



PSD NVNT n20 5300MHz Ant1



PSD NVNT n20 5320MHz Ant1

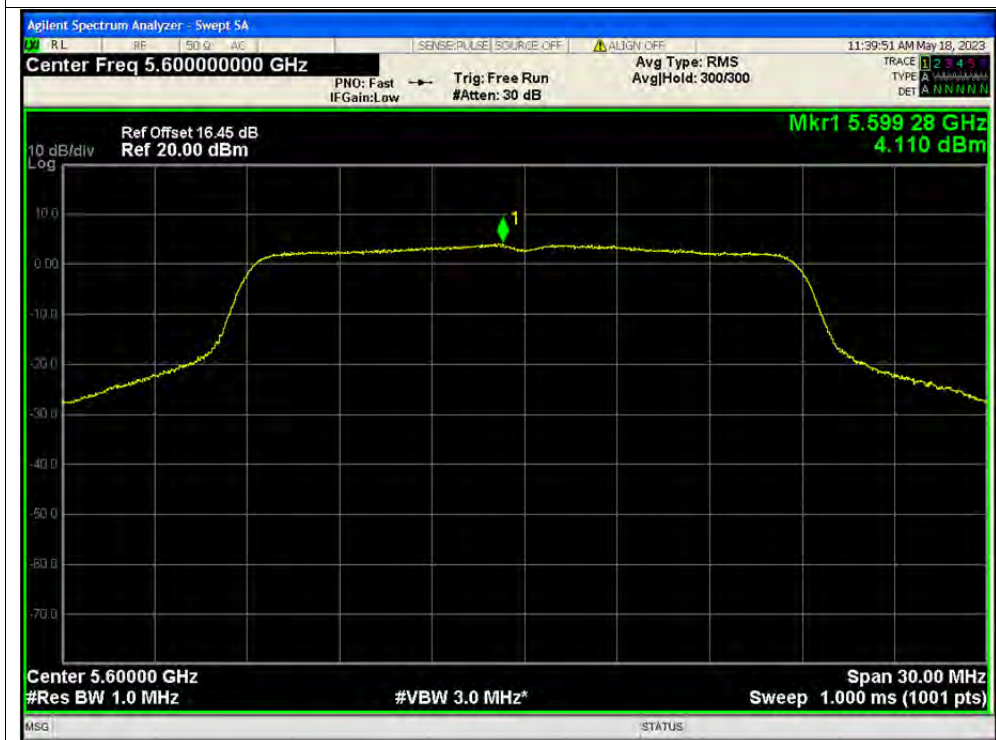




PSD NVNT n20 5500MHz Ant1



PSD NVNT n20 5600MHz Ant1



PSD NVNT n20 5720MHz Ant1

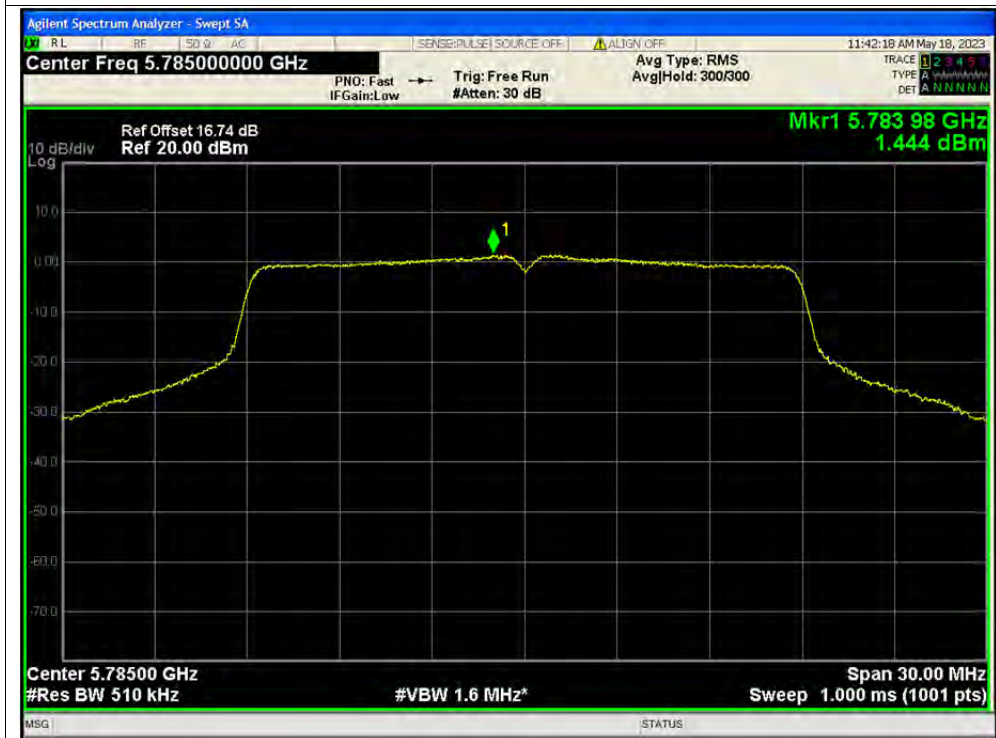


PSD NVNT n20 5745MHz Ant1





PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1



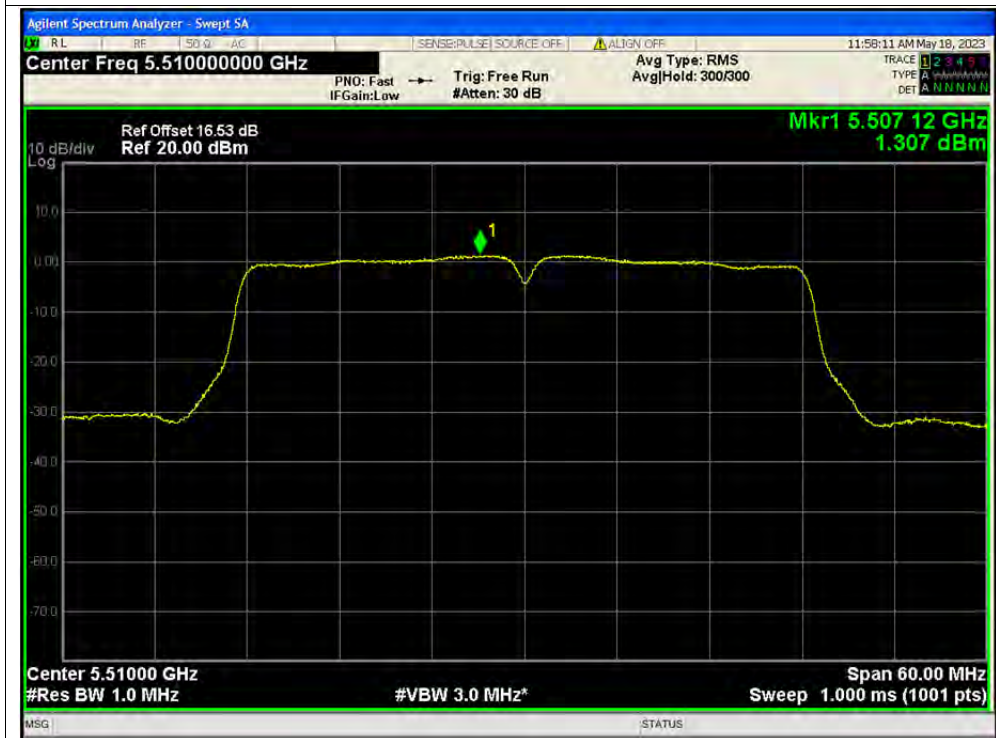
PSD NVNT n40 5270MHz Ant1



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

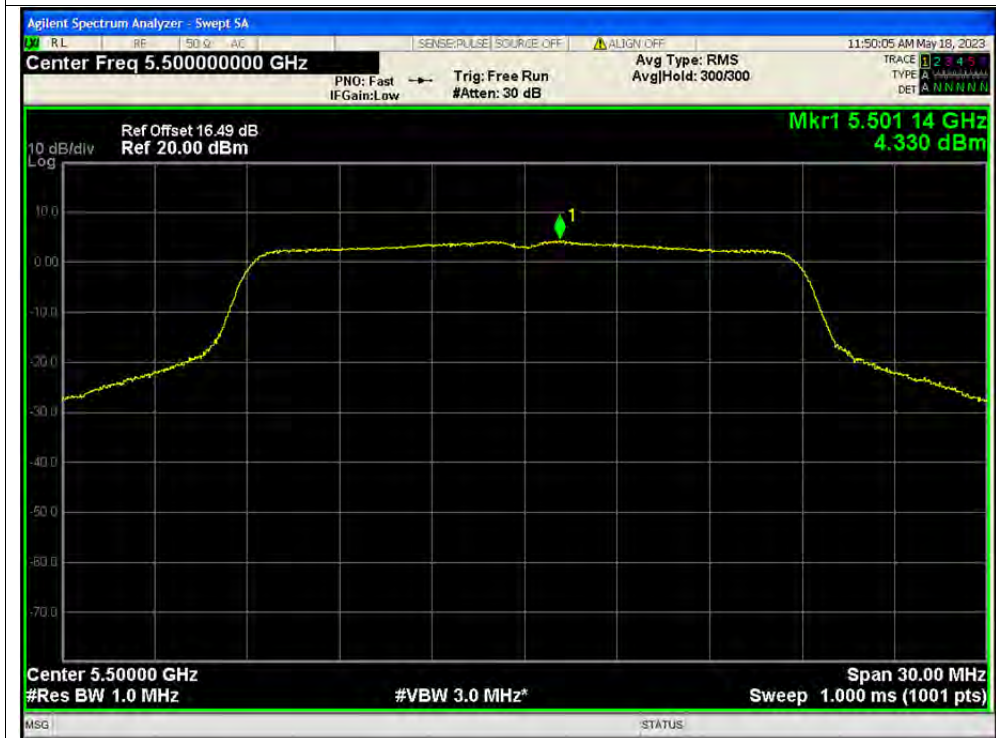




PSD NVNT ac20 5320MHz Ant1

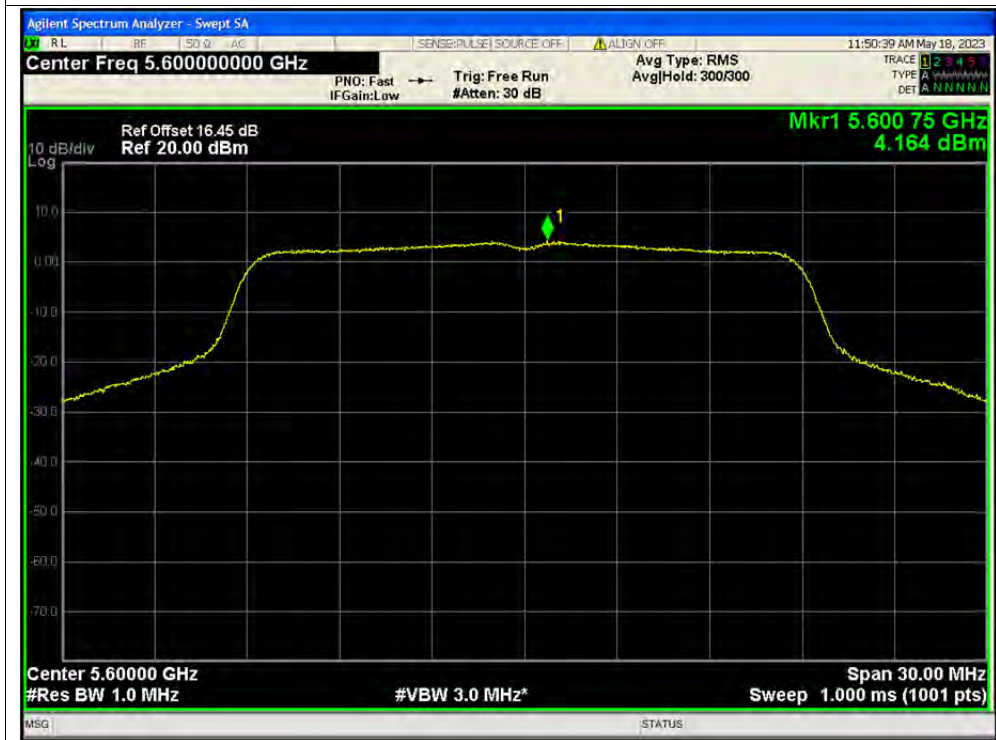


PSD NVNT ac20 5500MHz Ant1





PSD NVNT ac20 5600MHz Ant1

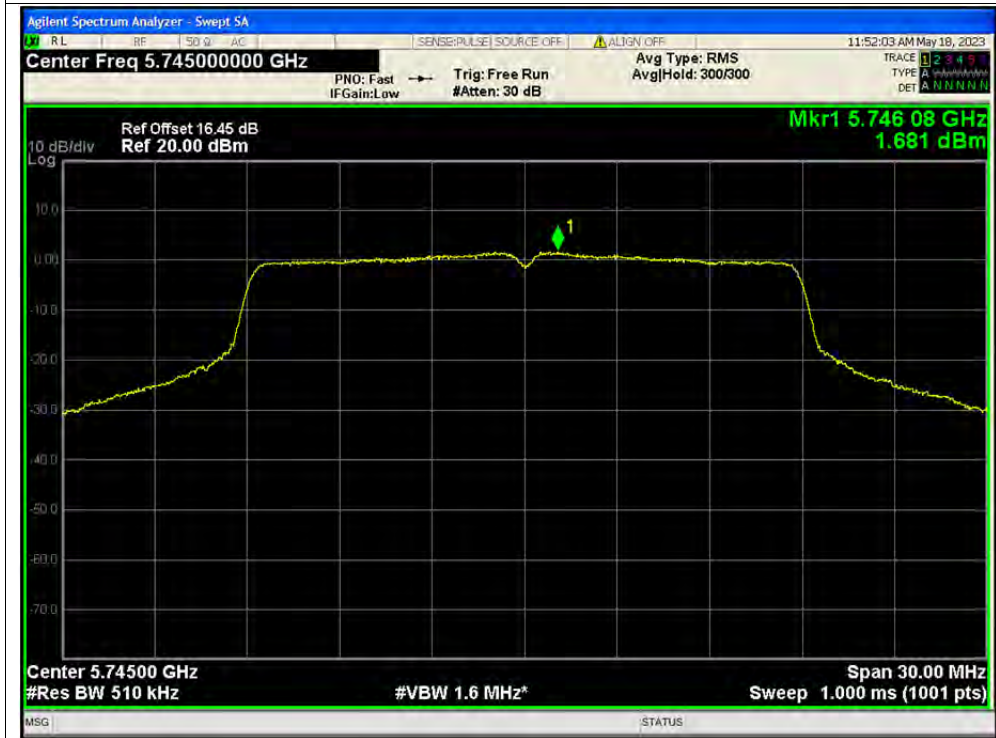


PSD NVNT ac20 5720MHz Ant1





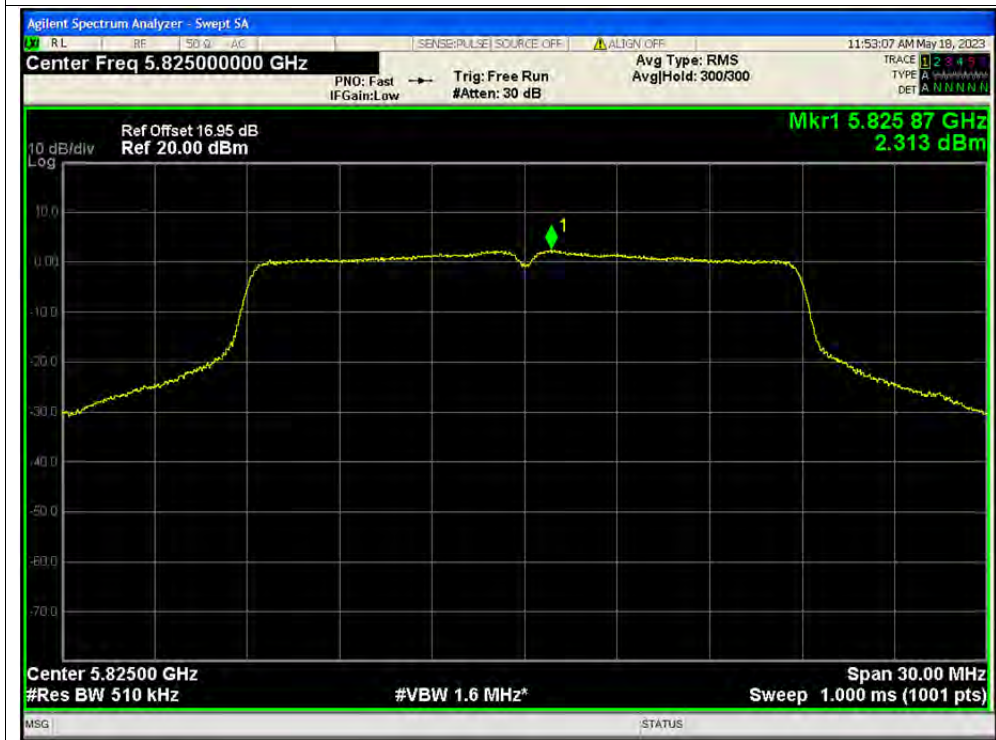
PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1



PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5190MHz Ant1





PSD NVNT ac40 5230MHz Ant1



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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 5690MHz 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 3.6V	Carrier	5180	Ant1	5179.993	-7000	-1.35	25	Pass
20C 4.4V	Carrier	5180	Ant1	5179.993	-7000	-1.35	25	Pass
-10C 3.85V	Carrier	5180	Ant1	5179.992	-8000	-1.54	25	Pass
0C 3.85V	Carrier	5180	Ant1	5179.992	-8000	-1.54	25	Pass
10C 3.85V	Carrier	5180	Ant1	5179.992	-8000	-1.54	25	Pass
20C 3.85V	Carrier	5180	Ant1	5179.992	-8000	-1.54	25	Pass
30C 3.85V	Carrier	5180	Ant1	5179.992	-8000	-1.54	25	Pass
40C 3.85V	Carrier	5180	Ant1	5179.992	-8000	-1.54	25	Pass
45C 3.85V	Carrier	5180	Ant1	5179.992	-8000	-1.54	25	Pass
20C 3.6V	Carrier	5260	Ant1	5259.992	-8000	-1.52	25	Pass
20C 4.4V	Carrier	5260	Ant1	5259.992	-8000	-1.52	25	Pass
-10C 3.85V	Carrier	5260	Ant1	5259.991	-9000	-1.71	25	Pass
0C 3.85V	Carrier	5260	Ant1	5259.991	-9000	-1.71	25	Pass
10C 3.85V	Carrier	5260	Ant1	5259.991	-9000	-1.71	25	Pass
20C 3.85V	Carrier	5260	Ant1	5259.991	-9000	-1.71	25	Pass
30C 3.85V	Carrier	5260	Ant1	5259.991	-9000	-1.71	25	Pass
40C 3.85V	Carrier	5260	Ant1	5259.991	-9000	-1.71	25	Pass
45C 3.85V	Carrier	5260	Ant1	5259.991	-9000	-1.71	25	Pass
20C 3.6V	Carrier	5500	Ant1	5499.99	-10000	-1.82	25	Pass
20C 4.4V	Carrier	5500	Ant1	5499.989	-11000	-2	25	Pass
-10C 3.85V	Carrier	5500	Ant1	5499.989	-11000	-2	25	Pass
0C 3.85V	Carrier	5500	Ant1	5499.989	-11000	-2	25	Pass
10C 3.85V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
20C 3.85V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
30C 3.85V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
40C 3.85V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
45C 3.85V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
20C 3.6V	Carrier	5745	Ant1	5744.987	-13000	-2.26	25	Pass
20C 4.4V	Carrier	5745	Ant1	5744.987	-13000	-2.26	25	Pass
-10C 3.85V	Carrier	5745	Ant1	5744.987	-13000	-2.26	25	Pass
0C 3.85V	Carrier	5745	Ant1	5744.987	-13000	-2.26	25	Pass
10C 3.85V	Carrier	5745	Ant1	5744.986	-14000	-2.44	25	Pass
20C 3.85V	Carrier	5745	Ant1	5744.986	-14000	-2.44	25	Pass
30C 3.85V	Carrier	5745	Ant1	5744.986	-14000	-2.44	25	Pass



REPORT No.: SZ23040082W07

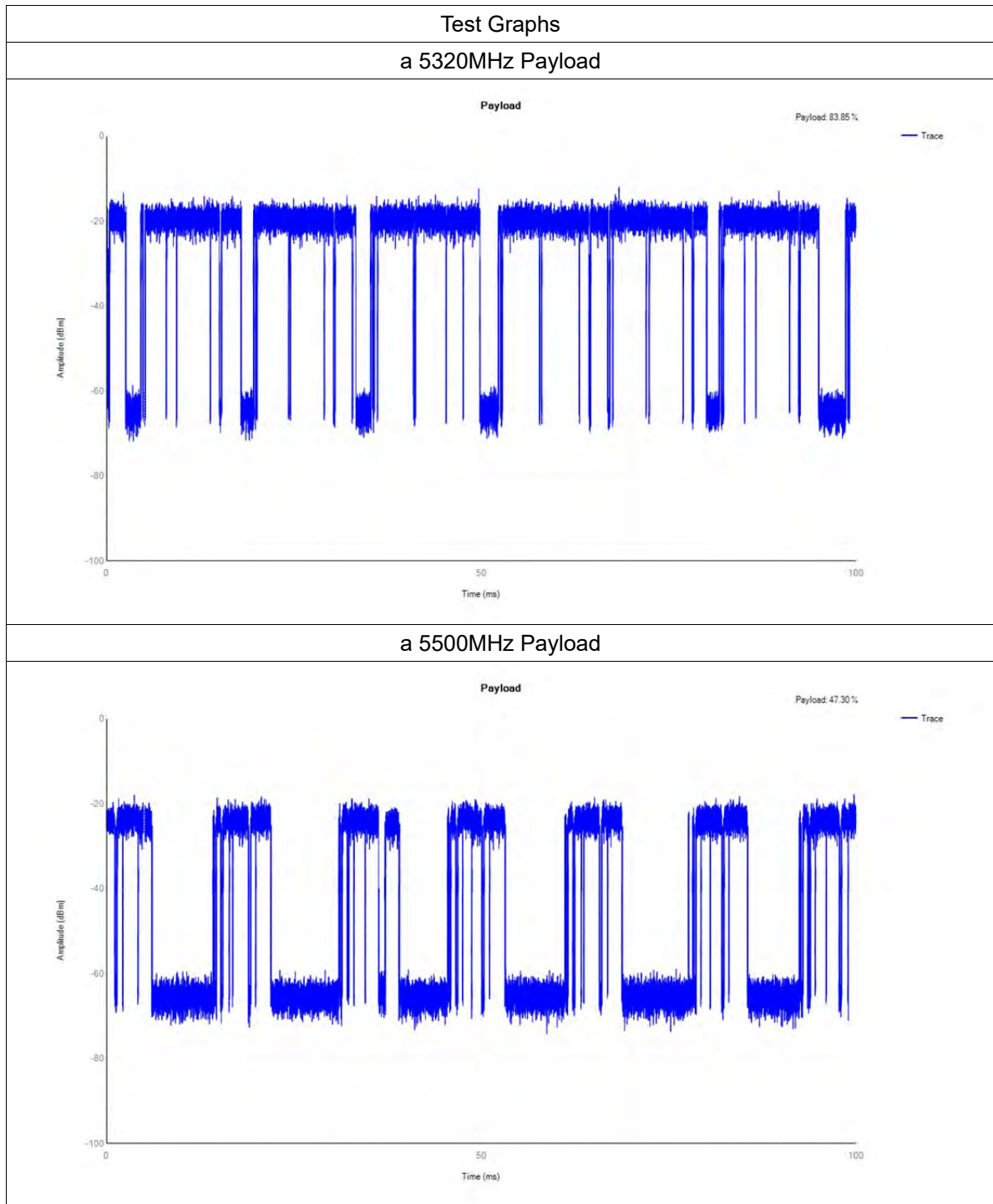
40C 3.85V	Carrier	5745	Ant1	5744.986	-14000	-2.44	25	Pass
45C 3.85V	Carrier	5745	Ant1	5744.986	-14000	-2.44	25	Pass

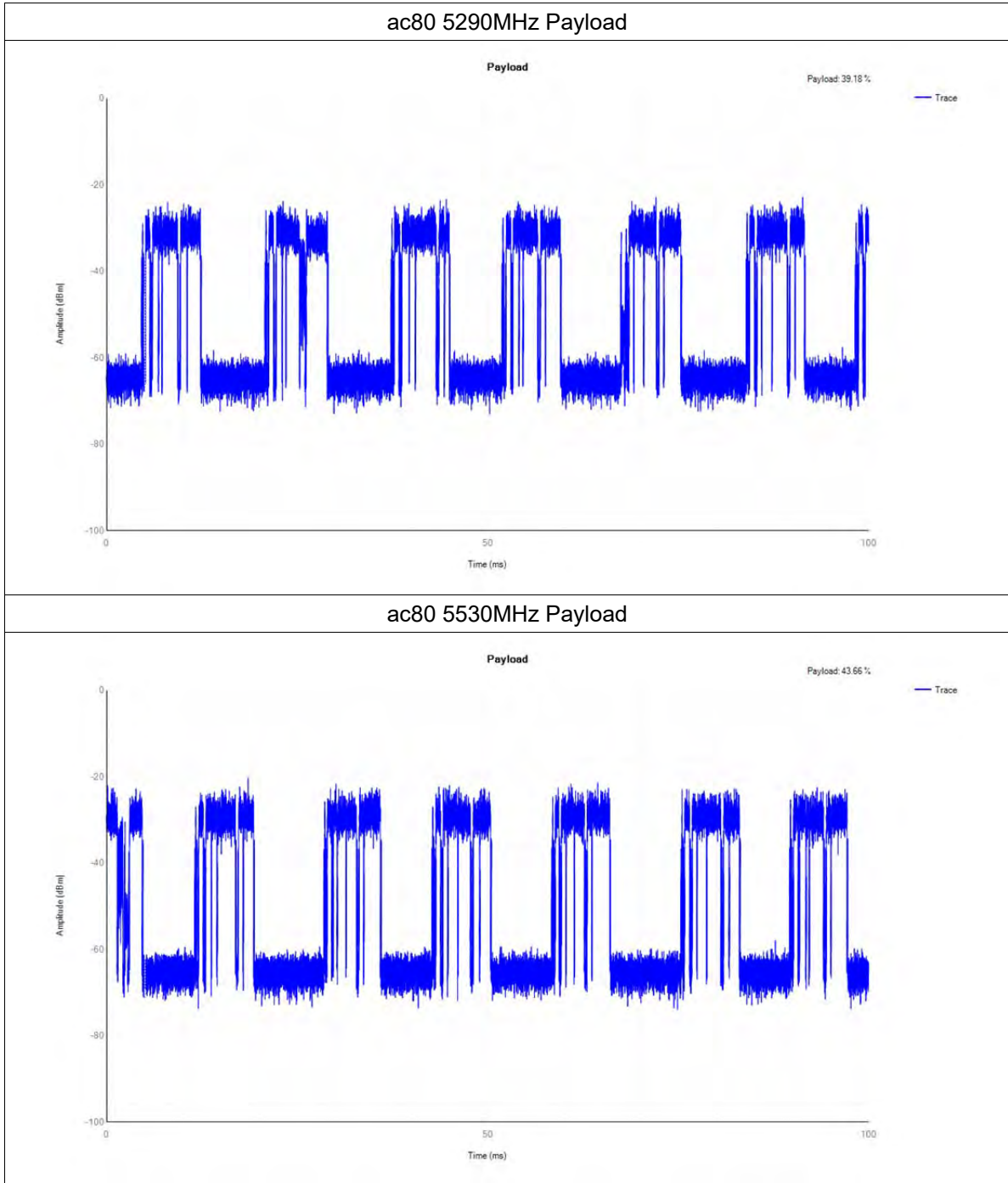


A.6. Dynamic Frequency Selection

Payload

Mode	Frequency (MHz)	Result	Verdict
a	5320	83.86	Pass
a	5500	47.33	Pass
ac80	5290	39.15	Pass
ac80	5530	43.56	Pass

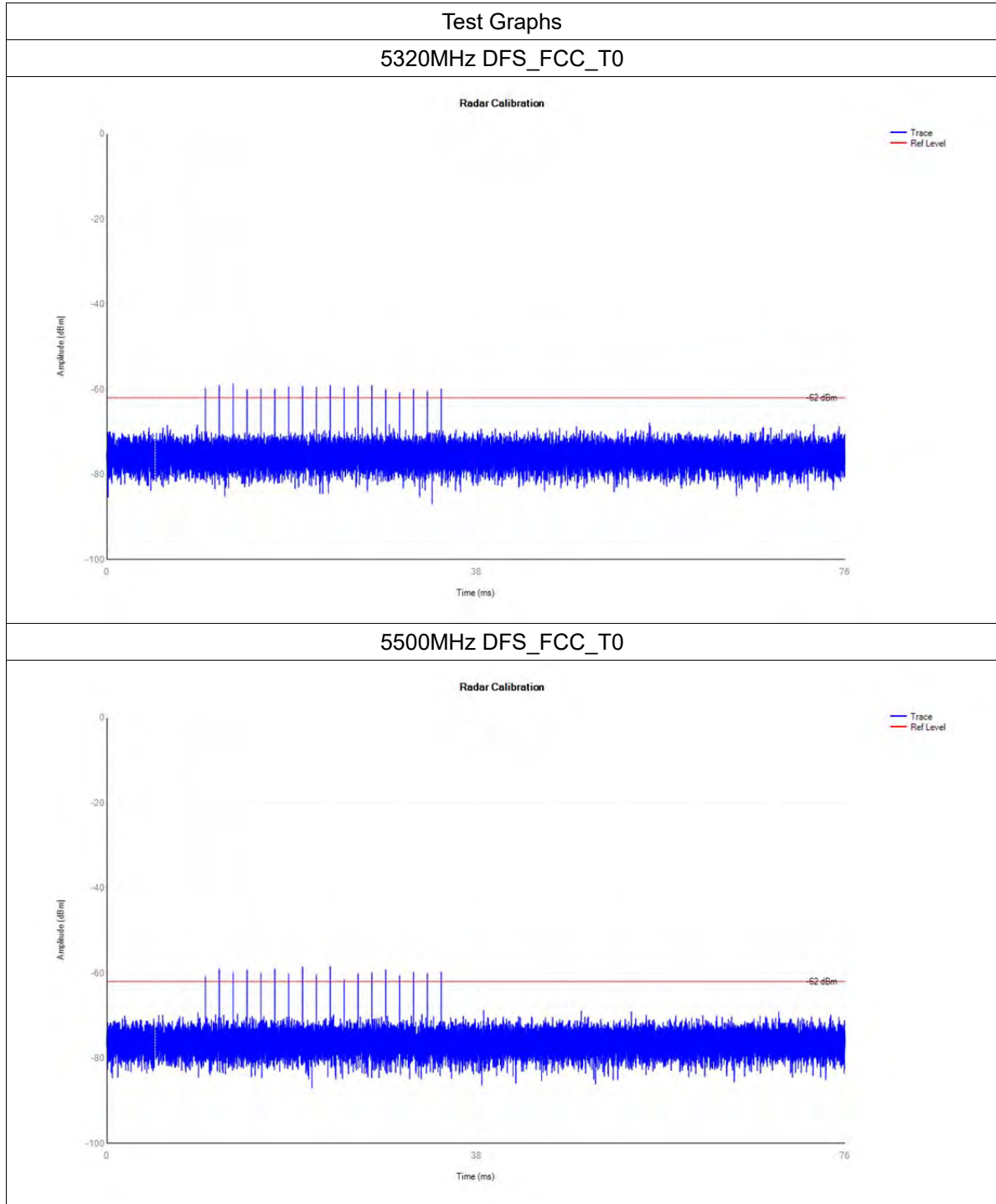


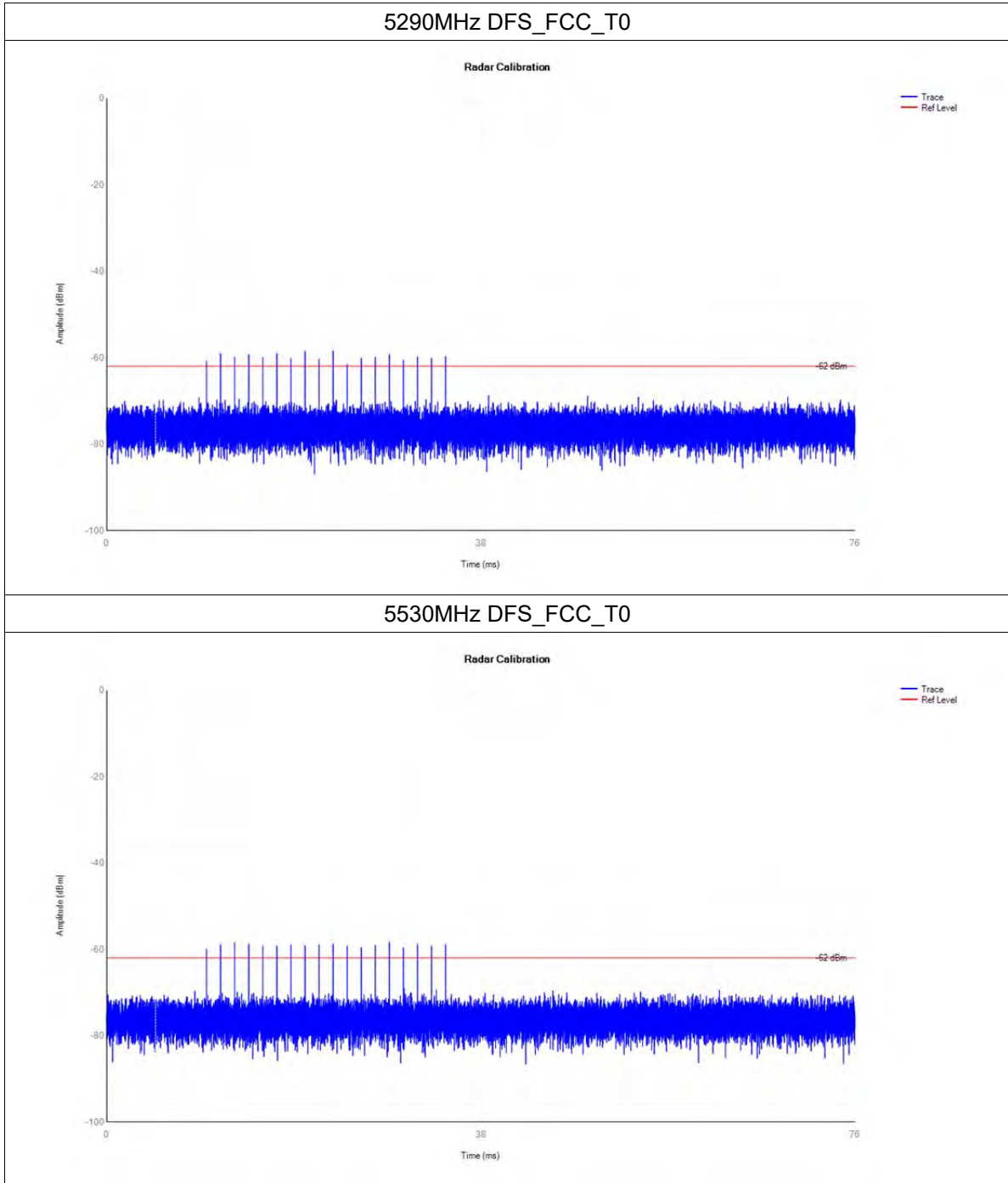




Calibration

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





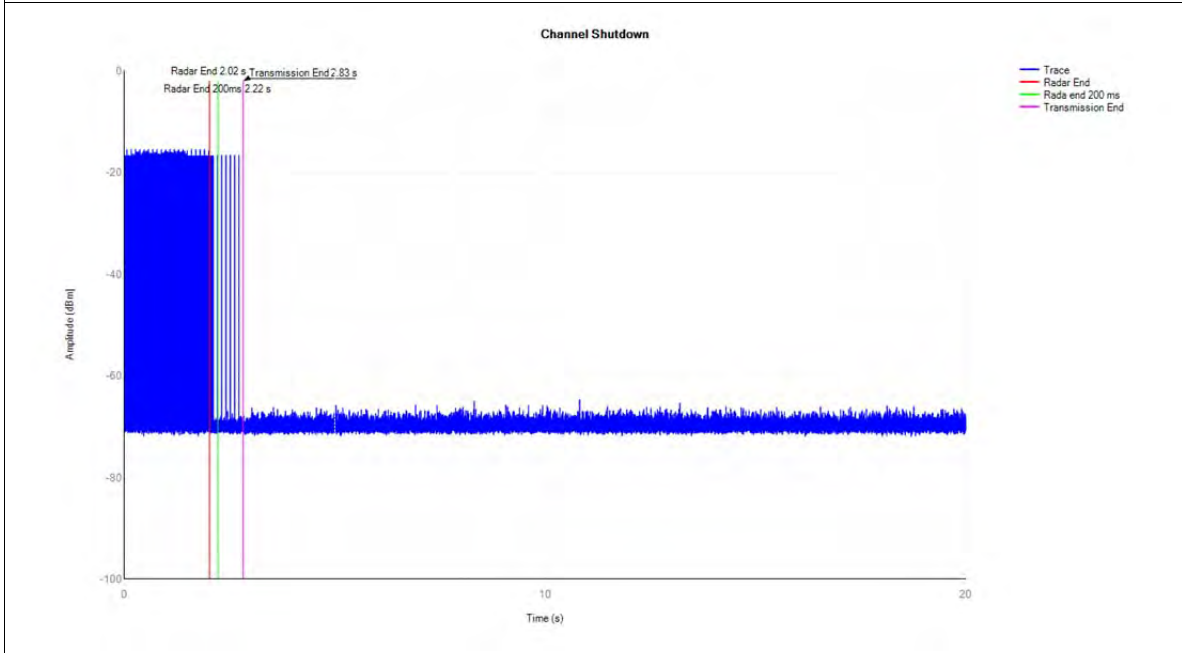


Channel Move Time and Channel Closing Transmission Time

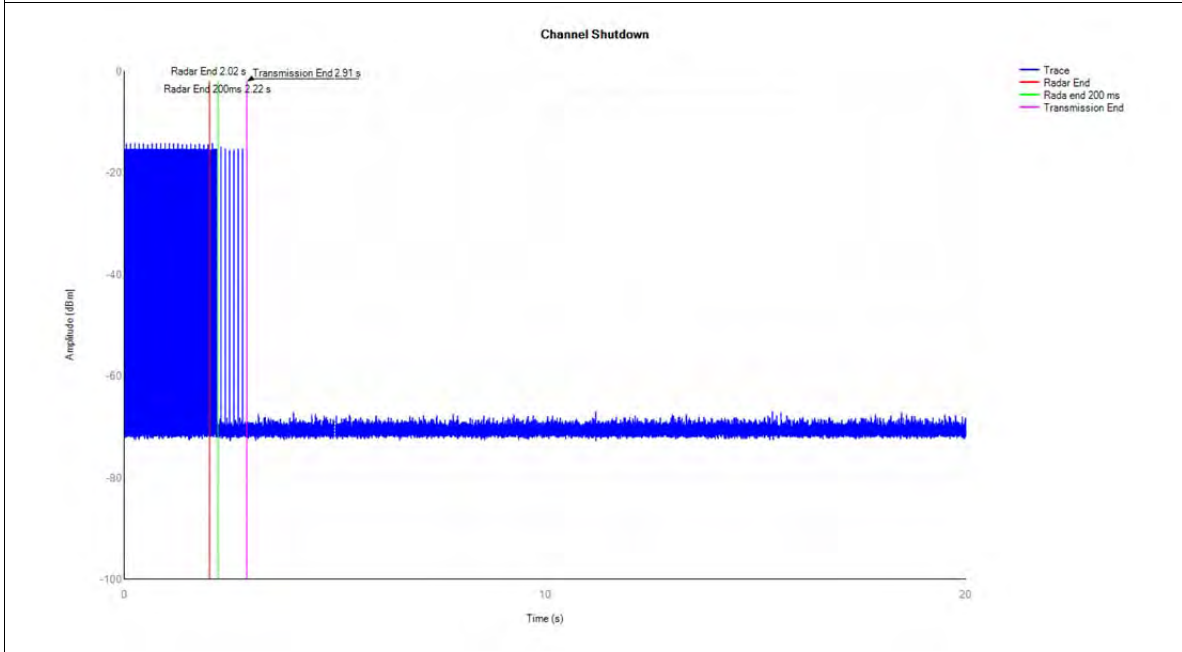
Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
a	5320	0.803	10	0.042	0.26	0.007	0.06	Pass
a	5500	0.889	10	0.049	0.26	0.009	0.06	Pass
ac80	5290	0.849	10	0.055	0.26	0.009	0.06	Pass
ac80	5530	0.757	10	0.023	0.26	0.007	0.06	Pass

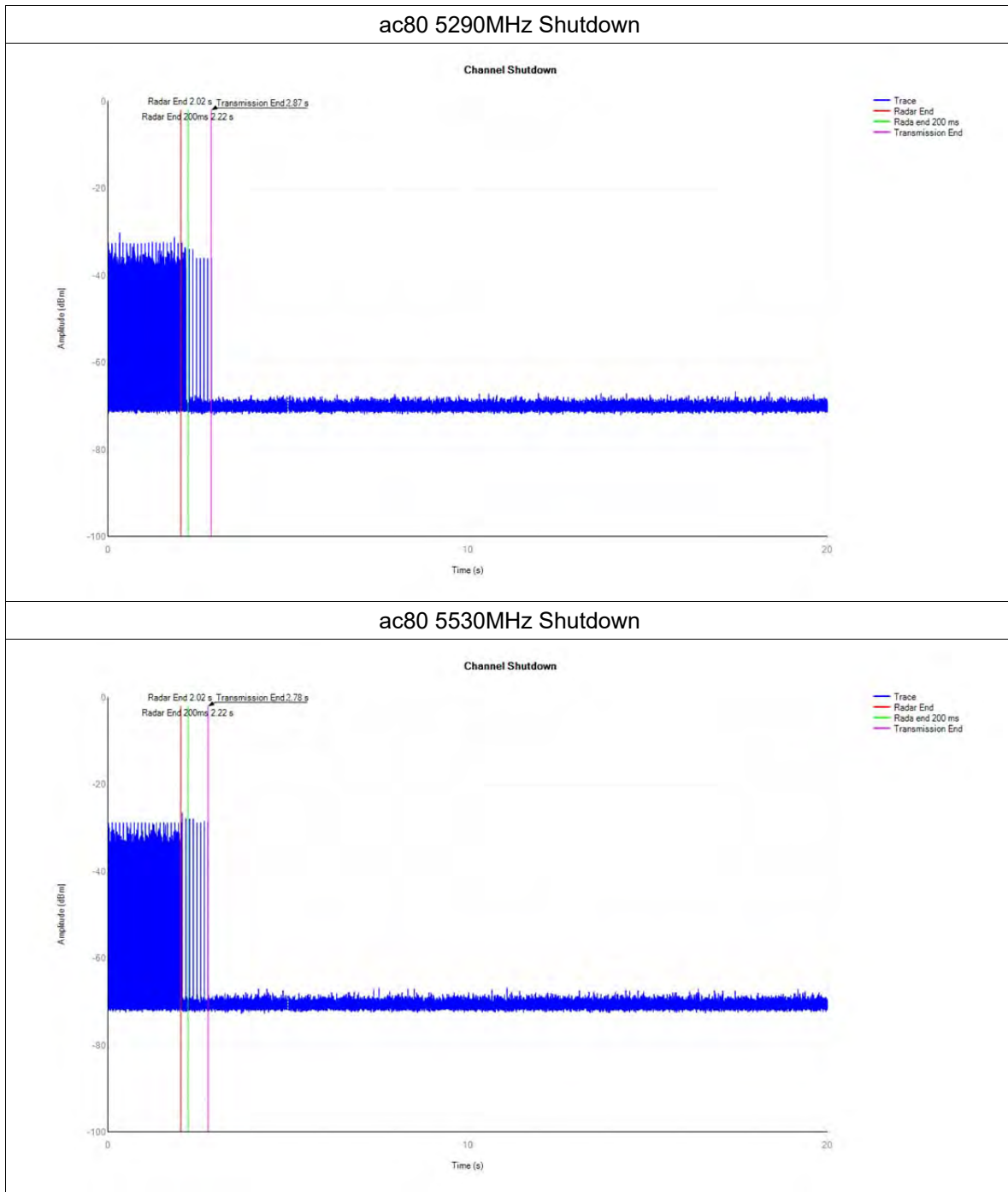
Test Graphs

a 5320MHz Shutdown



a 5500MHz Shutdown



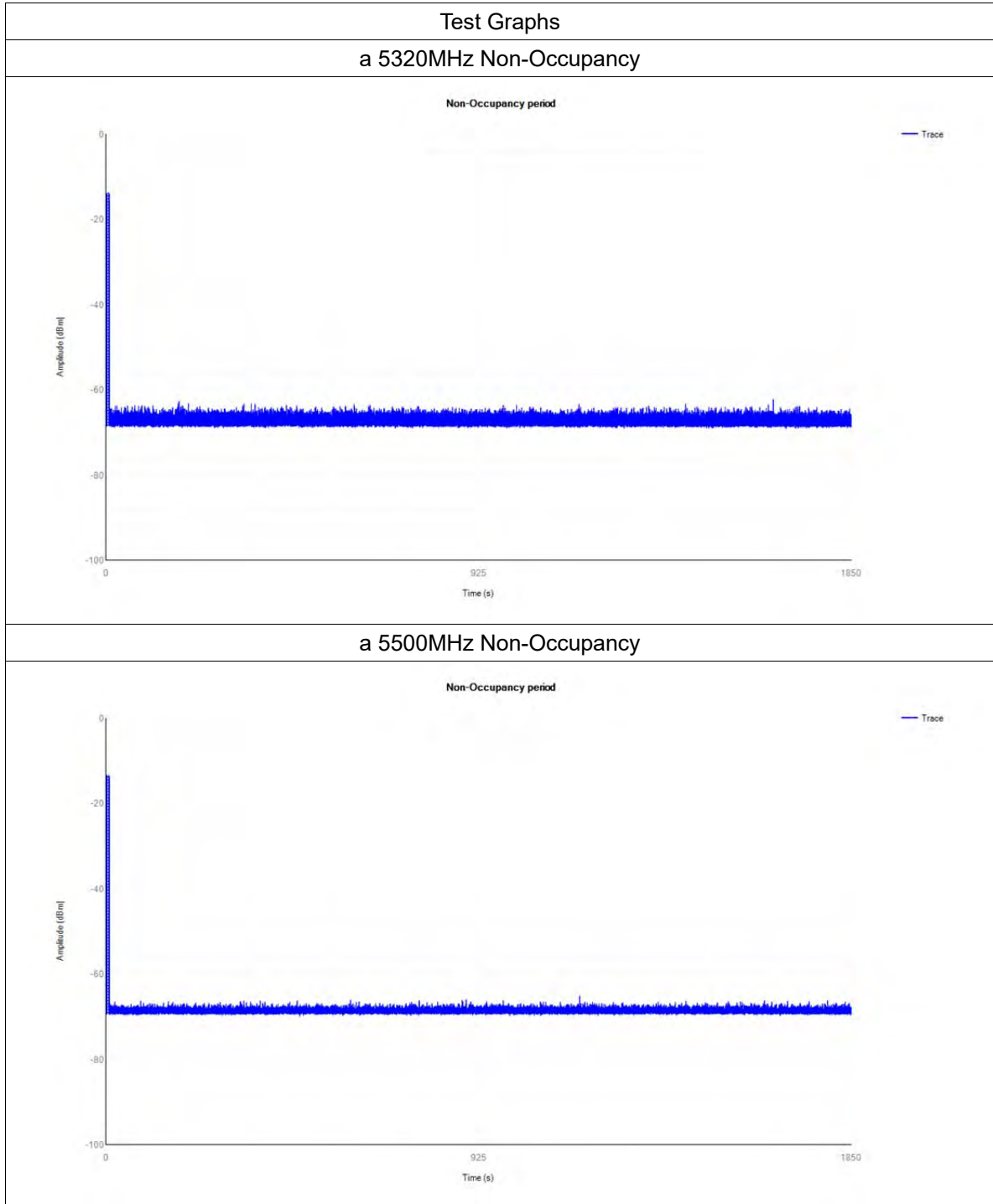


Note: The signal above the noise floor after the radar signal ends is the signal which leaked from other channels that have been moved following the Master device.



Non-Occupancy Period

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





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 + Earphone + WiFi TX

Test voltage: AC 120V/60Hz

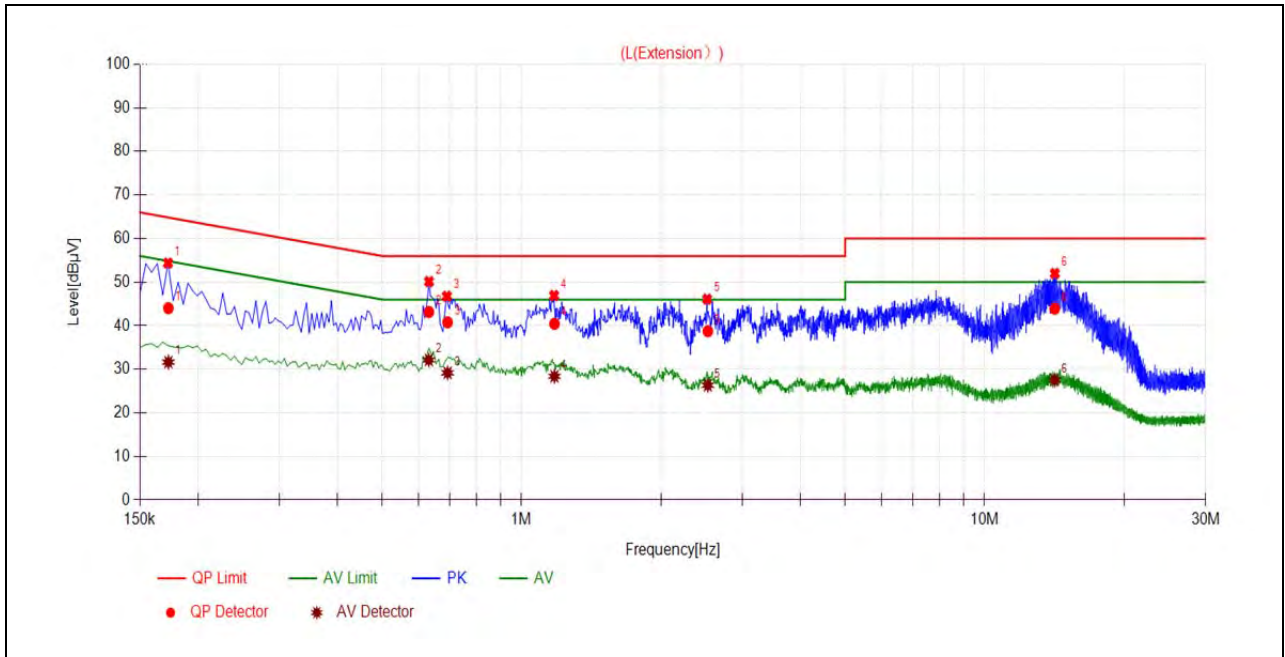
The measurement results are obtained as below:

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

U_R : Receiver Reading

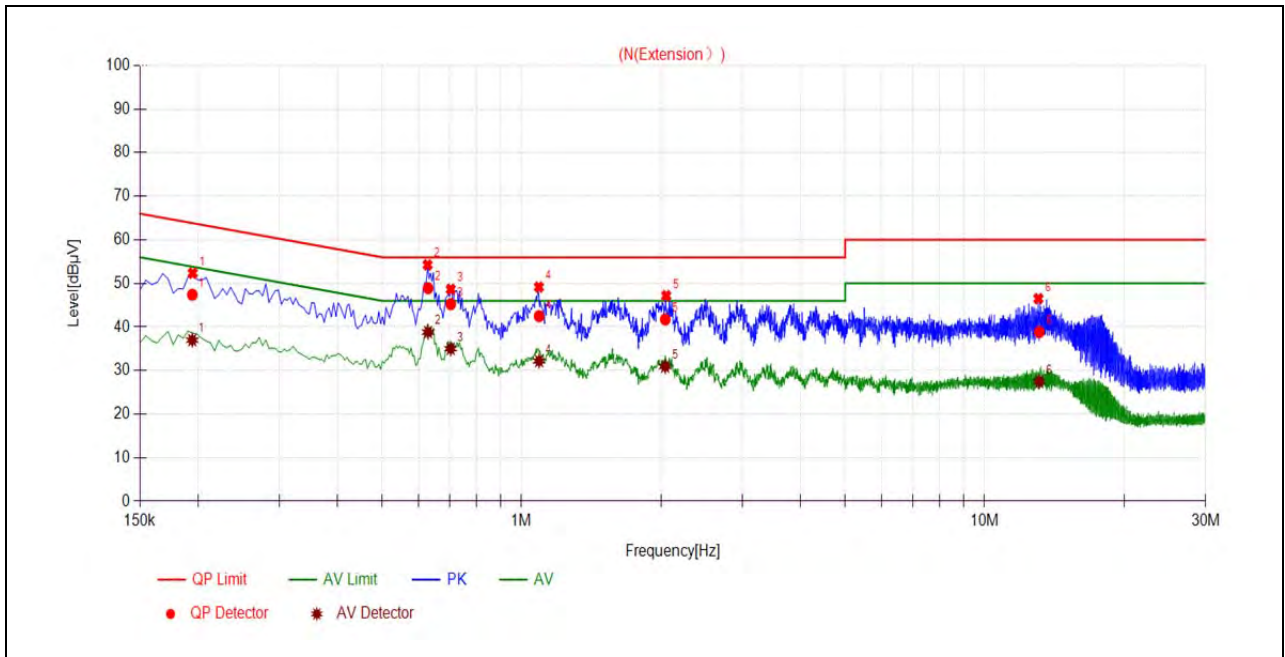
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1728	44.02	31.63	64.82	54.82	Line	PASS
2	0.6309	43.15	32.13	56.00	46.00		PASS
3	0.6925	40.78	29.18	56.00	46.00		PASS
4	1.1780	40.44	28.38	56.00	46.00		PASS
5	2.5254	38.74	26.32	56.00	46.00		PASS
6	14.1635	43.90	27.54	60.00	50.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1946	47.40	36.98	63.84	53.84	Neutral	PASS
2	0.6284	48.90	38.81	56.00	46.00		PASS
3	0.7033	45.23	35.00	56.00	46.00		PASS
4	1.0913	42.48	32.18	56.00	46.00		PASS
5	2.0432	41.72	30.92	56.00	46.00		PASS
6	13.1183	38.83	27.46	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

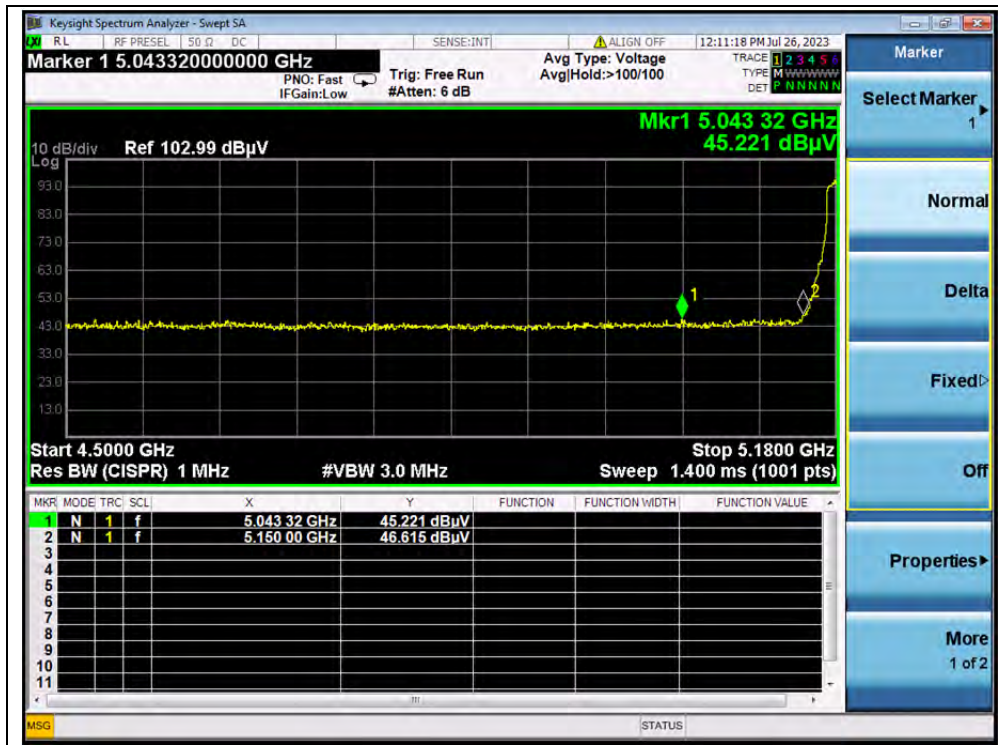
A_{Factor} : Antenna Factor at 3m

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.

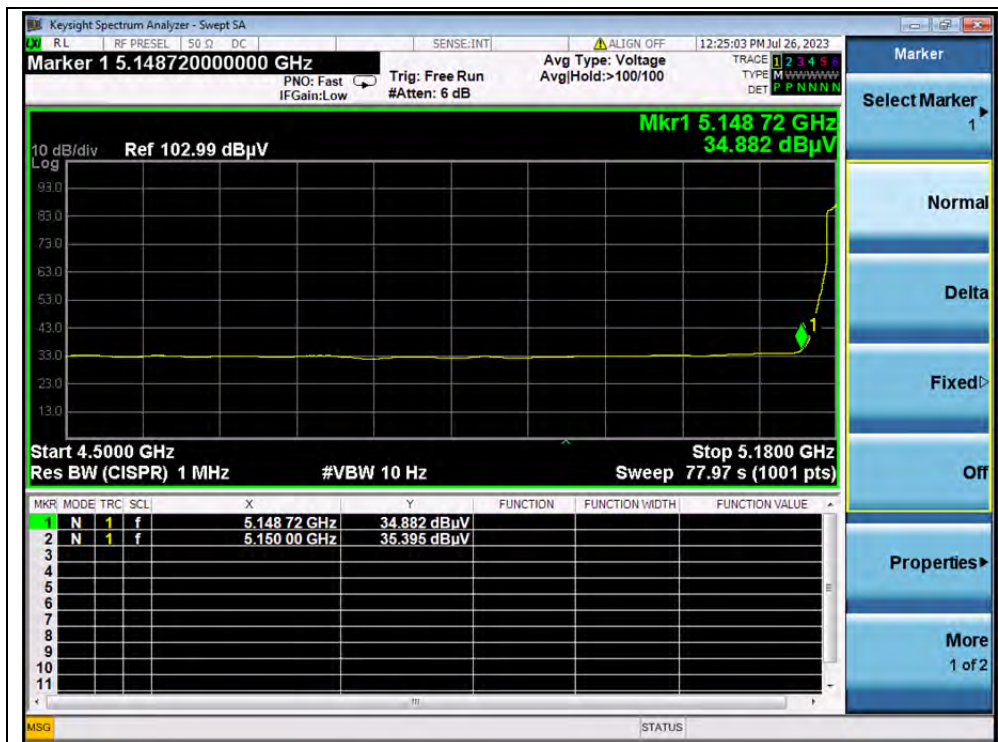
Note 2: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

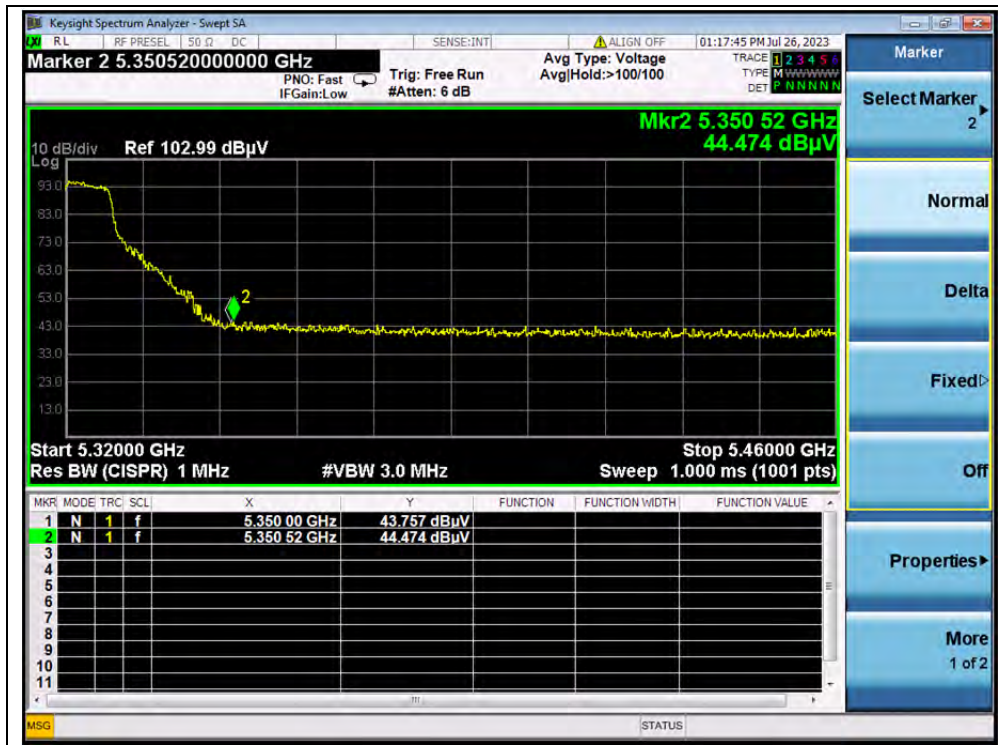
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)					
36	5150.00	PK	46.62	-19.54	32.20	59.28	74	PASS
36	5150.00	AV	35.40	-19.54	32.20	48.06	54	PASS
64	5350.52	PK	44.47	-18.80	32.20	57.87	74	PASS
64	5350.38	AV	34.35	-18.80	32.20	47.75	54	PASS
100	5470.00	PK	48.92	-19.20	32.20	61.92	68.23	PASS
100	5460.00	AV	33.56	-19.20	32.20	46.56	54	PASS
144	5785.10	PK	43.94	-19.20	32.20	56.94	68.23	PASS
149	5725.00	PK	50.64	-19.01	32.20	63.83	122.23	PASS
165	5850.00	PK	42.47	-19.01	32.20	55.66	122.23	PASS



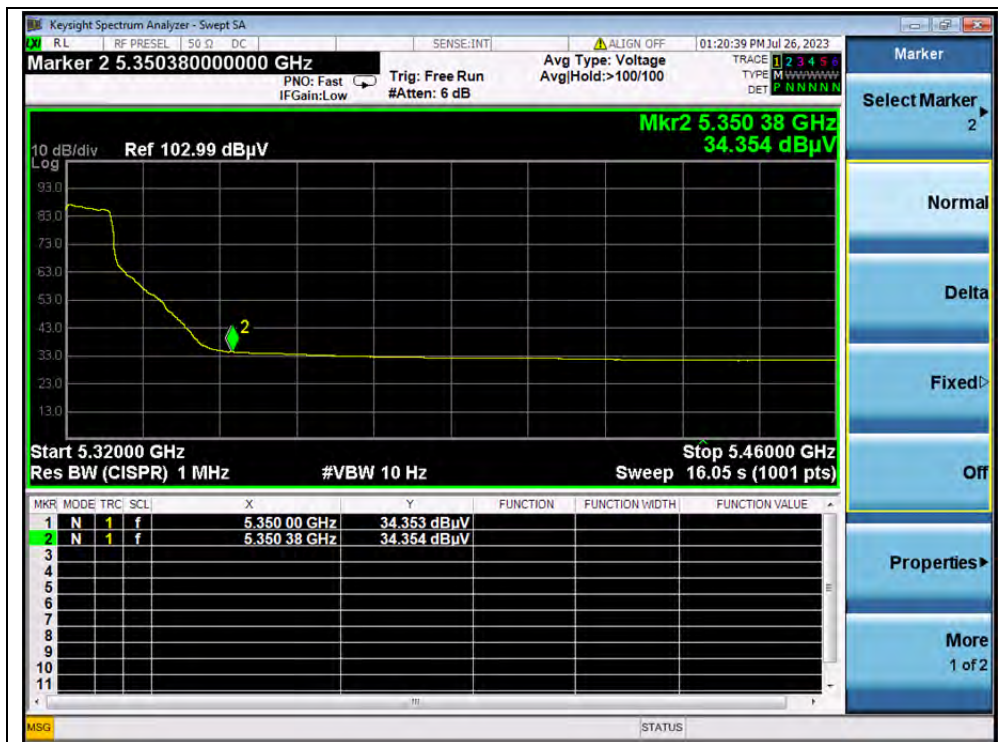
(PEAK, Channel 36, 802.11a)



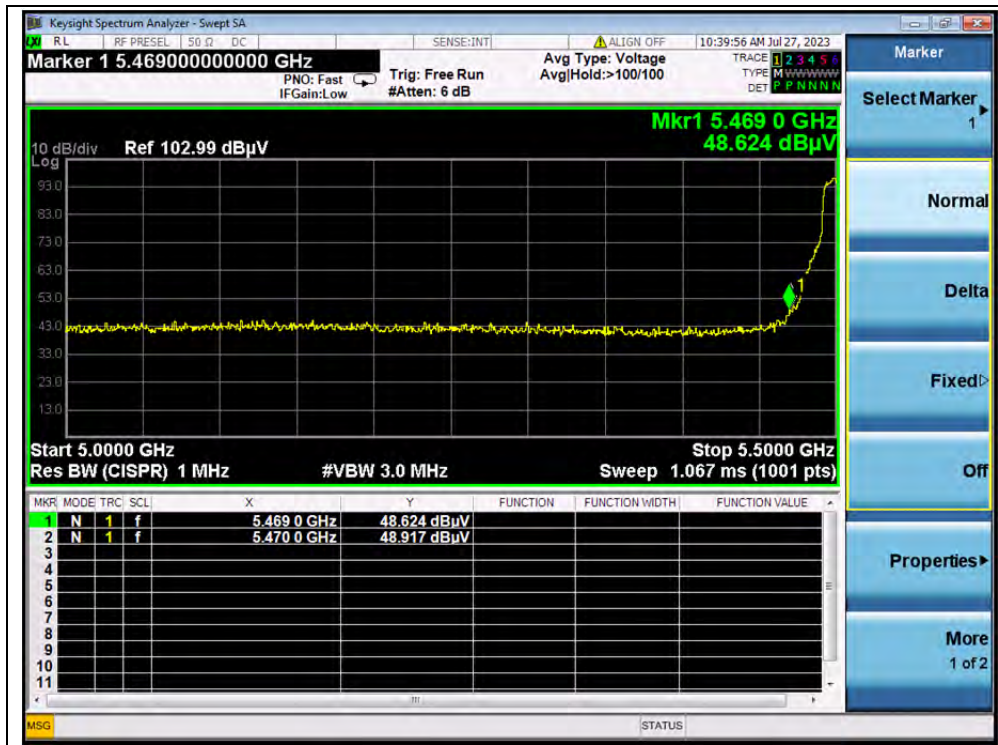
(AVERAGE, Channel 36, 802.11a)



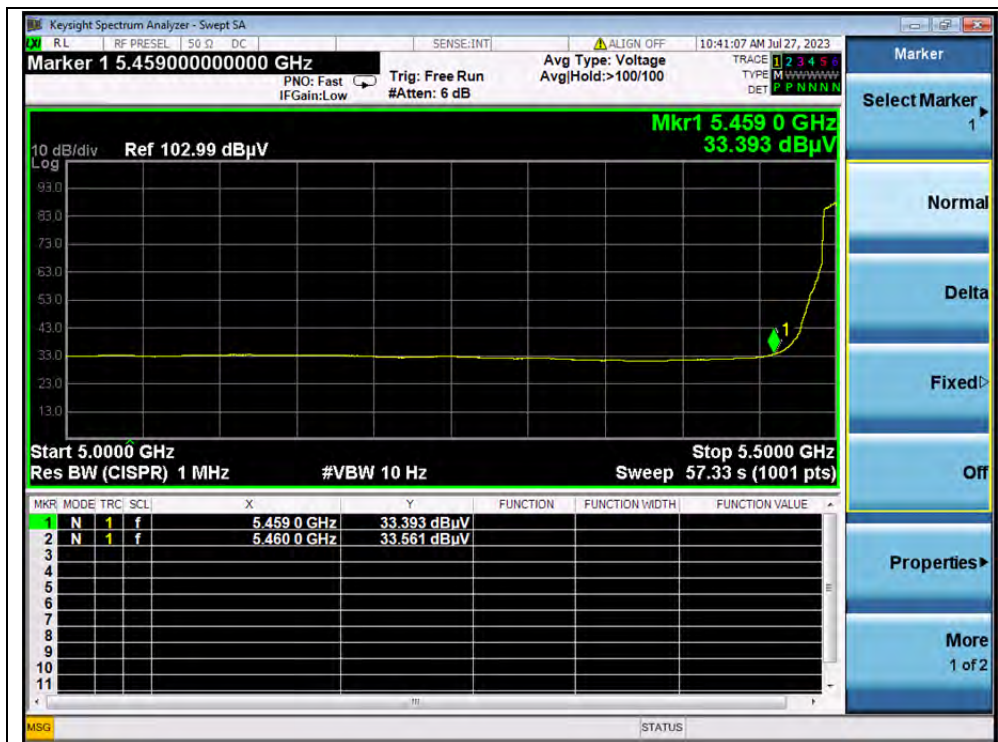
(PEAK, Channel 64, 802.11a)



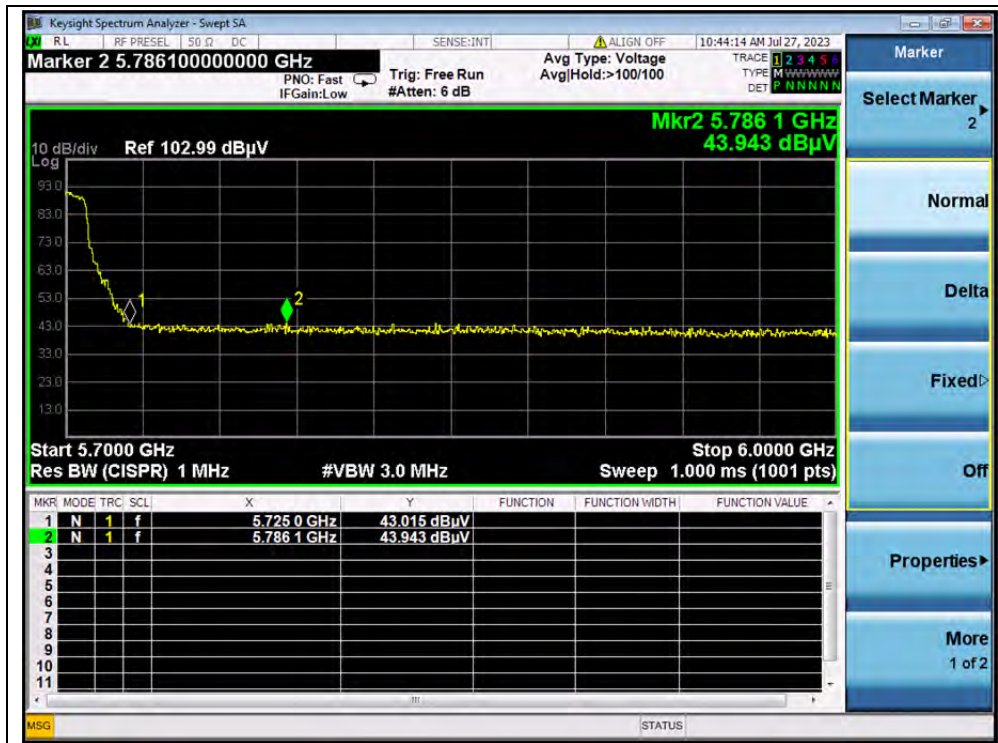
(AVERAGE, Channel 64, 802.11a)



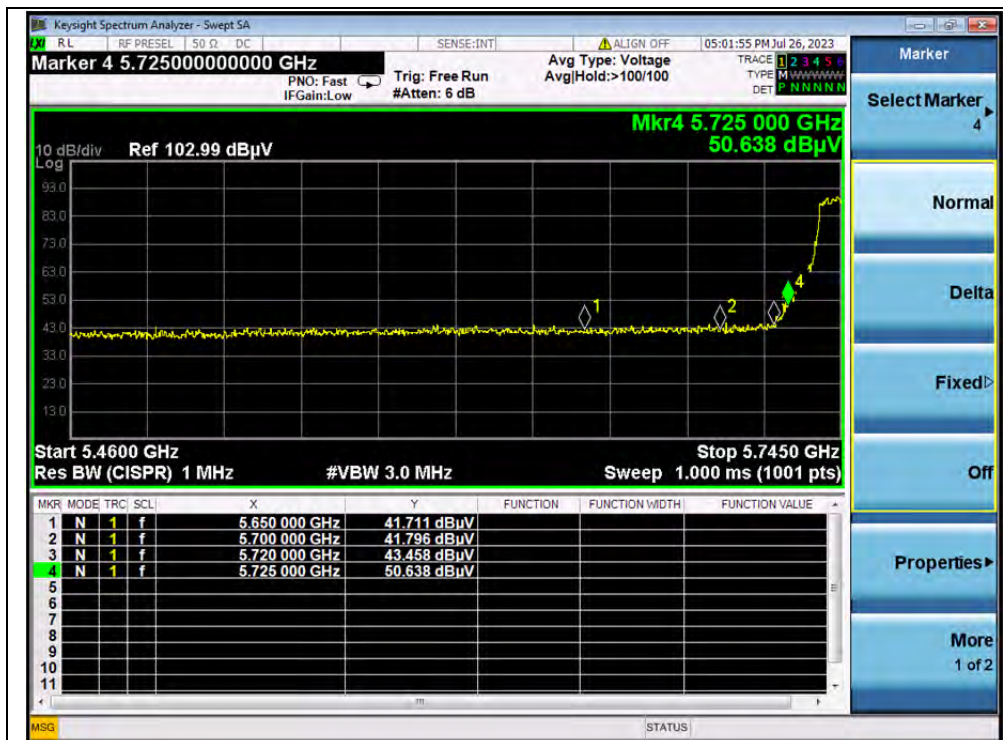
(PEAK, Channel 100, 802.11a)



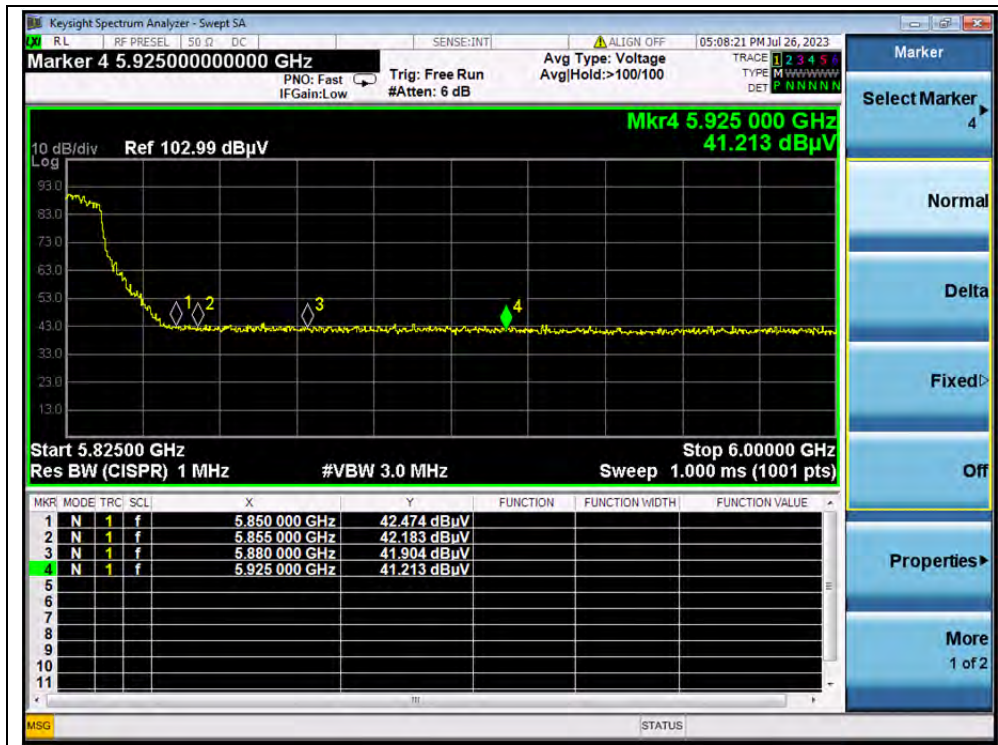
(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)

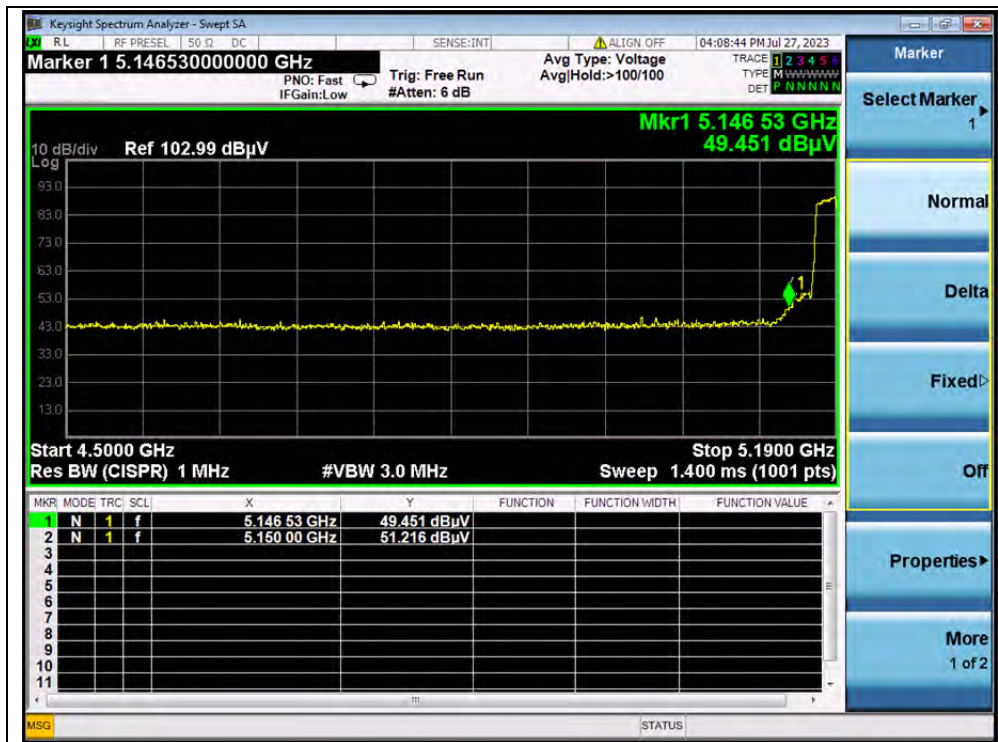


(PEAK, Channel 165, 802.11a)

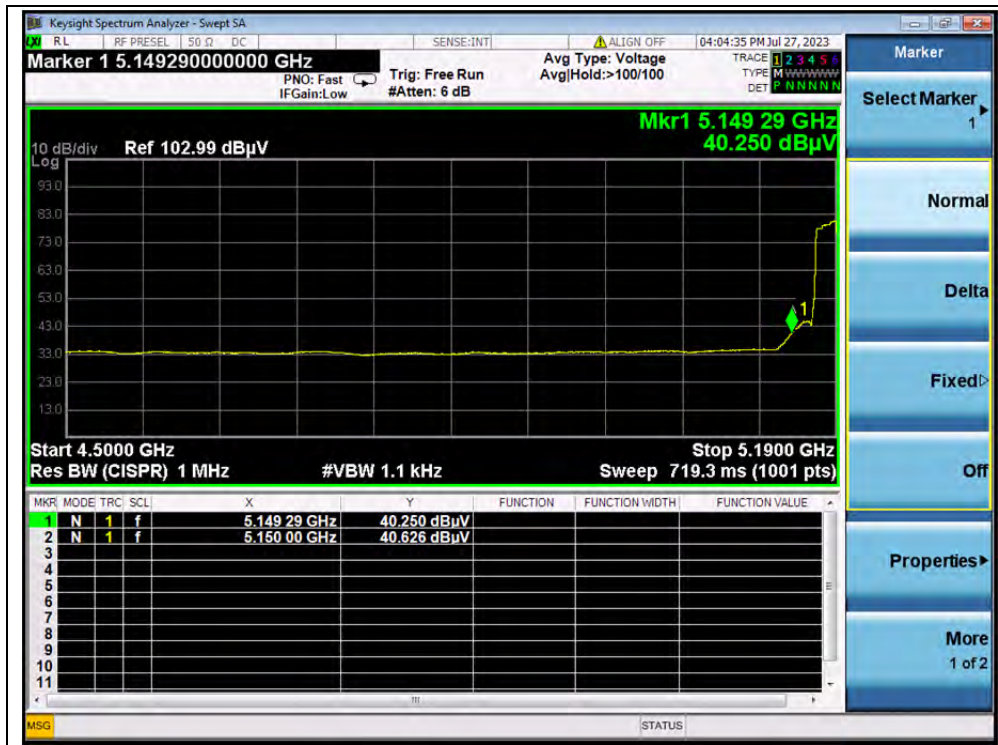


802.11n (HT40) Mode

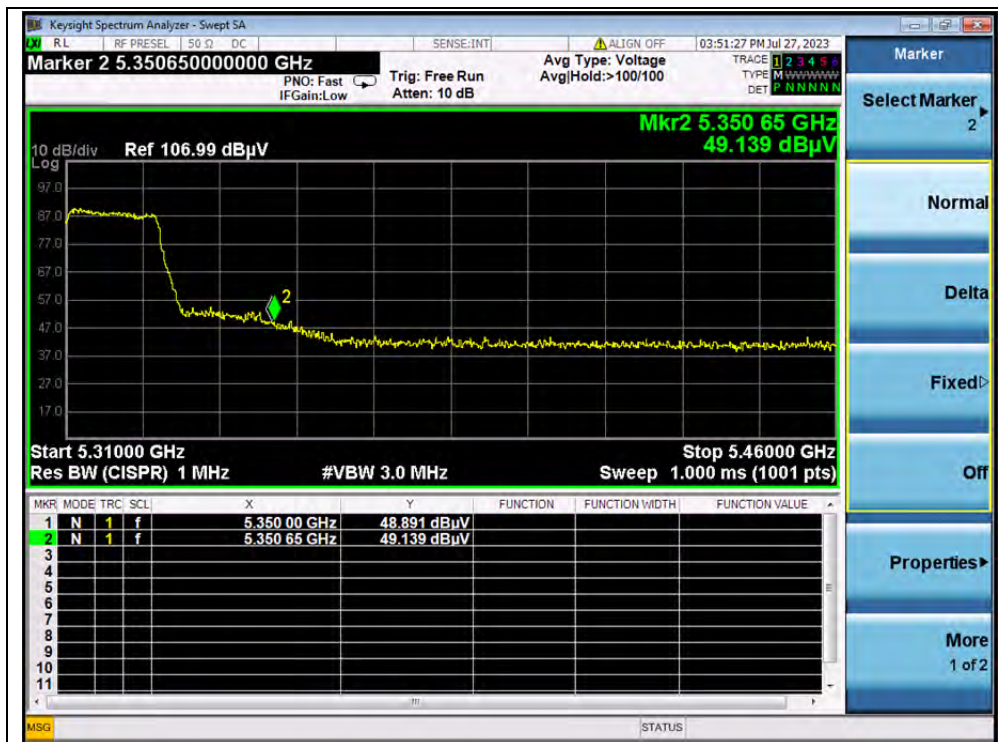
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
38	5150.00	PK	51.22	-19.54	32.20	63.88	74	PASS
38	5150.00	AV	40.62	-19.54	32.20	53.28	54	PASS
62	5350.00	PK	49.14	-18.80	32.20	62.54	74	PASS
62	5350.00	AV	39.24	-18.80	32.20	52.64	54	PASS
102	5470.00	PK	54.31	-19.20	32.20	67.31	68.23	PASS
102	5460.00	AV	39.28	-19.20	32.20	52.28	54	PASS
142	5728.08	PK	43.86	-19.20	32.20	56.86	68.23	PASS
151	5725.00	PK	51.67	-19.01	32.20	64.86	122.23	PASS
159	5855.00	PK	41.96	-19.01	32.20	55.15	122.23	PASS



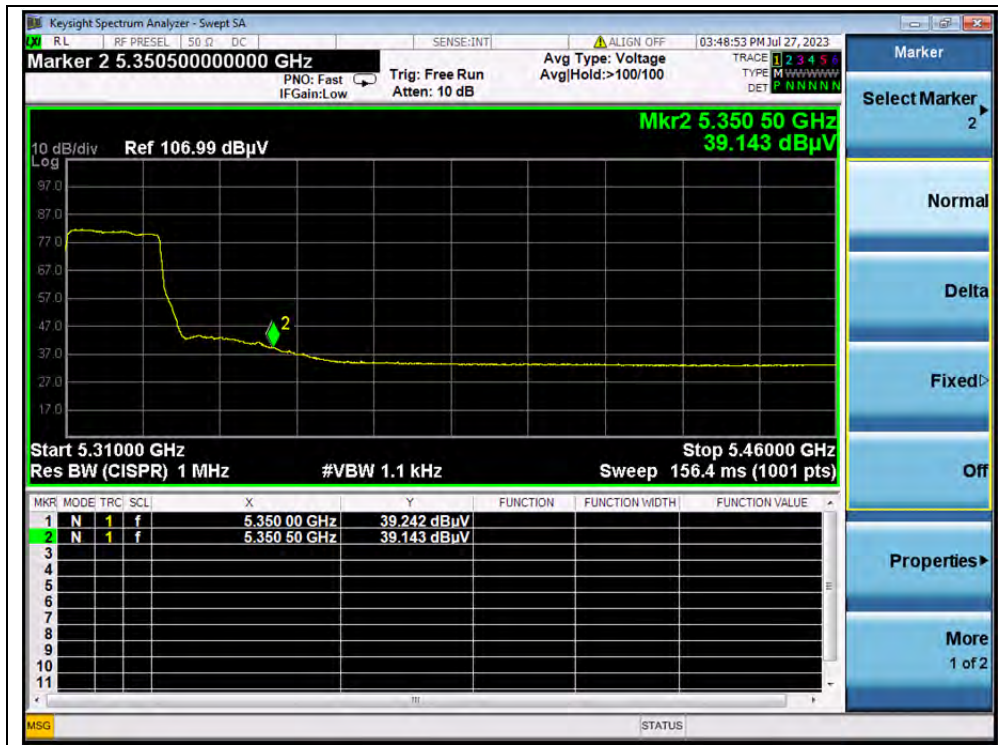
(PEAK, Channel 38, 802.11n (HT40))



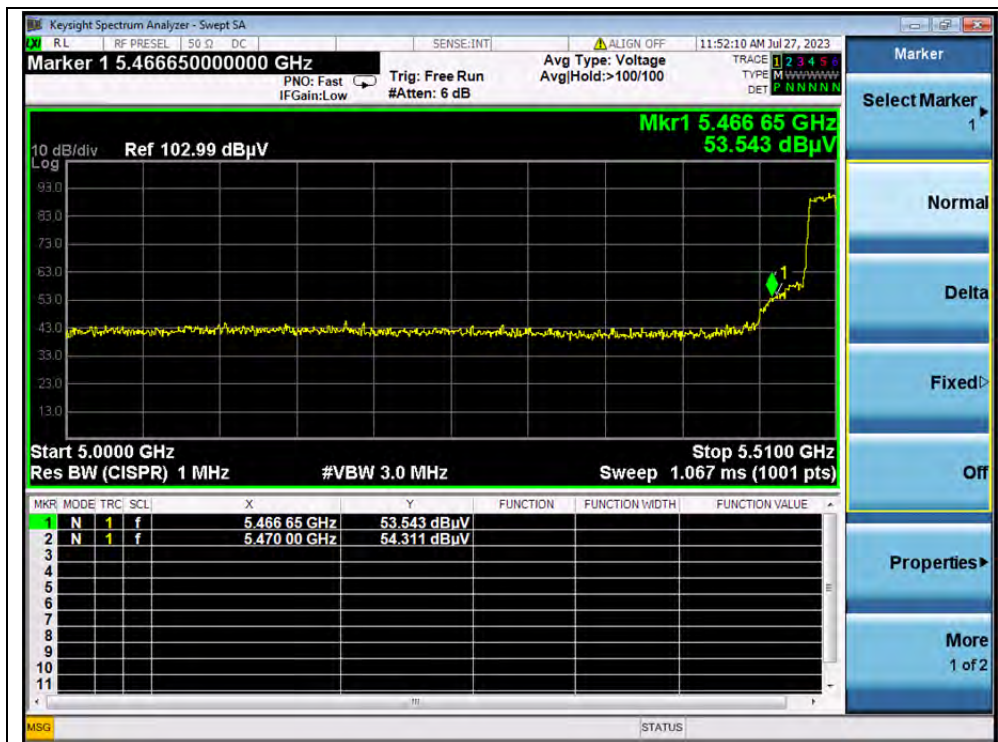
(AVERAGE, Channel 38, 802.11n (HT40))



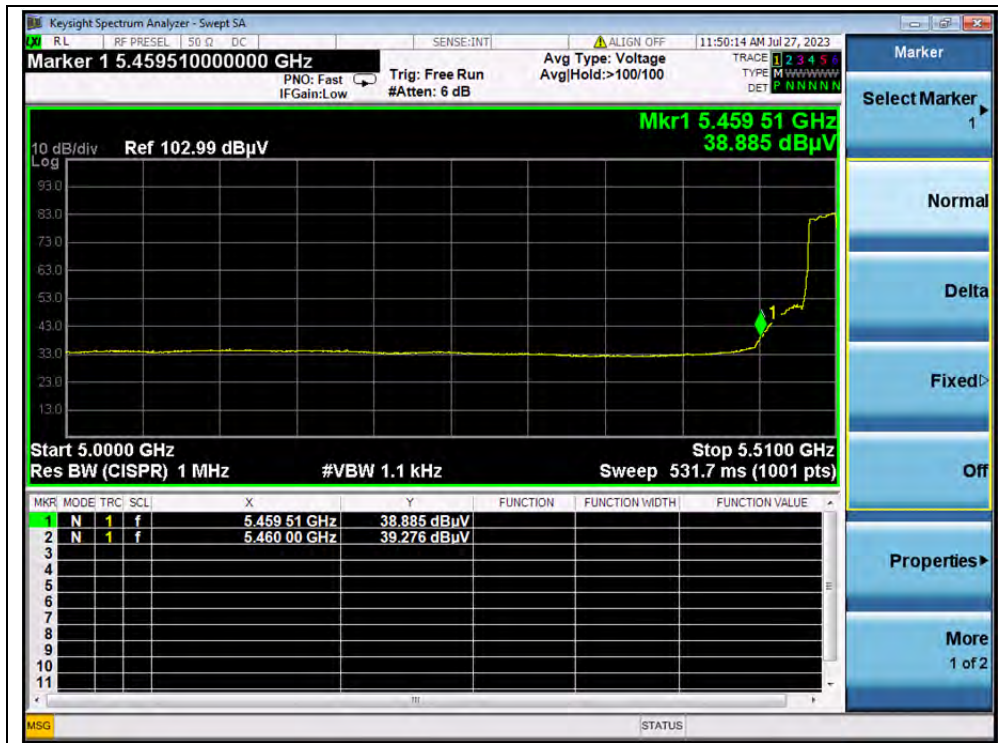
(PEAK, Channel 62, 802.11n (HT40))



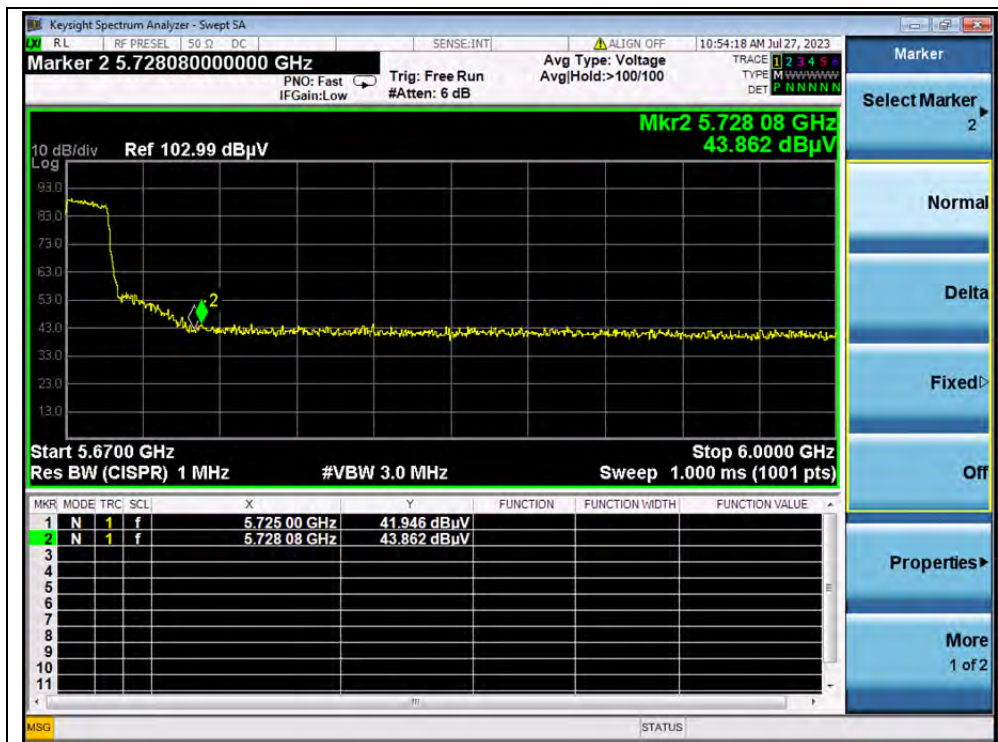
(AVERAGE, Channel 62, 802.11n (HT40))



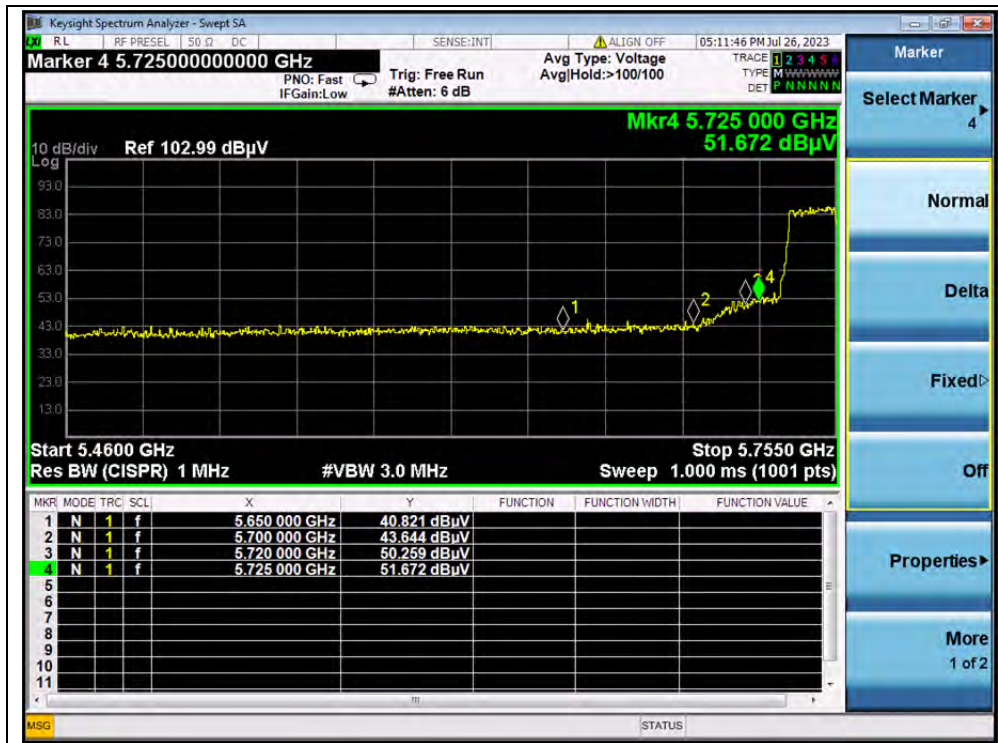
(PEAK, Channel 102, 802.11n (HT40))



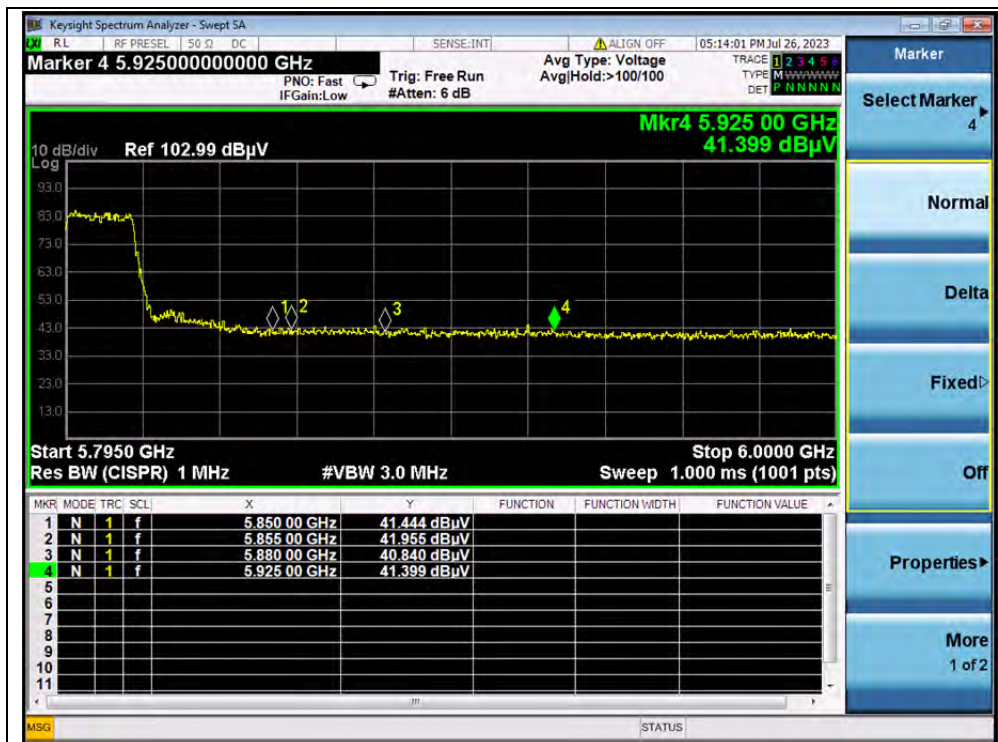
(AVERAGE, Channel 102, 802.11n (HT40))



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



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

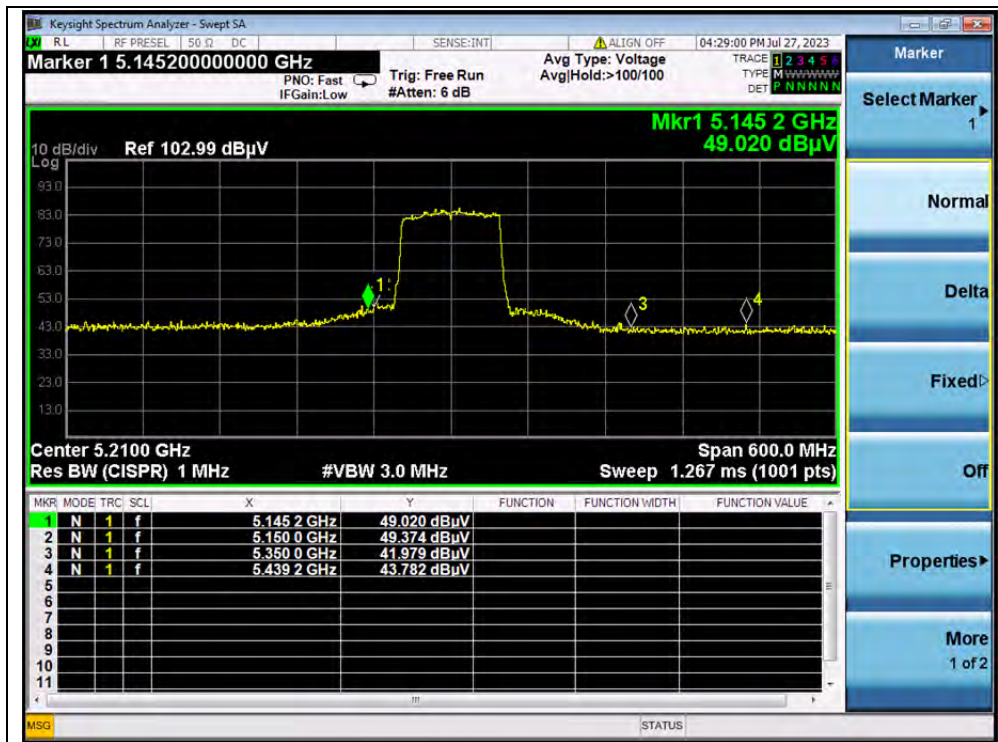


(PEAK, Channel 159, 802.11n (HT40))

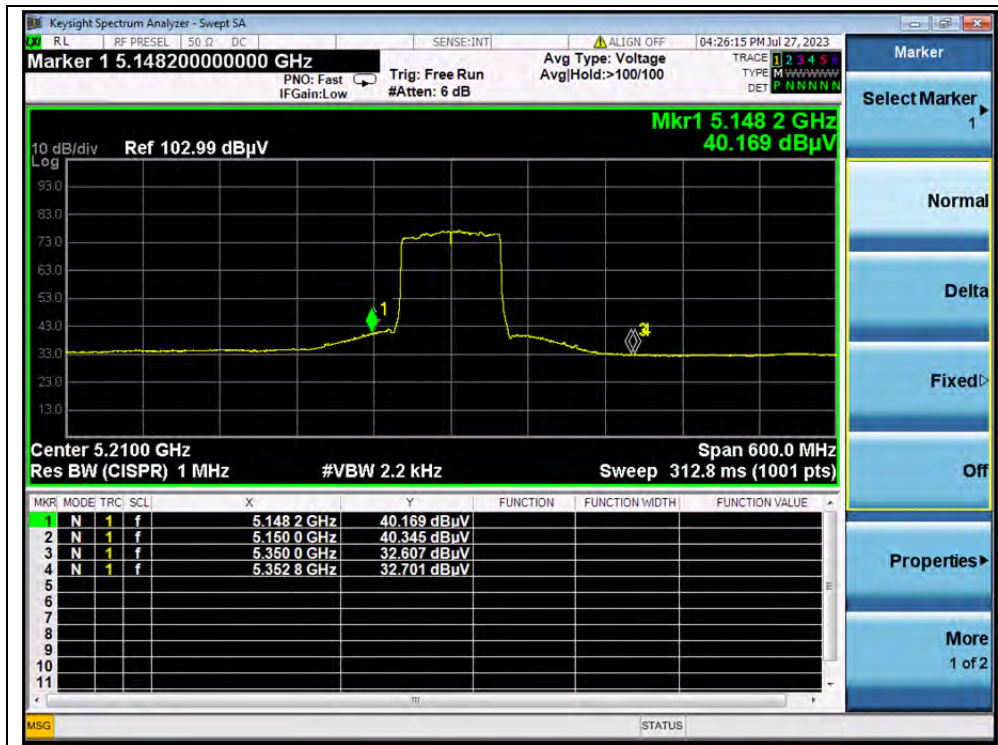


802.11ac (VHT80) Mode

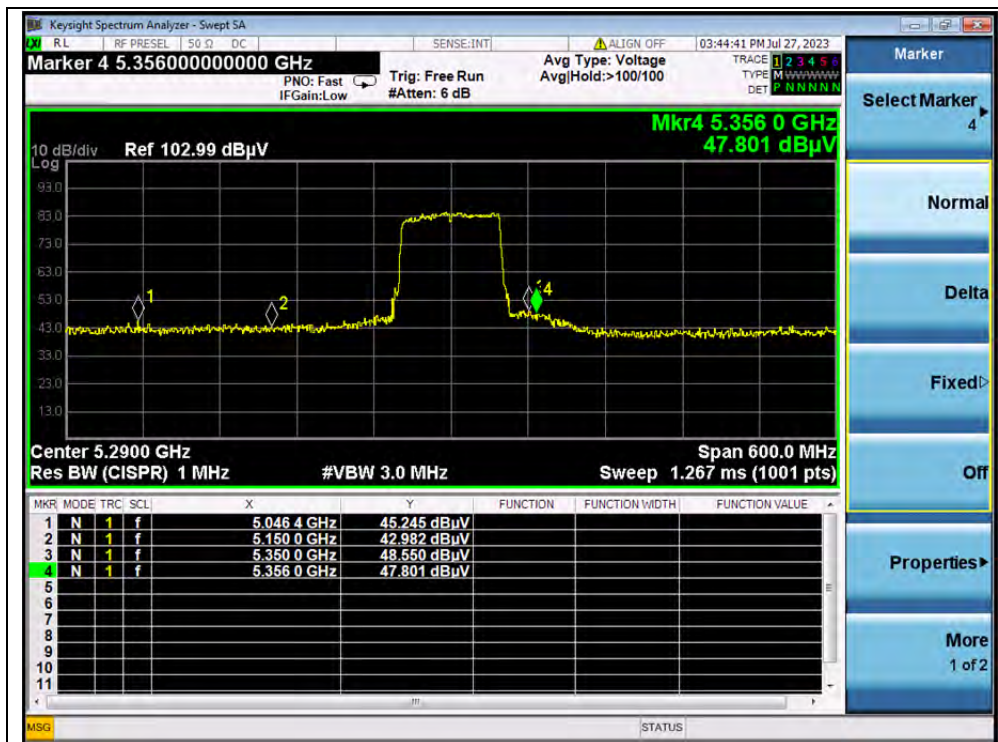
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
42	5150.00	PK	49.37	-19.54	32.20	62.03	74	PASS
42	5150.00	AV	40.35	-19.54	32.20	53.01	54	PASS
58	5350.00	PK	48.55	-18.80	32.20	61.95	74	PASS
58	5350.00	AV	39.52	-18.80	32.20	52.92	54	PASS
106	5465.34	PK	49.96	-19.20	32.20	62.96	68.23	PASS
106	5458.45	AV	40.19	-19.20	32.20	53.19	54	PASS
138	5771.85	PK	44.71	-19.20	32.20	57.71	68.23	PASS
155	5720.00	PK	52.62	-19.01	32.20	65.81	110.83	PASS
155	5855.00	PK	45.27	-19.01	32.20	58.46	110.83	PASS



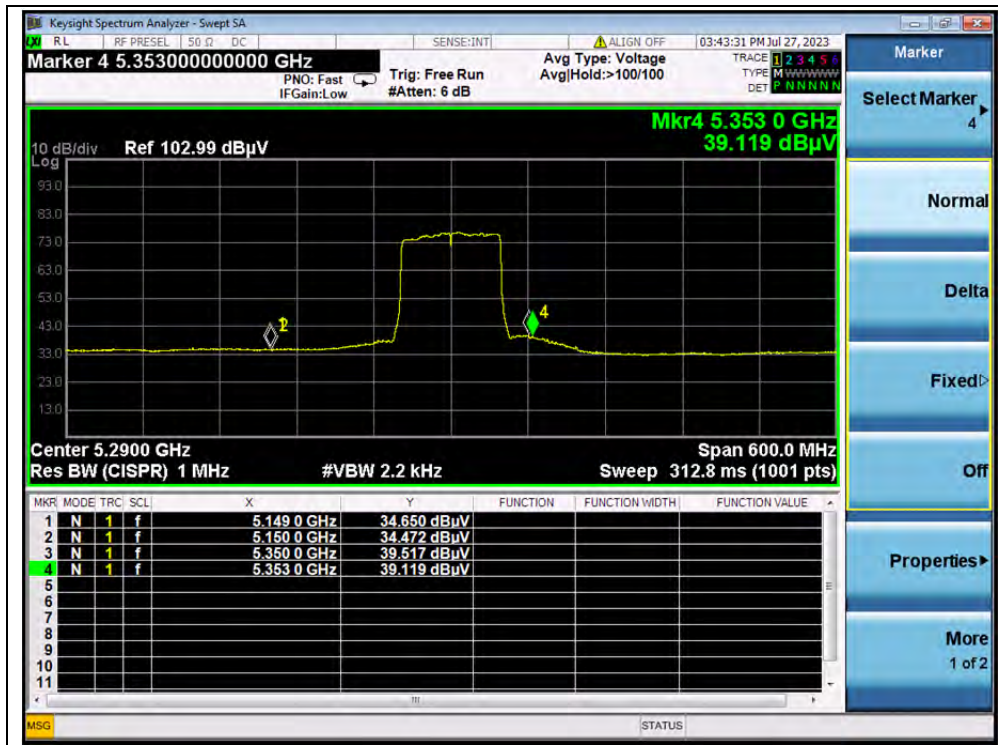
(PEAK, Channel 42, 802.11ac (VHT80))



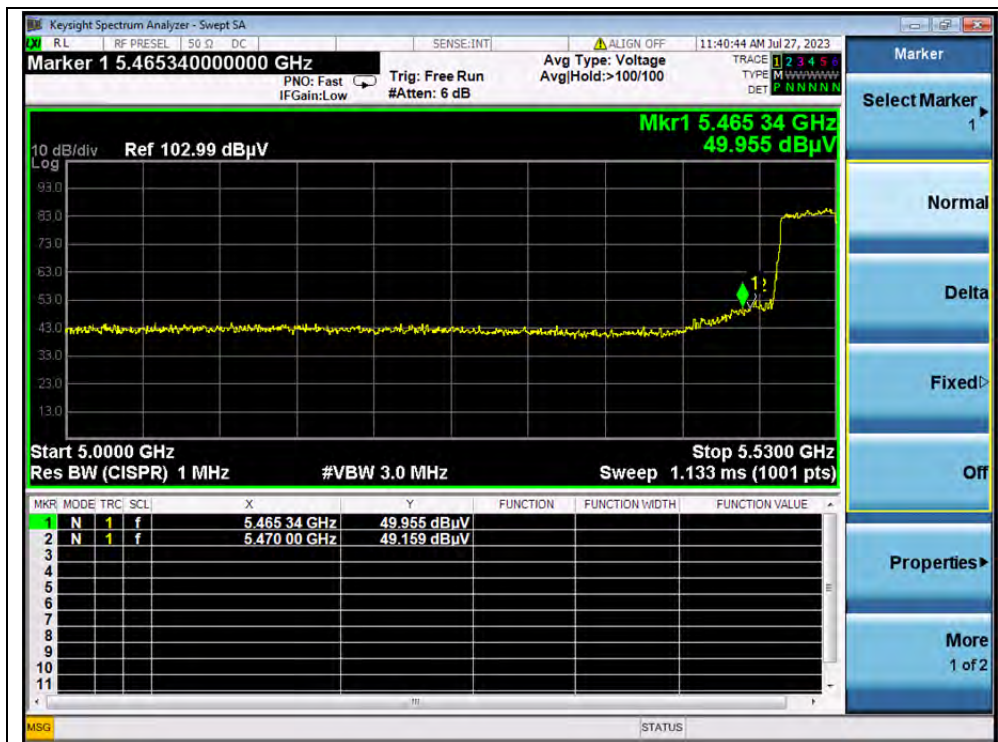
(AVERAGE, Channel 42, 802.11ac (VHT80))



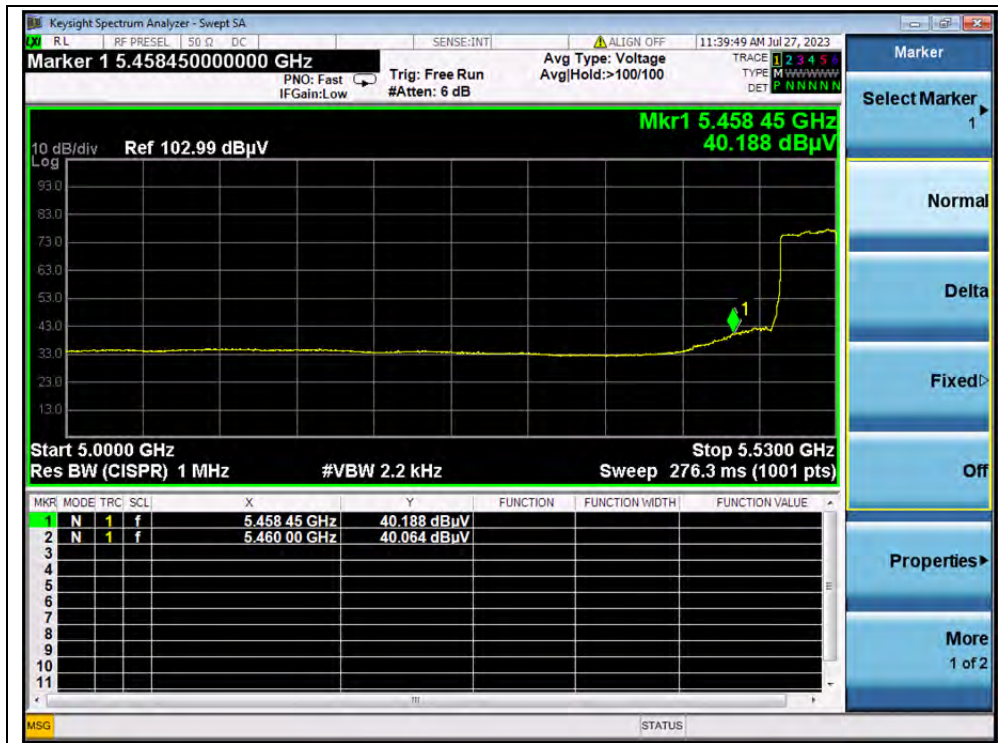
(PEAK, Channel 58, 802.11ac (VHT80))



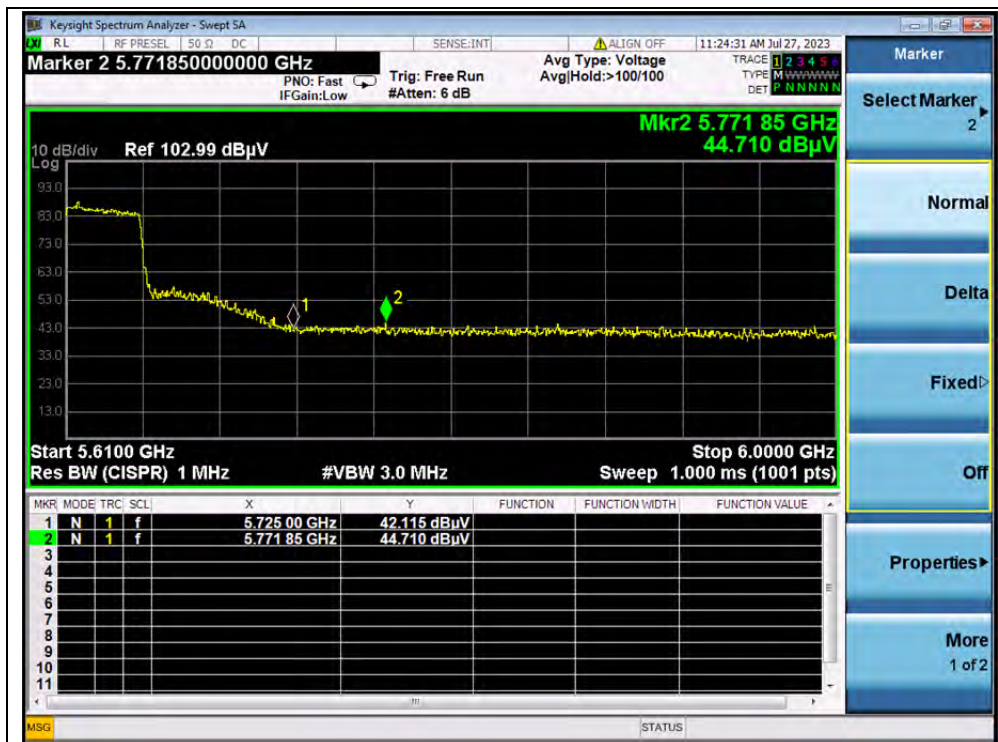
(AVERAGE, Channel 58, 802.11ac (VHT80))



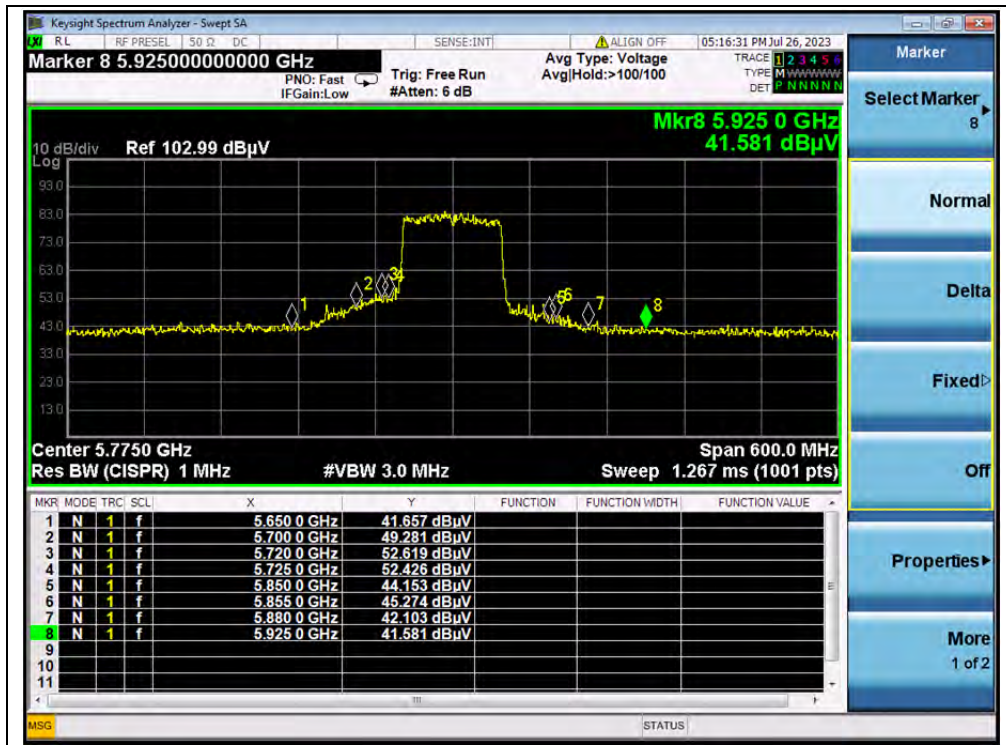
(PEAK, Channel 106, 802.11ac (VHT80))



(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.

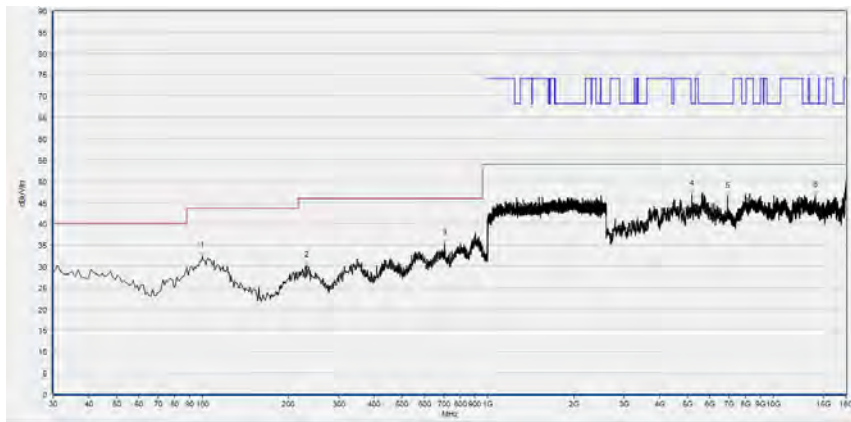
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 18GHz to 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.

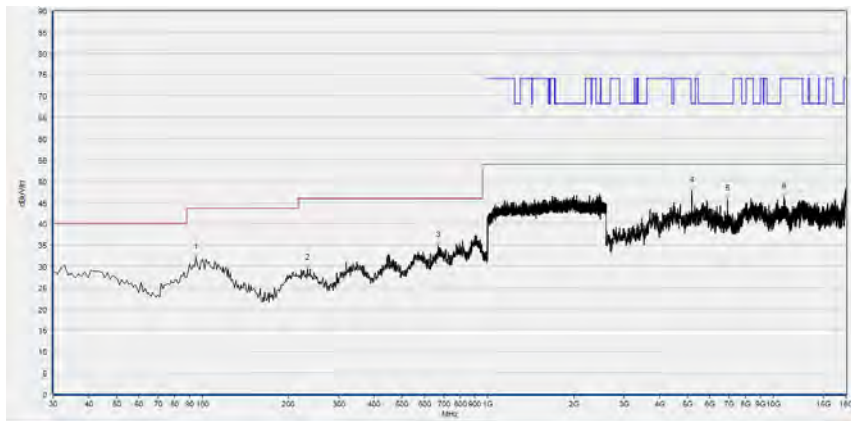
802.11a Mode

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
99.840	32.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
232.730	30.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
704.150	35.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5177.960	46.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6905.840	46.49	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14032.960	46.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

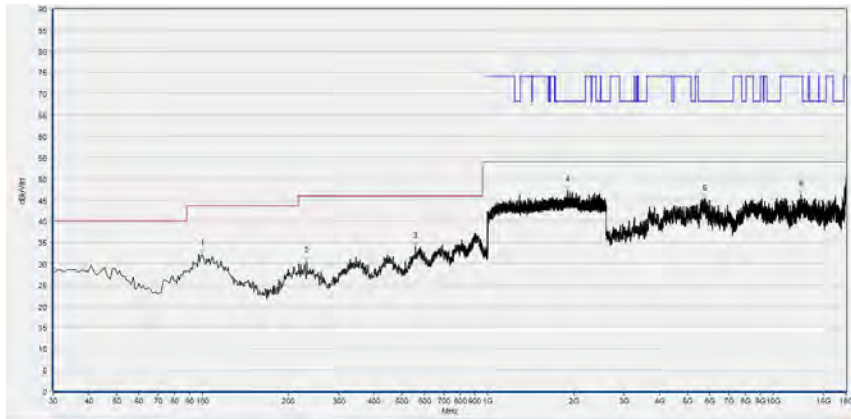
(Antenna Horizontal, 30MHz to 18GHz)



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
94.990	32.01	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
233.700	29.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
670.200	34.87	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5184.120	47.75	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6905.840	45.75	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10906.760	46.33	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

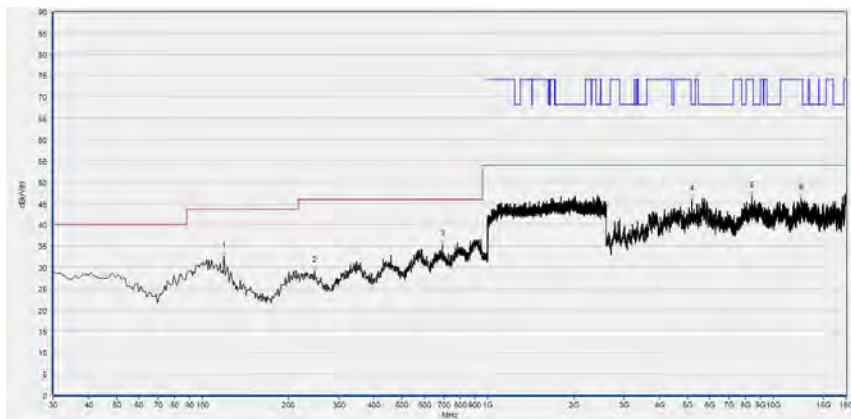
(Antenna Vertical, 30MHz to 18GHz)

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
99.840	32.26	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
232.730	30.52	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
558.650	34.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1904.000	47.28	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5763.160	45.21	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12517.600	46.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

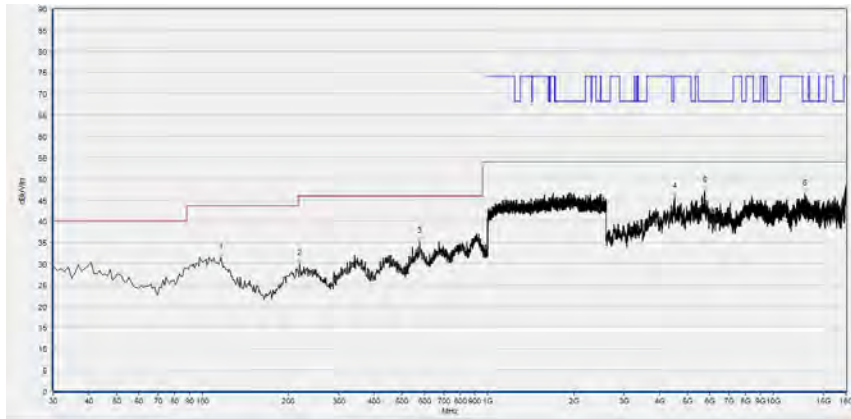
(Antenna Horizontal, 30MHz to 18GHz)



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
119.240	32.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
247.280	29.08	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
693.480	35.29	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5177.960	45.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8411.960	46.77	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12523.760	46.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

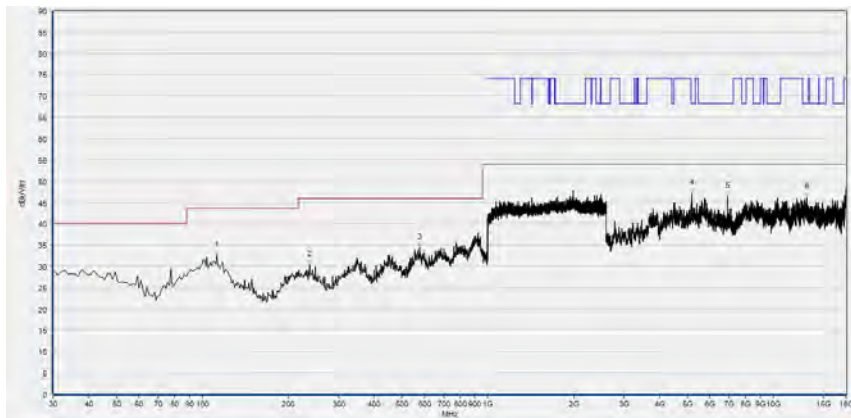
(Antenna Vertical, 30MHz to 18GHz)

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
116.330	31.28	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.150	29.96	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
577.080	35.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4518.840	45.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5741.600	47.04	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12893.360	46.49	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

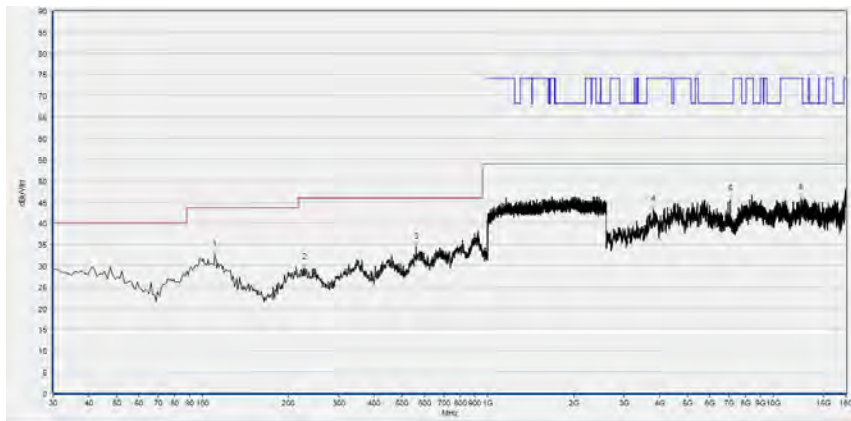
(Antenna Horizontal, 30MHz to 18GHz)



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	32.52	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
237.580	30.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
577.080	34.43	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5184.120	47.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6905.840	46.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13084.320	46.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

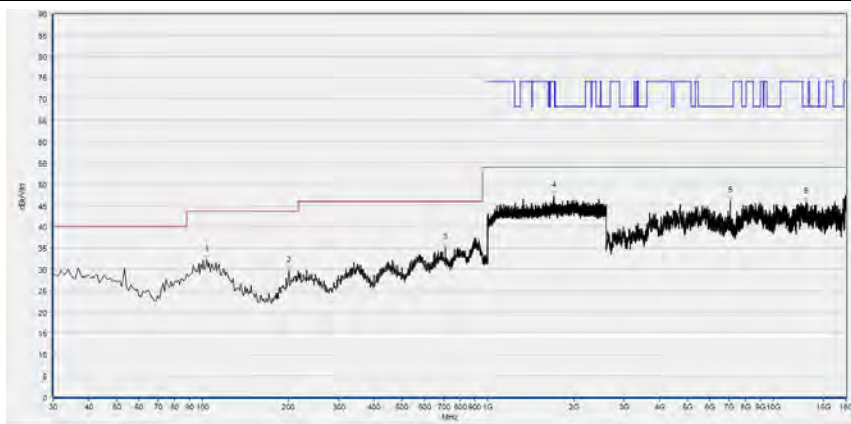
(Antenna Vertical, 30MHz to 18GHz)

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	32.54	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
227.880	29.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1826.133	46.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
3807.360	43.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7078.320	45.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12523.760	45.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

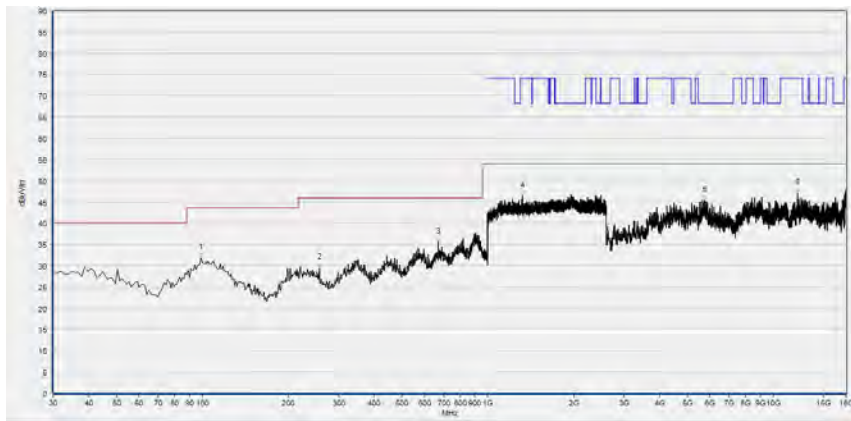
(Antenna Horizontal, 30MHz to 18GHz)



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
103.720	32.22	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
200.720	29.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
709.970	34.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1702.400	47.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7078.320	46.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13062.760	45.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

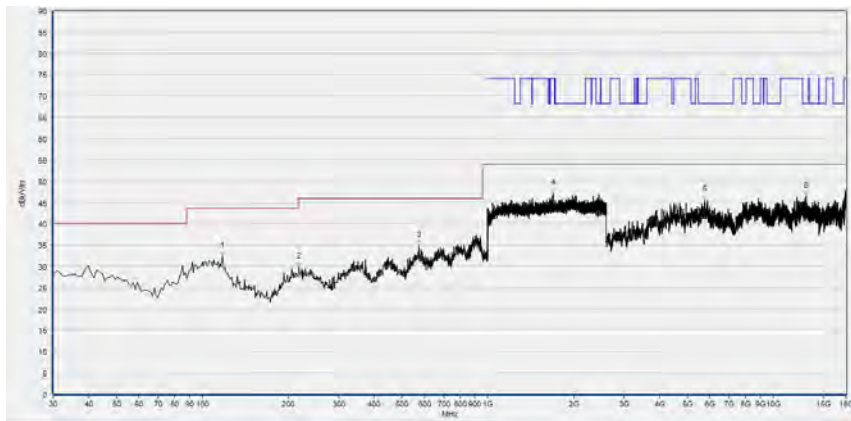
(Antenna Vertical, 30MHz to 18GHz)

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
98.870	31.81	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
256.980	29.57	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
671.170	35.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1323.733	46.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5757.000	45.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12151.080	47.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

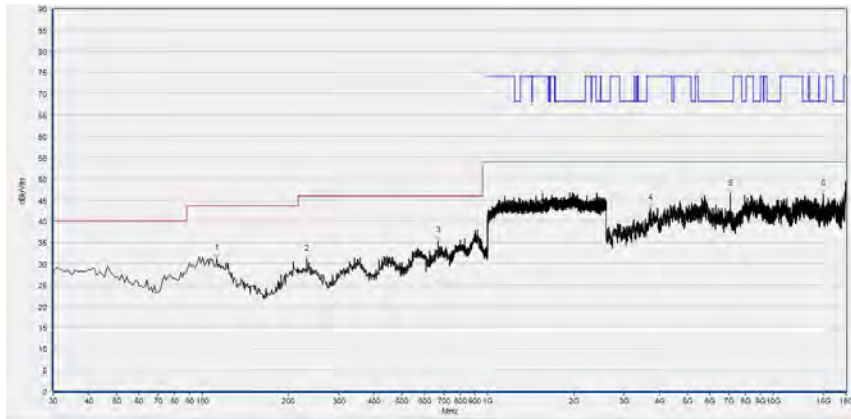
(Antenna Horizontal, 30MHz to 18GHz)



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
117.300	32.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
218.180	29.78	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
573.200	34.89	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1692.267	47.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5763.160	45.64	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13050.440	46.43	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

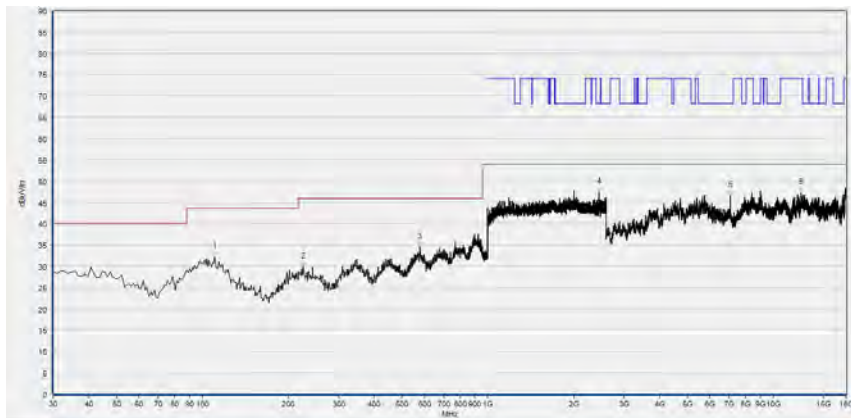
(Antenna Vertical, 30MHz to 18GHz)

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
112.450	31.14	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
232.730	31.08	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
670.200	35.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
3711.880	43.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7078.320	46.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
15003.160	46.37	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

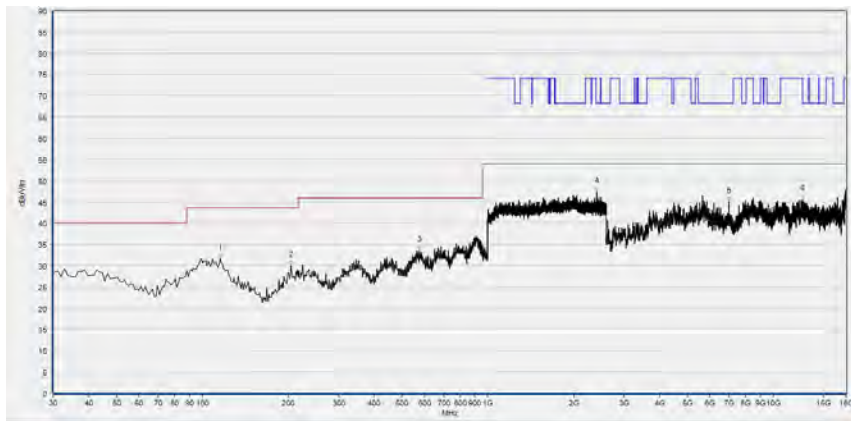
(Antenna Horizontal, 30MHz to 18GHz)



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	32.16	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
225.940	29.83	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
577.080	34.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2450.667	47.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7078.320	46.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12523.760	47.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

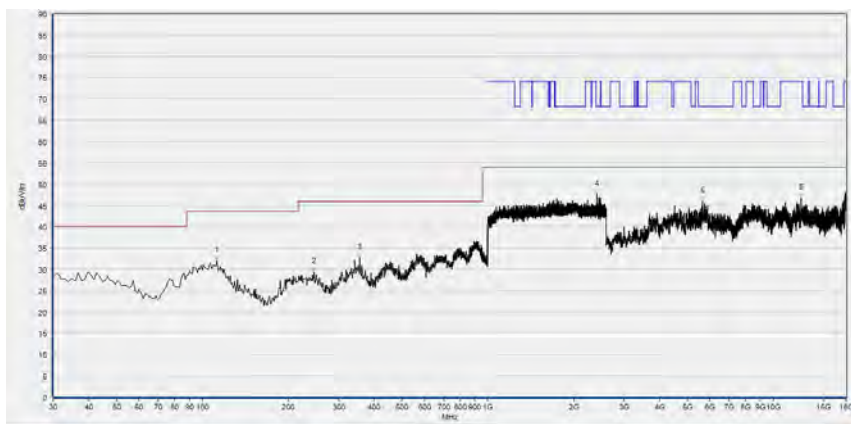
(Antenna Vertical, 30MHz to 18GHz)

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
115.360	31.59	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
204.600	30.04	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
576.110	33.50	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2411.733	47.39	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6995.160	45.06	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12637.720	45.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

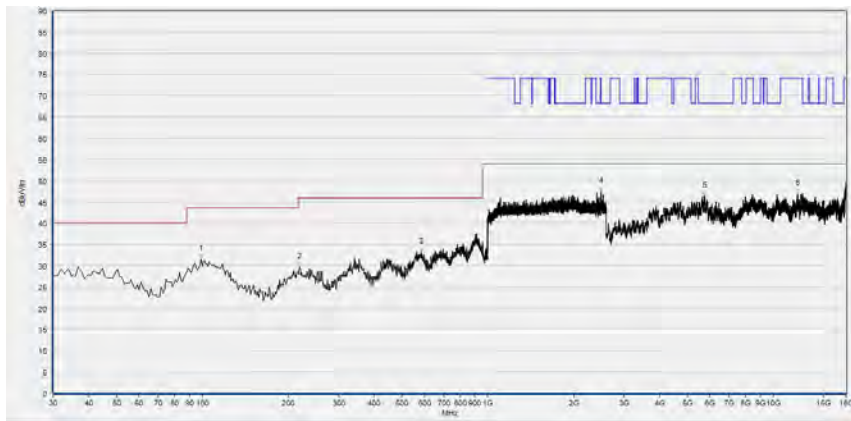
(Antenna Horizontal, 30MHz to 18GHz)



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
112.450	31.97	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
246.310	29.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
355.920	32.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2408.000	47.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5639.960	45.99	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12517.600	46.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

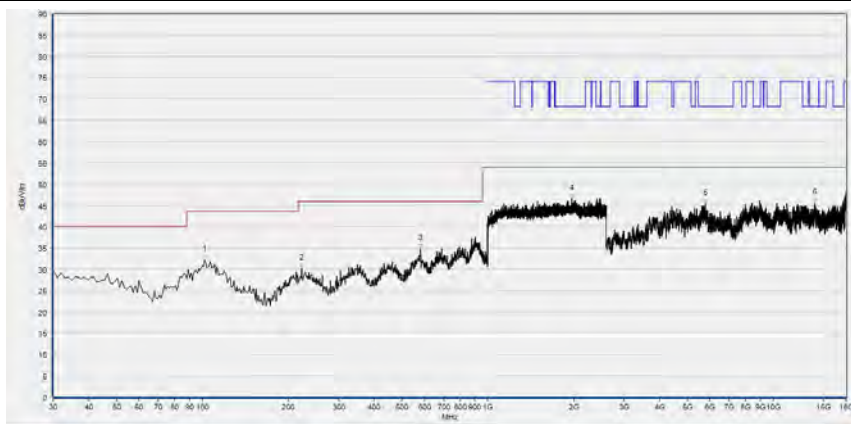
(Antenna Vertical, 30MHz to 18GHz)

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
98.870	31.50	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.150	29.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
583.870	33.20	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2493.867	47.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5763.160	46.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12163.400	47.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

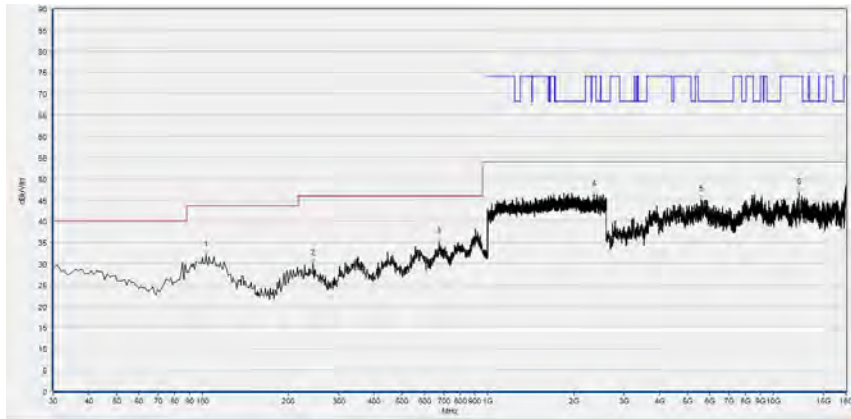
(Antenna Horizontal, 30MHz to 18GHz)



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
101.780	32.11	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
223.030	30.24	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
580.960	34.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1963.200	46.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5772.400	45.49	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13952.880	45.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

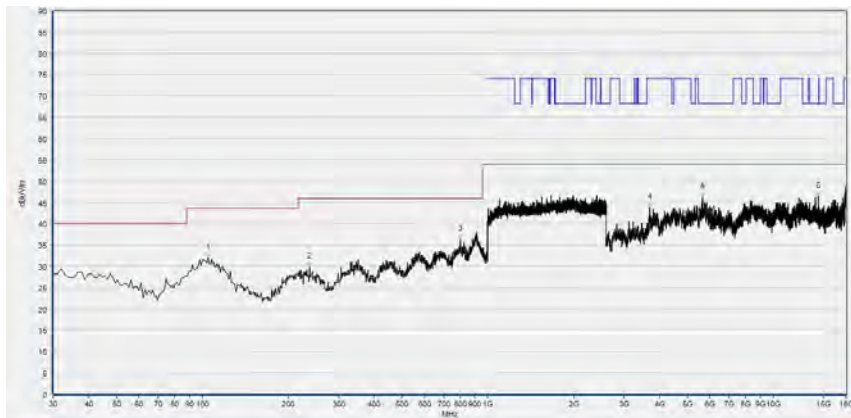
(Antenna Vertical, 30MHz to 18GHz)

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
102.750	32.01	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
244.370	29.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
675.050	34.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2355.200	46.26	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
5593.760	45.03	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12298.920	46.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

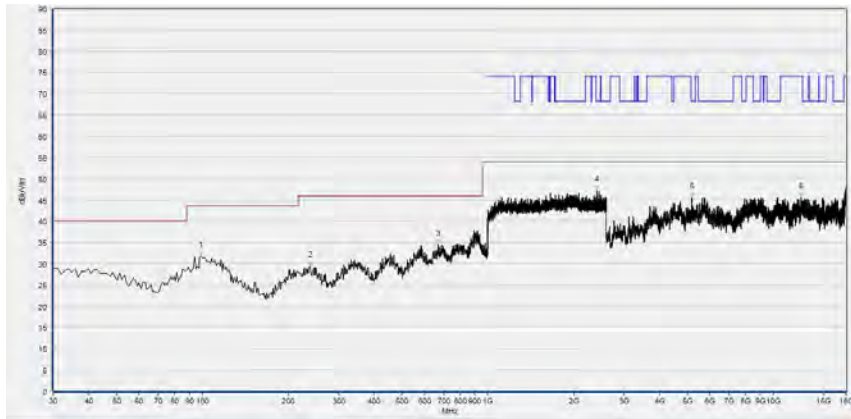
(Antenna Horizontal, 30MHz to 18GHz)



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	32.03	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
237.580	29.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
801.150	36.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
3699.560	43.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5646.120	46.29	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
14408.720	46.36	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

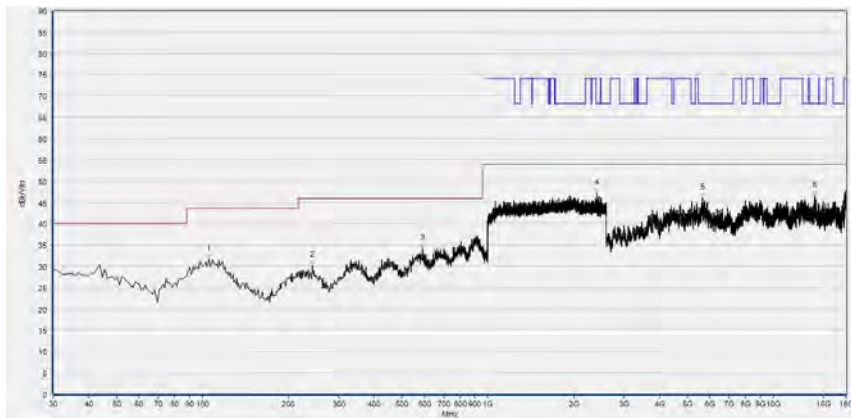
(Antenna Vertical, 30MHz to 18GHz)

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
98.870	31.90	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
238.550	29.52	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
669.230	34.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2409.067	47.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5177.960	45.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12529.920	45.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

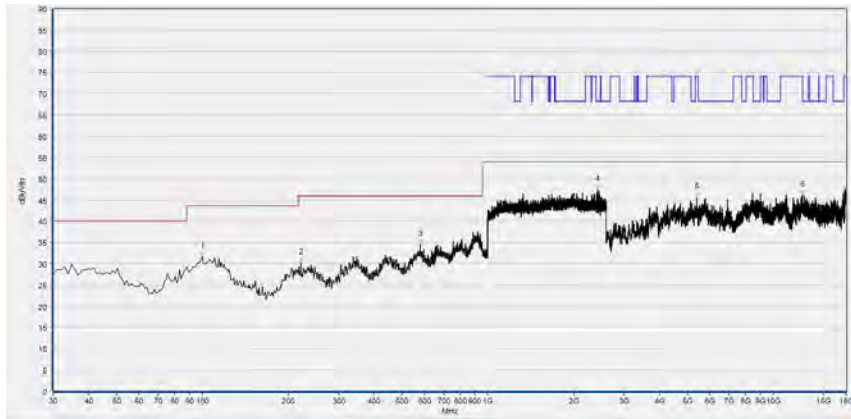
(Antenna Horizontal, 30MHz to 18GHz)



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	31.66	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
242.430	30.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
590.660	34.22	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2412.800	47.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5639.960	46.16	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13949.800	46.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

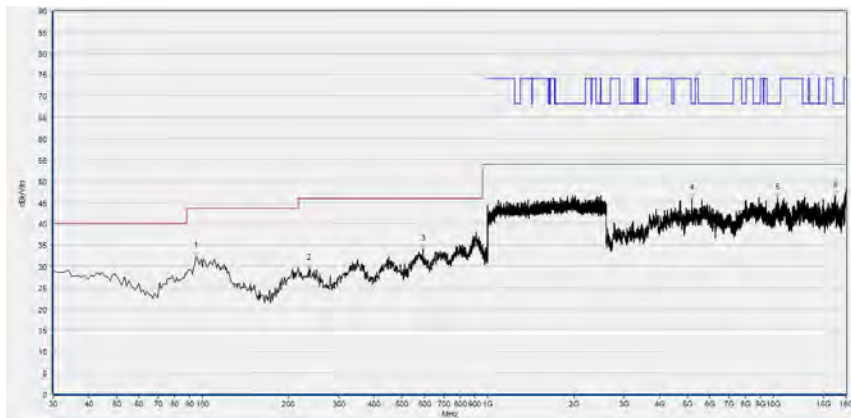
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157



Fre. (MHz)	PK (dB μ V/m)	QP (dB μ V/m)	AV (dB μ V/m)	Limit-PK (dB μ V/m)	Limit-QP (dB μ V/m)	Limit-AV (dB μ V/m)	Antenna	Verdict
99.840	31.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
221.090	30.21	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
579.020	34.55	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2418.133	47.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5399.720	45.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12677.760	46.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

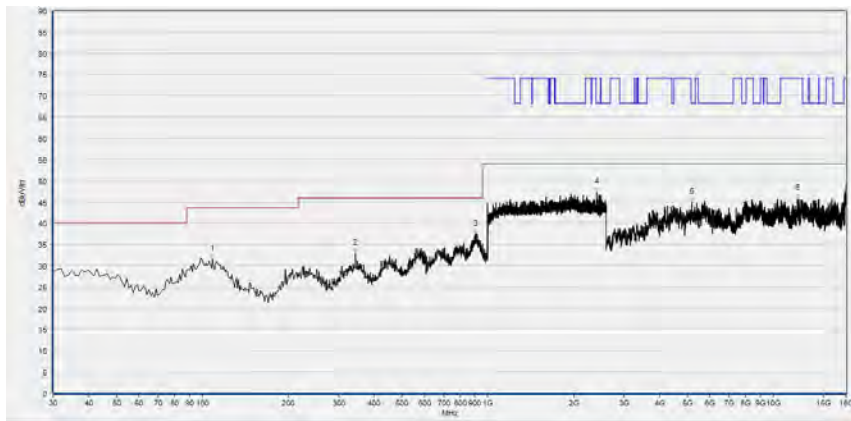
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dB μ V/m)	QP (dB μ V/m)	AV (dB μ V/m)	Limit-PK (dB μ V/m)	Limit-QP (dB μ V/m)	Limit-AV (dB μ V/m)	Antenna	Verdict
94.990	32.39	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
236.610	29.47	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
592.600	33.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5184.120	45.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10330.800	46.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16552.400	46.65	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

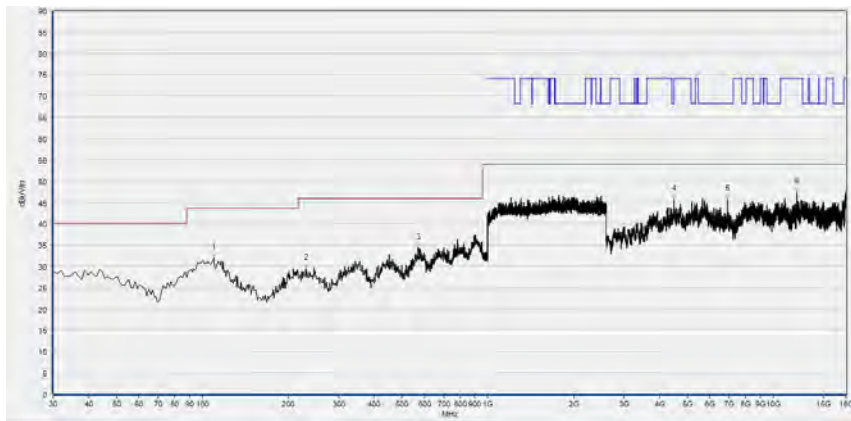
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	31.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
344.280	32.91	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
904.940	37.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2414.400	47.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5174.880	44.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12144.920	45.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

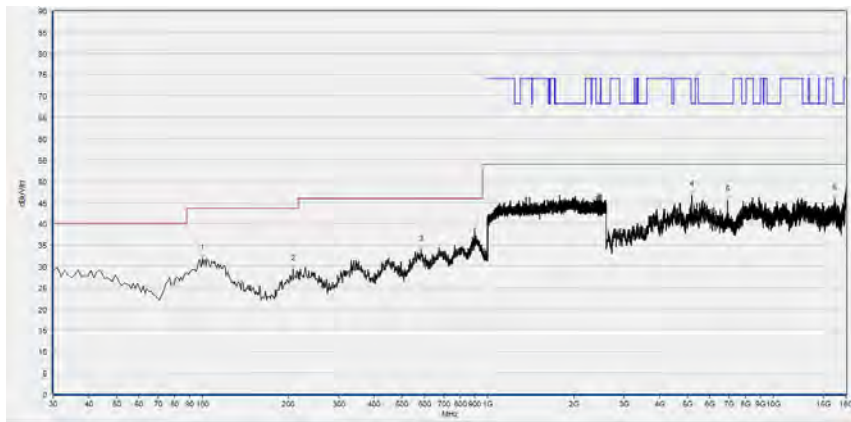


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	31.95	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
230.790	29.43	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
569.320	34.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4488.040	45.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6905.840	45.81	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12077.160	47.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

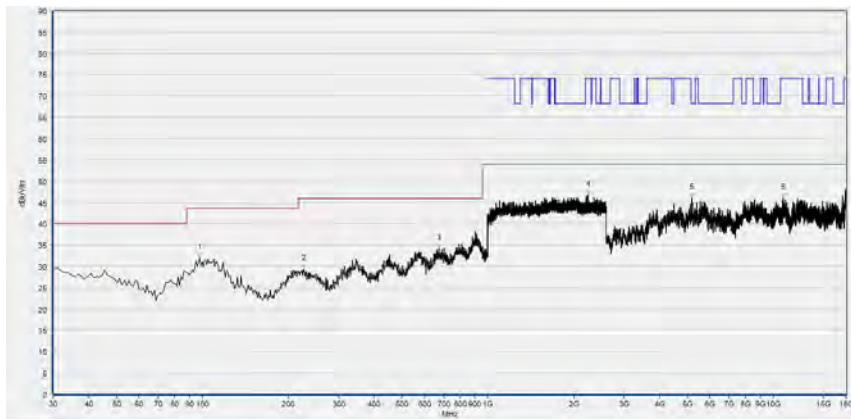
802.11n (HT40) mode

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
99.840	31.87	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
207.510	29.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
581.930	33.91	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5177.960	46.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6905.840	45.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
16404.560	45.89	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

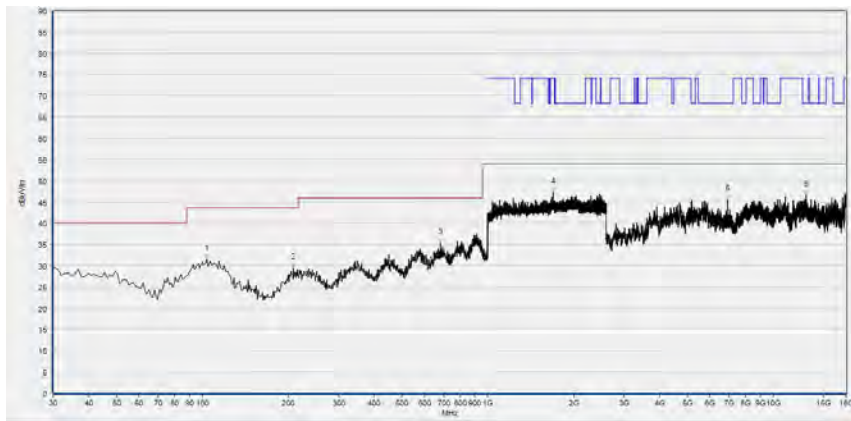
(Antenna Horizontal, 30MHz to 18GHz)



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	31.94	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
226.910	29.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
672.140	34.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2253.333	46.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5177.960	46.13	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10829.760	46.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

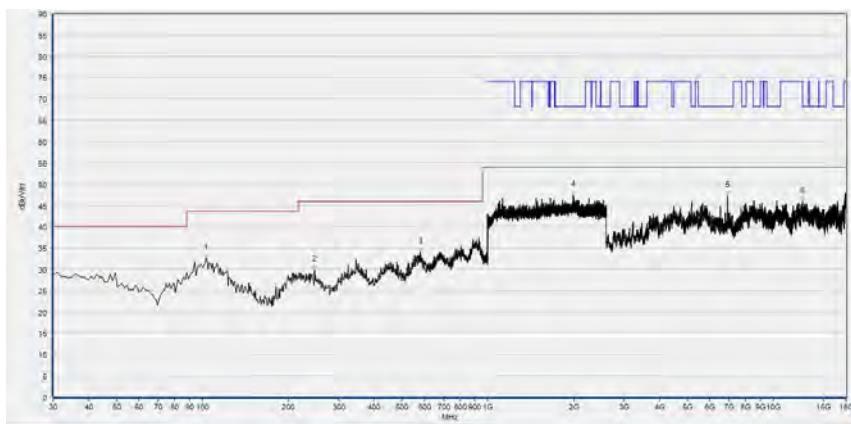
(Antenna Vertical, 30MHz to 18GHz)

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	31.57	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
208.480	29.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
682.810	35.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1691.733	47.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6905.840	45.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13013.480	46.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

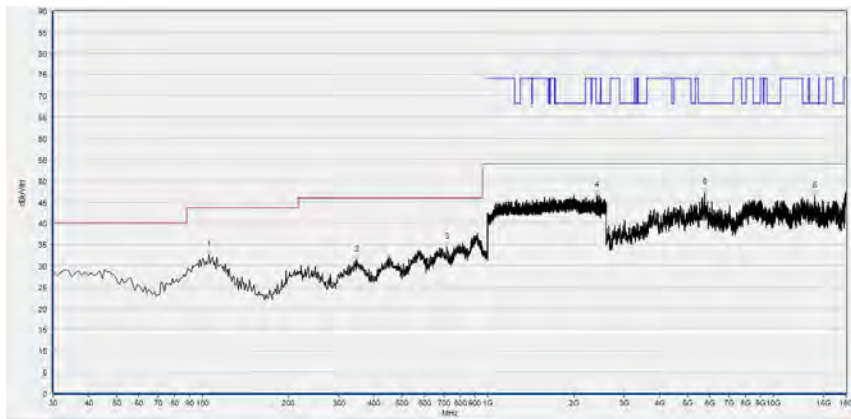
(Antenna Horizontal, 30MHz to 18GHz)



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
102.750	32.47	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
247.280	29.75	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
579.020	34.08	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1995.733	47.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6905.840	47.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12631.560	45.90	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

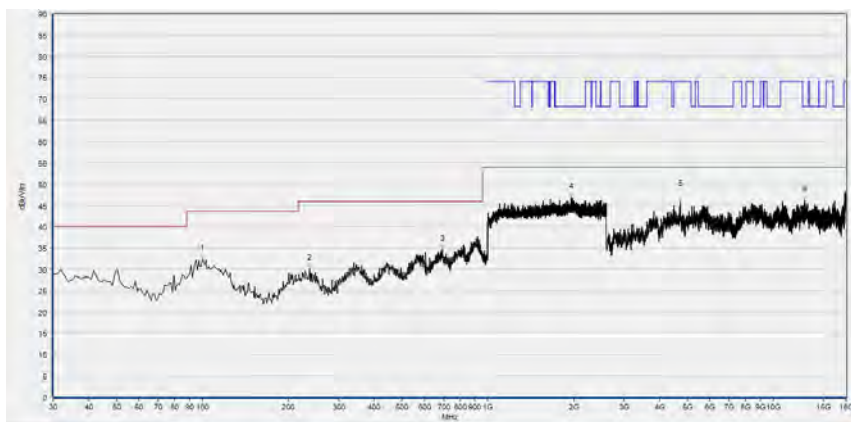
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	32.51	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
347.190	31.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
716.760	34.28	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2404.267	46.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5744.680	47.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13992.920	46.44	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

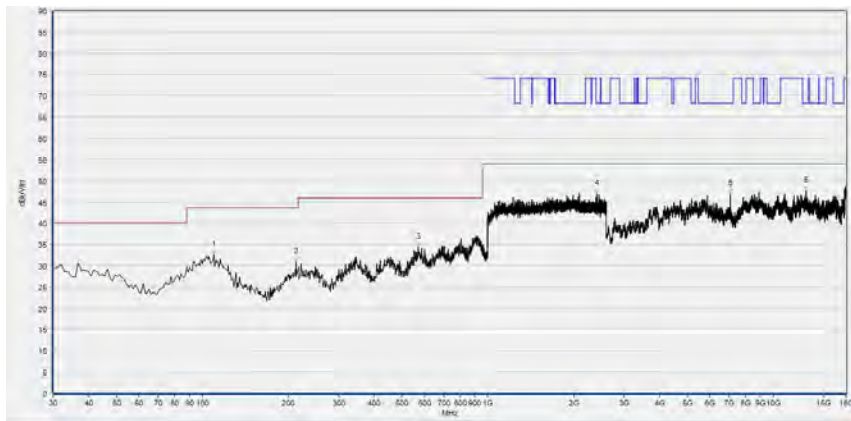
(Antenna Horizontal, 30MHz to 18GHz)



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	32.31	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
237.580	30.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
694.450	34.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1954.133	46.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4731.360	45.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12893.360	46.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

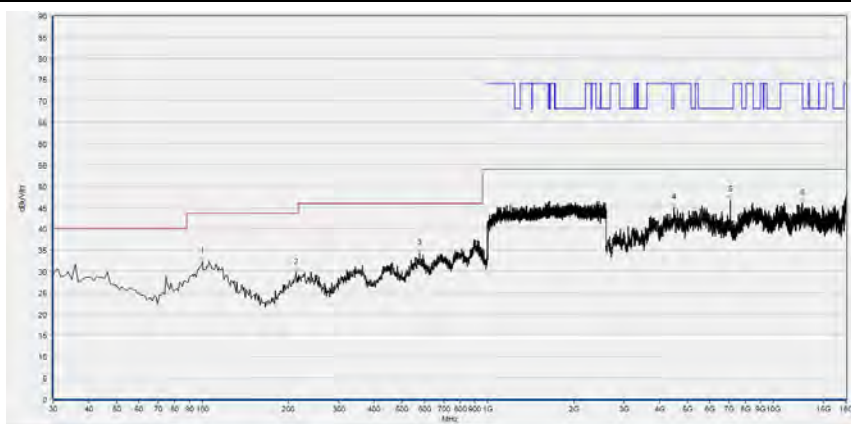
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.49	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
213.330	30.90	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
570.290	34.38	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2413.333	46.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7078.320	46.93	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13059.680	47.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

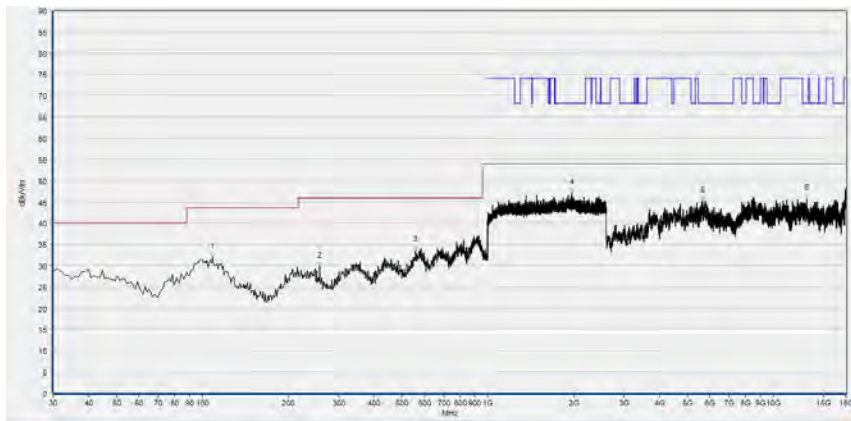
(Antenna Horizontal, 30MHz to 18GHz)



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	32.18	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
213.330	29.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
576.110	34.11	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4491.120	44.93	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7078.320	46.70	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12653.120	45.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

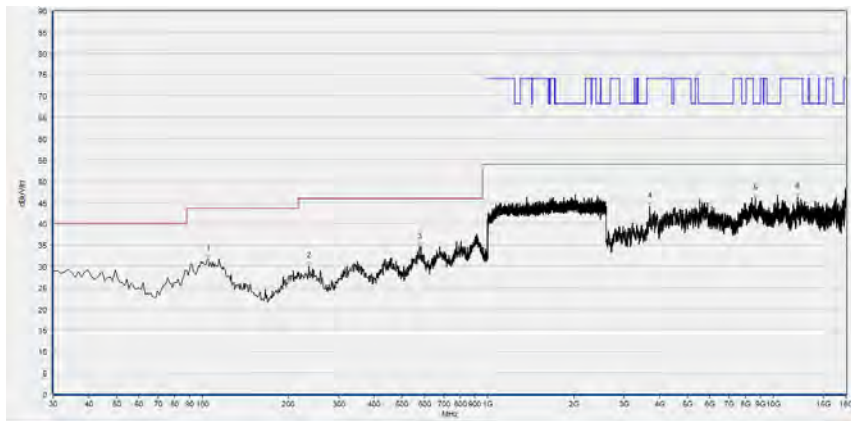
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	32.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
257.950	29.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
558.650	33.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1971.733	47.06	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5664.600	45.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13084.320	45.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

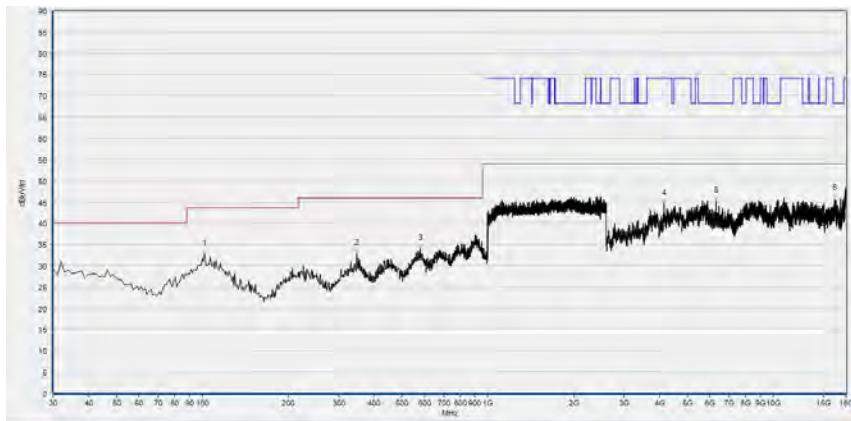
(Antenna Horizontal, 30MHz to 18GHz)



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
104.690	31.72	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
235.640	29.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
576.110	34.61	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
3696.480	44.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8642.960	45.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12144.920	46.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

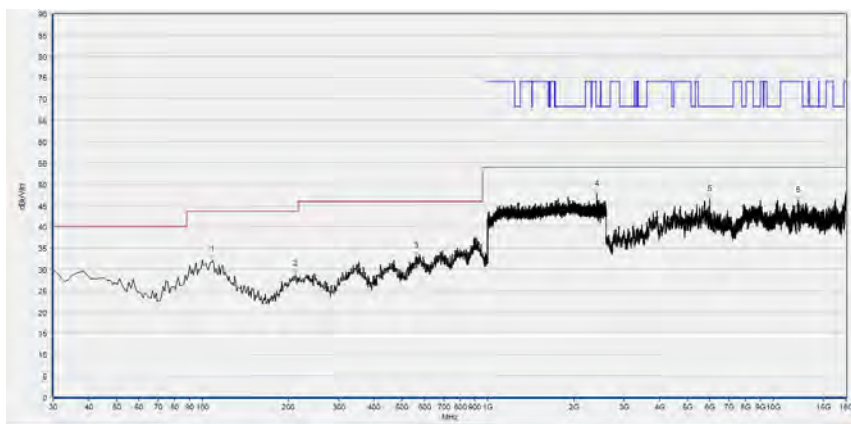
(Antenna Vertical, 30MHz to 18GHz)

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
101.780	32.62	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
347.190	32.83	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
579.990	34.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4152.320	44.57	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6314.480	45.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
16413.800	45.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

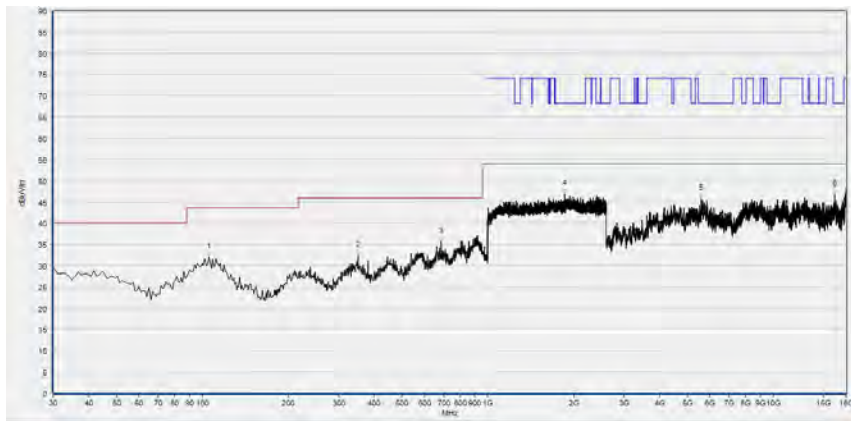
(Antenna Horizontal, 30MHz to 18GHz)



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	32.12	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
211.390	28.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
559.620	33.05	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2410.133	47.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5981.840	46.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12206.520	46.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

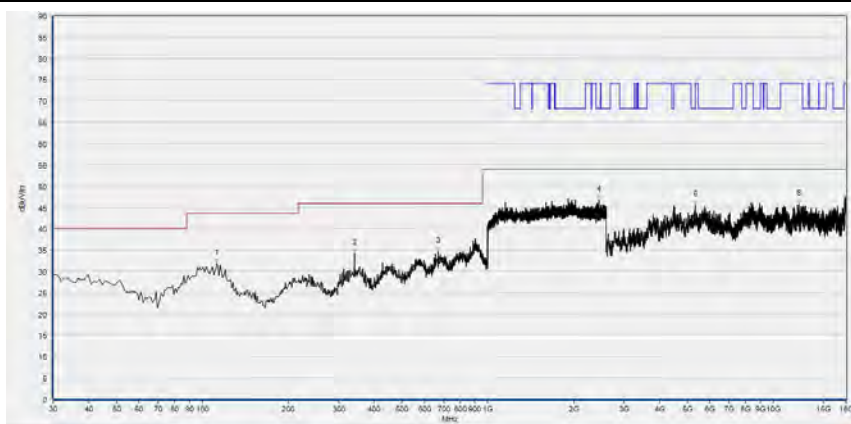
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	31.94	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
351.070	32.41	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
687.660	35.65	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1856.533	46.98	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5603.000	45.73	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
16383.000	46.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

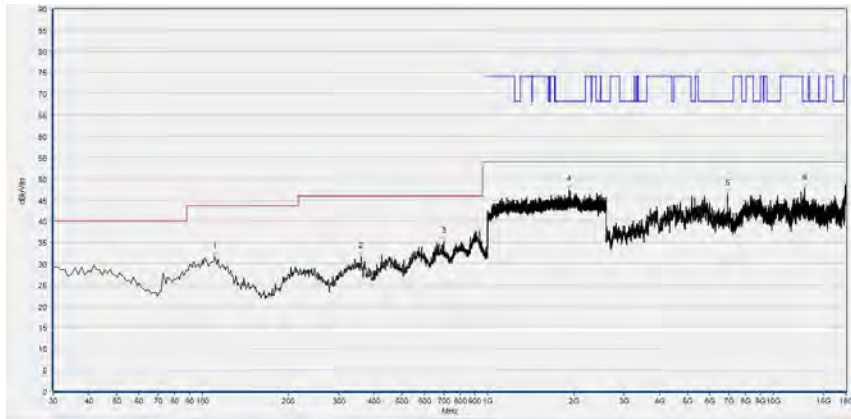
(Antenna Horizontal, 30MHz to 18GHz)



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	31.92	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
341.370	34.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
670.200	34.61	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2448.533	46.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5331.960	45.65	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12298.920	45.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

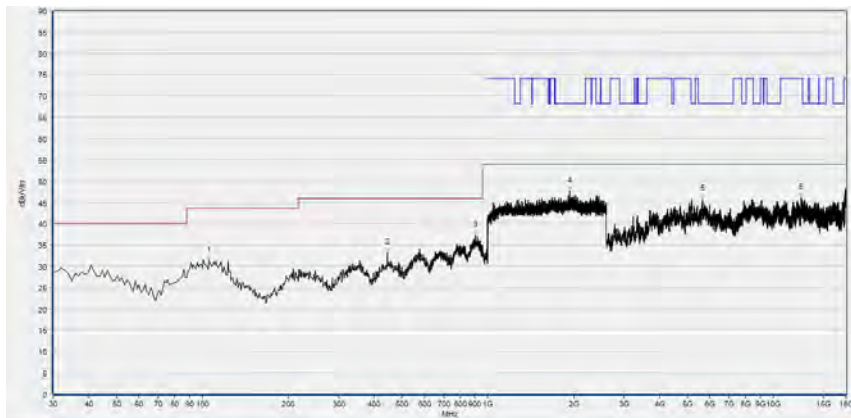
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	31.66	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
359.800	31.61	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
700.270	35.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1926.933	47.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6905.840	46.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12884.120	47.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

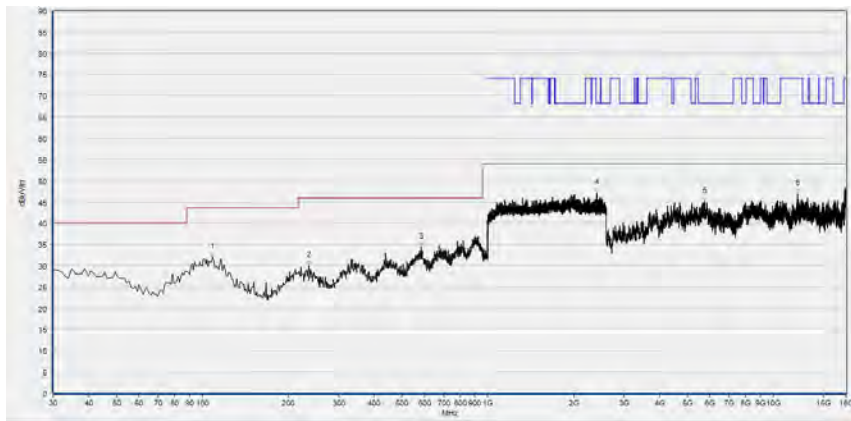
(Antenna Horizontal, 30MHz to 18GHz)



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	31.27	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
444.190	33.11	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
903.970	37.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1932.800	47.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5649.200	45.75	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12511.440	46.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

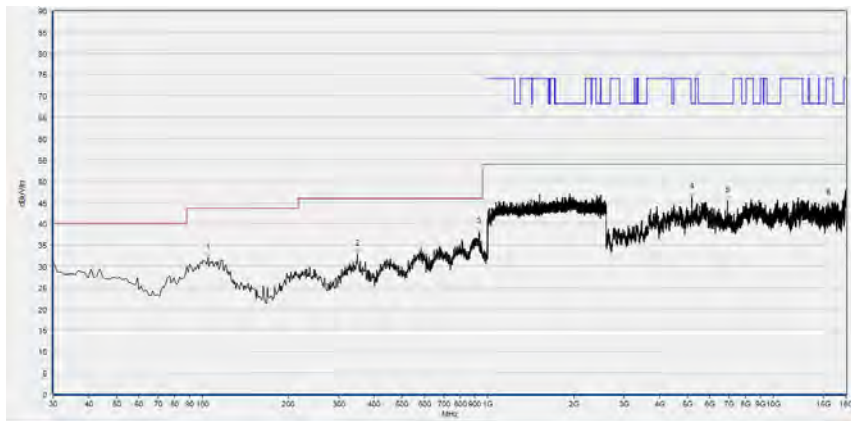
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	31.98	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
235.640	30.05	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
584.840	34.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2406.933	47.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5747.760	45.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12144.920	46.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



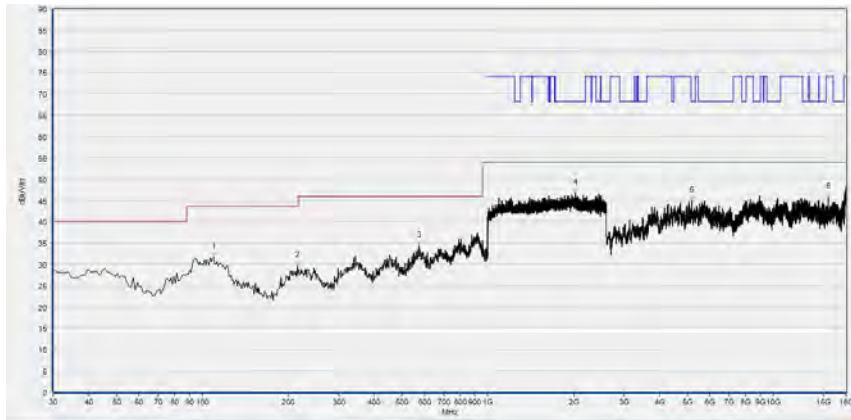
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	31.94	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
349.130	32.92	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
929.190	38.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5177.960	46.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6905.840	45.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
15597.600	44.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



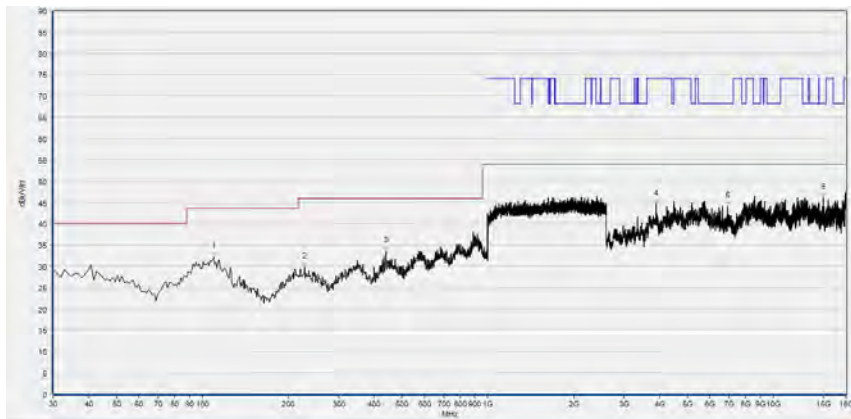
802.11ac (VHT80) Mode

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	31.73	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
215.270	29.63	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
575.140	34.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2028.267	46.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5177.960	44.93	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
15616.080	45.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

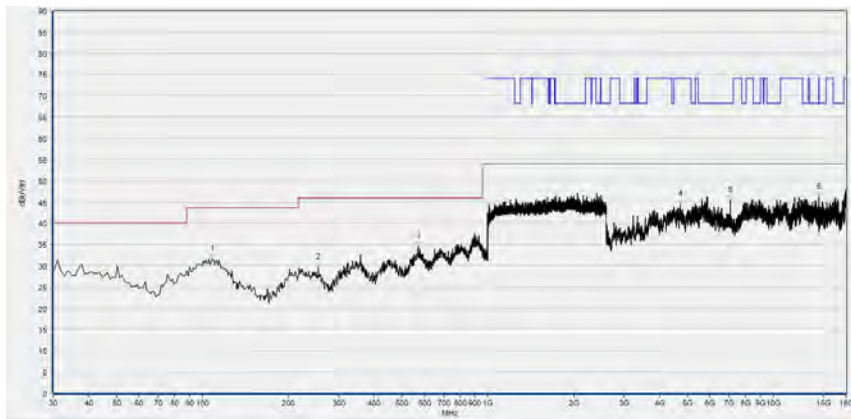
(Antenna Horizontal, 30MHz to 18GHz)



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
109.540	32.19	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
227.880	29.90	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
439.340	33.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
3893.600	44.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6905.840	44.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
15003.160	46.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

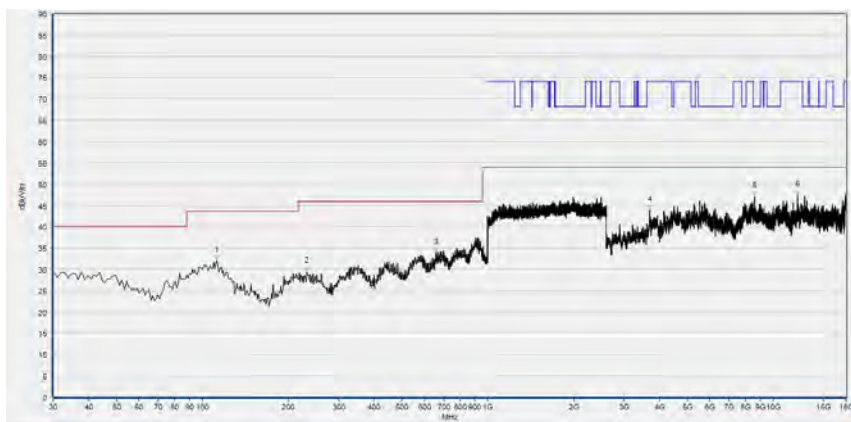
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	31.51	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
255.040	29.54	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
569.320	34.59	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4715.960	44.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7078.320	45.45	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14451.840	46.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

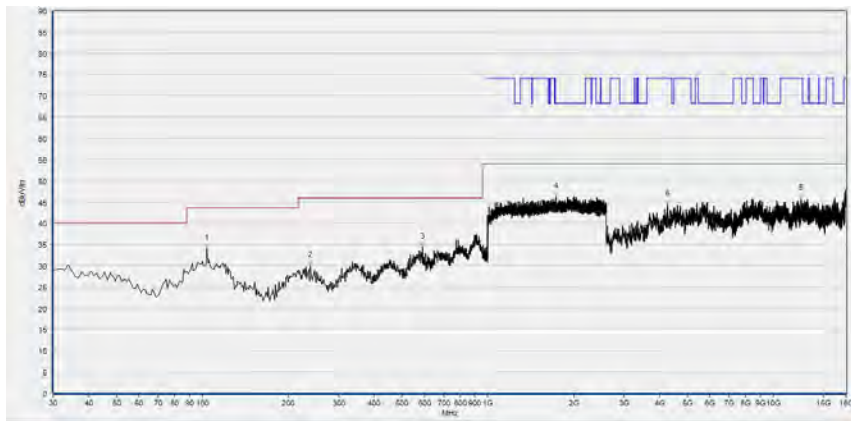
(Antenna Horizontal, 30MHz to 18GHz)



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	32.05	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
232.730	29.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
659.530	33.90	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
3696.480	43.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8584.440	47.15	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12160.320	47.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

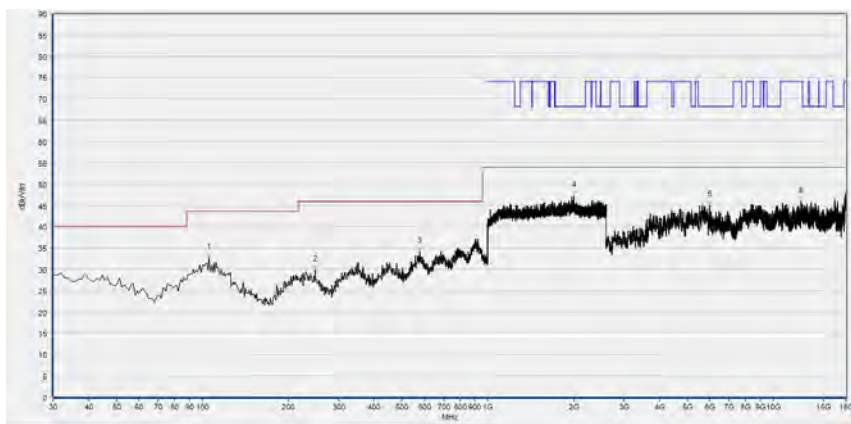
(Antenna Vertical, 30MHz to 18GHz)

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
103.720	34.05	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
239.520	29.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
591.630	34.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1729.600	46.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4272.440	44.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12523.760	45.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

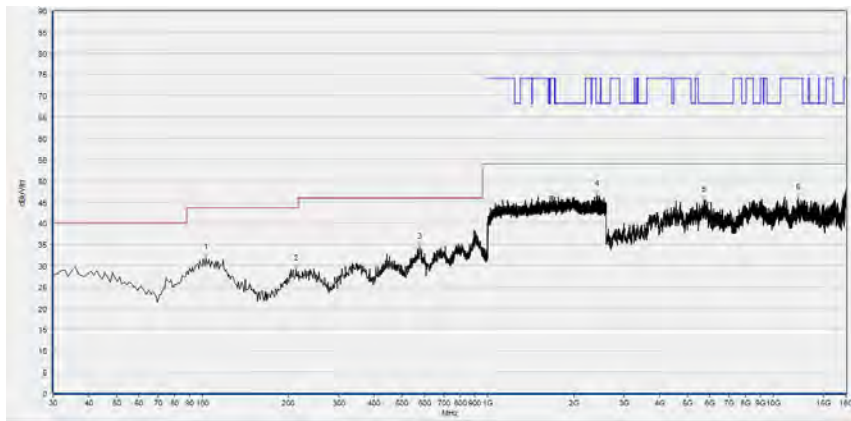
(Antenna Horizontal, 30MHz to 18GHz)



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	32.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
248.250	29.89	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
578.050	34.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2002.667	47.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5994.160	45.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12499.120	45.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

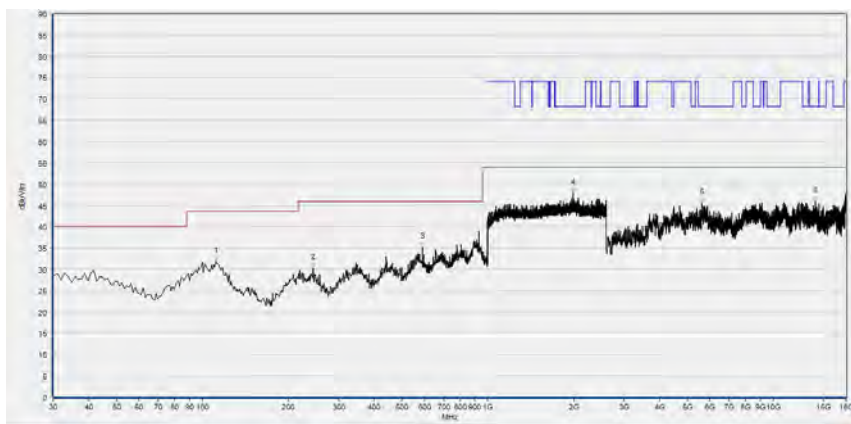
(Antenna Vertical, 30MHz to 18GHz)

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
102.750	31.87	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
212.360	29.21	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
577.080	34.42	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2410.667	46.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5732.360	45.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12206.520	45.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

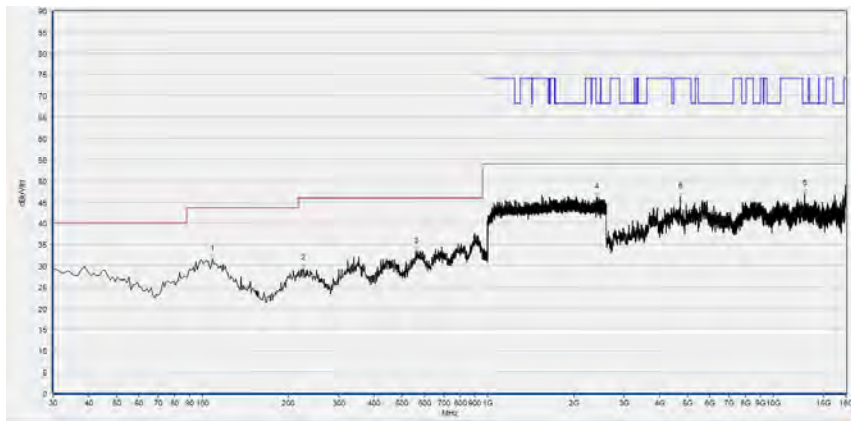
(Antenna Horizontal, 30MHz to 18GHz)



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	31.88	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
244.370	30.36	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
589.690	35.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1992.000	47.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5621.480	45.58	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14051.440	45.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

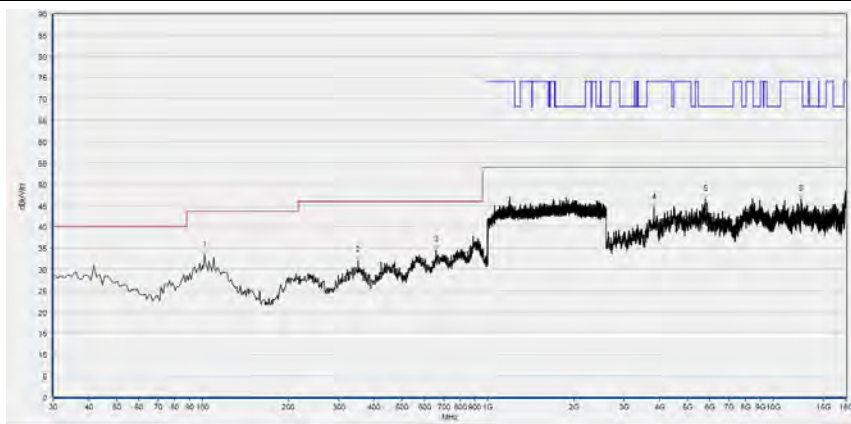
(Antenna Vertical, 30MHz to 18GHz)

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	31.59	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
225.940	29.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
560.590	33.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2412.267	46.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4719.040	46.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12914.920	46.93	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

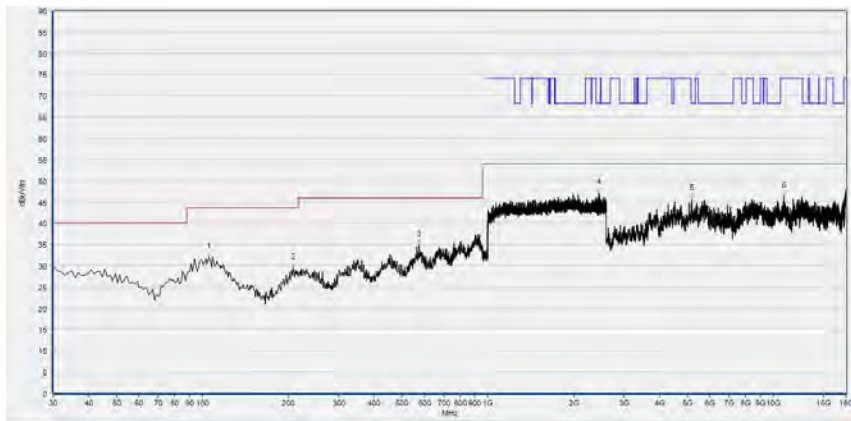
(Antenna Horizontal, 30MHz to 18GHz)



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	33.27	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
351.070	31.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
658.560	34.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
3813.520	44.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5769.320	46.40	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12536.080	46.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

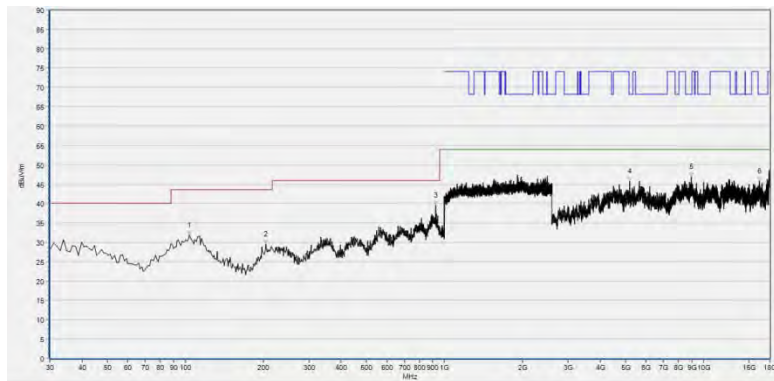
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	32.02	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
208.480	29.54	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
575.140	34.79	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2453.867	47.06	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5181.040	45.81	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10875.960	46.46	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
103.720	31.88	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
204.600	29.43	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
923.370	39.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5181.040	45.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8972.520	46.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16426.120	45.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

————— END OF REPORT —————