

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

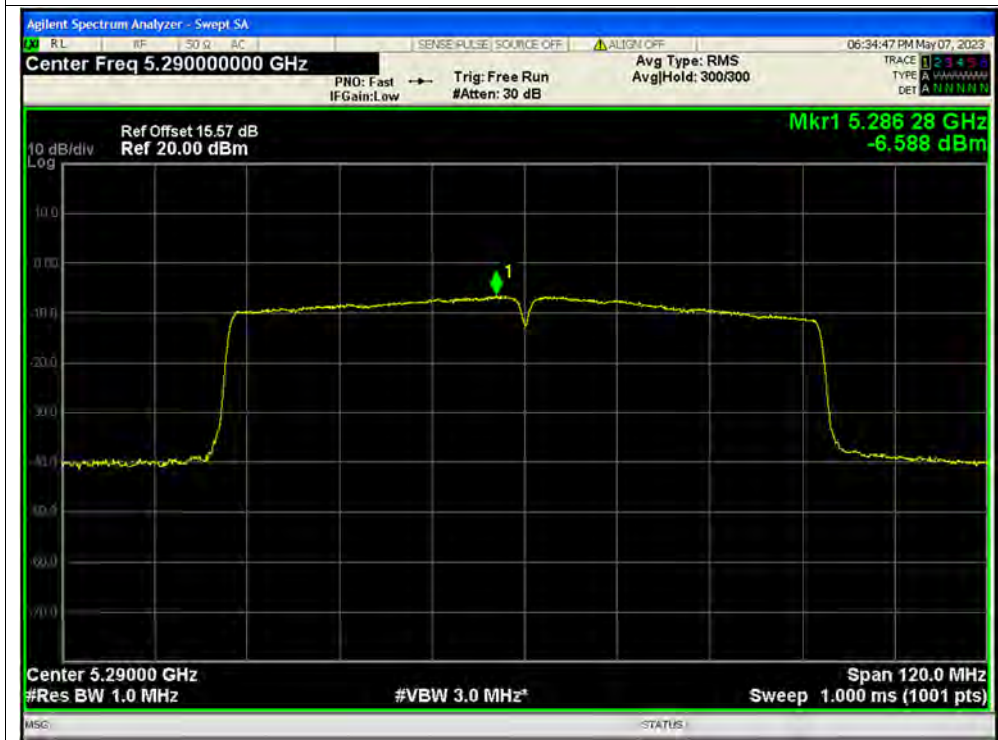


PSD NVNT ac80 5210MHz Ant1

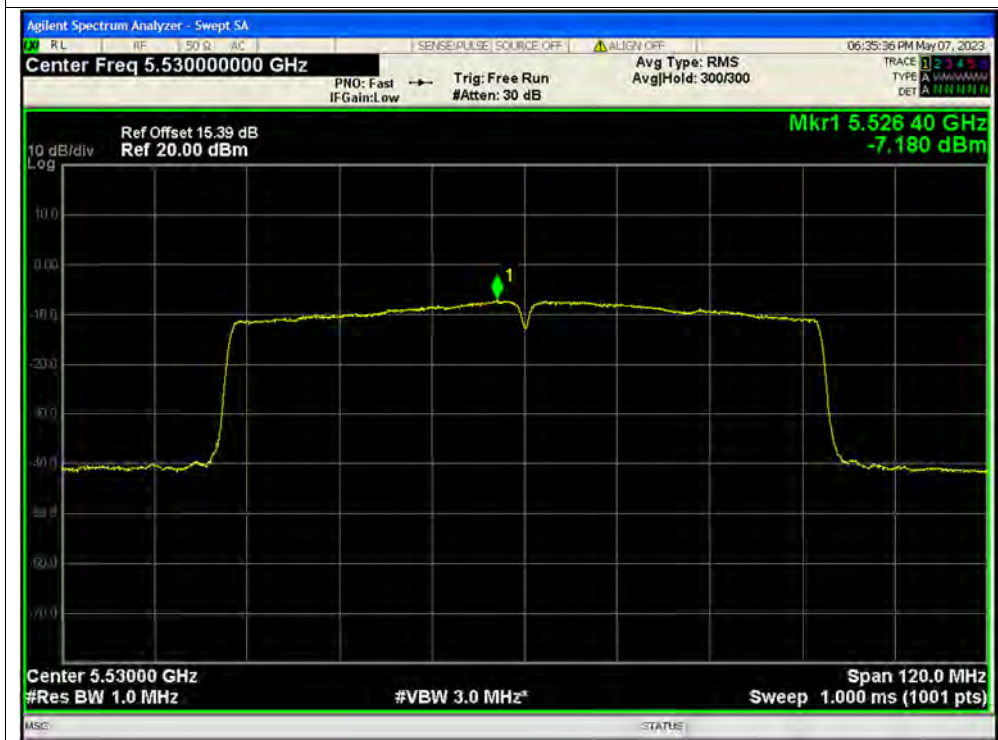




PSD NVNT ac80 5290MHz Ant1



PSD NVNT ac80 5530MHz Ant1

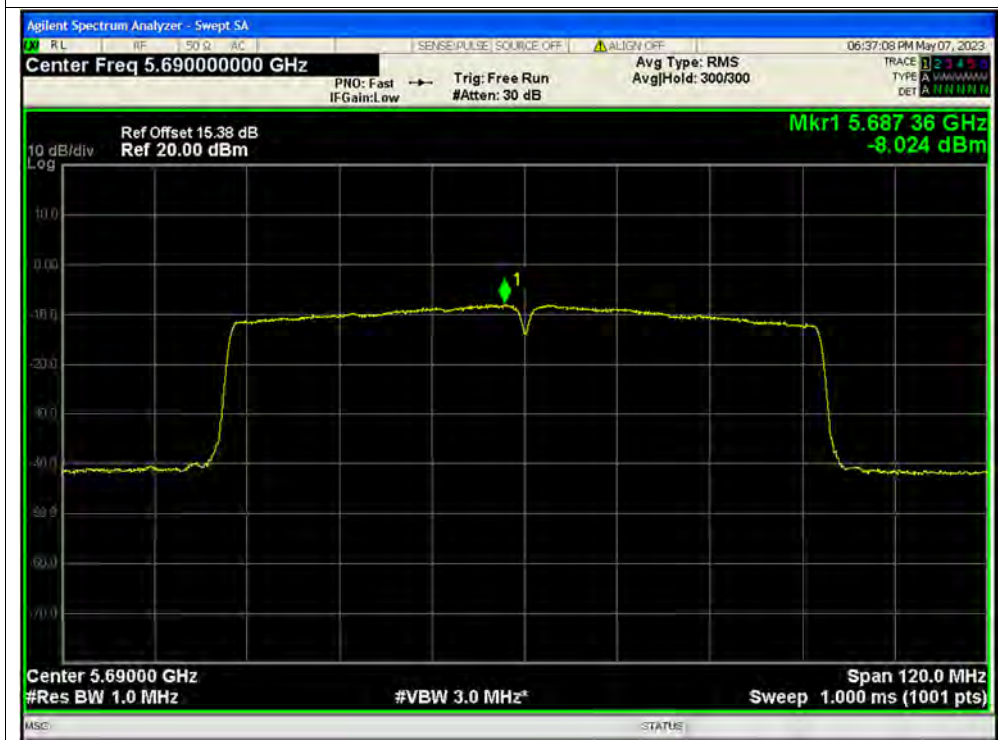


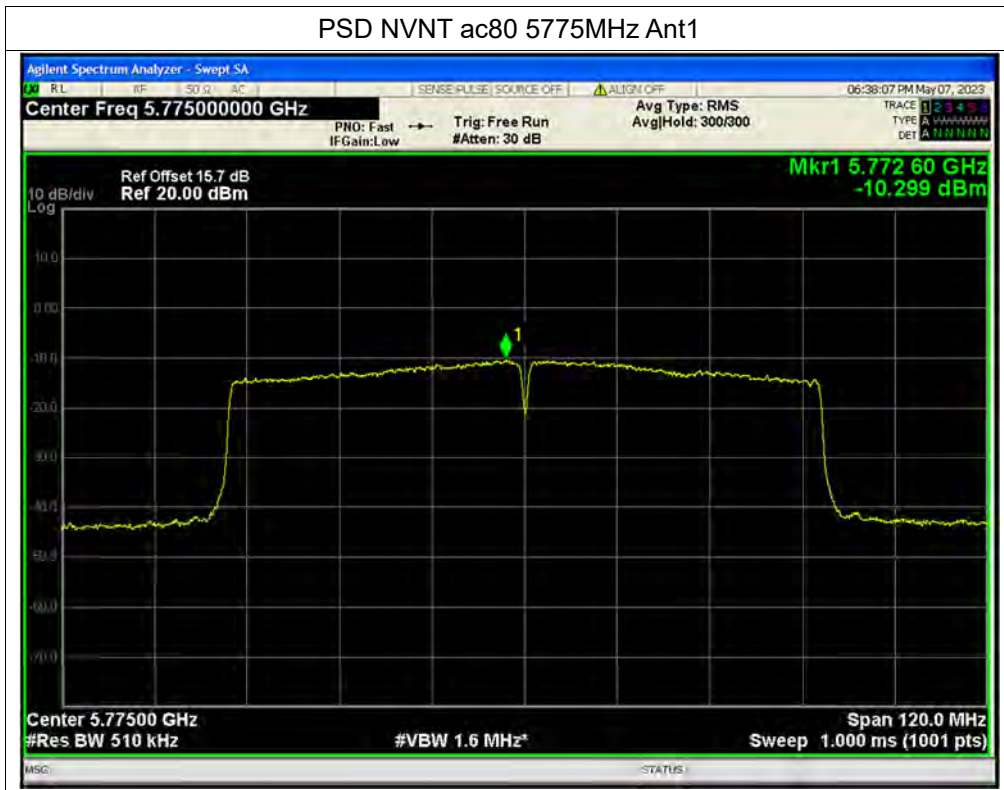


PSD NVNT ac80 5610MHz Ant1



PSD NVNT ac80 5690MHz Ant1





**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.5V	Unmodulated	5180	Ant1	5179.974	-26000	-5.02	25	Pass
20C 4.35V	Unmodulated	5180	Ant1	5179.973	-27000	-5.21	25	Pass
-10C 3.8V	Unmodulated	5180	Ant1	5179.973	-27000	-5.21	25	Pass
0C 3.8V	Unmodulated	5180	Ant1	5179.973	-27000	-5.21	25	Pass
10C 3.8V	Unmodulated	5180	Ant1	5179.973	-27000	-5.21	25	Pass
20C 3.8V	Unmodulated	5180	Ant1	5179.973	-27000	-5.21	25	Pass
30C 3.8V	Unmodulated	5180	Ant1	5179.973	-27000	-5.21	25	Pass
40C 3.8V	Unmodulated	5180	Ant1	5179.973	-27000	-5.21	25	Pass
50C 3.8V	Unmodulated	5180	Ant1	5179.973	-27000	-5.21	25	Pass
20C 3.5V	Unmodulated	5260	Ant1	5259.973	-27000	-5.13	25	Pass
20C 4.35V	Unmodulated	5260	Ant1	5259.973	-27000	-5.13	25	Pass
-10C 3.8V	Unmodulated	5260	Ant1	5259.973	-27000	-5.13	25	Pass
0C 3.8V	Unmodulated	5260	Ant1	5259.973	-27000	-5.13	25	Pass
10C 3.8V	Unmodulated	5260	Ant1	5259.973	-27000	-5.13	25	Pass
20C 3.8V	Unmodulated	5260	Ant1	5259.973	-27000	-5.13	25	Pass
30C 3.8V	Unmodulated	5260	Ant1	5259.973	-27000	-5.13	25	Pass
40C 3.8V	Unmodulated	5260	Ant1	5259.973	-27000	-5.13	25	Pass
50C 3.8V	Unmodulated	5260	Ant1	5259.973	-27000	-5.13	25	Pass
20C 3.5V	Unmodulated	5500	Ant1	5499.972	-28000	-5.09	25	Pass
20C 4.35V	Unmodulated	5500	Ant1	5499.972	-28000	-5.09	25	Pass
-10C 3.8V	Unmodulated	5500	Ant1	5499.972	-28000	-5.09	25	Pass
0C 3.8V	Unmodulated	5500	Ant1	5499.972	-28000	-5.09	25	Pass
10C 3.8V	Unmodulated	5500	Ant1	5499.972	-28000	-5.09	25	Pass
20C 3.8V	Unmodulated	5500	Ant1	5499.972	-28000	-5.09	25	Pass
30C 3.8V	Unmodulated	5500	Ant1	5499.972	-28000	-5.09	25	Pass
40C 3.8V	Unmodulated	5500	Ant1	5499.972	-28000	-5.09	25	Pass
50C 3.8V	Unmodulated	5500	Ant1	5499.972	-28000	-5.09	25	Pass
20C 3.5V	Unmodulated	5745	Ant1	5744.97	-30000	-5.22	25	Pass
20C 4.35V	Unmodulated	5745	Ant1	5744.97	-30000	-5.22	25	Pass
-10C 3.8V	Unmodulated	5745	Ant1	5744.97	-30000	-5.22	25	Pass





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0C 3.8V	Unmodulated	5745	Ant1	5744.97	-30000	-5.22	25	Pass
10C 3.8V	Unmodulated	5745	Ant1	5744.97	-30000	-5.22	25	Pass
20C 3.8V	Unmodulated	5745	Ant1	5744.97	-30000	-5.22	25	Pass
30C 3.8V	Unmodulated	5745	Ant1	5744.97	-30000	-5.22	25	Pass
40C 3.8V	Unmodulated	5745	Ant1	5744.97	-30000	-5.22	25	Pass
50C 3.8V	Unmodulated	5745	Ant1	5744.97	-30000	-5.22	25	Pass

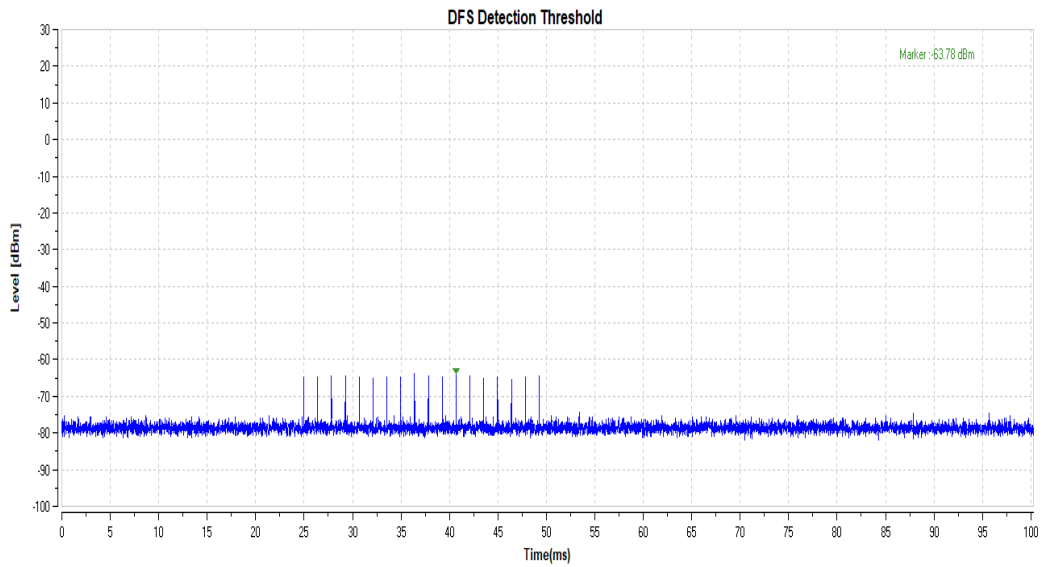


### A.6. Dynamic Frequency Selection

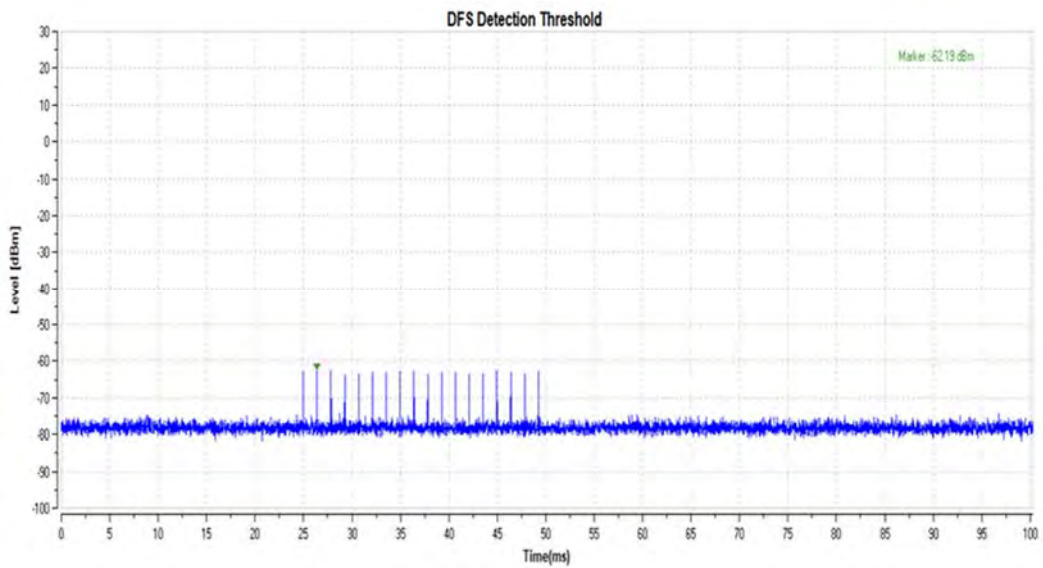
#### Detection Thresholds

Mode	Frequency (MHz)	Radar Type	Result	Limit[dbm]	Verdict
a	5320	Reference	-63.78	-59.00	PASS
a	5500	Reference	-62.19	-59.00	PASS
ac80	5290	Reference	-63.39	-59.00	PASS
ac80	5530	Reference	-63.20	-59.00	PASS

11AC20SISO\_5320\_Reference

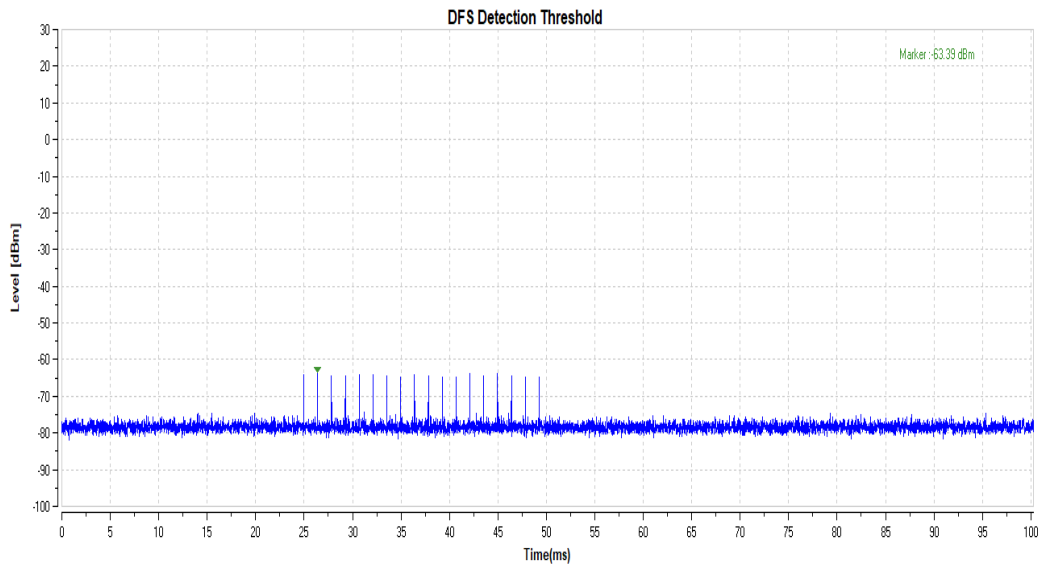


11AC20SISO\_5500\_Reference

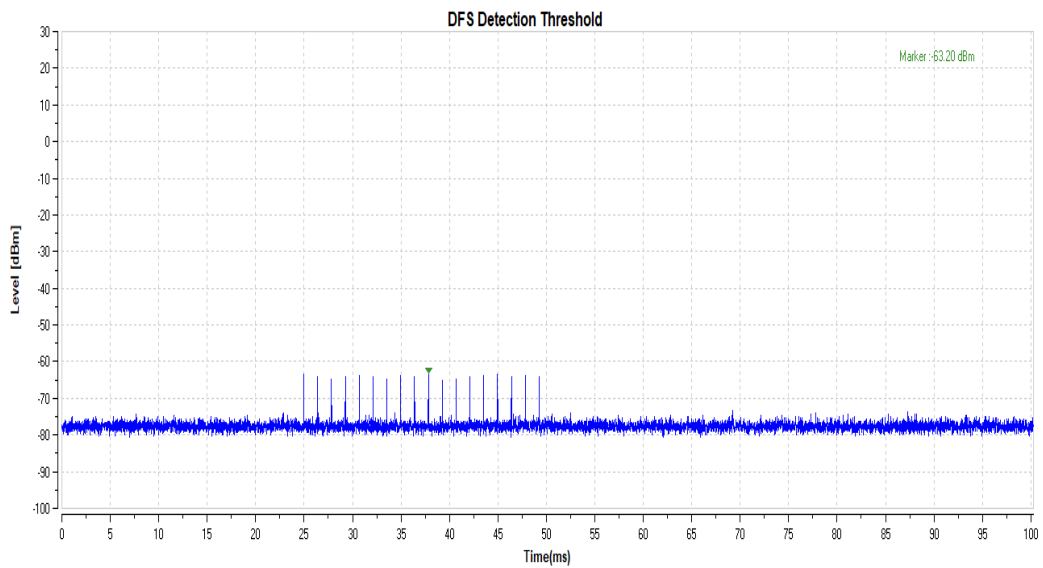




11AC80SISO\_5290\_Reference



11AC80SISO\_5530\_Reference





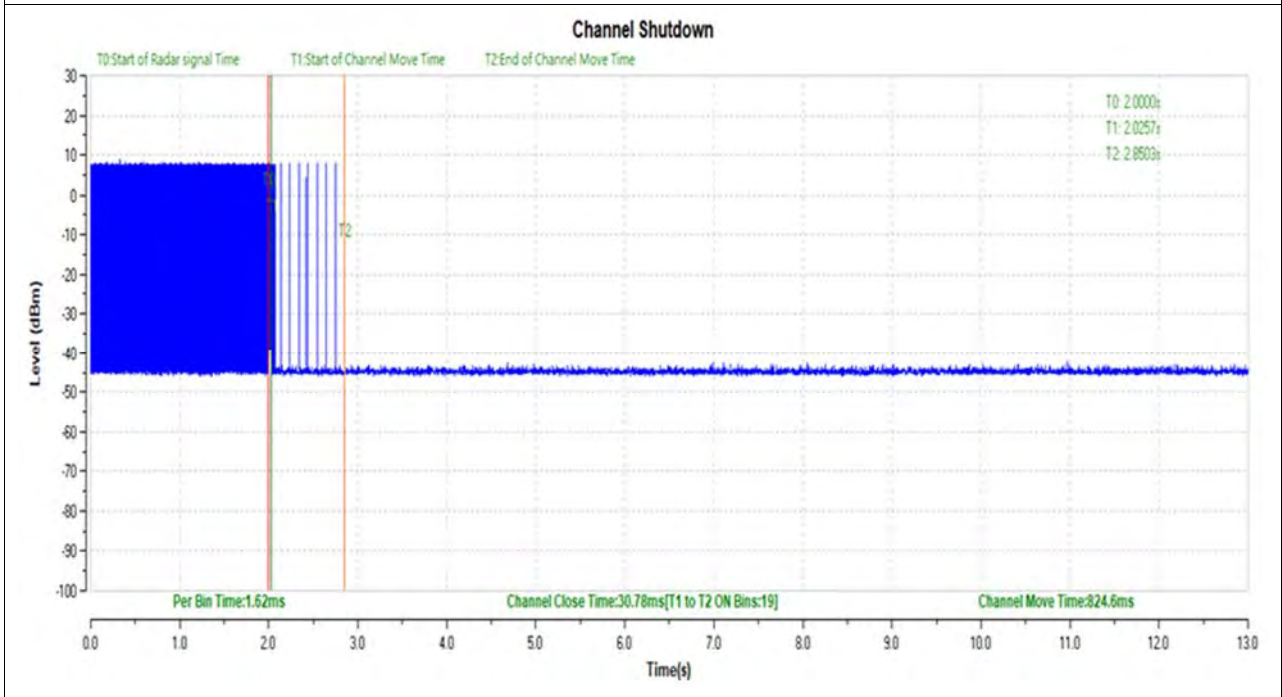
Channel Move Time and Channel Closing Transmission Time

