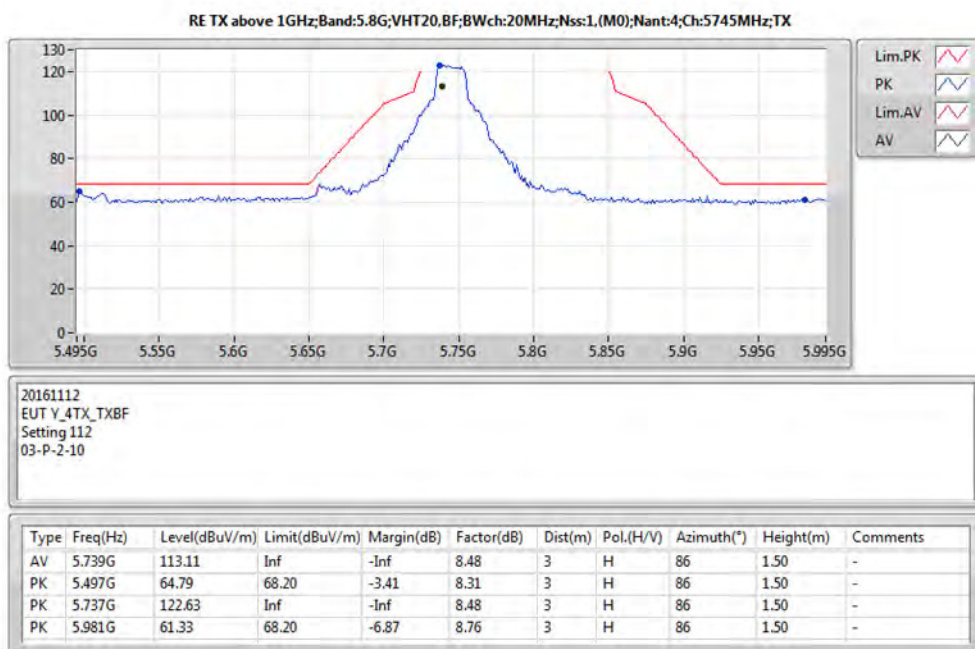
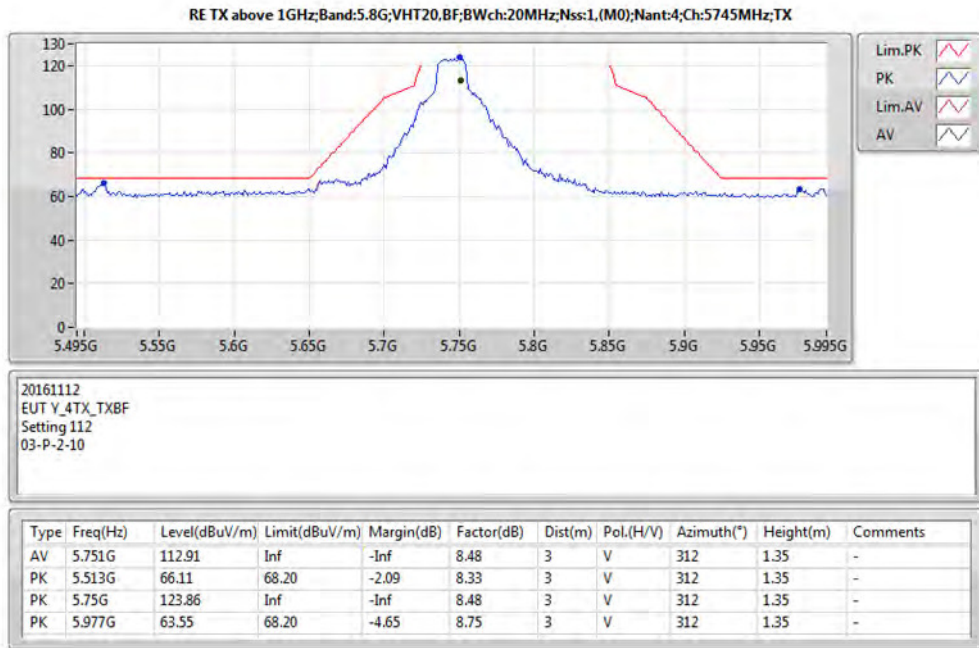
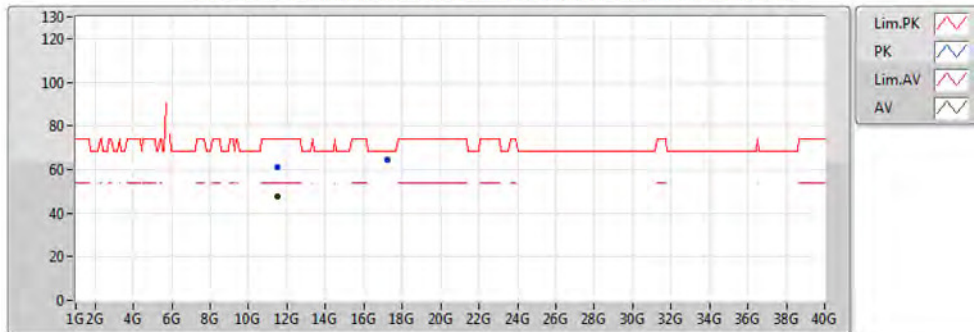




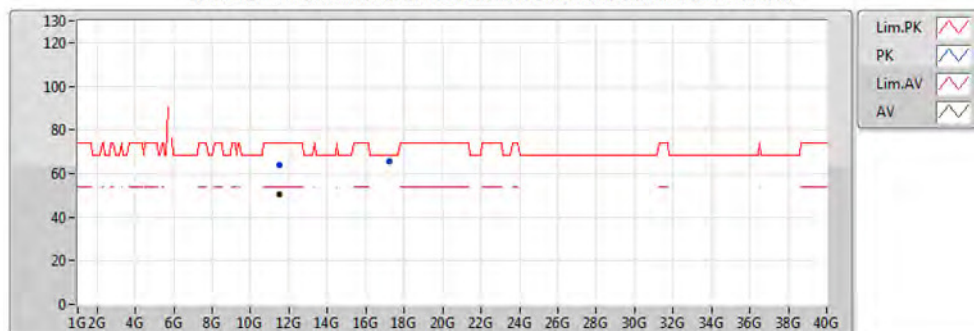
RE TX above 1GHz;Band:5.8G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5745MHz;TX



20161114
EUT_Y_4TX_TXBF
Setting 112
01-P-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	11.49022G	47.49	54.00	-6.51	11.78	3	V	359	2.46	-
PK	11.48946G	61.09	74.00	-12.91	11.78	3	V	359	2.46	-
PK	17.23612G	64.21	68.20	-3.99	17.33	3	V	5	1.77	-

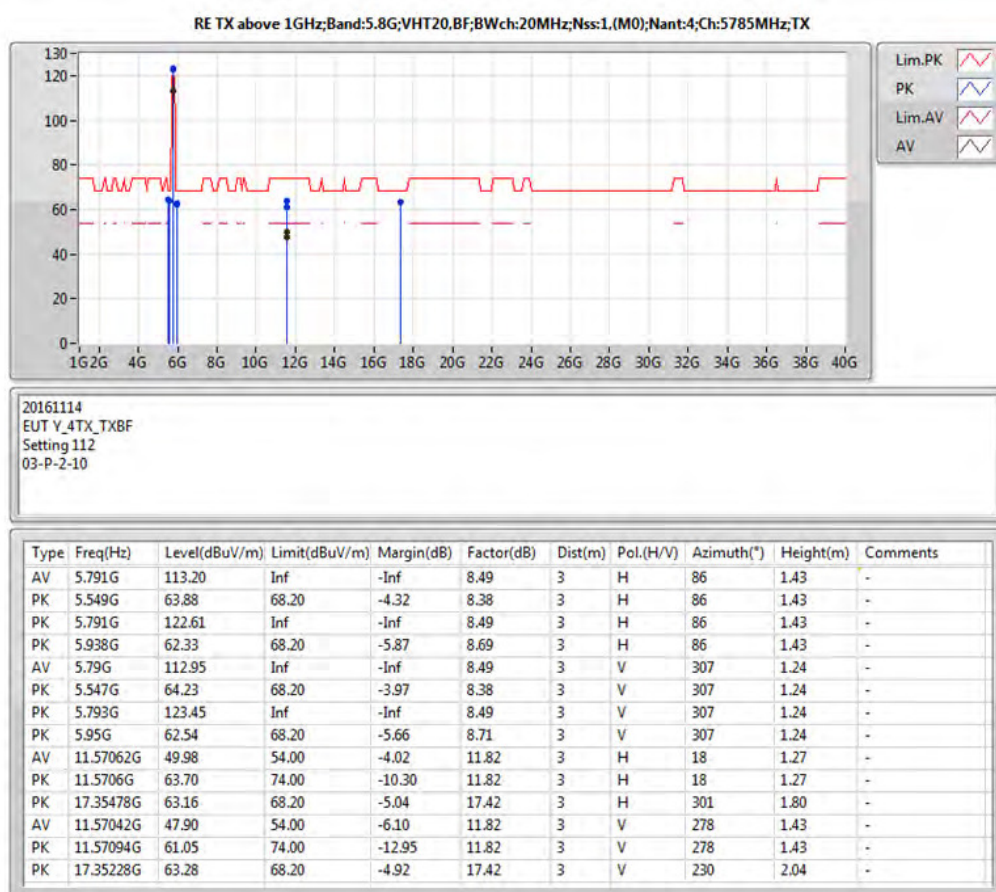
RE TX above 1GHz;Band:5.8G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5745MHz;TX

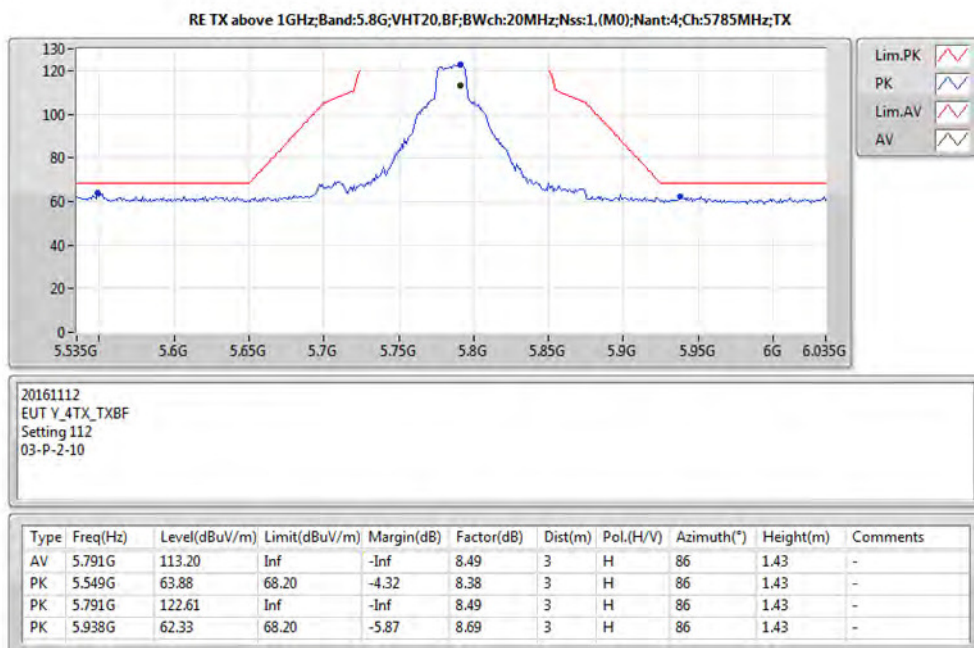
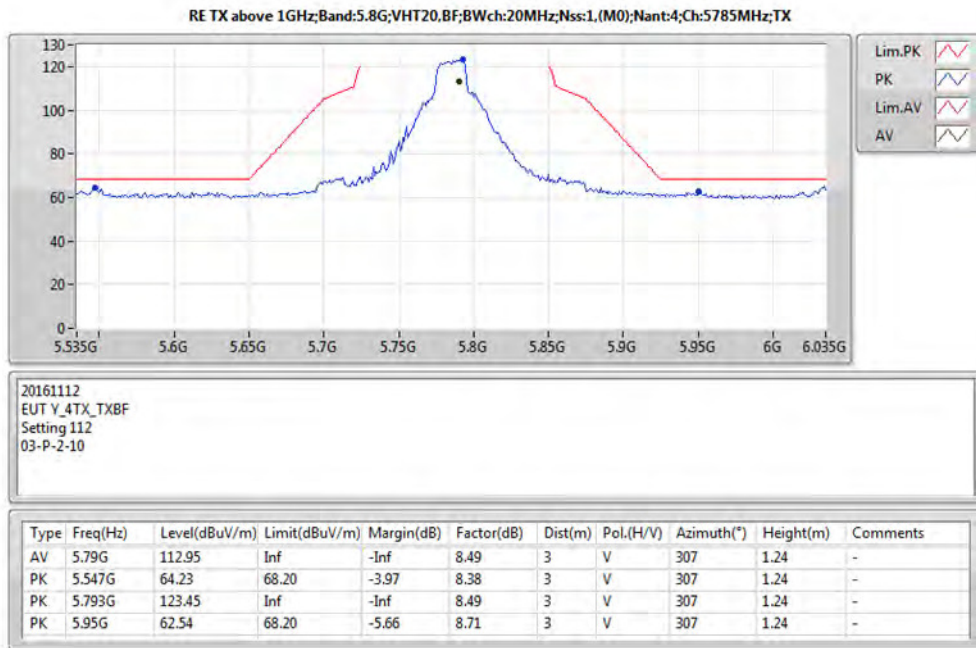


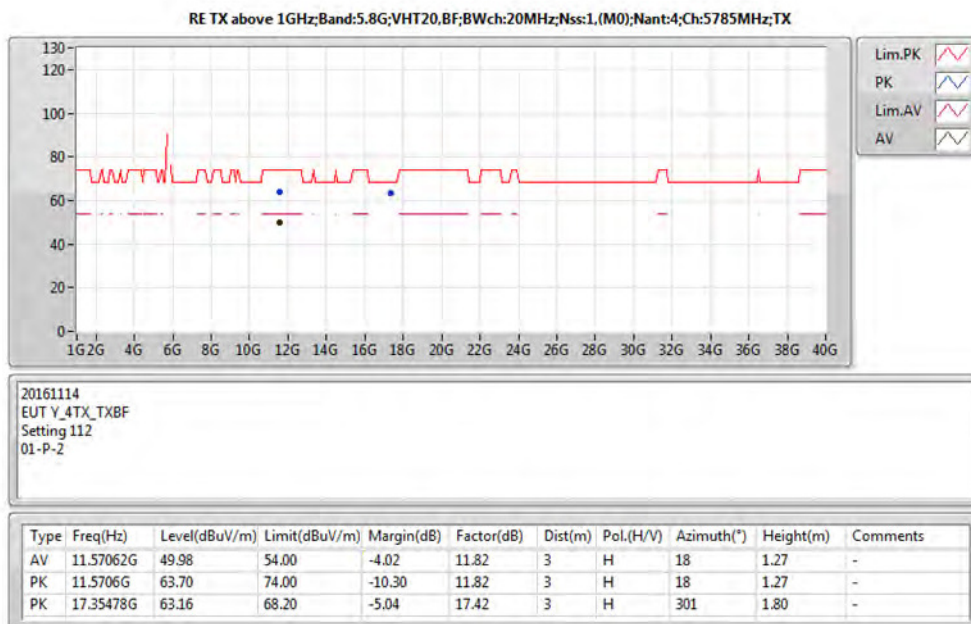
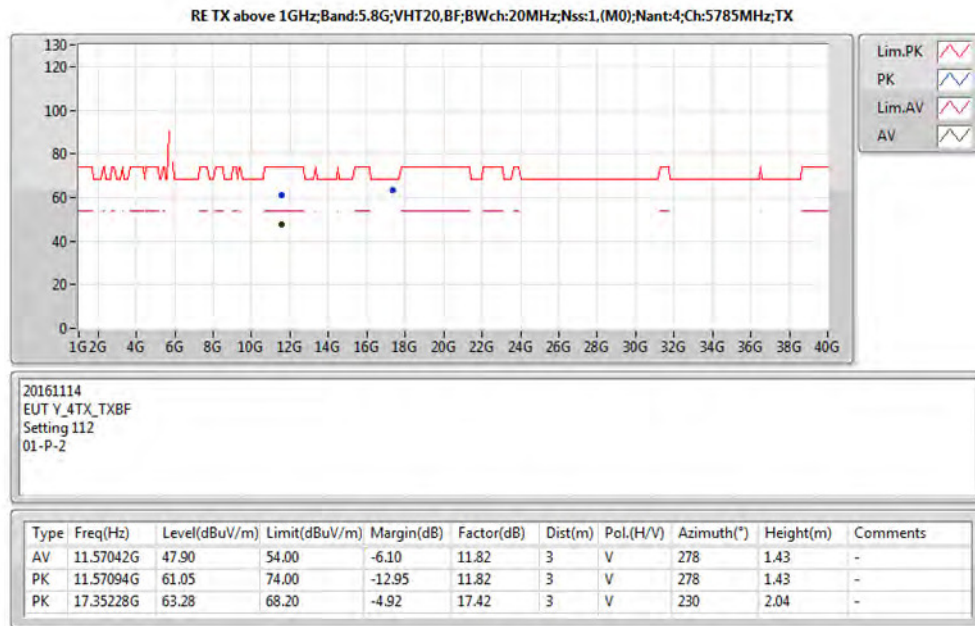
20161114
EUT_Y_4TX_TXBF
Setting 112
01-P-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
PK	17.23506G	65.59	68.20	-2.61	17.33	3	H	70	1.41	-
AV	11.4908G	50.46	54.00	-3.54	11.78	3	H	74	1.39	-
PK	11.4859G	63.65	74.00	-10.35	11.78	3	H	74	1.39	-

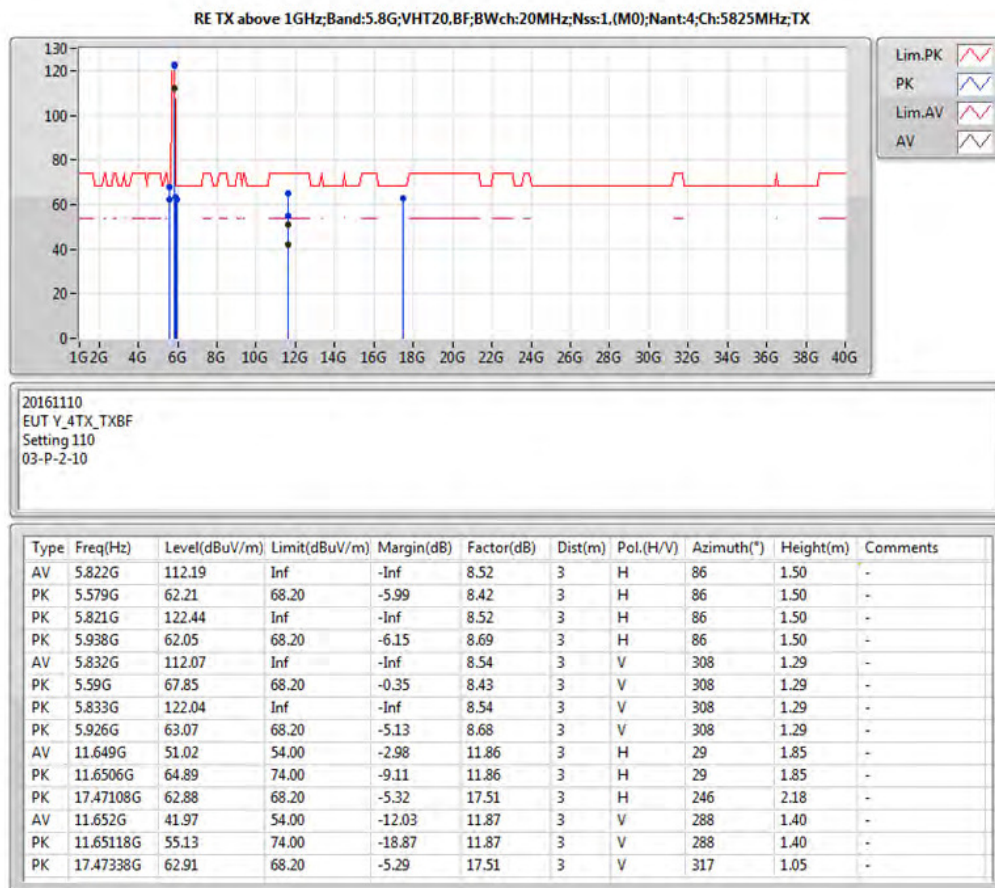
Modulation Mode	802.11ac (VHT20) (BF) MCS0/Nss1 / UNII-3	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5785		

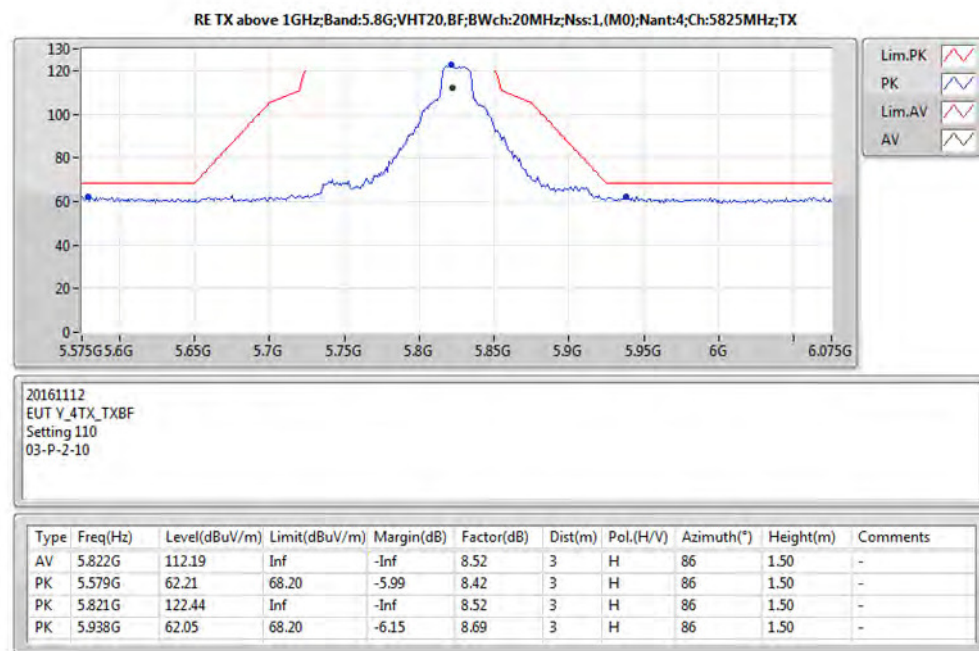
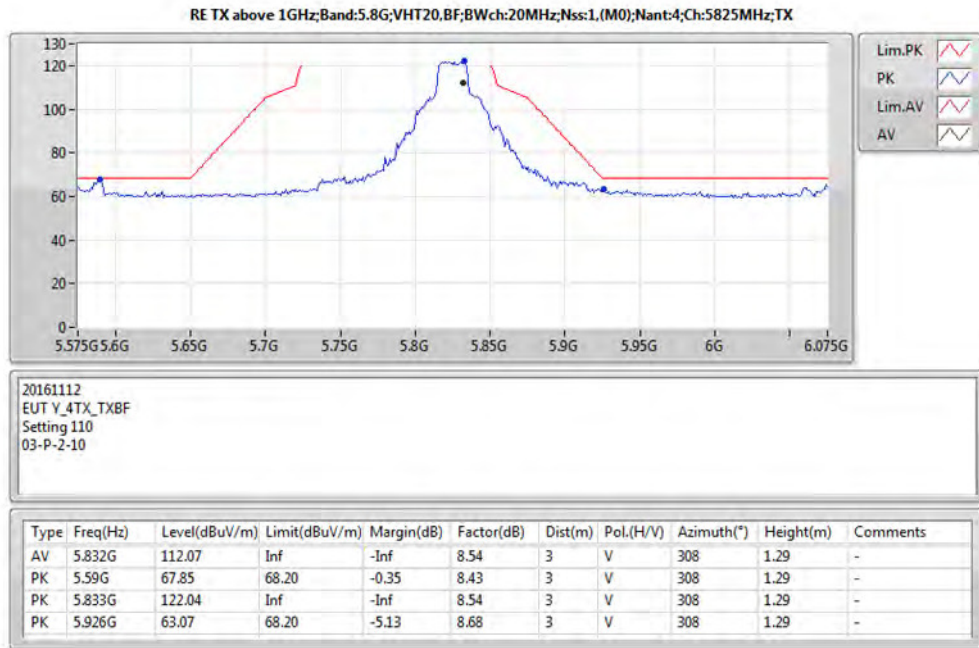




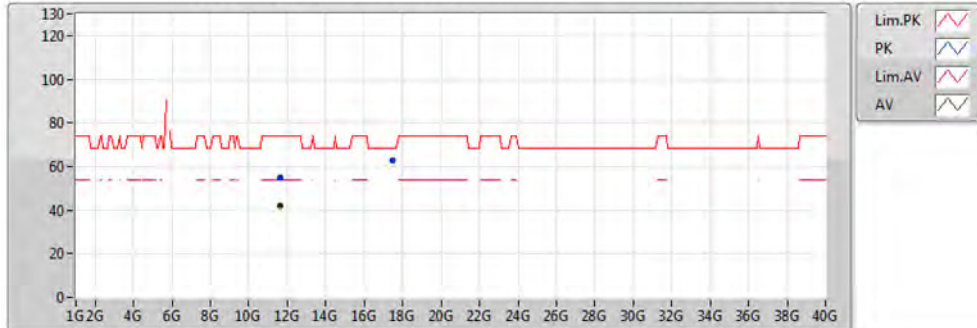


Modulation Mode	802.11ac (VHT20) (BF) MCS0/Nss1 / UNII-3	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5825		





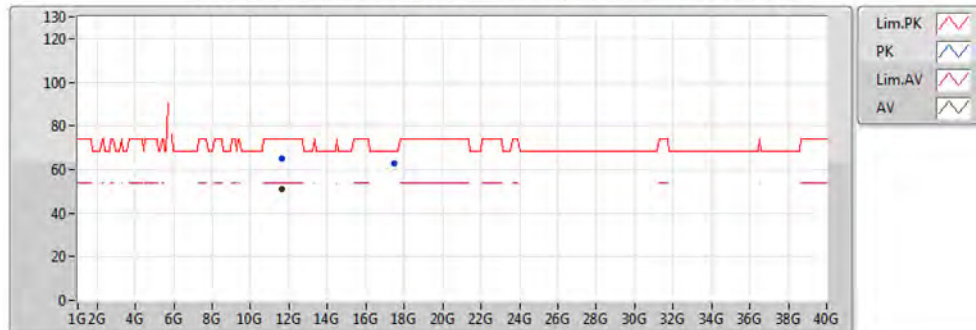
RE TX above 1GHz;Band:5.8G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5825MHz;TX



20161114
EUT_Y_4TX_TXBF
Setting 110
01-P-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	17.47338G	62.91	68.20	-5.29	17.51	3	V	317	1.05	-
PK	11.65118G	55.13	74.00	-18.87	11.87	3	V	288	1.40	-
AV	11.652G	41.97	54.00	-12.03	11.87	3	V	288	1.40	-

