



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1





PSD NVNT n40 5270MHz Ant1



PSD NVNT n40 5310MHz Ant1



PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5630MHz Ant1

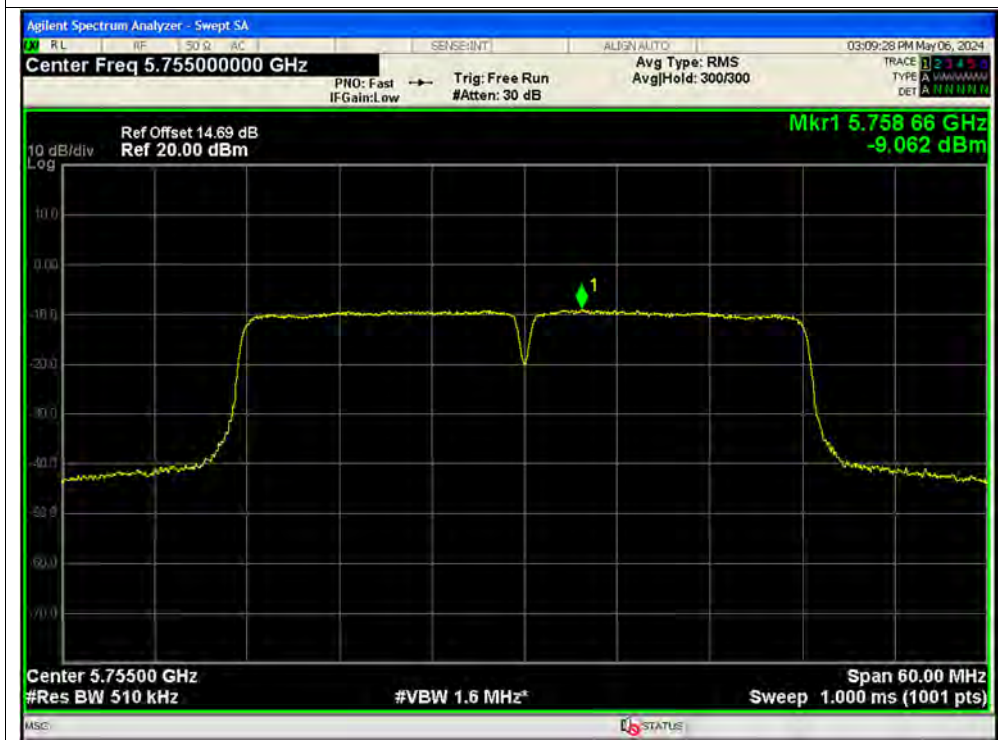




PSD NVNT n40 5670MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1



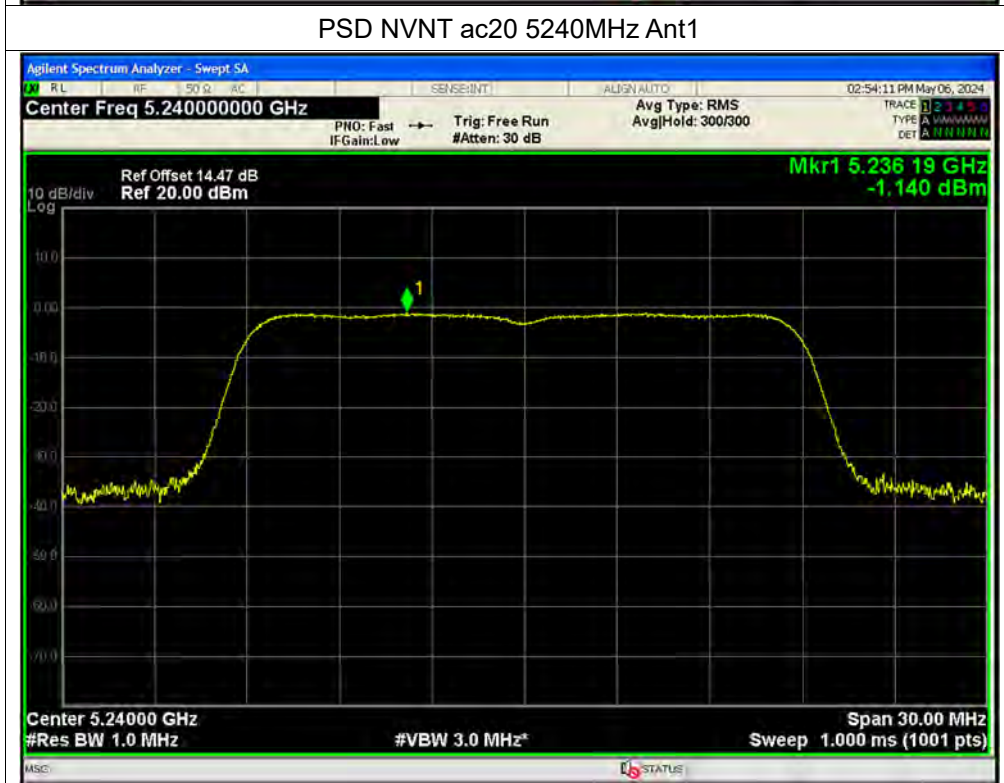
PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5220MHz Ant1



PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac20 5260MHz Ant1



PSD NVNT ac20 5300MHz Ant1



PSD NVNT ac20 5320MHz Ant1



PSD NVNT ac20 5500MHz Ant1





PSD NVNT ac20 5600MHz Ant1



PSD NVNT ac20 5700MHz Ant1





PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1



PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5190MHz Ant1





PSD NVNT ac40 5230MHz Ant1

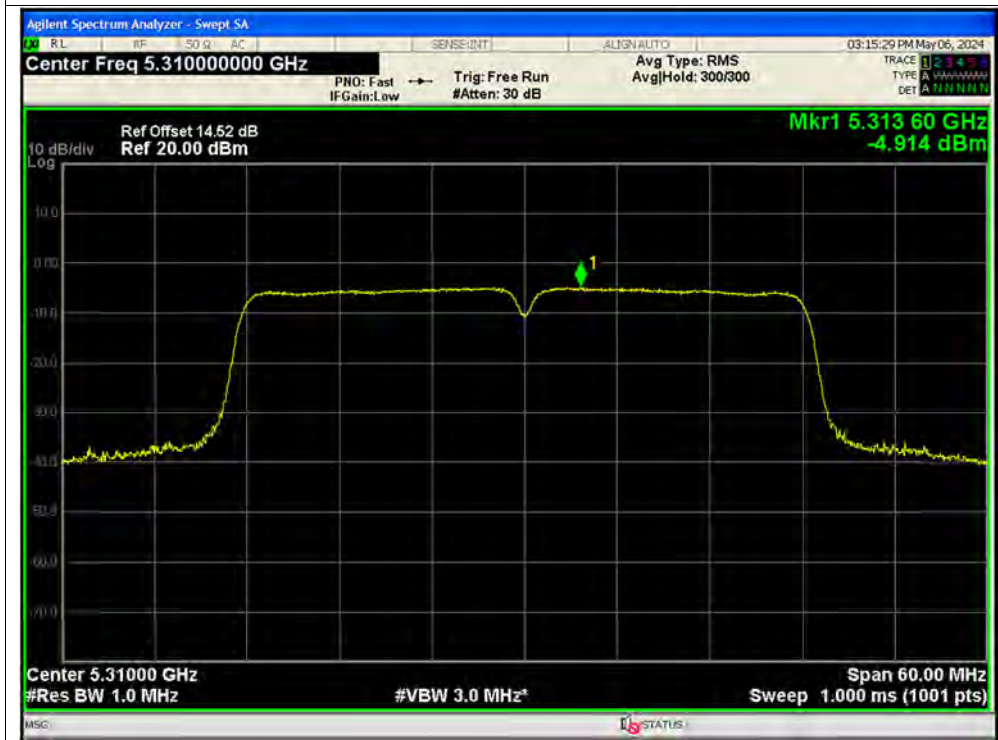


PSD NVNT ac40 5270MHz Ant1





PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac40 5510MHz Ant1





PSD NVNT ac40 5630MHz Ant1



PSD NVNT ac40 5670MHz Ant1





PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1





PSD NVNT ac80 5210MHz Ant1



PSD NVNT ac80 5290MHz Ant1





PSD NVNT ac80 5530MHz Ant1

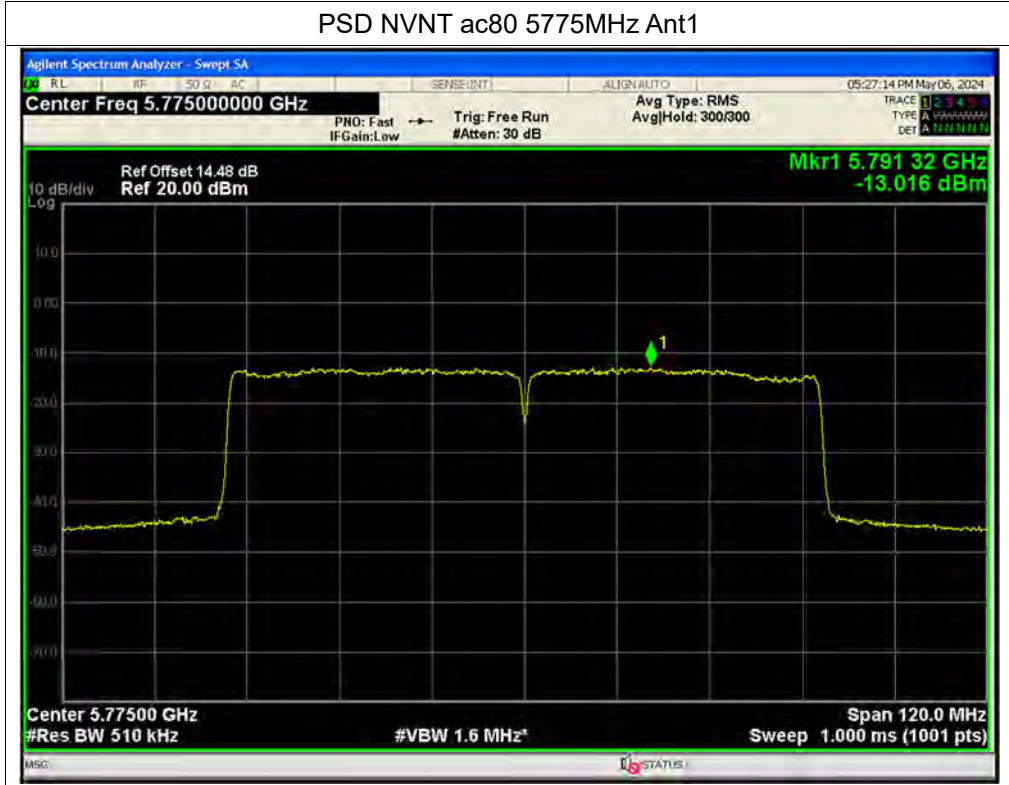


PSD NVNT ac80 5610MHz Ant1





PSD NVNT ac80 5775MHz Ant1



**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.55V	a	5180	Ant1	5179.995	-5000	-0.97	25	Pass
20C 3.87V	a	5180	Ant1	5179.994	-6000	-1.16	25	Pass
20C 4.45V	a	5180	Ant1	5179.995	-5000	-0.97	25	Pass
-20C 3.87V	a	5180	Ant1	5179.995	-5000	-0.97	25	Pass
-10C 3.87V	a	5180	Ant1	5179.995	-5000	-0.97	25	Pass
0C 3.87V	a	5180	Ant1	5179.995	-5000	-0.97	25	Pass
10C 3.87V	a	5180	Ant1	5179.994	-6000	-1.16	25	Pass
30C 3.87V	a	5180	Ant1	5179.994	-6000	-1.16	25	Pass
40C 3.87V	a	5180	Ant1	5179.994	-6000	-1.16	25	Pass
50C 3.87V	a	5180	Ant1	5179.994	-6000	-1.16	25	Pass
60C 3.87V	a	5180	Ant1	5179.994	-6000	-1.16	25	Pass
20C 3.55V	a	5260	Ant1	5259.994	-6000	-1.14	25	Pass
20C 3.87V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
20C 4.45V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
-20C 3.87V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
-10C 3.87V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
0C 3.87V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
10C 3.87V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
30C 3.87V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
40C 3.87V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
50C 3.87V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
60C 3.87V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
20C 3.55V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
20C 3.87V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
20C 4.45V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
-20C 3.87V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
-10C 3.87V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
0C 3.87V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
10C 3.87V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
30C 3.87V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
40C 3.87V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
50C 3.87V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
60C 3.87V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
20C 3.55V	a	5745	Ant1	5744.99	-10000	-1.74	25	Pass



20C 3.87V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
20C 4.45V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
-20C 3.87V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
-10C 3.87V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
0C 3.87V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
10C 3.87V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
30C 3.87V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
40C 3.87V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
50C 3.87V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
60C 3.87V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass



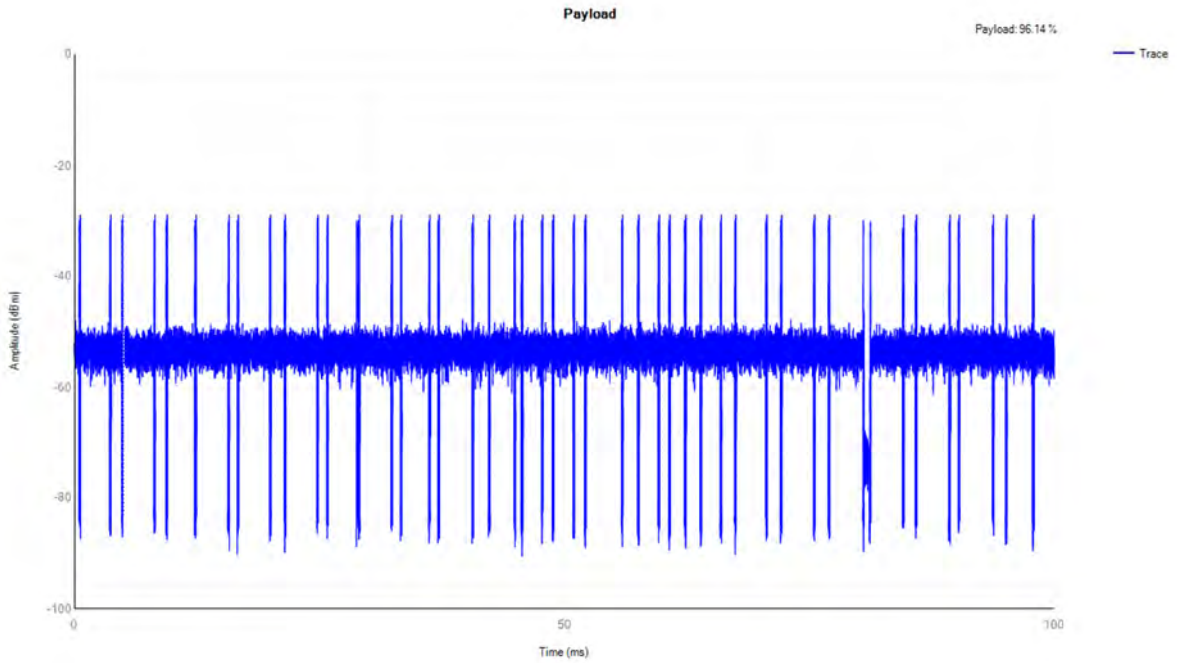
A.6. Dynamic Frequency Selection

Payload

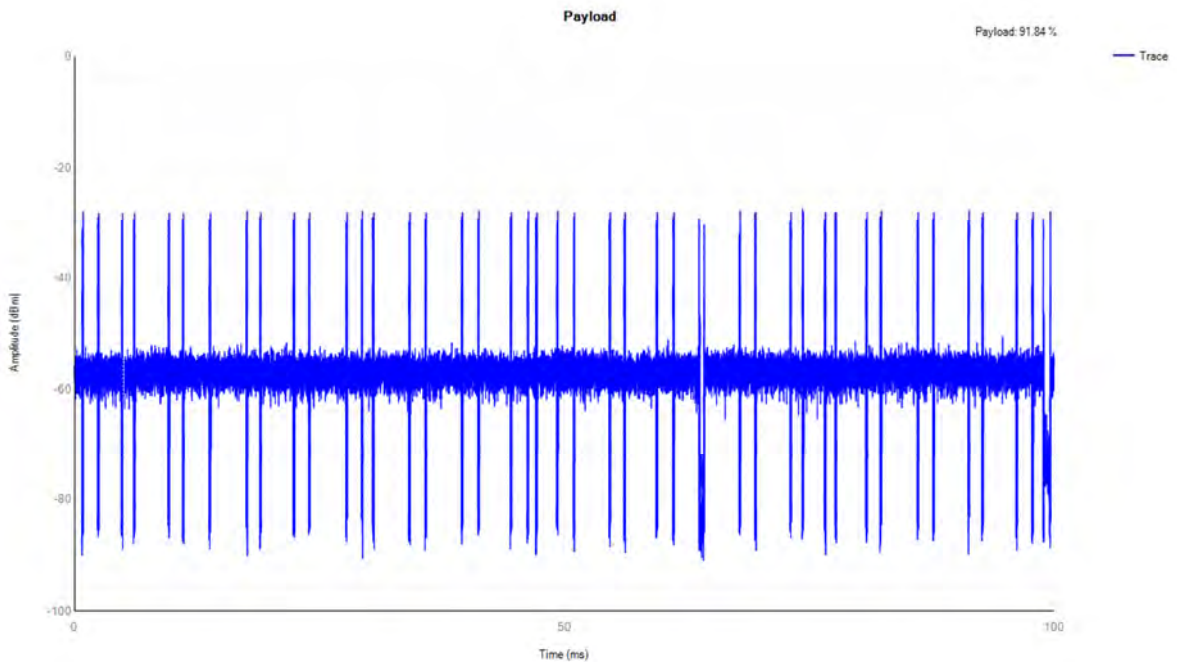
Mode	Frequency (MHz)	Result	Verdict
a	5320	96.14	Pass
a	5500	91.84	Pass
ac80	5290	93.67	Pass
ac80	5530	39.77	Pass

Test Graphs

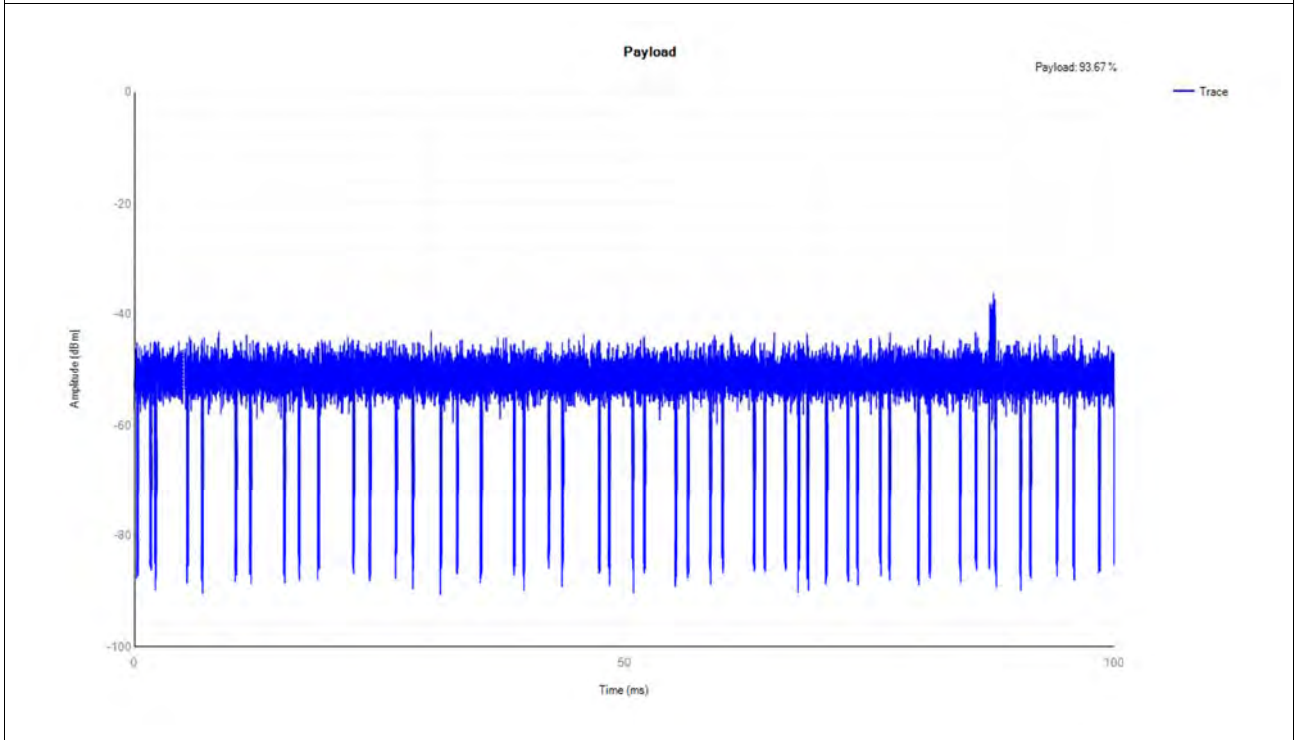
a 5320MHz Payload



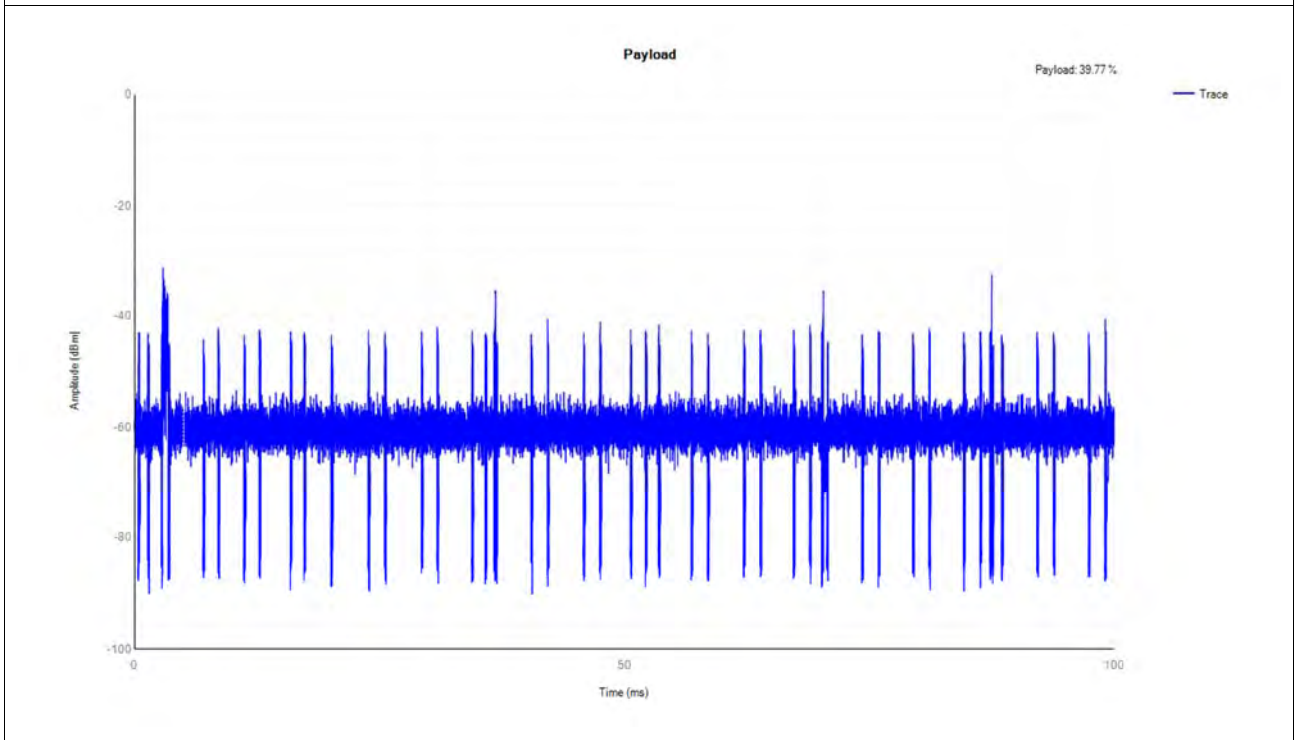
a 5500MHz Payload



ac80 5290MHz Payload



ac80 5530MHz Payload





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

Spectrum analyzer settings:

Span: Zero

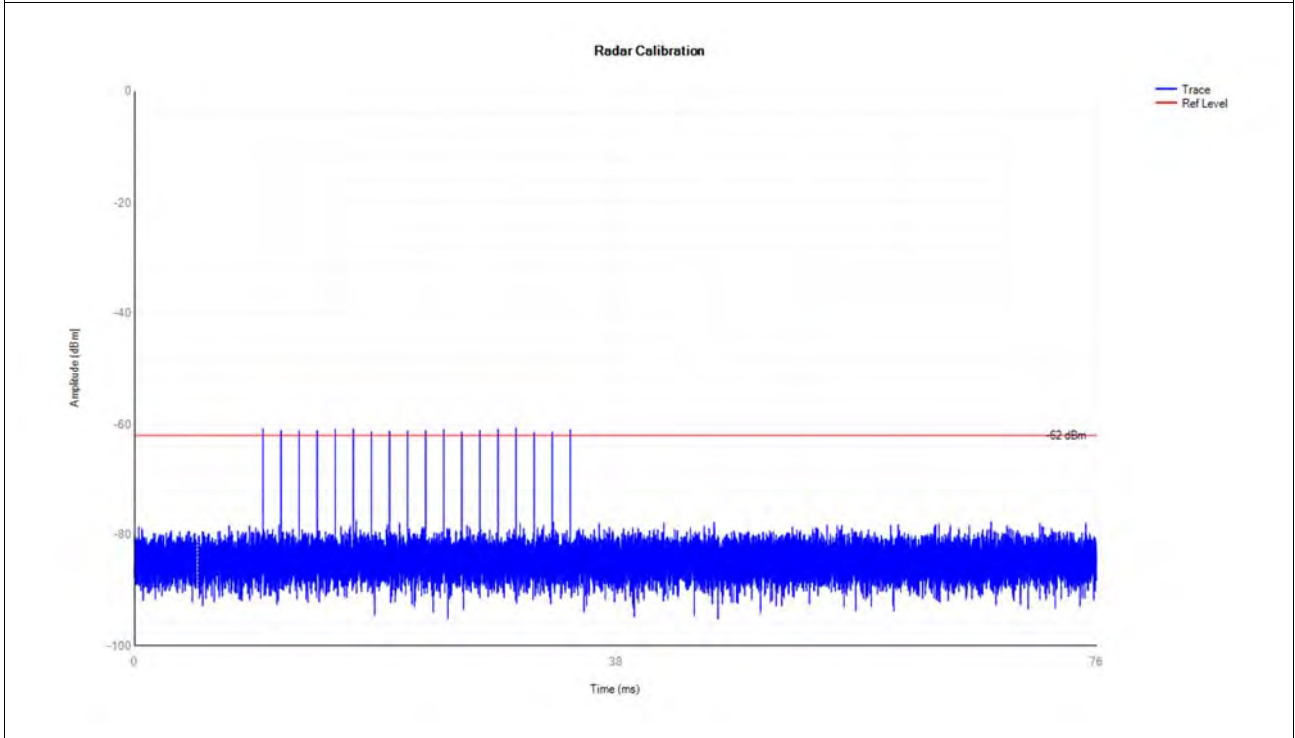
Detector Type: Peak

RBW: 3MHz

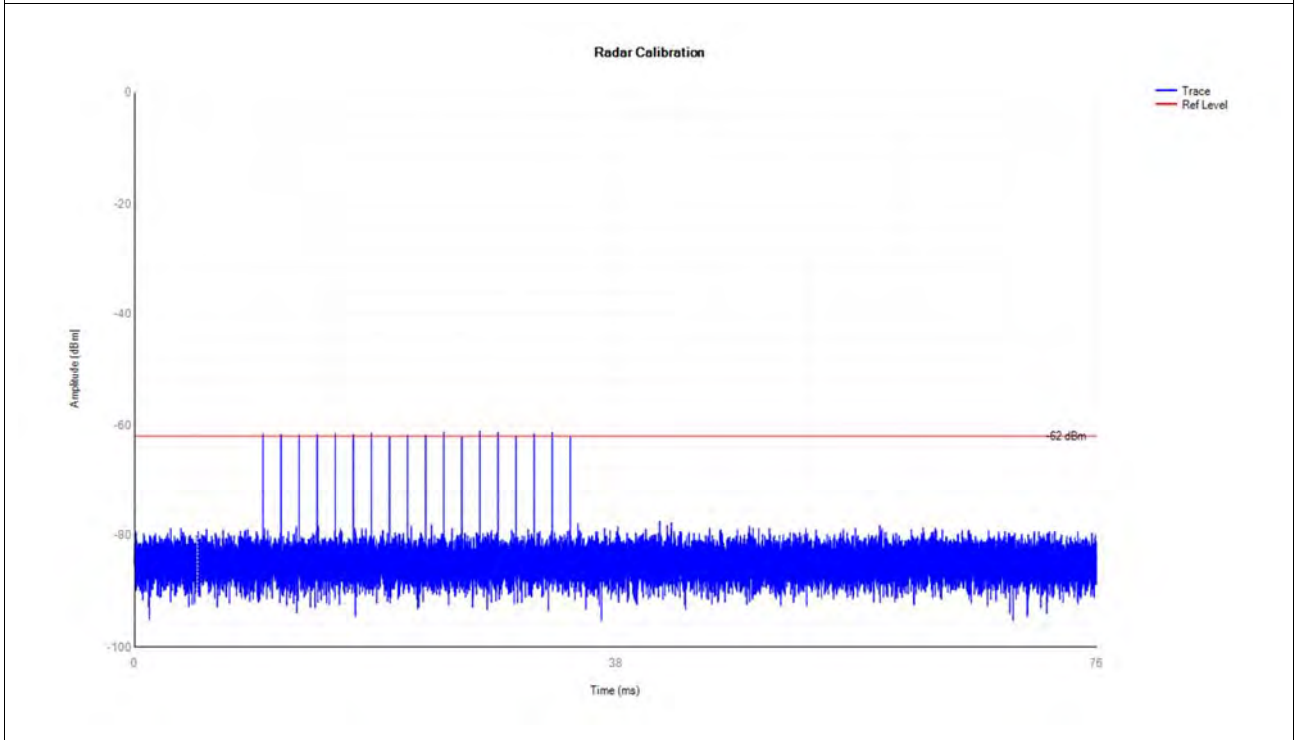
VBW: 3MHz

Test Graphs

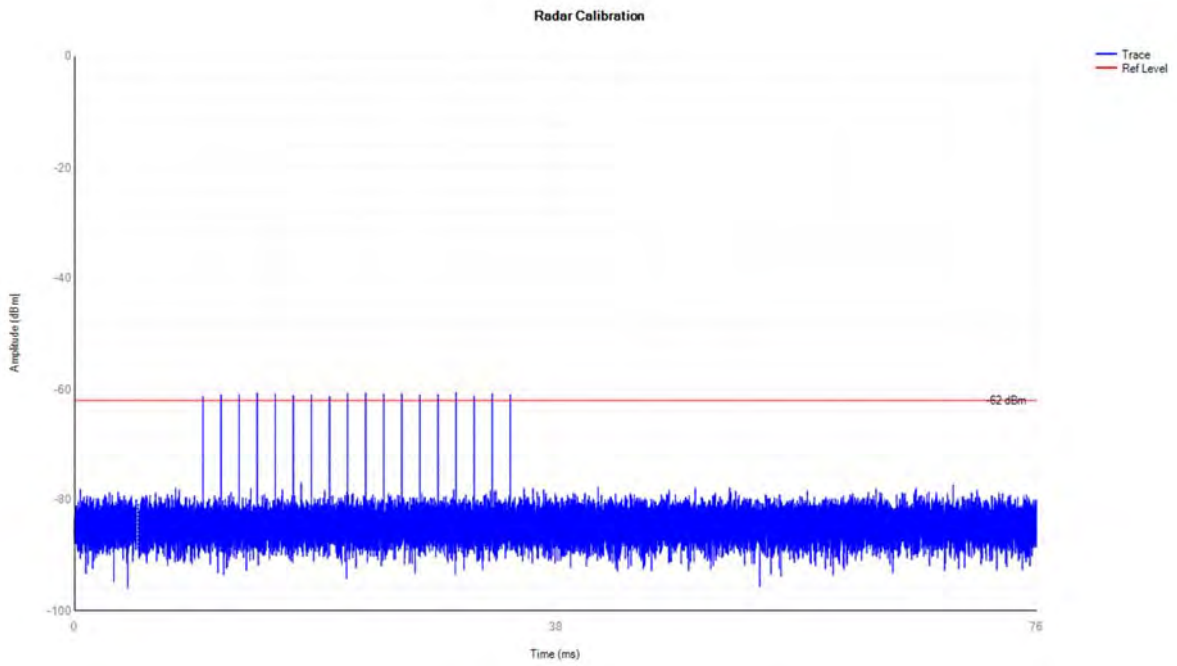
5320MHz DFS_FCC_T0



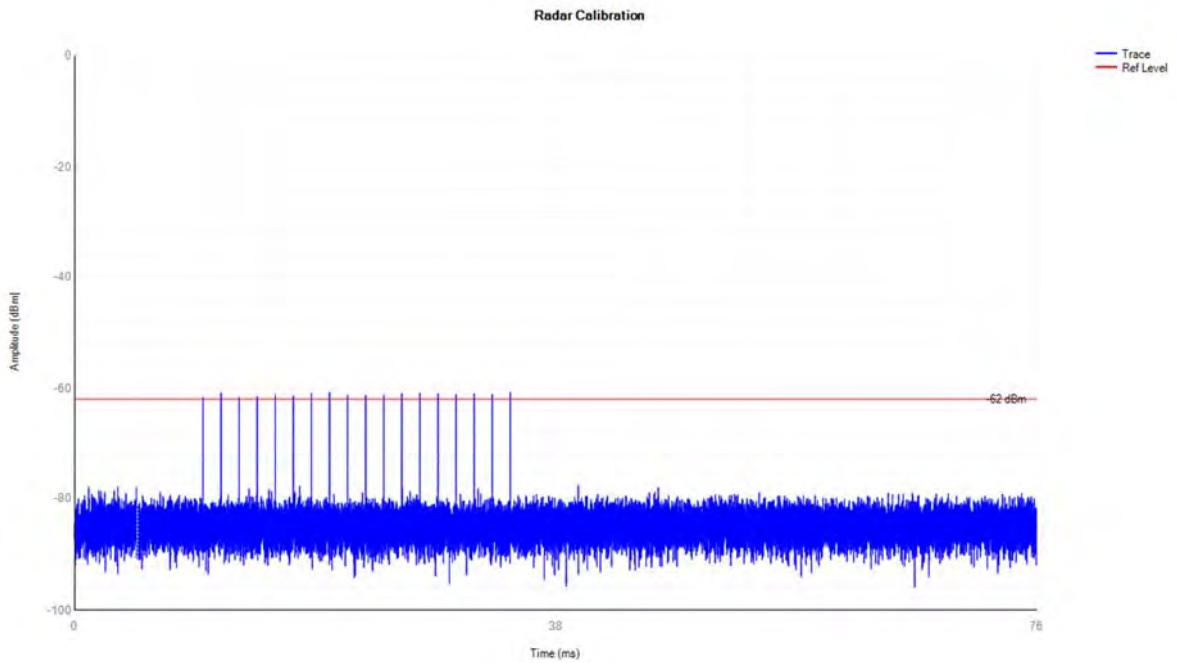
5500MHz DFS_FCC_T0



5290MHz DFS_FCC_T0



5530MHz 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	0.9	10	0.037	0.26	0.021	0.06	Pass
a	5500	1.026	10	0.065	0.26	0.023	0.06	Pass
ac80	5290	0.876	10	0.028	0.26	0.019	0.06	Pass
ac80	5530	0.784	10	0.024	0.26	0.009	0.06	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

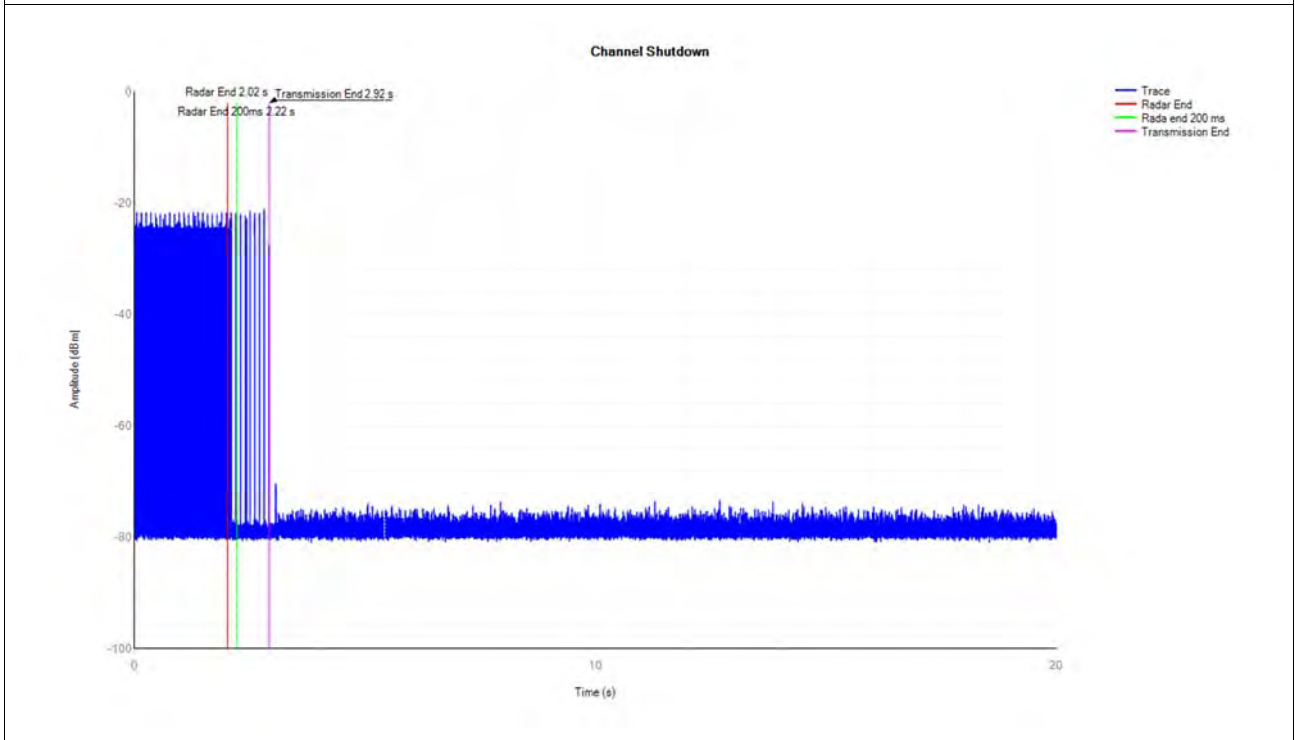
RBW: 3MHz

VBW: 3MHz

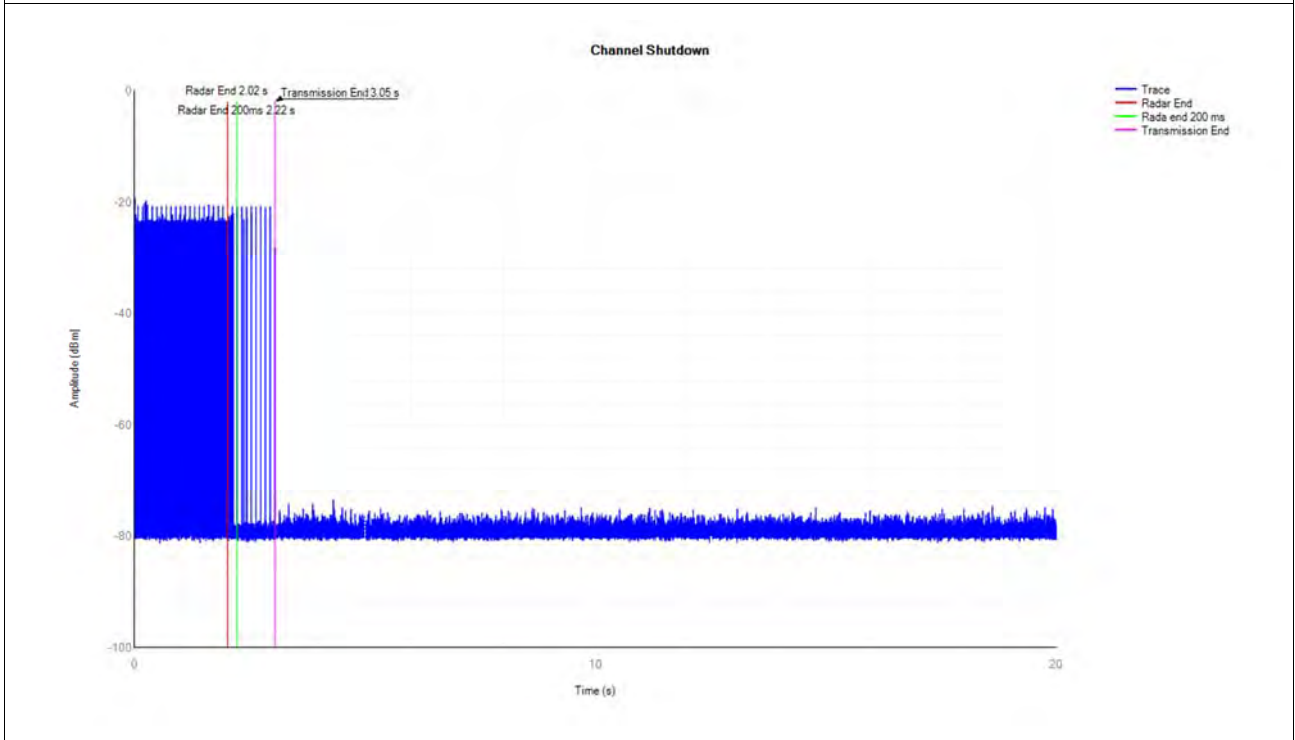
Sweep time: 20s

Test Graphs

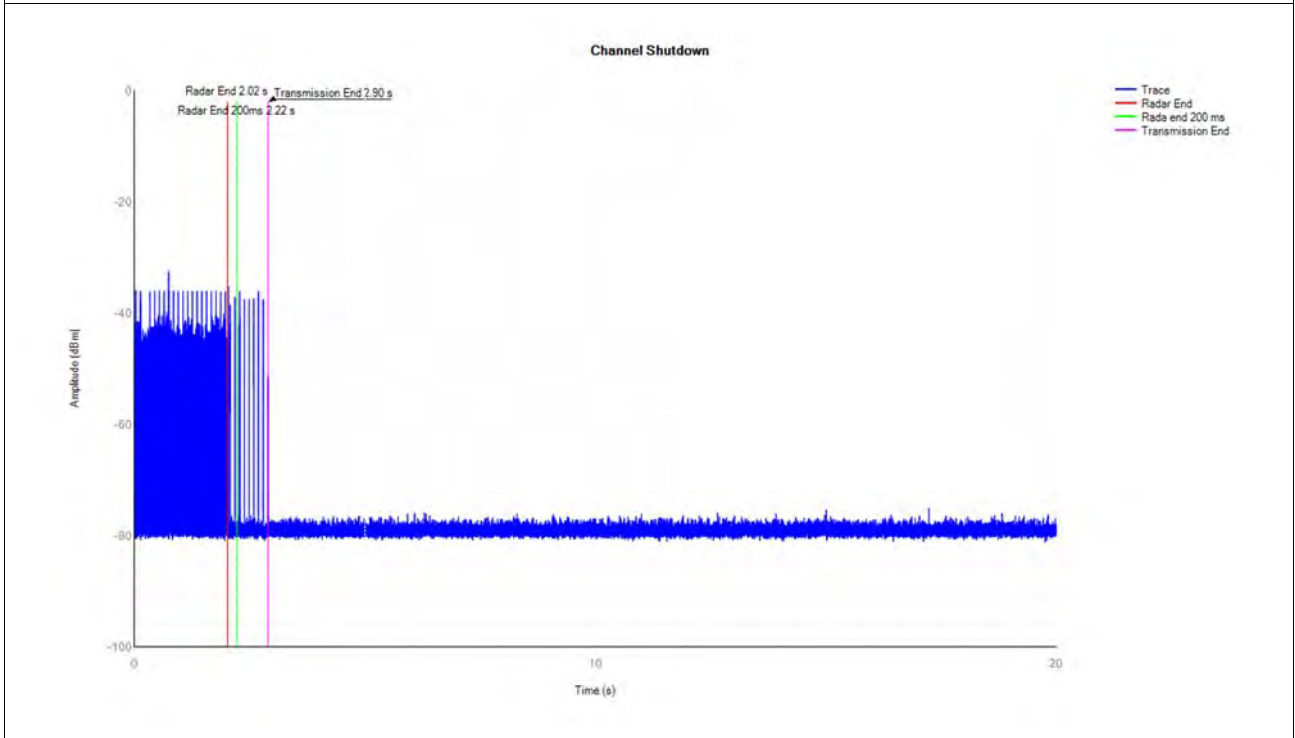
a 5320MHz Shutdown



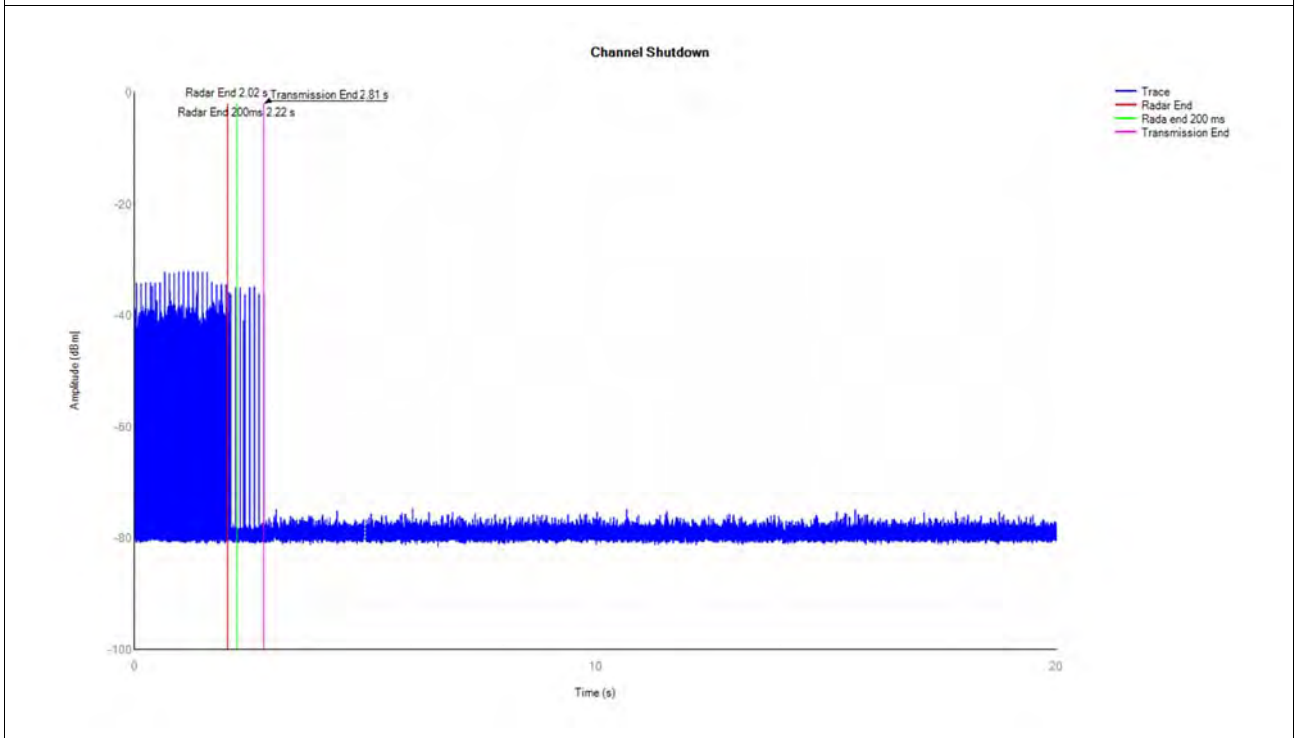
a 5500MHz Shutdown



ac80 5290MHz Shutdown



ac80 5530MHz Shutdown



Note: The signal above the noise floor after the radar signal ends is the signal which leaked from other channels that have been moved following the Master device.



Non-Occupancy Period

Mode	Frequency (MHz)	Result	Verdict
a	5320	See test Graph	Pass
a	5500	See test Graph	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

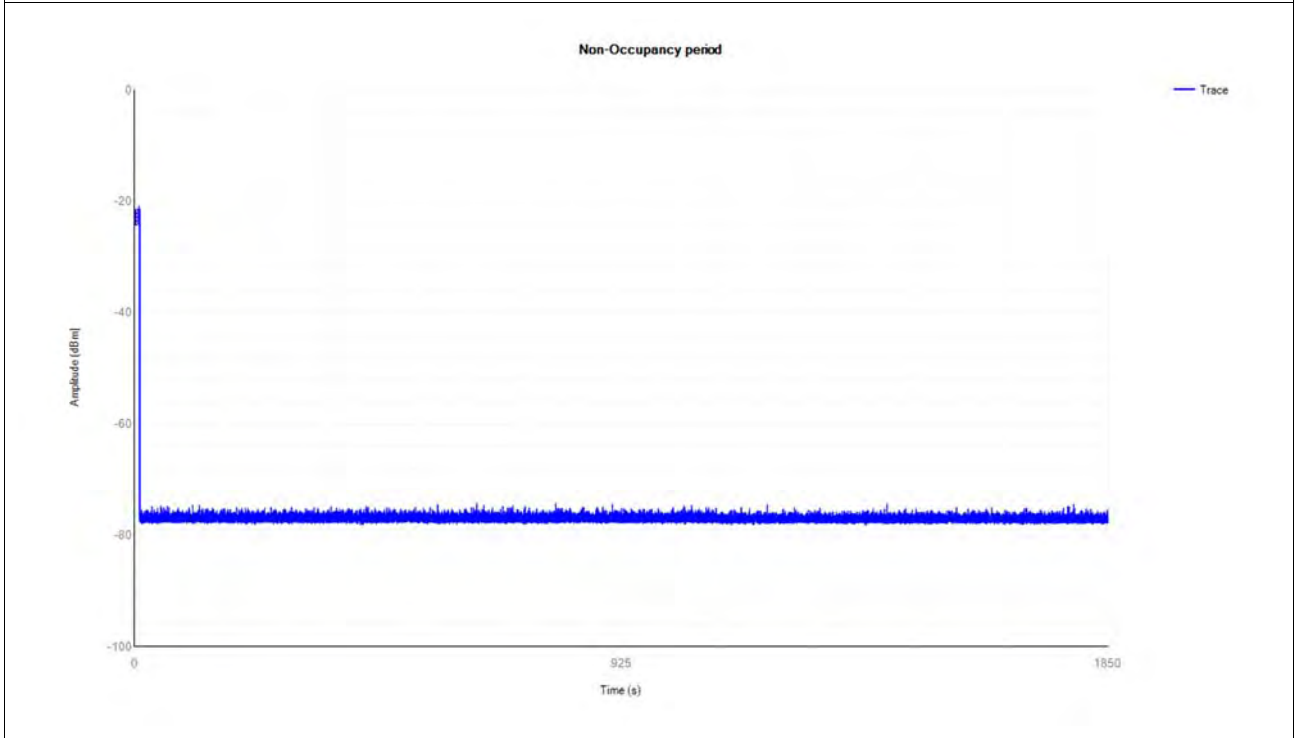
RBW: 3MHz

VBW: 3MHz

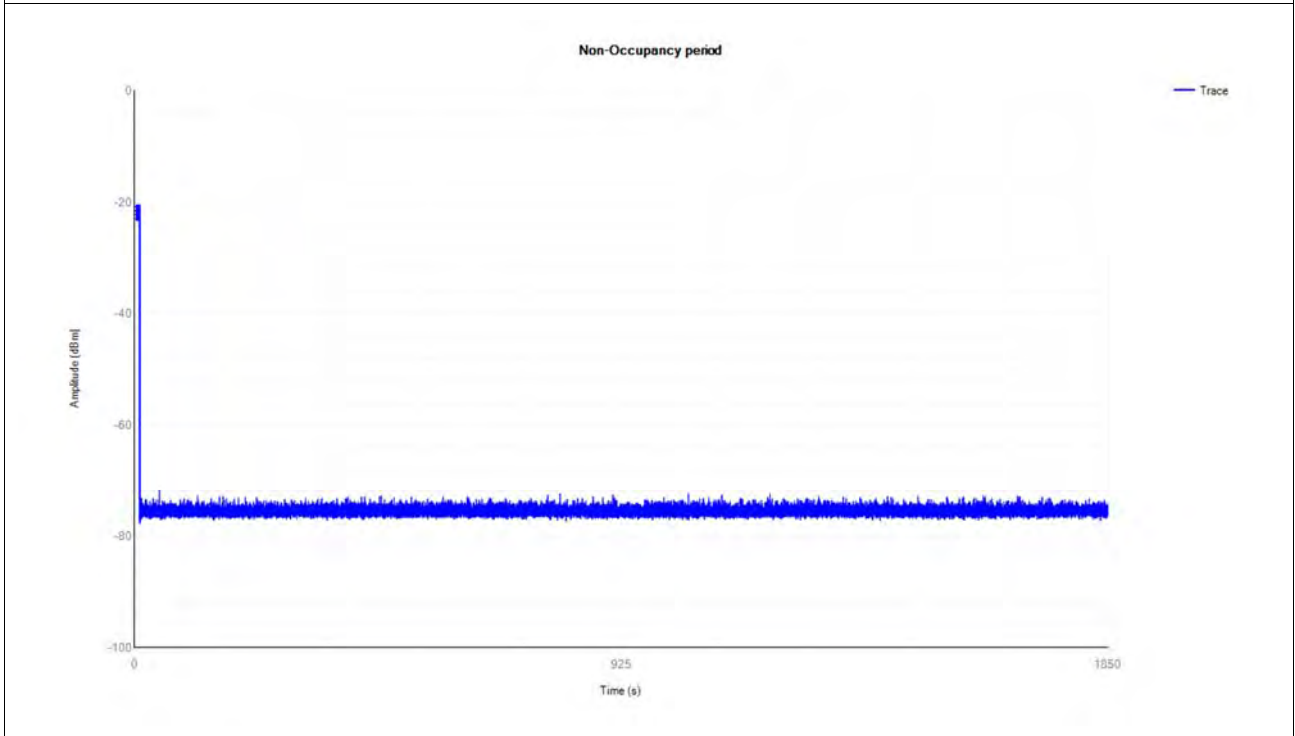
Sweep time: 1850s

Test Graphs

a 5320MHz Non-Occupancy



a 5500MHz Non-Occupancy





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 + USB Cable + WIFI TX

Test voltage: AC 120V/60Hz

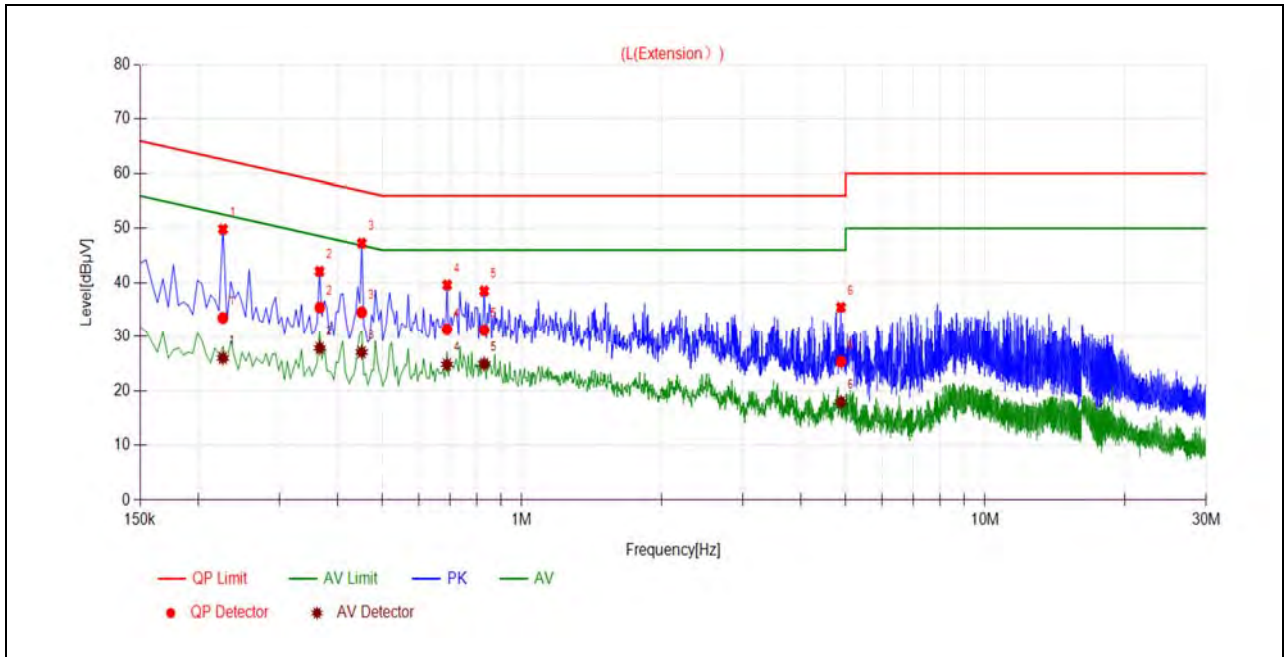
The measurement results are obtained as below:

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

U_R : Receiver Reading

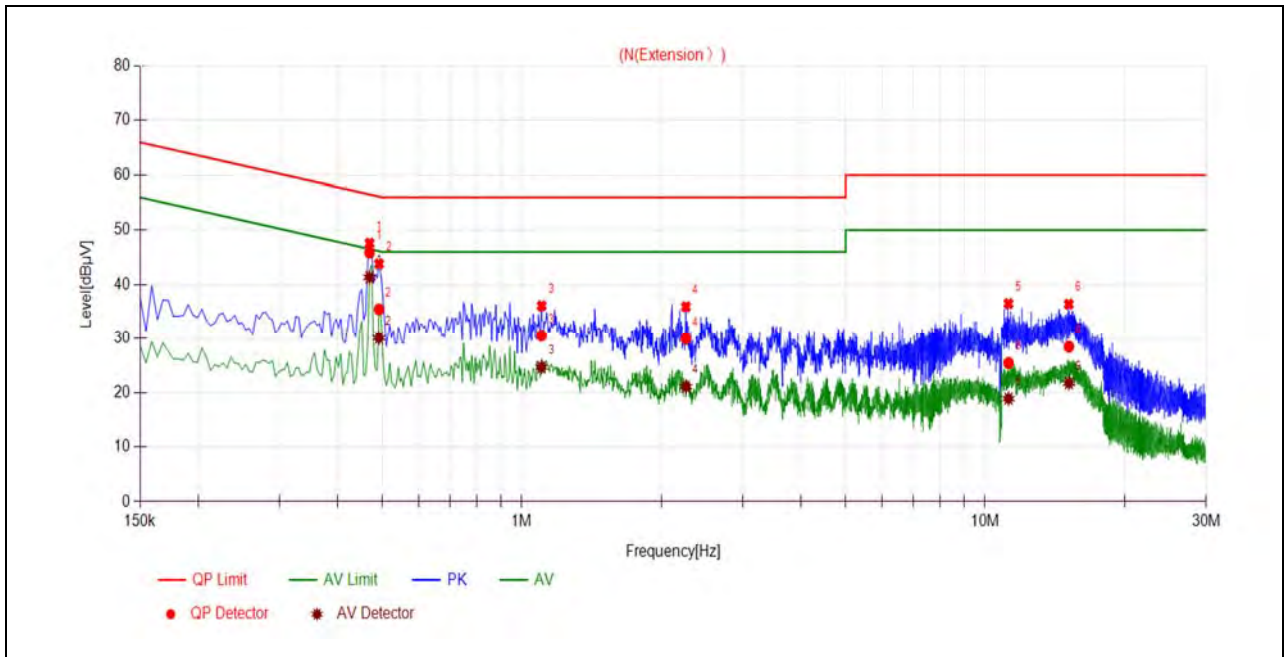
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.2263	33.49	25.98	62.58	52.58	Line	PASS
2	0.3663	35.44	27.84	58.58	48.58		PASS
3	0.4512	34.54	27.06	56.85	46.85		PASS
4	0.6894	31.33	24.81	56.00	46.00		PASS
5	0.8294	31.18	24.91	56.00	46.00		PASS
6	4.8878	25.34	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	0.4691	45.88	41.35	56.53	46.53	Neutral	PASS
2	0.4919	35.45	30.10	56.14	46.14		PASS
3	1.1030	30.55	24.67	56.00	46.00		PASS
4	2.2610	29.97	21.07	56.00	46.00		PASS
5	11.2347	25.43	18.87	60.00	50.00		PASS
6	15.1664	28.45	21.70	60.00	50.00		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:

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

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

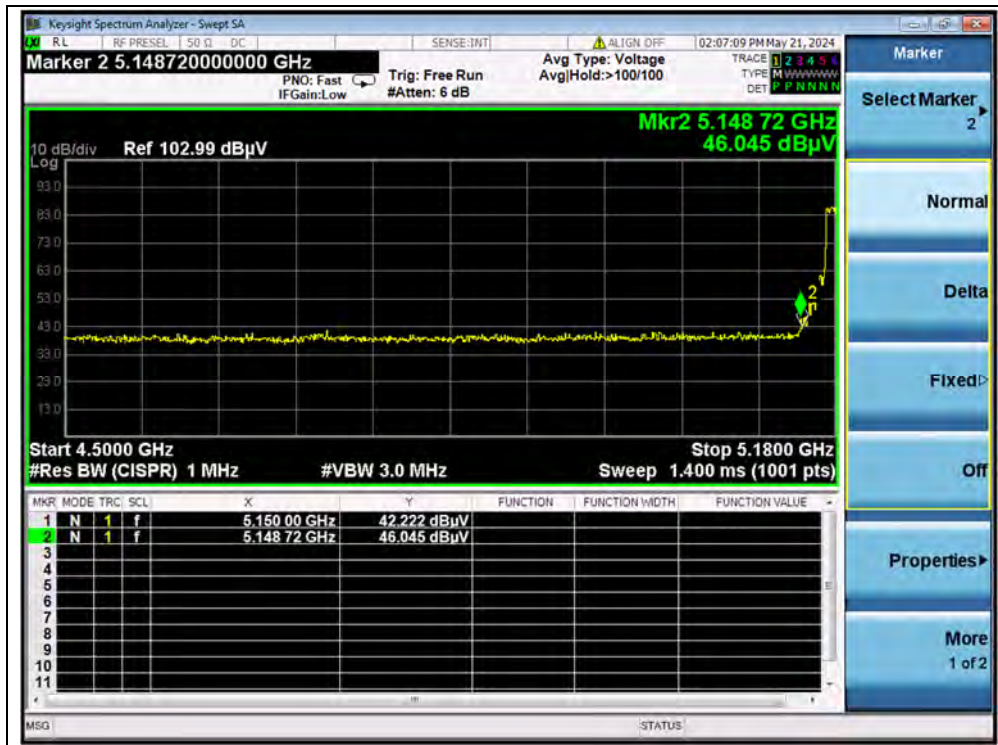
A_{Factor} : Antenna Factor at 3m

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.

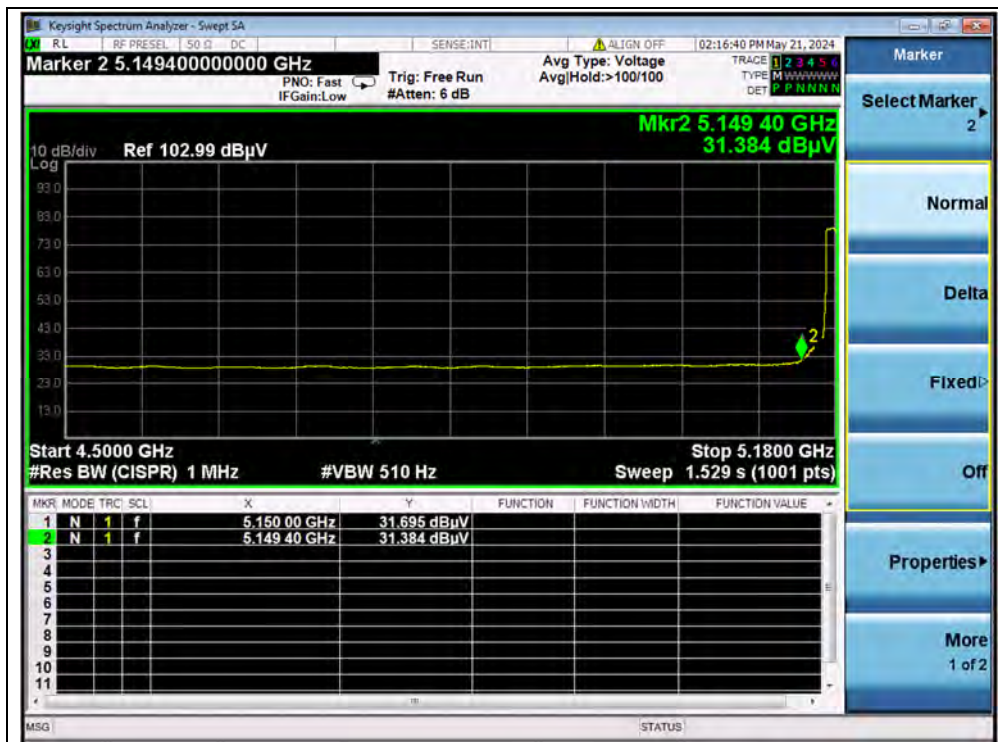
Note 2: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

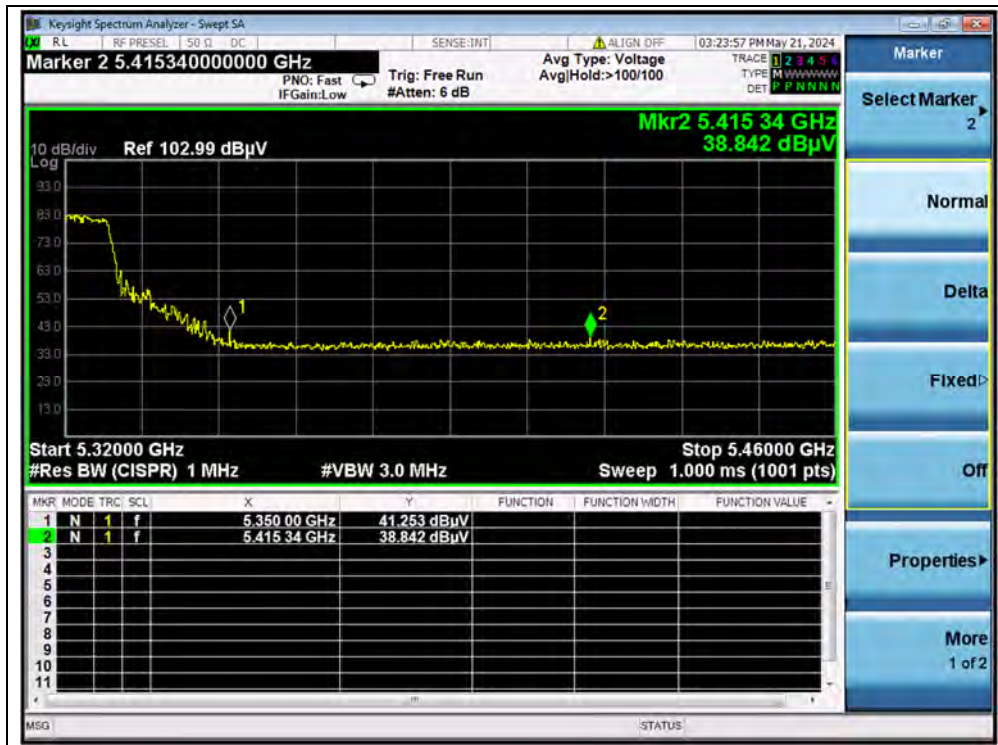
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)					
36	5148.72	PK	46.05	-21.29	32.20	56.96	74	PASS
36	5150.00	AV	31.70	-21.29	32.20	42.61	54	PASS
64	5350.00	PK	41.25	-20.66	32.20	52.79	74	PASS
64	5350.10	AV	28.90	-20.66	32.20	40.44	54	PASS
100	5107.00	PK	29.69	-20.24	32.20	41.65	74	PASS
100	5470.00	AV	43.55	-20.24	32.20	55.51	54	PASS
140	5725.50	PK	43.33	-20.24	32.20	55.29	68.23	PASS
149	5725.00	PK	48.18	-21.11	32.20	59.27	122.23	PASS
165	5855.00	PK	37.28	-21.11	32.20	48.37	110.83	PASS



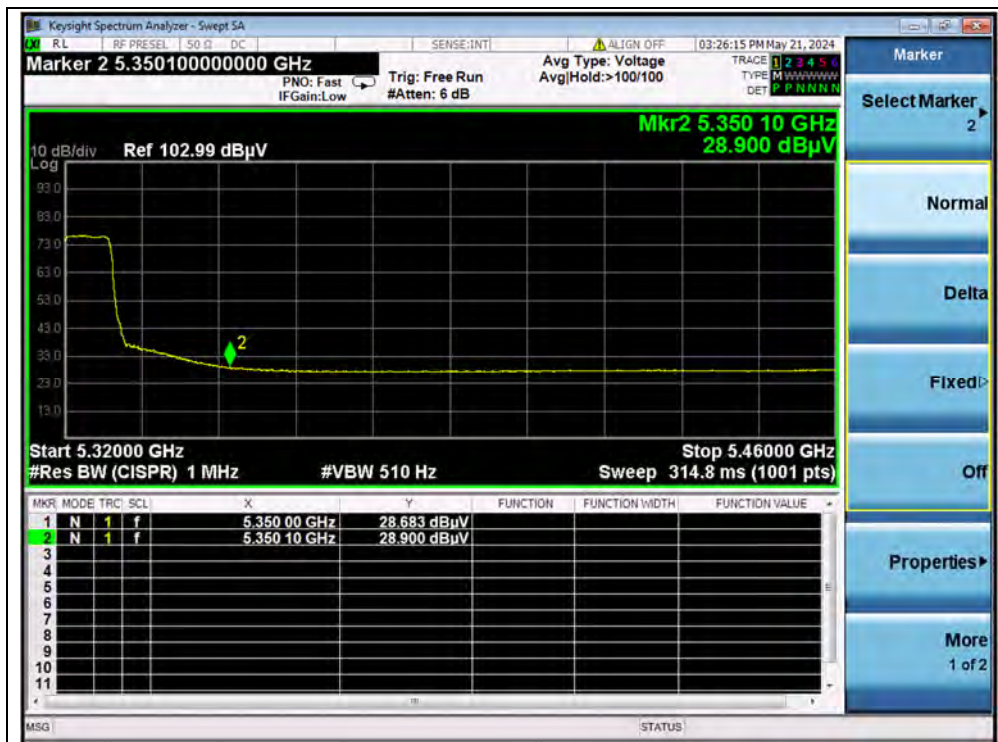
(PEAK, Channel 36, 802.11a)



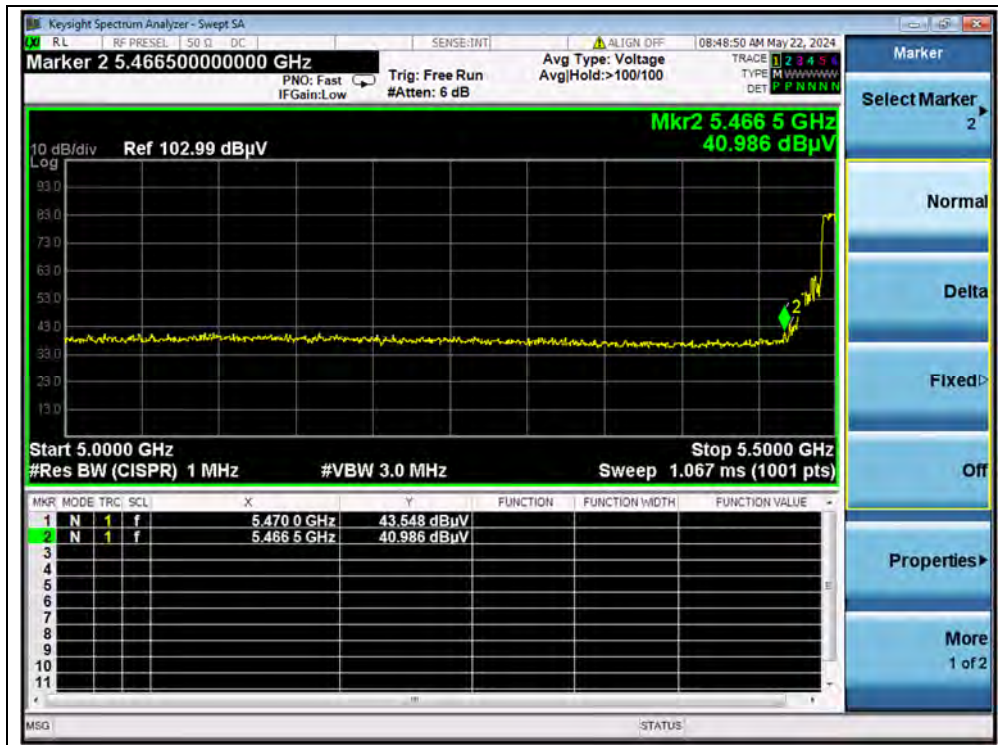
(AVERAGE, Channel 36, 802.11a)



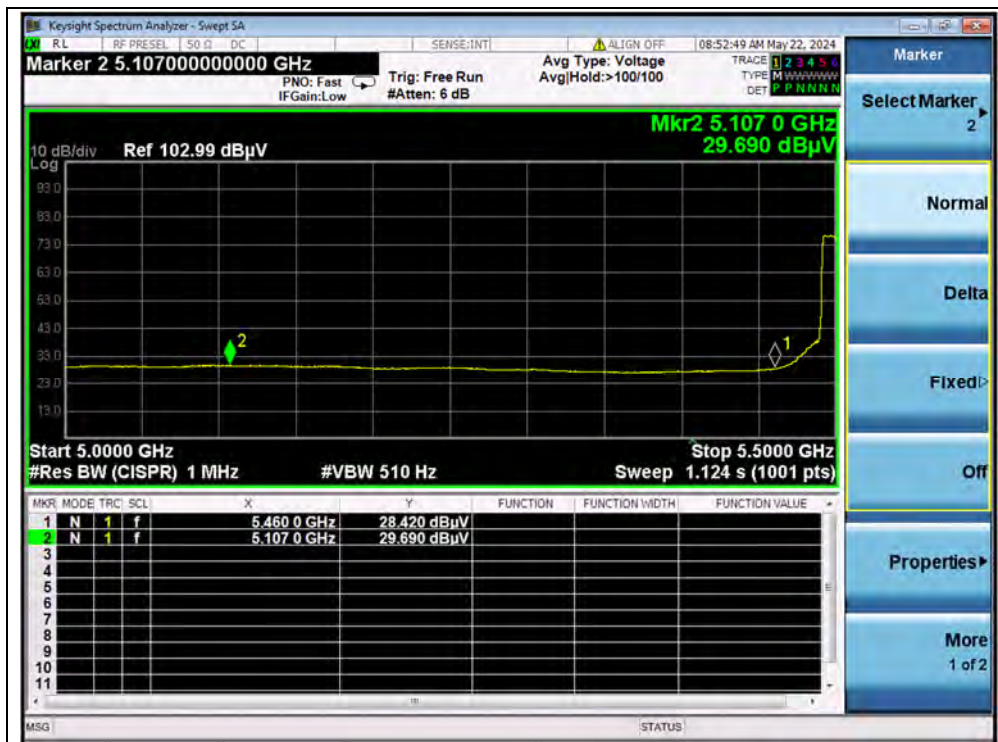
(PEAK, Channel 64, 802.11a)



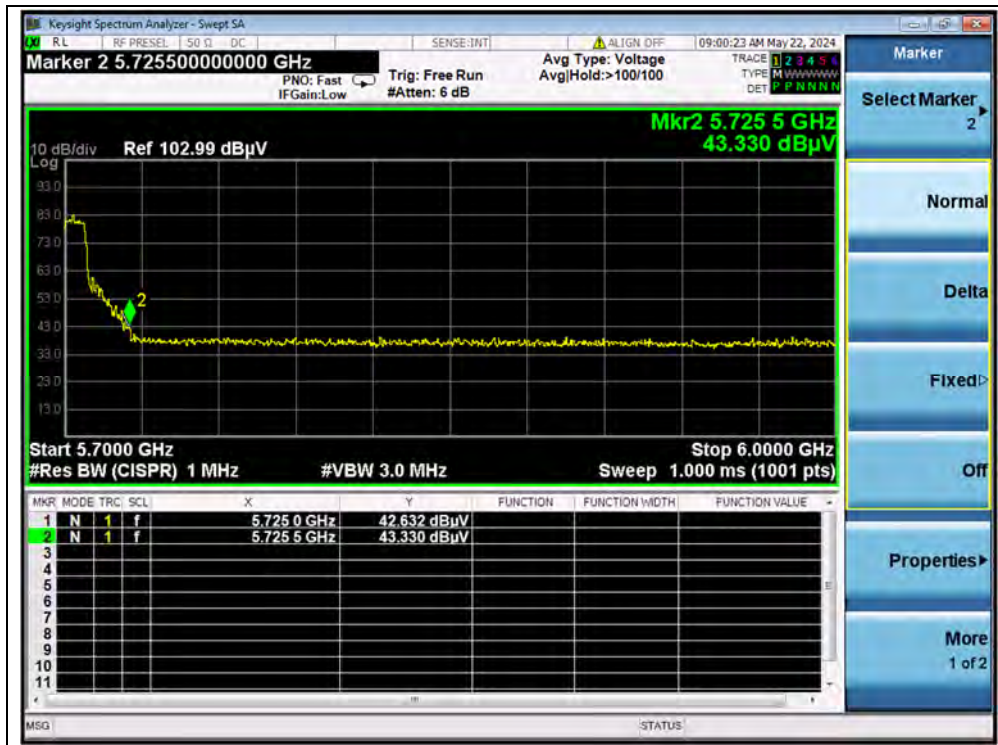
(AVERAGE, Channel 64, 802.11a)



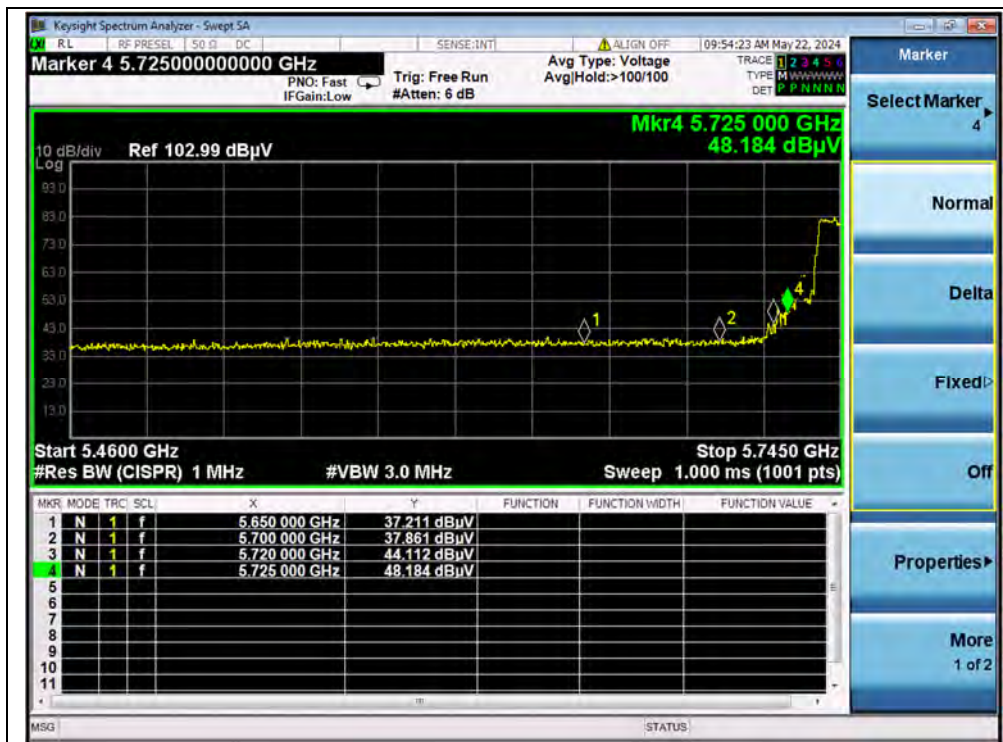
(PEAK, Channel 100, 802.11a)



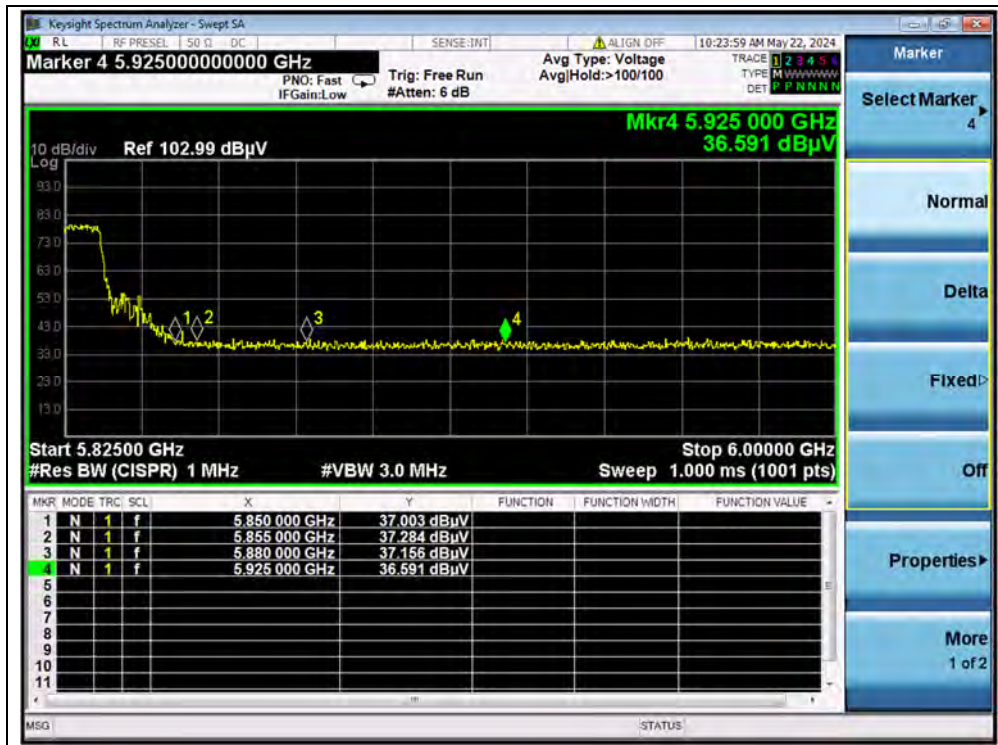
(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 140, 802.11a)



(PEAK, Channel 149, 802.11a)

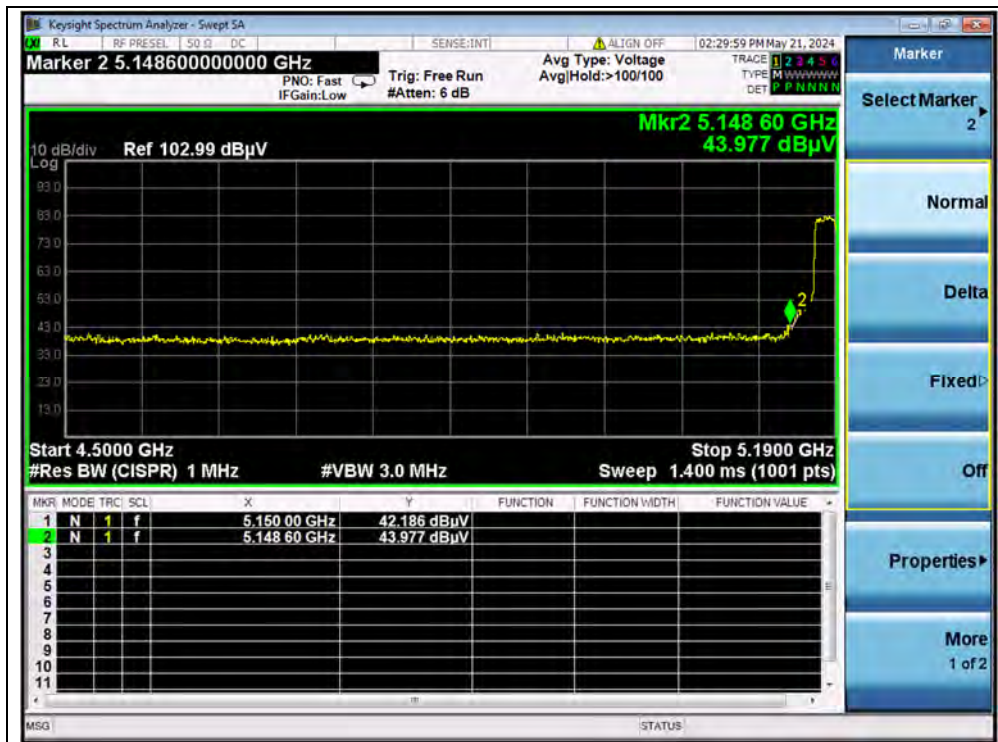


(PEAK, Channel 165, 802.11a)

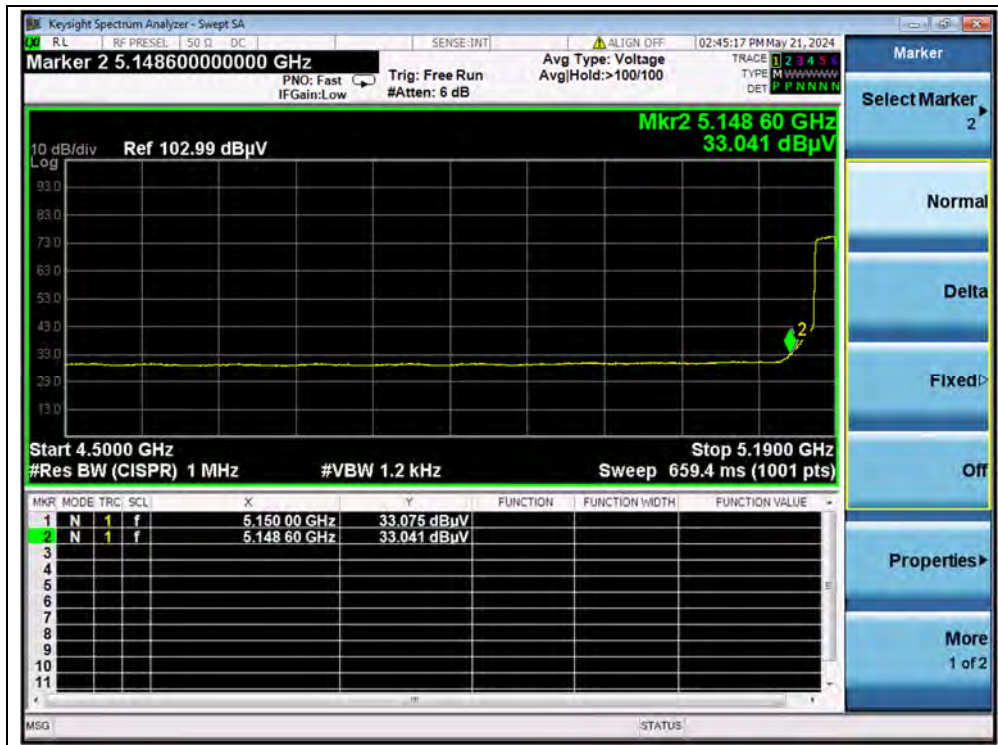


802.11n (HT40) Mode

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						
38	5148.60	PK	43.98	-21.29	32.20	54.89	74	PASS
38	5150.00	AV	33.08	-21.29	32.20	43.99	54	PASS
62	5350.00	PK	40.27	-20.66	32.20	51.81	74	PASS
62	5350.00	AV	31.56	-20.66	32.20	43.10	54	PASS
102	5469.20	PK	43.39	-20.24	32.20	55.35	68.23	PASS
102	5103.53	AV	30.12	-20.24	32.20	42.08	54	PASS
142	5827.74	PK	39.63	-20.24	32.20	51.59	68.23	PASS
151	5725.00	PK	50.48	-21.11	32.20	61.57	122.23	PASS
159	5925.00	PK	37.27	-21.11	32.20	48.36	68.23	PASS



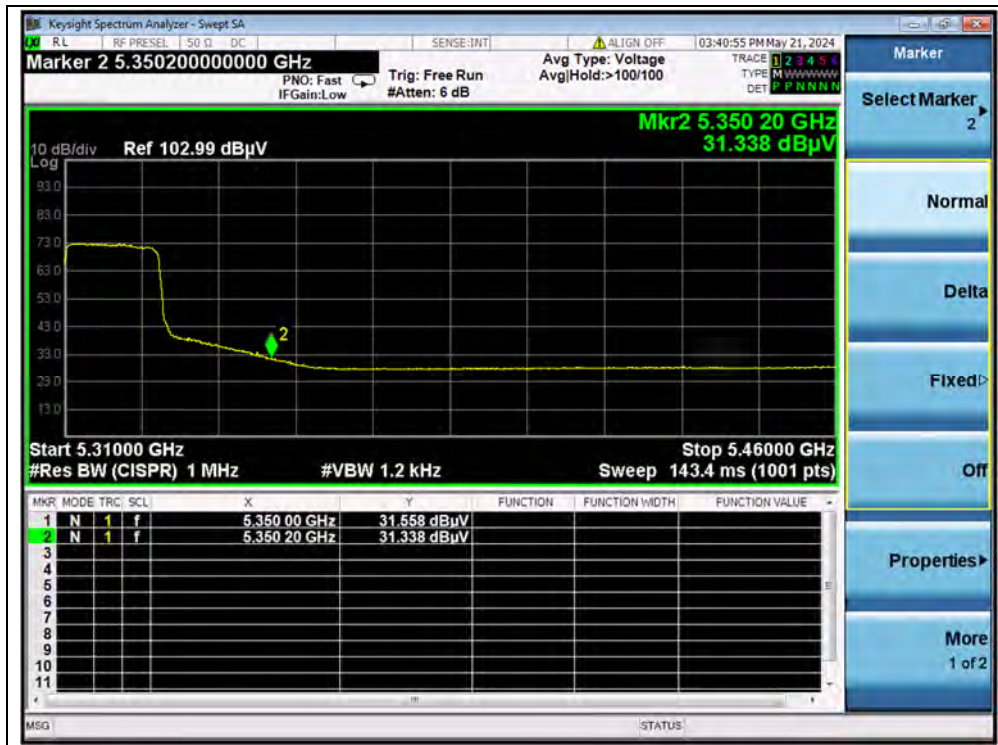
(PEAK, Channel 38, 802.11n (HT40))



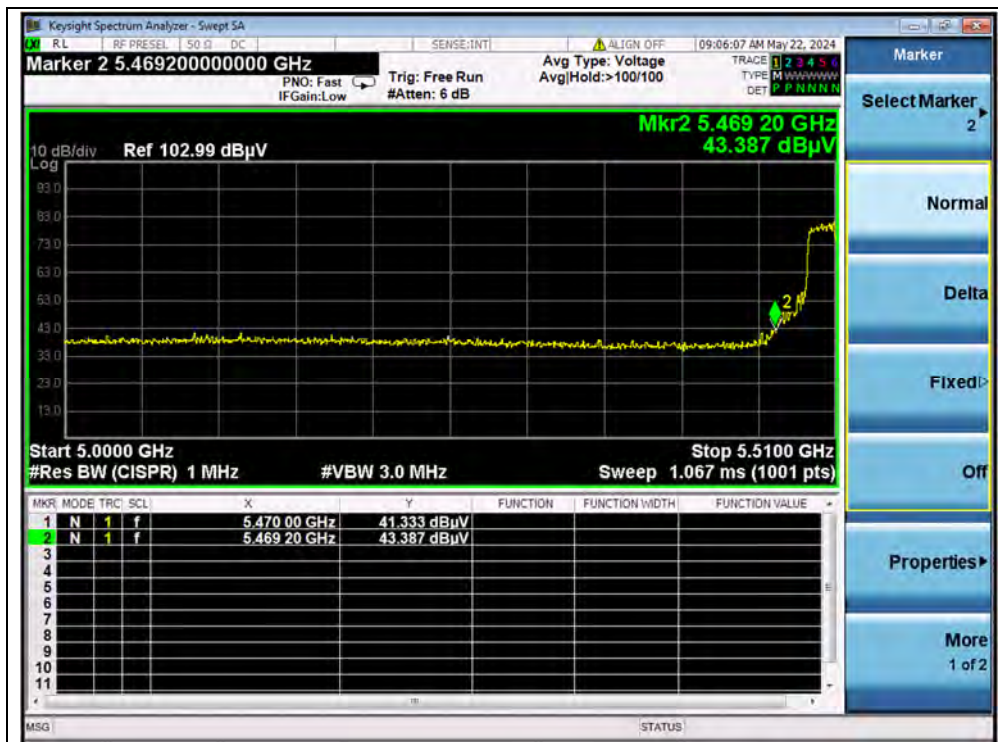
(AVERAGE, Channel 38, 802.11n (HT40))



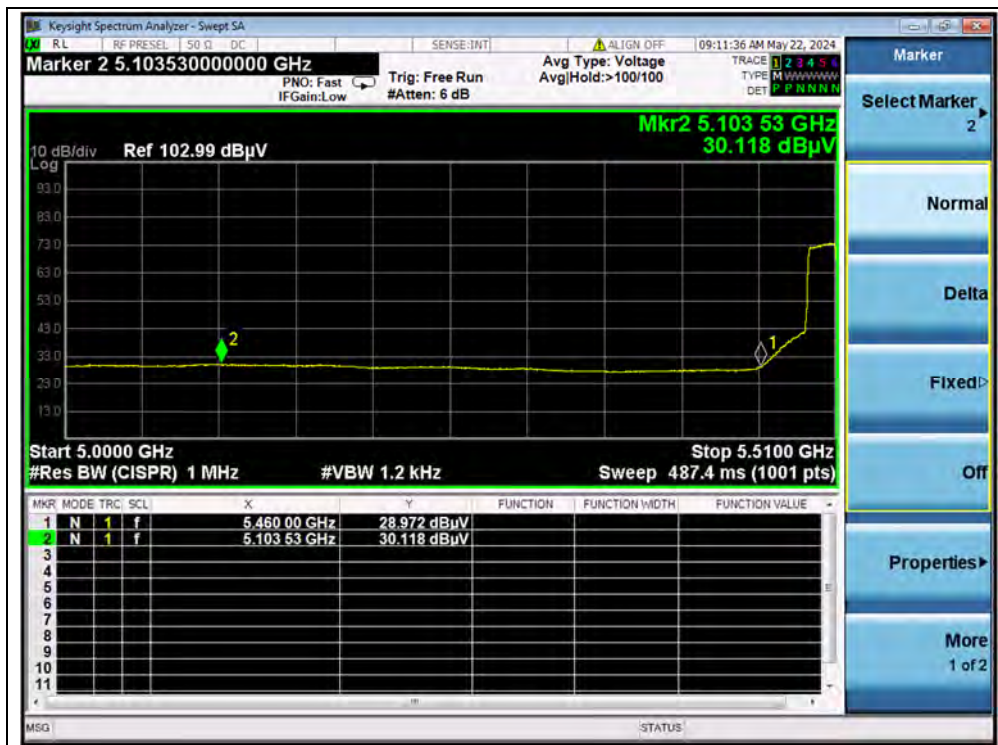
(PEAK, Channel 62, 802.11n (HT40))



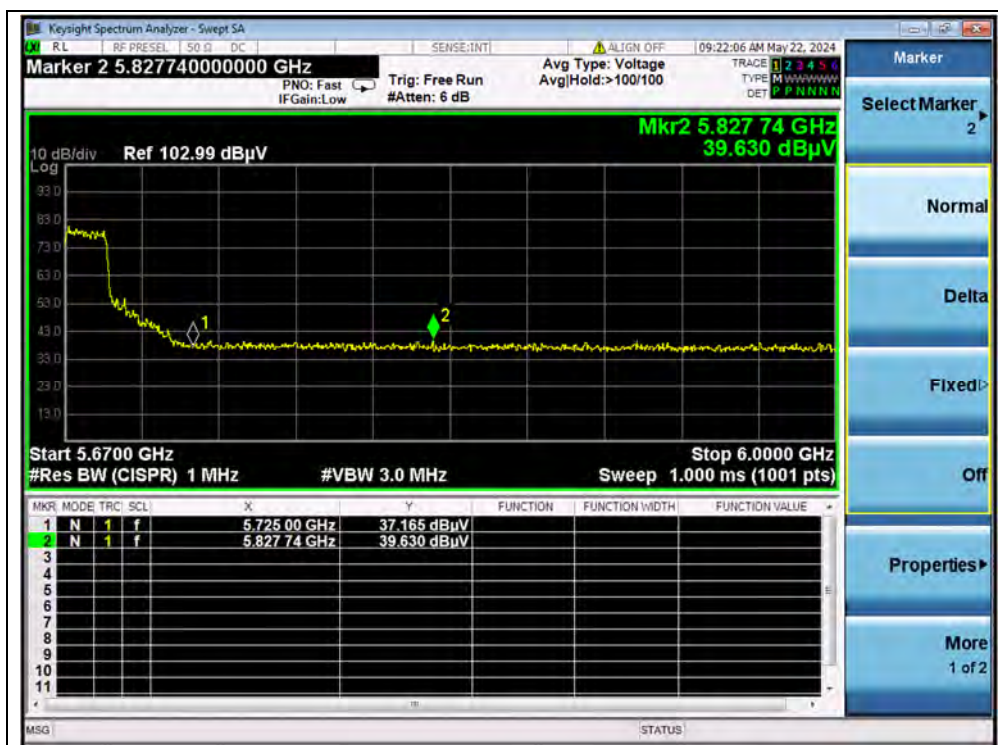
(AVERAGE, Channel 62, 802.11n (HT40))



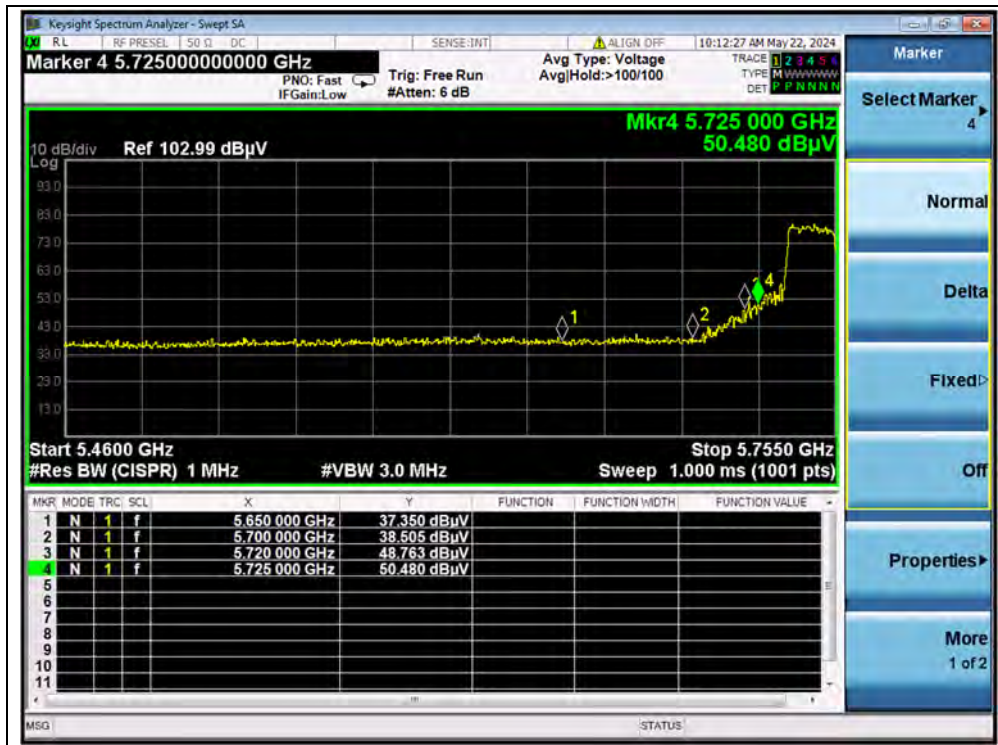
(PEAK, Channel 102, 802.11n (HT40))



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



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



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

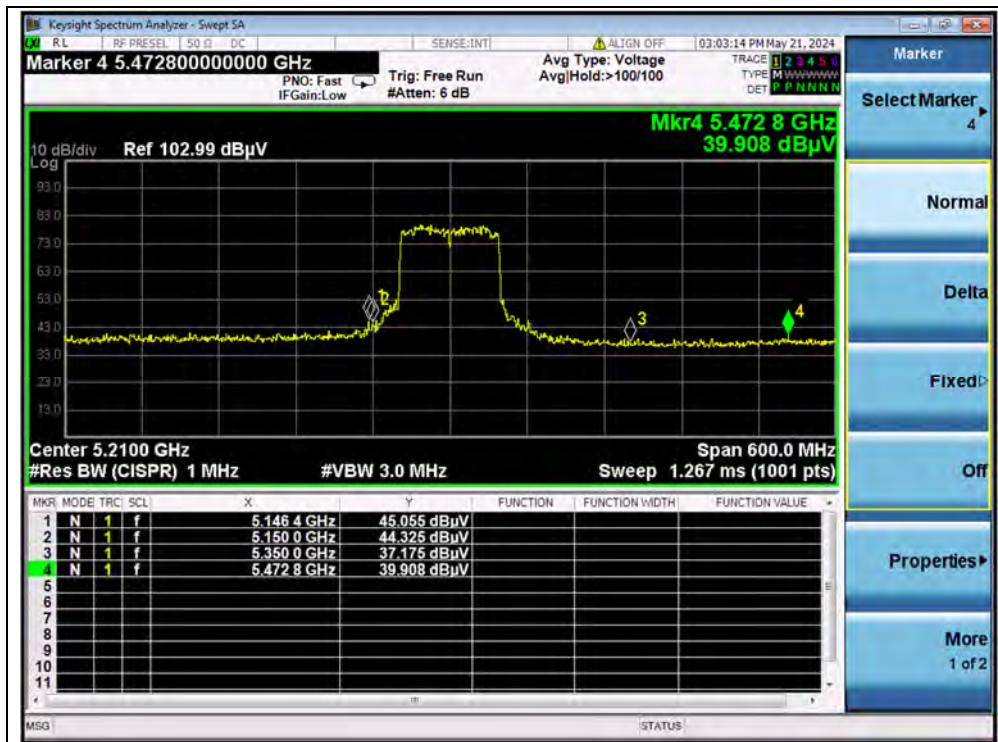


(PEAK, Channel 159, 802.11n (HT40))

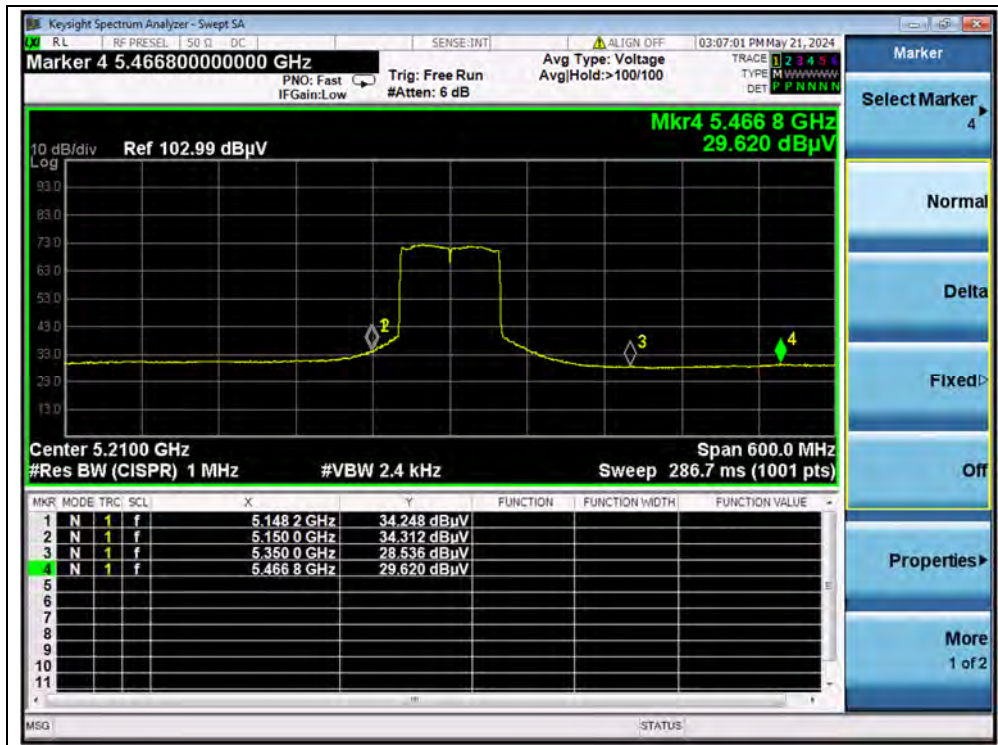


802.11ac (VHT80) Mode

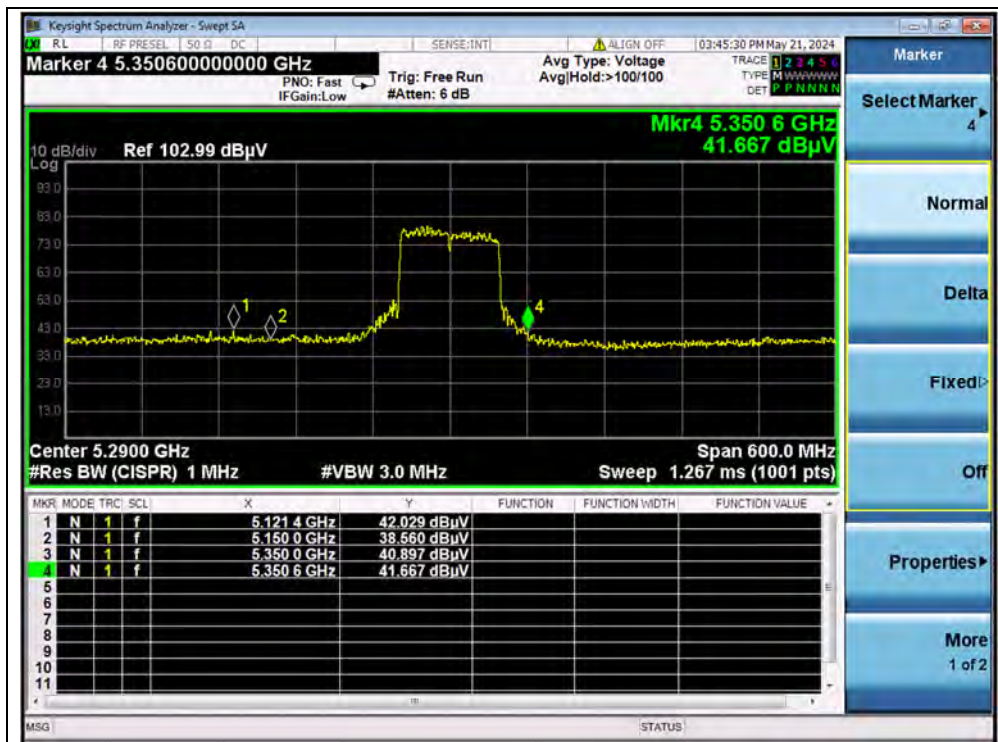
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
42	5146.40	PK	45.06	-21.29	32.20	55.97	74	PASS
42	5150.00	AV	34.31	-21.29	32.20	45.22	54	PASS
58	5121.40	PK	42.03	-20.66	32.20	53.57	74	PASS
58	5350.00	AV	33.03	-20.66	32.20	44.57	54	PASS
106	5470.00	PK	45.49	-20.24	32.20	57.45	68.23	PASS
106	5460.00	AV	33.43	-20.24	32.20	45.39	54	PASS
138	5766.78	PK	39.79	-20.24	32.20	51.75	68.23	PASS
155	5720.00	PK	48.02	-21.11	32.20	59.11	110.83	PASS
155	5850.00	PK	42.12	-21.11	32.20	53.21	122.23	PASS



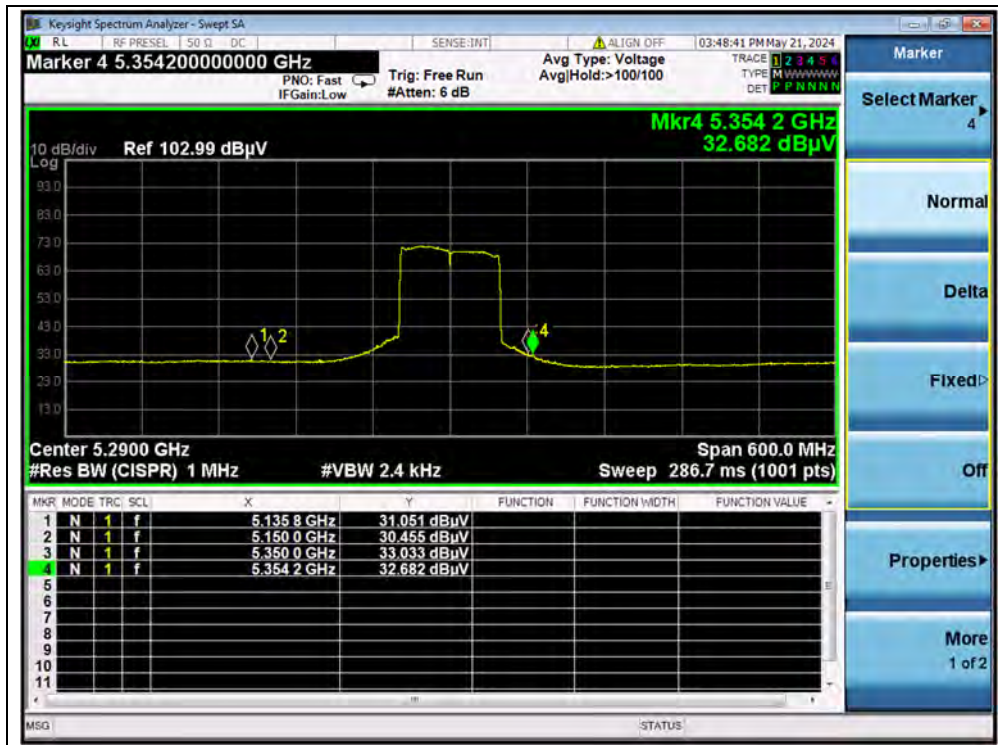
(PEAK, Channel 42, 802.11ac (VHT80))



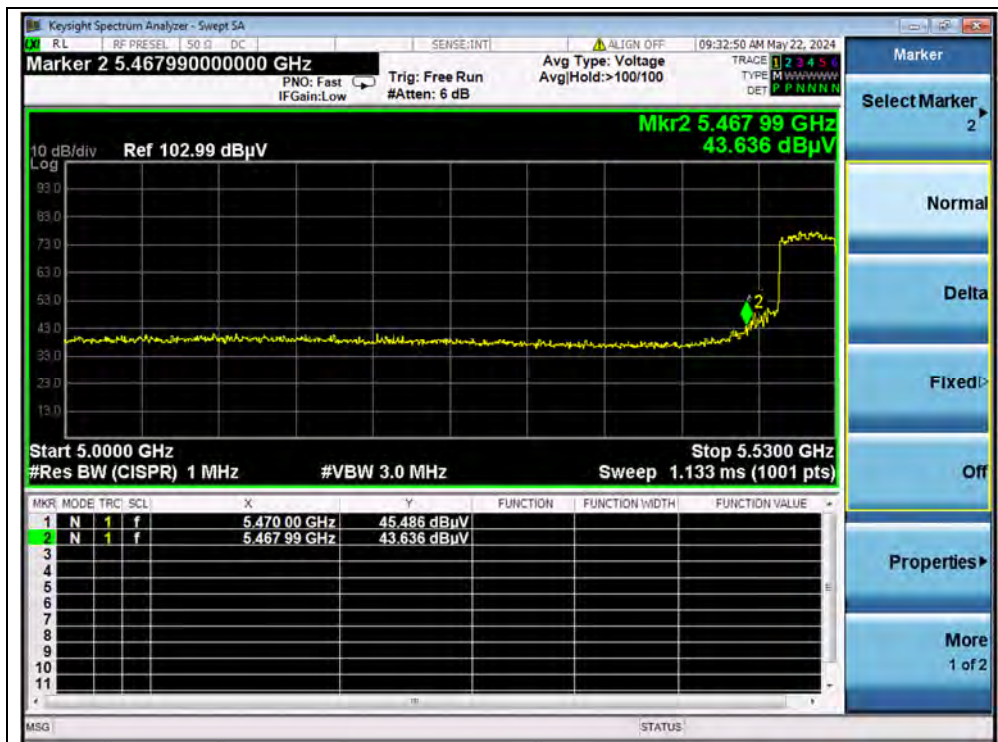
(AVERAGE, Channel 42, 802.11ac (VHT80))



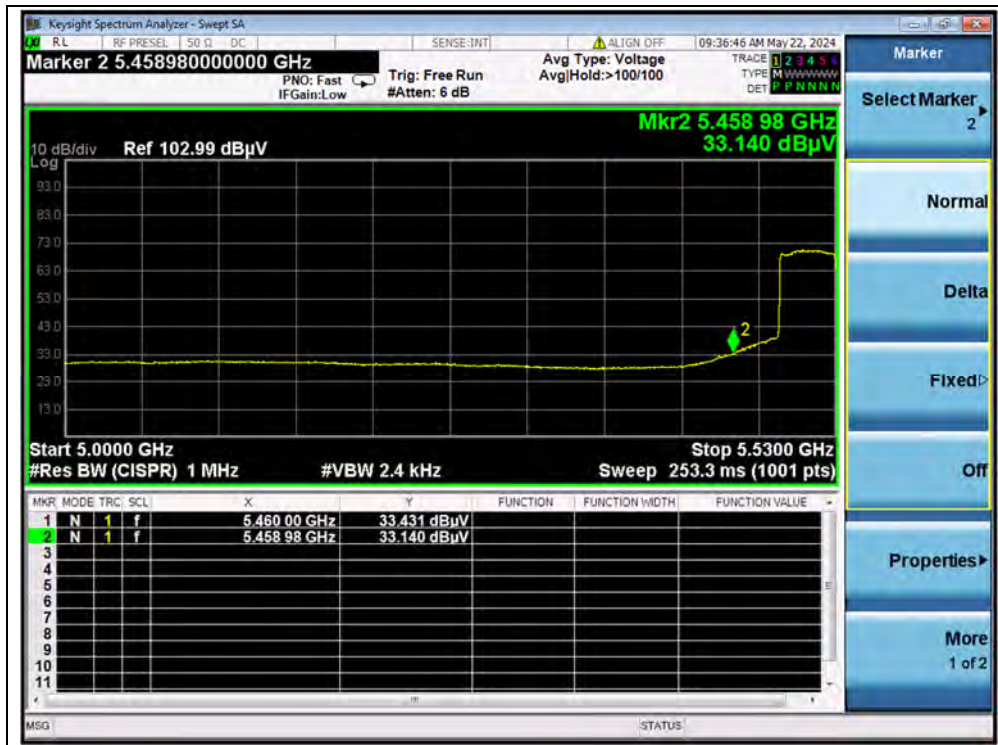
(PEAK, Channel 58, 802.11ac (VHT80))



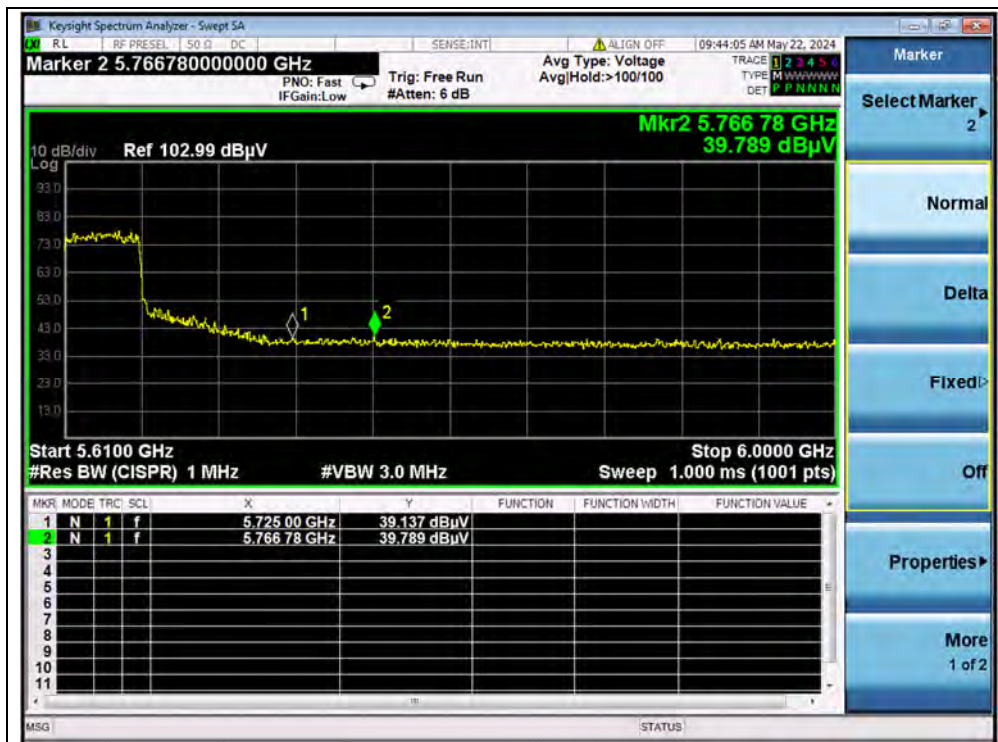
(AVERAGE, Channel 58, 802.11ac (VHT80))



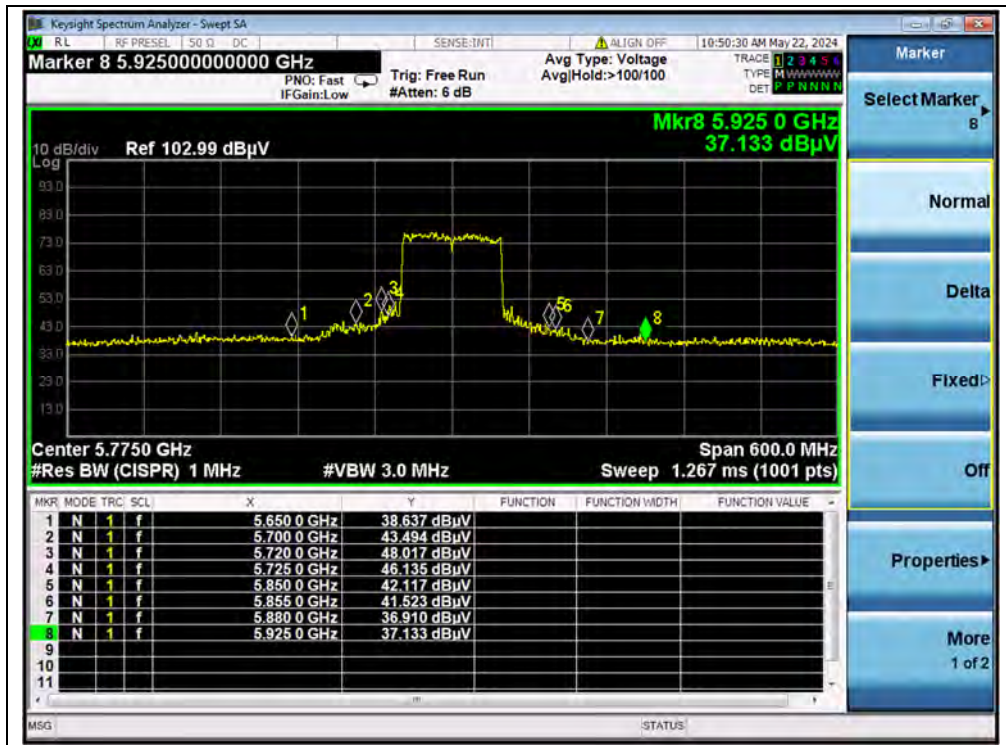
(PEAK, Channel 106, 802.11ac (VHT80))



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



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



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



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:

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

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. And only the worst 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 40GHz 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.

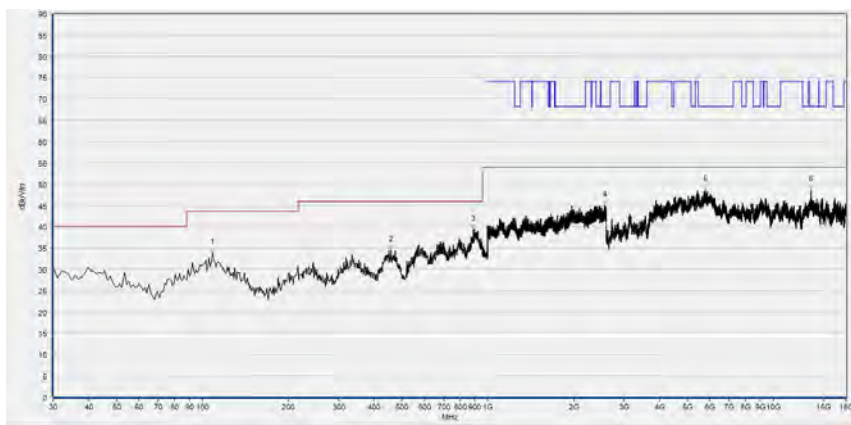
Field strength of fundamental:

Frequency (MHz)	Reading_Peak (dBμV/m)	Antenna Factor (dB)	Path Loss (dB)	Final_Peak (dBμV/m)	Antenna Polarity
5741.75	81.87	27.20	6.74	115.81	Horizontal
5744.75	76.83	27.20	6.74	110.77	Vertical

The field strength (the lowest) of fundamenta is more than 20dB higher than the unwanted emissions, in accordance with FCC part 15.215(b).

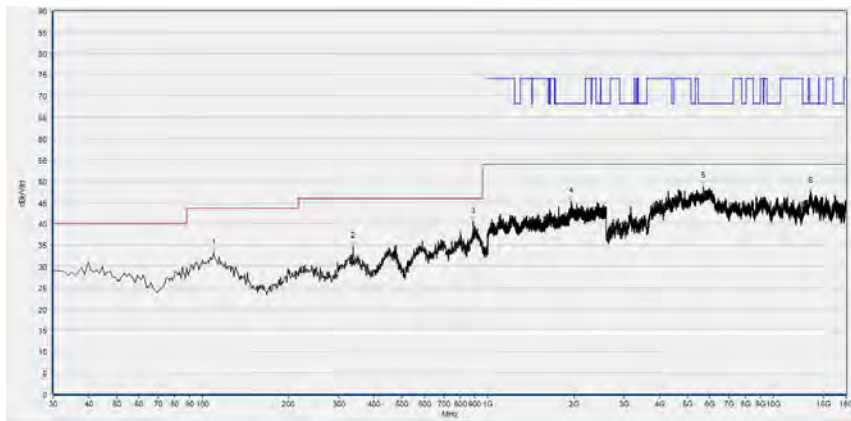
802.11a Mode

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
108.570	33.94	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
457.770	34.46	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
890.390	39.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2562.133	45.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5781.640	48.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13543.240	48.68	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

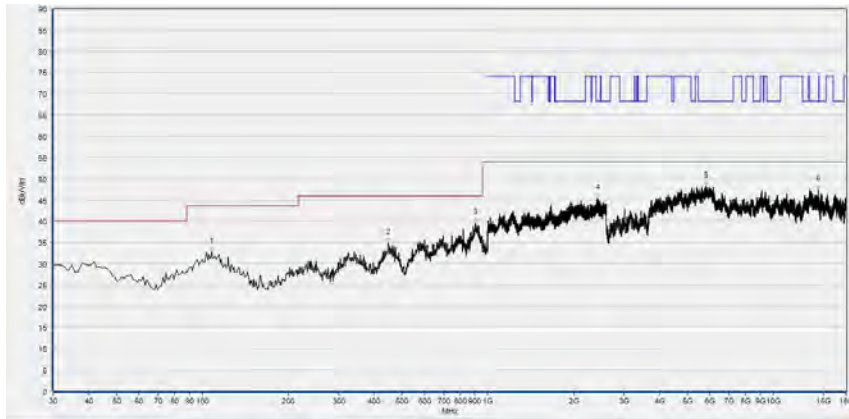
(Antenna Horizontal, 30MHz to 18GHz)



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
109.540	33.23	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
337.490	34.73	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
889.420	40.57	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1962.667	45.32	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5695.400	48.77	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13487.800	47.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

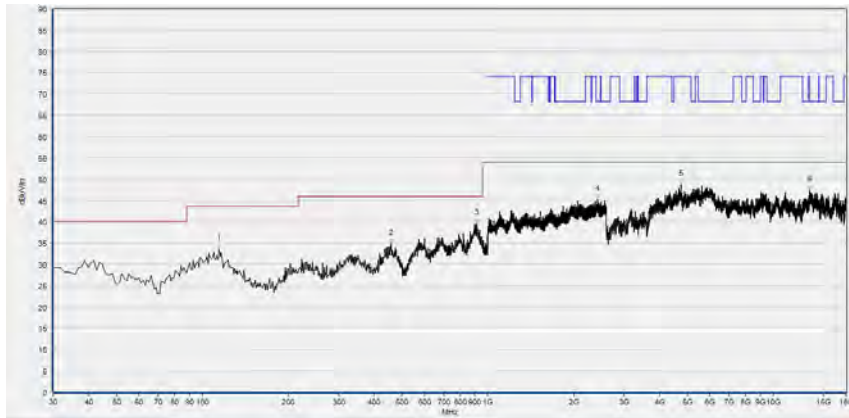
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	32.67	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
448.070	34.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
904.940	39.54	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2425.600	45.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5812.440	48.31	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14384.080	47.46	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

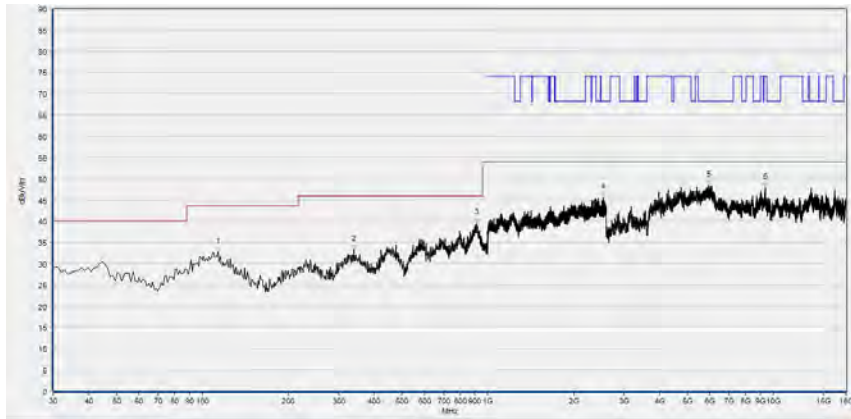
(Antenna Horizontal, 30MHz to 18GHz)



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
114.390	33.50	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
458.740	34.79	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
912.700	39.61	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2417.067	45.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4746.760	48.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13429.280	47.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

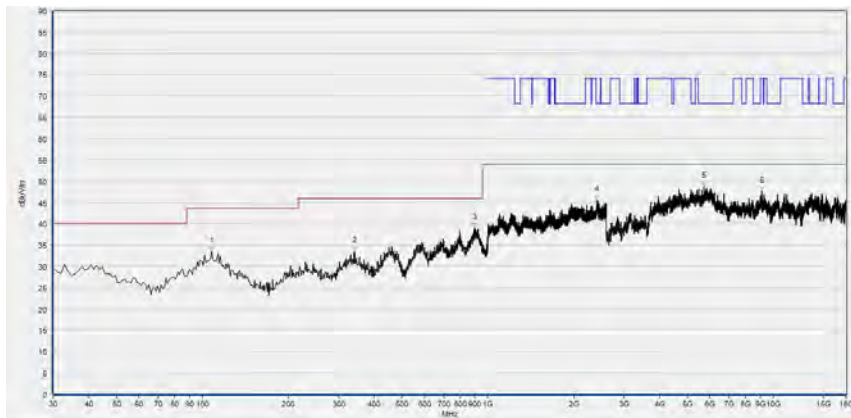
(Antenna Vertical, 30MHz to 18GHz)

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
113.420	32.72	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
339.430	33.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
914.640	39.52	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2533.867	45.51	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5938.720	48.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9379.080	47.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

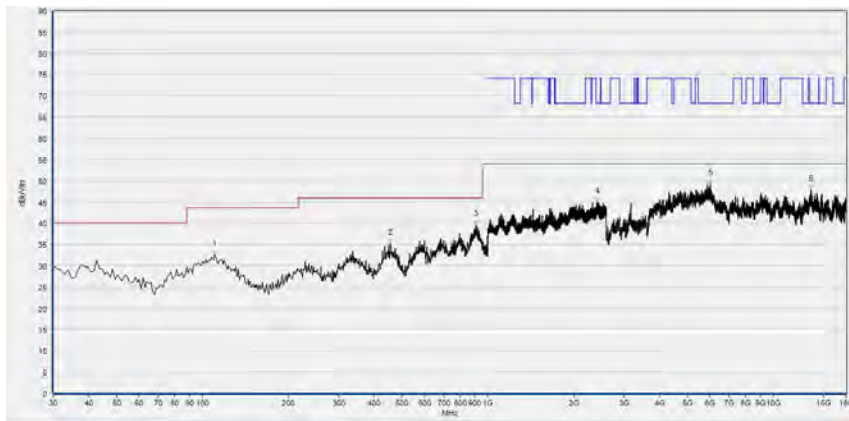
(Antenna Horizontal, 30MHz to 18GHz)



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	33.51	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
342.340	33.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
897.180	39.05	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2412.800	45.66	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5716.960	48.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9098.800	47.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

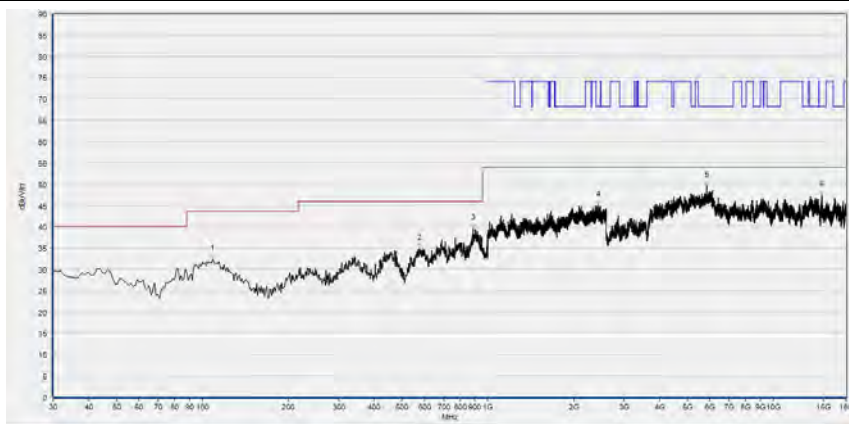
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	32.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
455.830	35.25	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
910.760	39.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2418.133	45.00	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6012.640	49.31	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13577.120	47.91	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

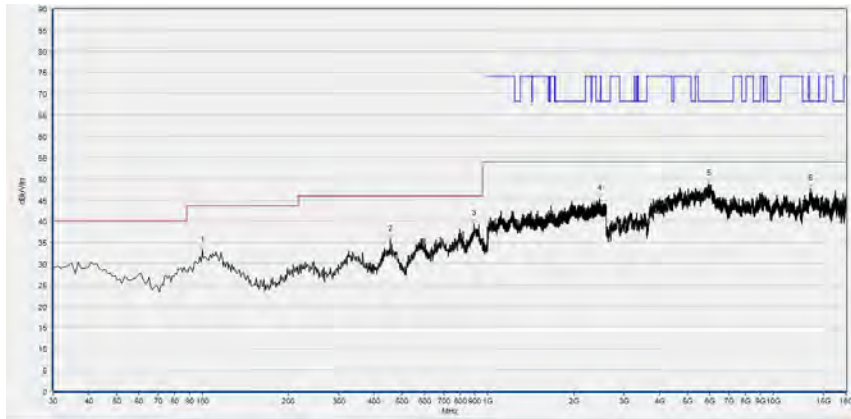
(Antenna Horizontal, 30MHz to 18GHz)



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	32.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
577.080	34.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
889.420	39.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2437.333	45.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5837.080	49.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14766.000	47.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

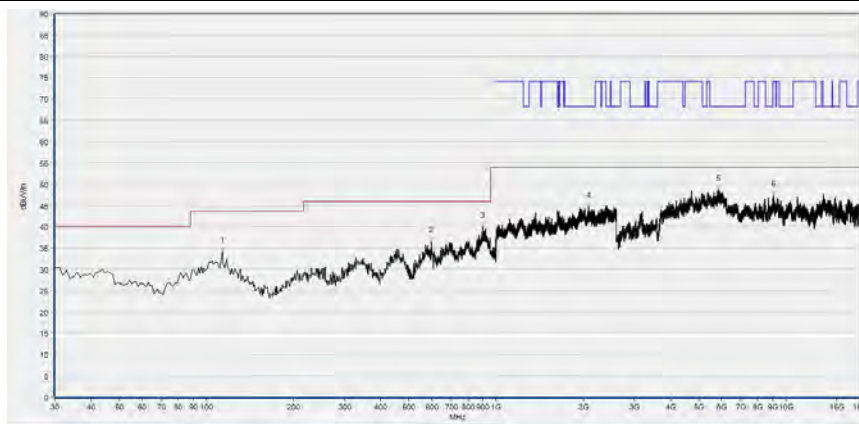
(Antenna Vertical, 30MHz to 18GHz)

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	33.22	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
454.860	35.74	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
894.270	39.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2464.000	45.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5966.440	48.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13500.120	47.64	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

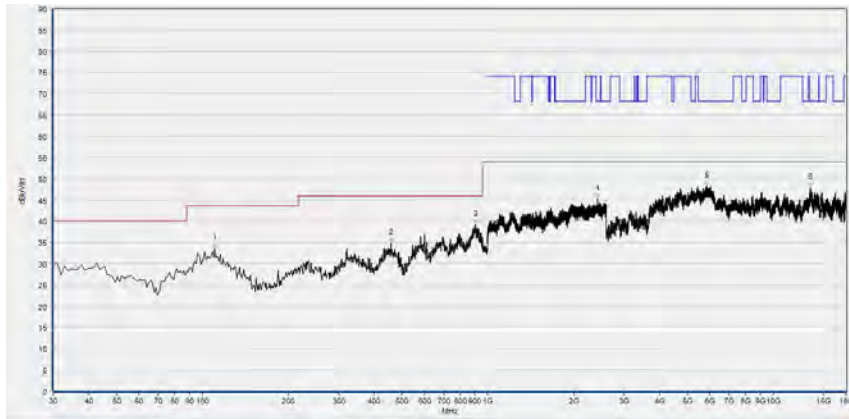
(Antenna Horizontal, 30MHz to 18GHz)



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
113.420	34.14	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
598.420	36.58	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
900.090	40.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2086.933	44.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5855.560	48.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9061.840	47.44	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

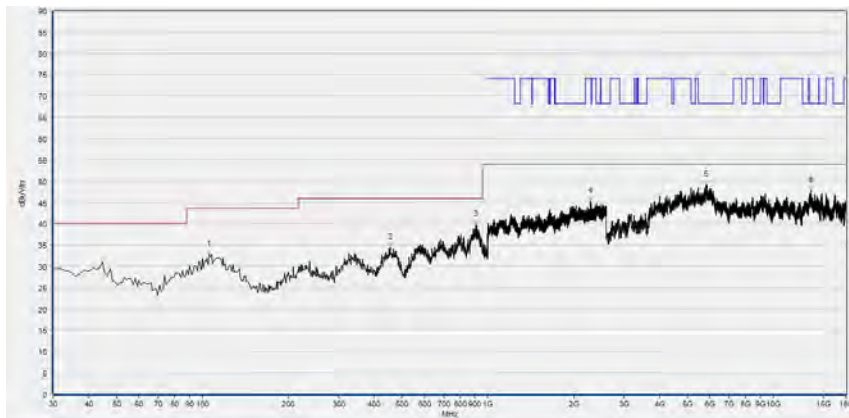
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	33.55	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
457.770	34.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
904.940	39.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2418.133	45.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5837.080	48.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13500.120	47.96	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

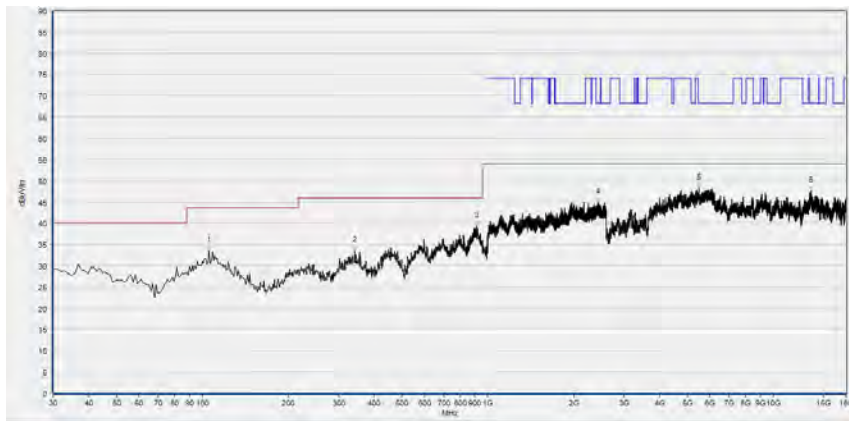
(Antenna Horizontal, 30MHz to 18GHz)



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
105.660	32.76	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
454.860	34.43	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
907.850	39.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2292.800	45.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5815.520	49.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13586.360	47.76	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

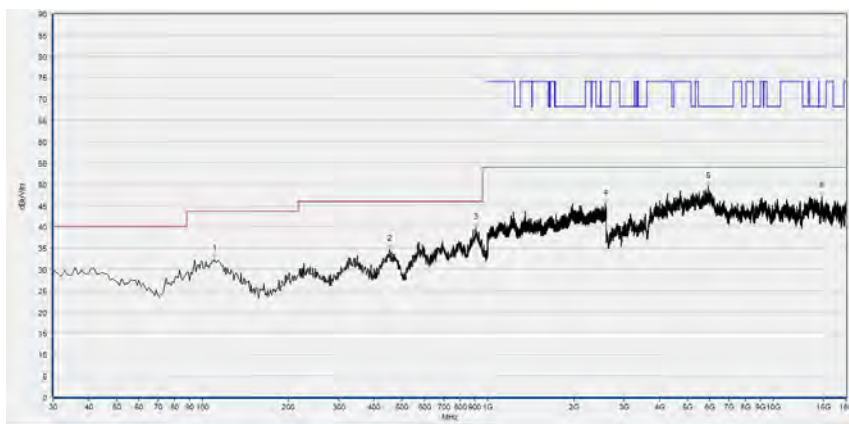
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	33.49	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
342.340	33.46	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
913.670	39.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2442.133	44.94	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5492.120	48.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13546.320	47.64	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

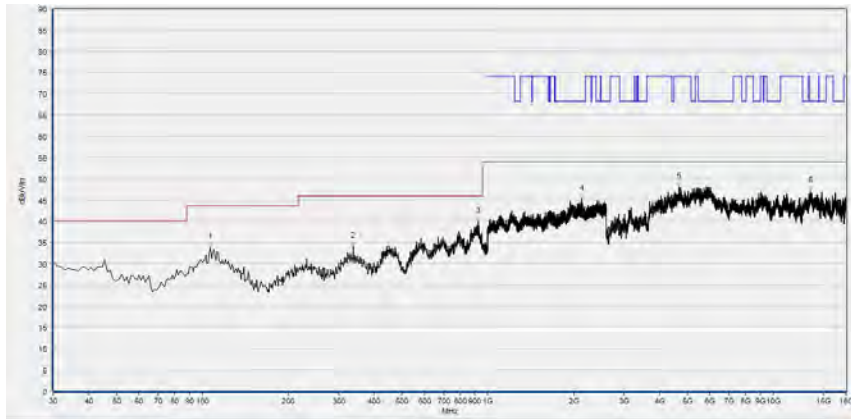
(Antenna Horizontal, 30MHz to 18GHz)



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	32.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
452.920	34.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
907.850	39.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2573.867	45.47	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5935.640	49.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14769.080	47.15	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

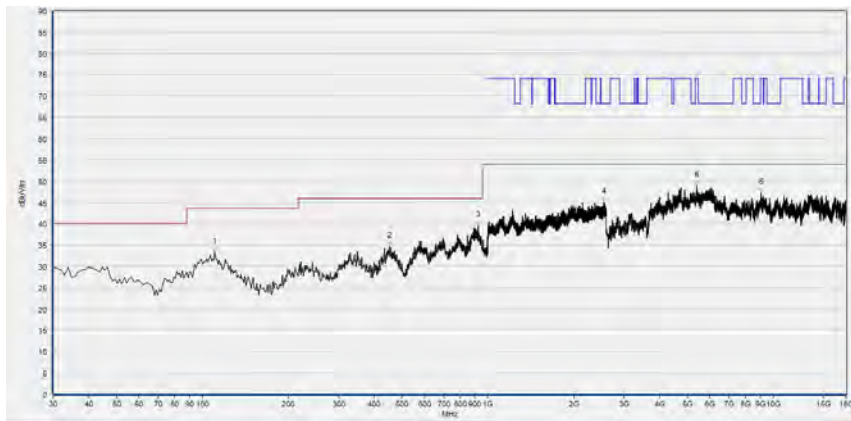
(Antenna Vertical, 30MHz to 18GHz)

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
106.630	33.84	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
338.460	34.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
927.250	39.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2138.133	45.27	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4660.520	48.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13503.200	47.09	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

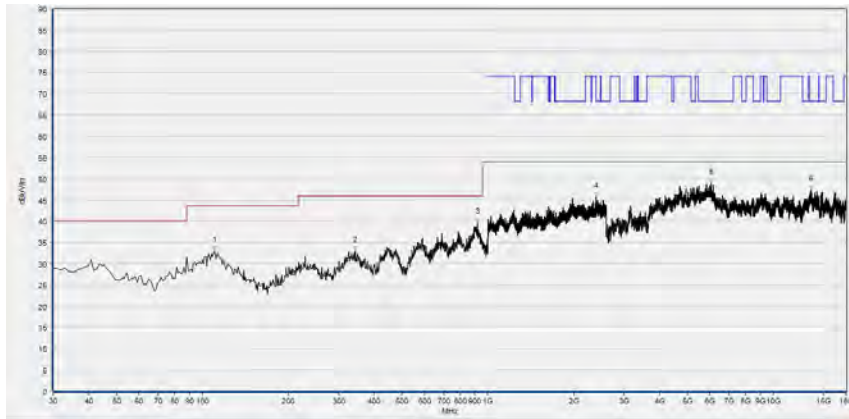
(Antenna Horizontal, 30MHz to 18GHz)



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	33.34	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
451.950	34.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
924.340	39.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2547.733	45.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5399.720	48.98	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9068.000	47.33	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

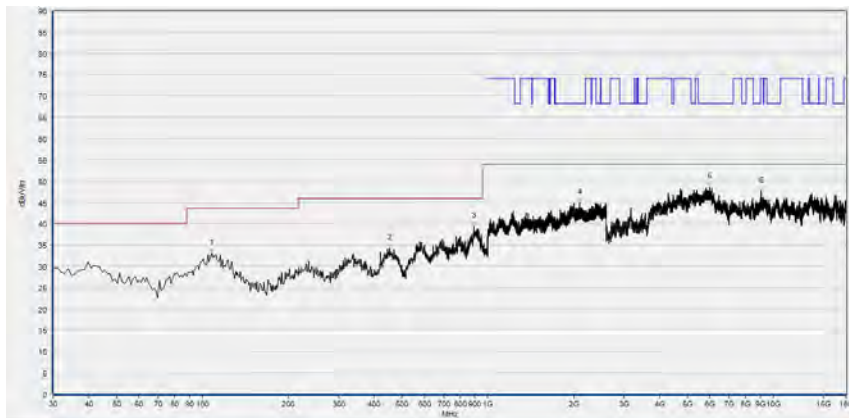
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 140



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	33.03	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
343.310	33.03	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
920.460	39.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2389.333	45.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6061.920	49.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13604.840	47.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

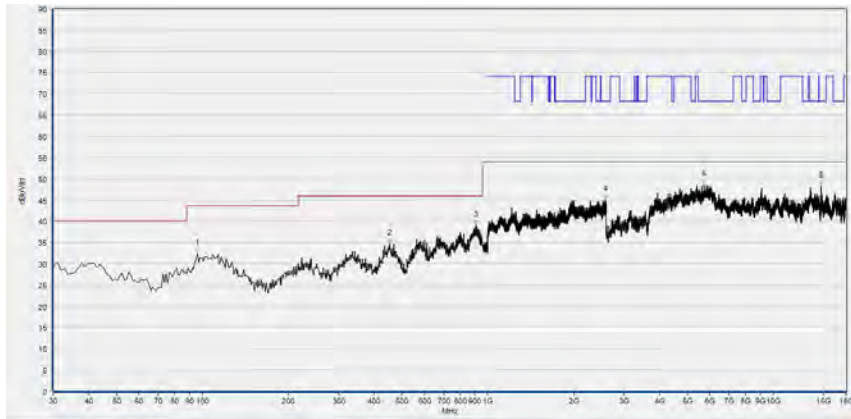
(Antenna Horizontal, 30MHz to 18GHz)



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
107.600	32.94	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
451.950	34.26	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
894.270	39.40	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2095.467	44.91	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5978.760	48.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9068.000	47.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

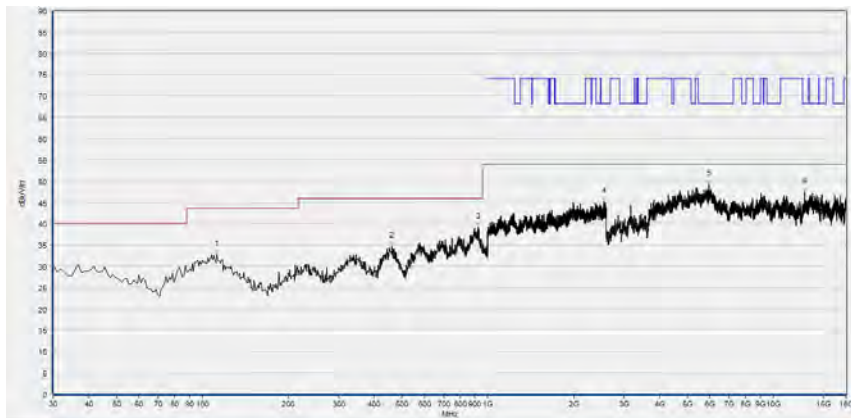
(Antenna Vertical, 30MHz to 18GHz)

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
95.960	32.34	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
453.890	34.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
907.850	38.97	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2575.467	45.00	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5732.360	48.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14750.600	48.21	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

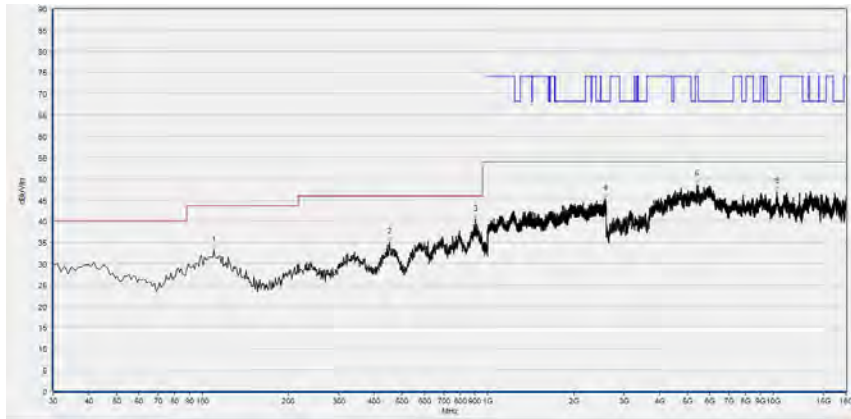
(Antenna Horizontal, 30MHz to 18GHz)



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	32.68	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
461.650	34.70	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
923.370	39.22	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2554.667	45.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5941.800	49.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12868.720	47.46	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

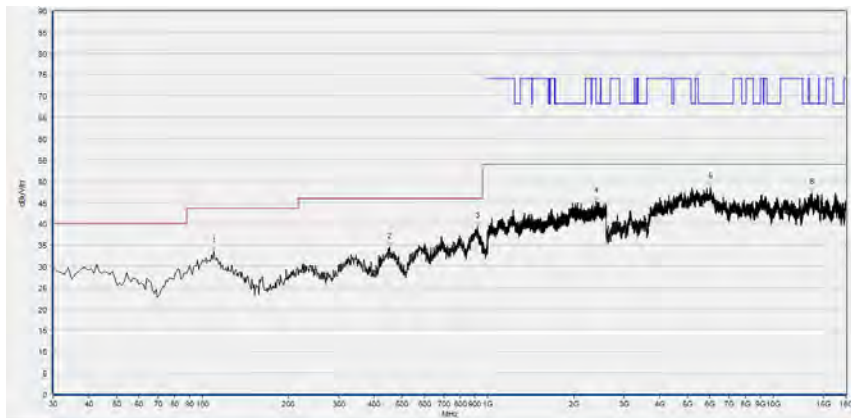
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	33.21	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
451.950	34.95	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
903.000	40.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2580.267	45.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5405.880	48.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10306.160	46.92	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

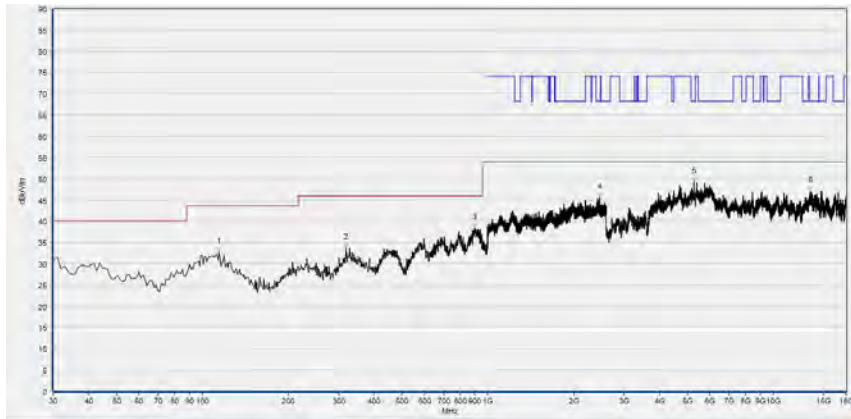
(Antenna Horizontal, 30MHz to 18GHz)



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
109.540	33.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
452.920	34.57	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
922.400	39.44	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2394.133	45.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6021.880	48.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13675.680	47.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

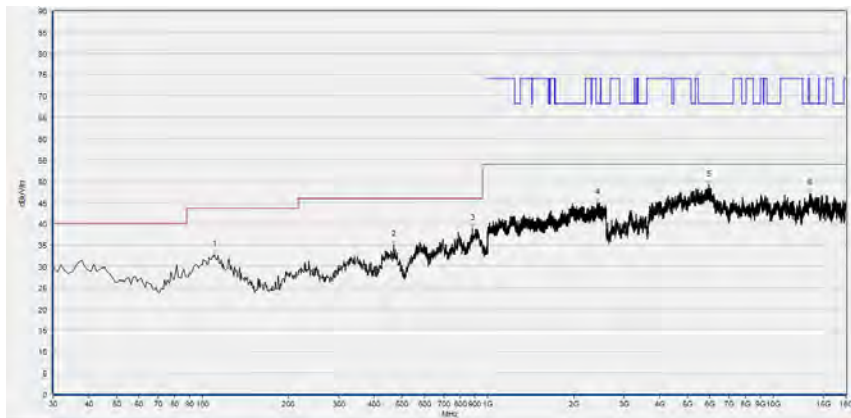
(Antenna Vertical, 30MHz to 18GHz)

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
114.390	32.63	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
318.090	33.72	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
899.120	38.35	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2465.067	45.51	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5267.280	49.31	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13512.440	47.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



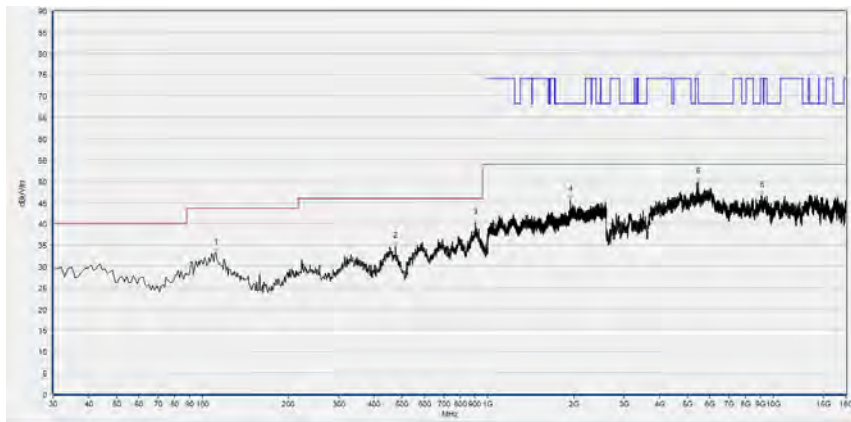
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	32.64	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
467.470	35.05	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
882.630	38.89	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2419.733	44.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5960.280	49.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13438.520	47.01	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



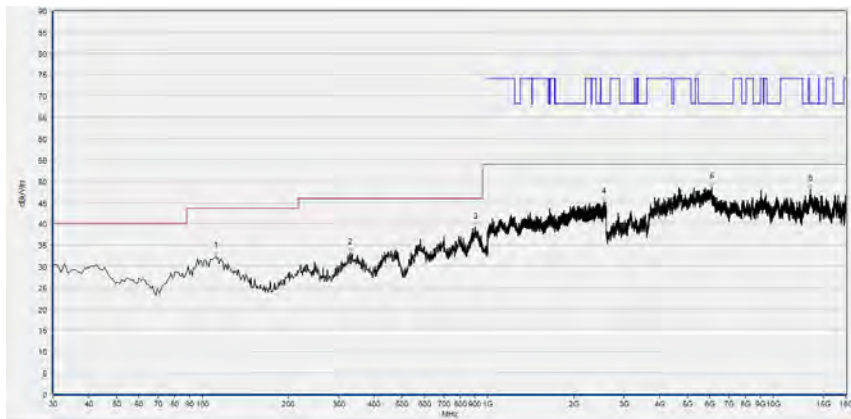
802.11n (HT40) mode

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
111.480	33.26	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
475.230	34.67	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
905.910	40.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1947.733	45.62	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5473.640	49.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9098.800	46.63	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

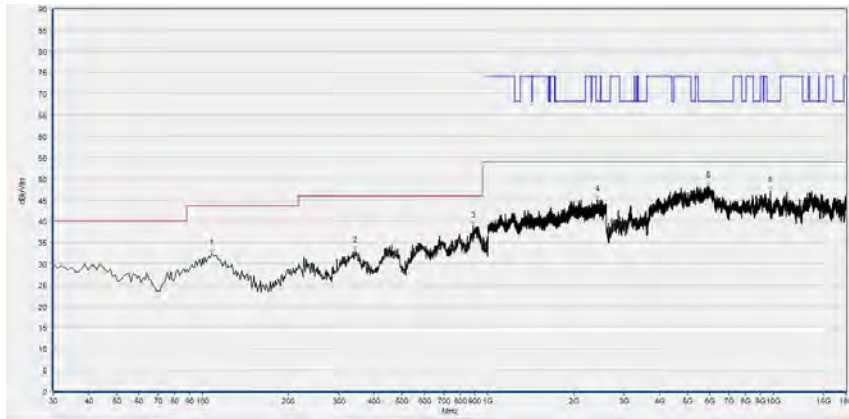
(Antenna Horizontal, 30MHz to 18GHz)



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	32.31	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
329.730	33.11	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
905.910	39.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2550.933	45.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6077.320	48.58	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13460.080	48.12	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

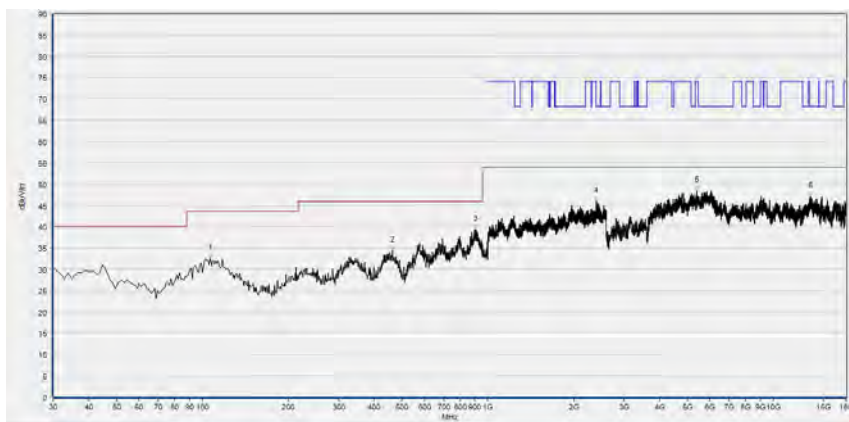
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	32.37	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
344.280	33.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
887.480	38.91	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2418.133	45.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5907.920	48.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9767.160	47.04	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

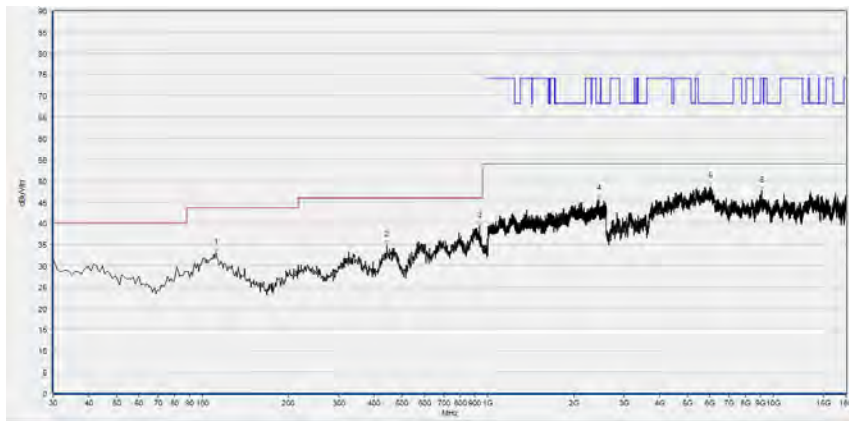
(Antenna Horizontal, 30MHz to 18GHz)



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	32.59	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
463.590	34.33	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
903.970	39.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2401.600	45.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5402.800	48.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13457.000	47.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

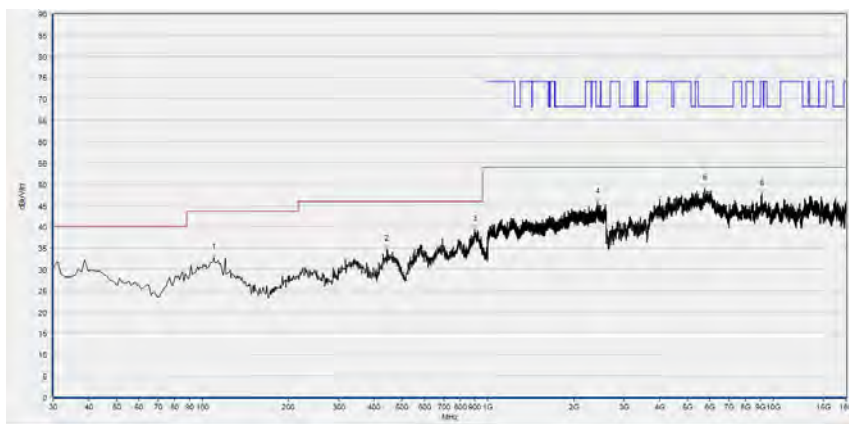
(Antenna Vertical, 30MHz to 18GHz)

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
111.480	33.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
443.220	34.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
934.040	39.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2443.733	45.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6012.640	48.58	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9092.640	47.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

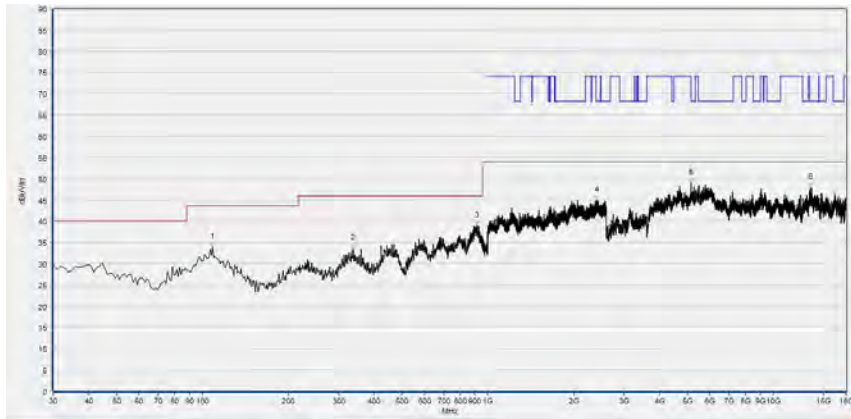
(Antenna Horizontal, 30MHz to 18GHz)



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
109.540	32.72	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
443.220	34.68	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
900.090	39.32	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2427.733	45.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5766.240	48.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9098.800	47.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

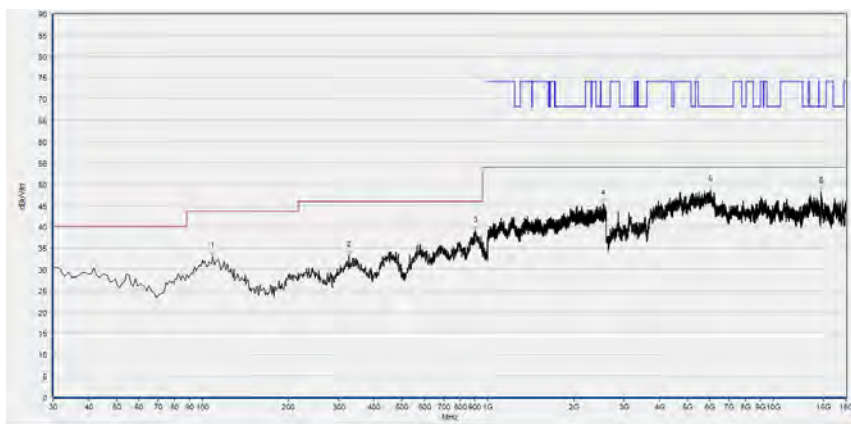
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	33.80	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
338.460	33.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
914.640	38.91	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2410.667	44.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5144.080	48.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13466.240	47.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

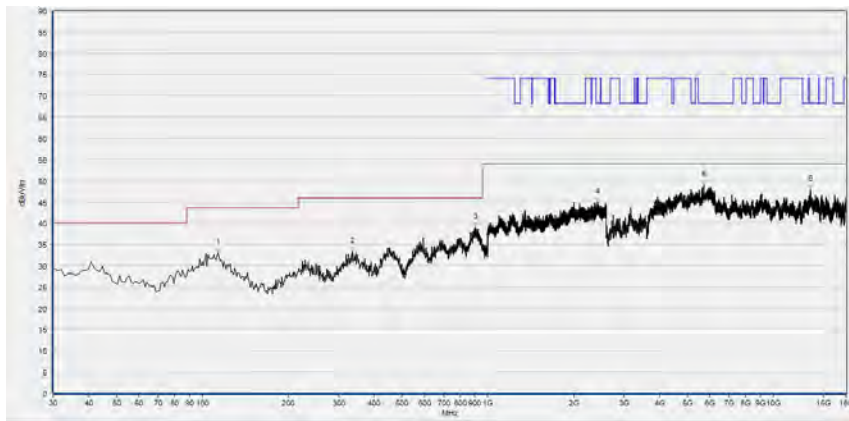
(Antenna Horizontal, 30MHz to 18GHz)



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	33.03	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
326.820	33.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
903.970	39.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2540.800	45.45	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6015.720	48.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14747.520	48.33	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

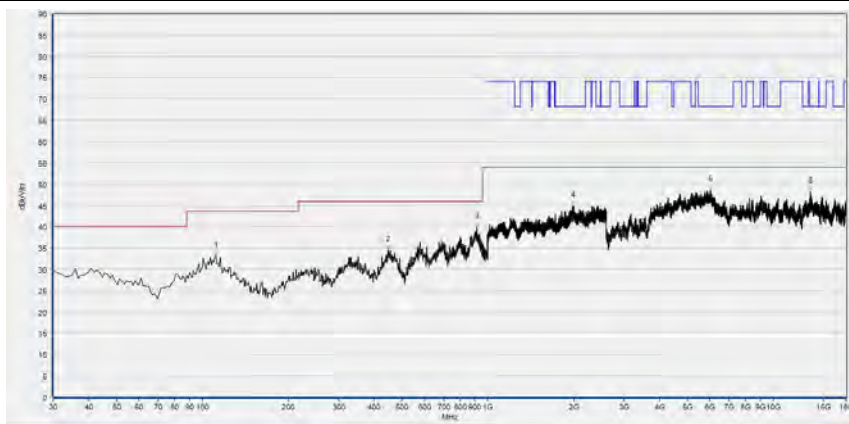
(Antenna Vertical, 30MHz to 18GHz)

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
113.420	33.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
336.520	33.41	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
903.970	39.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2426.133	44.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5729.280	48.91	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13469.320	47.90	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

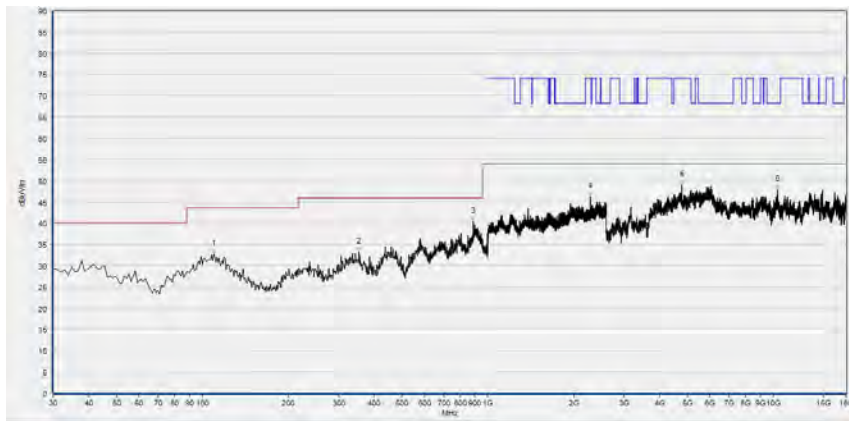
(Antenna Horizontal, 30MHz to 18GHz)



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	33.21	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
447.100	34.54	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
916.580	39.82	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1996.800	44.86	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6028.040	48.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13463.160	48.28	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

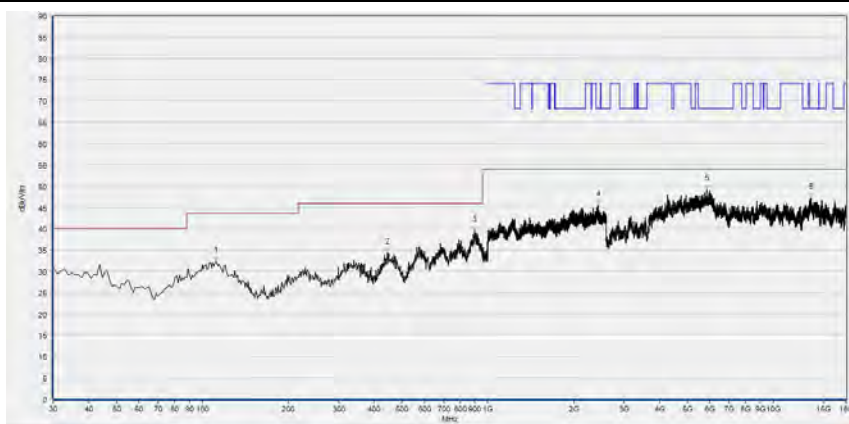
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.71	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
353.980	33.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
889.420	40.44	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2290.133	46.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4780.640	48.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10343.120	47.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

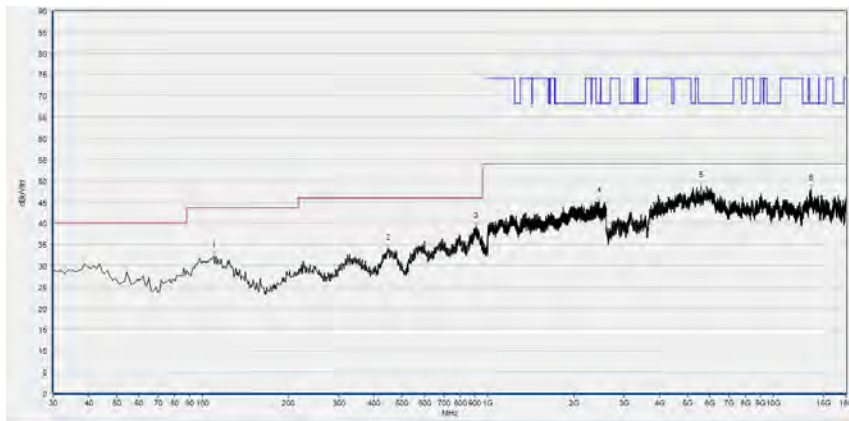
(Antenna Horizontal, 30MHz to 18GHz)



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	32.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
445.160	34.43	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.120	39.54	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2433.600	45.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5837.080	49.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13586.360	47.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

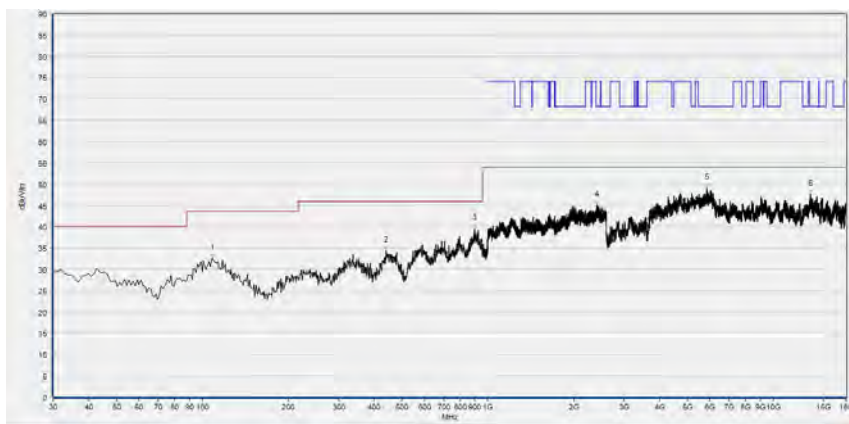
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
447.100	33.97	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
908.820	39.25	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.067	45.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5578.360	48.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13607.920	48.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

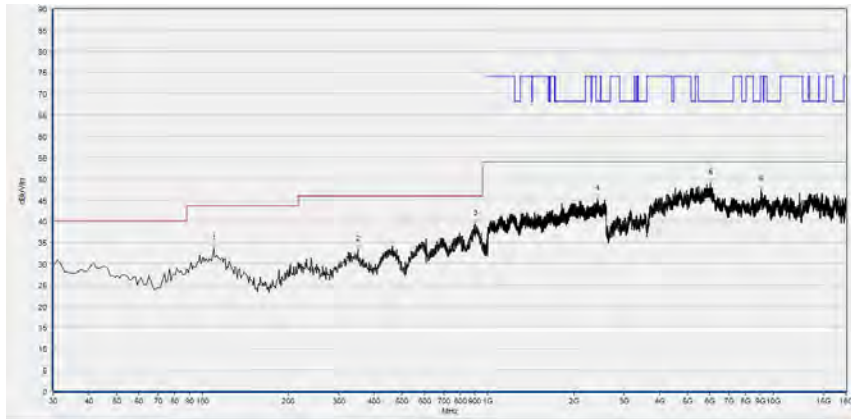
(Antenna Horizontal, 30MHz to 18GHz)



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	32.50	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
440.310	34.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.120	39.47	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2402.133	45.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5837.080	49.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13472.400	47.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

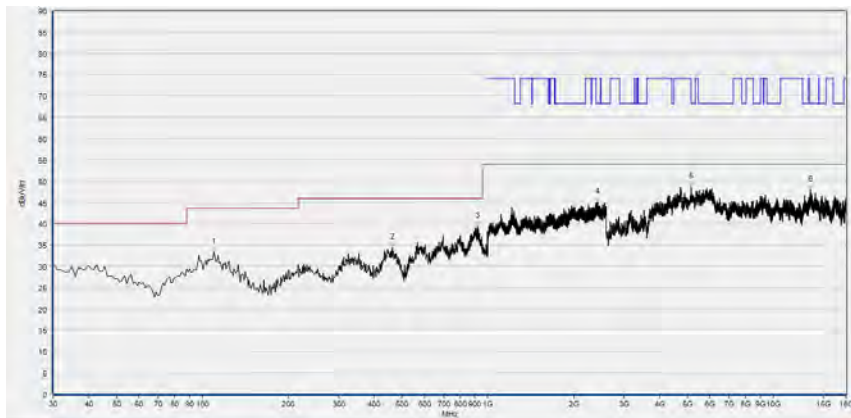
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	33.47	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
351.070	33.36	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.030	39.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2424.533	45.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6021.880	48.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9077.240	47.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

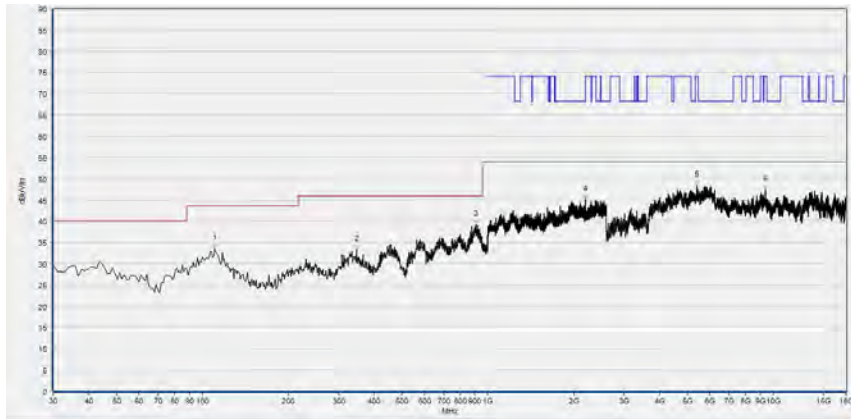
(Antenna Horizontal, 30MHz to 18GHz)



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
109.540	33.39	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
462.620	34.35	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
919.490	39.31	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2417.067	45.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5168.720	48.64	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13484.720	47.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

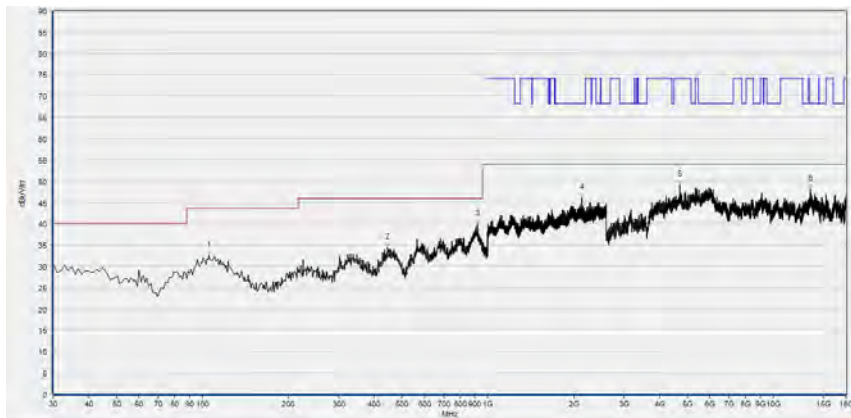
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	33.45	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
347.190	33.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
909.790	39.21	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2193.600	45.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5387.400	48.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9376.000	47.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



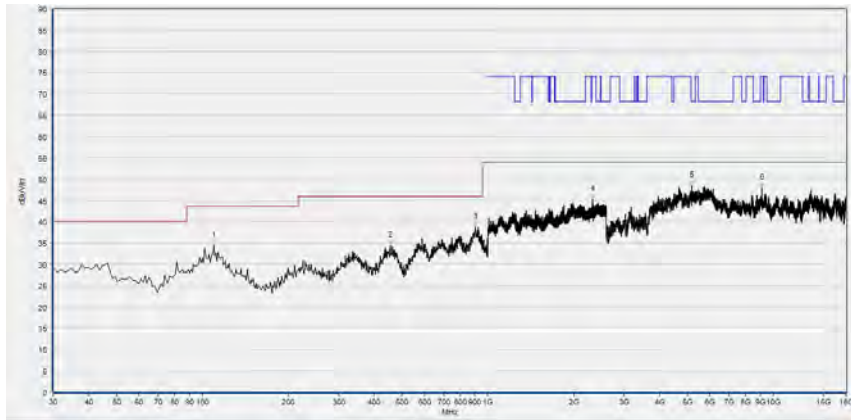
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	32.53	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
446.130	34.32	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
922.400	39.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2135.467	46.01	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4712.880	49.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13521.680	48.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



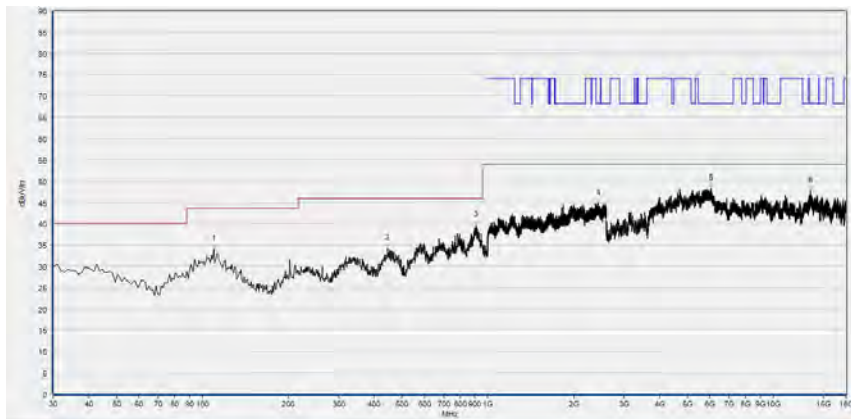
802.11ac (VHT80) Mode

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	34.28	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
455.830	34.36	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
904.940	38.74	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2328.000	45.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5177.960	48.41	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9095.720	47.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

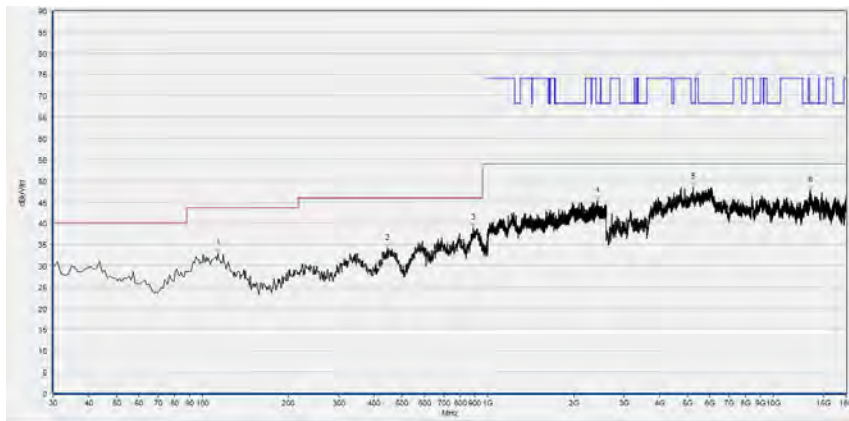
(Antenna Horizontal, 30MHz to 18GHz)



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	34.00	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
446.130	34.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
909.790	39.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2441.067	44.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6049.600	48.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13490.880	47.78	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

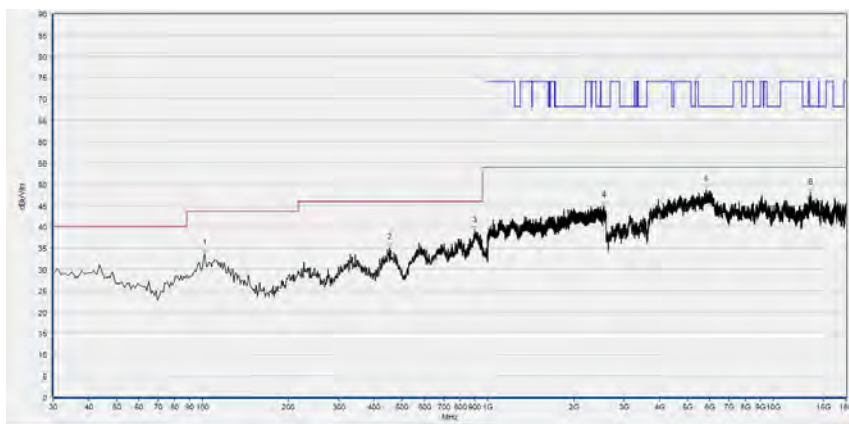
(Antenna Vertical, 30MHz to 18GHz)

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
113.420	32.87	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
445.160	34.04	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
888.450	38.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2423.467	45.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5230.320	48.41	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13475.480	47.74	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

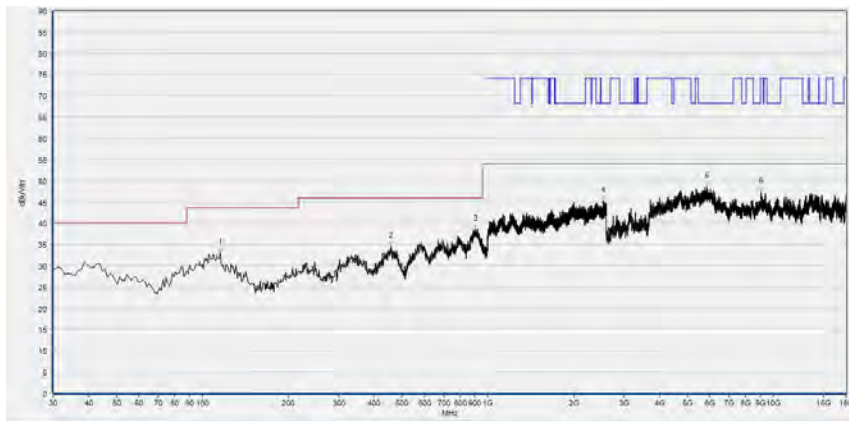
(Antenna Horizontal, 30MHz to 18GHz)



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
101.780	33.62	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
452.920	34.98	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.120	39.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2550.400	44.97	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5834.000	48.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13503.200	47.90	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

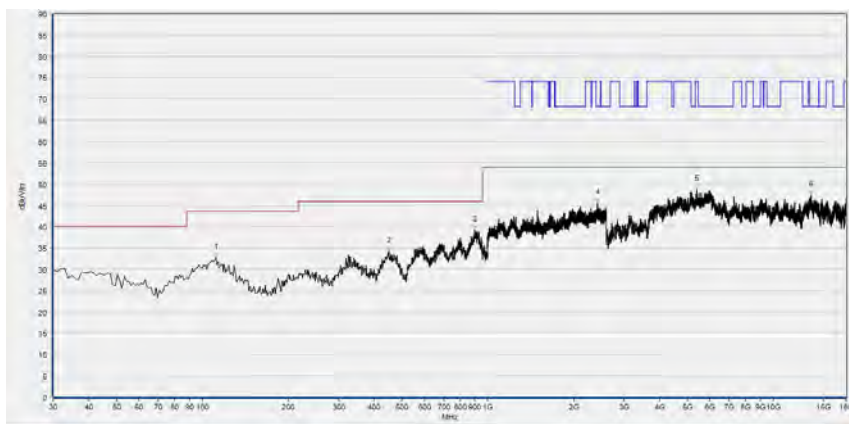
(Antenna Vertical, 30MHz to 18GHz)

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
115.360	33.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
458.740	34.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.030	38.59	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2536.533	45.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5846.320	48.63	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9080.320	47.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

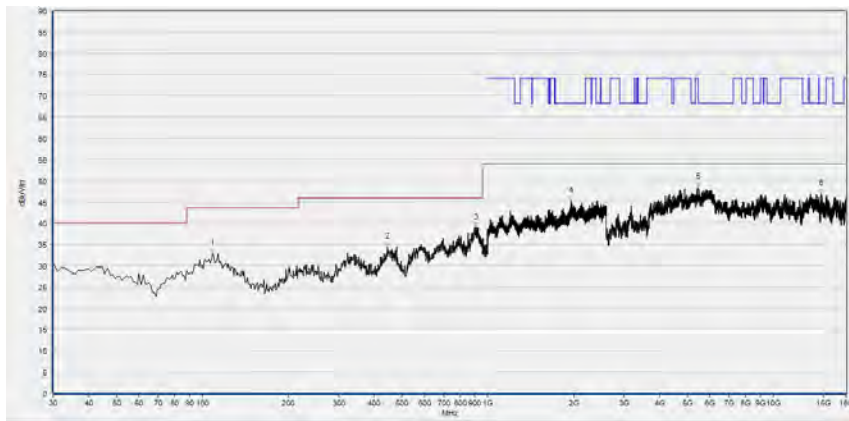
(Antenna Horizontal, 30MHz to 18GHz)



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
111.480	32.62	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
449.040	34.18	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
900.090	39.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2426.667	45.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5402.800	48.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13601.760	47.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

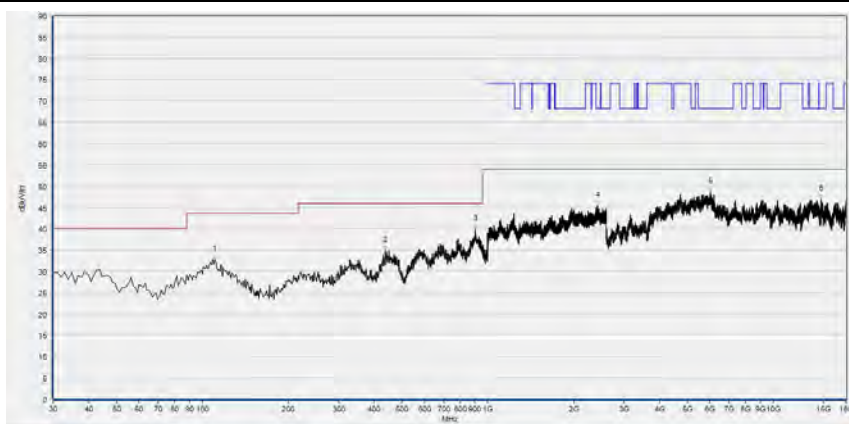
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	32.87	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
445.160	34.41	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
910.760	39.06	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1952.533	45.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5473.640	48.43	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14753.680	47.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

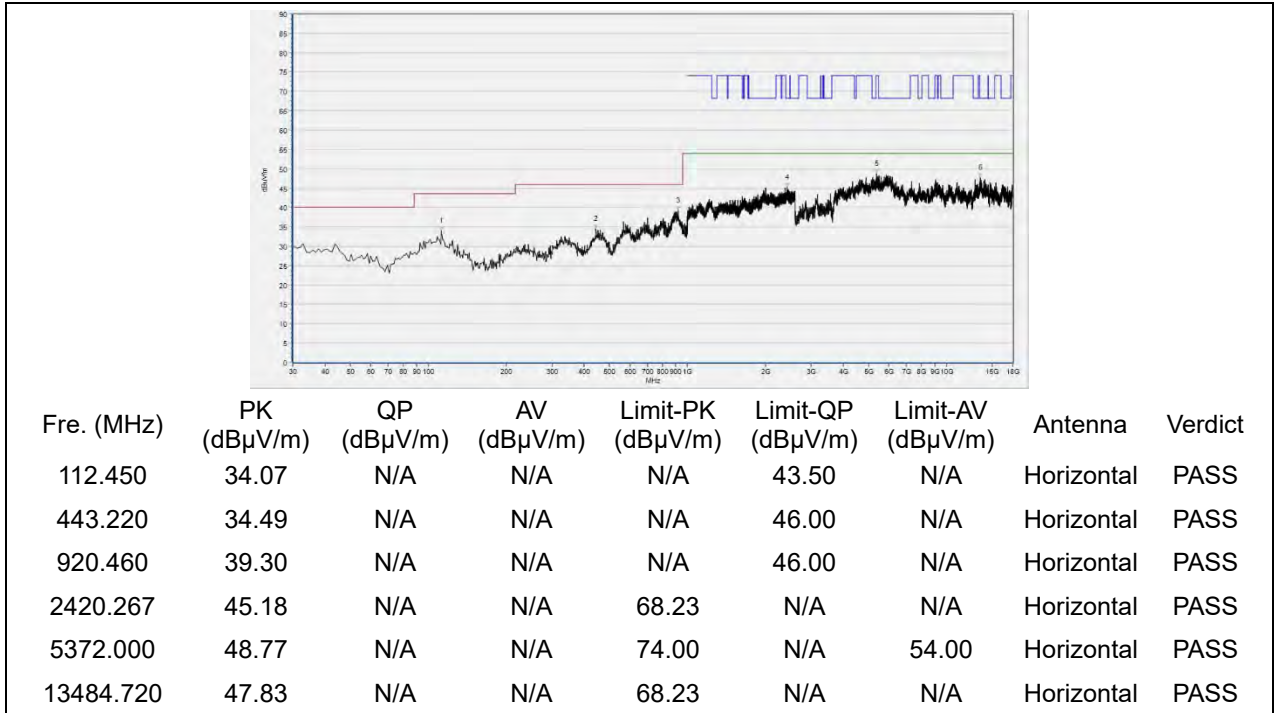
(Antenna Horizontal, 30MHz to 18GHz)



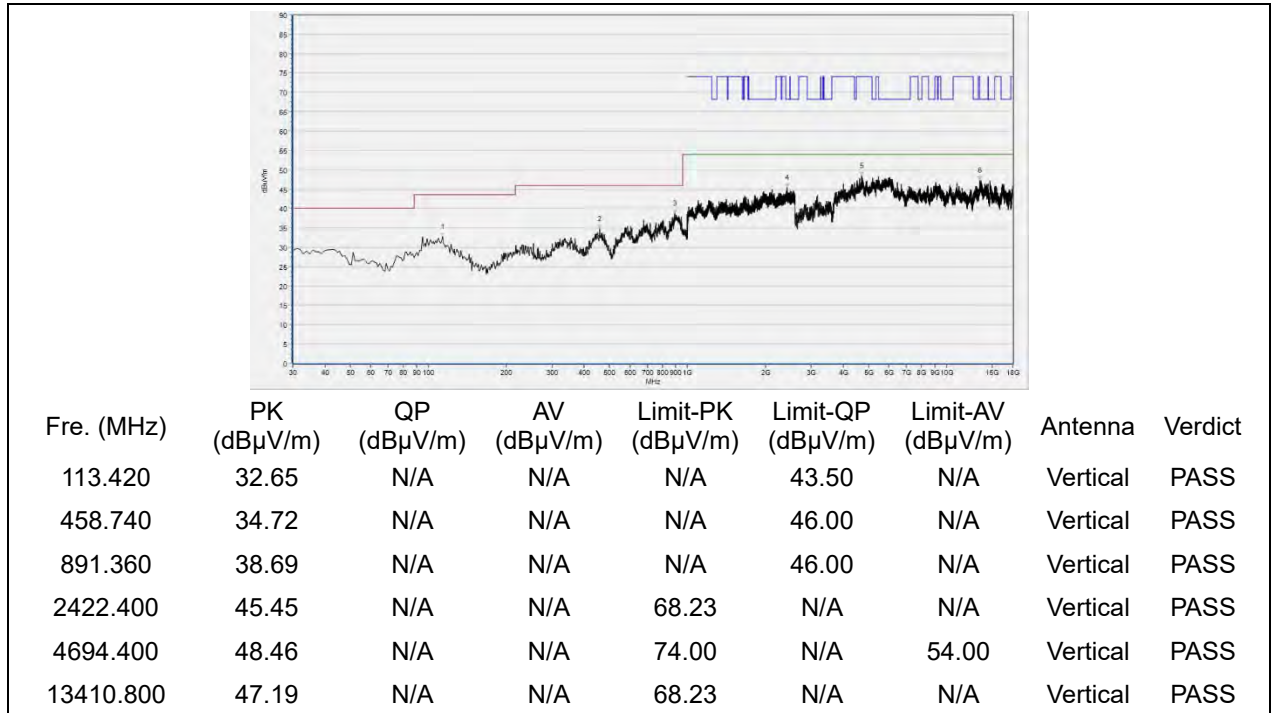
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	32.74	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
436.430	34.81	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
902.030	39.92	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2424.533	45.38	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6018.800	48.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14744.440	46.92	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 155



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

— END OF REPORT —