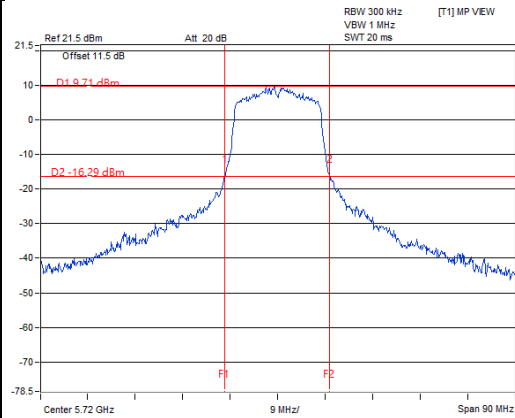
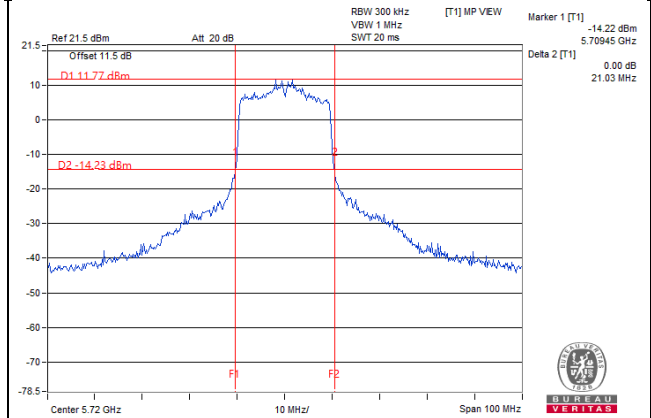


Spectrum Plot of Worst Value

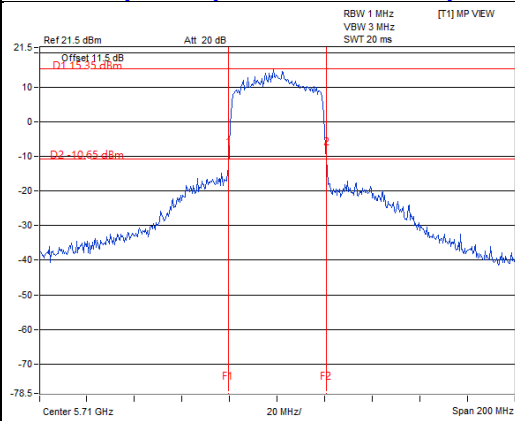
802.11a_Chain 0 / CH144 (U-NII-2C Band)



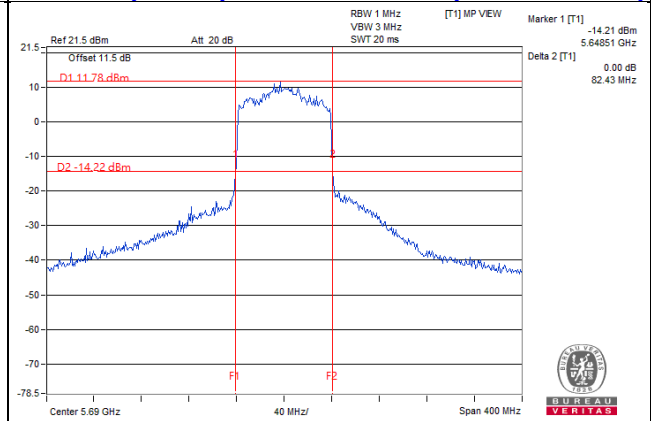
802.11ac (VHT20)_Chain 0 / CH144 (U-NII-2C Band)



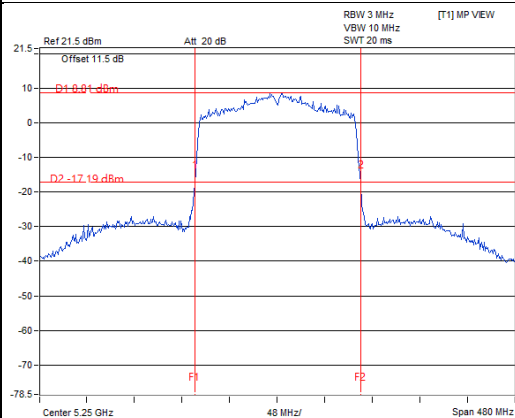
802.11ac (VHT40)_Chain 1 / CH142 (U-NII-2C Band)



802.11ac (VHT80)_Chain 0 / CH138 (U-NII-2C Band)

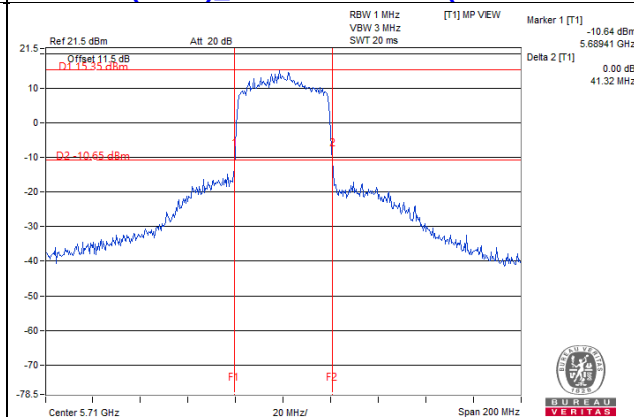
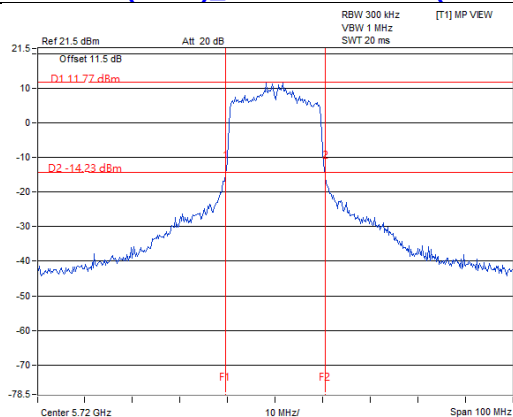


802.11ac (VHT160)_Chain 0 / CH50 (U-NII-2A Band)

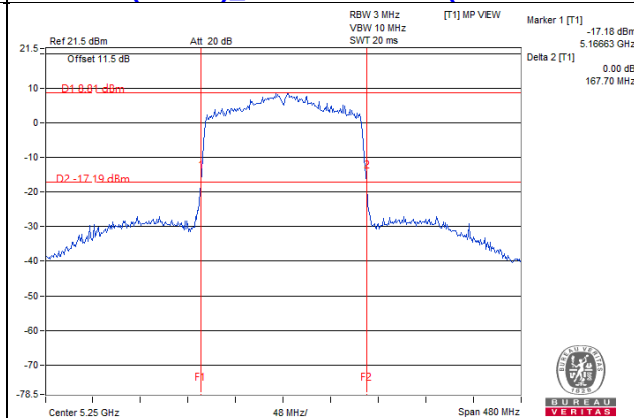
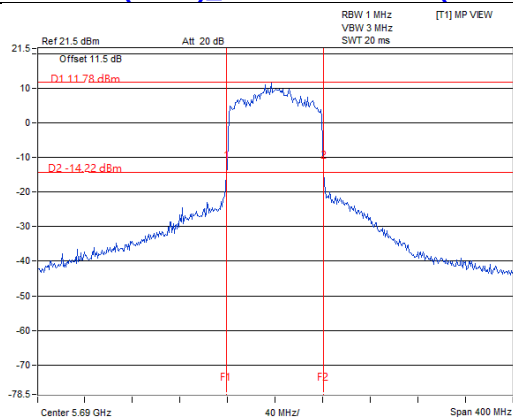


Spectrum Plot of Worst Value

802.11ax (HE20)_ Chain 0 / CH144 (U-NII-2C Band) 802.11ax (HE40)_ Chain 1 / CH142 (U-NII-2C Band)

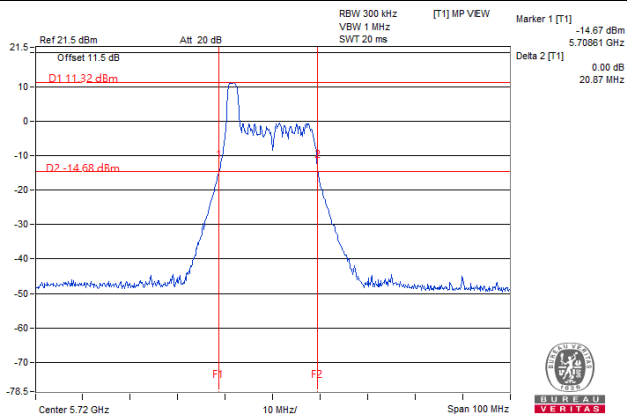


802.11ax (HE80)_ Chain 0 / CH138 (U-NII-2C Band) 802.11ax (HE160)_ Chain 0 / CH50 (U-NII-2A Band)

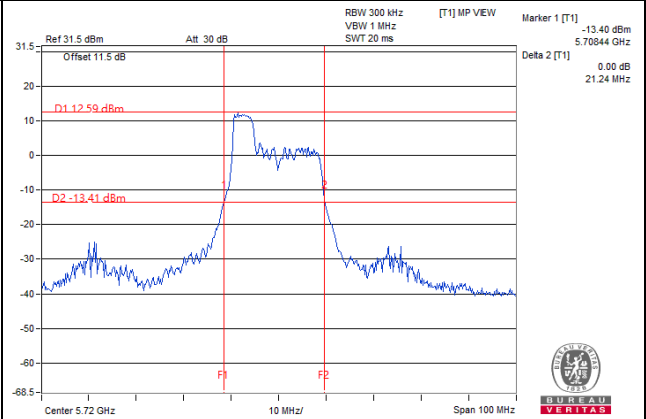


Spectrum Plot of Worst Value

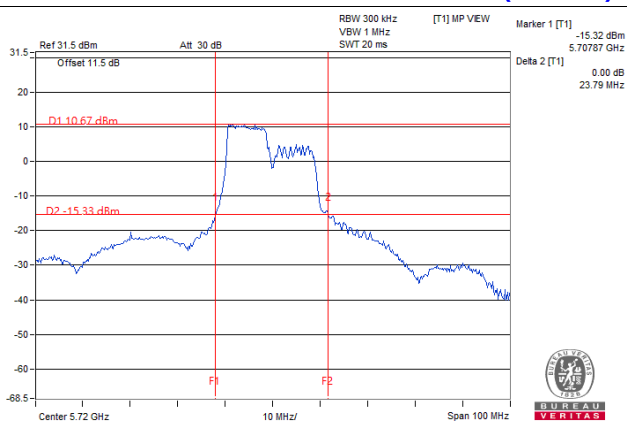
20MHz Preamble_RU26_Chain 1 / CH144 (U-NII-2C)



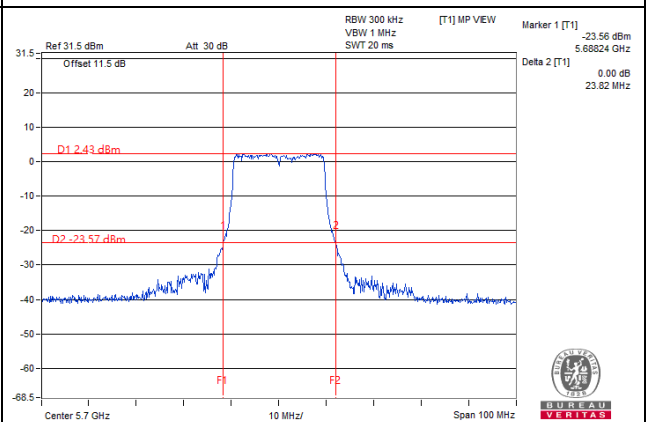
20MHz Preamble_RU52_Chain 0 / CH144 (U-NII-2C)



20MHz Preamble_RU106_Chain 0 / CH144 (U-NII-2C)

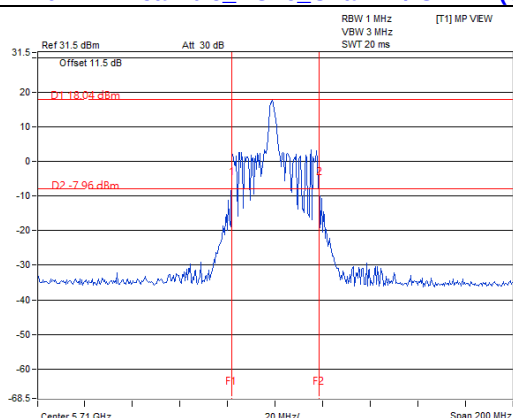


20MHz Preamble_RU242_Chain 1 / CH140

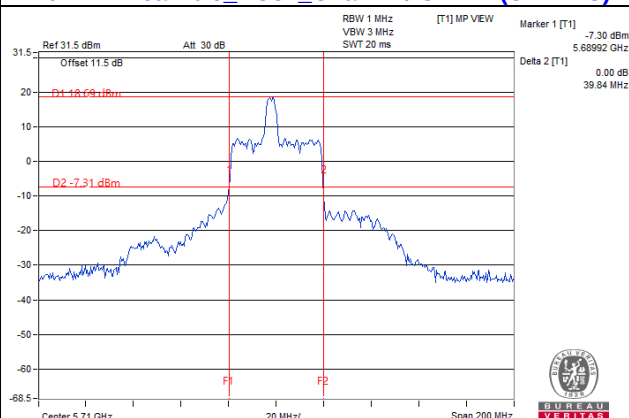


Spectrum Plot of Worst Value

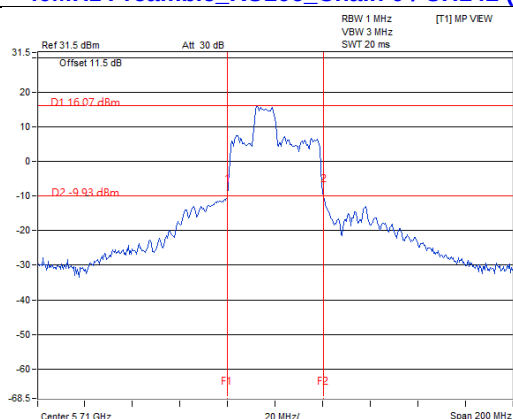
40MHz Preamble_RU26_Chain 1 / CH142 (U-NII-2C)



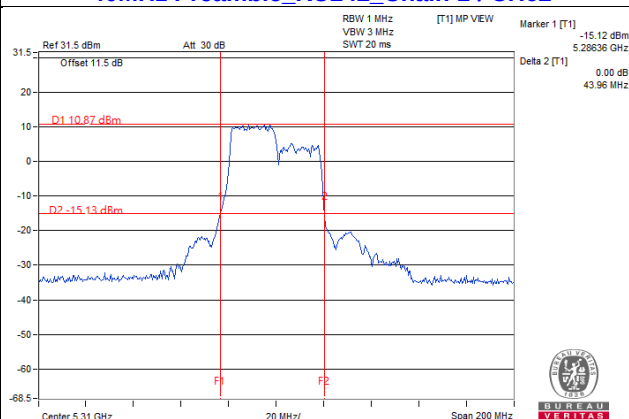
40MHz Preamble_RU52_Chain 1 / CH142 (U-NII-2C)



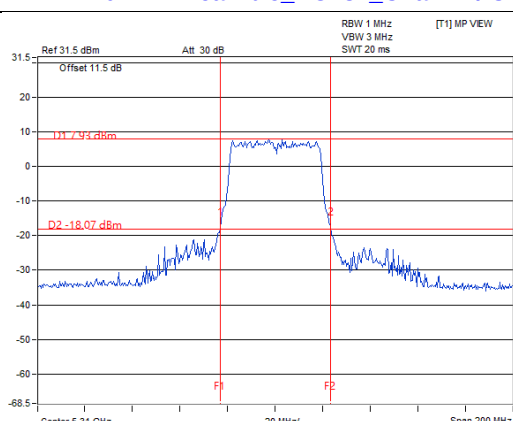
40MHz Preamble_RU106_Chain 0 / CH142 (U-NII-2C)



40MHz Preamble_RU242_Chain 1 / CH62

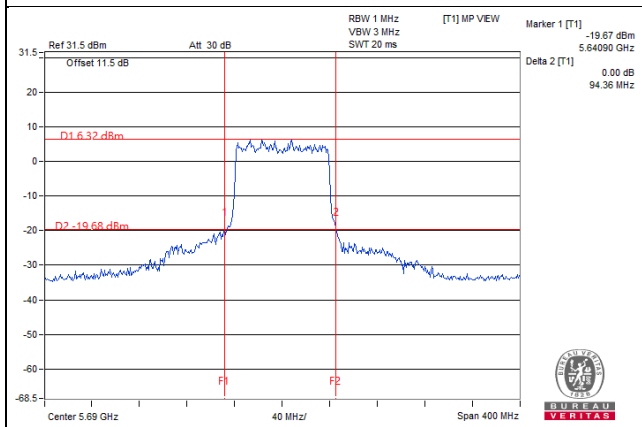


40MHz Preamble_RU484_Chain 1 / CH62

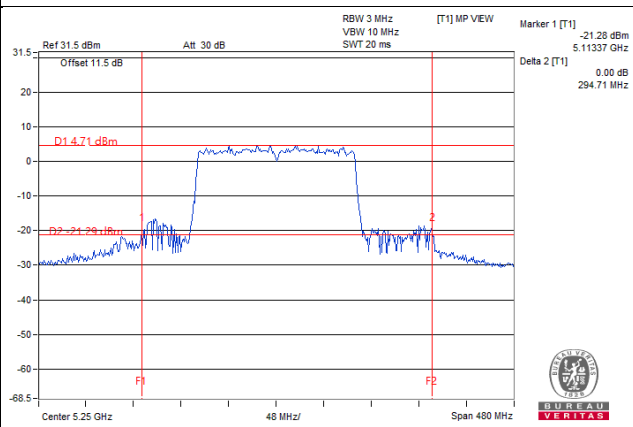


Spectrum Plot of Worst Value

80MHz Preamble_RU996_Chain 0 / CH138 (U-NII-2C)



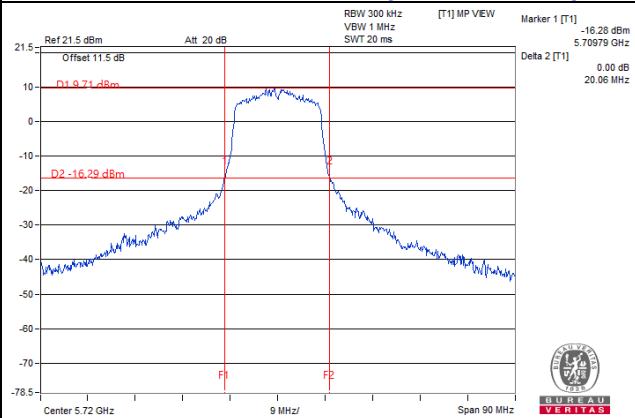
160MHz Preamble_RU996_Chain 0 / CH50 (U-NII-2A)



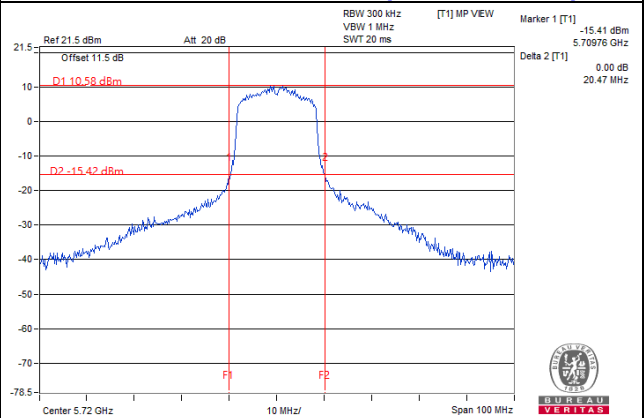
For 26dB channel straddling 5725MHz

Spectrum Plot Value of channel straddling 5725MHz

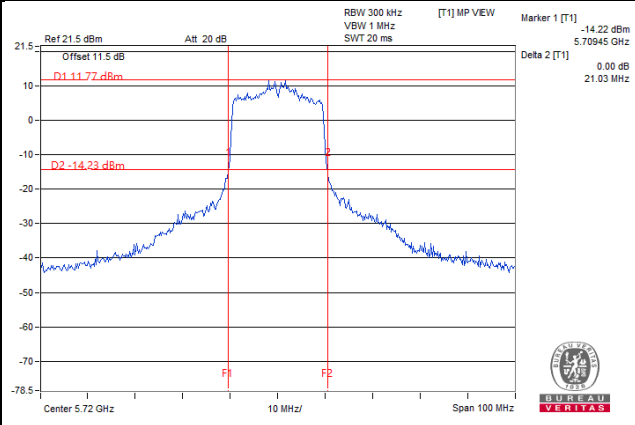
802.11a / Chain0 : CH144 (U-NII-2C Band)



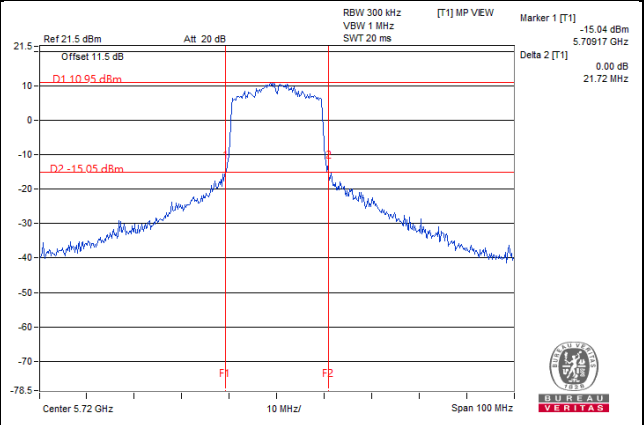
802.11a / Chain1 : CH144 (U-NII-2C Band)



802.11ac (VHT20) / Chain0 : CH144 (U-NII-2C Band)

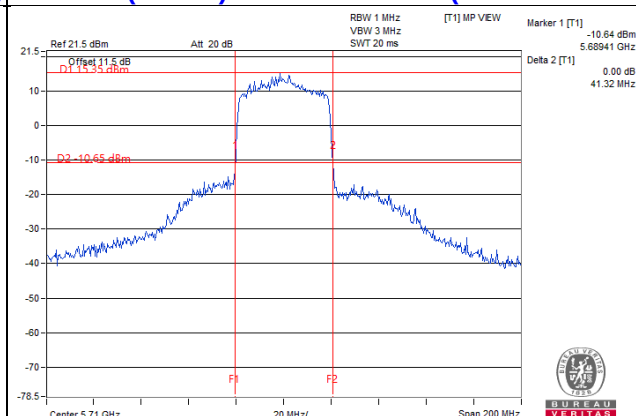
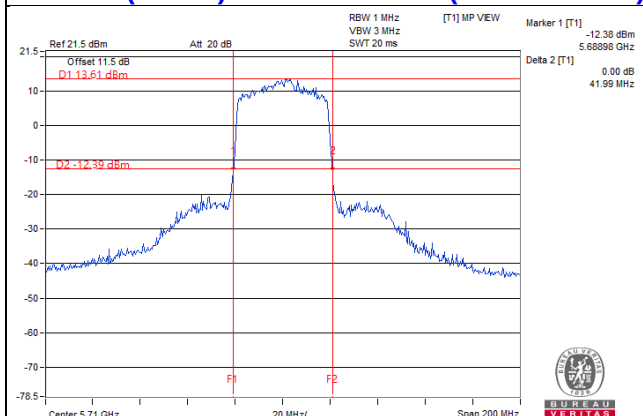


802.11ac (VHT20) / Chain1 : CH144 (U-NII-2C Band)

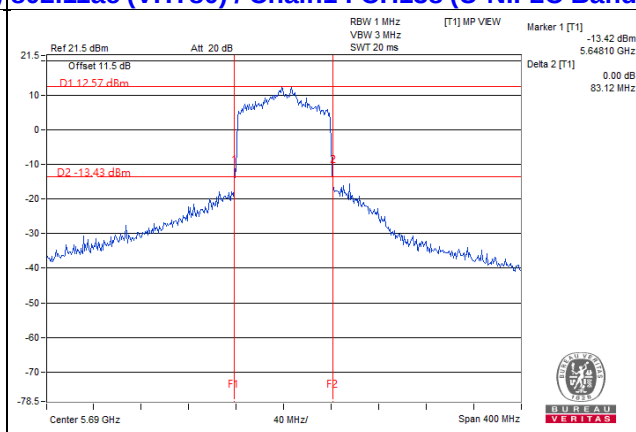
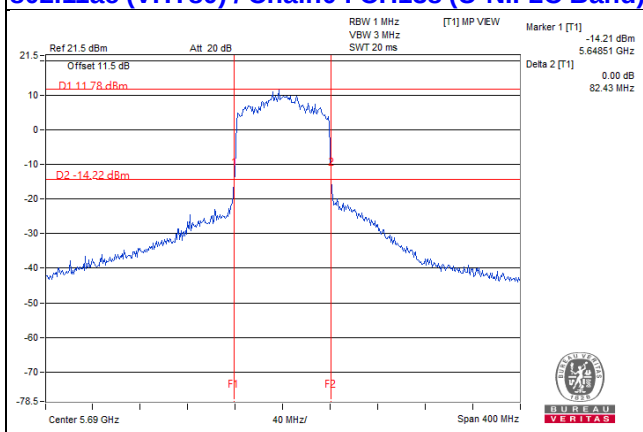


Spectrum Plot Value of channel straddling 5725MHz

802.11ac (VHT40) / Chain0 : CH142 (U-NII-2C Band) **802.11ac (VHT40) / Chain1 : CH142 (U-NII-2C Band)**

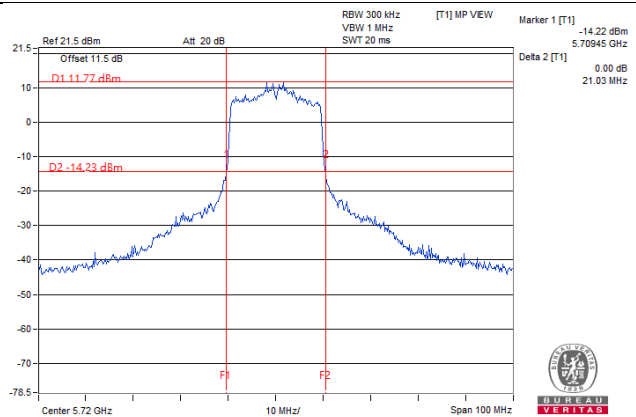


802.11ac (VHT80) / Chain0 : CH138 (U-NII-2C Band) **802.11ac (VHT80) / Chain1 : CH138 (U-NII-2C Band)**

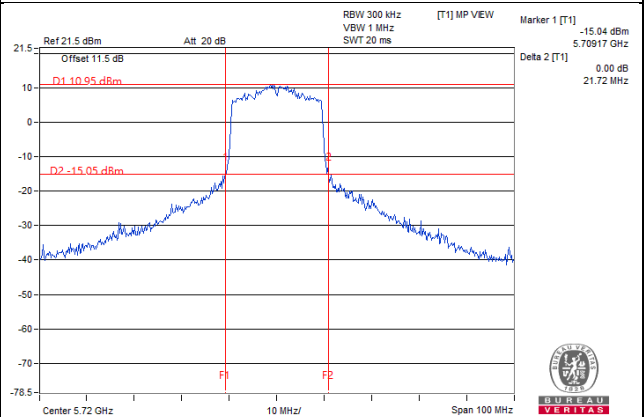


Spectrum Plot Value of channel straddling 5725MHz

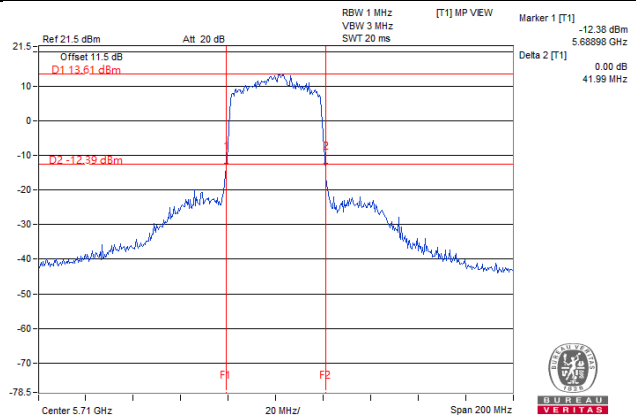
802.11ax (HE20) / Chain0 : CH144 (U-NII-2C Band)



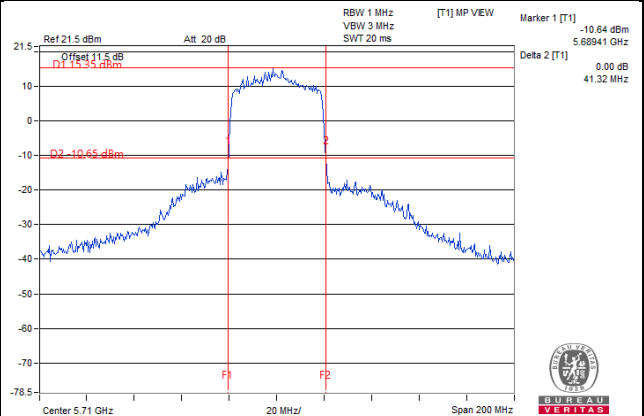
802.11ax (HE20) / Chain1 : CH144 (U-NII-2C Band)