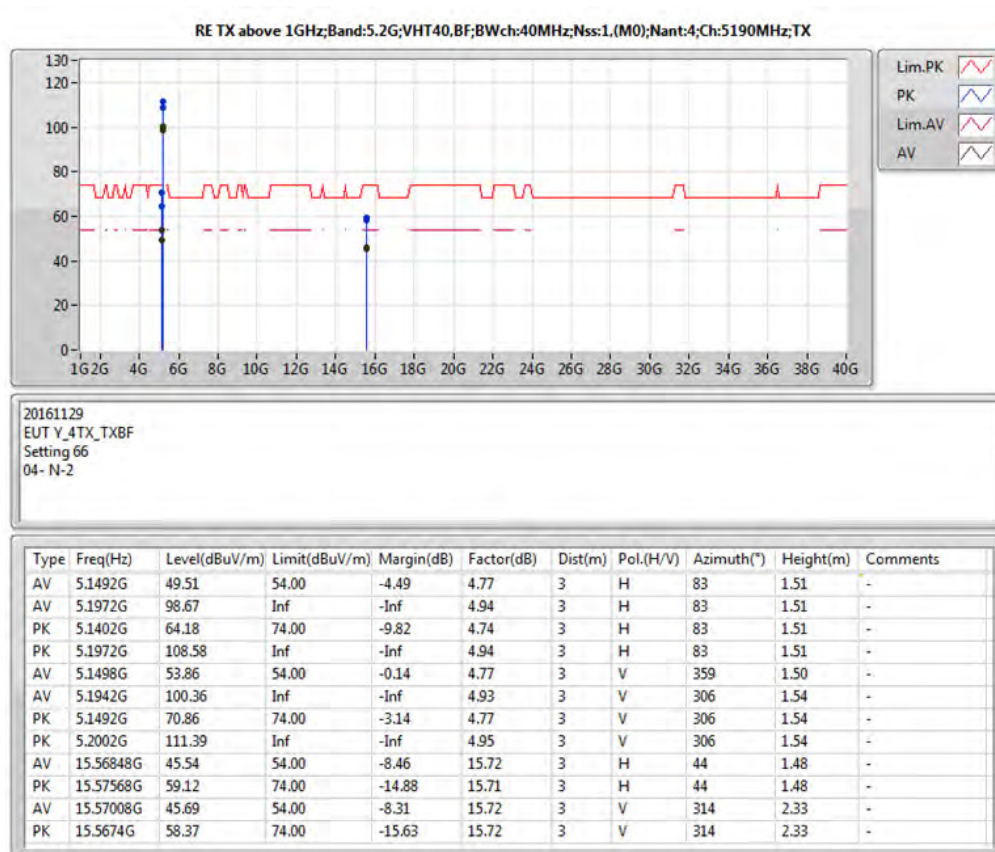
RE TX above 1GHz;Band:5.8G;VHT20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5825MHz;TX

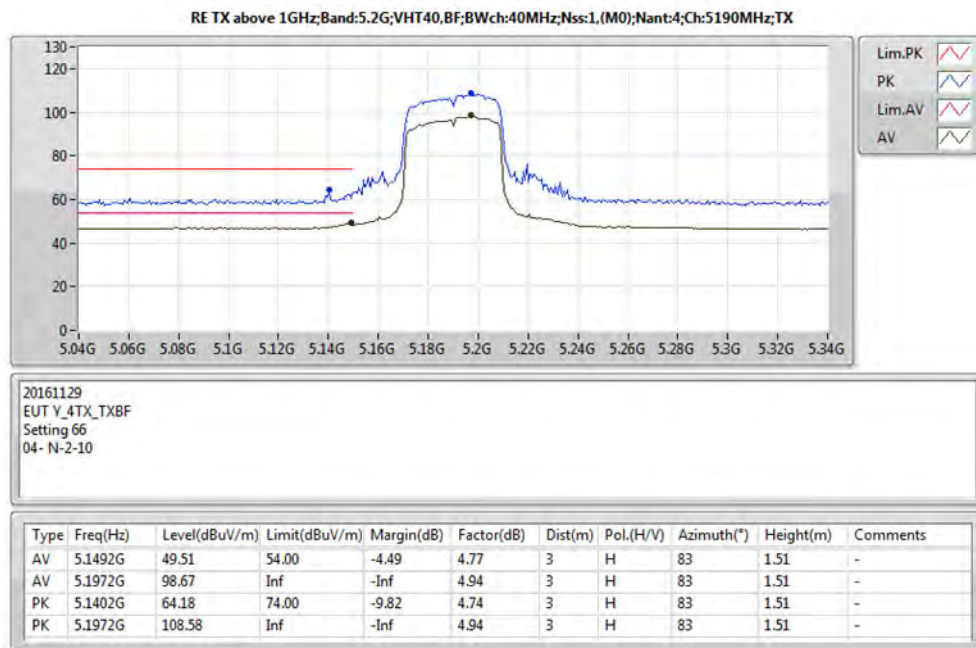
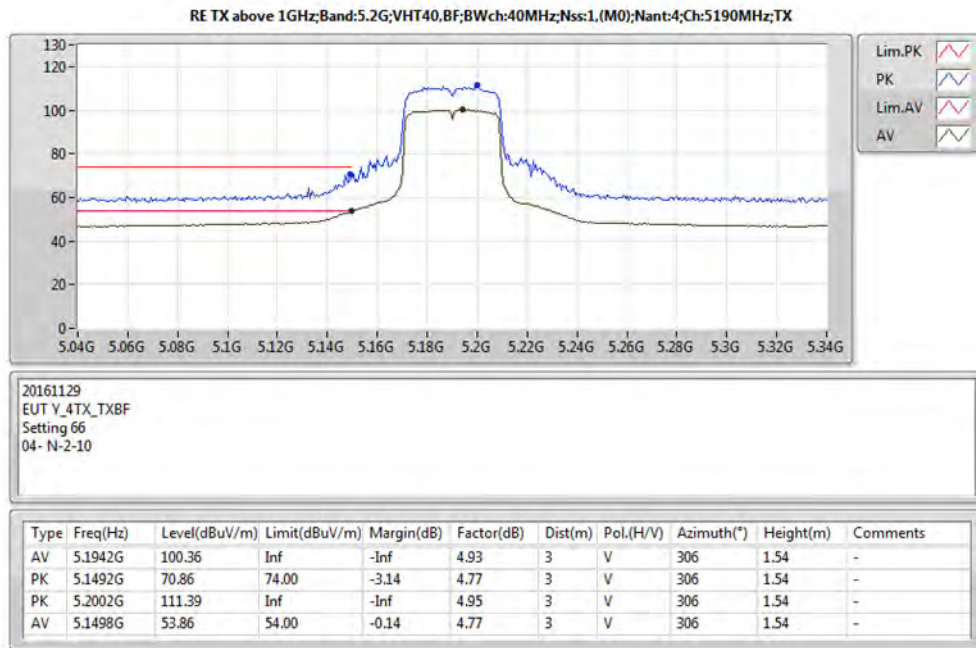


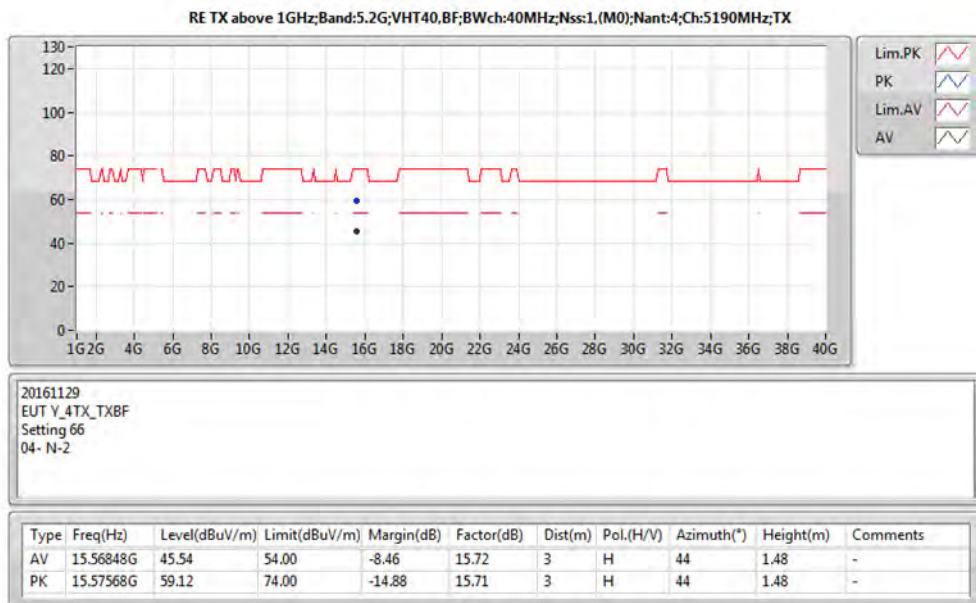
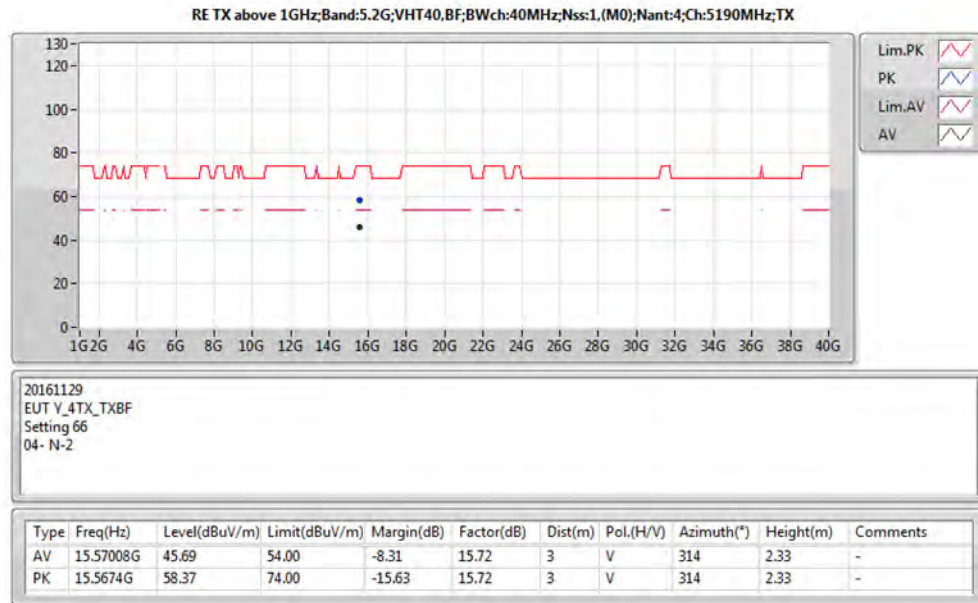
20161114
EUT_Y_4TX_TXBF
Setting 110
01-P-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.649G	51.02	54.00	-2.98	11.86	3	H	29	1.85	-
PK	11.6506G	64.89	74.00	-9.11	11.86	3	H	29	1.85	-
PK	17.47108G	62.88	68.20	-5.32	17.51	3	H	246	2.18	-

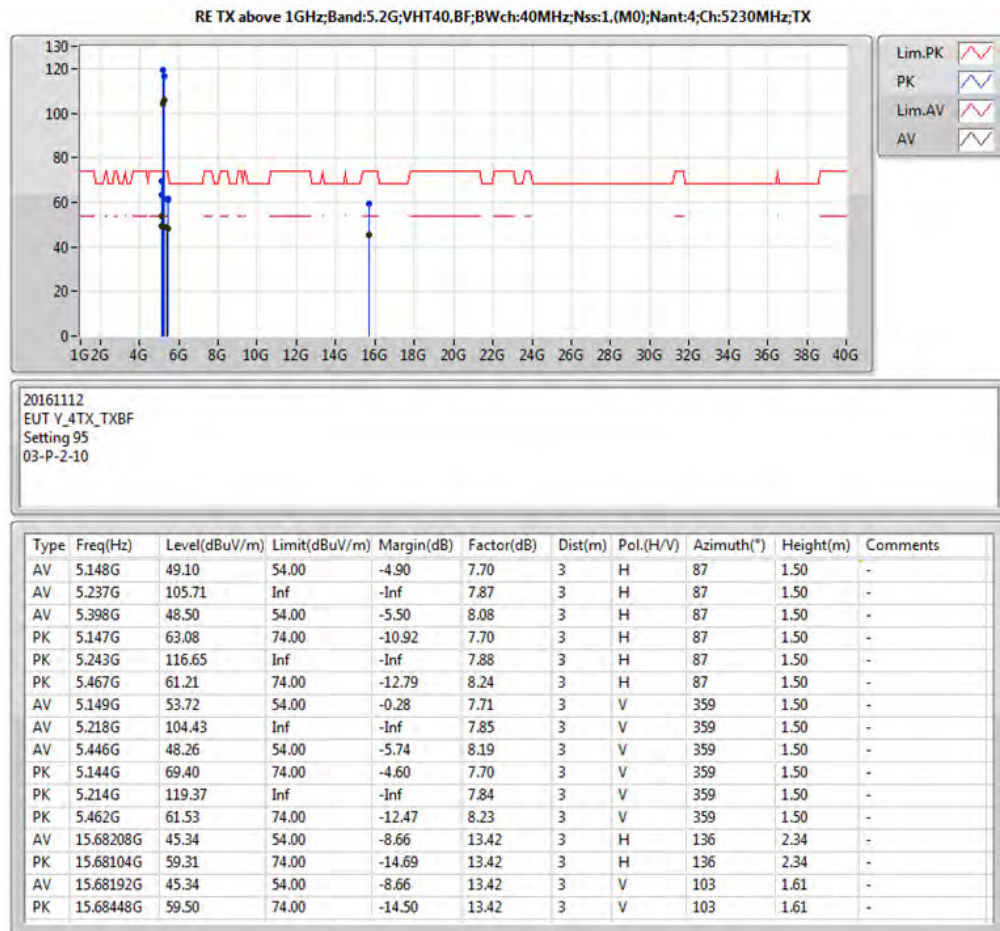
Modulation Mode	802.11ac (VHT40) (BF) MCS0/Nss1 / UNII-1	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5190		



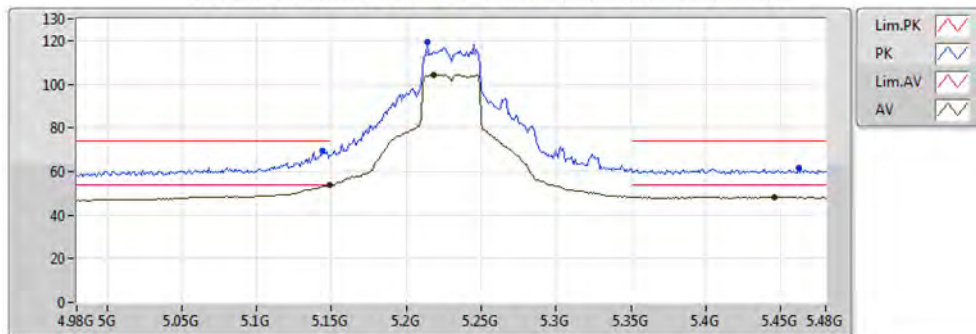




Modulation Mode	802.11ac (VHT40) (BF) MCS0/Nss1 / UNII-1	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5230		



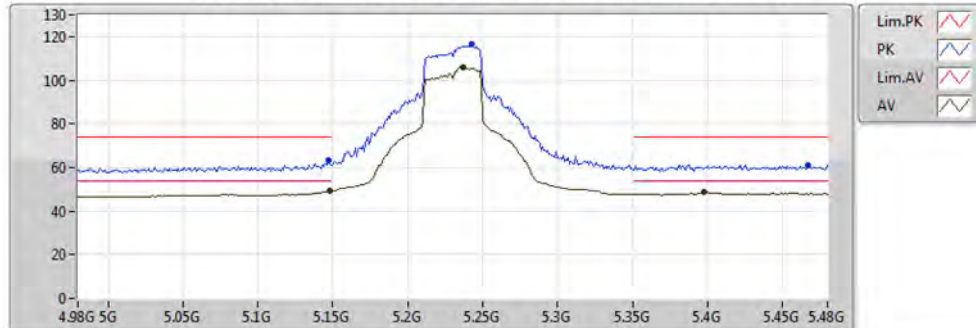
RE TX above 1GHz;Band:5.2G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5230MHz;TX



20161112
EUT_Y_4TX_TXBF
Setting 95
03-P-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149G	53.72	54.00	-0.28	7.71	3	V	359	1.50	-
AV	5.218G	104.43	Inf	-Inf	7.85	3	V	359	1.50	-
AV	5.446G	48.26	54.00	-5.74	8.19	3	V	359	1.50	-
PK	5.144G	69.40	74.00	-4.60	7.70	3	V	359	1.50	-
PK	5.214G	119.37	Inf	-Inf	7.84	3	V	359	1.50	-
PK	5.462G	61.53	74.00	-12.47	8.23	3	V	359	1.50	-

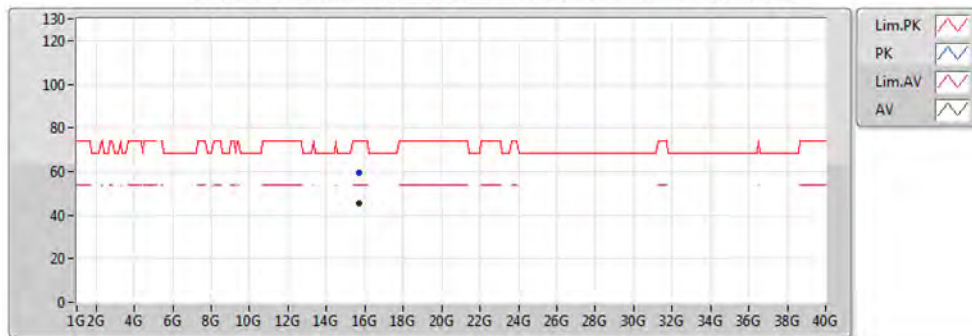
RE TX above 1GHz;Band:5.2G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5230MHz;TX



20161112
EUT_Y_4TX_TXBF
Setting 95
03-P-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.148G	49.10	54.00	-4.90	7.70	3	H	87	1.50	-
AV	5.237G	105.71	Inf	-Inf	7.87	3	H	87	1.50	-
AV	5.398G	48.50	54.00	-5.50	8.08	3	H	87	1.50	-
PK	5.147G	63.08	74.00	-10.92	7.70	3	H	87	1.50	-
PK	5.243G	116.65	Inf	-Inf	7.88	3	H	87	1.50	-
PK	5.467G	61.21	74.00	-12.79	8.24	3	H	87	1.50	-

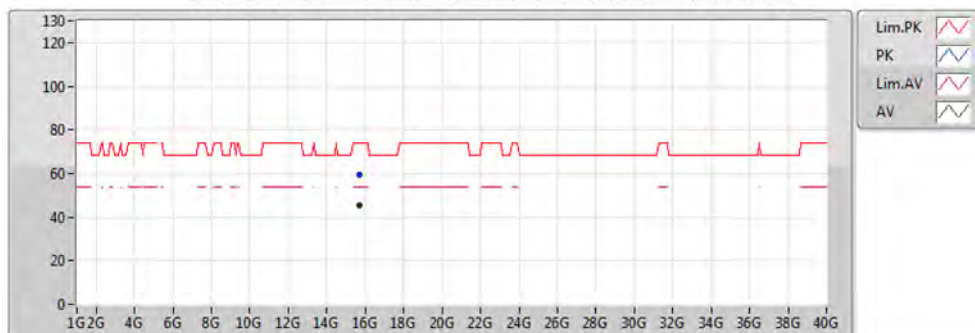
RE TX above 1GHz;Band:5.2G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5230MHz;TX



20161112
EUT_Y_4TX_TXBF
Setting 95
03-R-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.68192G	45.34	54.00	-8.66	13.42	3	V	103	1.61	-
PK	15.68448G	59.50	74.00	-14.50	13.42	3	V	103	1.61	-

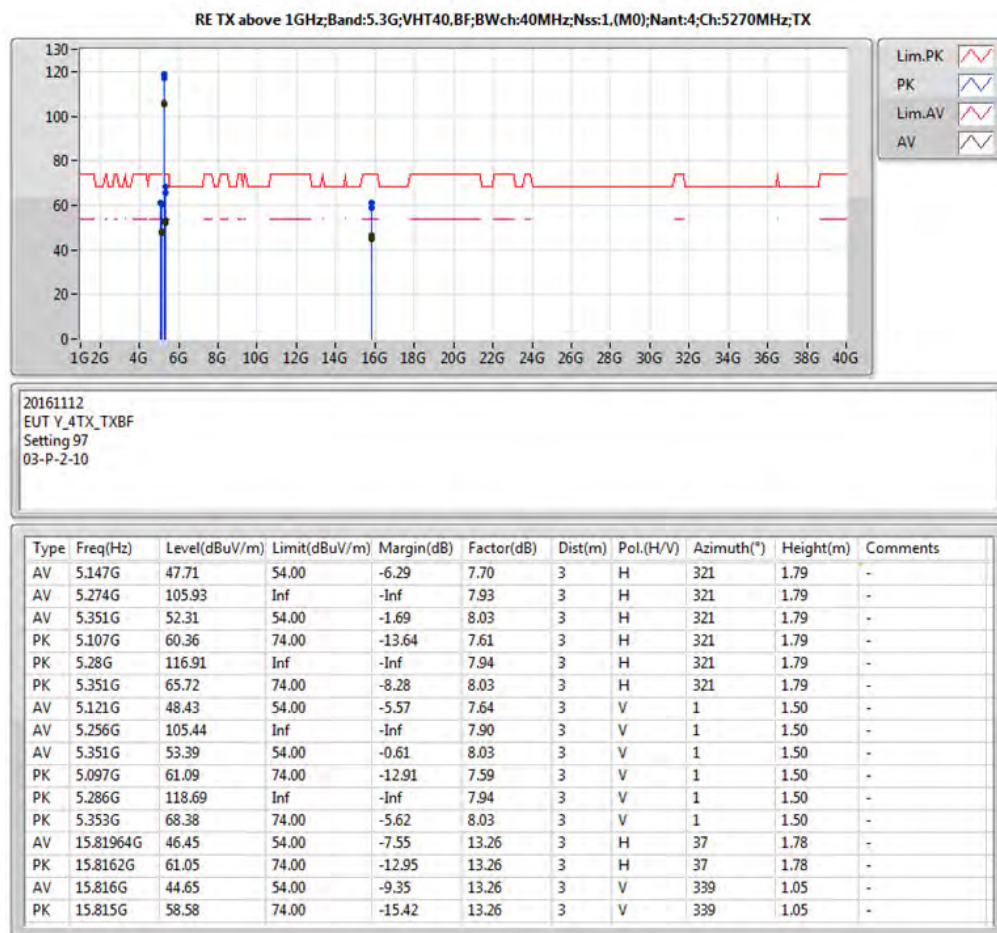
RE TX above 1GHz;Band:5.2G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5230MHz;TX



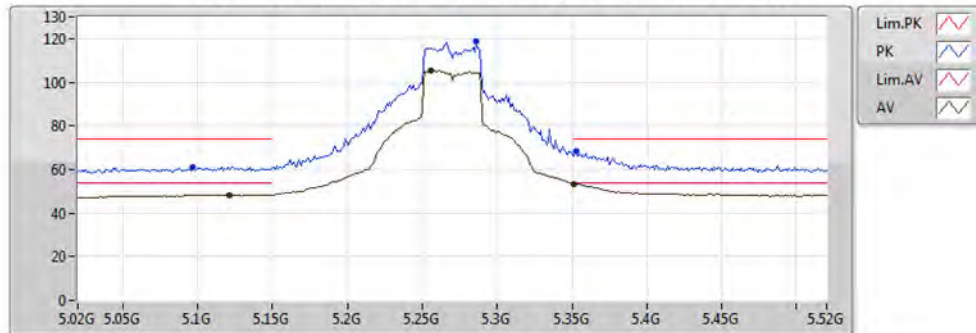
20161112
EUT_Y_4TX_TXBF
Setting 95
03-P-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.68208G	45.34	54.00	-8.66	13.42	3	H	136	2.34	-
PK	15.68104G	59.31	74.00	-14.69	13.42	3	H	136	2.34	-

Modulation Mode	802.11ac (VHT40) (BF) MCS0/Nss1 / UNII-2A	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5270		



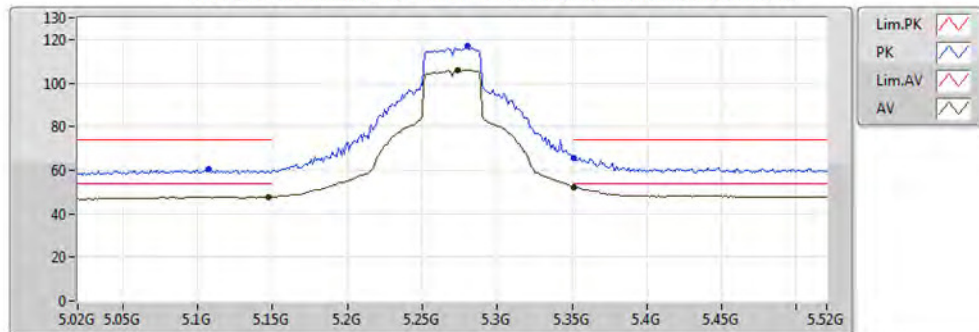
RE TX above 1GHz;Band:5.3G;VHT40,BF;BWch:40MHz;Nss:1.(M0);Nant:4;Ch:5270MHz;TX



20161112
EUT_Y_4TX_TXBF
Setting 97
03-P-2-10

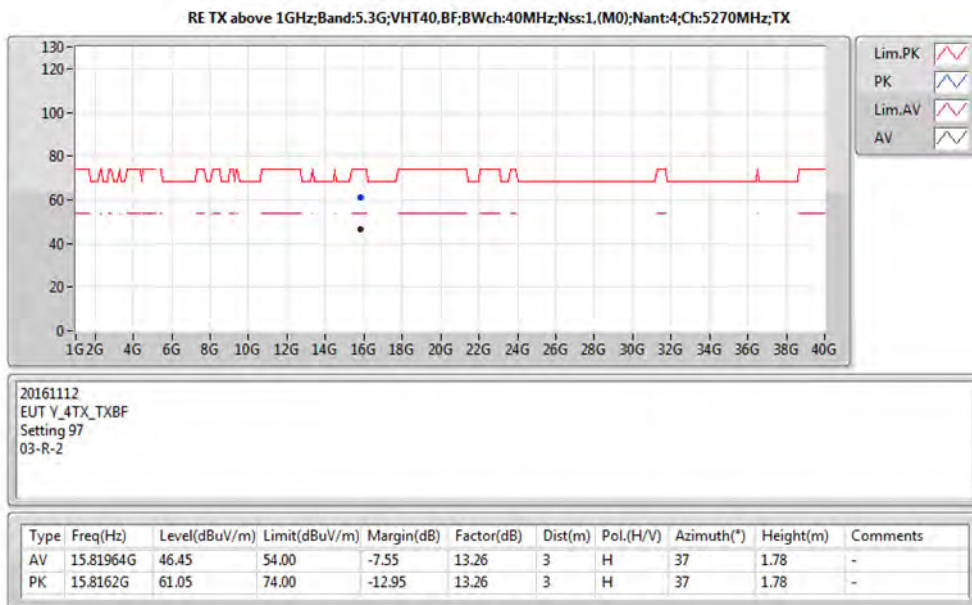
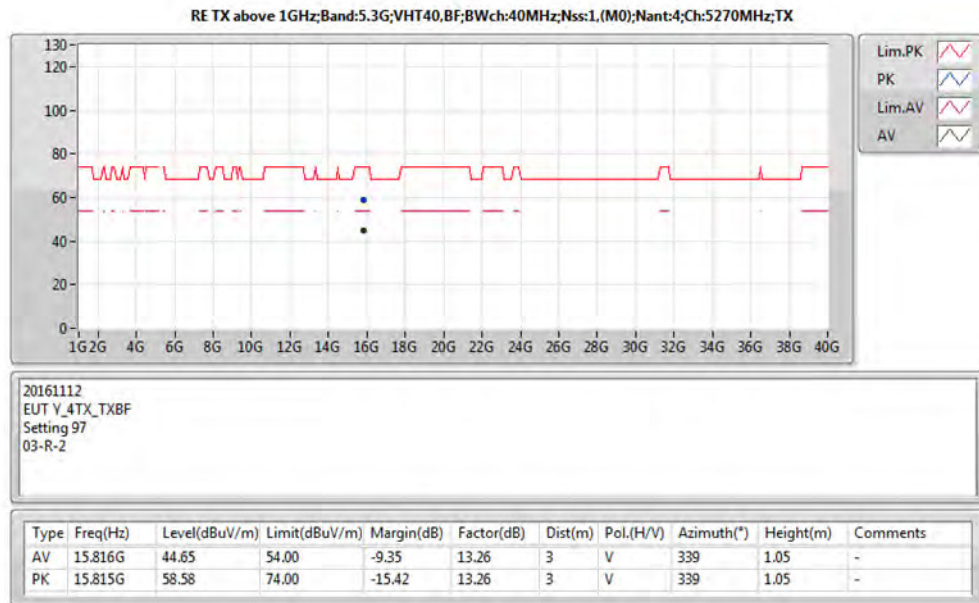
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.121G	48.43	54.00	-5.57	7.64	3	V	1	1.50	-
AV	5.256G	105.44	Inf	-Inf	7.90	3	V	1	1.50	-
AV	5.351G	53.39	54.00	-0.61	8.03	3	V	1	1.50	-
PK	5.097G	61.09	74.00	-12.91	7.59	3	V	1	1.50	-
PK	5.286G	118.69	Inf	-Inf	7.94	3	V	1	1.50	-
PK	5.353G	68.38	74.00	-5.62	8.03	3	V	1	1.50	-

