PSD NVNT ax80 484@65 5210MHz Ant1

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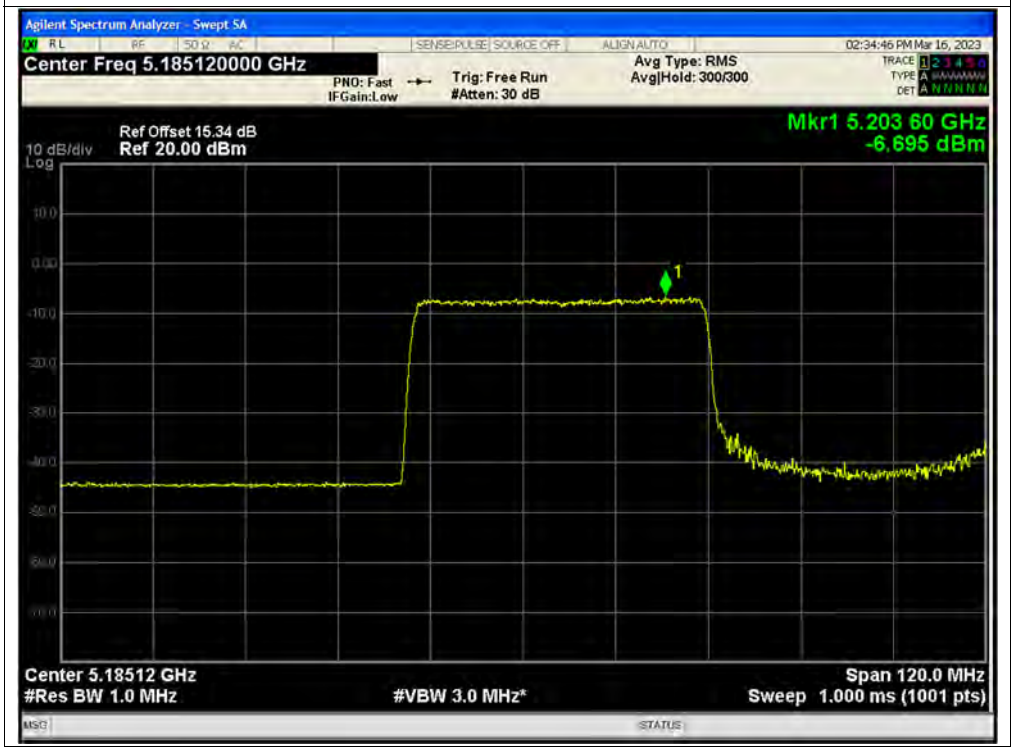
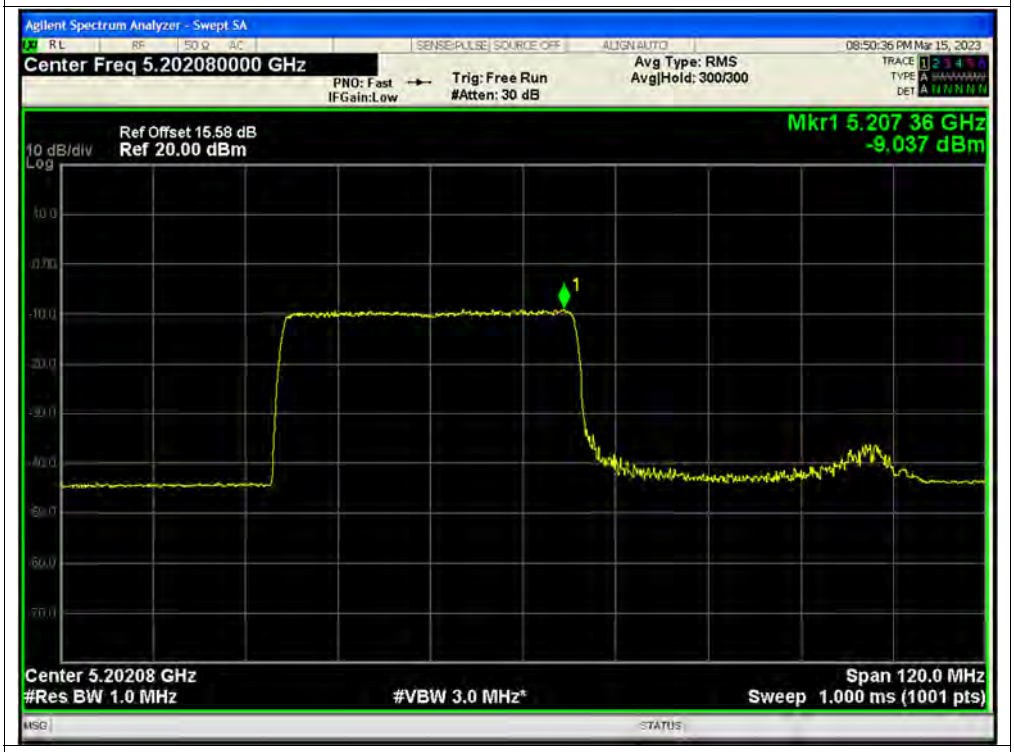
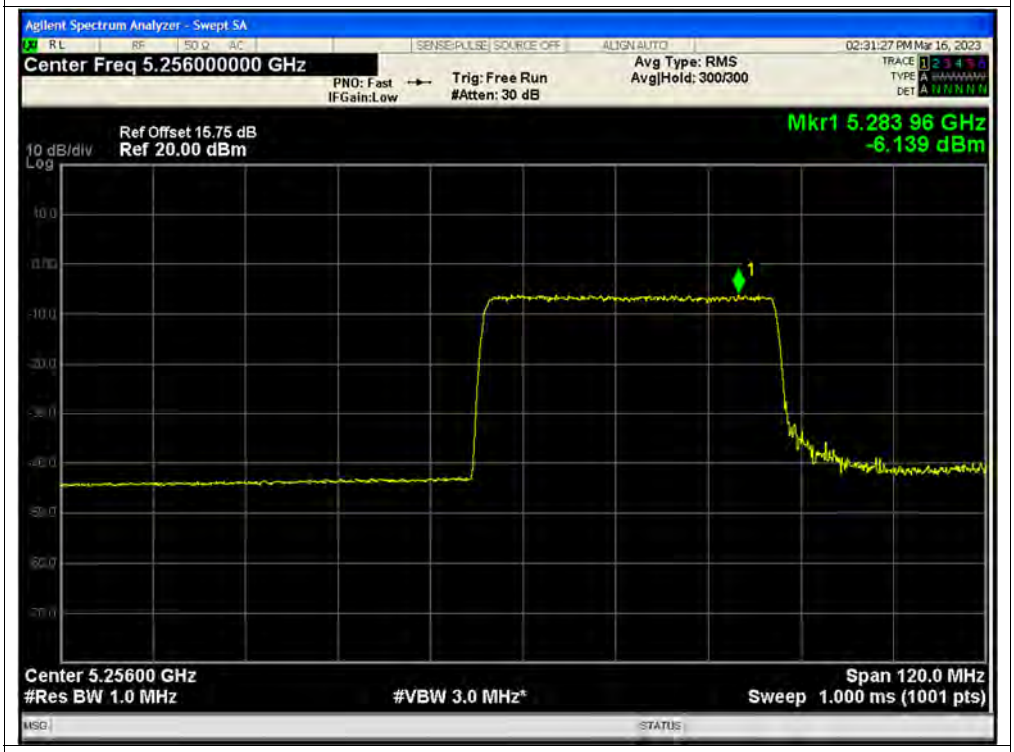


PSD NVNT ax80 484@65 5210MHz Ant1

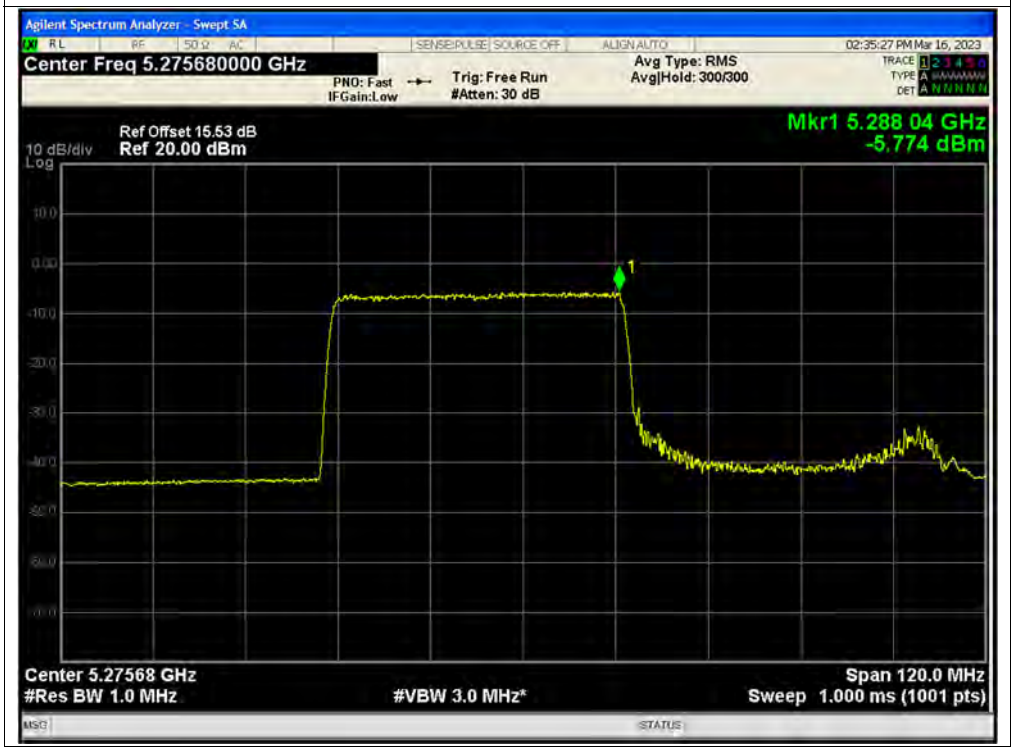


PSD NVNT ax80 484@65 5210MHz Ant2

PSD NVNT ax80 484@65 5290MHz Ant1



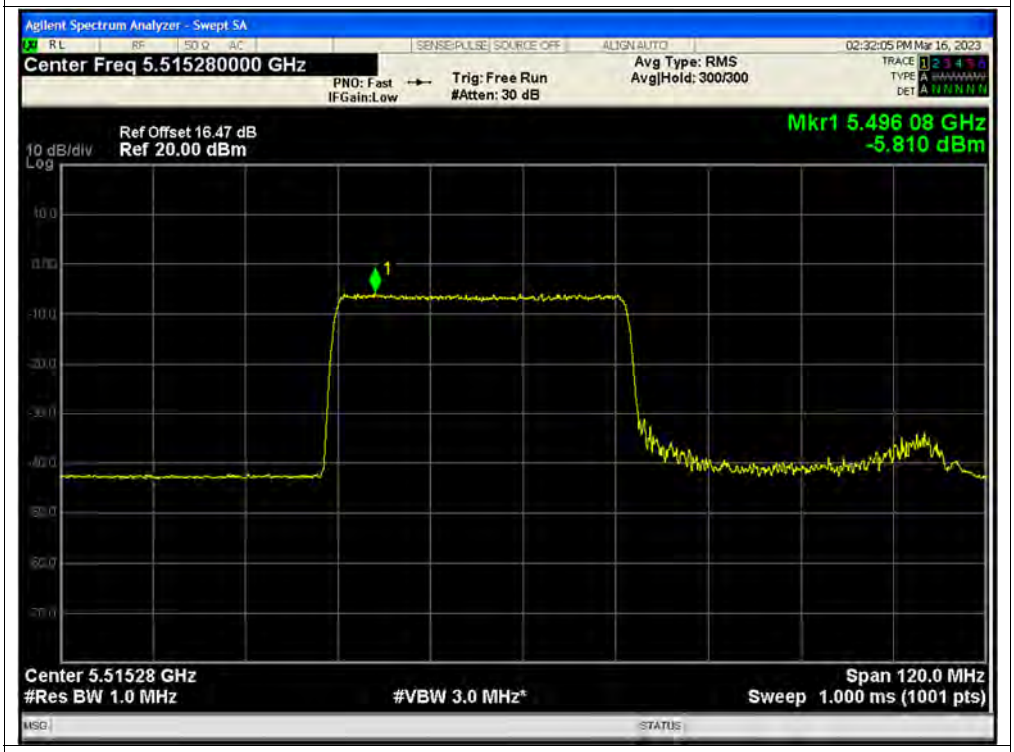
PSD NVNT ax80 484@65 5290MHz Ant2



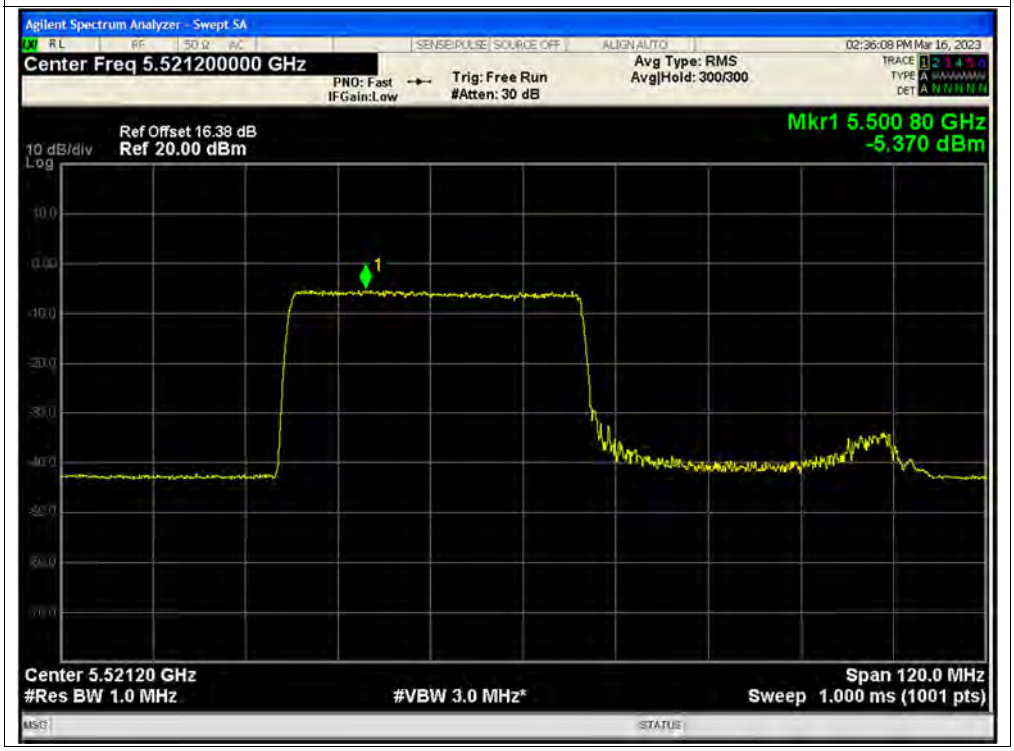
PSD NVNT ax80 484@65 5290MHz Ant1

PSD NVNT ax80 484@65 5290MHz Ant2

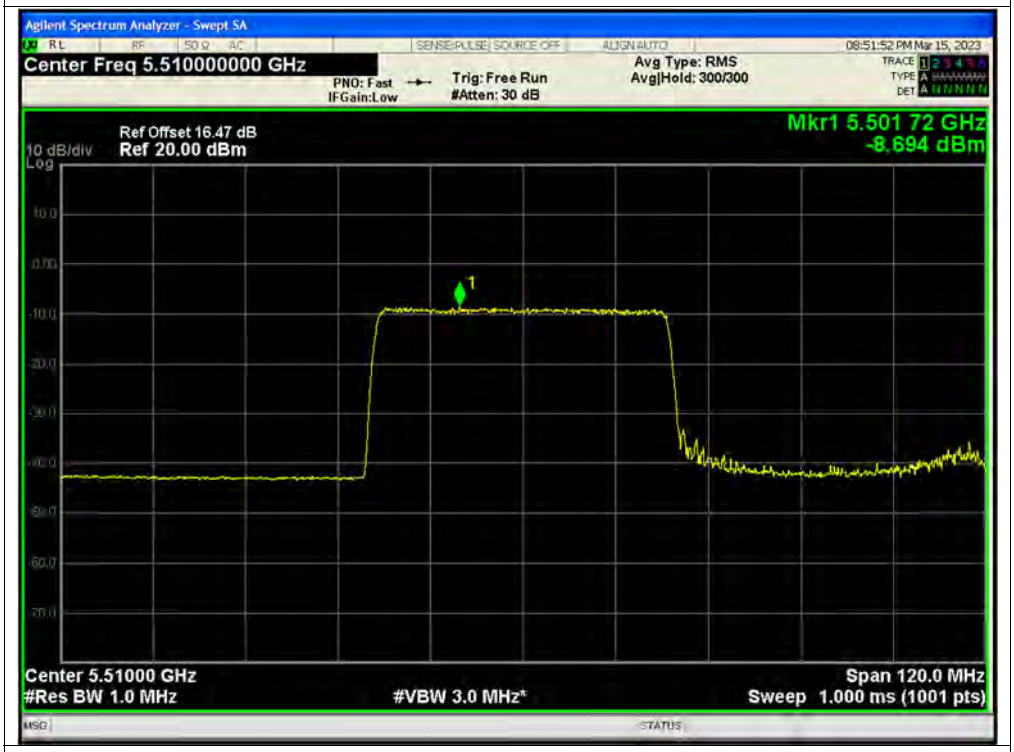
PSD NVNT ax80 484@65 5530MHz Ant1



PSD NVNT ax80 484@65 5530MHz Ant2

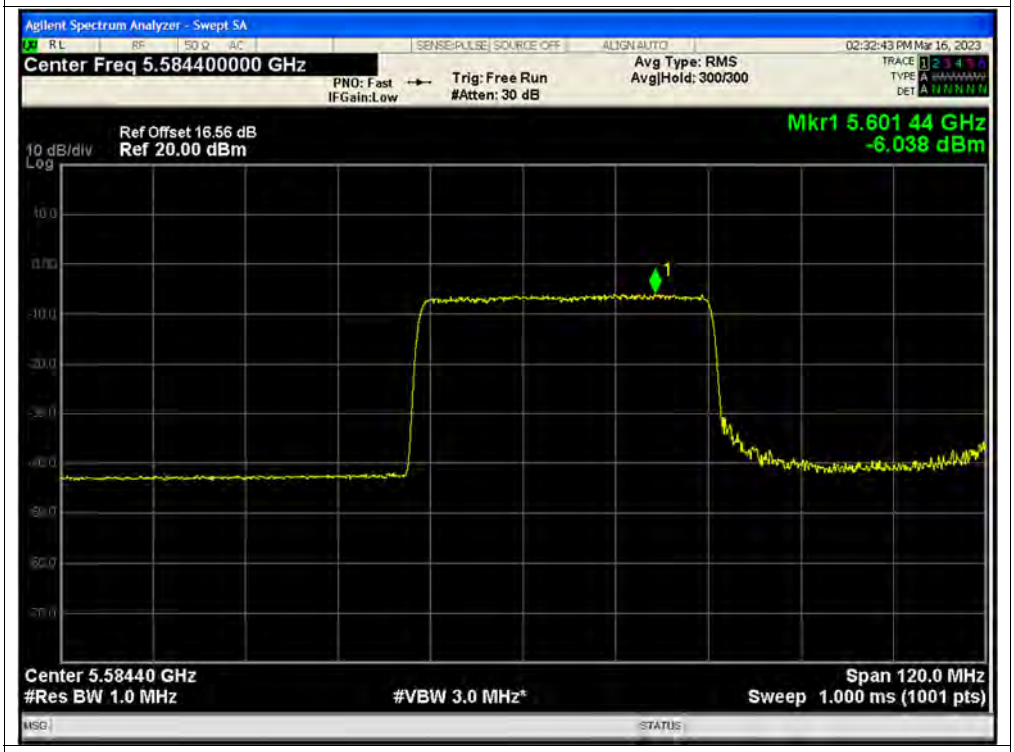


PSD NVNT ax80 484@65 5530MHz Ant1

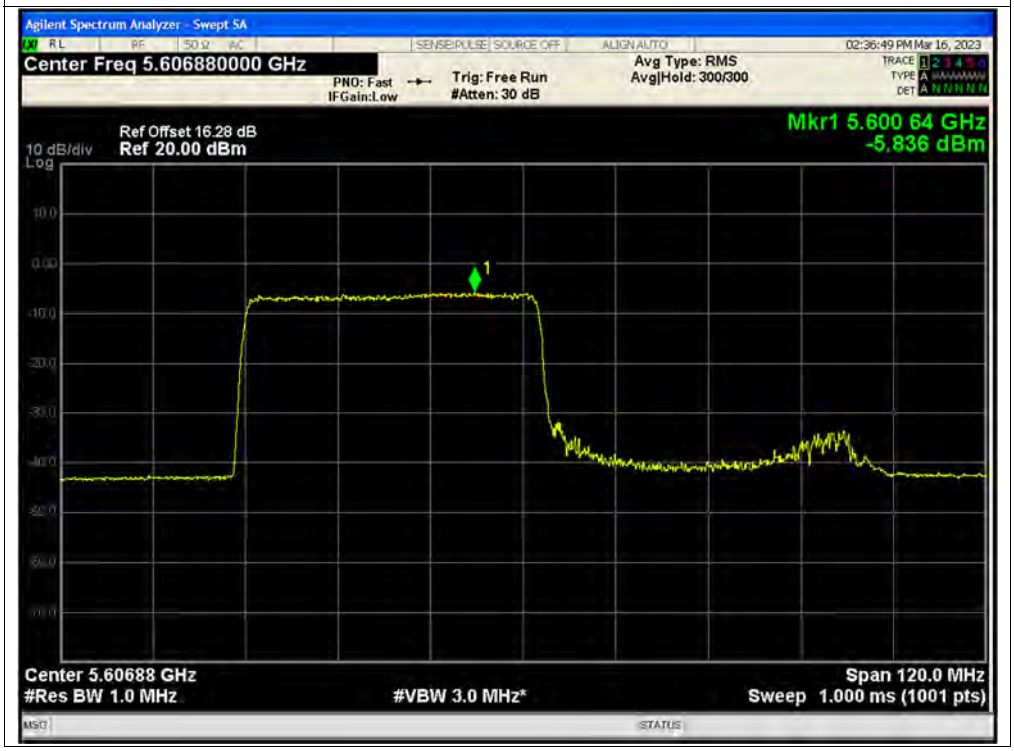


PSD NVNT ax80 484@65 5530MHz Ant2

PSD NVNT ax80 484@65 5610MHz Ant1



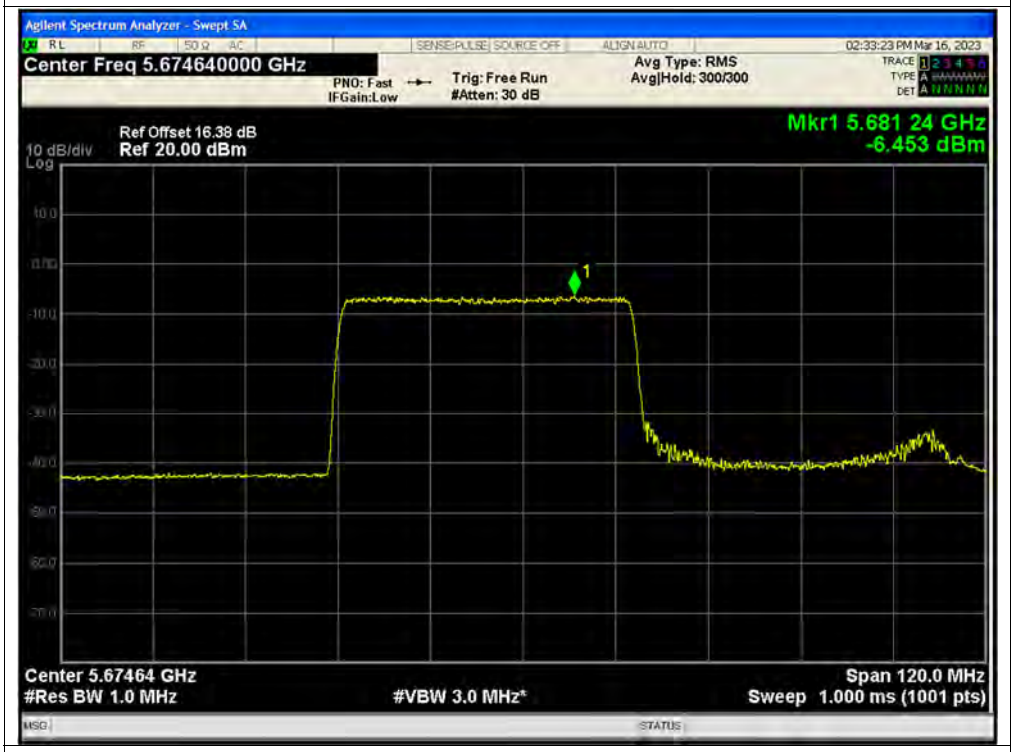
PSD NVNT ax80 484@65 5610MHz Ant2



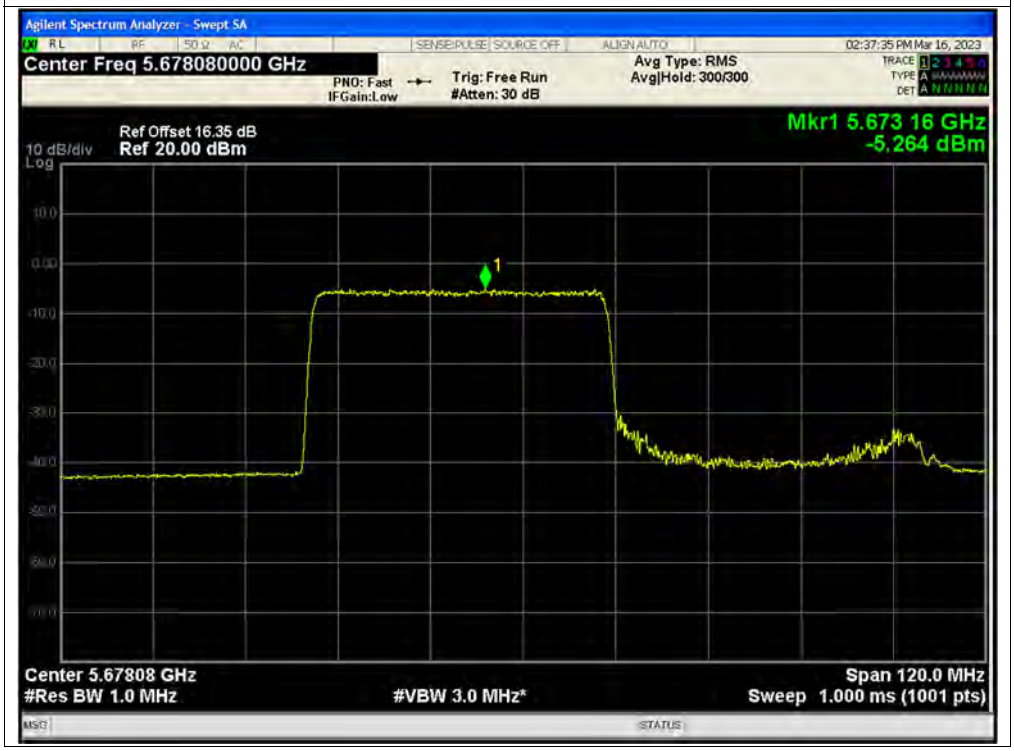
PSD NVNT ax80 484@65 5610MHz Ant1

PSD NVNT ax80 484@65 5610MHz Ant2

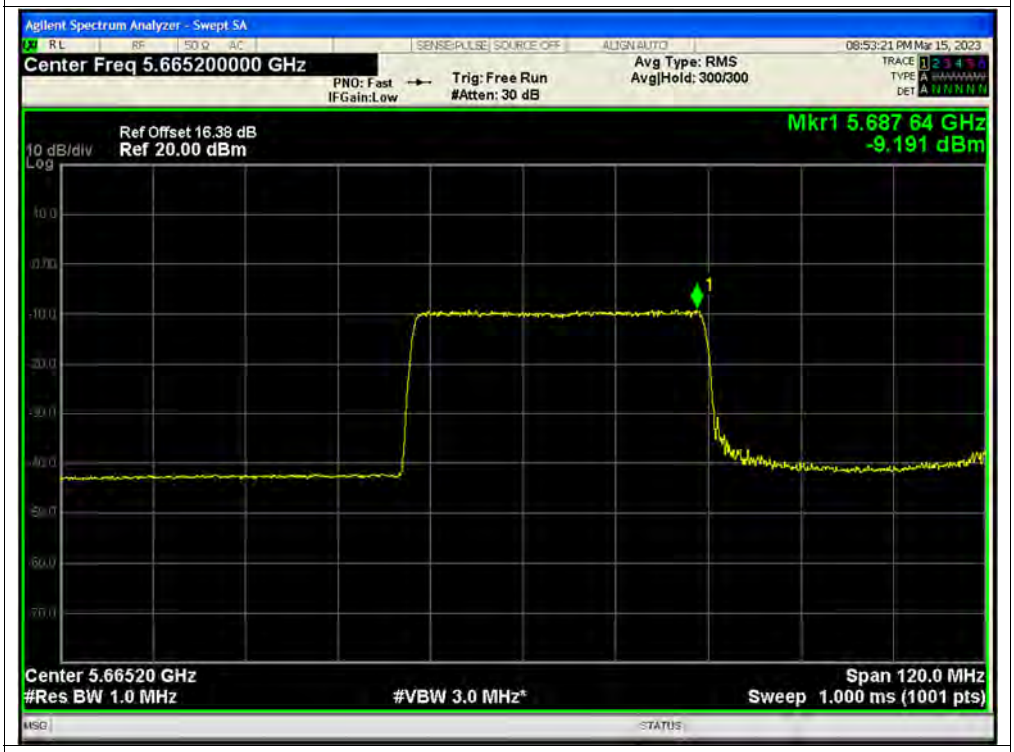
PSD NVNT ax80 484@65 5690MHz Ant1



PSD NVNT ax80 484@65 5690MHz Ant2

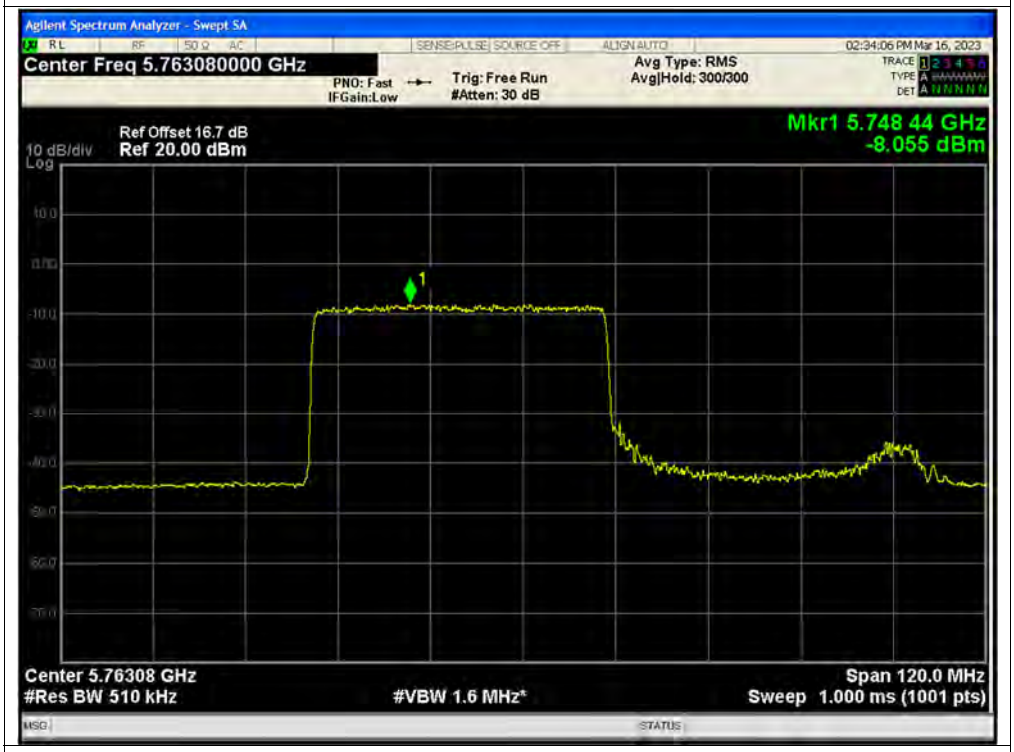


PSD NVNT ax80 484@65 5690MHz Ant1

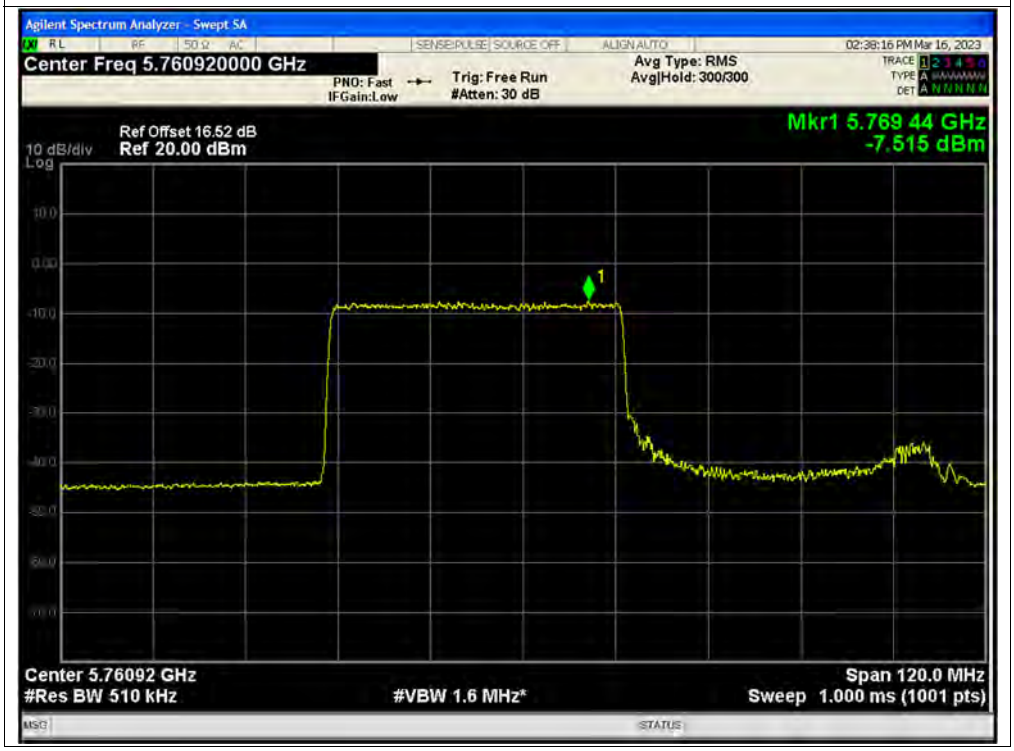


PSD NVNT ax80 484@65 5690MHz Ant2

PSD NVNT ax80 484@65 5775MHz Ant1



PSD NVNT ax80 484@65 5775MHz Ant2



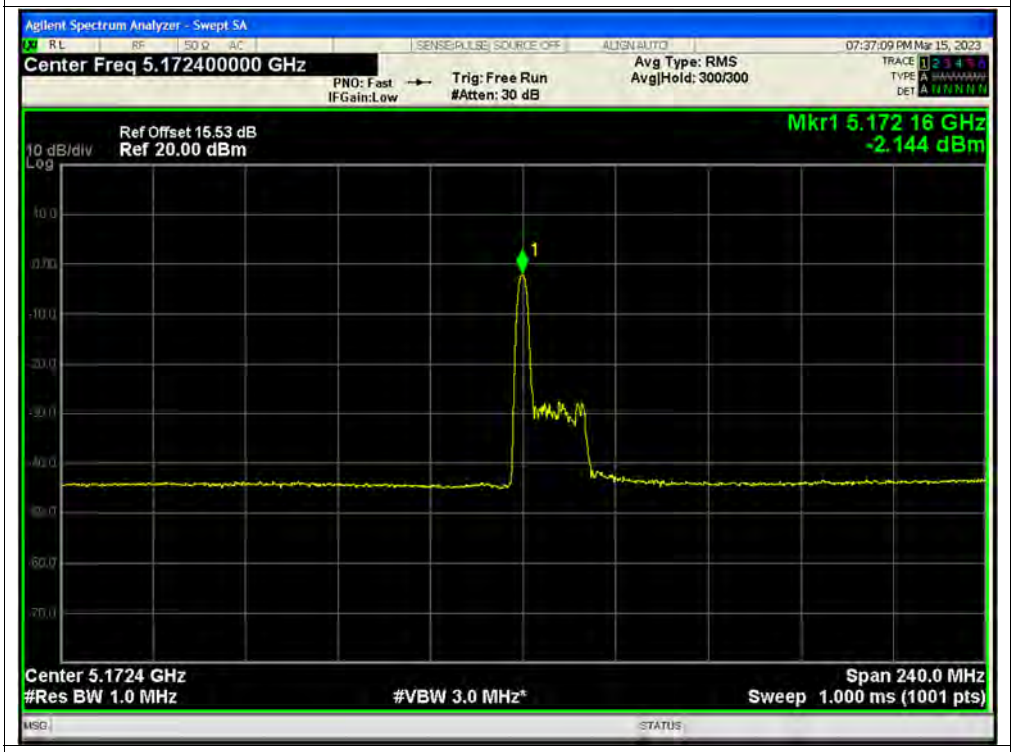
PSD NVNT ax80 484@65 5775MHz Ant1

PSD NVNT ax80 484@65 5775MHz Ant2

PSD NVNT ax160 26@0 5250MHz Ant1

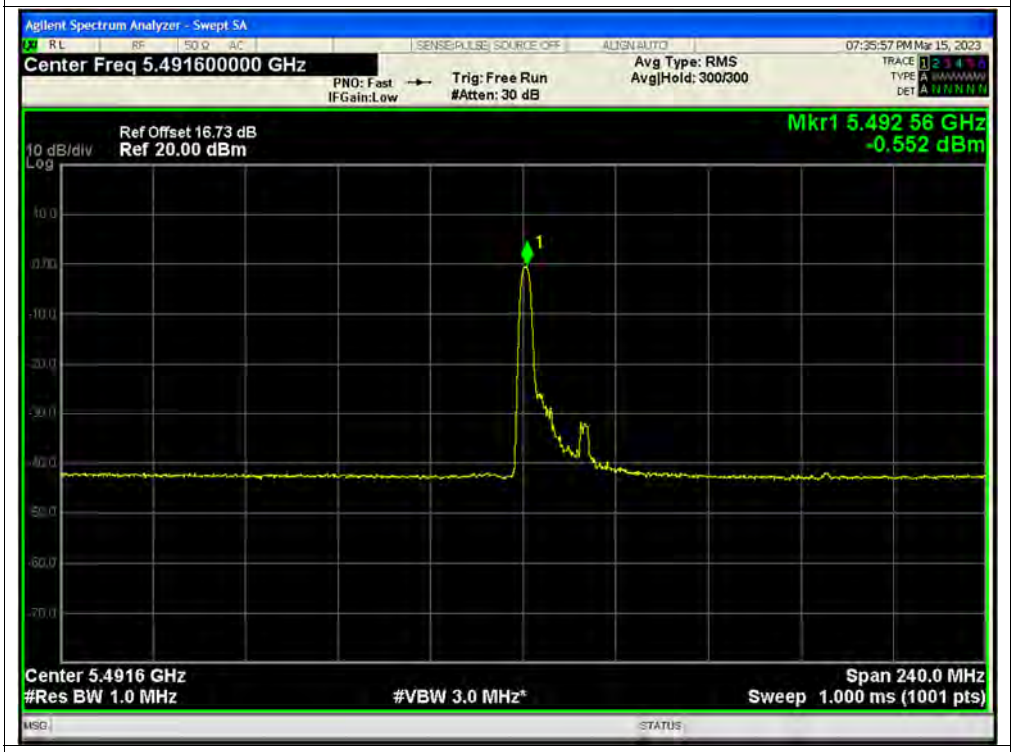
PSD NVNT ax160 26@0 5250MHz Ant2

PSD NVNT ax160 26@0 5250MHz Ant1

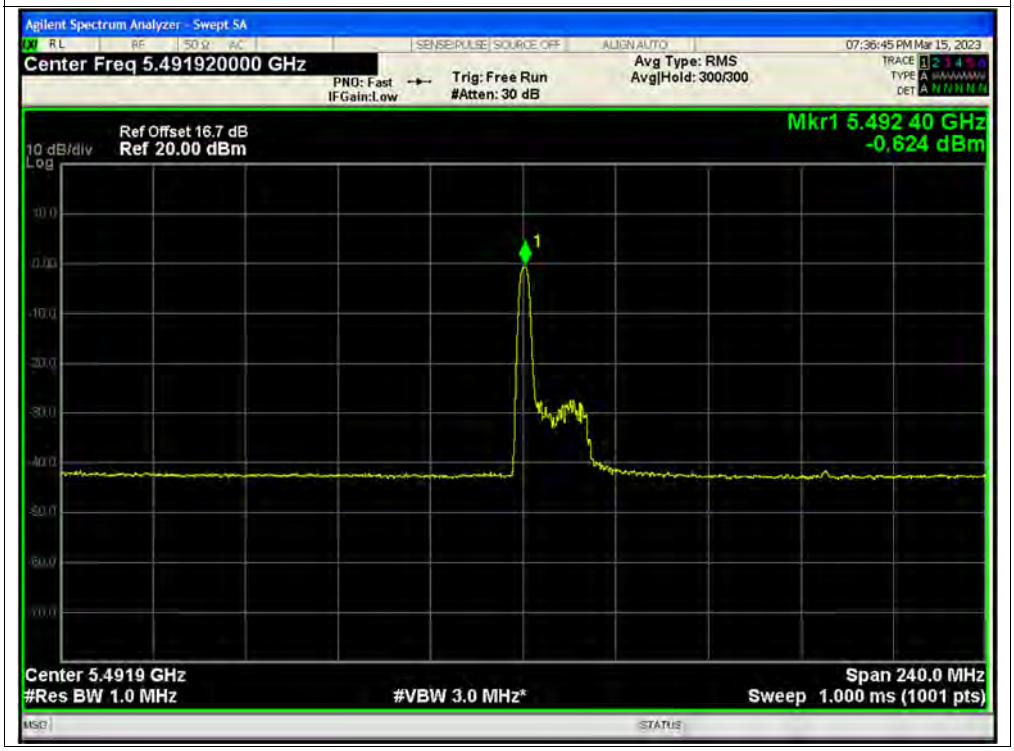


PSD NVNT ax160 26@0 5250MHz Ant2

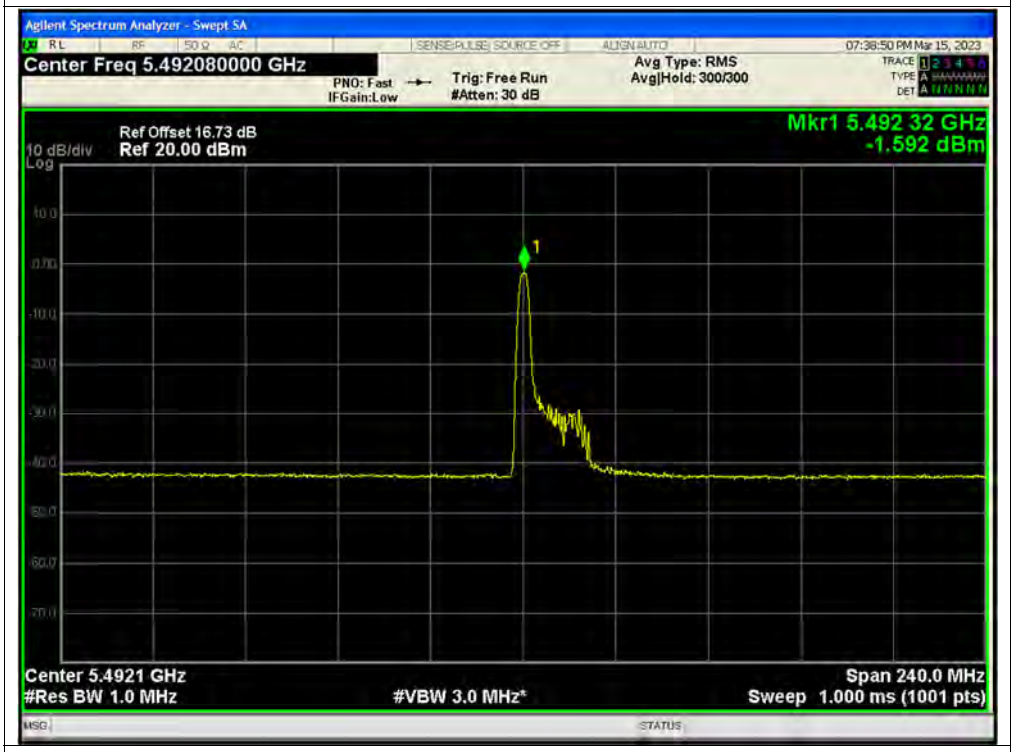
PSD NVNT ax160 26@0 5570MHz Ant1



PSD NVNT ax160 26@0 5570MHz Ant2



PSD NVNT ax160 26@0 5570MHz Ant1



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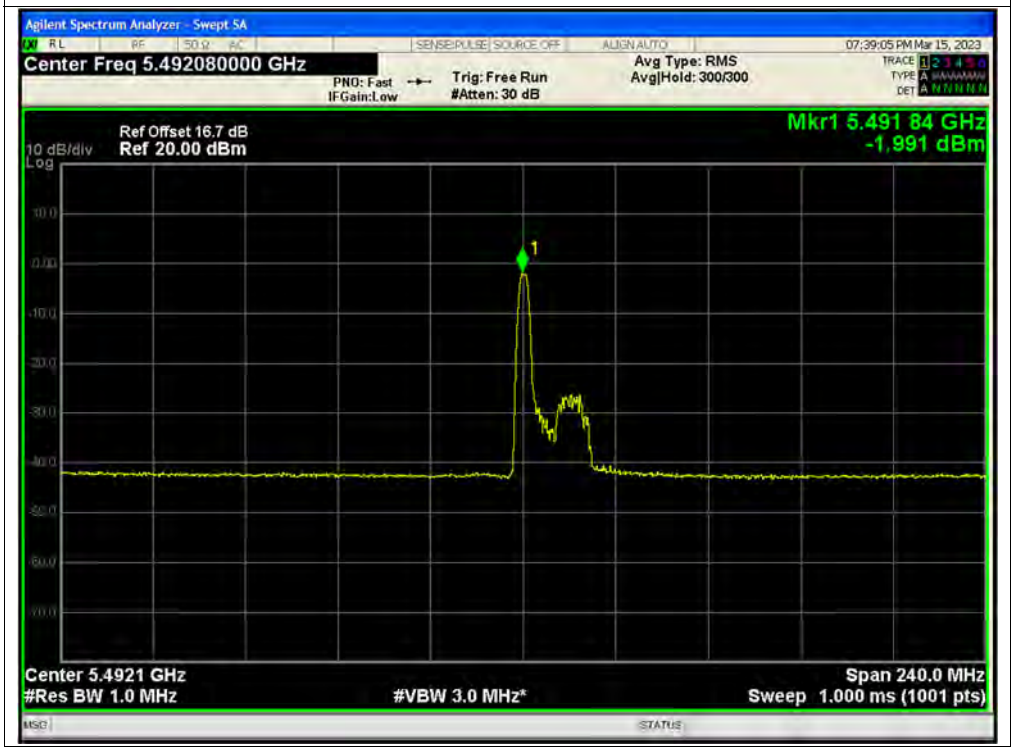
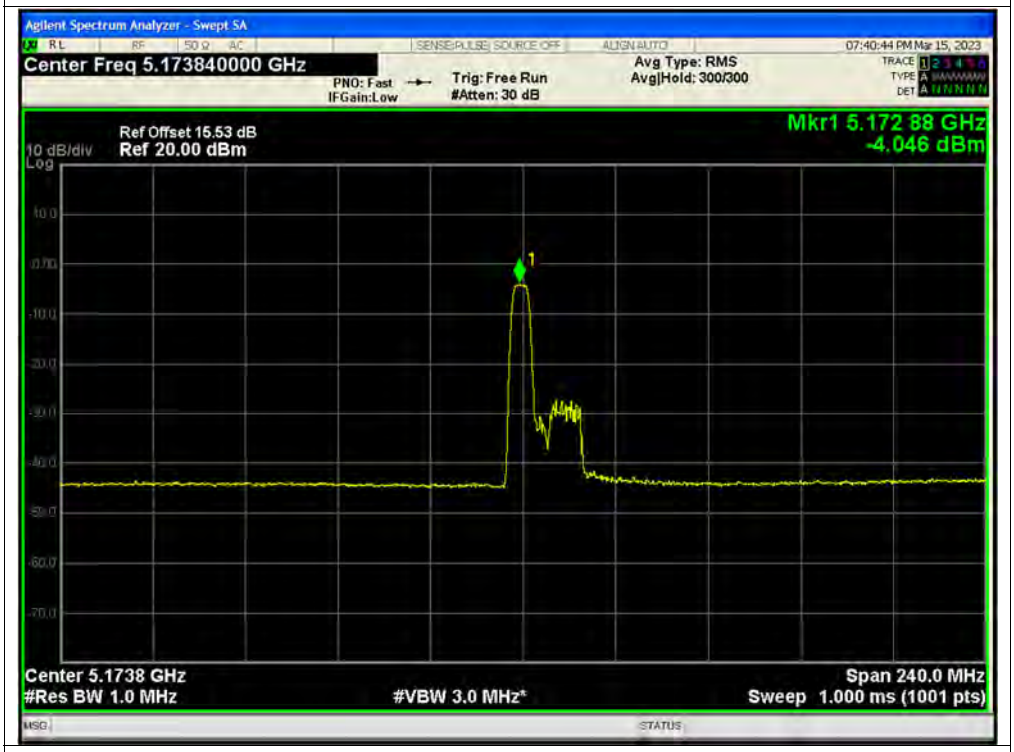