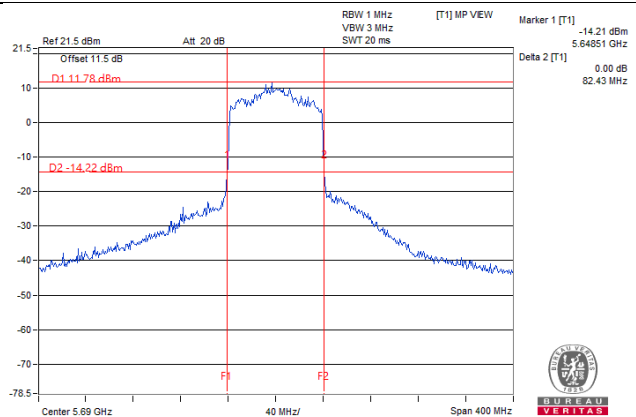
802.11ax (HE40) / Chain0 : CH142 (U-NII-2C Band)



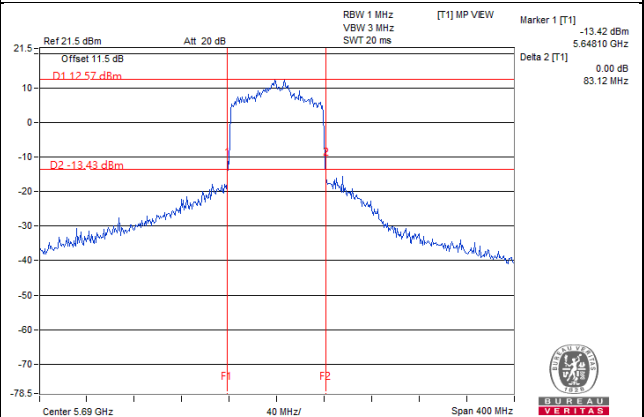
802.11ax (HE40) / Chain1 : CH142 (U-NII-2C Band)



802.11ax (HE80) / Chain0 : CH138 (U-NII-2C Band)



802.11ax (HE80) / Chain1 : CH138 (U-NII-2C Band)



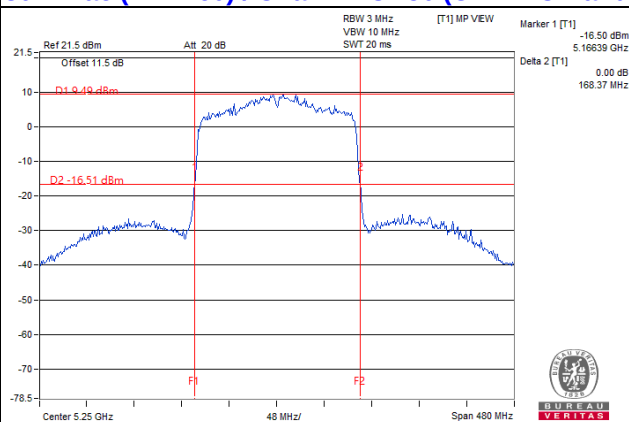
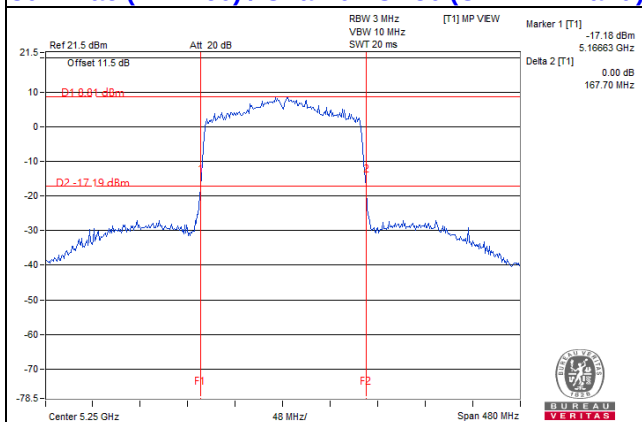
Note:

- For CH144 (U-NII-2C) = 5725MHz - Temp 1
- For CH142 (U-NII-2C) = 5725MHz - Temp 1
- For CH138 (U-NII-2C) = 5725MHz - Temp 1

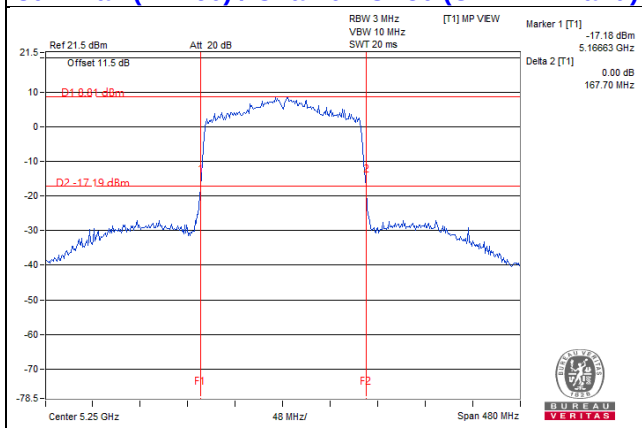
For 26dB channel straddling 5250MHz

Spectrum Plot Value of channel straddling 5250MHz

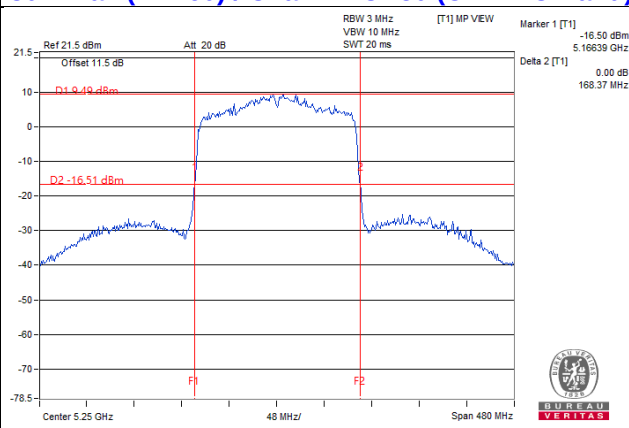
802.11ac (VHT160) / Chain0 : CH50 (U-NII-2A Band) **802.11ac (VHT160) / Chain1 : CH50 (U-NII-2C Band)**



802.11ax (HE160) / Chain0 : CH50 (U-NII-2A Band)



802.11ax (HE160) / Chain1 : CH50 (U-NII-2C Band)



Note:

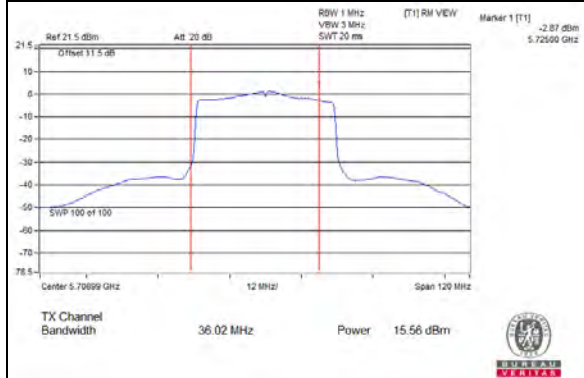
For CH50 (U-NII-2A) = 5250MHz - Marker 1

For channel straddling 5725MHz & 5250MHz of Power

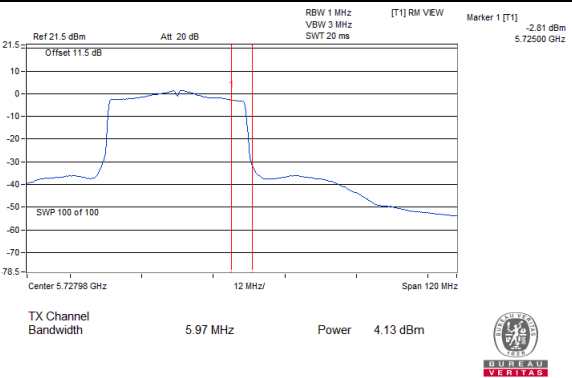


Spectrum Plot Value of Power

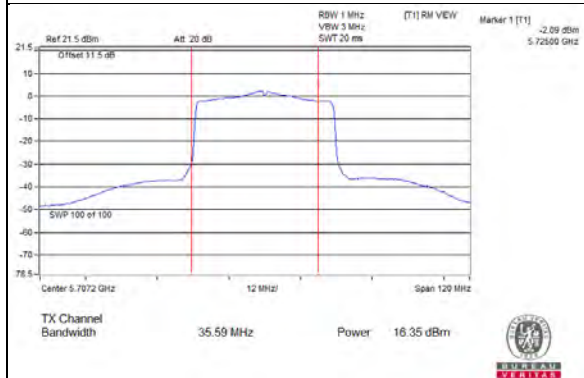
802.11ac (VHT40)_Chain 0 / CH142 (U-NII-2C Band)



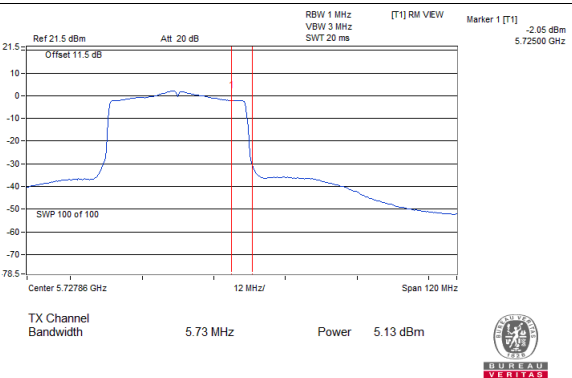
802.11ac (VHT40)_Chain 0 / CH142 (U-NII-3 Band)



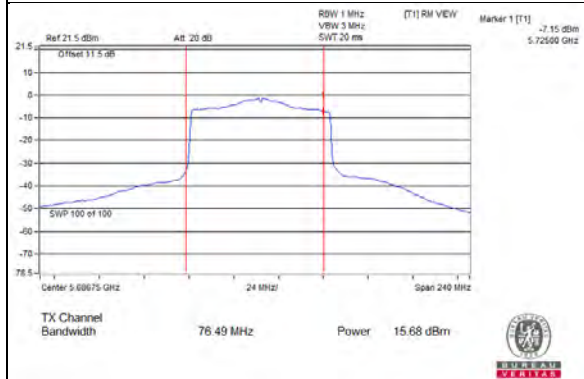
802.11ac (VHT40)_Chain 1 / CH142 (U-NII-2C Band)



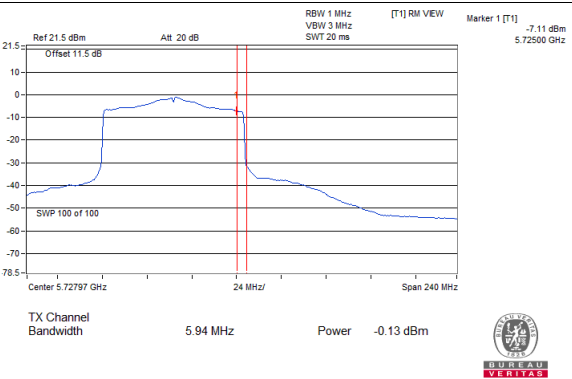
802.11ac (VHT40)_Chain 1 / CH142 (U-NII-3 Band)



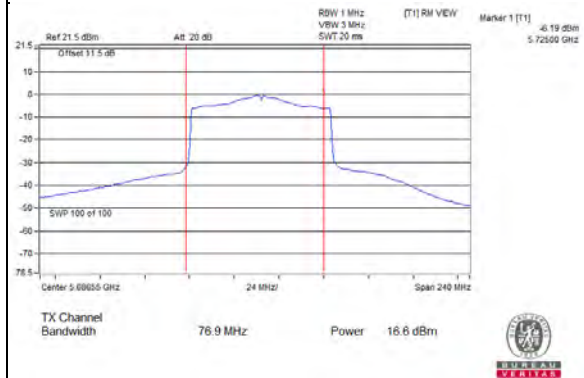
802.11ac (VHT80)_Chain 0 / CH138 (U-NII-2C Band)



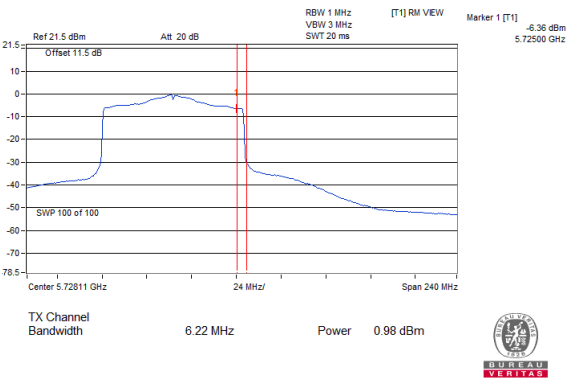
802.11ac (VHT80)_Chain 0 / CH138 (U-NII-3 Band)

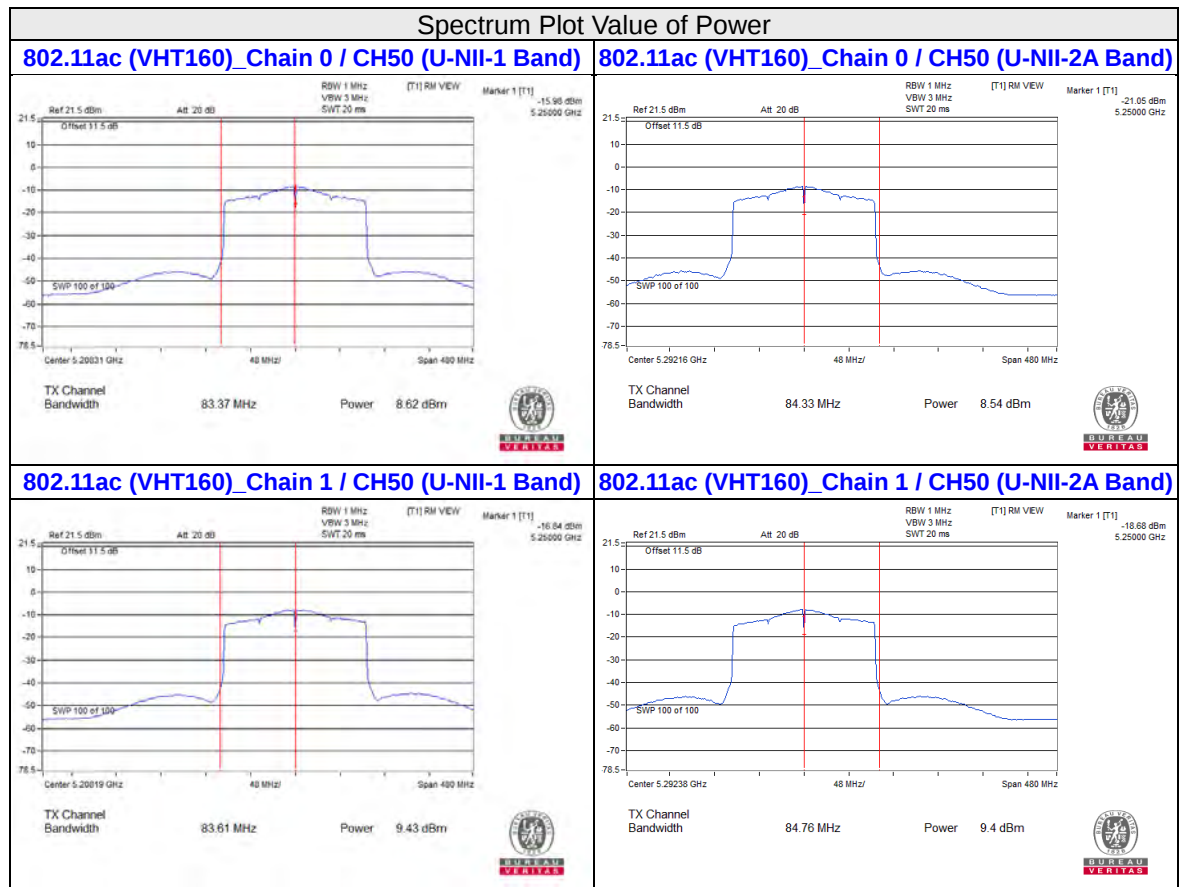


802.11ac (VHT80)_Chain 1 / CH138 (U-NII-2C Band)



802.11ac (VHT80)_Chain 1 / CH138 (U-NII-3 Band)



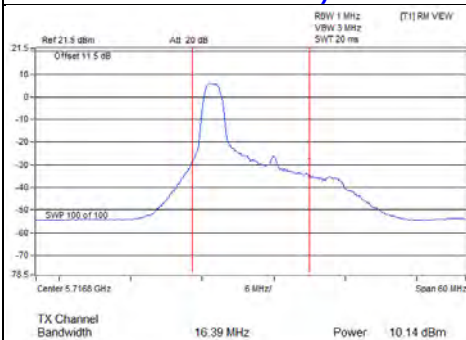




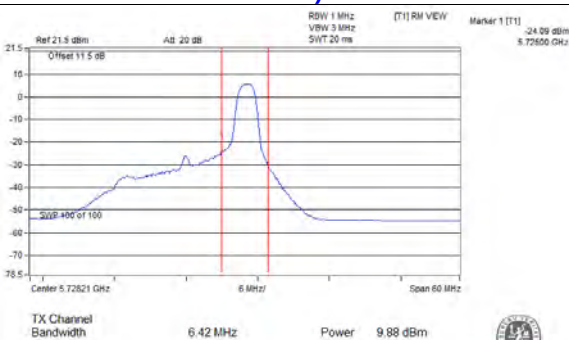


Spectrum Plot Value of Power

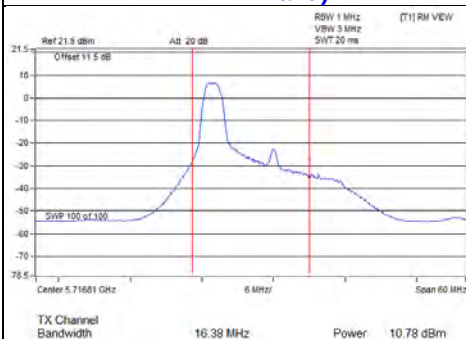
20MHz Preamble_RU26_Chain 0 / CH144 (U-NII-2C Band)



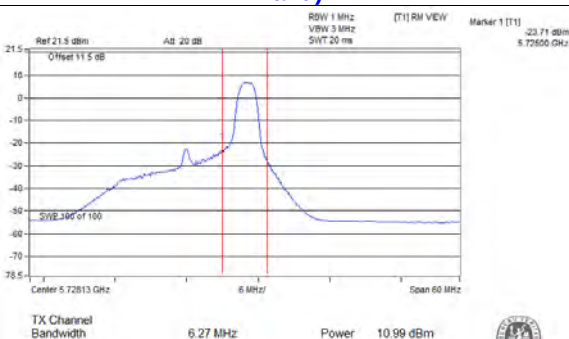
20MHz Preamble_RU26_Chain 0 / CH144 (U-NII-3 Band)



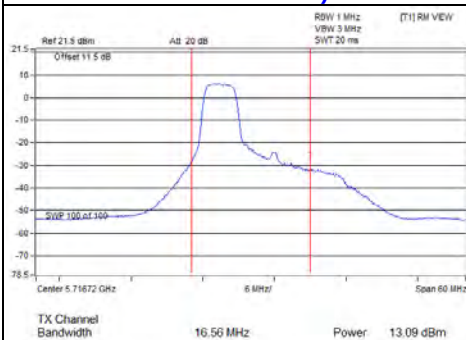
20MHz Preamble_RU26_Chain 1 / CH144 (U-NII-2C Band)



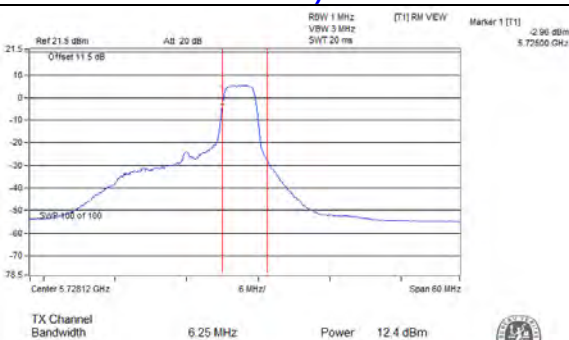
20MHz Preamble_RU26_Chain 1 / CH144 (U-NII-3 Band)



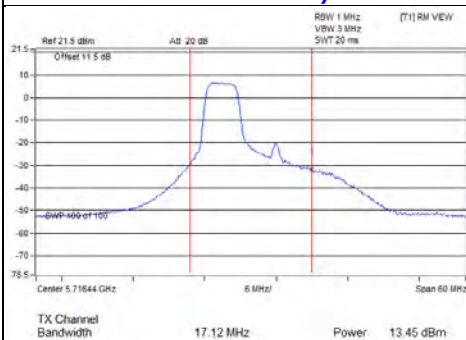
20MHz Preamble_RU52_Chain 0 / CH144 (U-NII-2C Band)



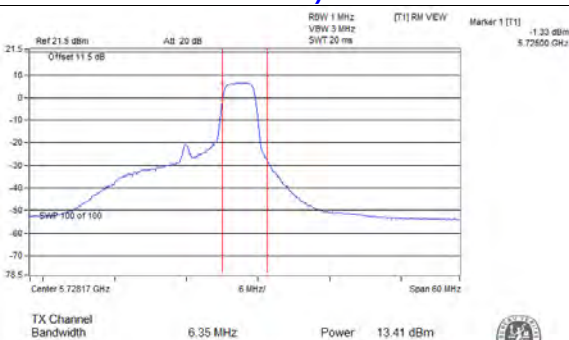
20MHz Preamble_RU52_Chain 0 / CH144 (U-NII-3 Band)



20MHz Preamble_RU52_Chain 1 / CH144 (U-NII-2C Band)

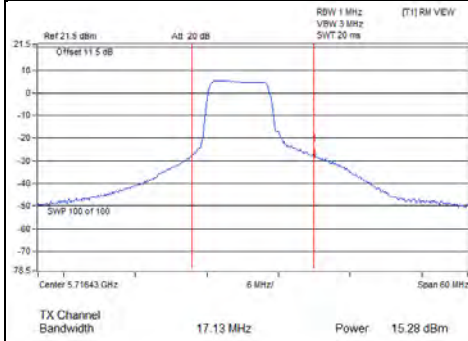


20MHz Preamble_RU52_Chain 1 / CH144 (U-NII-3 Band)

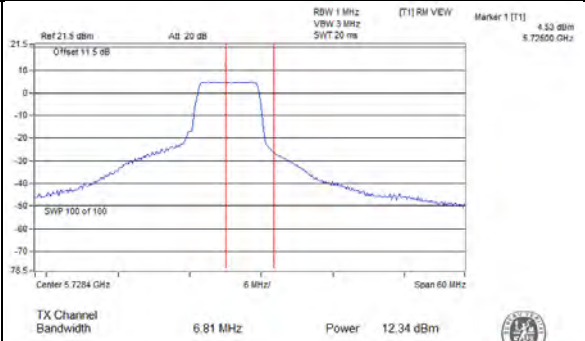


Spectrum Plot Value of Power

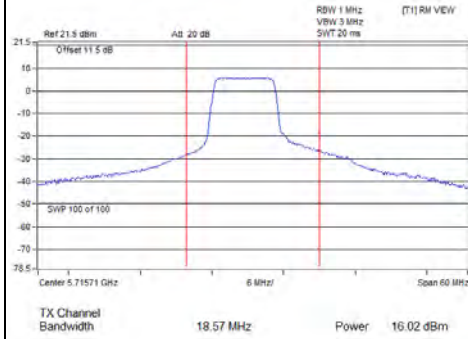
**20MHz Preamble_RU106_Chain 0 / CH144
(U-NII-2C Band)**



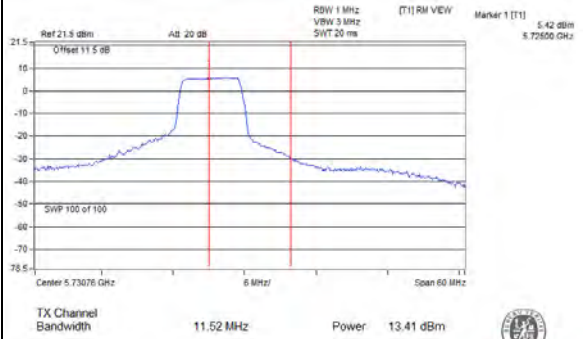
20MHz Preamble_RU106_Chain 0 / CH144 (U-NII-3 Band)



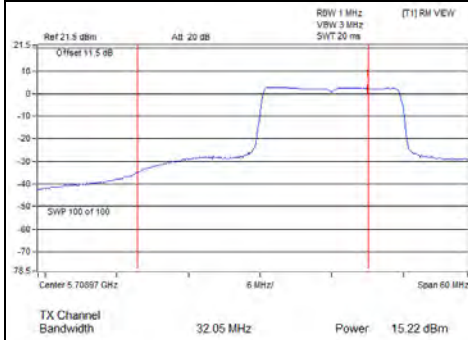
**20MHz Preamble_RU106_Chain 1 / CH144
(U-NII-2C Band)**



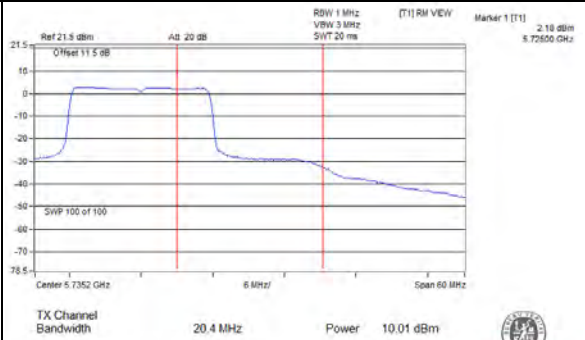
20MHz Preamble_RU106_Chain 1 / CH144 (U-NII-3 Band)



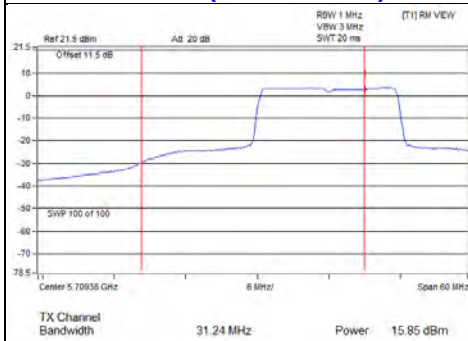
**20MHz Preamble_RU242_Chain 0 / CH144
(U-NII-2C Band)**



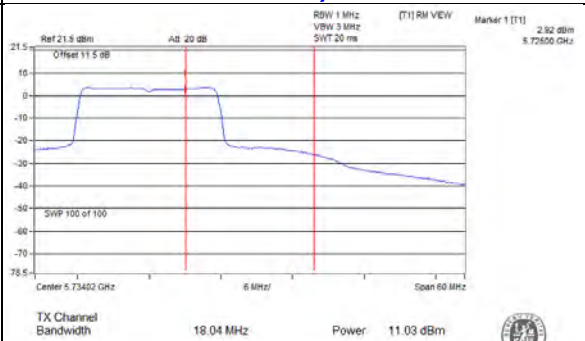
20MHz Preamble_RU242_Chain 0 / CH144 (U-NII-3 Band)



**20MHz Preamble_RU242_Chain 1 / CH144
(U-NII-2C Band)**

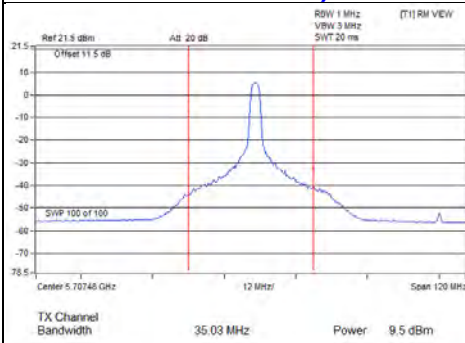


20MHz Preamble_RU242_Chain 1 / CH144 (U-NII-3 Band)

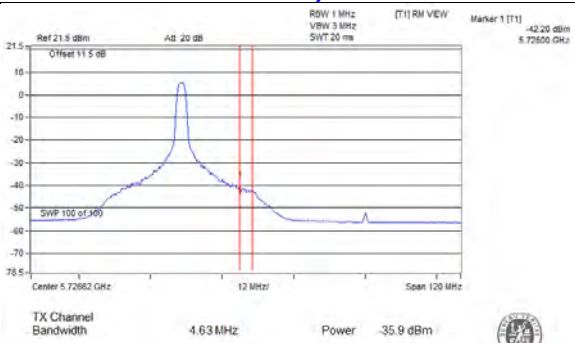


Spectrum Plot Value of Power

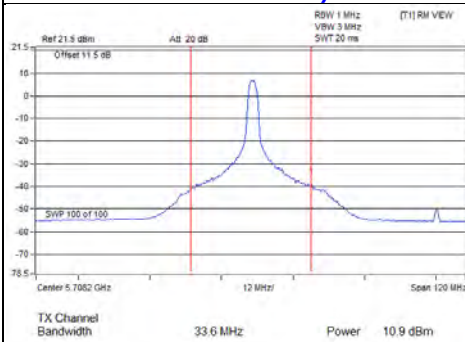
40MHz Preamble_RU26_Chain 0 / CH142 (U-NII-2C Band)



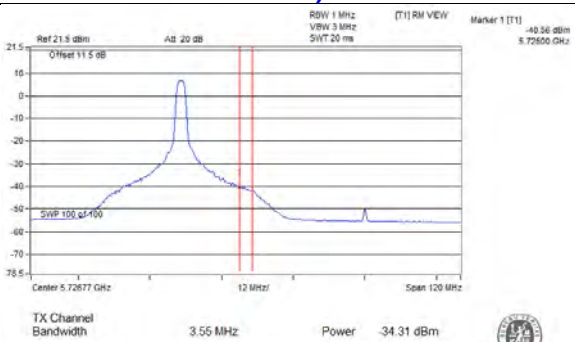
40MHz Preamble_RU26_Chain 0 / CH142 (U-NII-3 Band)