RE TX above 1GHz;Band:5.3G;VHT40,BF;BWch:40MHz;Nss:1.(M0);Nant:4;Ch:5270MHz;TX

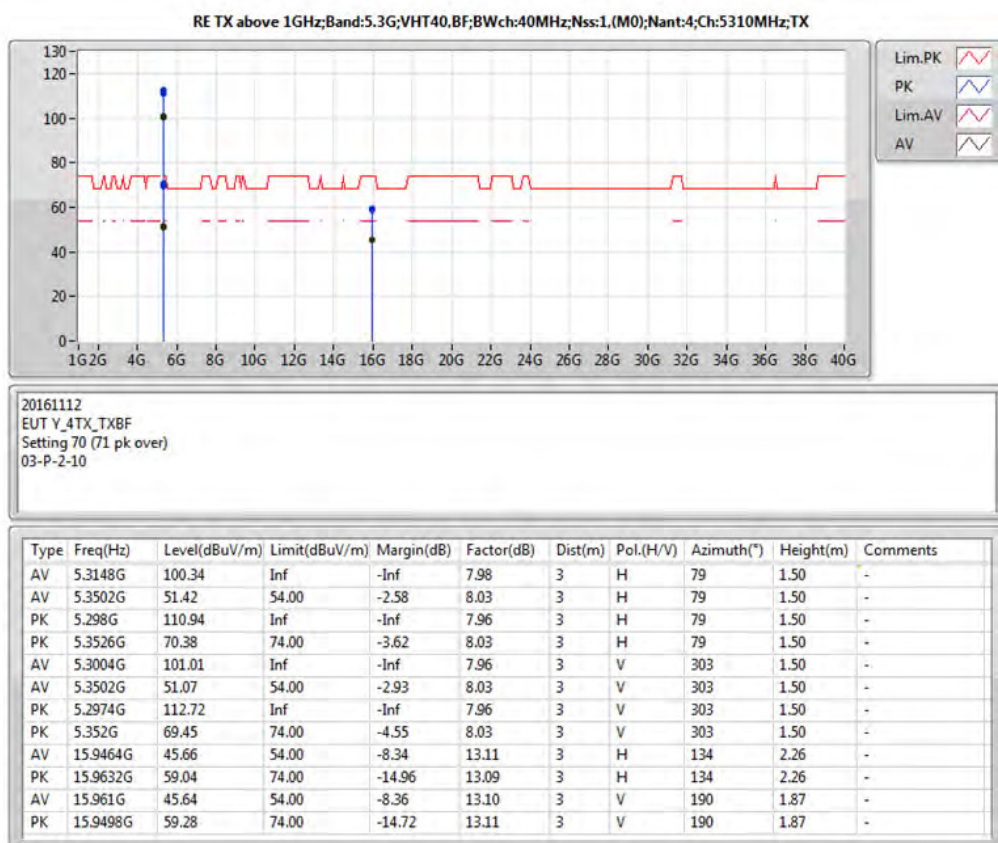


20161112
EUT_Y_4TX_TXBF
Setting 97
03-P-2-10

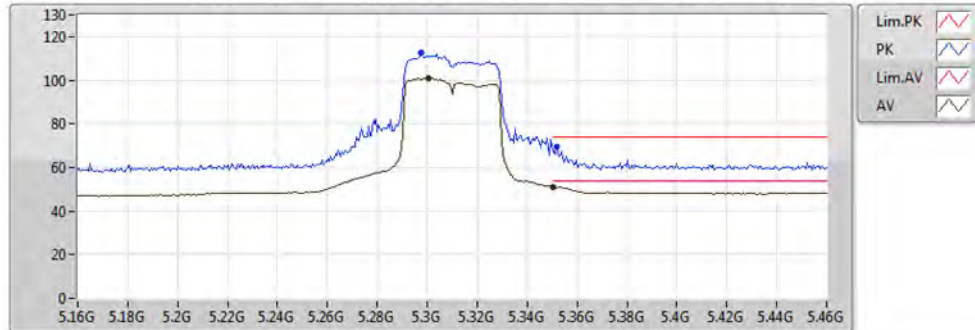
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.147G	47.71	54.00	-6.29	7.70	3	H	321	1.79	-
AV	5.274G	105.93	Inf	-Inf	7.93	3	H	321	1.79	-
AV	5.351G	52.31	54.00	-1.69	8.03	3	H	321	1.79	-
PK	5.107G	60.36	74.00	-13.64	7.61	3	H	321	1.79	-
PK	5.28G	116.91	Inf	-Inf	7.94	3	H	321	1.79	-
PK	5.351G	65.72	74.00	-8.28	8.03	3	H	321	1.79	-



Modulation Mode	802.11ac (VHT40) (BF) MCS0/Nss1 / UNII-2A	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5310		



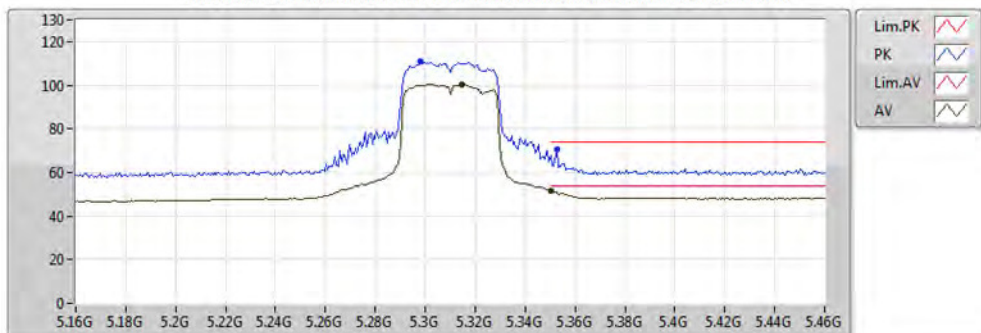
RE TX above 1GHz;Band:5.3G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5310MHz;TX



20161112
EUT_Y_4TX_TXBF
Setting 70 (71 pk over)
03-P-2-10

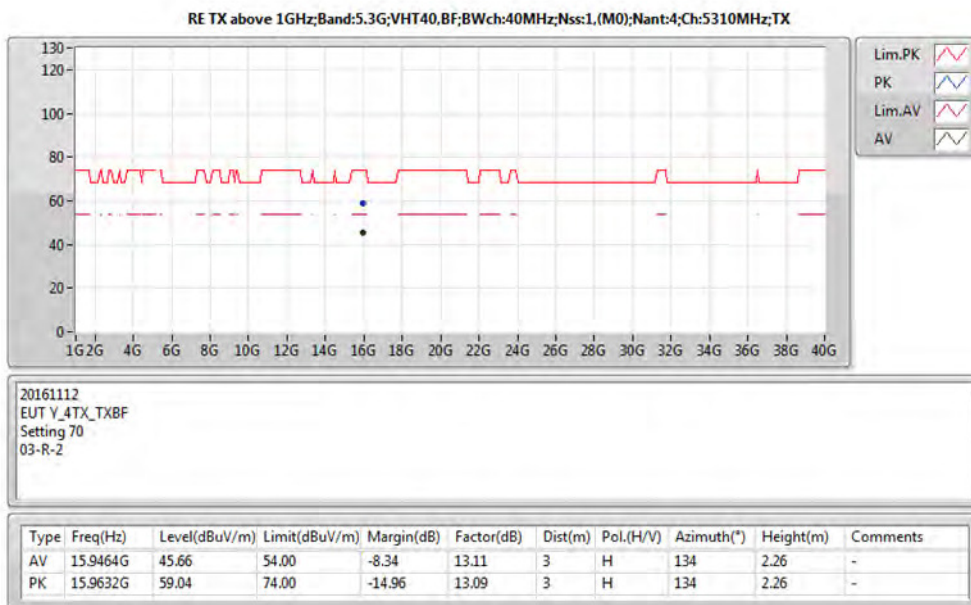
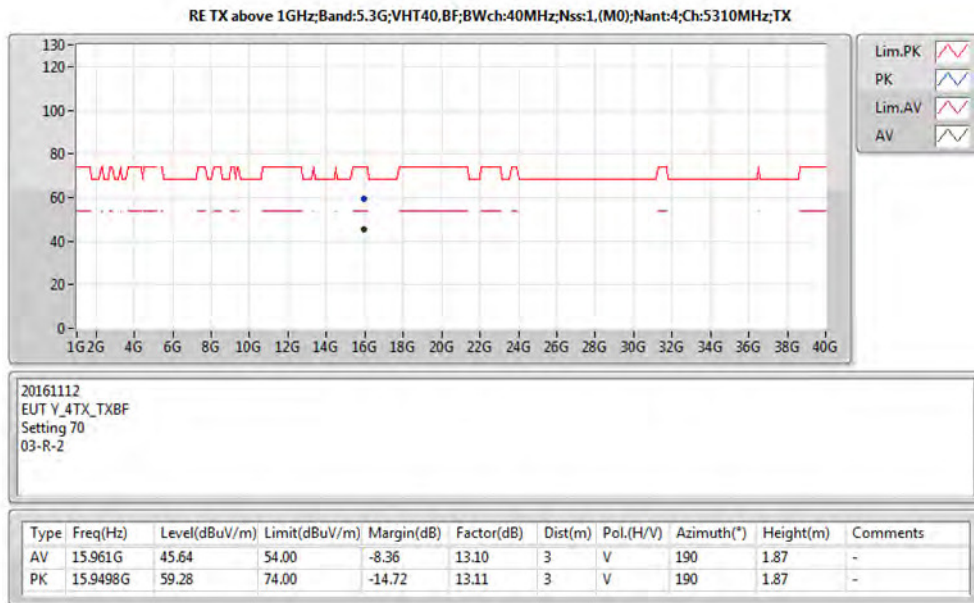
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3004G	101.01	Inf	-Inf	7.96	3	V	303	1.50	-
AV	5.3502G	51.07	54.00	-2.93	8.03	3	V	303	1.50	-
PK	5.2974G	112.72	Inf	-Inf	7.96	3	V	303	1.50	-
PK	5.352G	69.45	74.00	-4.55	8.03	3	V	303	1.50	-

RE TX above 1GHz;Band:5.3G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5310MHz;TX

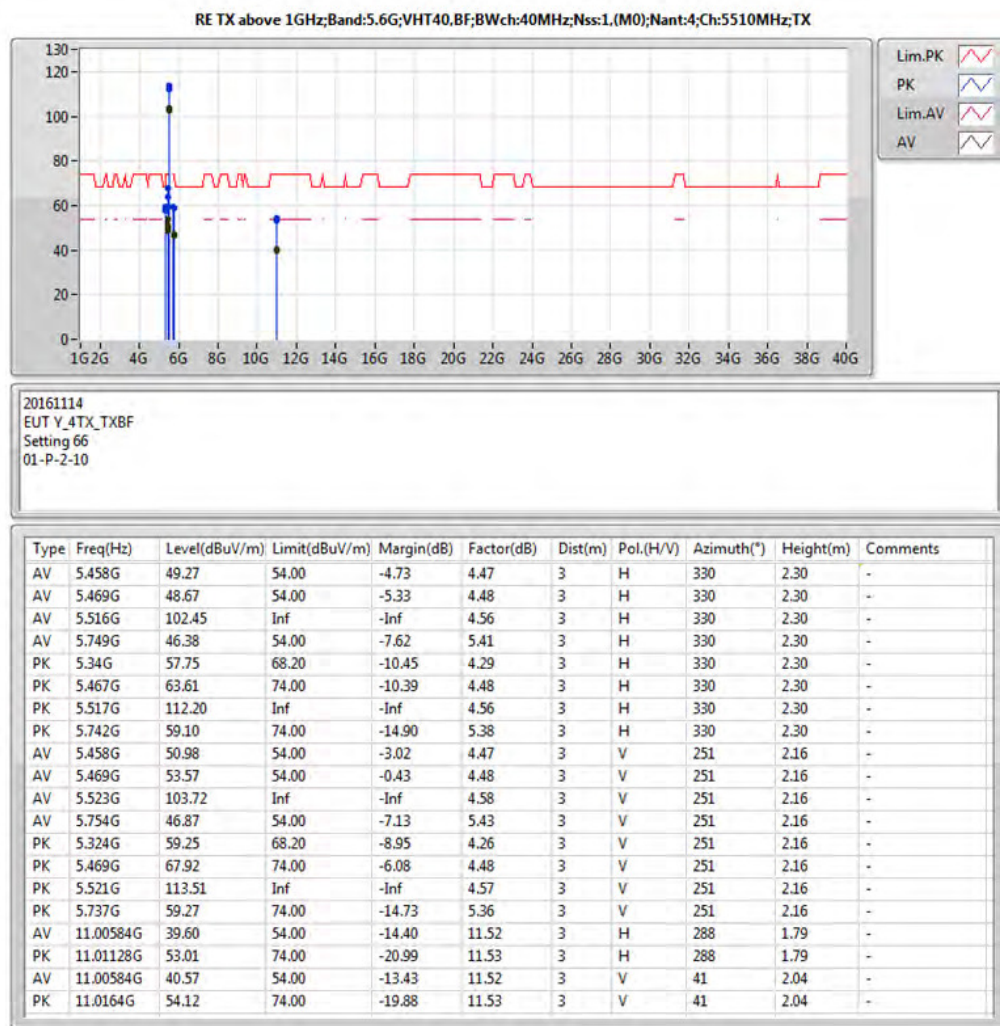


20161112
EUT_Y_4TX_TXBF
Setting 70
03-P-2-10

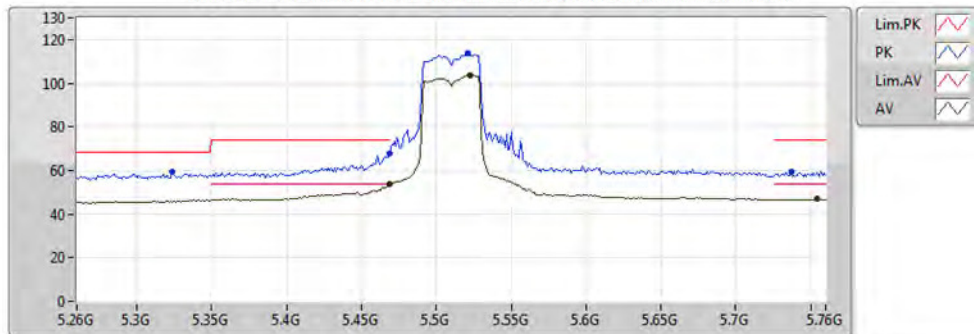
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3148G	100.34	Inf	-Inf	7.98	3	H	79	1.50	-
AV	5.3502G	51.42	54.00	-2.58	8.03	3	H	79	1.50	-
PK	5.298G	110.94	Inf	-Inf	7.96	3	H	79	1.50	-
PK	5.3526G	70.38	74.00	-3.62	8.03	3	H	79	1.50	-



Modulation Mode	802.11ac (VHT40) (BF) MCS0/Nss1 / UNII-2C	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5510		



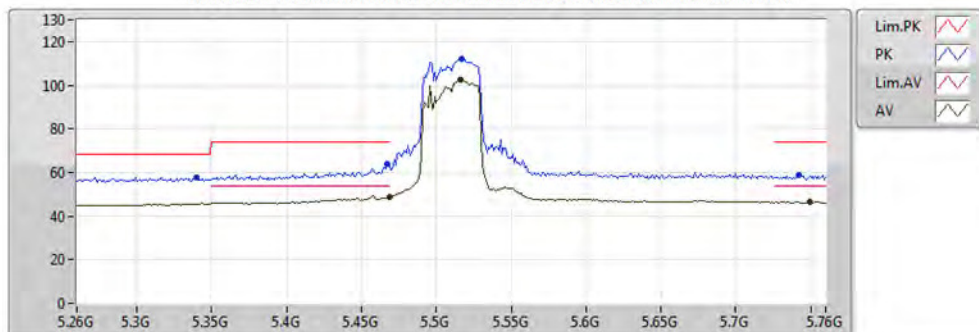
RE TX above 1GHz;Band:5.6G;VHT40,BF;BWch:40MHz;Nss:1.(M0);Nant:4;Ch:5510MHz;TX



20161114
EUT_Y_4TX_TXBF
Setting 66
01-P-2-10

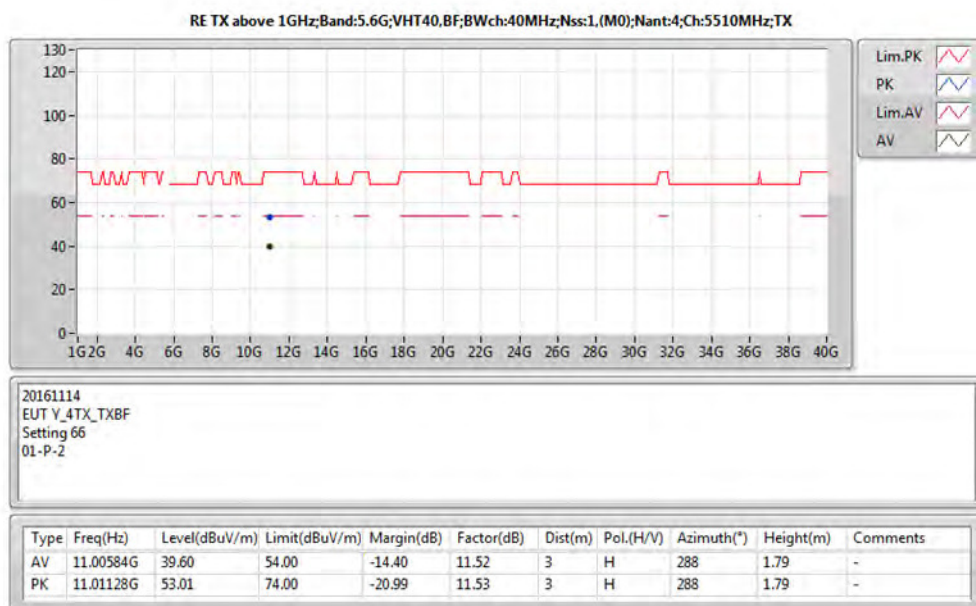
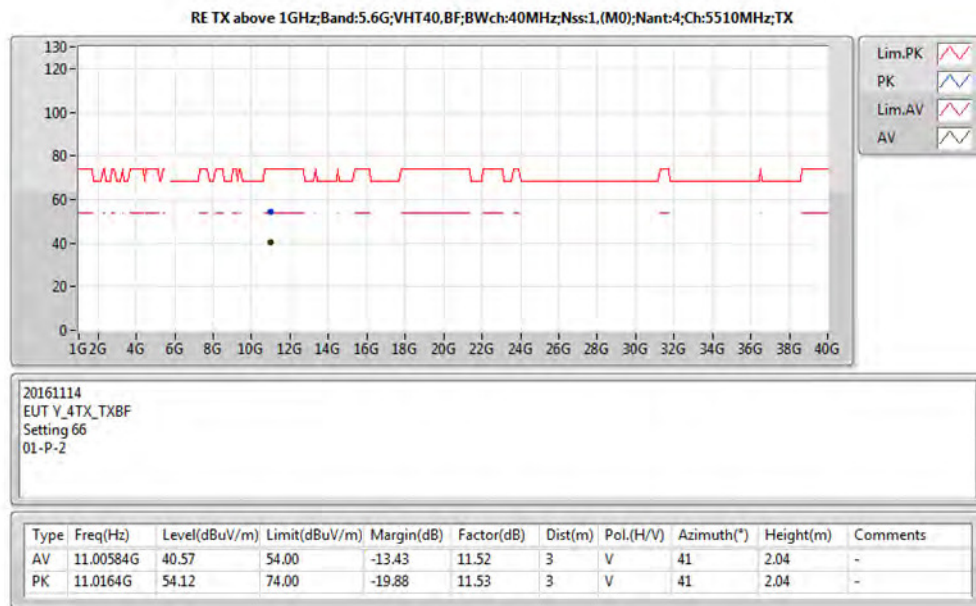
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.469G	53.57	54.00	-0.43	4.48	3	V	251	2.16	-
AV	5.523G	103.72	Inf	-Inf	4.58	3	V	251	2.16	-
AV	5.754G	46.87	54.00	-7.13	5.43	3	V	251	2.16	-
PK	5.324G	59.25	68.20	-8.95	4.26	3	V	251	2.16	-
PK	5.469G	67.92	74.00	-6.08	4.48	3	V	251	2.16	-
PK	5.521G	113.51	Inf	-Inf	4.57	3	V	251	2.16	-
PK	5.737G	59.27	74.00	-14.73	5.36	3	V	251	2.16	-

RE TX above 1GHz;Band:5.6G;VHT40,BF;BWch:40MHz;Nss:1.(M0);Nant:4;Ch:5510MHz;TX

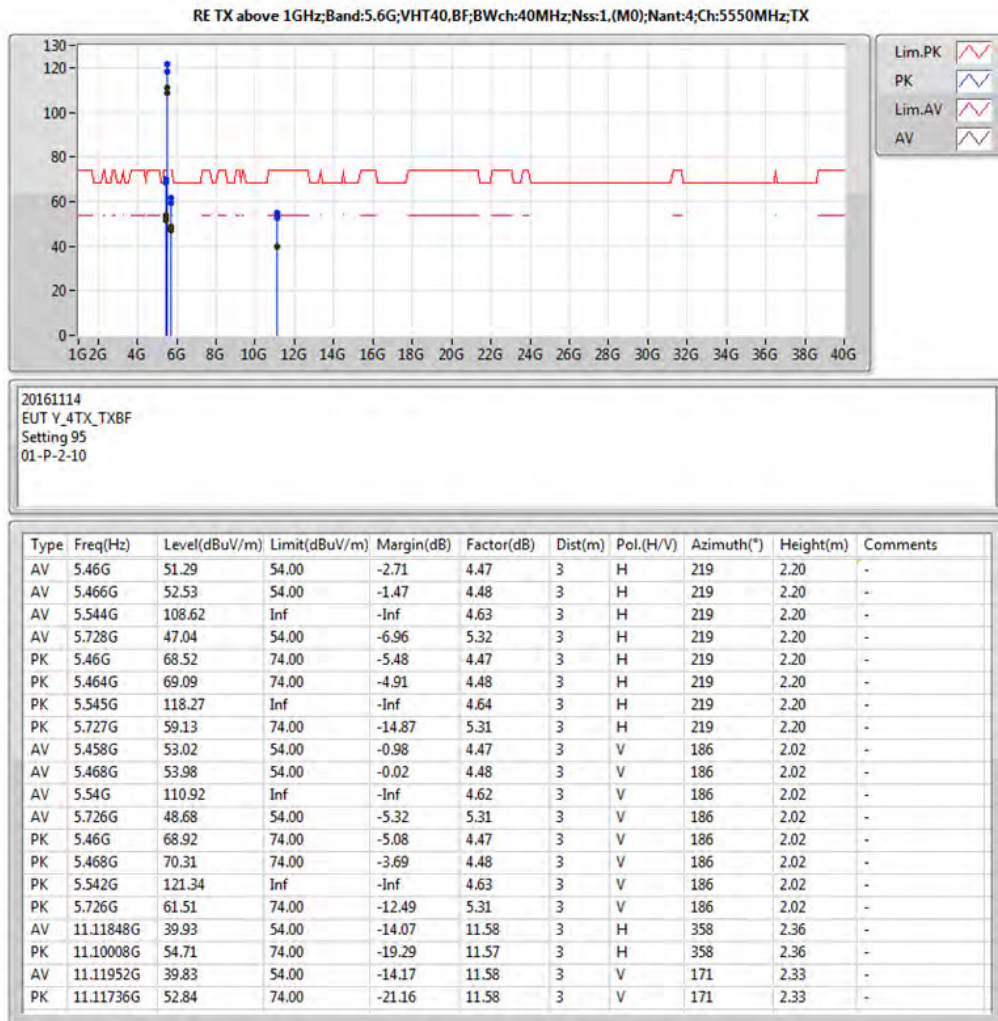


20161114
EUT_Y_4TX_TXBF
Setting 66
01-P-2-10

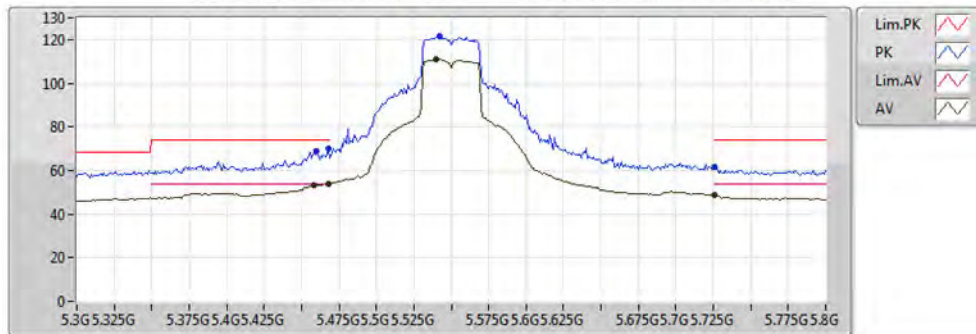
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.469G	48.67	54.00	-5.33	4.48	3	H	330	2.30	-
AV	5.516G	102.45	Inf	-Inf	4.56	3	H	330	2.30	-
AV	5.749G	46.38	54.00	-7.62	5.41	3	H	330	2.30	-
PK	5.34G	57.75	68.20	-10.45	4.29	3	H	330	2.30	-
PK	5.467G	63.61	74.00	-10.39	4.48	3	H	330	2.30	-
PK	5.517G	112.20	Inf	-Inf	4.56	3	H	330	2.30	-
PK	5.742G	59.10	74.00	-14.90	5.38	3	H	330	2.30	-



Modulation Mode	802.11ac (VHT40) (BF) MCS0/Nss1 / UNII-2C	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5550		



