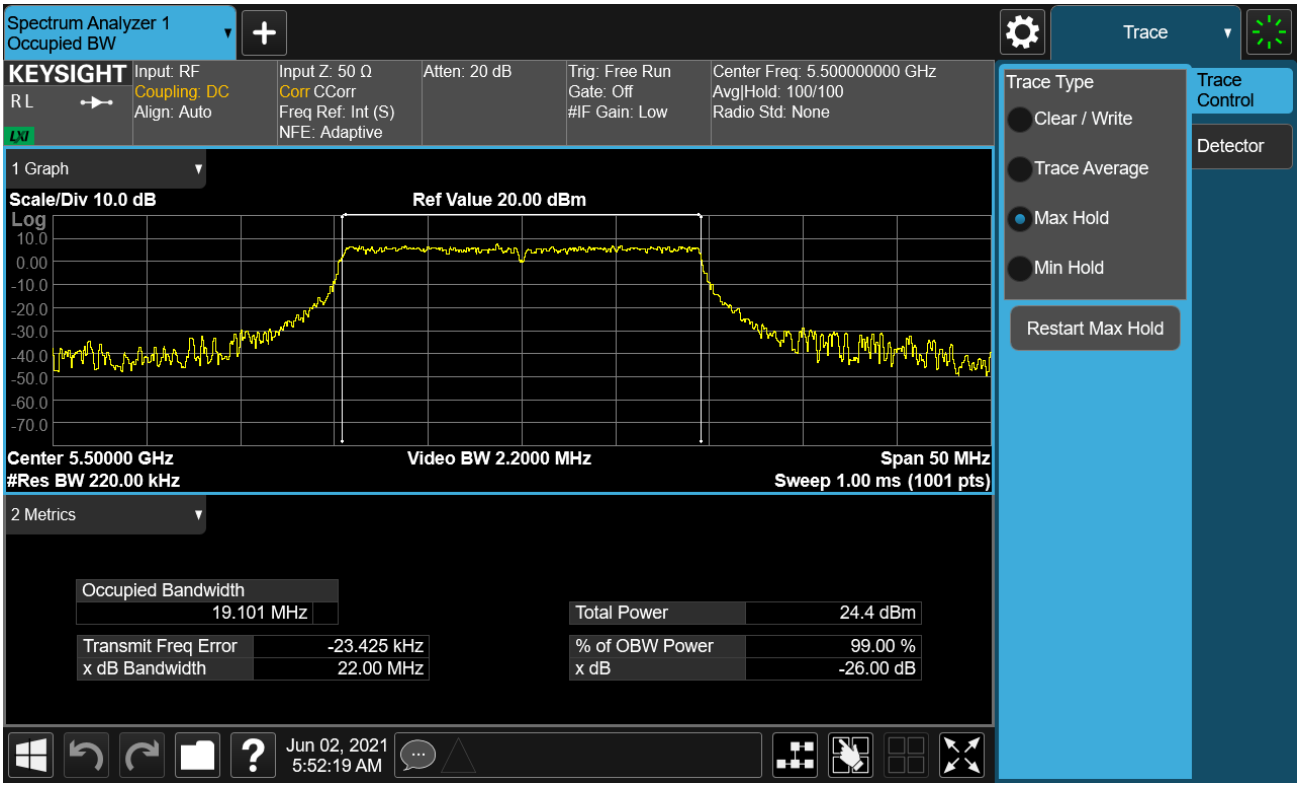
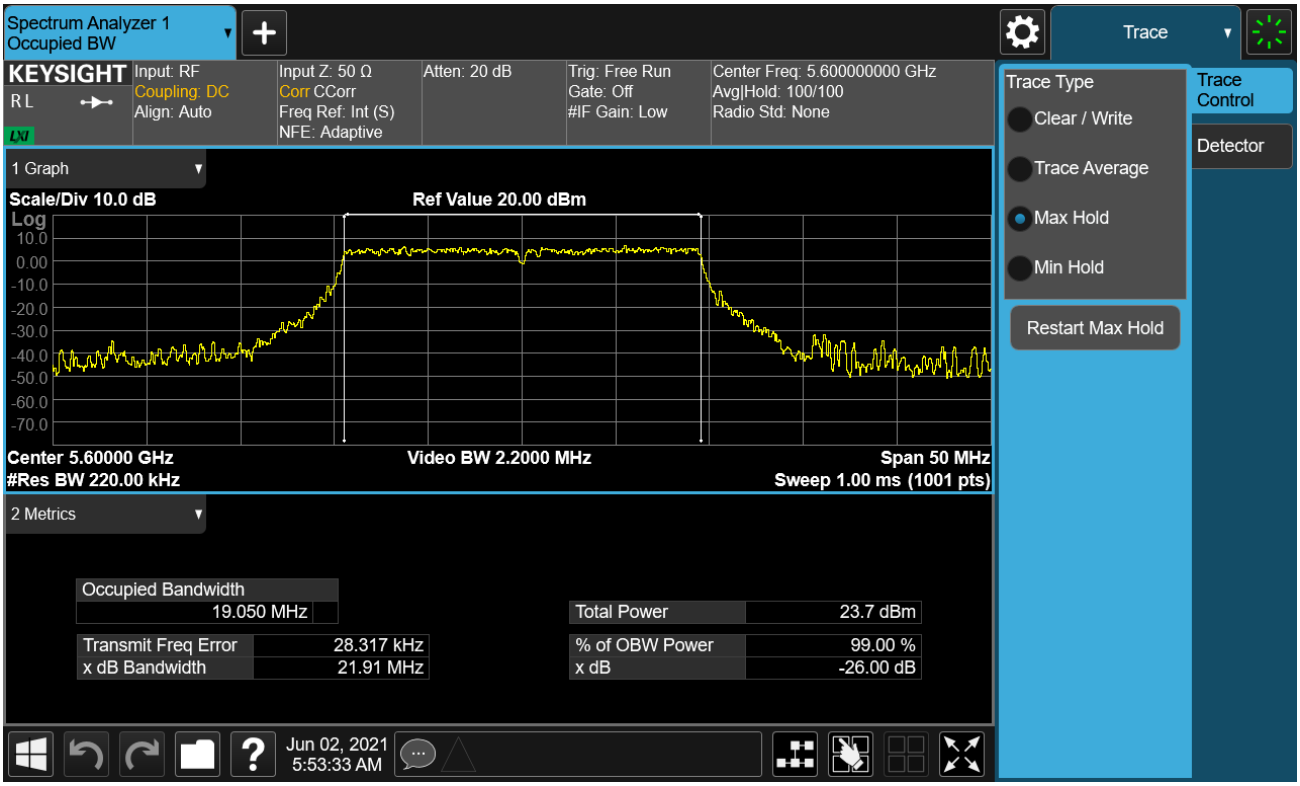
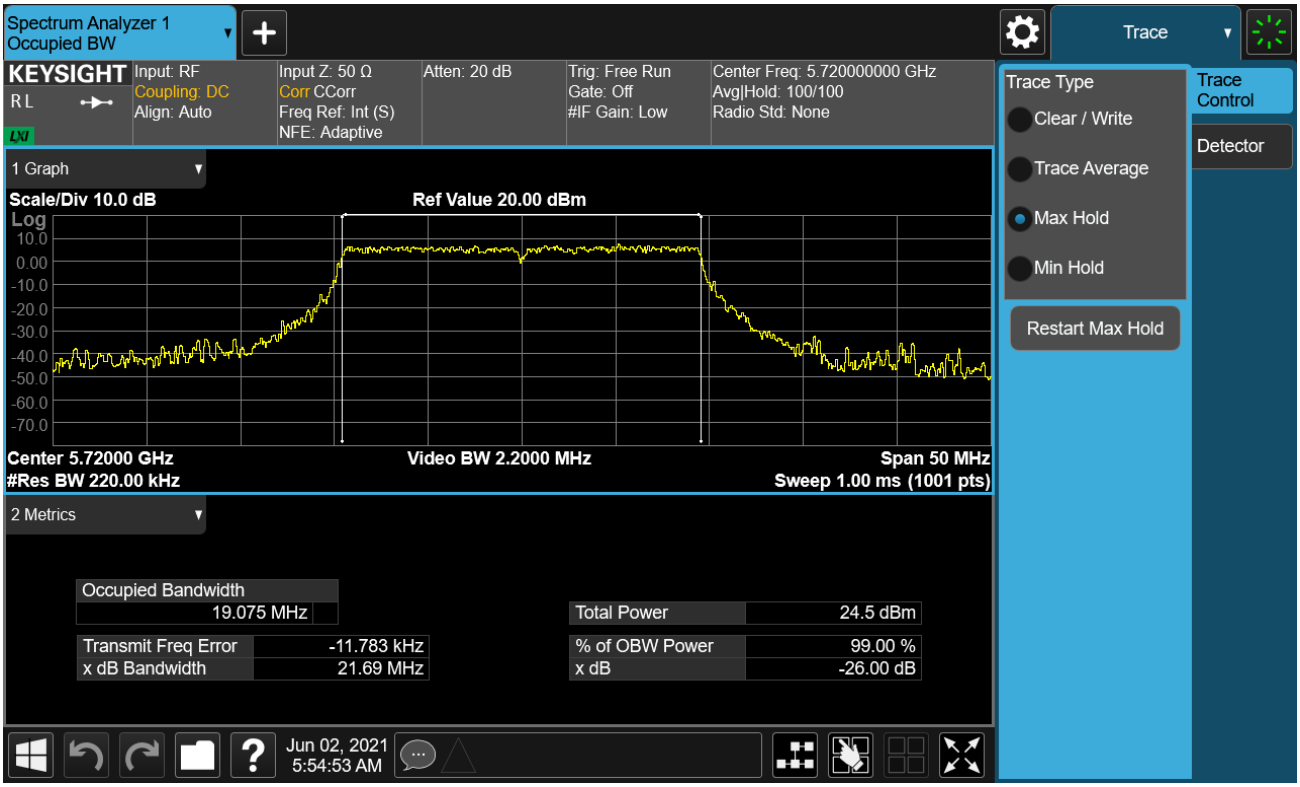


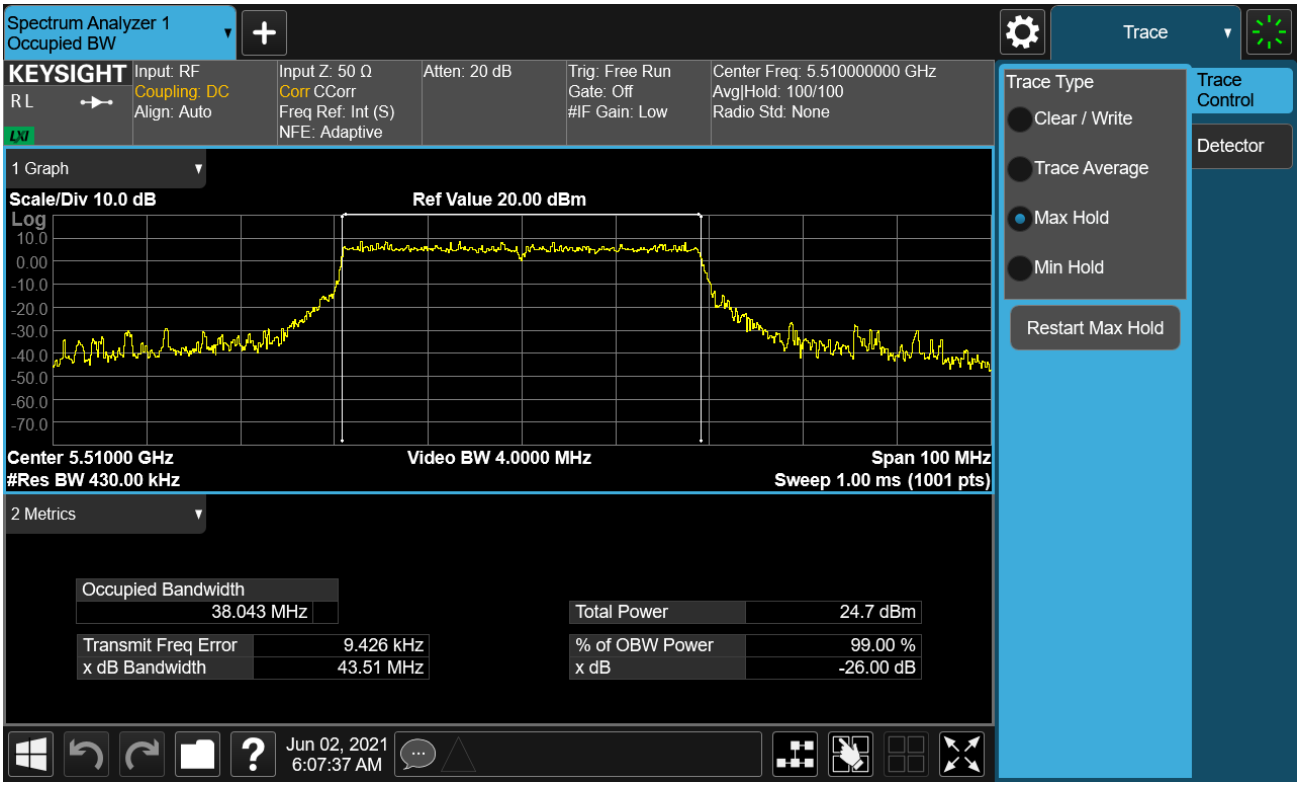
Plot 7-90. 26dB Bandwidth Plot SISO NORTH (20MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 100)



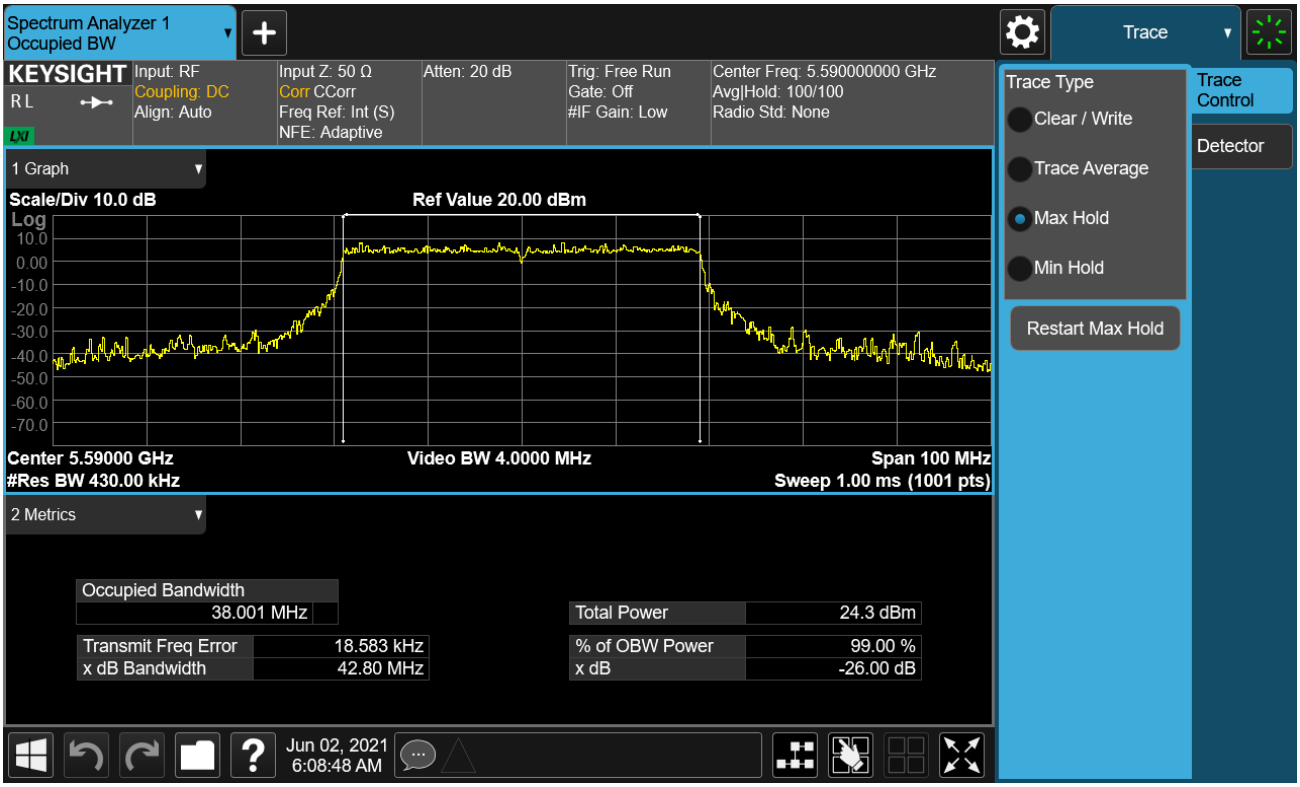
Plot 7-91. 26dB Bandwidth Plot SISO NORTH (20MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 120)



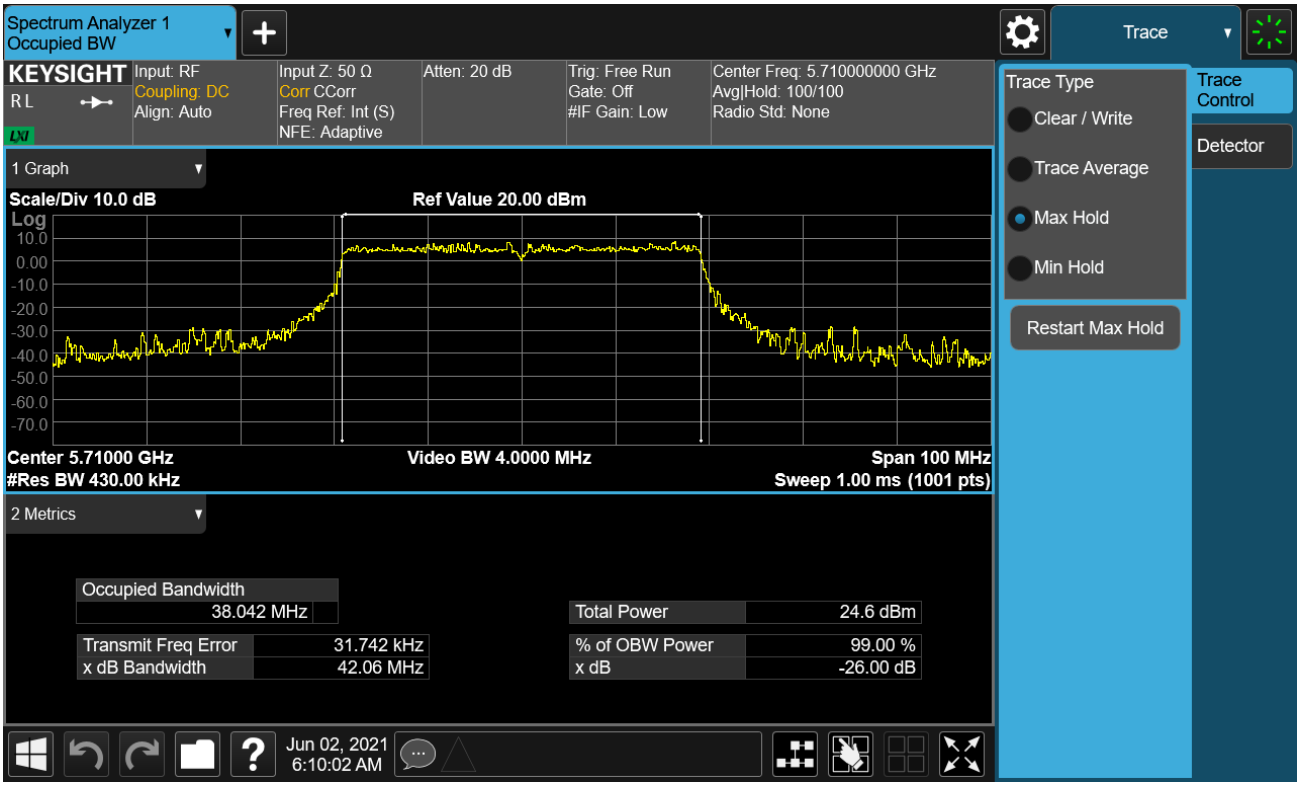
Plot 7-92. 26dB Bandwidth Plot SISO NORTH (20MHz BW 802.11ax – 242 Tones (UNII Band 2C) – Ch. 144)



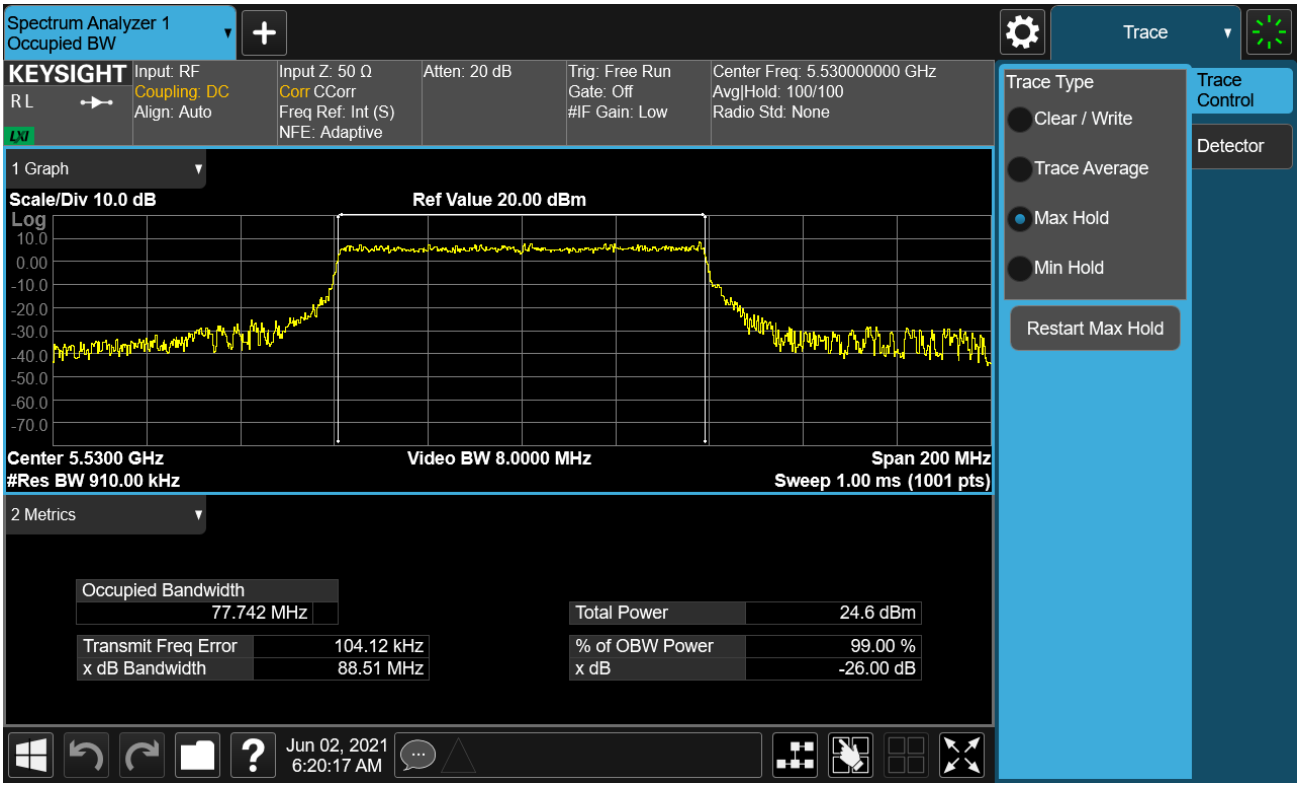
Plot 7-93. 26dB Bandwidth Plot SISO NORTH (40MHz BW 802.11ax – 484 Tones (UNII Band 2C) – Ch. 102)



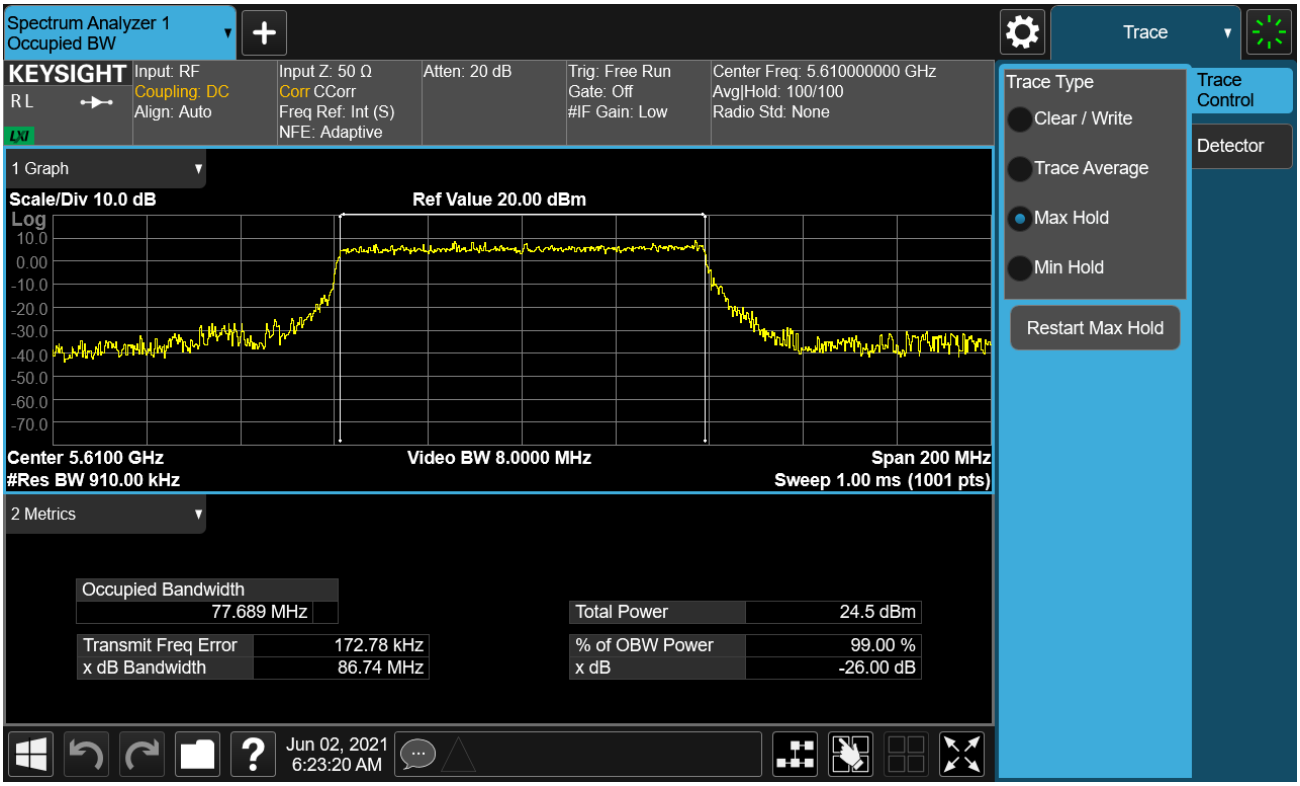
Plot 7-94. 26dB Bandwidth Plot SISO NORTH (40MHz BW 802.11ax – 484 Tones (UNII Band 2C) – Ch. 118)



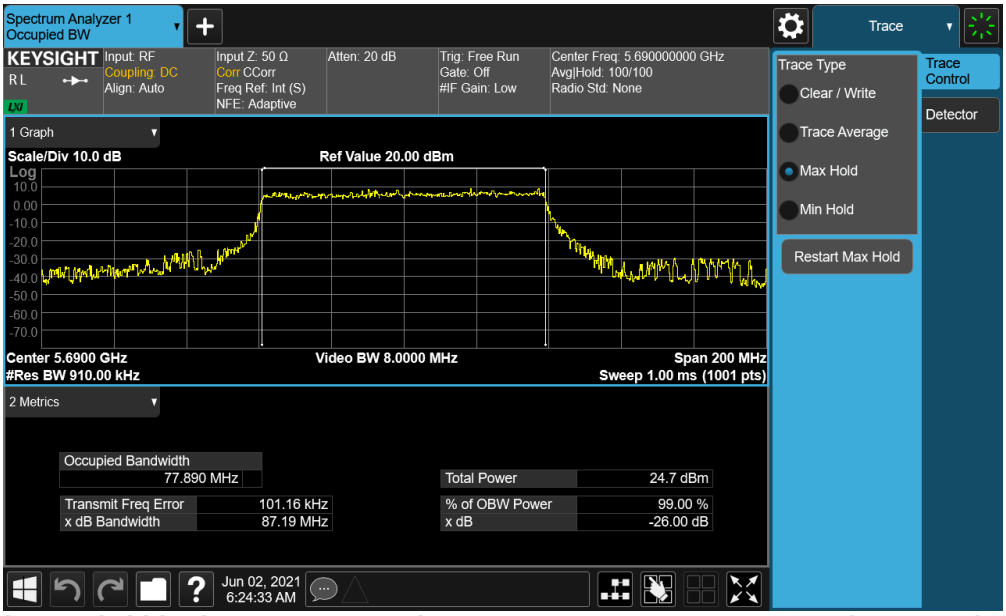
Plot 7-95. 26dB Bandwidth Plot SISO NORTH (40MHz BW 802.11ax – 484 Tones (UNII Band 2C) – Ch. 142)



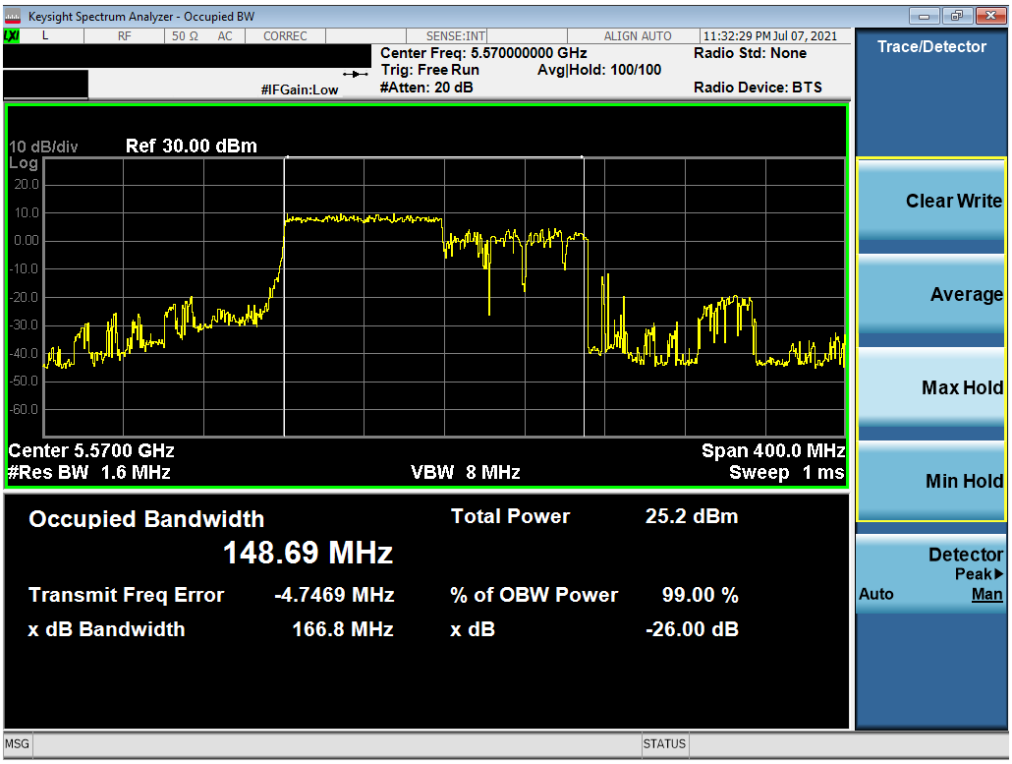
Plot 7-96. 26dB Bandwidth Plot SISO NORTH (80MHz BW 802.11ax – 996 Tones (UNII Band 2C) – Ch. 106)



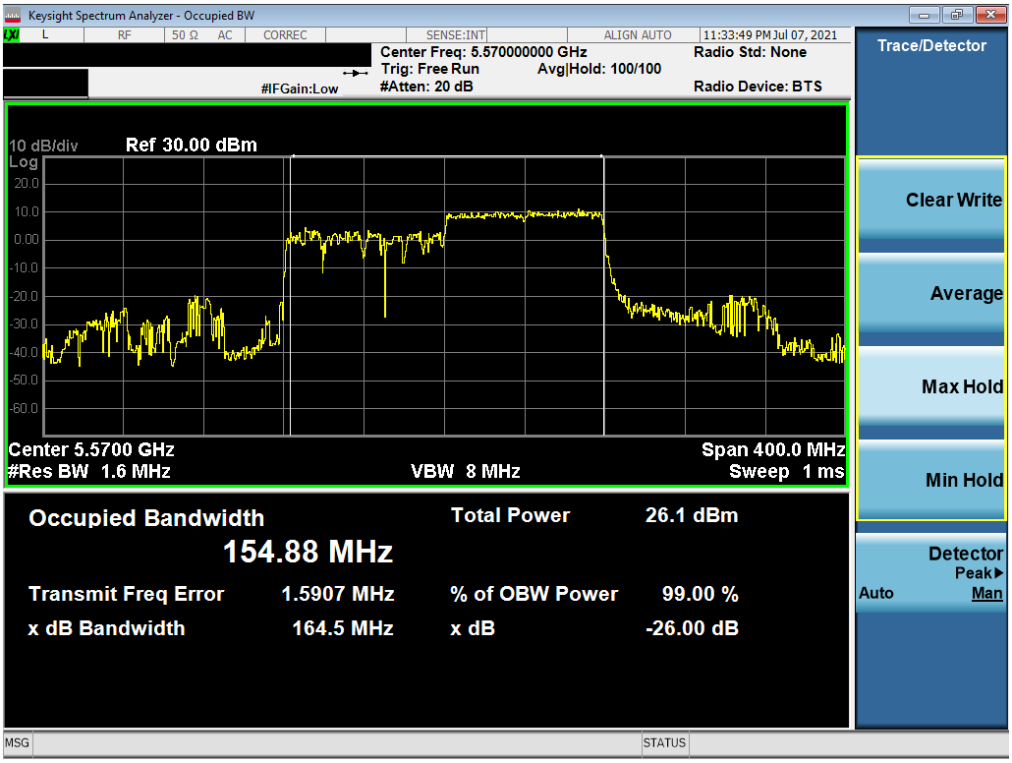
Plot 7-97. 26dB Bandwidth Plot SISO NORTH (80MHz BW 802.11ax – 996 Tones (UNII Band 2C) – Ch. 122)



Plot 7-98. 26dB Bandwidth Plot SISO NORTH (80MHz BW 802.11ax – 996 Tones (UNII Band 2C) – Ch. 138)



Plot 7-99. 26dB Bandwidth Plot SISO NORTH (160MHz BW (L) 802.11ax – 996 Tones (UNII Band 2C) – Ch. 114)



Plot 7-100. 26dB Bandwidth Plot SISO NORTH (160MHz BW (U) 802.11ax – 996 Tones (UNII Band 2C) – Ch. 114)

7.3 6dB Bandwidth Measurement – 802.11ax OFDMA

§15.407 (e); RSS-Gen [6.7]

Test Overview and Limit

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. The spectrum analyzer's bandwidth measurement function is configured to measure the 6dB bandwidth.

In the 5.725 – 5.850GHz band, the 6dB bandwidth must be ≥ 500 kHz.