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC20SISO	5320	30.78	1000	824.6	10000	PASS
	5500	45.36	1000	894.4	10000	PASS
11AC80SISO	5290	22.68	1000	803.4	10000	PASS
	5530	84.24	1000	868.4	10000	PASS

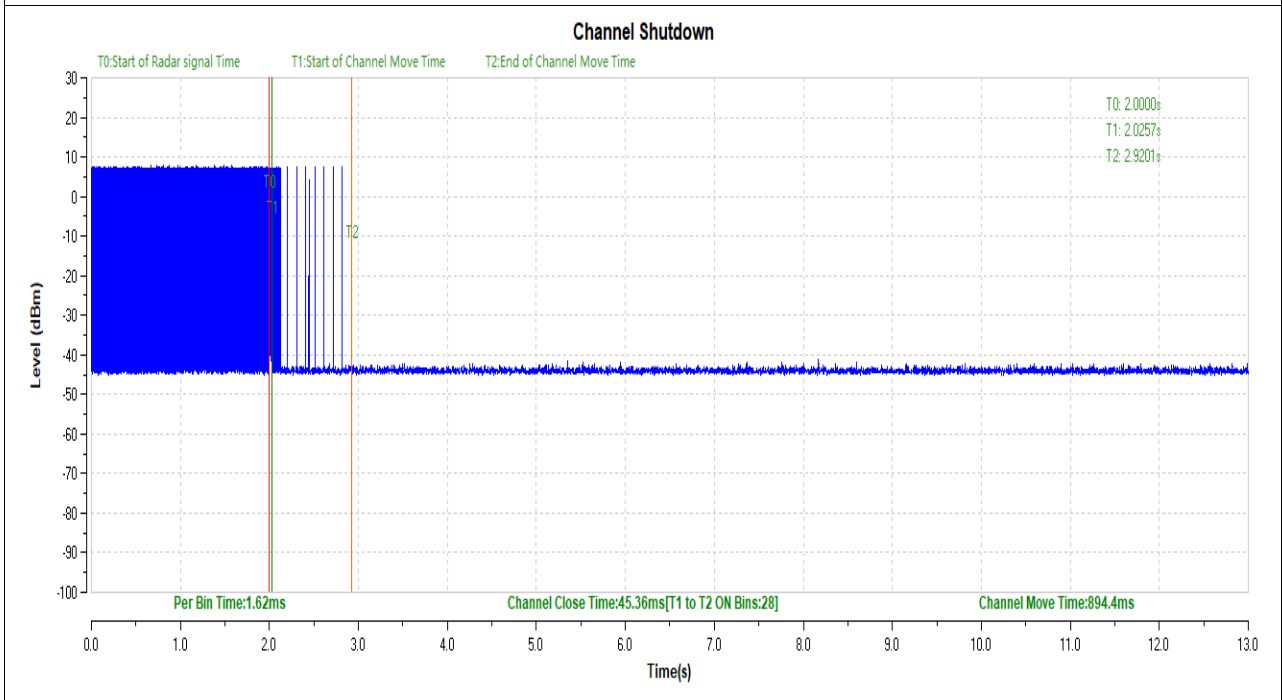


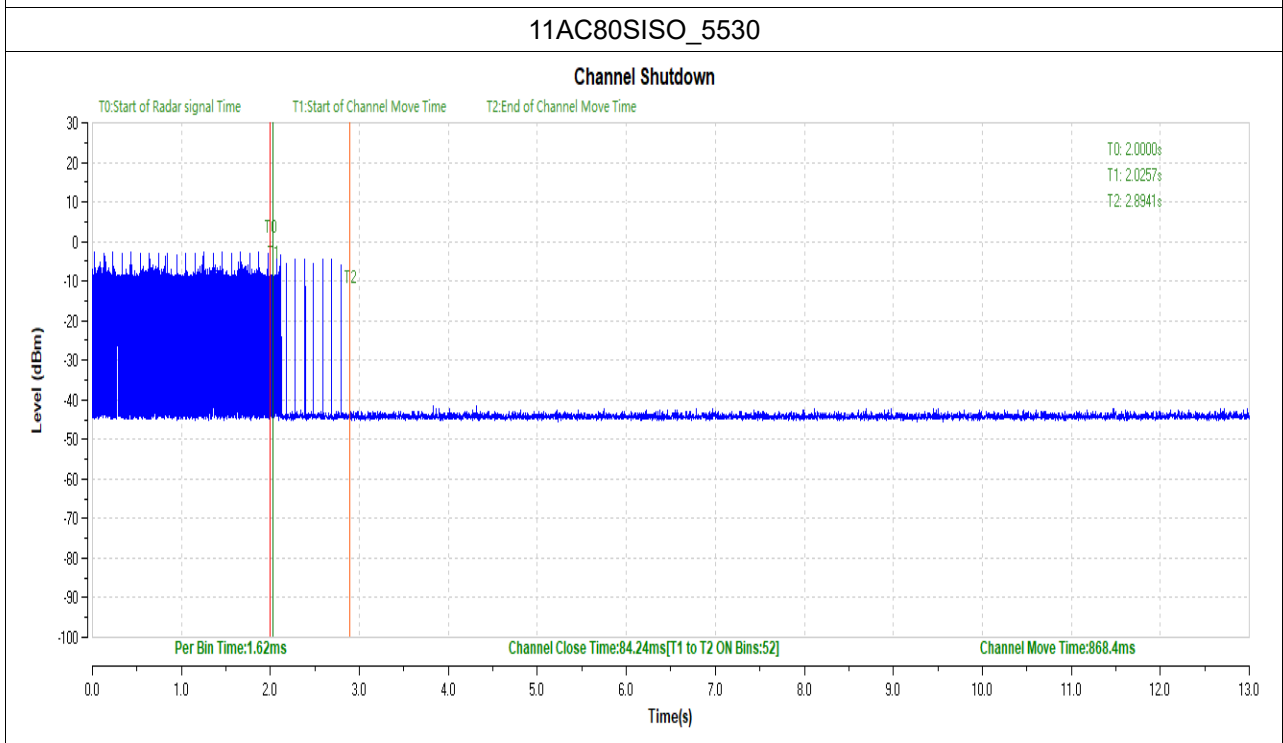
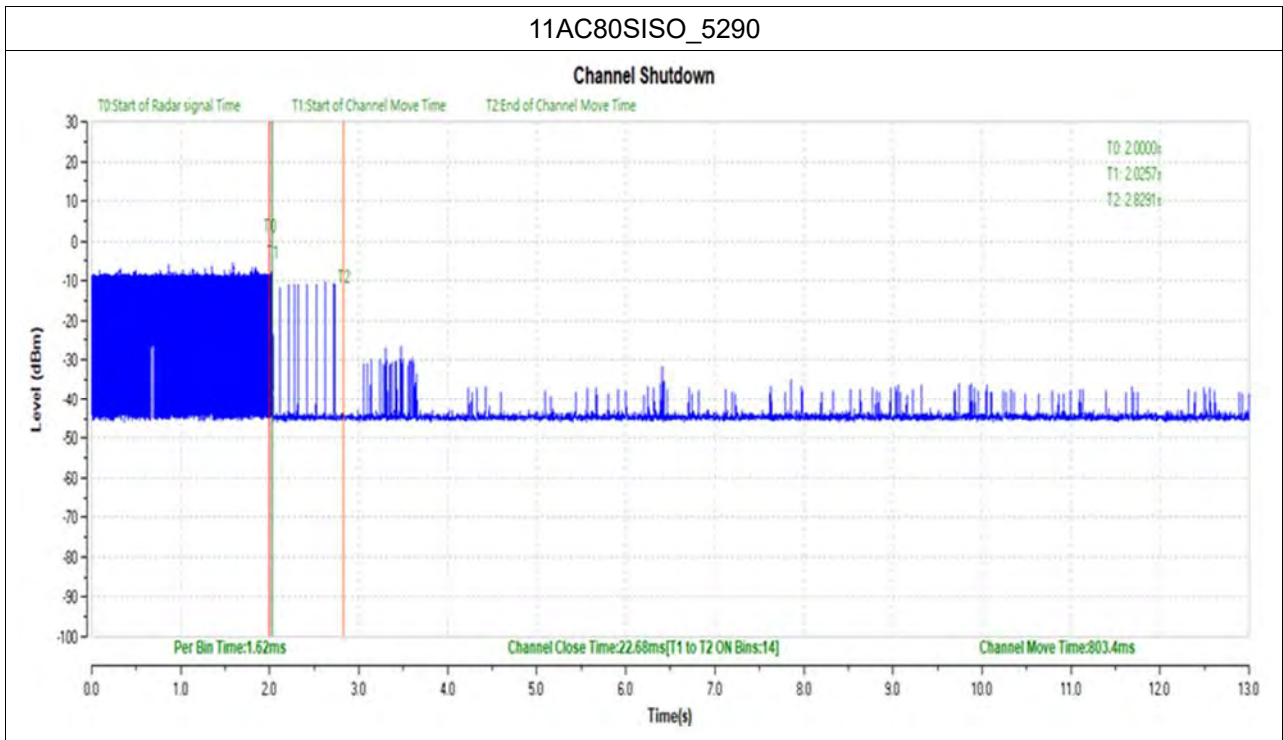
Test Graphs

11AC20SISO\_5320



11AC20SISO\_5500

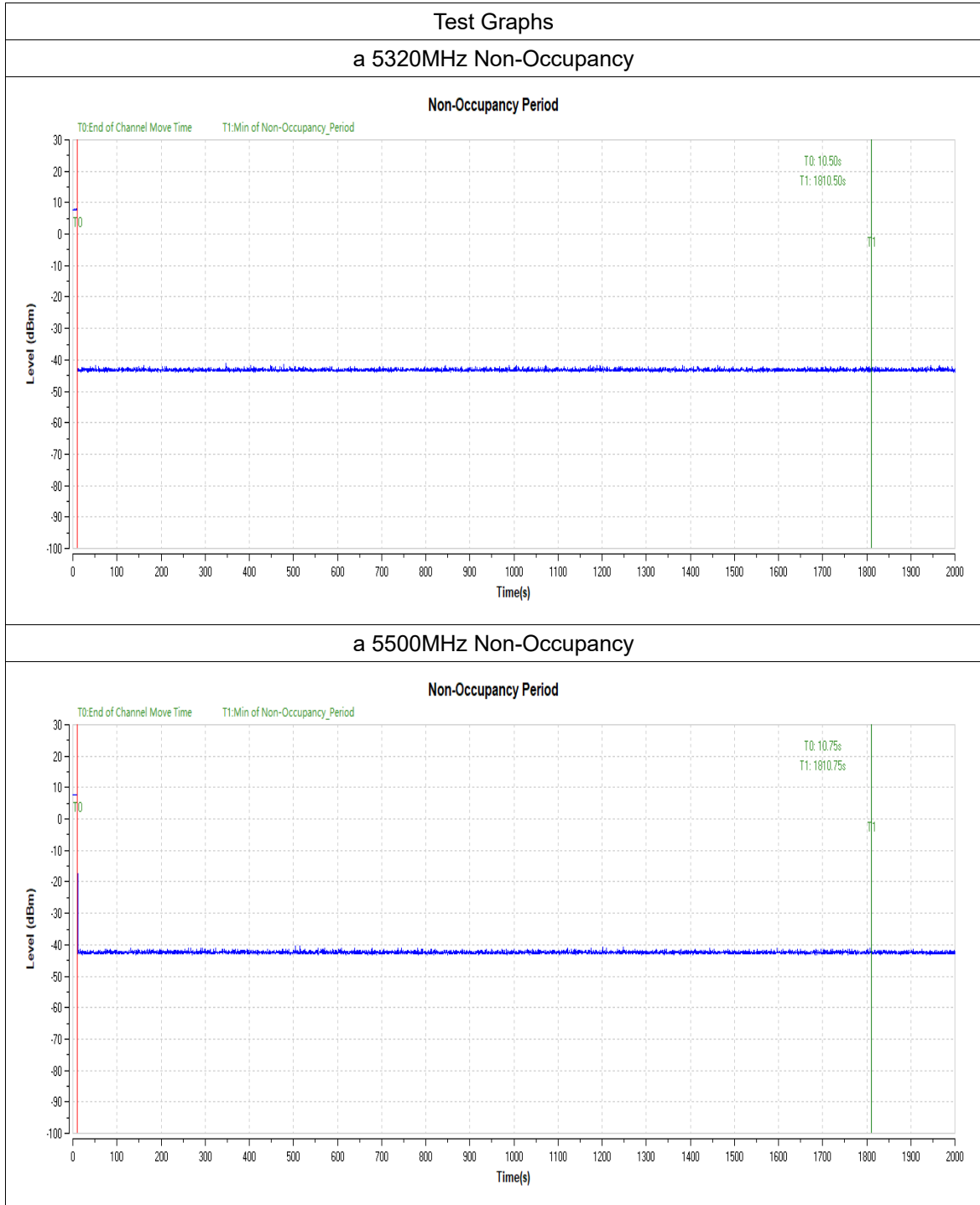






Non-Occupancy Period

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 + USB Cable + Earphone + WIFI TX

Test voltage: AC 120V/60Hz

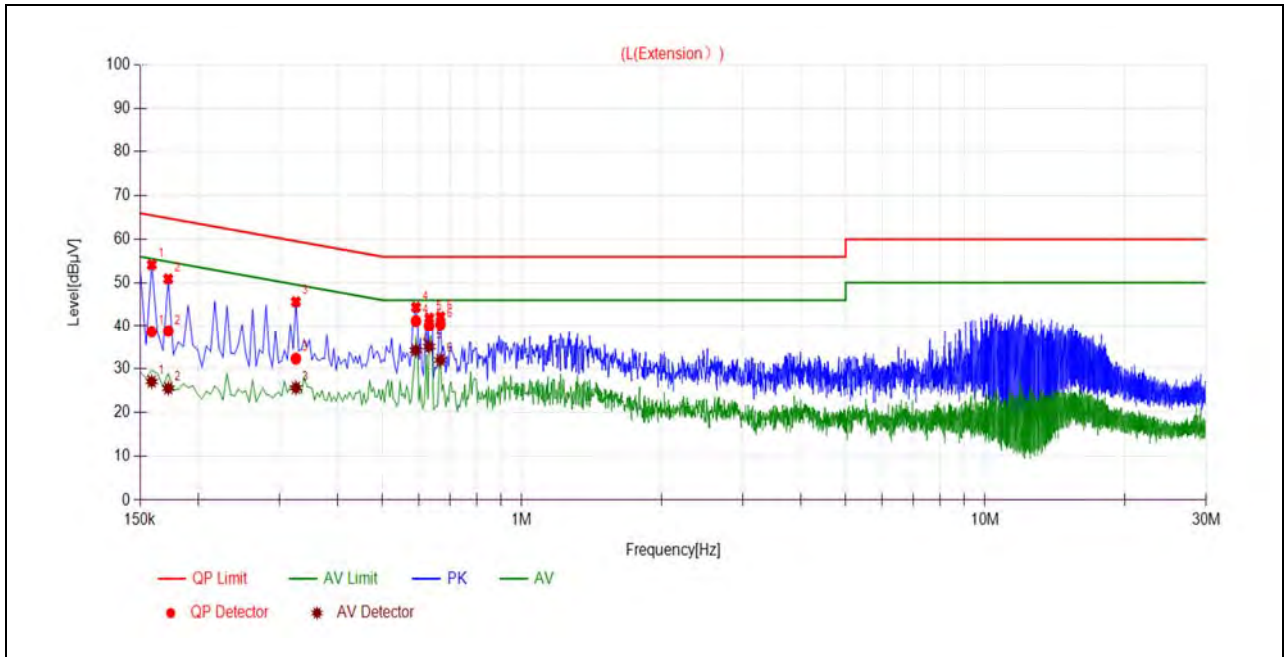
The measurement results are obtained as below:

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

$U_R$ : Receiver Reading

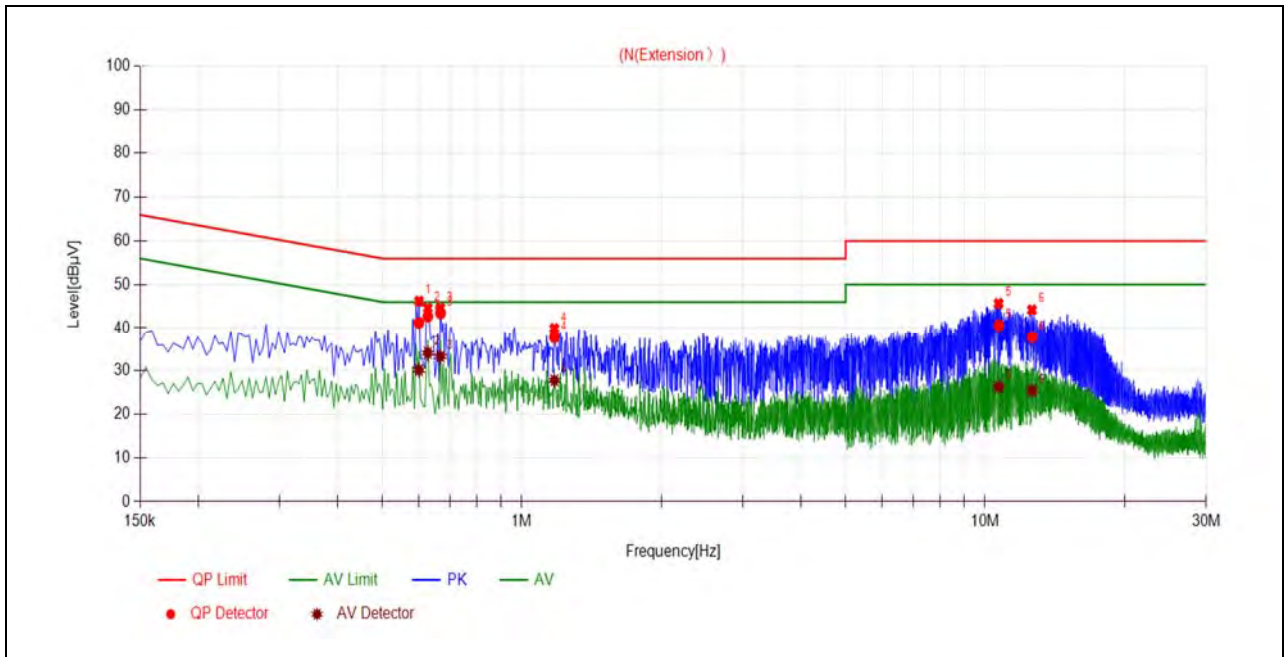
$A_{\text{Factor}}$ : Voltage division factor of LISN

**B. Test Plot:**



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1589	38.61	27.09	65.52	55.52	Line	PASS
2	0.1726	38.78	25.53	64.83	54.83		PASS
3	0.3254	32.33	25.63	59.57	49.57		PASS
4	0.5908	41.17	34.26	56.00	46.00		PASS
5	0.6309	40.04	35.09	56.00	46.00		PASS
6	0.6671	40.40	32.01	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	0.5997	41.21	30.16	56.00	46.00	Neutral	PASS
2	0.6269	42.70	34.11	56.00	46.00		PASS
3	0.6675	43.40	33.30	56.00	46.00		PASS
4	1.1757	37.76	27.79	56.00	46.00		PASS
5	10.7021	40.57	26.31	60.00	50.00		PASS
6	12.6350	37.82	25.42	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

$G_{\text{preamp}}$ : Preamplifier Gain

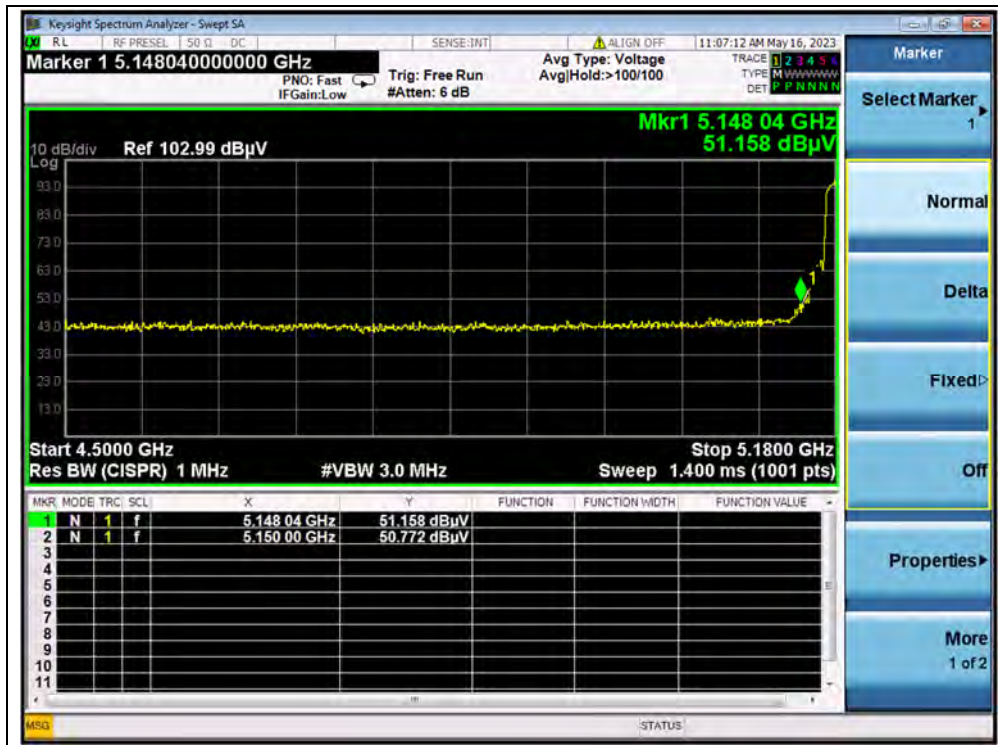
$A_{\text{Factor}}$ : Antenna Factor at 3m

**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.

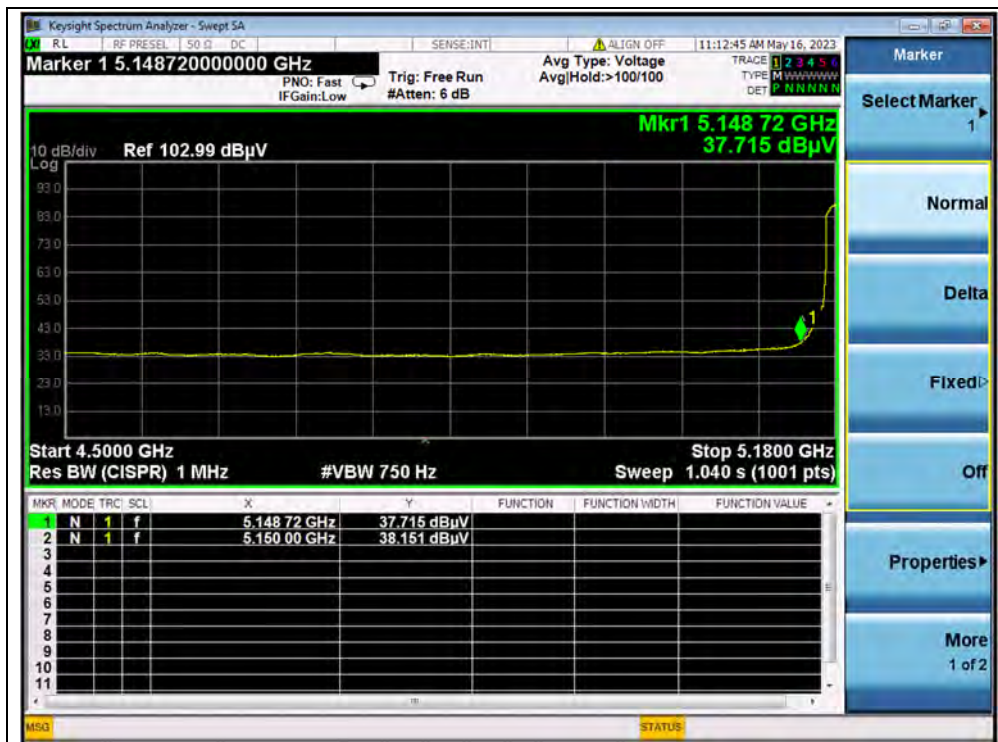
**Note 2:** All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

#### 802.11a Mode

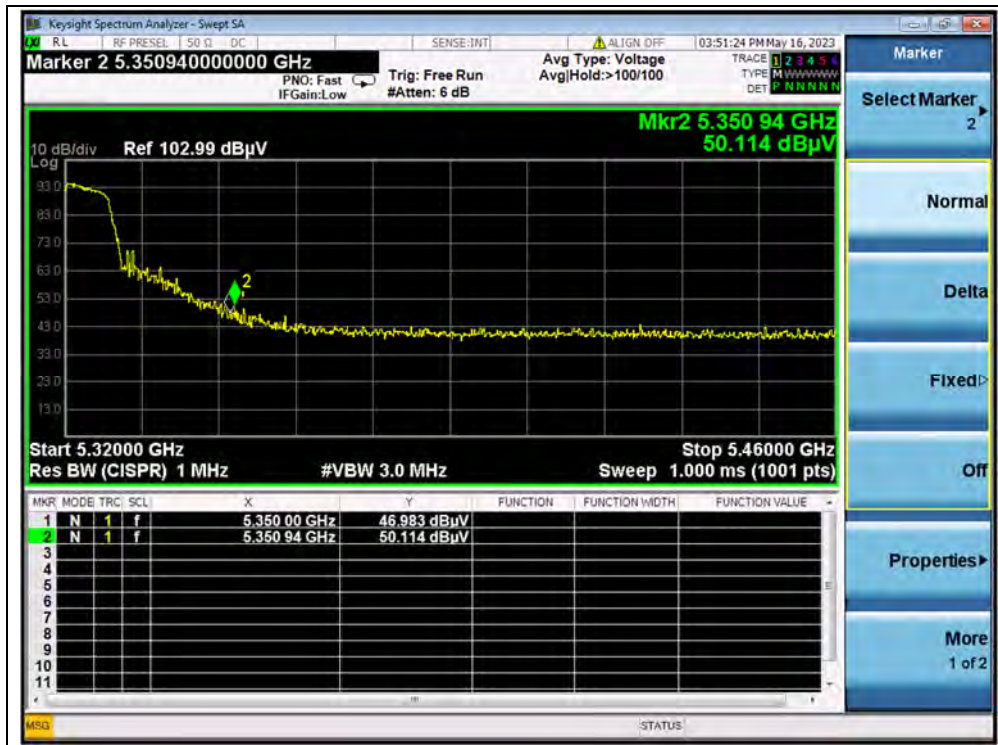
Channel	Frequency (MHz)	Detector	Receiver Reading	$A_T$ (dB)	$A_{\text{Factor}}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV	$U_R$ (dB $\mu$ V)					
36	5148.04	PK	51.16	-19.54	32.20	63.82	74	PASS
36	5150.00	AV	38.15	-19.54	32.20	50.81	54	PASS
64	5350.94	PK	50.11	-18.80	32.20	63.51	74	PASS
64	5350.00	AV	36.83	-18.80	32.20	50.23	54	PASS
100	5470.00	PK	47.54	-19.20	32.20	60.54	68.23	PASS
100	5460.00	AV	33.52	-19.20	32.20	46.52	54	PASS
144	5725.80	PK	46.61	-19.20	32.20	59.61	68.23	PASS
149	5722.44	PK	55.20	-19.01	32.20	68.39	116.39	PASS
165	5850.00	PK	57.35	-19.01	32.20	70.54	122.23	PASS



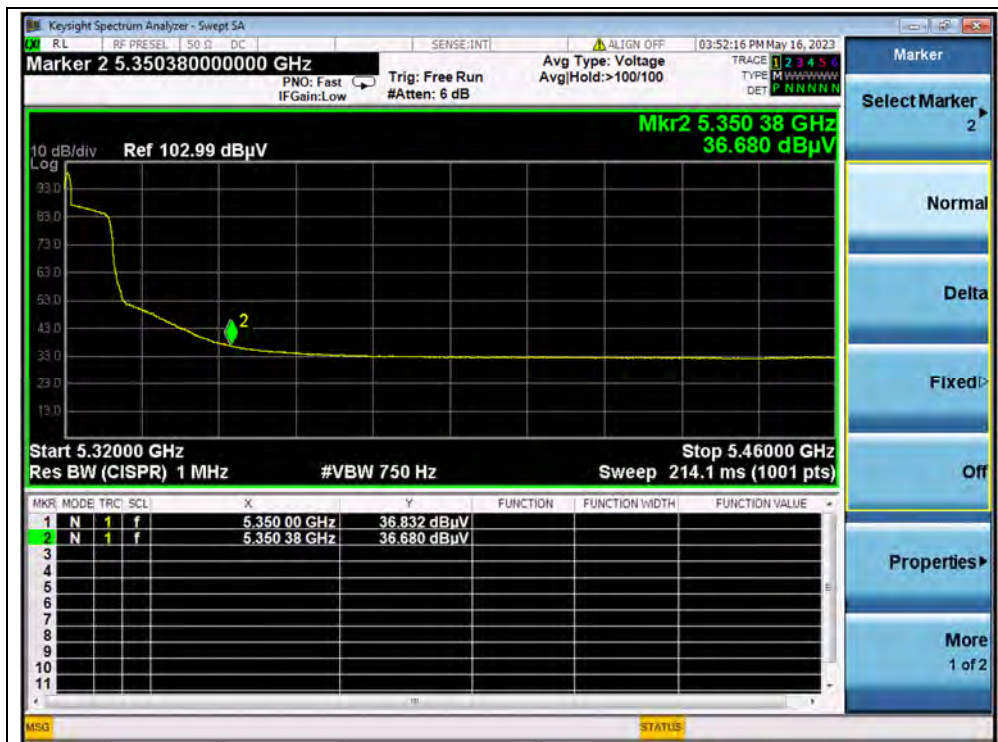
(PEAK, Channel 36, 802.11a)



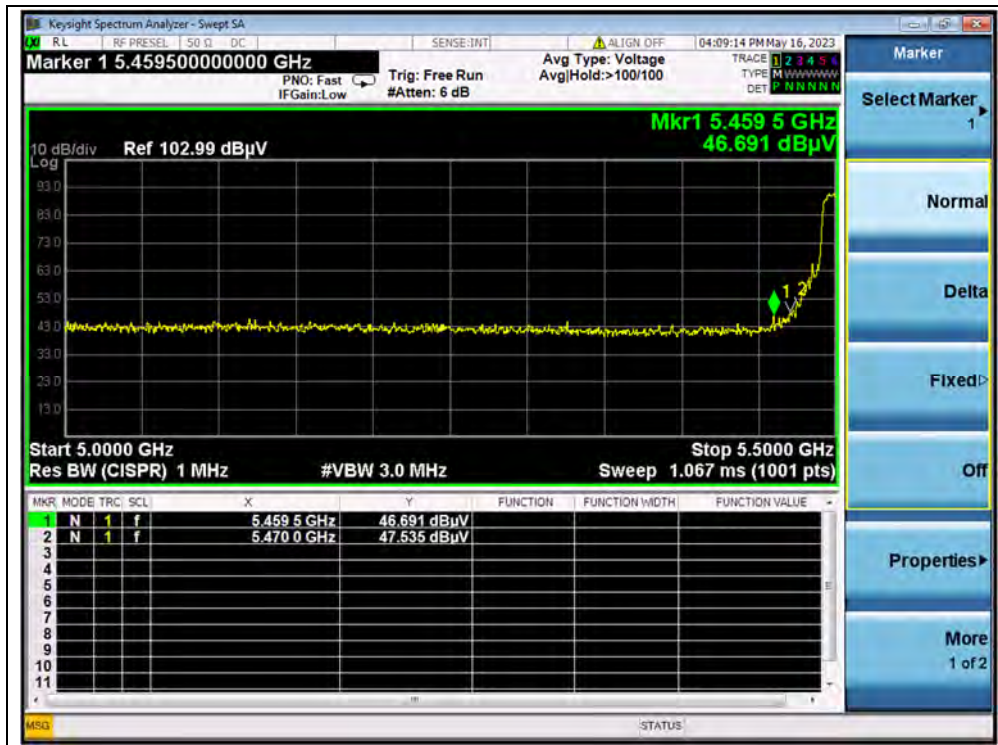
(AVERAGE, Channel 36, 802.11a)



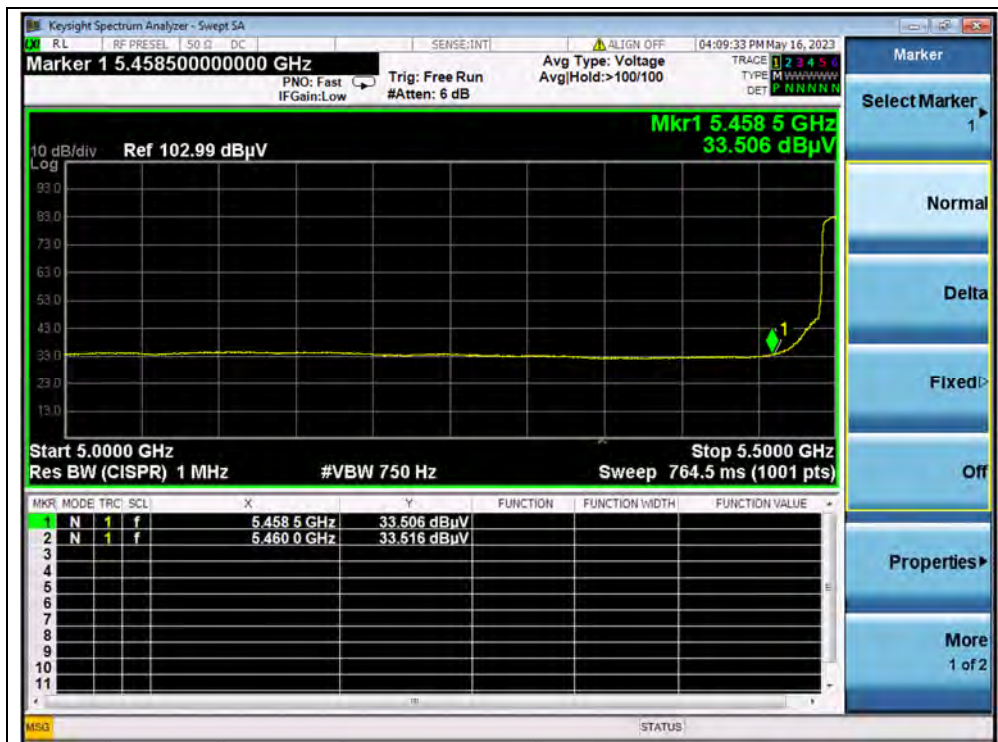
(PEAK, Channel 64, 802.11a)



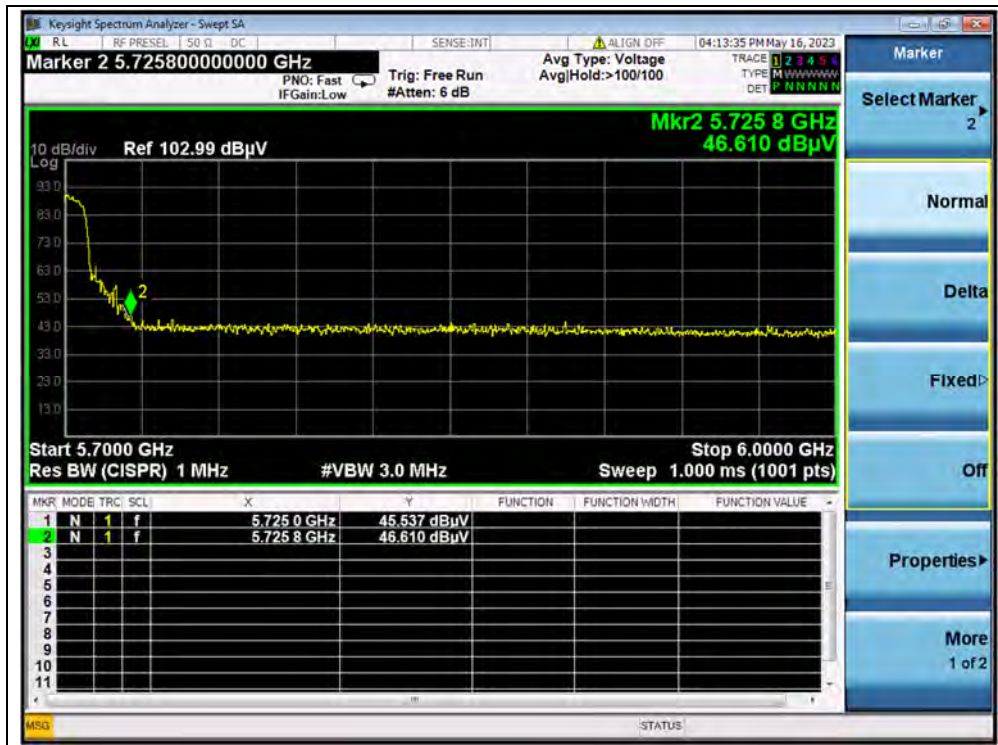
(AVERAGE, Channel 64, 802.11a)



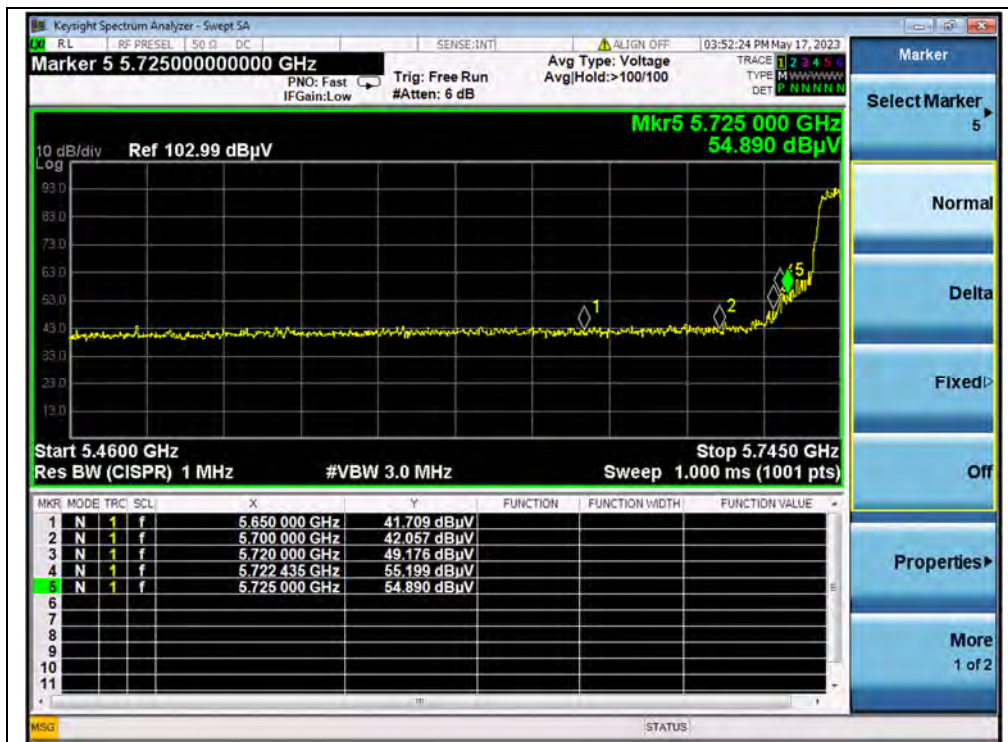
(PEAK, Channel 100, 802.11a)



(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)



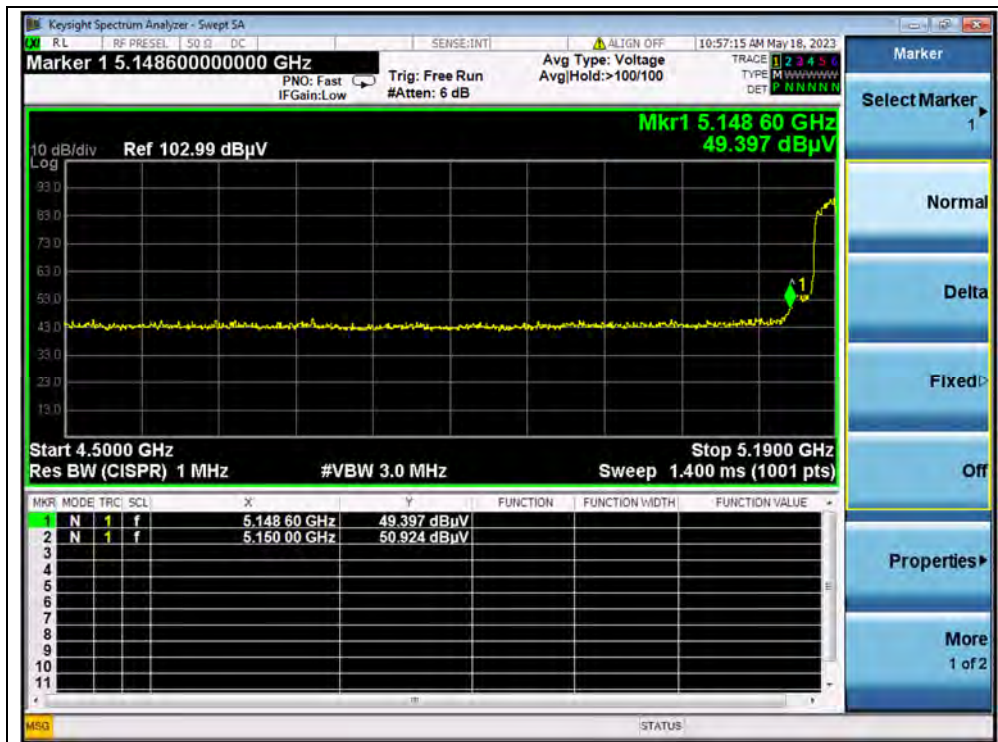


(PEAK, Channel 165, 802.11a)

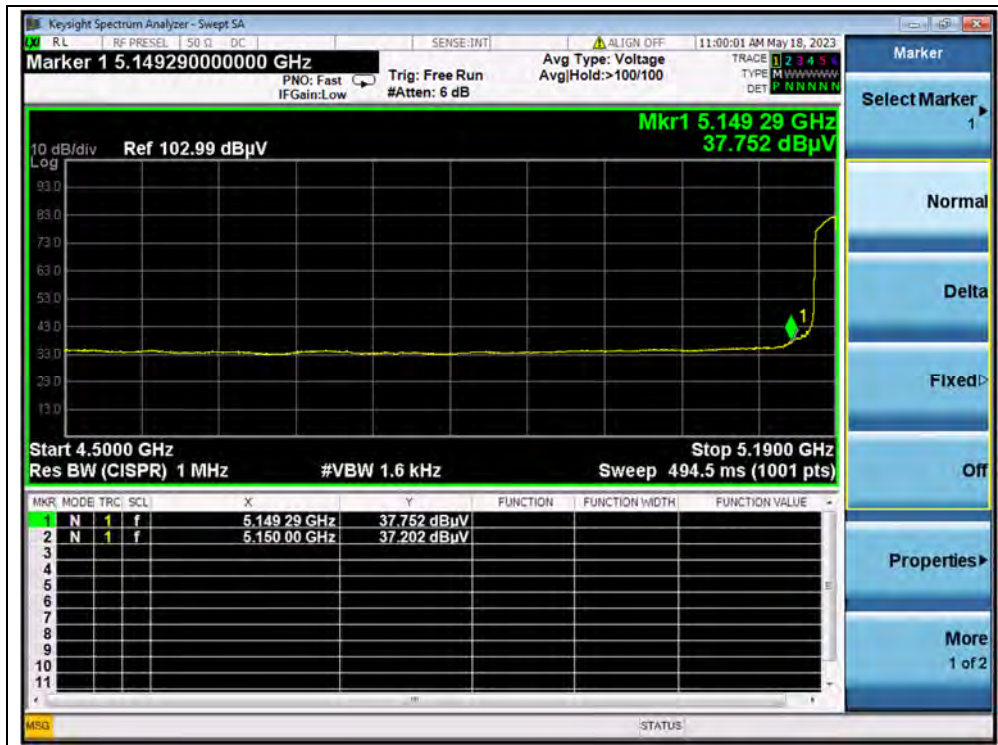


**802.11n (HT40) Mode**

Channel	Frequency (MHz)	Detector	Receiver Reading $U_R$ (dB $\mu$ V)	$A_T$ (dB)	$A_{Factor}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV						
38	5150.00	PK	50.92	-19.54	32.20	63.58	74	PASS
38	5149.29	AV	37.75	-19.54	32.20	50.41	54	PASS
62	5350.00	PK	50.21	-18.80	32.20	63.61	74	PASS
62	5350.00	AV	35.89	-18.80	32.20	49.29	54	PASS
102	5470.00	PK	51.37	-19.20	32.20	64.37	68.23	PASS
102	5458.49	AV	33.49	-19.20	32.20	46.49	54	PASS
142	5725.00	PK	46.45	-19.20	32.20	59.45	68.23	PASS
151	5722.05	PK	61.66	-19.01	32.20	74.85	115.50	PASS
159	5850.00	PK	47.27	-19.01	32.20	60.46	122.23	PASS



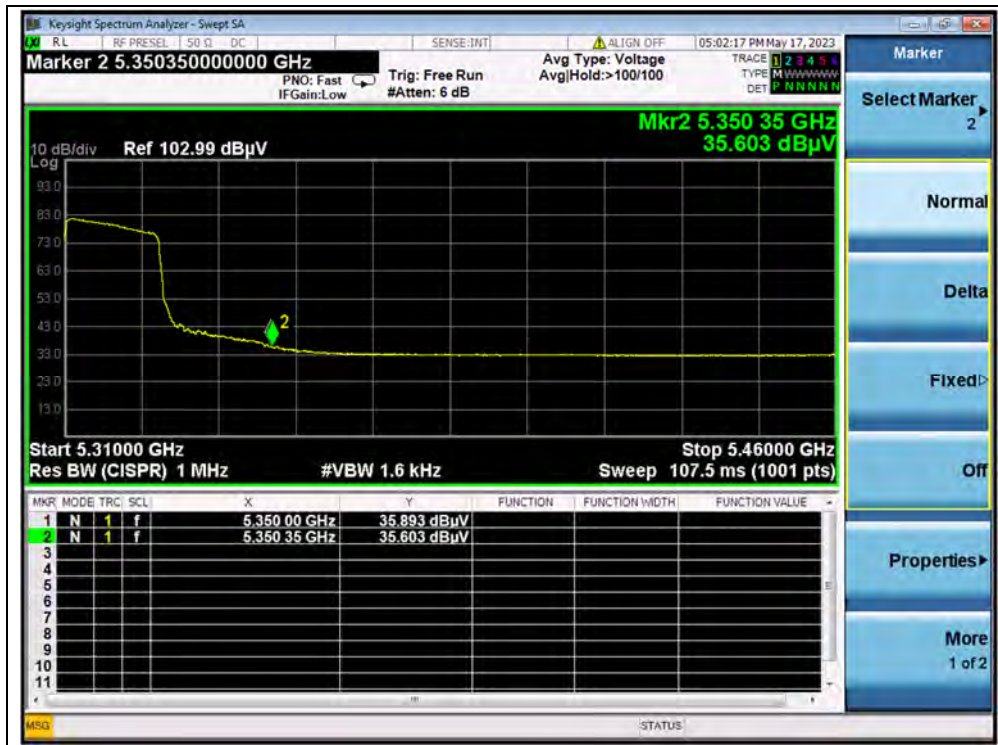
(PEAK, Channel 38, 802.11n (HT40))



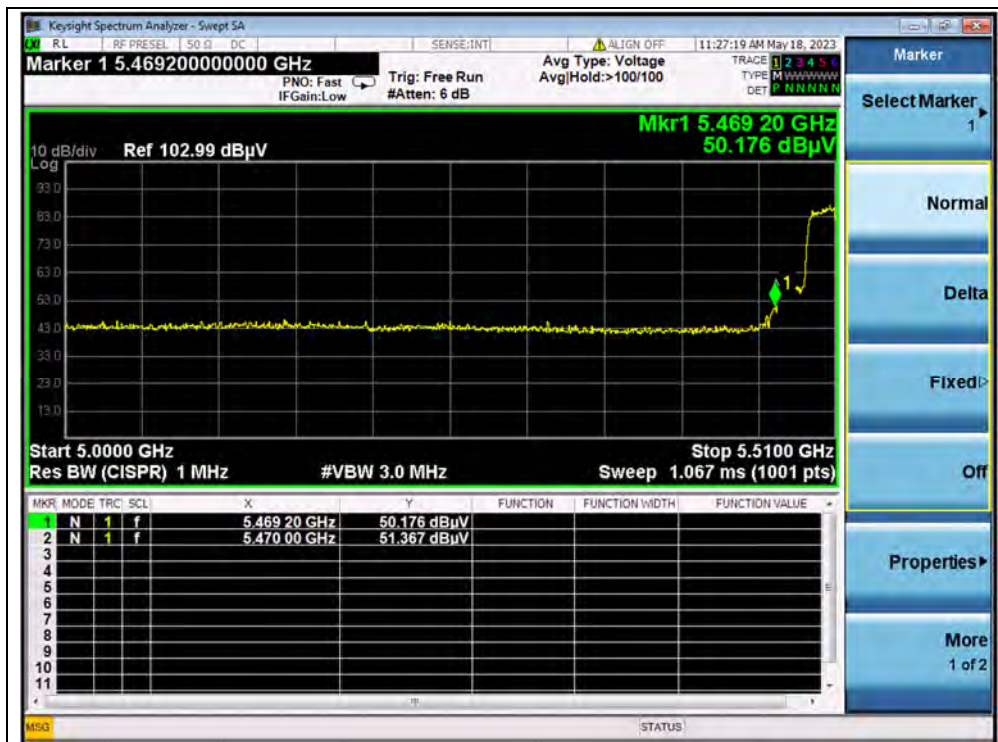
(AVERAGE, Channel 38, 802.11n (HT40))



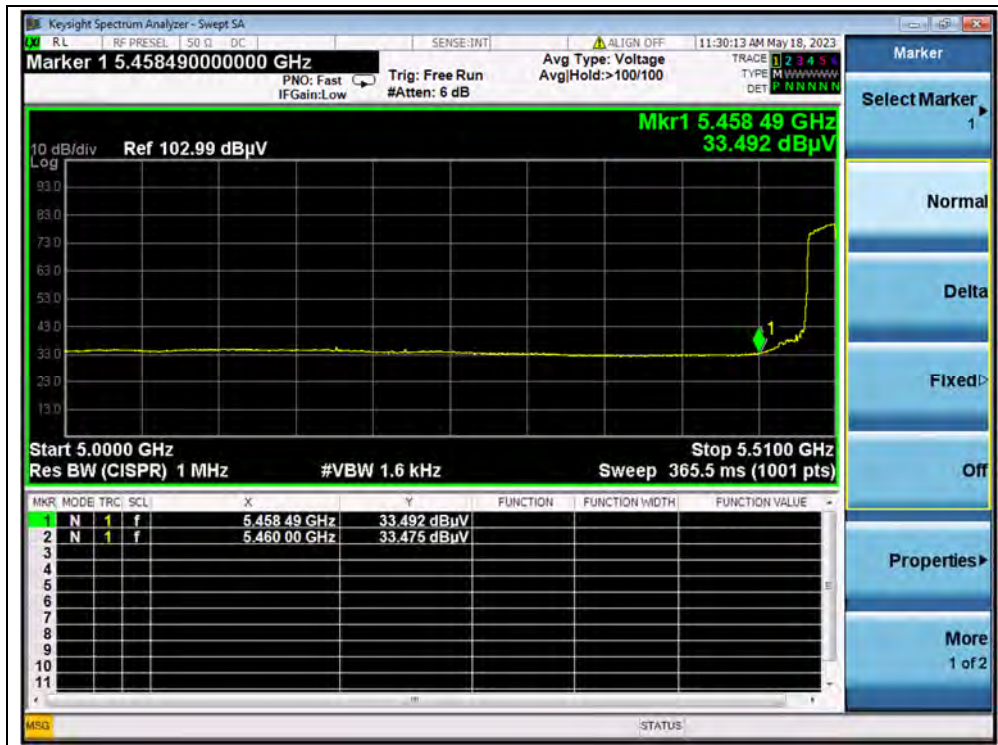
(PEAK, Channel 62, 802.11n (HT40))



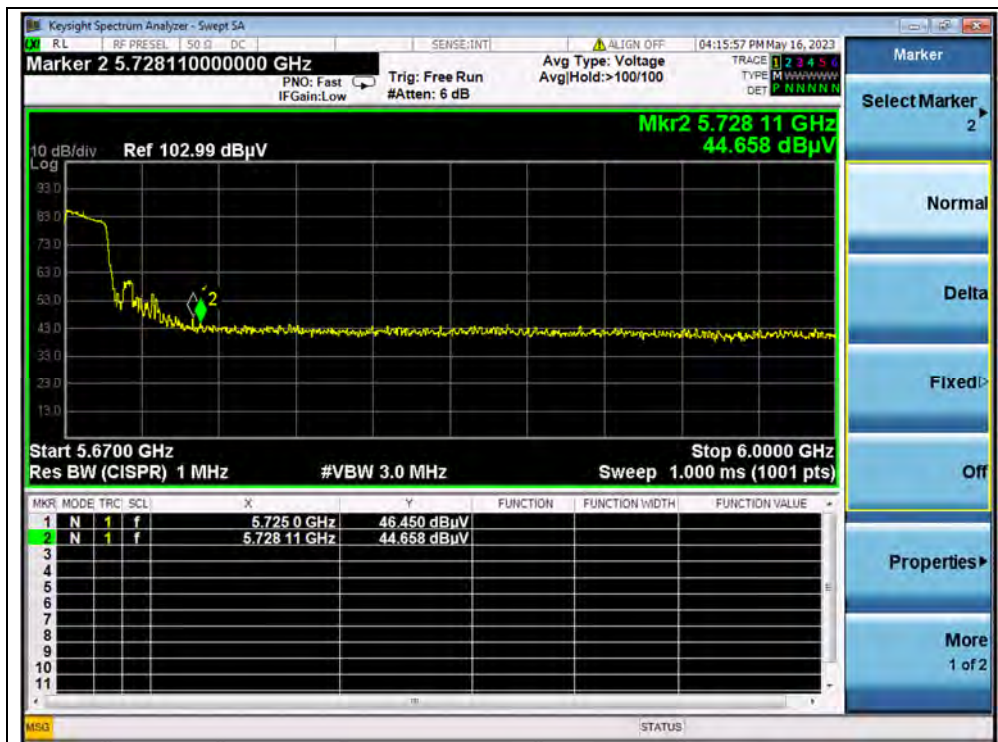
(AVERAGE, Channel 62, 802.11n (HT40))



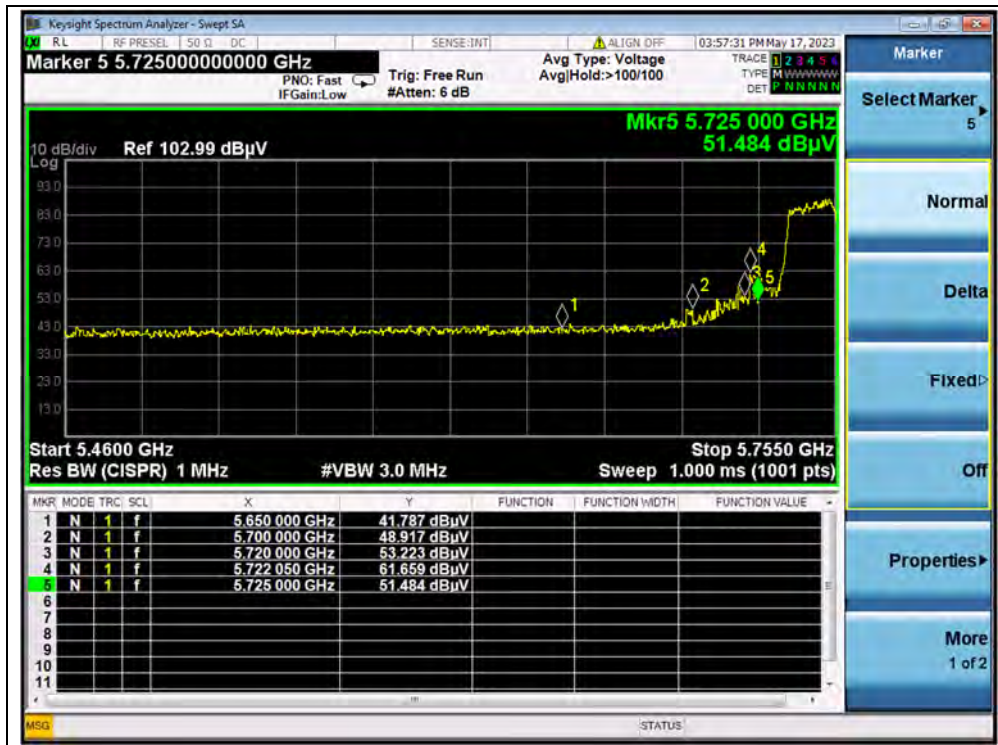
(PEAK, Channel 102, 802.11n (HT40))



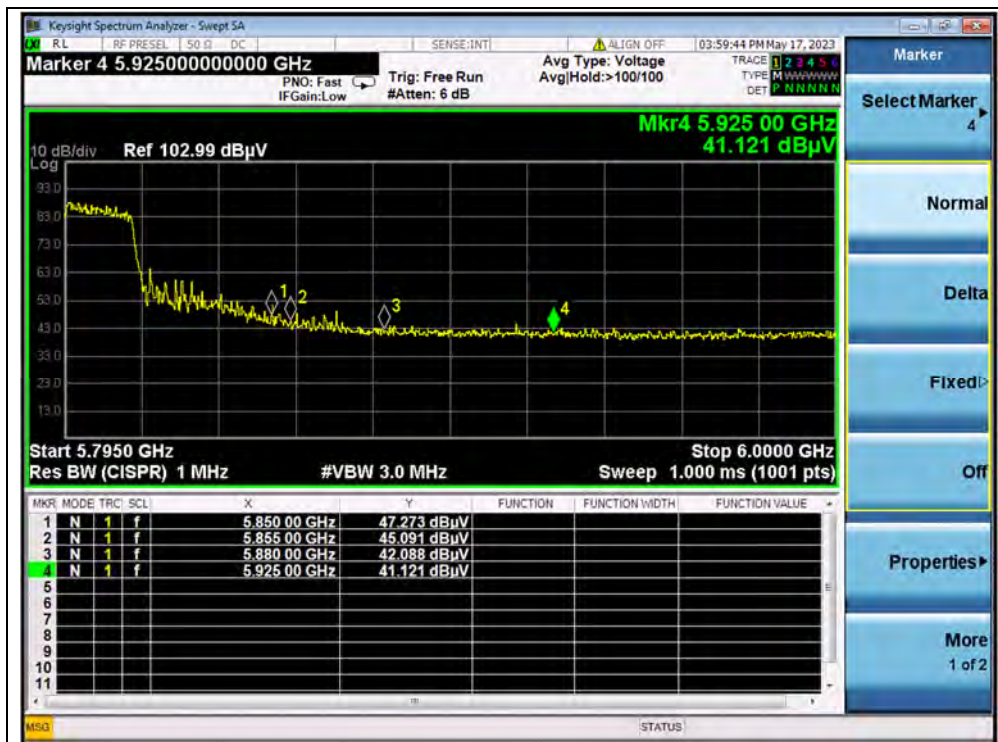
(AVERAGE, Channel 102, 802.11n (HT40))



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



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

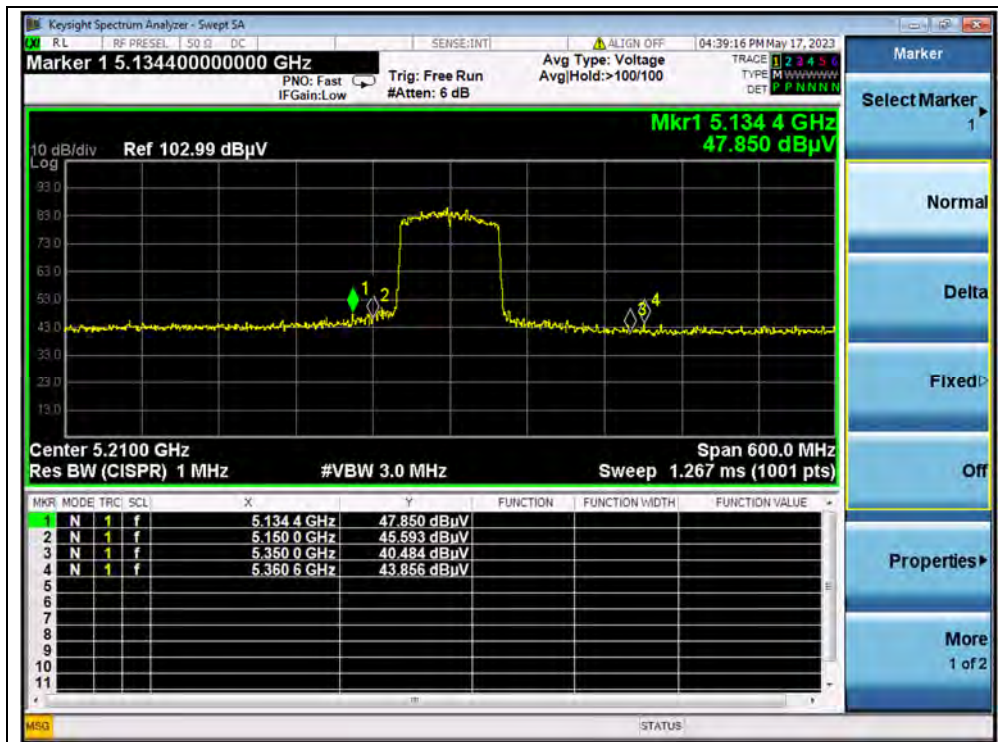


(PEAK, Channel 159, 802.11n (HT40))

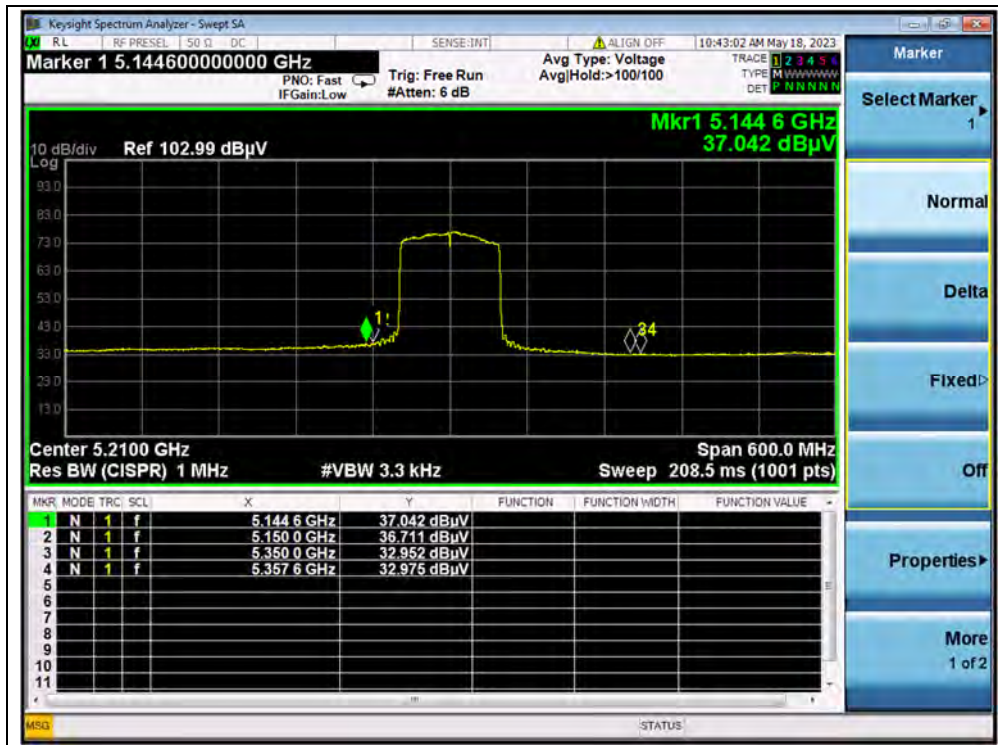


802.11ac (VHT80) Mode

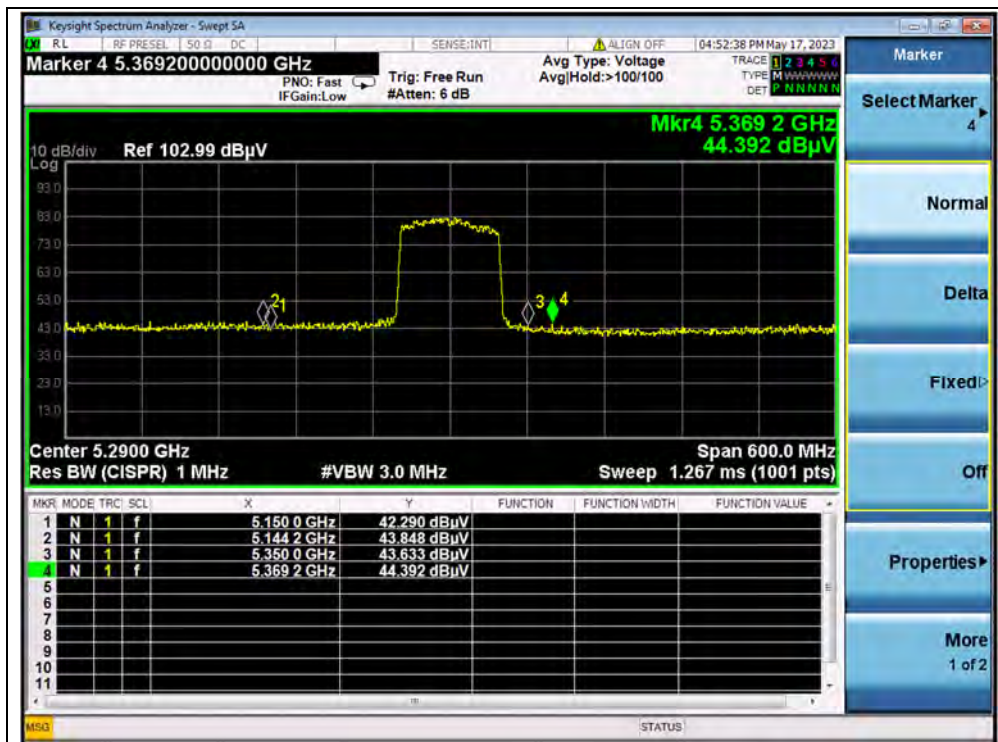
Channel	Frequency (MHz)	Detector	Receiver Reading U <sub>R</sub> (dBμV)	A <sub>T</sub> (dB)	A <sub>Factor</sub> (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
42	5134.40	PK	47.85	-19.54	32.20	60.51	74	PASS
42	5144.60	AV	37.04	-19.54	32.20	49.70	54	PASS
58	5369.20	PK	44.39	-18.80	32.20	57.79	74	PASS
58	5350.00	AV	36.04	-18.80	32.20	49.44	54	PASS
106	5466.40	PK	46.41	-19.20	32.20	59.41	68.23	PASS
106	5460.00	AV	37.90	-19.20	32.20	50.90	54	PASS
138	5857.65	PK	45.59	-19.20	32.20	58.59	68.23	PASS
155	5725.00	PK	55.29	-19.01	32.20	68.48	122.23	PASS
155	5850.00	PK	51.78	-19.01	32.20	64.97	122.23	PASS



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

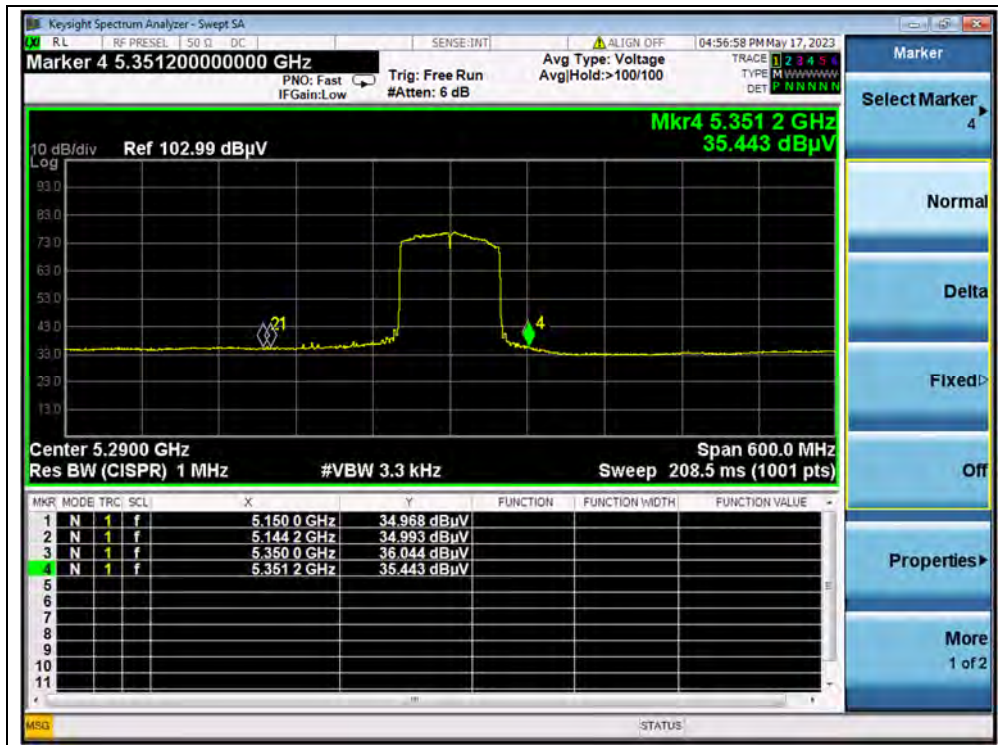


(AVERAGE, Channel 42, 802.11ac (VHT80))

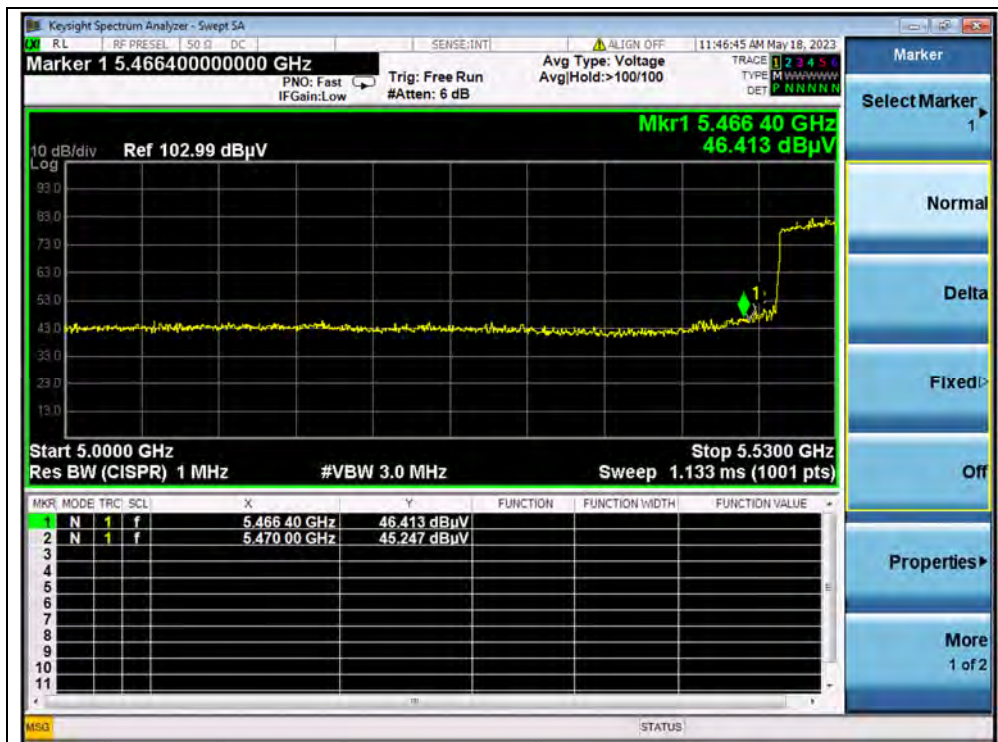


(PEAK, Channel 58, 802.11ac (VHT80))

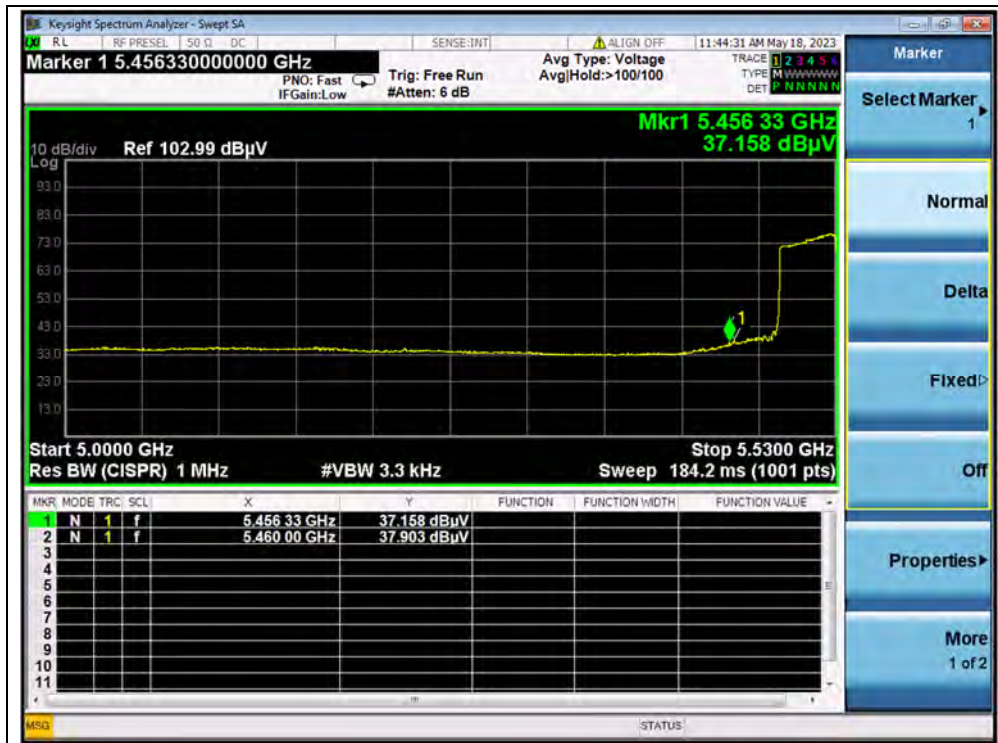




(AVERAGE, Channel 58, 802.11ac (VHT80))



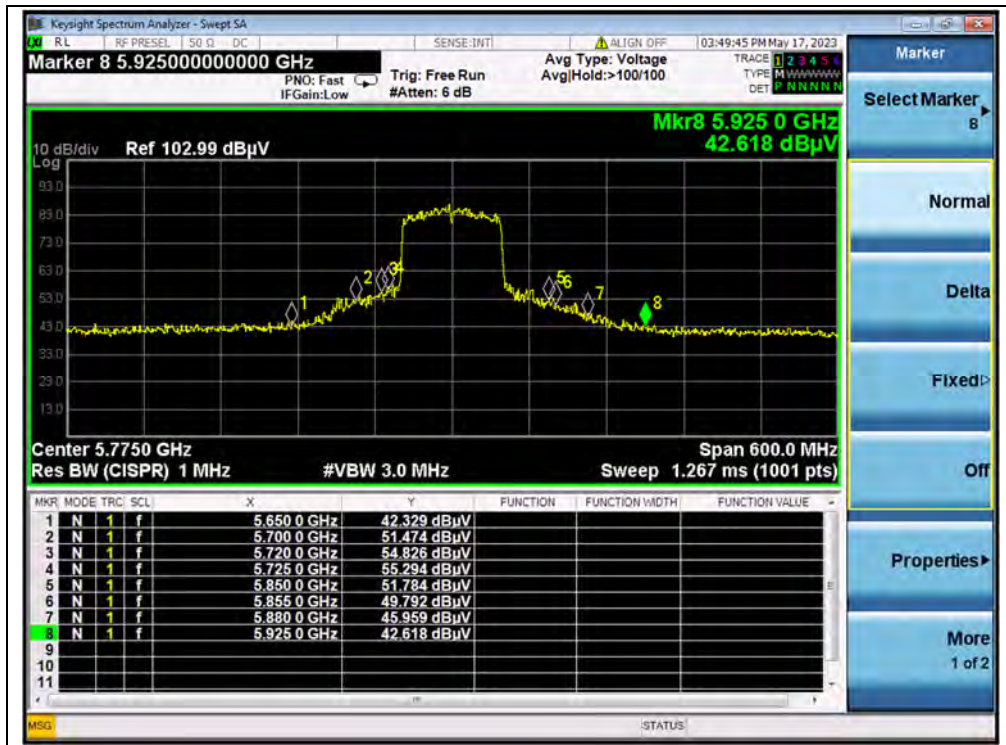
(PEAK, Channel 106, 802.11ac (VHT80))



(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

$G_{\text{preamp}}$ : Preamplifier Gain

$A_{\text{Factor}}$ : Antenna Factor at 3m

During the test, the total correction Factor  $A_T$  and  $A_{\text{Factor}}$  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.

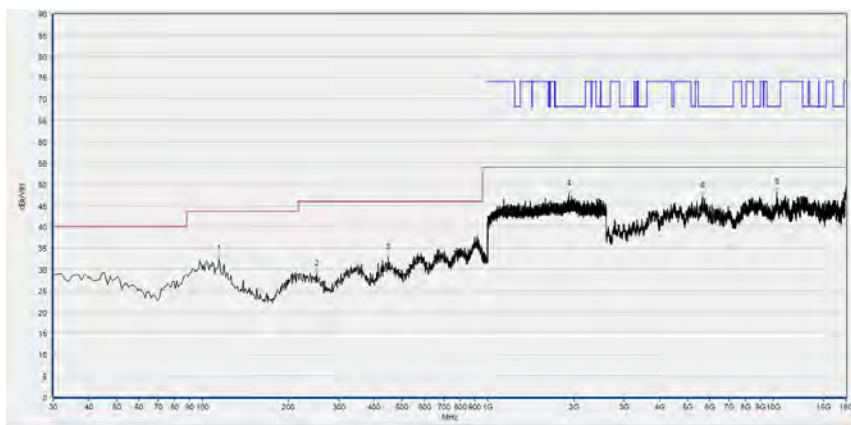
**Note2:** For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

**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.

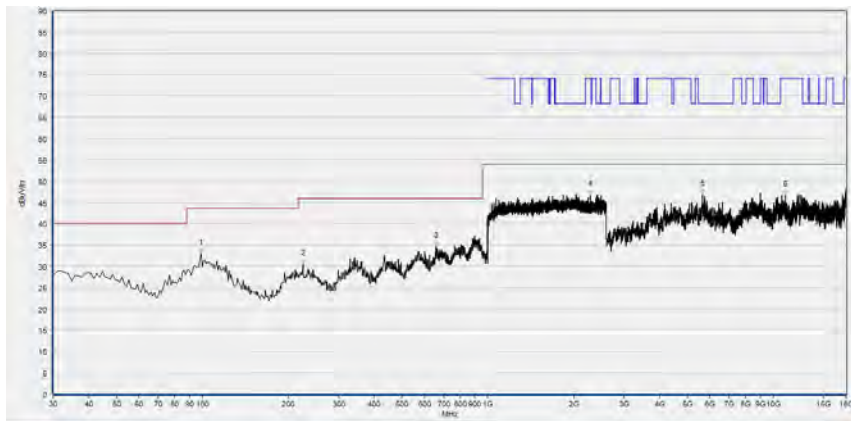
**802.11a Mode**

**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
114.390	32.42	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
252.130	28.81	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
448.070	32.72	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1927.467	47.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5652.280	47.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10306.160	48.14	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

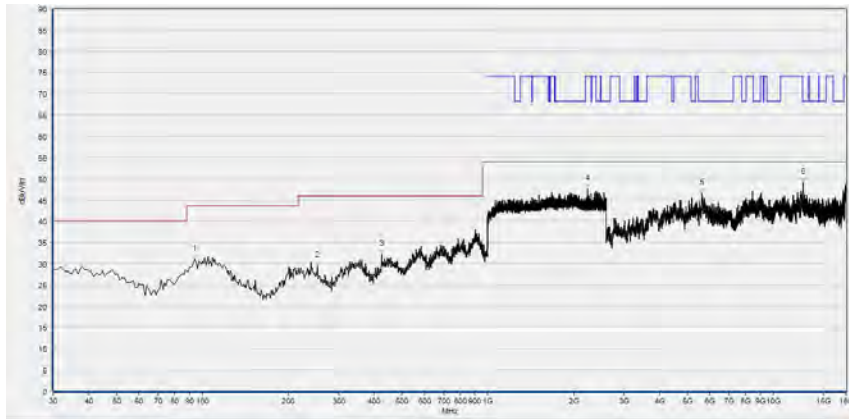
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.870	32.94	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
224.970	30.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
657.590	34.72	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2281.600	46.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5646.120	46.99	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11008.400	46.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

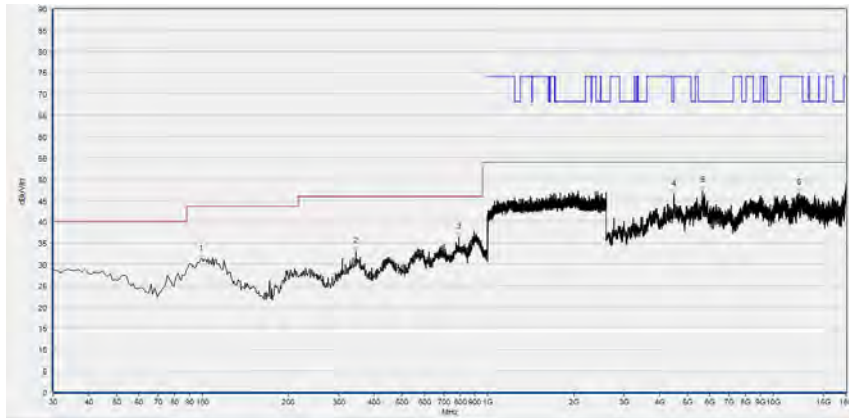
(Antenna Vertical, 30MHz to 18GHz)

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
94.020	31.02	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
253.100	29.46	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
423.820	32.10	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2231.467	47.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5630.720	46.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12739.360	49.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

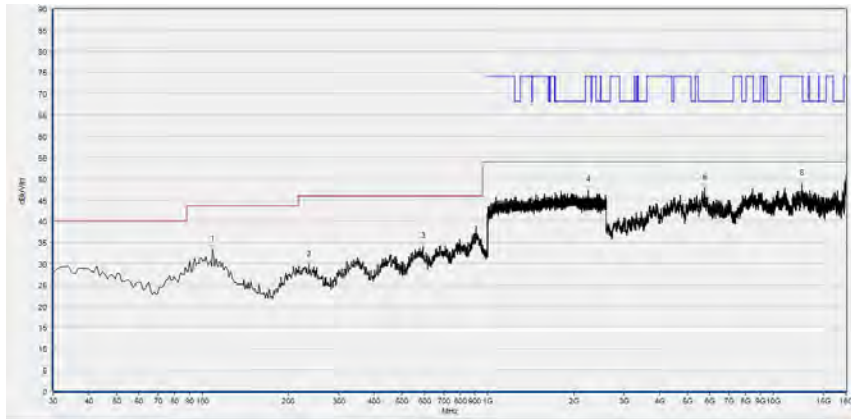
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
98.870	31.21	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
345.250	32.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
791.450	36.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4478.800	46.50	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5643.040	47.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12274.280	46.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

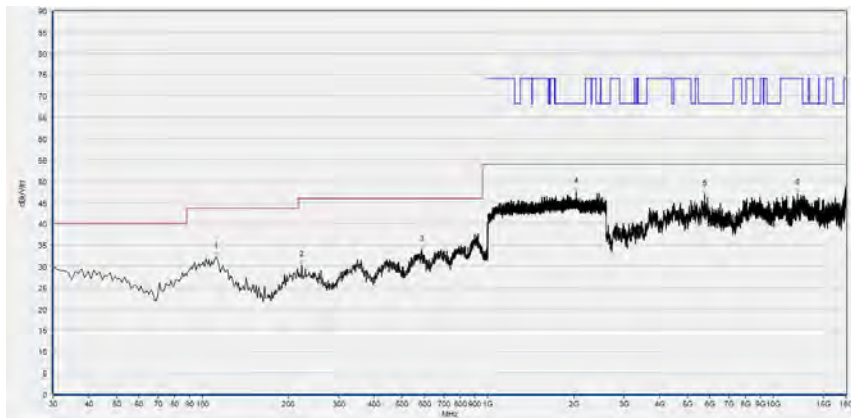
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	33.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
236.610	29.65	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
592.600	34.10	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2249.067	47.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5747.760	47.74	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12597.680	48.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

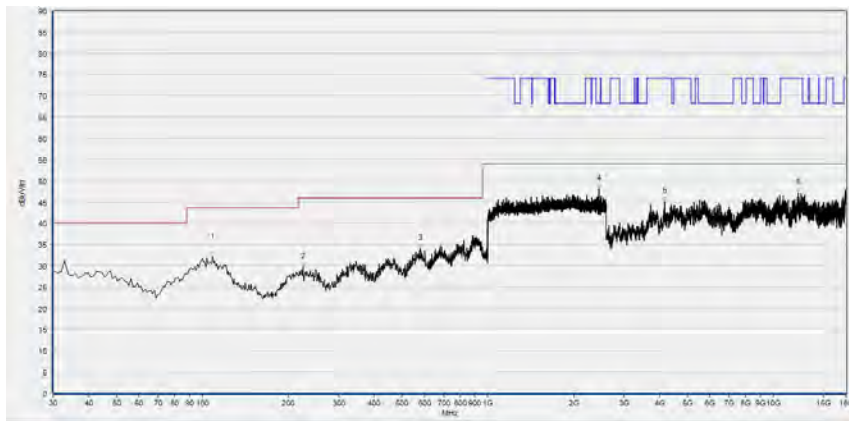
(Antenna Horizontal, 30MHz to 18GHz)



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
111.480	32.26	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
223.030	30.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
587.750	33.86	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2037.333	47.44	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5747.760	46.92	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12151.080	47.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

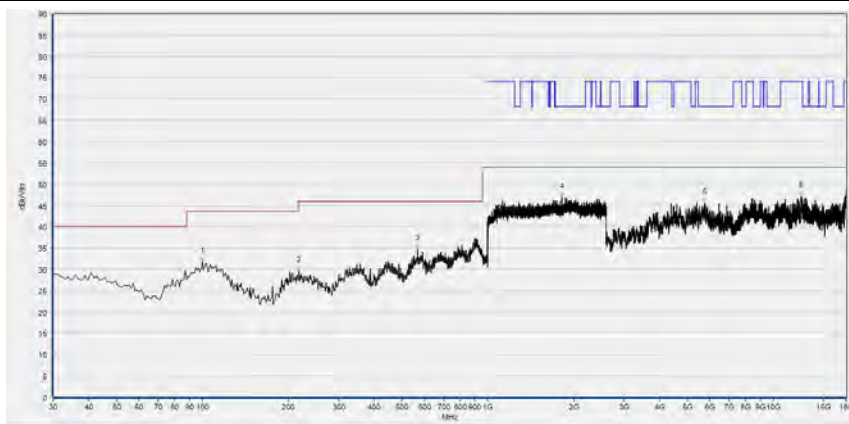
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	32.15	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
224.970	29.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
579.990	34.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2454.400	48.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4167.720	45.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12206.520	47.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

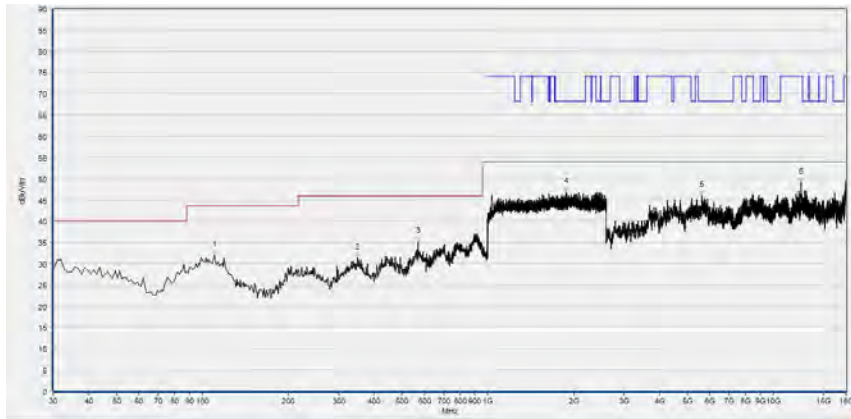


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
99.840	31.87	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
218.180	29.58	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
567.380	34.92	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1821.333	47.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5757.000	45.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12533.000	47.08	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

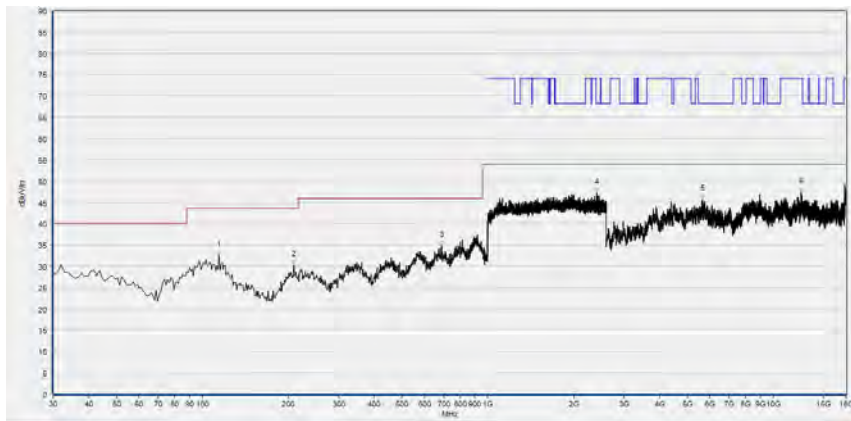


Plot for Channel 60



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
110.510	31.93	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
350.100	31.39	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
569.320	35.21	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1884.267	46.90	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5630.720	46.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12533.000	49.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

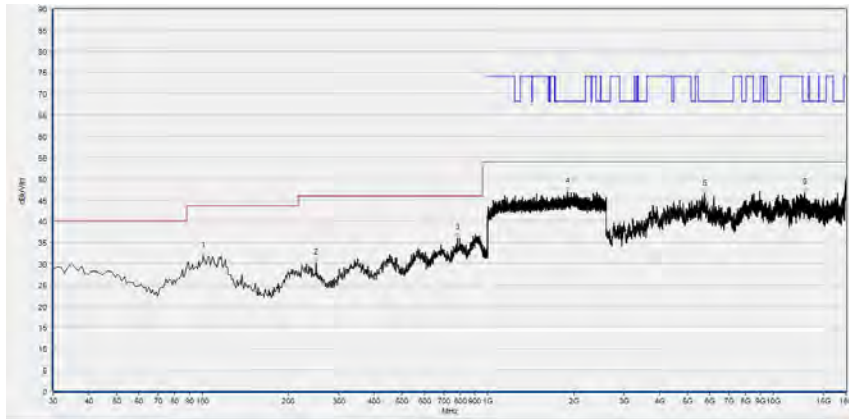
(Antenna Horizontal, 30MHz to 18GHz)



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
114.390	32.44	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
209.450	30.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
690.570	34.88	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2409.600	47.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5658.440	45.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12514.520	47.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

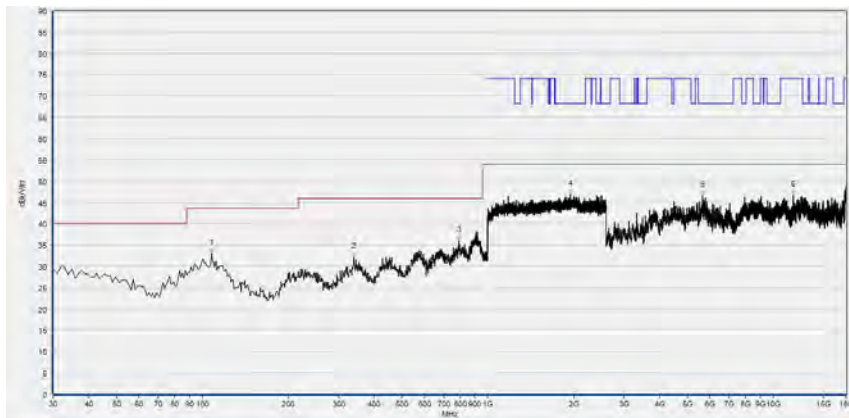
(Antenna Vertical, 30MHz to 18GHz)

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
100.810	31.93	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
250.190	30.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
780.780	35.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1907.200	46.87	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5760.080	46.45	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12914.920	46.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

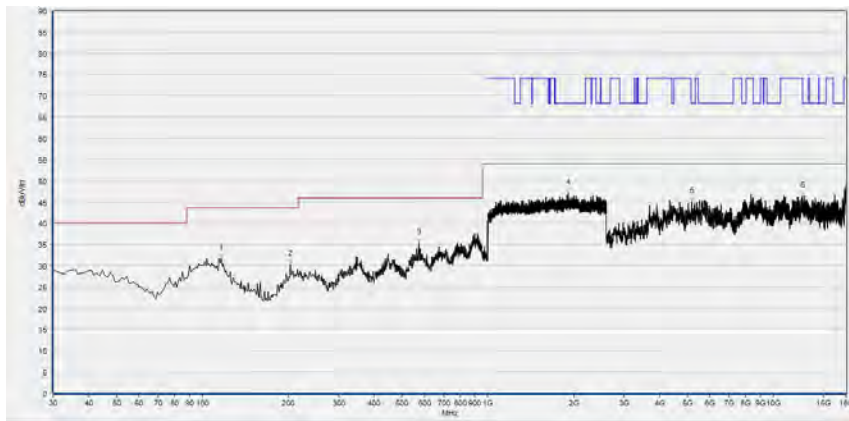
(Antenna Horizontal, 30MHz to 18GHz)



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	33.06	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
339.430	32.23	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
790.480	36.05	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1950.400	46.88	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5639.960	46.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11722.960	46.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

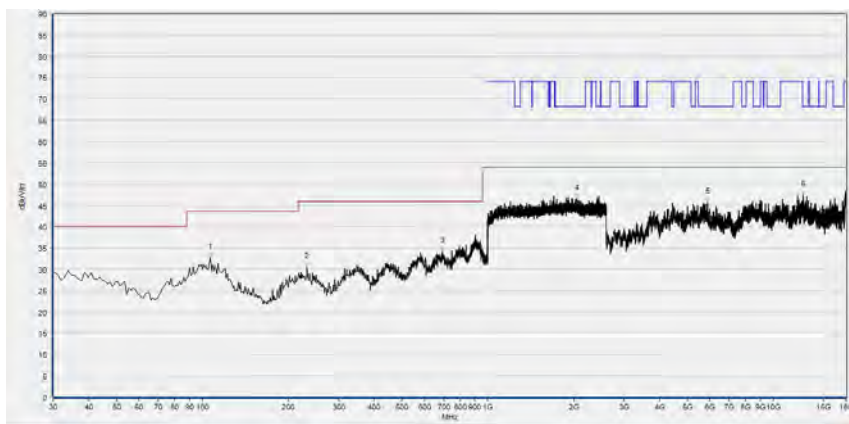
(Antenna Vertical, 30MHz to 18GHz)

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
116.330	31.68	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
203.630	30.34	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
572.230	35.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1915.733	47.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5171.800	45.09	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12662.360	46.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

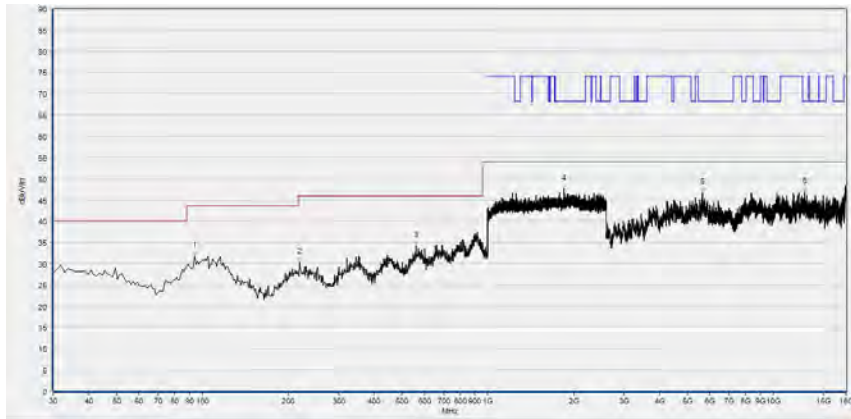
(Antenna Horizontal, 30MHz to 18GHz)



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
106.630	32.63	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
232.730	30.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
693.480	34.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2051.733	46.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5867.880	45.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12757.840	47.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

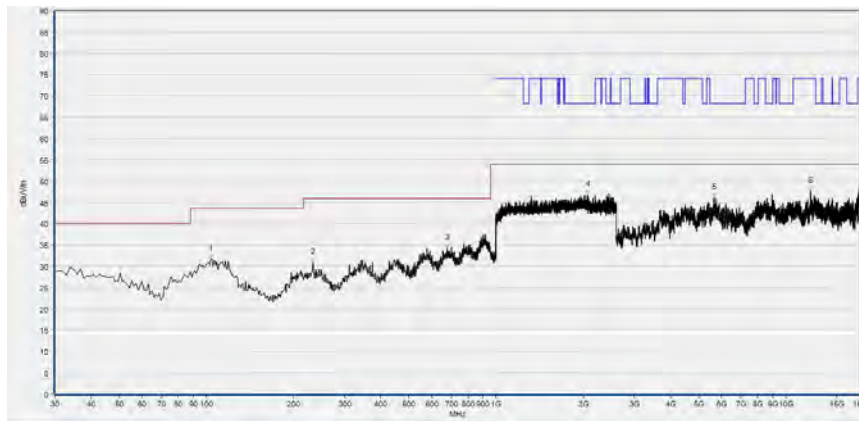
(Antenna Vertical, 30MHz to 18GHz)

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
94.020	31.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.150	30.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
560.590	34.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1844.800	47.57	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5658.440	46.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12905.680	46.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

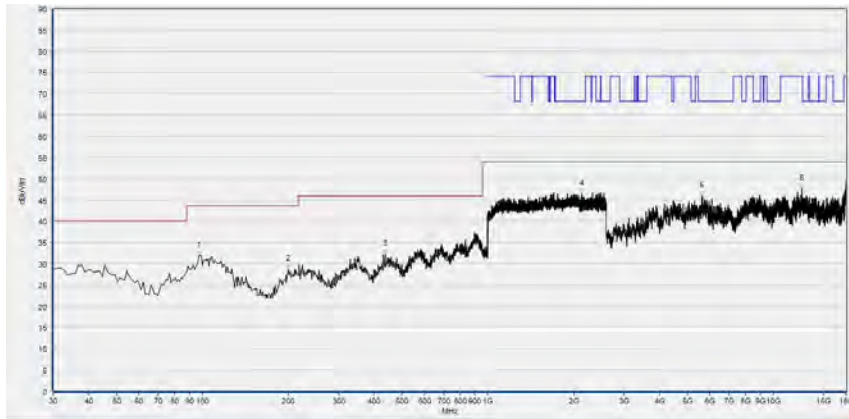
(Antenna Horizontal, 30MHz to 18GHz)



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
103.720	31.72	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
233.700	30.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
676.020	34.11	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2070.400	46.81	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5652.280	46.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12148.000	47.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

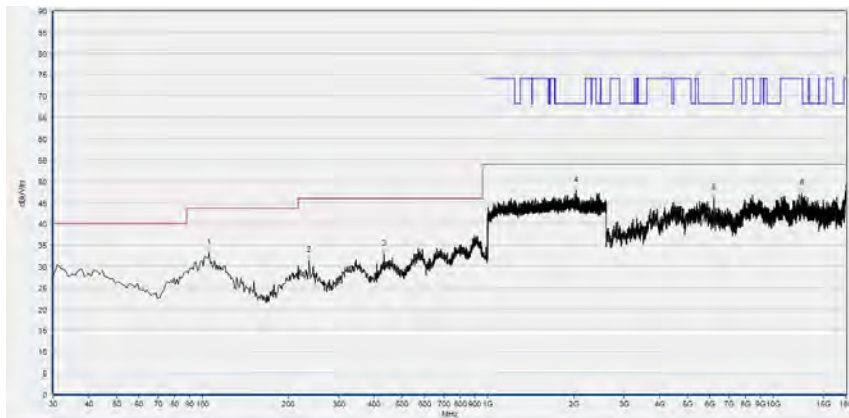
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 144



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
96.930	31.78	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
199.750	28.67	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
436.430	32.10	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2128.533	46.46	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5624.560	45.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12566.880	47.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

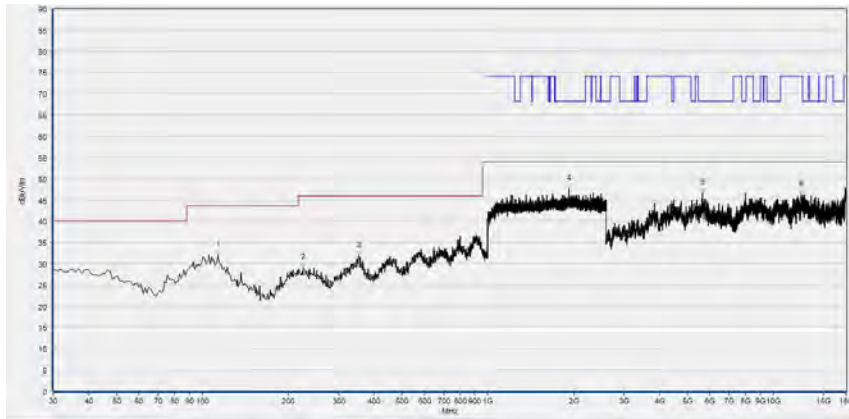
(Antenna Horizontal, 30MHz to 18GHz)



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	33.11	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
236.610	31.29	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
433.520	32.83	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2042.133	47.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6188.200	45.93	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12613.080	47.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

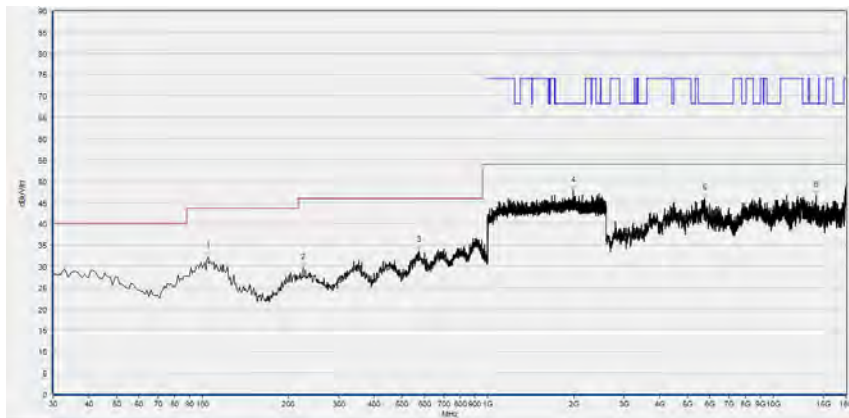
(Antenna Vertical, 30MHz to 18GHz)

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
113.420	31.94	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
225.940	29.04	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
353.010	31.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1926.933	47.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5636.880	46.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12520.680	46.29	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

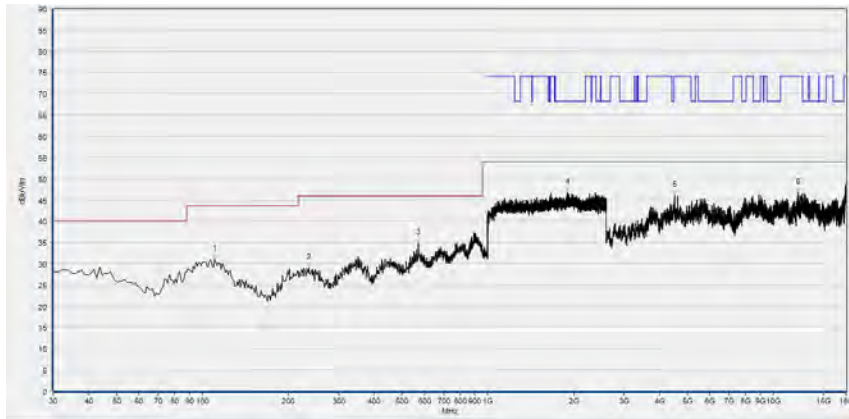
(Antenna Horizontal, 30MHz to 18GHz)



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	32.11	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
224.970	29.73	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
575.140	33.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1986.667	47.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5735.440	45.99	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14097.640	46.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

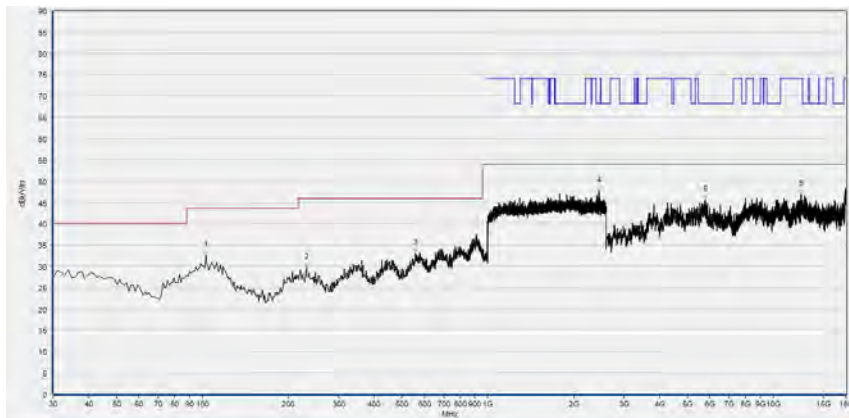
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	31.09	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
235.640	29.06	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
571.260	34.79	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1899.200	46.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4503.440	46.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12200.360	46.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

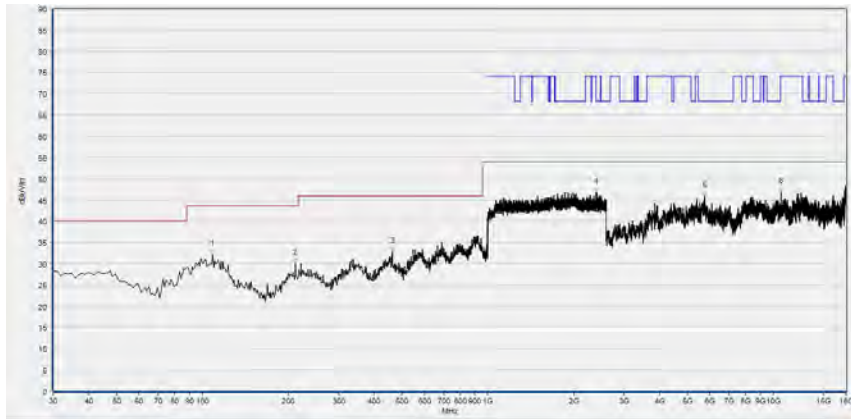
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	32.55	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
231.760	29.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
558.650	33.08	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2448.533	47.81	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5793.960	45.66	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12536.080	46.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

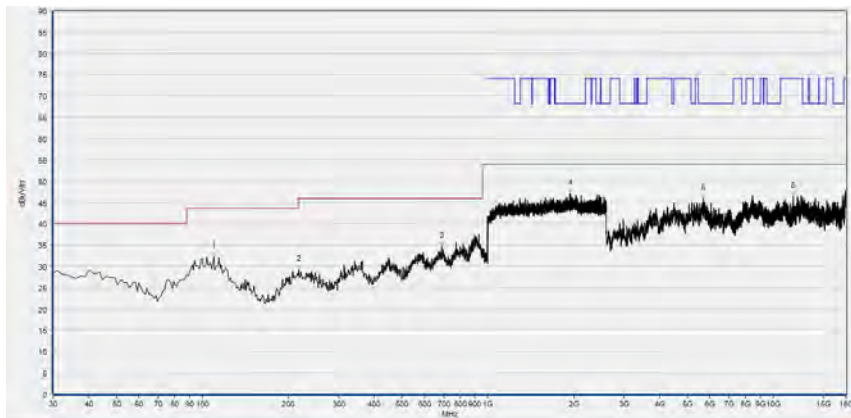
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



Fre. (MHz)	PK (dB $\mu$ V/m)	QP (dB $\mu$ V/m)	AV (dB $\mu$ V/m)	Limit-PK (dB $\mu$ V/m)	Limit-QP (dB $\mu$ V/m)	Limit-AV (dB $\mu$ V/m)	Antenna	Verdict
108.570	32.13	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
211.390	29.92	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
462.620	32.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2388.267	46.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5747.760	45.89	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10672.680	47.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dB $\mu$ V/m)	QP (dB $\mu$ V/m)	AV (dB $\mu$ V/m)	Limit-PK (dB $\mu$ V/m)	Limit-QP (dB $\mu$ V/m)	Limit-AV (dB $\mu$ V/m)	Antenna	Verdict
109.540	32.17	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
217.210	29.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
691.540	34.65	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1949.333	47.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5683.080	45.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11741.440	46.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

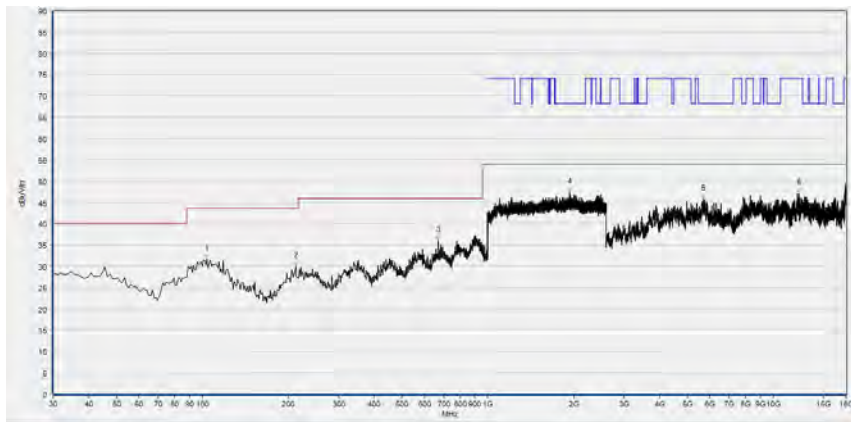
(Antenna Vertical, 30MHz to 18GHz)





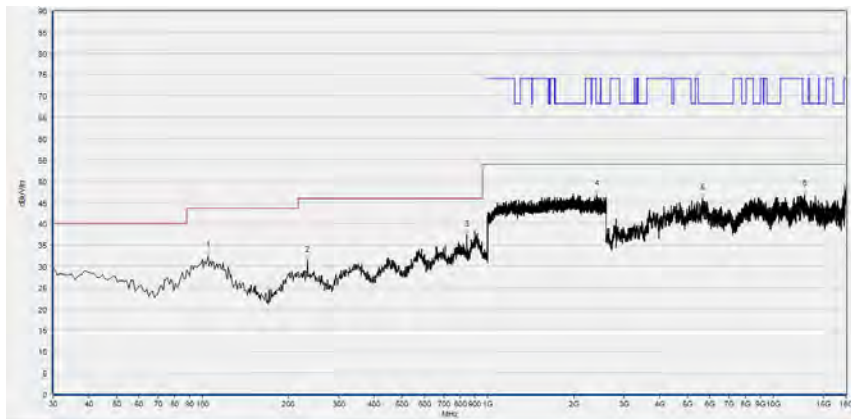
**802.11n (HT40) mode**

**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
103.720	31.76	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
212.360	29.97	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
671.170	36.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1938.667	47.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5670.760	45.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12338.960	47.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

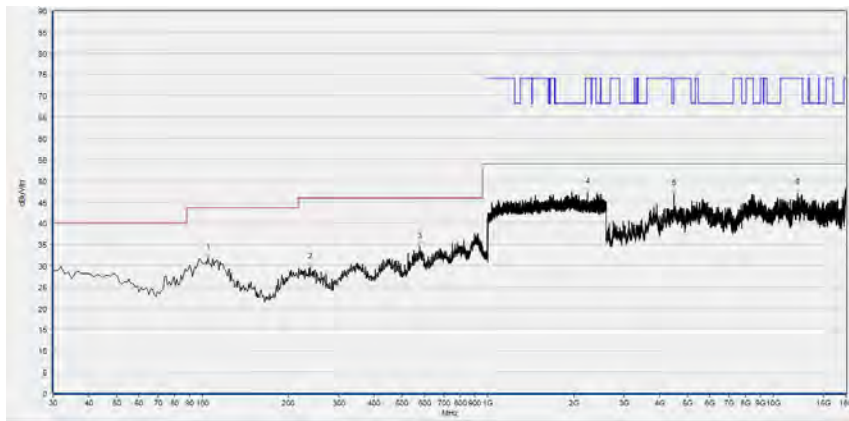
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	32.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
233.700	31.26	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
844.800	37.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2414.400	46.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5655.360	45.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12896.440	47.01	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

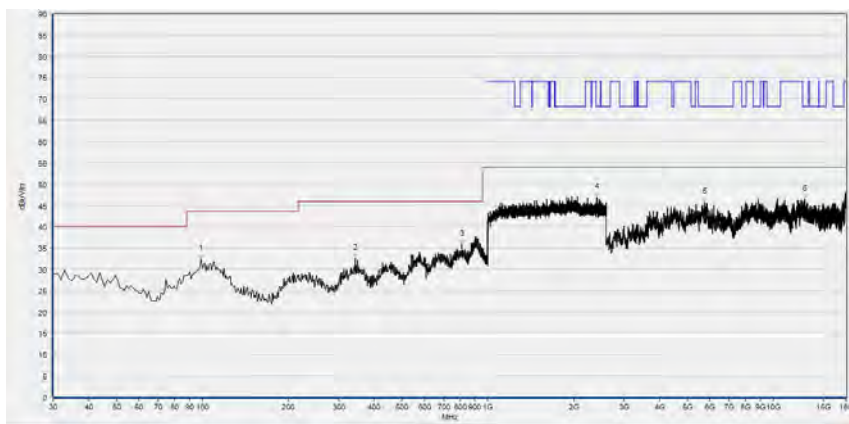
(Antenna Vertical, 30MHz to 18GHz)

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
104.690	31.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
238.550	29.61	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
578.050	34.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2234.667	47.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4494.200	46.89	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12188.040	47.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

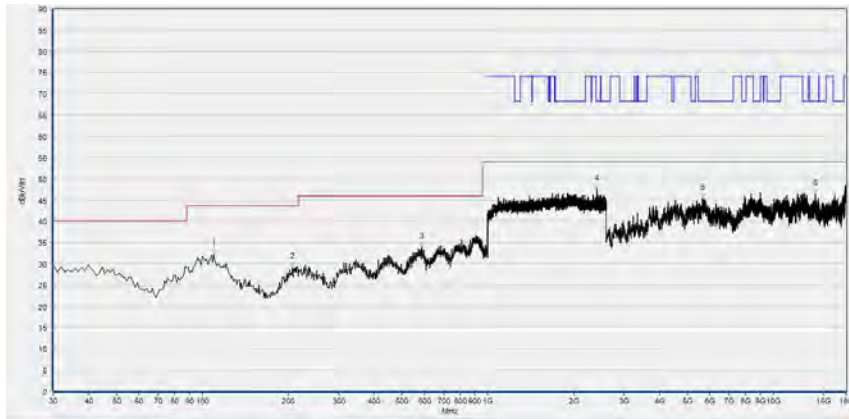
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
98.870	32.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
343.310	32.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
811.820	35.82	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2406.933	46.90	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5747.760	45.77	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12884.120	46.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

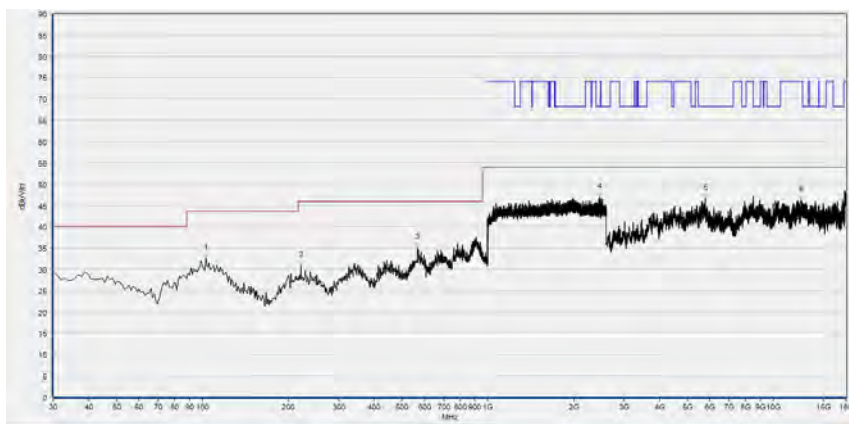
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
206.540	29.16	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
585.810	33.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2409.067	47.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5639.960	45.38	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14014.480	46.40	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

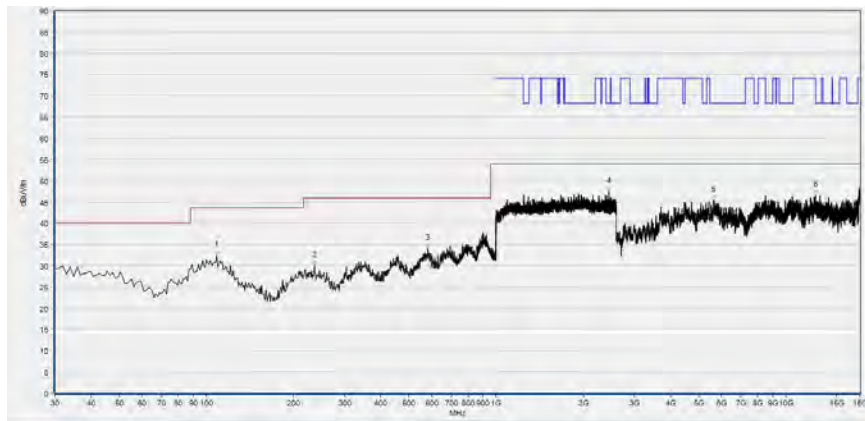
(Antenna Horizontal, 30MHz to 18GHz)



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	32.52	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
221.090	30.86	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
566.410	34.99	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2461.867	46.86	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5769.320	46.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12517.600	46.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

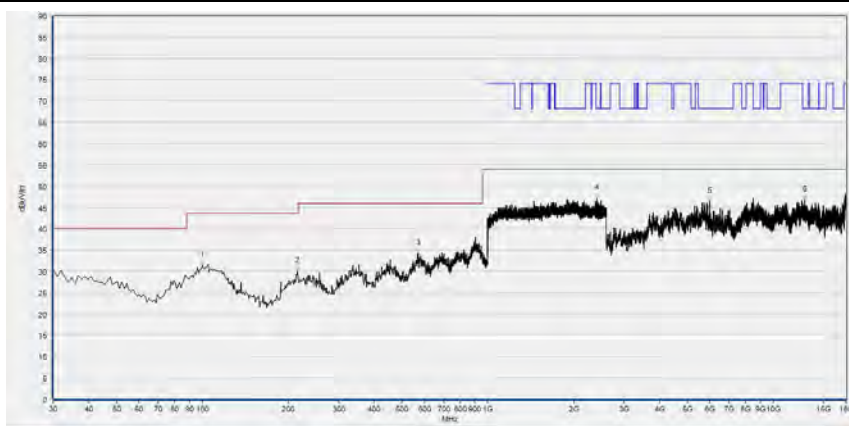
(Antenna Vertical, 30MHz to 18GHz)

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	32.31	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
235.640	29.94	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
580.960	34.04	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2446.933	47.50	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5633.800	45.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12696.240	46.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

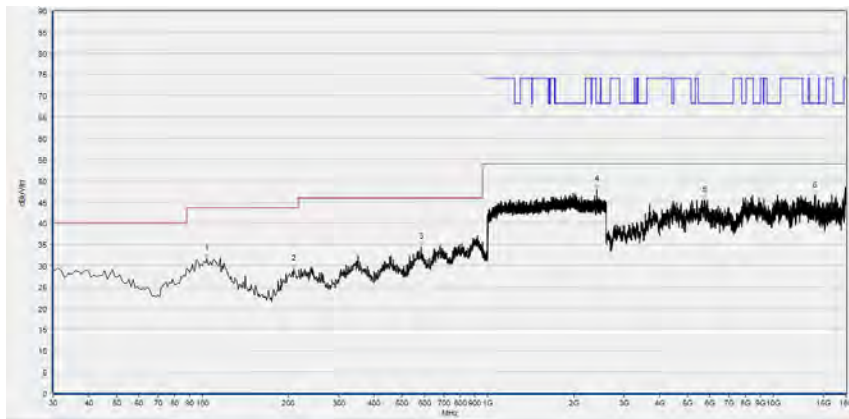
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	31.42	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
215.270	30.01	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
569.320	34.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2415.467	47.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5975.680	46.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12890.280	46.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

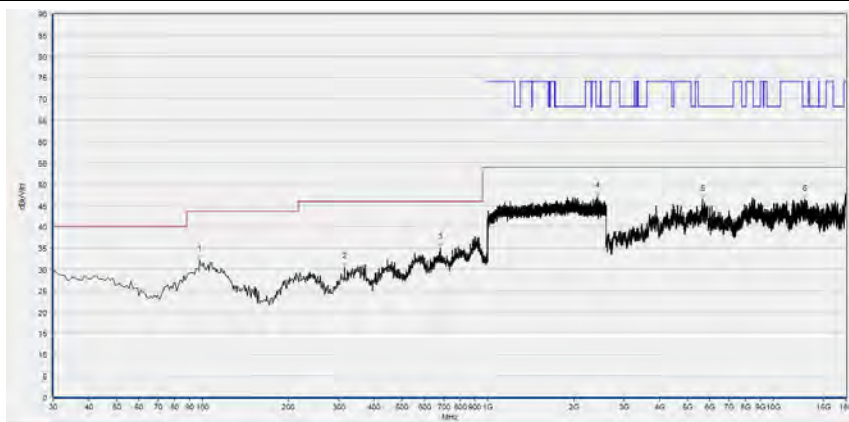
(Antenna Vertical, 30MHz to 18GHz)

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
103.720	31.65	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
209.450	29.12	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
582.900	34.35	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2412.267	47.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5738.520	45.34	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
13968.280	46.38	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

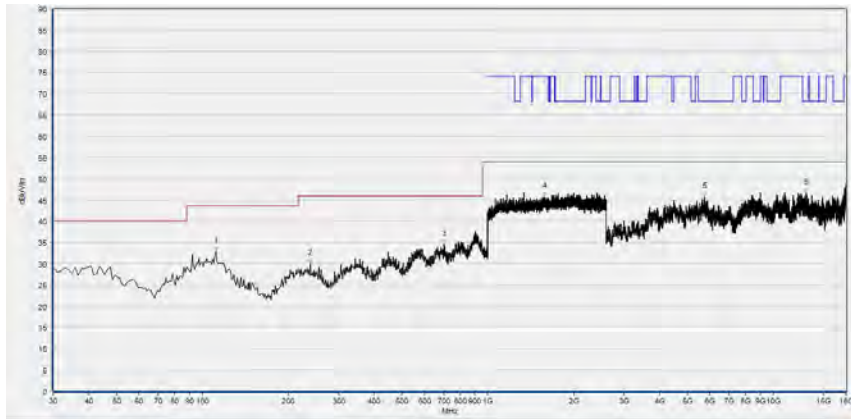
(Antenna Horizontal, 30MHz to 18GHz)



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	32.19	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
314.210	30.44	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
682.810	35.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2416.533	47.16	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5643.040	46.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12881.040	46.47	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

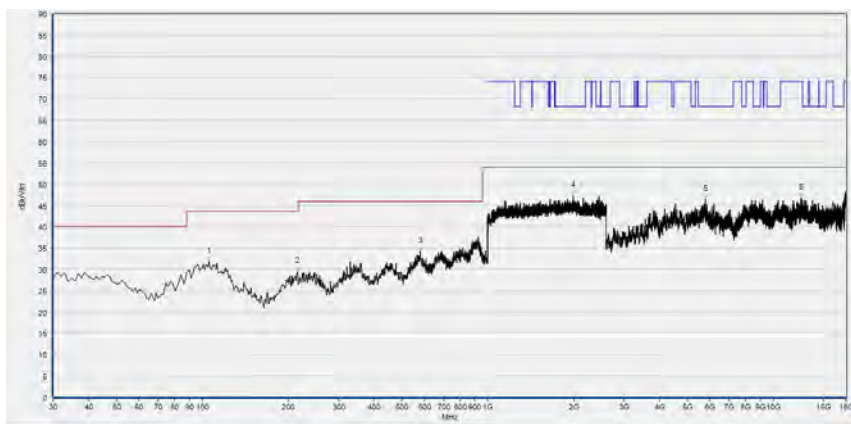
(Antenna Vertical, 30MHz to 18GHz)

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
111.480	32.81	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
239.520	30.05	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
703.180	34.47	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1581.867	45.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5757.000	45.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13068.920	46.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

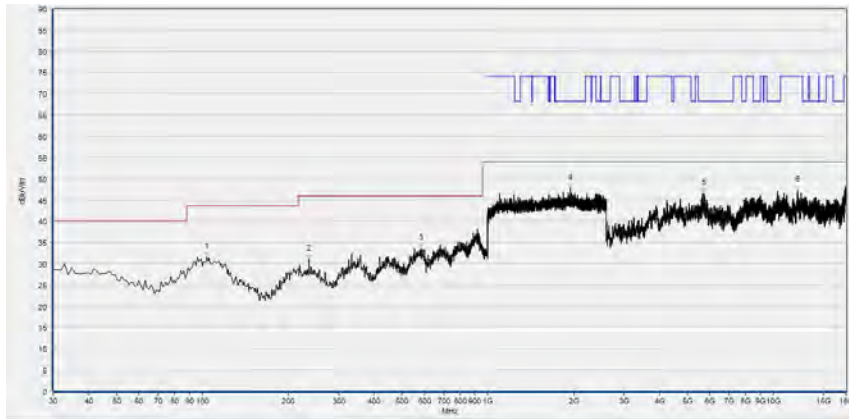
(Antenna Horizontal, 30MHz to 18GHz)



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	31.79	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
215.270	29.48	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
579.990	34.13	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1988.800	47.28	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5781.640	46.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12517.600	46.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

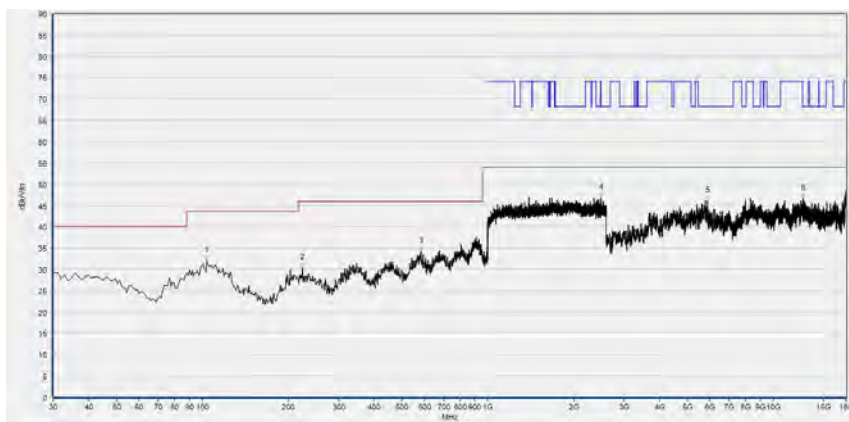
(Antenna Vertical, 30MHz to 18GHz)

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
103.720	31.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
236.610	31.04	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
584.840	33.46	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1947.200	47.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5732.360	46.62	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12148.000	47.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

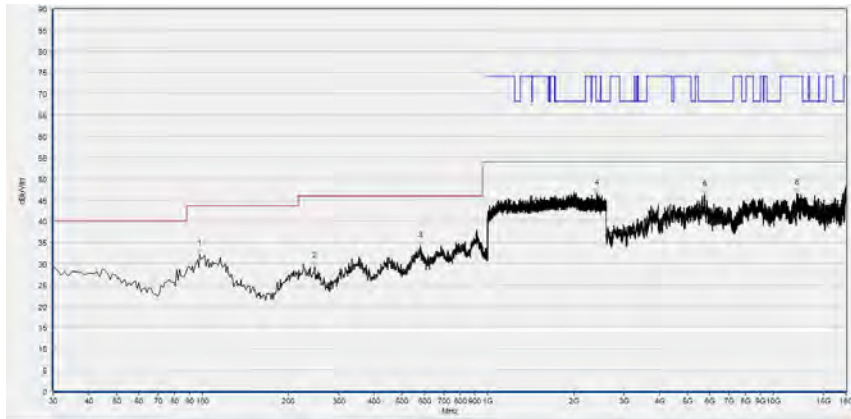
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.720	31.96	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
224.000	30.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
582.900	34.11	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2491.200	46.77	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5874.040	46.12	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12733.200	46.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

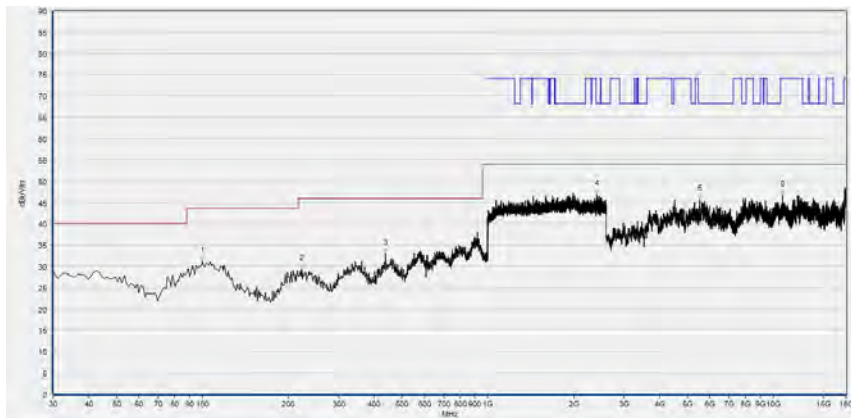
(Antenna Vertical, 30MHz to 18GHz)

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
97.900	32.16	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
247.280	29.38	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
579.020	34.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2414.933	46.64	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5741.600	46.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12061.760	46.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

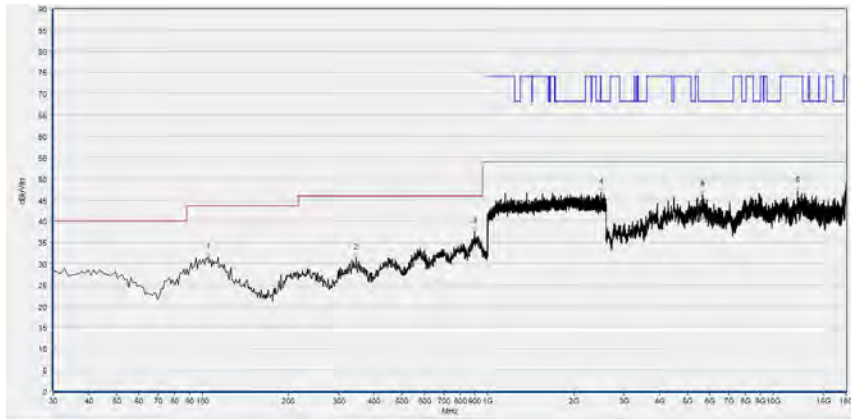


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	31.14	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
223.030	29.29	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
438.370	32.98	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2408.000	46.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5535.240	45.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10786.640	46.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

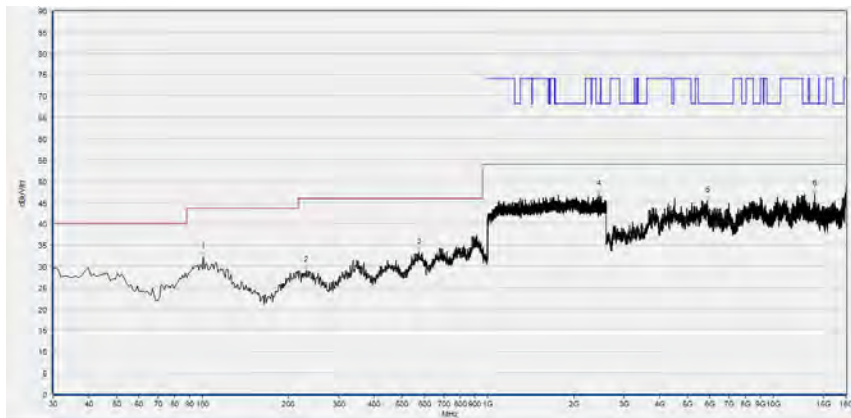


Plot for Channel 159



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
104.690	31.54	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
346.220	31.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
898.150	37.47	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2491.733	46.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5664.600	46.23	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12157.240	47.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



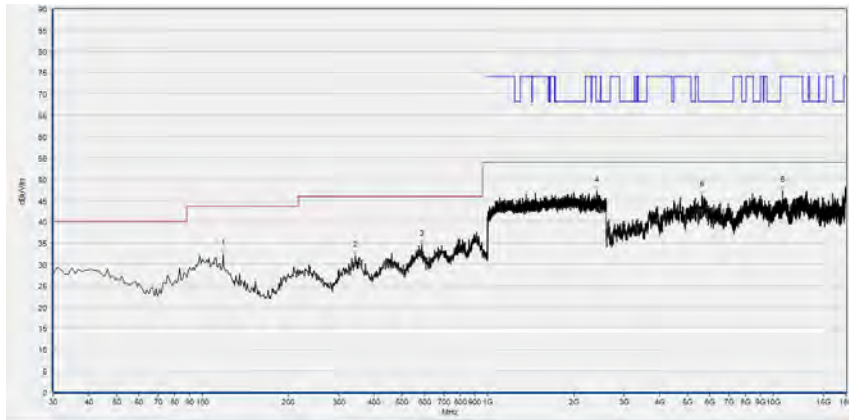
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
100.810	32.11	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
230.790	28.92	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
572.230	33.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2453.867	46.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5867.880	45.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13999.080	46.91	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



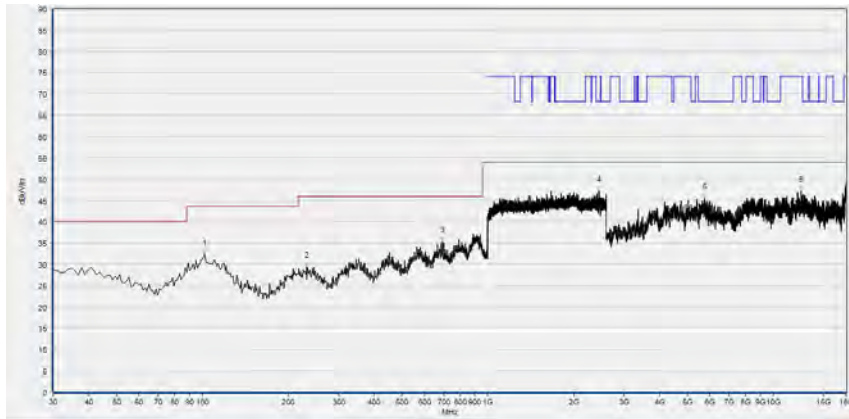
**802.11ac (VHT80) Mode**

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
118.270	32.32	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
343.310	32.07	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
587.750	34.63	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2414.400	47.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5627.640	46.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10795.880	47.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

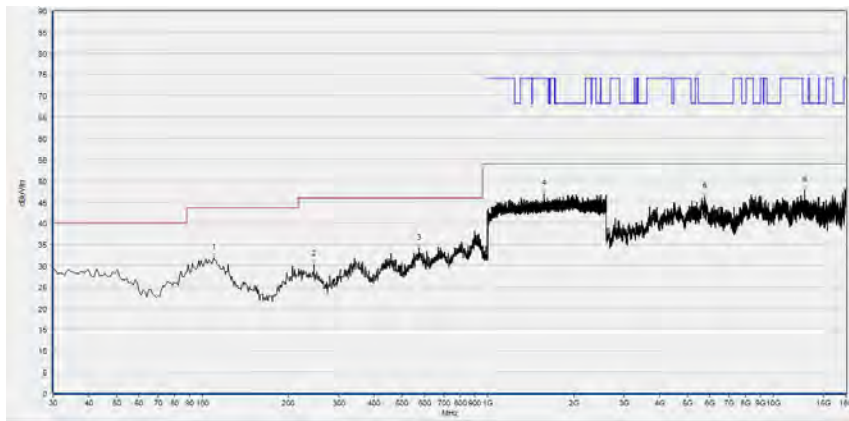
(Antenna Horizontal, 30MHz to 18GHz)



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	32.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
231.760	29.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
695.420	35.31	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2454.933	47.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5747.760	45.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12523.760	47.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

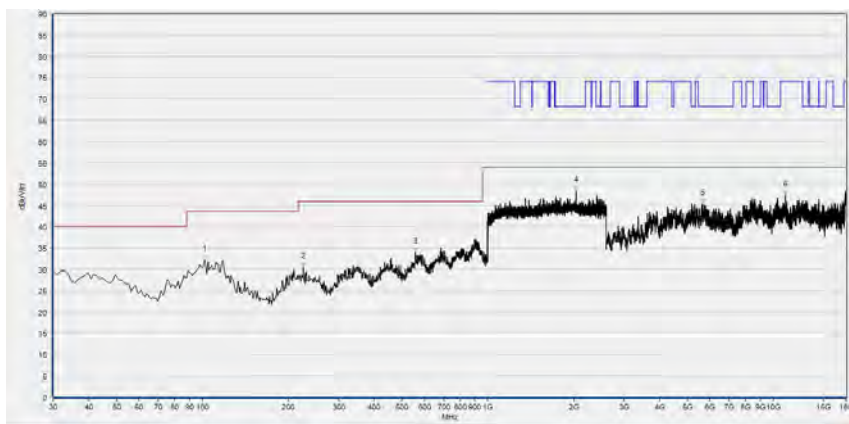
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	31.90	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
245.340	30.38	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
574.170	33.96	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1574.400	46.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5741.600	46.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12893.360	47.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

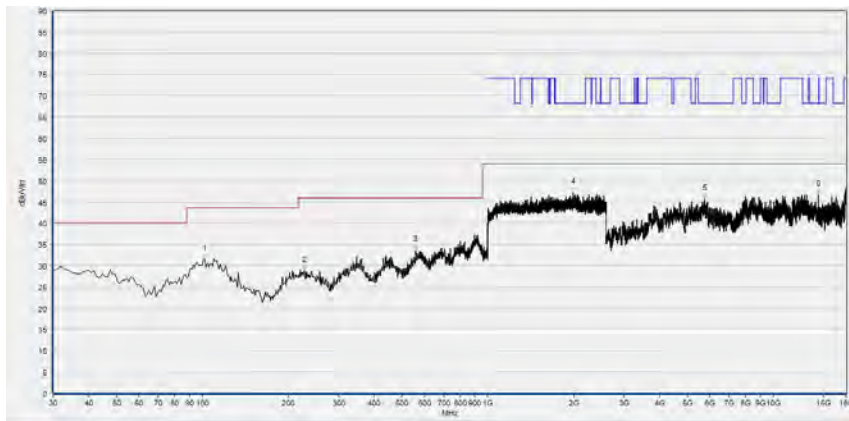
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	32.17	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
225.940	30.52	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
557.680	34.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2041.067	48.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5646.120	45.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11020.720	47.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

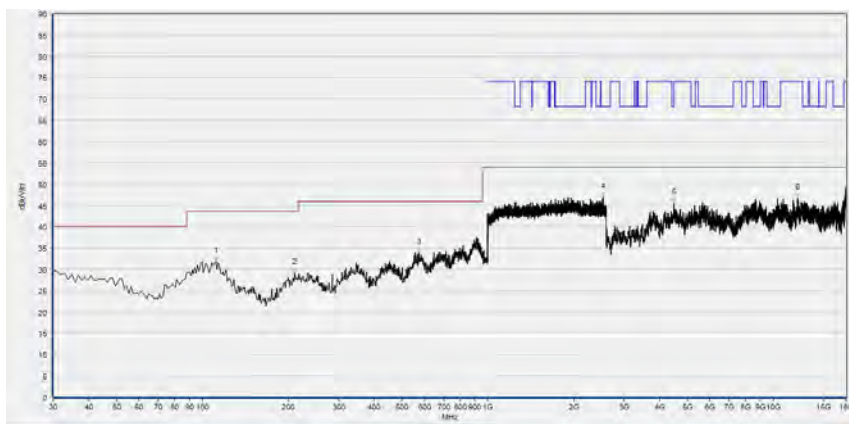
(Antenna Vertical, 30MHz to 18GHz)

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
101.780	31.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
227.880	28.86	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
558.650	33.76	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1991.467	47.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5760.080	45.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14387.160	46.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

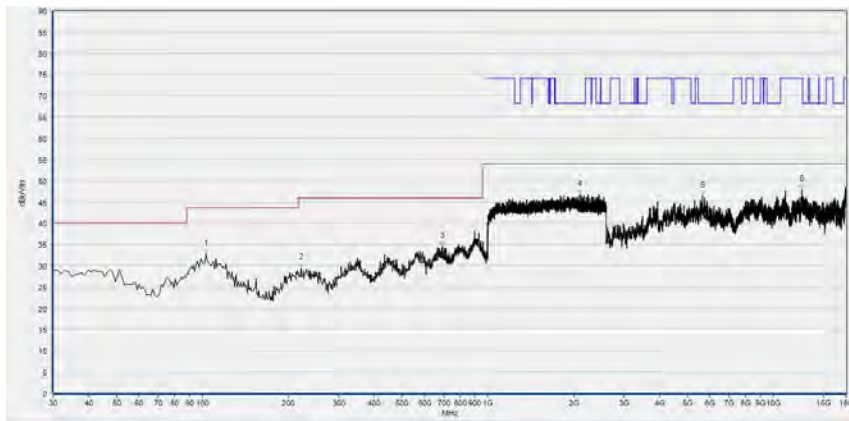
(Antenna Horizontal, 30MHz to 18GHz)



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	31.92	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
210.420	29.12	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
575.140	33.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2540.267	46.93	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4494.200	45.65	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12157.240	46.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

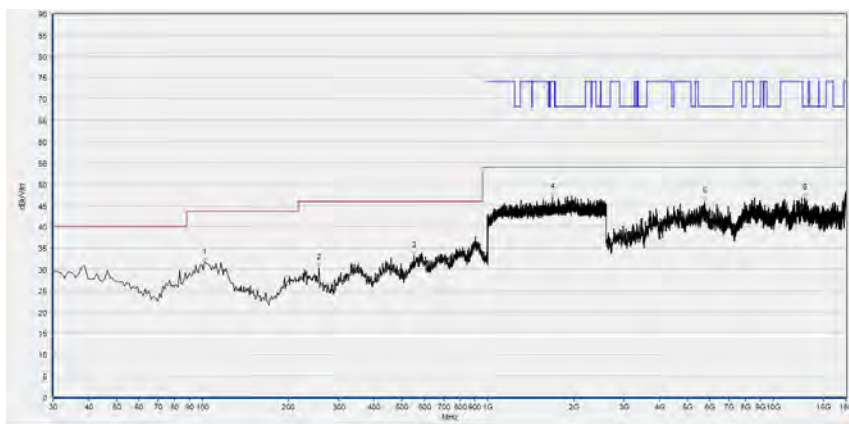
(Antenna Vertical, 30MHz to 18GHz)

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	32.71	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
221.090	29.55	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
693.480	34.47	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2101.333	46.80	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5643.040	46.40	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12610.000	47.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

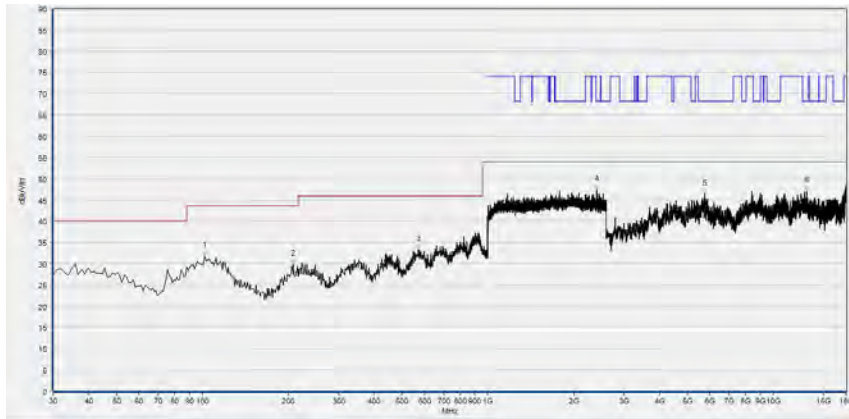
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
101.780	31.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
256.010	30.35	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
549.920	33.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1681.067	46.97	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5747.760	45.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12896.440	46.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

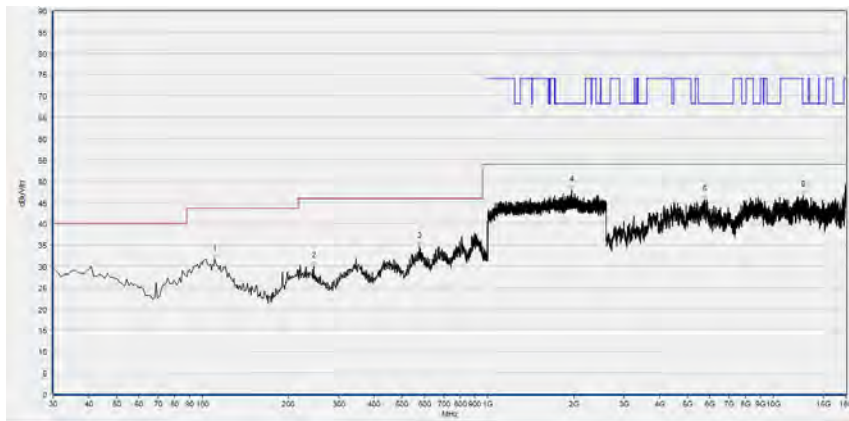
(Antenna Vertical, 30MHz to 18GHz)

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
101.780	31.81	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
208.480	29.86	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
571.260	33.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2411.200	47.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5766.240	46.43	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13087.400	47.09	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

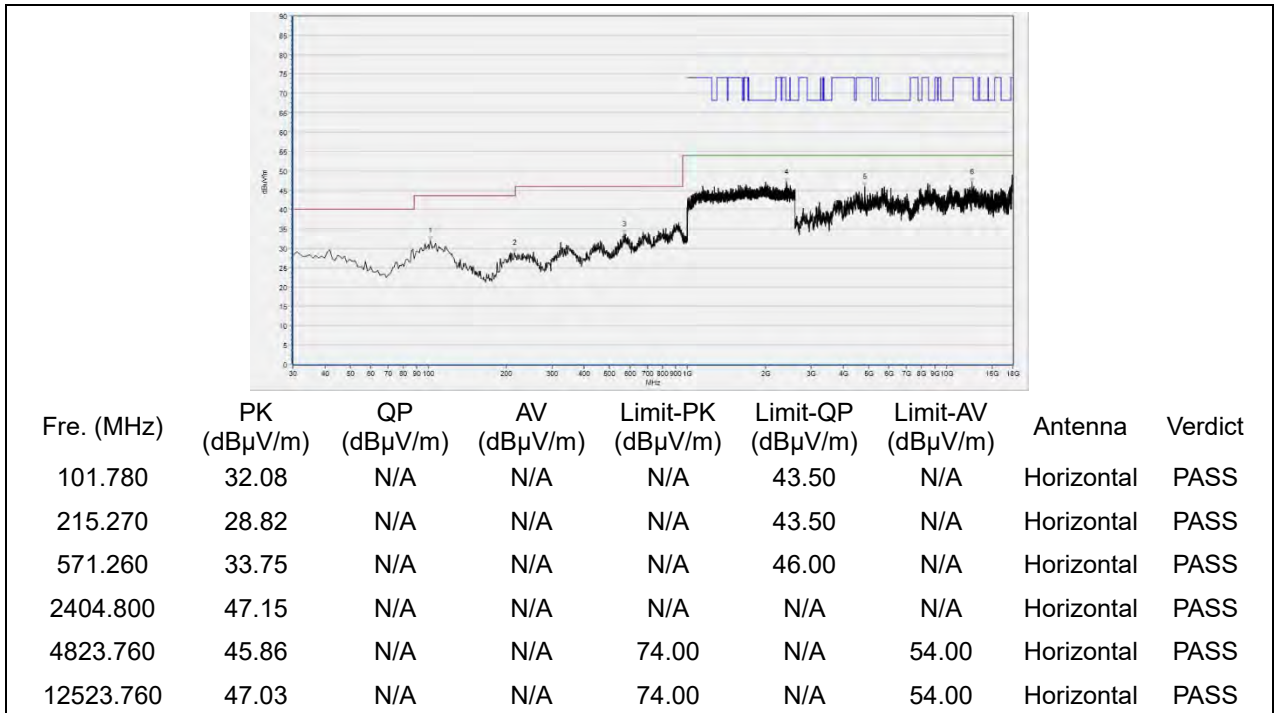
(Antenna Horizontal, 30MHz to 18GHz)



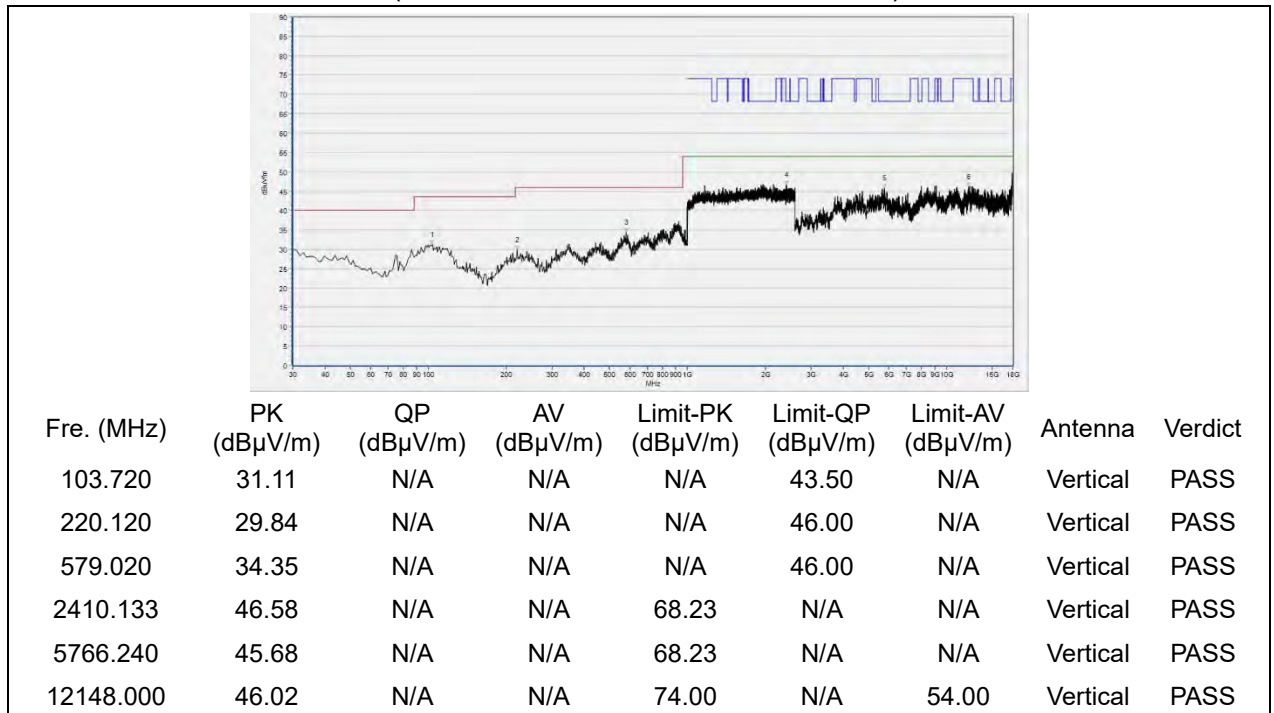
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	31.61	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
245.340	30.00	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
577.080	34.61	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1963.200	47.90	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5741.600	45.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12730.120	46.69	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 —