PSD NVNT ax160 52@37 5250MHz Ant1

PSD NVNT ax160 52@37 5250MHz Ant2

PSD NVNT ax160 52@37 5250MHz Ant1



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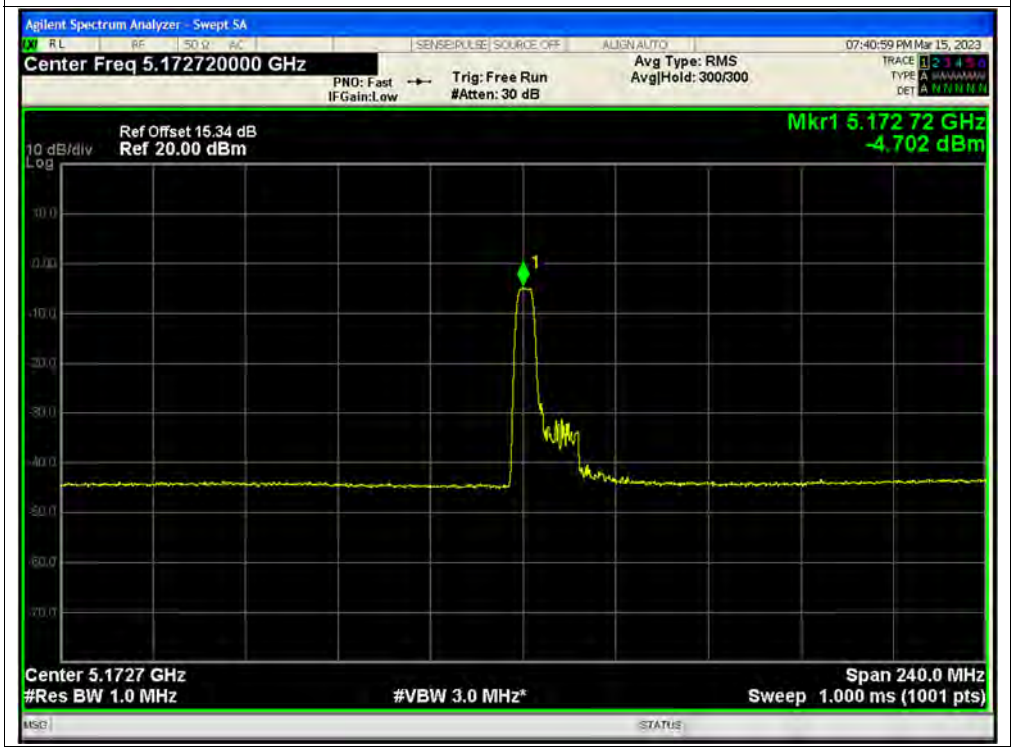
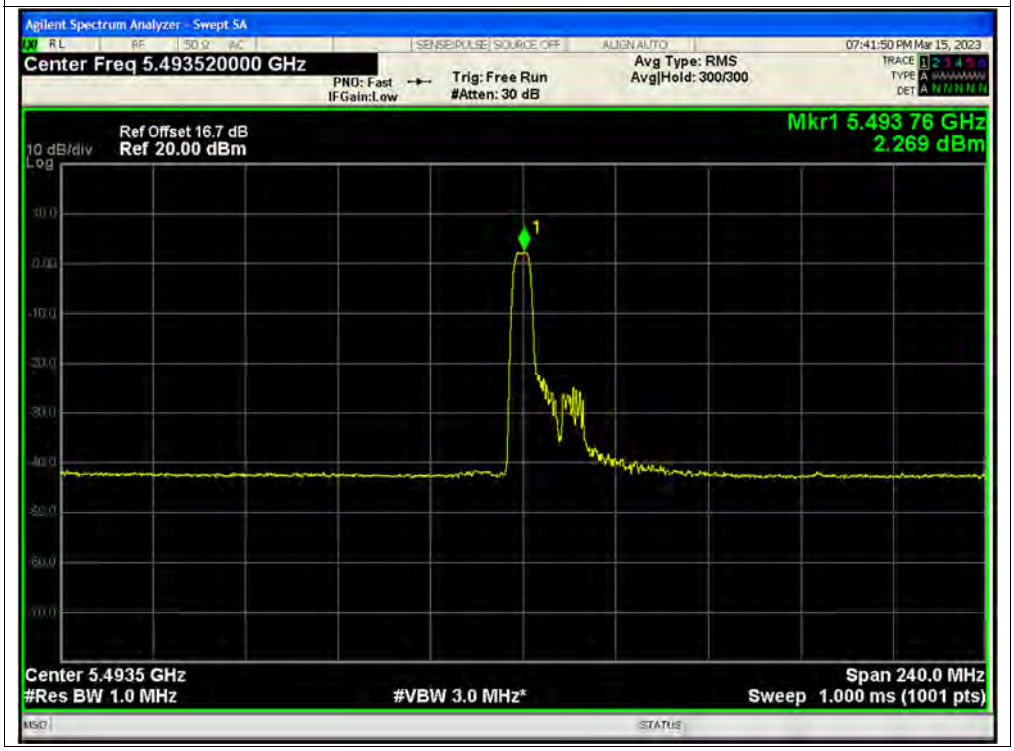
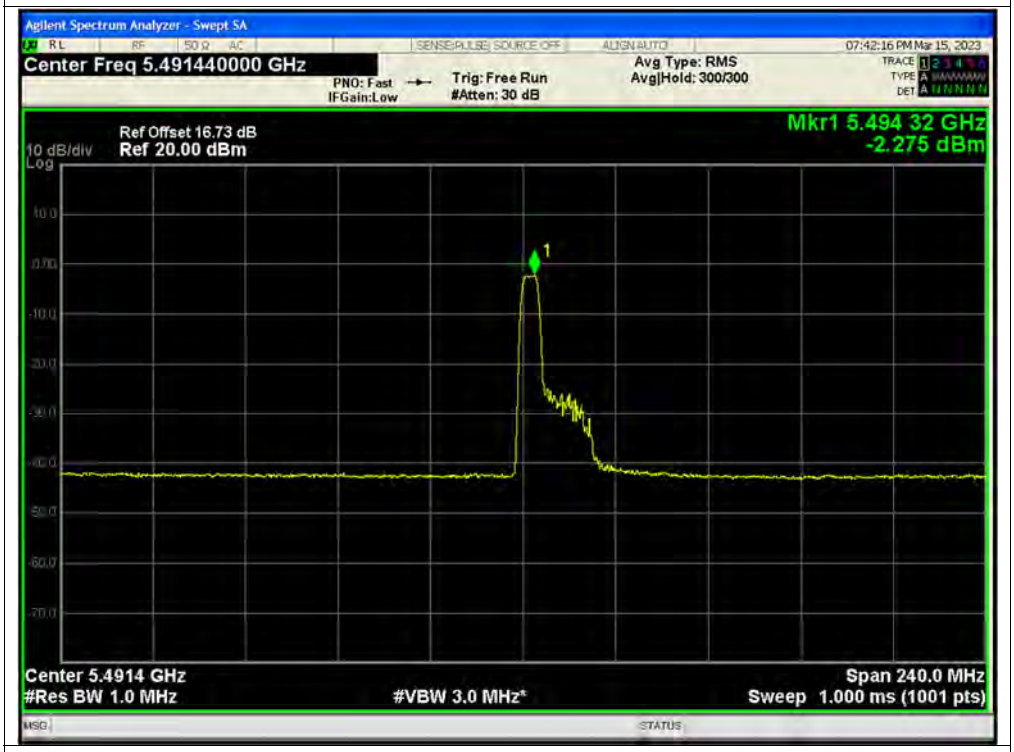


PSD NVNT ax160 52@37 5570MHz Ant1

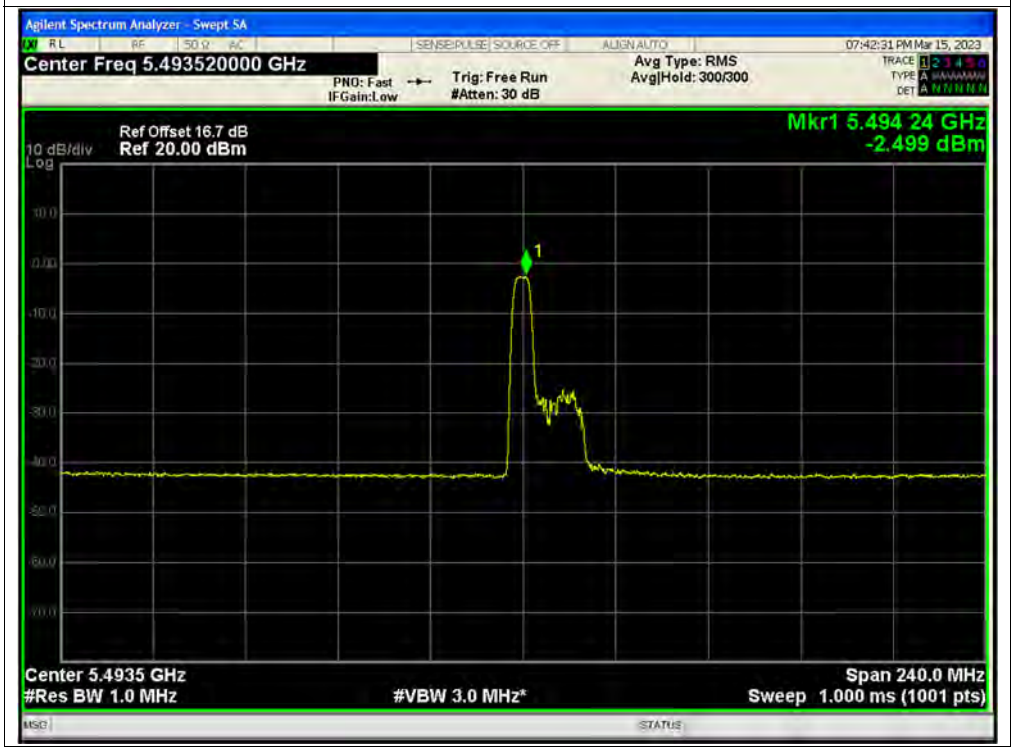
PSD NVNT ax160 52@37 5570MHz Ant2



PSD NVNT ax160 52@37 5570MHz Ant1



PSD NVNT ax160 52@37 5570MHz Ant2



PSD NVNT ax160 106@53 5250MHz Ant1

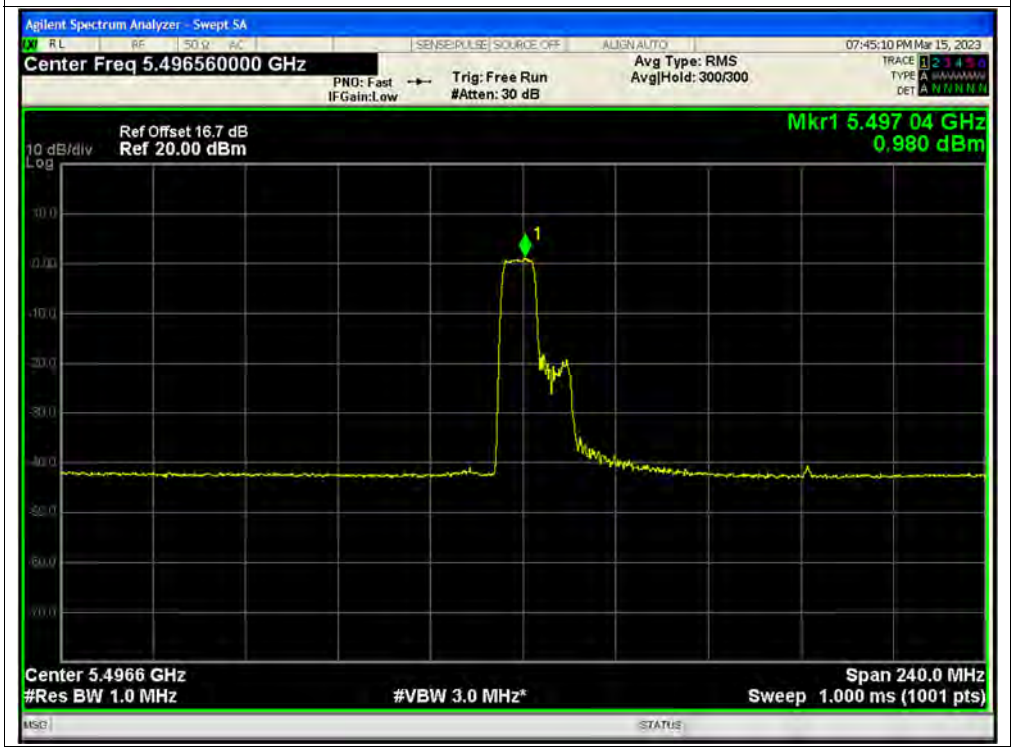
PSD NVNT ax160 106@53 5250MHz Ant2

PSD NVNT ax160 106@53 5250MHz Ant1

PSD NVNT ax160 106@53 5250MHz Ant2

PSD NVNT ax160 106@53 5570MHz Ant1

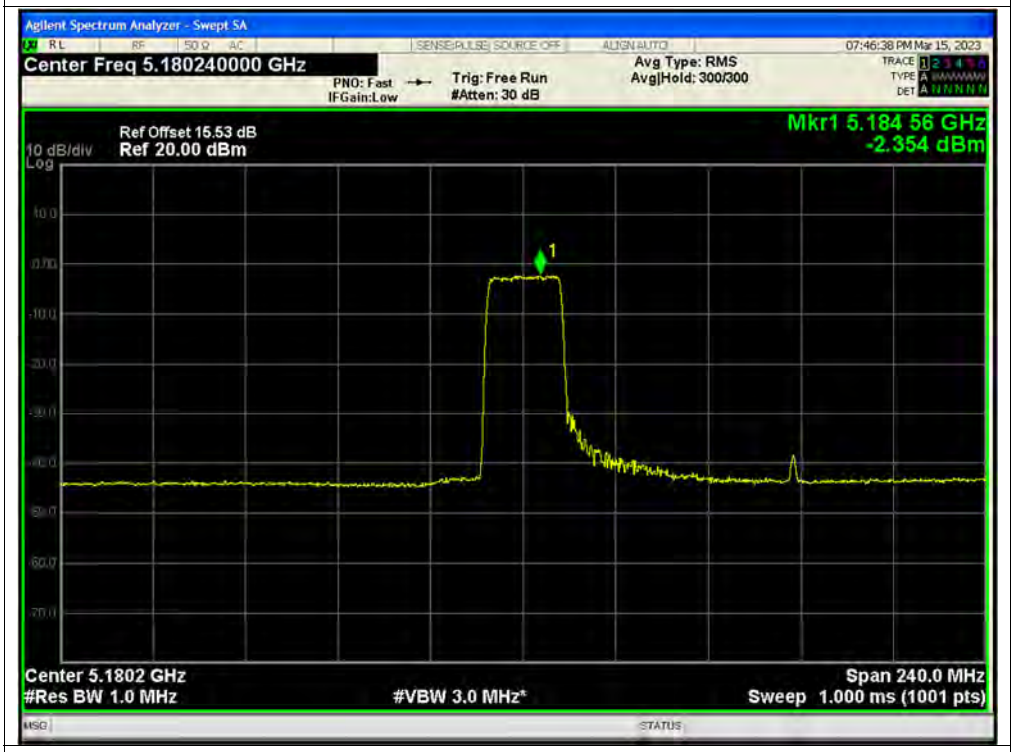
PSD NVNT ax160 106@53 5570MHz Ant2



PSD NVNT ax160 106@53 5570MHz Ant1

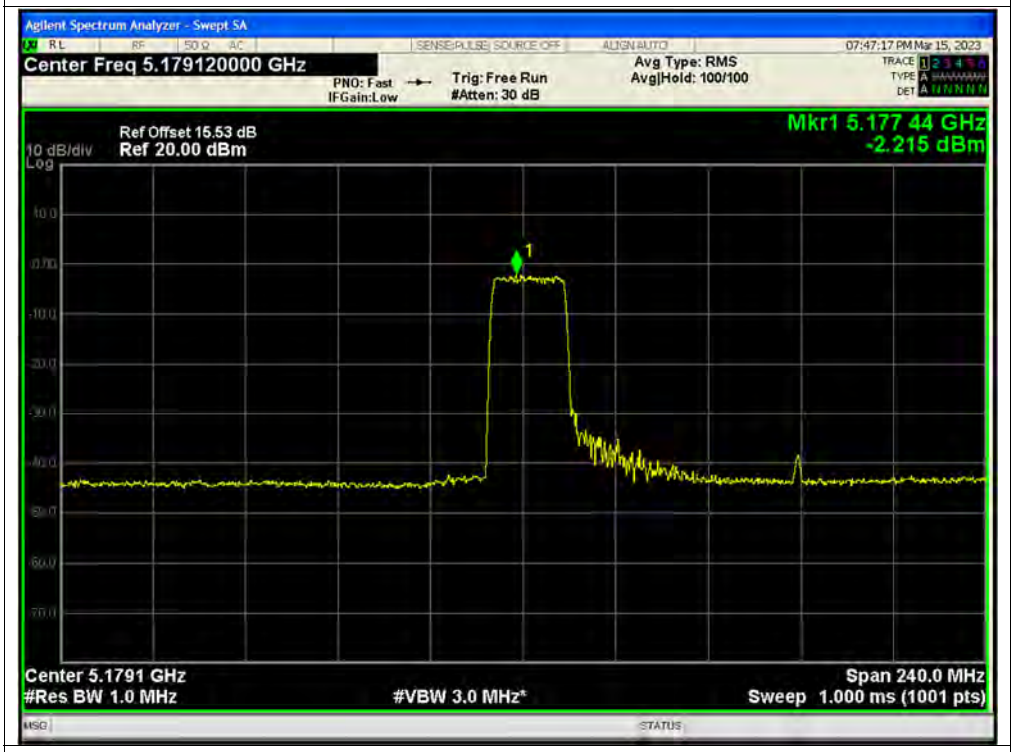
PSD NVNT ax160 106@53 5570MHz Ant2

PSD NVNT ax160 242@61 5250MHz Ant1

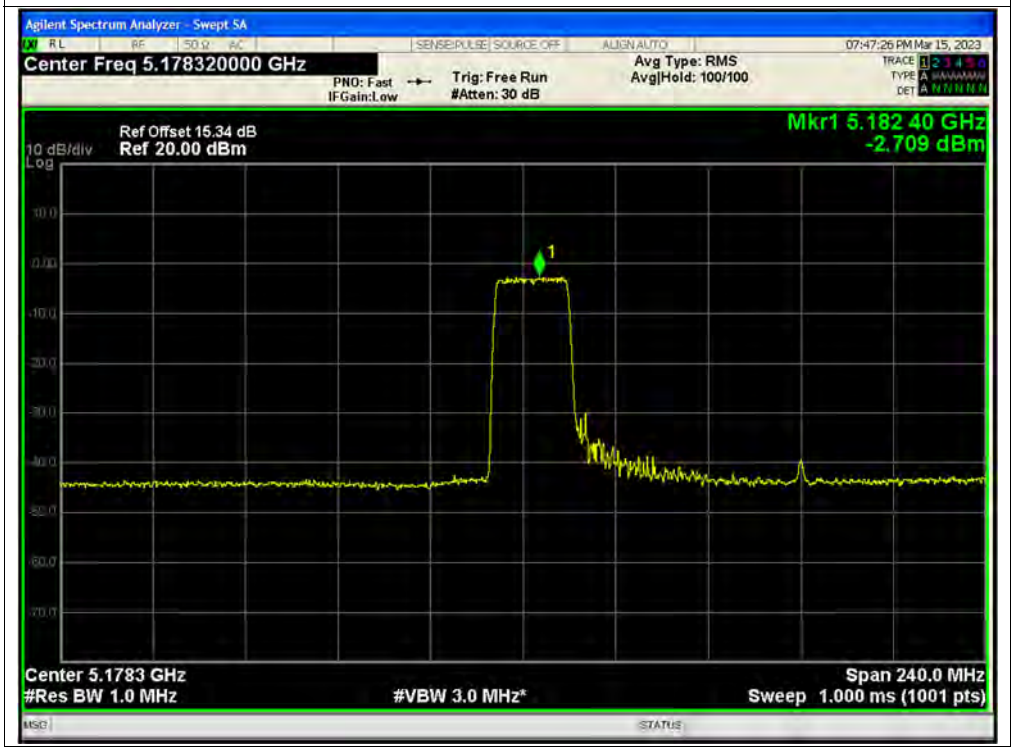


PSD NVNT ax160 242@61 5250MHz Ant2

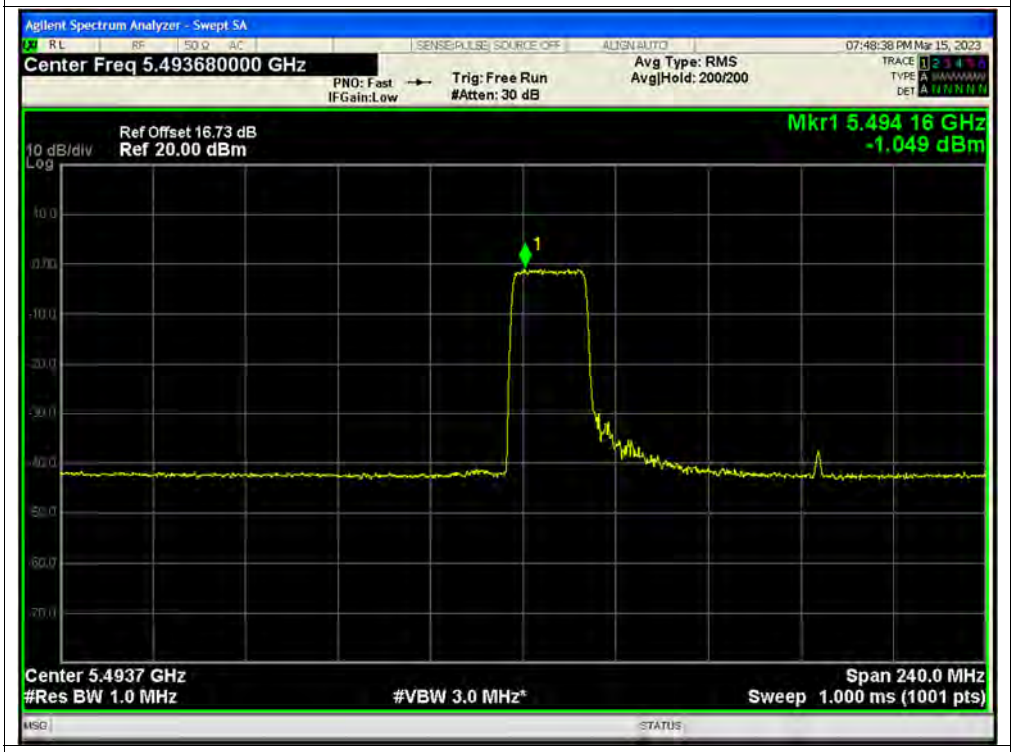
PSD NVNT ax160 242@61 5250MHz Ant1



PSD NVNT ax160 242@61 5250MHz Ant2

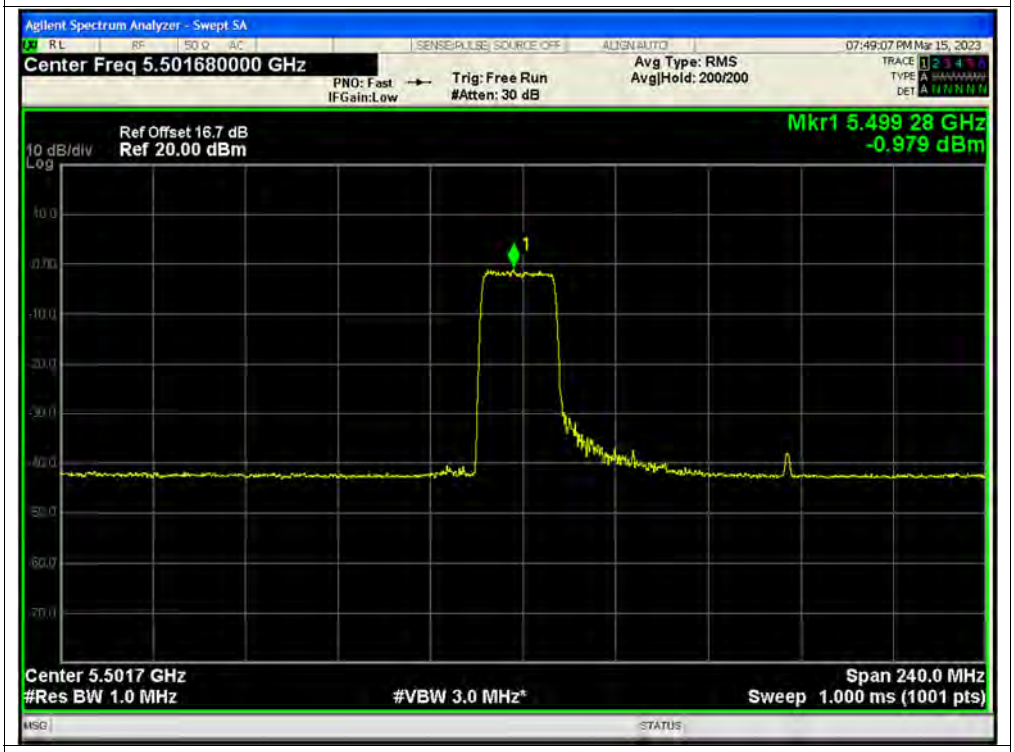


PSD NVNT ax160 242@61 5570MHz Ant1



PSD NVNT ax160 242@61 5570MHz Ant1

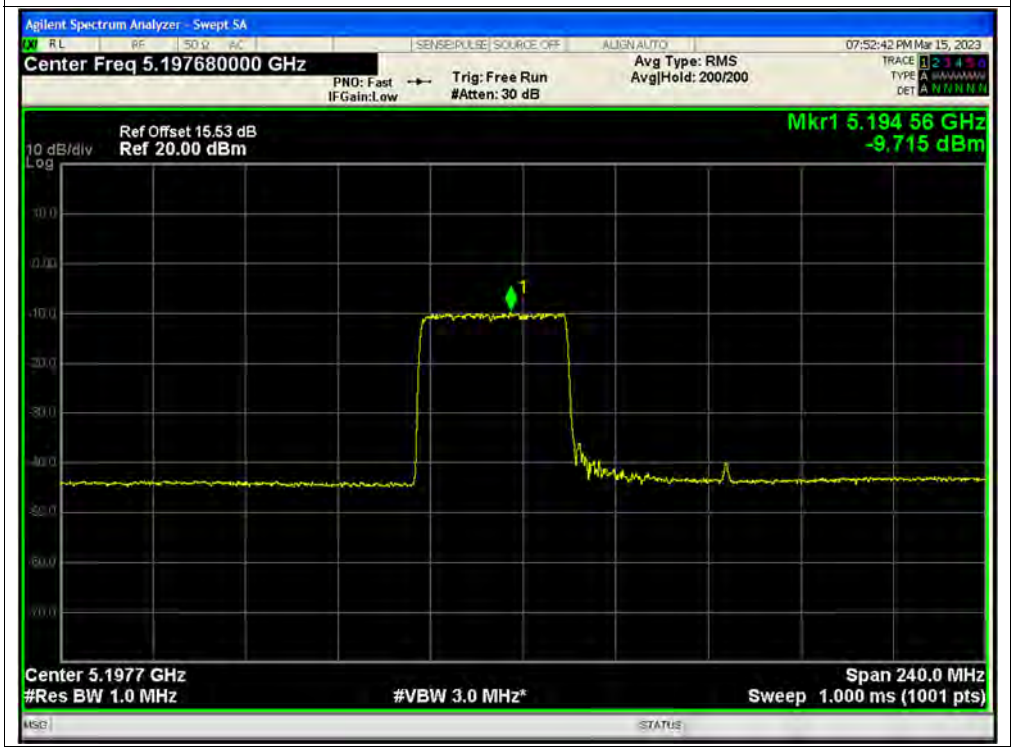
PSD NVNT ax160 242@61 5570MHz Ant2



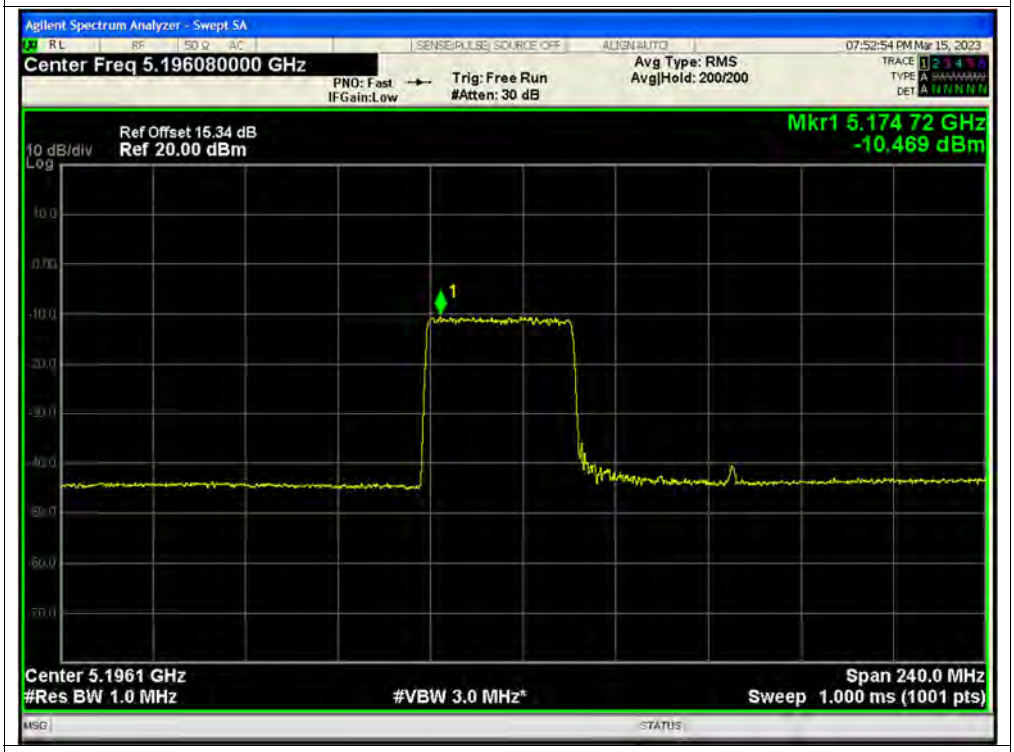
PSD NVNT ax160 484@65 5250MHz Ant1

PSD NVNT ax160 484@65 5250MHz Ant2

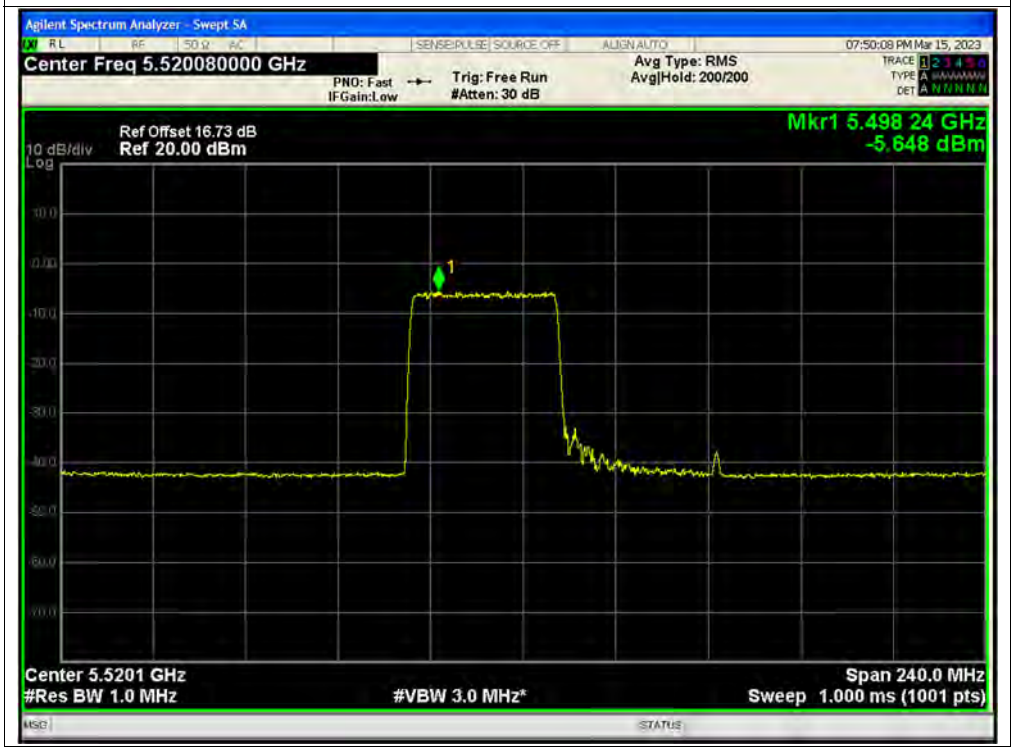
PSD NVNT ax160 484@65 5250MHz Ant1



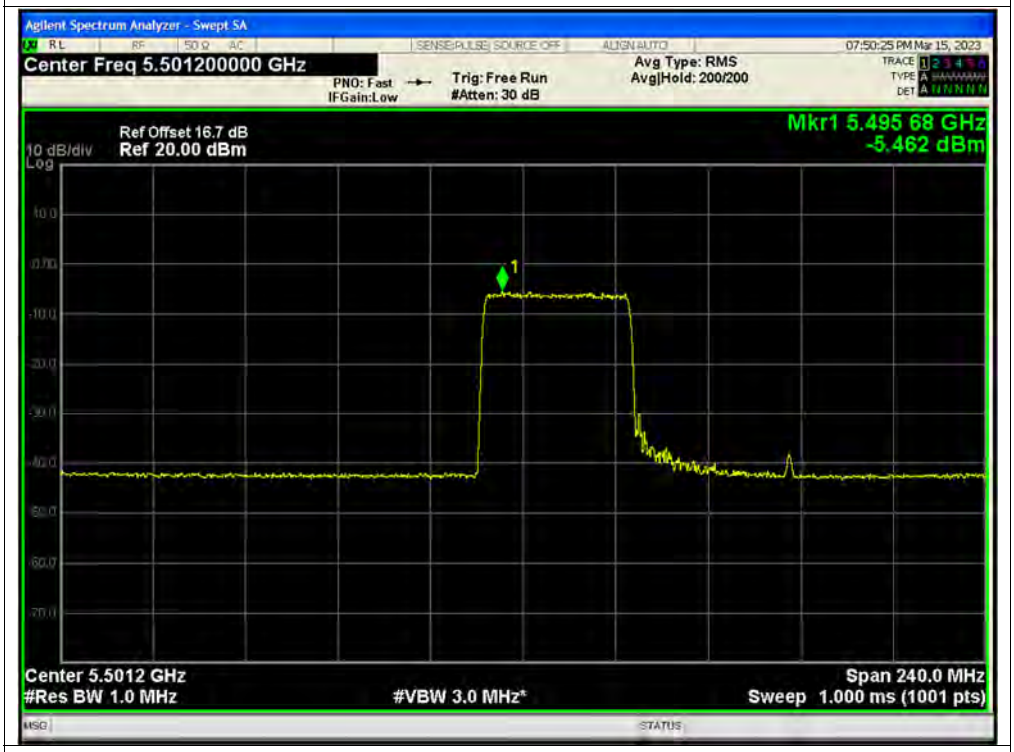
PSD NVNT ax160 484@65 5250MHz Ant2



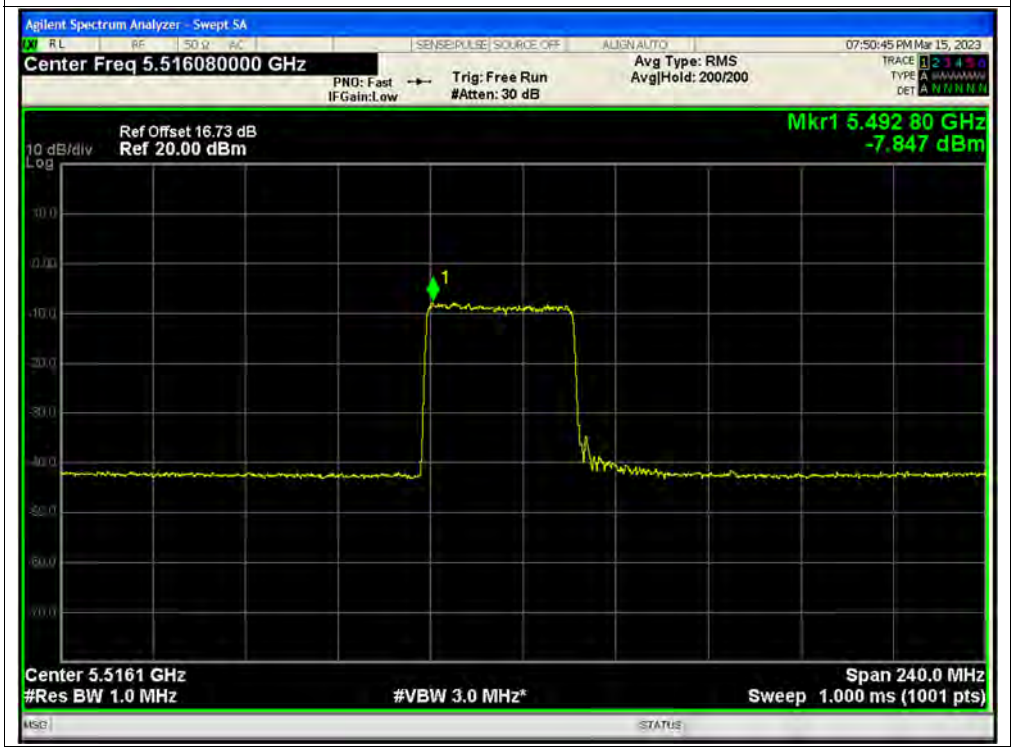
PSD NVNT ax160 484@65 5570MHz Ant1



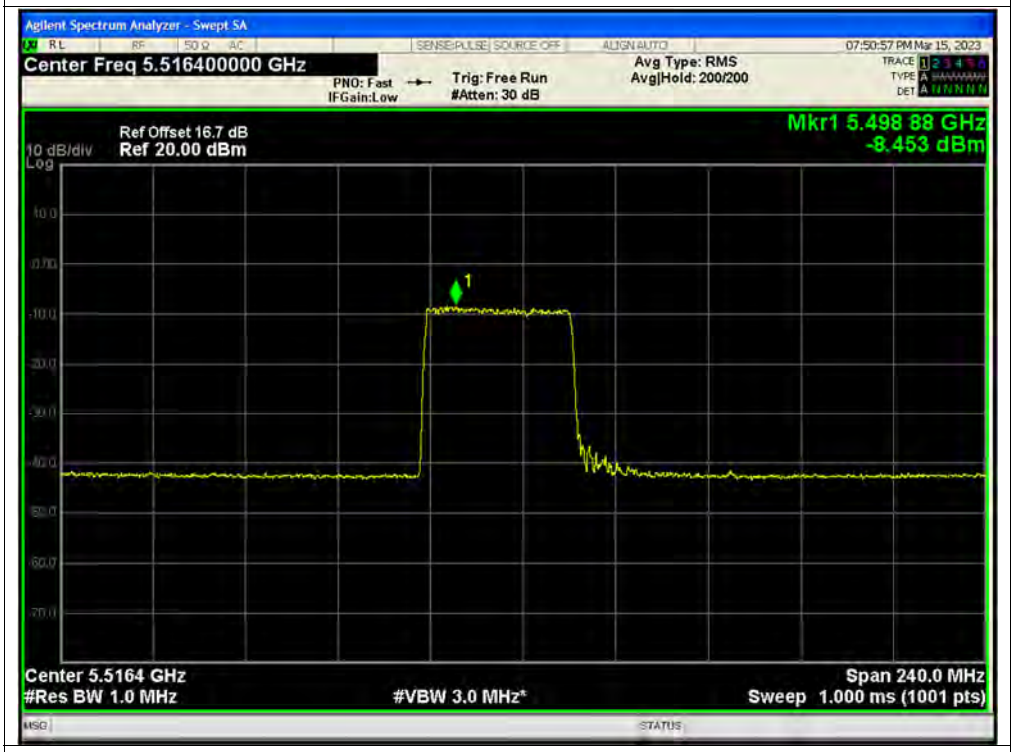
PSD NVNT ax160 484@65 5570MHz Ant2



PSD NVNT ax160 484@65 5570MHz Ant1



PSD NVNT ax160 484@65 5570MHz Ant2



PSD NVNT ax160 996@67 5250MHz Ant1

PSD NVNT ax160 996@67 5250MHz Ant2

PSD NVNT ax160 996@67 5250MHz Ant1

PSD NVNT ax160 996@67 5250MHz Ant2

PSD NVNT ax160 996@67 5570MHz Ant1

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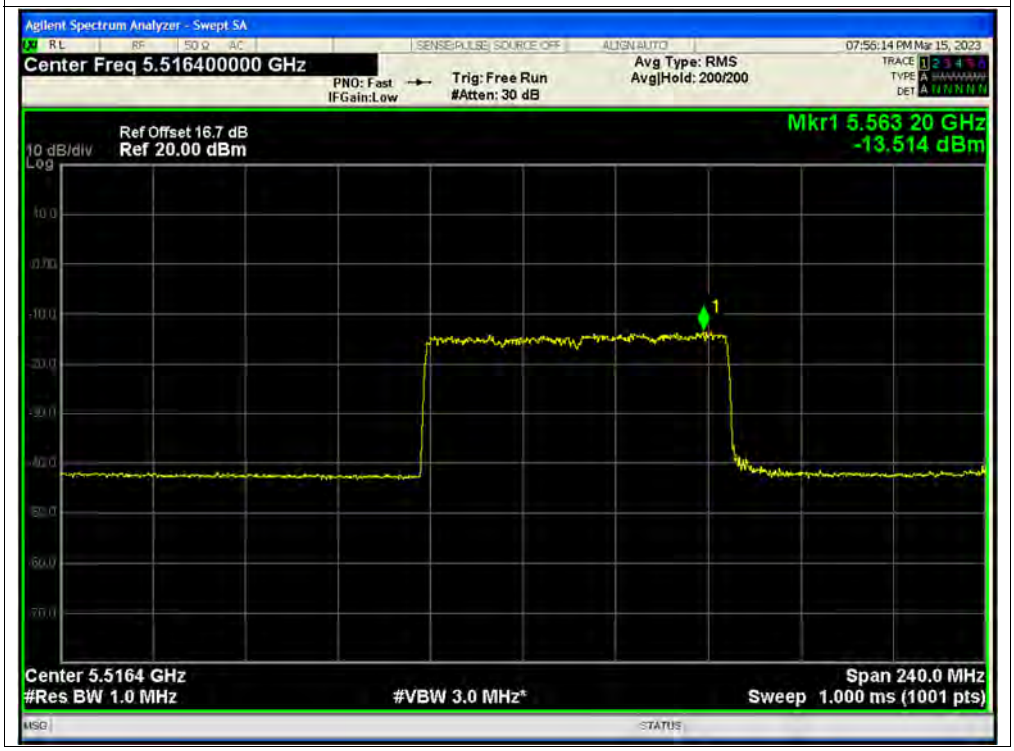
PSD NVNT ax160 996@67 5570MHz Ant2