Test Procedure Used

ANSI C63.10-2013 – Section 6.9.2
KDB 789033 D02 v02r01 – Section C

Test Settings

1. The signal analyzers' automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 6. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 100 kHz
3. VBW ≥ 3 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

Figure 7-2. Test Instrument & Measurement Setup

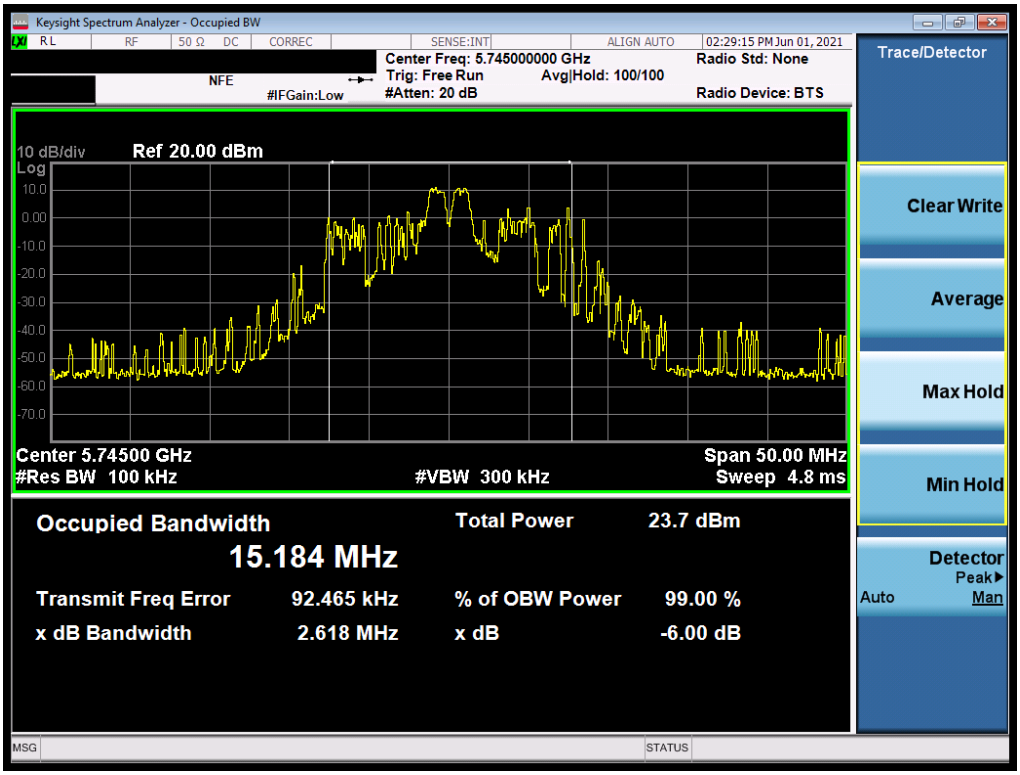
Test Notes

The 6dB Bandwidth measurement for each channel was measured with the RU index showing the highest conducted power.

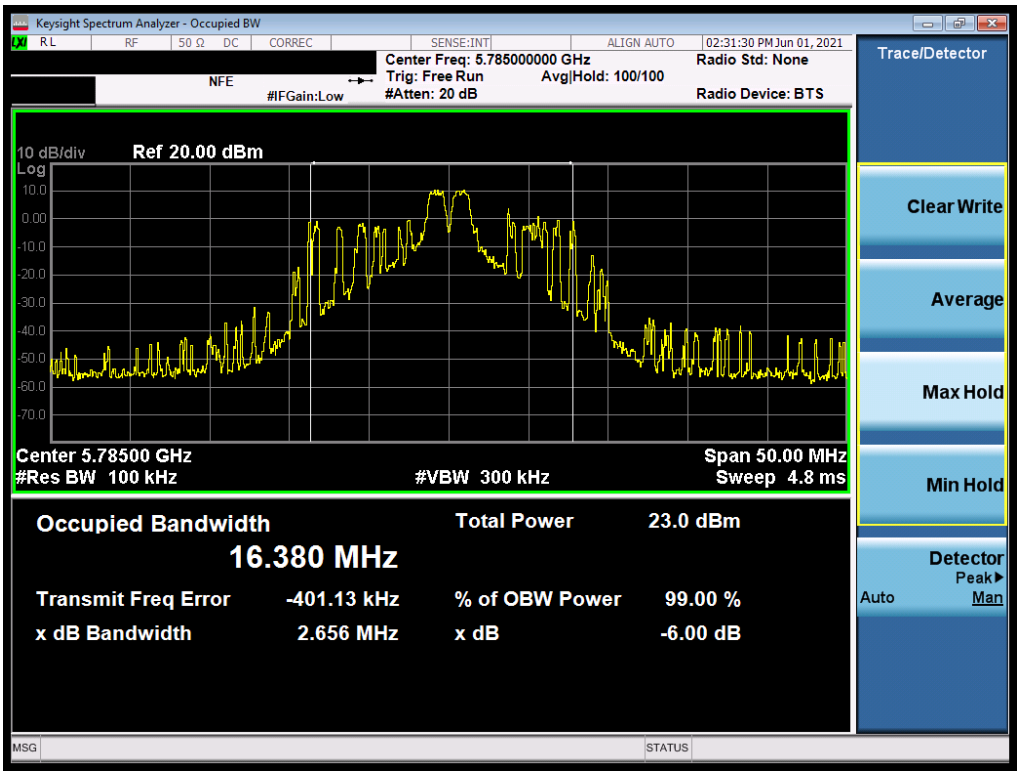
SISO SOUTH 6 dB Bandwidth Measurements (26 Tones)

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	ax (20MHz)	26T	MCS0	2.62
	5785	157	ax (20MHz)	26T	MCS0	2.66
	5825	165	ax (20MHz)	26T	MCS0	8.81
	5755	151	ax (40MHz)	26T	MCS0	2.22
	5795	159	ax (40MHz)	26T	MCS0	2.20
	5775	155	ax (80MHz)	26T	MCS0	2.34

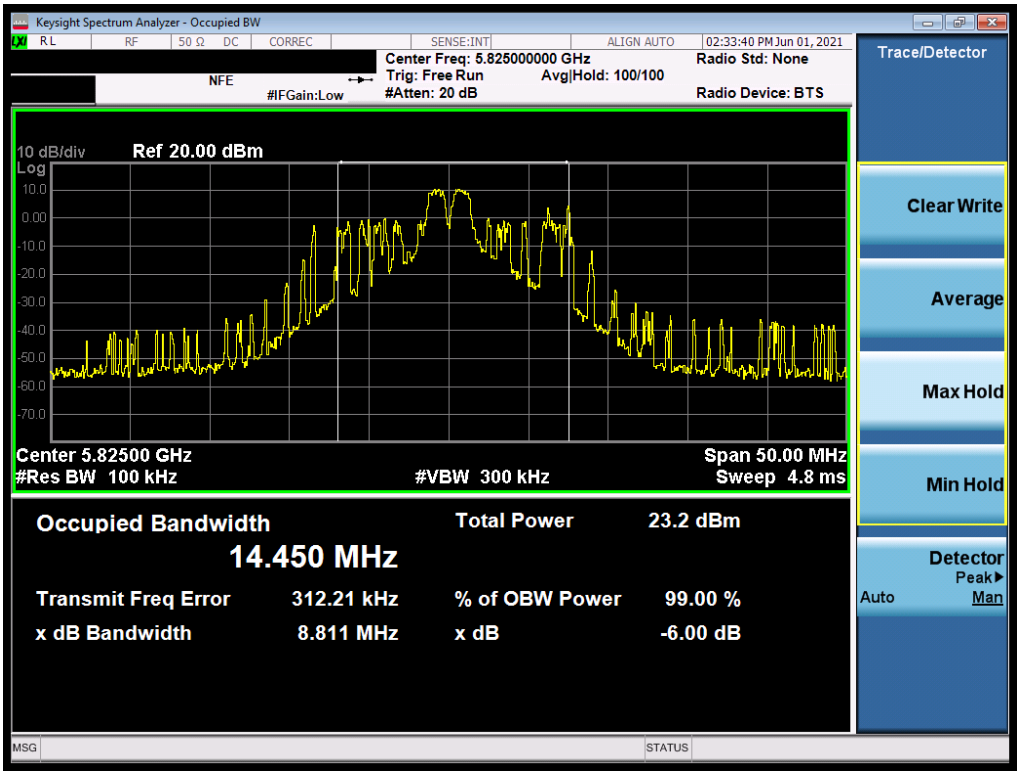
Table 7-6. Conducted Bandwidth Measurements SISO SOUTH (26 Tones)



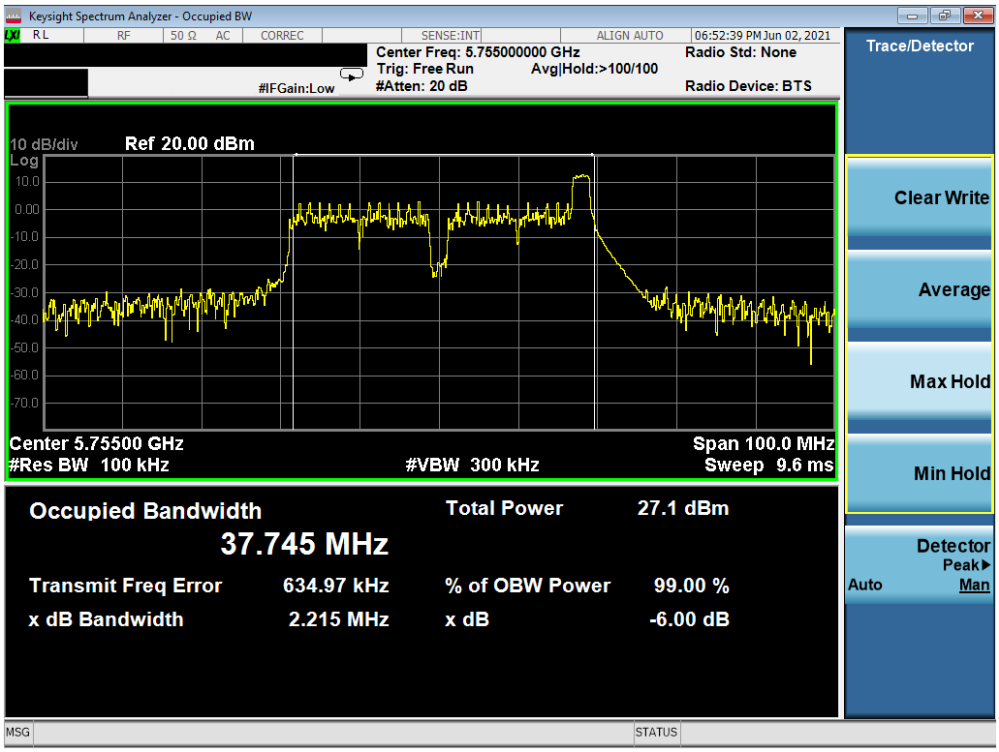
Plot 7-101. 6dB Bandwidth Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 149)



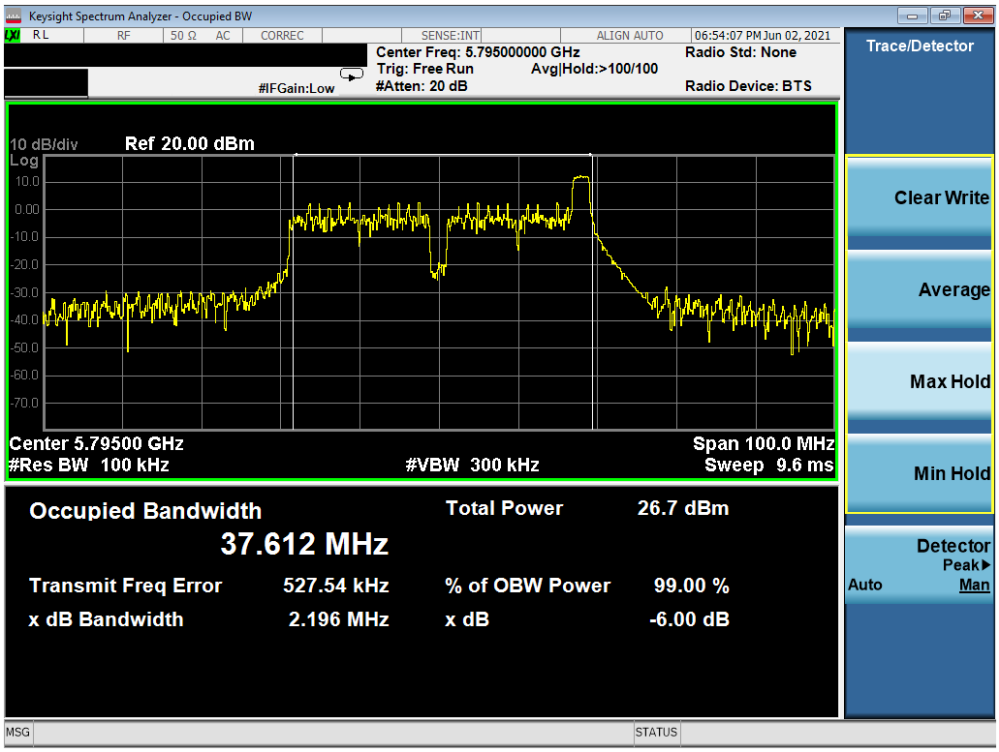
Plot 7-102. 6dB Bandwidth Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 157)



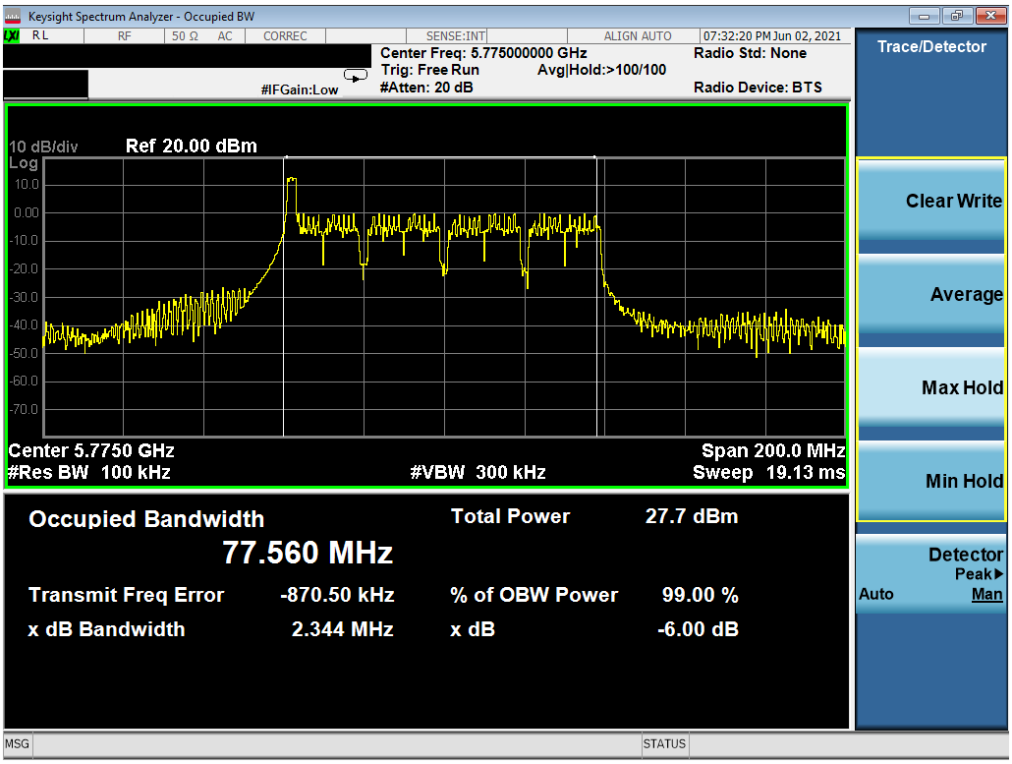
Plot 7-103. 6dB Bandwidth Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 165)



Plot 7-104. 6dB Bandwidth Plot SISO SOUTH (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 151)



Plot 7-105. 6dB Bandwidth Plot SISO SOUTH (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 159)

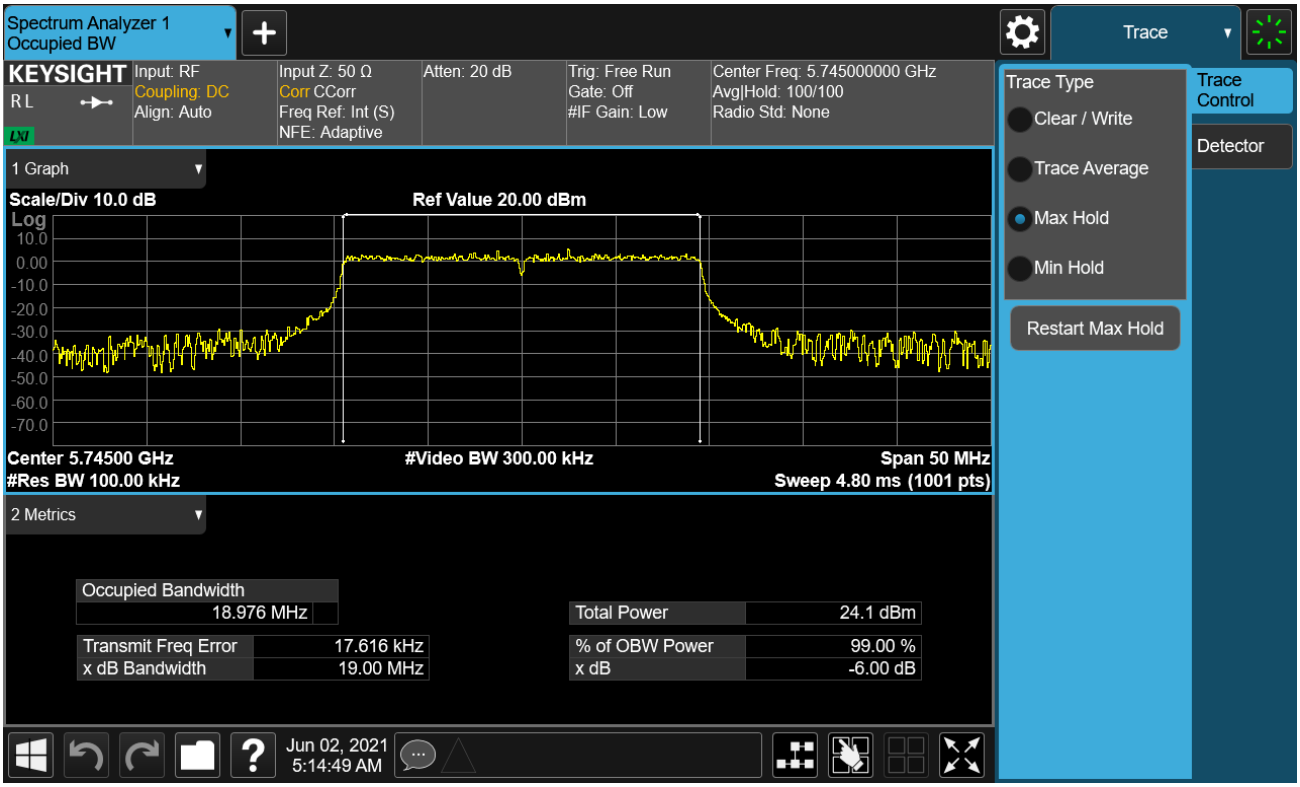


Plot 7-106. 6dB Bandwidth Plot SISO SOUTH (80MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 155)

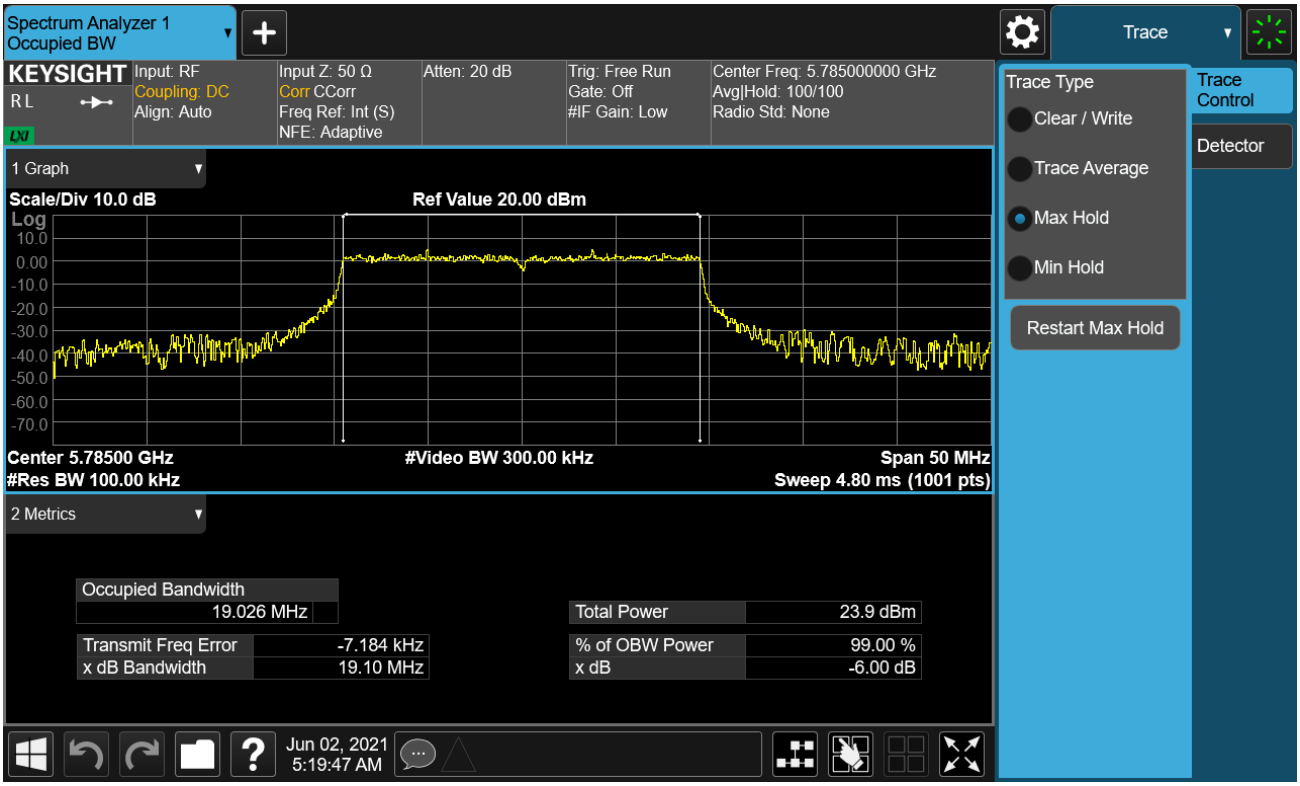
SISO SOUTH 6 dB Bandwidth Measurements (Full Tones)

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	ax (20MHz)	242T	MCS0	19.00
	5785	157	ax (20MHz)	242T	MCS0	19.10
	5825	165	ax (20MHz)	242T	MCS0	19.08
	5755	151	ax (40MHz)	484T	MCS0	38.14
	5795	159	ax (40MHz)	484T	MCS0	38.12
	5775	155	ax (80MHz)	996T	MCS0	78.36

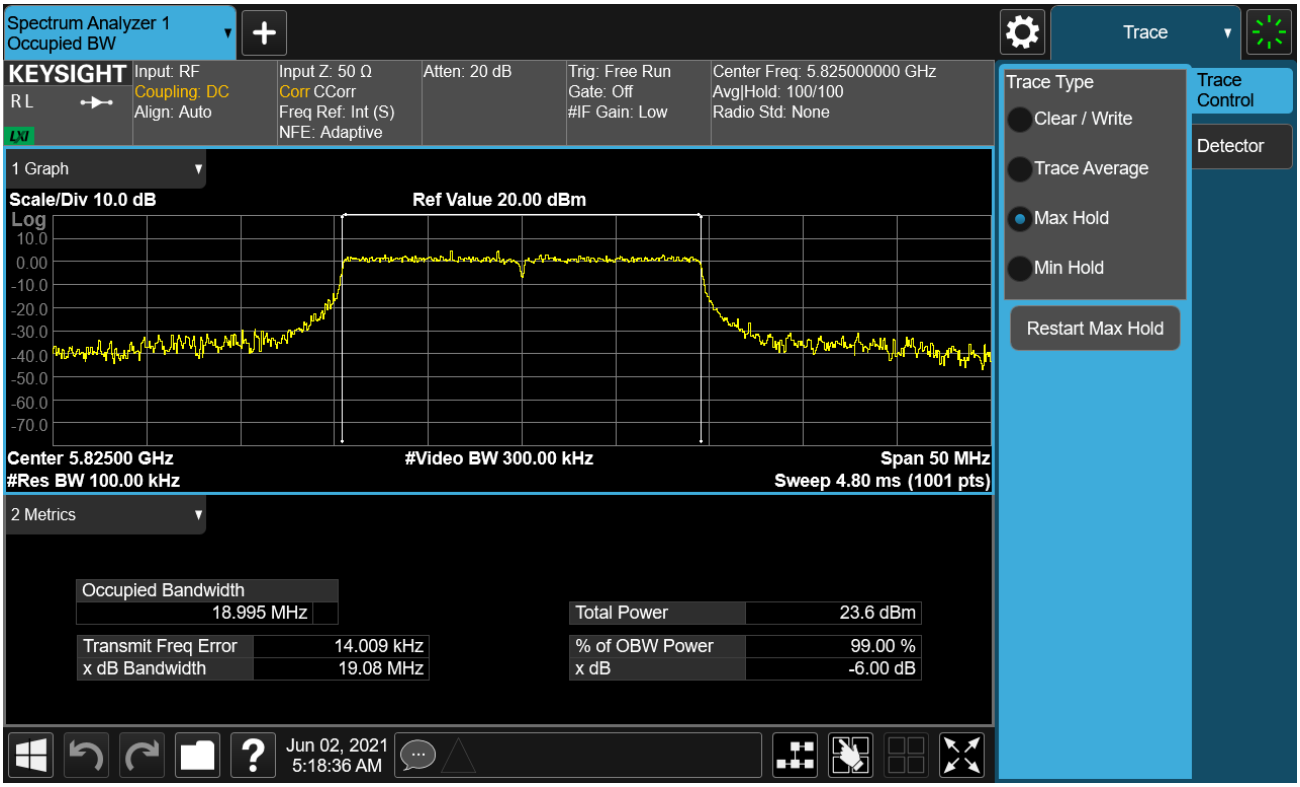
Table 7-7. Conducted Bandwidth Measurements SISO SOUTH (Full Tones)



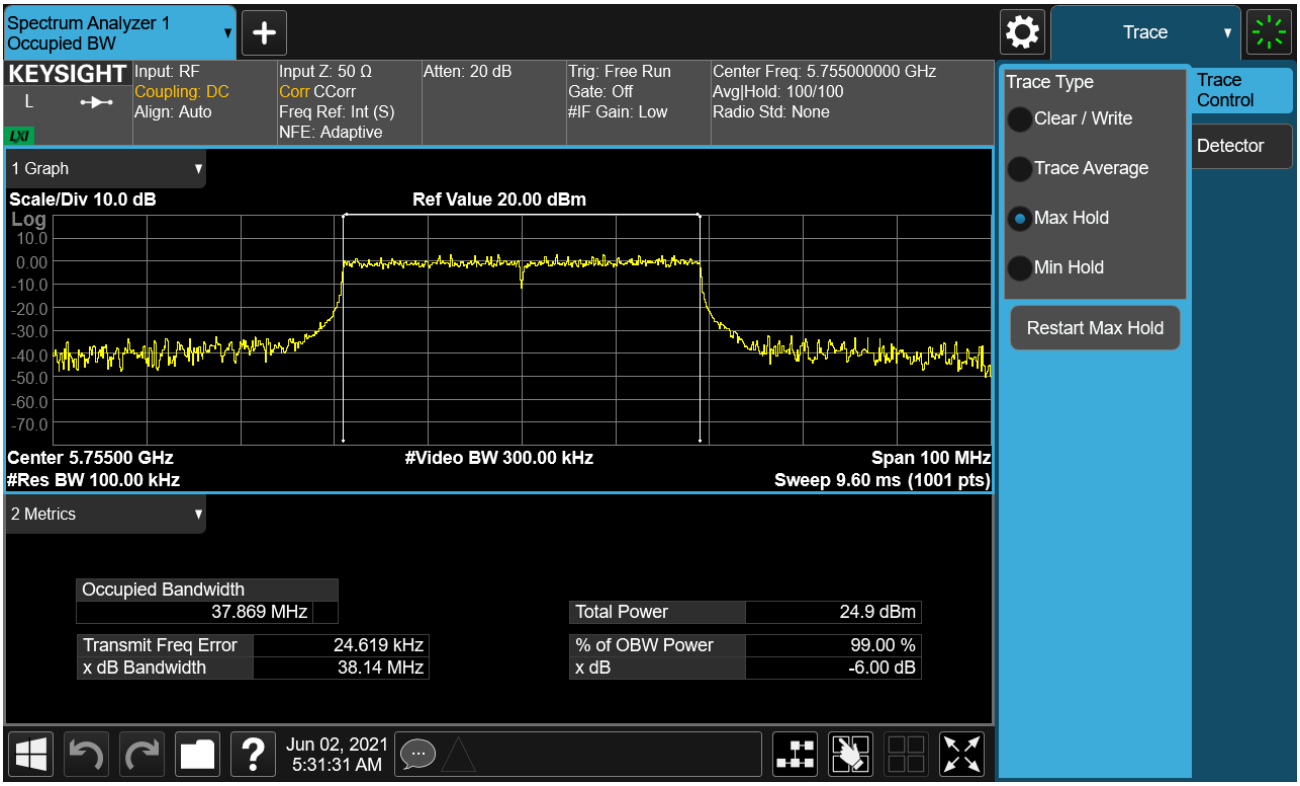
Plot 7-107. 6dB Bandwidth Plot SISO SOUTH (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 149)



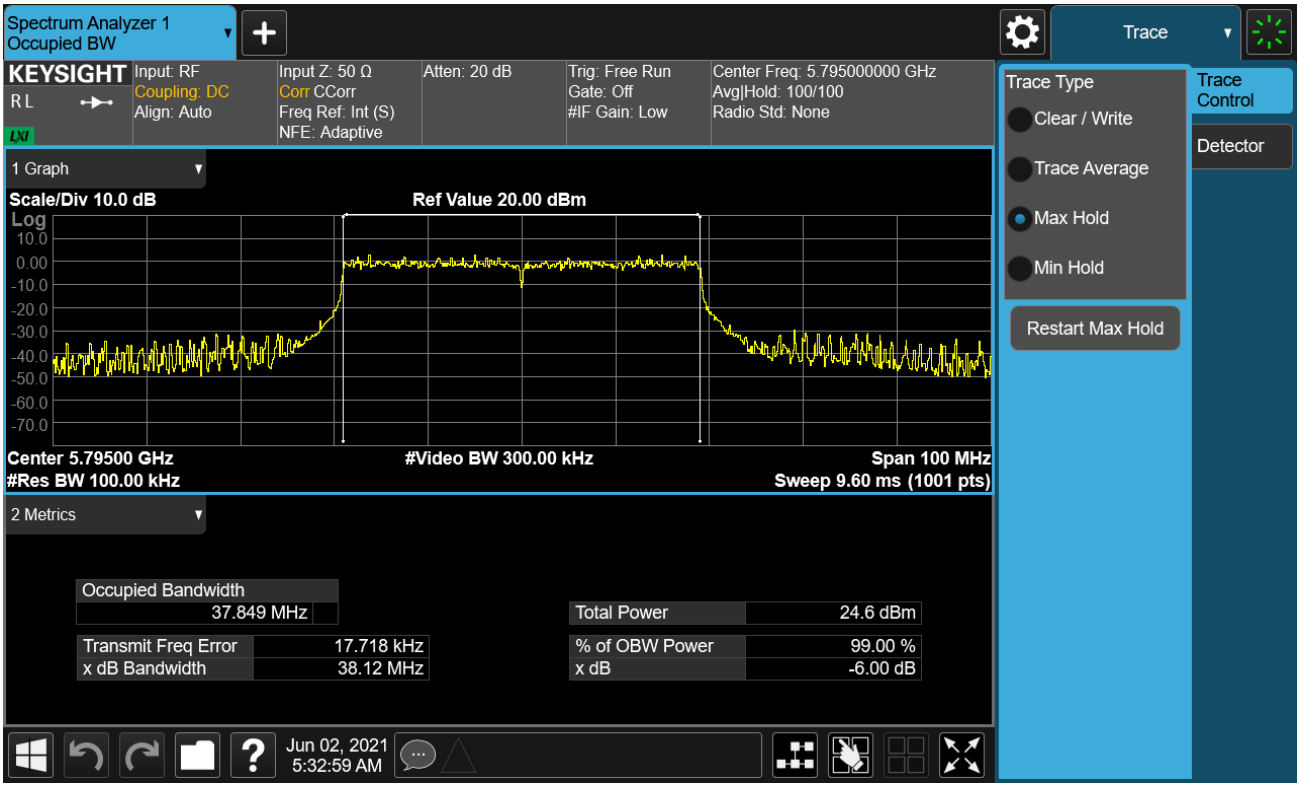
Plot 7-108. 6dB Bandwidth Plot SISO SOUTH (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 157)



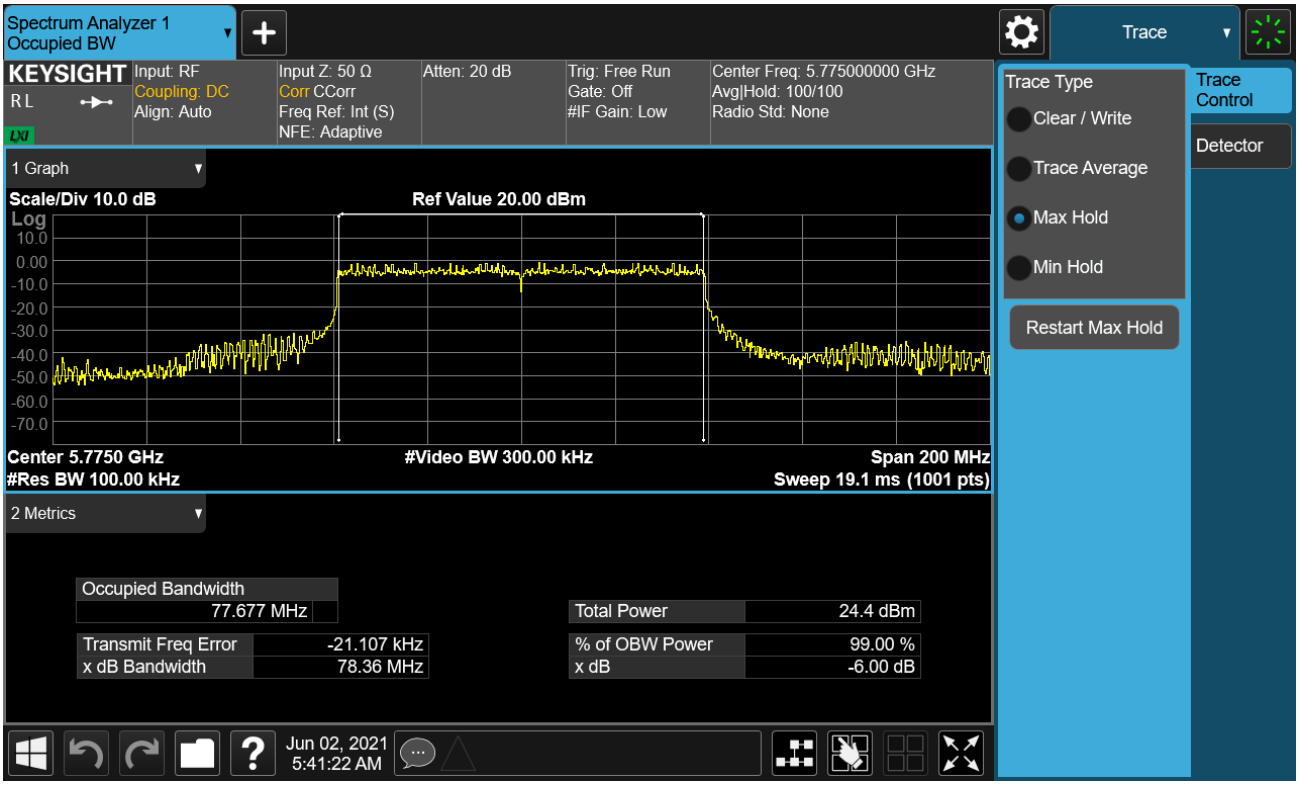
Plot 7-109. 6dB Bandwidth Plot SISO SOUTH (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 165)



Plot 7-110. 6dB Bandwidth Plot SISO SOUTH (40MHz BW 802.11ax – 484 Tones (UNII Band 3) – Ch. 151)



Plot 7-111. 6dB Bandwidth Plot SISO SOUTH (40MHz BW 802.11ax – 484 Tones (UNII Band 3) – Ch. 159)