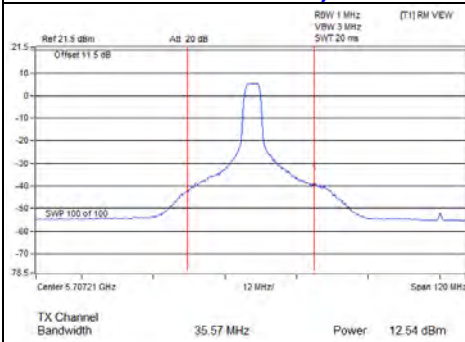
40MHz Preamble_RU26_Chain 1 / CH142 (U-NII-2C Band)



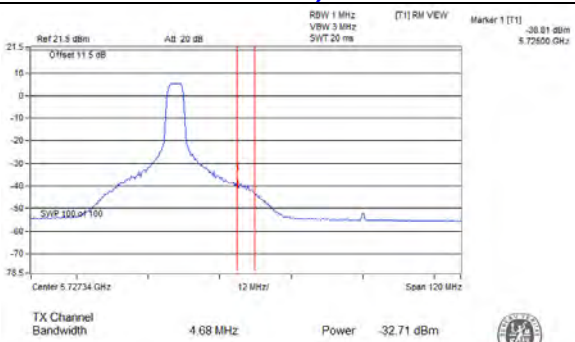
40MHz Preamble_RU26_Chain 1 / CH142 (U-NII-3 Band)



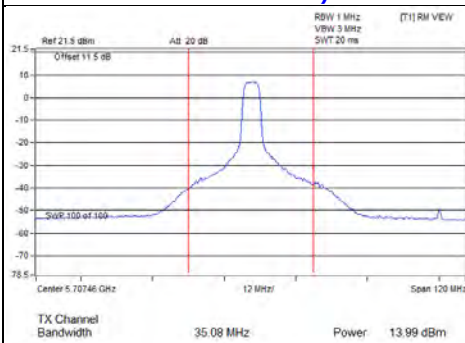
40MHz Preamble_RU52_Chain 0 / CH142 (U-NII-2C Band)



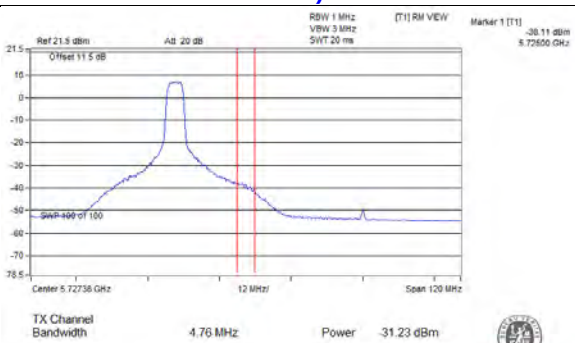
40MHz Preamble_RU52_Chain 0 / CH142 (U-NII-3 Band)



40MHz Preamble_RU52_Chain 1 / CH142 (U-NII-2C Band)

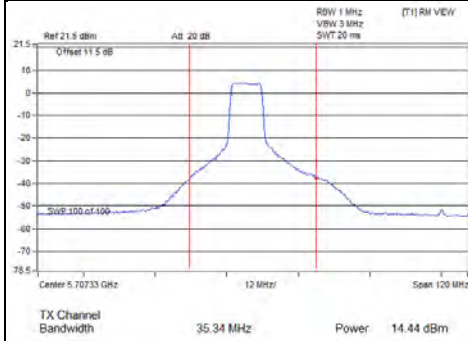


40MHz Preamble_RU52_Chain 1 / CH142 (U-NII-3 Band)

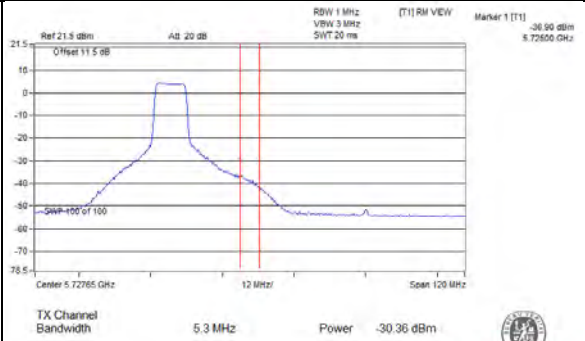


Spectrum Plot Value of Power

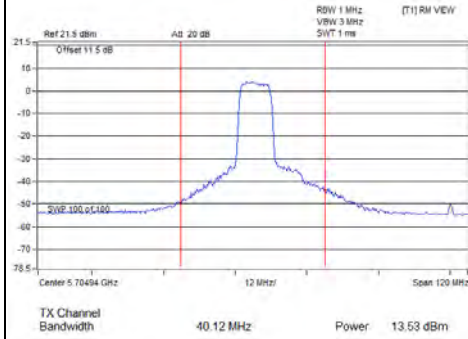
**40MHz Preamble_RU106_Chain 0 / CH142
(U-NII-2C Band)**



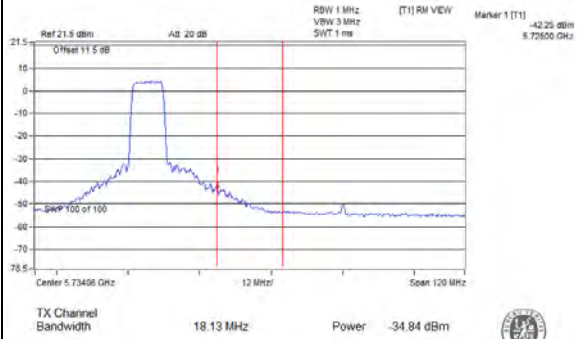
40MHz Preamble_RU106_Chain 0 / CH142 (U-NII-3 Band)



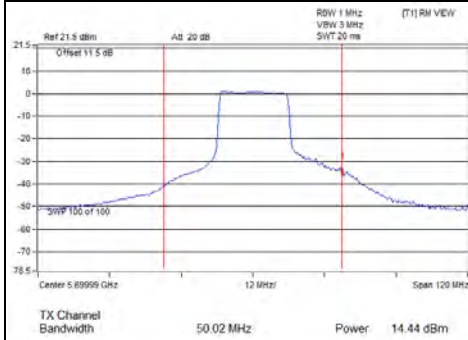
**40MHz Preamble_RU106_Chain 1 / CH142
(U-NII-2C Band)**



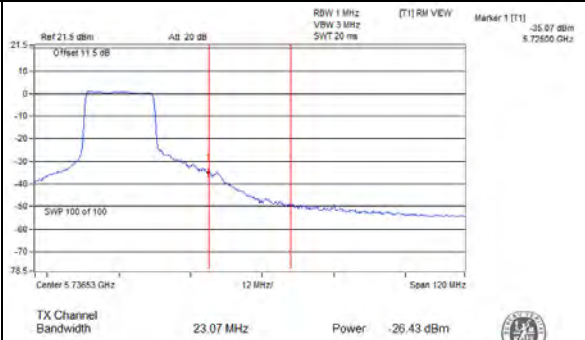
40MHz Preamble_RU106_Chain 1 / CH142 (U-NII-3 Band)



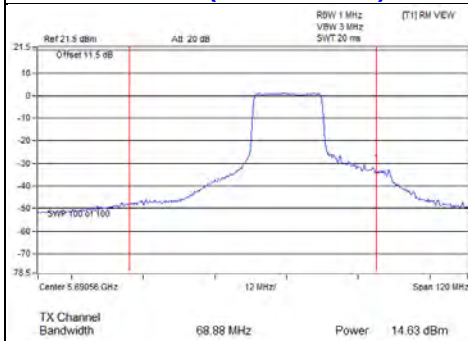
**40MHz Preamble_RU242_Chain 0 / CH142
(U-NII-2C Band)**



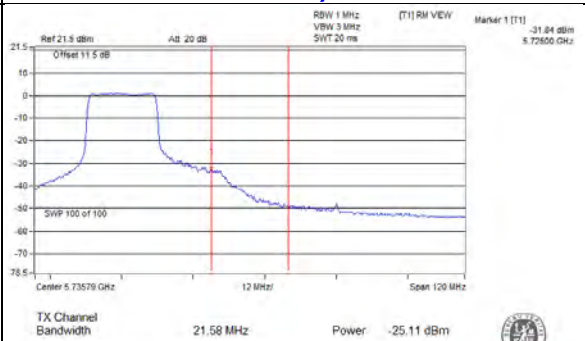
40MHz Preamble_RU242_Chain 0 / CH142 (U-NII-3 Band)



**40MHz Preamble_RU242_Chain 1 / CH142
(U-NII-2C Band)**

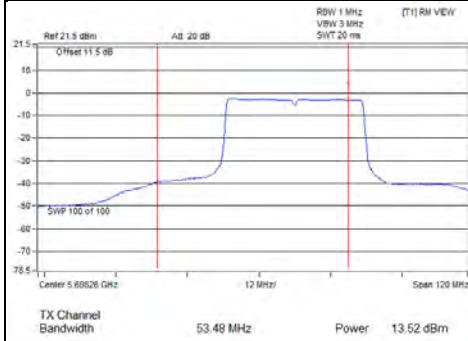


40MHz Preamble_RU242_Chain 1 / CH142 (U-NII-3 Band)

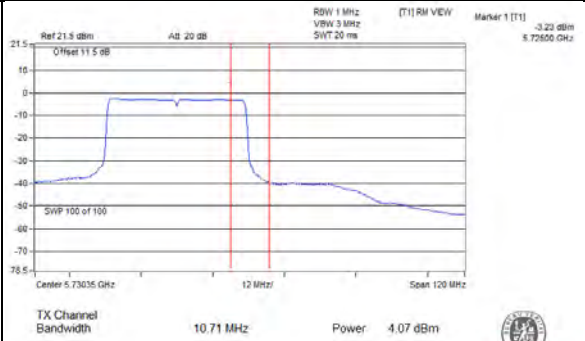


Spectrum Plot Value of Power

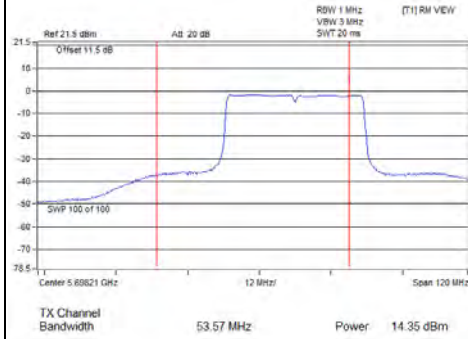
40MHz Preamble_RU484_Chain 0 / CH142 (U-NII-2C Band)



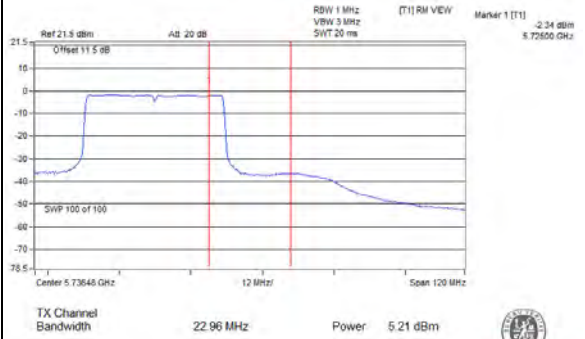
40MHz Preamble_RU484_Chain 0 / CH142 (U-NII-3 Band)

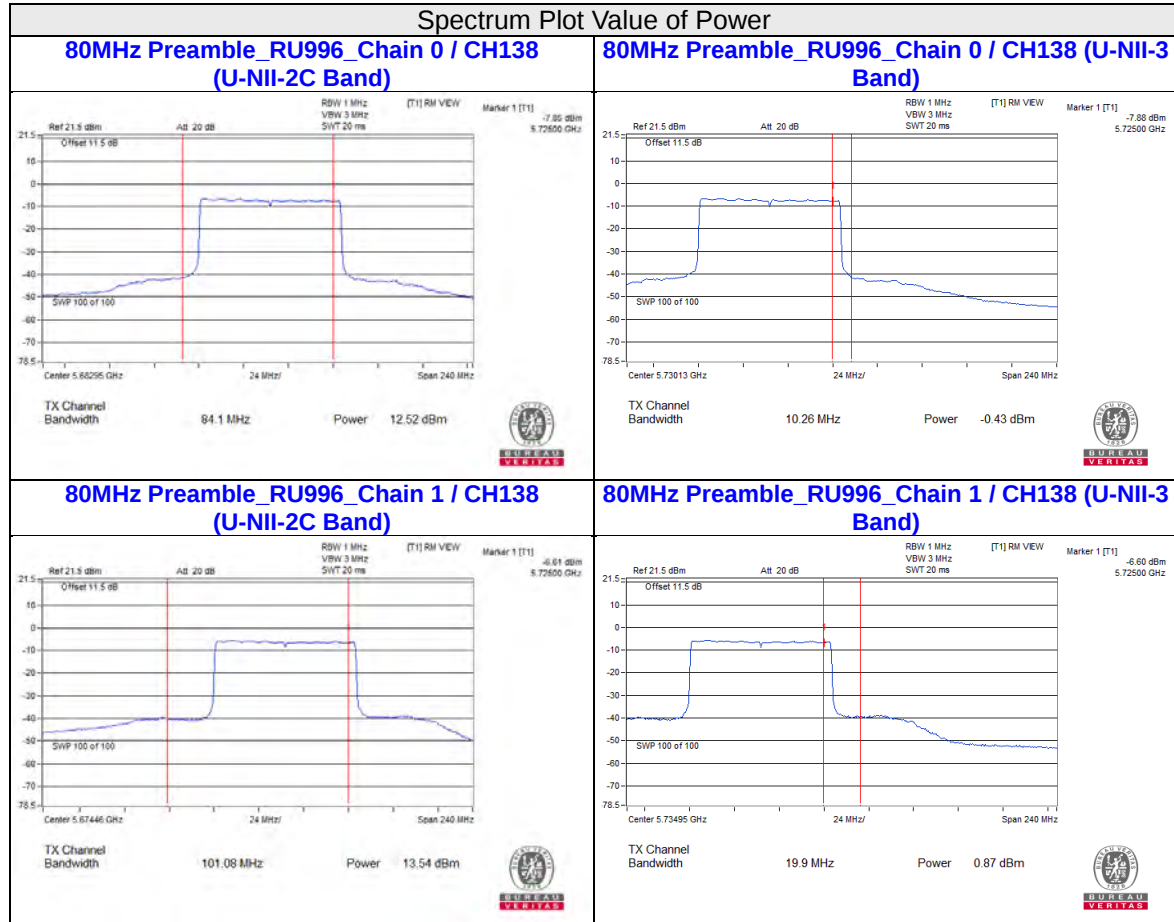


40MHz Preamble_RU484_Chain 1 / CH142 (U-NII-2C Band)



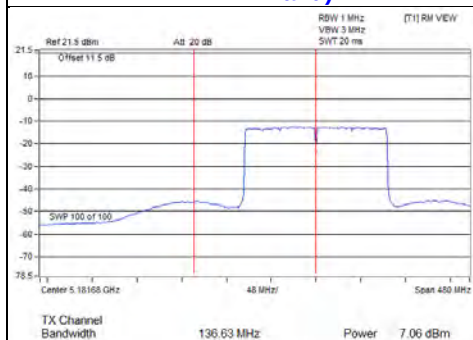
40MHz Preamble_RU484_Chain 1 / CH142 (U-NII-3 Band)



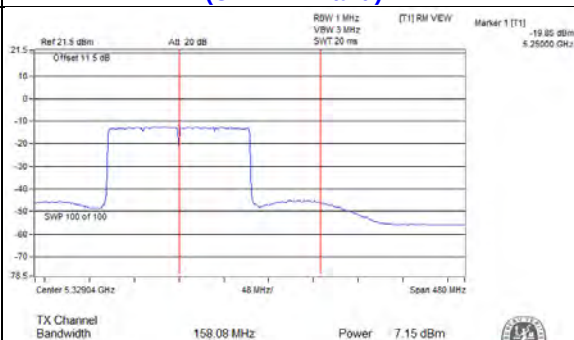


Spectrum Plot Value of Power

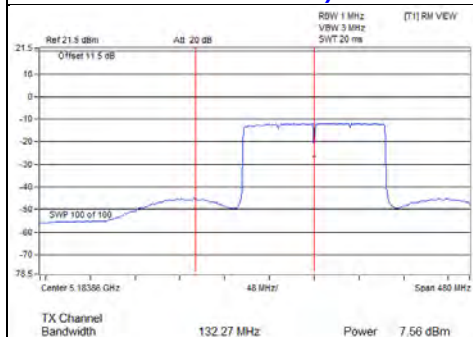
160MHz Preamble_RU1992_Chain 0 / CH50 (U-NII-1 Band)



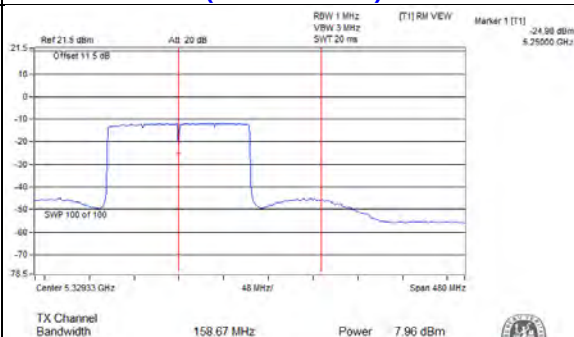
160MHz Preamble_RU1992_Chain 0 / CH50 (U-NII-2A Band)



160MHz Preamble_RU1992_Chain 1 / CH50 (U-NII-1 Band)

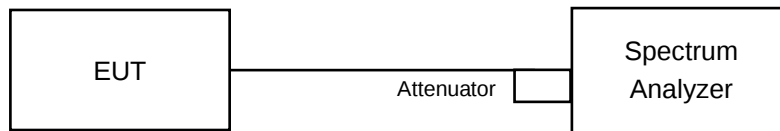


160MHz Preamble_RU1992_Chain 1 / CH50 (U-NII-2A Band)



4.4 Occupied Bandwidth Measurement

4.4.1 Test Setup



4.4.2 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.3 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to SAMPLE. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean power of a given emission.

4.4.4 Test Results

802.11a

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.44	16.44
40	5200	16.44	16.44
48	5240	16.44	16.44
52	5260	16.44	16.68
60	5300	16.44	16.56
64	5320	16.44	16.44
100	5500	16.44	16.44
116	5580	16.44	16.44
140	5700	16.44	16.44
144 (U-NII-2C Band)	5720	13.28	13.28
144 (U-NII-3 Band)	5720	3.16	3.16
149	5745	16.56	16.8
157	5785	16.56	16.92
165	5825	16.8	16.68

802.11ax (HE20)

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.84	18.84
40	5200	18.84	18.84
48	5240	18.84	18.84
52	5260	18.84	18.84
60	5300	18.84	18.84
64	5320	18.84	18.84
100	5500	18.96	18.84
116	5580	18.96	19.08
140	5700	18.96	18.84
144 (U-NII-2C Band)	5720	14.6	14.6
144 (U-NII-3 Band)	5720	4.36	4.36
149	5745	18.96	18.84
157	5785	18.96	18.84
165	5825	18.84	18.96

802.11ax (HE40)

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.68	37.92
46	5230	37.68	37.92
54	5270	38.16	37.68
62	5310	37.68	37.92
102	5510	37.92	37.92
110	5550	38.4	37.92
134	5670	37.68	37.92
142 (U-NII-2C Band)	5710	33.96	33.96
142 (U-NII-3 Band)	5710	3.72	3.96
151	5755	37.68	37.68
159	5795	37.68	37.68

802.11ax (HE80)

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	76.8
58	5290	76.8	76.8
106	5530	76.8	77.28
122	5610	77.28	77.28
138 (U-NII-2C Band)	5690	73.4	73.88
138 (U-NII-3 Band)	5690	3.4	3.4
155	5775	76.87	76.87

802.11ax (HE160)

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1 Band)	5250	77.76	77.76
50 (U-NII-2A Band)	5250	77.76	77.76
114	5570	154.56	154.56

20MHz Preamble

RU26

RU Configuration	Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
26/0	36	5180	18.52	18.43
26/0	40	5200	17.13	17.04
26/8	48	5240	18.52	18.61
26/0	52	5260	18.48	18.6
26/8	60	5300	17.22	17.04
26/8	64	5320	18.61	18.6
26/0	100	5500	18.43	18.6
26/0	116	5580	17.28	17.16
26/8	140	5700	18.6	18.6
26/0	144 (U-NII-2C Band)	5720	15.08	15.08
26/8	144 (U-NII-3 Band)	5720	4.96	4.96
26/0	149	5745	18.52	18.61
26/8	157	5785	17.48	17.39
26/8	165	5825	18.7	18.7

RU52

RU Configuration	Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
52/37	36	5180	18.35	18.26
52/37	40	5200	17.39	17.39
52/40	48	5240	18.52	18.44
52/37	52	5260	18.36	18.48
52/40	60	5300	17.28	17.16
52/40	64	5320	18.6	18.36
52/37	100	5500	18.36	18.48
52/37	116	5580	17.28	17.28
52/40	140	5700	18.48	18.24
52/37	144 (U-NII-2C Band)	5720	14.84	14.96
52/40	144 (U-NII-3 Band)	5720	4.72	4.72
52/37	149	5745	18.48	18.72
52/40	157	5785	17.52	17.76
52/40	165	5825	18.48	18.53

RU106

RU Configuration	Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
106/53	36	5180	18.44	18.35
106/53	40	5200	18.44	18.7
106/54	48	5240	18.52	18.52
106/53	52	5260	18.6	18.72
106/54	60	5300	18.6	18.96
106/54	64	5320	18.48	18.36
106/53	100	5500	18.48	18.36
106/53	116	5580	18.6	19.08
106/54	140	5700	18.48	18.35
106/53	144 (U-NII-2C Band)	5720	14.96	14.84
106/54	144 (U-NII-3 Band)	5720	4.72	5.08
106/53	149	5745	18.48	18.48
106/54	157	5785	18.6	18.84
106/54	165	5825	18.48	18.48

RU242

RU Configuration	Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
242/61	36	5180	19.22	19.22
	40	5200	19.22	19.3
	48	5240	19.4	19.48
	52	5260	19.44	19.56
	60	5300	19.32	19.32
	64	5320	19.2	19.32
	100	5500	19.2	19.2
	116	5580	19.32	20.28
	140	5700	19.2	19.14
	144 (U-NII-2C Band)	5720	14.84	16.52
	144 (U-NII-3 Band)	5720	4.72	6.16
	149	5745	19.48	23.22
	157	5785	19.44	23.52
	165	5825	19.83	22

40MHz Preamble

RU26

RU Configuration	Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
26/9	38	5190	37.04	36.52
26/27	46	5230	36.69	36.17
26/9	54	5270	36.69	36.7
26/27	62	5310	36.52	36.52
26/9	102	5510	36.87	36.17
26/27	110	5550	37.04	36.52
26/9	134	5670	37.39	36.87
26/27	142 (U-NII-2C Band)	5710	33.48	33.48
26/27	142 (U-NII-3 Band)	5710	3.24	3
26/9	151	5755	36.7	36.69
26/27	159	5795	36.72	36.96

RU52

RU Configuration	Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
52/41	38	5190	36.35	36.69
52/48	46	5230	37.04	37.04
52/41	54	5270	36.96	36.72
52/48	62	5310	36.72	36.72
52/41	102	5510	36.72	36.52
52/48	110	5550	37.2	37.04
52/41	134	5670	36.48	36.48
52/48	142 (U-NII-2C Band)	5710	33.72	33.72
52/48	142 (U-NII-3 Band)	5710	3.24	3.48
52/41	151	5755	36.7	37.04
52/48	159	5795	36.96	37.68

RU106

RU Configuration	Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
106/55	38	5190	37.04	37.57
106/58	46	5230	37.22	37.21
106/55	54	5270	37.2	36.96
106/58	62	5310	36.96	36.72
106/55	102	5510	36.96	36.96
106/58	110	5550	36.72	37.2
106/55	134	5670	36.96	36.96
106/58	142 (U-NII-2C Band)	5710	33.72	34.2
106/58	142 (U-NII-3 Band)	5710	3.48	3.72
106/55	151	5755	37.04	37.91
106/58	159	5795	37.04	44.87

RU242

RU Configuration	Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
242/62	38	5190	38.88	38.88
242/63	46	5230	39.12	38.88
242/62	54	5270	40.08	38.64
242/63	62	5310	37.92	37.92
242/62	102	5510	38.16	37.92
242/63	110	5550	37.92	38.16
242/62	134	5670	38.16	38.16
242/63	142 (U-NII-2C Band)	5710	34.92	38.04
242/63	142 (U-NII-3 Band)	5710	3.72	7.56
242/62	151	5755	38.64	54.96
242/63	159	5795	38.64	58.56

RU484

RU Configuration	Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
484/65	38	5190	39.6	39.36
	46	5230	38.64	38.64
	54	5270	38.88	38.64
	62	5310	38.64	38.64
	102	5510	38.64	38.64
	110	5550	38.64	39.12
	134	5670	38.64	38.64
	142 (U-NII-2C Band)	5710	34.68	34.68
	142 (U-NII-3 Band)	5710	4.2	4.44
	151	5755	38.64	39.36
	159	5795	38.64	39.36

80MHz Preamble

RU996

RU Configuration	Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
996/67	42	5210	79.2	79.68
	58	5290	77.76	78.24
	106	5530	79.2	78.24
	122	5610	78.24	78.24
	138 (U-NII-2C Band)	5690	74.36	74.84
	138 (U-NII-3 Band)	5690	3.88	3.88
	155	5775	78.24	80.69

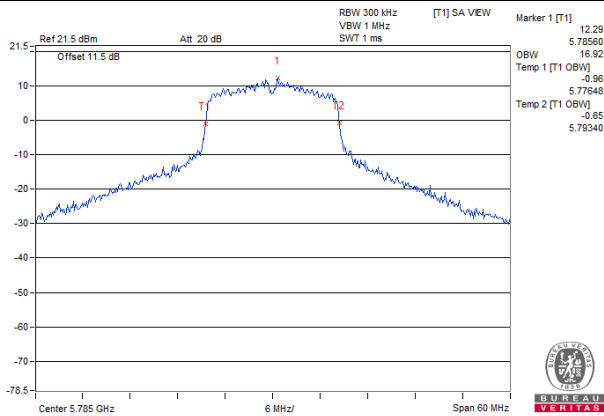
160MHz Preamble

RU1992

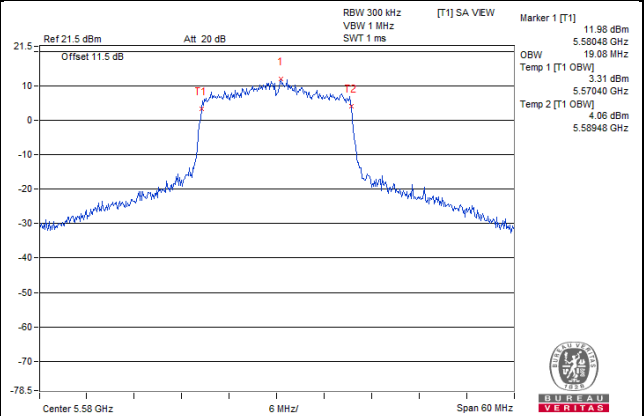
RU Configuration	Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
			Chain 0	Chain 1
1992/68	50 (U-NII-1 Band)	5250	79.68	78.72
	50 (U-NII-2A Band)	5250	78.72	78.72
	114	5570	158.4	158.4