A.5. Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.89V	a	5180	Ant0	5179.964	-36000	-6.95	25	Pass
20C 4.48V	a	5180	Ant0	5179.964	-36000	-6.95	25	Pass
20C 3.4V	a	5180	Ant0	5179.964	-36000	-6.95	25	Pass
-30C 3.89V	a	5180	Ant0	5179.964	-36000	-6.95	25	Pass
-20C 3.89V	a	5180	Ant0	5179.964	-36000	-6.95	25	Pass
-10C 3.89V	a	5180	Ant0	5179.964	-36000	-6.95	25	Pass
0C 3.89V	a	5180	Ant0	5179.964	-36000	-6.95	25	Pass
10C 3.89V	a	5180	Ant0	5179.964	-36000	-6.95	25	Pass
30C 3.89V	a	5180	Ant0	5179.964	-36000	-6.95	25	Pass
40C 3.89V	a	5180	Ant0	5179.964	-36000	-6.95	25	Pass
50C 3.89V	a	5180	Ant0	5179.964	-36000	-6.95	25	Pass
20C 3.89V	a	5260	Ant0	5259.964	-36000	-6.84	25	Pass
20C 4.48V	a	5260	Ant0	5259.964	-36000	-6.84	25	Pass
20C 3.4V	a	5260	Ant0	5259.964	-36000	-6.84	25	Pass
-30C 3.89V	a	5260	Ant0	5259.964	-36000	-6.84	25	Pass
-20C 3.89V	a	5260	Ant0	5259.964	-36000	-6.84	25	Pass
-10C 3.89V	a	5260	Ant0	5259.964	-36000	-6.84	25	Pass
0C 3.89V	a	5260	Ant0	5259.964	-36000	-6.84	25	Pass
10C 3.89V	a	5260	Ant0	5259.964	-36000	-6.84	25	Pass
20C 3.89V	a	5260	Ant0	5259.964	-36000	-6.84	25	Pass
30C 3.89V	a	5260	Ant0	5259.964	-36000	-6.84	25	Pass
40C 3.89V	a	5260	Ant0	5259.964	-36000	-6.84	25	Pass
50C3.89V	a	5260	Ant0	5259.964	-36000	-6.84	25	Pass
20C 3.89V	a	5500	Ant0	5499.963	-37000	-6.73	25	Pass
20C 4.48V	a	5500	Ant0	5499.963	-37000	-6.73	25	Pass
20C 3.4V	a	5500	Ant0	5499.963	-37000	-6.73	25	Pass
-30C 3.89V	a	5500	Ant0	5499.963	-37000	-6.73	25	Pass
-20C 3.89V	a	5500	Ant0	5499.962	-38000	-6.91	25	Pass
-10C 3.89V	a	5500	Ant0	5499.962	-38000	-6.91	25	Pass
0C 3.89V	a	5500	Ant0	5499.962	-38000	-6.91	25	Pass
10C 3.89V	a	5500	Ant0	5499.962	-38000	-6.91	25	Pass
20C 3.89V	a	5500	Ant0	5499.962	-38000	-6.91	25	Pass
30C 3.89V	a	5500	Ant0	5499.962	-38000	-6.91	25	Pass
40C 3.89V	a	5500	Ant0	5499.962	-38000	-6.91	25	Pass

50C 3.89V	a	5500	Ant0	5499.962	-38000	-6.91	25	Pass
20C 3.89V	a	5745	Ant0	5744.962	-38000	-6.61	25	Pass
20C 4.48V	a	5745	Ant0	5744.962	-38000	-6.61	25	Pass
20C 3.4V	a	5745	Ant0	5744.961	-39000	-6.79	25	Pass

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.89V	a	5180	Ant1	5179.968	-32000	-6.18	25	Pass
20C 4.48V	a	5180	Ant1	5179.968	-32000	-6.18	25	Pass
20C 3.4V	a	5180	Ant1	5179.967	-33000	-6.37	25	Pass
-30C 3.89V	a	5180	Ant1	5179.967	-33000	-6.37	25	Pass
-20C 3.89V	a	5180	Ant1	5179.966	-34000	-6.56	25	Pass
-10C 3.89V	a	5180	Ant1	5179.966	-34000	-6.56	25	Pass
0C 3.89V	a	5180	Ant1	5179.966	-34000	-6.56	25	Pass
10C 3.89V	a	5180	Ant1	5179.966	-34000	-6.56	25	Pass
20C 3.89V	a	5180	Ant1	5179.966	-34000	-6.56	25	Pass
30C 3.89V	a	5180	Ant1	5179.966	-34000	-6.56	25	Pass
40C 3.89V	a	5180	Ant1	5179.965	-35000	-6.76	25	Pass
50C 3.89V	a	5180	Ant1	5179.965	-35000	-6.76	25	Pass
20C 3.89V	a	5260	Ant1	5259.965	-35000	-6.65	25	Pass
20C 4.48V	a	5260	Ant1	5259.965	-35000	-6.65	25	Pass
20C 3.4V	a	5260	Ant1	5259.965	-35000	-6.65	25	Pass
-30C 3.89V	a	5260	Ant1	5259.965	-35000	-6.65	25	Pass
-20C 3.89V	a	5260	Ant1	5259.965	-35000	-6.65	25	Pass
-10C 3.89V	a	5260	Ant1	5259.964	-36000	-6.84	25	Pass
0C 3.89V	a	5260	Ant1	5259.964	-36000	-6.84	25	Pass
10C 3.89V	a	5260	Ant1	5259.964	-36000	-6.84	25	Pass
20C 3.89V	a	5260	Ant1	5259.964	-36000	-6.84	25	Pass
30C 3.89V	a	5260	Ant1	5259.964	-36000	-6.84	25	Pass
40C 3.89V	a	5260	Ant1	5259.964	-36000	-6.84	25	Pass
50C 3.89V	a	5260	Ant1	5259.964	-36000	-6.84	25	Pass
20C 3.89V	a	5500	Ant1	5499.964	-36000	-6.55	25	Pass
20C 4.48V	a	5500	Ant1	5499.963	-37000	-6.73	25	Pass
20C 3.4V	a	5500	Ant1	5499.963	-37000	-6.73	25	Pass
-30C 3.89V	a	5500	Ant1	5499.963	-37000	-6.73	25	Pass

-20C 3.89V	a	5500	Ant1	5499.963	-37000	-6.73	25	Pass
-10C 3.89V	a	5500	Ant1	5499.963	-37000	-6.73	25	Pass
0C 3.89V	a	5500	Ant1	5499.963	-37000	-6.73	25	Pass
10C 3.89V	a	5500	Ant1	5499.963	-37000	-6.73	25	Pass
20C 3.89V	a	5500	Ant1	5499.962	-38000	-6.91	25	Pass
30C 3.89V	a	5500	Ant1	5499.962	-38000	-6.91	25	Pass
40C 3.89V	a	5500	Ant1	5499.962	-38000	-6.91	25	Pass
50C 3.89V	a	5500	Ant1	5499.962	-38000	-6.91	25	Pass
20C 3.89V	a	5745	Ant1	5744.962	-38000	-6.61	25	Pass
20C 4.48V	a	5745	Ant1	5744.961	-39000	-6.79	25	Pass
20C 3.4V	a	5745	Ant1	5744.961	-39000	-6.79	25	Pass
-30C 3.89V	a	5745	Ant1	5744.961	-39000	-6.79	25	Pass
-20C 3.89V	a	5745	Ant1	5744.961	-39000	-6.79	25	Pass
-10C 3.89V	a	5745	Ant1	5744.961	-39000	-6.79	25	Pass
0C 3.89V	a	5745	Ant1	5744.961	-39000	-6.79	25	Pass
10C 3.89V	a	5745	Ant1	5744.961	-39000	-6.79	25	Pass
20C 3.89V	a	5745	Ant1	5744.961	-39000	-6.79	25	Pass
30C 3.89V	a	5745	Ant1	5744.961	-39000	-6.79	25	Pass
40C 3.89V	a	5745	Ant1	5744.96	-40000	-6.96	25	Pass
50C 3.89V	a	5745	Ant1	5744.96	-40000	-6.96	25	Pass

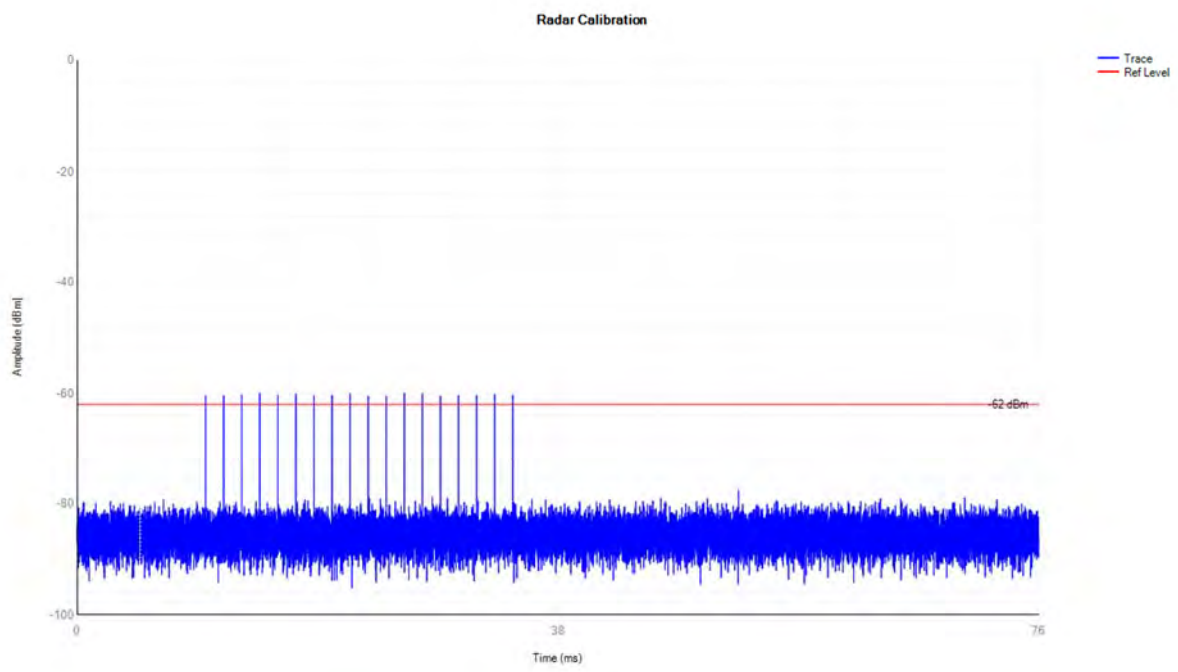
A.6. Dynamic Frequency Selection

Chain 0:

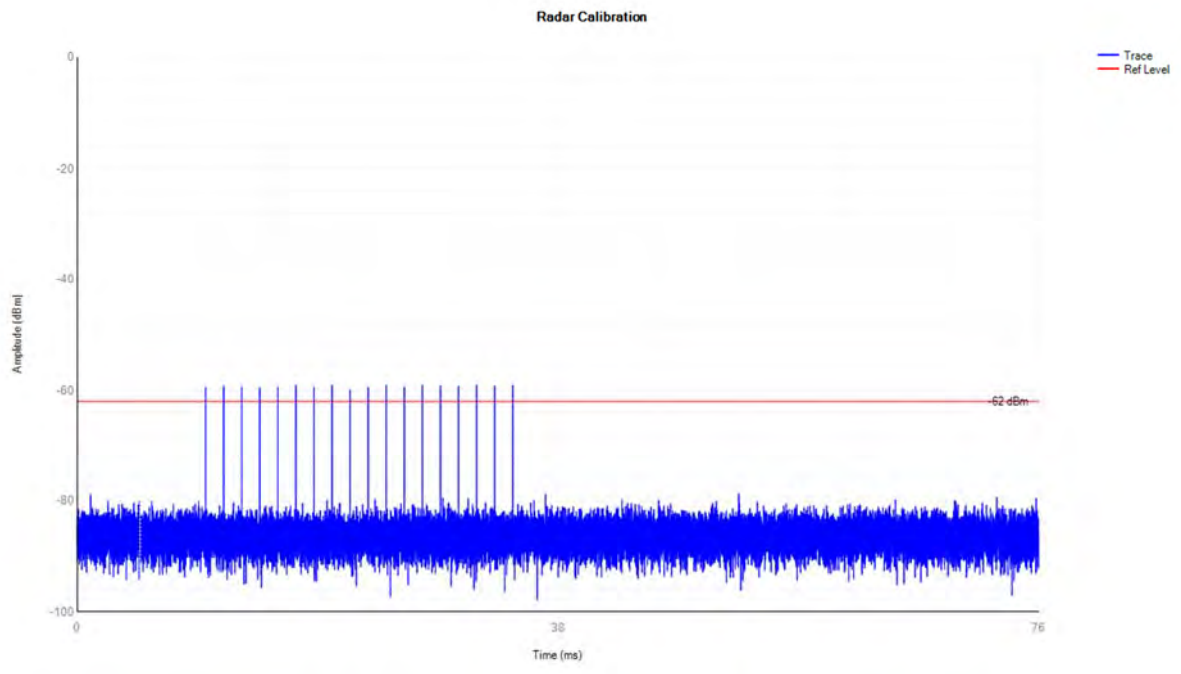
Detection Thresholds

Mode	Frequency (MHz)	Type	Result	Verdict
a	5320	DFS_FCC_T0	See test Graph	Pass
a	5500	DFS_FCC_T0	See test Graph	Pass
ac80	5290	DFS_FCC_T0	See test Graph	Pass
ac80	5530	DFS_FCC_T0	See test Graph	Pass
ax160	5250	DFS_FCC_T0	See test Graph	Pass
ax160	5570	DFS_FCC_T0	See test Graph	Pass

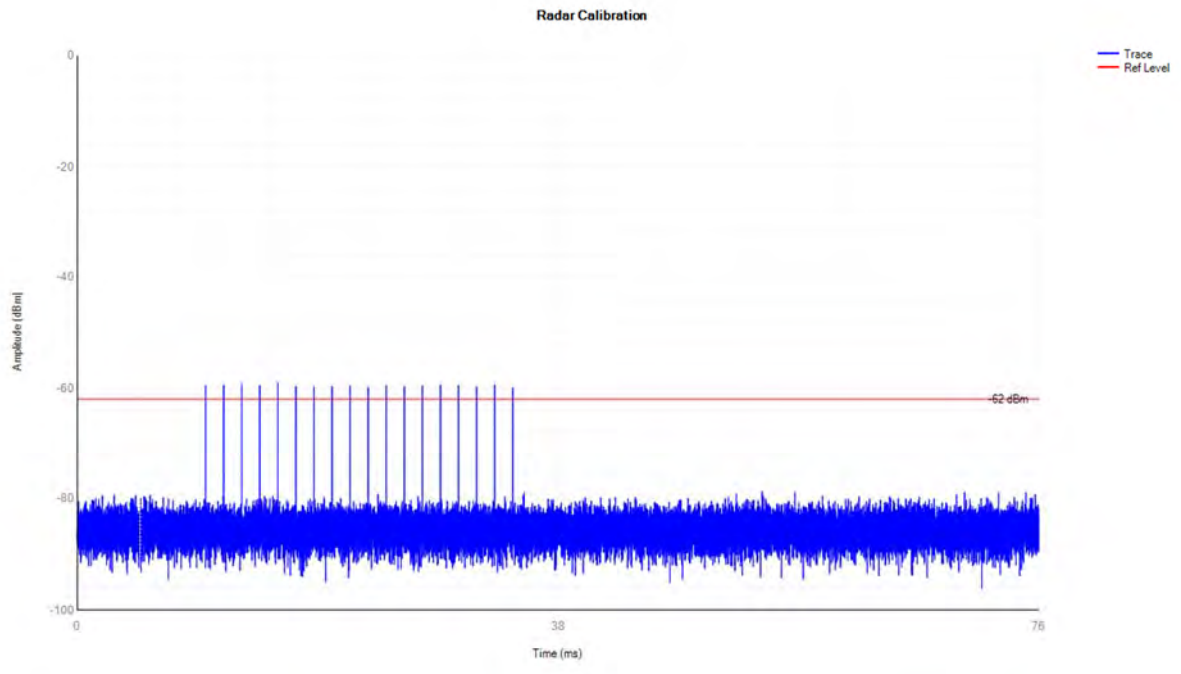
Test Graphs
5320MHz DFS_FCC_T0



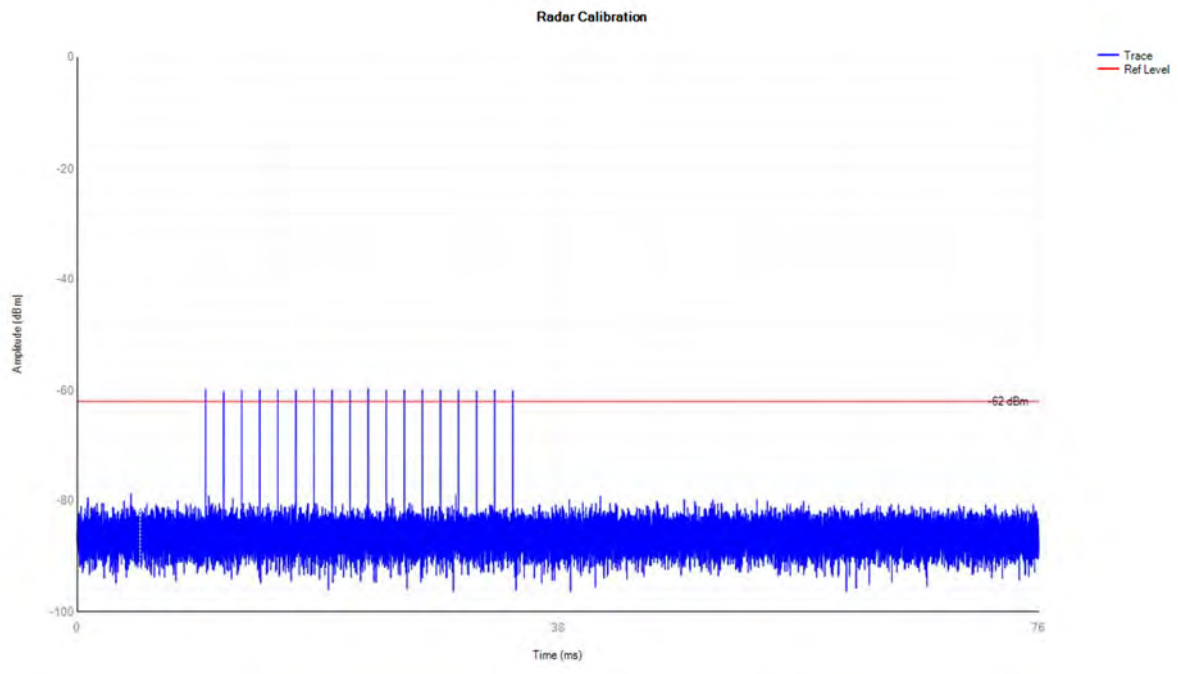
5500MHz DFS_FCC_T0



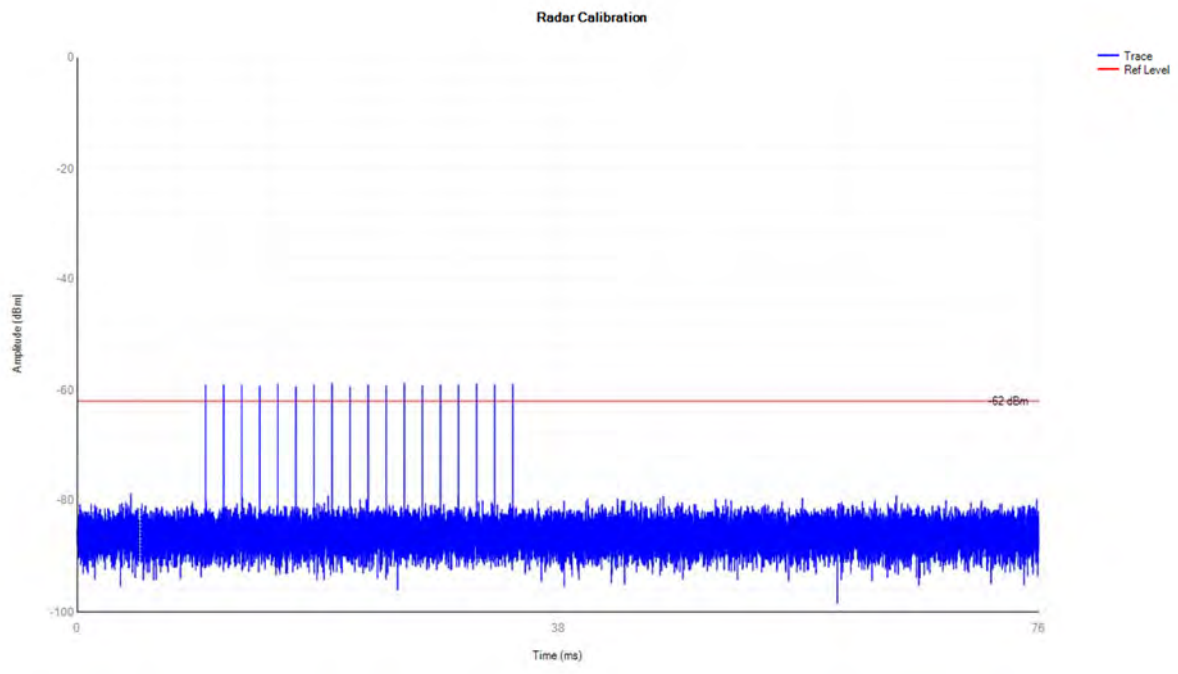
5290MHz DFS_FCC_T0



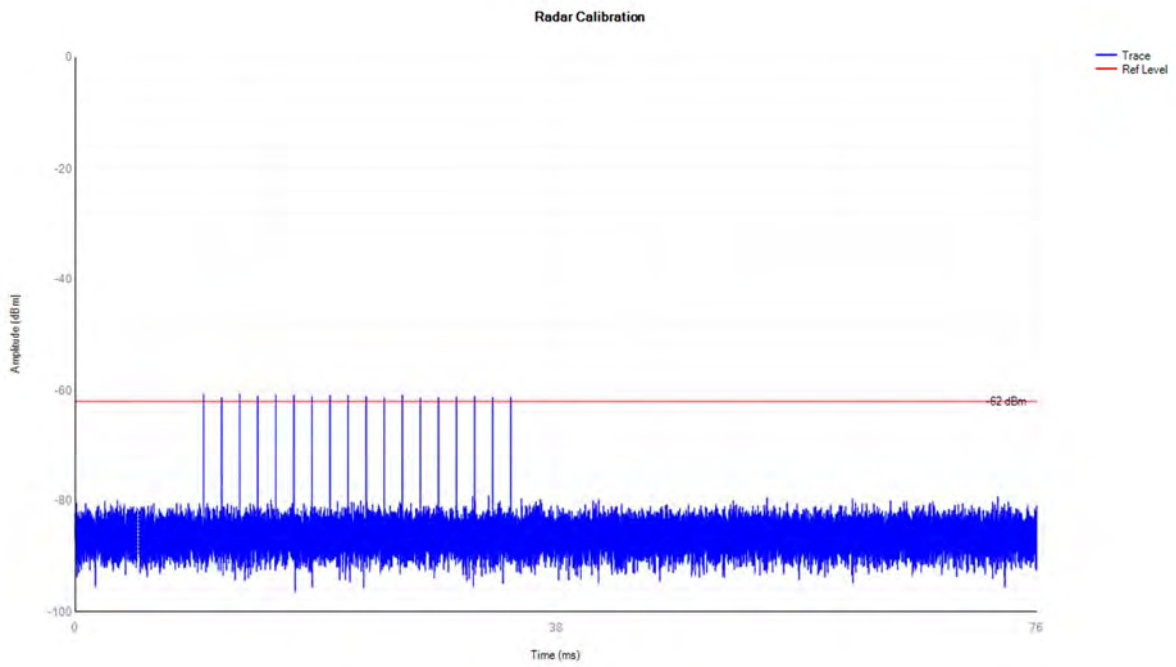
5530MHz DFS_FCC_T0



5250MHz DFS_FCC_T0



5570MHz DFS_FCC_T0

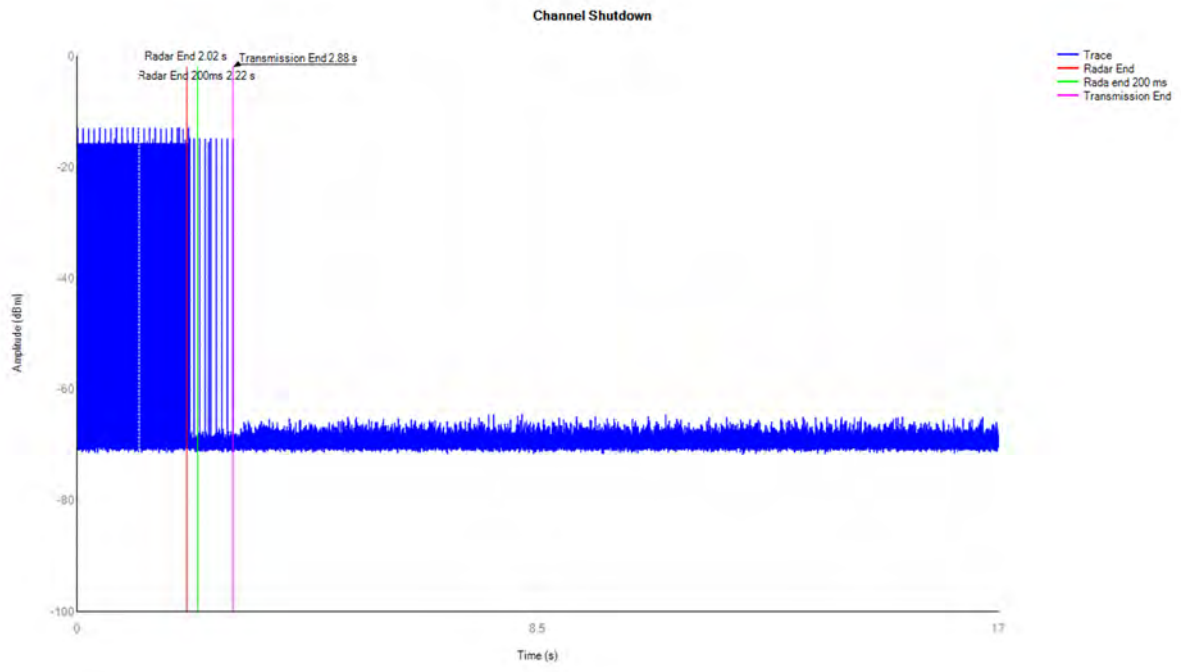


Channel Move Time and Channel Closing Transmission Time

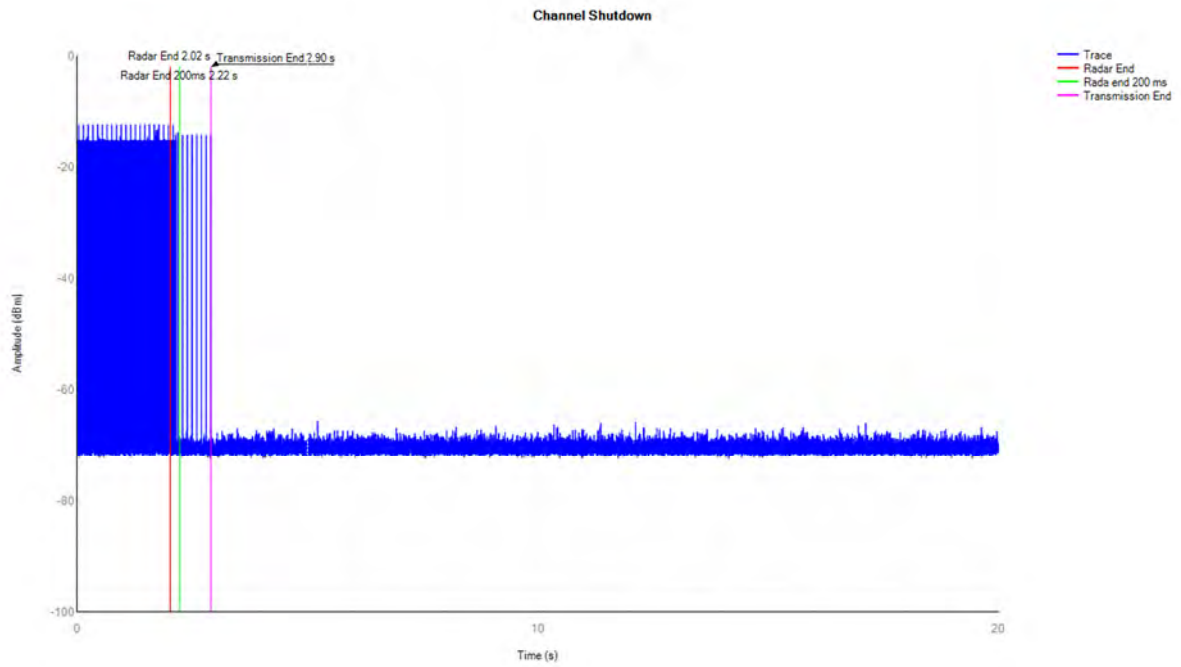
Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
a	5320	0.8521	10	0.028	0.26	0.008	0.06	Pass
a	5500	0.880	10	0.052	0.26	0.009	0.06	Pass
ac80	5290	0.9037	10	0.041	0.26	0.009	0.06	Pass
ac80	5530	0.9117	10	0.052	0.26	0.009	0.06	Pass
ax160	5250	0.888	10	0.012	0.26	0.009	0.06	Pass
ax160	5570	0	10	0	0.26	0	0.06	Pass

Test Graphs

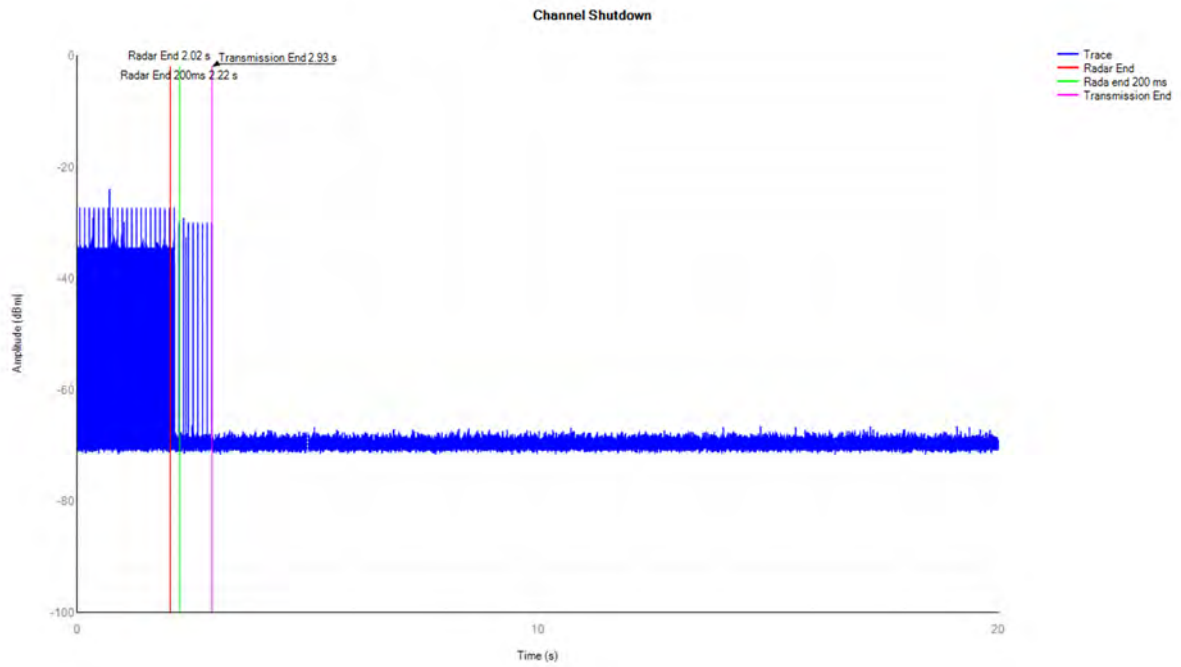
a 5320MHz Shutdown



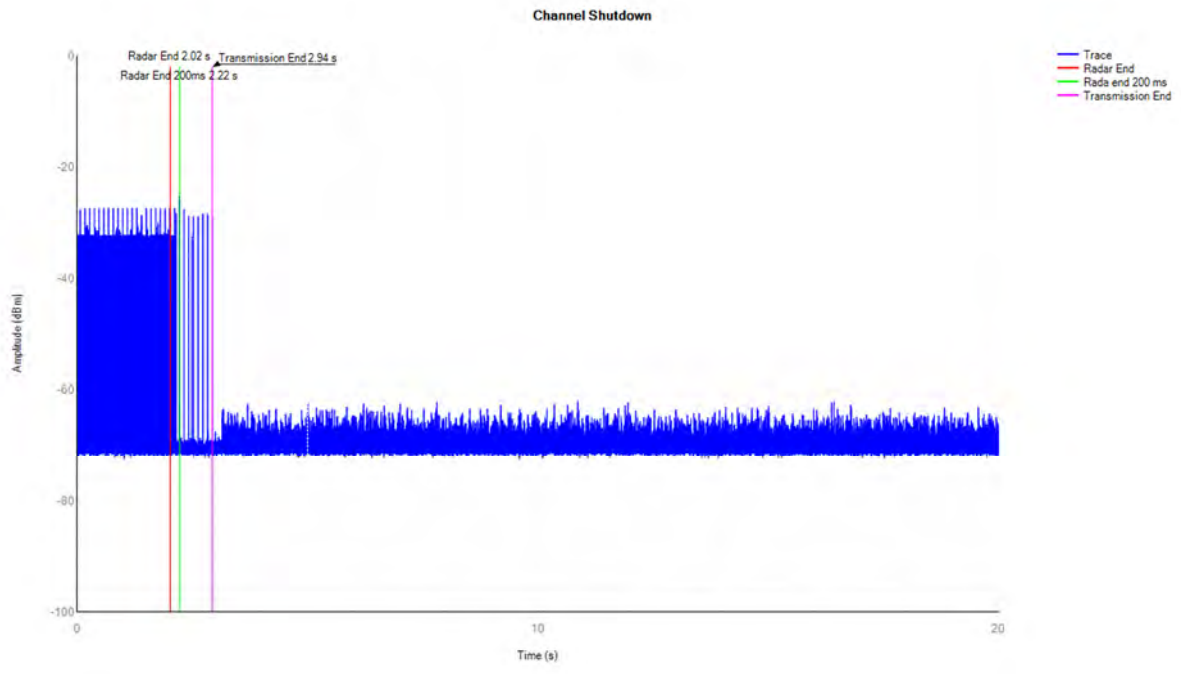
a 5500MHz Shutdown



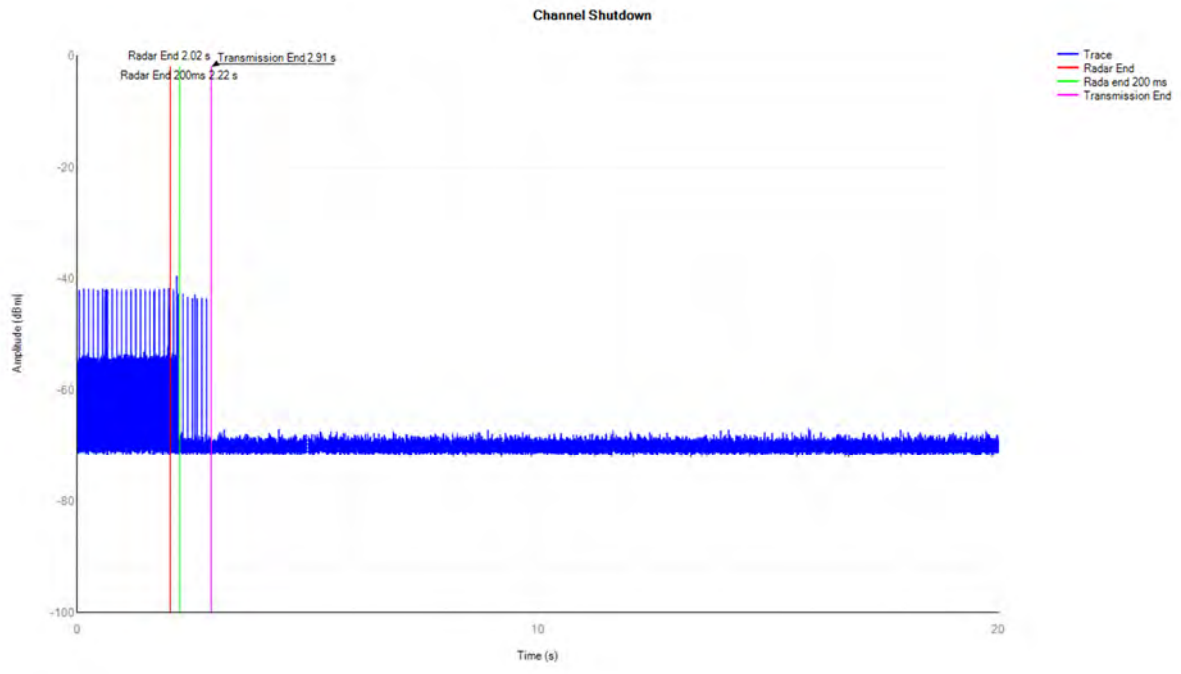
ac80 5290MHz Shutdown



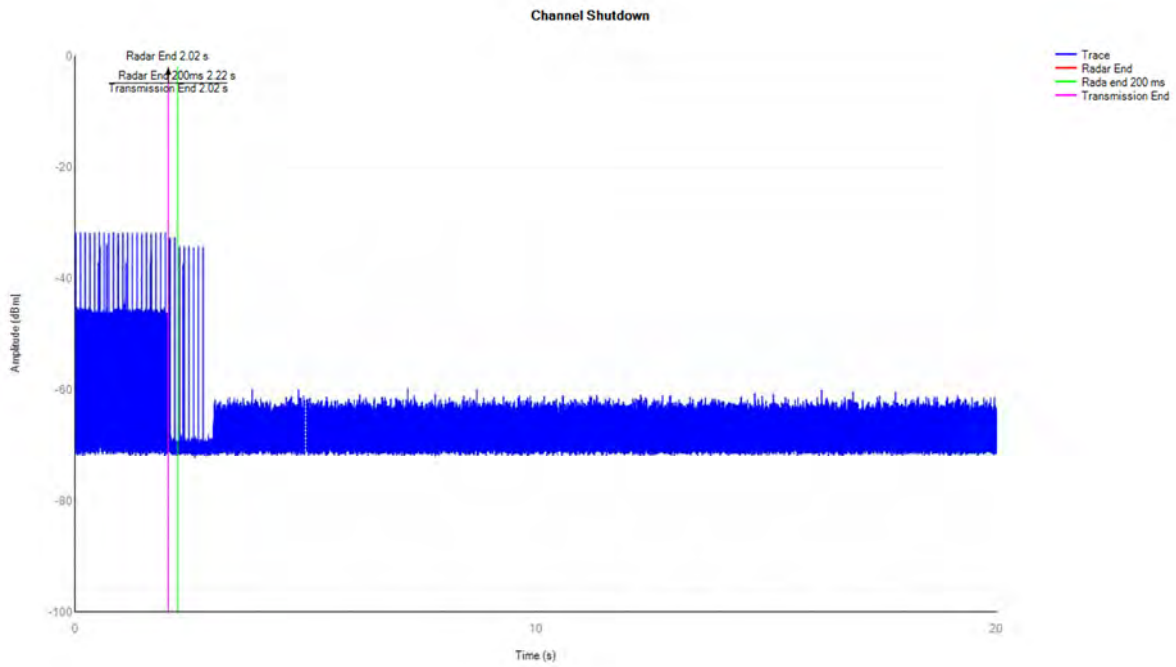
ac80 5530MHz Shutdown



ax160 5250MHz Shutdown



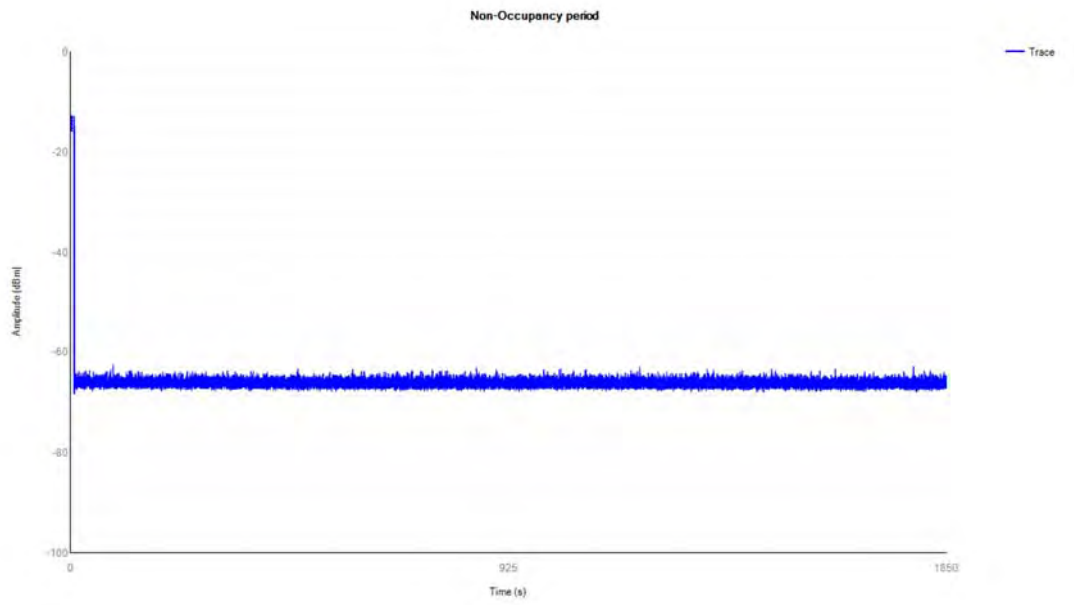
ax160 5570MHz Shutdown



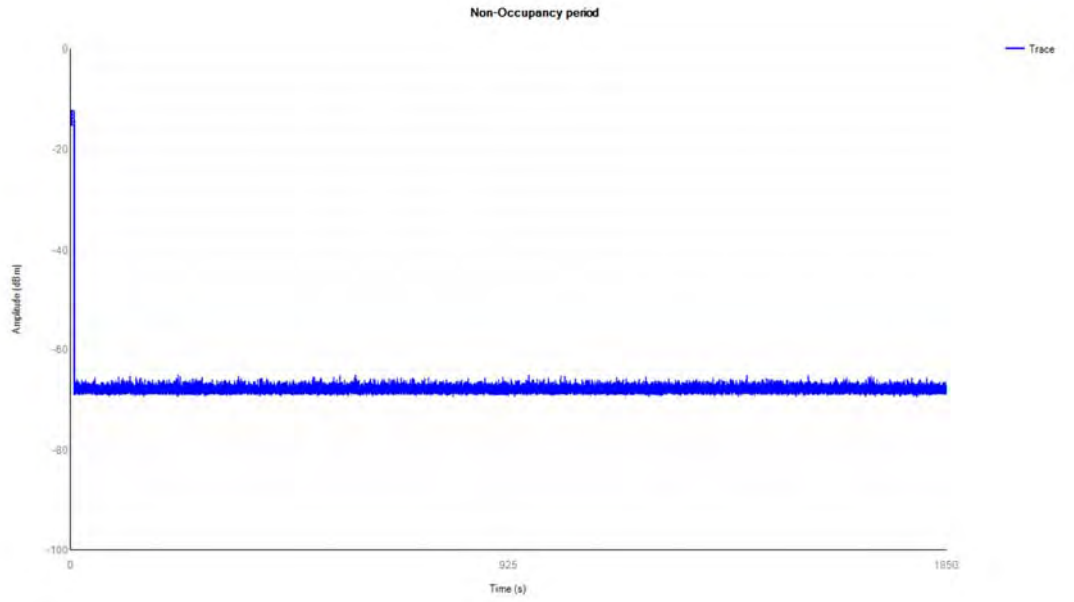
Non-Occupancy Period

TestMode	Channel	Result	Limit[s]	Verdict
11AC20SISO	5320	see test graph	≥1800	PASS
	5500	see test graph	≥1800	PASS

11AC20SISO_5320



11AC20SISO_5500



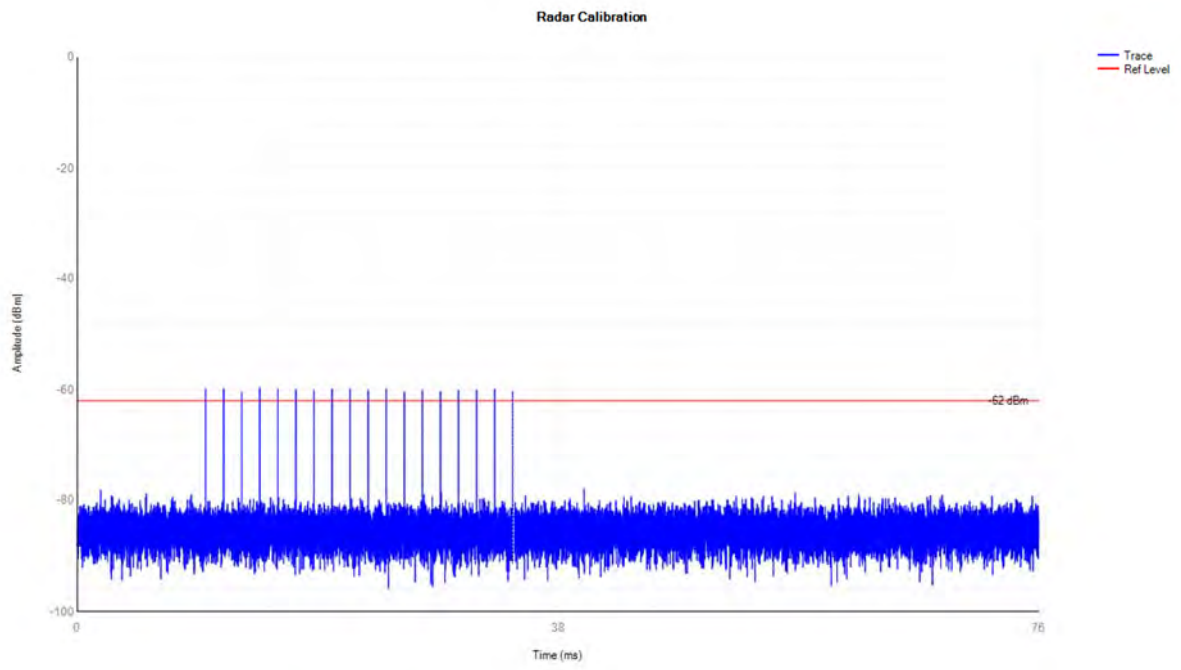
Chain 1:

Detection Thresholds

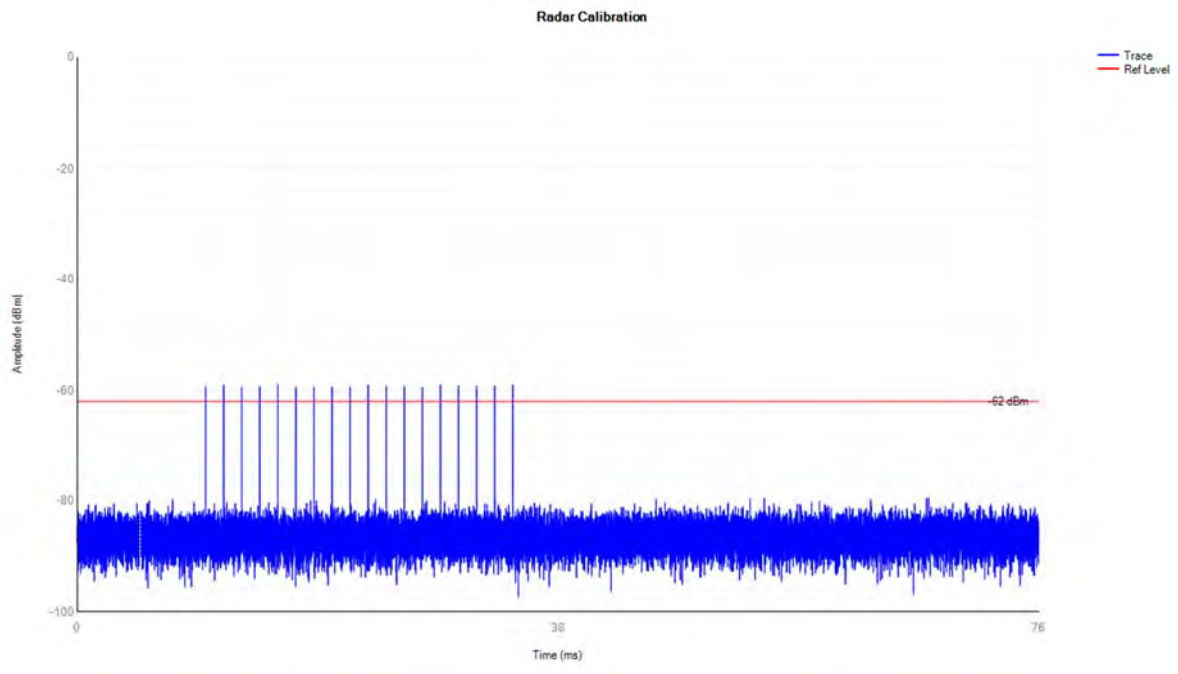
Mode	Frequency (MHz)	Type	Result	Verdict
a	5320	DFS_FCC_T0	See test Graph	Pass
a	5500	DFS_FCC_T0	See test Graph	Pass
ac80	5290	DFS_FCC_T0	See test Graph	Pass
ac80	5530	DFS_FCC_T0	See test Graph	Pass
ax160	5250	DFS_FCC_T0	See test Graph	Pass
ax160	5570	DFS_FCC_T0	See test Graph	Pass

Test Graphs

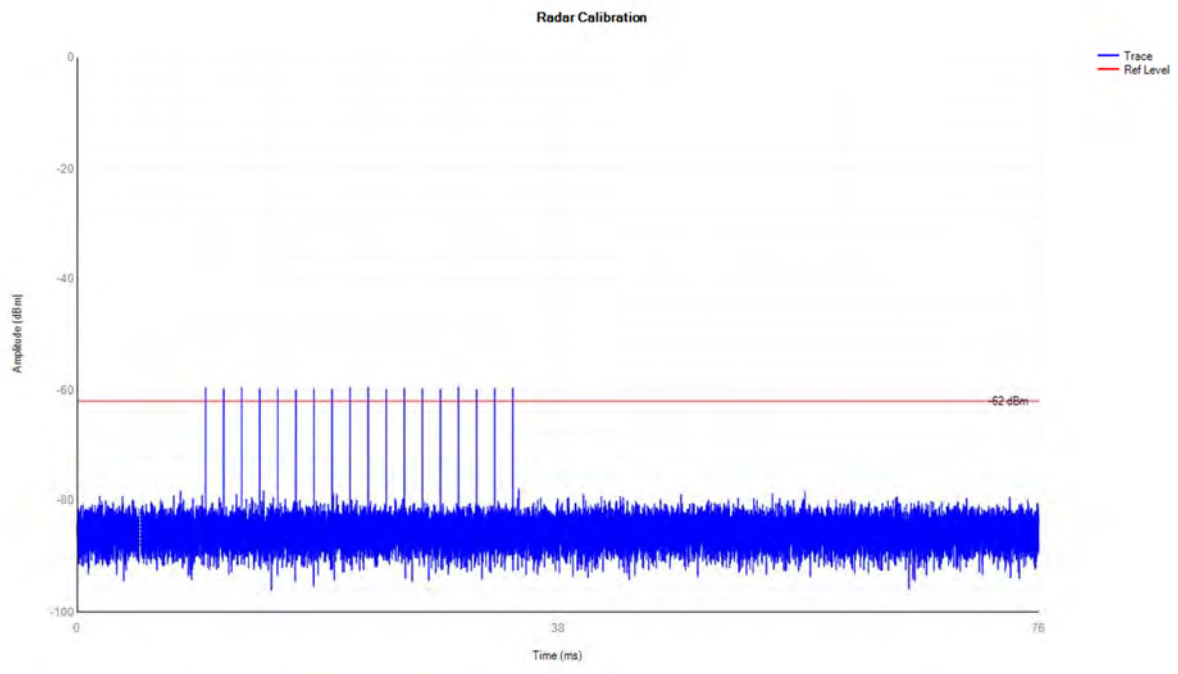
5320MHz DFS_FCC_T0



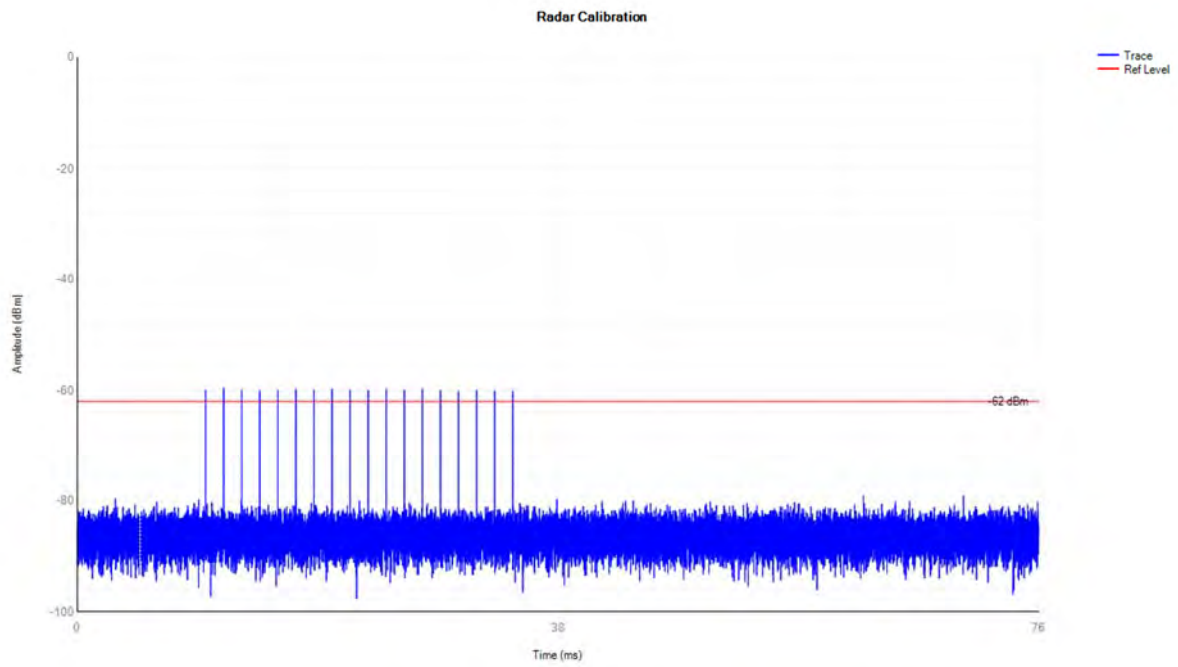
5500MHz DFS_FCC_T0



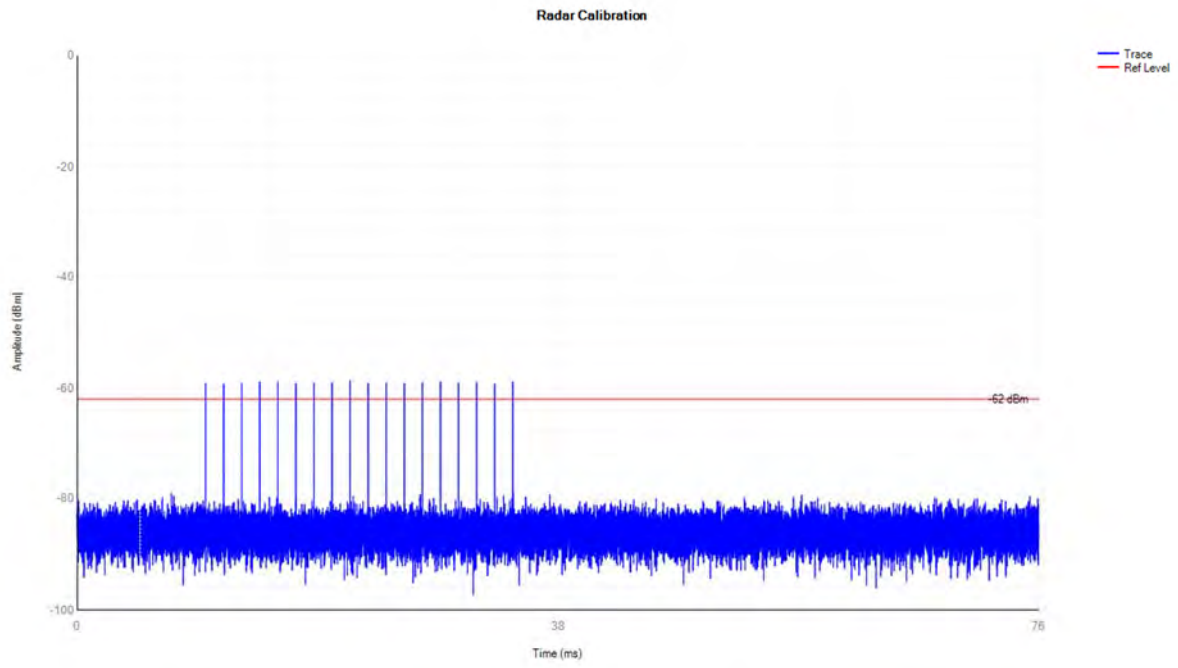
5290MHz DFS_FCC_T0



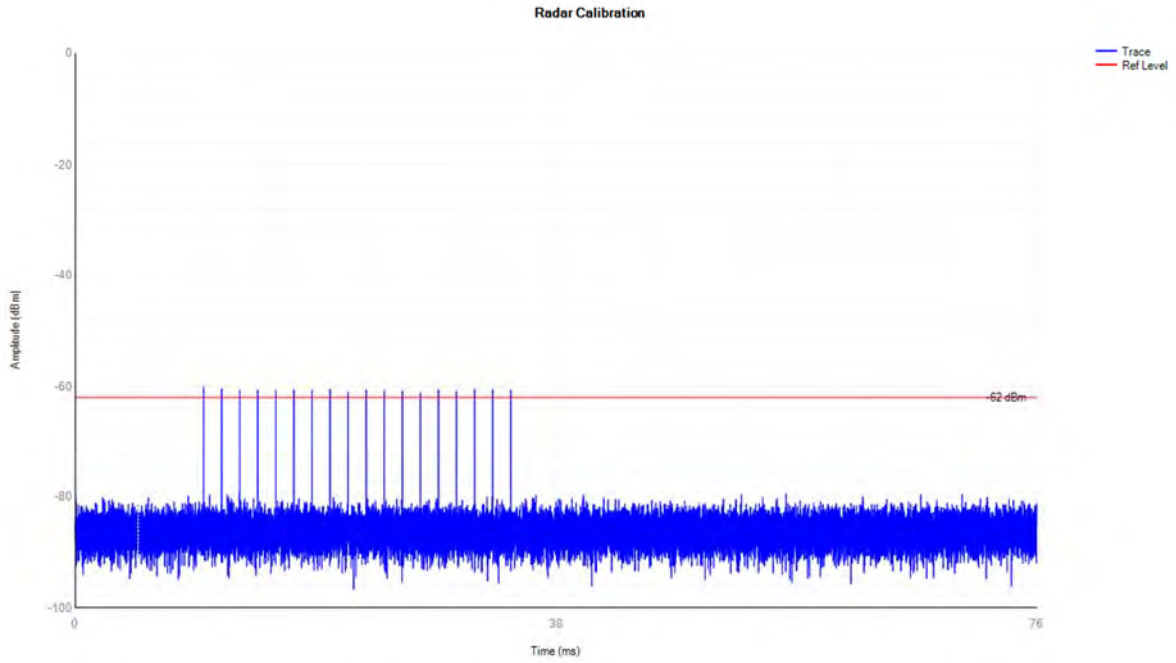
5530MHz DFS_FCC_T0



5250MHz DFS_FCC_T0



5570MHz DFS_FCC_T0

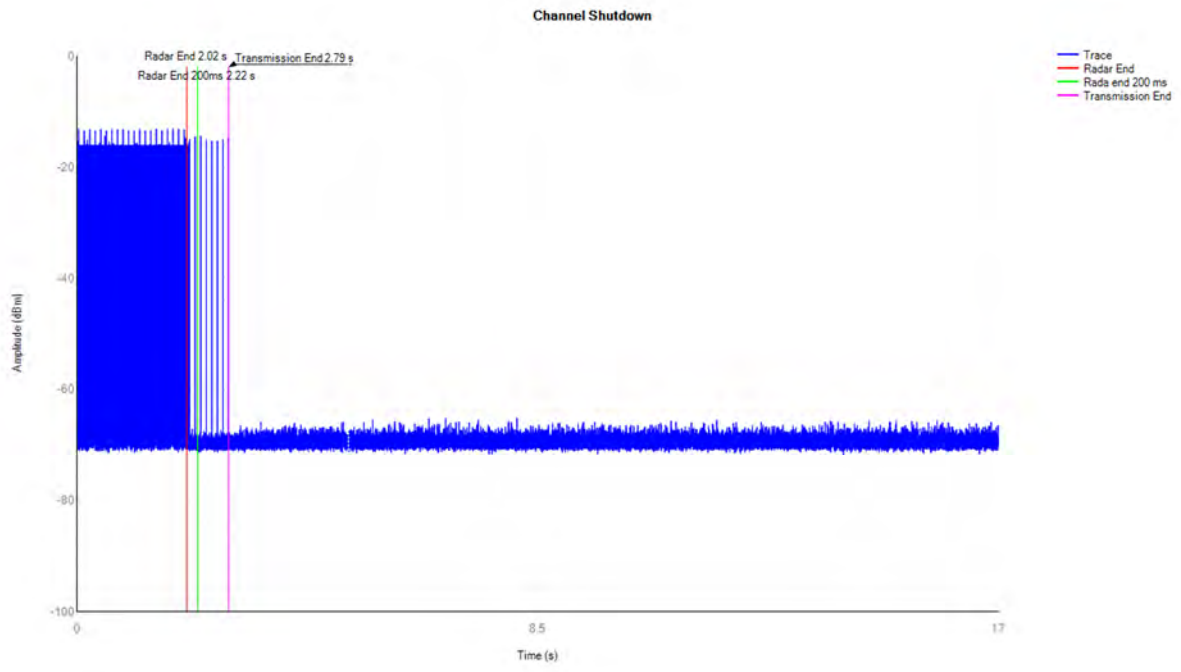


Channel Move Time and Channel Closing Transmission Time

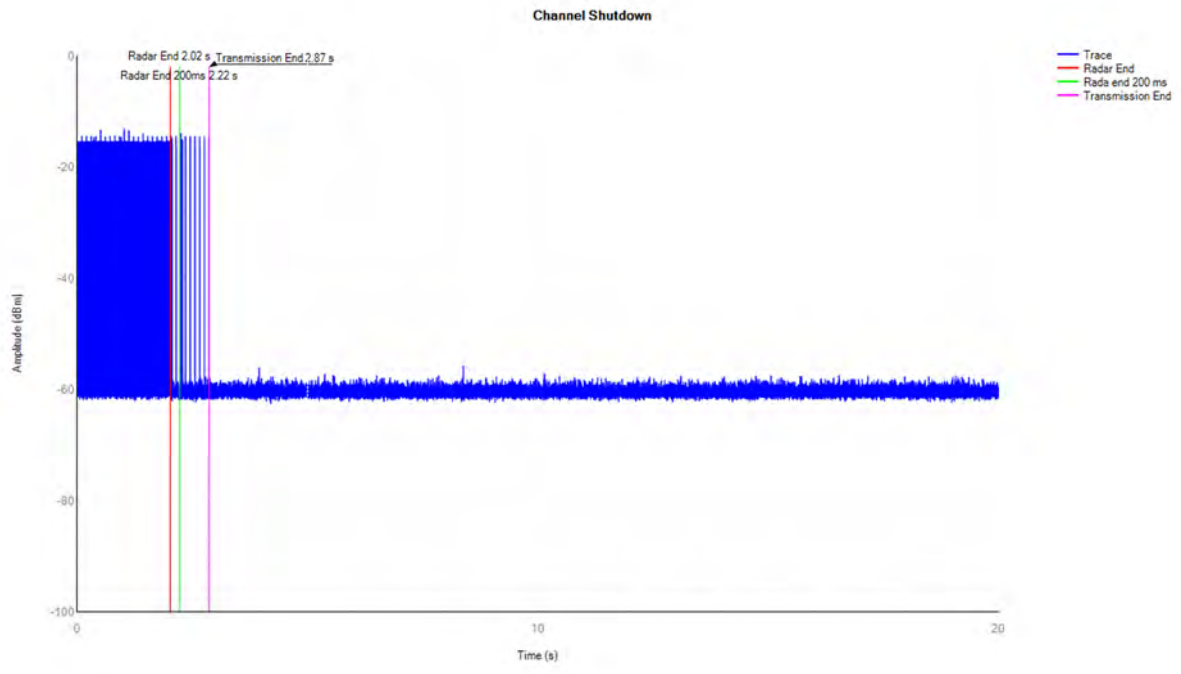
Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
a	5320	0.741	10	0.015	0.26	0.007	0.06	Pass
a	5500	0.842	10	0.031	0.26	0.013	0.06	Pass
ac80	5290	0.874	10	0.043	0.26	0.008	0.06	Pass
ac80	5530	0.809	10	0.014	0.26	0.008	0.06	Pass
ax160	5250	0.84	10	0.013	0.26	0.009	0.06	Pass
ax160	5570	0.763	10	0.01	0.26	0.007	0.06	Pass

Test Graphs

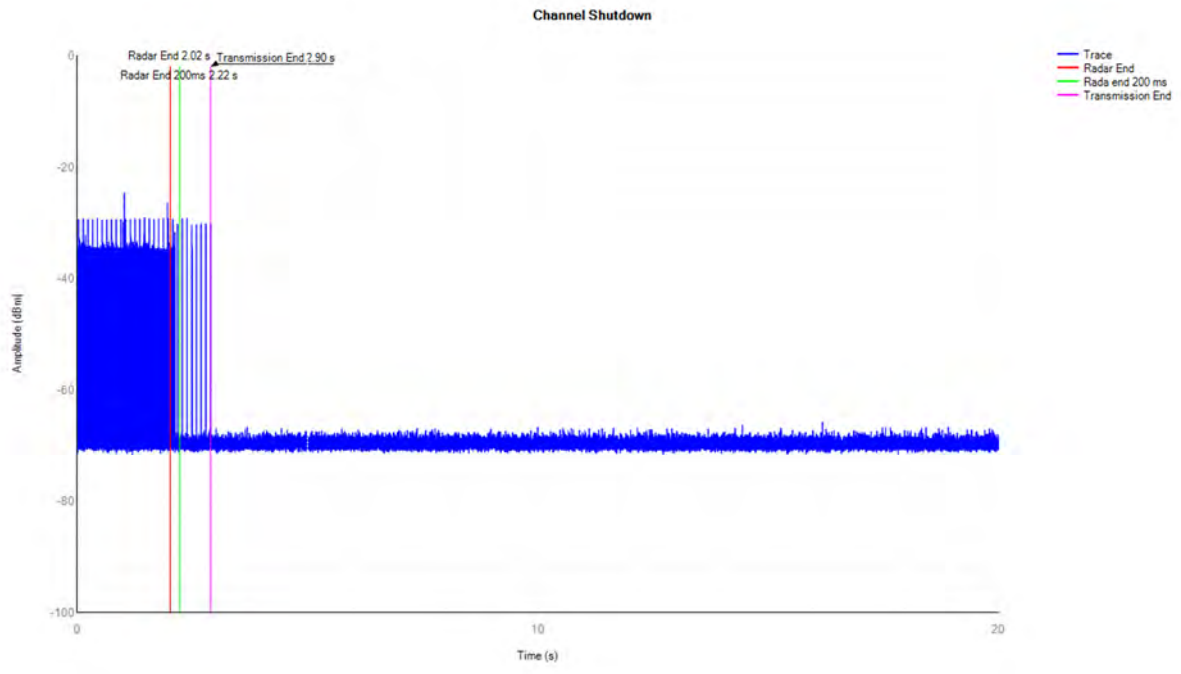
a 5320MHz Shutdown



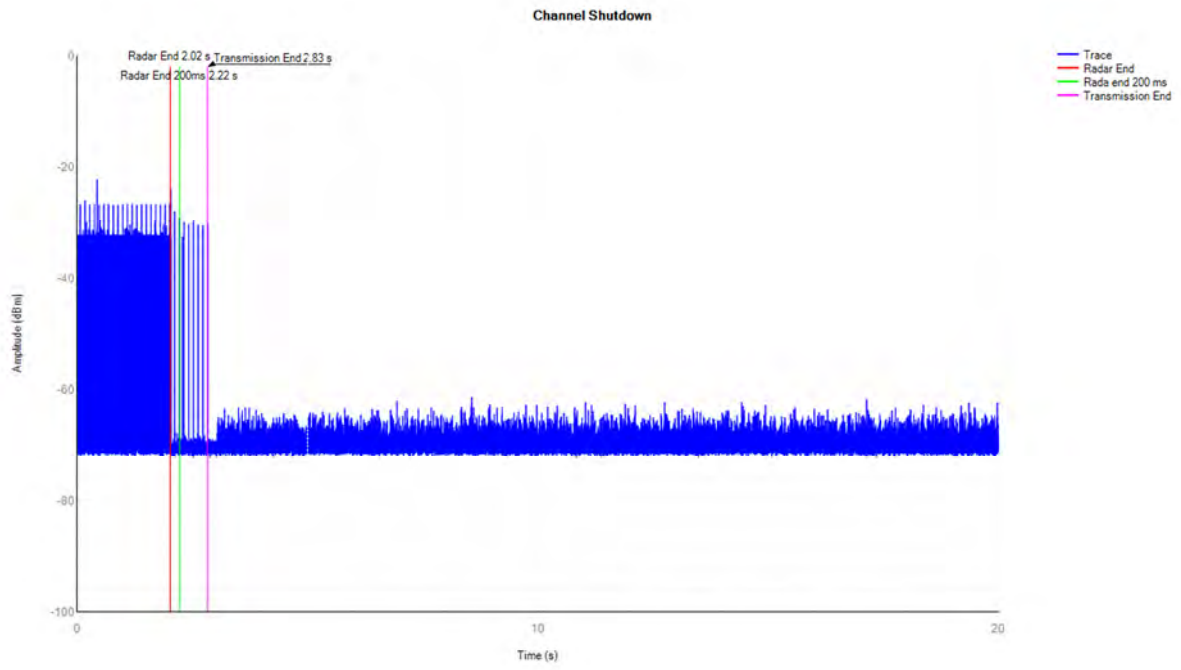
a 5500MHz Shutdown



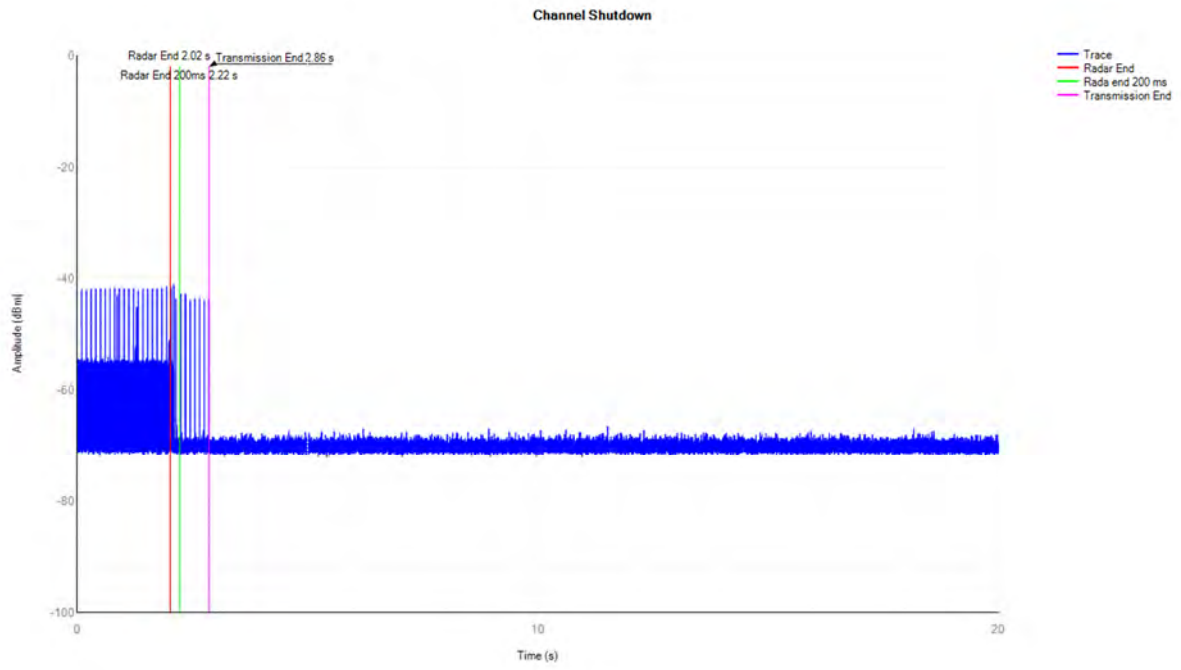
ac80 5290MHz Shutdown



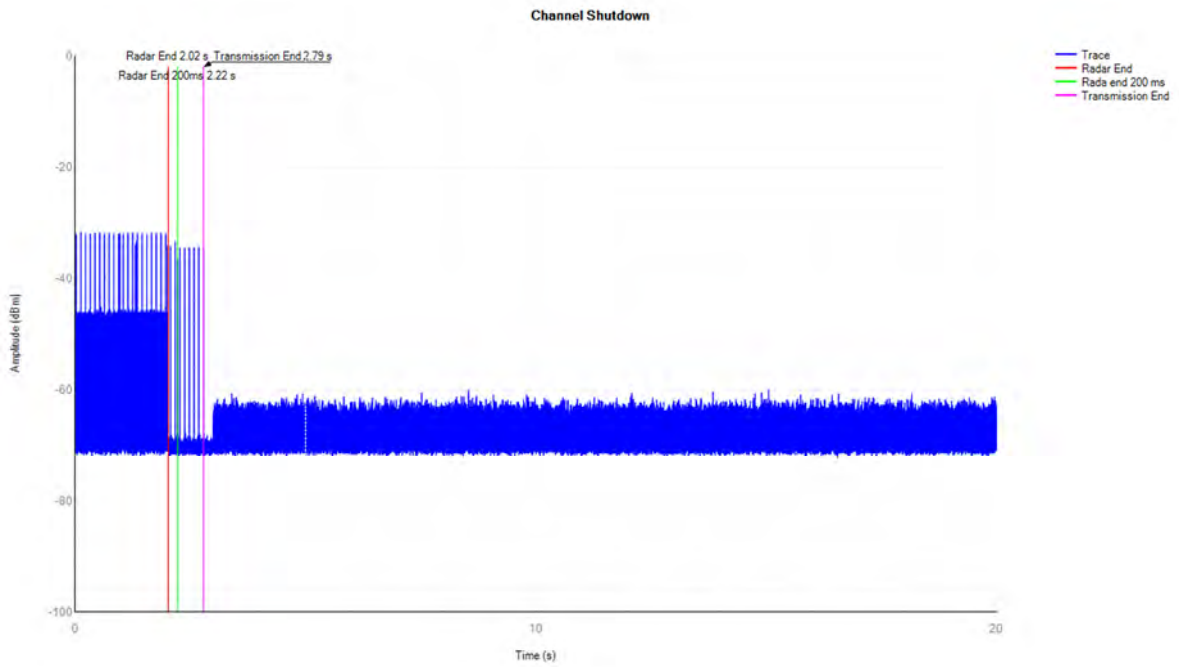
ac80 5530MHz Shutdown



ax160 5250MHz Shutdown



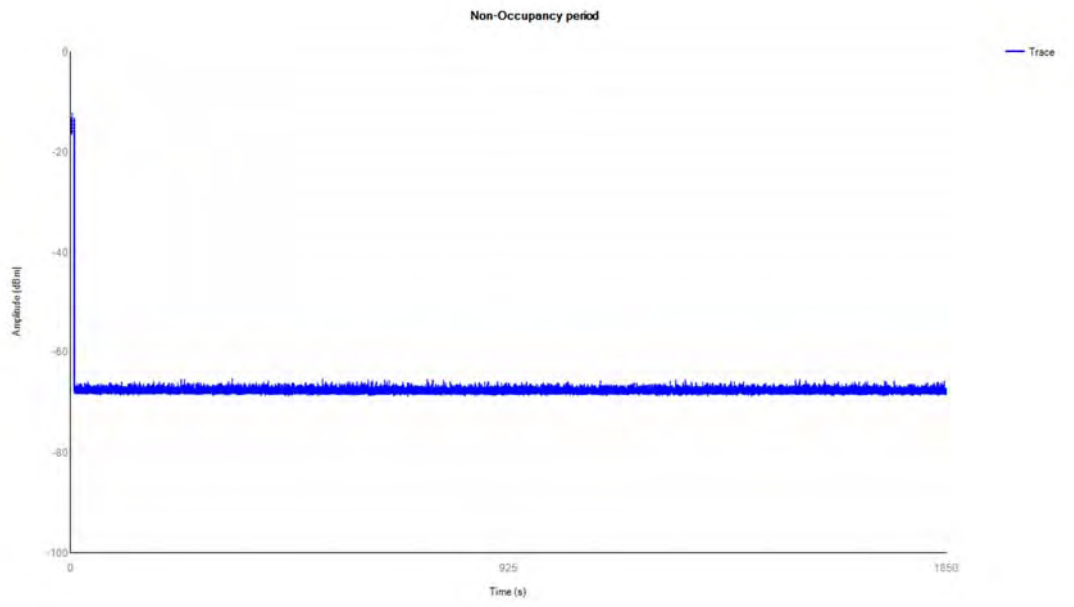
ax160 5570MHz Shutdown



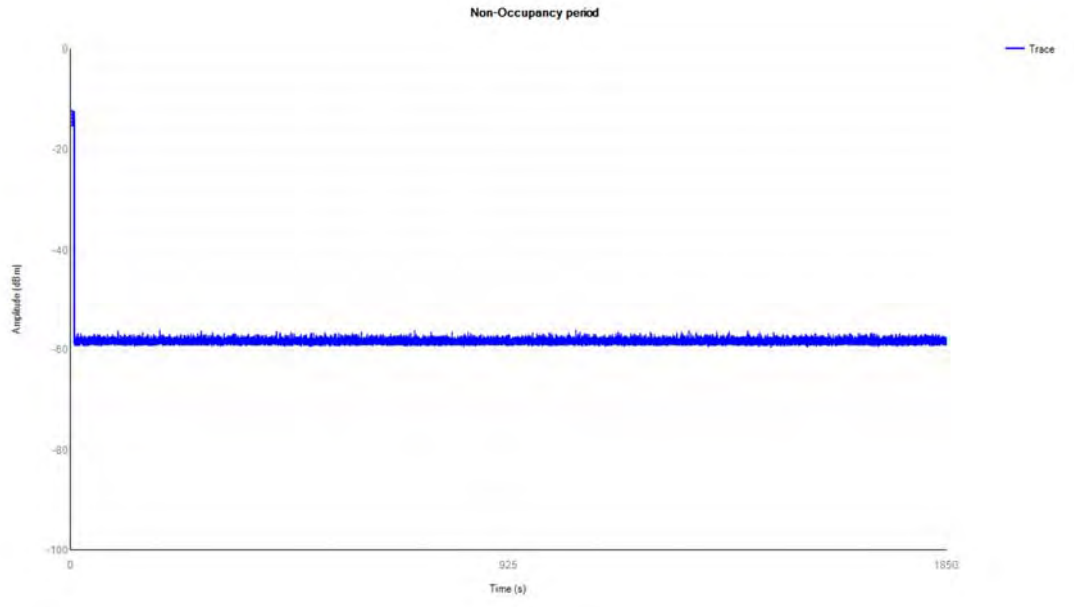
Non-Occupancy Period

Test Mode	Channel	Result	Limit[s]	Verdict
11A	5320	see test graph	≥1800	PASS
	5500	see test graph	≥1800	PASS

11A_5320



11A_5500



A.7. Conducted Emission

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

A. Test Setup:

Test Mode: EUT + Adapter + WIFI TX

Test voltage: AC 120V/60Hz

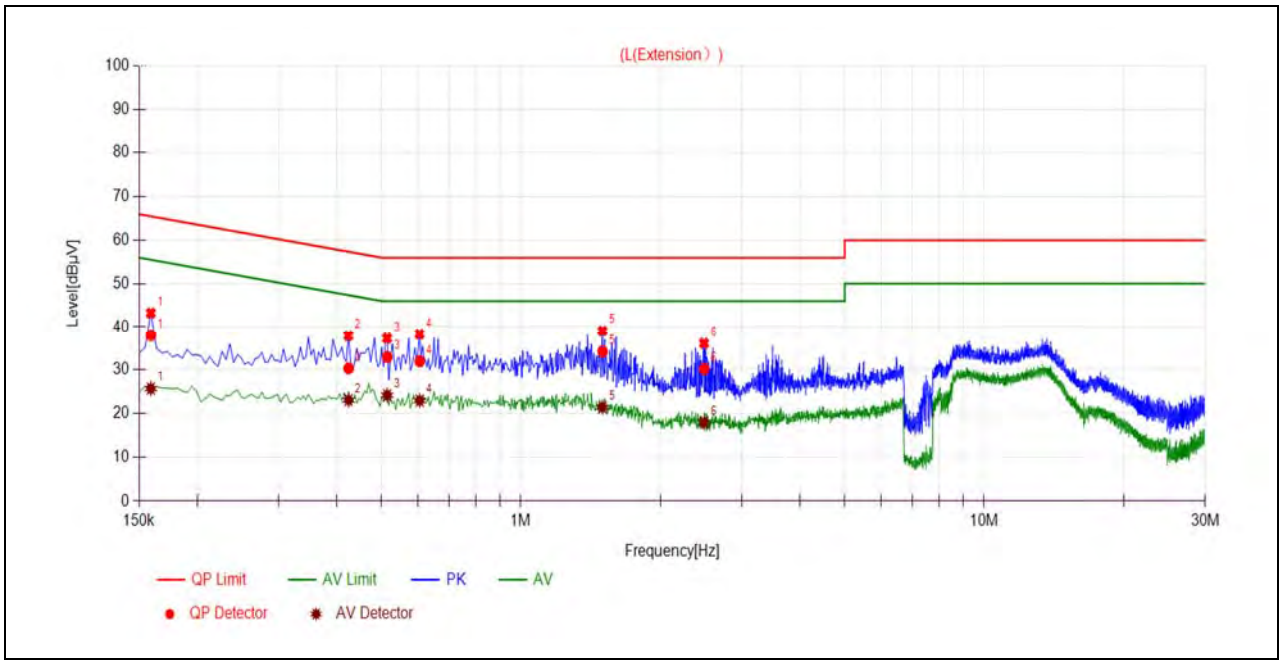
The measurement results are obtained as below:

$E\ [dB\mu V] = U_R + L_{Cable\ loss}\ [dB] + A_{Factor}$

U_R: Receiver Reading

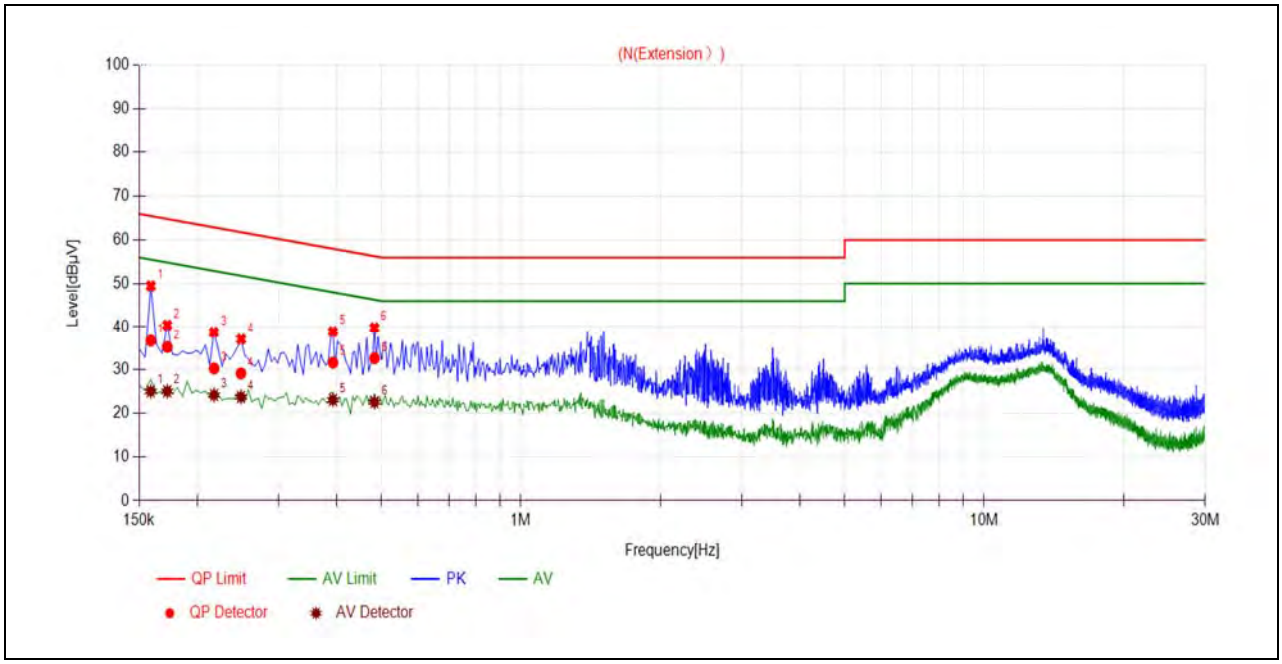
A_{Factor}: Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1590	38.01	25.69	65.51	55.51	Line	PASS
2	0.4247	30.35	23.05	57.36	47.36		PASS
3	0.5145	32.95	24.17	56.00	46.00		PASS
4	0.6049	31.99	22.93	56.00	46.00		PASS
5	1.5006	34.21	21.40	56.00	46.00		PASS
6	2.4869	30.18	17.89	56.00	46.00		PASS



(N Phase)

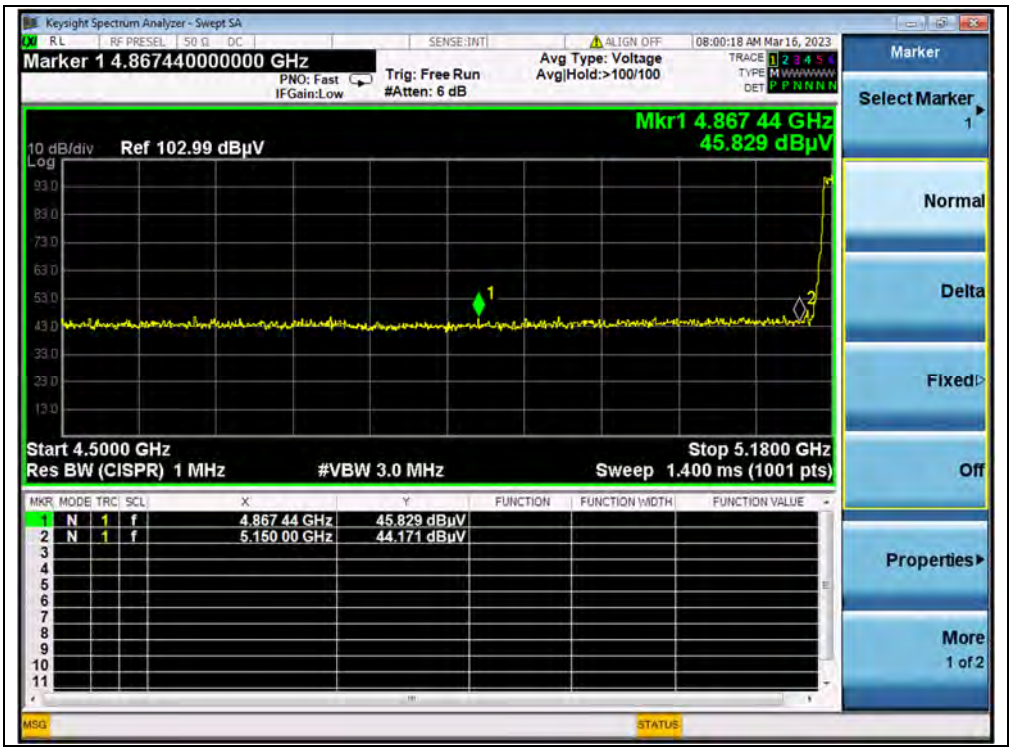
No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1589	36.77	25.02	65.52	55.52	Neutral	PASS
2	0.1725	35.29	25.03	64.84	54.84		PASS
3	0.2177	30.31	24.17	62.91	52.91		PASS
4	0.2488	29.17	23.74	61.80	51.80		PASS
5	0.3931	31.66	23.06	58.00	48.00		PASS
6	0.4833	32.68	22.54	56.28	46.28		PASS

A.8. Restricted Frequency Bands

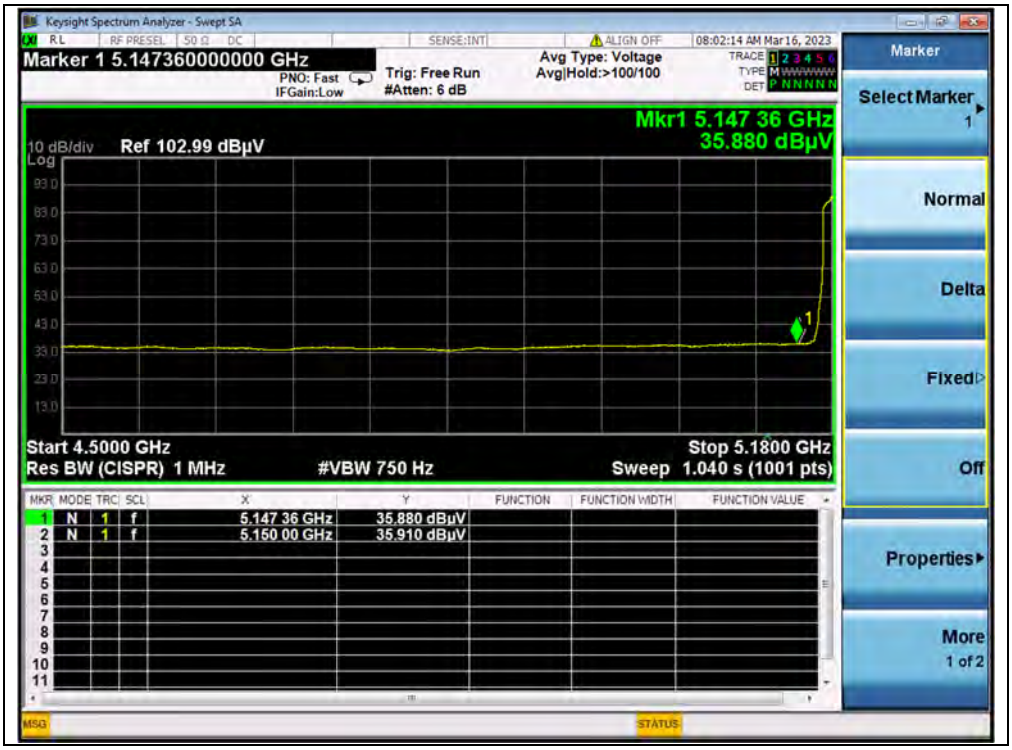
The lowest and highest channels are tested to verify the Restricted Frequency Bands.
The measurement results are obtained as below:
E [dBμV/m] $=U_R + A_T + A_{Factor}$ [dB]; $A_T = L_{Cable\ loss}$ [dB]$-G_{preamp}$ [dB]
A_T: Total correction Factor except Antenna
U_R: Receiver Reading
G_{preamp}: Preamplifier Gain
A_{Factor}: Antenna Factor at 3m
Note 1: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.
Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

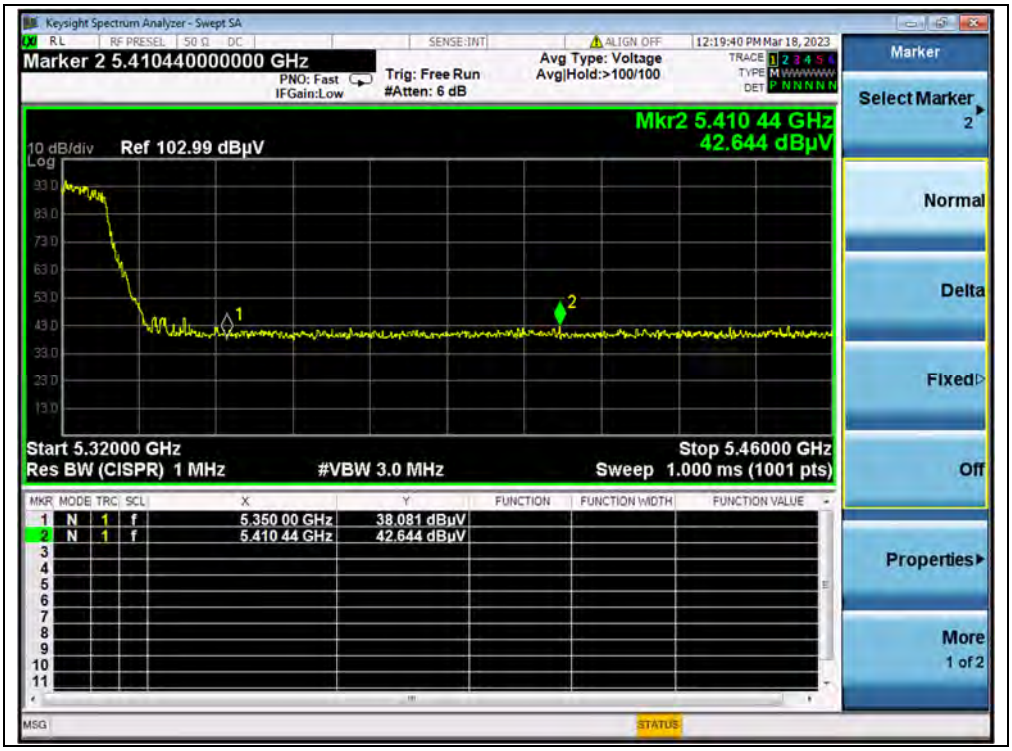
Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
36	4867.44	PK	45.83	-19.54	32.20	58.49	74	PASS
36	5150.00	AV	35.91	-19.54	32.20	48.57	54	PASS
64	5410.44	PK	42.64	-18.80	32.20	56.04	74	PASS
64	5350.00	AV	31.98	-18.80	32.20	45.38	54	PASS
100	5448.80	PK	43.34	-19.20	32.20	56.34	74	PASS
100	5470.00	AV	32.59	-19.20	32.20	45.59	54	PASS
144	5872.80	PK	44.06	-19.20	32.20	57.06	68.23	PASS
149	5700.00	PK	42.52	-19.01	32.20	55.71	105.23	PASS
165	5880.00	PK	42.32	-19.01	32.20	55.51	101.53	PASS