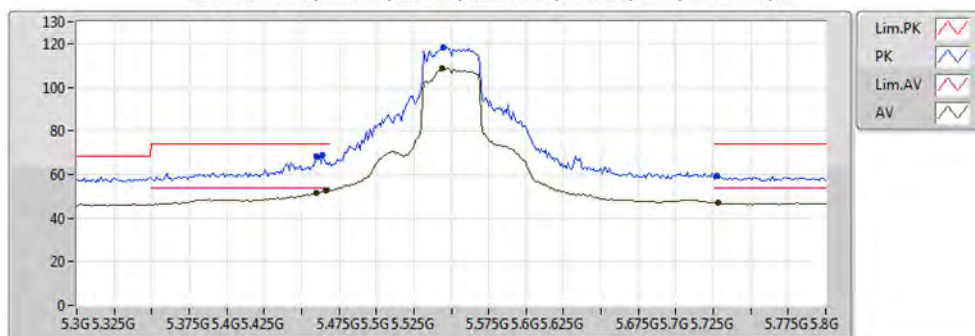
RE TX above 1GHz;Band:5.6G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5550MHz;TX



20161114
EUT_Y_4TX_TXBF
Setting 95
01-P-2-10

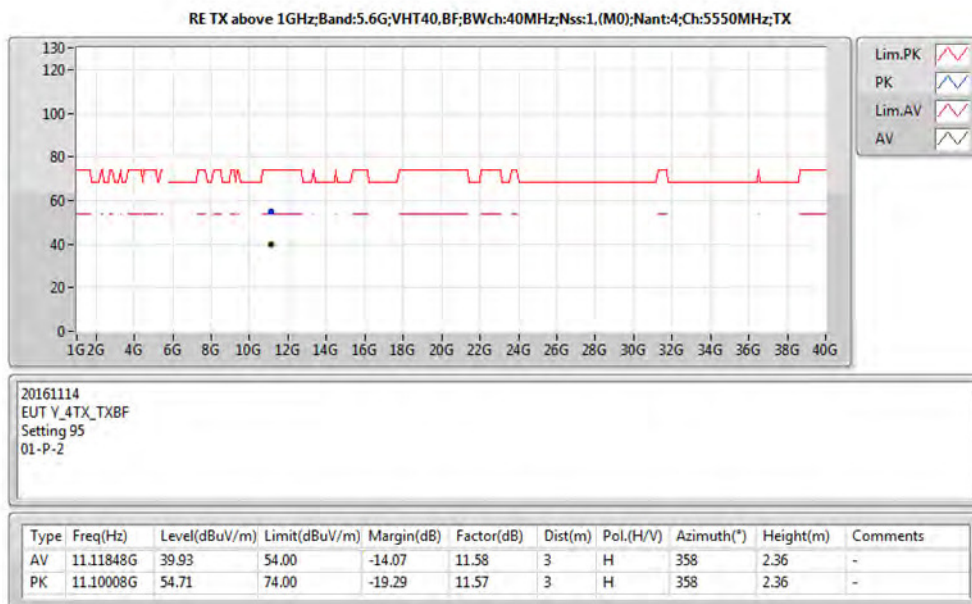
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.458G	53.02	54.00	-0.98	4.47	3	V	186	2.02	-
AV	5.468G	53.98	54.00	-0.02	4.48	3	V	186	2.02	-
AV	5.54G	110.92	Inf	-Inf	4.62	3	V	186	2.02	-
AV	5.726G	48.68	54.00	-5.32	5.31	3	V	186	2.02	-
PK	5.46G	68.92	74.00	-5.08	4.47	3	V	186	2.02	-
PK	5.468G	70.31	74.00	-3.69	4.48	3	V	186	2.02	-
PK	5.542G	121.34	Inf	-Inf	4.63	3	V	186	2.02	-
PK	5.726G	61.51	74.00	-12.49	5.31	3	V	186	2.02	-

RE TX above 1GHz;Band:5.6G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5550MHz;TX

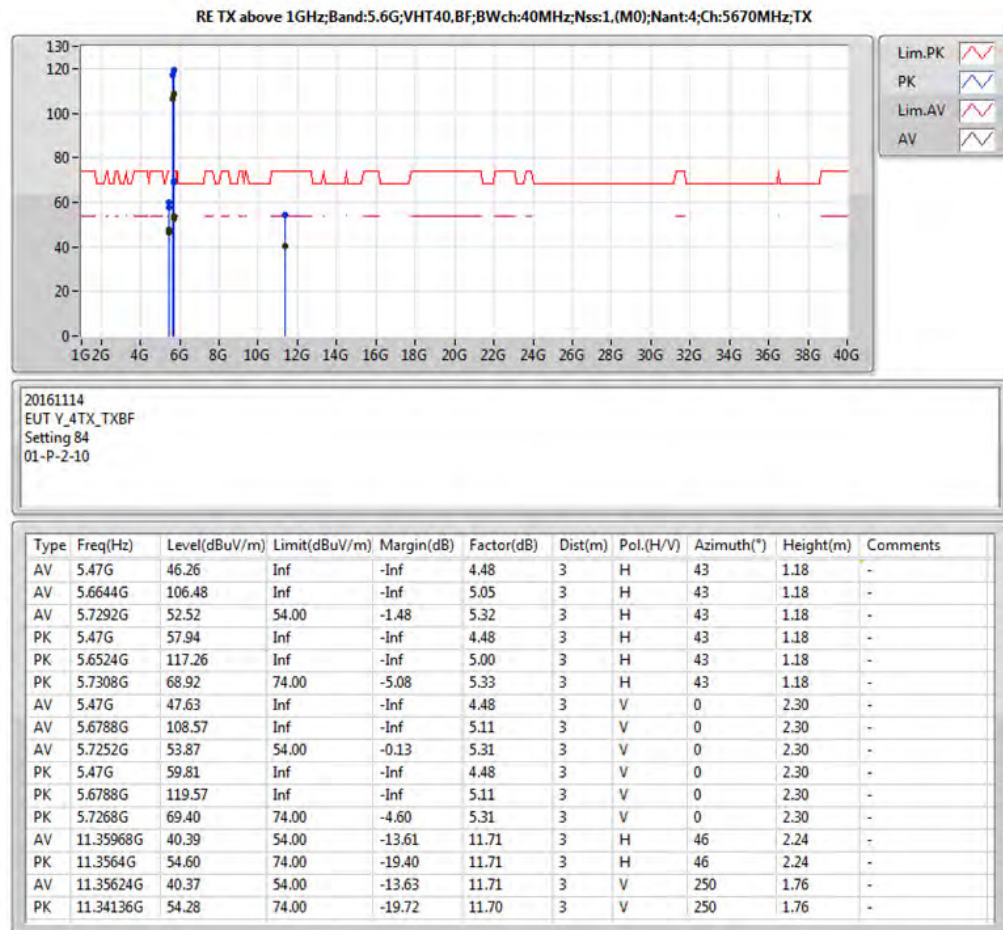


20161114
EUT_Y_4TX_TXBF
Setting 95
01-P-2-10

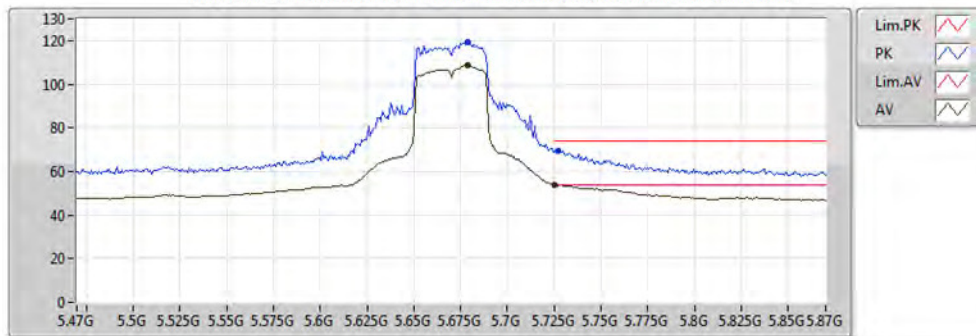
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	51.29	54.00	-2.71	4.47	3	H	219	2.20	-
AV	5.466G	52.53	54.00	-1.47	4.48	3	H	219	2.20	-
AV	5.544G	108.62	Inf	-Inf	4.63	3	H	219	2.20	-
AV	5.728G	47.04	54.00	-6.96	5.32	3	H	219	2.20	-
PK	5.46G	68.52	74.00	-5.48	4.47	3	H	219	2.20	-
PK	5.464G	69.09	74.00	-4.91	4.48	3	H	219	2.20	-
PK	5.545G	118.27	Inf	-Inf	4.64	3	H	219	2.20	-
PK	5.727G	59.13	74.00	-14.87	5.31	3	H	219	2.20	-



Modulation Mode	802.11ac (VHT40) (BF) MCS0/Nss1 / UNII-2C	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5670		



RE TX above 1GHz;Band:5.6G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5670MHz;TX



20161114
EUT_Y_4TX_TXBF
Setting 84
01-P-2-10

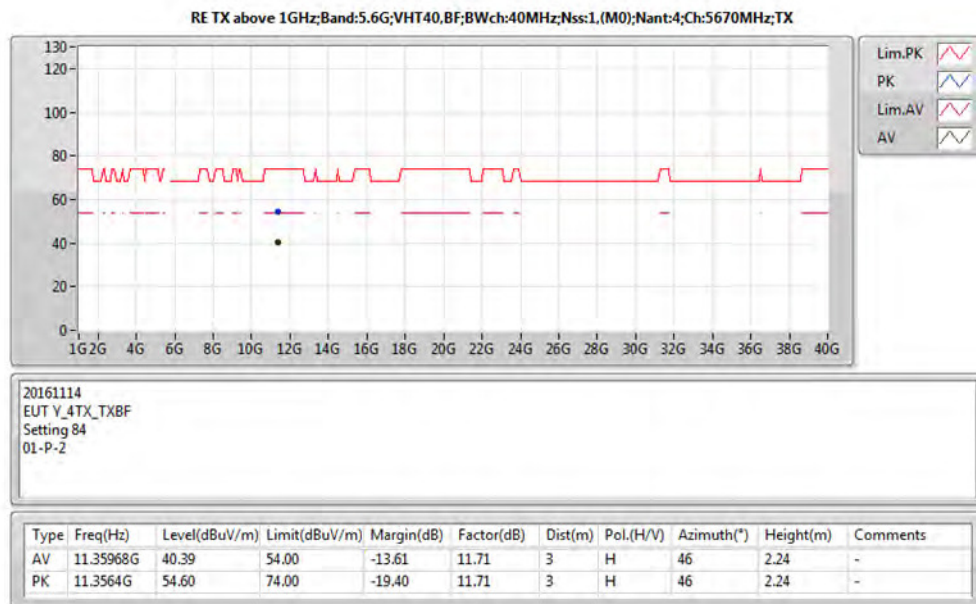
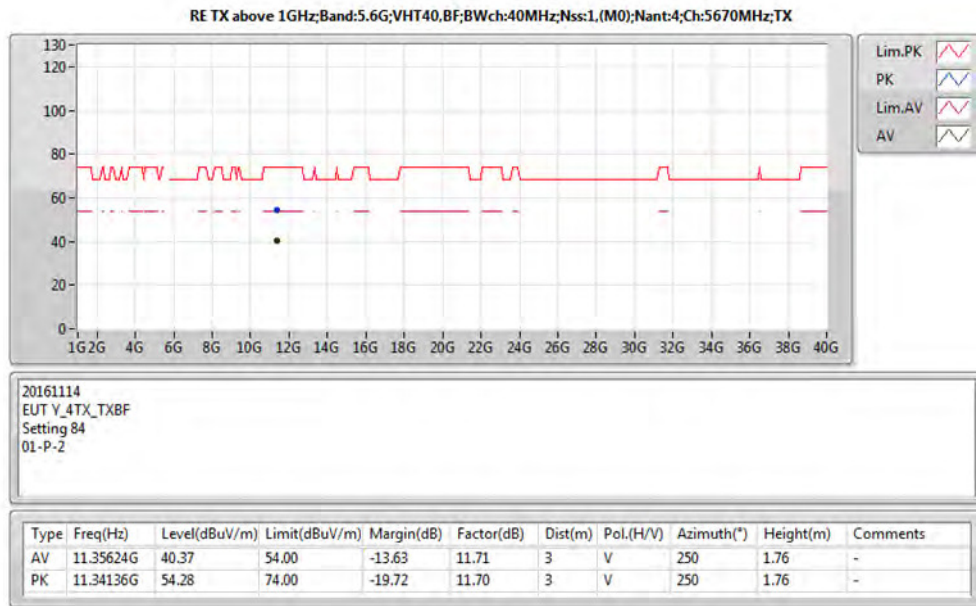
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6788G	108.57	Inf	-Inf	5.11	3	V	0	2.30	-
AV	5.7252G	53.87	54.00	-0.13	5.31	3	V	0	2.30	-
PK	5.6788G	119.57	Inf	-Inf	5.11	3	V	0	2.30	-
PK	5.7268G	69.40	74.00	-4.60	5.31	3	V	0	2.30	-

RE TX above 1GHz;Band:5.6G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5670MHz;TX

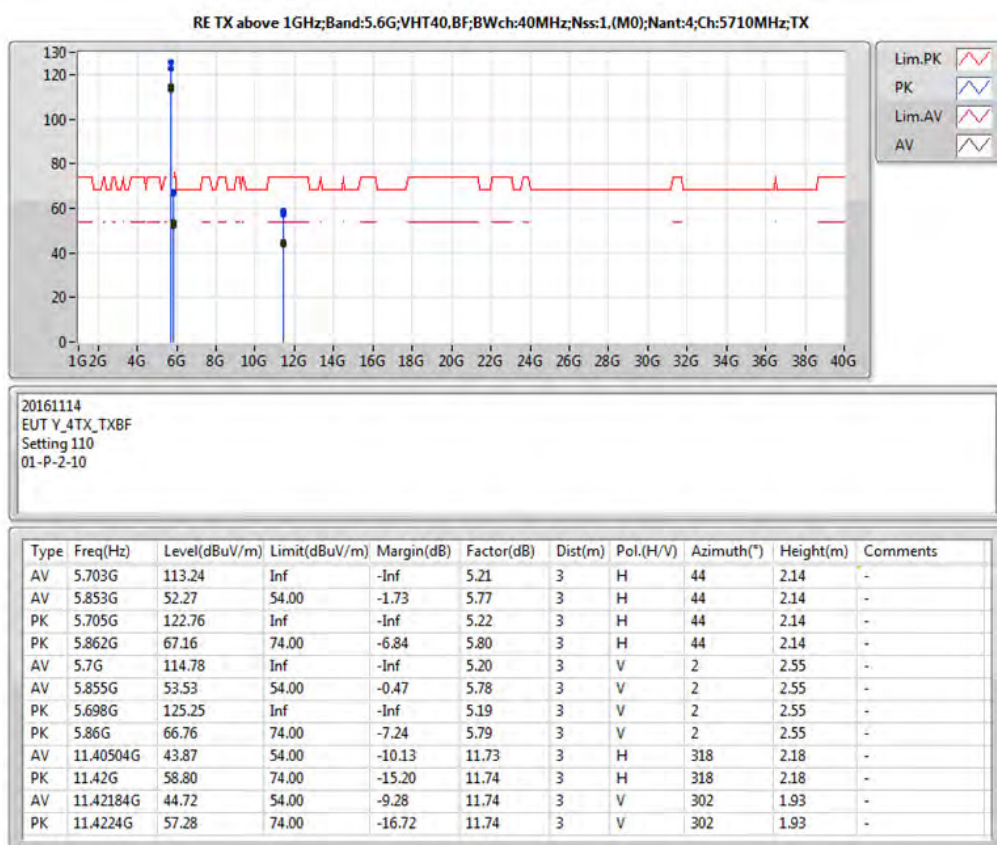


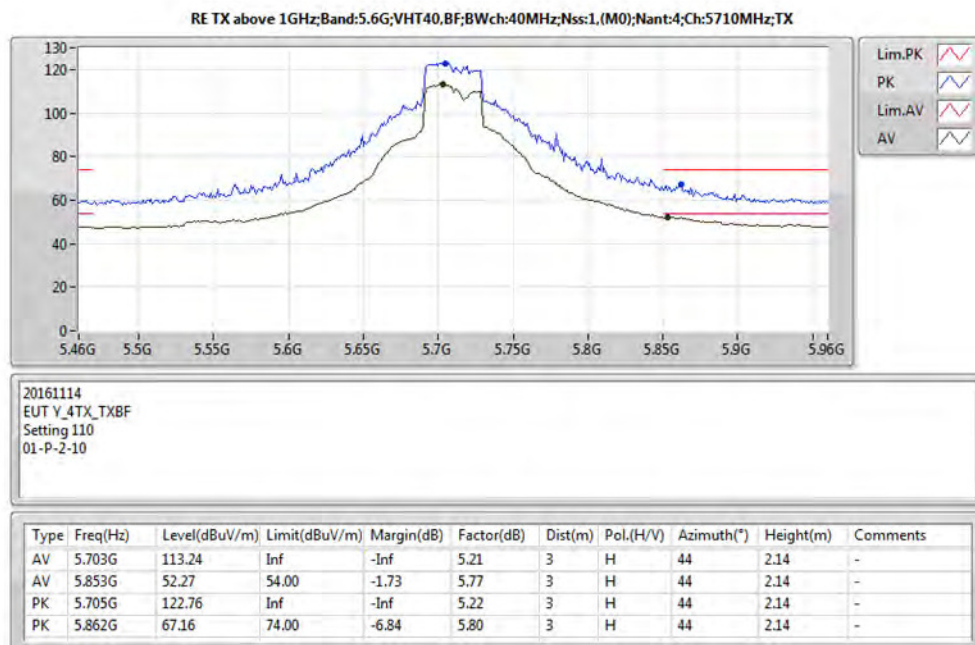
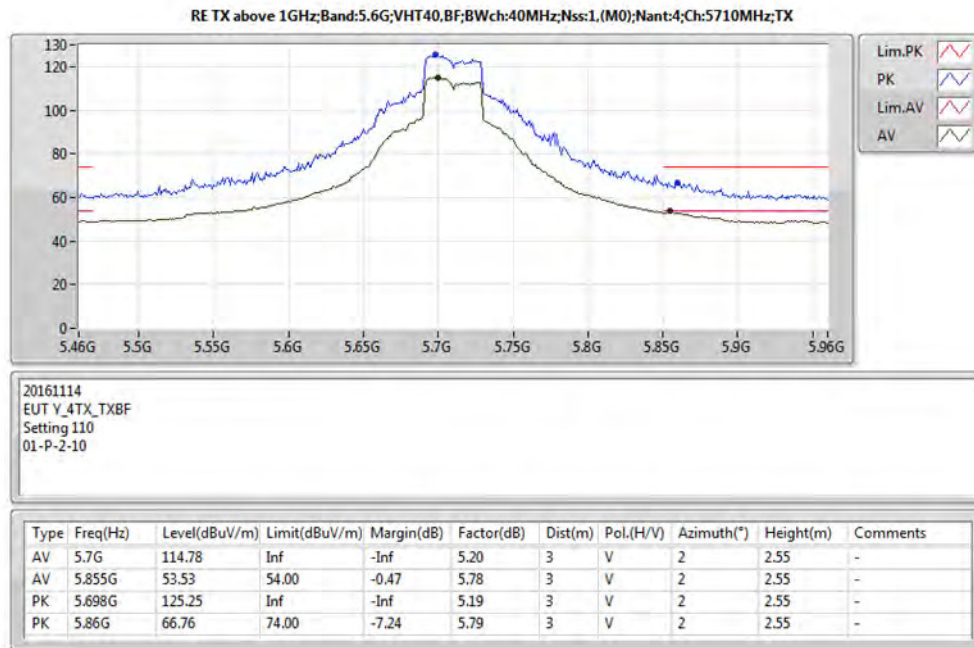
20161114
EUT_Y_4TX_TXBF
Setting 84
01-P-2-10

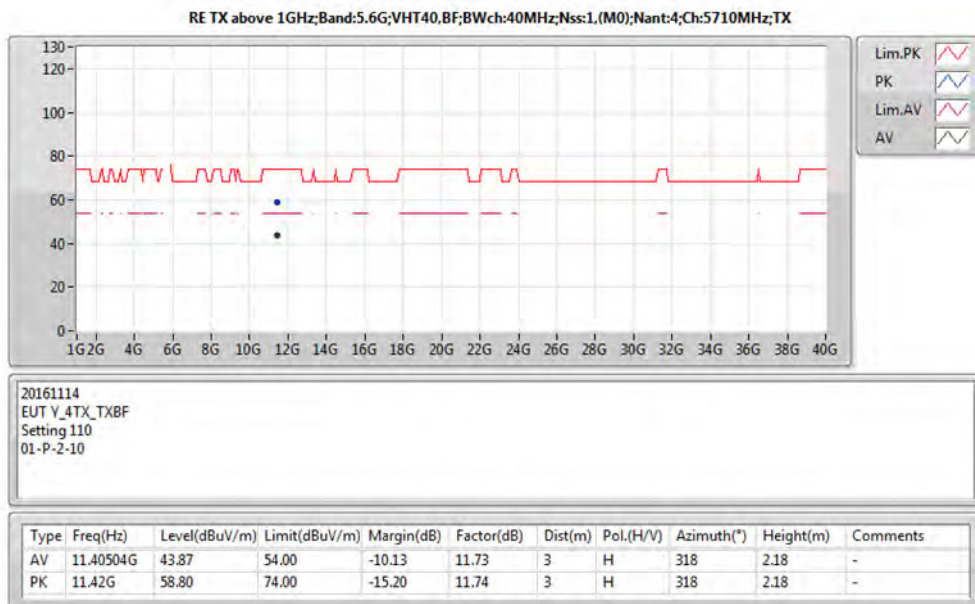
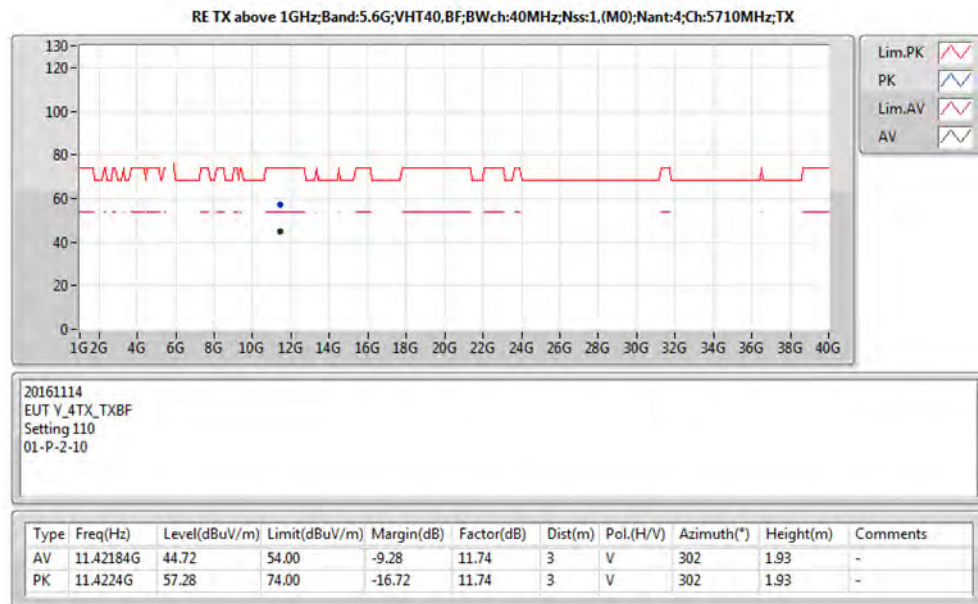
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6644G	106.48	Inf	-Inf	5.05	3	H	43	1.18	-
AV	5.7292G	52.52	54.00	-1.48	5.32	3	H	43	1.18	-
PK	5.6524G	117.26	Inf	-Inf	5.00	3	H	43	1.18	-
PK	5.7308G	68.92	74.00	-5.08	5.33	3	H	43	1.18	-



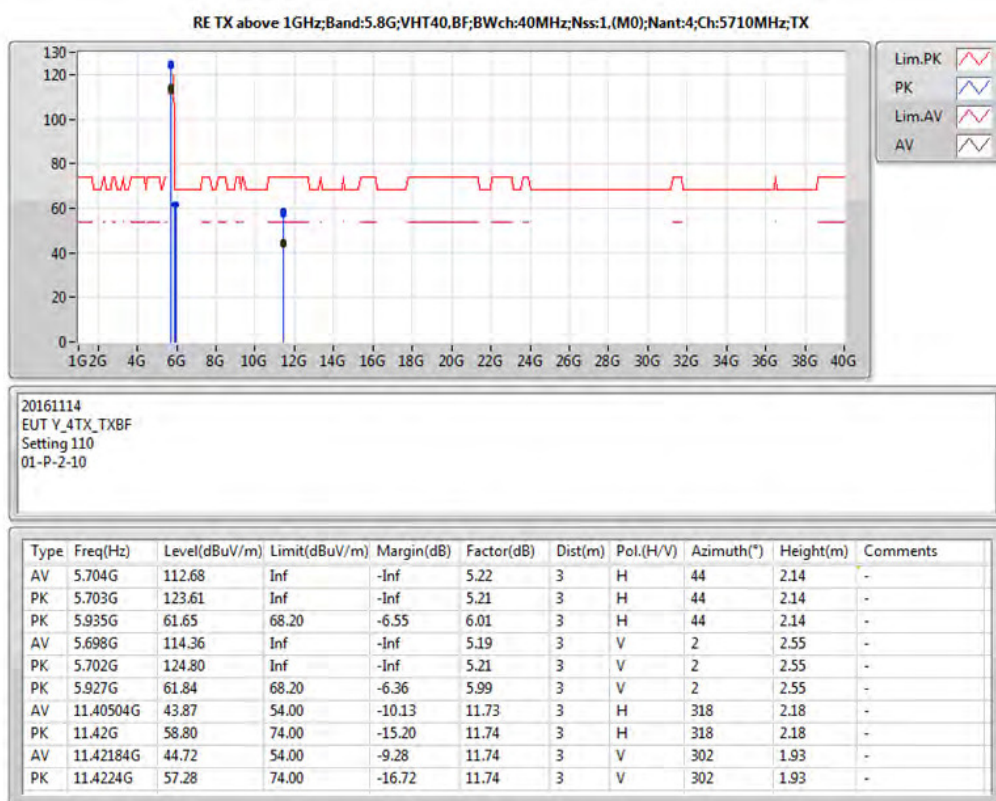
Modulation Mode	802.11ac (VHT40) (BF) MCS0/Nss1 / UNII-2C	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5710		