Spectrum Plot of Max. Value

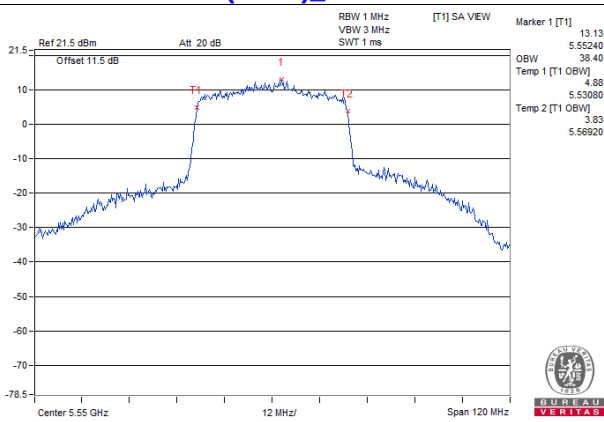
802.11a_Chain 1 / CH157



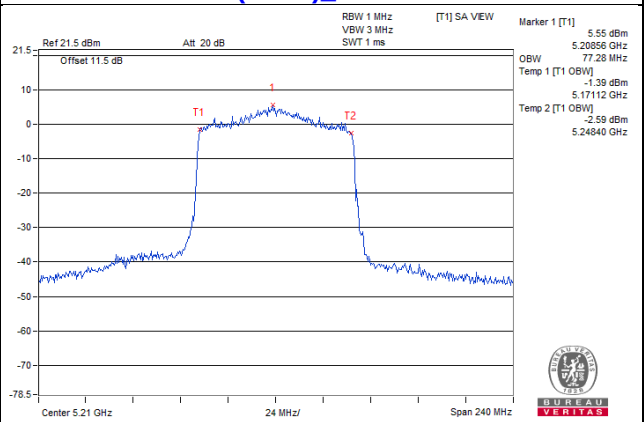
802.11ax (HE20)_Chain 1 / CH116



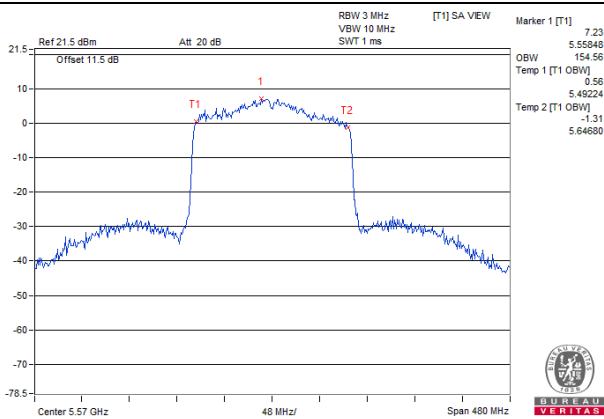
802.11ax (HE40)_Chain 0 / CH110



802.11ax (HE80)_Chain 0 / CH42

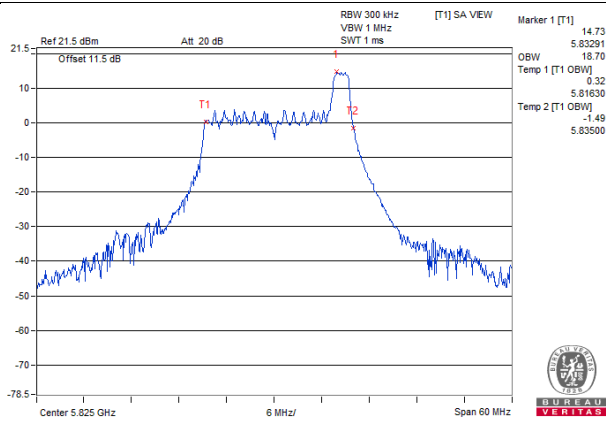


802.11ax (HE160)_Chain 0 / CH114

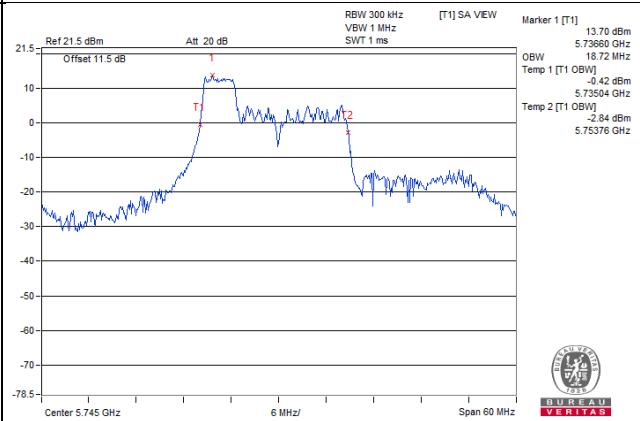


Spectrum Plot of Max. Value

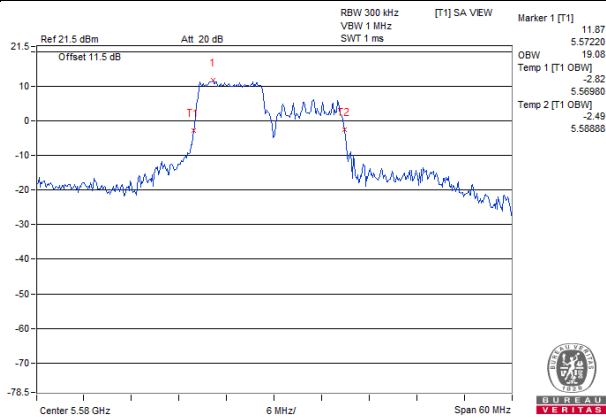
20MHz Preamble_RU26_Chain 0 / CH165



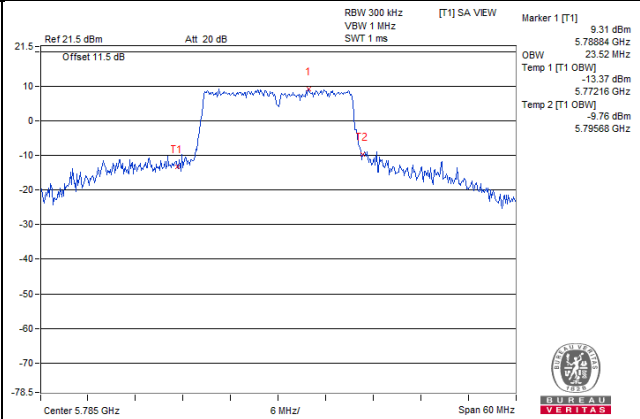
20MHz Preamble_RU52_Chain 1 / CH149



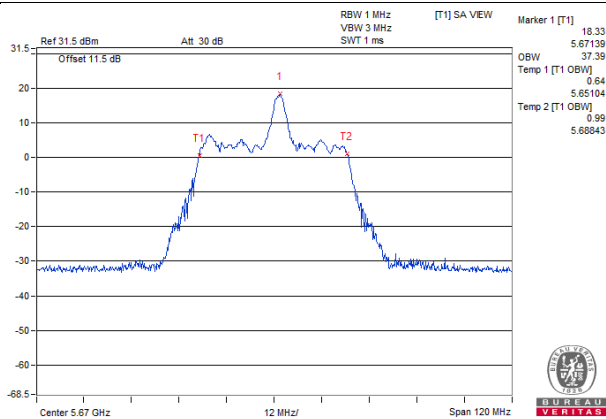
20MHz Preamble_RU106_Chain 1 / CH116



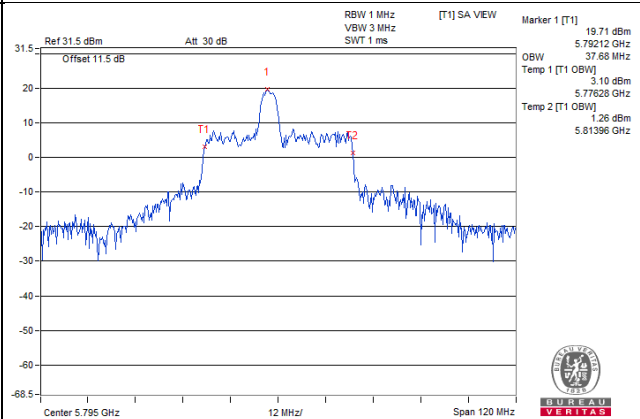
20MHz Preamble_RU242_Chain 1 / CH157



40MHz Preamble_RU26_Chain 0 / CH134

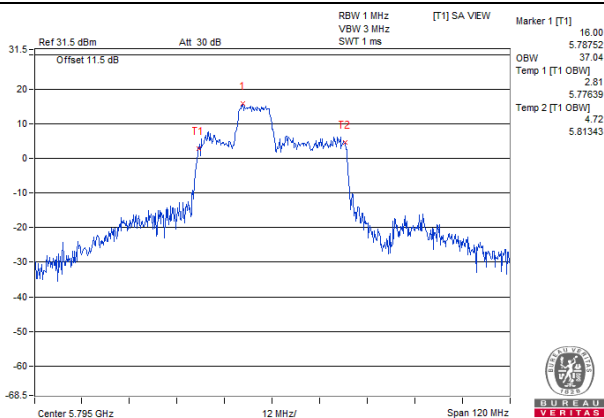


40MHz Preamble_RU52_Chain 1 / CH159

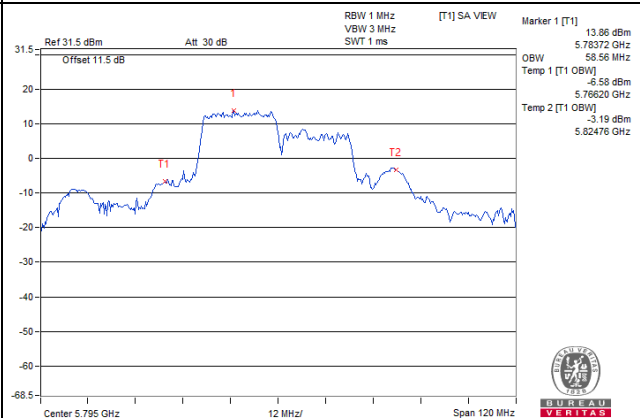


Spectrum Plot of Max. Value

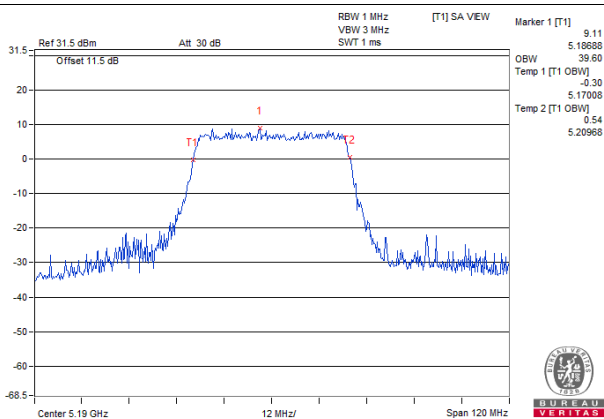
40MHz Preamble_RU106_Chain 1 / CH159



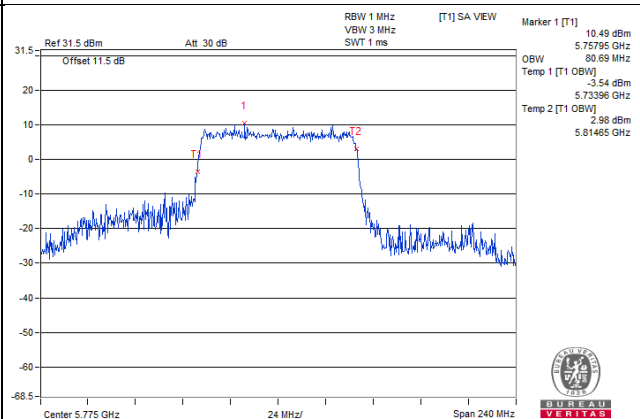
40MHz Preamble_RU242_Chain 1 / CH159



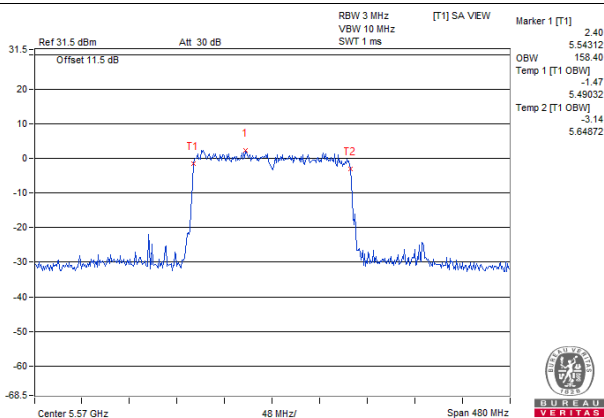
40MHz Preamble_RU484_Chain 0 / CH38



80MHz Preamble_RU996_Chain 1 / CH155

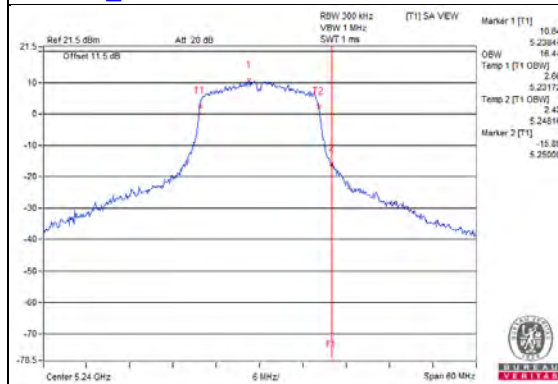


160MHz Preamble_RU1992_Chain 0 / CH114

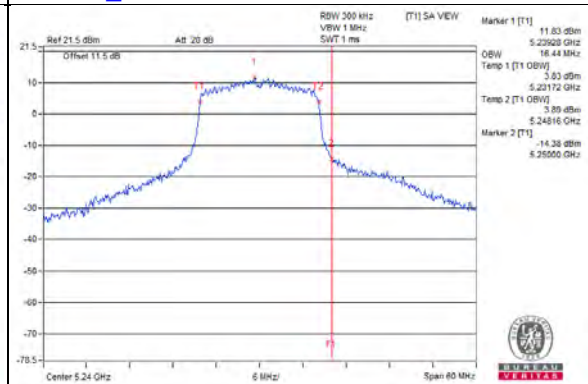


Spectrum Plot for near by DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A band)

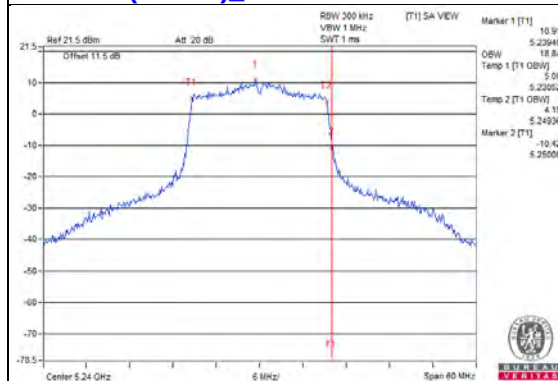
802.11a_Chain 0 / CH48



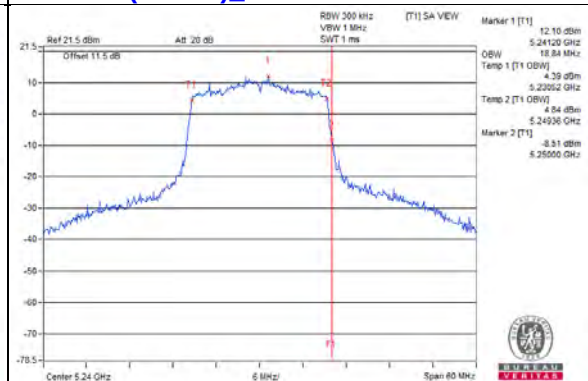
802.11a_Chain 1 / CH48



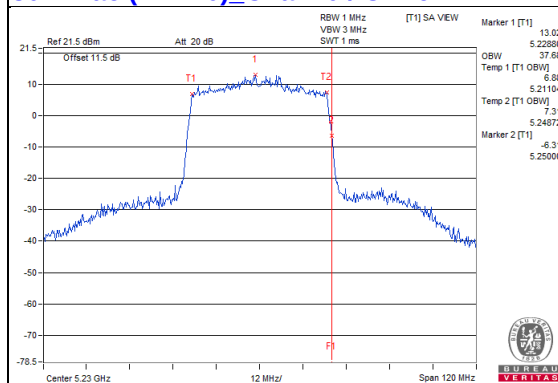
802.11ac (VHT20)_Chain 0 / CH48



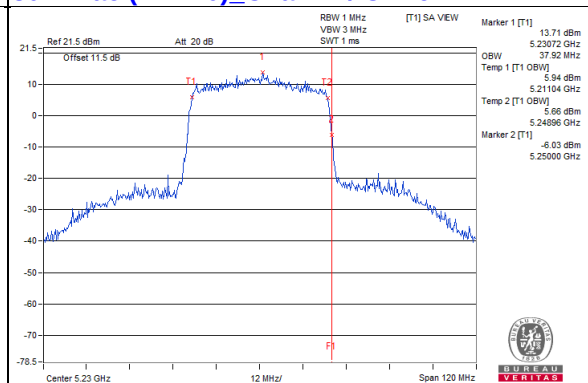
802.11ac (VHT20)_Chain 1 / CH48



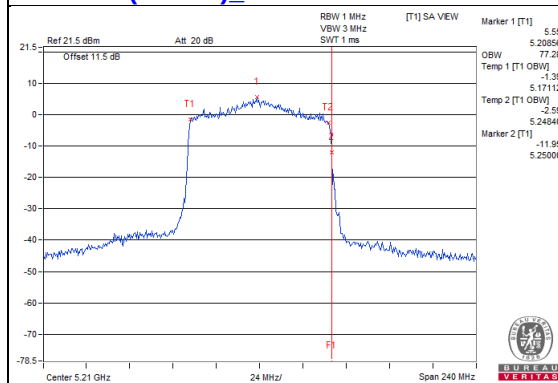
802.11ac (VHT40)_Chain 0 / CH46



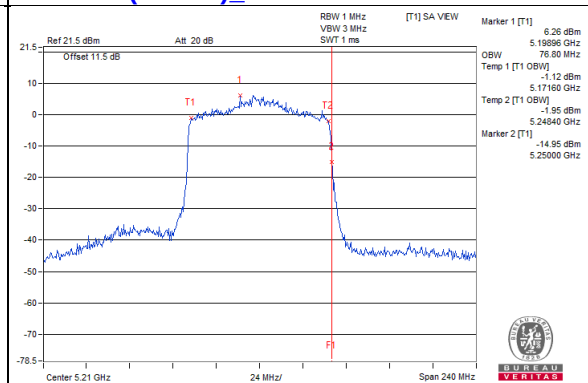
802.11ac (VHT40)_Chain 1 / CH46



802.11ac (VHT80)_Chain 0 / CH42

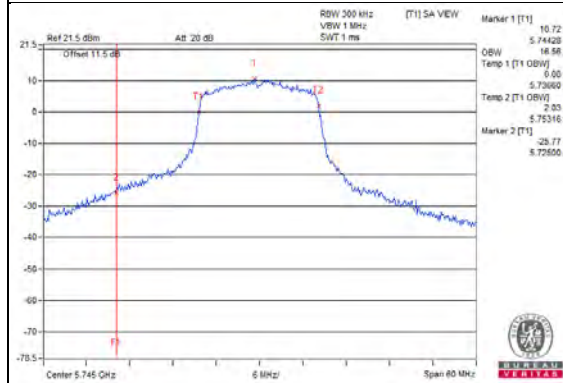


802.11ac (VHT80)_Chain 1 / CH42

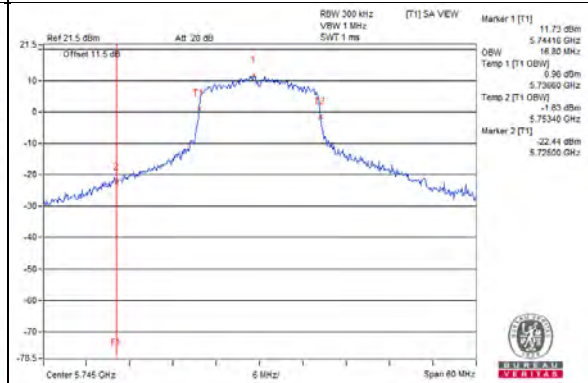


Spectrum Plot for near by DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C band)

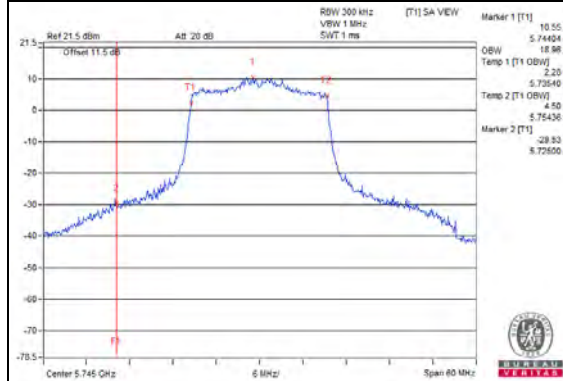
802.11a_Chain 0 / CH149



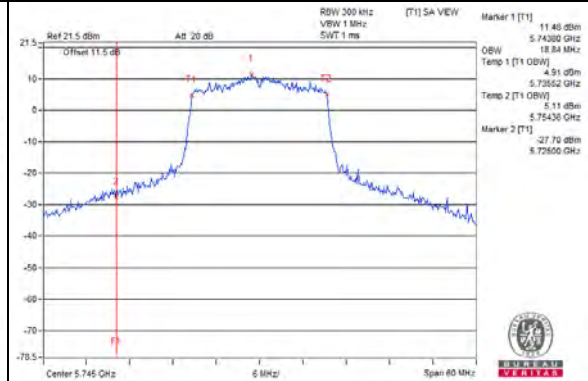
802.11a_Chain 1 / CH149



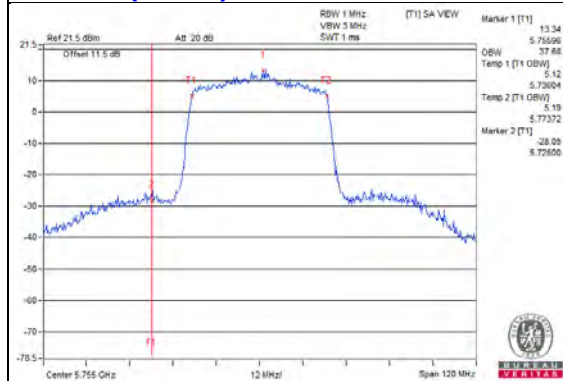
802.11ac (VHT20)_Chain 0 / CH149



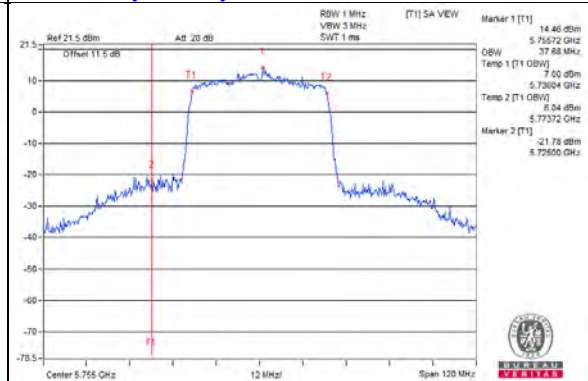
802.11ac (VHT20)_Chain 1 / CH149



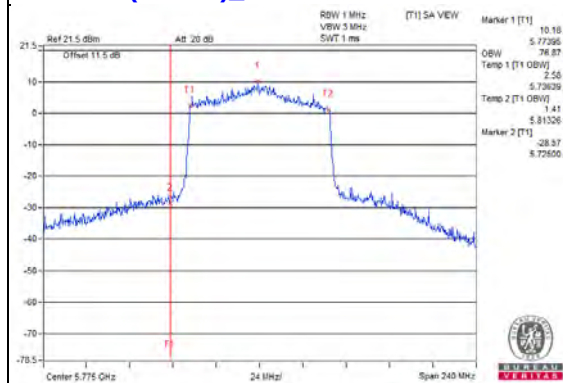
802.11ac (VHT40)_Chain 0 / CH151



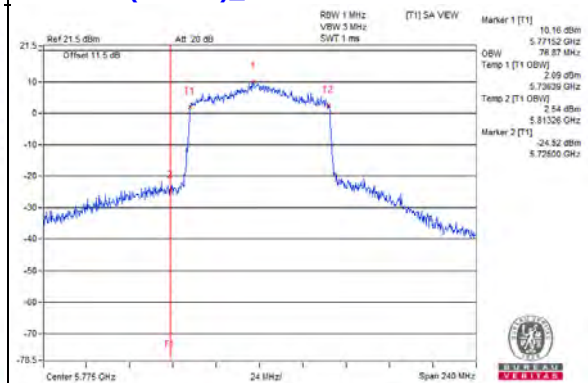
802.11ac (VHT40)_Chain 1 / CH151



802.11ac (VHT80)_Chain 0 / CH155

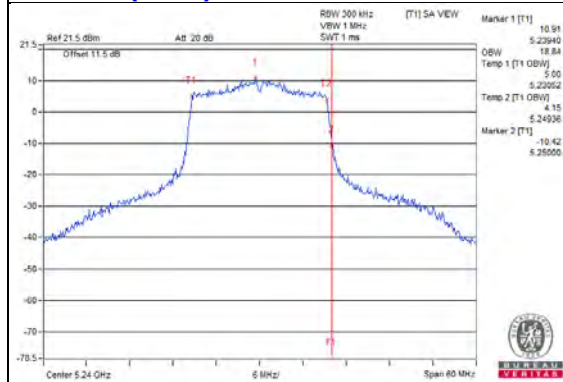


802.11ac (VHT80)_Chain 1 / CH155

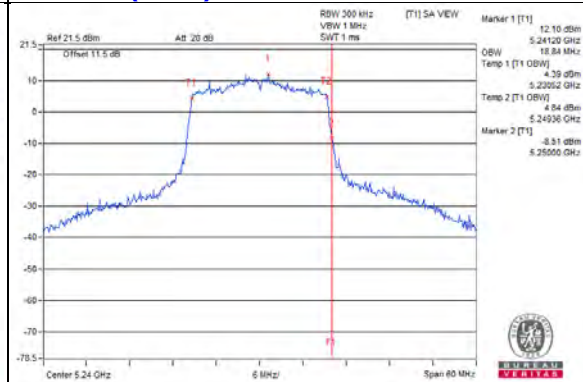


Spectrum Plot for near by DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A band)

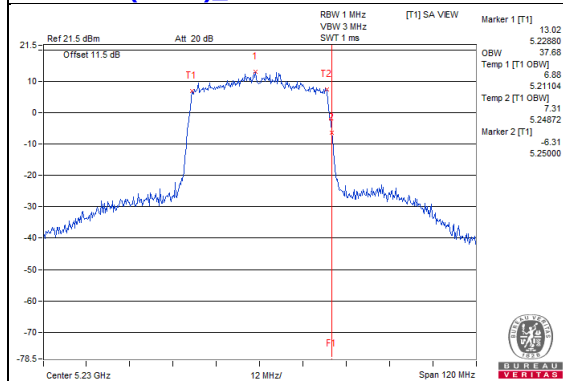
802.11ax (HE20)_Chain 0 / CH48



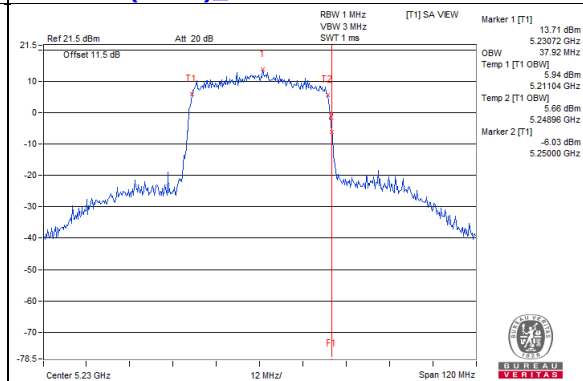
802.11ax (HE20)_Chain 1 / CH48



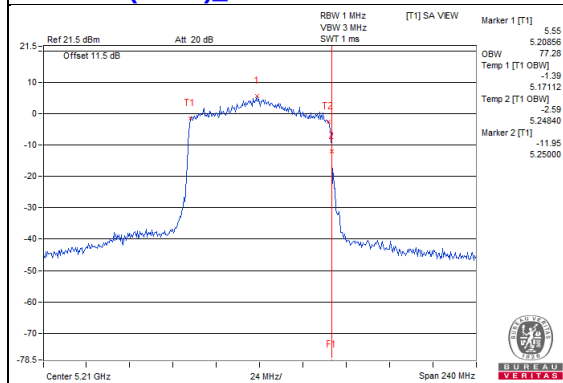
802.11ax (HE40)_Chain 0 / CH46



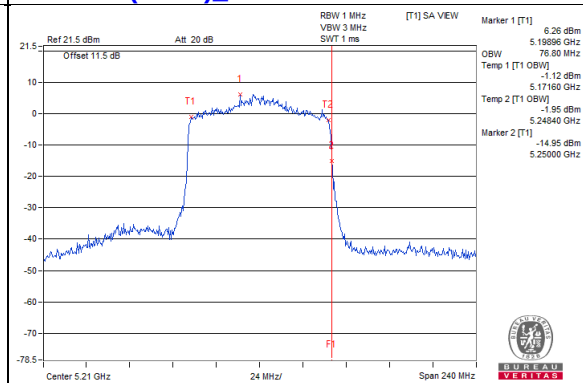
802.11ax (HE40)_Chain 1 / CH46



802.11ax (HE80)_Chain 0 / CH42

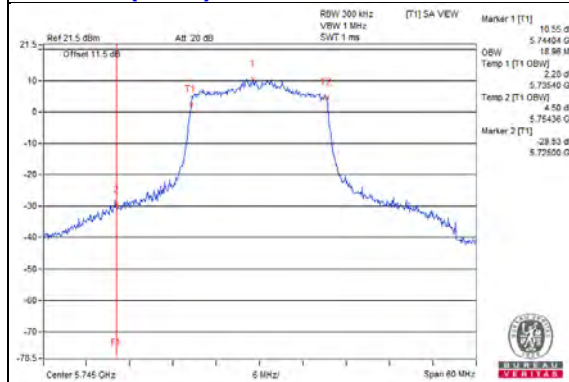


802.11ax (HE80)_Chain 1 / CH42

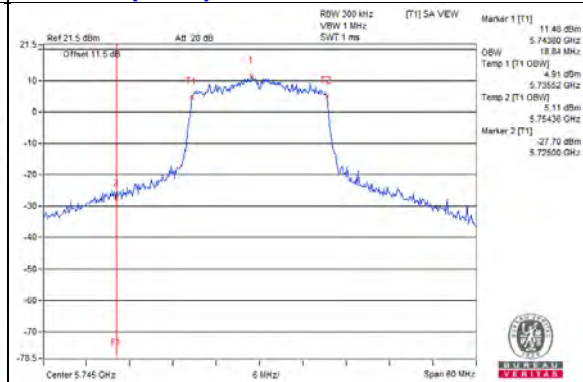


Spectrum Plot for near by DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C band)