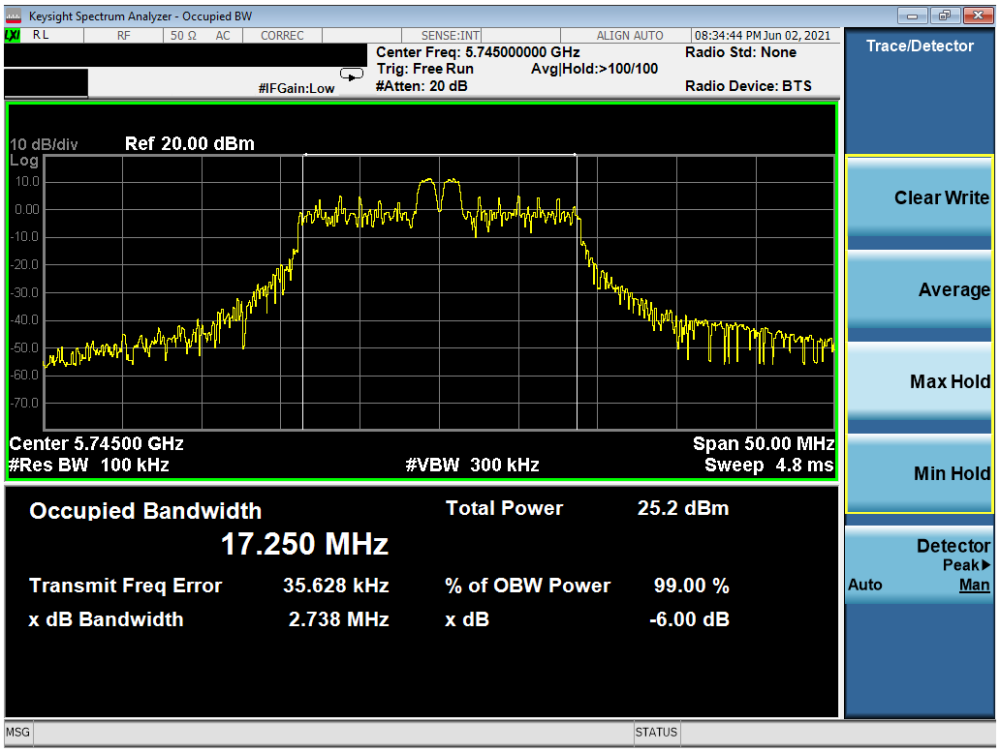


Plot 7-112. 6dB Bandwidth Plot SISO SOUTH (80MHz BW 802.11ax – 996 Tones (UNII Band 3) – Ch. 155)

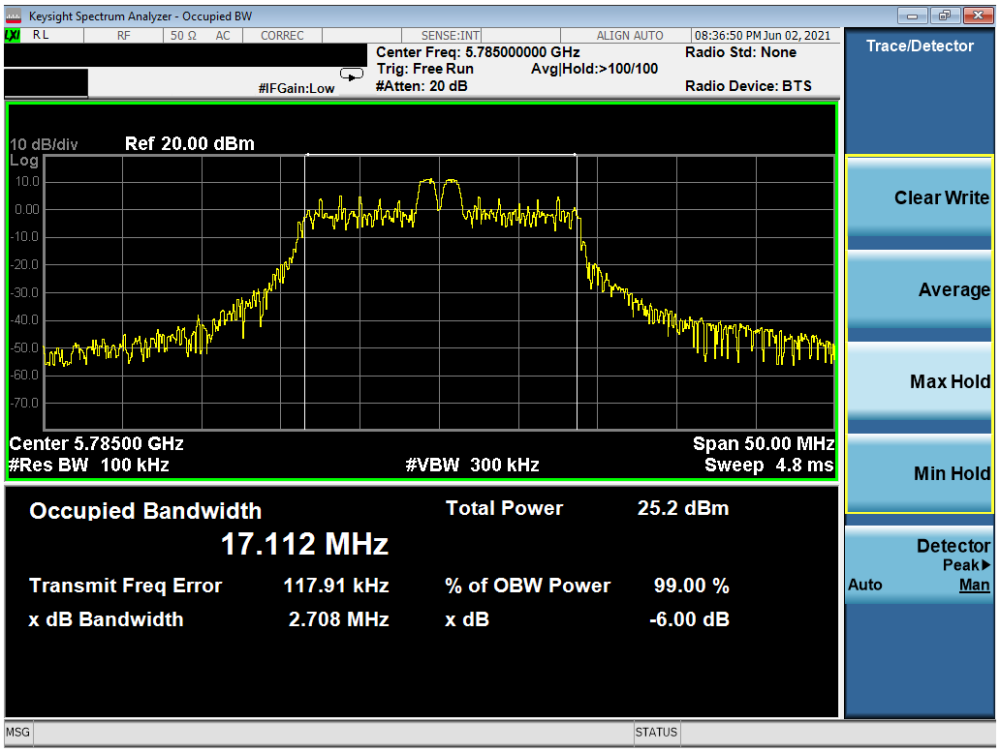
SISO NORTH 6dB Bandwidth Measurements (26 Tones)

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	ax (20MHz)	26T	MCS0	2.74
	5785	157	ax (20MHz)	26T	MCS0	2.71
	5825	165	ax (20MHz)	26T	MCS0	2.67
	5755	151	ax (40MHz)	26T	MCS0	2.23
	5795	159	ax (40MHz)	26T	MCS0	2.19
	5775	155	ax (80MHz)	26T	MCS0	2.32

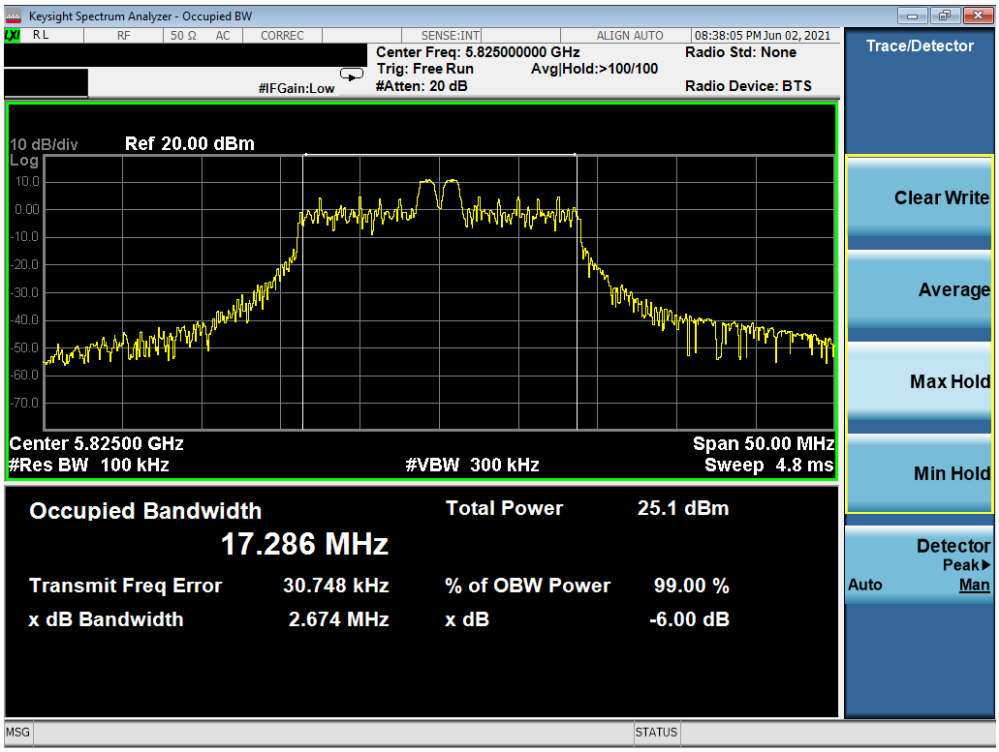
Table 7-8. Conducted Bandwidth Measurements SISO NORTH (26 Tones)



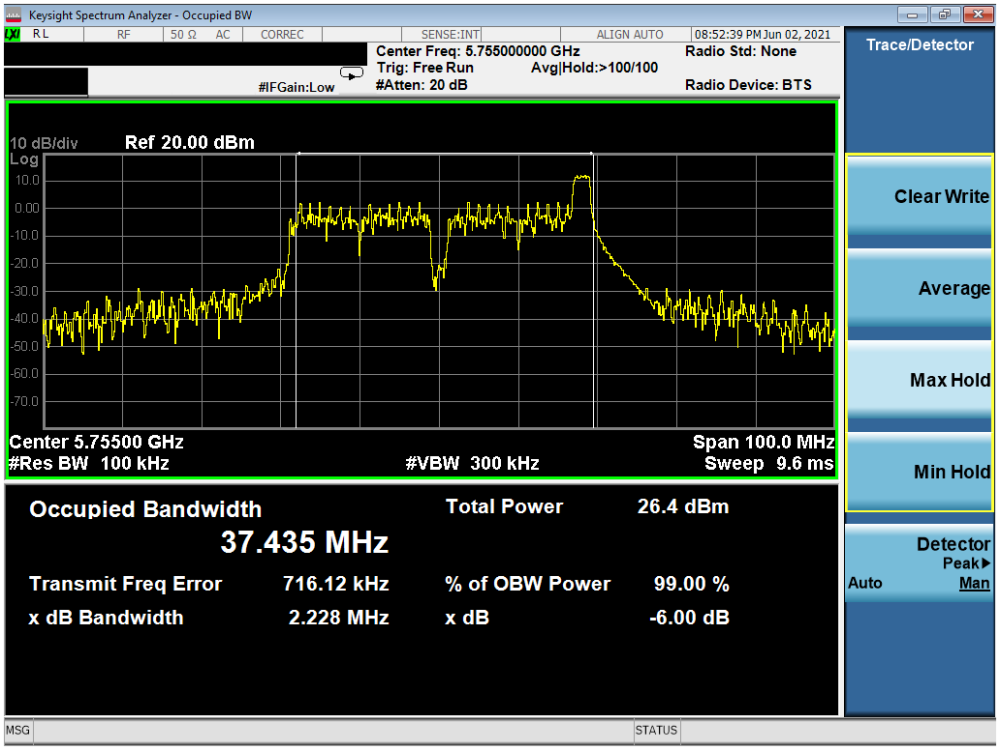
Plot 7-113. 6dB Bandwidth Plot SISO NORTH (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 149)



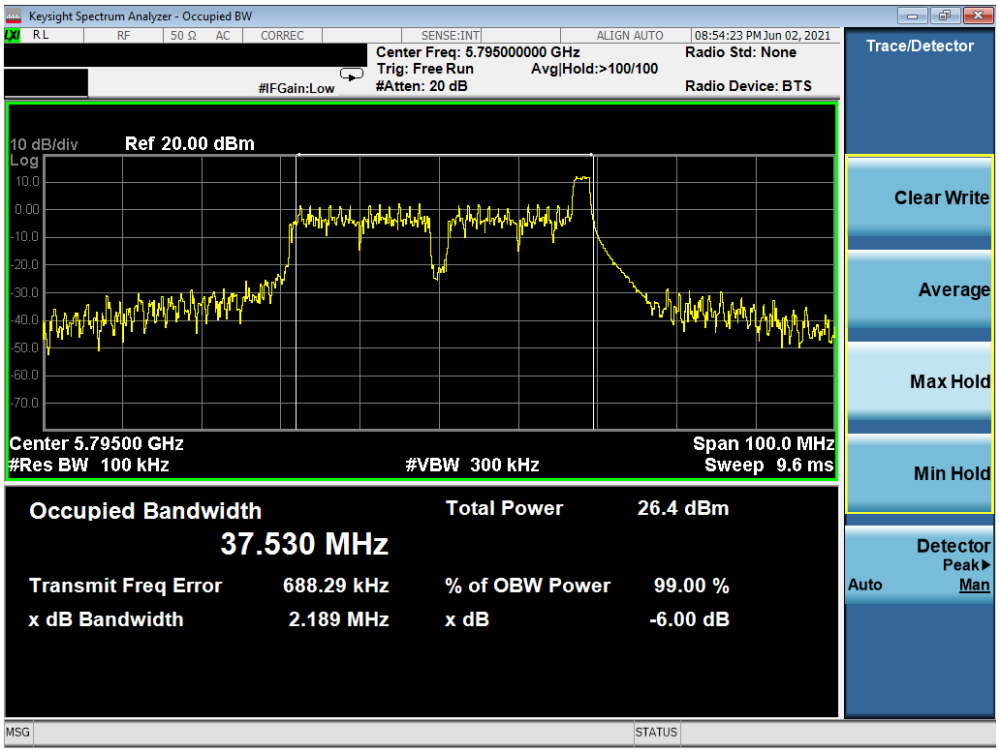
Plot 7-114. 6dB Bandwidth Plot SISO NORTH (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 157)



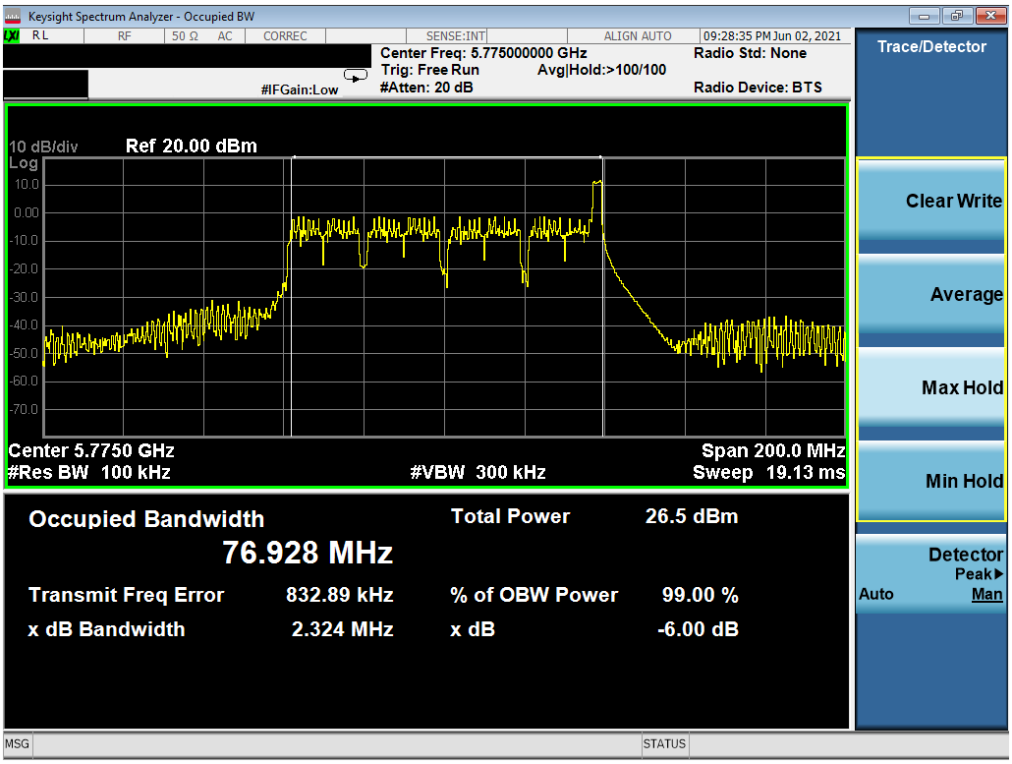
Plot 7-115. 6dB Bandwidth Plot SISO NORTH (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 165)



Plot 7-116. 6dB Bandwidth Plot SISO NORTH (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 151)



Plot 7-117. 6dB Bandwidth Plot SISO NORTH (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 159)

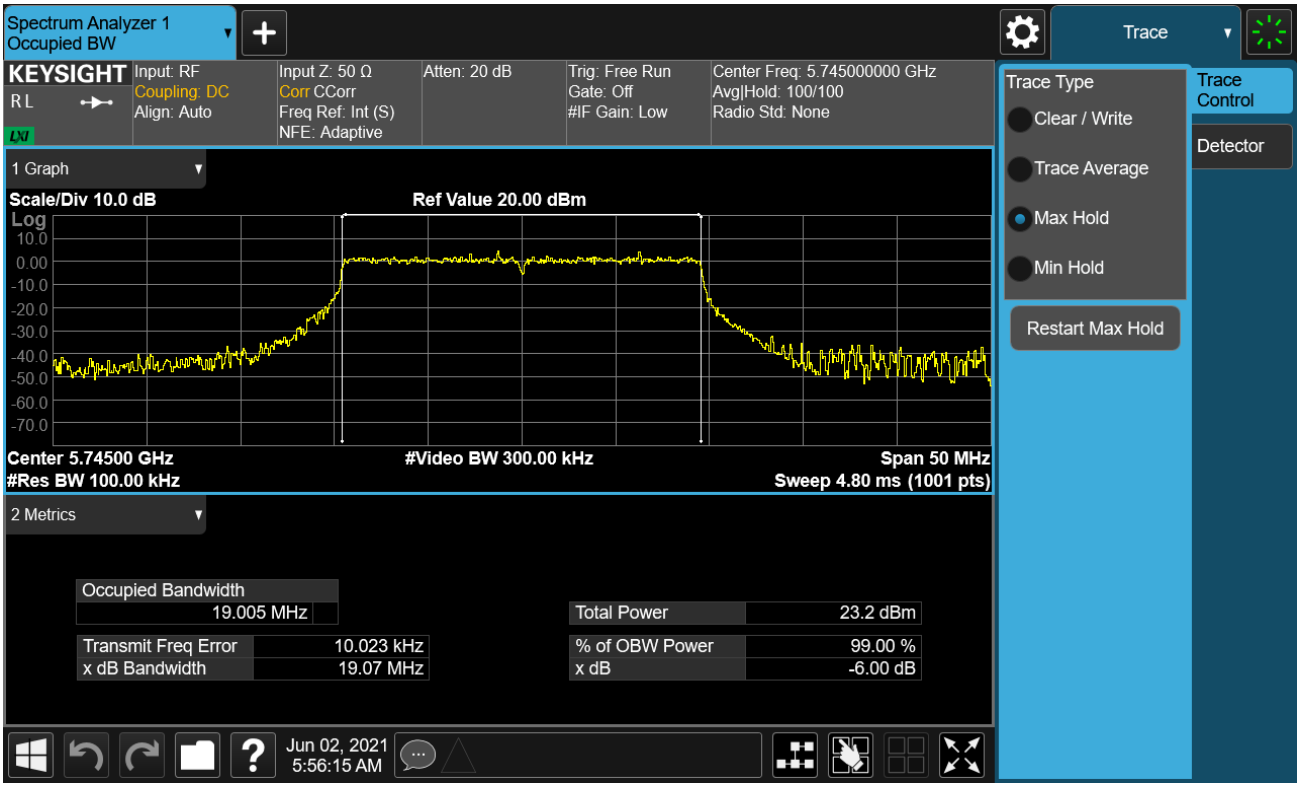


Plot 7-118. 6dB Bandwidth Plot SISO NORTH (80MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 155)

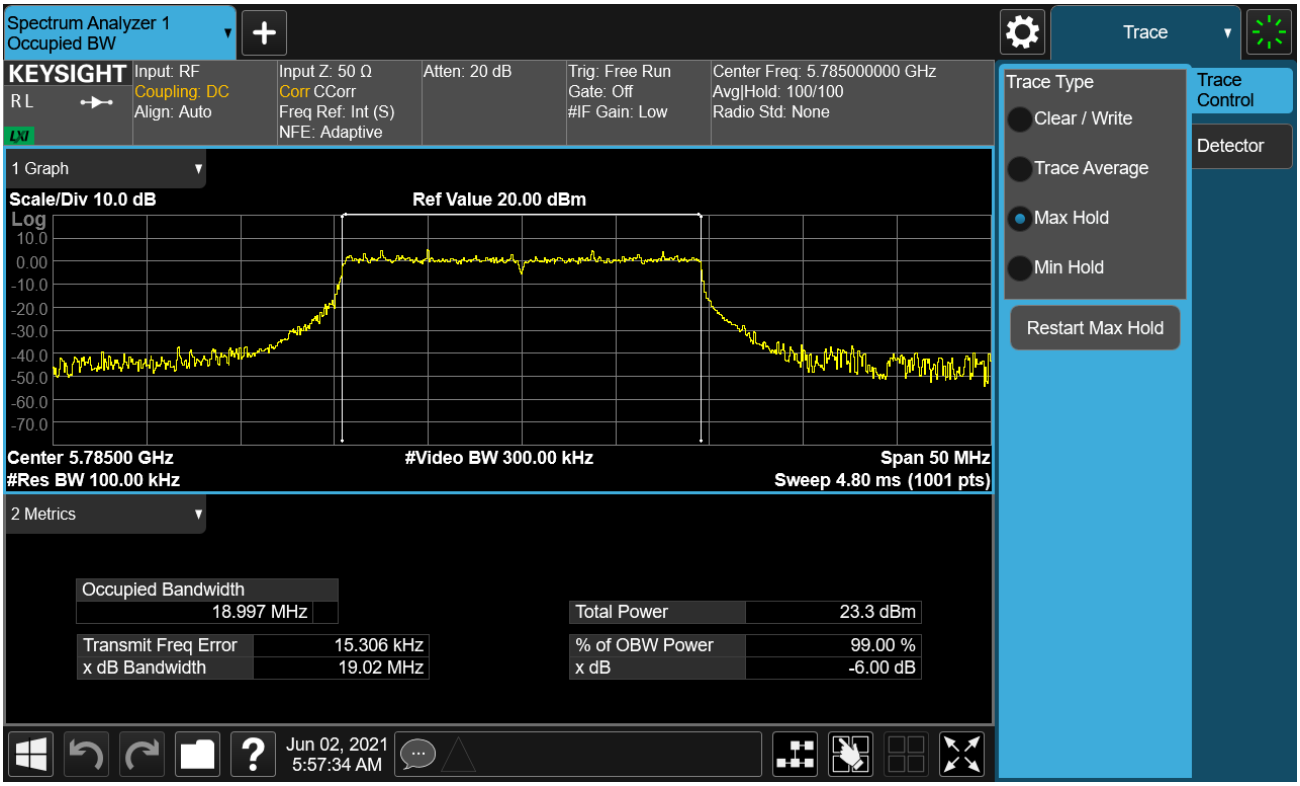
SISO NORTH 6dB Bandwidth Measurements (Full Tones)

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	ax (20MHz)	242T	MCS0	19.07
	5785	157	ax (20MHz)	242T	MCS0	19.02
	5825	165	ax (20MHz)	242T	MCS0	19.09
	5755	151	ax (40MHz)	484T	MCS0	38.14
	5795	159	ax (40MHz)	484T	MCS0	38.22
	5775	155	ax (80MHz)	996T	MCS0	78.16

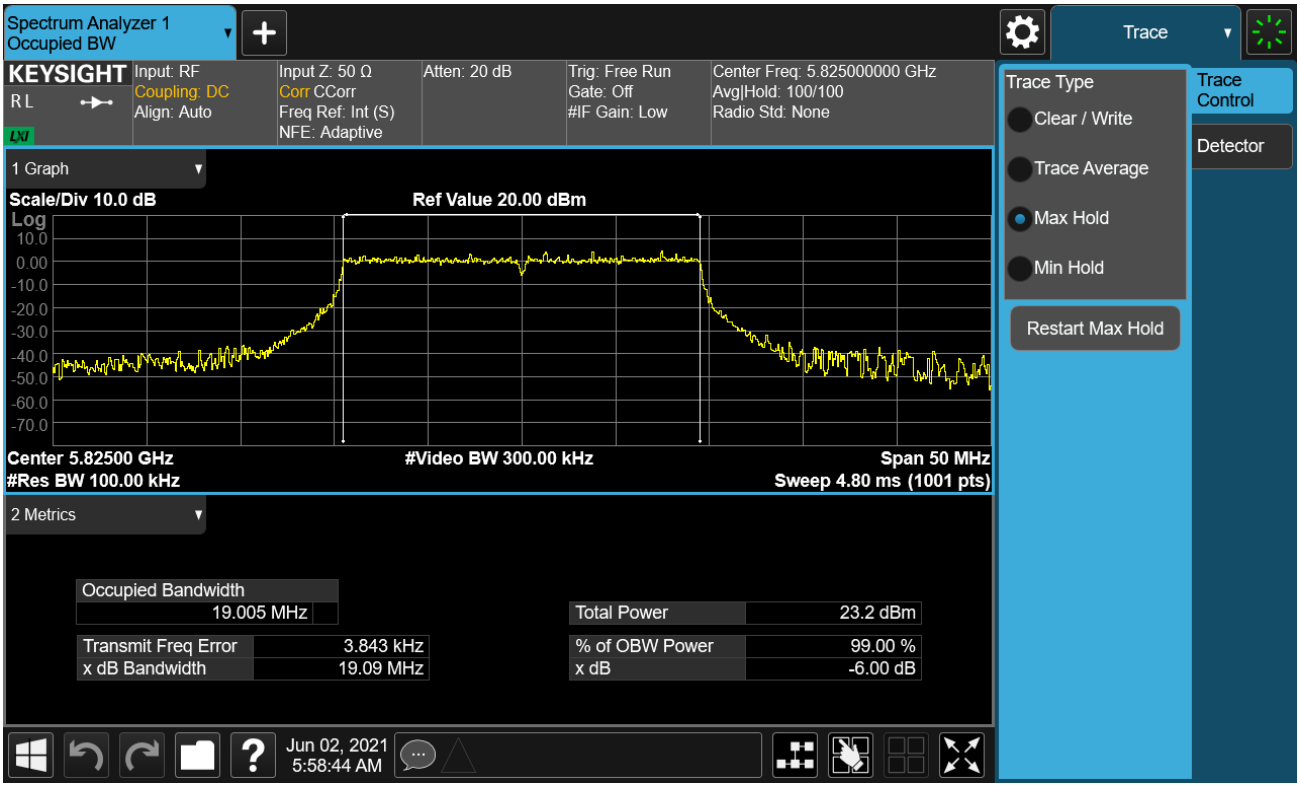
Table 7-9. Conducted Bandwidth Measurements SISO NORTH (Full Tones)



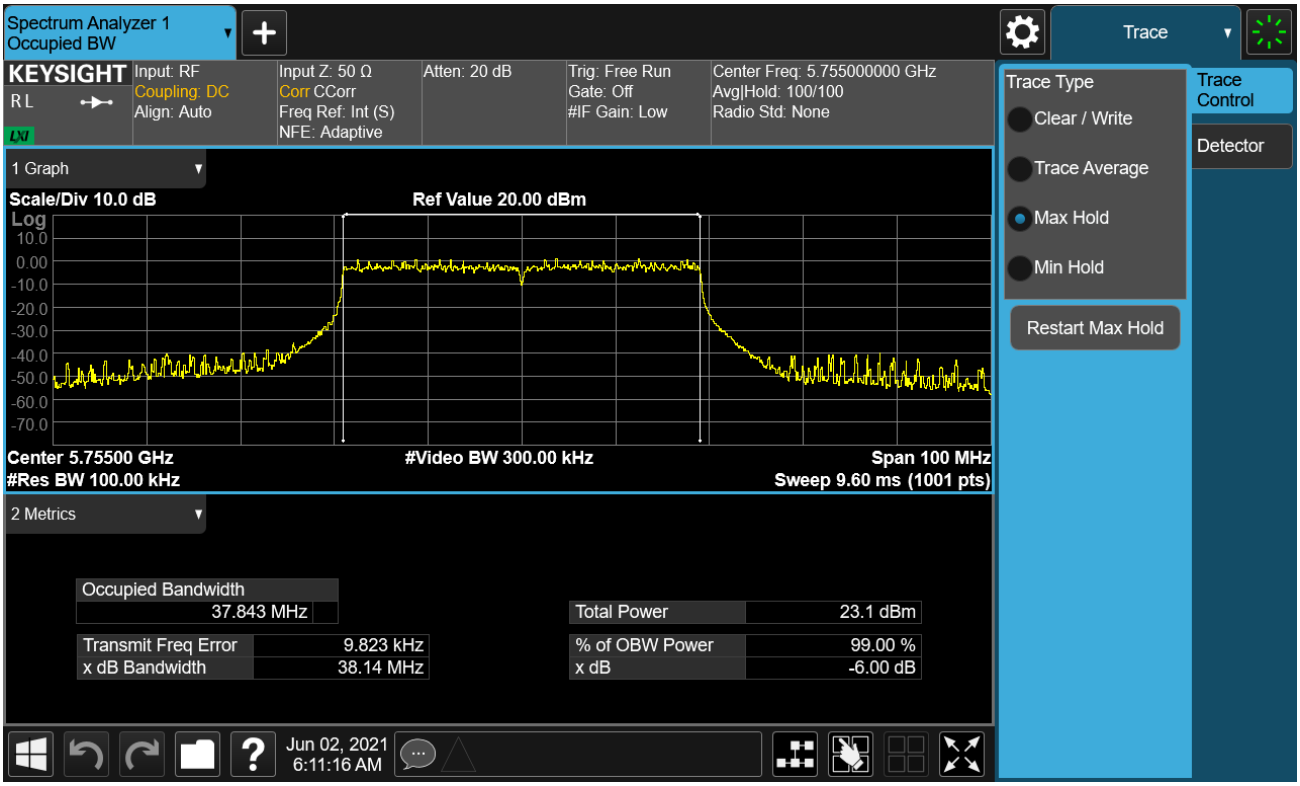
Plot 7-119. 6dB Bandwidth Plot SISO NORTH (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 149)



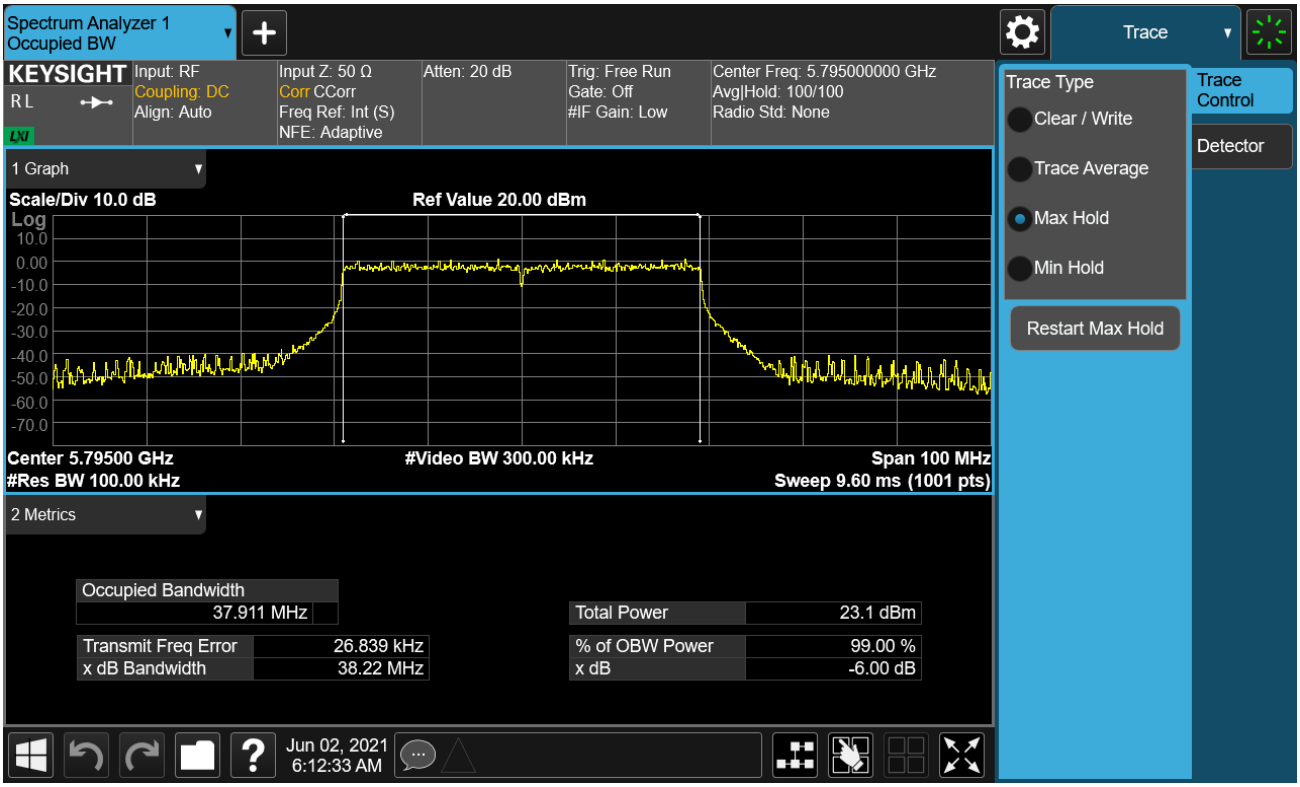
Plot 7-120. 6dB Bandwidth Plot SISO NORTH (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 157)



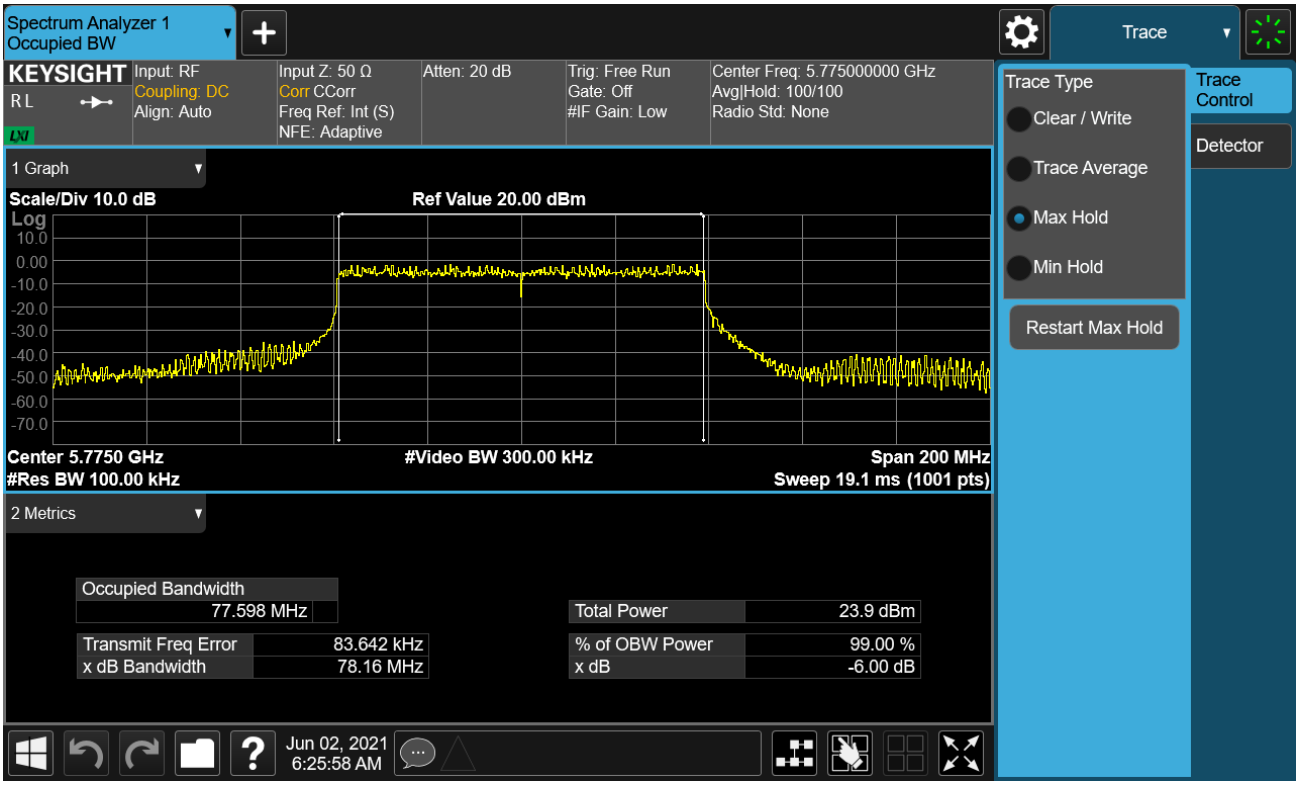
Plot 7-121. 6dB Bandwidth Plot SISO NORTH (20MHz BW 802.11ax – 242 Tones (UNII Band 3) – Ch. 165)



Plot 7-122. 6dB Bandwidth Plot SISO NORTH (40MHz BW 802.11ax – 484 Tones (UNII Band 3) – Ch. 151)



Plot 7-123. 6dB Bandwidth Plot SISO NORTH (40MHz BW 802.11ax – 484 Tones (UNII Band 3) – Ch. 159)



Plot 7-124. 6dB Bandwidth Plot SISO NORTH (80MHz BW 802.11ax – 996 Tones (UNII Band 3) – Ch. 155)

7.4 UNII Output Power Measurement – 802.11ax OFDMA

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3); RSS-247 [6.2]

Test Overview and Limits

A transmitter antenna terminal of the EUT is connected to the input of an RF pulse power sensor. Measurement is made using a broadband average power meter while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies.