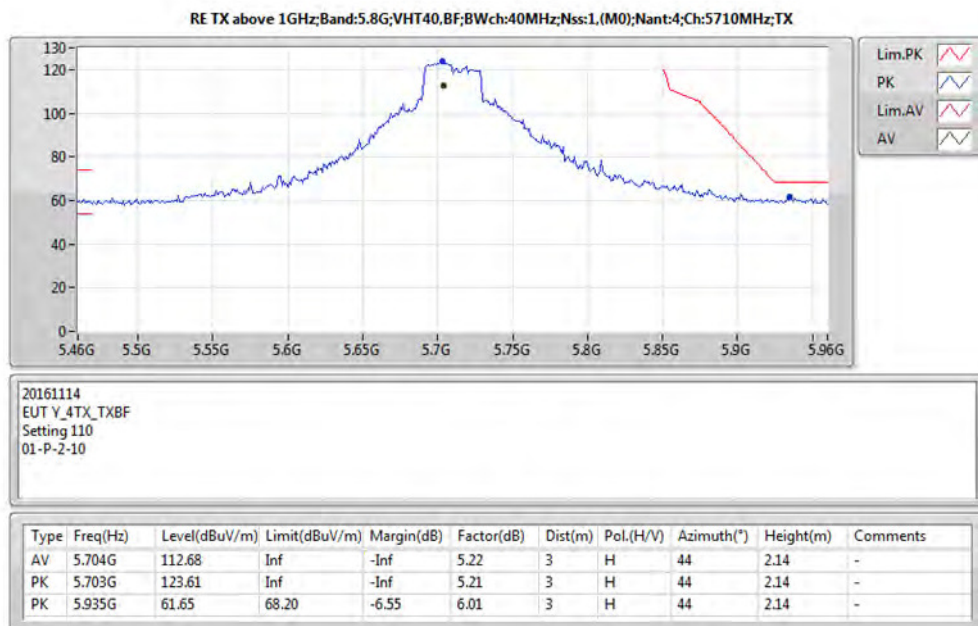
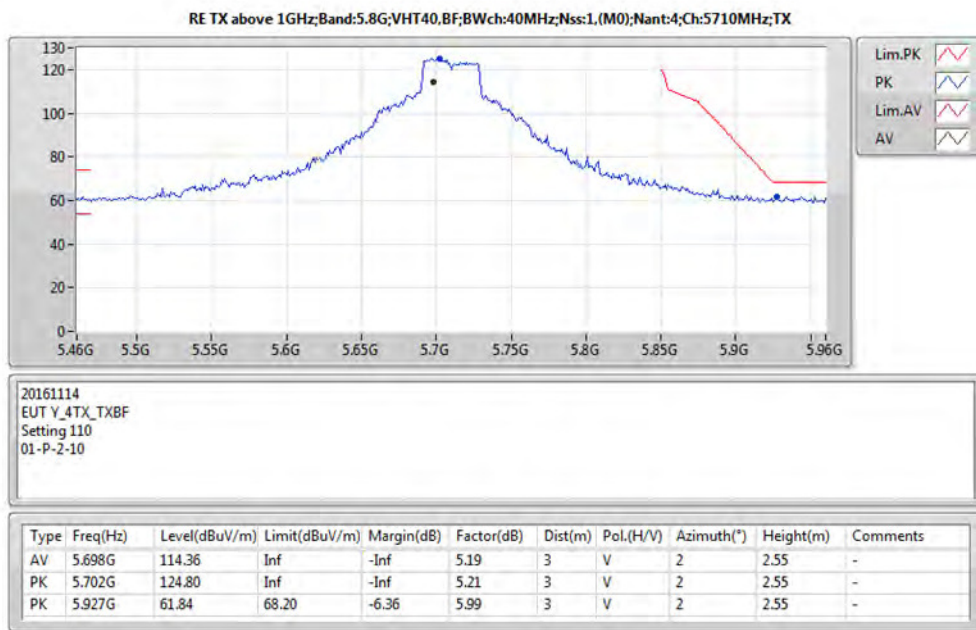


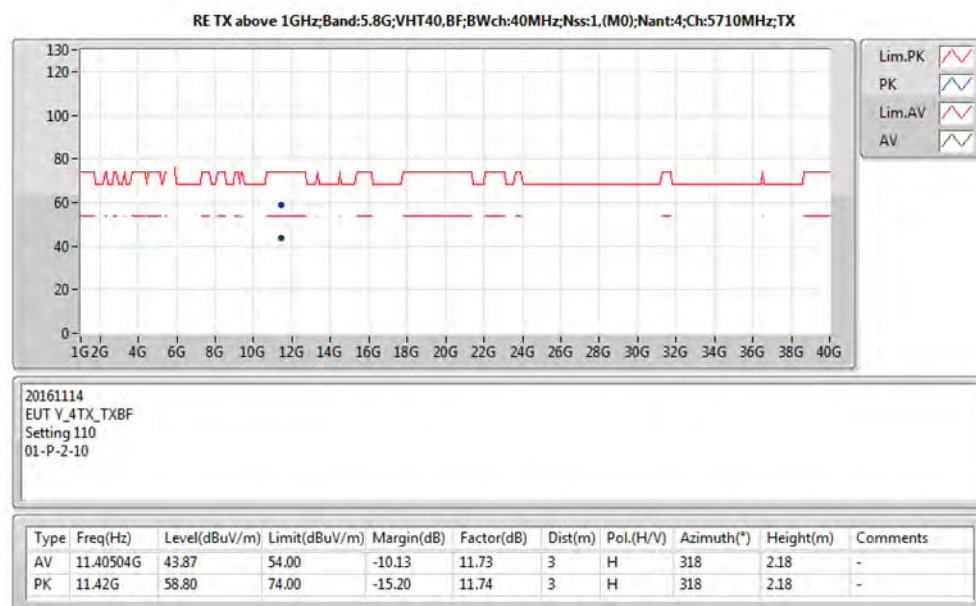
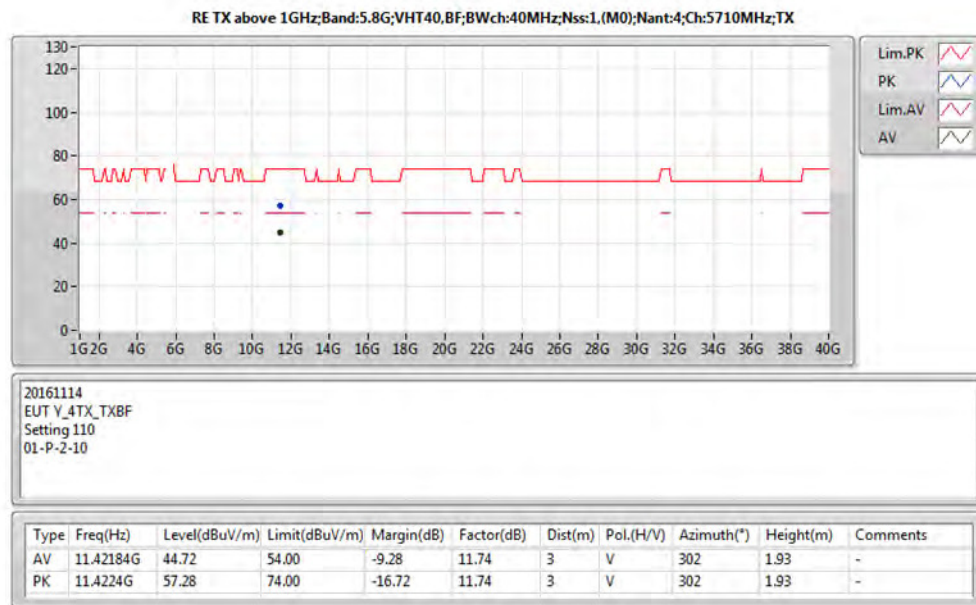




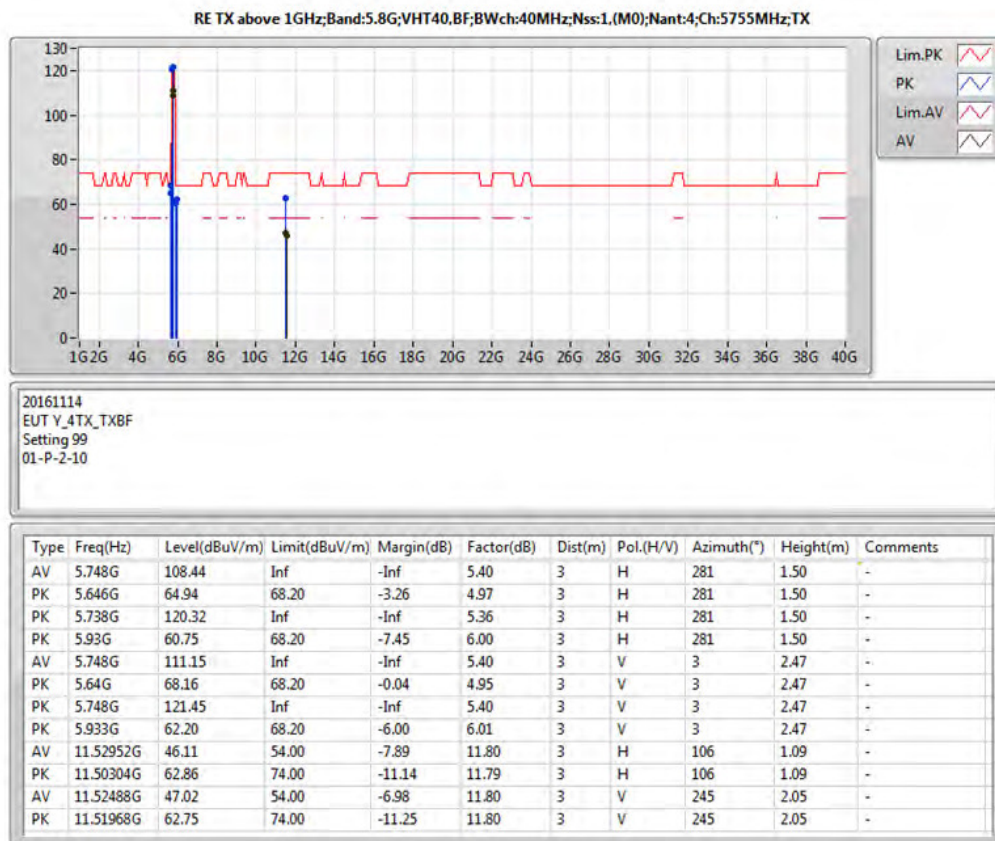
Modulation Mode	802.11ac (VHT40) (BF) MCS0/Nss1 / UNII-3	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5710		



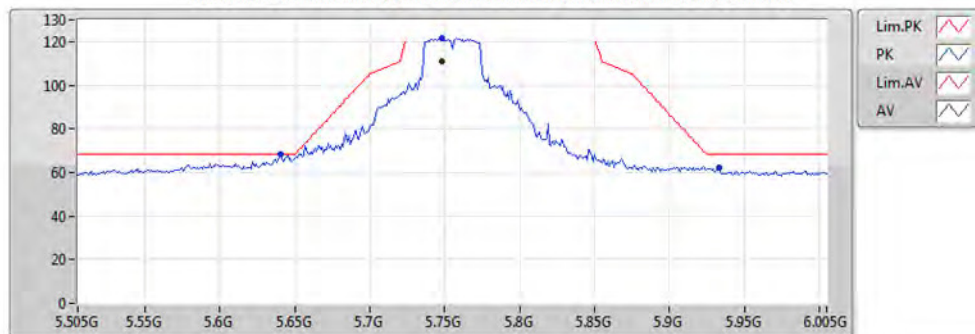




Modulation Mode	802.11ac (VHT40) (BF) MCS0/Nss1 / UNII-3	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5755		



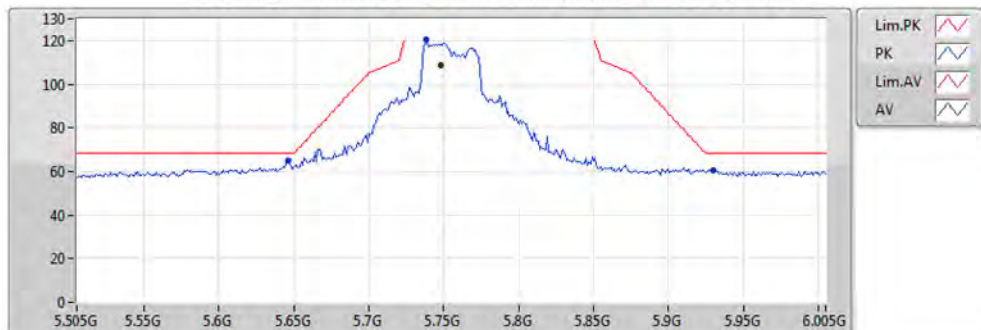
RE TX above 1GHz;Band:5.8G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5755MHz;TX



20161114
EUT_Y_4TX_TXBF
Setting 99
01-P-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.748G	111.15	Inf	-Inf	5.40	3	V	3	2.47	-
PK	5.64G	68.16	68.20	-0.04	4.95	3	V	3	2.47	-
PK	5.748G	121.45	Inf	-Inf	5.40	3	V	3	2.47	-
PK	5.933G	62.20	68.20	-6.00	6.01	3	V	3	2.47	-

RE TX above 1GHz;Band:5.8G;VHT40,BF;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5755MHz;TX

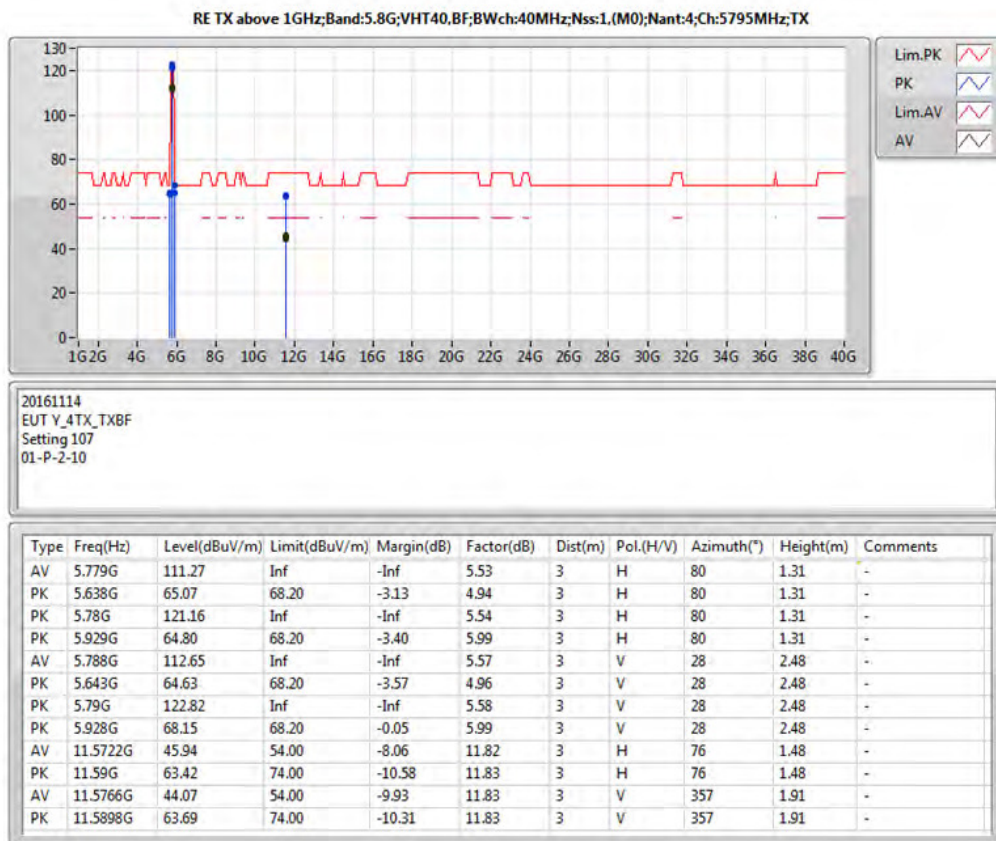


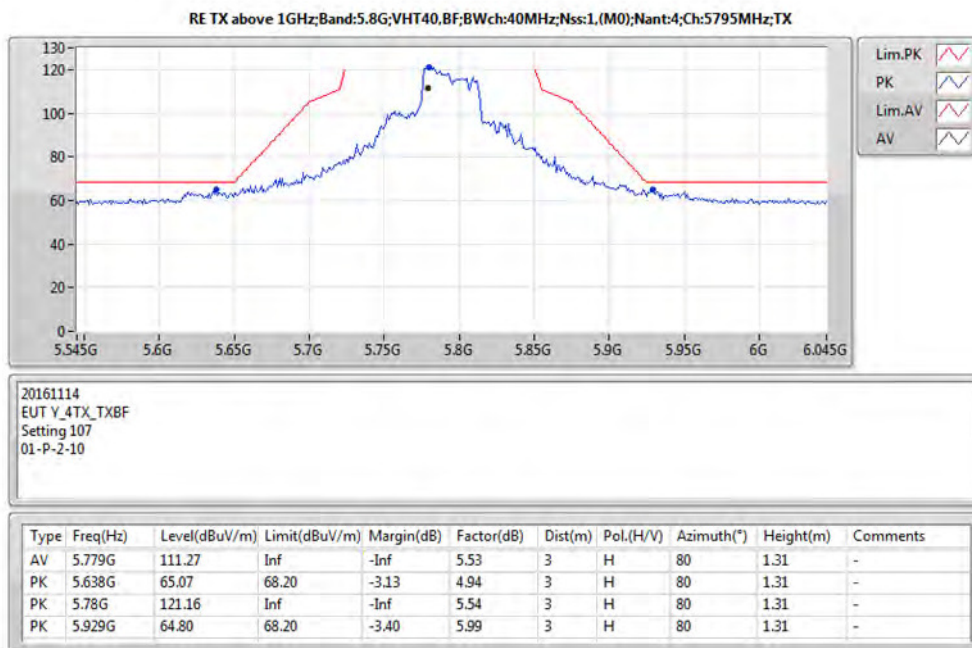
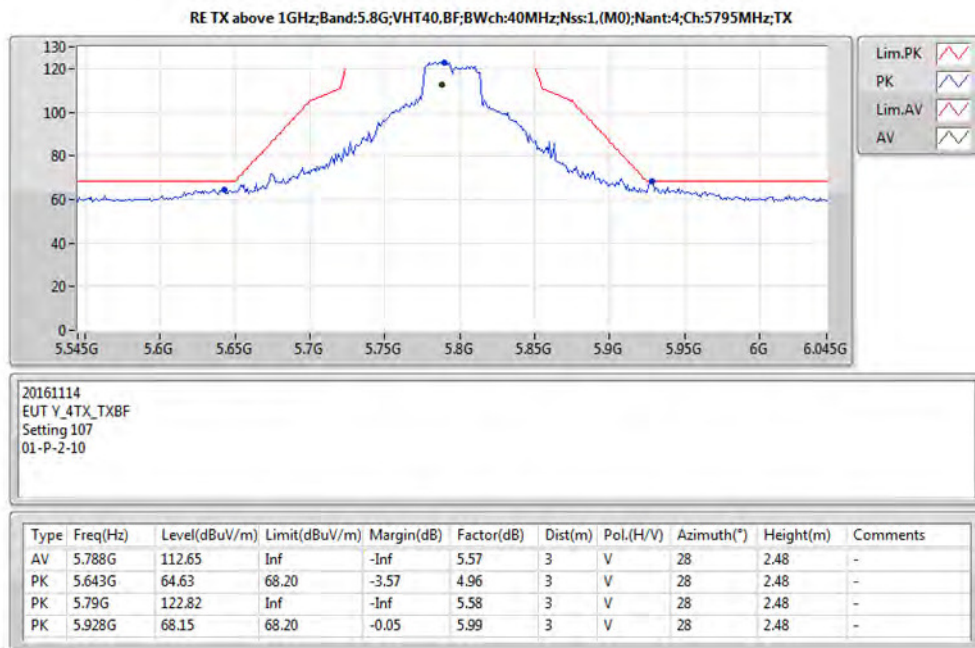
20161114
EUT_Y_4TX_TXBF
Setting 99
01-P-2-10

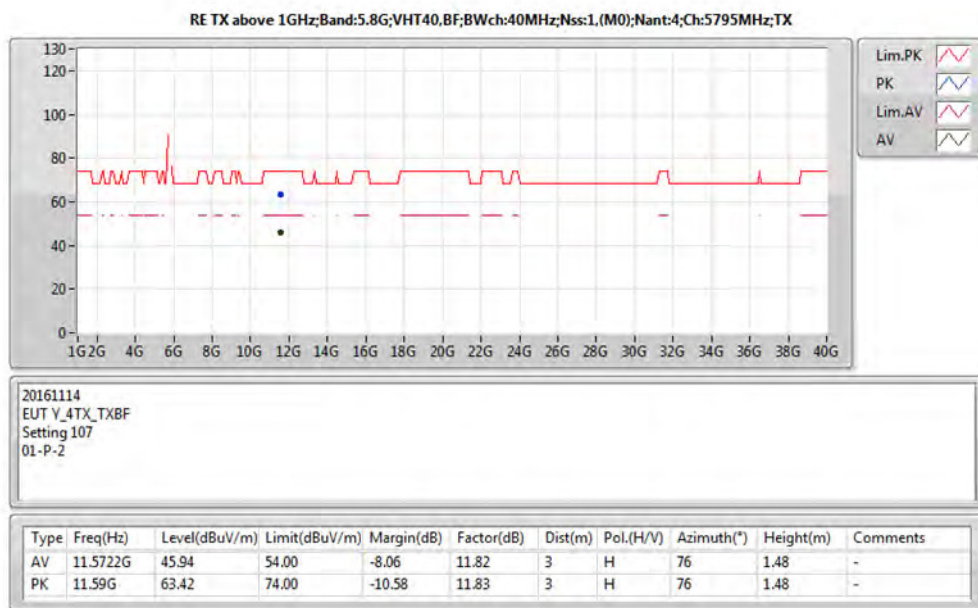
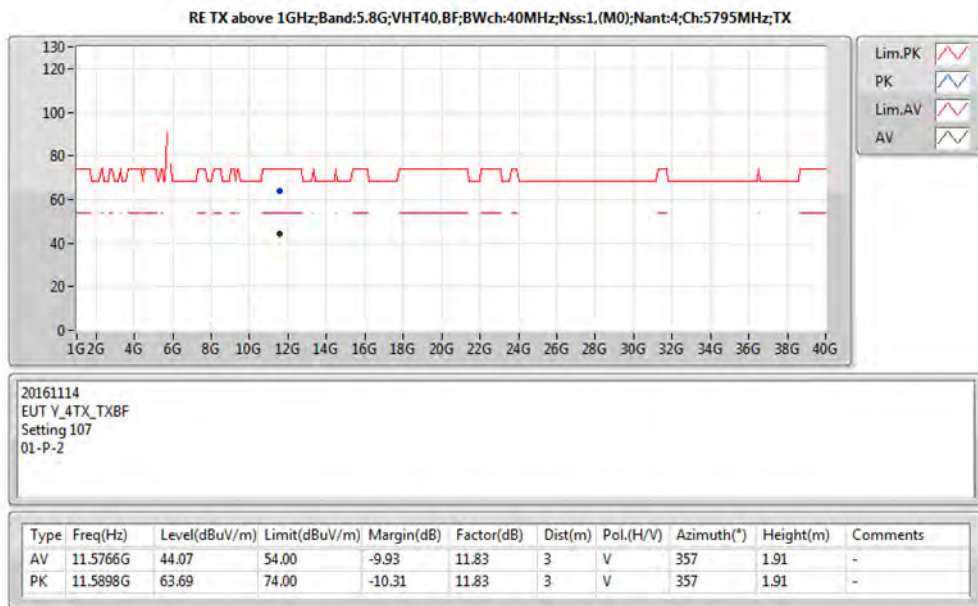
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.748G	108.44	Inf	-Inf	5.40	3	H	281	1.50	-
PK	5.646G	64.94	68.20	-3.26	4.97	3	H	281	1.50	-
PK	5.738G	120.32	Inf	-Inf	5.36	3	H	281	1.50	-
PK	5.93G	60.75	68.20	-7.45	6.00	3	H	281	1.50	-



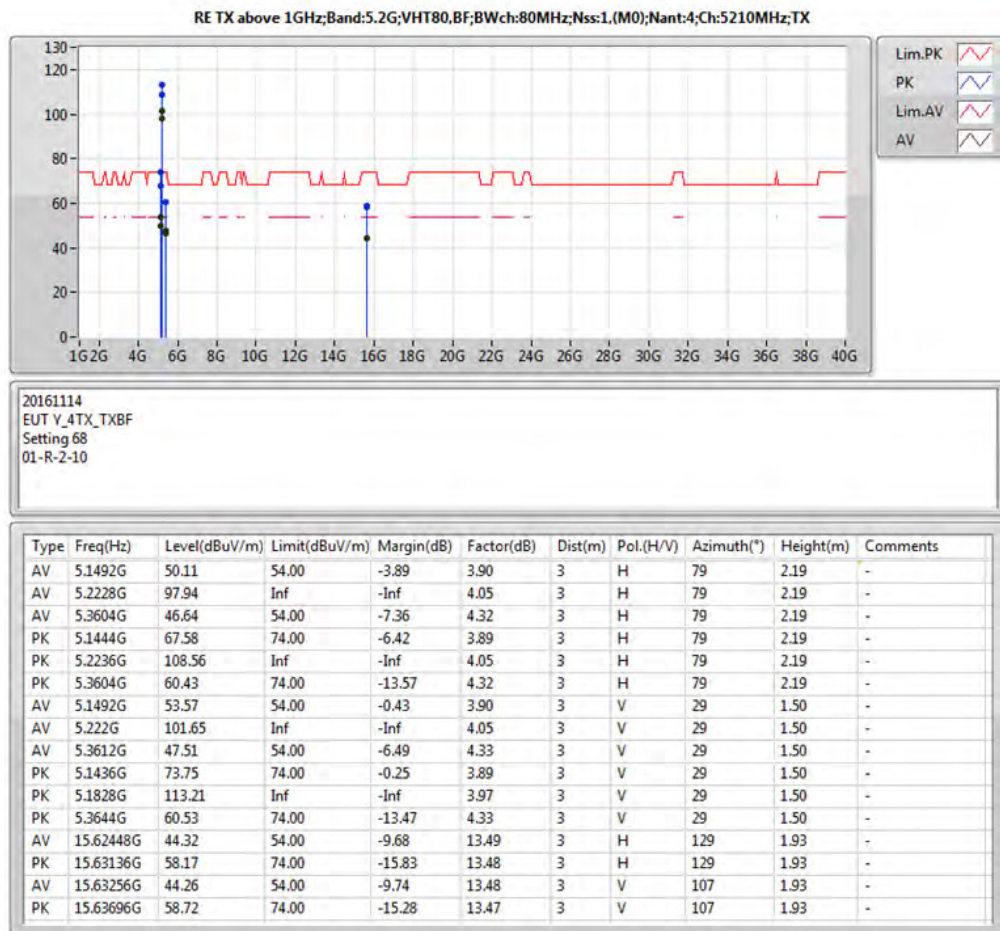
Modulation Mode	802.11ac (VHT40) (BF) MCS0/Nss1 / UNII-3	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5795		