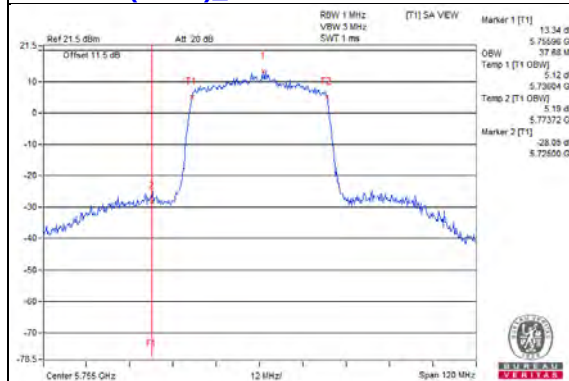
802.11ax (HE20)_Chain 0 / CH149



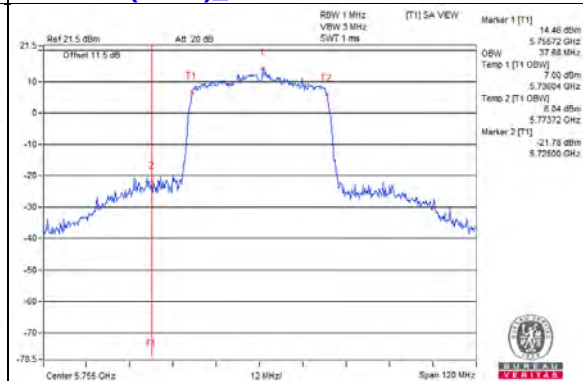
802.11ax (HE20)_Chain 1 / CH149



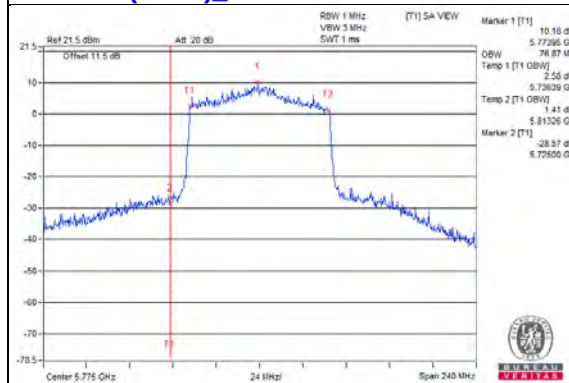
802.11ax (HE40)_Chain 0 / CH151



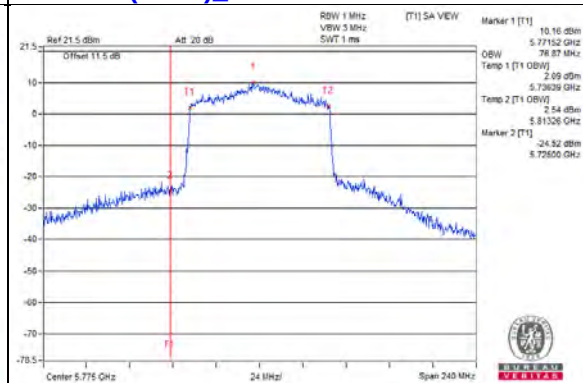
802.11ax (HE40)_Chain 1 / CH151



802.11ax (HE80)_Chain 0 / CH155



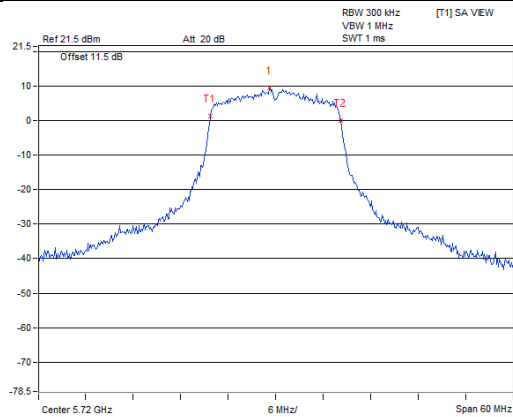
802.11ax (HE80)_Chain 1 / CH155



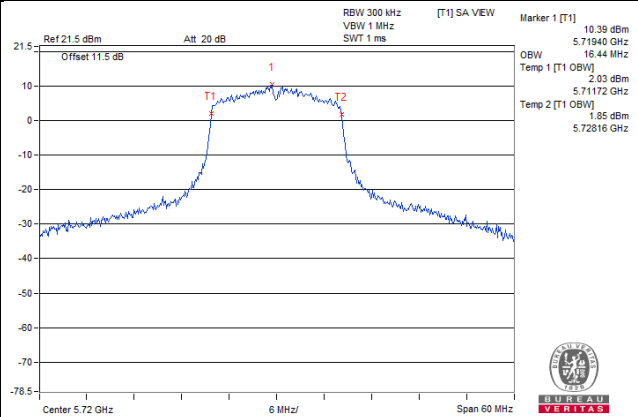
For channel straddling 5725MHz

Spectrum Plot Value of channel straddling 5725MHz

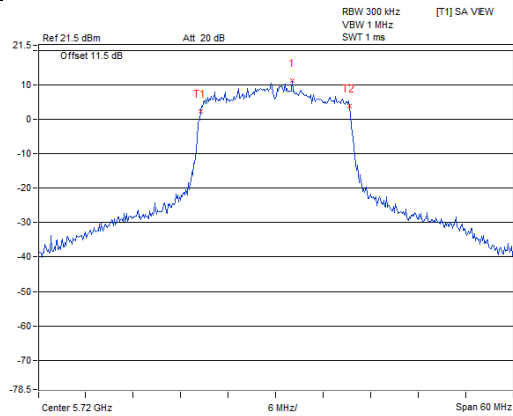
802.11a / Chain0 : CH144 (U-NII-2C Band)



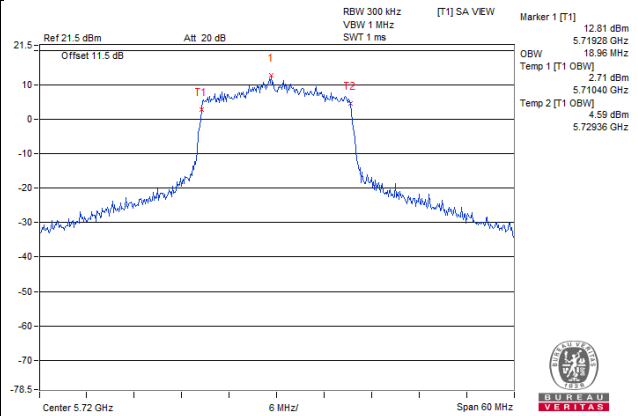
802.11a / Chain1 : CH144 (U-NII-2C Band)



802.11ac (VHT20) / Chain0 : CH144 (U-NII-2C Band)

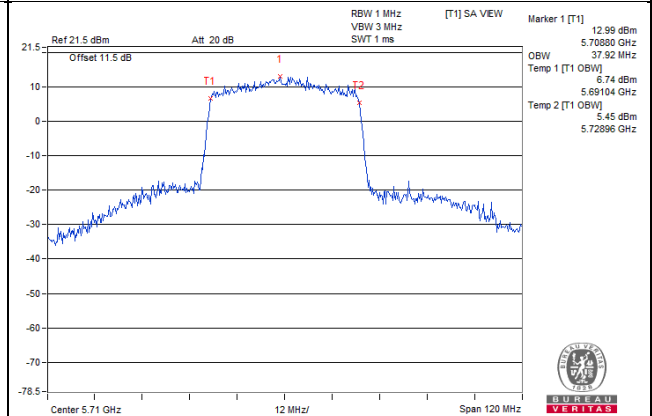
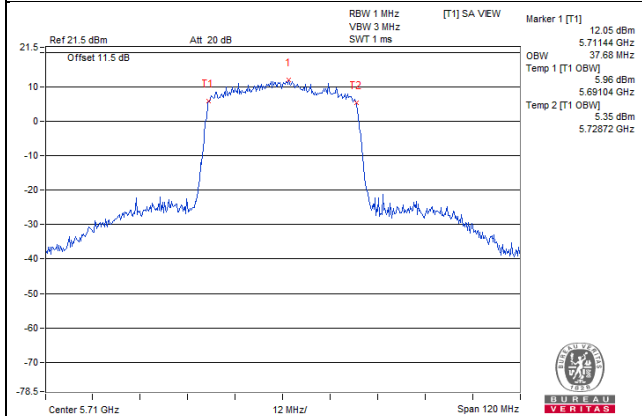


802.11ac (VHT20) / Chain1 : CH144 (U-NII-2C Band)

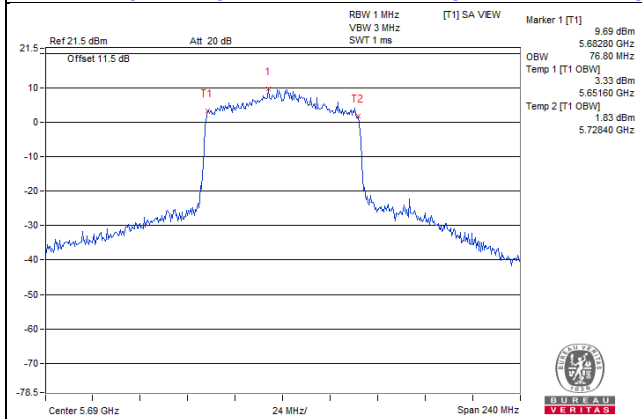


Spectrum Plot Value of channel straddling 5725MHz

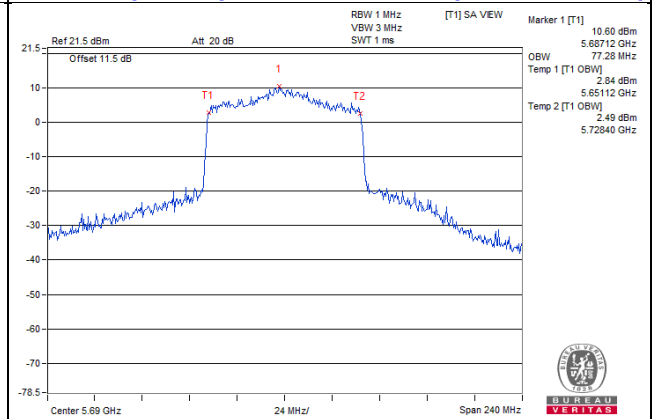
802.11ac (VHT40) / Chain0 : CH142 (U-NII-2C Band) 802.11ac (VHT40) / Chain1 : CH142 (U-NII-2C Band)



802.11ac (VHT80) / Chain0 : CH138 (U-NII-2C Band)

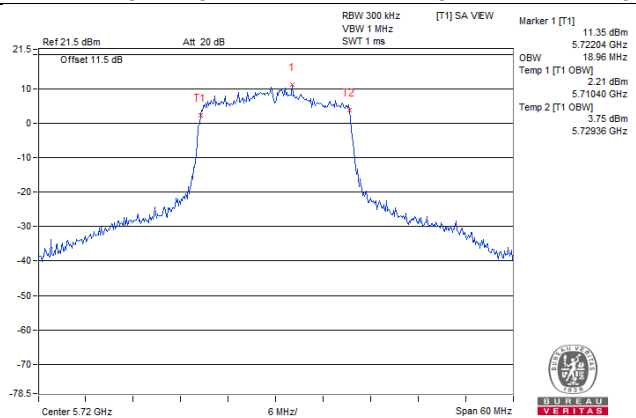


802.11ac (VHT80) / Chain1 : CH138 (U-NII-2C Band)

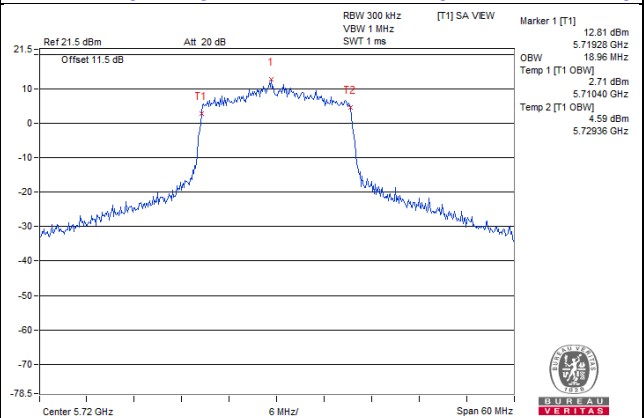


Spectrum Plot Value of channel straddling 5725MHz

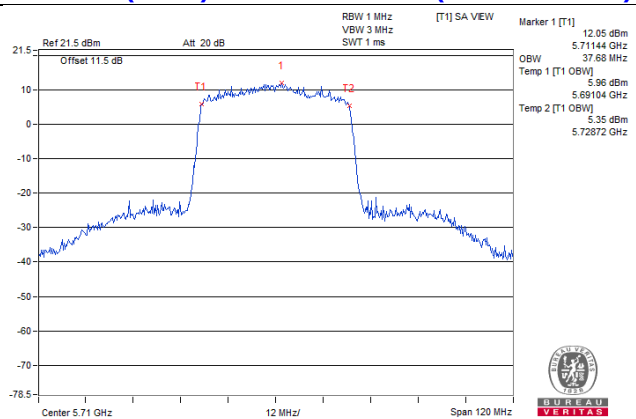
802.11ax (HE20) / Chain0 : CH144 (U-NII-2C Band)



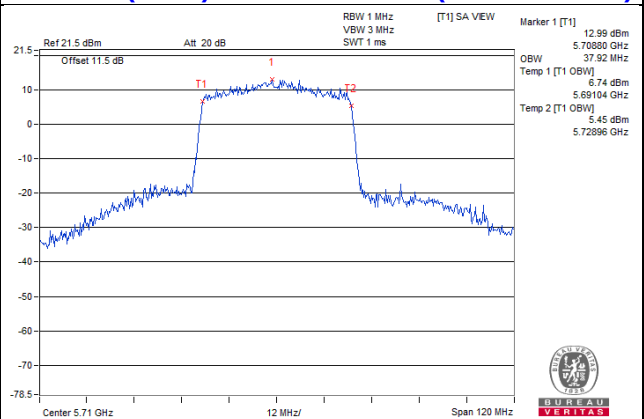
802.11ax (HE20) / Chain1 : CH144 (U-NII-2C Band)



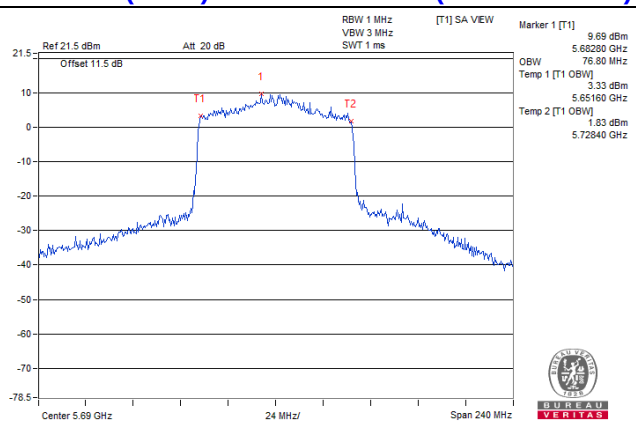
802.11ax (HE40) / Chain0 : CH142 (U-NII-2C Band)



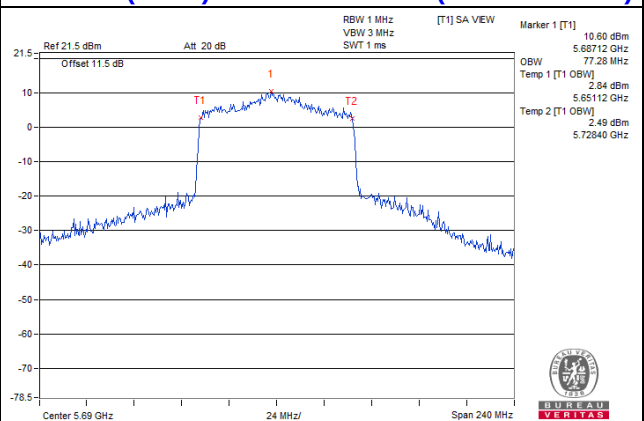
802.11ax (HE40) / Chain1 : CH142 (U-NII-2C Band)



802.11ax (HE80) / Chain0 : CH138 (U-NII-2C Band)



802.11ax (HE80) / Chain1 : CH138 (U-NII-2C Band)



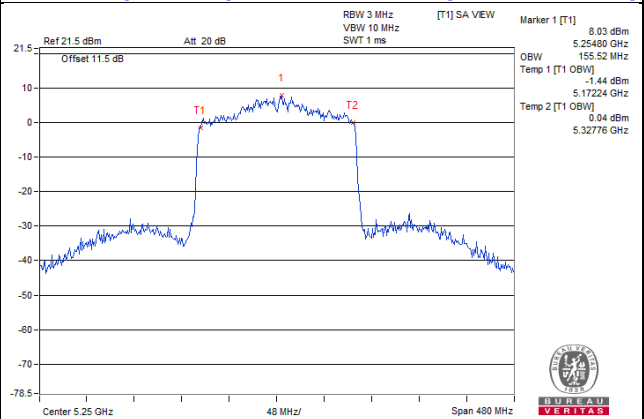
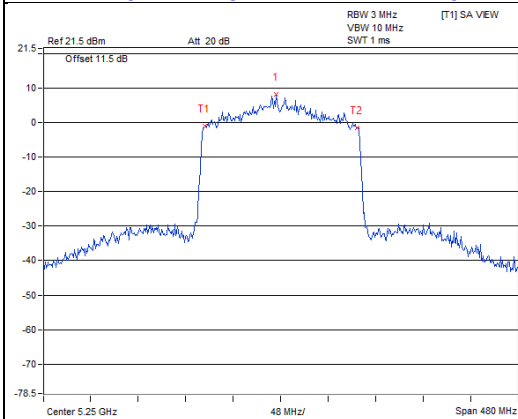
Note:

- For CH144 (U-NII-2C) = 5725MHz - Temp 1
- For CH142 (U-NII-2C) = 5725MHz - Temp 1
- For CH138 (U-NII-2C) = 5725MHz - Temp 1
- For CH144 (U-NII-3) = Temp 2 - 5725MHz
- For CH142 (U-NII-3) = Temp 2 - 5725MHz
- For CH138 (U-NII-3) = Temp 2 - 5725MHz

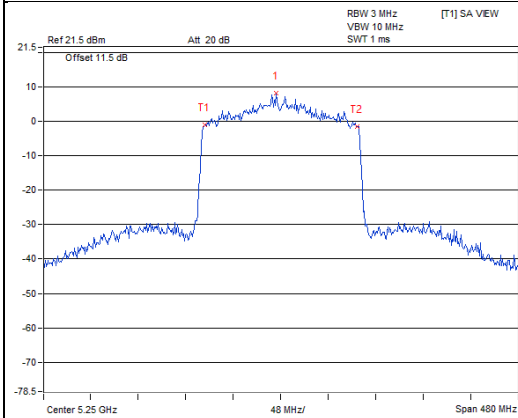
For channel straddling 5250MHz

Spectrum Plot Value of channel straddling 5725MHz

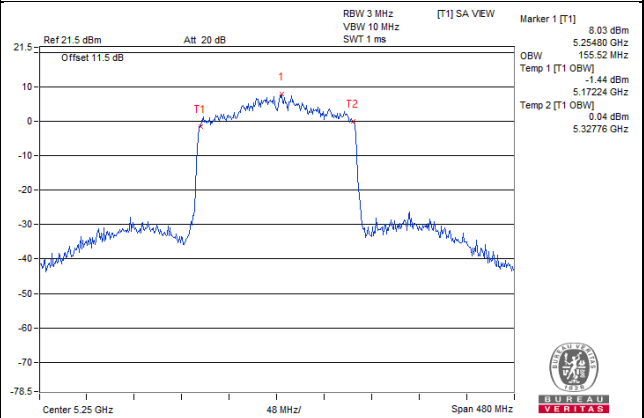
802.11ac (VHT160) / Chain0 : CH50 (U-NII-2A Band) **802.11ac (VHT160) / Chain1 : CH50 (U-NII-2A Band)**



802.11ax (HE160) / Chain0 : CH50 (U-NII-2A Band)



802.11ax (HE160) / Chain1 : CH50 (U-NII-2A Band)



Note:

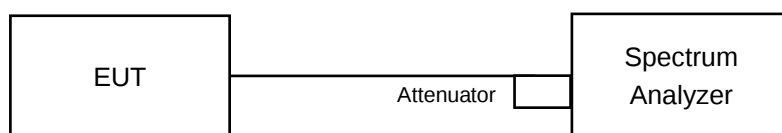
For CH50 (U-NII-2A) = 5250MHz - Marker 1

4.5 Peak Power Spectral Density Measurement

4.5.1 Limits of Peak Power Spectral Density Measurement

Operation Band	EUT Category		Limit
U-NII-1		Outdoor Access Point	17dBm/ MHz
		Fixed point-to-point Access Point	
		Indoor Access Point	
	√	Client device	11dBm/ MHz
U-NII-2A	√		11dBm/ MHz
U-NII-2C	√		11dBm/ MHz
U-NII-3	√		30dBm/ 500kHz

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedure

For U-NII-1, U-NII-2A, U-NII-2C band:

Using method SA-1

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
3. Sweep time = auto, trigger set to “free run”.
4. Trace average at least 100 traces in power averaging mode.
5. Record the max value

For U-NII-3:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
3. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
4. Scale the observed power level to an equivalent value in 500 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(500 \text{ kHz}/300\text{kHz})$
5. Sweep time = auto, trigger set to “free run”.
6. Trace average at least 100 traces in power averaging mode.
7. Record the max value

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Condition

Same as Item 4.3.6.

4.5.7 Test Results

For U-NII-1, U-NII-2A, U-NII-2C:

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	4.66	4.67	7.68	10.64	Pass
40	5200	7.19	7.50	10.36	10.64	Pass
48	5240	6.71	7.40	10.08	10.64	Pass
52	5260	6.83	7.72	10.31	10.57	Pass
60	5300	6.98	7.36	10.18	10.57	Pass
64	5320	4.72	5.95	8.39	10.57	Pass
100	5500	4.65	4.71	7.69	9.18	Pass
116	5580	5.49	6.44	9.00	9.18	Pass
140	5700	3.26	4.59	6.99	9.18	Pass
144 (U-NII-2C Band)	5720	5.27	6.15	8.74	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	3.57	4.24	6.93	10.64	Pass
40	5200	4.69	5.38	8.06	10.64	Pass
48	5240	4.88	5.64	8.29	10.64	Pass
52	5260	4.81	5.65	8.26	10.57	Pass
60	5300	5.00	5.86	8.46	10.57	Pass
64	5320	3.82	5.10	7.52	10.57	Pass
100	5500	2.86	3.61	6.26	9.18	Pass
116	5580	4.79	5.78	8.32	9.18	Pass
140	5700	3.13	3.45	6.30	9.18	Pass
144 (U-NII-2C Band)	5720	4.67	5.56	8.15	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
38	5190	-0.89	-0.30	2.43	10.64	Pass
46	5230	2.24	2.68	5.48	10.64	Pass
54	5270	1.54	2.41	5.01	10.57	Pass
62	5310	-0.24	0.69	3.26	10.57	Pass
102	5510	-0.25	0.17	2.98	9.18	Pass
110	5550	1.67	2.90	5.34	9.18	Pass
134	5670	0.54	1.35	3.97	9.18	Pass
142 (U-NII-2C Band)	5710	1.59	2.36	5.00	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
42	5210	-4.89	-4.44	-1.65	10.64	Pass
58	5290	-3.12	-2.30	0.32	10.57	Pass
106	5530	-3.22	-2.77	0.02	9.18	Pass
122	5610	-1.11	-0.15	2.41	9.18	Pass
138 (U-NII-2C Band)	5690	-1.00	-0.17	2.44	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
50 (U-NII-1 Band)	5250	-8.21	-7.25	-4.69	10.64	Pass
50 (U-NII-2A Band)	5250	-8.21	-7.25	-4.69	10.57	Pass
114	5570	-7.54	-6.13	-3.77	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.

20MHz Preamble

RU26

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
26/0	36	5180	7.14	7.94	10.57	10.64	Pass
26/0	40	5200	6.87	7.68	10.30	10.64	Pass
26/8	48	5240	6.76	7.89	10.37	10.64	Pass
26/0	52	5260	7.02	7.70	10.38	10.57	Pass
26/8	60	5300	7.13	7.87	10.53	10.57	Pass
26/8	64	5320	6.78	7.92	10.40	10.57	Pass
26/0	100	5500	5.85	6.32	9.10	9.18	Pass
26/0	116	5580	5.61	6.64	9.17	9.18	Pass
26/8	140	5700	5.24	6.39	8.86	9.18	Pass
26/0	144 (U-NII-2C Band)	5720	5.65	6.40	9.05	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

RU52

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
52/37	36	5180	6.83	7.25	10.06	10.64	Pass
52/37	40	5200	6.77	7.54	10.18	10.64	Pass
52/40	48	5240	7.03	7.93	10.51	10.64	Pass
52/37	52	5260	7.13	7.41	10.28	10.57	Pass
52/40	60	5300	7.02	7.92	10.50	10.57	Pass
52/40	64	5320	6.62	7.43	10.05	10.57	Pass
52/37	100	5500	5.88	6.20	9.05	9.18	Pass
52/37	116	5580	5.60	6.63	9.16	9.18	Pass
52/40	140	5700	2.68	3.61	6.18	9.18	Pass
52/37	144 (U-NII-2C Band)	5720	5.70	6.11	8.92	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

RU106

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
106/53	36	5180	4.24	4.70	7.49	10.64	Pass
106/53	40	5200	5.27	5.71	8.51	10.64	Pass
106/54	48	5240	5.99	6.66	9.35	10.64	Pass
106/53	52	5260	6.31	6.78	9.56	10.57	Pass
106/54	60	5300	6.00	6.52	9.28	10.57	Pass
106/54	64	5320	3.30	4.07	6.71	10.57	Pass
106/53	100	5500	2.80	3.38	6.11	9.18	Pass
106/53	116	5580	5.66	5.91	8.80	9.18	Pass
106/54	140	5700	0.45	1.28	3.90	9.18	Pass
106/53	144 (U-NII-2C Band)	5720	5.50	5.65	8.59	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

RU242

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
242/61	36	5180	0.20	0.43	3.33	10.64	Pass
	40	5200	1.62	1.87	4.76	10.64	Pass
	48	5240	3.16	3.38	6.28	10.64	Pass
	52	5260	3.31	3.36	6.35	10.57	Pass
	60	5300	2.43	2.42	5.44	10.57	Pass
	64	5320	-0.14	0.05	2.97	10.57	Pass
	100	5500	-2.29	-1.65	1.05	9.18	Pass
	116	5580	2.46	3.02	5.76	9.18	Pass
	140	5700	-3.96	-3.12	-0.51	9.18	Pass
	144 (U-NII-2C Band)	5720	2.84	3.18	6.02	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

40MHz Preamble

RU26

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
26/9	38	5190	7.45	7.78	10.63	10.64	Pass
26/27	46	5230	7.25	7.61	10.44	10.64	Pass
26/9	54	5270	7.19	7.27	10.24	10.57	Pass
26/27	62	5310	7.02	7.56	10.31	10.57	Pass
26/9	102	5510	5.35	6.14	8.77	9.18	Pass
26/27	110	5550	5.06	6.50	8.85	9.18	Pass
26/9	134	5670	5.45	6.35	8.93	9.18	Pass
26/27	142 (U-NII-2C Band)	5710	5.36	6.67	9.07	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

RU52

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
52/41	38	5190	5.92	5.94	8.94	10.64	Pass
52/48	46	5230	7.03	7.71	10.39	10.64	Pass
52/41	54	5270	7.44	7.26	10.36	10.57	Pass
52/48	62	5310	4.67	5.13	7.92	10.57	Pass
52/41	102	5510	3.20	4.29	6.79	9.18	Pass
52/48	110	5550	5.15	6.88	9.11	9.18	Pass
52/41	134	5670	4.22	4.49	7.37	9.18	Pass
52/48	142 (U-NII-2C Band)	5710	5.37	6.66	9.07	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

RU106

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
106/55	38	5190	2.38	2.64	5.52	10.64	Pass
106/58	46	5230	5.10	5.43	8.28	10.64	Pass
106/55	54	5270	5.23	5.06	8.16	10.57	Pass
106/58	62	5310	1.73	1.82	4.79	10.57	Pass
106/55	102	5510	0.31	0.71	3.53	9.18	Pass
106/58	110	5550	2.39	3.24	5.85	9.18	Pass
106/55	134	5670	0.65	1.08	3.88	9.18	Pass
106/58	142 (U-NII-2C Band)	5710	4.37	4.19	7.29	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

RU242

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
242/62	38	5190	-1.07	-0.91	2.02	10.64	Pass
242/63	46	5230	1.79	1.88	4.85	10.64	Pass
242/62	54	5270	1.49	1.42	4.47	10.57	Pass
242/63	62	5310	-1.63	-1.54	1.43	10.57	Pass
242/62	102	5510	-3.26	-2.81	-0.02	9.18	Pass
242/63	110	5550	-1.01	0.11	2.60	9.18	Pass
242/62	134	5670	-3.01	-2.36	0.34	9.18	Pass
242/63	142 (U-NII-2C Band)	5710	1.01	0.90	3.97	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (6.36 - 6) = 10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (6.43 - 6) = 10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (7.82 - 6) = 9.18\text{dBm}$.