In the 5.15 – 5.25GHz band, the maximum permissible conducted output power is 250mW (23.98dBm). The maximum e.i.r.p. shall not exceed the lesser of 200 mW (23.01dBm) or 10 + 10 log10B = 10 + 10log(18.55) = 22.68dBm.

In the 5.25 – 5.35GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or 11 dBm + 10log$_{10}$(26dB BW) = 11 dBm + 10log$_{10}$(18.67) = 23.71dBm. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W (30dBm) or 17 + 10 log10B = 17 + 10log(18.67) = 29.73 dBm.

In the 5.47 – 5.725GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or 11 dBm + 10log$_{10}$(26dB BW) = 11 dBm + 10log$_{10}$(18.73) = 23.73dBm. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W (30dBm) or 17 + 10 log10B = 17+10log(18.73) = 29.73 dBm.

In the 5.725 – 5.850GHz band, the maximum permissible conducted output power is 1W (30dBm). The maximum e.i.r.p. is 36 dBm.

Test Procedure Used

ANSI C63.10-2013 – Section 12.3.3.2 Method PM-G
KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G
ANSI C63.10-2013 – Section 14.2 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)1) Measure-and-Sum Technique

Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

Figure 7-3. Test Instrument & Measurement Setup

SISO SOUTH Conducted Output Power Measurements (26 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0	4	8						
	5180	36	AVG	26T	3.97	3.42	3.99	23.98	-19.99	6.20	10.19	22.68	-12.49
	5200	40	AVG	26T	3.98	3.48	3.98	23.98	-20.00	6.20	10.18	22.68	-12.50
	5240	48	AVG	26T	3.66	3.39	3.73	23.98	-20.25	6.20	9.93	22.68	-12.75
	5260	52	AVG	26T	9.95	9.47	9.98	23.71	-13.73	6.30	16.28	29.73	-13.45
	5280	56	AVG	26T	9.82	9.46	9.92	23.71	-13.79	6.30	16.22	29.73	-13.51
	5320	64	AVG	26T	9.44	9.09	9.54	23.71	-14.17	6.30	15.84	29.73	-13.89
	5500	100	AVG	26T	9.15	8.71	9.31	23.73	-14.42	5.60	14.91	29.73	-14.82
	5600	120	AVG	26T	9.38	9.12	9.07	23.73	-14.35	5.60	14.98	29.73	-14.75
	5720	144	AVG	26T	9.48	9.11	9.21	23.73	-14.25	5.60	15.08	29.73	-14.65
	5745	149	AVG	26T	17.12	17.19	17.16	30.00	-12.81	3.60	20.79	-	-
	5785	157	AVG	26T	17.48	17.49	17.47	30.00	-12.51	3.60	21.09	-	-
	5825	165	AVG	26T	17.38	17.45	17.45	30.00	-12.55	3.60	21.05	-	-

Table 7-10. SISO SOUTH 20MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0	8	17						
	5190	38	AVG	26T	3.88	3.78	3.99	23.98	-19.99	6.20	10.19	22.68	-12.49
	5230	46	AVG	26T	3.99	3.84	3.97	23.98	-19.99	6.20	10.19	22.68	-12.49
	5270	54	AVG	26T	9.77	9.73	9.96	23.71	-13.75	6.30	16.26	29.73	-13.47
	5310	62	AVG	26T	9.86	9.67	9.53	23.71	-13.85	6.30	16.16	29.73	-13.57
	5510	102	AVG	26T	9.34	9.43	9.45	23.73	-14.28	5.60	15.05	29.73	-14.68
	5590	118	AVG	26T	9.15	9.26	9.37	23.73	-14.36	5.60	14.97	29.73	-14.76
	5710	142	AVG	26T	9.22	9.33	9.25	23.73	-14.40	5.60	14.93	29.73	-14.80
	5755	151	AVG	26T	17.25	17.24	17.39	30.00	-12.61	3.60	20.99	-	-
	5795	159	AVG	26T	17.16	17.19	17.29	30.00	-12.71	3.60	20.89	-	-

Table 7-11. SISO SOUTH 40MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0	18	36						
	5210	42	AVG	26T	3.56	3.65	3.78	23.98	-20.20	6.20	9.98	22.68	-12.70
	5290	58	AVG	26T	9.24	9.24	9.56	23.71	-14.15	6.30	15.86	29.73	-13.87
	5530	106	AVG	26T	9.24	9.32	9.18	23.73	-14.41	5.60	14.92	29.73	-14.81
	5610	122	AVG	26T	9.17	9.15	9.13	23.73	-14.56	5.60	14.77	29.73	-14.96
	5690	138	AVG	26T	9.25	9.27	9.34	23.73	-14.39	5.60	14.94	29.73	-14.79
	5775	155	AVG	26T	17.42	17.19	17.13	30.00	-12.58	3.60	21.02	-	-

Table 7-12. SISO SOUTH 80MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

5Ghz (160MHz BW L)	Freq [MHz]	Channel	Tones	Detector	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0	18	36						
	5250	50	26T	AVG	3.98	3.82	3.74	23.98	-20.00	6.20	10.18	22.68	-12.50
	5570	114	26T	AVG	9.34	9.14	9.17	23.73	-14.39	5.60	14.94	-	-

Table 7-13. SISO SOUTH 160MHz BW (L) (UNII) Maximum Conducted Output Power (26 Tones)

5Ghz (160MHz BW U)	Freq [MHz]	Channel	Tones	Detector	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0	18	36						
	5250	50	26T	AVG	9.45	9.21	9.17	23.71	-14.26	6.30	15.75	29.37	-13.62
	5570	114	26T	AVG	9.34	9.27	9.31	23.73	-14.39	5.60	14.94	-	-

Table 7-14. SISO SOUTH 160MHz BW (U) (UNII) Maximum Conducted Output Power (26 Tones)

SISO SOUTH Conducted Output Power Measurements (52 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37	39	40						
	5180	36	AVG	52T	5.25	5.19	5.11	23.98	-18.73	6.20	11.45	22.68	-11.23
	5200	40	AVG	52T	5.35	5.13	5.29	23.98	-18.63	6.20	11.55	22.68	-11.13
	5240	48	AVG	52T	5.24	5.16	5.46	23.98	-18.52	6.20	11.66	22.68	-11.02
	5260	52	AVG	52T	12.47	12.37	12.06	23.71	-11.24	6.30	18.77	29.73	-10.96
	5280	56	AVG	52T	12.44	12.38	11.97	23.71	-11.27	6.30	18.74	29.73	-10.99
	5320	64	AVG	52T	12.31	12.23	12.48	23.71	-11.23	6.30	18.78	29.73	-10.95
	5500	100	AVG	52T	12.45	12.31	12.02	23.73	-11.28	5.60	18.05	29.73	-11.68
	5600	120	AVG	52T	12.18	12.09	12.38	23.73	-11.35	5.60	17.98	29.73	-11.75
	5720	144	AVG	52T	12.39	12.20	12.34	23.73	-11.34	5.60	17.99	29.73	-11.74
	5745	149	AVG	52T	17.31	17.08	17.23	30.00	-12.69	3.60	20.91	-	-
	5785	157	AVG	52T	17.25	17.39	17.09	30.00	-12.61	3.60	20.99	-	-
	5825	165	AVG	52T	17.17	17.39	17.44	30.00	-12.56	3.60	21.04	-	-

Table 7-15. SISO SOUTH 20MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37	40	44						
	5190	38	AVG	52T	5.46	5.26	5.47	23.98	-18.51	6.20	11.67	22.68	-11.01
	5230	46	AVG	52T	5.49	5.35	5.49	23.98	-18.49	6.20	11.69	22.68	-10.99
	5270	54	AVG	52T	12.11	12.21	12.27	23.71	-11.44	6.30	18.57	29.73	-11.16
	5310	62	AVG	52T	12.12	12.07	12.24	23.71	-11.47	6.30	18.54	29.73	-11.19
	5510	102	AVG	52T	12.15	12.23	12.34	23.73	-11.39	5.60	17.94	29.73	-11.79
	5590	118	AVG	52T	12.24	12.29	12.35	23.73	-11.38	5.60	17.95	29.73	-11.78
	5710	142	AVG	52T	12.14	12.25	12.18	23.73	-11.48	5.60	17.85	29.73	-11.88
	5755	151	AVG	52T	17.27	17.17	17.35	30.00	-12.65	3.60	20.95	-	-
	5795	159	AVG	52T	17.25	17.03	17.14	30.00	-12.75	3.60	20.85	-	-

Table 7-16. SISO SOUTH 40MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37	44	52						
	5210	42	AVG	52T	5.45	5.13	5.21	23.98	-18.53	6.20	11.65	22.68	-11.03
	5290	58	AVG	52T	12.07	12.07	12.40	23.71	-11.31	6.30	18.70	29.73	-11.03
	5530	106	AVG	52T	12.16	12.49	12.35	23.73	-11.24	5.60	18.09	29.73	-11.64
	5610	122	AVG	52T	12.31	12.34	12.46	23.73	-11.27	5.60	18.06	29.73	-11.67
	5690	138	AVG	52T	12.13	12.05	12.08	23.73	-11.60	5.60	17.73	29.73	-12.00
	5775	155	AVG	52T	17.37	17.31	17.42	30.00	-12.58	3.60	21.02	-	-

Table 7-17. SISO SOUTH 80MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

5Ghz (160MHz BW L)	Freq [MHz]	Channel	Tones	Detector	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37	44	52						
	5250	50	52T	AVG	5.34	5.23	5.09	23.98	-18.64	6.20	11.54	22.68	-11.14
	5570	114	52T	AVG	12.45	12.32	12.11	23.73	-11.28	5.60	18.05	-	-

Table 7-18. SISO SOUTH 160MHz BW (L) (UNII) Maximum Conducted Output Power (52 Tones)

5Ghz (160MHz BW U)	Freq [MHz]	Channel	Tones	Detector	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37	44	52						
	5250	50	52T	AVG	12.18	12.34	12.25	23.71	-11.37	6.30	18.64	29.37	-10.73
	5570	114	52T	AVG	12.33	12.11	12.48	23.73	-11.25	5.60	18.08	-	-

Table 7-19. SISO SOUTH 160MHz BW (U) (UNII) Maximum Conducted Output Power (52 Tones)

SISO SOUTH Conducted Output Power Measurements (106 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53	54						
	5180	36	AVG	106T	9.18	9.34	23.98	-14.64	6.20	15.54	22.68	-7.14
	5200	40	AVG	106T	9.25	9.41	23.98	-14.57	6.20	15.61	22.68	-7.07
	5240	48	AVG	106T	9.21	9.37	23.98	-14.61	6.20	15.57	22.68	-7.11
	5260	52	AVG	106T	15.20	15.23	23.71	-8.48	6.30	21.53	29.73	-8.20
	5280	56	AVG	106T	15.13	15.26	23.71	-8.45	6.30	21.56	29.73	-8.17
	5320	64	AVG	106T	15.38	15.42	23.71	-8.29	6.30	21.72	29.73	-8.01
	5500	100	AVG	106T	14.94	14.98	23.73	-8.75	5.60	20.58	29.73	-9.15
	5600	120	AVG	106T	14.97	14.61	23.73	-8.76	5.60	20.57	29.73	-9.16
	5720	144	AVG	106T	14.42	14.45	23.73	-9.28	5.60	20.05	29.73	-9.68
	5745	149	AVG	106T	17.24	17.35	30.00	-12.65	3.60	20.95	-	-
	5785	157	AVG	106T	17.12	17.17	30.00	-12.83	3.60	20.77	-	-
	5825	165	AVG	106T	17.03	17.14	30.00	-12.86	3.60	20.74	-	-

Table 7-20. SISO SOUTH 20MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53	54	56						
	5190	38	AVG	106T	9.14	9.22	9.31	23.98	-14.67	6.20	15.51	22.68	-7.17
	5230	46	AVG	106T	9.11	9.43	9.35	23.98	-14.55	6.20	15.63	22.68	-7.05
	5270	54	AVG	106T	15.34	15.29	15.45	23.71	-8.26	6.30	21.75	29.73	-7.98
	5310	62	AVG	106T	15.35	15.28	15.48	23.71	-8.23	6.30	21.78	29.73	-7.95
	5510	102	AVG	106T	14.78	14.85	14.95	23.73	-8.78	5.60	20.55	29.73	-9.18
	5590	118	AVG	106T	14.81	14.83	14.88	23.73	-8.85	5.60	20.48	29.73	-9.25
	5710	142	AVG	106T	14.77	14.74	14.86	23.73	-8.87	5.60	20.46	29.73	-9.27
	5755	151	AVG	106T	17.29	17.21	17.35	30.00	-12.65	3.60	20.95	-	-
	5795	159	AVG	106T	17.17	17.12	17.15	30.00	-12.83	3.60	20.77	-	-

Table 7-21. SISO SOUTH 40MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53	56	60						
	5210	42	AVG	106T	9.12	9.08	9.26	23.98	-14.72	6.20	15.46	22.68	-7.22
	5290	58	AVG	106T	15.18	15.22	15.44	23.71	-8.27	6.30	21.74	29.73	-7.99
	5530	106	AVG	106T	14.56	14.65	14.63	23.73	-9.08	5.60	20.25	29.73	-9.48
	5610	122	AVG	106T	14.66	14.75	14.78	23.73	-8.95	5.60	20.38	29.73	-9.35
	5690	138	AVG	106T	14.73	14.89	14.92	23.73	-8.81	5.60	20.52	29.73	-9.21
	5775	155	AVG	106T	17.31	17.36	17.42	30.00	-12.58	3.60	21.02	-	-

Table 7-22. SISO SOUTH 80MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

5Ghz (160MHz BW L)	Freq [MHz]	Channel	Tones	Detector	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53	56	60						
	5250	50	106T	AVG	9.25	9.02	8.87	23.98	-14.73	6.20	15.45	22.68	-7.23
	5570	114	106T	AVG	14.71	14.69	14.89	23.73	-8.84	5.60	20.49	-	-

Table 7-23. SISO SOUTH 160MHz BW (L) (UNII) Maximum Conducted Output Power (106 Tones)

5Ghz (160MHz BW U)	Freq [MHz]	Channel	Tones	Detector	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53	56	60						
	5250	50	106T	AVG	15.17	15.41	15.31	23.71	-8.30	6.30	21.71	29.37	-7.66
	5570	114	106T	AVG	14.56	14.78	14.81	23.73	-8.92	5.60	20.41	-	-

Table 7-24. SISO SOUTH 160MHz BW (U) (UNII) Maximum Conducted Output Power (106 Tones)

SISO SOUTH Conducted Output Power Measurements (242 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					61						
	5180	36	AVG	242T	13.25	23.98	-10.73	6.20	19.45	22.68	-3.23
	5200	40	AVG	242T	13.13	23.98	-10.85	6.20	19.33	22.68	-3.35
	5240	48	AVG	242T	13.02	23.98	-10.96	6.20	19.22	22.68	-3.46
	5260	52	AVG	242T	17.29	23.71	-6.42	6.30	23.59	29.73	-6.14
	5280	56	AVG	242T	17.22	23.71	-6.49	6.30	23.52	29.73	-6.21
	5320	64	AVG	242T	17.29	23.71	-6.42	6.30	23.59	29.73	-6.14
	5500	100	AVG	242T	17.23	23.73	-6.50	5.60	22.83	29.73	-6.90
	5600	120	AVG	242T	17.41	23.73	-6.32	5.60	23.01	29.73	-6.72
	5720	144	AVG	242T	17.24	23.73	-6.49	5.60	22.84	29.73	-6.89
	5745	149	AVG	242T	17.27	30.00	-12.73	3.60	20.87	-	-
	5785	157	AVG	242T	17.18	30.00	-12.82	3.60	20.78	-	-
	5825	165	AVG	242T	17.16	30.00	-12.84	3.60	20.76	-	-

Table 7-25. SISO SOUTH 20MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					61	62						
	5190	38	AVG	242T	13.12	13.09	23.98	-10.86	6.20	19.32	22.68	-3.36
	5230	46	AVG	242T	13.07	13.08	23.98	-10.90	6.20	19.28	22.68	-3.40
	5270	54	AVG	242T	17.11	17.11	23.71	-6.60	6.30	23.41	29.73	-6.32
	5310	62	AVG	242T	17.24	17.33	23.71	-6.38	6.30	23.63	29.73	-6.10
	5510	102	AVG	242T	17.18	17.16	23.73	-6.55	5.60	22.78	29.73	-6.95
	5590	118	AVG	242T	17.33	17.48	23.73	-6.25	5.60	23.08	29.73	-6.65
	5710	142	AVG	242T	17.17	17.25	23.73	-6.48	5.60	22.85	29.73	-6.88
	5755	151	AVG	242T	17.19	17.23	30.00	-12.77	3.60	20.83	-	-
	5795	159	AVG	242T	17.09	17.05	30.00	-12.91	3.60	20.69	-	-

Table 7-26. SISO SOUTH 40MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					61	62	64						
	5210	42	AVG	242T	13.37	13.32	13.36	23.98	-10.61	6.20	19.57	22.68	-3.11
	5290	58	AVG	242T	17.16	17.19	17.43	23.47	-6.04	6.30	23.73	29.73	-6.00
	5530	106	AVG	242T	17.07	17.12	17.31	22.80	-5.49	5.60	22.91	29.73	-6.82
	5610	122	AVG	242T	17.15	17.31	17.26	22.80	-5.49	5.60	22.91	29.73	-6.82
	5690	138	AVG	242T	17.21	17.32	17.13	22.80	-5.48	5.60	22.92	29.73	-6.81
	5775	155	AVG	242T	17.34	17.33	17.42	30.00	-12.58	3.60	21.02	-	-

Table 7-27. SISO SOUTH 80MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

5Ghz (160MHz BW L)	Freq [MHz]	Channel	Tones	Detector	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					61	62	64						
	5250	50	242T	AVG	13.32	13.24	13.14	23.98	-10.66	6.20	19.52	22.68	-3.16
	5570	114	242T	AVG	17.00	16.89	16.98	23.73	-6.73	5.60	22.60	-	-

Table 7-28. SISO SOUTH 160MHz BW (L) (UNII) Maximum Conducted Output Power (242 Tones)

5Ghz (160MHz BW U)	Freq [MHz]	Channel	Tones	Detector	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					61	62	64						
	5250	50	242T	AVG	17.39	17.47	17.38	23.71	-6.24	6.30	23.77	29.37	-5.60
	5570	114	242T	AVG	17.06	17.25	17.23	23.73	-6.48	5.60	22.85	-	-

Table 7-29. SISO SOUTH 160MHz BW (U) (UNII) Maximum Conducted Output Power (242 Tones)

SISO SOUTH Conducted Output Power Measurements (484 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					65						
	5190	38	AVG	484T	14.72	23.98	-9.26	6.20	20.92	22.68	-1.76
	5230	46	AVG	484T	14.81	23.98	-9.17	6.20	21.01	22.68	-1.67
	5270	54	AVG	484T	14.67	23.71	-9.04	6.30	20.97	29.73	-8.76
	5310	62	AVG	484T	14.56	23.71	-9.15	6.30	20.86	29.73	-8.87
	5510	102	AVG	484T	14.68	23.73	-9.05	5.60	20.28	29.73	-9.45
	5590	118	AVG	484T	17.41	23.73	-6.32	5.60	23.01	29.73	-6.72
	5710	142	AVG	484T	17.21	23.73	-6.52	5.60	22.81	29.73	-6.92
	5755	151	AVG	484T	16.27	30.00	-13.73	3.60	19.87	-	-
	5795	159	AVG	484T	16.24	30.00	-13.76	3.60	19.84	-	-

Table 7-30. SISO SOUTH 40MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					65	66						
	5210	42	AVG	484T	14.67	14.78	23.98	-9.20	6.20	20.98	22.68	-1.70
	5290	58	AVG	484T	14.71	14.83	23.71	-8.88	6.30	21.13	29.73	-8.60
	5530	106	AVG	484T	14.46	14.15	23.73	-9.27	5.60	20.06	29.73	-9.67
	5610	122	AVG	484T	17.21	17.08	23.73	-6.52	5.60	22.81	29.73	-6.92
	5690	138	AVG	484T	17.16	17.41	23.73	-6.32	5.60	23.01	29.73	-6.72
	5775	155	AVG	484T	16.25	16.37	30.00	-13.63	3.60	19.97	-	-

Table 7-31. SISO SOUTH 80MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

5Ghz (160MHz BW L)	Freq [MHz]	Channel	Tones	Detector	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					65	66						
	5250	50	484T	AVG	14.76	14.67	23.98	-9.22	6.20	20.96	22.68	-1.72
	5570	114	484T	AVG	17.47	17.36	23.73	-6.26	5.60	23.07	-	-

Table 7-32. SISO SOUTH 160MHz BW (L) (UNII) Maximum Conducted Output Power (484 Tones)

5Ghz (160MHz BW U)	Freq [MHz]	Channel	Tones	Detector	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					65	66						
	5250	50	484T	AVG	14.50	14.61	23.71	-9.10	6.30	20.91	29.37	-8.46
	5570	114	484T	AVG	17.38	17.43	23.73	-6.30	5.60	23.03	-	-

Table 7-33. SISO SOUTH 160MHz BW (U) (UNII) Maximum Conducted Output Power (484 Tones)

SISO SOUTH Conducted Output Power Measurements (996 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					67						
	5210	42	AVG	996T	15.34	23.98	-8.64	6.20	21.54	22.68	-1.14
	5290	58	AVG	996T	13.45	23.71	-10.26	6.30	19.75	29.73	-9.98
	5530	106	AVG	996T	14.89	23.73	-8.84	5.60	20.49	29.73	-9.24
	5610	122	AVG	996T	16.28	23.73	-7.45	5.60	21.88	29.73	-7.85
	5690	138	AVG	996T	16.14	23.73	-7.59	5.60	21.74	29.73	-7.99
	5775	155	AVG	996T	16.25	30.00	-13.75	3.60	19.85	-	-

Table 7-34. SISO SOUTH 80MHz BW (UNII) Maximum Conducted Output Power (996 Tones)

5Ghz (160MHz BW L)	Freq [MHz]	Channel	Tones	Detector	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					67						
	5250	50	996T	AVG	13.45	23.98	-10.53	6.20	19.65	22.68	-3.03
	5570	114	996T	AVG	14.15	23.73	-9.58	5.60	19.75	-	-

Table 7-35. SISO SOUTH 160MHz BW (L) (UNII) Maximum Conducted Output Power (996 Tones)

5Ghz (160MHz BW U)	Freq [MHz]	Channel	Tones	Detector	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					67						
	5250	50	996T	AVG	13.41	23.71	-10.30	6.30	19.71	29.37	-9.66
	5570	114	996T	AVG	14.09	23.73	-9.64	5.60	19.69	-	-

Table 7-36. SISO SOUTH 160MHz BW (U) (UNII) Maximum Conducted Output Power (996 Tones)

SISO NORTH Conducted Output Power Measurements (26 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0	4	8						
	5180	36	AVG	26T	3.22	3.45	3.15	23.98	-20.53	-2.10	1.35	22.68	-21.33
	5200	40	AVG	26T	3.11	3.28	3.08	23.98	-20.70	-2.10	1.18	22.68	-21.50
	5240	48	AVG	26T	3.05	3.45	3.14	23.98	-20.53	-2.10	1.35	22.68	-21.33
	5260	52	AVG	26T	9.56	9.09	9.58	23.71	-14.13	-0.80	8.78	29.73	-20.95
	5280	56	AVG	26T	9.67	9.01	9.49	23.71	-14.04	-0.80	8.87	29.73	-20.86
	5320	64	AVG	26T	9.53	9.02	9.55	23.71	-14.16	-0.80	8.75	29.73	-20.98
	5500	100	AVG	26T	9.10	8.59	9.05	23.73	-14.63	0.40	9.50	29.73	-20.23
	5600	120	AVG	26T	8.99	8.39	8.88	23.73	-14.74	0.40	9.39	29.73	-20.34
	5720	144	AVG	26T	8.70	8.23	8.85	23.73	-14.88	0.40	9.25	29.73	-20.48
	5745	149	AVG	26T	16.36	15.99	16.49	30.00	-13.51	-0.30	16.19	-	-
	5785	157	AVG	26T	16.08	16.32	16.21	30.00	-13.68	-0.30	16.02	-	-
	5825	165	AVG	26T	16.19	16.34	16.25	30.00	-13.66	-0.30	16.04	-	-

Table 7-37. SISO NORTH 20MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0	8	17						
	5190	38	AVG	26T	2.69	2.51	2.88	23.98	-21.10	-2.10	0.78	22.68	-21.90
	5230	46	AVG	26T	2.83	2.93	3.28	23.98	-20.70	-2.10	1.18	22.68	-21.50
	5270	54	AVG	26T	9.60	9.51	9.97	23.71	-13.74	-0.80	9.17	29.73	-20.56
	5310	62	AVG	26T	9.62	9.61	9.52	23.71	-14.09	-0.80	8.82	29.73	-20.91
	5510	102	AVG	26T	9.12	9.15	9.08	23.73	-14.58	0.40	9.55	29.73	-20.18
	5590	118	AVG	26T	9.21	9.25	9.34	23.73	-14.39	0.40	9.74	29.73	-19.99
	5710	142	AVG	26T	9.43	9.36	9.47	23.73	-14.26	0.40	9.87	29.73	-19.86
	5755	151	AVG	26T	17.13	17.08	17.37	30.00	-12.63	-0.30	17.07	-	-
	5795	159	AVG	26T	17.19	17.22	17.43	30.00	-12.57	-0.30	17.13	-	-

Table 7-38. SISO NORTH 40MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0	18	36						
	5210	42	AVG	26T	3.13	3.18	3.68	23.98	-20.30	-2.10	1.58	22.68	-21.10
	5290	58	AVG	26T	9.58	9.69	9.79	23.71	-13.92	-0.80	8.99	29.73	-20.74
	5530	106	AVG	26T	9.35	9.32	9.26	23.73	-14.38	0.40	9.75	29.73	-19.98
	5610	122	AVG	26T	9.21	9.25	9.18	23.73	-14.48	0.40	9.65	29.73	-20.08
	5690	138	AVG	26T	9.24	9.31	9.25	23.73	-14.42	0.40	9.71	29.73	-20.02
	5775	155	AVG	26T	17.25	17.29	17.36	30.00	-12.64	-0.30	17.06	-	-

Table 7-39. SISO NORTH 80MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

5Ghz (160MHz BW L)	Freq [MHz]	Channel	Tones	Detector	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0	18	36						
	5250	50	26T	AVG	3.46	3.49	3.67	23.98	-20.31	-2.10	1.57	22.68	-21.11
	5570	114	26T	AVG	9.34	9.14	9.17	23.73	-7.21	0.40	16.92	-	-

Table 7-40. SISO NORTH 160MHz BW (L) (UNII) Maximum Conducted Output Power (26 Tones)

5GHz (160MHz Bandwidth U)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0	18	36						
	5250	50	AVG	26T	9.29	9.34	9.47	23.98	-14.51	-0.80	8.67	22.39	-13.72
	5570	114	AVG	26T	9.25	9.30	9.29	23.47	-14.17	0.40	9.70	-	-

Table 7-41. SISO NORTH 160MHz BW (U) (UNII) Maximum Conducted Output Power (26 Tones)

SISO NORTH Conducted Output Power Measurements (52 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37	39	40						
	5180	36	AVG	52T	5.05	4.79	5.06	23.98	-18.92	-2.10	2.96	22.68	-19.72
	5200	40	AVG	52T	5.01	5.01	5.18	23.98	-18.80	-2.10	3.08	22.68	-19.60
	5240	48	AVG	52T	5.17	5.13	5.25	23.98	-18.73	-2.10	3.15	22.68	-19.53
	5260	52	AVG	52T	11.81	11.62	12.01	23.71	-11.70	-0.80	11.21	29.73	-18.52
	5280	56	AVG	52T	11.76	11.65	11.98	23.71	-11.73	-0.80	11.18	29.73	-18.55
	5320	64	AVG	52T	11.68	11.63	11.85	23.71	-11.86	-0.80	11.05	29.73	-18.68
	5500	100	AVG	52T	11.75	11.65	11.91	23.73	-11.82	0.40	12.31	29.73	-17.42
	5600	120	AVG	52T	11.72	11.63	11.92	23.73	-11.81	0.40	12.32	29.73	-17.41
	5720	144	AVG	52T	11.55	11.47	11.75	23.73	-11.98	0.40	12.15	29.73	-17.58
	5745	149	AVG	52T	17.18	17.02	17.24	30.00	-12.76	-0.30	16.94	-	-
	5785	157	AVG	52T	17.23	17.13	17.28	30.00	-12.72	-0.30	16.98	-	-
	5825	165	AVG	52T	17.42	17.26	17.42	30.00	-12.58	-0.30	17.12	-	-

Table 7-42. SISO NORTH 20MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37	40	44						
	5190	38	AVG	52T	5.13	5.07	5.38	23.98	-18.60	-2.10	3.28	22.68	-19.40
	5230	46	AVG	52T	5.18	5.06	5.26	23.98	-18.72	-2.10	3.16	22.68	-19.52
	5270	54	AVG	52T	12.17	12.08	12.41	23.71	-11.30	-0.80	11.61	29.73	-18.12
	5310	62	AVG	52T	12.16	12.13	12.49	23.71	-11.22	-0.80	11.69	29.73	-18.04
	5510	102	AVG	52T	11.61	11.64	11.92	23.73	-11.81	0.40	12.32	29.73	-17.41
	5590	118	AVG	52T	12.17	12.18	12.43	23.73	-11.30	0.40	12.83	29.73	-16.90
	5710	142	AVG	52T	12.07	12.03	12.32	23.73	-11.41	0.40	12.72	29.73	-17.01
	5755	151	AVG	52T	17.18	17.18	17.42	30.00	-12.58	-0.30	17.12	-	-
	5795	159	AVG	52T	17.27	17.37	17.46	30.00	-12.54	-0.30	17.16	-	-

Table 7-43. SISO NORTH 40MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37	44	52						
	5210	42	AVG	52T	5.41	5.43	5.40	23.98	-18.55	-2.10	3.33	22.68	-19.35
	5290	58	AVG	52T	12.07	12.26	12.27	23.71	-11.44	-0.80	11.47	29.73	-18.26
	5530	106	AVG	52T	12.04	12.48	12.47	23.73	-11.25	0.40	12.88	29.73	-16.85
	5610	122	AVG	52T	12.11	12.32	12.26	23.73	-11.41	0.40	12.72	29.73	-17.01
	5690	138	AVG	52T	12.22	12.35	12.29	23.73	-11.38	0.40	12.75	29.73	-16.98
	5775	155	AVG	52T	17.29	17.00	17.37	30.00	-12.63	-0.30	17.07	-	-

Table 7-44. SISO NORTH 80MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (160MHz BW L)	Freq [MHz]	Channel	Tones	Detector	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37	44	52						
	5250	50	52T	AVG	5.22	5.18	5.39	23.98	-18.59	-2.10	3.29	22.68	-19.39
	5570	114	52T	AVG	11.74	11.84	11.93	23.73	-11.80	0.40	12.33	-	-

Table 7-45. SISO NORTH 160MHz BW (L) (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (160MHz Bandwidth U)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37	44	52						
	5250	50	AVG	52T	12.38	12.25	12.05	23.98	-11.60	-0.80	11.58	22.39	-10.81
	5570	114	AVG	52T	11.55	11.80	12.20	23.47	-11.27	0.40	12.60	-	-

Table 7-46. SISO NORTH 160MHz BW (U) (UNII) Maximum Conducted Output Power (52 Tones)

SISO NORTH Conducted Output Power Measurements (106 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53	54						
	5180	36	AVG	106T	9.24	9.13	23.98	-14.74	-2.10	7.14	22.68	-15.54
	5200	40	AVG	106T	9.24	9.27	23.98	-14.71	-2.10	7.17	22.68	-15.51
	5240	48	AVG	106T	9.33	9.38	23.98	-14.60	-2.10	7.28	22.68	-15.40
	5260	52	AVG	106T	15.00	14.92	23.71	-8.71	-0.80	14.20	29.73	-15.53
	5280	56	AVG	106T	14.98	14.86	23.71	-8.73	-0.80	14.18	29.73	-15.55
	5320	64	AVG	106T	14.86	14.71	23.71	-8.85	-0.80	14.06	29.73	-15.67
	5500	100	AVG	106T	14.27	14.31	23.73	-9.42	0.40	14.71	29.73	-15.02
	5600	120	AVG	106T	14.07	14.03	23.73	-9.66	0.40	14.47	29.73	-15.26
	5720	144	AVG	106T	14.21	14.17	23.73	-9.52	0.40	14.61	29.73	-15.12
	5745	149	AVG	106T	17.19	17.27	30.00	-12.73	-0.30	16.97	-	-
	5785	157	AVG	106T	17.28	17.34	30.00	-12.66	-0.30	17.04	-	-
	5825	165	AVG	106T	17.44	17.48	30.00	-12.52	-0.30	17.18	-	-

Table 7-47. SISO NORTH 20MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53	54	56						
	5190	38	AVG	106T	9.10	8.99	9.24	23.98	-14.74	-2.10	7.14	22.68	-15.54
	5230	46	AVG	106T	9.05	9.22	9.41	23.98	-14.57	-2.10	7.31	22.68	-15.37
	5270	54	AVG	106T	15.36	15.34	15.05	23.47	-8.11	-0.80	14.56	29.73	-15.17
	5310	62	AVG	106T	15.29	15.26	14.94	23.47	-8.18	-0.80	14.49	29.73	-15.24
	5510	102	AVG	106T	14.65	14.72	14.87	22.80	-7.93	0.40	15.27	29.73	-14.46
	5590	118	AVG	106T	14.45	14.58	14.65	22.80	-8.15	0.40	15.05	29.73	-14.68
	5710	142	AVG	106T	14.78	14.82	14.91	22.80	-7.89	0.40	15.31	29.73	-14.42
	5755	151	AVG	106T	17.23	17.22	17.46	30.00	-12.54	-0.30	17.16	-	-
	5795	159	AVG	106T	17.46	17.29	17.49	30.00	-12.51	-0.30	17.19	-	-

Table 7-48. SISO NORTH 40MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53	56	60						
	5210	42	AVG	106T	8.70	8.71	9.04	23.98	-14.94	-2.10	6.94	22.68	-15.74
	5290	58	AVG	106T	15.17	15.41	15.25	23.71	-8.30	-0.80	14.61	29.73	-15.12
	5530	106	AVG	106T	14.81	14.85	14.78	23.73	-8.88	0.40	15.25	29.73	-14.48
	5610	122	AVG	106T	14.95	14.73	14.81	23.73	-8.78	0.40	15.35	29.73	-14.38
	5690	138	AVG	106T	14.87	14.85	14.91	23.73	-8.82	0.40	15.31	29.73	-14.42
	5775	155	AVG	106T	17.41	17.42	17.30	30.00	-12.58	-0.30	17.12	-	-

Table 7-49. SISO NORTH 80MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

5Ghz (160MHz BW L)	Freq [MHz]	Channel	Tones	Detector	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53	56	60						
	5250	50	106T	AVG	9.03	8.84	9.02	23.98	-14.95	-2.10	6.93	22.68	-15.75
	5570	114	106T	AVG	14.91	14.87	14.97	23.73	-8.76	0.30	15.27	-	-

Table 7-50. SISO NORTH 160MHz BW (L) (UNII) Maximum Conducted Output Power (106 Tones)

5GHz (160MHz Bandwidth U)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53	56	60						
	5250	50	AVG	106T	15.32	15.15	15.34	23.98	-8.64	-0.80	14.54	22.39	-7.85
	5570	114	AVG	106T	14.45	14.37	14.88	23.47	-8.59	0.40	15.28	-	-

Table 7-51. SISO NORTH 160MHz BW (U) (UNII) Maximum Conducted Output Power (106 Tones)

SISO NORTH Conducted Output Power Measurements (242 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					61						
	5180	36	AVG	242T	13.46	23.98	-10.52	-2.10	11.36	22.68	-11.32
	5200	40	AVG	242T	13.44	23.98	-10.54	-2.10	11.34	22.68	-11.34
	5240	48	AVG	242T	13.02	23.98	-10.96	-2.10	10.92	22.68	-11.76
	5260	52	AVG	242T	17.34	23.71	-6.37	-0.80	16.54	29.73	-13.19
	5280	56	AVG	242T	17.29	23.71	-6.42	-0.80	16.49	29.73	-13.24
	5320	64	AVG	242T	17.31	23.71	-6.40	-0.80	16.51	29.73	-13.22
	5500	100	AVG	242T	17.33	23.73	-6.40	0.40	17.73	29.73	-12.00
	5600	120	AVG	242T	17.21	23.73	-6.52	0.40	17.61	29.73	-12.12
	5720	144	AVG	242T	17.09	23.73	-6.64	0.40	17.49	29.73	-12.24
	5745	149	AVG	242T	17.26	30.00	-12.74	-0.30	16.96	-	-
	5785	157	AVG	242T	17.33	30.00	-12.67	-0.30	17.03	-	-
	5825	165	AVG	242T	17.47	30.00	-12.53	-0.30	17.17	-	-

Table 7-52. SISO NORTH 20MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					61	62						
	5190	38	AVG	242T	13.32	13.48	23.98	-10.50	-2.10	11.38	22.68	-11.30
	5230	46	AVG	242T	13.44	13.11	23.98	-10.54	-2.10	11.34	22.68	-11.34
	5270	54	AVG	242T	17.17	17.39	23.71	-6.32	-0.80	16.59	29.73	-13.14
	5310	62	AVG	242T	17.24	17.38	23.71	-6.33	-0.80	16.58	29.73	-13.15
	5510	102	AVG	242T	17.19	17.35	23.73	-6.38	0.40	17.75	29.73	-11.98
	5590	118	AVG	242T	17.13	17.35	23.73	-6.38	0.40	17.75	29.73	-11.98
	5710	142	AVG	242T	17.04	17.22	23.73	-6.51	0.40	17.62	29.73	-12.11
	5755	151	AVG	242T	17.16	17.32	30.00	-12.68	-0.30	17.02	-	-
	5795	159	AVG	242T	17.24	17.33	30.00	-12.67	-0.30	17.03	-	-

Table 7-53. SISO NORTH 40MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					61	62	64						
	5210	42	AVG	242T	13.42	13.49	13.48	23.98	-10.49	-2.10	11.39	22.68	-11.29
	5290	58	AVG	242T	17.48	17.19	17.19	23.71	-6.23	-0.80	16.68	29.73	-13.05
	5530	106	AVG	242T	17.15	17.25	17.49	23.73	-6.24	0.40	17.89	29.73	-11.84
	5610	122	AVG	242T	17.49	17.16	17.09	23.73	-6.24	0.40	17.89	29.73	-11.84
	5690	138	AVG	242T	16.79	17.16	17.11	23.73	-6.57	0.40	17.56	29.73	-12.17
	5775	155	AVG	242T	17.32	17.39	17.27	30.00	-12.61	-0.30	17.09	-	-

Table 7-54. SISO NORTH 80MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

5Ghz (160MHz BW L)	Freq [MHz]	Channel	Tones	Detector	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					61	62	64						
	5250	50	242T	AVG	12.89	13.02	13.08	23.98	-10.90	-2.10	10.98	22.68	-11.70
	5570	114	242T	AVG	17.09	17.13	17.13	23.73	-6.60	0.40	17.53	-	-

Table 7-55. SISO NORTH 160MHz BW (L) (UNII) Maximum Conducted Output Power (242 Tones)

5GHz (160MHz Bandwidth U)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					61	62	64						
	5250	50	AVG	242T	17.47	17.17	17.44	23.98	-6.51	-0.80	16.67	22.39	-5.72
	5570	114	AVG	242T	17.42	17.09	17.34	23.47	-6.05	0.40	17.82	-	-

Table 7-56. SISO NORTH 160MHz BW (U) (UNII) Maximum Conducted Output Power (242 Tones)

SISO NORTH Conducted Output Power Measurements (484 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					65						
	5190	38	AVG	484T	14.78	23.98	-9.20	-2.10	12.68	22.68	-10.00
	5230	46	AVG	484T	14.65	23.98	-9.33	-2.10	12.55	22.68	-10.13
	5270	54	AVG	484T	14.61	23.71	-9.10	-0.80	13.81	29.73	-15.92
	5310	62	AVG	484T	14.76	23.71	-8.95	-0.80	13.96	29.73	-15.77
	5510	102	AVG	484T	14.85	23.73	-8.88	0.40	15.25	29.73	-14.48
	5590	118	AVG	484T	17.21	23.73	-6.52	0.40	17.61	29.73	-12.12
	5710	142	AVG	484T	17.12	23.73	-6.61	0.40	17.52	29.73	-12.21
	5755	151	AVG	484T	16.04	30.00	-13.96	-0.30	15.74	-	-
	5795	159	AVG	484T	16.32	30.00	-13.68	-0.30	16.02	-	-

Table 7-57. SISO NORTH 40MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					65	66						
	5210	42	AVG	484T	14.65	14.67	23.98	-9.31	-2.10	12.57	22.68	-10.11
	5290	58	AVG	484T	14.72	14.81	23.71	-8.90	-0.80	14.01	29.73	-15.72
	5530	106	AVG	484T	17.08	17.33	23.73	-6.40	0.40	17.73	29.73	-12.00
	5610	122	AVG	484T	17.48	17.36	23.73	-6.25	0.40	17.88	29.73	-11.85
	5690	138	AVG	484T	17.44	17.36	23.73	-6.29	0.40	17.84	29.73	-11.89
	5775	155	AVG	484T	16.26	16.04	30.00	-13.74	-0.30	15.96	-	-

Table 7-58. SISO NORTH 80MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

5Ghz (160MHz BW L)	Freq [MHz]	Channel	Tones	Detector	RU Index		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					65	66						
	5250	50	484T	AVG	14.67	14.78	23.98	-9.20	-2.10	12.68	22.68	-10.00
	5570	114	484T	AVG	17.04	17.06	23.73	-6.67	0.40	17.46	-	-

Table 7-59. SISO NORTH 160MHz BW (L) (UNII) Maximum Conducted Output Power (484 Tones)

5GHz (160MHz Bandwidth U)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					65						
	5250	50	AVG	484T	14.64	23.98	-9.31	-0.80	13.87	22.39	-8.52
	5570	114	AVG	484T	17.11	23.47	-6.20	0.40	17.67	-	-

Table 7-60. SISO NORTH 160MHz BW (U) (UNII) Maximum Conducted Output Power (484 Tones)

SISO NORTH Conducted Output Power Measurements (996 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					67						
	5210	42	AVG	996T	15.34	23.98	-8.64	-2.10	13.24	22.68	-9.44
	5290	58	AVG	996T	13.24	23.71	-10.47	-0.80	12.44	29.73	-17.29
	5530	106	AVG	996T	14.45	23.73	-9.28	0.40	14.85	29.73	-14.88
	5610	122	AVG	996T	16.49	23.73	-7.24	0.40	16.89	29.73	-12.84
	5690	138	AVG	996T	16.34	23.73	-7.39	0.40	16.74	29.73	-12.99
	5775	155	AVG	996T	16.24	30.00	-13.76	-0.30	15.94	-	-

Table 7-61. SISO NORTH 80MHz BW (UNII) Maximum Conducted Output Power (996 Tones)

5Ghz (160MHz BW L)	Freq [MHz]	Channel	Tones	Detector	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					67						
	5250	50	996T	AVG	13.40	23.98	-10.58	-2.10	11.30	22.68	-11.38
	5570	114	996T	AVG	14.25	23.73	-9.48	0.40	14.65	-	-

Table 7-62. SISO NORTH 160MHz BW (L) (UNII) Maximum Conducted Output Power (996 Tones)

5GHz (160MHz Bandwidth U)	Freq [MHz]	Channel	Detector	Tones	RU Index	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					67						
	5250	50	AVG	996T	13.04	23.98	-10.94	-0.80	12.24	22.39	-10.15
	5570	114	AVG	996T	14.24	23.47	-9.23	0.40	14.64	-	-

Table 7-63. SISO NORTH 160MHz BW (U) (UNII) Maximum Conducted Output Power (996 Tones)

MIMO Maximum Conducted Output Power Measurements (26 Tones)

	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0			4			8								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
5GHz (20MHz Bandwidth)	5180	36	AVG	26T	3.99	2.37	6.27	3.44	2.02	5.80	3.70	2.56	6.18	23.98	-17.71	6.02	12.29	22.68	-10.39
	5200	40	AVG	26T	3.98	2.33	6.24	3.47	2.14	5.87	3.65	2.66	6.19	23.98	-17.74	6.02	12.26	22.68	-10.42
	5240	48	AVG	26T	3.74	2.37	6.12	3.49	2.49	6.03	3.89	3.02	6.49	23.98	-17.49	6.02	12.51	22.68	-10.17
	5260	52	AVG	26T	9.92	9.46	12.71	9.31	9.11	12.22	9.64	9.68	12.67	23.71	-11.00	6.47	19.18	29.73	-10.55
	5280	56	AVG	26T	9.86	9.42	12.66	9.23	9.16	12.21	9.69	9.88	12.80	23.71	-10.91	6.47	19.27	29.73	-10.46
	5320	64	AVG	26T	9.95	9.37	12.68	9.32	9.11	12.23	9.74	9.80	12.78	23.71	-10.93	6.47	19.25	29.73	-10.48
	5500	100	AVG	26T	9.49	8.96	12.24	9.15	8.73	11.96	9.48	9.41	12.46	23.73	-11.27	6.39	18.85	29.73	-10.88
	5600	120	AVG	26T	9.18	8.77	11.99	8.79	8.58	11.70	9.39	9.23	12.32	23.73	-11.41	6.39	18.71	29.73	-11.02
	5720	144	AVG	26T	8.90	7.96	11.47	8.64	7.70	11.21	9.13	8.39	11.79	23.73	-11.94	6.39	18.18	29.73	-11.55
	5745	149	AVG	26T	17.10	16.16	19.67	17.20	16.54	19.89	17.48	16.66	20.10	30.00	-9.90	4.88	24.98	-	-
	5785	157	AVG	26T	16.91	15.99	19.48	17.13	16.17	19.69	17.38	16.37	19.91	30.00	-10.09	4.88	24.79	-	-
	5825	165	AVG	26T	16.89	15.95	19.46	16.98	16.14	19.59	17.25	16.30	19.81	30.00	-10.19	4.88	24.69	-	-

Table 7-64. MIMO 20MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0			8			17								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
5GHz (40MHz Bandwidth)	5190	38	AVG	26T	3.95	2.23	6.18	3.46	2.23	5.90	3.66	2.59	6.17	23.98	-17.79	6.02	12.20	22.68	-10.48
	5230	46	AVG	26T	3.99	2.47	6.31	3.51	2.49	6.04	3.67	2.93	6.33	23.98	-17.65	6.02	12.35	22.68	-10.33
	5270	54	AVG	26T	9.89	8.95	12.46	9.85	9.17	12.53	9.87	9.12	12.52	23.71	-11.18	6.47	19.00	29.73	-10.73
	5310	62	AVG	26T	9.87	9.04	12.49	9.89	9.21	12.57	9.88	9.23	12.58	23.71	-11.13	6.47	19.05	29.73	-10.68
	5510	102	AVG	26T	9.42	8.17	11.85	9.31	8.45	11.91	9.38	8.35	11.91	23.73	-11.82	6.39	18.30	29.73	-11.43
	5590	118	AVG	26T	9.28	8.08	11.73	9.18	8.43	11.83	9.18	8.31	11.78	23.73	-11.90	6.39	18.22	29.73	-11.51
	5710	142	AVG	26T	9.35	8.09	11.78	9.49	8.05	11.84	9.49	8.07	11.85	23.73	-11.88	6.39	18.24	29.73	-11.49
	5755	151	AVG	26T	17.47	16.27	19.92	17.49	16.48	20.02	17.49	16.48	20.02	30.00	-9.98	4.88	24.90	-	-
	5795	159	AVG	26T	17.32	15.96	19.70	17.49	16.14	19.88	17.29	16.03	19.72	30.00	-10.12	4.88	24.76	-	-

Table 7-65. MIMO 40MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0			18			36								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
5GHz (80MHz Bandwidth)	5210	42	AVG	26T	3.98	3.02	6.54	3.56	3.03	6.31	3.65	3.02	6.36	23.98	-17.44	6.02	12.56	22.68	-10.12
	5290	58	AVG	26T	9.80	8.87	12.37	9.81	9.11	12.48	9.53	9.12	12.34	23.71	-11.23	6.47	18.95	29.73	-10.78
	5530	106	AVG	26T	9.42	8.02	11.79	9.34	8.03	11.74	9.43	7.95	11.76	23.73	-11.94	6.39	18.18	29.73	-11.55
	5610	122	AVG	26T	9.48	8.21	11.90	9.37	8.11	11.80	9.45	8.08	11.83	23.73	-11.83	6.39	18.29	29.73	-11.44
	5690	138	AVG	26T	9.43	7.95	11.76	9.44	7.91	11.75	9.48	7.79	11.73	23.73	-11.97	6.39	18.15	29.73	-11.58
	5775	155	AVG	26T	17.46	15.82	19.73	17.23	15.94	19.64	17.27	15.89	19.64	30.00	-10.27	4.88	24.61	-	-

Table 7-66. MIMO 80MHz BW (UNII) Maximum Conducted Output Power (26 Tones)

	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0			18			36								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
5GHz (160MHz BW L)	5250	50	AVG	26T	3.85	2.93	6.42	3.70	2.96	6.36	3.37	3.13	6.26	23.98	-17.56	6.02	12.38	22.68	-10.30
	5570	114	AVG	26T	9.43	8.67	12.08	9.37	8.75	12.08	9.41	8.93	12.19	23.73	-11.54	6.39	18.47	-	-

Table 7-67. MIMO 160MHz BW (L) (UNII) Maximum Conducted Output Power (26 Tones)

	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					0			18			36								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
5GHz (160MHz BW U)	5250	50	AVG	26T	9.57	8.92	12.27	9.67	9.24	12.47	9.86	9.56	12.72	23.71	-10.99	6.47	18.74	29.73	-10.99
	5570	114	AVG	26T	9.24	8.43	11.86	9.31	8.54	11.95	9.37	8.75	12.08	23.73	-11.65	6.39	18.25	-	-

Table 7-68. MIMO 160MHz BW (U) (UNII) Maximum Conducted Output Power (26 Tones)

MIMO Conducted Output Power Measurements (52 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37			39			40								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
	5180	36	AVG	52T	5.28	4.97	8.14	4.95	4.62	7.80	4.81	5.13	7.98	23.98	-15.84	6.02	14.16	22.68	-8.52
	5200	40	AVG	52T	5.43	5.08	8.27	5.48	5.13	8.32	4.73	5.07	7.91	23.98	-15.66	6.02	14.34	22.68	-8.34
	5240	48	AVG	52T	5.38	5.36	8.38	5.32	4.65	8.01	5.24	5.02	8.14	23.98	-15.60	6.02	14.40	22.68	-8.28
	5260	52	AVG	52T	12.49	11.79	15.16	12.38	11.65	15.04	12.32	12.04	15.19	23.71	-8.52	6.47	21.66	29.73	-8.07
	5280	56	AVG	52T	12.47	11.75	15.14	12.38	11.55	15.00	12.07	11.84	14.97	23.71	-8.57	6.47	21.61	29.73	-8.12
	5320	64	AVG	52T	12.35	11.68	15.04	12.26	11.57	14.94	12.18	12.06	15.13	23.71	-8.58	6.47	21.60	29.73	-8.13
	5500	100	AVG	52T	12.41	11.68	15.07	12.47	11.55	15.04	12.29	12.27	15.29	23.73	-8.44	6.39	21.68	29.73	-8.05
	5600	120	AVG	52T	12.12	11.73	14.94	12.16	11.63	14.91	12.26	12.16	15.22	23.73	-8.51	6.39	21.61	29.73	-8.12
	5720	144	AVG	52T	11.81	10.81	14.35	11.80	10.73	14.31	11.95	11.35	14.67	23.73	-9.06	6.39	21.06	29.73	-8.67
	5745	149	AVG	52T	17.11	16.04	19.62	17.36	16.49	19.96	17.48	16.81	20.17	30.00	-9.83	4.88	25.05	-	-
	5785	157	AVG	52T	16.97	15.87	19.47	17.19	16.28	19.77	17.49	16.57	20.06	30.00	-9.94	4.88	24.94	-	-
	5825	165	AVG	52T	17.24	16.34	19.82	17.07	16.20	19.67	17.43	16.55	20.02	30.00	-9.98	4.88	24.90	-	-

Table 7-69. MIMO 20MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37			40			44								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
	5190	38	AVG	52T	5.43	4.99	8.23	5.40	4.76	8.10	5.47	4.97	8.24	23.98	-15.74	6.02	14.26	22.68	-8.42
	5230	46	AVG	52T	5.49	5.14	8.33	5.48	4.75	8.14	5.49	5.04	8.28	23.98	-15.65	6.02	14.35	22.68	-8.33
	5270	54	AVG	52T	12.17	10.98	14.63	12.01	11.08	14.58	12.16	11.13	14.69	23.71	-9.02	6.47	21.16	29.73	-8.57
	5310	62	AVG	52T	12.09	11.03	14.60	12.13	11.11	14.66	12.02	11.15	14.62	23.71	-9.05	6.47	21.13	29.73	-8.60
	5510	102	AVG	52T	12.45	11.64	15.07	12.31	11.91	15.12	12.46	12.26	15.37	23.73	-8.36	6.39	21.76	29.73	-7.97
	5590	118	AVG	52T	12.27	11.45	14.89	12.34	11.56	14.98	12.32	11.27	14.84	23.73	-8.75	6.39	21.37	29.73	-8.36
	5710	142	AVG	52T	12.01	10.94	14.52	11.98	11.25	14.64	12.26	11.51	14.91	23.73	-8.82	6.39	21.30	29.73	-8.43
	5755	151	AVG	52T	17.06	15.84	19.50	17.02	16.06	19.58	17.43	16.40	19.96	30.00	-10.04	4.88	24.84	-	-
	5795	159	AVG	52T	17.49	16.18	19.89	17.49	16.23	19.92	17.44	16.02	19.80	30.00	-10.08	4.88	24.80	-	-

Table 7-70. MIMO 40MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37			44			52								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
	5210	42	AVG	52T	5.31	4.67	8.01	5.27	5.15	8.22	5.25	5.31	8.29	23.98	-15.69	6.02	14.31	22.68	-8.37
	5290	58	AVG	52T	12.10	10.92	14.56	12.10	11.12	14.65	12.35	11.62	15.01	23.71	-8.70	6.47	21.48	29.73	-8.25
	5530	106	AVG	52T	12.49	11.05	14.84	12.43	11.18	14.86	12.48	11.07	14.84	23.73	-8.87	6.39	21.25	29.73	-8.48
	5610	122	AVG	52T	12.17	11.03	14.65	12.48	11.37	14.97	12.43	11.23	14.88	23.73	-8.76	6.39	21.36	29.73	-8.37
	5690	138	AVG	52T	12.37	10.78	14.66	12.46	10.63	14.65	12.48	10.67	14.68	23.73	-9.05	6.39	21.07	29.73	-8.66
	5775	155	AVG	52T	17.49	15.90	19.78	17.28	15.85	19.63	17.12	15.67	19.47	30.00	-10.22	4.88	24.66	-	-

Table 7-71. MIMO 80MHz BW (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (160MHz BW L)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37			44			52								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
	5250	50	AVG	52T	5.49	4.85	8.19	5.35	4.76	8.08	5.43	4.81	8.14	23.98	-15.79	6.02	14.10	22.68	-8.58
	5570	114	AVG	52T	12.11	10.75	14.49	12.24	11.02	14.68	12.18	10.98	14.63	23.73	-9.05	6.39	21.07	-	-

Table 7-72. MIMO 160MHz BW (L) (UNII) Maximum Conducted Output Power (52 Tones)

5GHz (160MHz BW U)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					37			44			52								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
	5250	50	AVG	52T	12.20	11.33	14.80	12.41	11.74	15.10	12.28	11.92	15.11	23.71	-8.60	6.47	21.27	29.73	-8.46
	5570	114	AVG	52T	12.26	11.27	14.80	12.27	11.39	14.86	12.35	11.56	14.98	23.73	-8.75	6.39	21.19	-	-

Table 7-73. MIMO 160MHz BW (U) (UNII) Maximum Conducted Output Power (52 Tones)

MIMO Conducted Output Power Measurements (106 Tones)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53			54								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
	5180	36	AVG	106T	9.24	8.77	12.02	9.26	8.68	11.99	23.98	-11.96	6.02	18.04	22.68	-4.64
	5200	40	AVG	106T	9.29	8.65	11.99	9.12	8.71	11.93	23.98	-11.99	6.02	18.01	22.68	-4.67
	5240	48	AVG	106T	9.32	8.79	12.07	9.25	8.87	12.07	23.98	-11.90	6.02	18.09	22.68	-4.59
	5260	52	AVG	106T	15.03	14.89	17.97	15.05	15.01	18.04	23.71	-5.67	6.47	24.51	29.73	-5.22
	5280	56	AVG	106T	14.91	14.82	17.88	14.96	14.94	17.96	23.71	-5.75	6.47	24.43	29.73	-5.30
	5320	64	AVG	106T	15.12	14.63	17.89	15.19	14.87	18.04	23.71	-5.67	6.47	24.51	29.73	-5.22
	5500	100	AVG	106T	14.79	14.24	17.53	14.82	14.42	17.63	23.73	-6.10	6.39	24.02	29.73	-5.71
	5600	120	AVG	106T	14.86	14.06	17.49	14.95	14.22	17.61	23.73	-6.12	6.39	24.00	29.73	-5.73
	5720	144	AVG	106T	14.42	13.59	17.04	14.86	14.39	17.59	23.73	-6.14	6.39	23.98	29.73	-5.75
	5745	149	AVG	106T	17.07	16.22	19.68	17.16	16.33	19.78	30.00	-10.22	4.88	24.66	-	-
	5785	157	AVG	106T	17.48	16.61	20.08	17.45	16.65	20.08	30.00	-9.92	4.88	24.96	-	-
	5825	165	AVG	106T	17.38	16.26	19.87	17.46	16.26	19.91	30.00	-10.09	4.88	24.79	-	-

Table 7-74. MIMO 20MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53			54			56								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
	5190	38	AVG	106T	9.17	8.69	11.95	9.34	8.45	11.93	9.43	8.56	12.03	23.98	-11.95	6.02	18.05	22.68	-4.63
	5230	46	AVG	106T	9.34	8.84	12.11	9.18	7.72	11.52	9.03	7.89	11.51	23.98	-11.87	6.02	18.13	22.68	-4.55
	5270	54	AVG	106T	15.25	14.09	17.72	15.29	14.15	17.77	15.22	14.16	17.73	23.71	-5.94	6.47	24.24	29.73	-5.49
	5310	62	AVG	106T	14.91	13.98	17.48	14.89	14.06	17.51	14.89	14.05	17.50	23.71	-6.20	6.47	23.98	29.73	-5.75
	5510	102	AVG	106T	14.92	13.58	17.31	14.94	13.53	17.30	14.98	13.85	17.46	23.73	-6.27	6.39	23.85	29.73	-5.88
	5590	118	AVG	106T	14.84	13.15	17.09	14.85	13.17	17.10	14.99	13.52	17.33	23.73	-6.40	6.39	23.72	29.73	-6.01
	5710	142	AVG	106T	14.98	13.52	17.32	14.97	13.22	17.19	14.75	13.11	17.02	23.73	-6.41	6.39	23.71	29.73	-6.02
	5755	151	AVG	106T	17.14	16.00	19.62	17.07	15.93	19.55	17.33	16.23	19.83	30.00	-10.17	4.88	24.71	-	-
	5795	159	AVG	106T	16.98	15.74	19.41	17.01	15.69	19.41	17.22	15.88	19.61	30.00	-10.39	4.88	24.49	-	-

Table 7-75. MIMO 40MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53			56			60								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
	5210	42	AVG	106T	9.43	8.71	12.10	9.21	8.63	11.94	9.48	8.97	12.24	23.98	-11.74	6.02	18.26	22.68	-4.42
	5290	58	AVG	106T	15.15	14.03	17.64	15.17	14.15	17.70	15.41	14.57	18.02	23.71	-5.69	6.47	24.49	29.73	-5.24
	5530	106	AVG	106T	14.78	13.28	17.10	14.79	13.35	17.14	14.98	13.57	17.34	23.73	-6.39	6.39	23.73	29.73	-6.00
	5610	122	AVG	106T	14.98	13.35	17.25	14.73	13.09	17.00	14.83	13.29	17.14	23.73	-6.48	6.39	23.64	29.73	-6.09
	5690	138	AVG	106T	14.81	13.09	17.04	14.93	13.28	17.19	14.81	13.29	17.13	23.73	-6.54	6.39	23.58	29.73	-6.15
	5775	155	AVG	106T	17.22	16.04	19.68	17.24	16.46	19.88	17.31	16.36	19.87	30.00	-10.12	4.88	24.76	-	-

Table 7-76. MIMO 80MHz BW (UNII) Maximum Conducted Output Power (106 Tones)

5GHz (160MHz BW L)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53			56			60								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
	5250	50	AVG	106T	9.15	8.57	11.88	9.21	8.64	11.94	9.35	8.87	12.13	23.98	-11.85	6.02	17.96	22.68	-4.72
	5570	114	AVG	106T	14.78	13.86	17.35	14.88	14.02	17.48	14.79	13.95	17.40	23.73	-6.25	6.39	23.87	-	-

Table 7-77. MIMO 160MHz BW (L) (UNII) Maximum Conducted Output Power (106 Tones)

5GHz (160MHz BW U)	Freq [MHz]	Channel	Detector	Tones	RU Index									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					53			56			60								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
	5250	50	AVG	106T	15.08	14.59	17.85	15.35	15.06	18.22	15.28	15.15	18.23	23.71	-5.48	6.47	24.32	29.73	-5.41
	5570	114	AVG	106T	14.78	13.98	17.41	14.85	13.88	17.40	14.95	13.87	17.45	23.73	-6.28	6.39	23.80	-	-

Table 7-78. MIMO 160MHz BW (U) (UNII) Maximum Conducted Output Power (106 Tones)

MIMO Conducted Output Power Measurements (242 Tones)

	Freq [MHz]	Channel	Detector	Tones	RU Index 61 SOUTH	RU Index 61 NORTH	RU Index 61 MIMO	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (20MHz Bandwidth)	5180	36	AVG	242T	12.32	11.87	15.11	23.98	-8.87	6.02	21.13	22.68	-1.55
	5200	40	AVG	242T	12.35	11.81	15.10	23.98	-8.88	6.02	21.12	22.68	-1.56
	5240	48	AVG	242T	12.38	11.83	15.12	23.98	-8.86	6.02	21.14	22.68	-1.54
	5260	52	AVG	242T	17.40	16.98	20.21	23.71	-3.50	6.47	26.68	29.73	-3.05
	5280	56	AVG	242T	17.37	16.98	20.19	23.71	-3.52	6.47	26.66	29.73	-3.07
	5320	64	AVG	242T	17.46	17.01	20.25	23.71	-3.46	6.47	26.72	29.73	-3.01
	5500	100	AVG	242T	17.27	16.61	19.96	23.73	-3.77	6.39	26.35	29.73	-3.38
	5600	120	AVG	242T	17.07	16.47	19.79	23.73	-3.94	6.39	26.18	29.73	-3.55
	5720	144	AVG	242T	17.33	16.13	19.78	23.73	-3.95	6.39	26.17	29.73	-3.56
	5745	149	AVG	242T	17.09	16.21	19.68	30.00	-10.32	4.88	24.56	-	-
	5785	157	AVG	242T	17.39	16.57	20.01	30.00	-9.99	4.88	24.89	-	-
	5825	165	AVG	242T	17.34	16.19	19.81	30.00	-10.19	4.88	24.69	-	-

Table 7-79. MIMO 20MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

	Freq [MHz]	Channel	Detector	Tones	RU Index 61 SOUTH	RU Index 61 NORTH	RU Index 61 MIMO	RU Index 62 SOUTH	RU Index 62 NORTH	RU Index 62 MIMO	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (40MHz Bandwidth)	5190	38	AVG	242T	12.32	11.78	15.07	12.43	11.78	15.13	23.98	-8.85	6.02	21.15	22.68	-1.53
	5230	46	AVG	242T	12.35	11.79	15.09	12.45	11.91	15.20	23.98	-8.78	6.02	21.22	22.68	-1.46
	5270	54	AVG	242T	17.46	16.52	20.03	17.08	16.11	19.63	23.71	-3.68	6.47	26.50	29.73	-3.23
	5310	62	AVG	242T	17.49	16.47	20.02	17.22	16.13	19.72	23.71	-3.69	6.47	26.49	29.73	-3.24
	5510	102	AVG	242T	17.25	16.09	19.72	17.42	16.21	19.87	23.73	-3.86	6.39	26.26	29.73	-3.47
	5590	118	AVG	242T	17.05	15.98	19.56	17.29	16.23	19.80	23.73	-3.93	6.39	26.19	29.73	-3.54
	5710	142	AVG	242T	17.34	15.81	19.65	17.05	15.48	19.35	23.73	-4.08	6.39	26.04	29.73	-3.69
	5755	151	AVG	242T	17.07	15.96	19.56	17.18	15.98	19.63	30.00	-10.37	4.88	24.51	-	-
	5795	159	AVG	242T	17.03	15.72	19.43	17.06	15.72	19.45	30.00	-10.55	4.88	24.33	-	-

Table 7-80. MIMO 40MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

	Freq [MHz]	Channel	Detector	Tones	RU Index 61 SOUTH	RU Index 61 NORTH	RU Index 61 MIMO	RU Index 62 SOUTH	RU Index 62 NORTH	RU Index 62 MIMO	RU Index 64 SOUTH	RU Index 64 NORTH	RU Index 64 MIMO	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (80MHz Bandwidth)	5210	42	AVG	242T	12.45	11.72	15.11	12.42	11.75	15.11	12.17	11.30	14.77	23.98	-8.87	6.02	21.13	22.68	-1.55
	5290	58	AVG	242T	17.25	16.73	20.01	17.47	17.05	20.28	17.25	16.82	20.05	23.71	-3.43	6.47	26.75	29.73	-2.98
	5530	106	AVG	242T	17.21	16.36	19.82	17.49	16.57	20.06	17.23	16.32	19.81	23.73	-3.67	6.39	26.45	29.73	-3.28
	5610	122	AVG	242T	17.34	16.51	19.96	17.33	16.51	19.95	17.21	16.48	19.87	23.73	-3.77	6.39	26.35	29.73	-3.38
	5690	138	AVG	242T	17.48	16.07	19.84	17.32	16.04	19.74	17.46	16.49	20.01	23.73	-3.72	6.39	26.40	29.73	-3.33
	5775	155	AVG	242T	17.22	15.97	19.65	17.31	16.48	19.93	17.35	16.67	20.03	30.00	-9.97	4.88	24.91	-	-

Table 7-81. MIMO 80MHz BW (UNII) Maximum Conducted Output Power (242 Tones)

	Freq [MHz]	Channel	Detector	Tones	RU Index 61 SOUTH	RU Index 61 NORTH	RU Index 61 MIMO	RU Index 62 SOUTH	RU Index 62 NORTH	RU Index 62 MIMO	RU Index 64 SOUTH	RU Index 64 NORTH	RU Index 64 MIMO	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (160MHz BW L)	5250	50	AVG	242T	12.26	11.02	14.69	12.21	10.89	14.61	12.32	10.95	14.70	23.98	-9.28	6.02	20.63	22.68	-2.05
	5570	114	AVG	242T	17.02	16.48	19.77	17.48	17.11	20.31	17.47	17.11	20.30	23.73	-3.42	6.39	26.69	-	-

Table 7-82. MIMO 160MHz BW (L) (UNII) Maximum Conducted Output Power (242 Tones)

	Freq [MHz]	Channel	Detector	Tones	RU Index 61 SOUTH	RU Index 61 NORTH	RU Index 61 MIMO	RU Index 62 SOUTH	RU Index 62 NORTH	RU Index 62 MIMO	RU Index 64 SOUTH	RU Index 64 NORTH	RU Index 64 MIMO	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (160MHz BW U)	5250	50	AVG	242T	17.39	16.85	20.14	17.48	17.06	20.29	17.32	17.24	20.29	23.71	-3.42	6.47	26.61	29.73	-3.12
	5570	114	AVG	242T	17.04	16.73	19.90	17.17	16.86	20.03	17.23	16.79	20.03	23.73	-3.70	6.39	26.29	-	-

Table 7-83. MIMO 160MHz BW (U) (UNII) Maximum Conducted Output Power (242 Tones)

MIMO Conducted Output Power Measurements (484 Tones)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					65								
					SOUTH	NORTH	MIMO						
	5190	38	AVG	484T	12.43	11.78	15.13	23.98	-8.85	6.02	21.15	22.68	-1.53
	5230	46	AVG	484T	12.43	11.85	15.16	23.98	-8.82	6.02	21.18	22.68	-1.50
	5270	54	AVG	484T	14.68	13.89	15.06	23.71	-8.65	6.47	21.53	29.73	-8.20
	5310	62	AVG	484T	14.60	13.69	15.01	23.71	-8.70	6.47	21.48	29.73	-8.25
	5510	102	AVG	484T	14.83	13.56	17.25	23.73	-6.48	6.39	23.64	29.73	-6.09
	5590	118	AVG	484T	17.19	16.06	19.67	23.73	-4.06	6.39	26.06	29.73	-3.67
	5710	142	AVG	484T	17.46	15.86	19.74	23.73	-3.99	6.39	26.13	29.73	-3.60
	5755	151	AVG	484T	16.22	14.93	18.63	30.00	-11.37	4.88	23.51	-	-
	5795	159	AVG	484T	16.07	14.68	18.44	30.00	-11.56	4.88	23.32	-	-

Table 7-84. MIMO 40MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					65			66								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
	5210	42	AVG	484T	12.37	11.63	15.03	12.45	11.78	15.14	23.98	-8.84	6.02	21.16	22.68	-1.52
	5290	58	AVG	484T	12.23	11.21	14.76	12.34	11.53	14.96	23.71	-8.75	6.47	21.43	29.73	-8.30
	5530	106	AVG	484T	14.67	13.38	17.08	14.83	13.51	17.23	23.73	-6.50	6.39	23.62	29.73	-6.11
	5610	122	AVG	484T	17.48	16.84	20.18	17.43	16.75	20.11	23.73	-3.55	6.39	26.57	29.73	-3.16
	5690	138	AVG	484T	17.47	16.38	19.97	17.36	16.24	19.85	23.73	-3.76	6.39	26.36	29.73	-3.37
	5775	155	AVG	484T	16.48	15.32	18.95	16.37	15.41	18.93	30.00	-11.05	4.88	23.83	-	-

Table 7-85. MIMO 80MHz BW (UNII) Maximum Conducted Output Power (484 Tones)

5GHz (160MHz BW L)	Freq [MHz]	Channel	Detector	Tones	RU Index						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					65			66								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
	5250	50	AVG	484T	12.26	11.98	15.13	12.34	11.81	15.09	23.98	-8.85	6.02	21.15	22.68	-1.53
	5570	114	AVG	484T	16.45	15.45	18.99	16.43	15.68	19.08	23.73	-4.65	6.39	25.47	-	-

Table 7-86. MIMO 160MHz BW (L) (UNII) Maximum Conducted Output Power (484 Tones)

5GHz (160MHz BW U)	Freq [MHz]	Channel	Detector	Tones	RU Index						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					65			66								
					SOUTH	NORTH	MIMO	SOUTH	NORTH	MIMO						
	5250	50	AVG	484T	14.58	14.38	17.49	14.55	14.36	17.47	23.71	-6.22	6.47	23.96	29.73	-5.77
	5570	114	AVG	484T	17.35	16.76	20.08	17.24	16.47	19.88	23.73	-3.65	6.39	26.47	-	-

Table 7-87. MIMO 160MHz BW (U) (UNII) Maximum Conducted Output Power (484 Tones)

MIMO Conducted Output Power Measurements (996 Tones)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					67								
					SOUTH	NORTH	MIMO						
	5210	42	AVG	996T	13.12	12.32	15.75	23.98	-8.23	6.02	21.77	22.68	-0.91
	5290	58	AVG	996T	12.23	11.35	14.82	23.71	-8.89	6.47	21.29	29.73	-8.44
	5530	106	AVG	996T	13.48	12.13	15.87	23.73	-7.86	6.39	22.26	29.73	-7.47
	5610	122	AVG	996T	16.47	15.98	19.24	23.73	-4.49	6.39	25.63	29.73	-4.10
	5690	138	AVG	996T	16.48	15.49	19.02	23.73	-4.71	6.39	25.41	29.73	-4.32
	5775	155	AVG	996T	16.48	15.81	19.17	30.00	-10.83	4.88	24.05	-	-

Table 7-88. MIMO 80MHz BW (UNII) Maximum Conducted Output Power (996 Tones)

5GHz (160MHz BW L)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					67								
					SOUTH	NORTH	MIMO						
	5250	50	AVG	996T	13.81	12.86	16.37	23.98	-7.61	6.02	22.39	22.68	-0.29
	5570	114	AVG	996T	13.98	12.61	16.36	23.73	-7.37	6.39	22.75	-	-

Table 7-89. MIMO 160MHz BW (L) (UNII) Maximum Conducted Output Power (996 Tones)

5GHz (160MHz BW U)	Freq [MHz]	Channel	Detector	Tones	RU Index			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					67								
					SOUTH	NORTH	MIMO						
	5250	50	AVG	996T	13.99	13.55	16.79	23.71	-6.92	6.47	23.26	29.73	-6.47
	5570	114	AVG	996T	13.98	13.76	16.88	23.73	-6.85	6.39	23.27	-	-

Table 7-90. MIMO 160MHz BW (U) (UNII) Maximum Conducted Output Power (996 Tones)

Note:

Per ANSI C63.10-2013 and KDB 662911 v02r01 Section E)1), the conducted powers at South Antenna and North Antenna were first measured separately during MIMO transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2013 Section 14.4.3, the directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT}, the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}] \text{ dBi}$$

Sample MIMO Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted output power was measured to be 10.63 dBm for SOUTH and 10.24 dBm for NORTH.

South Antenna + North Antenna = MIMO

(10.63 dBm + 10.24 dBm) = (11.56 mW + 10.57 mW) = 22.13 mW = 13.45 dBm

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO conducted power was calculated to be 13.45 dBm with directional gain of 6.02 dBi.

e.i.r.p. (dBm) = Conducted Power (dBm) + Ant gain (dBi)

13.45 dBm + 6.02 dBi = 19.47 dBm

7.5 Maximum Power Spectral Density – 802.11ax OFDMA

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3); RSS-247 [6.2]

Test Overview and Limit

The spectrum analyzer was connected to the antenna terminal while the EUT was operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, was used to measure the power spectral density.

In the 5.15 – 5.25GHz, 5.25 – 5.35GHz, 5.47 – 5.725GHz bands, the maximum permissible power spectral density is 11dBm/MHz.

In the 5.725 – 5.850GHz band, the maximum permissible power spectral density is 30dBm/500kHz.

Test Procedure Used

ANSI C63.10-2013 – Section 12.3.2.2
KDB 789033 D02 v02r01 – Section F
ANSI C63.10-2013 – Section 14.3.2.2 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)2) Measure-and-Sum Technique

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire emission bandwidth of the signal
3. RBW = 1MHz
4. VBW = 3MHz
5. Number of sweep points $\geq$ 2 x (span/RBW)
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

Figure 7-4. Test Instrument & Measurement Setup

Test Notes

The power spectral density for each channel was measured with the RU index showing the highest conducted power

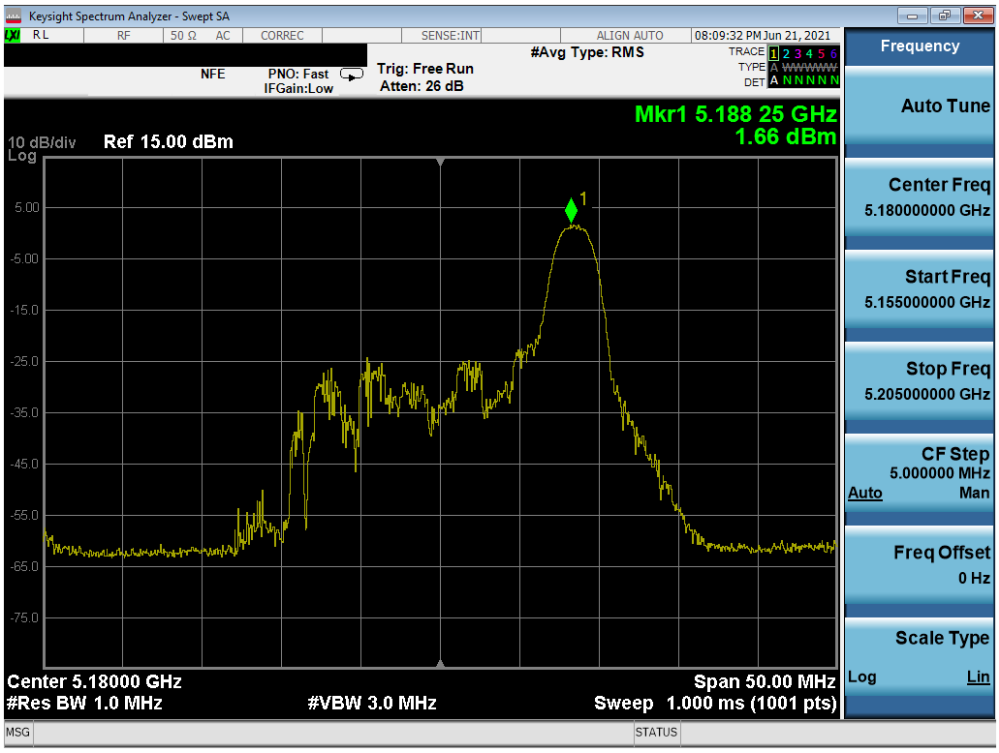
SISO SOUTH Power Spectral Density Measurements (26 Tones)

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured Power Density [dBm]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26T	MCS0	1.66	11.00	-9.34
	5200	40	ax (20MHz)	26T	MCS0	1.74	11.00	-9.26
	5240	48	ax (20MHz)	26T	MCS0	1.54	11.00	-9.46
	5190	38	ax (40MHz)	26T	MCS0	1.38	11.00	-9.62
	5230	46	ax (40MHz)	26T	MCS0	1.74	11.00	-9.26
	5210	42	ax (80MHz)	26T	MCS0	1.16	11.00	-9.84
Band 1/2A	5250	50	ax (160 MHz L)	26T	MCS0	1.81	11.00	-9.19
	5250	50	ax (160 MHz U)	26T	MCS0	7.18	11.00	-3.82
Band 2A	5260	52	ax (20MHz)	26T	MCS0	7.52	11.00	-3.48
	5280	56	ax (20MHz)	26T	MCS0	7.29	11.00	-3.71
	5320	64	ax (20MHz)	26T	MCS0	6.73	11.00	-4.27
	5270	54	ax (40MHz)	26T	MCS0	7.54	11.00	-3.46
	5310	62	ax (40MHz)	26T	MCS0	7.35	11.00	-3.65
	5290	58	ax (80MHz)	26T	MCS0	6.93	11.00	-4.07
Band 2C	5500	100	ax (20MHz)	26T	MCS0	6.59	11.00	-4.41
	5600	120	ax (20MHz)	26T	MCS0	6.32	11.00	-4.68
	5720	144	ax (20MHz)	26T	MCS0	7.09	11.00	-3.91
	5510	102	ax (40MHz)	26T	MCS0	7.22	11.00	-3.78
	5590	118	ax (40MHz)	26T	MCS0	7.33	11.00	-3.67
	5710	142	ax (40MHz)	26T	MCS0	7.66	11.00	-3.34
	5530	106	ax (80MHz)	26T	MCS0	7.02	11.00	-3.98
	5610	122	ax (80MHz)	26T	MCS0	6.99	11.00	-4.01
	5690	138	ax (80MHz)	26T	MCS0	7.61	11.00	-3.39
	5570	114	ax (160 MHz L)	26T	MCS0	7.72	11.00	-3.28
	5570	114	ax (160 MHz U)	26T	MCS0	8.15	11.00	-2.85

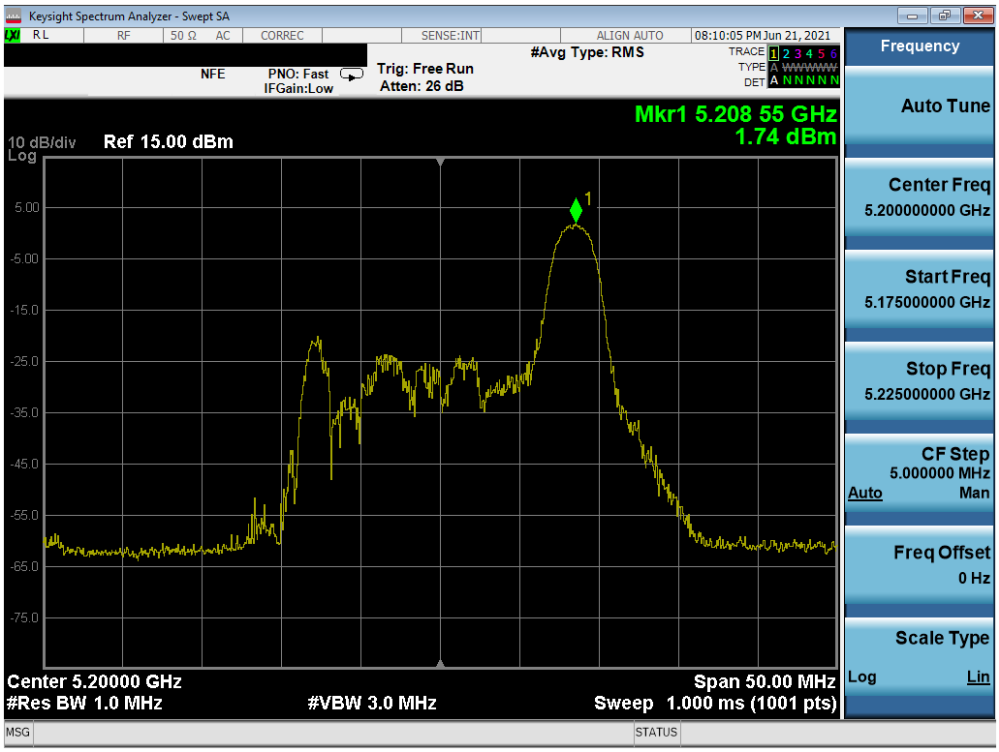
Table 7-91. Bands 1, 2A, 2C Conducted Power Spectral Density Measurements SISO SOUTH (26 Tones)

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured Power Density [dBm]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26T	MCS0	1.66	6.20	7.86	10.0	-2.14
	5200	40	ax (20MHz)	26T	MCS0	1.74	6.20	7.94	10.0	-2.06
	5240	48	ax (20MHz)	26T	MCS0	1.54	6.20	7.74	10.0	-2.26
	5190	38	ax (40MHz)	26T	MCS0	1.38	6.20	7.58	10.0	-2.42
	5230	46	ax (40MHz)	26T	MCS0	1.74	6.20	7.94	10.0	-2.06
	5210	42	ax (80MHz)	26T	MCS0	1.16	6.20	7.36	10.0	-2.64
	5250	50	ax (160 MHz L)	26T	MCS0	1.81	6.20	8.01	10.0	-1.99

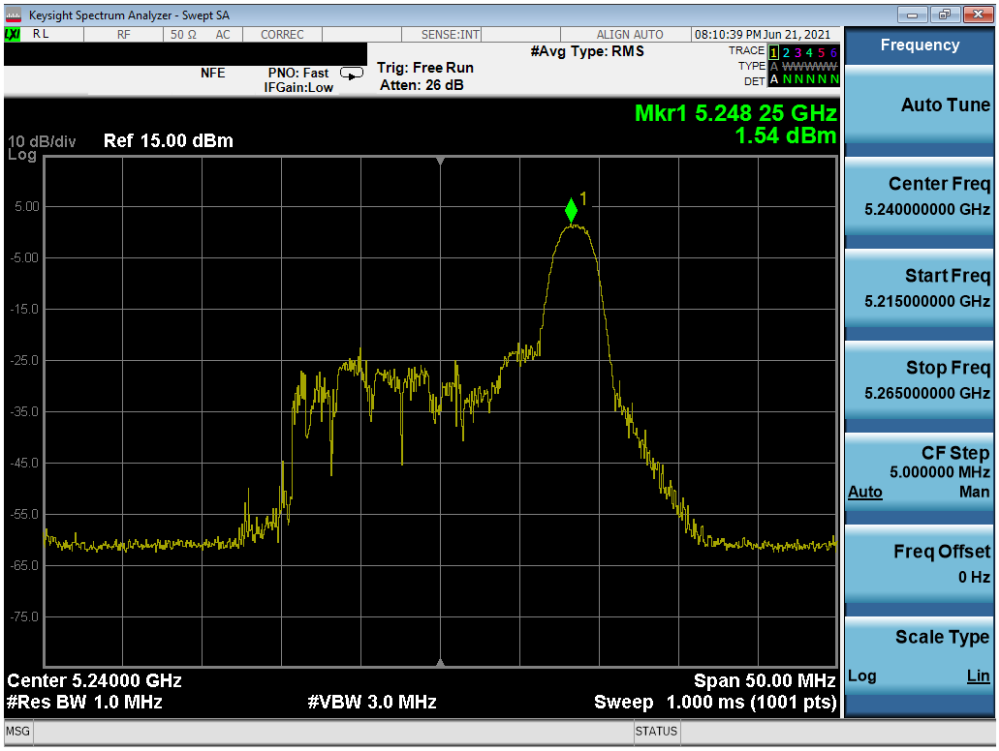
Table 7-92. Band 1 e.i.r.p Conducted Power Spectral Density Measurements SISO SOUTH (26 Tones) (ISED)



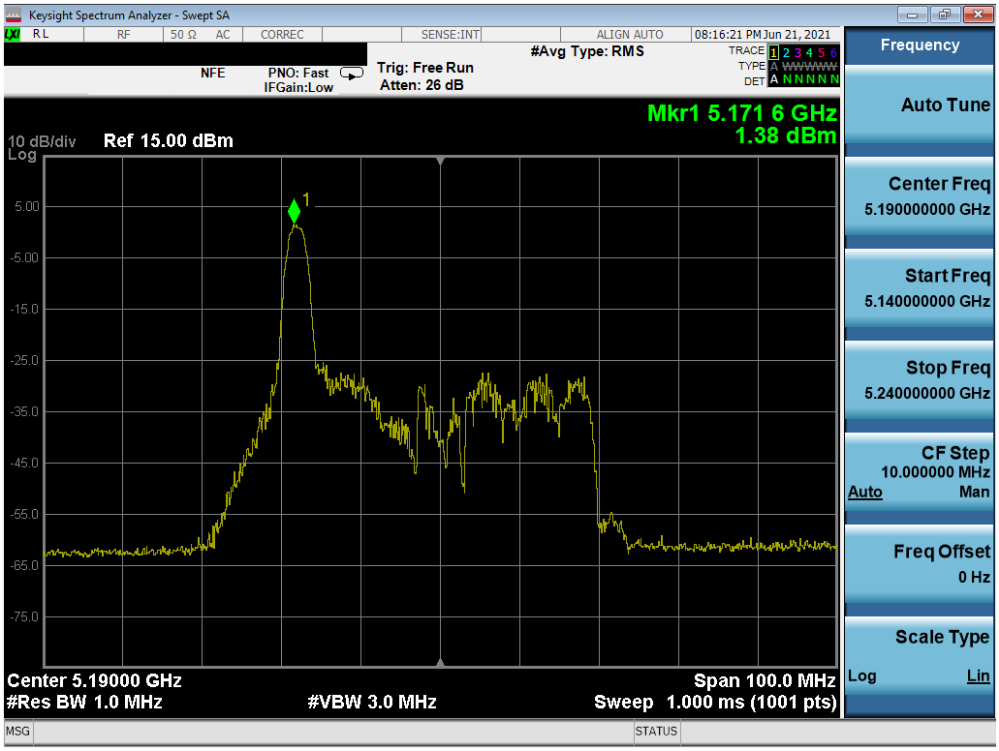
Plot 7-125. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 36)



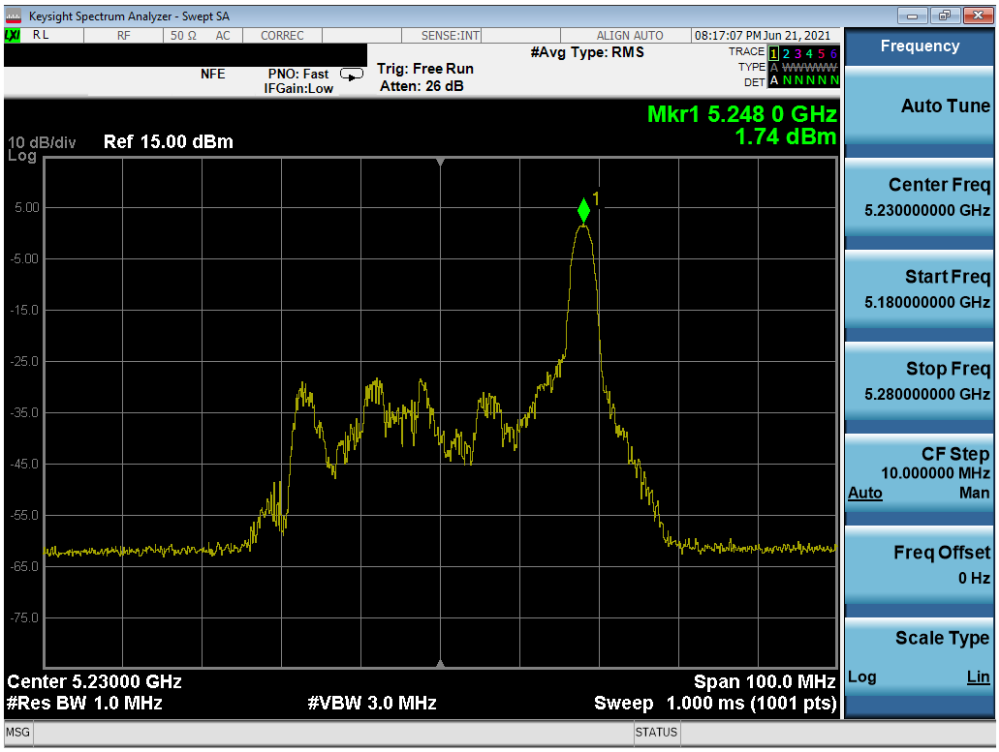
Plot 7-126. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 40)



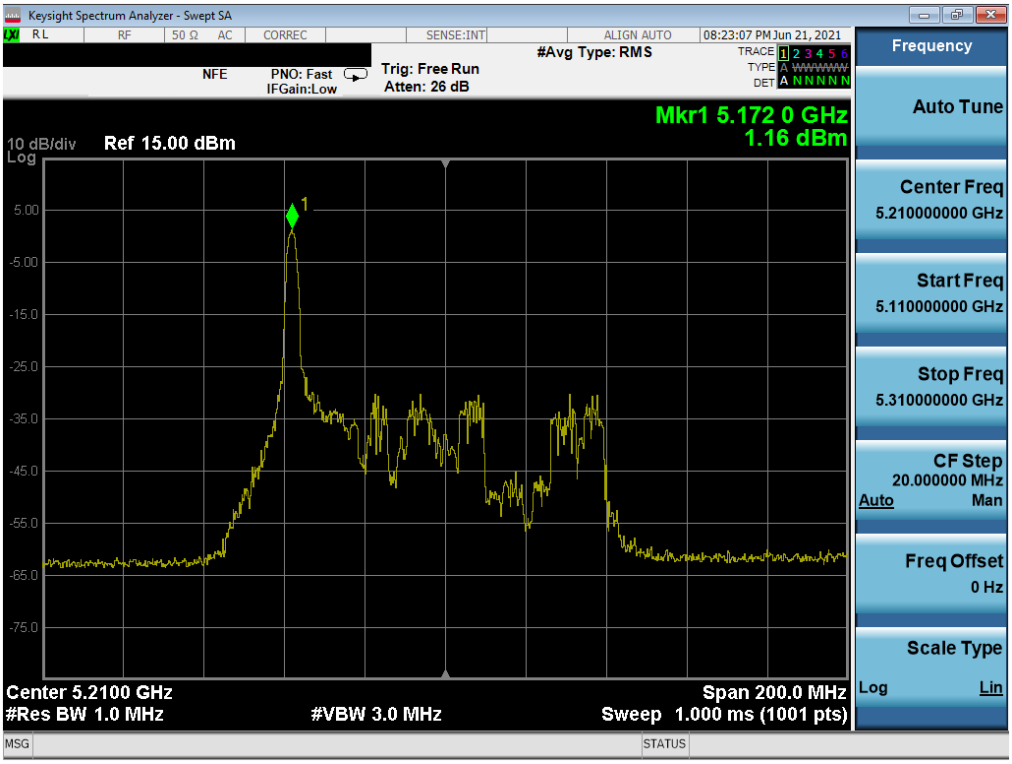
Plot 7-127. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 48)



Plot 7-128. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 38)

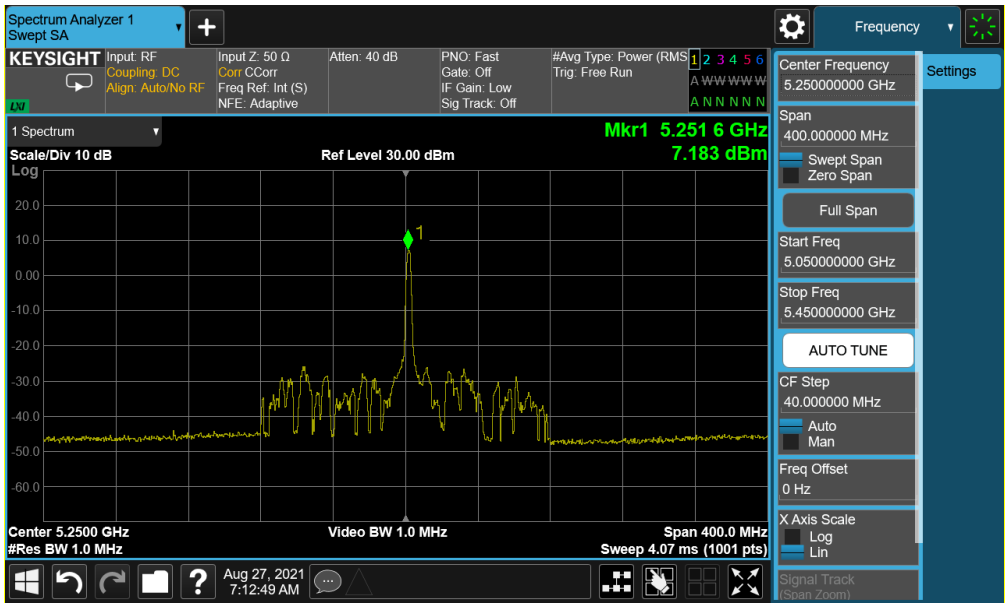


Plot 7-129. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 46)

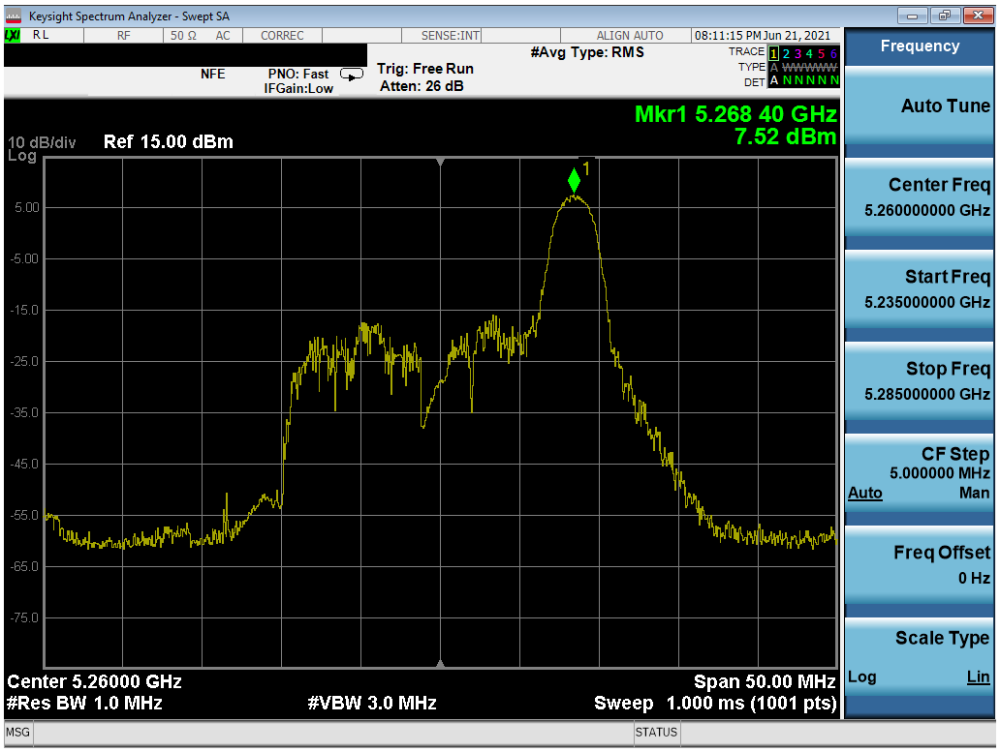


Plot 7-130. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 42)

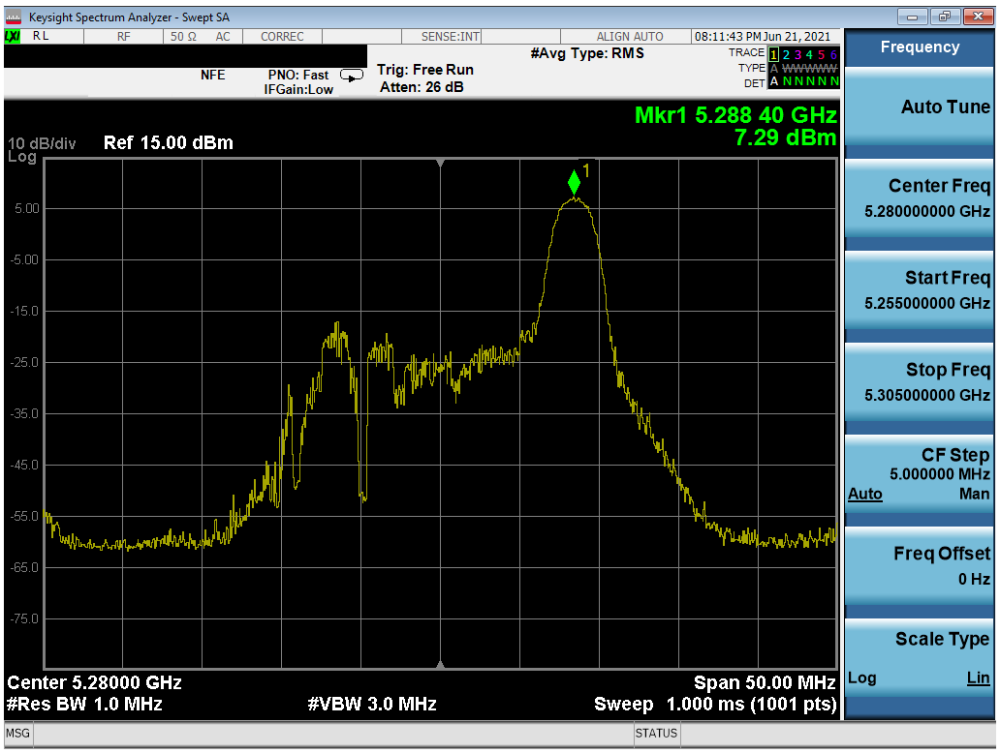
Plot 7-131. Power Spectral Density Plot SISO SOUTH (160MHz BW (L) 802.11ax – 26 Tones (UNII Band 1) – Ch. 50)



Plot 7-132. Power Spectral Density Plot SISO SOUTH (160MHz BW (U) 802.11ax – 26 Tones (UNII Band 2A) – Ch. 50)



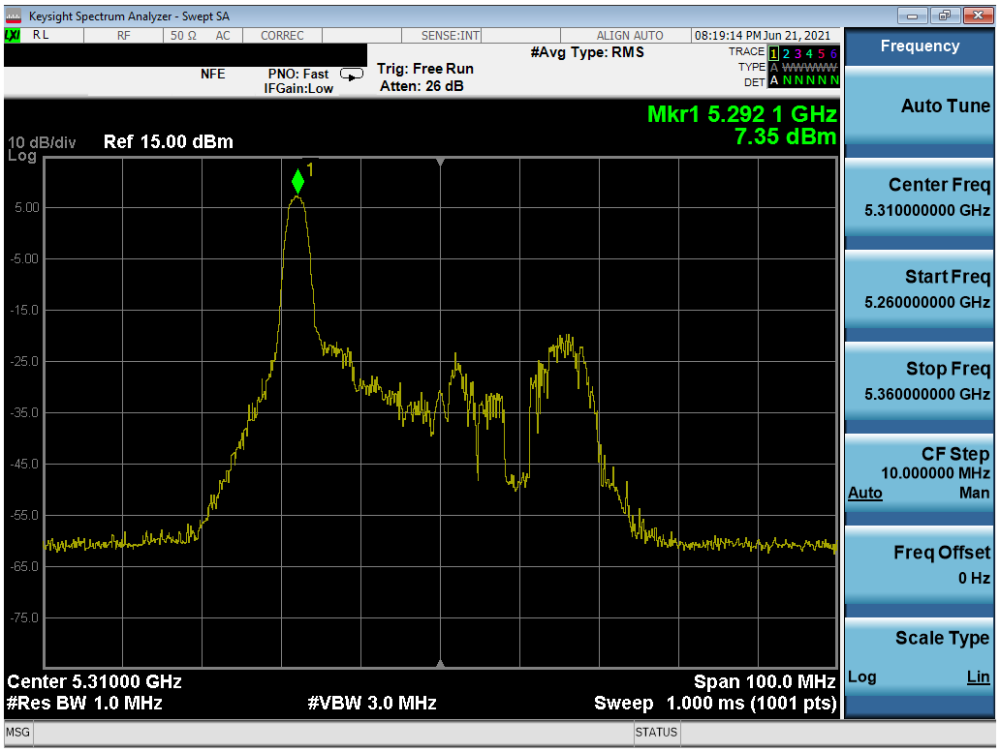
Plot 7-133. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 52)



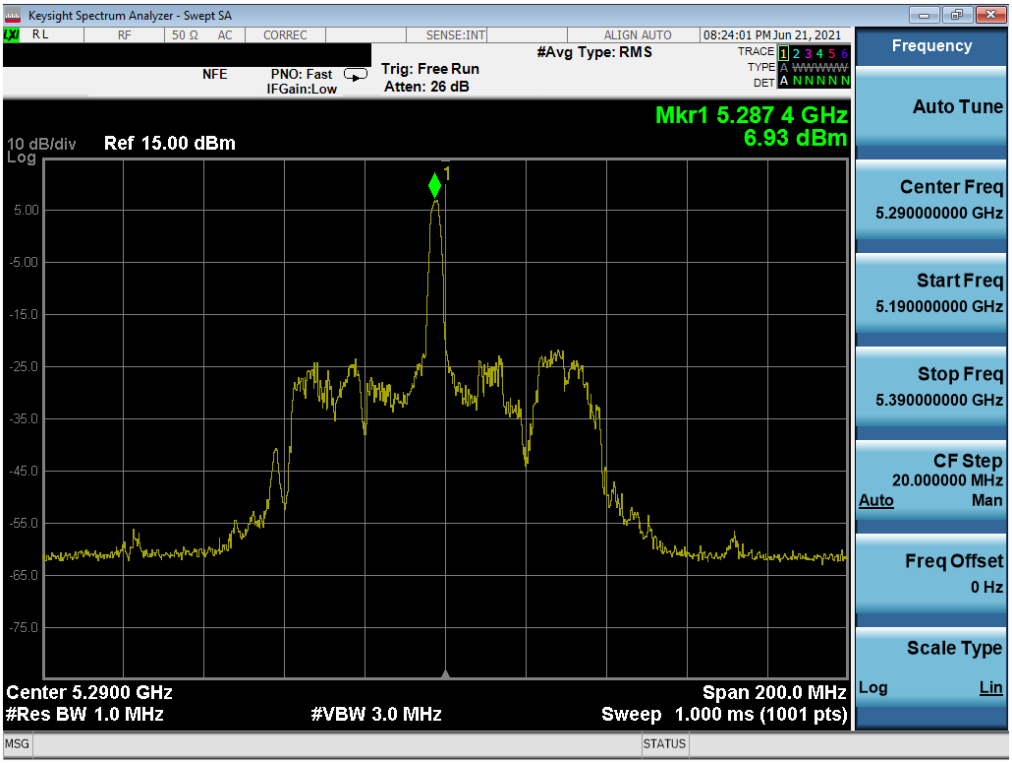
Plot 7-134. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 56)

Plot 7-135. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 64)

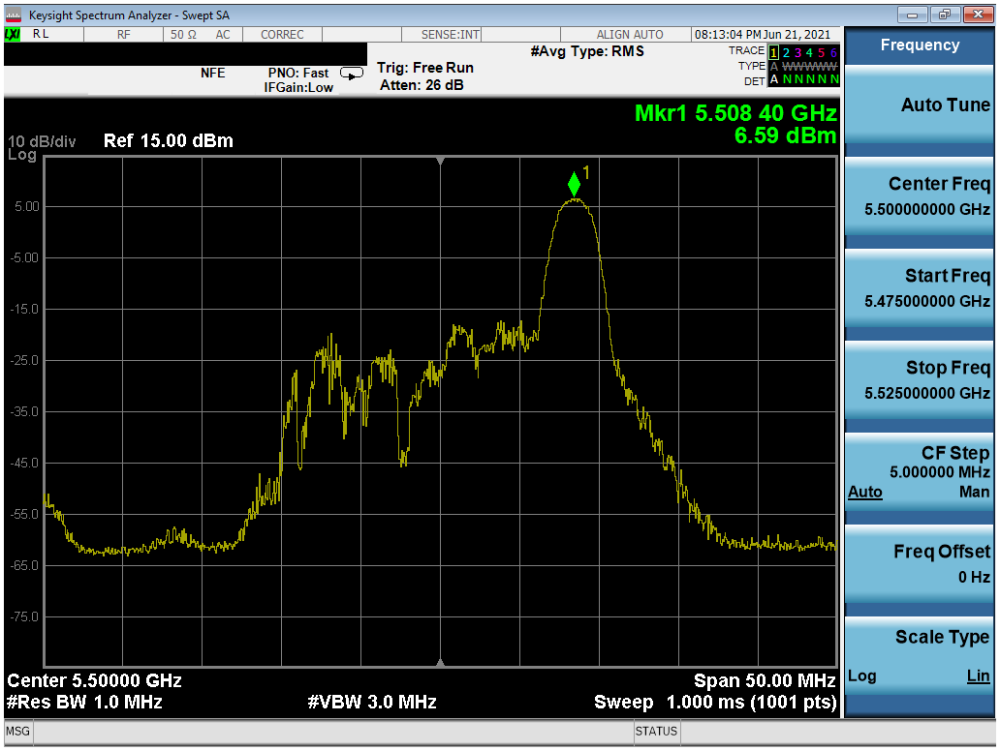
Plot 7-136. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 54)



Plot 7-137. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 62)



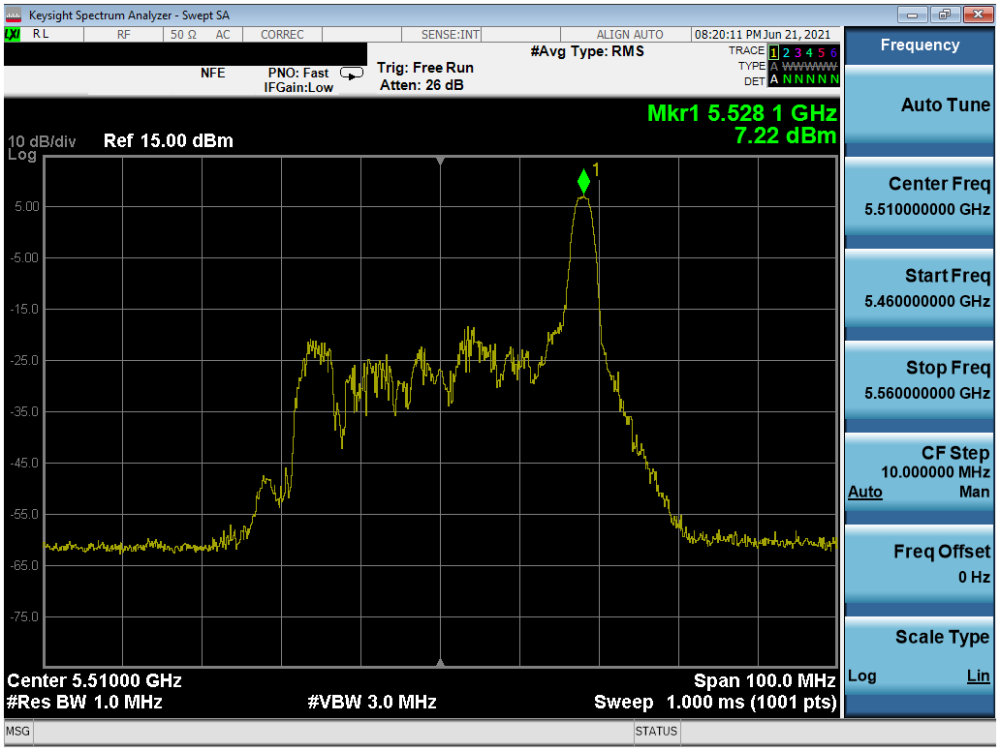
Plot 7-138. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 58)



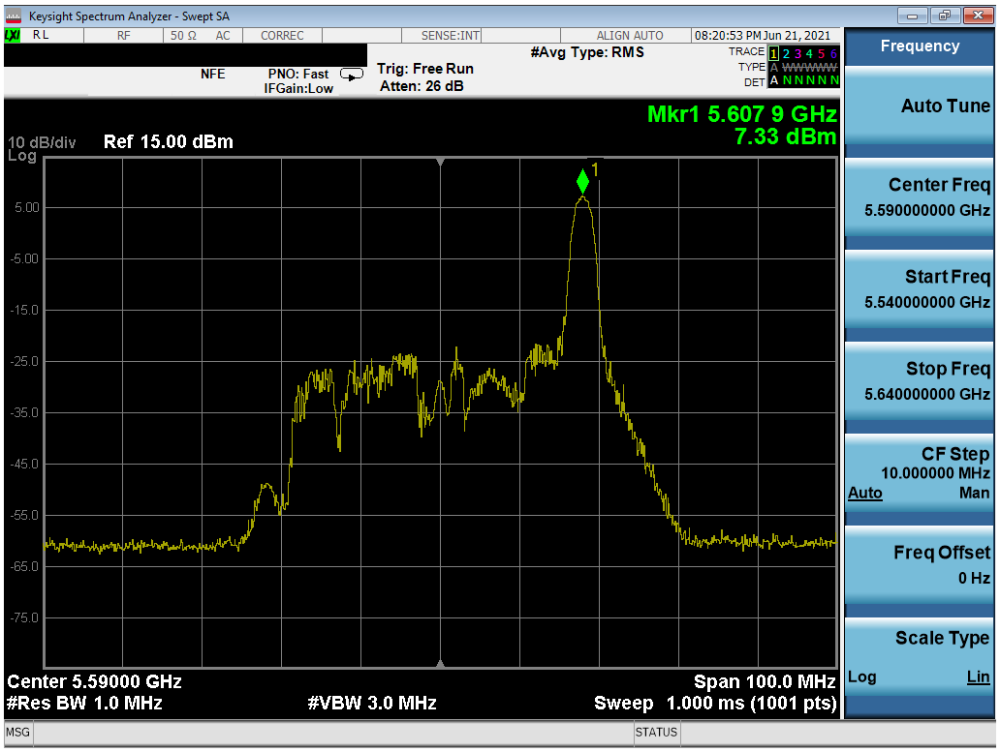
Plot 7-139. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 100)

Plot 7-140. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 120)

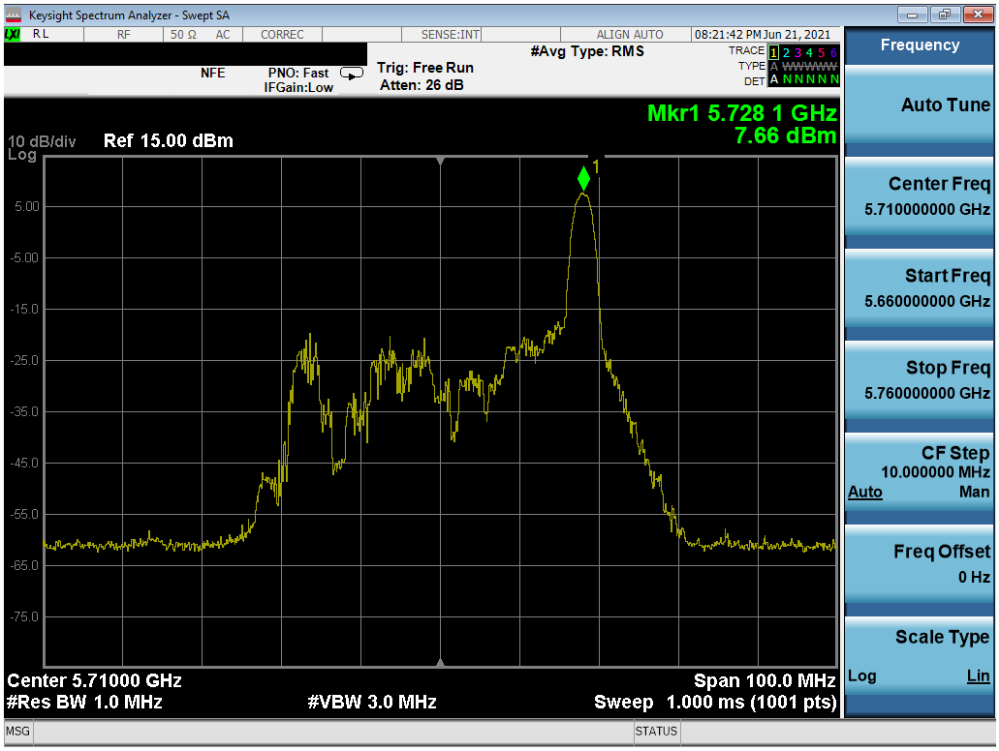
Plot 7-141. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 144)



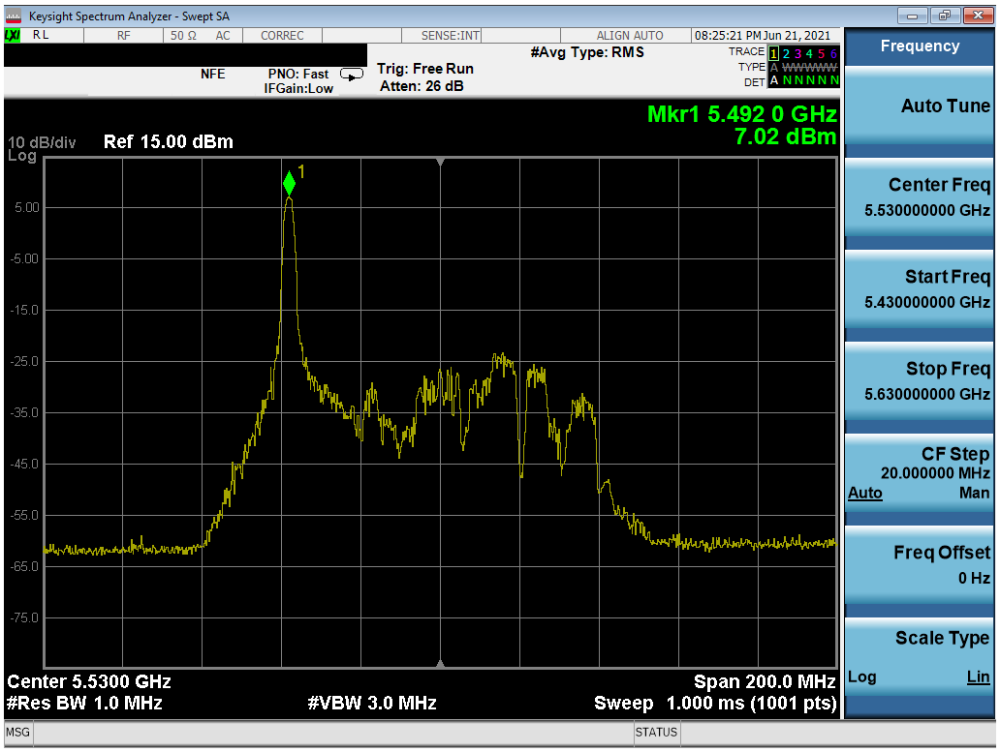
Plot 7-142. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 102)



Plot 7-143. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 118)

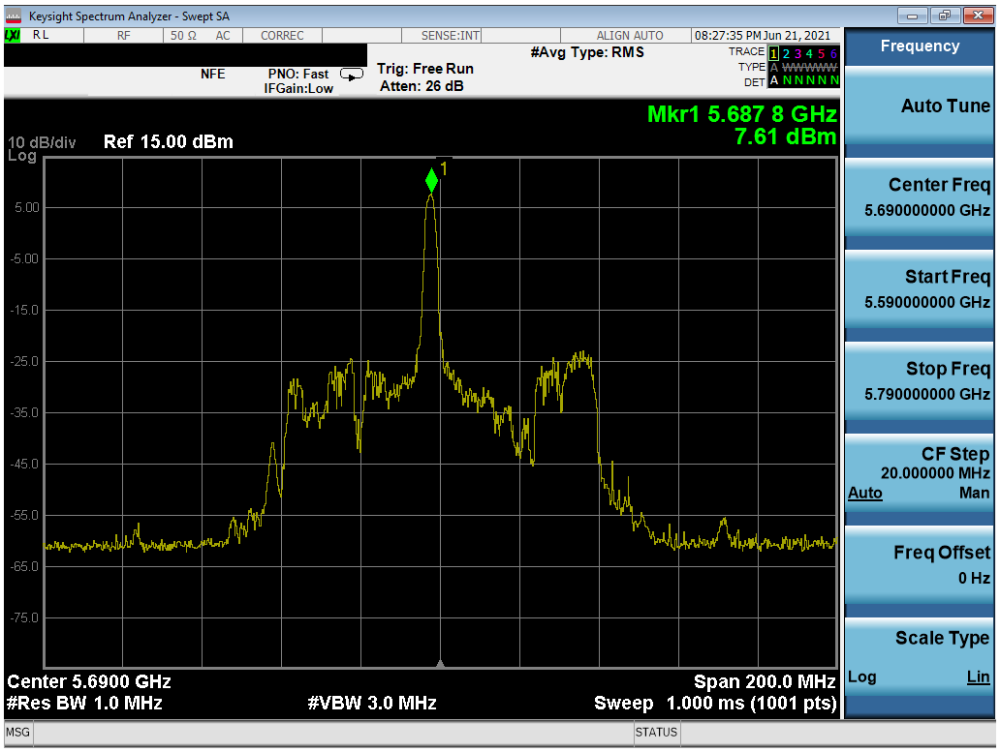


Plot 7-144. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 142)

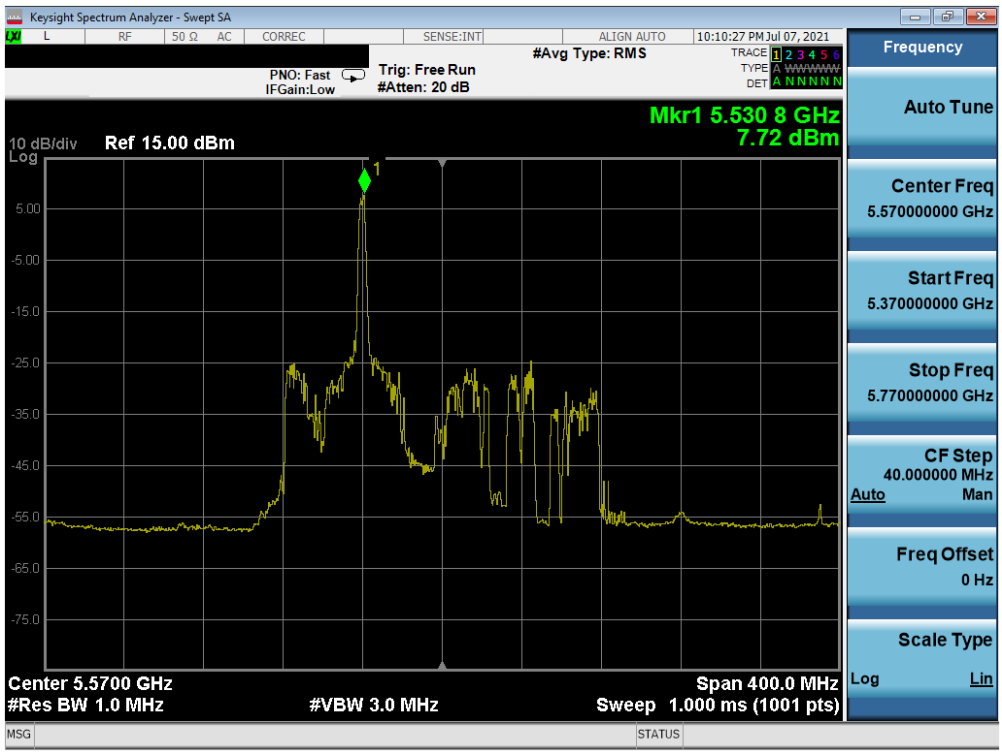


Plot 7-145. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 106)

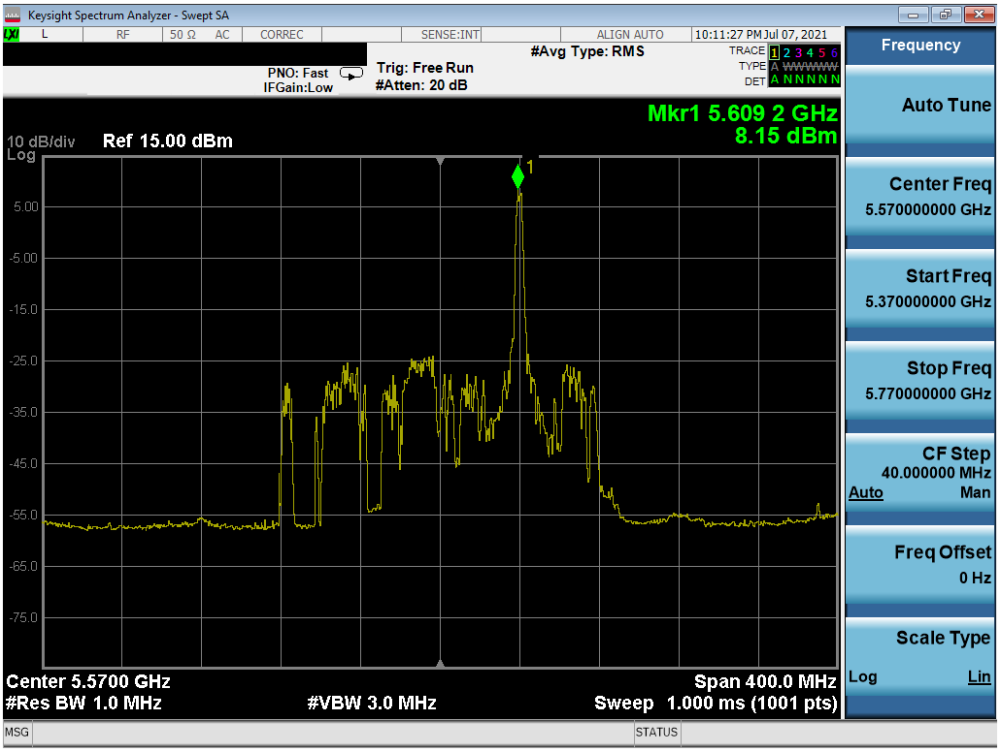
Plot 7-146. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 122)



Plot 7-147. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 138)



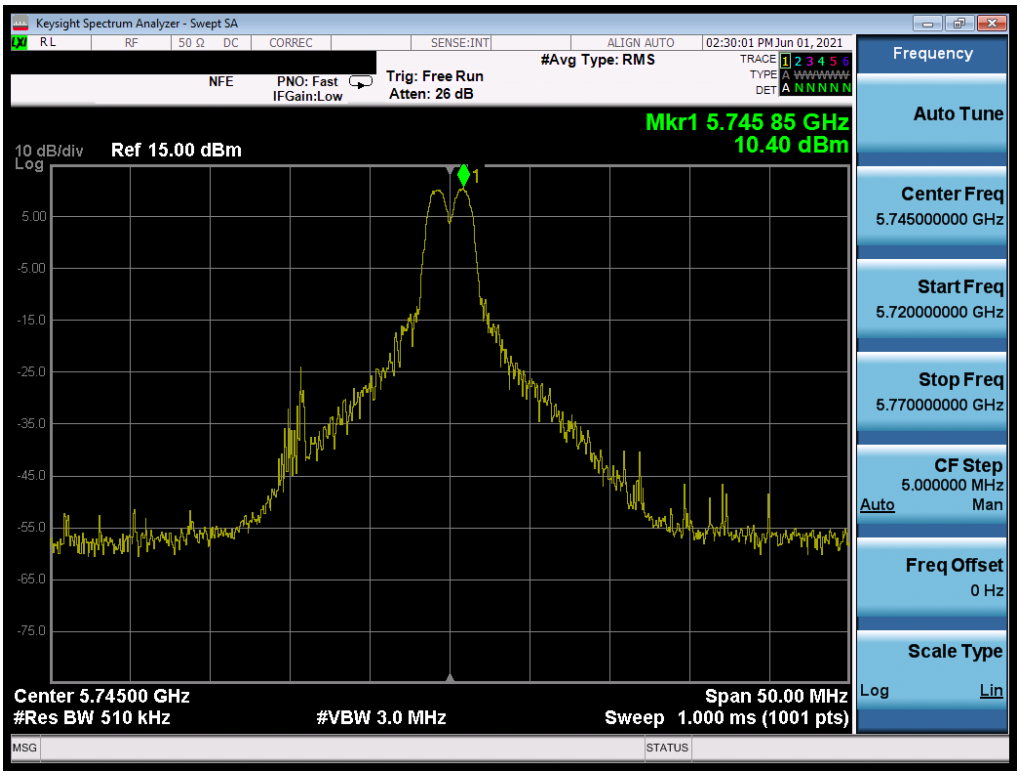
Plot 7-148. Power Spectral Density Plot SISO SOUTH (160MHz BW L 802.11ax – 26 Tones (UNII Band 2C) – Ch. 114)



Plot 7-149. Power Spectral Density Plot SISO SOUTH (160MHz BW U 802.11ax – 26 Tones (UNII Band 2C) – Ch. 114)

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured Power Density [dBm]	Max Permissible Power Density	Margin [dB]
Band 3	5745	149	ax (20MHz)	26T	MCS0	10.40	30.00	-19.60
	5785	157	ax (20MHz)	26T	MCS0	10.78	30.00	-19.22
	5825	165	ax (20MHz)	26T	MCS0	10.53	30.00	-19.47
	5755	151	ax (40MHz)	26T	MCS0	12.24	30.00	-17.76
	5795	159	ax (40MHz)	26T	MCS0	12.36	30.00	-17.64
	5775	155	ax (80MHz)	26T	MCS0	12.00	30.00	-18.00

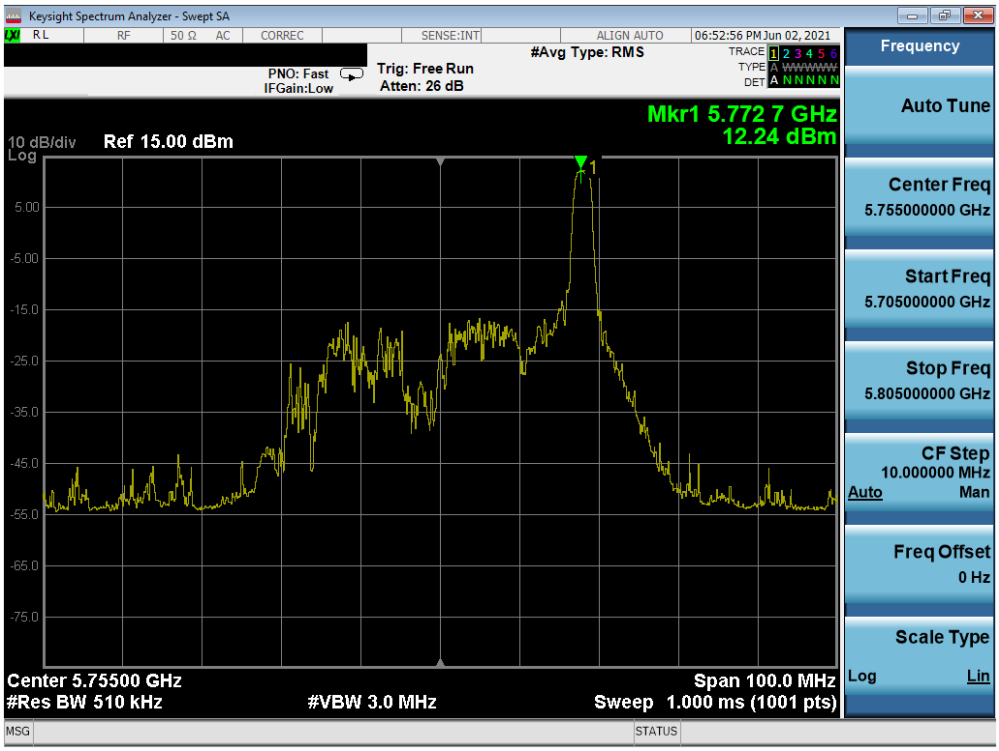
Table 7-93. Band 3 Conducted Power Spectral Density Measurements SISO SOUTH (26 Tones)



Plot 7-150. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 149)

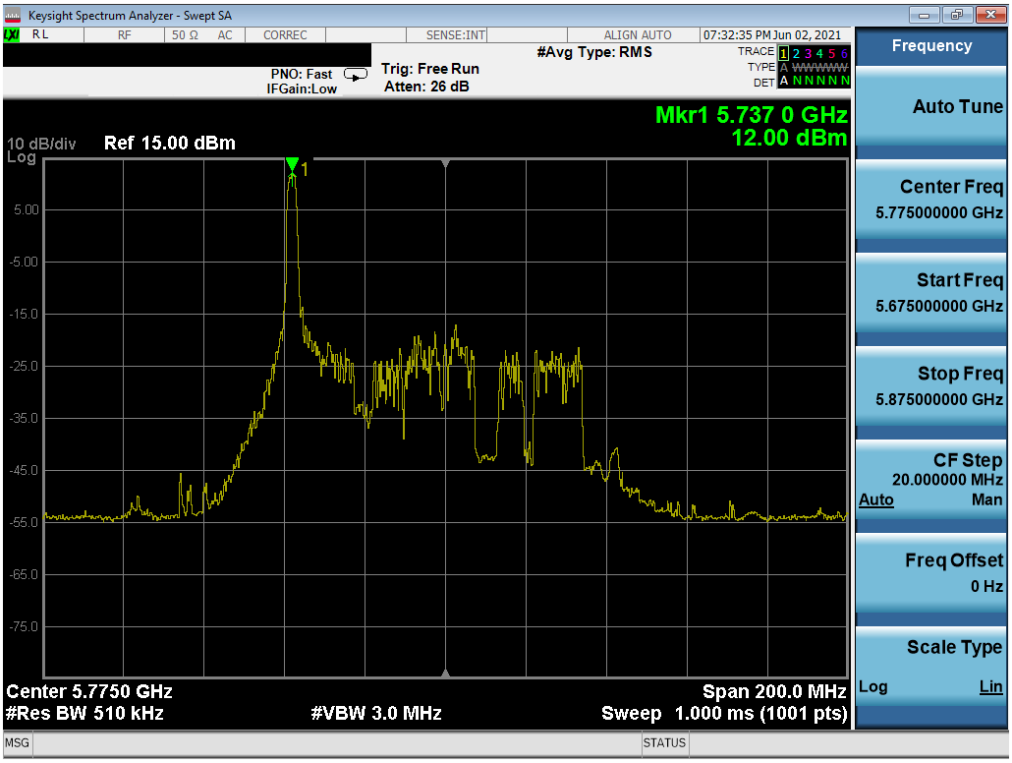
Plot 7-151. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 157)

Plot 7-152. Power Spectral Density Plot SISO SOUTH (20 MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 165)



Plot 7-153. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 151)

Plot 7-154. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 159)



Plot 7-155. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 155)

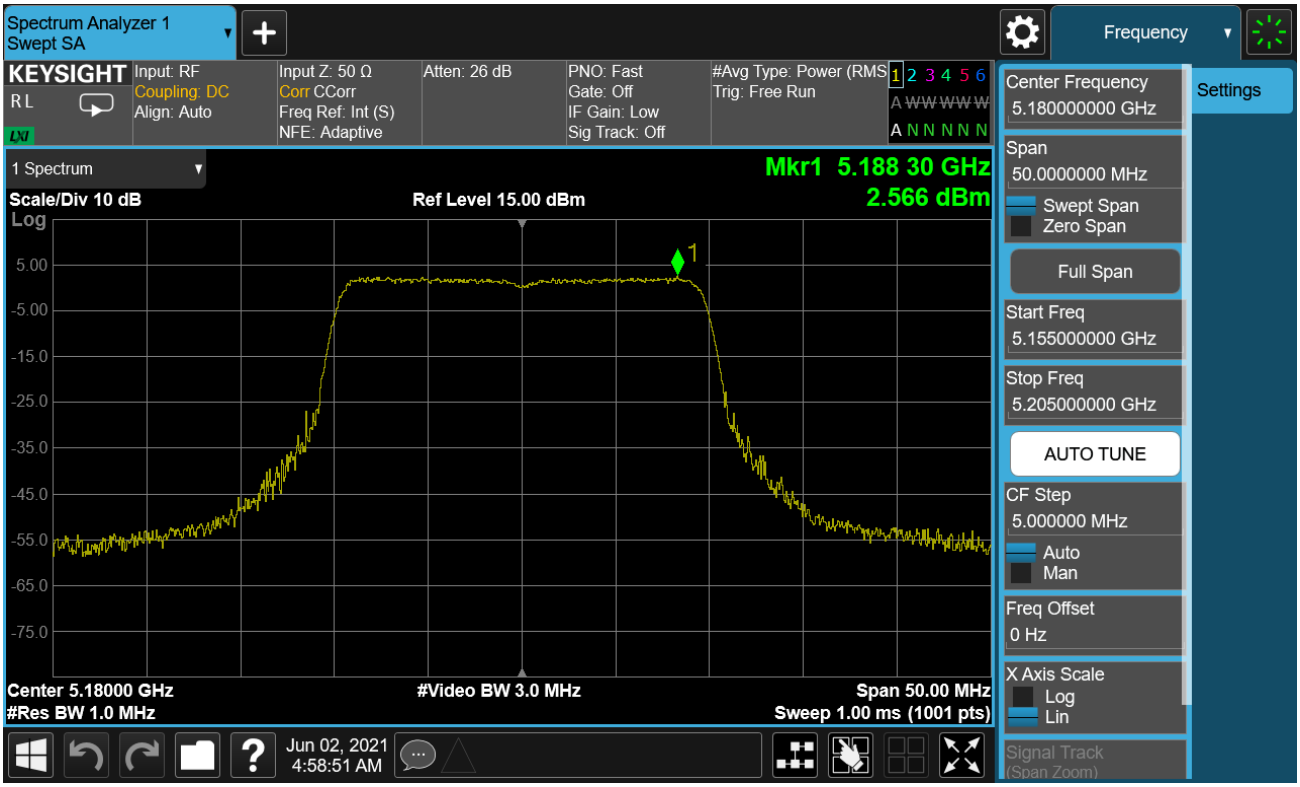
SISO SOUTH Power Spectral Density Measurements (Full Tones)

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured Power Density [dBm]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242T	MCS0	2.57	11.00	-8.43
	5200	40	ax (20MHz)	242T	MCS0	2.31	11.00	-8.69
	5240	48	ax (20MHz)	242T	MCS0	2.46	11.00	-8.54
	5190	38	ax (40MHz)	484T	MCS0	1.40	11.00	-9.60
	5230	46	ax (40MHz)	484T	MCS0	1.65	11.00	-9.35
	5210	42	ax (80MHz)	996T	MCS0	-1.54	11.00	-12.54
Band 1/2A	5250	50	ax (160 MHz L)	996T	MCS0	-1.74	11.00	-12.74
	5250	50	ax (160 MHz U)	996T	MCS0	-1.10	11.00	-12.10
Band 2A	5260	52	ax (20MHz)	242T	MCS0	6.81	11.00	-4.19
	5280	56	ax (20MHz)	242T	MCS0	6.69	11.00	-4.31
	5320	64	ax (20MHz)	242T	MCS0	6.48	11.00	-4.52
	5270	54	ax (40MHz)	484T	MCS0	3.21	11.00	-7.79
	5310	62	ax (40MHz)	484T	MCS0	3.35	11.00	-7.65
	5290	58	ax (80MHz)	996T	MCS0	-0.55	11.00	-11.55
Band 2C	5500	100	ax (20MHz)	242T	MCS0	6.61	11.00	-4.39
	5600	120	ax (20MHz)	242T	MCS0	6.20	11.00	-4.80
	5720	144	ax (20MHz)	242T	MCS0	6.58	11.00	-4.42
	5510	102	ax (40MHz)	484T	MCS0	3.41	11.00	-7.59
	5590	118	ax (40MHz)	484T	MCS0	3.11	11.00	-7.89
	5710	142	ax (40MHz)	484T	MCS0	3.48	11.00	-7.52
	5530	106	ax (80MHz)	996T	MCS0	-0.55	11.00	-11.55
	5610	122	ax (80MHz)	996T	MCS0	-0.39	11.00	-11.39
	5690	138	ax (80MHz)	996T	MCS0	-0.28	11.00	-11.28
	5570	114	ax (160 MHz L)	996T	MCS0	-1.57	11.00	-12.57
	5570	114	ax (160 MHz U)	996T	MCS0	-1.35	11.00	-12.35

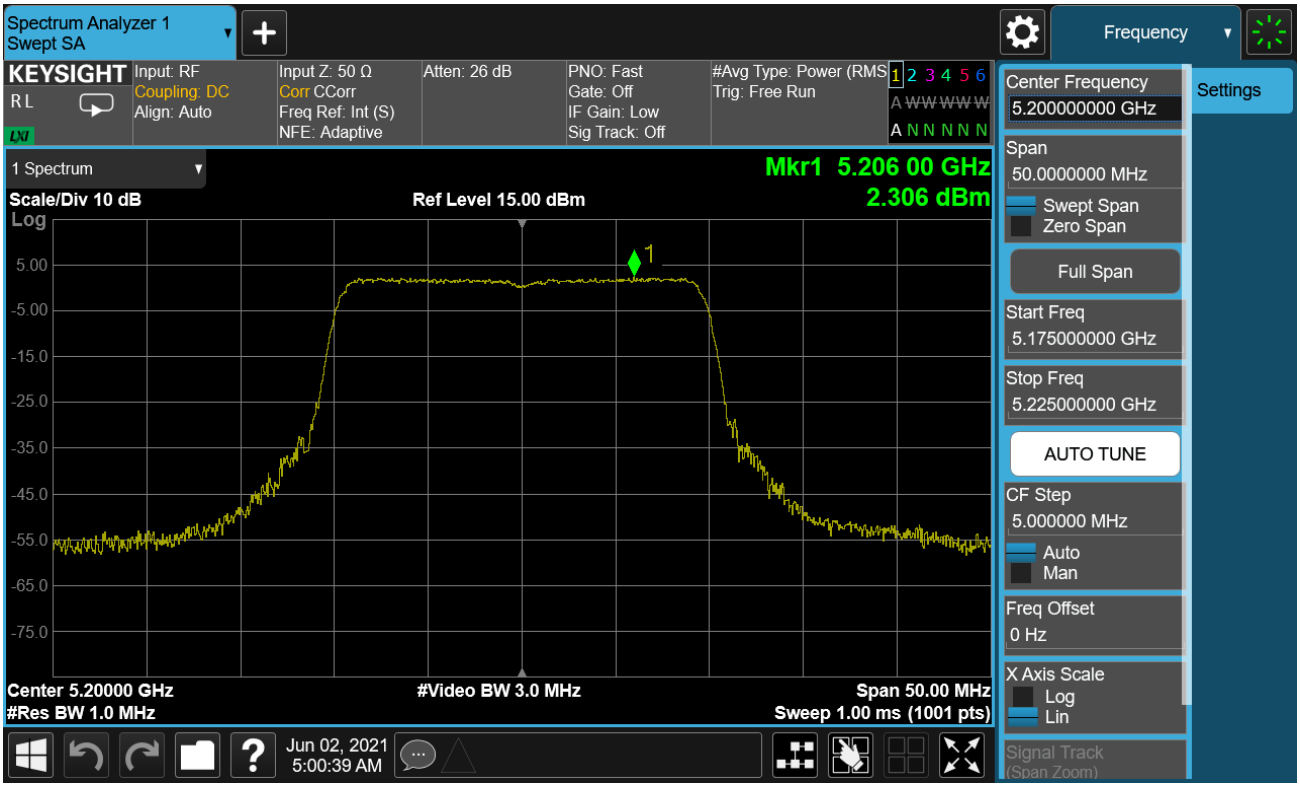
Table 7-94. Bands 1, 2A, 2C Conducted Power Spectral Density Measurements SISO SOUTH (Full Tones)

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured Power Density [dBm]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242T	MCS0	2.57	6.20	8.77	10.0	-1.23
	5200	40	ax (20MHz)	242T	MCS0	2.31	6.20	8.51	10.0	-1.49
	5240	48	ax (20MHz)	242T	MCS0	2.46	6.20	8.66	10.0	-1.34
	5190	38	ax (40MHz)	484T	MCS0	1.40	6.20	7.60	10.0	-2.40
	5230	46	ax (40MHz)	484T	MCS0	1.65	6.20	7.85	10.0	-2.15
	5210	42	ax (80MHz)	996T	MCS0	-1.54	6.20	4.66	10.0	-5.34
	5250	50	ax (160 MHz L)	996T	MCS0	-1.74	6.20	4.46	9.8	-5.34

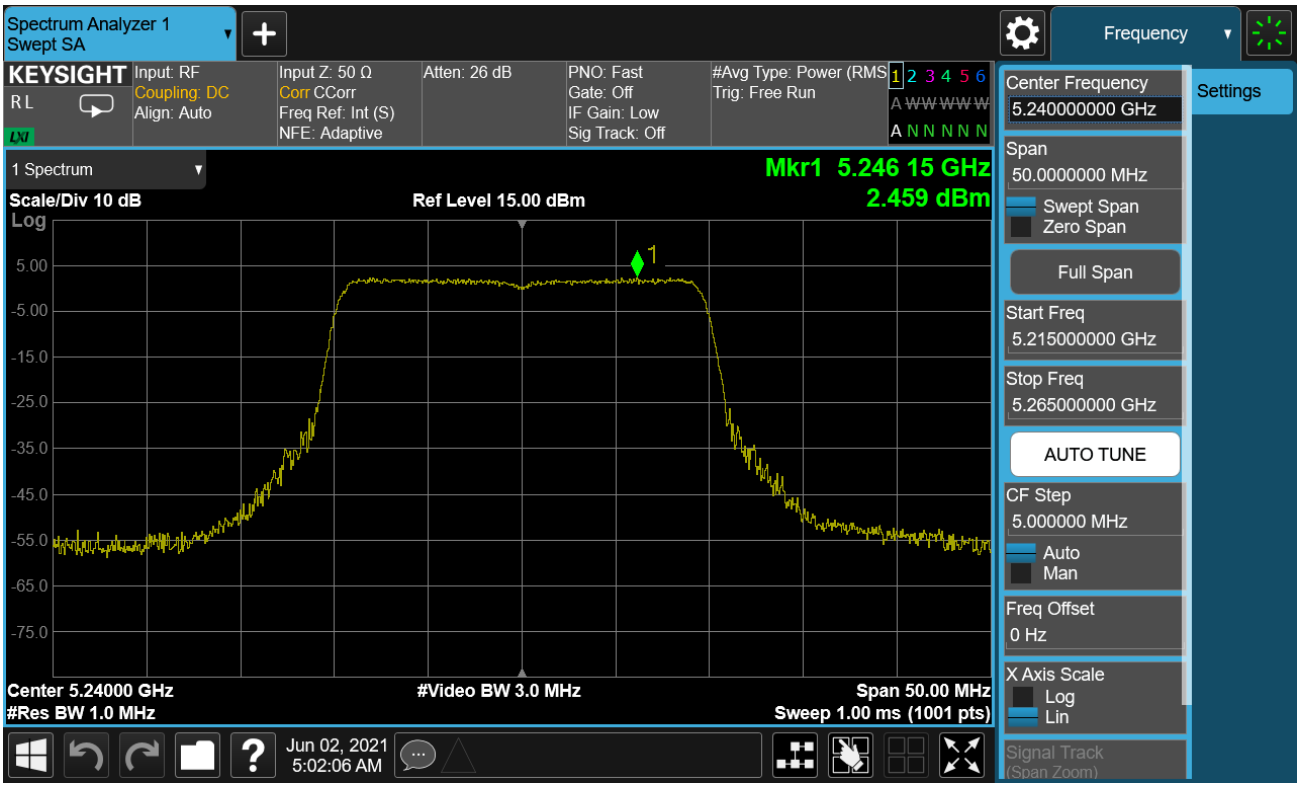
Table 7-95. Bands 1 e.i.r.p. Conducted Power Spectral Density Measurements SISO SOUTH (Full Tones) ISED



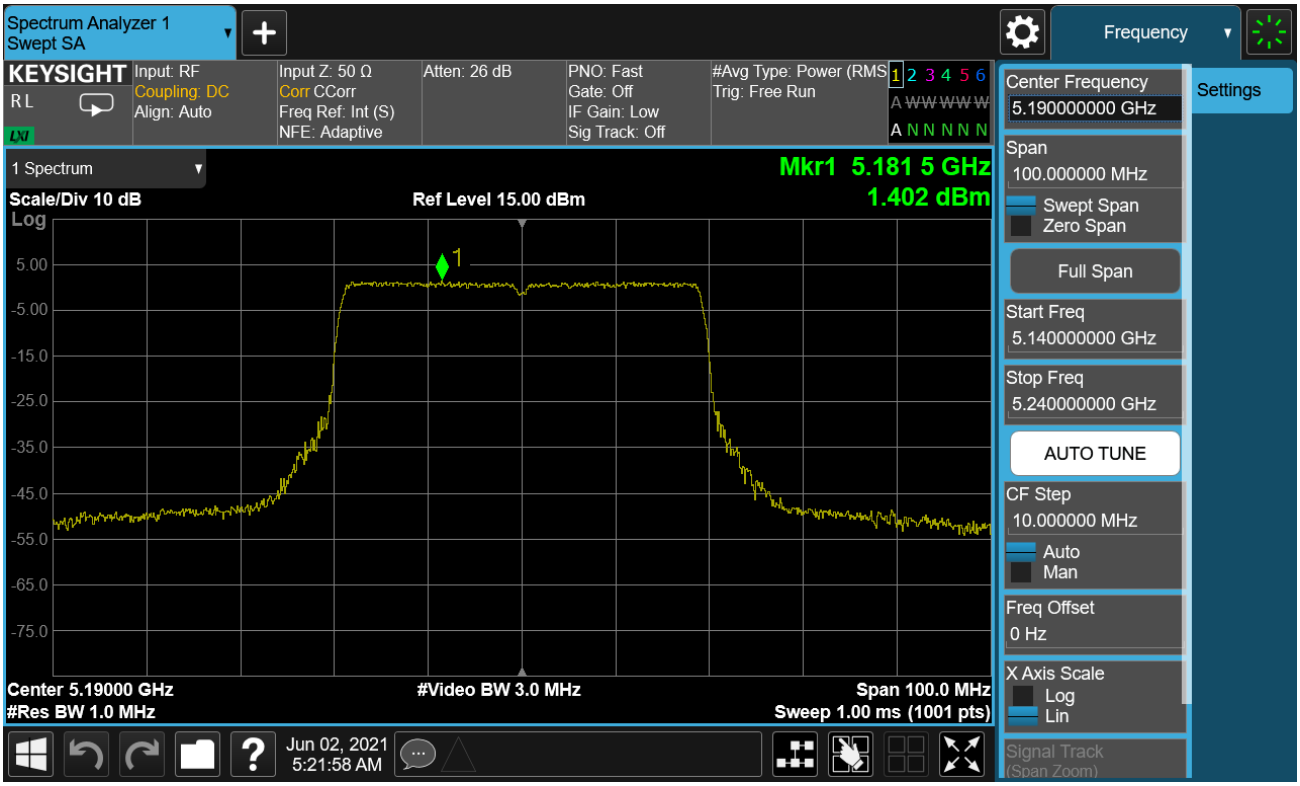
Plot 7-156. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 36)



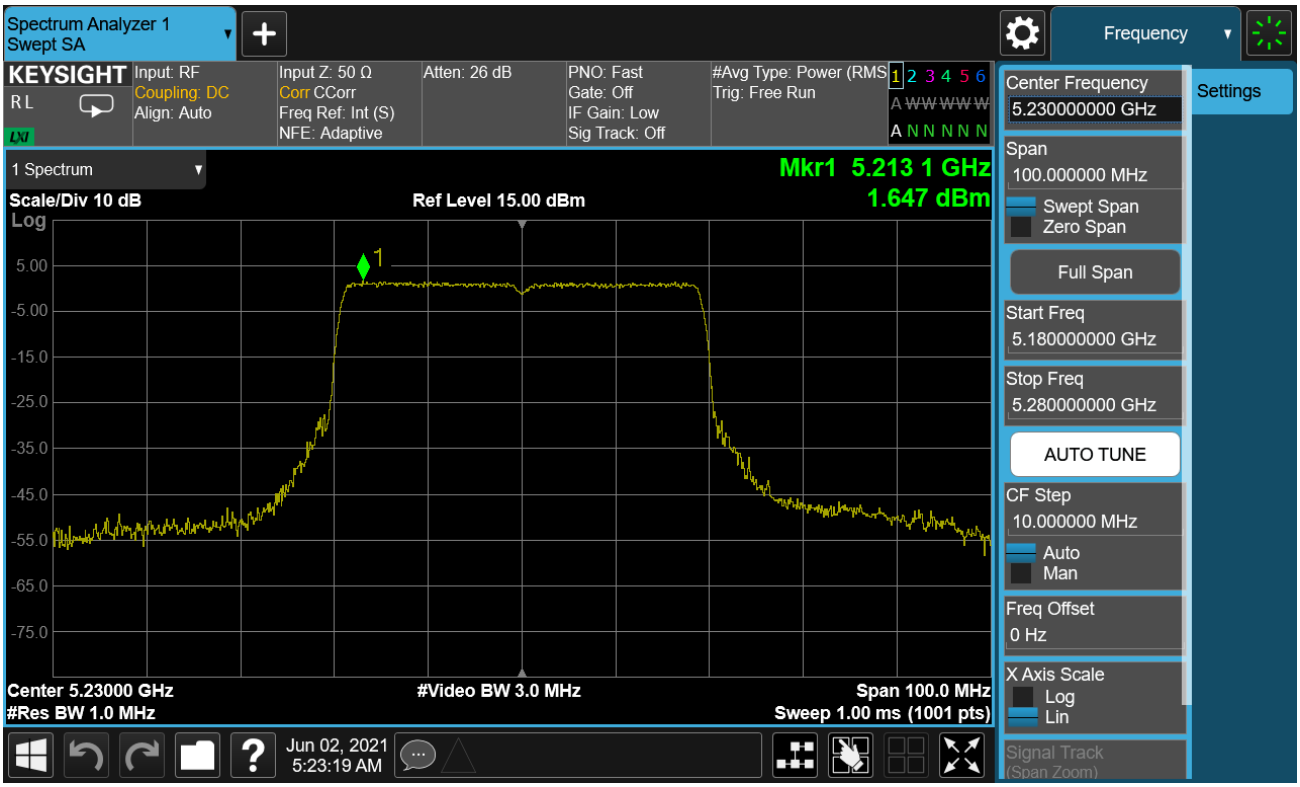
Plot 7-157. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 40)



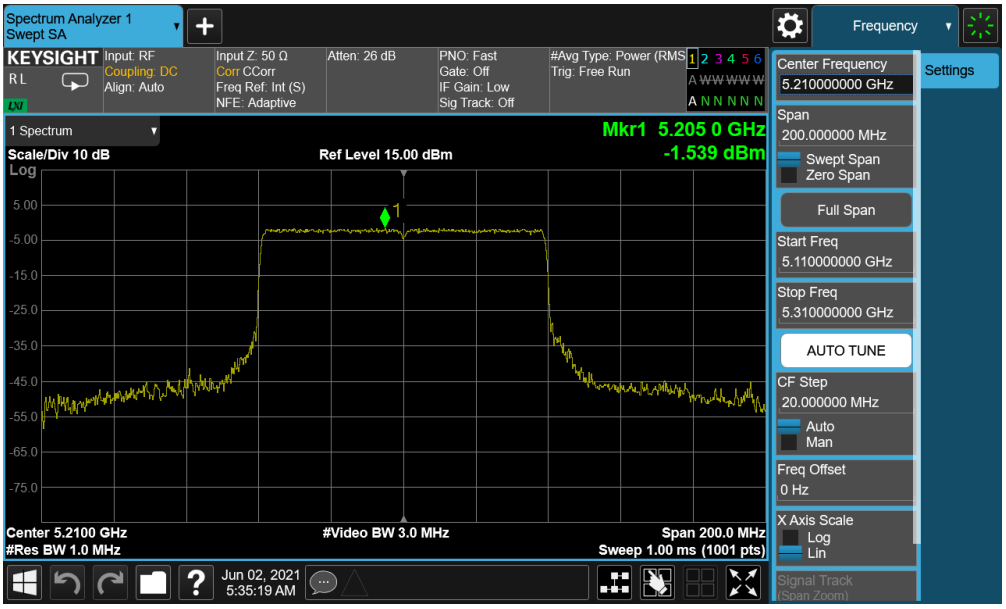
Plot 7-158. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 48)



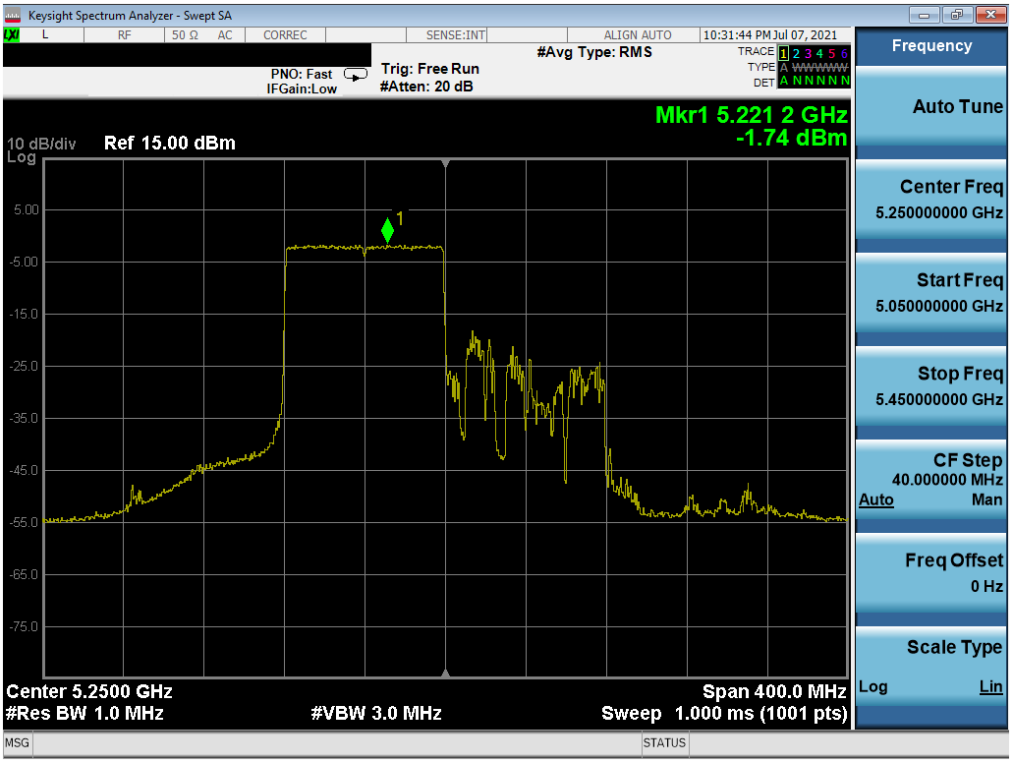
Plot 7-159. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 38)



Plot 7-160. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 46)

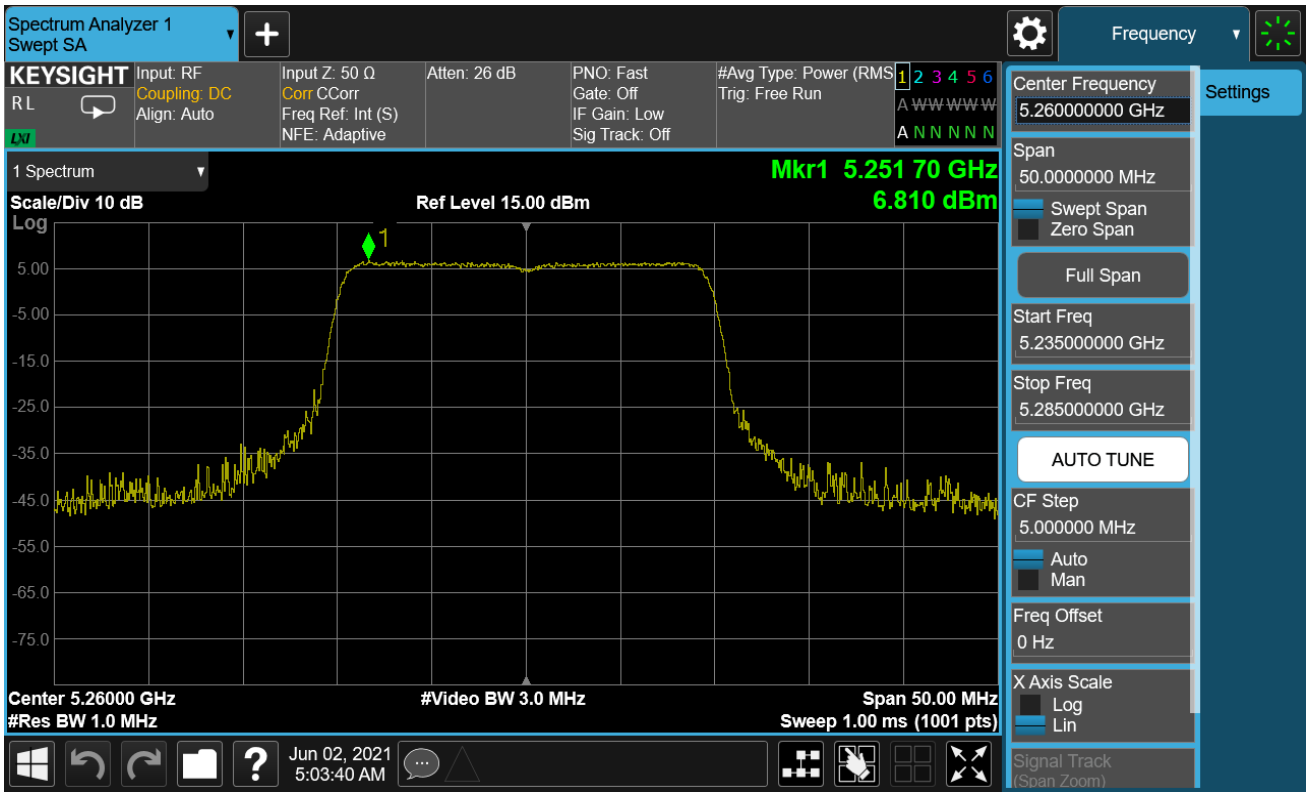


Plot 7-161. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 42)

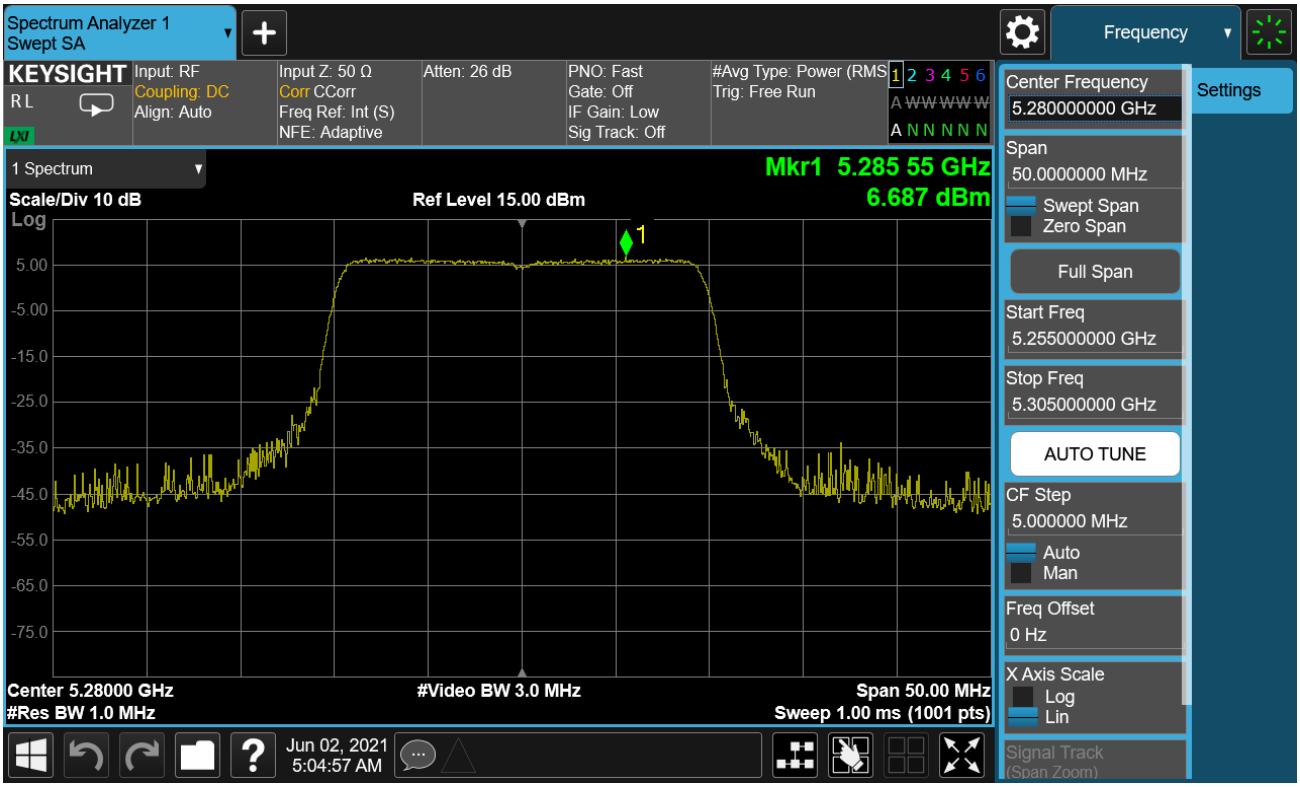


Plot 7-162. Power Spectral Density Plot SISO SOUTH (160MHz BW (L) 802.11ax – Full Tones (UNII Band 1) – Ch. 50)

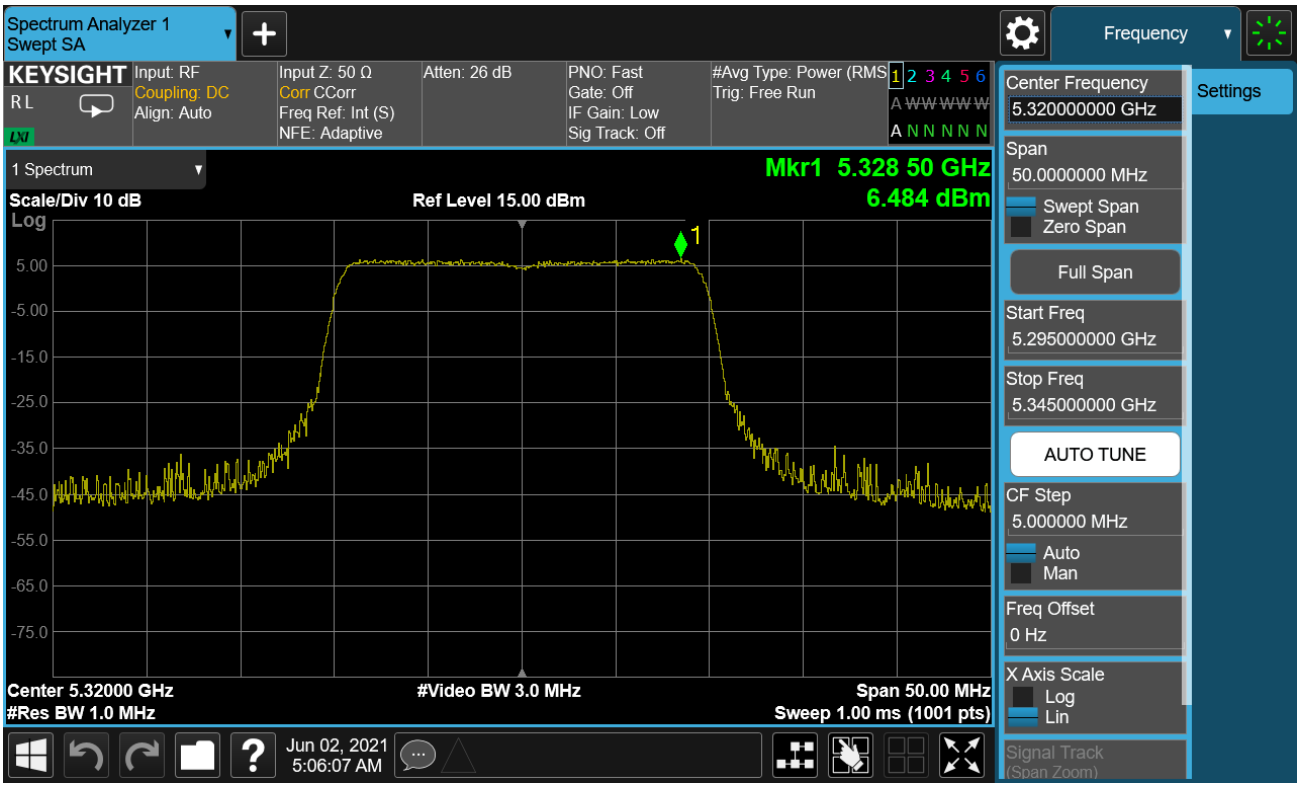
Plot 7-163. Power Spectral Density Plot SISO SOUTH (160MHz BW (U) 802.11ax – Full Tones (UNII Band 2A) – Ch. 50)



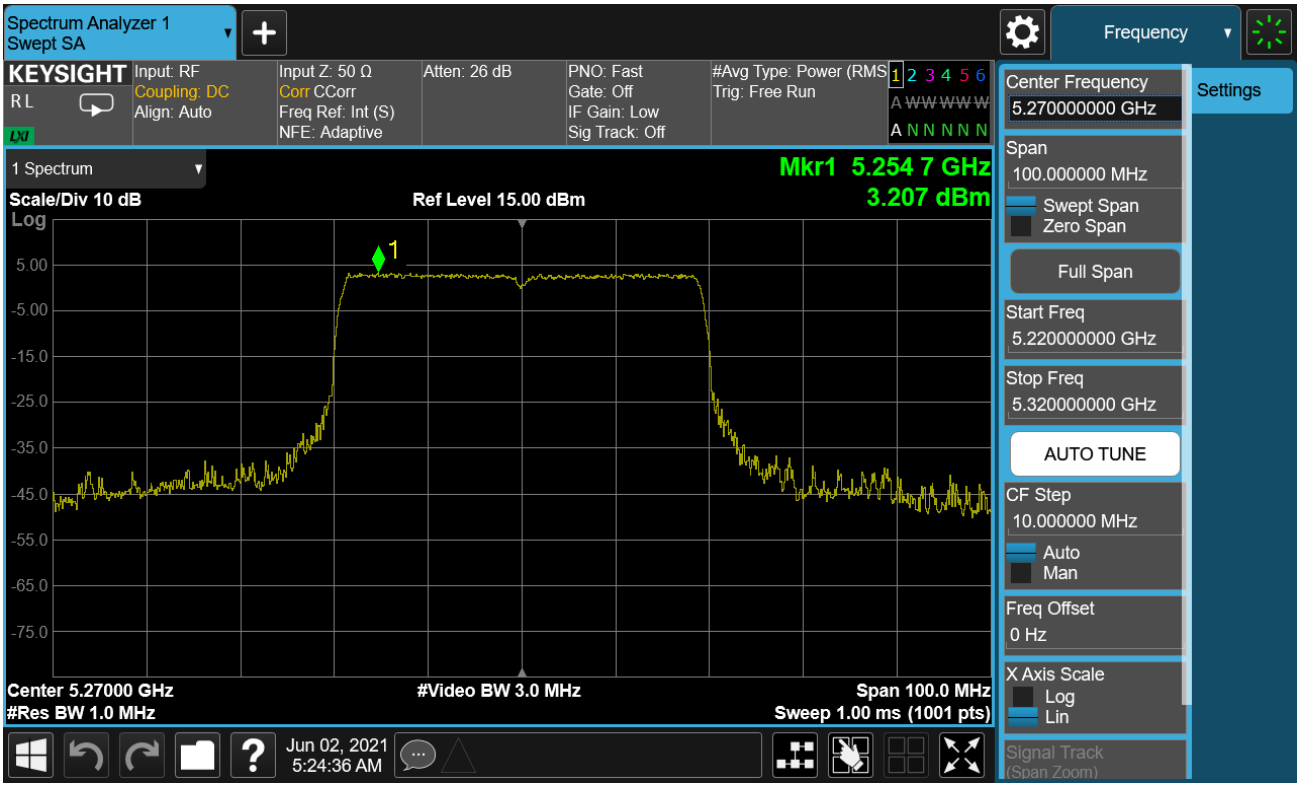
Plot 7-164. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 52)



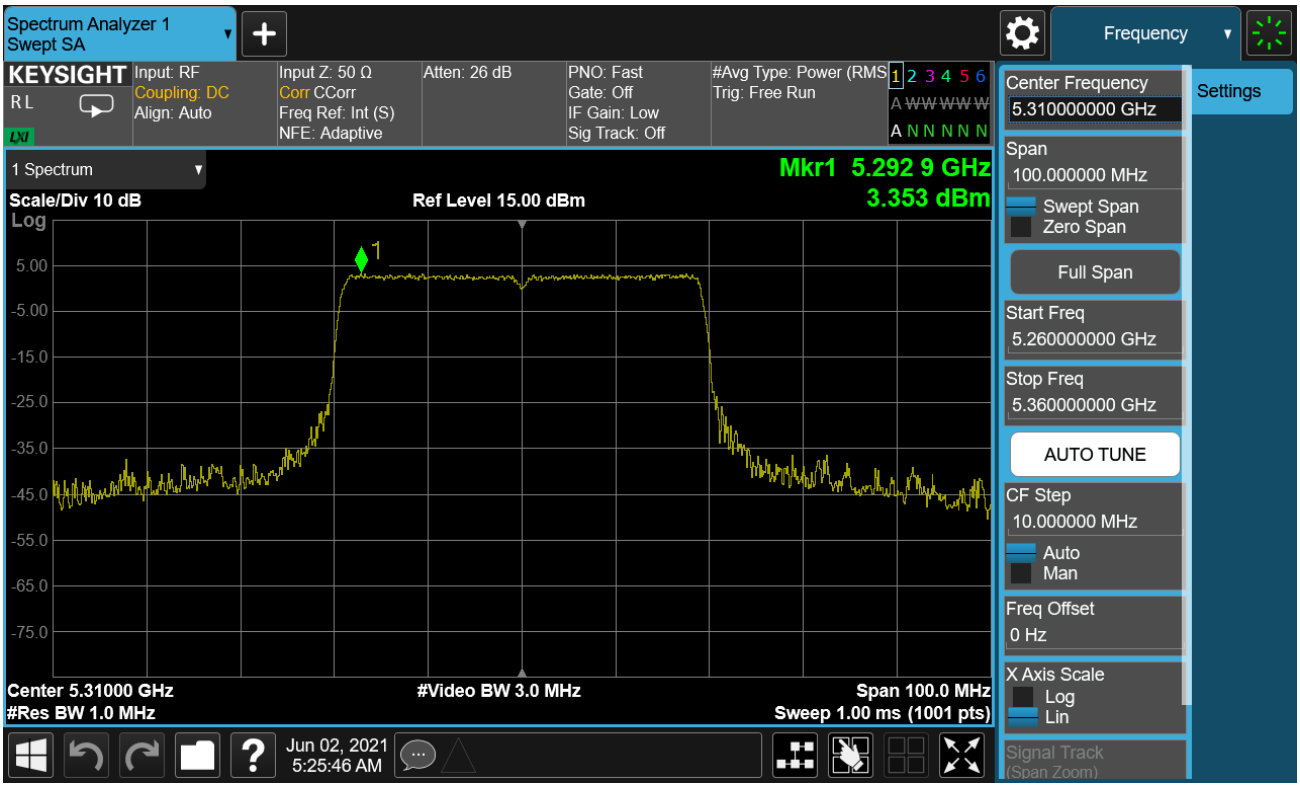
Plot 7-165. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 56)



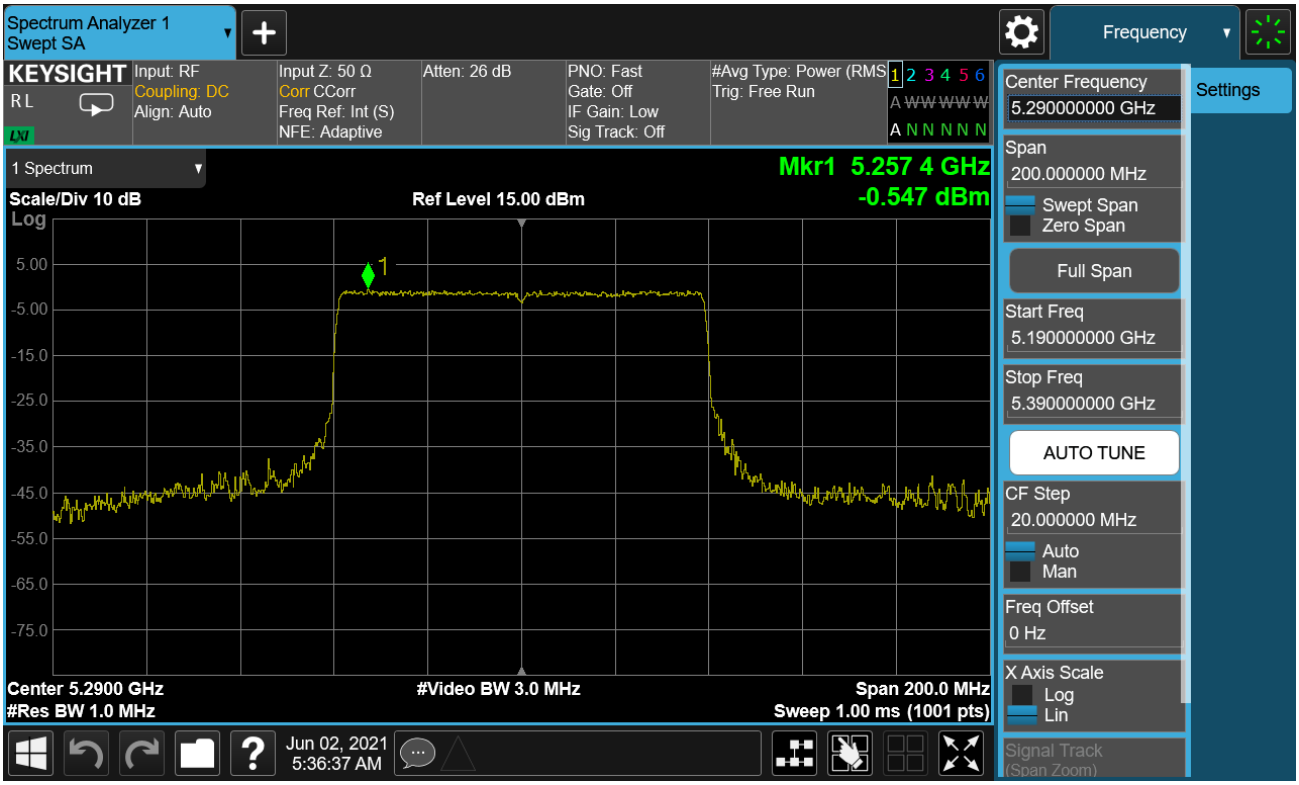
Plot 7-166. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 64)



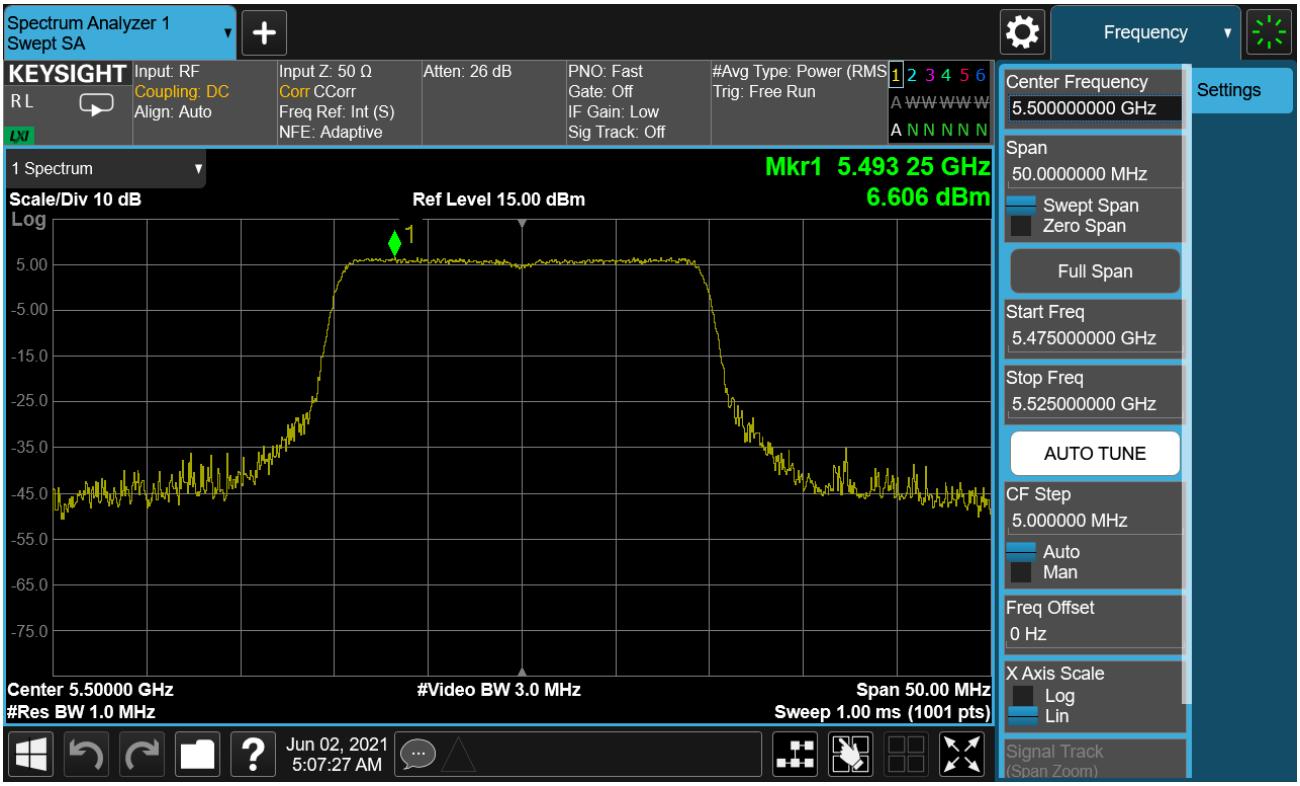
Plot 7-167. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 54)



Plot 7-168. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 62)



Plot 7-169. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 58)



Plot 7-170. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 100)