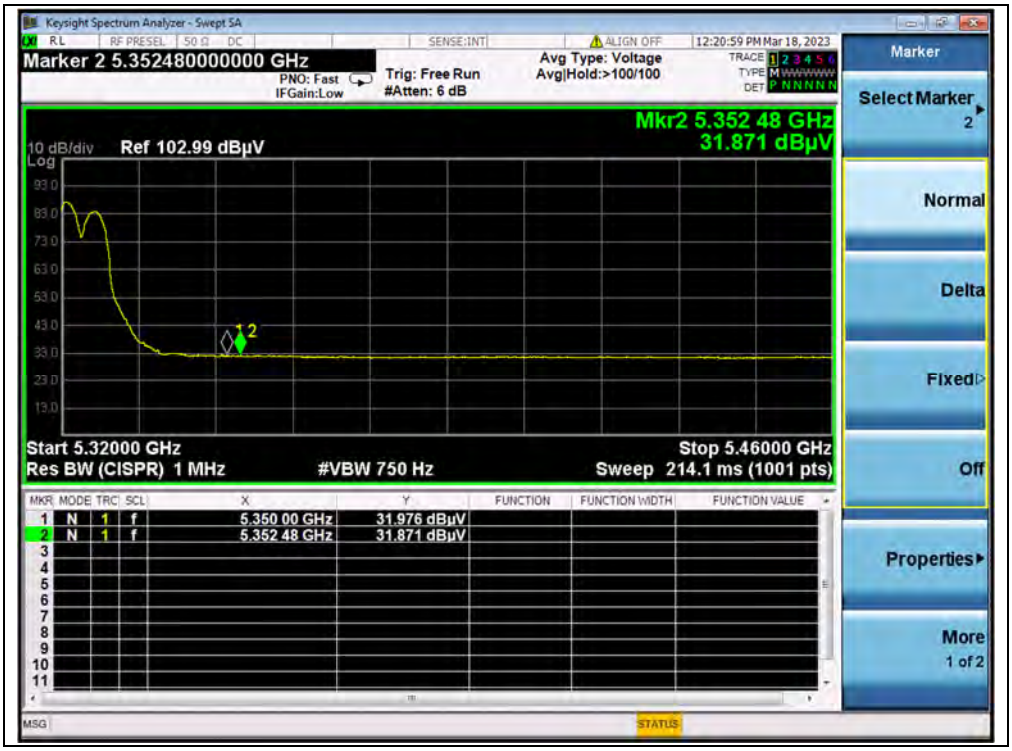
(PEAK, Channel 36, 802.11a)



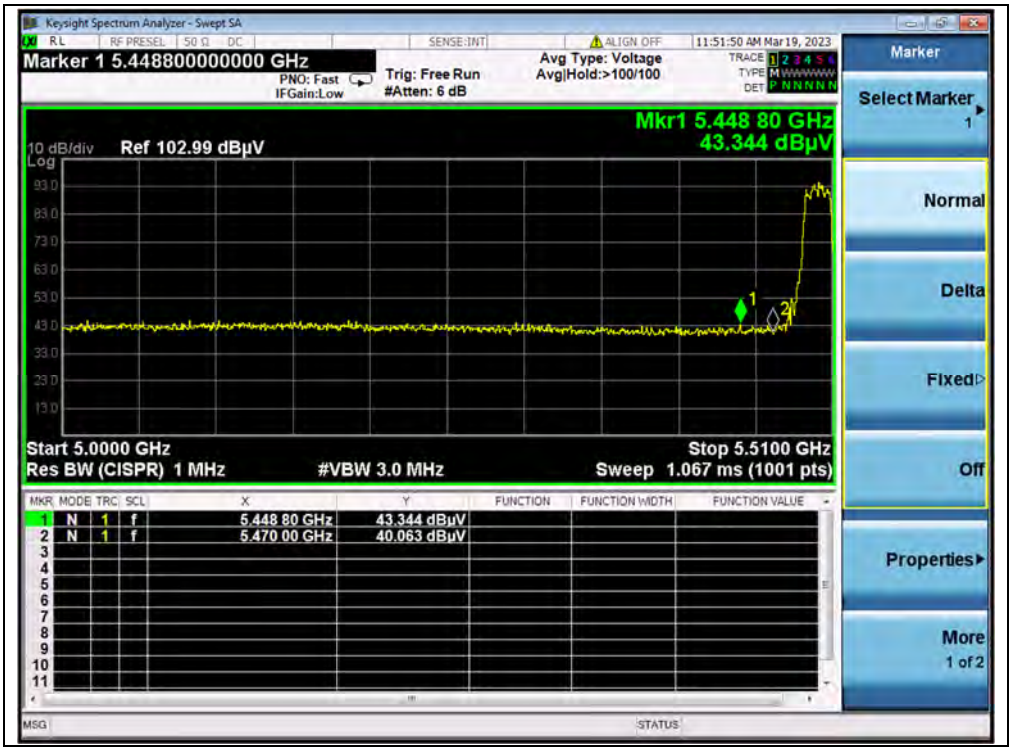
(AVERAGE, Channel 36, 802.11a)



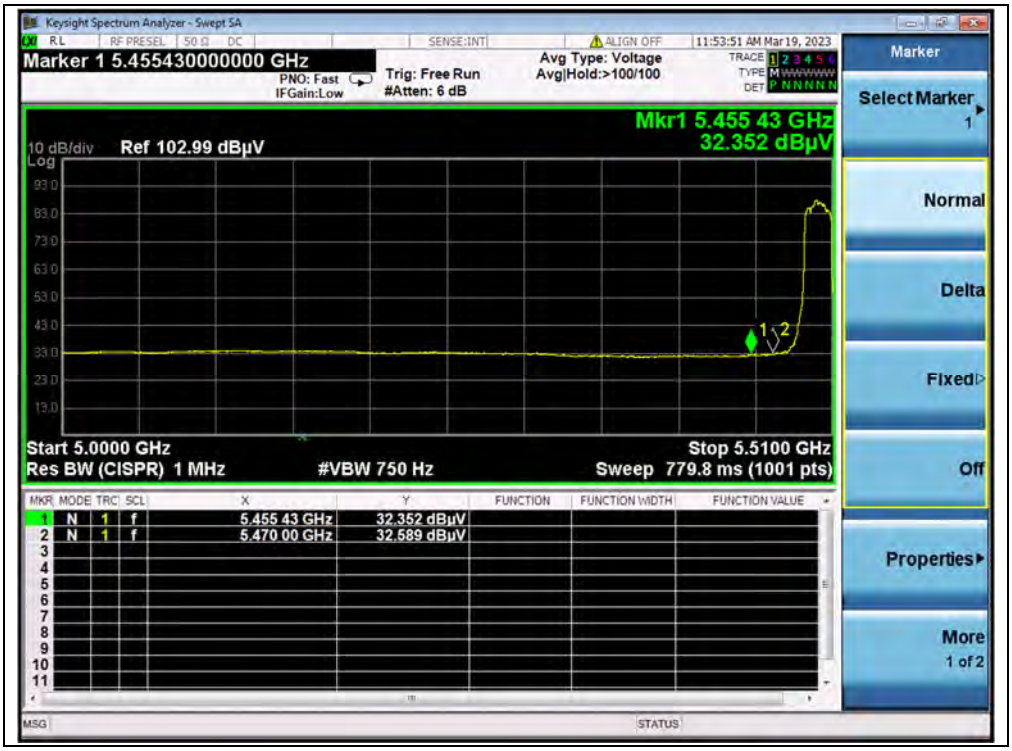
(PEAK, Channel 64, 802.11a)



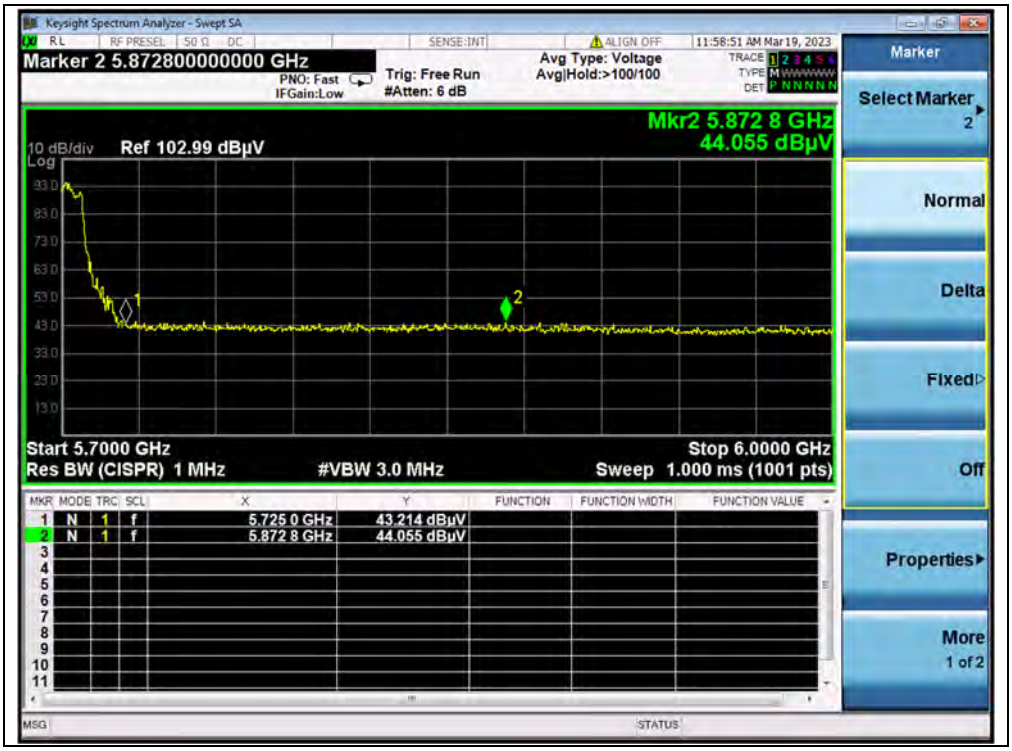
(AVERAGE, Channel 64, 802.11a)



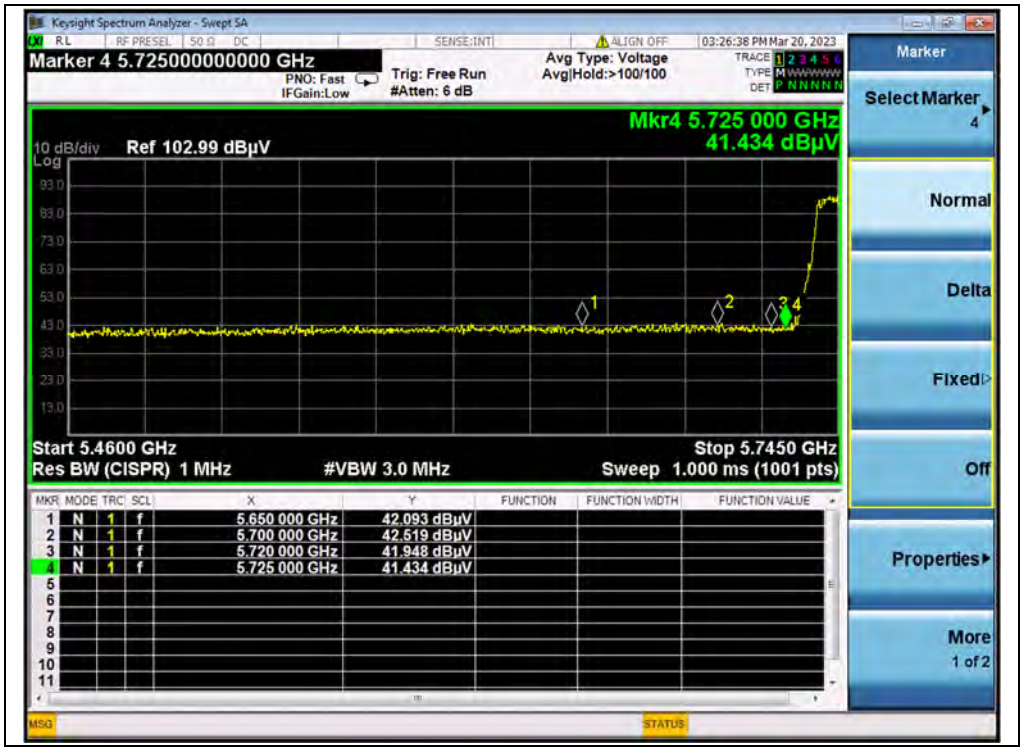
(PEAK, Channel 100, 802.11a)



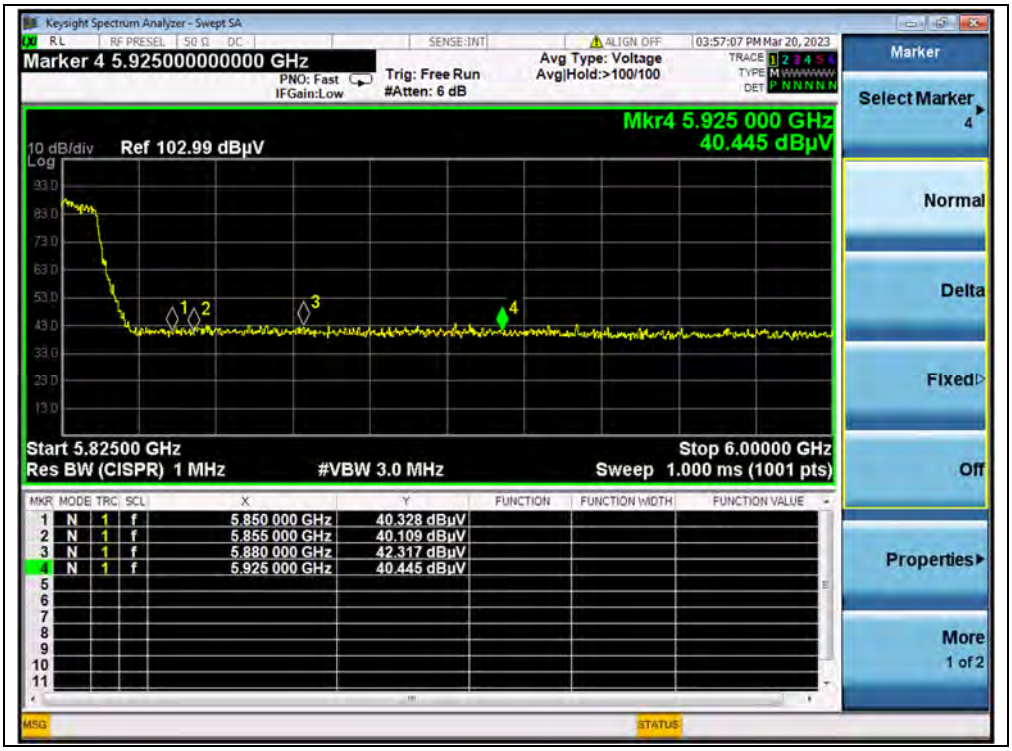
(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



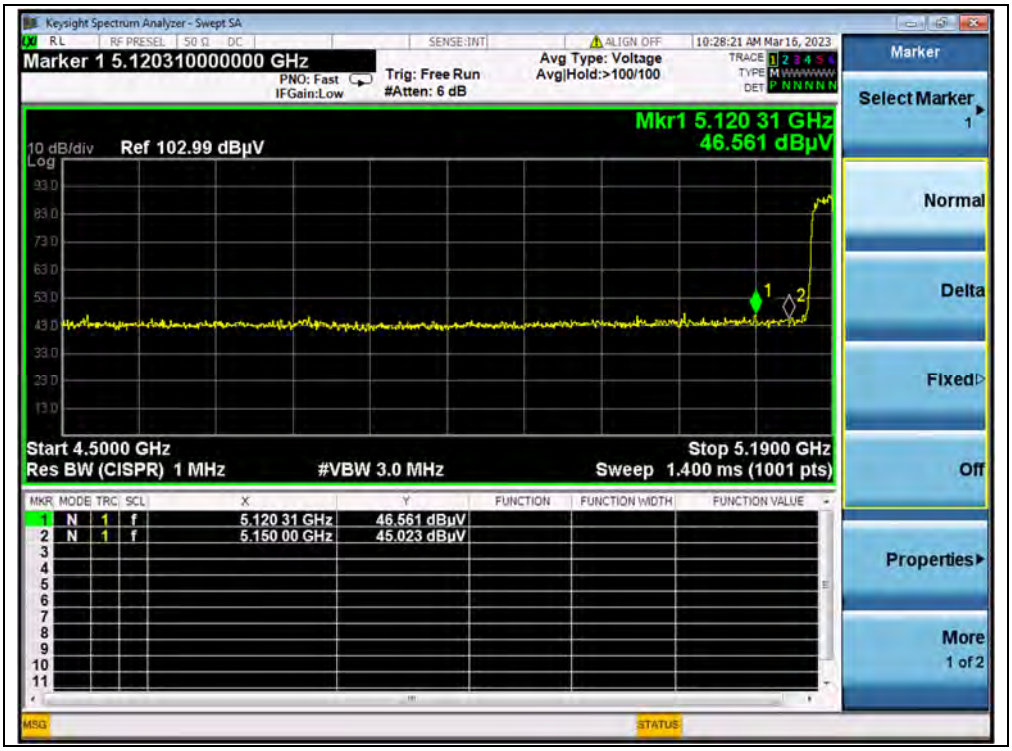
(PEAK, Channel 149, 802.11a)



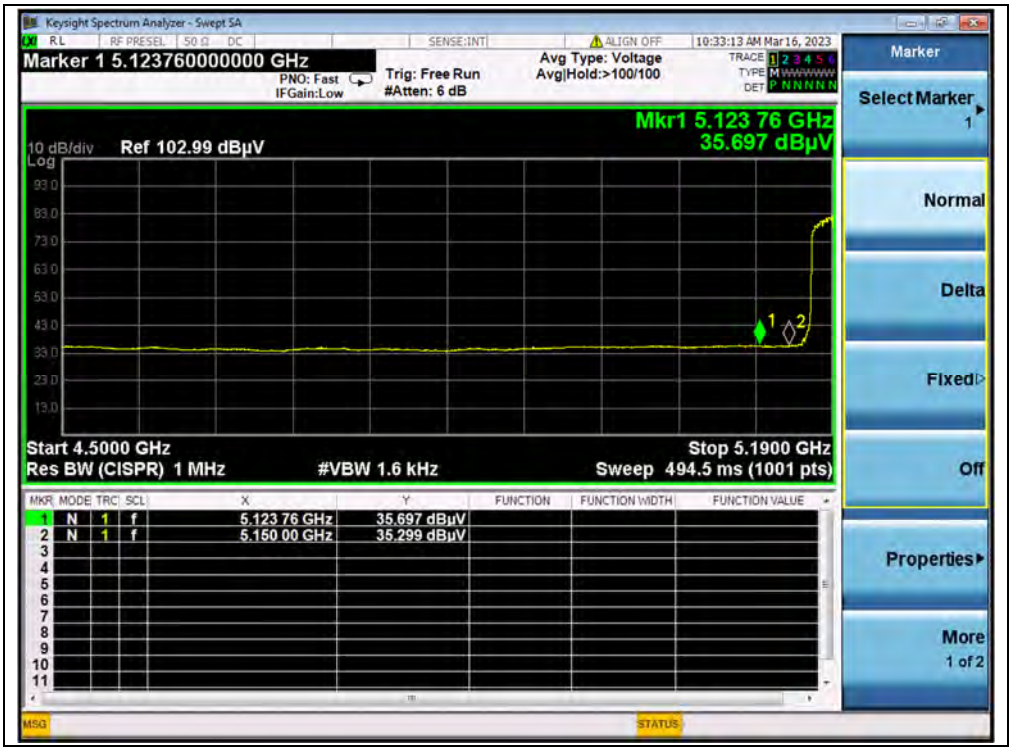
(PEAK, Channel 165, 802.11a)

802.11n (HT40) Mode

Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
38	5120.31	PK	46.56	-19.54	32.20	59.22	74	PASS
38	5123.76	AV	35.70	-19.54	32.20	48.36	54	PASS
62	5356.65	PK	42.17	-18.80	32.20	55.57	74	PASS
62	5352.15	AV	32.15	-18.80	32.20	45.55	54	PASS
102	5183.56	PK	44.86	-19.20	32.20	57.86	68.23	PASS
102	5468.00	AV	32.41	-19.20	32.20	45.41	54	PASS
142	5737.65	PK	44.25	-19.20	32.20	57.25	68.23	PASS
151	5720.00	PK	49.13	-19.01	32.20	62.32	110.83	PASS
159	5850.00	PK	42.87	-19.01	32.20	56.06	122.23	PASS

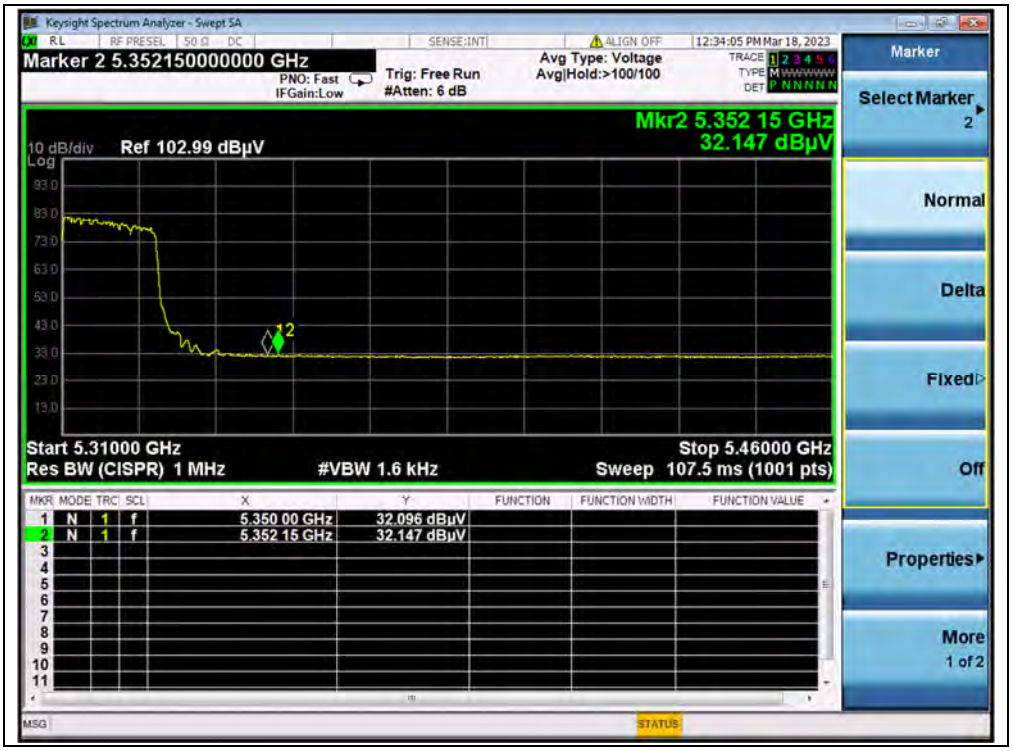


(PEAK, Channel 38, 802.11n (HT40))

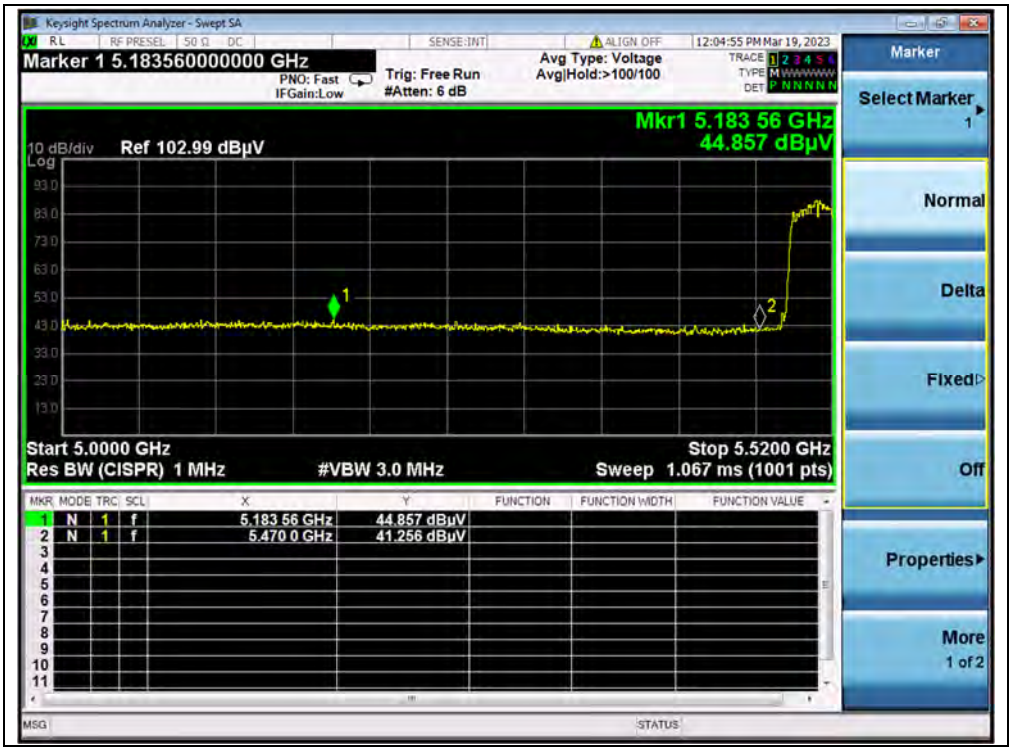


(AVERAGE, Channel 38, 802.11n (HT40))

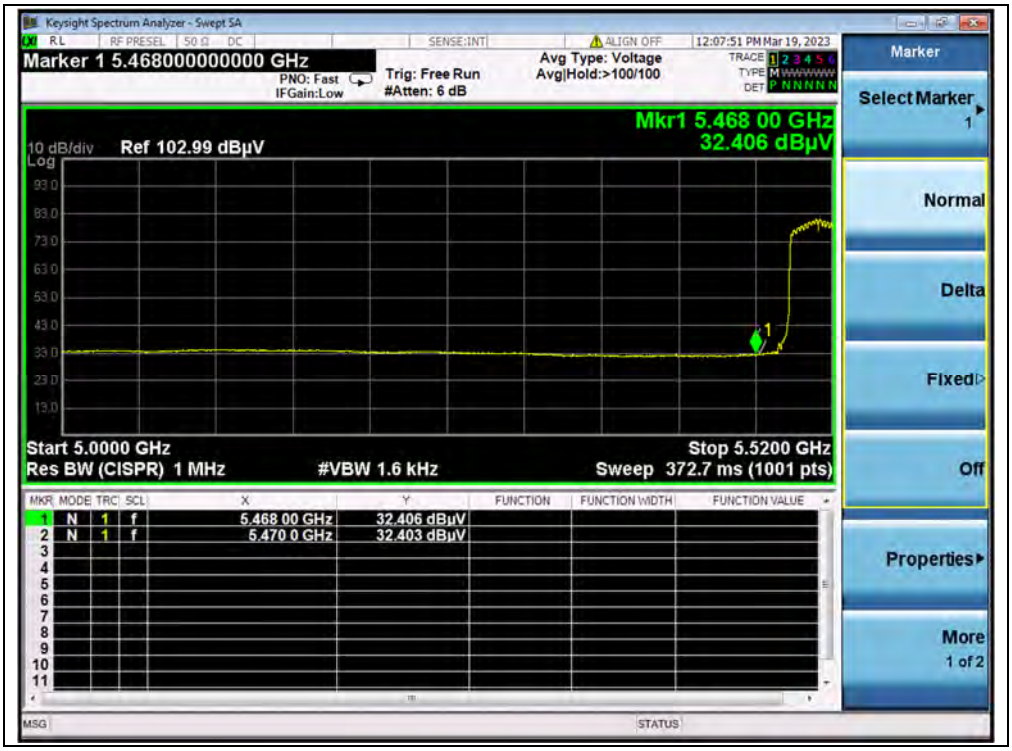
(PEAK, Channel 62, 802.11n (HT40))



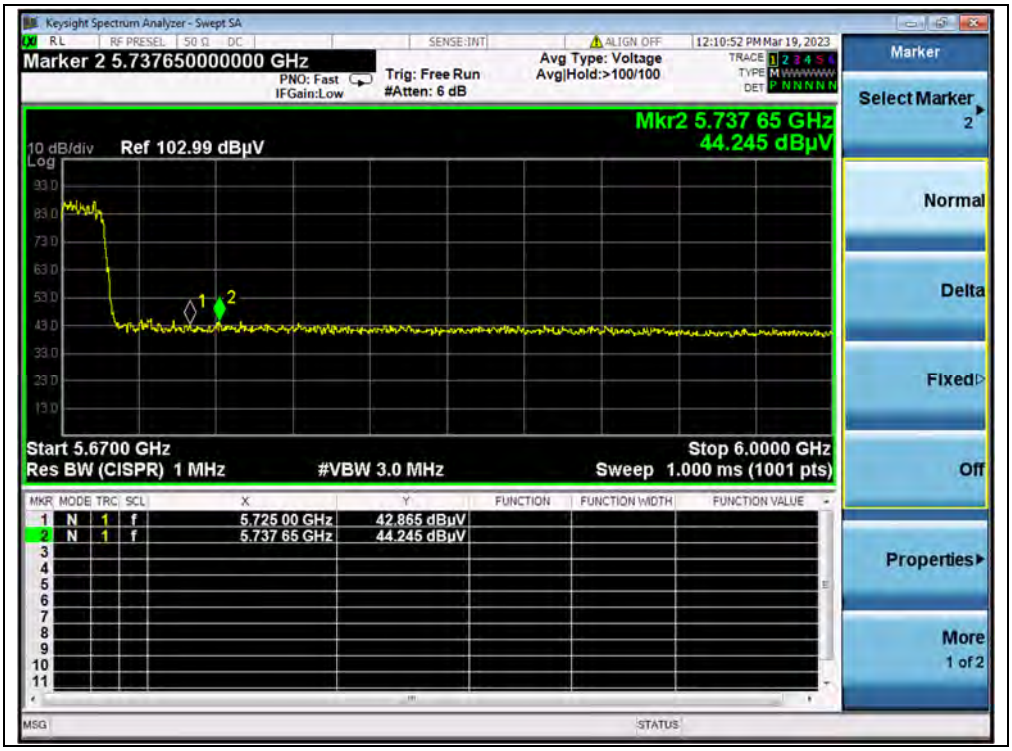
(AVERAGE, Channel 62, 802.11n (HT40))



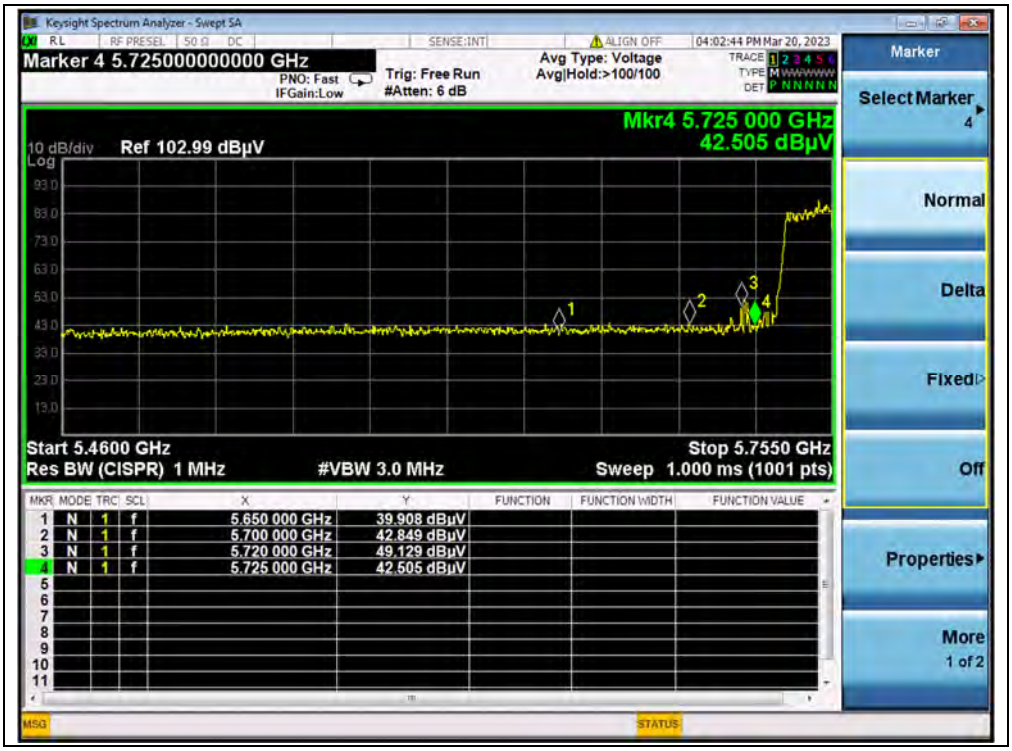
(PEAK, Channel 102, 802.11n (HT40))



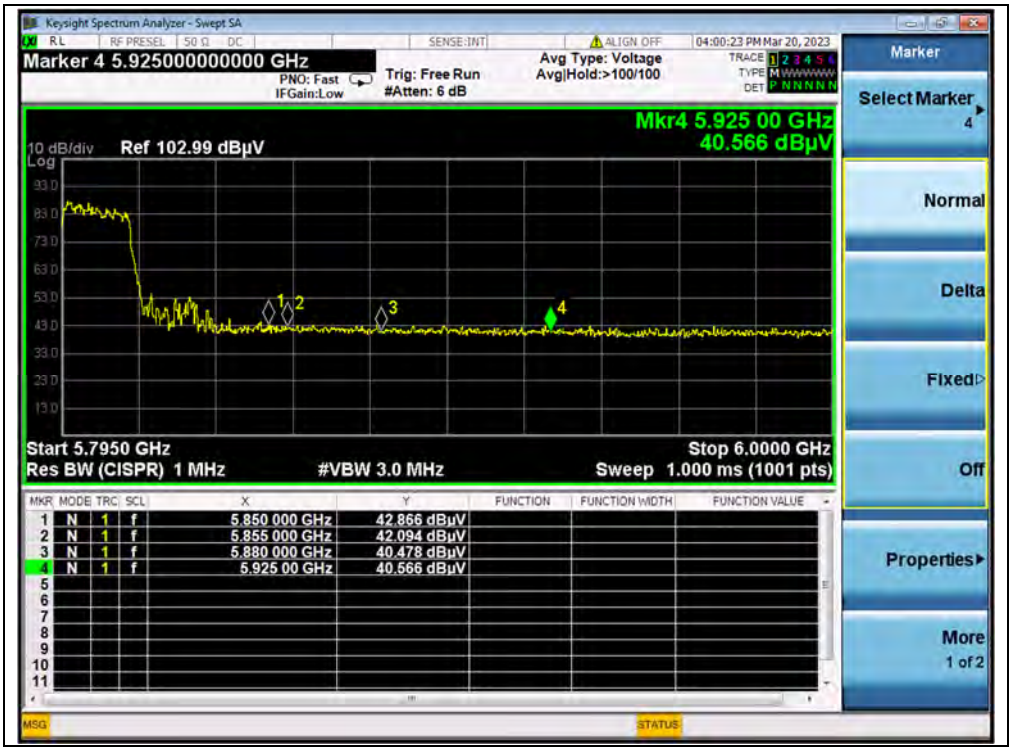
(AVERAGE, Channel 102, 802.11n (HT40))



(PEAK, Channel 142, 802.11n (HT40))



(PEAK, Channel 151, 802.11n (HT40))

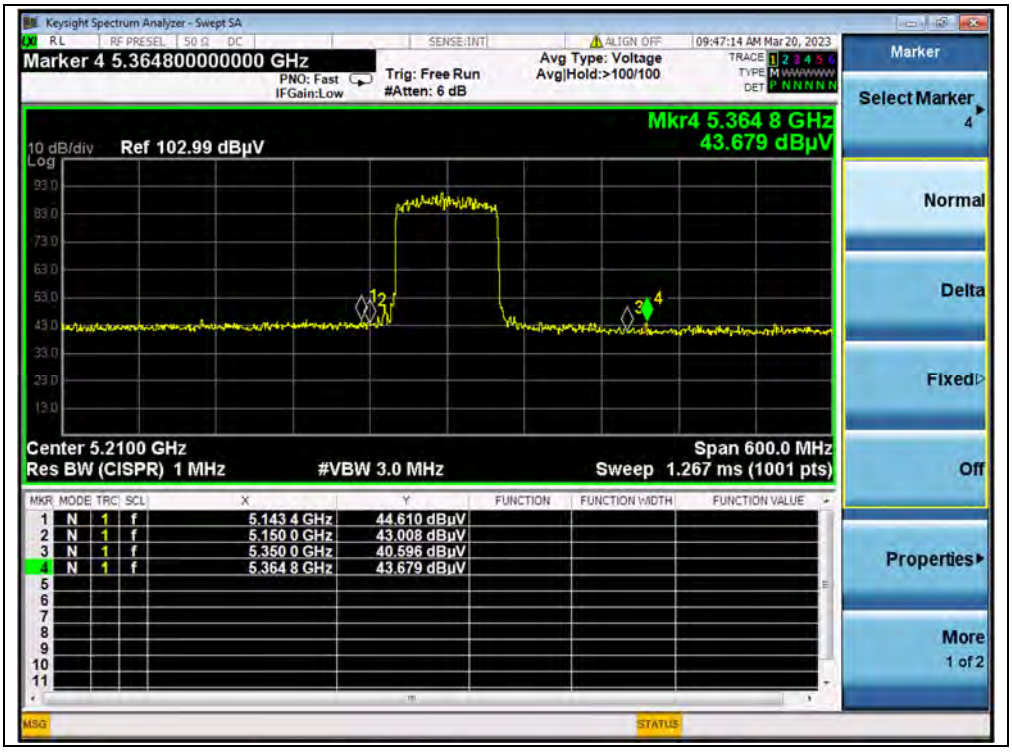


(PEAK, Channel 159, 802.11n (HT40))

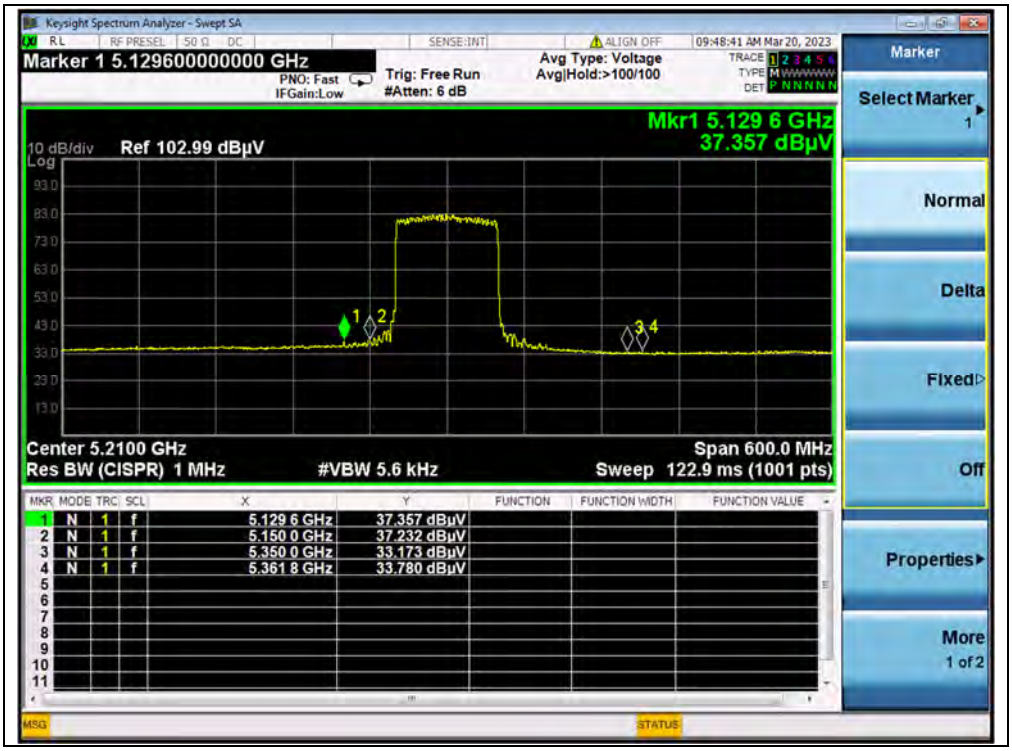
802.11ac (VHT80) Mode

Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
42	5143.40	PK	44.61	-19.54	32.20	57.27	74	PASS
42	5129.60	AV	37.36	-19.54	32.20	50.02	54	PASS
58	5139.40	PK	44.92	-18.80	32.20	58.32	74	PASS
58	5132.20	AV	35.73	-18.80	32.20	49.13	54	PASS
106	5466.93	PK	43.12	-19.20	32.20	56.12	68.23	PASS
106	5469.05	AV	33.77	-19.20	32.20	46.77	54	PASS
138	5836.20	PK	43.96	-19.20	32.20	56.96	68.23	PASS

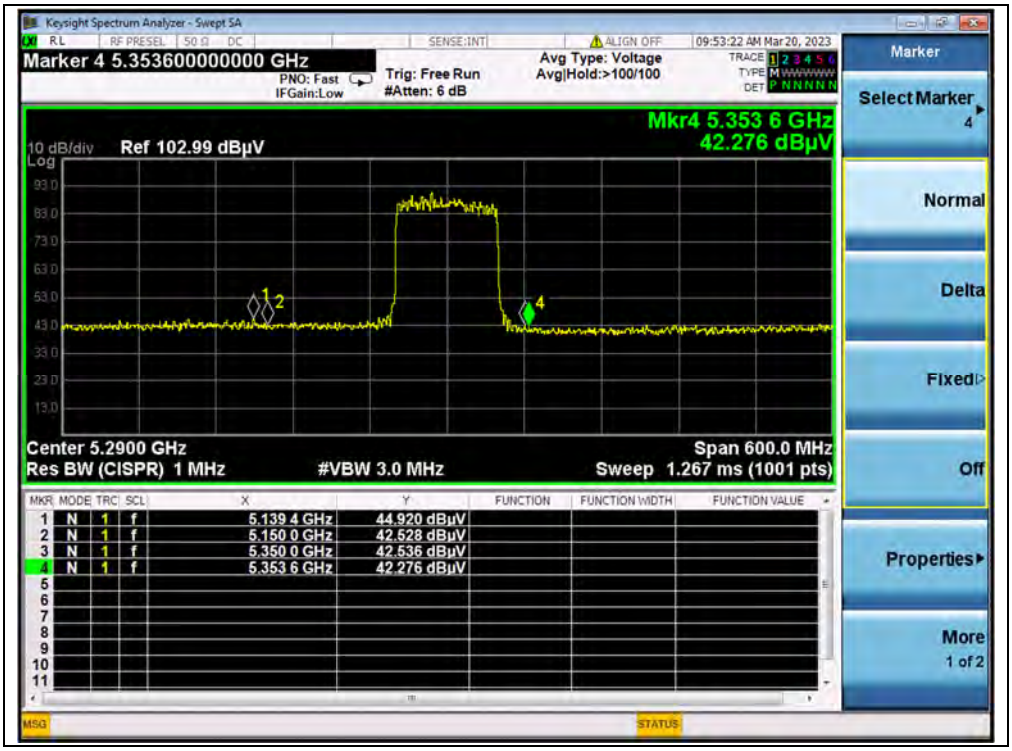
Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
155	5720.00	PK	44.92	-19.01	32.20	58.11	110.83	PASS
155	5850.00	PK	41.44	-19.01	32.20	54.63	122.23	PASS



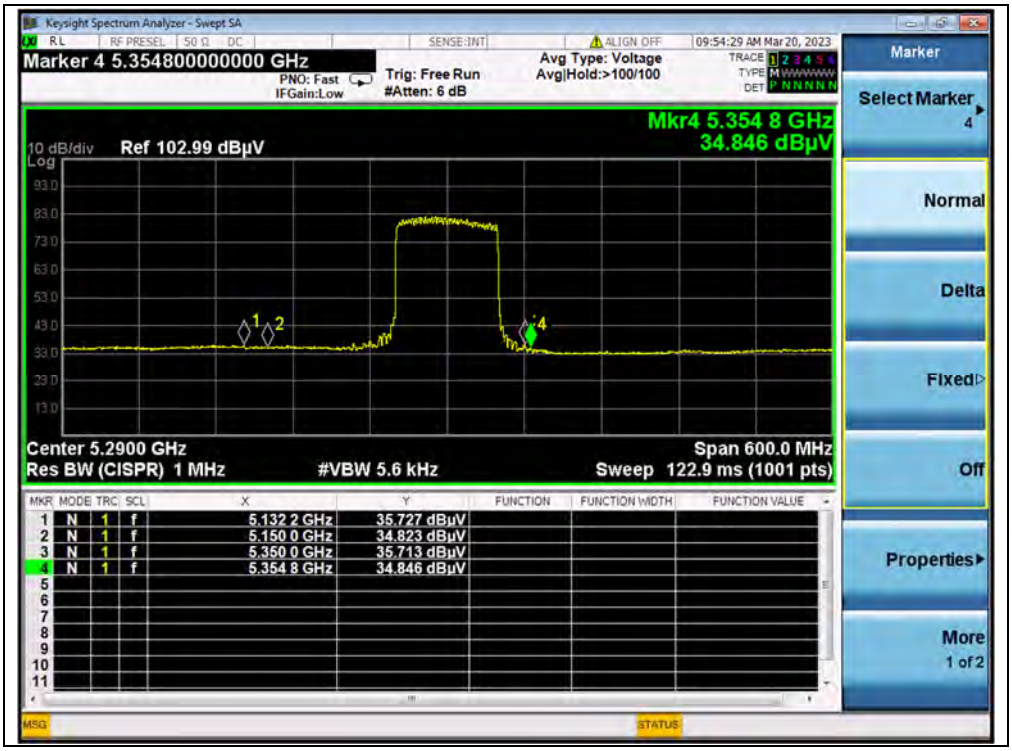
(PEAK, Channel 42, 802.11ac (VHT80))