RU484

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
484/65	38	5190	-5.69	-5.45	-2.56	10.64	Pass
	46	5230	-1.00	-0.95	2.04	10.64	Pass
	54	5270	-0.71	-1.15	2.09	10.57	Pass
	62	5310	-5.05	-4.85	-1.94	10.57	Pass
	102	5510	-8.21	-7.54	-4.85	9.18	Pass
	110	5550	-3.65	-2.84	-0.22	9.18	Pass
	134	5670	-6.45	-6.06	-3.24	9.18	Pass
	142 (U-NII-2C Band)	5710	-2.41	-1.98	0.82	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

80MHz Preamble

RU996

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
996/67	42	5210	-8.71	-8.39	-5.54	10.64	Pass
	58	5290	-8.43	-8.34	-5.37	10.57	Pass
	106	5530	-11.28	-10.33	-7.77	9.18	Pass
	122	5610	-8.92	-7.74	-5.28	9.18	Pass
	138 (U-NII-2C Band)	5690	-6.82	-5.81	-3.28	9.18	Pass

- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

160MHz Preamble

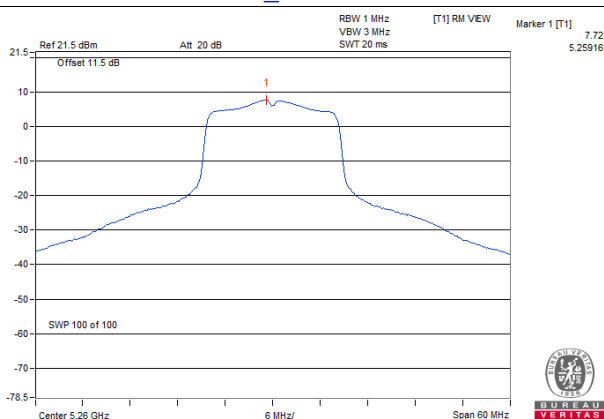
RU1992

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
1992/68	50 (U-NII-1 Band)	5250	-12.86	-12.11	-9.46	10.64	Pass
	50 (U-NII-2A Band)	5250	-12.65	-11.90	-9.25	10.57	Pass
	114	5570	-13.60	-12.95	-10.25	9.18	Pass

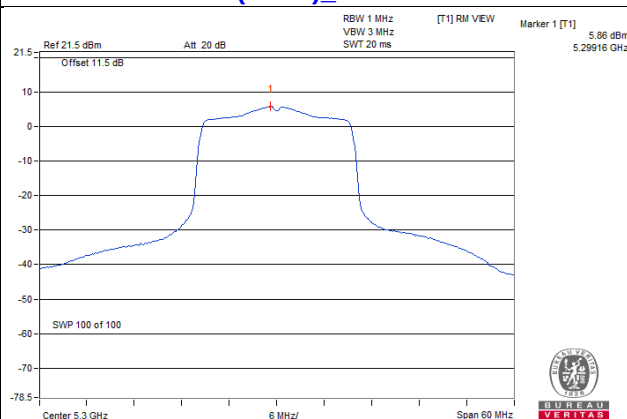
- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1: The directional gain = $3.35\text{dBi} + 10\log(2) = 6.36\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.36-6)=10.64\text{dBm}$.
3. For U-NII-2A: The directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6)=10.57\text{dBm}$.
4. For U-NII-2C: The directional gain = $4.81\text{dBi} + 10\log(2) = 7.82\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7.82-6)=9.18\text{dBm}$.

Spectrum Plot of Worst Value

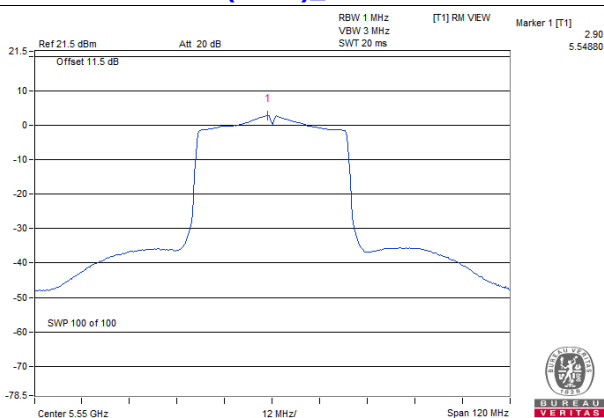
802.11a_Chain 1 / CH52



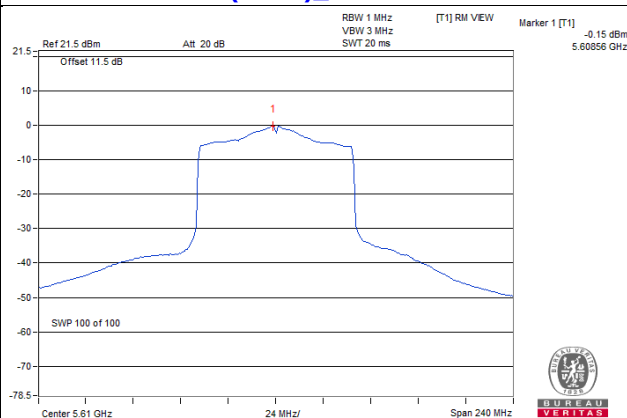
802.11ax (HE20)_Chain 1 / CH60



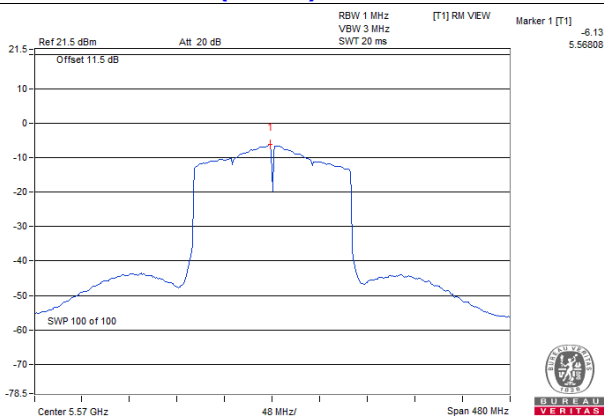
802.11ax (HE40)_Chain 1 / CH110



802.11ax (HE80)_Chain 1 / CH122

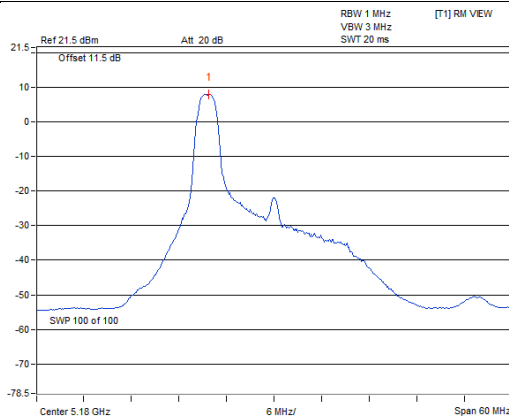


802.11ax (HE160)_Chain 1 / CH114

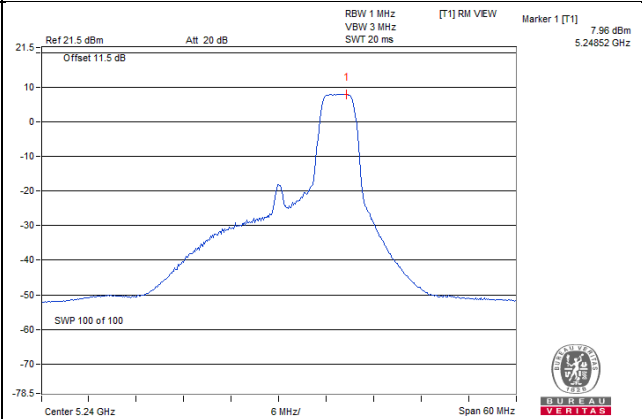


Spectrum Plot of Max. Value

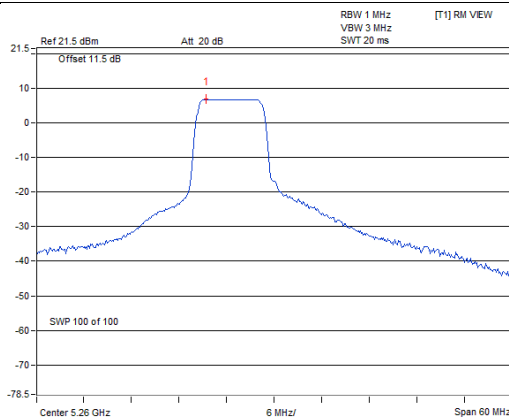
20MHz Preamble_RU26_Chain 1 / CH36



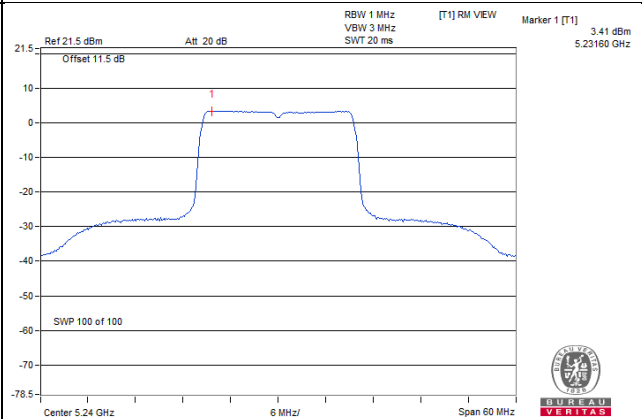
20MHz Preamble_RU52_Chain 1 / CH48



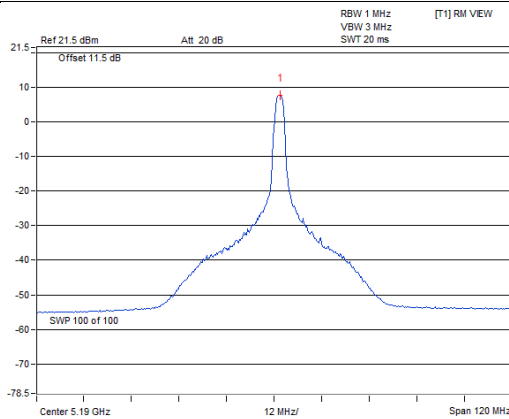
20MHz Preamble_RU106_Chain 1 / CH52



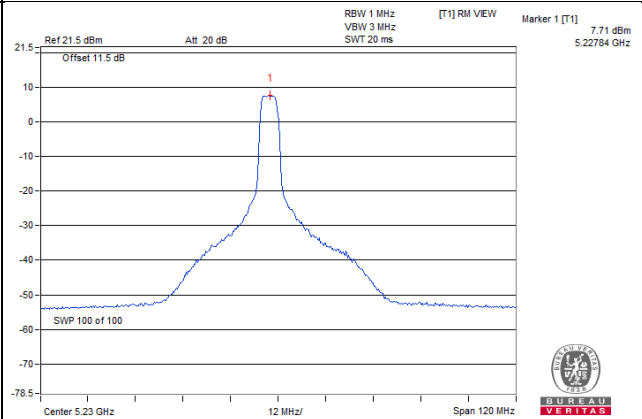
20MHz Preamble_RU242_Chain 1 / CH48



40MHz Preamble_RU26_Chain 1 / CH38

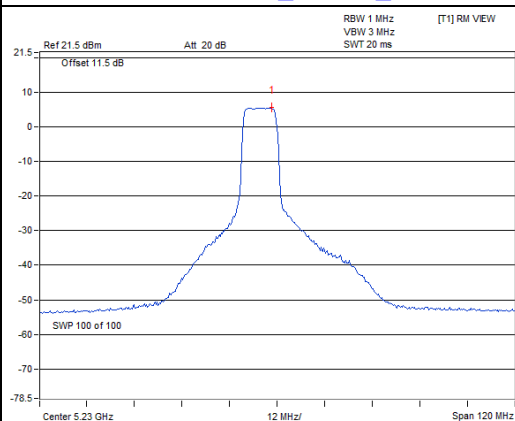


40MHz Preamble_RU52_Chain 1 / CH46

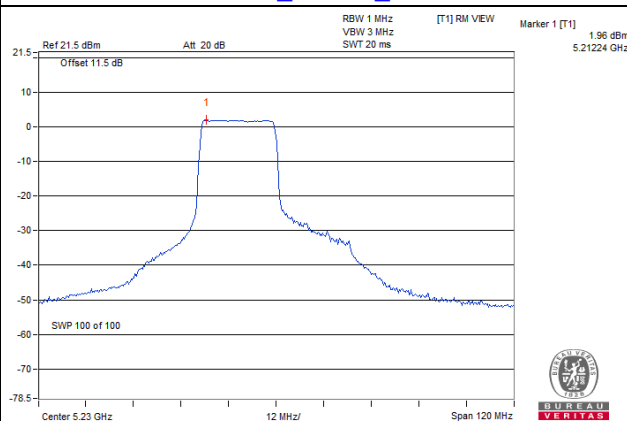


Spectrum Plot of Max. Value

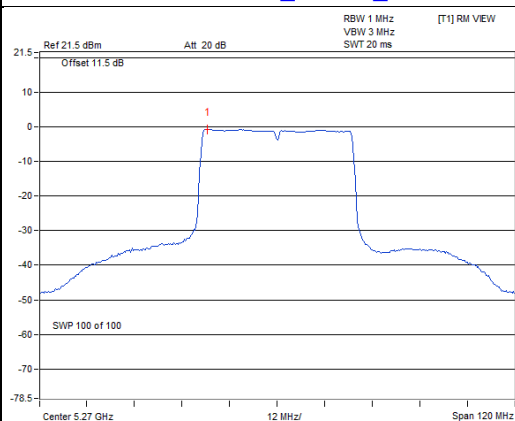
40MHz Preamble_RU106_Chain 1 / CH46



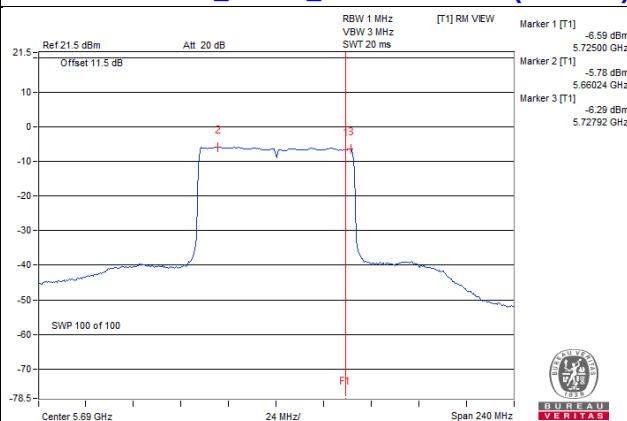
40MHz Preamble_RU242_Chain 1 / CH46



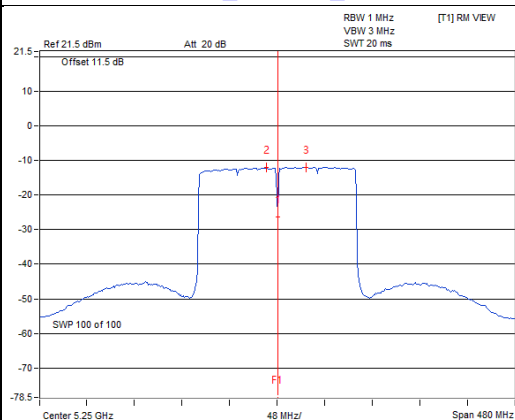
40MHz Preamble_RU484_Chain 0 / CH54



80MHz Preamble_RU996_Chain 1 / CH138(U-NII-2C)



160MHz Preamble_RU1992_Chain 1 / CH50 U-NII-2A)



For U-NII-3:

802.11a

Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD (dBm/500kHz)	Limit (dBm/ 500kHz)	Pass /Fail
		Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
144 (U-NII-3 Band)	5720	-6.11	-5.43	0.5313	-2.75	-0.53	28.27	Pass
149	5745	-1.54	-0.89	1.5162	1.81	4.03	28.27	Pass
157	5785	-1.33	-0.95	1.5397	1.87	4.09	28.27	Pass
165	5825	-0.82	-0.94	1.6333	2.13	4.35	28.27	Pass

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (7.73 - 6) = 28.27\text{dBm}$.

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD (dBm/500kHz)	Limit (dBm/ 500kHz)	Pass /Fail
		Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
144 (U-NII-3 Band)	5720	-7.80	-7.12	0.36	-4.44	-2.22	28.27	Pass
149	5745	-4.06	-3.43	0.8466	-0.72	1.50	28.27	Pass
157	5785	-4.21	-3.40	0.8364	-0.78	1.44	28.27	Pass
165	5825	-3.88	-3.39	0.8674	-0.62	1.60	28.27	Pass

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (7.73 - 6) = 28.27\text{dBm}$.

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD (dBm/500kHz)	Limit (dBm/ 500kHz)	Pass /Fail
		Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
142 (U-NII-3 Band)	5710	-11.96	-11.17	0.14006	-8.54	-6.32	28.27	Pass
151	5755	-7.71	-7.06	0.3662	-4.36	-2.14	28.27	Pass
159	5795	-7.27	-6.80	0.3964	-4.02	-1.80	28.27	Pass

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (7.73 - 6) = 28.27\text{dBm}$.

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD (dBm/500kHz)	Limit (dBm/ 500kHz)	Pass /Fail
		Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
138 (U-NII-3 Band)	5690	-16.26	-15.30	0.05317	-12.74	-10.52	28.27	Pass
155	5775	-10.70	-9.75	0.19104	-7.19	-4.97	28.27	Pass

- Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(7.73-6) = 28.27\text{dBm}$.

20MHz Preamble

RU26

RU Configuration	Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
26/8	144 (U-NII-3 Band)	5720	-4.04	-2.73	0.9278	-0.33	1.89	28.27	Pass
26/0	149	5745	0.63	1.87	2.694	4.30	6.52	28.27	Pass
26/8	157	5785	2.13	3.12	3.684	5.66	7.88	28.27	Pass
26/8	165	5825	0.89	2.13	2.86	4.56	6.78	28.27	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (7.73 - 6) = 28.27\text{dBm}$.

RU52

RU Configuration	Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
52/40	144 (U-NII-3 Band)	5720	-3.87	-3.20	0.8888	-0.51	1.71	28.27	Pass
52/37	149	5745	-2.17	-1.81	1.2659	1.02	3.24	28.27	Pass
52/40	157	5785	-0.14	0.97	2.2185	3.46	5.68	28.27	Pass
52/40	165	5825	-2.24	-1.72	1.27	1.04	3.26	28.27	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (7.73 - 6) = 28.27\text{dBm}$.

RU106

RU Configuration	Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
106/54	144 (U-NII-3 Band)	5720	-4.14	-3.50	0.8322	-0.80	1.42	28.27	Pass
106/53	149	5745	-4.77	-4.21	0.7127	-1.47	0.75	28.27	Pass
106/54	157	5785	-3.79	-2.82	0.9402	-0.27	1.95	28.27	Pass
106/54	165	5825	-5.02	-3.79	0.7326	-1.35	0.87	28.27	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (7.73 - 6) = 28.27\text{dBm}$.

RU242

RU Configuration	Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
242/61	144 (U-NII-3 Band)	5720	-6.97	-5.93	0.4562	-3.41	-1.19	28.27	Pass
	149	5745	-5.48	-4.83	0.612	-2.13	0.09	28.27	Pass
	157	5785	-6.23	-5.28	0.5347	-2.72	-0.50	28.27	Pass
	165	5825	-5.27	-4.88	0.6223	-2.06	0.16	28.27	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(7.73-6) = 28.27\text{dBm}$.

40MHz Preamble

RU26

RU Configuration	Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
26/27	142 (U-NII-3 Band)	5710	-49.09	-47.75	0.00002912	-45.36	-43.14	28.27	Pass
26/9	151	5755	1.72	1.54	2.912	4.64	6.86	28.27	Pass
26/27	159	5795	0.55	1.66	2.601	4.15	6.37	28.27	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (7.73 - 6) = 28.27\text{dBm}$.

RU52

RU Configuration	Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
52/48	142 (U-NII-3 Band)	5710	-47.13	-45.58	0.00004703	-43.28	-41.06	28.27	Pass
52/41	151	5755	-2.35	-1.08	1.3619	1.34	3.56	28.27	Pass
52/48	159	5795	-2.33	-0.96	1.3865	1.42	3.64	28.27	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (7.73 - 6) = 28.27\text{dBm}$.

RU106

RU Configuration	Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
106/58	142 (U-NII-3 Band)	5710	-44.36	-45.22	0.0000667	-41.76	-39.54	28.27	Pass
106/55	151	5755	-5.07	-3.94	0.7148	-1.46	0.76	28.27	Pass
106/58	159	5795	-5.43	-3.84	0.6995	-1.55	0.67	28.27	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (7.73 - 6) = 28.27\text{dBm}$.

RU242

RU Configuration	Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
242/63	142 (U-NII-3 Band)	5710	-39.78	-39.23	0.0002246	-36.49	-34.27	28.27	Pass
242/62	151	5755	-8.56	-7.47	0.3184	-4.97	-2.75	28.27	Pass
242/63	159	5795	-8.12	-7.27	0.3417	-4.66	-2.44	28.27	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(7.73-6) = 28.27\text{dBm}$.

RU484

RU Configuration	Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
484/65	142 (U-NII-3 Band)	5710	-12.42	-11.22	0.13279	-8.77	-6.55	28.27	Pass
	151	5755	-12.52	-11.31	0.12994	-8.86	-6.64	28.27	Pass
	159	5795	-11.58	-10.76	0.15345	-8.14	-5.92	28.27	Pass

Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(7.73-6) = 28.27\text{dBm}$.

80MHz Preamble

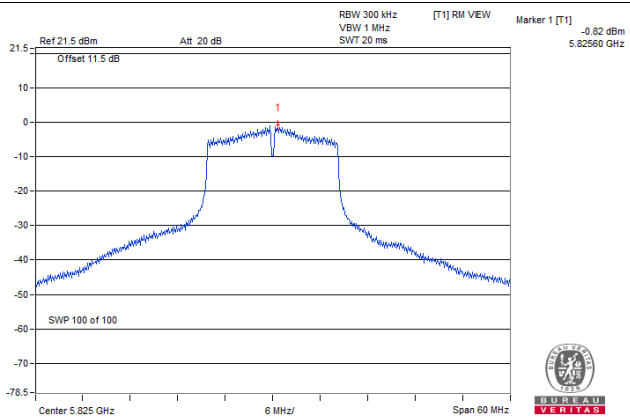
RU996

RU Configuration	Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			Chain 0	Chain 1	mW/ 300kHz	dBm/ 300kHz			
996/67	138 (U-NII-3 Band)	5690	-16.93	-15.66	0.04744	-13.24	-11.02	28.27	Pass
	155	5775	-15.94	-15.06	0.05666	-12.47	-10.25	28.27	Pass

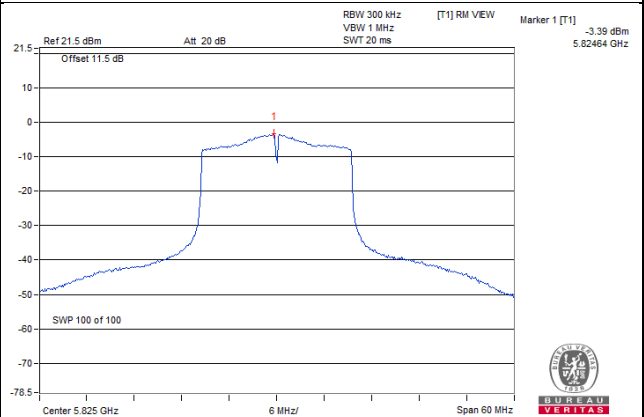
Note: 1. Method b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
 2. The directional gain = $4.72\text{dBi} + 10\log(2) = 7.73\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(7.73-6) = 28.27\text{dBm}$.