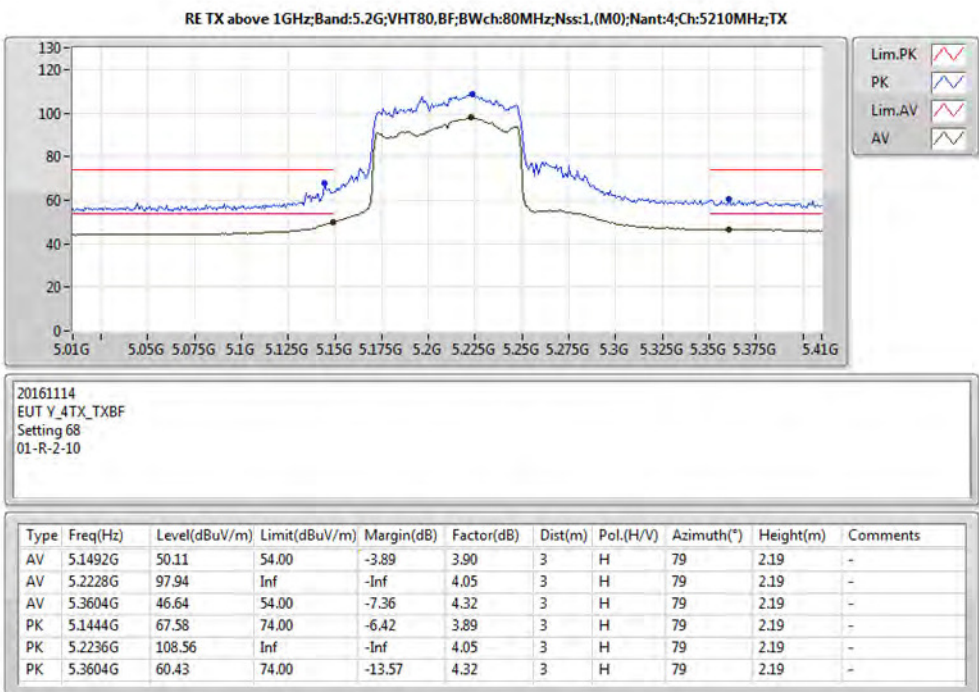
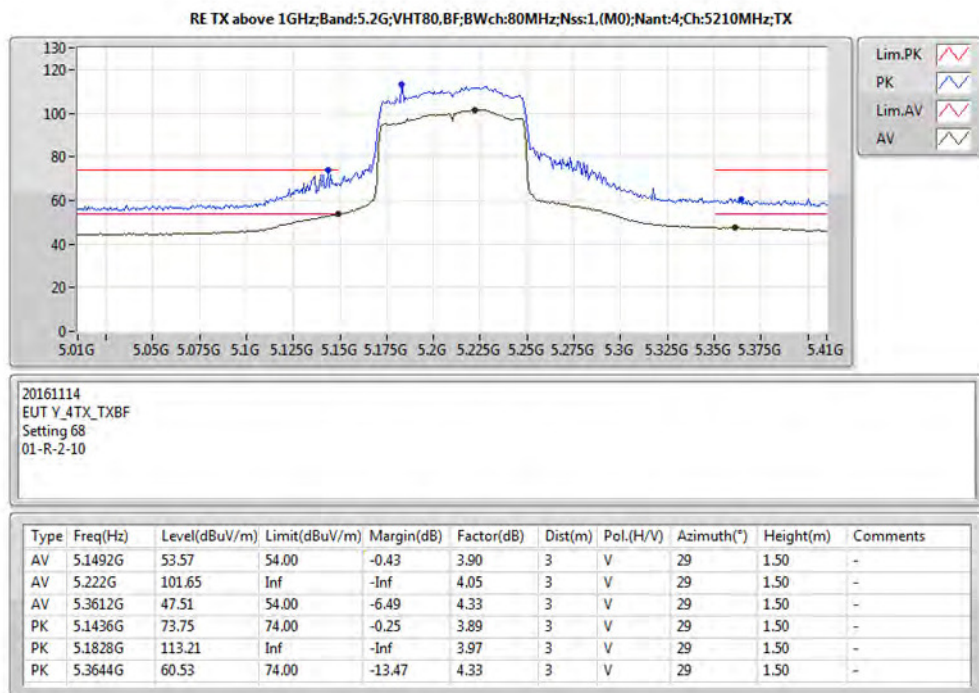


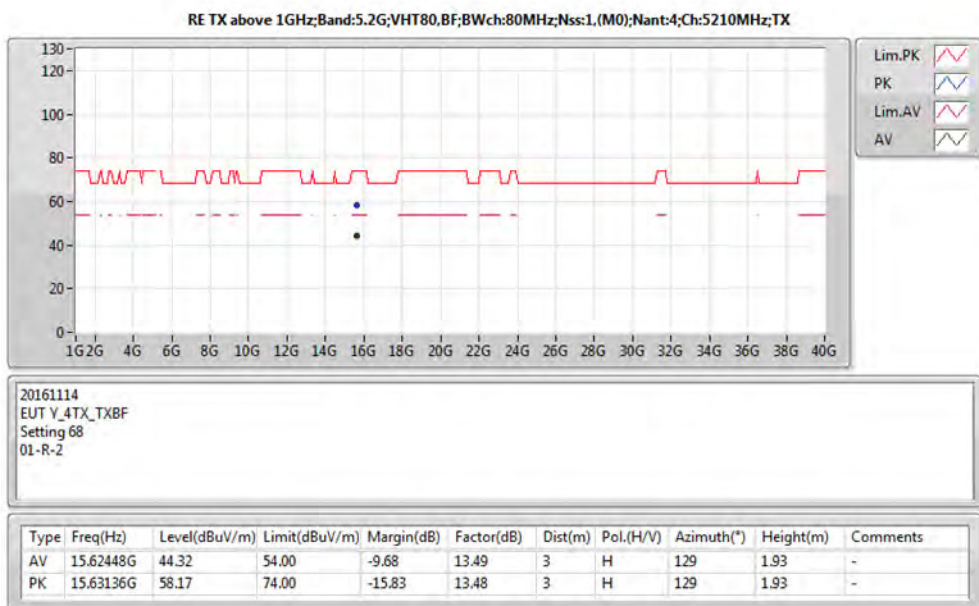
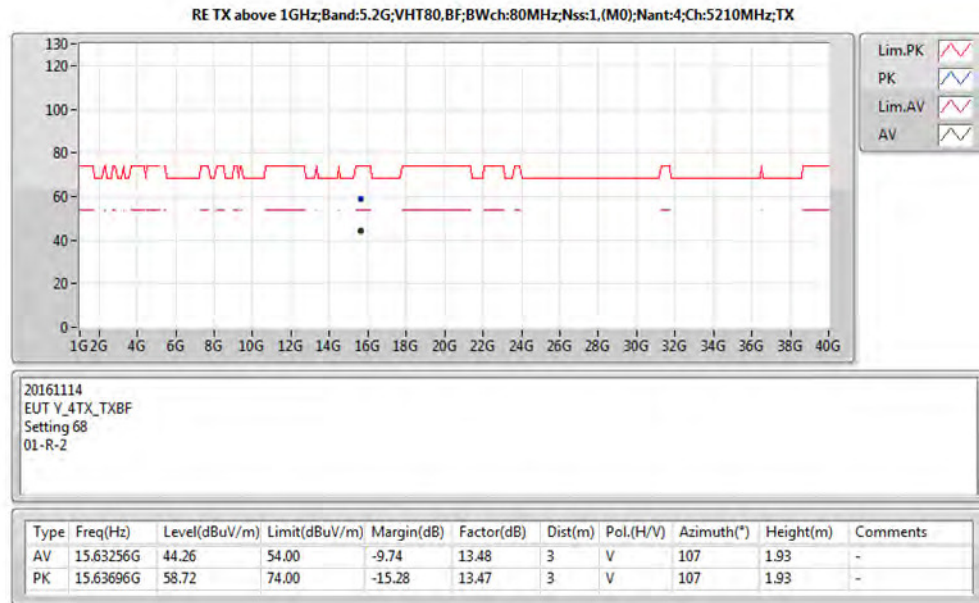




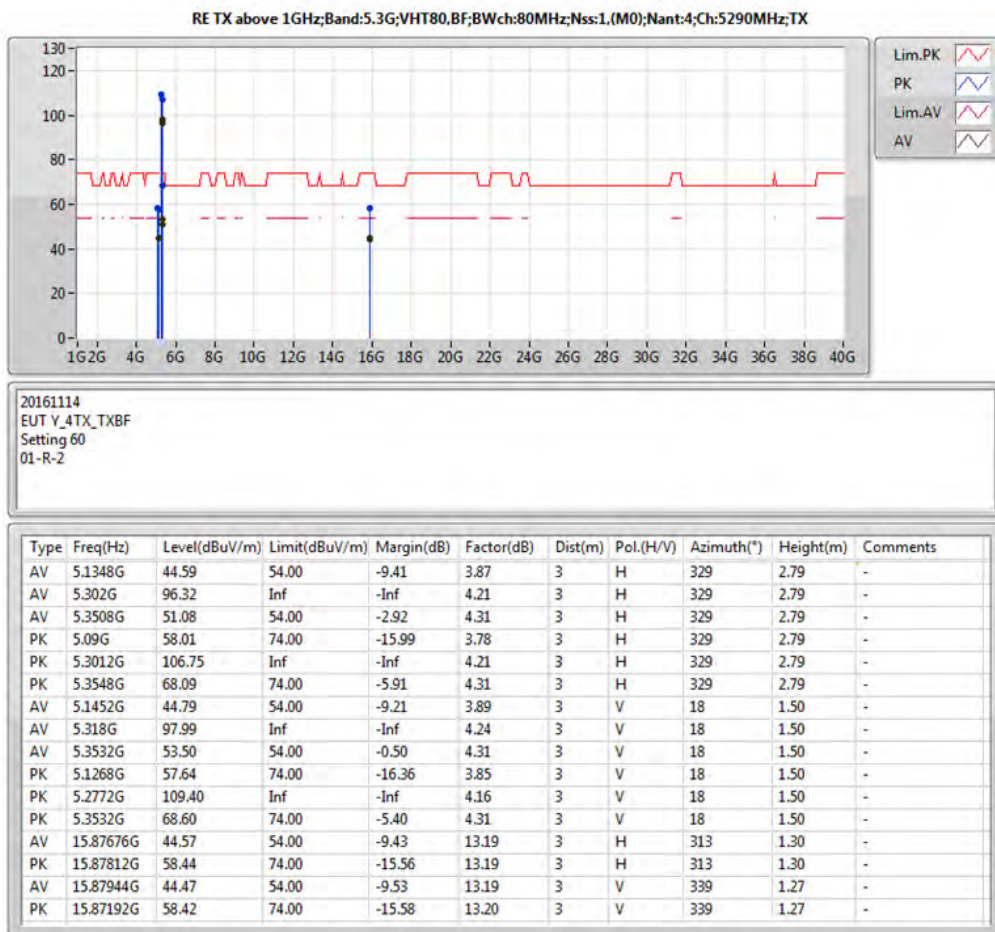
Modulation Mode	802.11ac (VHT80) (BF) MCS0/Nss1 / UNII-1	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5210		



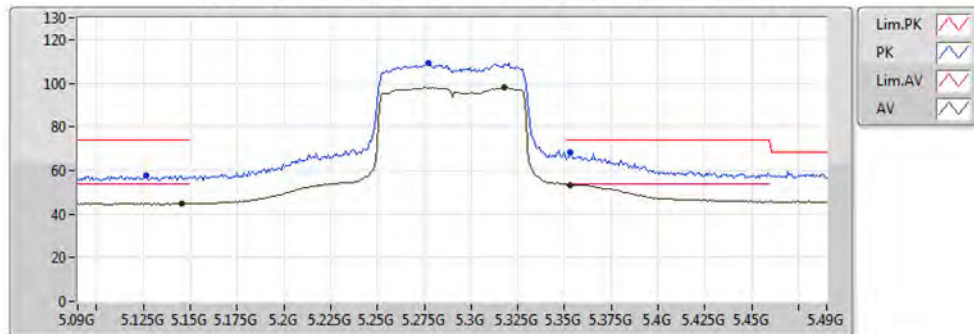




Modulation Mode	802.11ac (VHT80) (BF) MCS0/Nss1 / UNII-2A	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5290		



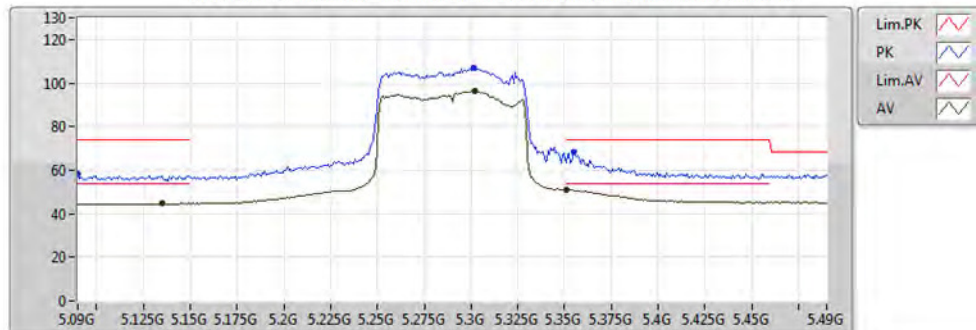
RE TX above 1GHz;Band:5.3G;VHT80,BF;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5290MHz;TX



20161114
EUT_Y_4TX_TXBF
Setting 60
01-R-2-10

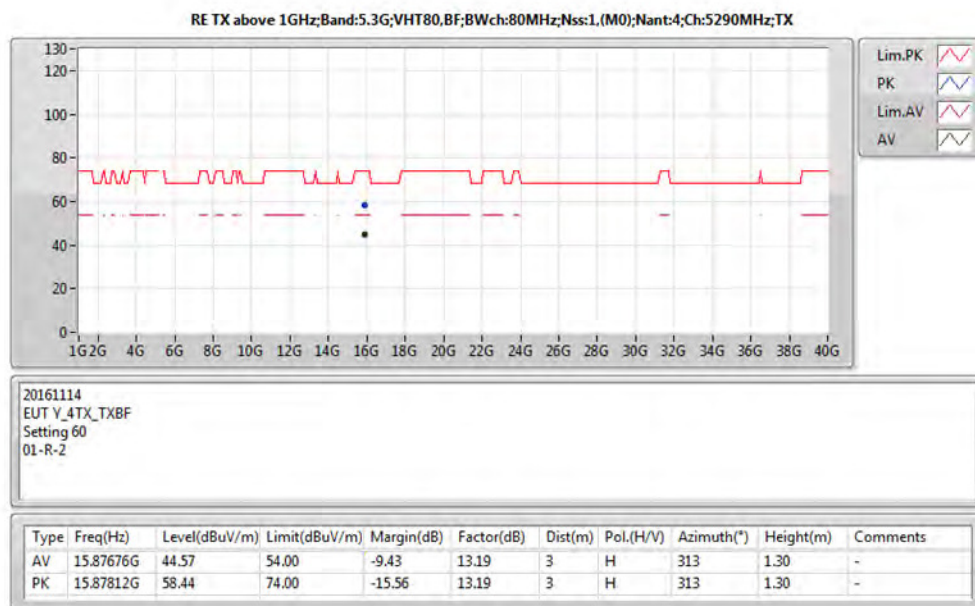
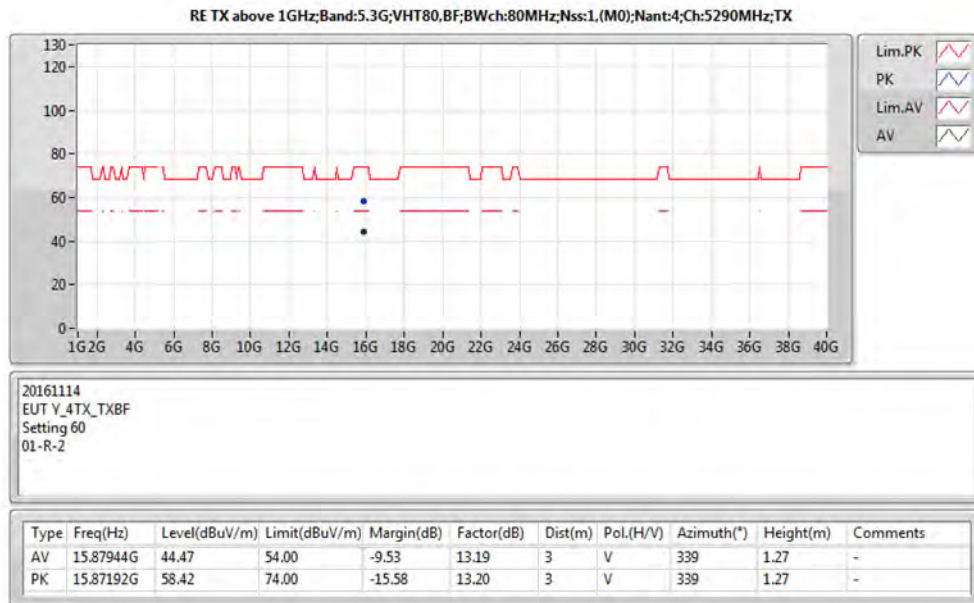
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1452G	44.79	54.00	-9.21	3.89	3	V	18	1.50	-
AV	5.318G	97.99	Inf	-Inf	4.24	3	V	18	1.50	-
AV	5.3532G	53.50	54.00	-0.50	4.31	3	V	18	1.50	-
PK	5.1268G	57.64	74.00	-16.36	3.85	3	V	18	1.50	-
PK	5.2772G	109.40	Inf	-Inf	4.16	3	V	18	1.50	-
PK	5.3532G	68.60	74.00	-5.40	4.31	3	V	18	1.50	-

RE TX above 1GHz;Band:5.3G;VHT80,BF;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5290MHz;TX

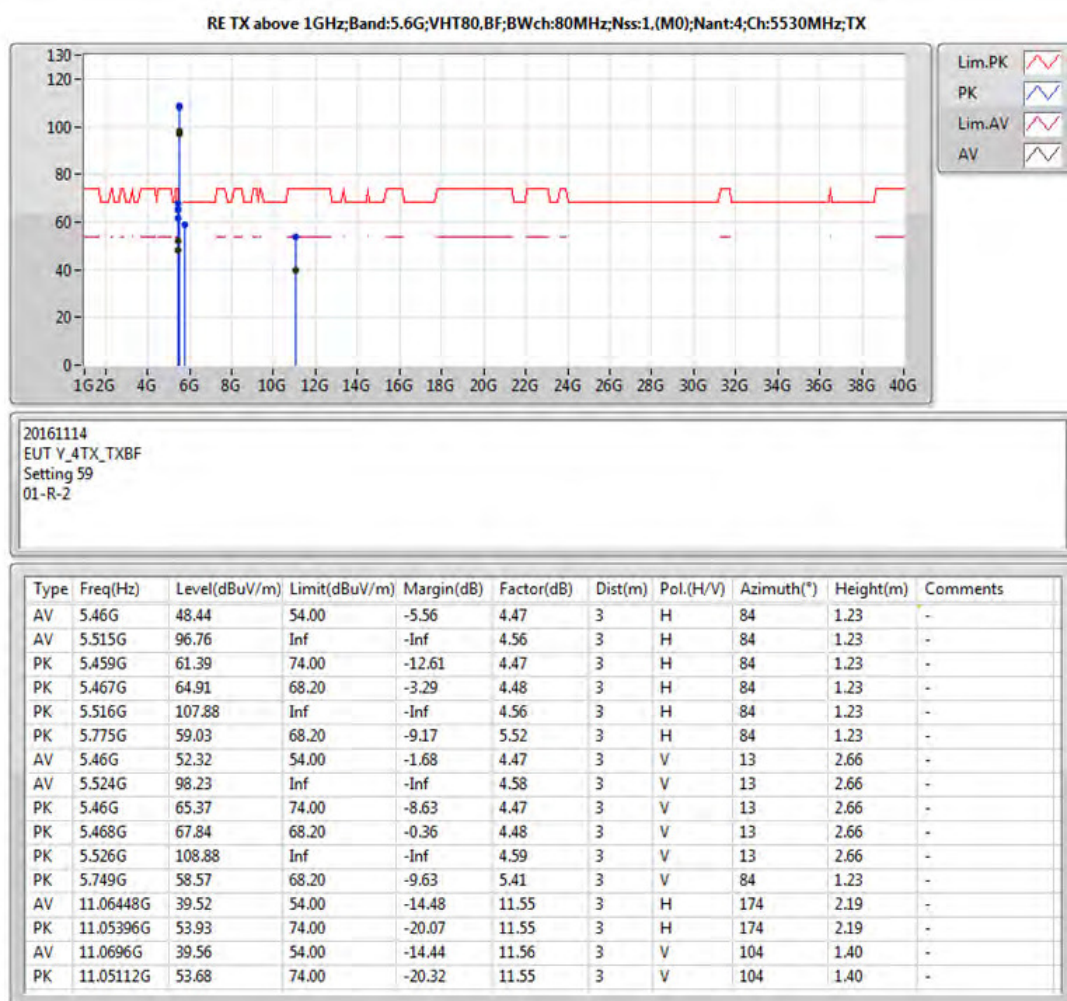


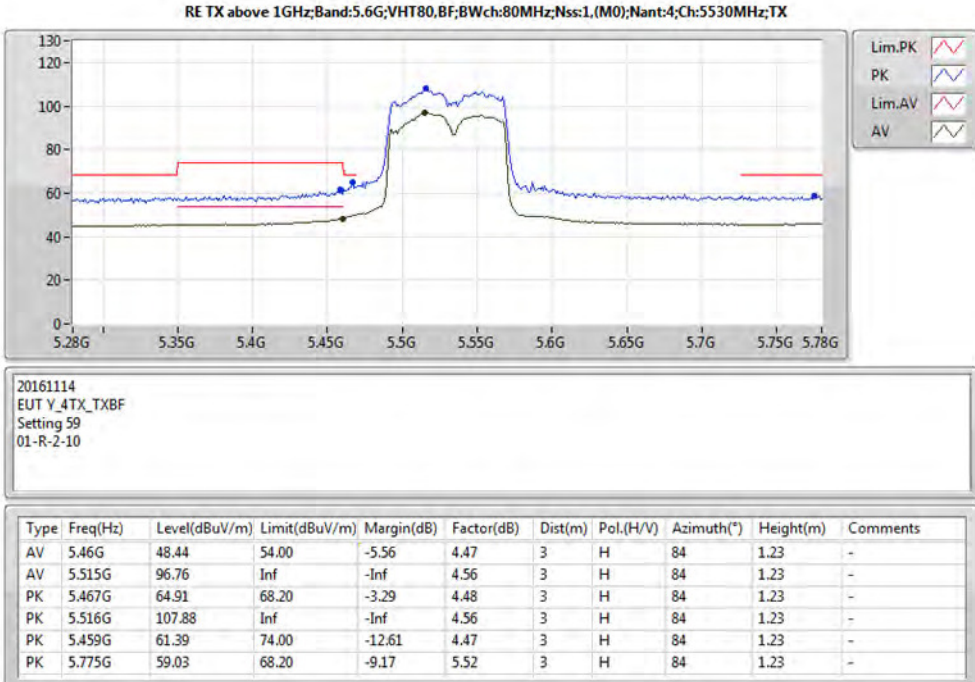
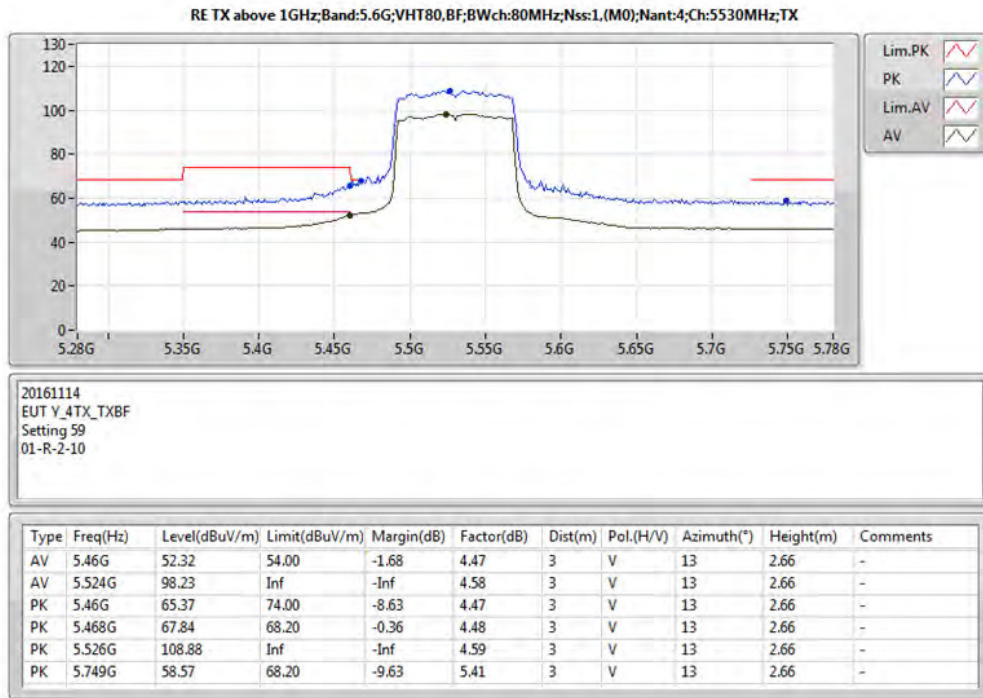
20161114
EUT_Y_4TX_TXBF
Setting 60
01-R-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1348G	44.59	54.00	-9.41	3.87	3	H	329	2.79	-
AV	5.302G	96.32	Inf	-Inf	4.21	3	H	329	2.79	-
AV	5.3508G	51.08	54.00	-2.92	4.31	3	H	329	2.79	-
PK	5.09G	58.01	74.00	-15.99	3.78	3	H	329	2.79	-
PK	5.3012G	106.75	Inf	-Inf	4.21	3	H	329	2.79	-
PK	5.3548G	68.09	74.00	-5.91	4.31	3	H	329	2.79	-

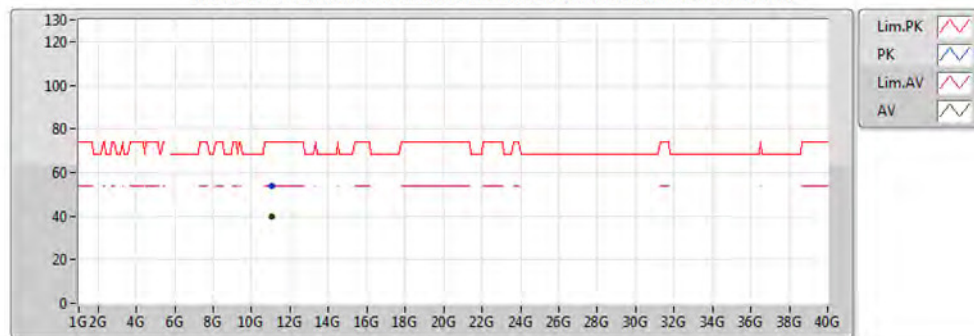


Modulation Mode	802.11ac (VHT80) (BF) MCS0/Nss1 / UNII-2C	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5530		





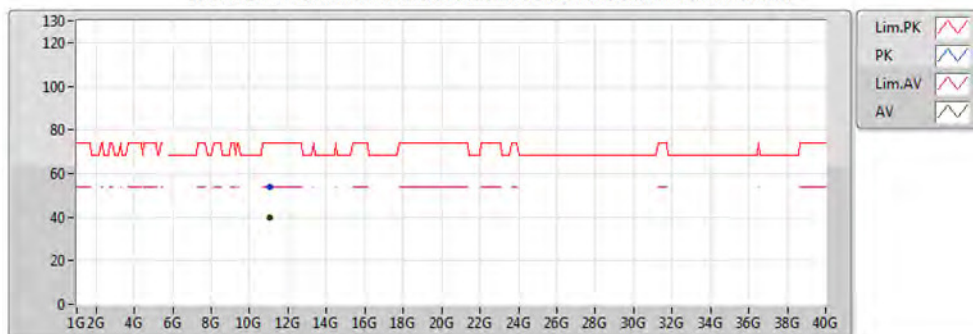
RE TX above 1GHz;Band:5.6G;VHT80,BF;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5530MHz;TX



20161114
EUT_Y_4TX_TXBF
Setting 59
01-R-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	11.0696G	39.56	54.00	-14.44	11.56	3	V	104	1.40	-
PK	11.05112G	53.68	74.00	-20.32	11.55	3	V	104	1.40	-

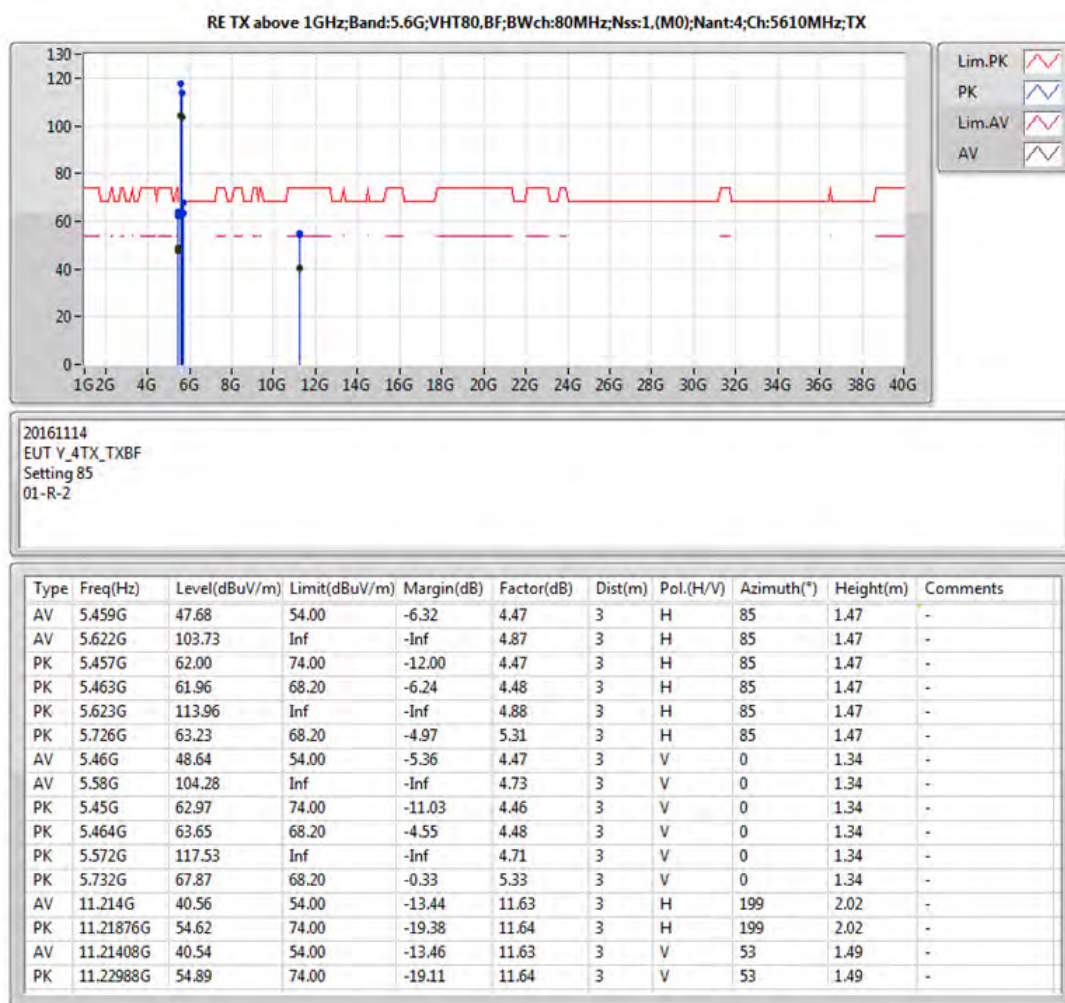
RE TX above 1GHz;Band:5.6G;VHT80,BF;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5530MHz;TX



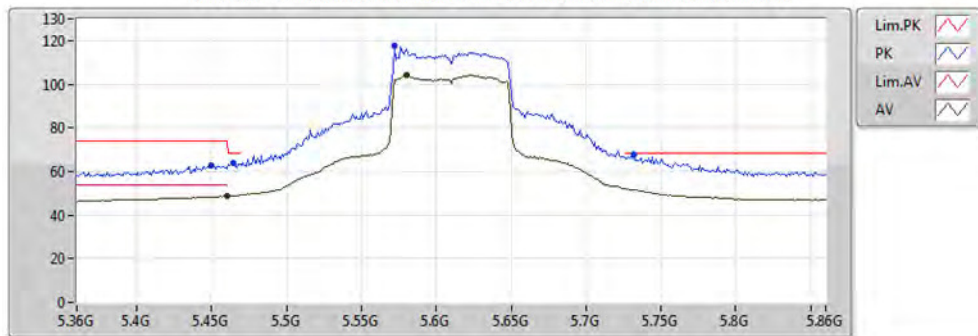
20161114
EUT_Y_4TX_TXBF
Setting 59
01-R-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	11.06448G	39.52	54.00	-14.48	11.55	3	H	174	2.19	-
PK	11.05396G	53.93	74.00	-20.07	11.55	3	H	174	2.19	-

Modulation Mode	802.11ac (VHT80) (BF) MCS0/Nss1 / UNII-2C	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5610		



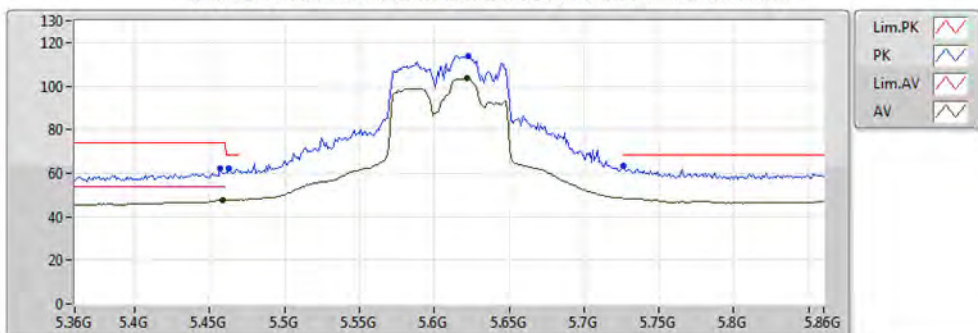
RE TX above 1GHz;Band:5.6G;VHT80,BF;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5610MHz;TX



20161114
EUT_Y_4TX_TXBF
Setting 85
01-R-2-10

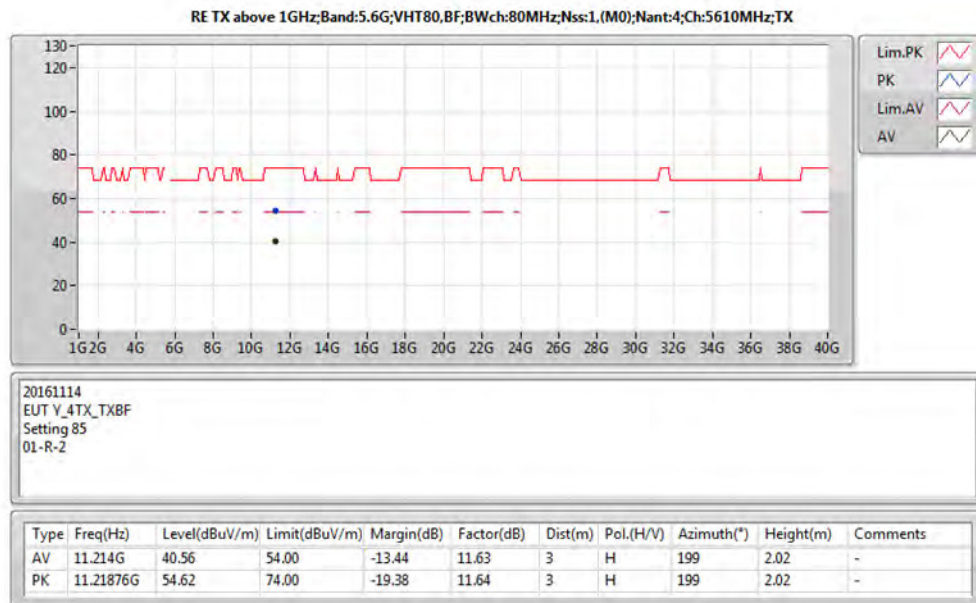
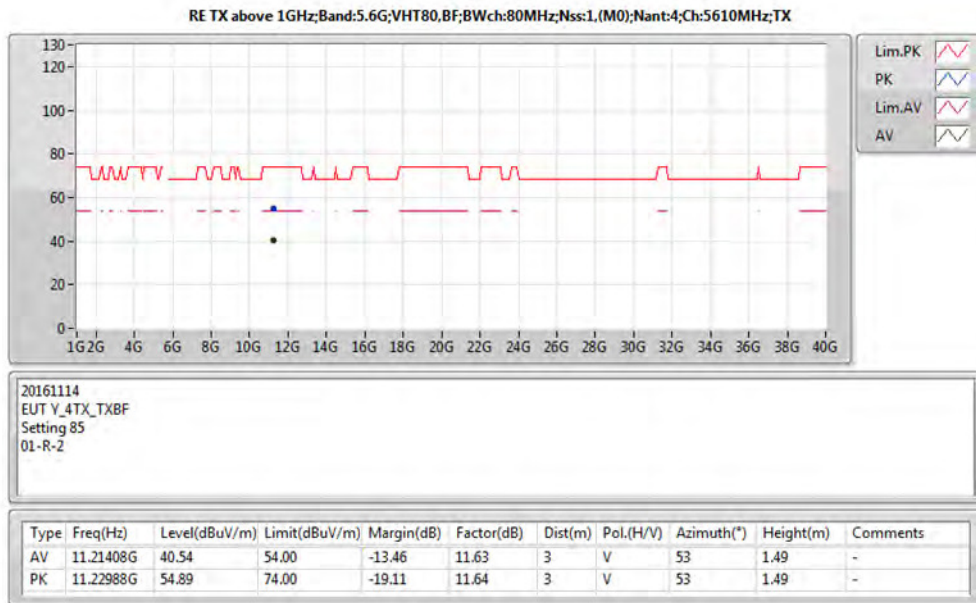
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	48.64	54.00	-5.36	4.47	3	V	0	1.34	-
AV	5.58G	104.28	Inf	-Inf	4.73	3	V	0	1.34	-
PK	5.45G	62.97	74.00	-11.03	4.46	3	V	0	1.34	-
PK	5.464G	63.65	68.20	-4.55	4.48	3	V	0	1.34	-
PK	5.572G	117.53	Inf	-Inf	4.71	3	V	0	1.34	-
PK	5.732G	67.87	68.20	-0.33	5.33	3	V	0	1.34	-

RE TX above 1GHz;Band:5.6G;VHT80,BF;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5610MHz;TX

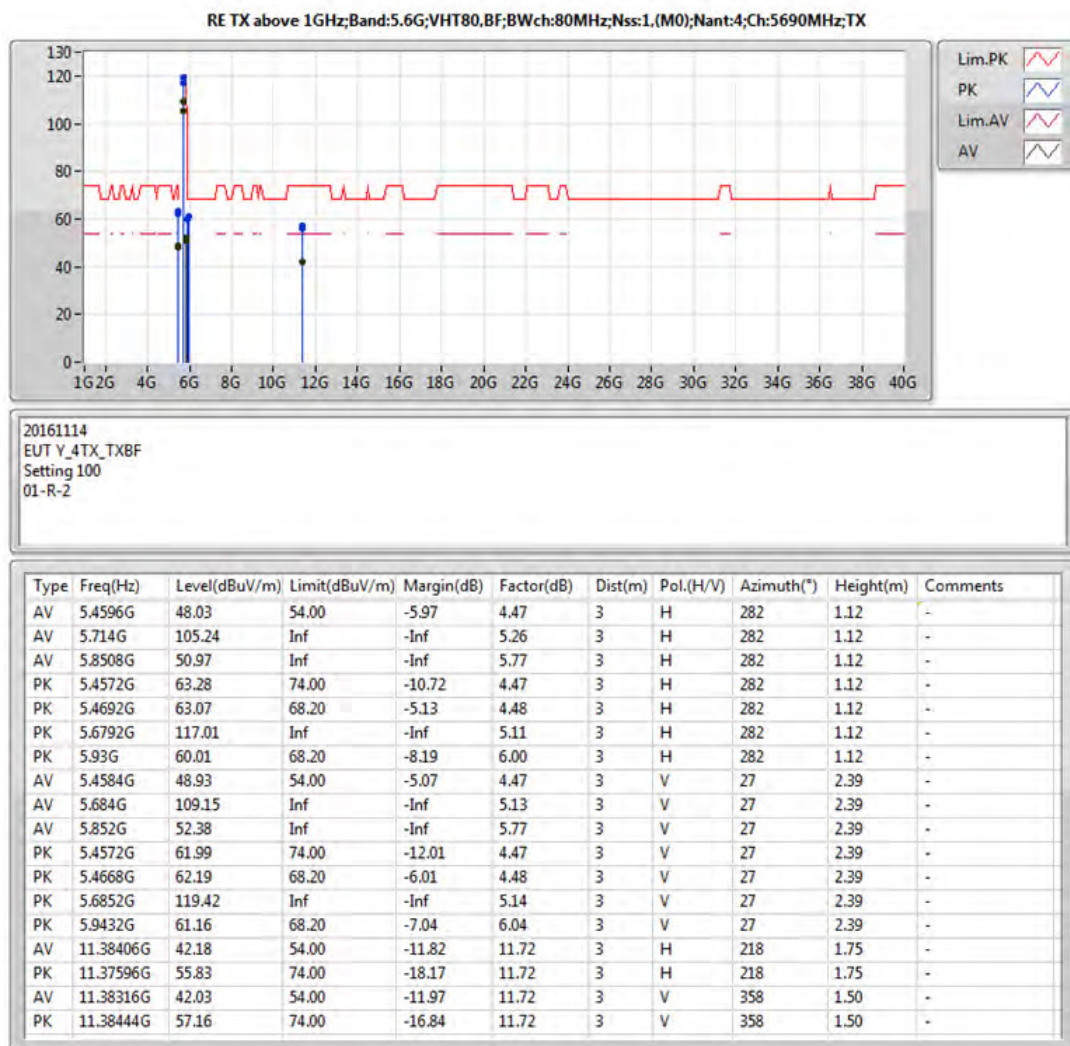


20161114
EUT_Y_4TX_TXBF
Setting 85
01-R-2-10

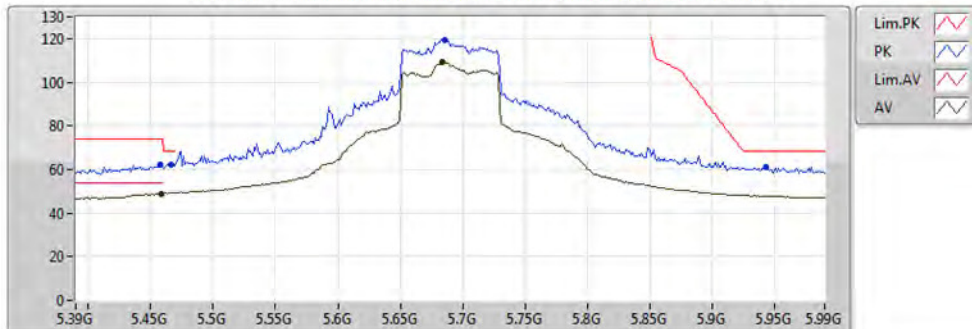
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.459G	47.68	54.00	-6.32	4.47	3	H	85	1.47	-
AV	5.622G	103.73	Inf	-Inf	4.87	3	H	85	1.47	-
PK	5.457G	62.00	74.00	-12.00	4.47	3	H	85	1.47	-
PK	5.463G	61.96	68.20	-6.24	4.48	3	H	85	1.47	-
PK	5.623G	113.96	Inf	-Inf	4.88	3	H	85	1.47	-
PK	5.726G	63.23	68.20	-4.97	5.31	3	H	85	1.47	-



Modulation Mode	802.11ac (VHT80) (BF) MCS0/Nss1 / UNII-2C	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5690		



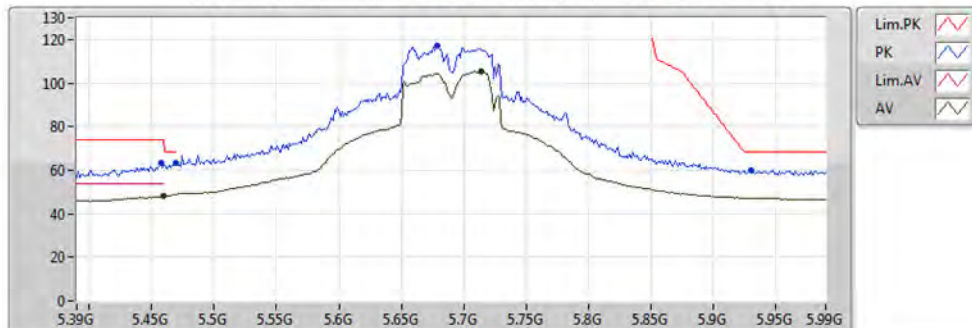
RE TX above 1GHz;Band:5.6G;VHT80,BF;BWch:80MHz;Nss:1.(M0);Nant:4;Ch:5690MHz;TX



20161114
EUT Y_4TX_TXBF
Setting 100
01-R-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4584G	48.93	54.00	-5.07	4.47	3	V	27	2.39	-
AV	5.684G	109.15	Inf	-Inf	5.13	3	V	27	2.39	-
PK	5.4572G	61.99	74.00	-12.01	4.47	3	V	27	2.39	-
PK	5.4668G	62.19	68.20	-6.01	4.48	3	V	27	2.39	-
PK	5.6852G	119.42	Inf	-Inf	5.14	3	V	27	2.39	-
PK	5.9432G	61.16	68.20	-7.04	6.04	3	V	27	2.39	-

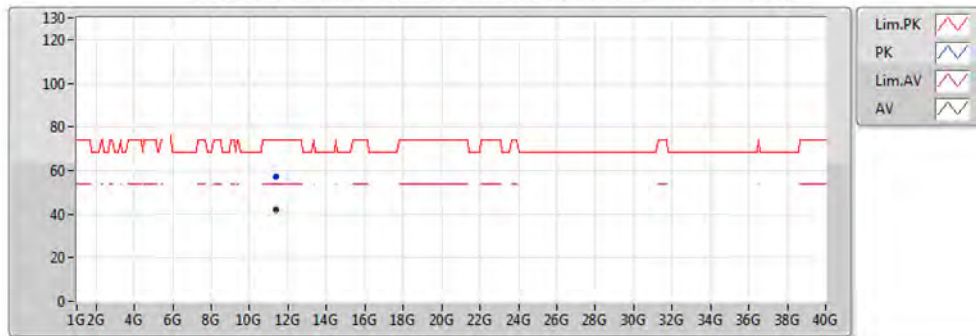
RE TX above 1GHz;Band:5.6G;VHT80,BF;BWch:80MHz;Nss:1.(M0);Nant:4;Ch:5690MHz;TX



20161114
EUT Y_4TX_TXBF
Setting 100
01-R-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4596G	48.03	54.00	-5.97	4.47	3	H	282	1.12	-
AV	5.714G	105.24	Inf	-Inf	5.26	3	H	282	1.12	-
PK	5.4572G	63.28	74.00	-10.72	4.47	3	H	282	1.12	-
PK	5.4692G	63.07	68.20	-5.13	4.48	3	H	282	1.12	-
PK	5.6792G	117.01	Inf	-Inf	5.11	3	H	282	1.12	-
PK	5.93G	60.01	68.20	-8.19	6.00	3	H	282	1.12	-

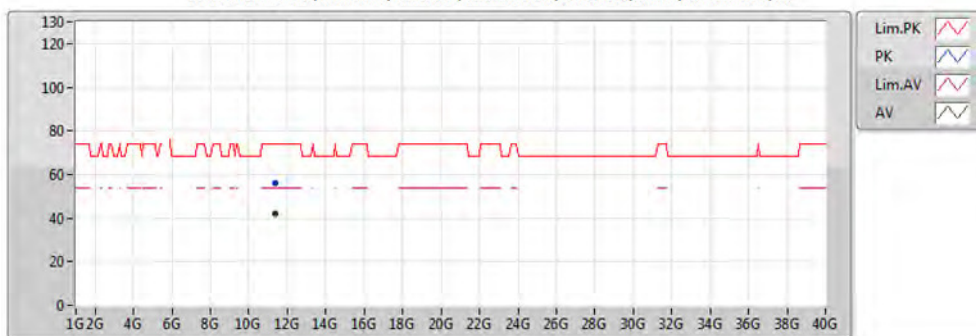
RE TX above 1GHz;Band:5.6G;VHT80,BF;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5690MHz;TX



20161114
EUT Y_4TX_TXBF
Setting 100
01-R-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.38316G	42.03	54.00	-11.97	11.72	3	V	358	1.50	-
PK	11.38444G	57.16	74.00	-16.84	11.72	3	V	358	1.50	-

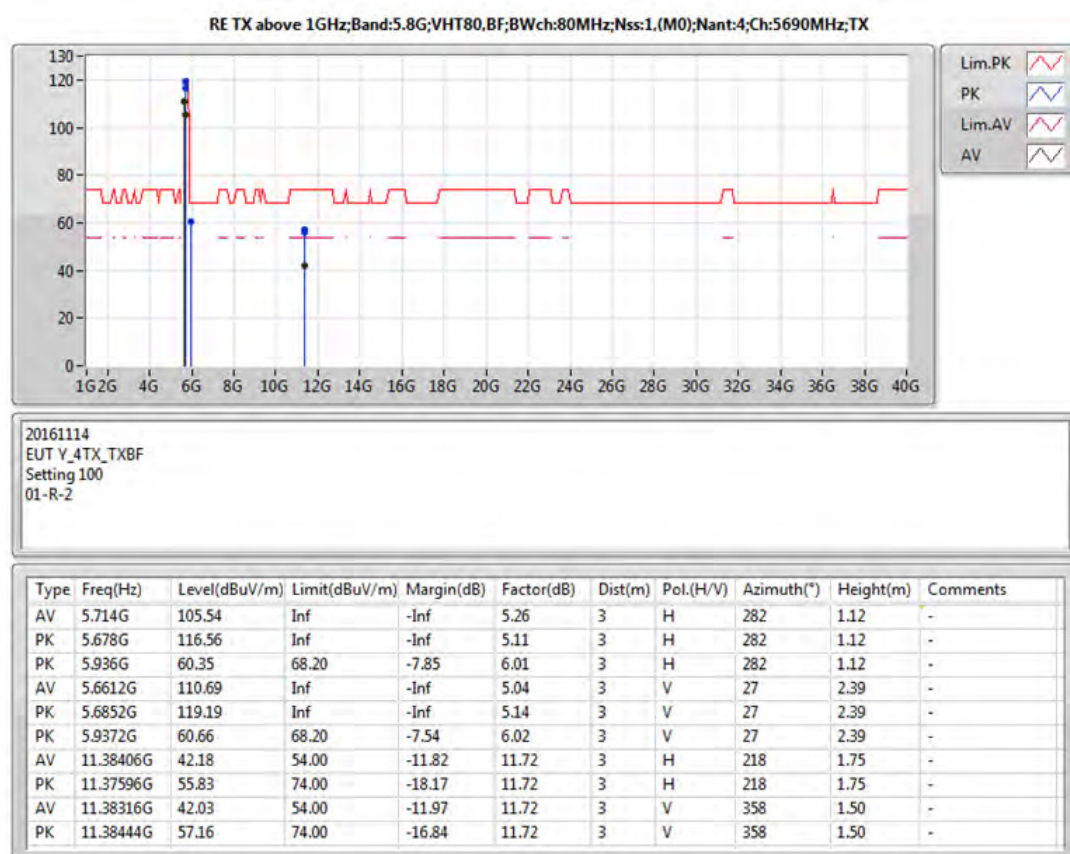
RE TX above 1GHz;Band:5.6G;VHT80,BF;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5690MHz;TX

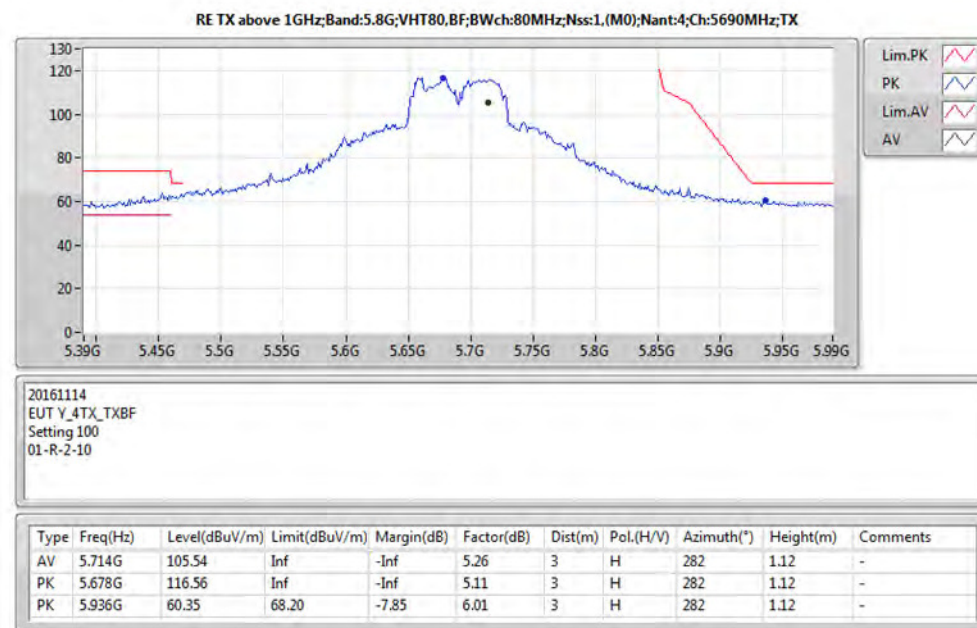
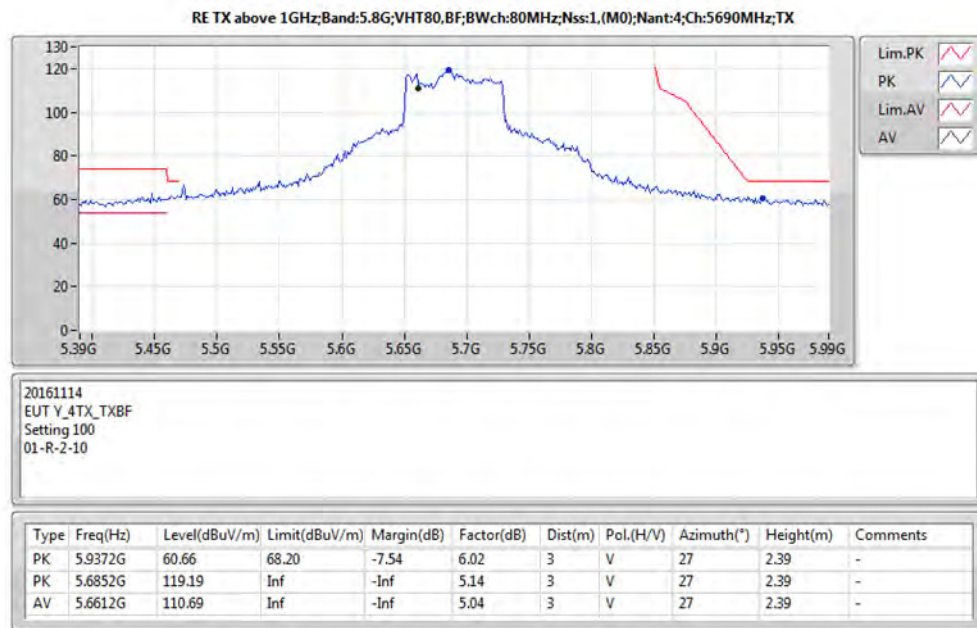


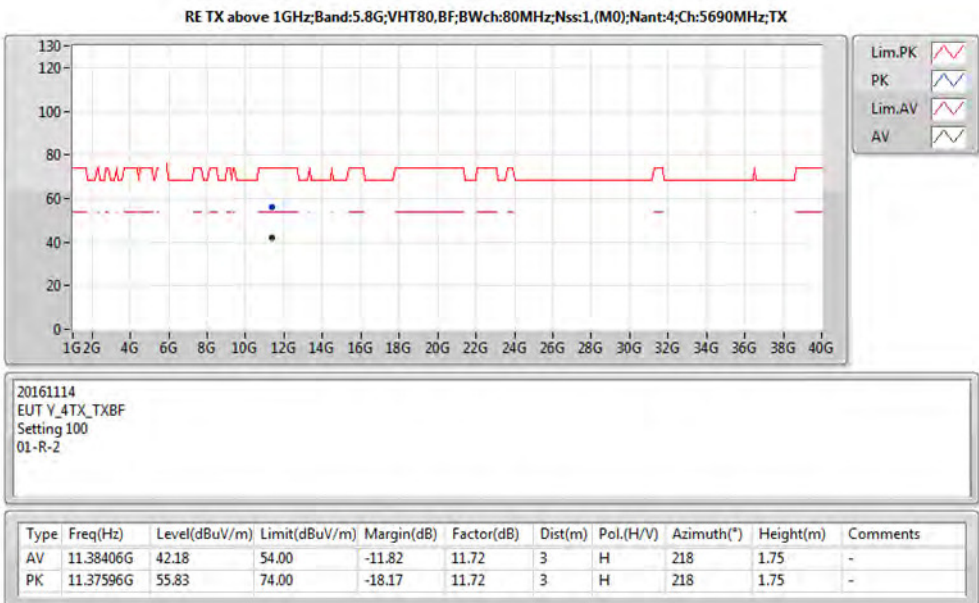
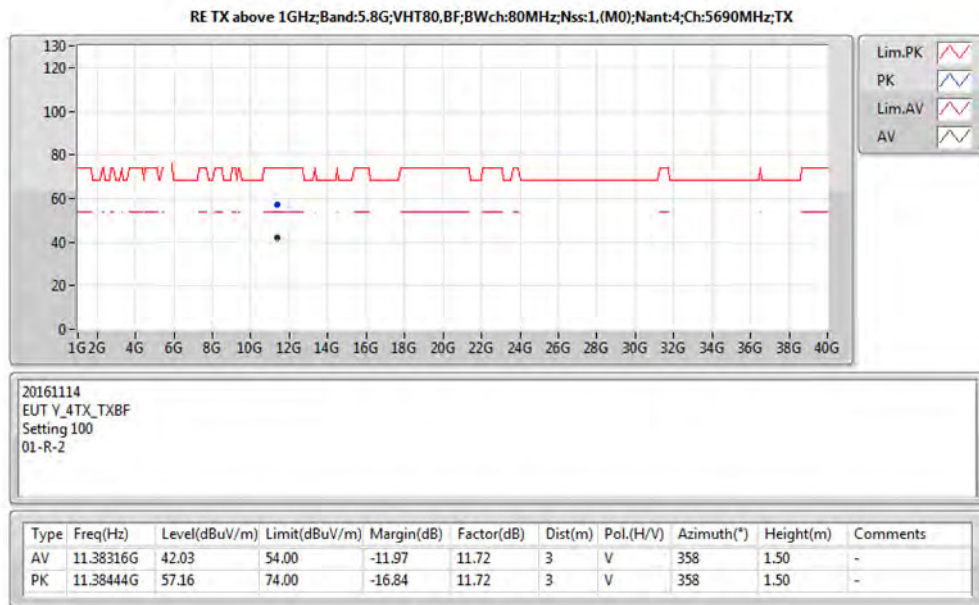
20161114
EUT Y_4TX_TXBF
Setting 100
01-R-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.38406G	42.18	54.00	-11.82	11.72	3	H	218	1.75	-
PK	11.37596G	55.83	74.00	-18.17	11.72	3	H	218	1.75	-

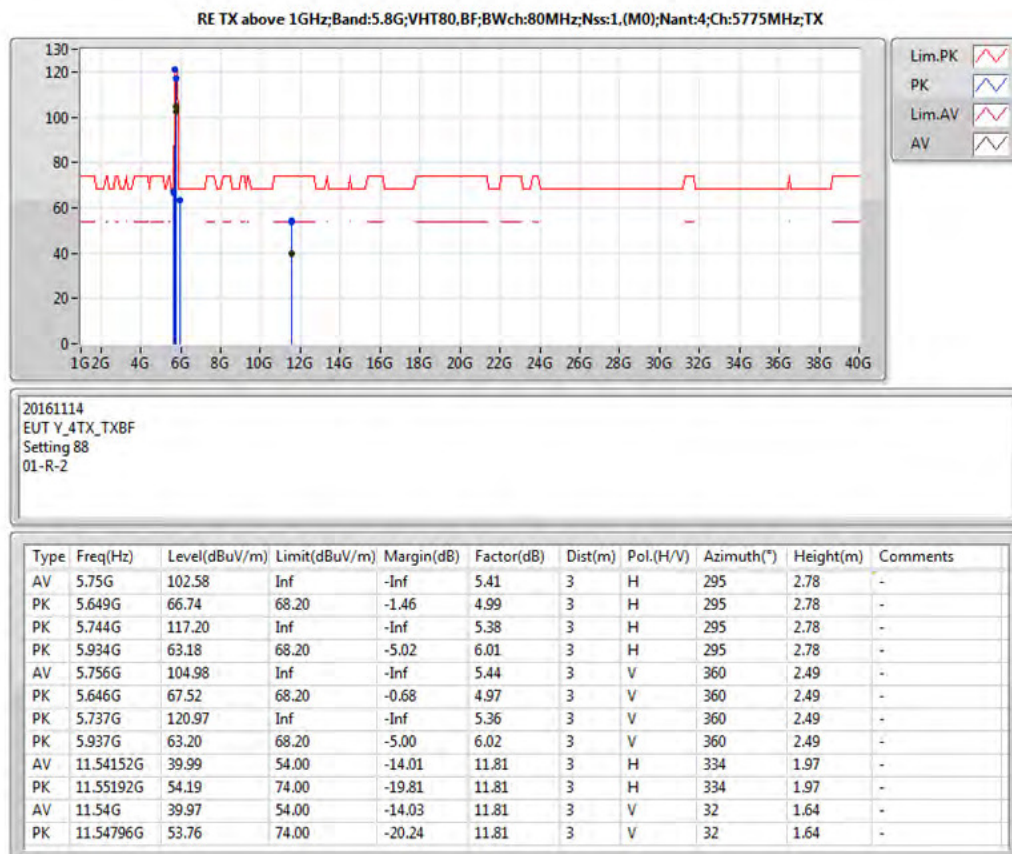
Modulation Mode	802.11ac (VHT80) (BF) MCS0/Nss1 / UNII-3	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5690		



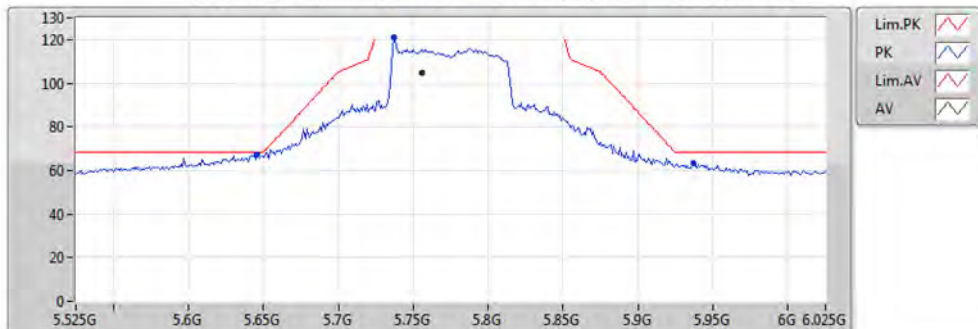




Modulation Mode	802.11ac (VHT80) (BF) MCS0/Nss1 / UNII-3	Test Chain	1 + 2 + 3 + 4
Test Freq. (MHz)	5775		



RE TX above 1GHz;Band:5.8G;VHT80,BF;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5775MHz;TX



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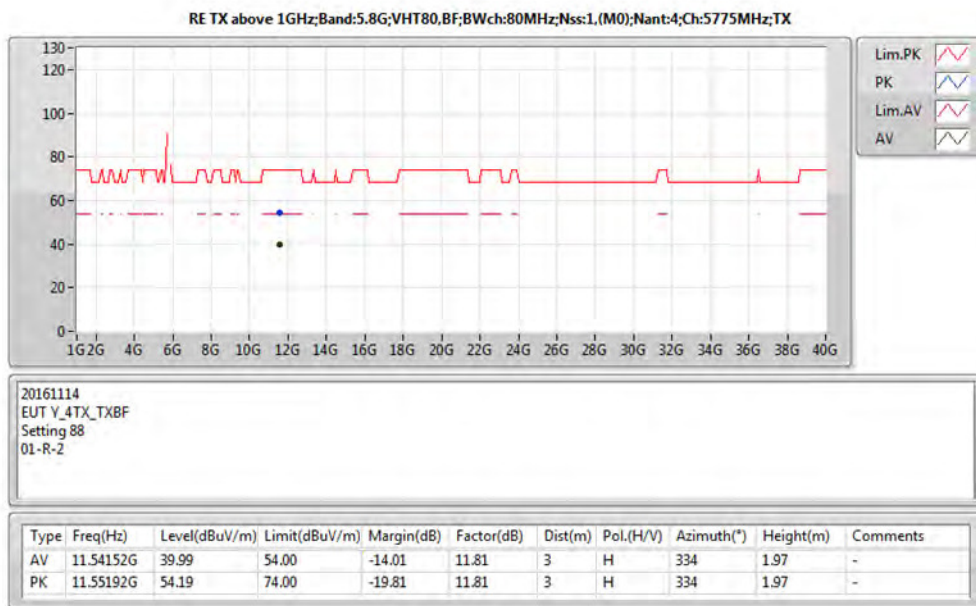
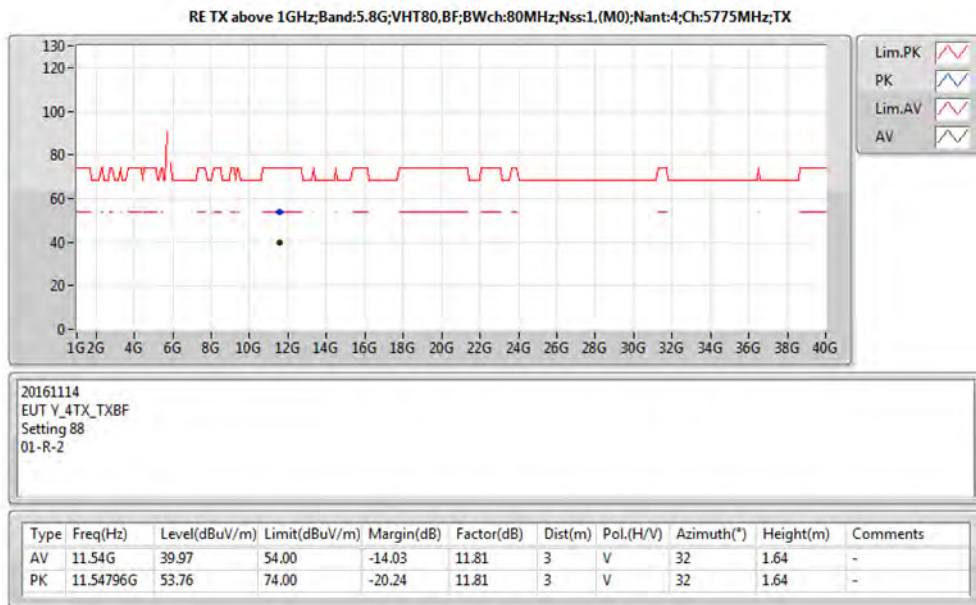
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.756G	104.98	Inf	-Inf	5.44	3	V	360	2.49	-
PK	5.646G	67.52	68.20	-0.68	4.97	3	V	360	2.49	-
PK	5.737G	120.97	Inf	-Inf	5.36	3	V	360	2.49	-
PK	5.937G	63.20	68.20	-5.00	6.02	3	V	360	2.49	-

RE TX above 1GHz;Band:5.8G;VHT80,BF;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5775MHz;TX



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EUT Y_4TX_TXBF
Setting 88
01-R-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.75G	102.58	Inf	-Inf	5.41	3	H	295	2.78	-
PK	5.649G	66.74	68.20	-1.46	4.99	3	H	295	2.78	-
PK	5.744G	117.20	Inf	-Inf	5.38	3	H	295	2.78	-
PK	5.934G	63.18	68.20	-5.02	6.01	3	H	295	2.78	-



3.6 Frequency Stability

3.6.1 Frequency Stability Limit

Frequency Stability Limit	
UNII Devices	
In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.	
LE-LAN Devices	
N/A	
IEEE Std. 802.11	
The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.	

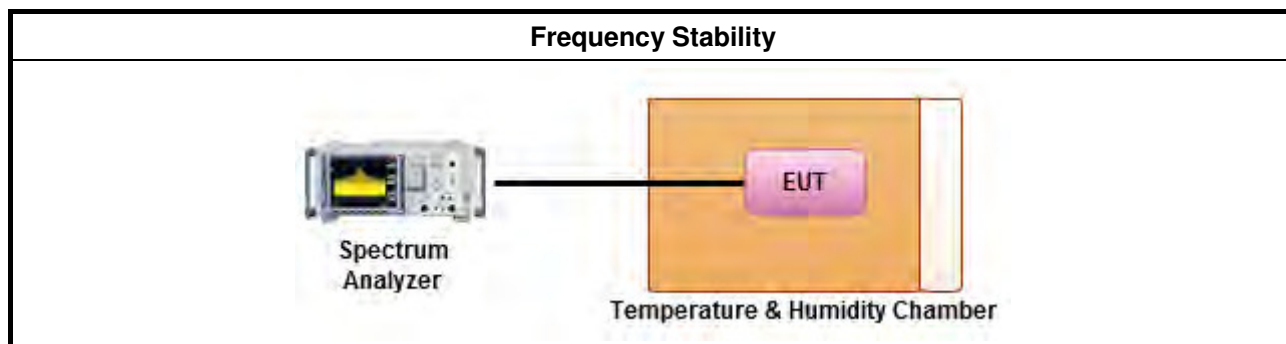
3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
Refer as ANSI C63.10, clause 6.8 for frequency stability tests	
	Frequency stability with respect to ambient temperature
	Frequency stability when varying supply voltage
	Extreme temperature is $-30^{\circ}\text{C} \sim 50^{\circ}\text{C}$.

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Mode: 20 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9458	5199.9451	5199.9443	5199.9437
110.00	5199.9457	5199.9456	5199.9446	5199.9439
93.50	5199.9451	5199.9448	5199.9442	5199.9439
Max. Deviation (MHz)	0.0549	0.0552	0.0558	0.0563
Max. Deviation (ppm)	10.55	10.61	10.72	10.82
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5199.9433	5199.9423	5199.9415	5199.9414
-20	5199.9433	5199.9423	5199.9415	5199.9414
-10	5199.9433	5199.9423	5199.9415	5199.9414
0	5199.9433	5199.9423	5199.9415	5199.9414
10	5199.9449	5199.9445	5199.9443	5199.9437
20	5199.9457	5199.9447	5199.9443	5199.9440
30	5199.9486	5199.9482	5199.9480	5199.9470
40	5199.9494	5199.9487	5199.9485	5199.9481
50	5199.9494	5199.9487	5199.9485	5199.9481
Max. Deviation (MHz)	0.0567	0.0577	0.0585	0.0586
Max. Deviation (ppm)	10.90	11.09	11.24	11.26
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9460	5299.9457	5299.9448	5299.9443
110.00	5299.9457	5299.9453	5299.9445	5299.9443
93.50	5299.9450	5299.9441	5299.9436	5299.9430
Max. Deviation (MHz)	0.0550	0.0559	0.0564	0.0570
Max. Deviation (ppm)	10.37	10.54	10.64	10.75
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5299.9435	5299.9429	5299.9425	5299.9415
-20	5299.9435	5299.9429	5299.9425	5299.9415
-10	5299.9435	5299.9429	5299.9425	5299.9415
0	5299.9435	5299.9429	5299.9425	5299.9415
10	5299.9438	5299.9429	5299.9420	5299.9419
20	5299.9457	5299.9449	5299.9442	5299.9441
30	5299.9486	5299.9477	5299.9467	5299.9463
40	5299.9497	5299.9495	5299.9494	5299.9493
50	5299.9497	5299.9495	5299.9494	5299.9493
Max. Deviation (MHz)	0.0565	0.0571	0.0580	0.0585
Max. Deviation (ppm)	10.65	10.77	10.94	11.03
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9466	5579.9461	5579.9451	5579.9444
110.00	5579.9457	5579.9449	5579.9446	5579.9441
93.50	5579.9451	5579.9442	5579.9438	5579.9435
Max. Deviation (MHz)	0.0549	0.0558	0.0562	0.0565
Max. Deviation (ppm)	9.83	9.99	10.07	10.12
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5579.9431	5579.9429	5579.9419	5579.9411
-20	5579.9431	5579.9429	5579.9419	5579.9411
-10	5579.9431	5579.9429	5579.9419	5579.9411
0	5579.9431	5579.9429	5579.9419	5579.9411
10	5579.9444	5579.9436	5579.9432	5579.9426
20	5579.9457	5579.9450	5579.9446	5579.9438
30	5579.9486	5579.9483	5579.9476	5579.9473
40	5579.9501	5579.9495	5579.9489	5579.9480
50	5579.9501	5579.9495	5579.9489	5579.9480
Max. Deviation (MHz)	0.0569	0.0571	0.0581	0.0589
Max. Deviation (ppm)	10.19	10.23	10.41	10.55
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9459	5784.9458	5784.9455	5784.9446
110.00	5784.9457	5784.9454	5784.9449	5784.9441
93.50	5784.9448	5784.9444	5784.9434	5784.9428
Max. Deviation (MHz)	0.0552	0.0556	0.0566	0.0572
Max. Deviation (ppm)	9.54	9.61	9.78	9.88
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5784.9430	5784.9421	5784.9419	5784.9418
-20	5784.9430	5784.9421	5784.9419	5784.9418
-10	5784.9430	5784.9421	5784.9419	5784.9418
0	5784.9430	5784.9421	5784.9419	5784.9418
10	5784.9444	5784.9439	5784.9438	5784.9429
20	5784.9457	5784.9456	5784.9450	5784.9448
30	5784.9486	5784.9478	5784.9468	5784.9462
40	5784.9498	5784.9488	5784.9485	5784.9483
50	5784.9498	5784.9488	5784.9485	5784.9483
Max. Deviation (MHz)	0.0570	0.0579	0.0581	0.0582
Max. Deviation (ppm)	9.85	10.00	10.04	10.06
Result	Pass			

Mode: 40 MHz / Chain 2
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9459	5189.9456	5189.9453	5189.9448
110.00	5189.9457	5189.9453	5189.9443	5189.9435
93.50	5189.9456	5189.9447	5189.9441	5189.9438
Max. Deviation (MHz)	0.0544	0.0553	0.0559	0.0565
Max. Deviation (ppm)	10.48	10.65	10.76	10.88
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5189.9441	5189.9438	5189.9434	5189.9432
-20	5189.9441	5189.9438	5189.9434	5189.9432
-10	5189.9441	5189.9438	5189.9434	5189.9432
0	5189.9441	5189.9438	5189.9434	5189.9432
10	5189.9448	5189.9444	5189.9443	5189.9437
20	5189.9457	5189.9455	5189.9450	5189.9444
30	5189.9486	5189.9480	5189.9476	5189.9471
40	5189.9495	5189.9485	5189.9480	5189.9474
50	5189.9495	5189.9485	5189.9480	5189.9474
Max. Deviation (MHz)	0.0559	0.0562	0.0566	0.0568
Max. Deviation (ppm)	10.76	10.82	10.90	10.94
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5309.9460	5309.9456	5309.9450	5309.9445
110.00	5309.9457	5309.9451	5309.9444	5309.9440
93.50	5309.9449	5309.9448	5309.9446	5309.9437
Max. Deviation (MHz)	0.0551	0.0552	0.0556	0.0563
Max. Deviation (ppm)	10.37	10.39	10.47	10.60
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5309.9436	5309.9431	5309.9428	5309.9426
-20	5309.9436	5309.9431	5309.9428	5309.9426
-10	5309.9436	5309.9431	5309.9428	5309.9426
0	5309.9436	5309.9431	5309.9428	5309.9426
10	5309.9440	5309.9436	5309.9433	5309.9427
20	5309.9457	5309.9455	5309.9450	5309.9448
30	5309.9486	5309.9477	5309.9475	5309.9466
40	5309.9499	5309.9491	5309.9484	5309.9482
50	5309.9499	5309.9491	5309.9484	5309.9482
Max. Deviation (MHz)	0.0564	0.0569	0.0572	0.0574
Max. Deviation (ppm)	10.62	10.71	10.77	10.80
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9462	5549.9452	5549.9443	5549.9442
110.00	5549.9457	5549.9451	5549.9441	5549.9433
93.50	5549.9453	5549.9443	5549.9439	5549.9430
Max. Deviation (MHz)	0.0547	0.0557	0.0561	0.0570
Max. Deviation (ppm)	9.85	10.03	10.10	10.26
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5549.9428	5549.9421	5549.9416	5549.9413
-20	5549.9428	5549.9421	5549.9416	5549.9413
-10	5549.9428	5549.9421	5549.9416	5549.9413
0	5549.9428	5549.9421	5549.9416	5549.9413
10	5549.9447	5549.9437	5549.9435	5549.9433
20	5549.9457	5549.9456	5549.9453	5549.9452
30	5549.9486	5549.9481	5549.9474	5549.9466
40	5549.9492	5549.9489	5549.9483	5549.9481
50	5549.9492	5549.9489	5549.9483	5549.9481
Max. Deviation (MHz)	0.0572	0.0579	0.0584	0.0587
Max. Deviation (ppm)	10.30	10.43	10.52	10.57
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9466	5754.9456	5754.9452	5754.9447
110.00	5754.9457	5754.9451	5754.9445	5754.9440
93.50	5754.9447	5754.9437	5754.9435	5754.9434
Max. Deviation (MHz)	0.0553	0.0563	0.0565	0.0566
Max. Deviation (ppm)	9.60	9.78	9.81	9.83
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5754.9444	5754.9442	5754.9437	5754.9429
-20	5754.9444	5754.9442	5754.9437	5754.9429
-10	5754.9444	5754.9442	5754.9437	5754.9429
0	5754.9444	5754.9442	5754.9437	5754.9429
10	5754.9454	5754.9448	5754.9447	5754.9446
20	5754.9457	5754.9447	5754.9441	5754.9436
30	5754.9486	5754.9482	5754.9478	5754.9474
40	5754.9496	5754.9490	5754.9484	5754.9474
50	5754.9496	5754.9490	5754.9484	5754.9474
Max. Deviation (MHz)	0.0556	0.0558	0.0563	0.0571
Max. Deviation (ppm)	9.66	9.69	9.78	9.92
Result	Pass			

Mode: 80 MHz / Chain 2
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9463	5209.9458	5209.9451	5209.9450
110.00	5209.9457	5209.9449	5209.9448	5209.9443
93.50	5209.9456	5209.9449	5209.9441	5209.9431
Max. Deviation (MHz)	0.0544	0.0551	0.0559	0.0569
Max. Deviation (ppm)	10.44	10.57	10.72	10.92
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5209.9435	5209.9428	5209.9425	5209.9416
-20	5209.9435	5209.9428	5209.9425	5209.9416
-10	5209.9435	5209.9428	5209.9425	5209.9416
0	5209.9435	5209.9428	5209.9425	5209.9416
10	5209.9446	5209.9437	5209.9436	5209.9426
20	5209.9457	5209.9448	5209.9440	5209.9435
30	5209.9486	5209.9485	5209.9479	5209.9472
40	5209.9497	5209.9492	5209.9485	5209.9477
50	5209.9497	5209.9492	5209.9485	5209.9477
Max. Deviation (MHz)	0.0565	0.0572	0.0575	0.0584
Max. Deviation (ppm)	10.84	10.97	11.03	11.20
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5289.9460	5289.9451	5289.9444	5289.9435
110.00	5289.9457	5289.9453	5289.9452	5289.9444
93.50	5289.9449	5289.9440	5289.9438	5289.9437
Max. Deviation (MHz)	0.0551	0.0560	0.0562	0.0565
Max. Deviation (ppm)	10.41	10.58	10.62	10.67
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5289.9453	5289.9443	5289.9439	5289.9429
-20	5289.9453	5289.9443	5289.9439	5289.9429
-10	5289.9453	5289.9443	5289.9439	5289.9429
0	5289.9453	5289.9443	5289.9439	5289.9429
10	5289.9455	5289.9446	5289.9440	5289.9434
20	5289.9457	5289.9456	5289.9450	5289.9440
30	5289.9486	5289.9483	5289.9475	5289.9469
40	5289.9489	5289.9486	5289.9485	5289.9476
50	5289.9489	5289.9486	5289.9485	5289.9476
Max. Deviation (MHz)	0.0547	0.0557	0.0561	0.0571
Max. Deviation (ppm)	10.33	10.52	10.60	10.79
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5529.9460	5529.9453	5529.9443	5529.9436
110.00	5529.9457	5529.9449	5529.9447	5529.9438
93.50	5529.9448	5529.9445	5529.9443	5529.9434
Max. Deviation (MHz)	0.0552	0.0555	0.0557	0.0566
Max. Deviation (ppm)	9.98	10.03	10.07	10.23
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5529.9423	5529.9416	5529.9414	5529.9410
-20	5529.9423	5529.9416	5529.9414	5529.9410
-10	5529.9423	5529.9416	5529.9414	5529.9410
0	5529.9423	5529.9416	5529.9414	5529.9410
10	5529.9443	5529.9438	5529.9437	5529.9427
20	5529.9457	5529.9451	5529.9444	5529.9435
30	5529.9486	5529.9481	5529.9475	5529.9470
40	5529.9492	5529.9486	5529.9477	5529.9471
50	5529.9492	5529.9486	5529.9477	5529.9471
Max. Deviation (MHz)	0.0577	0.0584	0.0586	0.0590
Max. Deviation (ppm)	10.43	10.56	10.59	10.66
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9465	5774.9459	5774.9451	5774.9450
110.00	5774.9457	5774.9452	5774.9443	5774.9440
93.50	5774.9454	5774.9446	5774.9438	5774.9430
Max. Deviation (MHz)	0.0546	0.0554	0.0562	0.0570
Max. Deviation (ppm)	9.45	9.59	9.73	9.86
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5774.9429	5774.9423	5774.9422	5774.9418
-20	5774.9429	5774.9423	5774.9422	5774.9418
-10	5774.9429	5774.9423	5774.9422	5774.9418
0	5774.9429	5774.9423	5774.9422	5774.9418
10	5774.9439	5774.9432	5774.9425	5774.9417
20	5774.9457	5774.9451	5774.9443	5774.9438
30	5774.9486	5774.9477	5774.9475	5774.9471
40	5774.9505	5774.9495	5774.9491	5774.9482
50	5774.9505	5774.9495	5774.9491	5774.9482
Max. Deviation (MHz)	0.0571	0.0577	0.0578	0.0583
Max. Deviation (ppm)	9.88	9.99	10.00	10.09
Result	Pass			



4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 27, 2016	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 08, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 23, 2015	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 24, 2016	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMC	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2016	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 25, 2016	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 25, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Mar. 15, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 18, 2016	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jun. 28, 2016	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP-40	100019	9kHz ~ 40GHz	Apr. 21, 2016	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 16, 2016	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-10-7	N/A	N/A	Radiation (03CH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 09, 2015	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY54320015	50MHz~18GHz	Apr. 20, 2016	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

“*” Calibration Interval of instruments listed above is two years.

N.C.R. means Non-Calibration required.