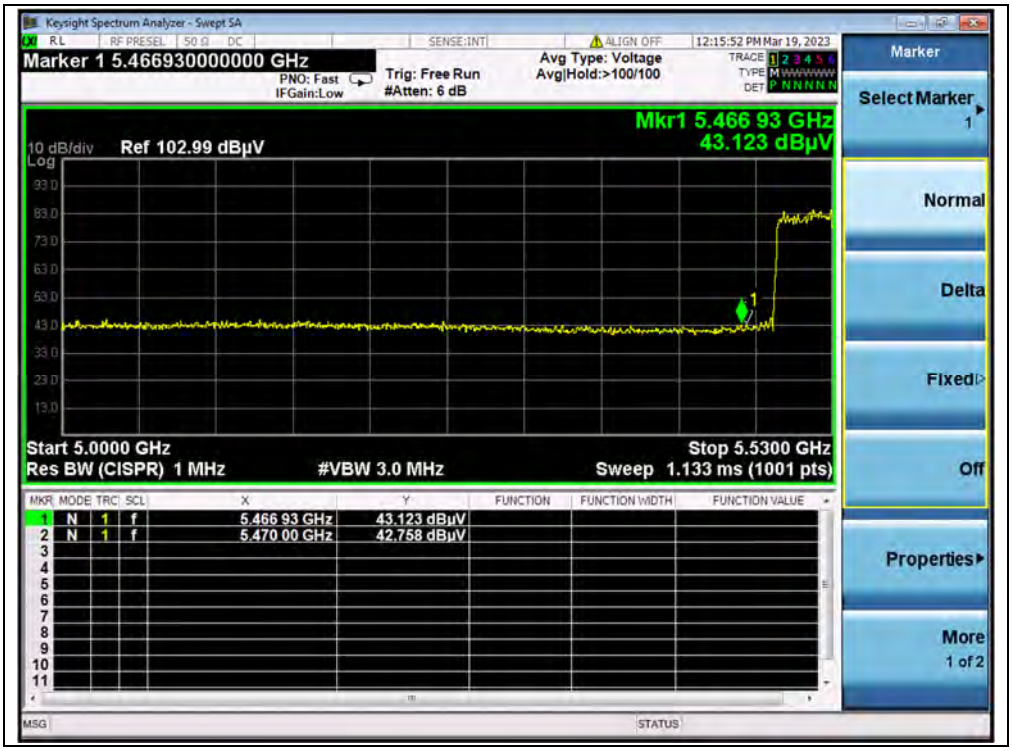
(AVERAGE, Channel 42, 802.11ac (VHT80))



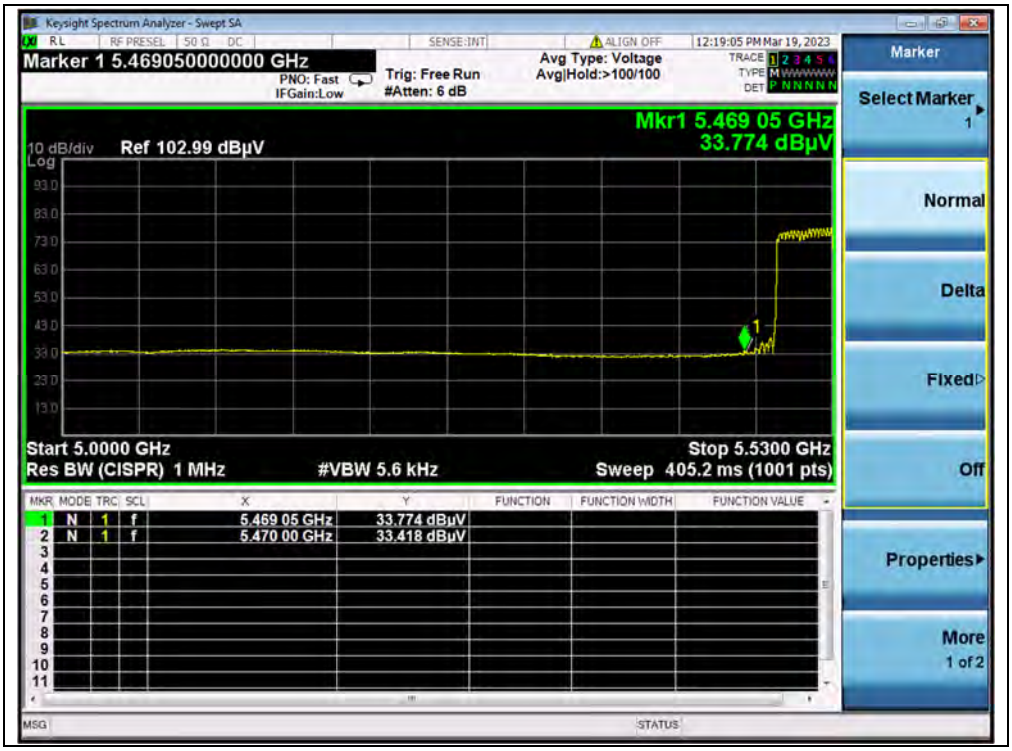
(PEAK, Channel 58, 802.11ac (VHT80))



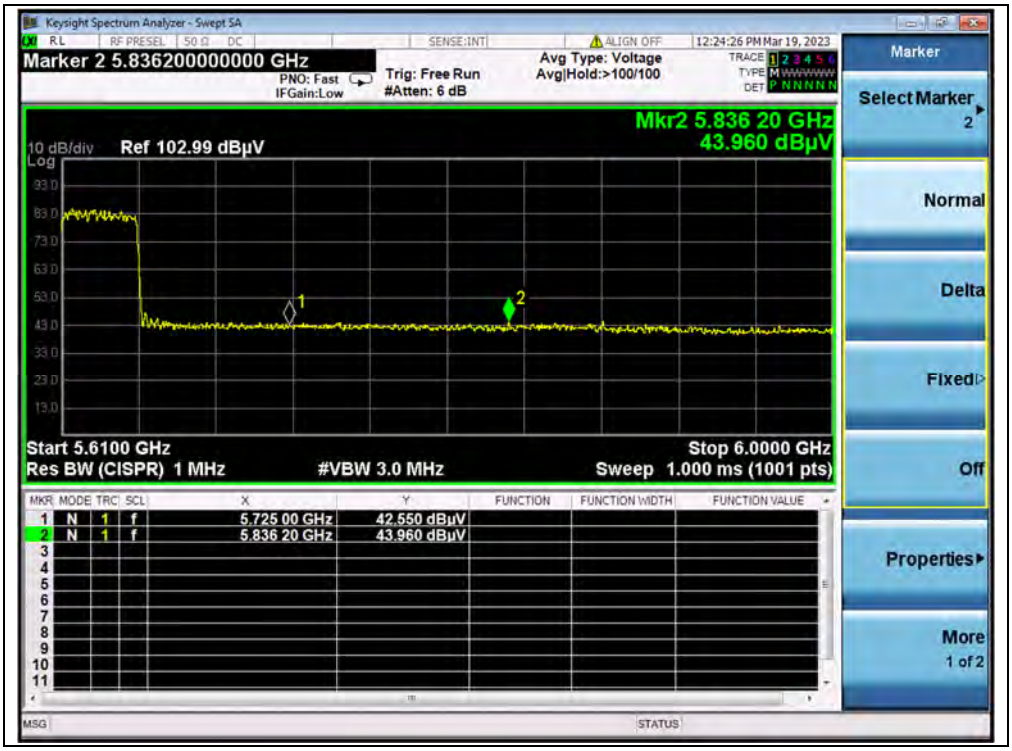
(AVERAGE, Channel 58, 802.11ac (VHT80))



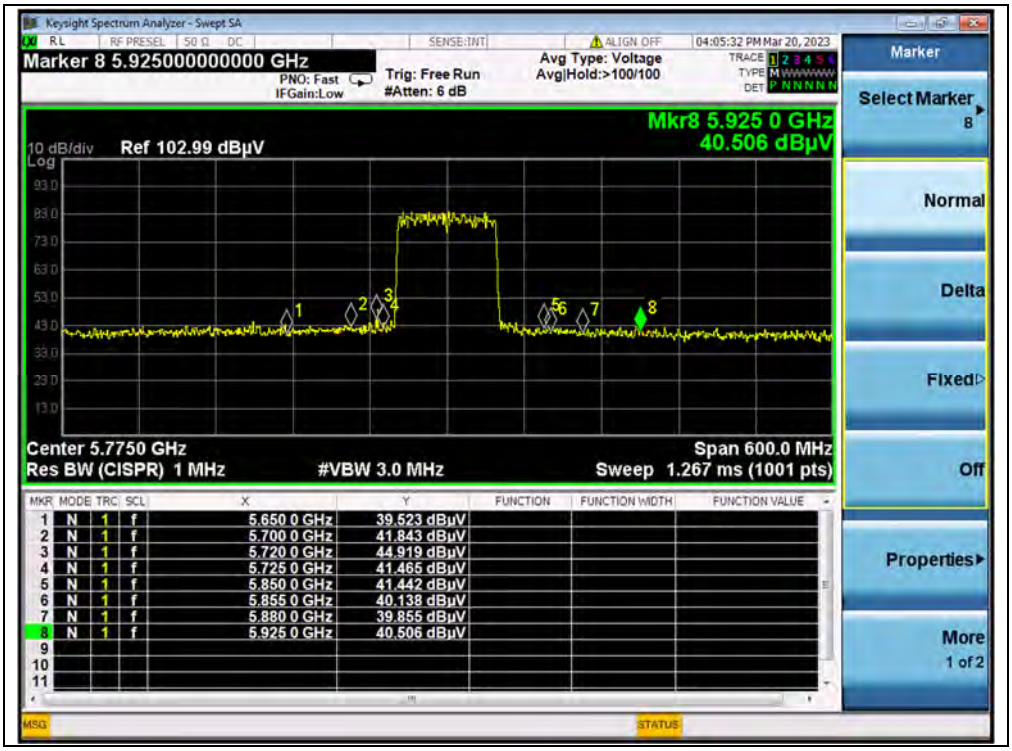
(PEAK, Channel 106, 802.11ac (VHT80))



(AVERAGE, Channel 106, 802.11ac (VHT80))



(PEAK, Channel 138, 802.11ac (VHT80))



(PEAK, Channel 155, 802.11ac (VHT80))

802.11ac (VHT160) Mode

A.Test Verdict:

Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
50	5033.31	PK	46.96	-19.54	32.20	59.62	74	PASS
50	5122.85	AV	36.97	-19.54	32.20	49.63	54	PASS
50	5095.07	PK	45.25	-19.54	32.20	57.91	74	PASS
50	5134.93	AV	35.02	-19.54	32.20	47.68	54	PASS
114	5470.00	PK	49.02	-19.20	32.20	62.02	68.23	PASS
114	5467.00	AV	37.19	-19.20	32.20	50.19	54	PASS
114	5736.00	PK	43.46	-19.20	32.20	56.46	68.23	PASS
114	5741.00	AV	34.45	-19.20	32.20	47.45	54	PASS

B.Test Plot:

(PEAK, Channel 50, 802.11ac (VHT160))

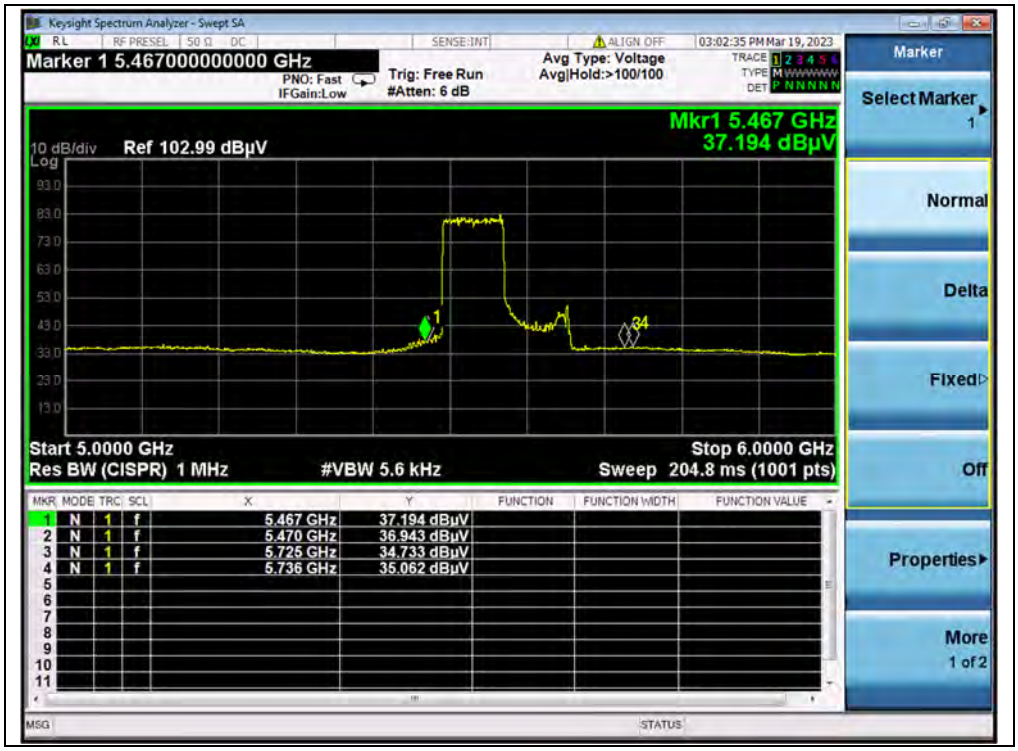
(PEAK, Channel 50, 802.11ac (VHT160))

(AVERAGE, Channel 50, 802.11ac (VHT160))

(AVERAGE, Channel 50, 802.11ac (VHT160))

(PEAK, Channel 114, 802.11ac (VHT160))

(PEAK, Channel 114, 802.11ac (VHT160))



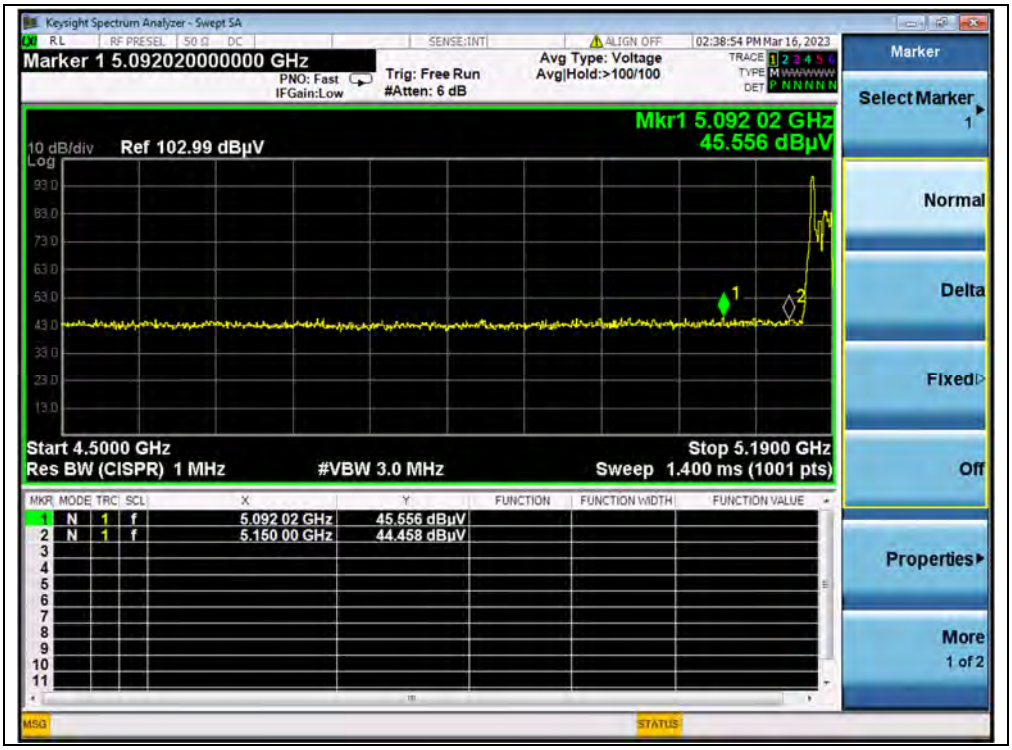
(AVERAGE, Channel 114, 802.11ac (VHT160))

(AVERAGE, Channel 114, 802.11ac (VHT160))

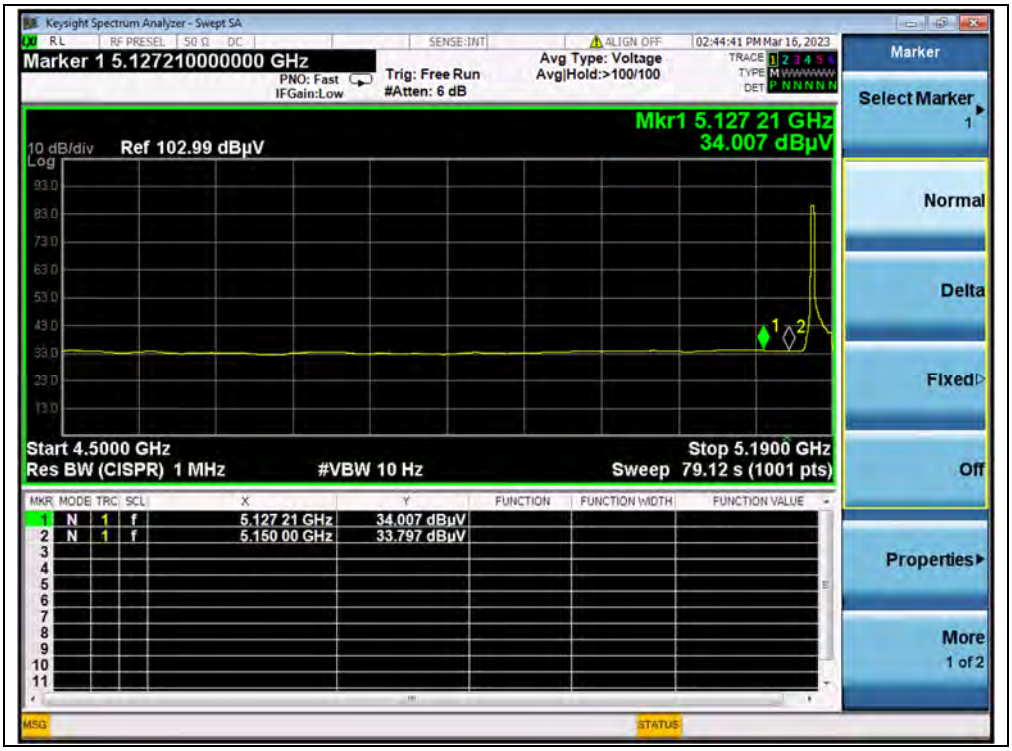
802.11ax(HEW20) RU26 Mode

Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
36	5092.02	PK	45.56	-19.54	32.20	58.22	74	PASS
36	5127.21	AV	34.01	-19.54	32.20	46.67	54	PASS
64	5352.00	PK	42.14	-18.80	32.20	55.54	74	PASS
64	5353.80	AV	30.84	-18.80	32.20	44.24	54	PASS
100	5307.97	PK	44.29	-19.20	32.20	57.29	74	PASS
100	5470.00	AV	31.37	-19.20	32.20	44.37	54	PASS
144	5799.62	PK	44.53	-19.20	32.20	57.53	68.23	PASS
149	5700.00	PK	42.07	-	32.20	55.26	105.23	PASS

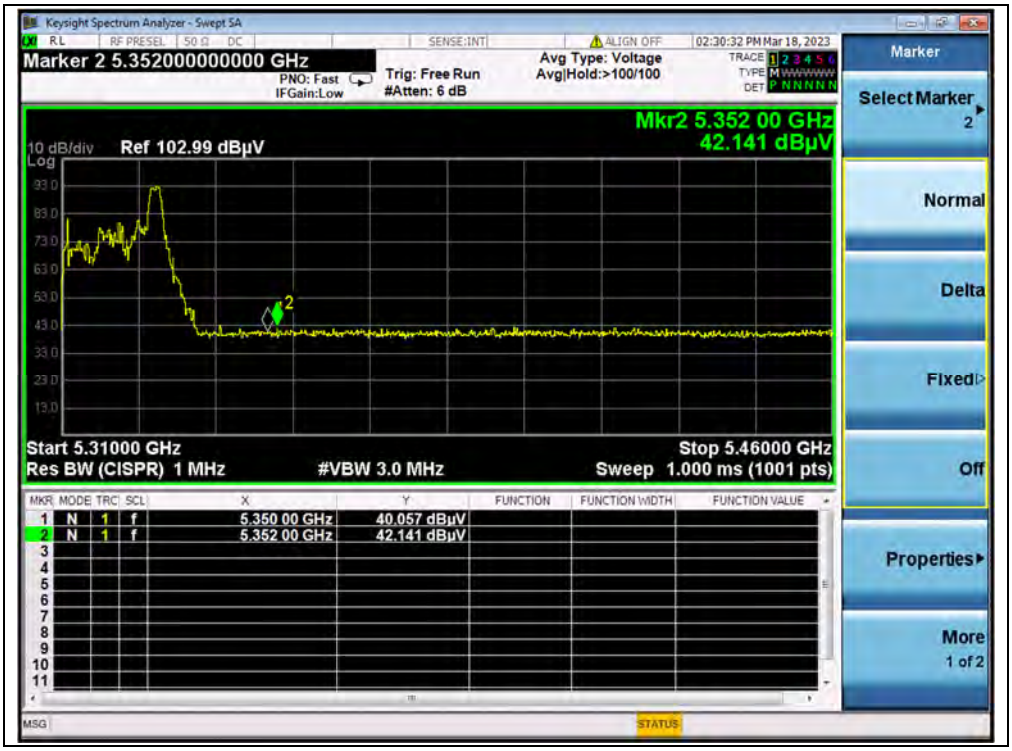
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
				19.01				
165	5880.00	PK	40.38	-19.01	32.20	53.57	101.53	PASS



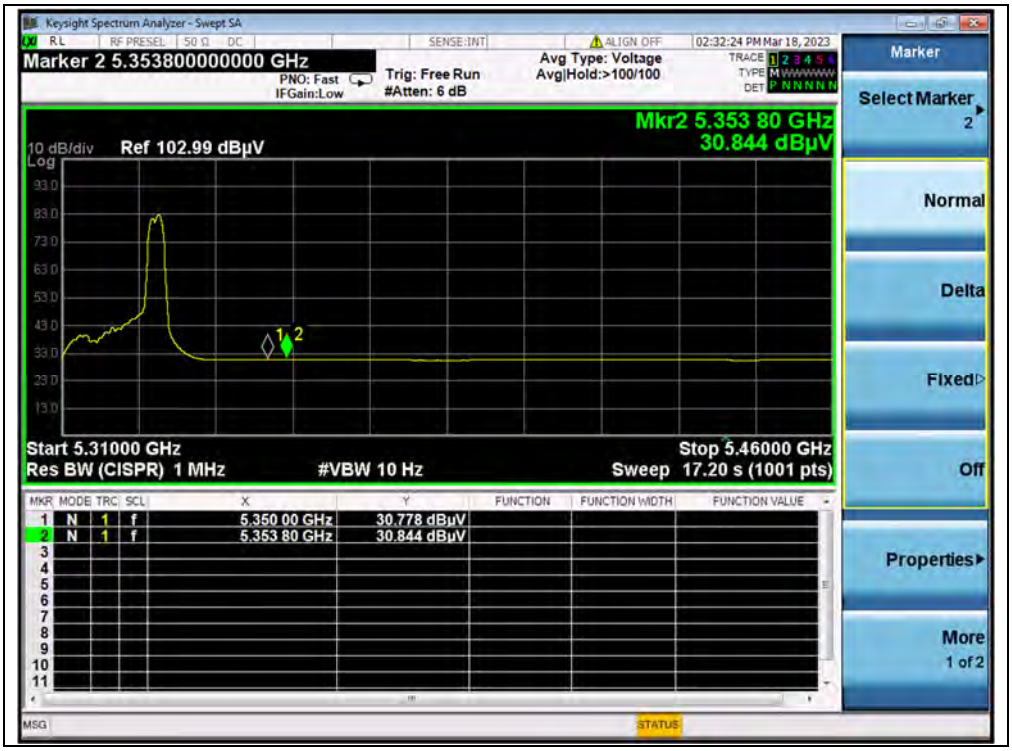
(PEAK, Channel 36, 802.11ax(HEW20) RU26)



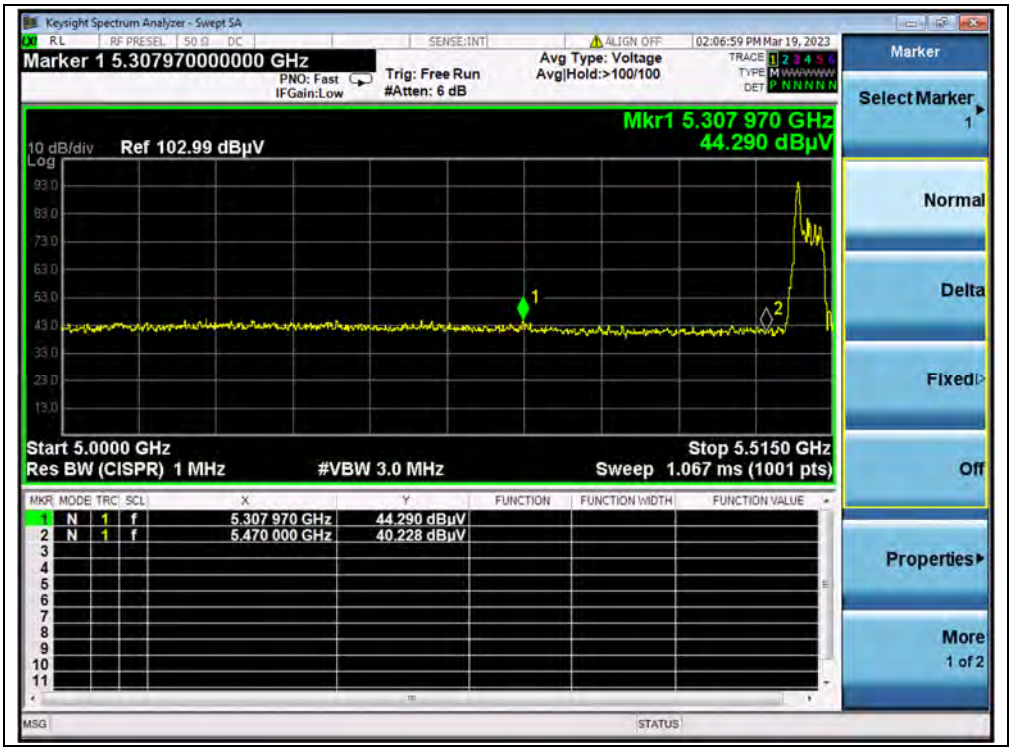
(AVERAGE, Channel 36, 802.11ax(HEW20) RU26)



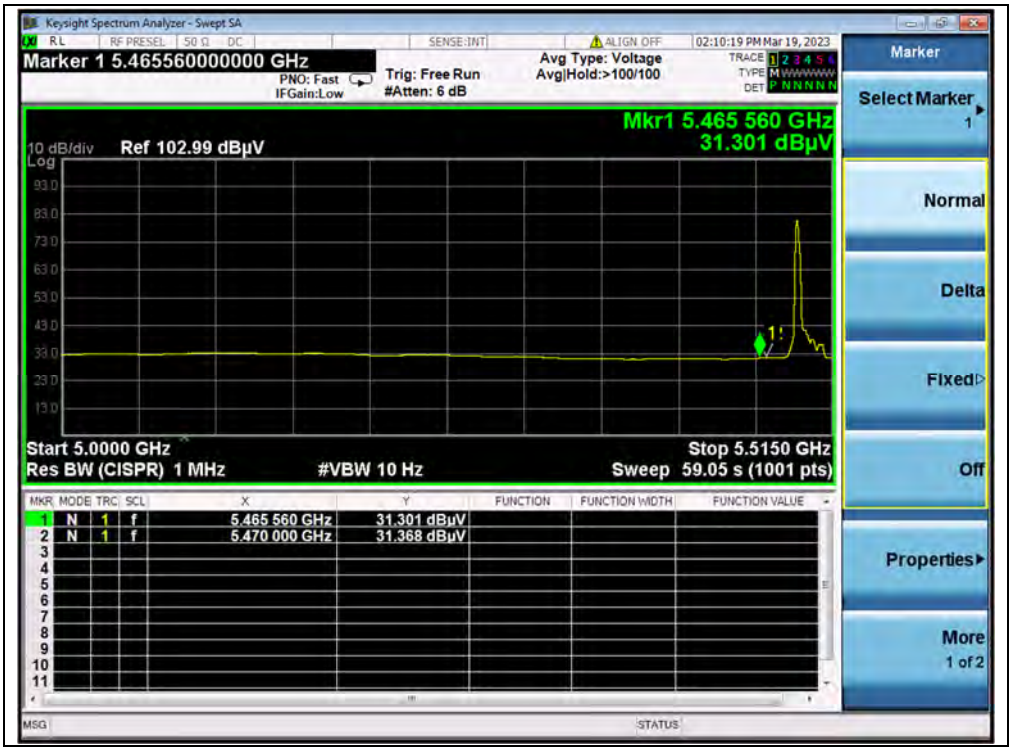
(PEAK, Channel 64, 802.11ax(HEW20) RU26)



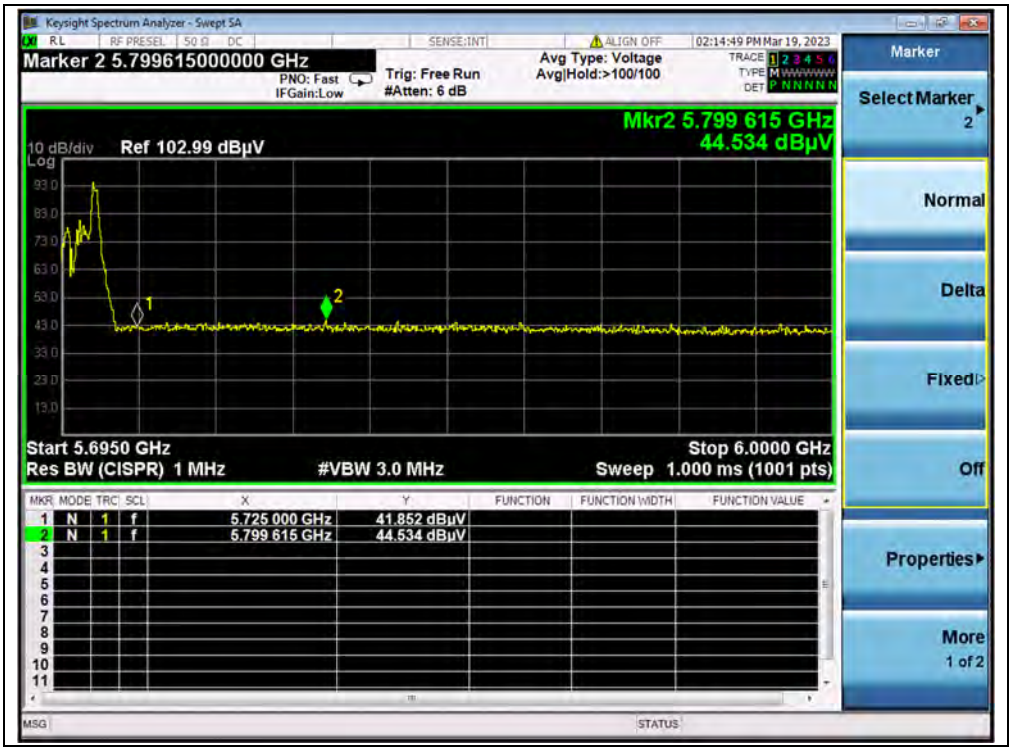
(AVERAGE, Channel 64, 802.11ax(HEW20) RU26)



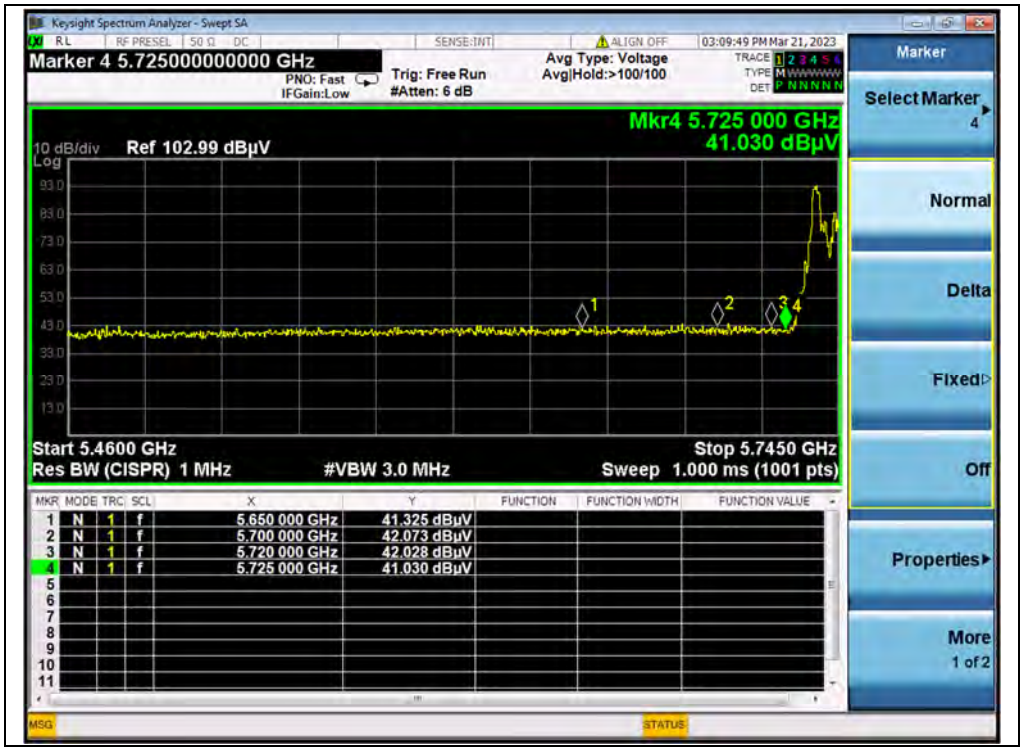
(PEAK, Channel 100, 802.11ax(HEW20) RU26)



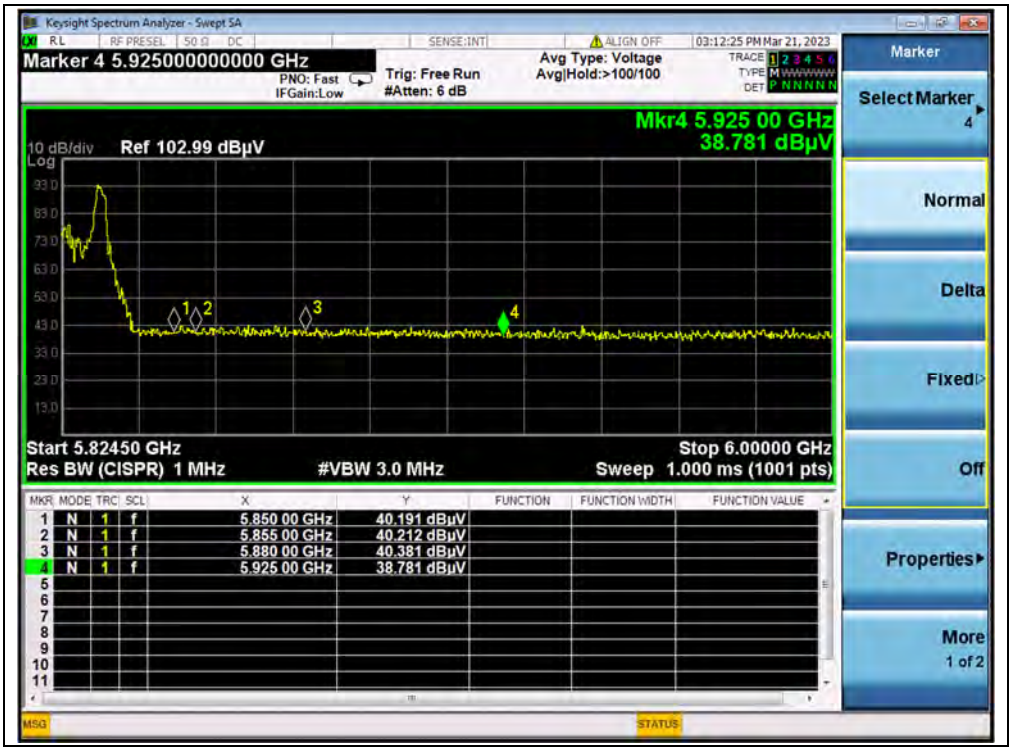
(AVERAGE, Channel 100, 802.11ax(HEW20) RU26)



(PEAK, Channel 144, 802.11ax(HEW20) RU26)



(PEAK, Channel 149, 802.11ax(HEW20) RU26)



(PEAK, Channel 165, 802.11ax(HEW20) RU26)

A.9. Radiated Emission

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak (or average) limit, it is unnecessary to perform an quasi-peak measurement (or average).

The measurement results are obtained as below:

E [dBμV/m] $=U_R + A_T + A_{Factor}$ [dB]; $A_T = L_{Cable\ loss}$ [dB]$-G_{preamp}$ [dB]

A_T: Total correction Factor except Antenna

U_R: Receiver Reading

G_{preamp}: Preamplifier Gain

A_{Factor}: Antenna Factor at 3m

During the test, the total correction Factor A_T and A_{Factor} were built in test software.

Note1: All radiated emission tests were performed in X, Y, Z axis direction under chain0 and chain1 transmit simultaneously in which four antennas transmit simultaneously. And only the worst axis(Z axis) test condition was recorded in this test report.

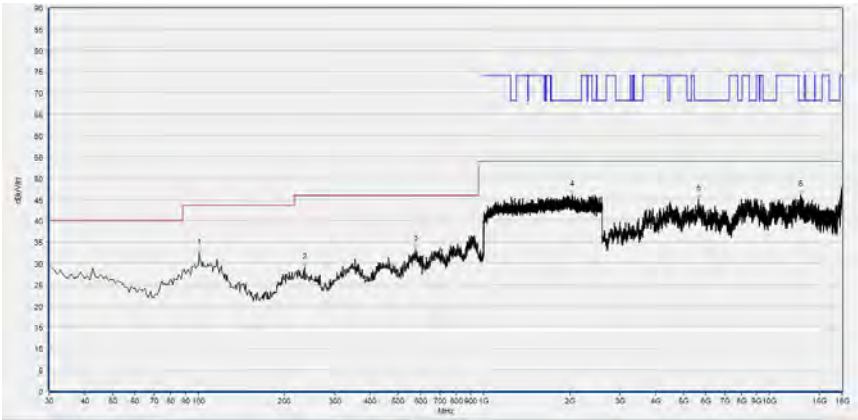
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note 4: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

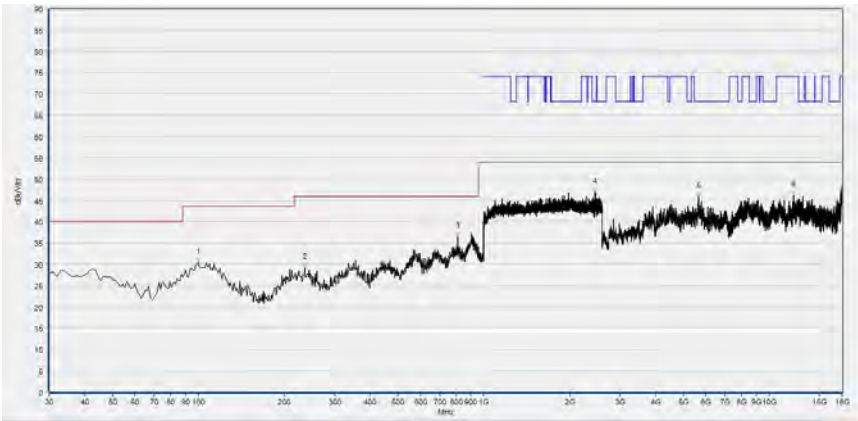
802.11a Mode

Plot for Channel 36



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	32.36	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
235.640	28.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
576.110	33.35	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2034.133	46.13	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5636.880	45.09	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12862.560	46.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

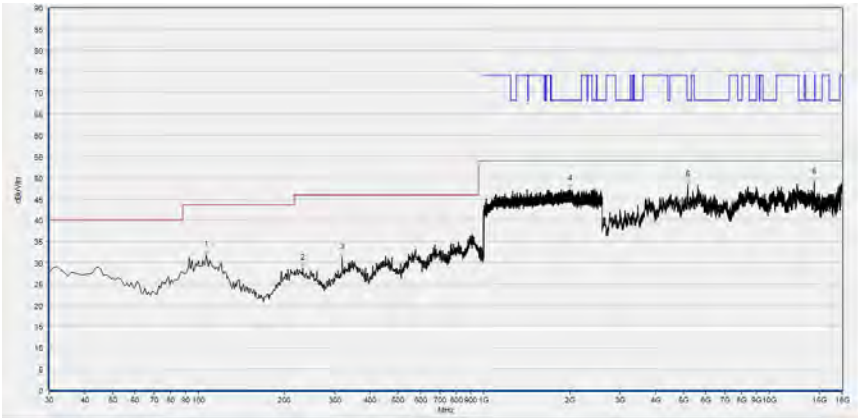
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	30.50	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
235.640	29.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
811.820	36.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2453.867	46.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5649.200	45.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12154.160	46.19	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

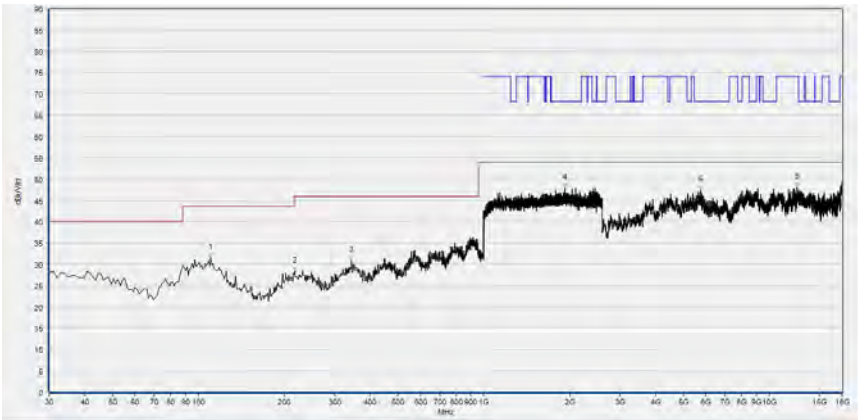
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 44



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	31.92	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
232.730	28.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
319.060	31.18	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2003.200	47.28	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5219.040	48.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14411.800	49.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

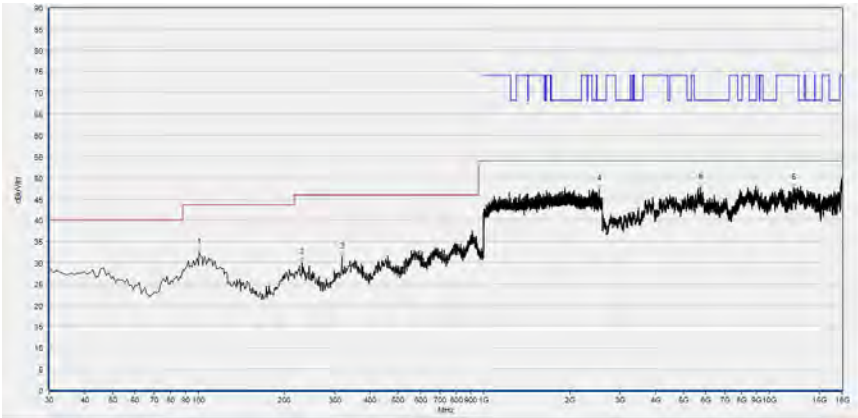
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	31.59	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
217.210	28.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
344.280	30.88	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1922.133	47.99	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5757.000	47.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12514.520	47.98	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

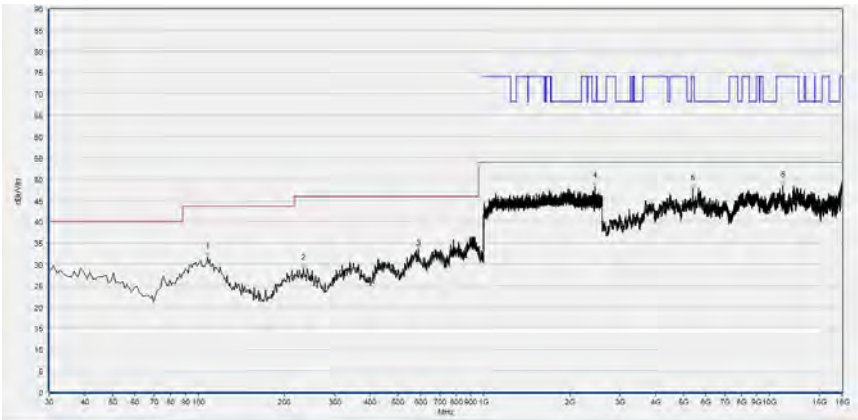
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	32.27	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
230.790	30.05	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
318.090	31.41	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2536.000	47.27	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5738.520	47.80	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12166.480	47.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

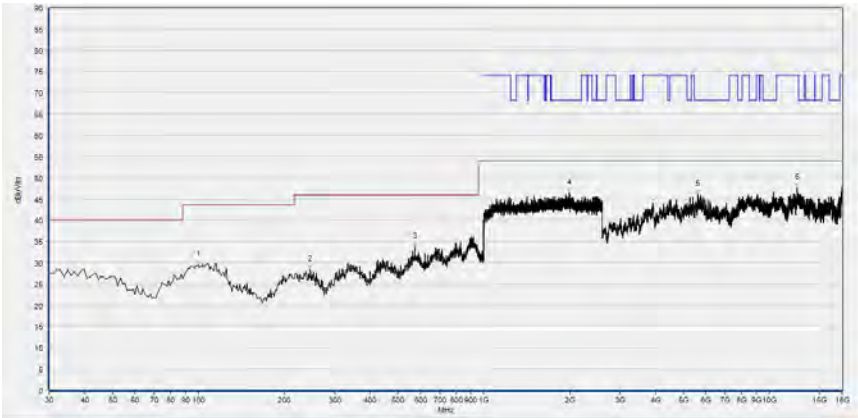
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	31.64	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
233.700	28.99	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
590.660	33.68	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2456.000	48.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5405.880	47.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11147.000	47.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

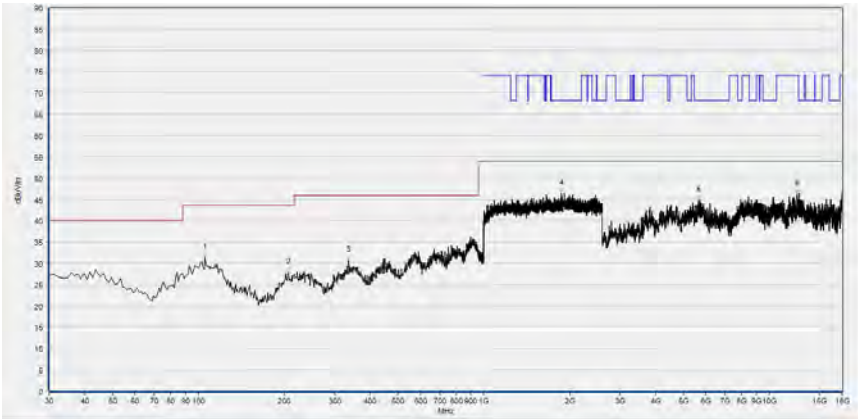
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 52