Spectrum Plot of Worst Value

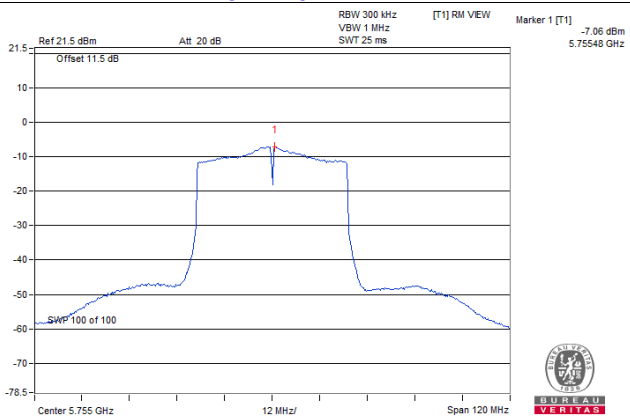
802.11a_Chain 0 / CH165



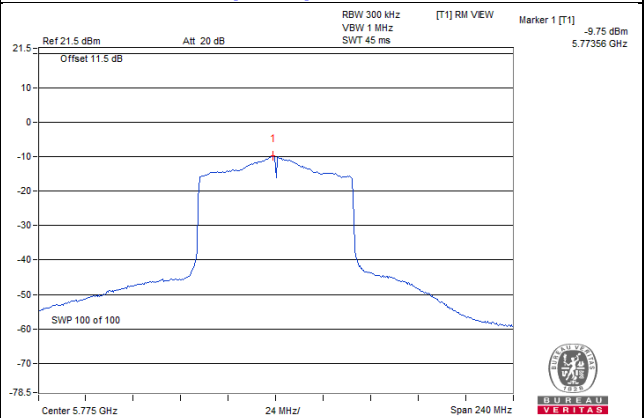
802.11ax (HE20)_Chain 1 / CH165



802.11ax (HE40)_Chain 1 / CH159

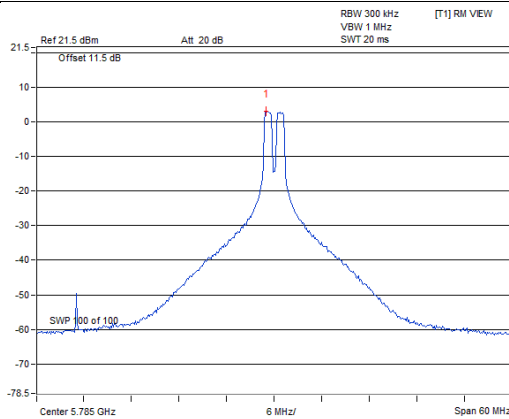


802.11ax (HE80)_Chain 1 / CH155

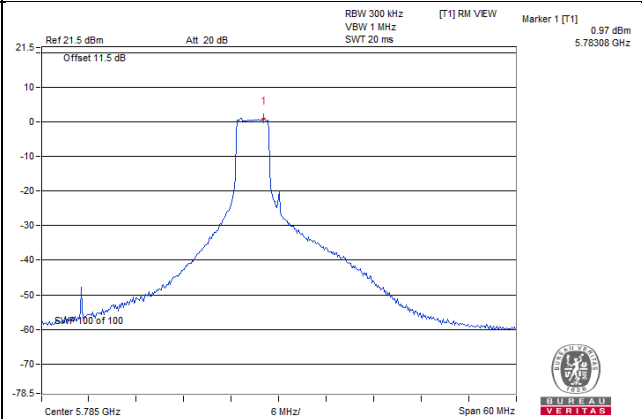


Spectrum Plot of Max. Value

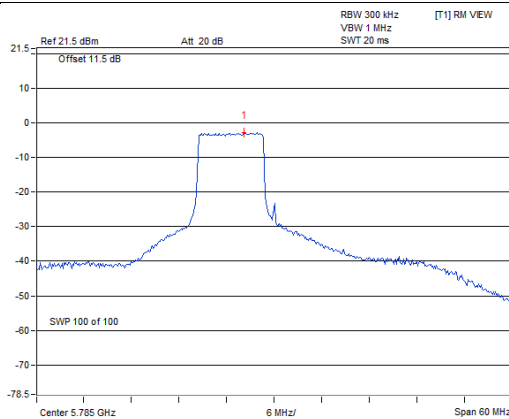
20MHz Preamble_RU26_Chain 1/ CH157



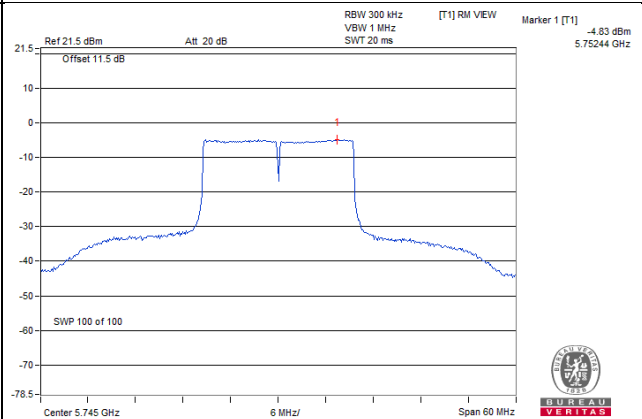
20MHz Preamble_RU52_Chain 1/ CH157



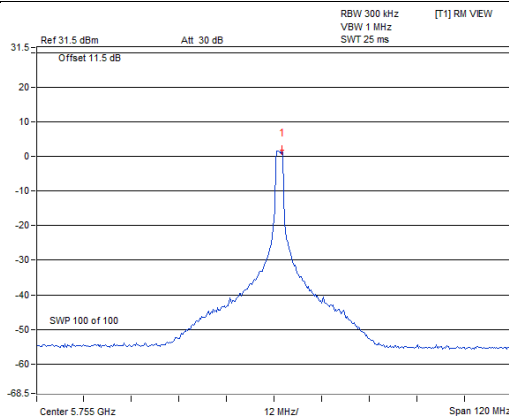
20MHz Preamble_RU106_Chain 1/ CH157



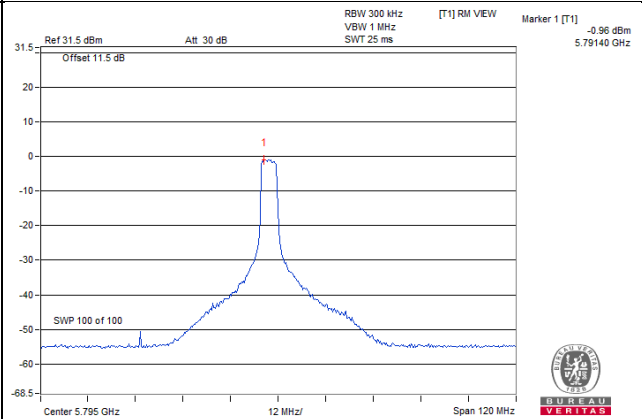
20MHz Preamble_RU242_Chain 1/ CH149



40MHz Preamble_RU26_Chain 0/ CH151

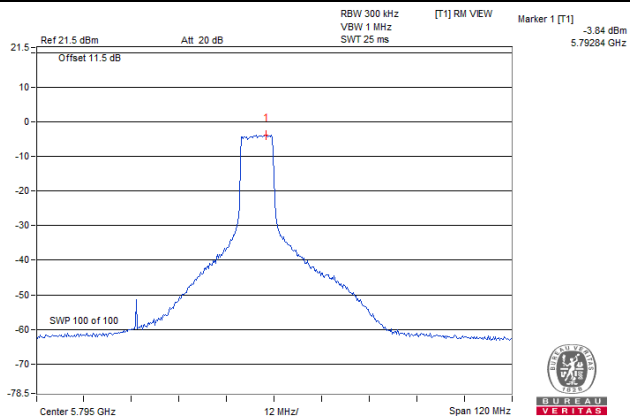


40MHz Preamble_RU52_Chain 1/ CH159

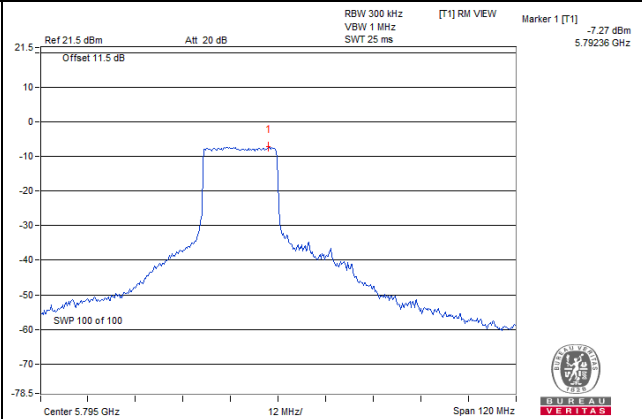


Spectrum Plot of Max. Value

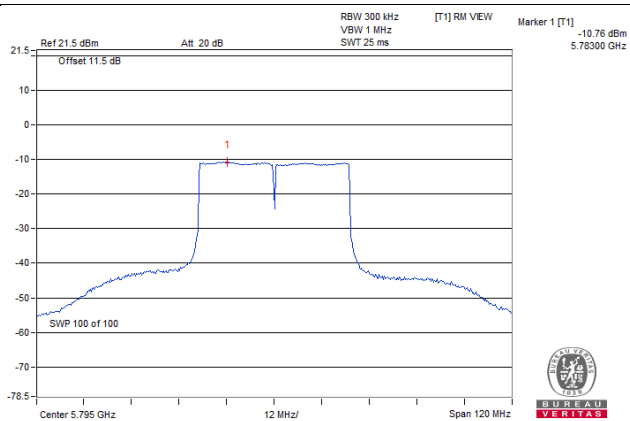
40MHz Preamble_RU106_Chain 1 / CH159



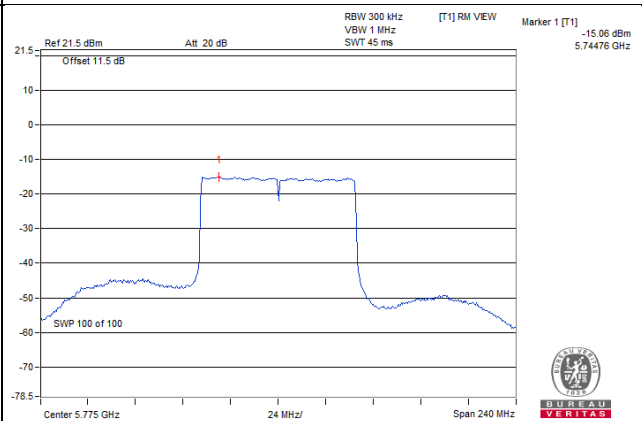
40MHz Preamble_RU242_Chain 1 / CH159



40MHz Preamble_RU484_Chain 1 / CH159



80MHz Preamble_RU996_Chain 1 / CH155

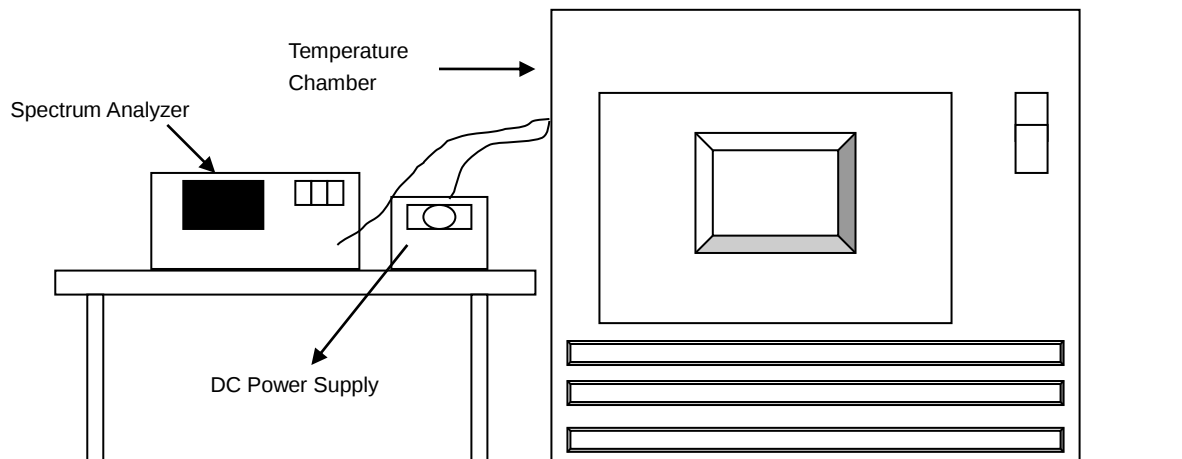


4.6 Frequency Stability Measurement

4.6.1 Limits of Frequency Stability Measurement

The frequency of the carrier signal shall be maintained within band of operation

4.6.2 Test Setup



4.6.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.6.4 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 Minutes.
- Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.
- The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 Minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

Set the EUT transmit at un-modulation mode to test frequency stability.

4.6.7 Test Results

Frequency Stability Versus Temp.									
Operating Frequency: 5180 MHz									
TEMP. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail
70	3.3	5180.0021	PASS	5180.0042	PASS	5180.0027	PASS	5180.002	PASS
60	3.3	5179.9968	PASS	5179.9993	PASS	5179.9976	PASS	5180.0007	PASS
50	3.3	5179.9949	PASS	5179.9979	PASS	5179.9933	PASS	5179.9951	PASS
40	3.3	5180.0092	PASS	5180.008	PASS	5180.0103	PASS	5180.0096	PASS
30	3.3	5180.023	PASS	5180.0228	PASS	5180.0257	PASS	5180.0238	PASS
20	3.3	5180.009	PASS	5180.0074	PASS	5180.0097	PASS	5180.0101	PASS
10	3.3	5179.996	PASS	5179.9944	PASS	5179.9953	PASS	5179.9947	PASS
0	3.3	5179.9894	PASS	5179.9894	PASS	5179.9864	PASS	5179.9856	PASS
-10	3.3	5180.0284	PASS	5180.0269	PASS	5180.0235	PASS	5180.0253	PASS

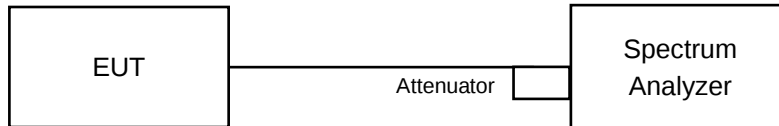
Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
TEMP. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail
20	3.795	5180.0082	PASS	5180.0071	PASS	5180.0092	PASS	5180.0099	PASS
	3.3	5180.009	PASS	5180.0074	PASS	5180.0097	PASS	5180.0101	PASS
	2.805	5180.0097	PASS	5180.0069	PASS	5180.009	PASS	5180.0104	PASS

4.7 6dB Bandwidth Measurement

4.7.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

4.7.2 Test Setup



4.7.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.7.4 Test Procedure

MEASUREMENT PROCEDURE REF

- Set resolution bandwidth (RBW) = 100kHz
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

4.7.5 Deviation from Test Standard

No deviation.

4.7.6 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.7.7 Test Results

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144 (U-NII-3 Band)	5720	2.54	2.55	0.5	Pass
149	5745	15.15	15.18	0.5	Pass
157	5785	15.1	15.2	0.5	Pass
165	5825	15.17	15.19	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144 (U-NII-3 Band)	5720	3.35	4.25	0.5	Pass
149	5745	16.07	16.07	0.5	Pass
157	5785	16.59	15.35	0.5	Pass
165	5825	15.95	15.18	0.5	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
142 (U-NII-3 Band)	5710	2.58	2.57	0.5	Pass
151	5755	35.26	36.4	0.5	Pass
159	5795	35.98	34.9	0.5	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
138 (U-NII-3 Band)	5690	1.39	2.58	0.5	Pass
155	5775	71.37	68.96	0.5	Pass

20MHz Preamble

RU26

RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
			Chain 0	Chain 1		
26/8	144 (U-NII-3 Band)	5720	4.49	4.5	0.5	Pass
26/0	149	5745	2.1	2.08	0.5	Pass
26/8	157	5785	2.68	2.67	0.5	Pass
26/8	165	5825	2.09	2.08	0.5	Pass

RU52

RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
			Chain 0	Chain 1		
52/40	144 (U-NII-3 Band)	5720	4.43	4.42	0.5	Pass
52/37	149	5745	14.58	17.08	0.5	Pass
52/40	157	5785	15.08	15.09	0.5	Pass
52/40	165	5825	15.86	15.82	0.5	Pass

RU106

RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
			Chain 0	Chain 1		
106/54	144 (U-NII-3 Band)	5720	4.55	4.56	0.5	Pass
106/53	149	5745	17.23	17.79	0.5	Pass
106/54	157	5785	17.21	17.21	0.5	Pass
106/54	165	5825	17.37	17.21	0.5	Pass

RU242

RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
			Chain 0	Chain 1		
242/61	144 (U-NII-3 Band)	5720	4.52	4.51	0.5	Pass
	149	5745	19.1	19.1	0.5	Pass
	157	5785	19.13	19.12	0.5	Pass
	165	5825	19.12	19.08	0.5	Pass

40MHz Preamble

RU26

RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
			Chain 0	Chain 1		
26/9	151	5755	2.16	2.15	0.5	Pass
26/27	159	5795	2.16	2.17	0.5	Pass

RU52

RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
			Chain 0	Chain 1		
52/41	151	5755	4.16	4.18	0.5	Pass
52/48	159	5795	4.21	4.2	0.5	Pass

RU106

RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
			Chain 0	Chain 1		
106/55	151	5755	35.11	32.6	0.5	Pass
106/58	159	5795	31.39	32.6	0.5	Pass

RU242

RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
			Chain 0	Chain 1		
242/63	142 (U-NII-3 Band)	5710	2.58	2.61	0.5	Pass
242/62	151	5755	36.87	36.91	0.5	Pass
242/63	159	5795	36.78	36.91	0.5	Pass

RU484

RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
			Chain 0	Chain 1		
484/65	142 (U-NII-3 Band)	5710	4.1	4.1	0.5	Pass
	151	5755	38.3	38.34	0.5	Pass
	159	5795	38.28	38.34	0.5	Pass

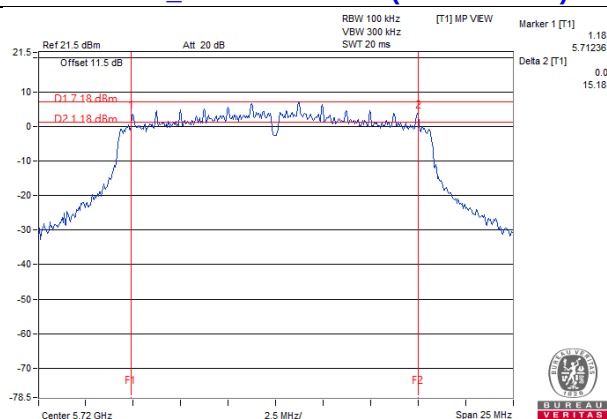
80MHz Preamble

RU996

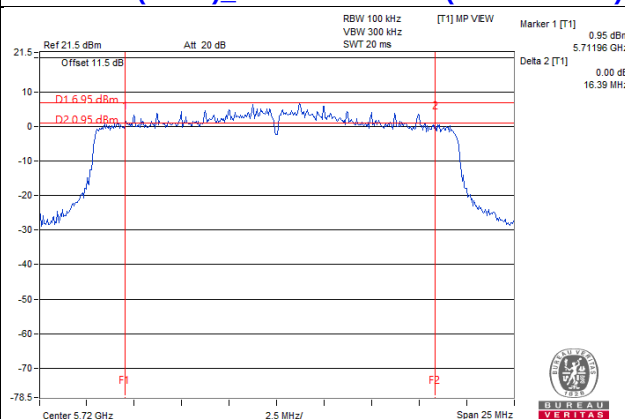
RU Configuration	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
			Chain 0	Chain 1		
996/67	138 (U-NII-3 Band)	5690	4.08	4.08	0.5	Pass
	155	5775	78.42	78.3	0.5	Pass

Spectrum Plot of Worst Value

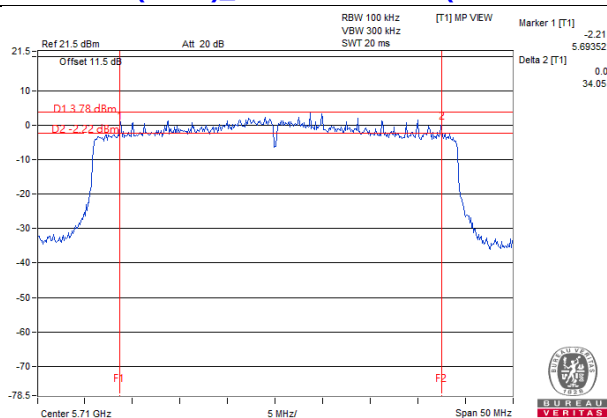
802.11a_Chain 0 / CH144 (U-NII-3 Band)



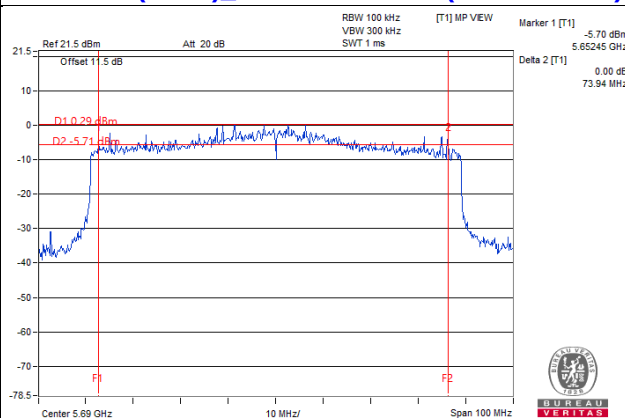
802.11ax (HE20)_Chain 0 / CH144 (U-NII-3 Band)



802.11ax (HE40)_Chain 1 / CH142 (U-NII-3 Band)

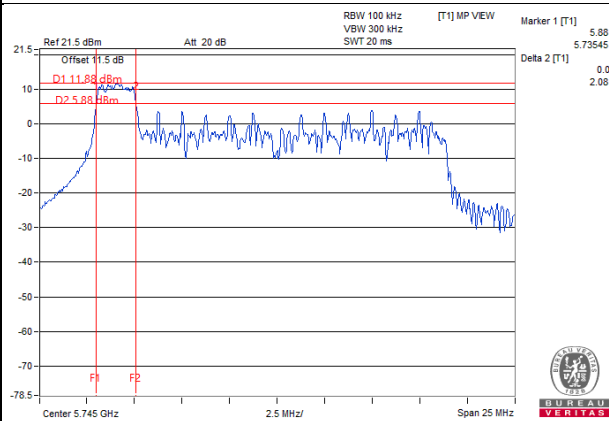


802.11ax (HE80)_Chain 0 / CH138 (U-NII-3 Band)

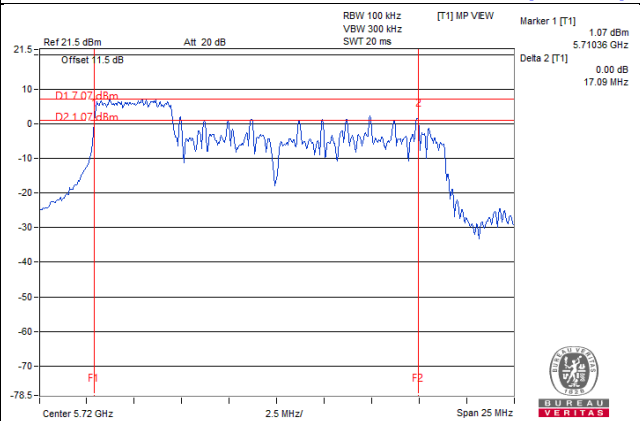


Spectrum Plot of Max. Value

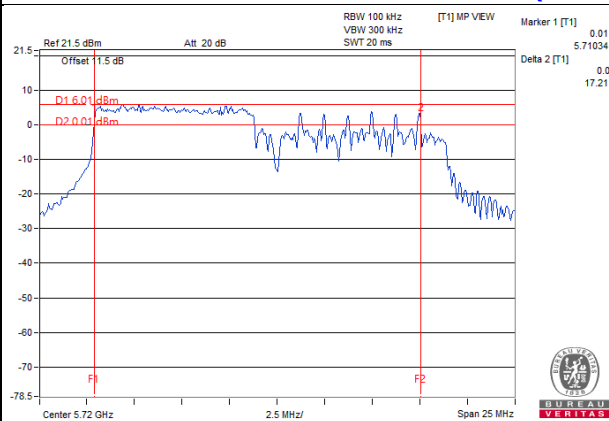
20MHz Preamble_RU26_Chain 1 / CH149



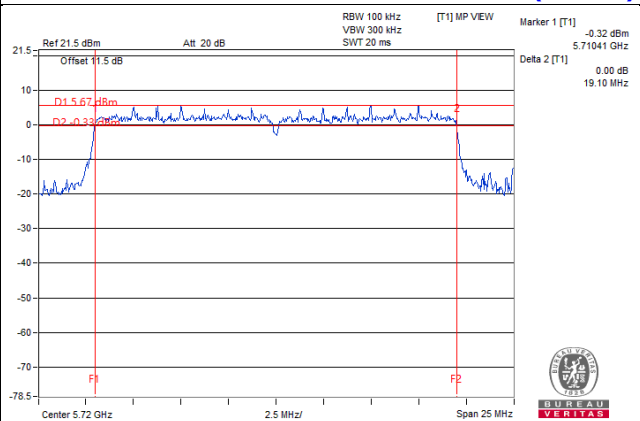
20MHz Preamble_RU52_Chain 1 / CH144(U-NII-3)



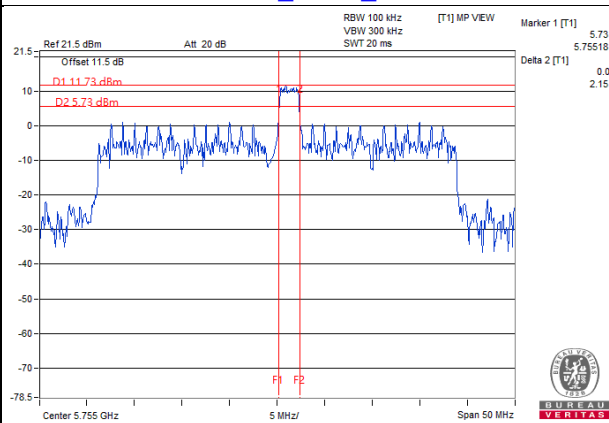
20MHz Preamble_RU106_Chain 0 / CH144(U-NII-3)



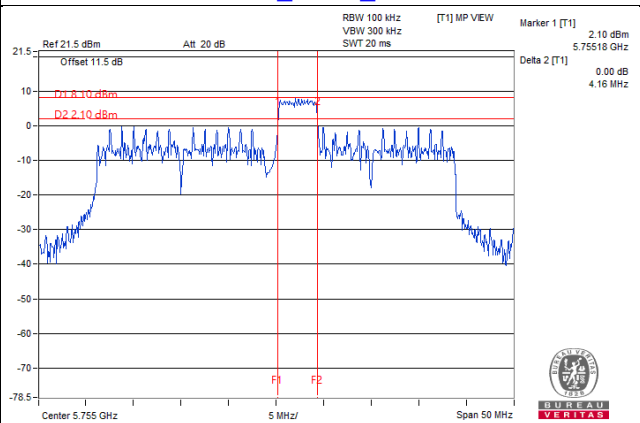
20MHz Preamble_RU242_Chain 1 / CH144(U-NII-3)



40MHz Preamble_RU26_Chain 1 / CH151

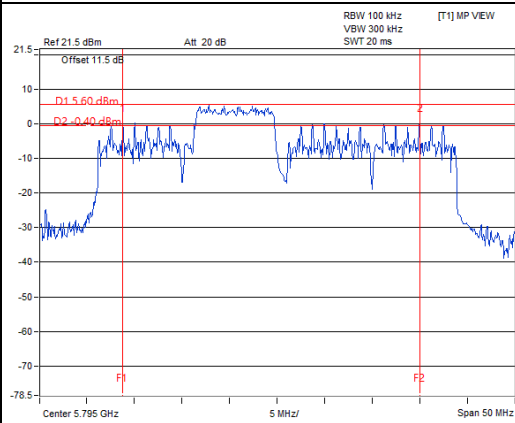


40MHz Preamble_RU52_Chain 0 / CH151

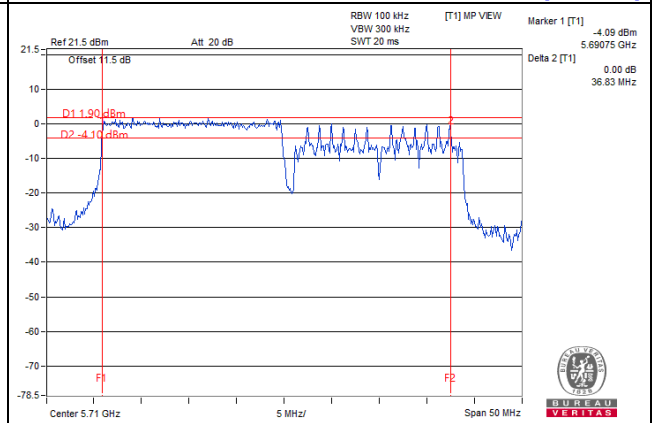


Spectrum Plot of Max. Value

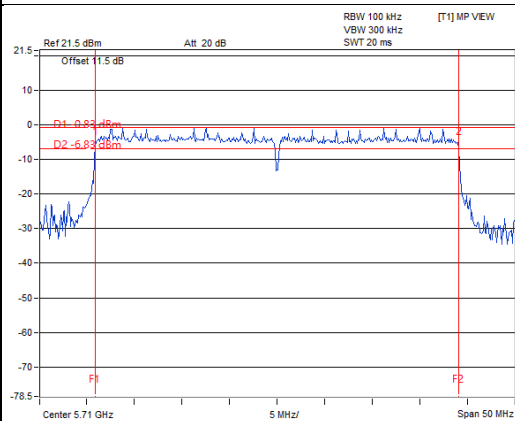
40MHz Preamble_RU106_Chain 0 / CH159



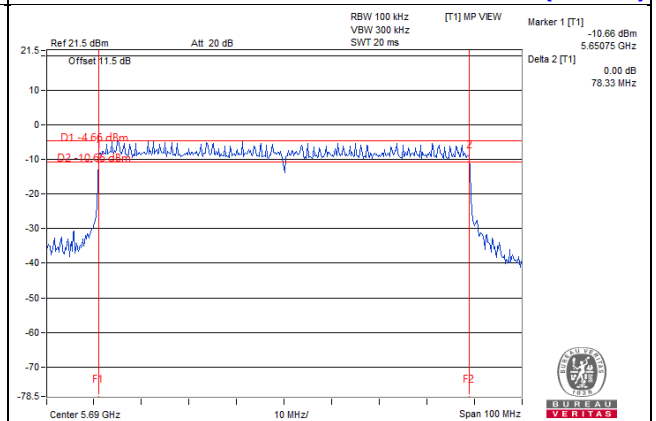
40MHz Preamble_RU242_Chain 0 / CH142(U-NII-3)



40MHz Preamble_RU484_Chain 0 / CH142 (U-NII-3)



80MHz Preamble_RU996_Chain 0 / CH138 (U-NII-3)



Note: The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix A – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

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Fax: 886-3-6668323

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Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

6 Appendix B – Radiated Emission Measurement

6.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

- The lower limit shall apply at the transition frequencies.
- Emission level (dBuV/m) = 20 log Emission level (uV/m).
- For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

Limits of unwanted emission out of the restricted bands

Applicable To		Limit	
789033 D02 General UNII Test Procedure New Rules v02r01		Field Strength at 3m	
		PK:74 (dBμV/m)	AV:54 (dBμV/m)
Frequency Band	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	15.407(b)(1)	PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz	15.407(b)(2)		
5470~5725 MHz	15.407(b)(3)		
5725~5850 MHz	15.407(b)(4)(i)	PK:-27 (dBm/MHz) ^{*1} PK:10 (dBm/MHz) ^{*2} PK:15.6 (dBm/MHz) ^{*3} PK:27 (dBm/MHz) ^{*4}	PK: 68.2(dBμV/m) ^{*1} PK:105.2 (dBμV/m) ^{*2} PK: 110.8(dBμV/m) ^{*3} PK:122.2 (dBμV/m) ^{*4}
^{*1} beyond 75 MHz or more above of the band edge. ^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. ^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. ^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.			

Note:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts).}$$

6.1.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY51210202	Dec. 01, 2020	Nov. 30, 2021
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Nov. 22, 2020	Nov. 21, 2021
Pre-Amplifier EMCI	EMC 12630 SE	980638	Apr. 07, 2021	Apr. 06, 2022
RF Cable	EMC104-SM-SM-1200	160922	Dec. 25, 2020	Dec. 24, 2021
RF Cable	EMC104-SM-SM-2000	180502	Apr. 26, 2021	Apr. 25, 2022
RF Cable	EMC104-SM-SM-6000	180418	Apr. 26, 2021	Apr. 25, 2022
Pre-Amplifier EMCI	EMC184045SE	980387	Jan. 11, 2021	Jan. 10, 2022
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170519	Nov. 22, 2020	Nov. 21, 2021
RF Cable	EMC102-KM-KM-1200	160924	Jan. 11, 2021	Jan. 10, 2022
RF Cable	EMC-KM-KM-4000	200214	Mar. 10, 2021	Mar. 09, 2022
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 4.
3. Tested Date: May 28 to June 05, 2021

6.1.3 Test Procedure

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

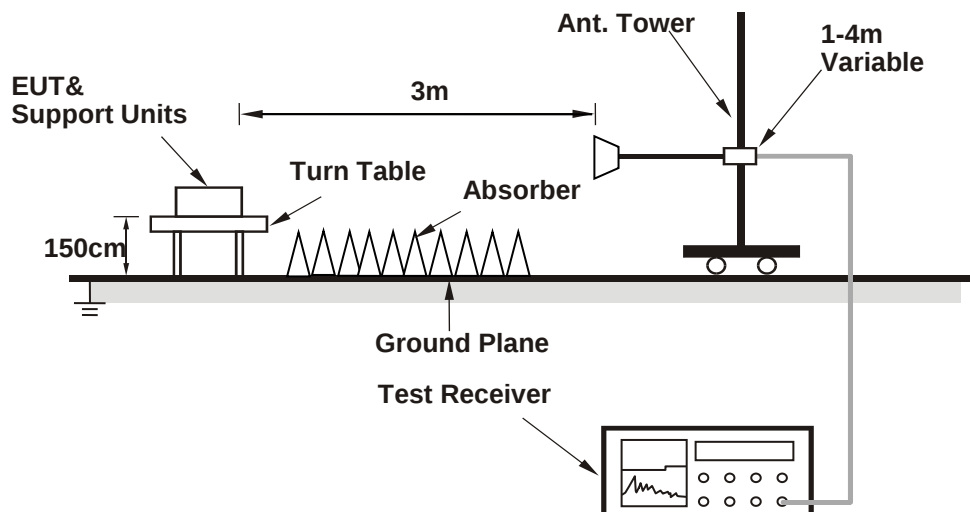
Note:

- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
- The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
- All modes of operation were investigated and the worst-case emissions are reported.

6.1.4 Deviation from Test Standard

No deviation.

6.1.5 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.1.6 EUT Operating Condition

Same as 4.1.6.

6.1.7 Test Results

For Antenna Set 1

The EUT's antenna set 3 had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Y-plane**.

ABOVE 1GHz DATA

RF Mode	TX 802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.75	63.6 PK	74.0	-10.4	4.00 H	136	62.1	1.5
2	5149.75	51.8 AV	54.0	-2.2	4.00 H	136	50.3	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.75	59.8 PK	74.0	-14.2	2.81 V	10	58.3	1.5
2	5149.75	45.8 AV	54.0	-8.2	2.81 V	10	44.3	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.05	64.6 PK	74.0	-9.4	3.98 H	142	63.3	1.3
2	5350.05	51.3 AV	54.0	-2.7	3.98 H	142	50.0	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.05	60.8 PK	74.0	-13.2	2.82 V	38	59.5	1.3
2	5350.05	46.4 AV	54.0	-7.6	2.82 V	38	45.1	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.8 PK	74.0	-17.2	4.00 H	129	55.3	1.5
2	5460.00	44.3 AV	54.0	-9.7	4.00 H	129	42.8	1.5
3	#5469.93	65.7 PK	68.2	-2.5	4.00 H	129	64.2	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.3 PK	74.0	-16.7	2.87 V	26	55.8	1.5
2	5460.00	44.6 AV	54.0	-9.4	2.87 V	26	43.1	1.5
3	#5469.93	64.5 PK	68.2	-3.7	2.87 V	26	63.0	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.42	65.8 PK	68.2	-2.4	3.88 H	41	63.8	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.42	58.2 PK	68.2	-10.0	2.77 V	16	56.2	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.85	63.8 PK	74.0	-10.2	3.96 H	57	62.3	1.5
2	5149.85	51.2 AV	54.0	-2.8	3.96 H	57	49.7	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.85	59.9 PK	74.0	-14.1	2.80 V	8	58.4	1.5
2	5149.85	45.9 AV	54.0	-8.1	2.80 V	8	44.4	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.00	64.0 PK	74.0	-10.0	4.00 H	47	62.7	1.3
2	5350.00	51.4 AV	54.0	-2.6	4.00 H	47	50.1	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.00	60.7 PK	74.0	-13.3	1.50 V	19	59.4	1.3
2	5350.00	46.3 AV	54.0	-7.7	1.50 V	19	45.0	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.9 PK	74.0	-13.1	3.88 H	48	59.4	1.5
2	5460.00	46.9 AV	54.0	-7.1	3.88 H	48	45.4	1.5
3	#5467.49	65.8 PK	68.2	-2.4	3.88 H	48	64.3	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.6 PK	74.0	-13.4	1.47 V	204	59.1	1.5
2	5460.00	46.6 AV	54.0	-7.4	1.47 V	204	45.1	1.5
3	#5467.49	58.6 PK	68.2	-9.6	1.47 V	204	57.1	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.95	65.9 PK	68.2	-2.3	3.90 H	41	63.9	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.95	59.7 PK	68.2	-8.5	1.47 V	219	57.7	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.92	63.6 PK	74.0	-10.4	3.93 H	42	62.1	1.5
2	5149.92	51.2 AV	54.0	-2.8	3.93 H	42	49.7	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.92	60.9 PK	74.0	-13.1	2.76 V	25	59.4	1.5
2	5149.92	46.4 AV	54.0	-7.6	2.76 V	25	44.9	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.07	64.2 PK	74.0	-9.8	3.91 H	54	62.9	1.3
2	5350.07	51.3 AV	54.0	-2.7	3.91 H	54	50.0	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.07	60.3 PK	74.0	-13.7	2.77 V	5	59.0	1.3
2	5350.07	46.5 AV	54.0	-7.5	2.77 V	5	45.2	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.0 PK	74.0	-16.0	3.89 H	41	56.5	1.5
2	5460.00	46.4 AV	54.0	-7.6	3.89 H	41	44.9	1.5
3	#5466.68	65.7 PK	68.2	-2.5	3.89 H	41	64.2	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.1 PK	74.0	-15.9	1.54 V	199	56.6	1.5
2	5460.00	46.4 AV	54.0	-7.6	1.54 V	199	44.9	1.5
3	#5466.68	64.1 PK	68.2	-4.1	1.54 V	199	62.6	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.50	65.9 PK	68.2	-2.3	1.04 H	136	63.9	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.50	64.4 PK	68.2	-3.8	1.51 V	219	62.4	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5148.27	64.1 PK	74.0	-9.9	3.92 H	50	62.6	1.5
2	5148.27	51.2 AV	54.0	-2.8	3.92 H	50	49.7	1.5
3	5350.00	60.0 PK	74.0	-14.0	3.92 H	50	58.7	1.3
4	5350.00	45.9 AV	54.0	-8.1	3.92 H	50	44.6	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5148.27	59.7 PK	74.0	-14.3	2.76 V	11	58.2	1.5
2	5148.27	45.8 AV	54.0	-8.2	2.76 V	11	44.3	1.5
3	5350.00	60.8 PK	74.0	-13.2	2.76 V	11	59.5	1.3
4	5350.00	46.7 AV	54.0	-7.3	2.76 V	11	45.4	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.5 PK	74.0	-13.5	3.91 H	60	59.0	1.5
2	5150.00	46.3 AV	54.0	-7.7	3.91 H	60	44.8	1.5
3	5350.00	63.8 PK	74.0	-10.2	3.91 H	60	62.5	1.3
4	5350.00	51.3 AV	54.0	-2.7	3.91 H	60	50.0	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.3 PK	74.0	-13.7	2.86 V	24	58.8	1.5
2	5150.00	46.3 AV	54.0	-7.7	2.86 V	24	44.8	1.5
3	5350.00	60.4 PK	74.0	-13.6	2.86 V	24	59.1	1.3
4	5350.00	45.9 AV	54.0	-8.1	2.86 V	24	44.6	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5459.62	61.6 PK	74.0	-12.4	3.97 H	45	60.1	1.5
2	5459.62	51.7 AV	54.0	-2.3	3.97 H	45	50.2	1.5
3	#5469.65	65.3 PK	68.2	-2.9	3.97 H	45	63.8	1.5
4	#5725.00	48.9 PK	68.2	-19.3	3.97 H	45	46.9	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5459.62	61.8 PK	74.0	-12.2	1.46 V	203	60.3	1.5
2	5459.62	51.4 AV	54.0	-2.6	1.46 V	203	49.9	1.5
3	#5469.65	64.7 PK	68.2	-3.5	1.46 V	203	63.2	1.5
4	#5725.00	48.7 PK	68.2	-19.5	1.46 V	203	46.7	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5727.85	65.8 PK	68.2	-2.4	3.94 H	49	63.8	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5727.85	64.4 PK	68.2	-3.8	1.54 V	205	62.4	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.95	65.8 PK	68.2	-2.4	3.92 H	60	64.0	1.8
2	#5646.95	65.8 PK	68.2	-2.4	3.92 H	60	64.0	1.8
3	#5929.62	60.1 PK	68.2	-8.1	3.92 H	60	57.9	2.2
4	#5929.62	60.1 PK	68.2	-8.1	3.92 H	60	57.9	2.2

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.23	60.2 PK	68.2	-8.0	1.52 V	220	58.4	1.8
2	#5647.23	60.2 PK	68.2	-8.0	1.52 V	220	58.4	1.8
3	#5948.12	58.8 PK	68.2	-9.4	1.52 V	220	56.5	2.3
4	#5948.12	58.8 PK	68.2	-9.4	1.52 V	220	56.5	2.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE160)	Channel	CH 50 : 5250 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5117.65	63.9 PK	74.0	-10.1	3.94 H	52	62.4	1.5
2	5117.65	51.4 AV	54.0	-2.6	3.94 H	52	49.9	1.5
3	5350.00	60.7 PK	74.0	-13.3	3.94 H	52	59.4	1.3
4	5350.00	46.5 AV	54.0	-7.5	3.94 H	52	45.2	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5117.65	60.7 PK	74.0	-13.3	2.81 V	12	59.2	1.5
2	5117.65	46.2 AV	54.0	-7.8	2.81 V	12	44.7	1.5
3	5350.00	59.9 PK	74.0	-14.1	2.81 V	12	58.6	1.3
4	5350.00	45.8 AV	54.0	-8.2	2.81 V	12	44.5	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE160)	Channel	CH 114 : 5570 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.3 PK	74.0	-10.7	3.92 H	50	61.8	1.5
2	5460.00	48.5 AV	54.0	-5.5	3.92 H	50	47.0	1.5
3	#5463.71	67.7 PK	68.2	-0.5	3.92 H	50	66.2	1.5
4	#5725.00	59.3 PK	68.2	-8.9	3.92 H	50	57.3	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.5 PK	74.0	-12.5	2.80 V	12	60.0	1.5
2	5460.00	47.2 AV	54.0	-6.8	2.80 V	12	45.7	1.5
3	#5463.71	60.3 PK	68.2	-7.9	2.80 V	12	58.8	1.5
4	#5725.00	58.4 PK	68.2	-9.8	2.80 V	12	56.4	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

20MHz Preamble

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 36 : 5180 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.70	71.2 PK	74.0	-2.8	3.76 H	320	69.7	1.5
2	5149.70	45.4 AV	54.0	-8.6	3.76 H	320	43.9	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.70	62.1 PK	74.0	-11.9	3.14 V	208	60.6	1.5
2	5149.70	40.5 AV	54.0	-13.5	3.14 V	208	39.0	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 40 : 5200 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.80	71.1 PK	74.0	-2.9	3.79 H	323	69.6	1.5
2	5149.80	45.9 AV	54.0	-8.1	3.79 H	323	44.4	1.5
3	5350.00	62.3 PK	74.0	-11.7	3.79 H	323	61.0	1.3
4	5350.00	40.5 AV	54.0	-13.5	3.79 H	323	39.2	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.80	62.6 PK	74.0	-11.4	3.15 V	219	61.1	1.5
2	5149.80	40.8 AV	54.0	-13.2	3.15 V	219	39.3	1.5
3	5350.00	62.4 PK	74.0	-11.6	3.15 V	219	61.1	1.3
4	5350.00	40.7 AV	54.0	-13.3	3.15 V	219	39.4	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 60 : 5300 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.4 PK	74.0	-11.6	3.82 H	303	60.9	1.5
2	5150.00	40.4 AV	54.0	-13.6	3.82 H	303	38.9	1.5
3	5350.20	71.4 PK	74.0	-2.6	3.82 H	303	70.1	1.3
4	5350.20	45.3 AV	54.0	-8.7	3.82 H	303	44.0	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.9 PK	74.0	-12.1	3.20 V	208	60.4	1.5
2	5150.00	40.1 AV	54.0	-13.9	3.20 V	208	38.6	1.5
3	5350.20	61.9 PK	74.0	-12.1	3.20 V	208	60.6	1.3
4	5350.20	40.2 AV	54.0	-13.8	3.20 V	208	38.9	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 64 : 5320 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5351.25	71.2 PK	74.0	-2.8	3.80 H	324	69.9	1.3
2	5351.25	45.1 AV	54.0	-8.9	3.80 H	324	43.8	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5351.25	62.4 PK	74.0	-11.6	3.18 V	200	61.1	1.3
2	5351.25	40.8 AV	54.0	-13.2	3.18 V	200	39.5	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 100 : 5500 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.4 PK	74.0	-11.6	3.77 H	315	60.9	1.5
2	5460.00	40.7 AV	54.0	-13.3	3.77 H	315	39.2	1.5
3	#5469.40	65.9 PK	68.2	-2.3	3.77 H	315	64.4	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.9 PK	74.0	-12.1	3.18 V	199	60.4	1.5
2	5460.00	40.1 AV	54.0	-13.9	3.18 V	199	38.6	1.5
3	#5469.40	62.0 PK	68.2	-6.2	3.18 V	199	60.5	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 116 : 5580 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.00	62.1 PK	74.0	-11.9	3.78 H	314	60.8	1.3
2	5350.00	40.6 AV	54.0	-13.4	3.78 H	314	39.3	1.3
3	#5469.15	65.7 PK	68.2	-2.5	3.78 H	314	64.2	1.5
4	#5725.00	61.8 PK	68.2	-6.4	3.78 H	314	59.8	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.00	62.0 PK	74.0	-12.0	3.10 V	203	60.7	1.3
2	5350.00	40.2 AV	54.0	-13.8	3.10 V	203	38.9	1.3
3	#5469.15	62.6 PK	68.2	-5.6	3.10 V	203	61.1	1.5
4	#5725.00	62.1 PK	68.2	-6.1	3.10 V	203	60.1	2.0
5	#5725.00	40.8 AV	54.0	-13.2	3.10 V	203	38.8	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 140 : 5700 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.22	65.8 PK	68.2	-2.4	3.82 H	330	63.8	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.22	62.0 PK	68.2	-6.2	3.18 V	198	60.0	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 149 : 5745 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5635.77	66.1 PK	68.2	-2.1	4.00 H	49	64.3	1.8
2	#5635.77	66.1 PK	68.2	-2.1	4.00 H	49	64.3	1.8
3	#6008.11	50.4 PK	68.2	-17.8	4.00 H	49	48.1	2.3
4	#6008.11	50.4 PK	68.2	-17.8	4.00 H	49	48.1	2.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.44	60.1 PK	68.2	-8.1	1.62 V	351	58.3	1.8
2	#5650.44	60.1 PK	68.5	-8.4	1.62 V	351	58.3	1.8
3	#6006.26	49.5 PK	68.2	-18.7	1.62 V	351	47.2	2.3
4	#6006.26	49.5 PK	68.2	-18.7	1.62 V	351	47.2	2.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 165 : 5825 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.18	49.3 PK	68.2	-18.9	4.00 H	53	47.5	1.8
2	#5626.18	49.3 PK	68.2	-18.9	4.00 H	53	47.5	1.8
3	#5934.38	65.8 PK	68.2	-2.4	4.00 H	53	63.6	2.2
4	#5934.38	65.8 PK	68.2	-2.4	4.00 H	53	63.6	2.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.18	49.7 PK	68.2	-18.5	1.68 V	331	47.9	1.8
2	#5922.99	64.1 PK	68.2	-4.1	1.68 V	331	61.9	2.2
3	#5922.99	64.1 PK	69.7	-5.6	1.68 V	331	61.9	2.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 36 : 5180 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.60	71.1 PK	74.0	-2.9	3.94 H	45	69.6	1.5
2	5149.60	51.1 AV	54.0	-2.9	3.94 H	45	49.6	1.5
3	5149.82	70.2 PK	74.0	-3.8	3.94 H	45	68.7	1.5
4	5149.82	50.7 AV	54.0	-3.3	3.94 H	45	49.2	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.60	62.3 PK	74.0	-11.7	3.17 V	196	60.8	1.5
2	5149.60	40.7 AV	54.0	-13.3	3.17 V	196	39.2	1.5
3	5149.82	62.6 PK	74.0	-11.4	3.17 V	196	61.1	1.5
4	5149.82	41.1 AV	54.0	-12.9	3.17 V	196	39.6	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 40 : 5200 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5142.65	71.2 PK	74.0	-2.8	3.88 H	31	69.7	1.5
2	5142.65	45.9 AV	54.0	-8.1	3.88 H	31	44.4	1.5
3	5350.00	62.1 PK	74.0	-11.9	3.88 H	31	60.8	1.3
4	5350.00	40.5 AV	54.0	-13.5	3.88 H	31	39.2	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5142.65	61.6 PK	74.0	-12.4	3.17 V	195	60.1	1.5
2	5142.65	40.3 AV	54.0	-13.7	3.17 V	195	38.8	1.5
3	5350.00	62.6 PK	74.0	-11.4	3.17 V	195	61.3	1.3
4	5350.00	40.9 AV	54.0	-13.1	3.17 V	195	39.6	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 60 : 5300 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.1 PK	74.0	-11.9	3.94 H	30	60.6	1.5
2	5150.00	40.6 AV	54.0	-13.4	3.94 H	30	39.1	1.5
3	5354.80	71.3 PK	74.0	-2.7	3.94 H	30	70.0	1.3
4	5354.80	45.8 AV	54.0	-8.2	3.94 H	30	44.5	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.2 PK	74.0	-11.8	3.18 V	189	60.7	1.5
2	5150.00	40.9 AV	54.0	-13.1	3.18 V	189	39.4	1.5
3	5354.80	62.2 PK	74.0	-11.8	3.18 V	189	60.9	1.3
4	5354.80	40.5 AV	54.0	-13.5	3.18 V	189	39.2	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 64 : 5320 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.00	71.2 PK	74.0	-2.8	3.84 H	44	69.9	1.3
2	5350.00	45.9 AV	54.0	-8.1	3.84 H	44	44.6	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.00	62.4 PK	74.0	-11.6	3.13 V	208	61.1	1.3
2	5350.00	40.8 AV	54.0	-13.2	3.13 V	208	39.5	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 100 : 5500 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.9 PK	74.0	-12.1	3.95 H	55	60.4	1.5
2	5460.00	40.2 AV	54.0	-13.8	3.95 H	55	38.7	1.5
3	#5462.06	66.0 PK	68.2	-2.2	3.95 H	55	64.5	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.2 PK	74.0	-11.8	3.13 V	196	60.7	1.5
2	5460.00	40.4 AV	54.0	-13.6	3.13 V	196	38.9	1.5
3	#5462.06	61.9 PK	68.2	-6.3	3.13 V	196	60.4	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 116 : 5580 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.00	62.0 PK	74.0	-12.0	3.90 H	44	60.7	1.3
2	5350.00	46.0 AV	54.0	-8.0	3.90 H	44	44.7	1.3
3	#5466.00	66.1 PK	68.2	-2.1	3.90 H	44	64.6	1.5
4	#5725.00	61.9 PK	68.2	-6.3	3.90 H	44	59.9	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.00	62.3 PK	74.0	-11.7	3.21 V	200	61.0	1.3
2	5350.00	40.5 AV	54.0	-13.5	3.21 V	200	39.2	1.3
3	#5466.00	62.0 PK	68.2	-6.2	3.21 V	200	60.5	1.5
4	#5725.00	62.4 PK	68.2	-5.8	3.21 V	200	60.4	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 140 : 5700 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.85	65.9 PK	68.2	-2.3	3.86 H	52	63.9	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.85	62.7 PK	68.2	-5.5	3.14 V	204	60.7	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 144 : 5720 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.4 PK	74.0	-11.6	3.91 H	48	60.9	1.5
2	5460.00	40.9 AV	54.0	-13.1	3.91 H	48	39.4	1.5
3	#5470.00	61.6 PK	68.2	-6.6	3.91 H	48	60.1	1.5
4	#5850.36	65.8 PK	68.2	-2.4	3.91 H	48	63.5	2.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.1 PK	74.0	-11.9	3.20 V	196	60.6	1.5
2	5460.00	40.3 AV	54.0	-13.7	3.20 V	196	38.8	1.5
3	#5470.00	62.0 PK	68.2	-6.2	3.20 V	196	60.5	1.5
4	#5850.36	62.6 PK	68.2	-5.6	3.20 V	196	60.3	2.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 149 : 5745 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.96	65.9 PK	68.2	-2.3	3.94 H	48	64.1	1.8
2	#5641.96	65.9 PK	68.2	-2.3	3.94 H	48	64.1	1.8
3	#6013.31	49.7 PK	68.2	-18.5	3.94 H	48	47.4	2.3
4	#6013.31	49.7 PK	68.2	-18.5	3.94 H	48	47.4	2.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.96	57.5 PK	68.2	-10.7	1.66 V	349	55.7	1.8
2	#5650.96	57.5 PK	68.9	-11.4	1.66 V	349	55.7	1.8
3	#6015.55	50.0 PK	68.2	-18.2	1.66 V	349	47.7	2.3
4	#6015.55	50.0 PK	68.2	-18.2	1.66 V	349	47.7	2.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 165 : 5825 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.43	49.0 PK	68.2	-19.2	3.94 H	52	47.2	1.8
2	#5647.43	49.0 PK	68.2	-19.2	3.94 H	52	47.2	1.8
3	#5927.80	65.9 PK	68.2	-2.3	3.94 H	52	63.7	2.2
4	#5927.80	65.9 PK	68.2	-2.3	3.94 H	52	63.7	2.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5616.76	50.7 PK	68.2	-17.5	1.62 V	342	48.9	1.8
2	#5616.76	50.7 PK	68.2	-17.5	1.62 V	342	48.9	1.8
3	#5940.33	59.8 PK	68.2	-8.4	1.62 V	342	57.5	2.3
4	#5940.33	59.8 PK	68.2	-8.4	1.62 V	342	57.5	2.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

40MHz Preamble

RF Mode	TX 40MHz Preamble 802.11ax (RU242)	Channel	CH 38 : 5190 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5148.25	71.2 PK	74.0	-2.8	3.90 H	35	69.7	1.5
2	5148.25	45.6 AV	54.0	-8.4	3.90 H	35	44.1	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5148.25	61.9 PK	74.0	-12.1	3.12 V	183	60.4	1.5
2	5148.25	40.5 AV	54.0	-13.5	3.12 V	183	39.0	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU242)	Channel	CH 46 : 5230 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5138.05	71.1 PK	74.0	-2.9	3.95 H	45	69.6	1.5
2	5138.05	40.9 AV	54.0	-13.1	3.95 H	45	39.4	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5138.05	62.5 PK	74.0	-11.5	3.16 V	203	61.0	1.5
2	5138.05	40.8 AV	54.0	-13.2	3.16 V	203	39.3	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU242)	Channel	CH 54 : 5270 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5351.62	71.3 PK	74.0	-2.7	3.96 H	60	70.0	1.3
2	5351.62	40.4 AV	54.0	-13.6	3.96 H	60	39.1	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5351.62	62.6 PK	74.0	-11.4	3.13 V	199	61.3	1.3
2	5351.62	41.1 AV	54.0	-12.9	3.13 V	199	39.8	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU242)	Channel	CH 62 : 5310 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5352.05	71.3 PK	74.0	-2.7	3.91 H	48	70.0	1.3
2	5352.05	46.4 AV	54.0	-7.6	3.91 H	48	45.1	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5352.05	62.0 PK	74.0	-12.0	3.16 V	208	60.7	1.3
2	5352.05	40.7 AV	54.0	-13.3	3.16 V	208	39.4	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU242)	Channel	CH 102 : 5510 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.5 PK	74.0	-12.5	3.96 H	38	60.0	1.5
2	5460.00	43.7 AV	54.0	-10.3	3.96 H	38	42.2	1.5
3	#5469.37	65.7 PK	68.2	-2.5	3.96 H	38	64.2	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.2 PK	74.0	-11.8	3.18 V	186	60.7	1.5
2	5460.00	40.6 AV	54.0	-13.4	3.18 V	186	39.1	1.5
3	#5469.37	62.0 PK	68.2	-6.2	3.18 V	186	60.5	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 40MHz Preamble 802.11ax (RU242)	Channel	CH 110 : 5550 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.1 PK	74.0	-9.9	3.91 H	66	62.6	1.5
2	5460.00	42.0 AV	54.0	-12.0	3.91 H	66	40.5	1.5
3	#5470.00	65.7 PK	68.2	-2.5	3.91 H	66	64.2	1.5
4	#5725.00	51.7 PK	68.2	-16.5	3.91 H	66	49.7	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.0 PK	74.0	-12.0	3.19 V	188	60.5	1.5
2	5460.00	40.4 AV	54.0	-13.6	3.19 V	188	38.9	1.5
3	#5470.00	62.9 PK	68.2	-5.3	3.19 V	188	61.4	1.5
4	#5725.00	61.9 PK	68.2	-6.3	3.19 V	188	59.9	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 40MHz Preamble 802.11ax (RU242)	Channel	CH 134 : 5670 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.55	65.9 PK	68.2	-2.3	3.88 H	53	63.9	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.55	62.2 PK	68.2	-6.0	3.23 V	199	60.2	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 40MHz Preamble 802.11ax (RU242)	Channel	CH 142 : 5710 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.9 PK	74.0	-9.1	3.90 H	39	63.4	1.5
2	5460.00	40.7 AV	54.0	-13.3	3.90 H	39	39.2	1.5
3	#5470.00	64.2 PK	68.2	-4.0	3.90 H	39	62.7	1.5
4	#5859.77	65.8 PK	68.2	-2.4	3.90 H	39	63.5	2.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.5 PK	74.0	-11.5	3.13 V	184	61.0	1.5
2	5460.00	40.6 AV	54.0	-13.4	3.13 V	184	39.1	1.5
3	#5470.00	62.7 PK	68.2	-5.5	3.13 V	184	61.2	1.5
4	#5859.77	62.1 PK	68.2	-6.1	3.13 V	184	59.8	2.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 40MHz Preamble 802.11ax (RU242)	Channel	CH 151 : 5755 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.37	65.7 PK	68.2	-2.5	3.96 H	59	63.9	1.8
2	#5929.28	55.5 PK	68.2	-12.7	3.96 H	59	53.3	2.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5605.34	61.0 PK	68.2	-7.2	1.68 V	335	59.3	1.7
2	#5928.02	52.6 PK	68.2	-15.6	1.68 V	335	50.4	2.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 40MHz Preamble 802.11ax (RU242)	Channel	CH 159 : 5795 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.15	63.9 PK	68.2	-4.3	3.92 H	50	62.1	1.8
2	#5926.34	65.8 PK	68.2	-2.4	3.92 H	50	63.6	2.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5651.44	62.3 PK	68.2	-5.9	1.70 V	358	60.5	1.8
2	#5928.49	61.2 PK	68.2	-7.0	1.70 V	358	59.0	2.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 38 : 5190 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5148.62	69.8 PK	74.0	-4.2	3.93 H	53	68.3	1.5
2	5148.62	49.8 AV	54.0	-4.2	3.93 H	53	48.3	1.5
3	5149.10	71.1 PK	74.0	-2.9	3.93 H	53	69.6	1.5
4	5149.10	50.1 AV	54.0	-3.9	3.93 H	53	48.6	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5148.62	62.7 PK	74.0	-11.3	3.13 V	183	61.2	1.5
2	5148.62	41.2 AV	54.0	-12.8	3.13 V	183	39.7	1.5
3	5149.10	62.3 PK	74.0	-11.7	3.13 V	183	60.8	1.5
4	5149.10	40.8 AV	54.0	-13.2	3.13 V	183	39.3	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 46 : 5230 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5146.17	71.2 PK	74.0	-2.8	3.97 H	67	69.7	1.5
2	5146.17	50.0 AV	54.0	-4.0	3.97 H	67	48.5	1.5
3	5350.00	62.1 PK	74.0	-11.9	3.97 H	67	60.8	1.3
4	5350.00	40.2 AV	54.0	-13.8	3.97 H	67	38.9	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5146.17	62.6 PK	74.0	-11.4	3.08 V	195	61.1	1.5
2	5146.17	41.1 AV	54.0	-12.9	3.08 V	195	39.6	1.5
3	5350.00	61.7 PK	74.0	-12.3	3.08 V	195	60.4	1.3
4	5350.00	40.3 AV	54.0	-13.7	3.08 V	195	39.0	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 54 : 5270 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.6 PK	74.0	-11.4	3.91 H	47	61.1	1.5
2	5150.00	40.4 AV	54.0	-13.6	3.91 H	47	38.9	1.5
3	5352.42	71.1 PK	74.0	-2.9	3.91 H	47	69.8	1.3
4	5352.42	45.6 AV	54.0	-8.4	3.91 H	47	44.3	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.2 PK	74.0	-11.8	3.09 V	189	60.7	1.5
2	5150.00	40.7 AV	54.0	-13.3	3.09 V	189	39.2	1.5
3	5352.42	62.0 PK	74.0	-12.0	3.09 V	189	60.7	1.3
4	5352.42	40.4 AV	54.0	-13.6	3.09 V	189	39.1	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 62 : 5310 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.22	71.3 PK	74.0	-2.7	3.89 H	46	70.0	1.3
2	5350.22	44.7 AV	54.0	-9.3	3.89 H	46	43.4	1.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5350.22	61.8 PK	74.0	-12.2	3.18 V	196	60.5	1.3
2	5350.22	40.6 AV	54.0	-13.4	3.18 V	196	39.3	1.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 102 : 5510 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.9 PK	74.0	-12.1	3.89 H	46	60.4	1.5
2	5460.00	40.0 AV	54.0	-14.0	3.89 H	46	38.5	1.5
3	#5469.31	65.9 PK	68.2	-2.3	3.89 H	46	64.4	1.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.7 PK	74.0	-11.3	3.18 V	173	61.2	1.5
2	5460.00	41.3 AV	54.0	-12.7	3.18 V	173	39.8	1.5
3	#5469.31	62.4 PK	68.2	-5.8	3.18 V	173	60.9	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 110 : 5550 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.9 PK	74.0	-10.1	3.89 H	55	62.4	1.5
2	5460.00	41.8 AV	54.0	-12.2	3.89 H	55	40.3	1.5
3	#5467.96	66.1 PK	68.2	-2.1	3.89 H	55	64.6	1.5
4	#5725.00	62.0 PK	68.2	-6.2	3.89 H	55	60.0	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.6 PK	74.0	-12.4	3.11 V	192	60.1	1.5
2	5460.00	40.4 AV	54.0	-13.6	3.11 V	192	38.9	1.5
3	#5467.96	62.9 PK	68.2	-5.3	3.11 V	192	61.4	1.5
4	#5725.00	62.2 PK	68.2	-6.0	3.11 V	192	60.2	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 134 : 5670 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.87	65.7 PK	68.2	-2.5	3.97 H	65	63.7	2.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5725.87	62.4 PK	68.2	-5.8	3.11 V	185	60.4	2.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 142 : 5710 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.0 PK	74.0	-10.0	3.94 H	51	62.5	1.5
2	5460.00	42.1 AV	54.0	-11.9	3.94 H	51	40.6	1.5
3	#5470.00	63.7 PK	68.2	-4.5	3.94 H	51	62.2	1.5
4	#5852.12	65.9 PK	68.2	-2.3	3.94 H	51	63.6	2.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.6 PK	74.0	-11.4	3.10 V	180	61.1	1.5
2	5460.00	41.0 AV	54.0	-13.0	3.10 V	180	39.5	1.5
3	#5470.00	62.2 PK	68.2	-6.0	3.10 V	180	60.7	1.5
4	#5850.00	61.6 PK	68.2	-6.6	3.10 V	180	59.3	2.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 151 : 5755 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.39	66.1 PK	68.2	-2.1	3.88 H	49	64.3	1.8
2	#5931.72	59.4 PK	68.2	-8.8	3.88 H	49	57.2	2.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5636.03	62.5 PK	68.2	-5.7	1.65 V	347	60.7	1.8
2	#5927.91	51.9 PK	68.2	-16.3	1.65 V	347	49.7	2.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 159 : 5795 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.89	66.1 PK	68.2	-2.1	3.91 H	58	64.3	1.8
2	#5945.30	65.6 PK	68.2	-2.6	3.91 H	58	63.3	2.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.21	60.1 PK	68.2	-8.1	1.62 V	334	58.3	1.8
2	#5951.76	59.5 PK	68.2	-8.7	1.62 V	334	57.2	2.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.