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	29.58	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
246.310	28.28	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
572.230	33.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1991.467	46.50	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5624.560	46.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12529.920	47.57	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

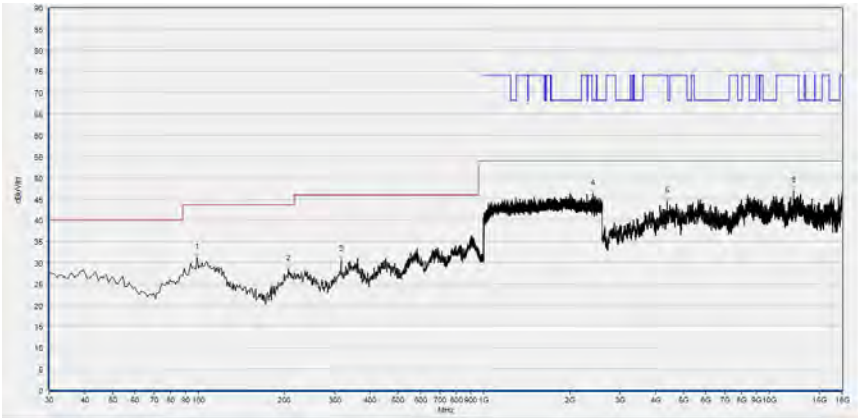
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	31.26	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
206.540	27.86	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
336.520	30.69	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1868.267	46.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5643.040	44.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12492.960	46.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

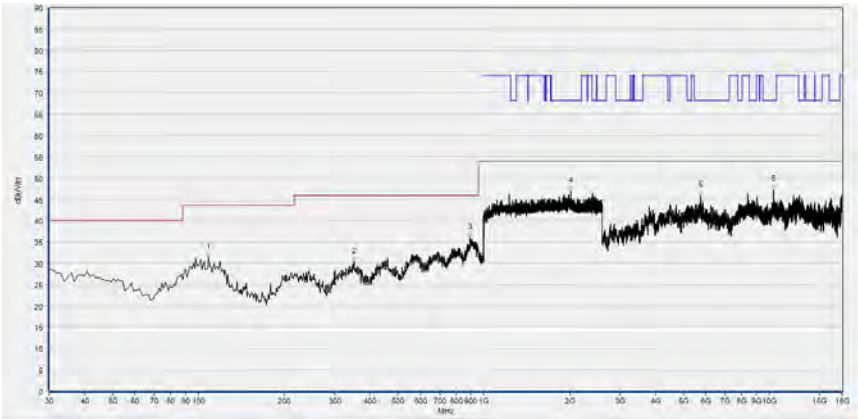
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 60



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.870	31.13	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
206.540	28.57	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
316.150	30.74	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2413.333	46.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4380.240	44.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12160.320	47.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

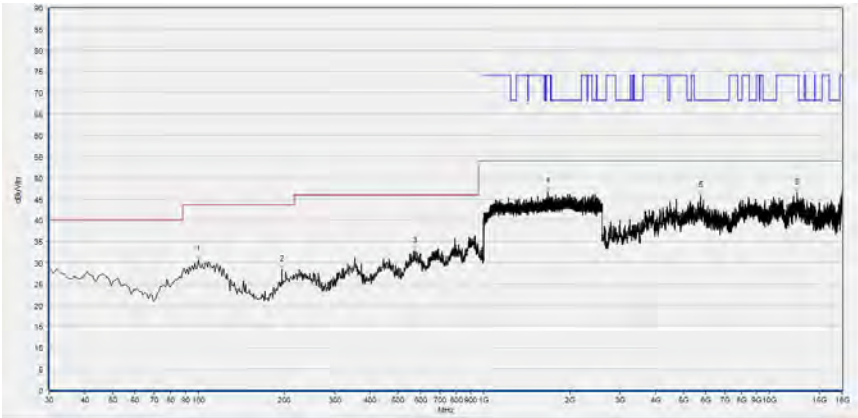
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	31.34	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
352.040	30.26	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
895.240	36.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2010.667	46.91	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5750.840	45.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10327.720	47.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

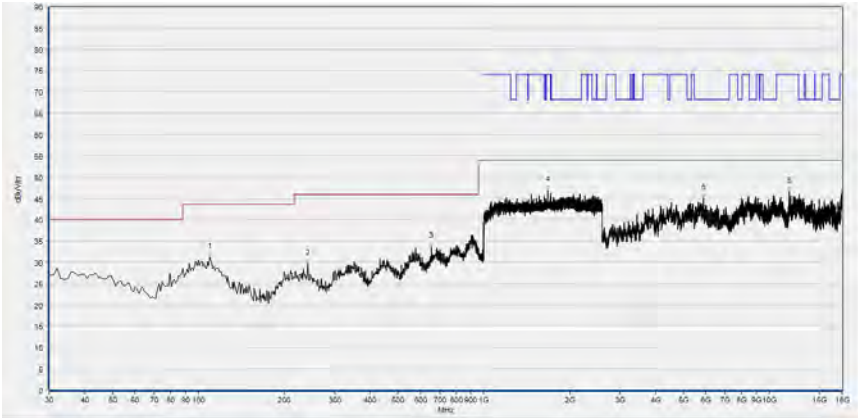
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 64



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	30.72	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
195.870	28.25	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
575.140	32.71	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1670.933	46.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5753.920	45.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12539.160	46.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

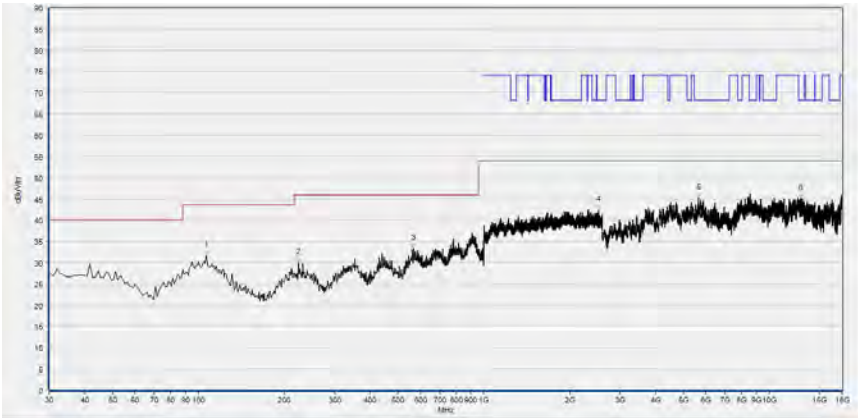
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	31.15	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
241.460	29.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
656.620	33.69	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1671.467	46.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5867.880	45.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11738.360	46.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

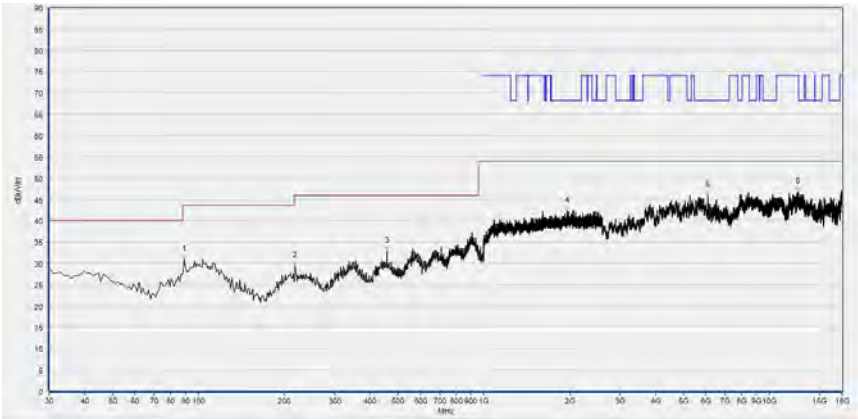
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 100



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	31.63	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
224.000	30.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
568.350	33.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2520.533	42.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5649.200	45.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12859.480	45.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

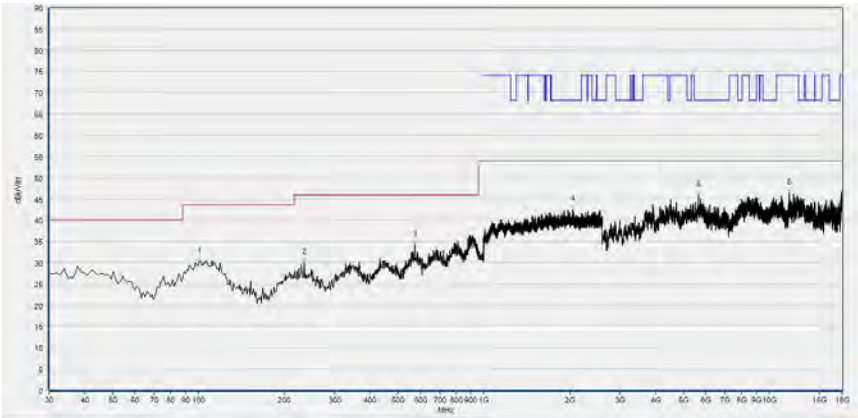
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
89.170	30.78	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
218.180	29.33	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
456.800	32.83	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1959.467	42.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6086.560	45.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12563.800	46.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

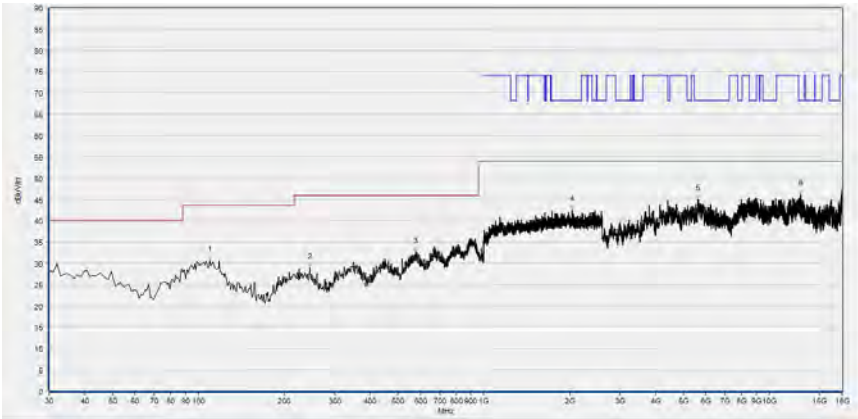
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 120



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	30.09	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
234.670	30.05	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
572.230	34.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2045.333	42.49	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5655.360	45.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11744.520	46.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

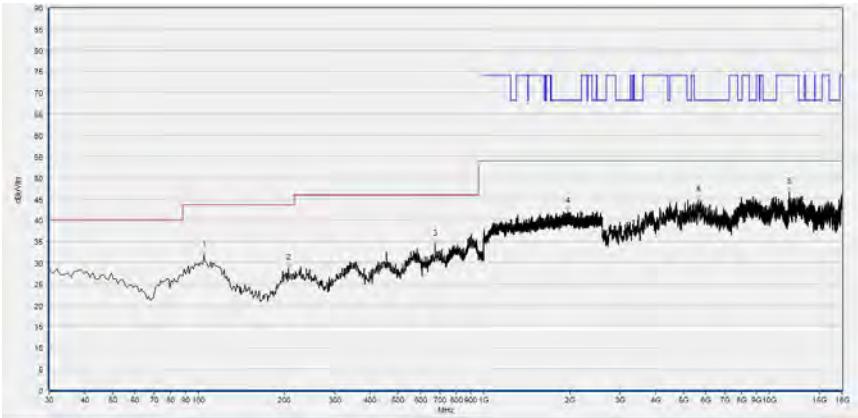
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	30.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
245.340	29.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
578.050	32.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2033.067	42.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5633.800	45.14	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12899.520	46.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

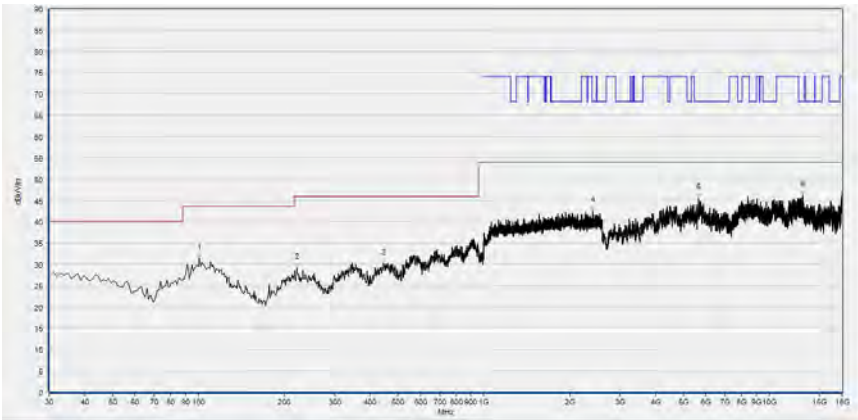
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 144



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	31.92	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
206.540	28.64	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
675.050	34.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1964.800	42.04	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5661.520	44.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11744.520	46.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

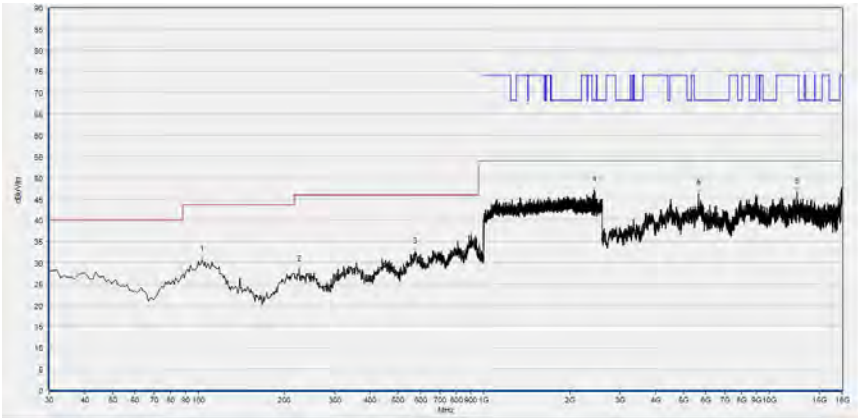
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	31.39	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
221.090	29.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
446.130	30.24	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2410.667	42.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5661.520	45.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13099.720	46.25	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

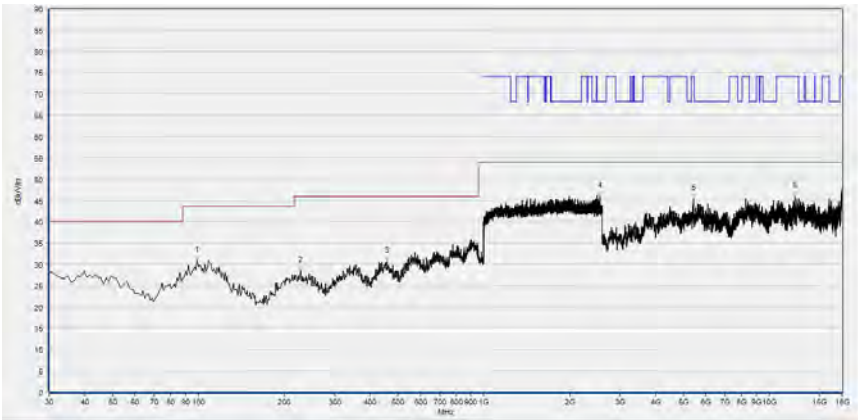
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 149



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	30.59	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
224.970	28.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
573.200	32.54	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2440.000	47.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5661.520	46.21	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12511.440	46.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

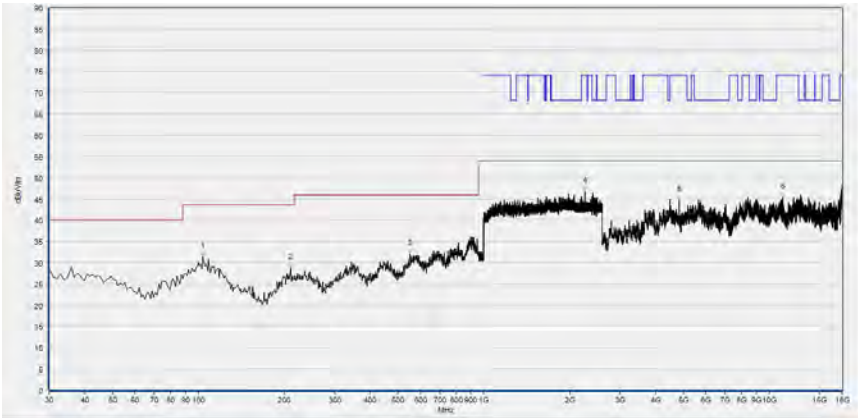
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.870	30.82	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
227.880	28.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
456.800	30.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2557.333	45.88	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5421.280	45.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12283.520	45.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

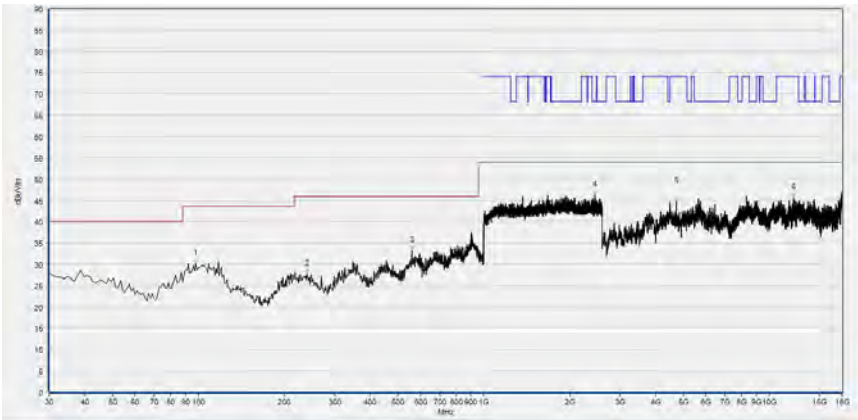
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.720	31.29	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
210.420	28.81	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
550.890	32.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2255.467	46.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4826.840	44.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11143.920	45.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

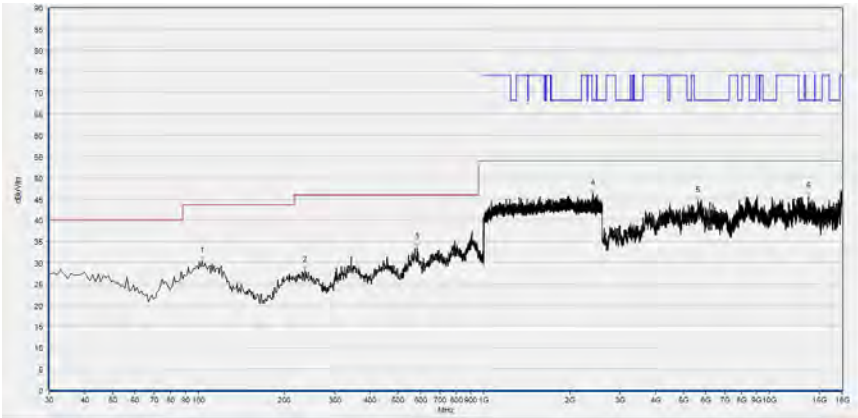
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.900	30.12	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
240.490	27.61	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
559.620	33.25	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4475.720	44.50	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4719.040	44.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12178.800	45.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

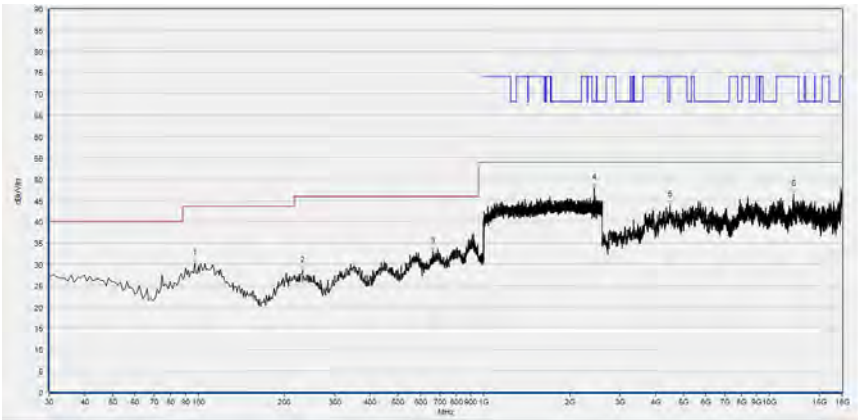
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	30.39	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
236.610	28.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
583.870	33.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2405.867	46.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5633.800	44.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13728.040	45.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

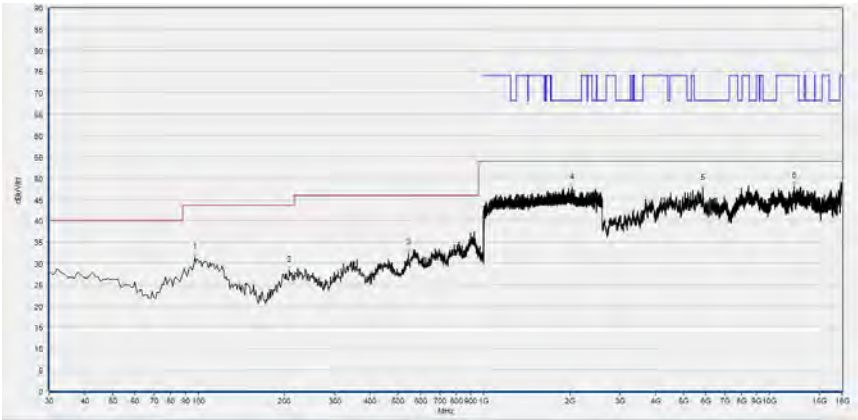


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
96.930	30.16	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
231.760	28.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
662.440	33.02	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2440.000	47.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4488.040	43.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12191.120	46.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

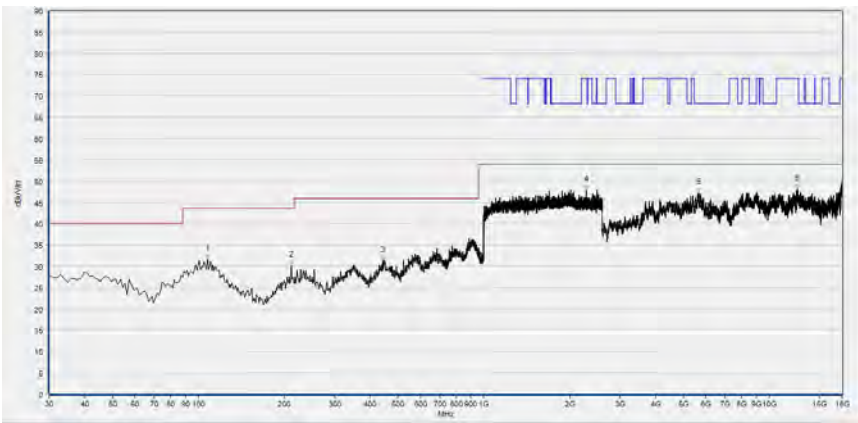
802.11n (HT40) mode

Plot for Channel 38



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
96.930	31.40	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
208.480	28.40	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
543.130	32.28	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2039.467	47.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5855.560	47.61	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12261.960	48.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

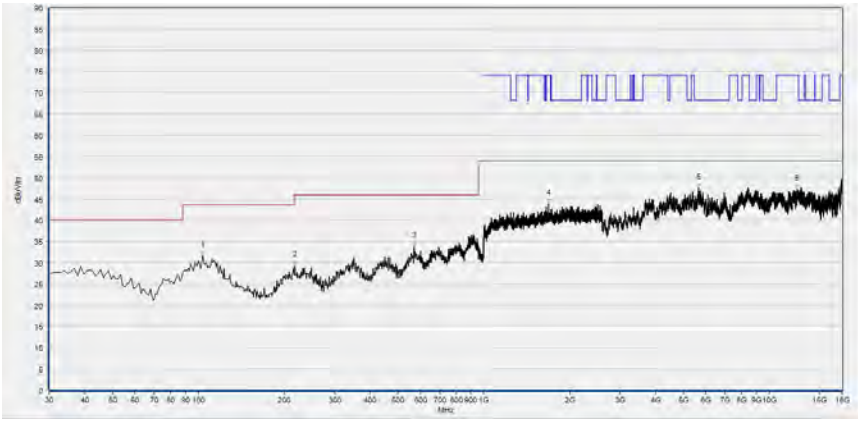
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	31.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
211.390	30.24	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
441.280	31.29	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2291.200	47.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5643.040	47.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12548.400	48.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

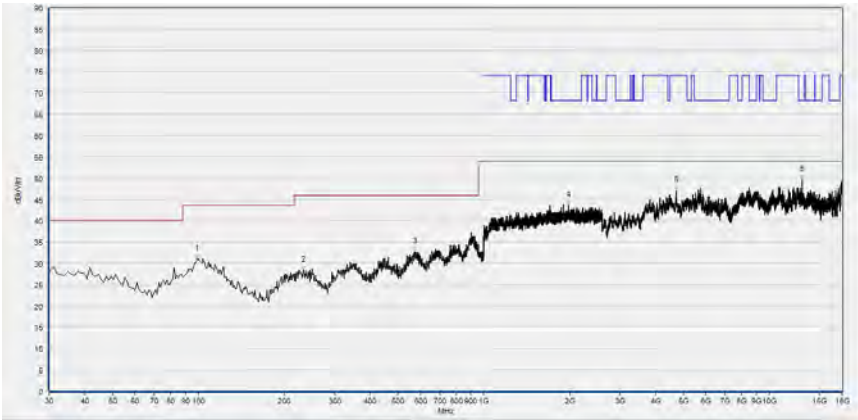
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 46



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.720	31.66	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
218.180	29.25	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
569.320	33.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1687.467	43.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5639.960	47.63	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12486.800	47.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

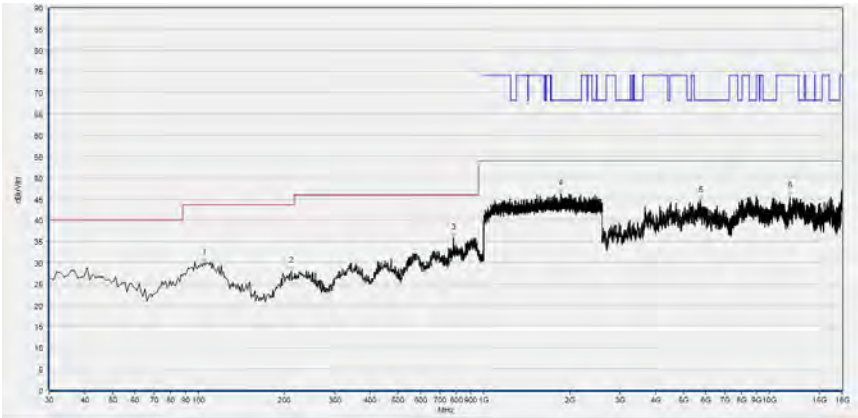
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.870	31.04	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
233.700	28.31	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
574.170	32.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1979.733	43.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4715.960	47.09	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13068.920	49.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

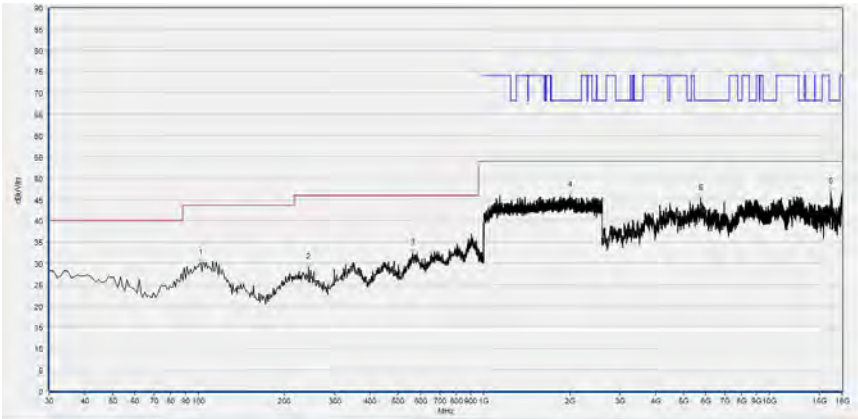
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 54



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	29.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
211.390	27.98	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
780.780	35.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1858.133	46.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5760.080	44.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11833.840	45.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

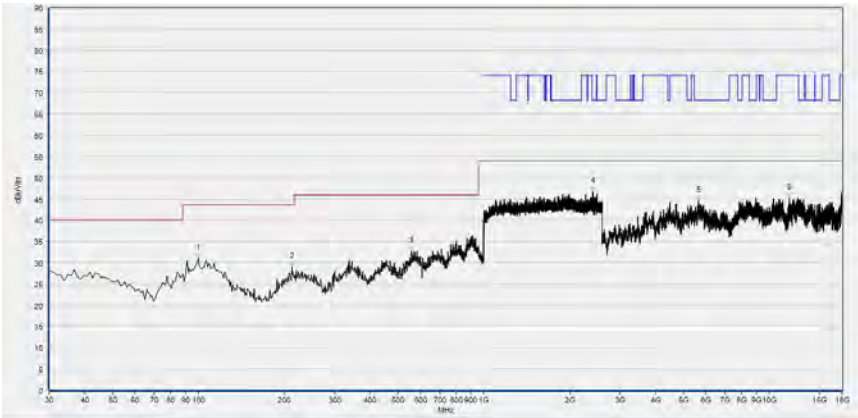
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	29.94	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
243.400	28.99	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
564.470	32.42	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1998.933	45.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5753.920	45.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16416.880	46.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

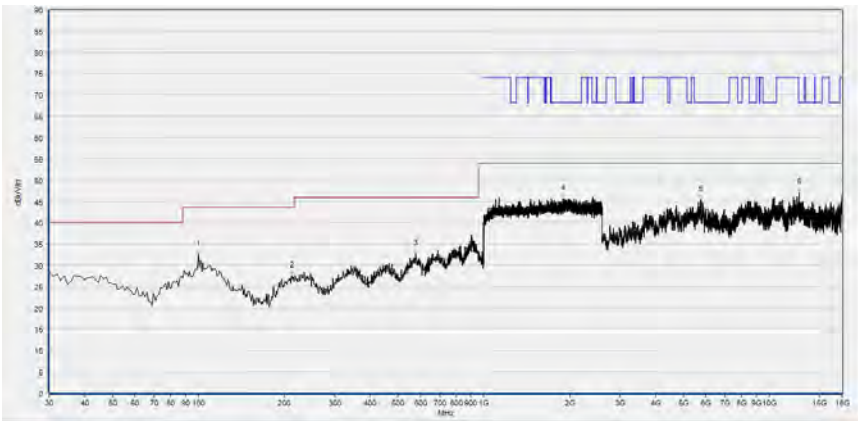
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 62



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	30.95	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
212.360	28.98	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
558.650	32.69	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2411.200	46.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5658.440	44.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11735.280	45.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

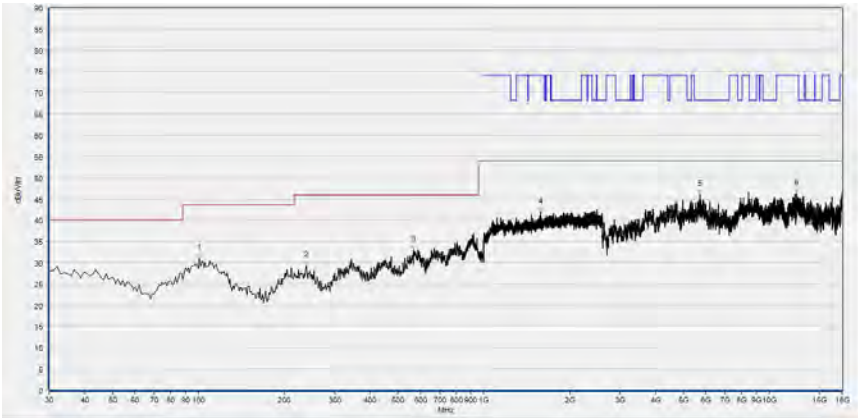
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	32.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
213.330	27.46	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
578.050	32.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1891.200	45.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5753.920	45.43	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12736.280	47.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

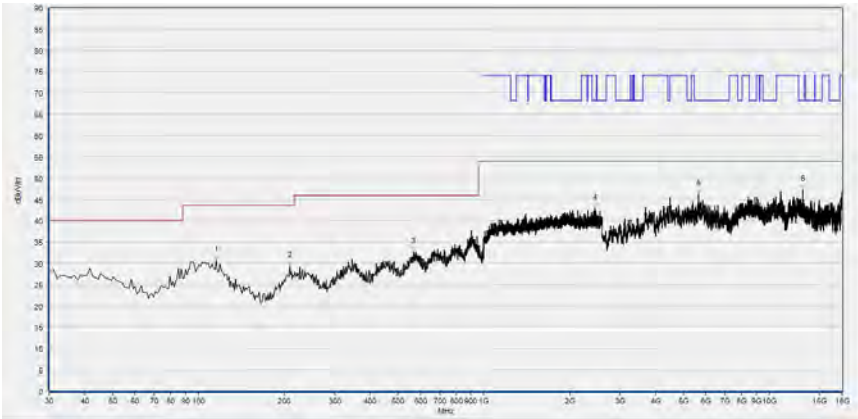
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 102



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	31.02	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
239.520	29.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
567.380	33.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1582.933	41.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5720.040	46.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12474.480	46.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

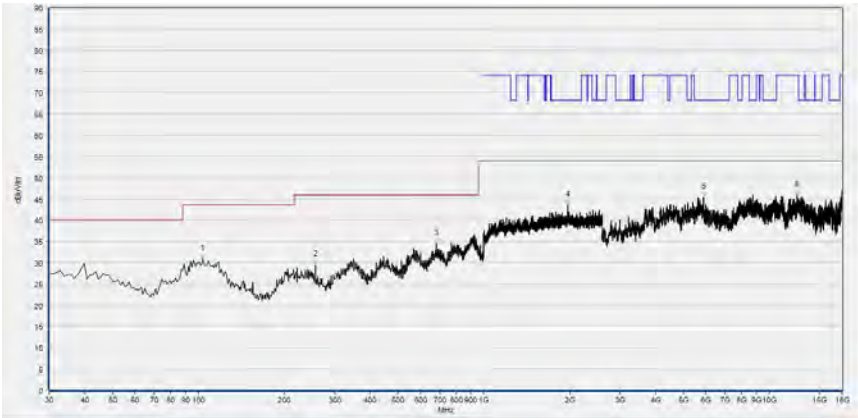
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
115.360	30.61	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
209.450	29.29	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
566.410	32.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2456.533	42.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5643.040	46.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13096.640	47.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

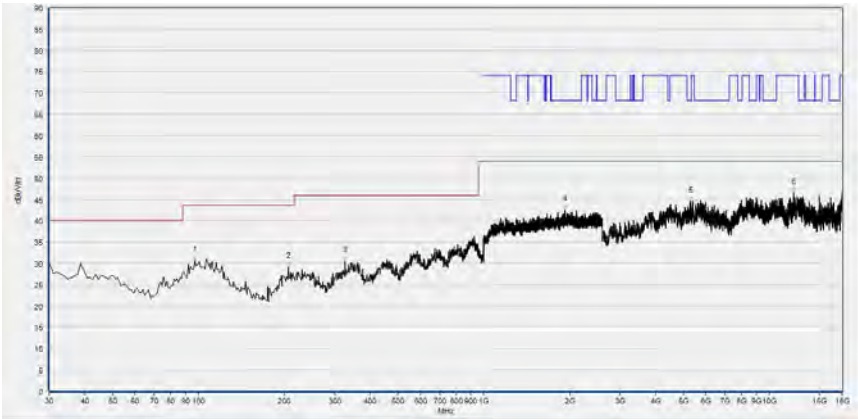
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 126



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.720	30.80	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
256.980	29.55	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
681.840	34.47	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1964.267	43.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5867.880	45.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12517.600	45.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

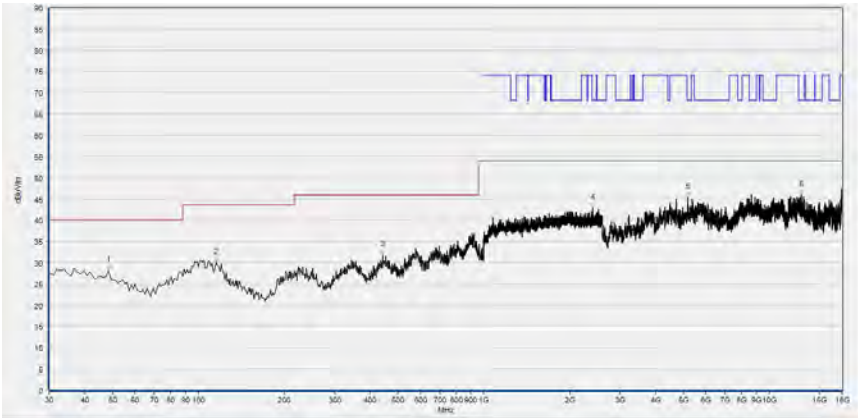
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
96.930	30.61	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
206.540	29.09	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
326.820	30.43	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1924.267	42.49	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5298.080	44.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12144.920	46.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

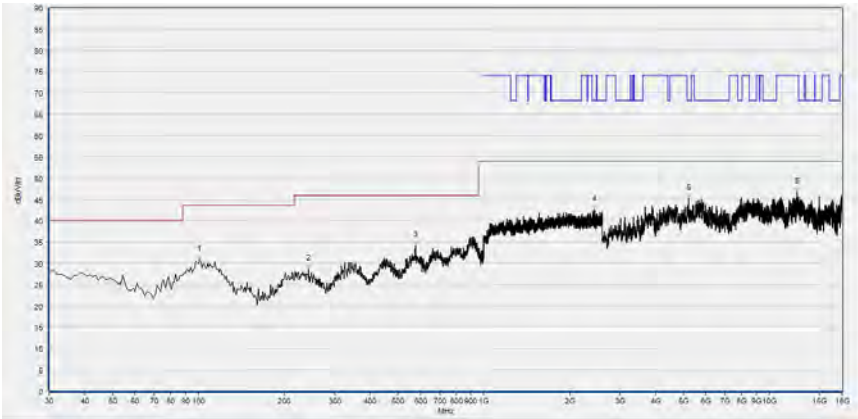
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 142



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
48.430	28.24	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
115.360	29.97	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
442.250	31.87	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2405.867	42.92	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5174.880	45.39	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12930.320	45.92	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

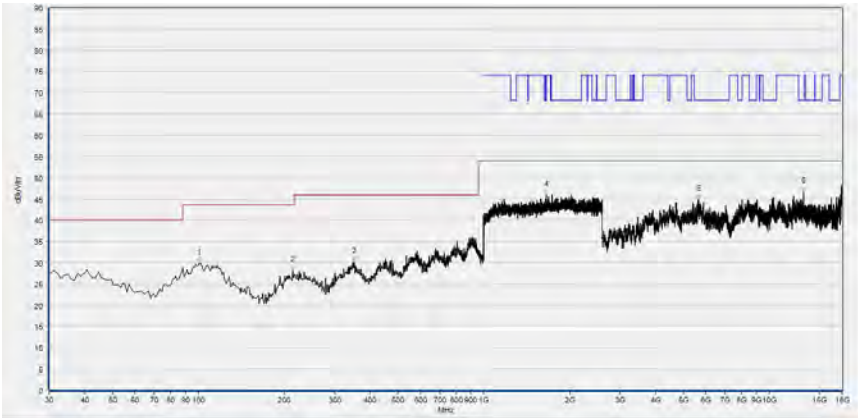
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	30.90	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
243.400	28.72	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
577.080	34.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2441.600	42.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5224.160	45.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12486.800	46.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

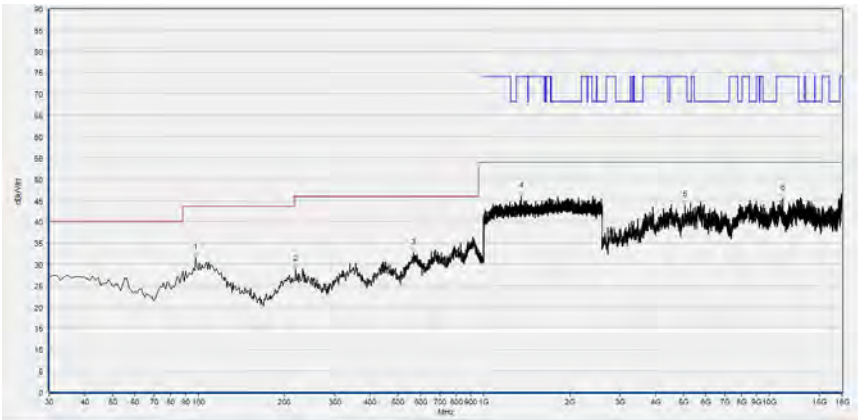
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 151



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	29.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
214.300	28.24	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
352.040	30.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1652.267	45.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5658.440	44.90	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13182.880	46.80	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

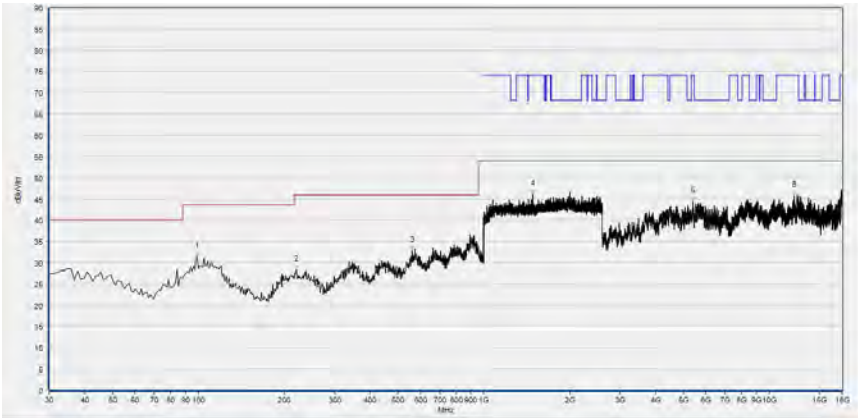
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.900	31.50	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.150	28.80	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
568.350	32.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1352.533	45.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5076.320	43.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11165.480	45.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

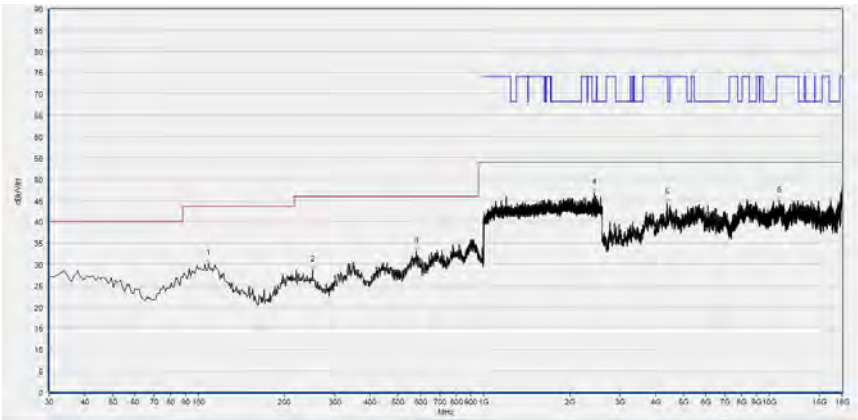
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 159



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.870	31.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
220.120	28.40	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
561.560	32.86	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1480.533	46.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5412.040	44.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12249.640	45.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

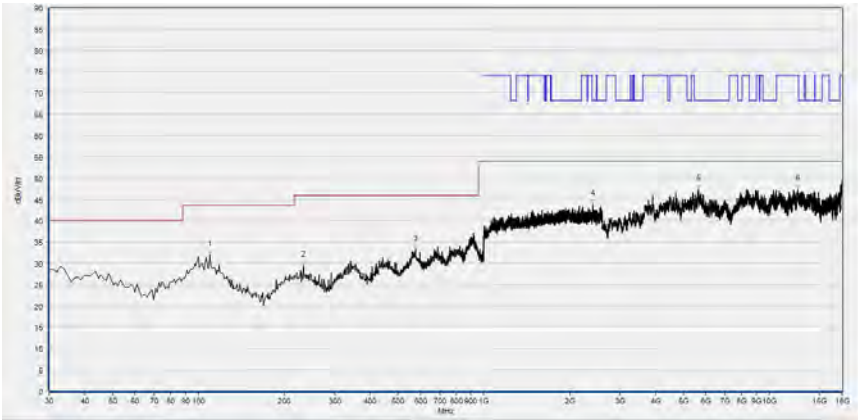


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	30.23	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
251.160	28.70	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
579.020	33.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2440.000	46.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4389.480	44.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10835.920	44.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

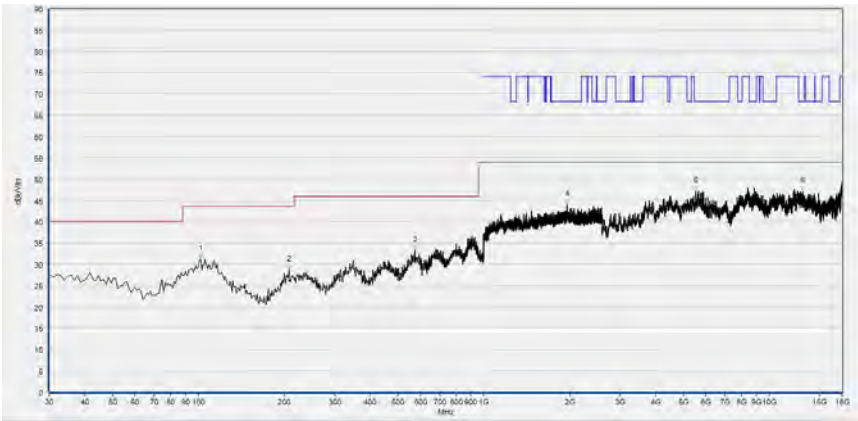
802.11ac (VHT80) Mode

Plot for Channel 42



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	32.01	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
233.700	29.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
577.080	33.34	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2404.800	43.99	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5649.200	47.45	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12579.200	47.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

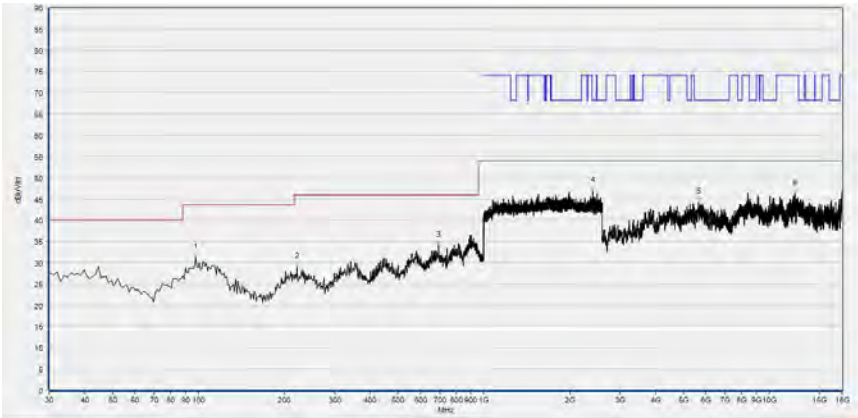
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	31.18	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
207.510	28.69	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
574.170	33.40	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1959.467	44.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5526.000	47.15	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13108.960	47.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

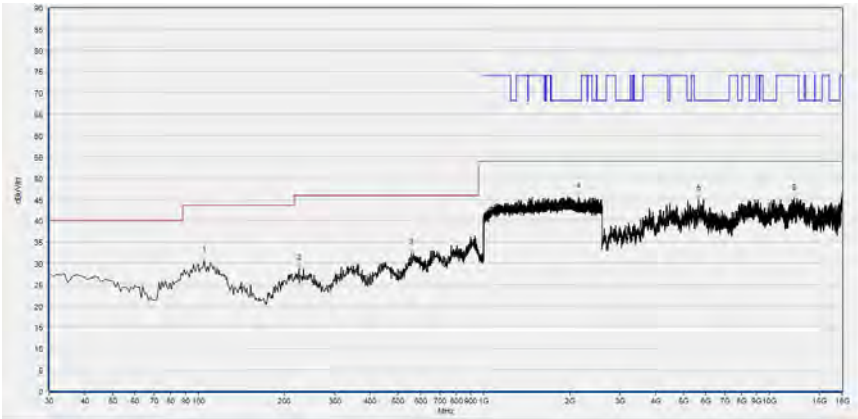
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 58



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.900	31.24	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
222.060	28.94	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
695.420	34.10	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2414.933	46.94	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5658.440	44.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12311.240	46.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

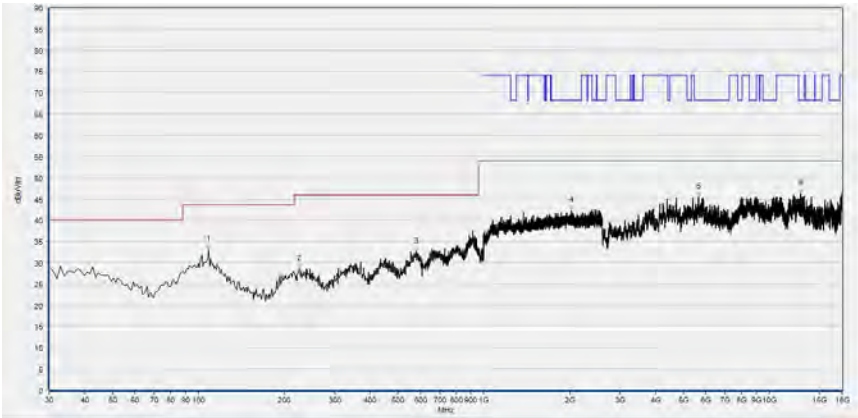
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	30.70	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
224.970	28.89	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
557.680	32.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2140.800	45.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5646.120	45.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12206.520	45.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

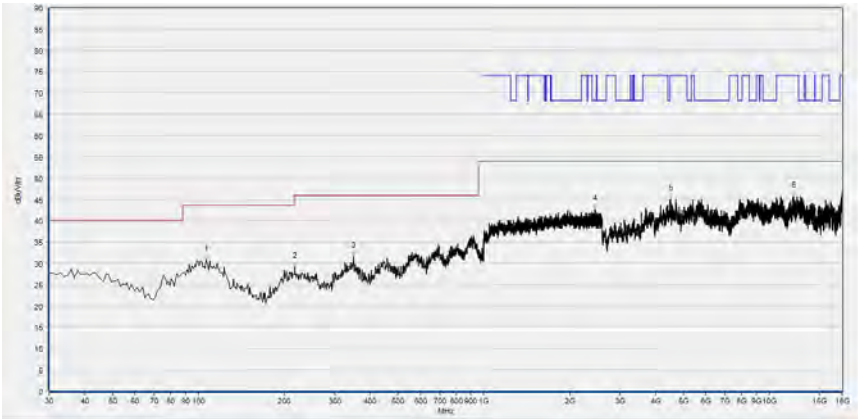
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 106



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	32.94	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
225.940	28.55	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
579.990	32.51	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2021.333	42.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5652.280	45.44	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12884.120	46.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

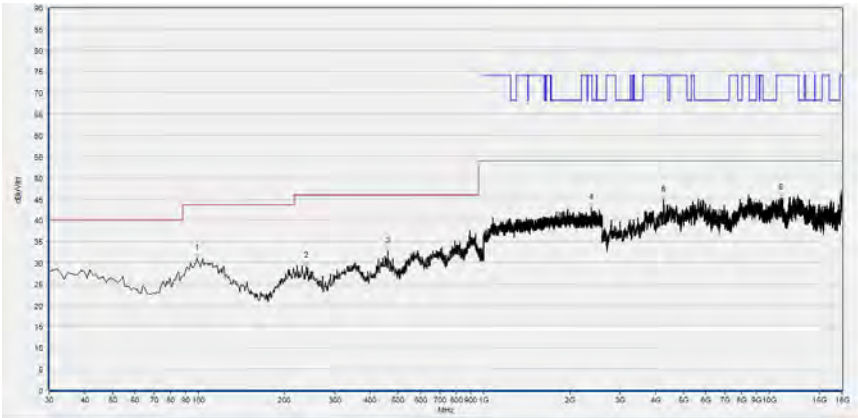
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	30.78	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
217.210	29.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
350.100	31.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2450.667	42.66	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4515.760	45.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12144.920	45.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

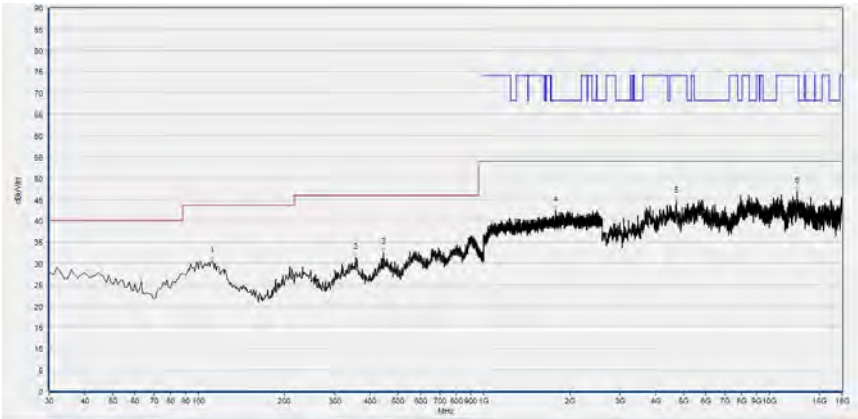
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 122



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.870	31.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
238.550	29.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
460.680	32.65	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2375.467	42.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4253.960	44.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10977.600	45.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

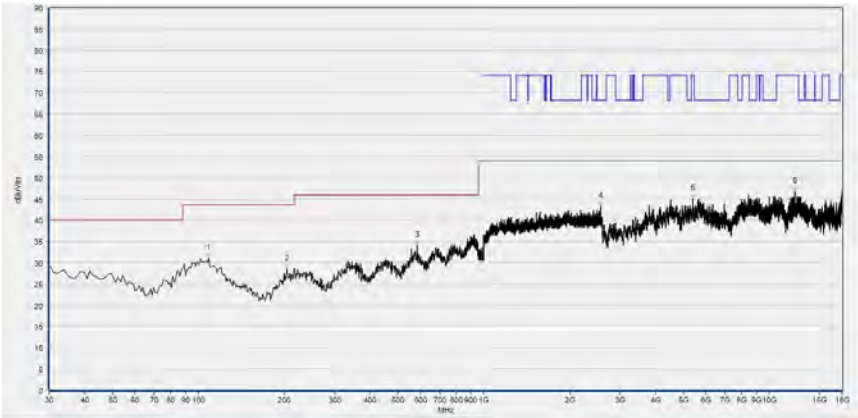
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
111.480	30.57	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
355.920	31.26	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
444.190	32.52	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1781.867	42.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4728.280	44.64	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12523.760	46.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

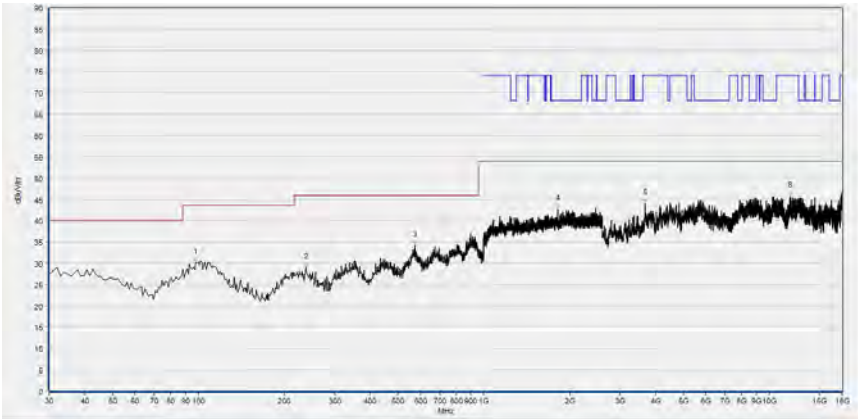
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 138



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	31.00	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
204.600	28.56	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
583.870	34.04	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2561.600	43.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5399.720	45.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12289.680	46.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

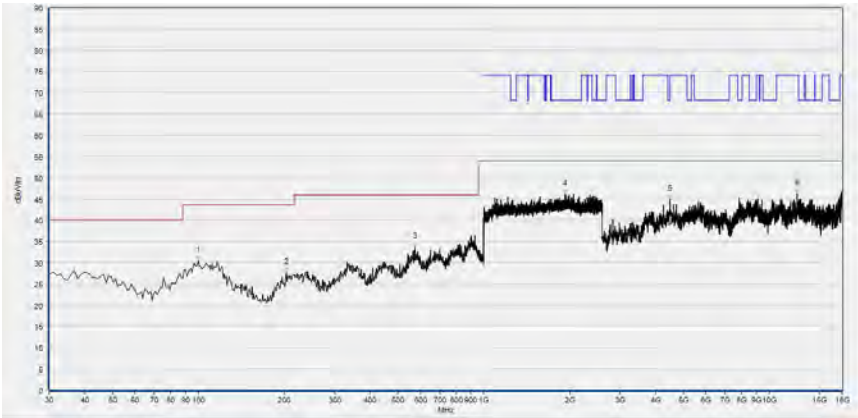
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.900	30.13	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
238.550	29.05	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
573.200	34.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1819.200	42.78	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3678.000	44.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11821.520	45.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

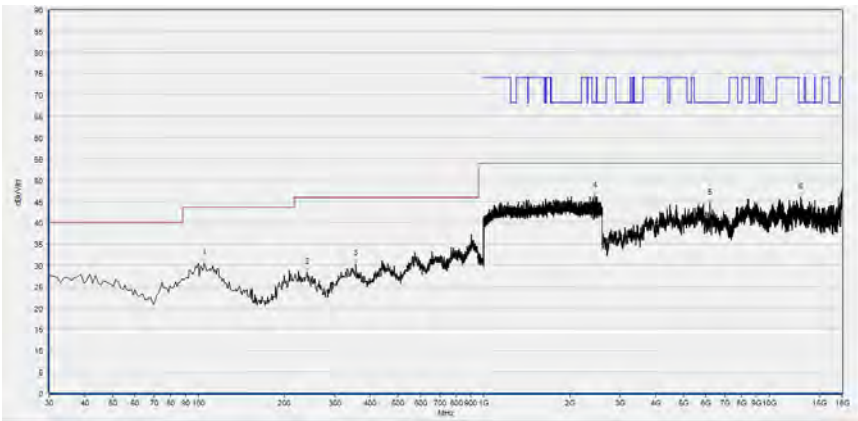
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 155



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	30.43	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
203.630	27.71	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
575.140	33.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1918.400	46.09	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4497.280	44.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12523.760	46.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

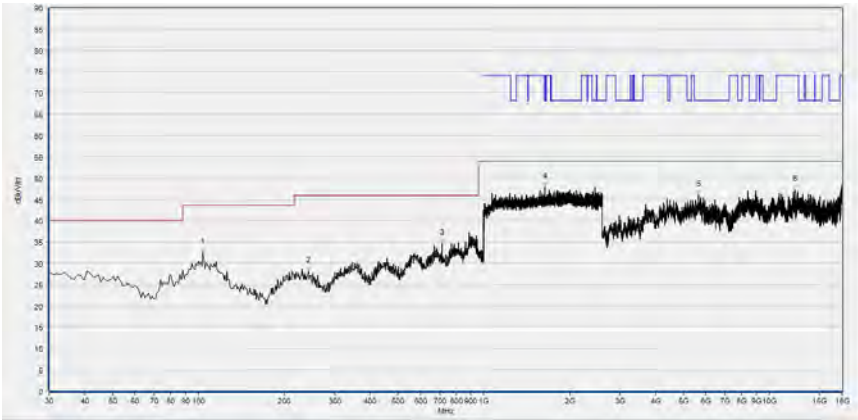


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	30.56	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
240.490	28.37	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
355.920	30.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2450.133	46.33	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6206.680	44.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12902.600	45.86	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

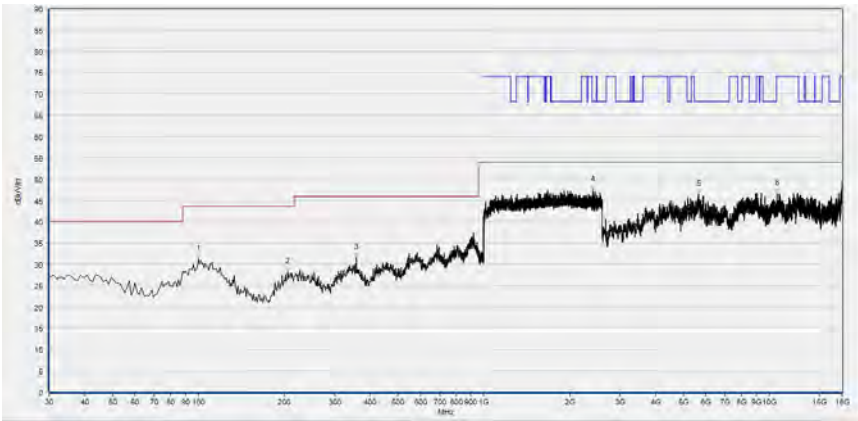
802.11ax (HEW160) Mode

Plot for Channel 50



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.720	32.44	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
243.400	28.10	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
712.880	34.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1636.267	47.90	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5652.280	46.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12289.680	47.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

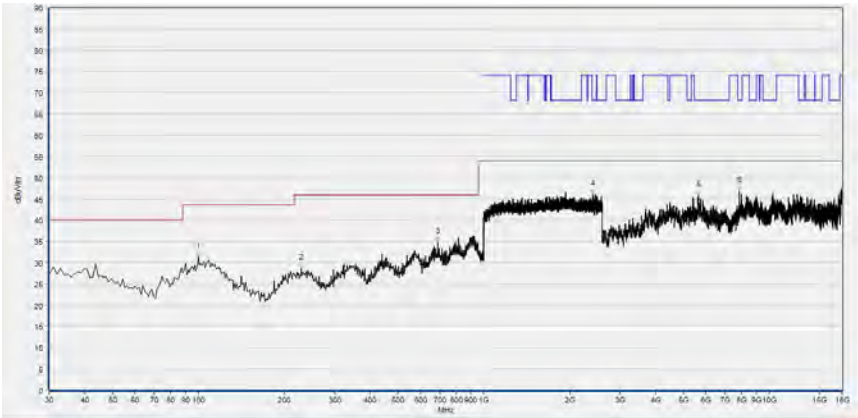
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	31.13	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
205.570	28.21	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
357.860	31.54	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2407.467	47.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5643.040	46.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10669.600	46.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

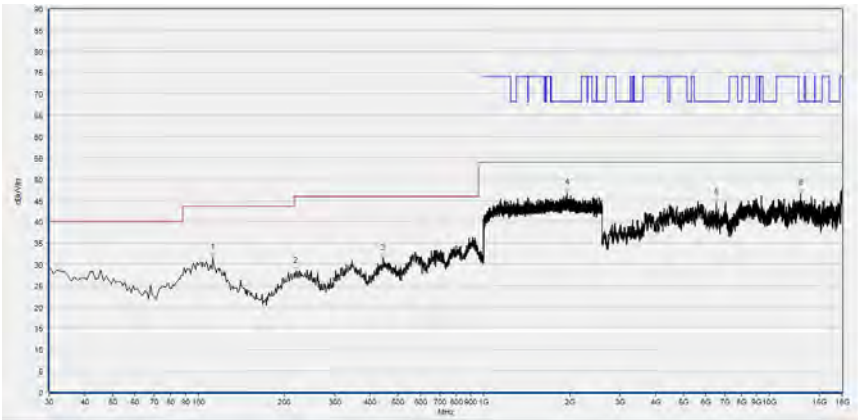
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 114



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	31.39	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
228.850	28.71	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
690.570	34.80	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2407.467	46.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5664.600	45.98	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7842.160	46.94	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

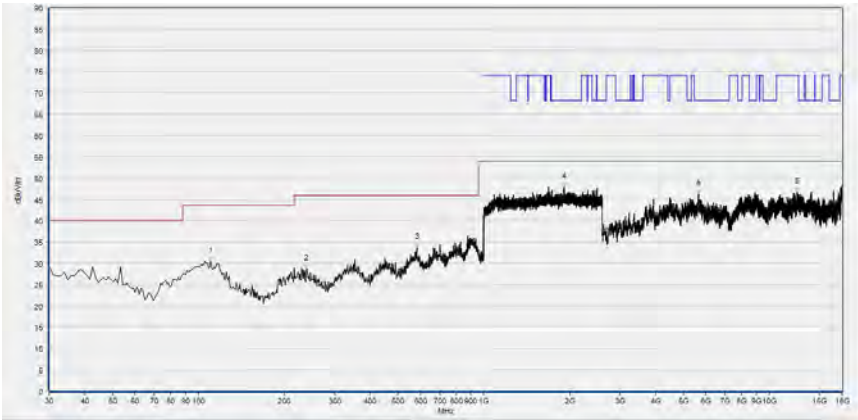


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.450	31.45	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.150	28.25	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
443.220	31.42	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1961.067	46.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6530.080	44.38	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12877.960	46.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

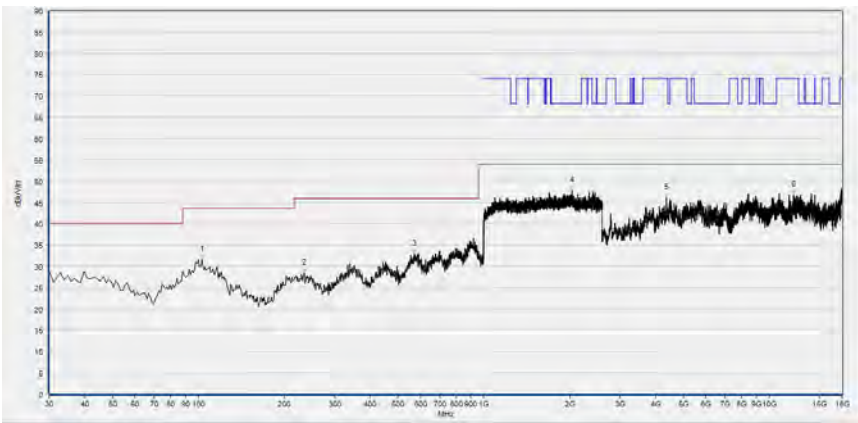
802.11ax (HEW20) RU26 Mode

Plot for Channel 36



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	30.47	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
239.520	28.65	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
581.930	33.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1911.467	47.87	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5643.040	46.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12505.280	46.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

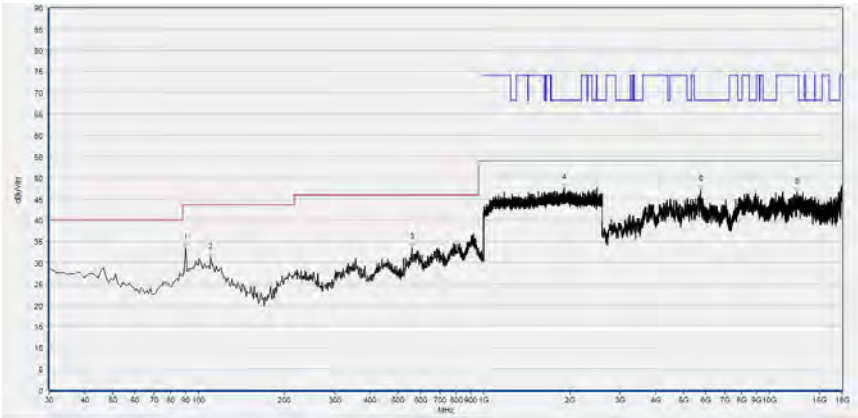
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	31.50	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
234.670	28.36	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
569.320	32.90	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2041.067	47.78	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4371.000	46.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12141.840	46.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

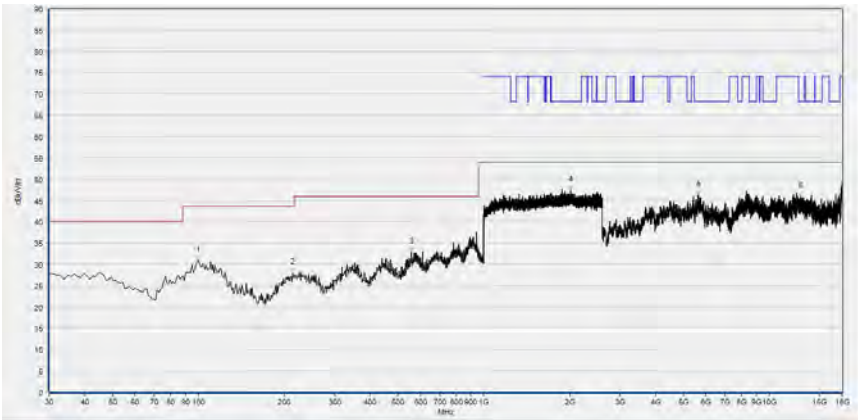
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 44



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
90.140	33.51	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
110.510	31.21	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
559.620	33.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1915.200	47.65	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5750.840	47.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12536.080	46.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

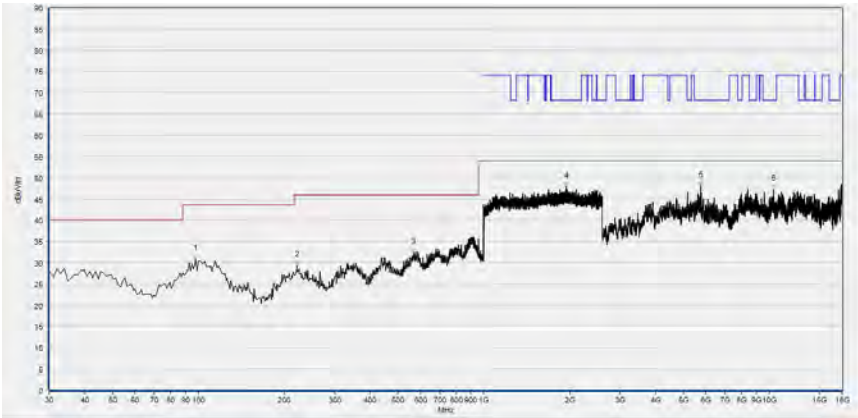
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	30.83	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
214.300	27.98	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
558.650	32.88	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2009.600	47.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5649.200	46.24	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12896.440	45.97	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

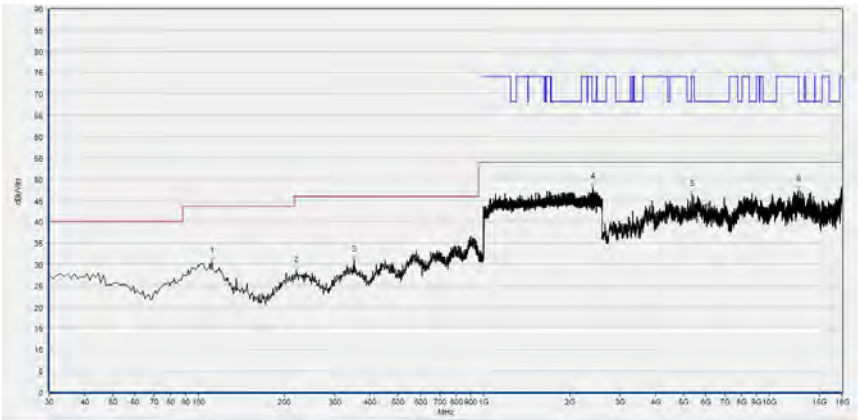
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.900	30.91	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
221.090	29.25	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
568.350	32.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1945.067	47.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5757.000	47.90	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10352.360	47.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

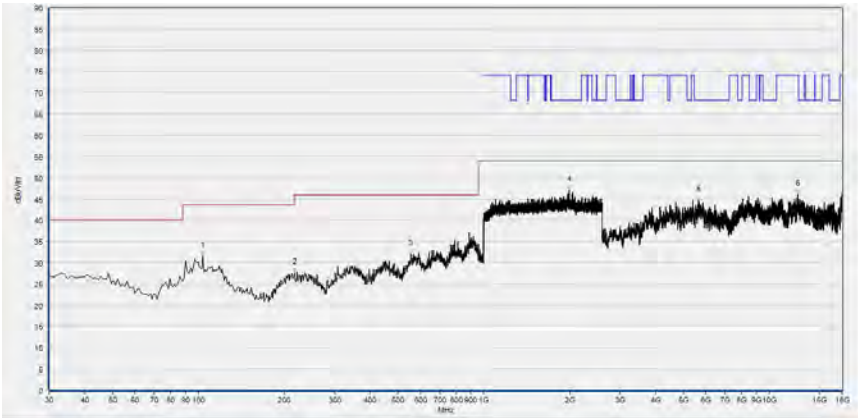
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
111.480	30.71	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
220.120	28.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
352.040	31.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2414.400	47.99	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5375.080	46.44	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12637.720	47.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

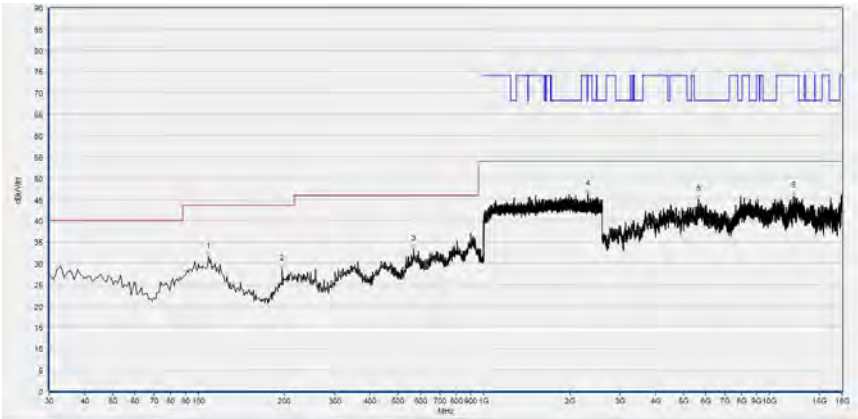
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 52



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.720	31.44	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
217.210	27.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
554.770	31.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1993.067	47.04	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5664.600	44.74	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12600.760	46.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

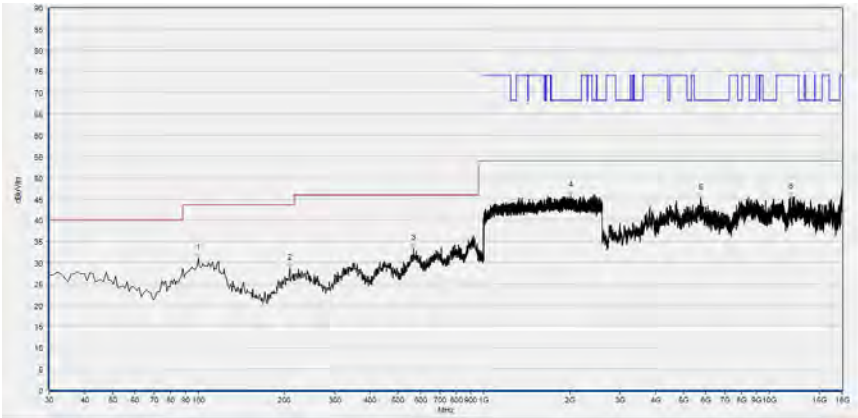
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	31.52	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
196.840	28.70	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
566.410	33.39	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2311.467	46.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5649.200	45.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12154.160	45.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

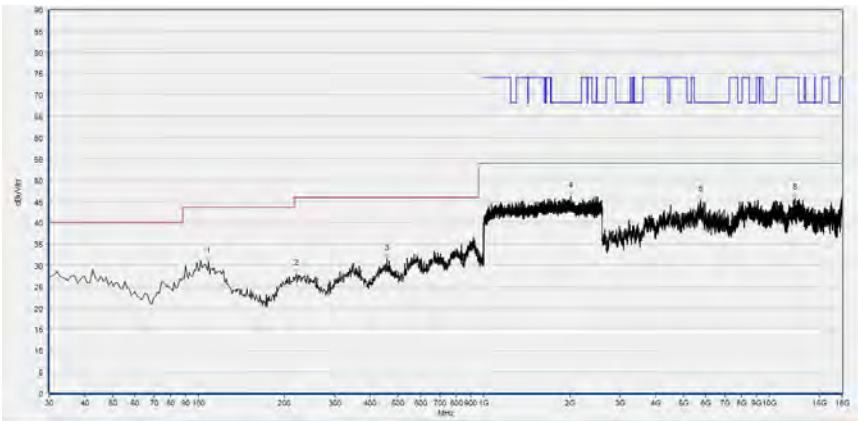
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 60



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	31.07	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
209.450	28.71	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
567.380	33.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2019.200	45.68	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5766.240	45.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11873.880	45.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

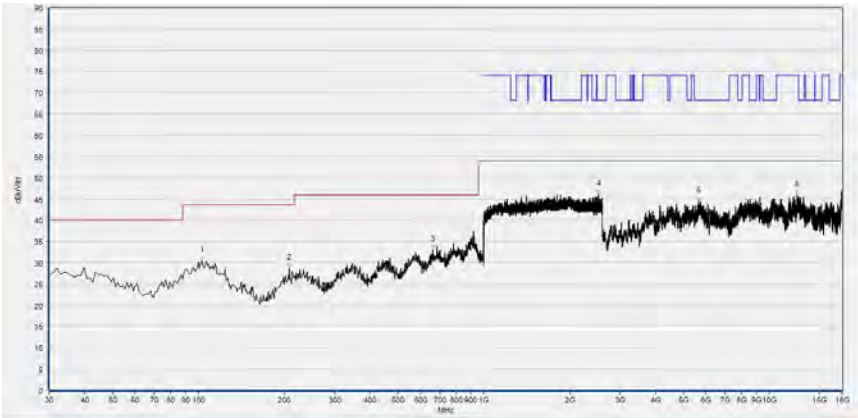
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	30.88	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
220.120	27.93	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
457.770	31.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2012.267	46.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5738.520	45.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12292.760	45.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

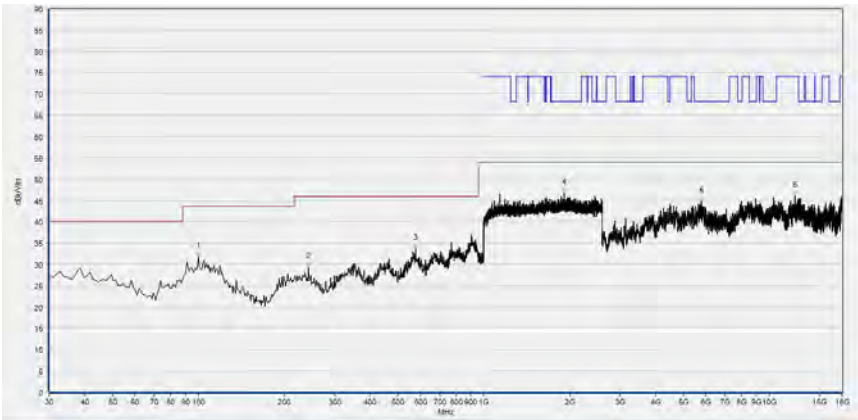
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 64



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	30.43	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
208.480	28.62	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
662.440	33.08	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2515.733	46.15	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5667.680	44.41	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12511.440	45.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

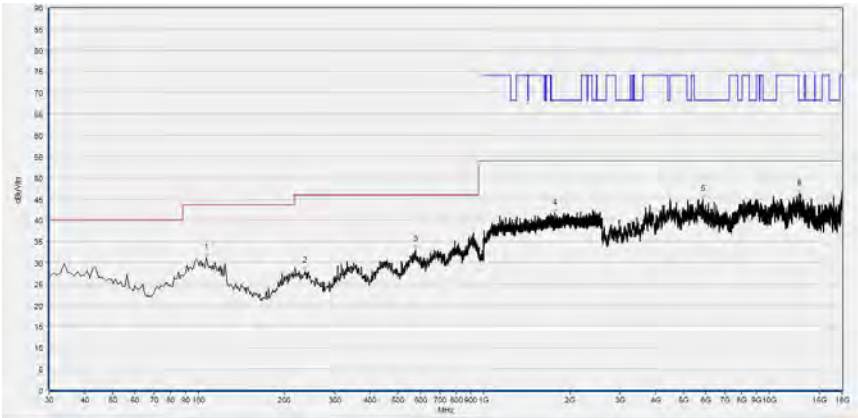
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	31.80	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
242.430	29.37	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
577.080	33.70	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1911.467	46.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5769.320	44.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12320.480	46.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

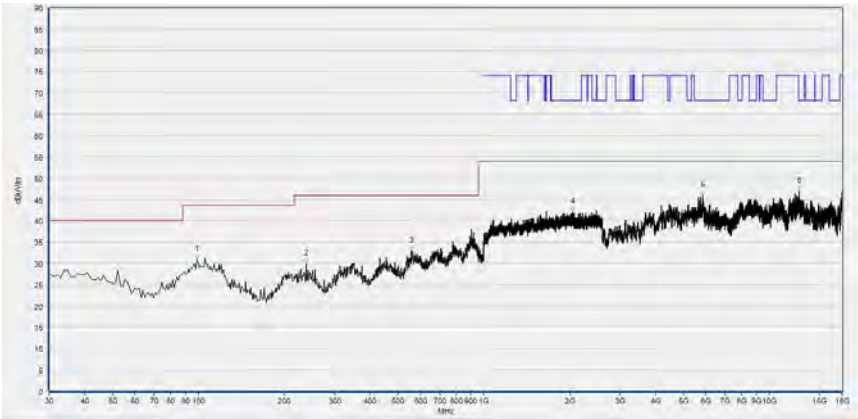
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 100



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	31.09	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
235.640	28.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
577.080	32.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1773.333	41.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5849.400	44.84	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12717.800	46.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

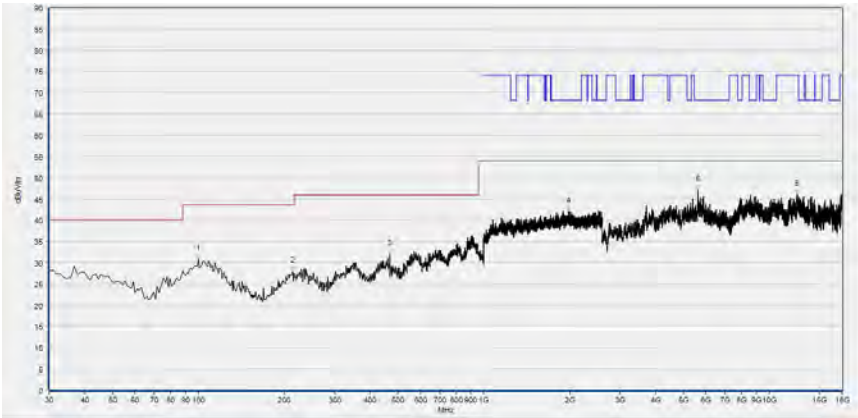
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.870	30.87	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
238.550	29.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
557.680	32.80	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2050.133	41.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5861.720	45.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12727.040	46.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

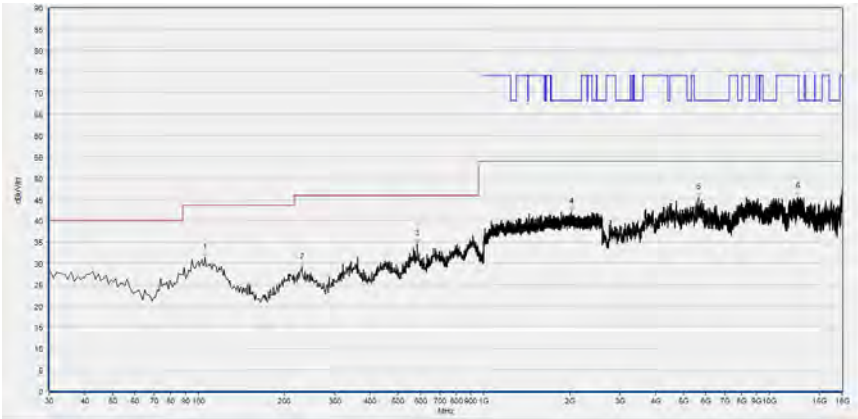
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 120



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	30.89	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
214.300	27.95	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
467.470	32.04	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1981.333	42.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5630.720	47.11	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12545.320	46.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

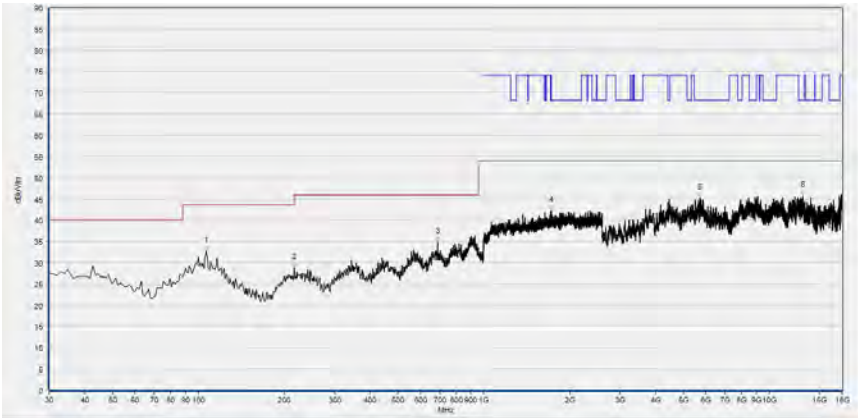
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	31.33	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
230.790	28.91	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
584.840	34.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2028.267	42.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5643.040	45.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12588.440	45.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

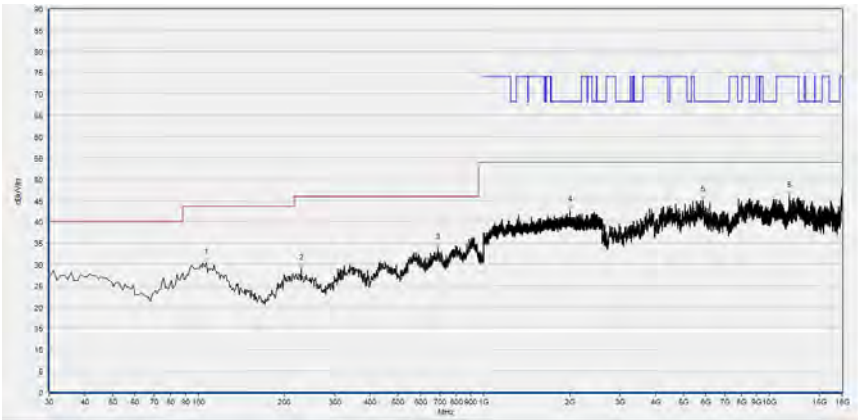
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 144



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	32.62	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
216.240	28.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
688.630	34.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1724.800	42.25	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5729.280	45.27	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13081.240	45.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

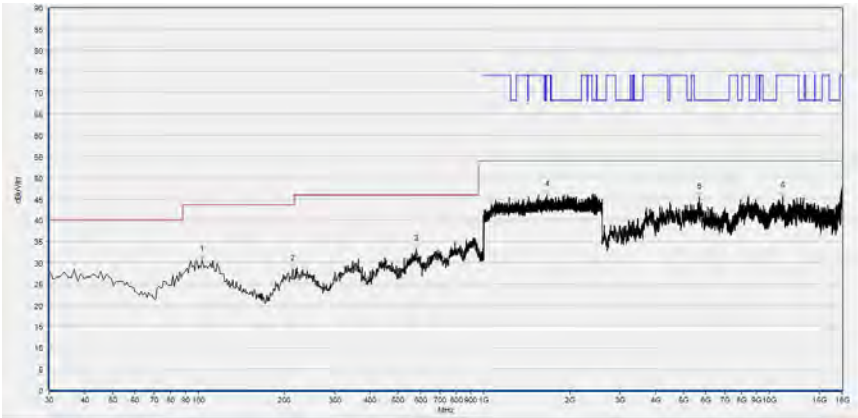
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	30.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
228.850	28.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
691.540	33.91	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2007.467	42.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5843.240	45.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11738.360	46.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

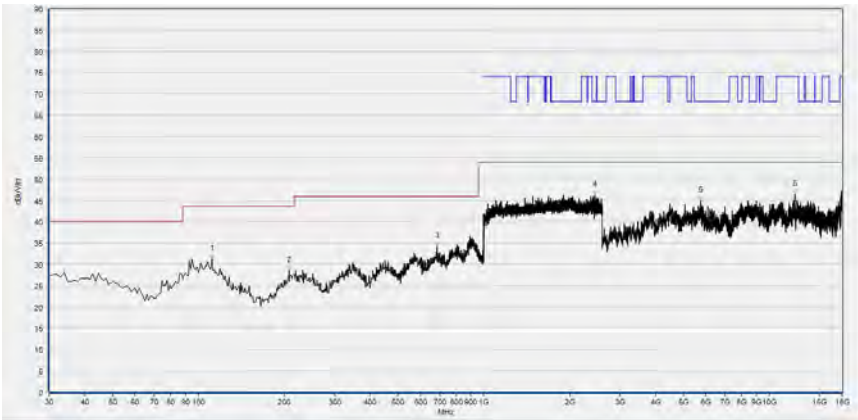
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 149



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	30.66	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
214.300	28.47	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
580.960	33.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1663.467	45.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5673.840	45.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11150.080	45.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

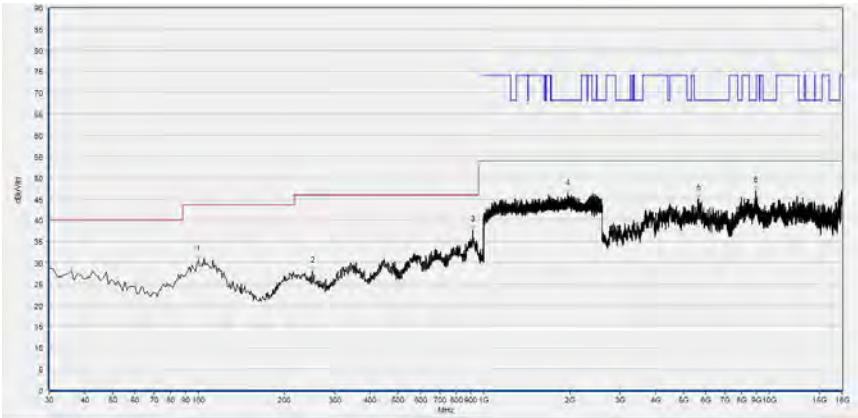
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
111.480	31.24	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
207.510	28.54	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
684.750	34.11	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2443.733	46.30	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5760.080	44.84	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12289.680	46.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

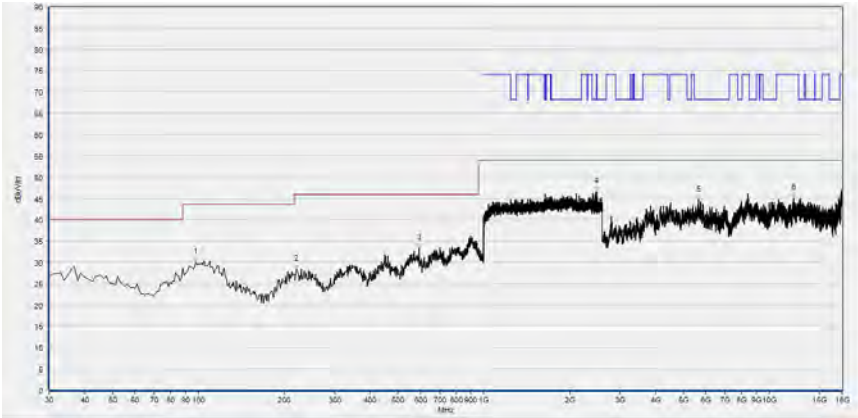
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	30.69	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
251.160	27.97	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
913.670	37.64	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1970.667	46.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5639.960	45.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8938.640	47.00	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

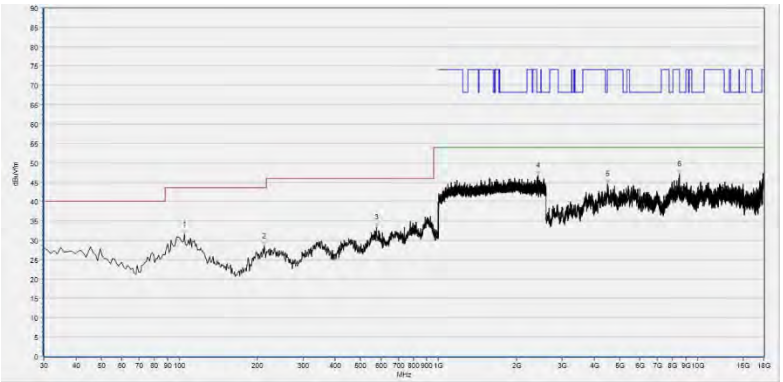
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.900	29.92	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
220.120	28.26	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
592.600	33.39	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2485.867	46.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5649.200	44.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12194.200	45.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

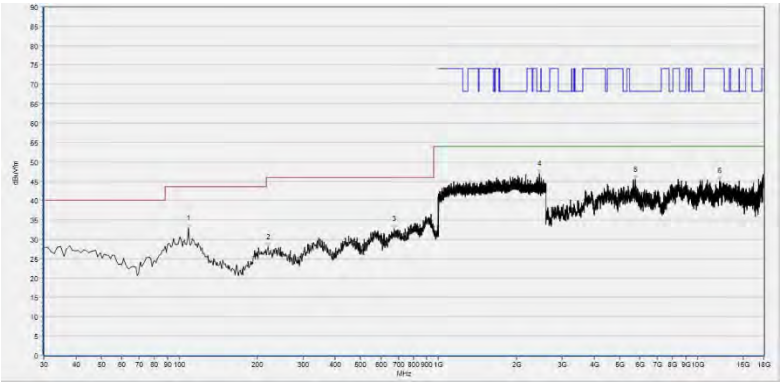
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	31.50	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
212.360	28.46	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
576.110	33.42	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2419.200	46.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4475.720	44.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8510.520	47.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	32.91	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
220.120	28.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
674.080	32.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2455.467	46.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5750.840	45.49	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12166.480	45.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT