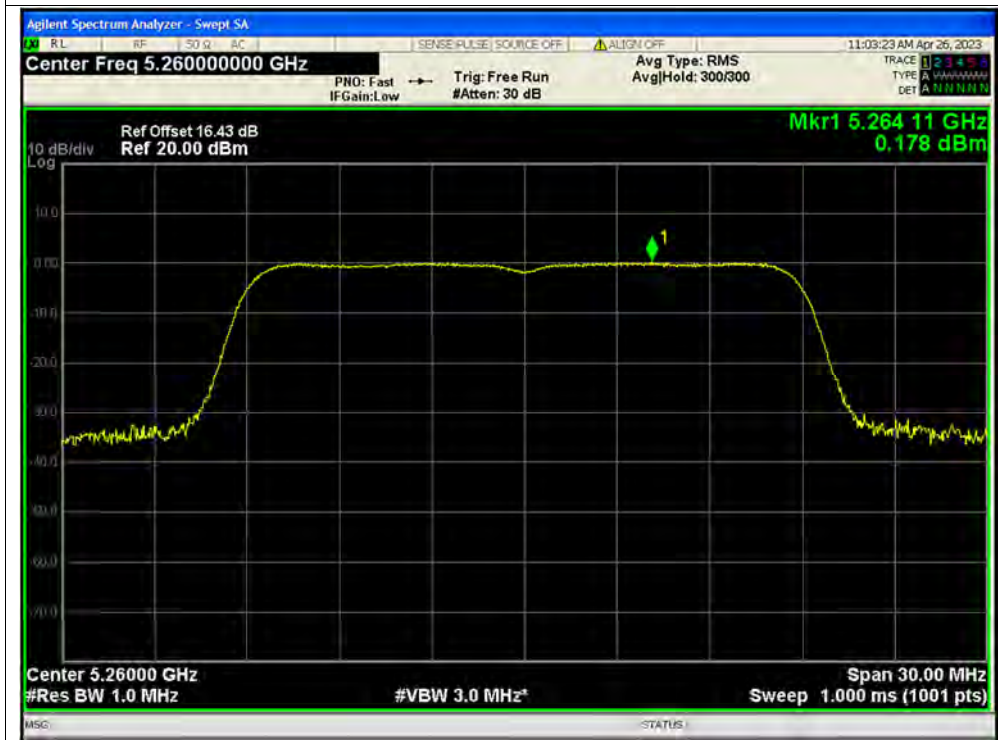
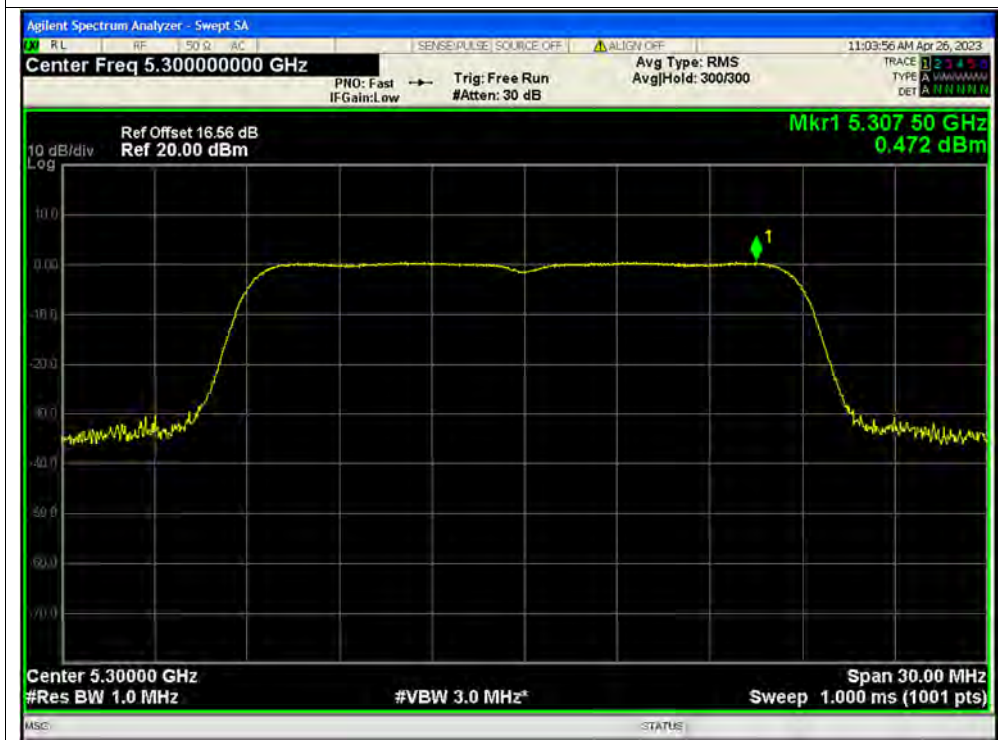




PSD NVNT ac20 5260MHz Ant1



PSD NVNT ac20 5300MHz Ant1



PSD NVNT ac20 5320MHz Ant1

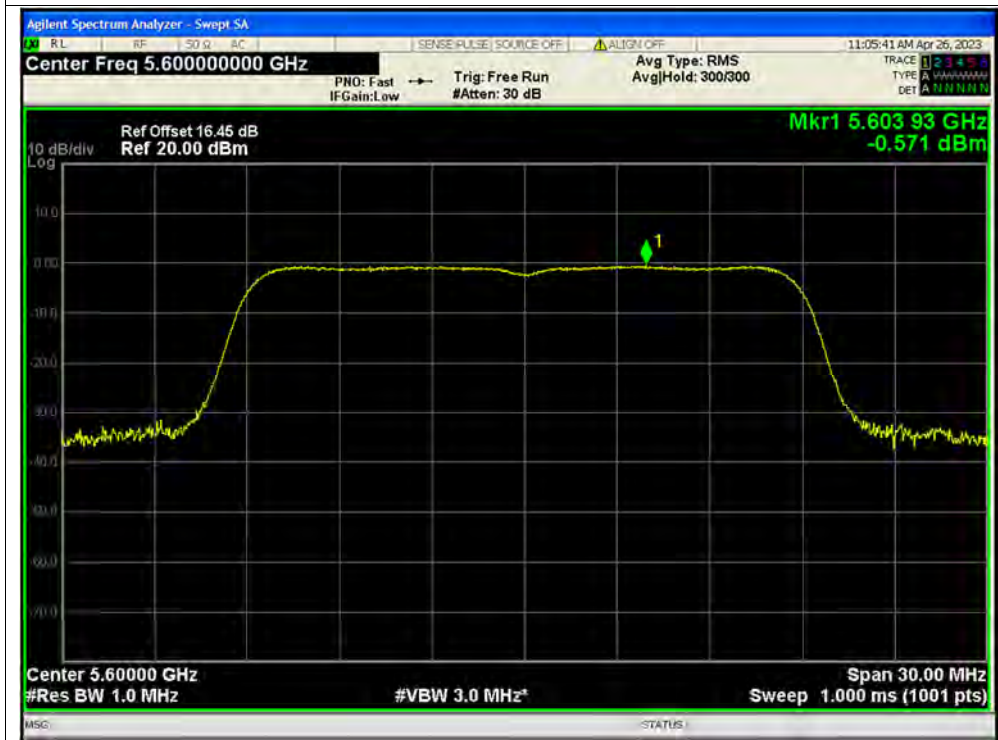


PSD NVNT ac20 5500MHz Ant1

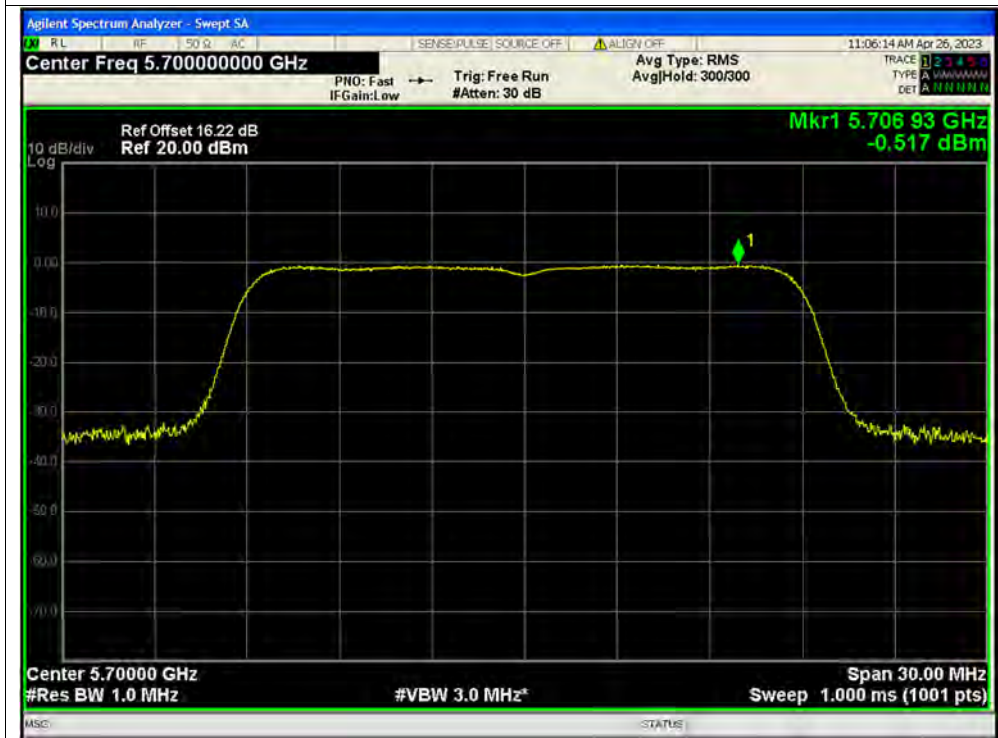




PSD NVNT ac20 5600MHz Ant1



PSD NVNT ac20 5700MHz Ant1





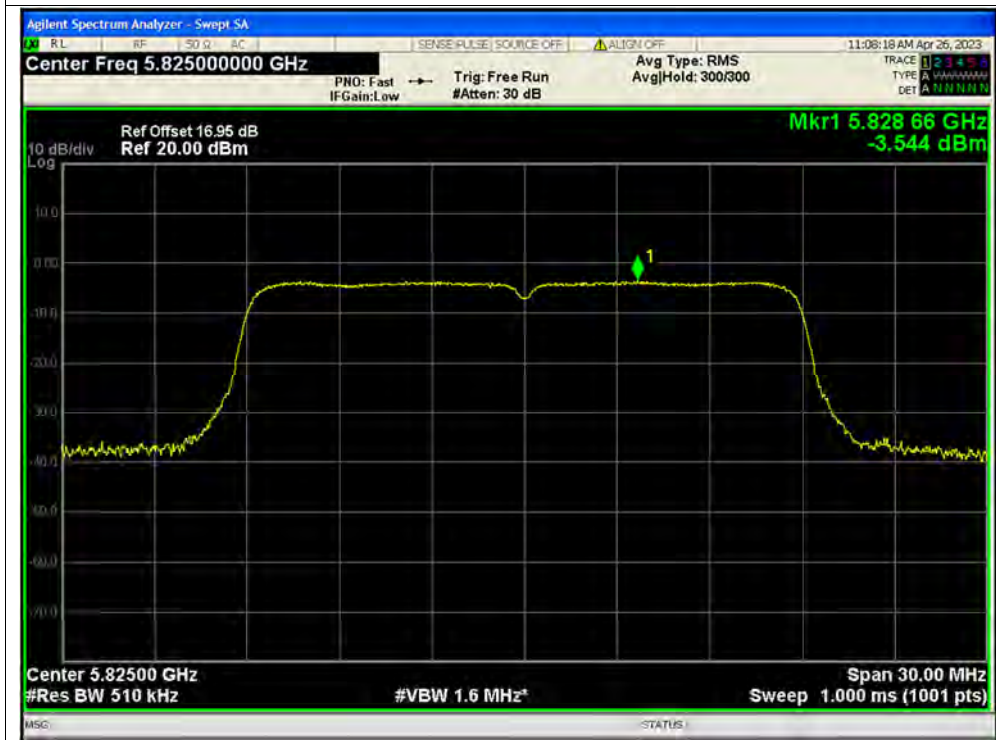
PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1



PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5190MHz Ant1





PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac40 5270MHz Ant1





PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac40 5510MHz Ant1

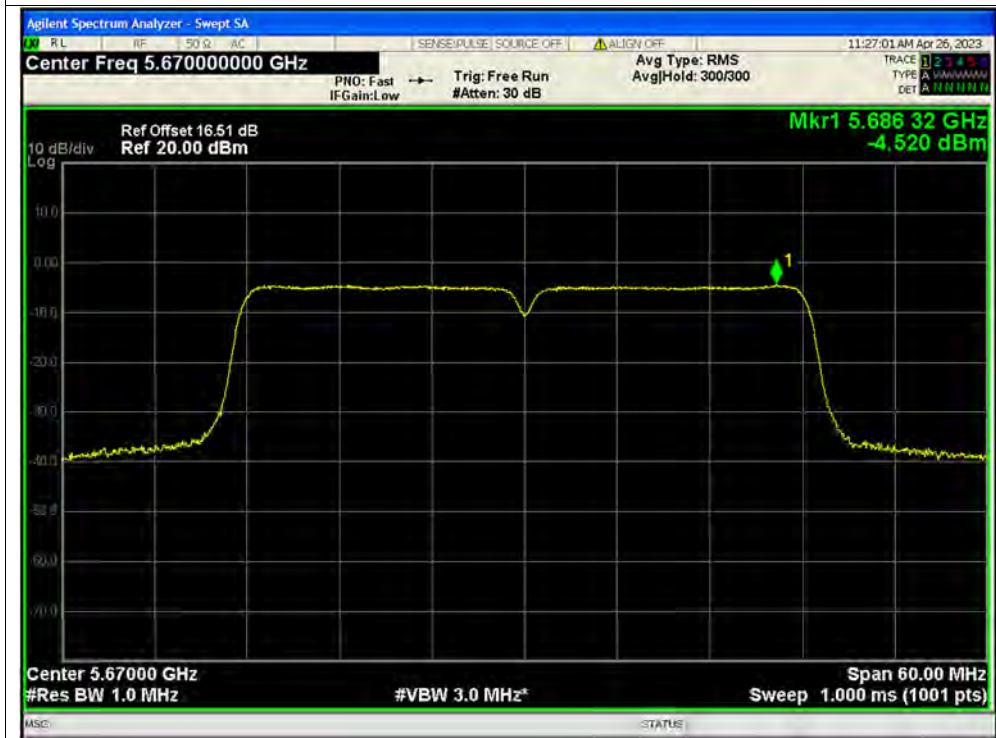




PSD NVNT ac40 5630MHz Ant1



PSD NVNT ac40 5710MHz 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	5179.989	-11000	-2.12	25	Pass
20C 4.4V	Carrier	5180	Ant1	5179.989	-11000	-2.12	25	Pass
-10C 3.85V	Carrier	5180	Ant1	5179.989	-11000	-2.12	25	Pass
0C 3.85V	Carrier	5180	Ant1	5179.989	-11000	-2.12	25	Pass
10C 3.85V	Carrier	5180	Ant1	5179.989	-11000	-2.12	25	Pass
20C 3.85V	Carrier	5180	Ant1	5179.989	-11000	-2.12	25	Pass
30C 3.85V	Carrier	5180	Ant1	5179.989	-11000	-2.12	25	Pass
40C 3.85V	Carrier	5180	Ant1	5179.989	-11000	-2.12	25	Pass
55C 3.85V	Carrier	5180	Ant1	5179.989	-11000	-2.12	25	Pass
20C 3.6V	Carrier	5260	Ant1	5259.988	-12000	-2.28	25	Pass
20C 4.4V	Carrier	5260	Ant1	5259.988	-12000	-2.28	25	Pass
-10C 3.85V	Carrier	5260	Ant1	5259.988	-12000	-2.28	25	Pass
0C 3.85V	Carrier	5260	Ant1	5259.988	-12000	-2.28	25	Pass
10C 3.85V	Carrier	5260	Ant1	5259.988	-12000	-2.28	25	Pass
20C 3.85V	Carrier	5260	Ant1	5259.988	-12000	-2.28	25	Pass
30C 3.85V	Carrier	5260	Ant1	5259.988	-12000	-2.28	25	Pass
40C 3.85V	Carrier	5260	Ant1	5259.988	-12000	-2.28	25	Pass
55C 3.85V	Carrier	5260	Ant1	5259.988	-12000	-2.28	25	Pass
20C 3.6V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
20C 4.4V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
-10C 3.85V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass



0C 3.85V	Carrier	5500	Ant1	5499.987	-13000	-2.36	25	Pass
10C 3.85V	Carrier	5500	Ant1	5499.987	-13000	-2.36	25	Pass
20C 3.85V	Carrier	5500	Ant1	5499.987	-13000	-2.36	25	Pass
30C 3.85V	Carrier	5500	Ant1	5499.987	-13000	-2.36	25	Pass
40C 3.85V	Carrier	5500	Ant1	5499.987	-13000	-2.36	25	Pass
55C 3.85V	Carrier	5500	Ant1	5499.987	-13000	-2.36	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	5744.987	-13000	-2.26	25	Pass
20C 3.85V	Carrier	5745	Ant1	5744.987	-13000	-2.26	25	Pass
30C 3.85V	Carrier	5745	Ant1	5744.987	-13000	-2.26	25	Pass
40C 3.85V	Carrier	5745	Ant1	5744.987	-13000	-2.26	25	Pass
55C 3.85V	Carrier	5745	Ant1	5744.987	-13000	-2.26	25	Pass



A.6. Dynamic Frequency Selection

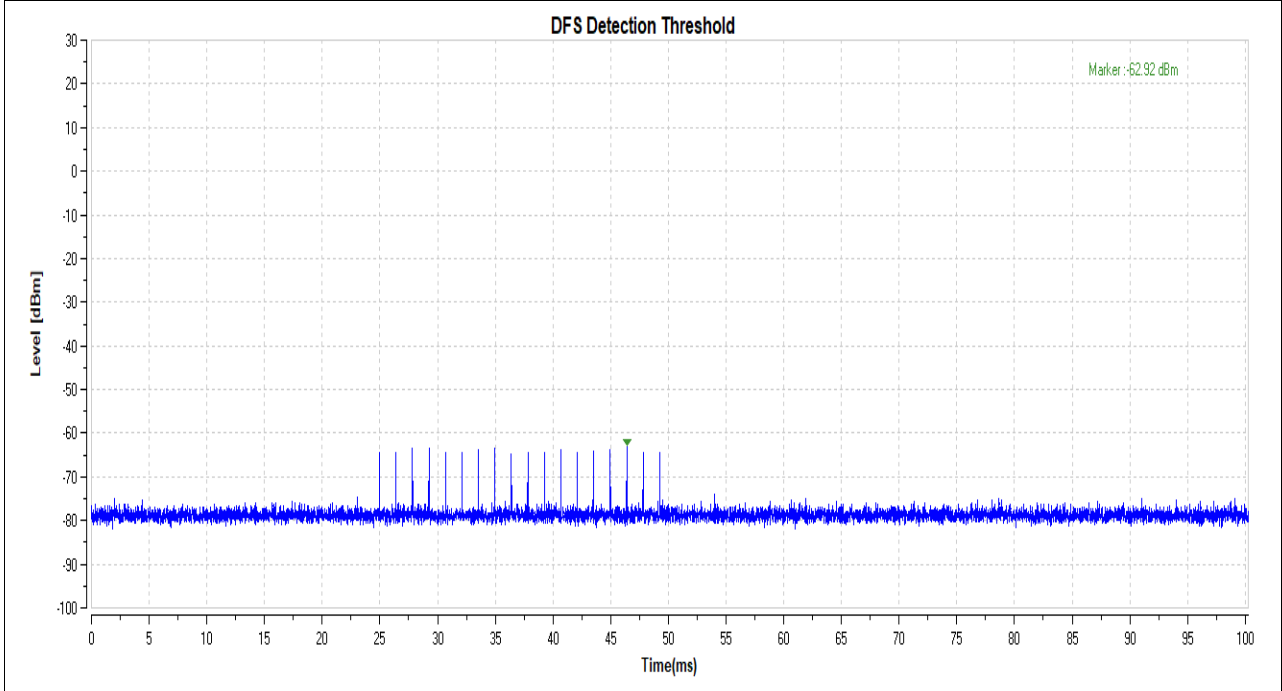
Detection Thresholds

Mode	Frequency (MHz)	Result	Limit[dbm]	Verdict
11AC20SISO	5320	-62.92	-59.00	Pass
11AC20SISO	5500	-62.12	-59.00	Pass
11AC80SISO	5290	-62.45	-59.00	Pass
11AC80SISO	5530	-62.74	-59.00	Pass

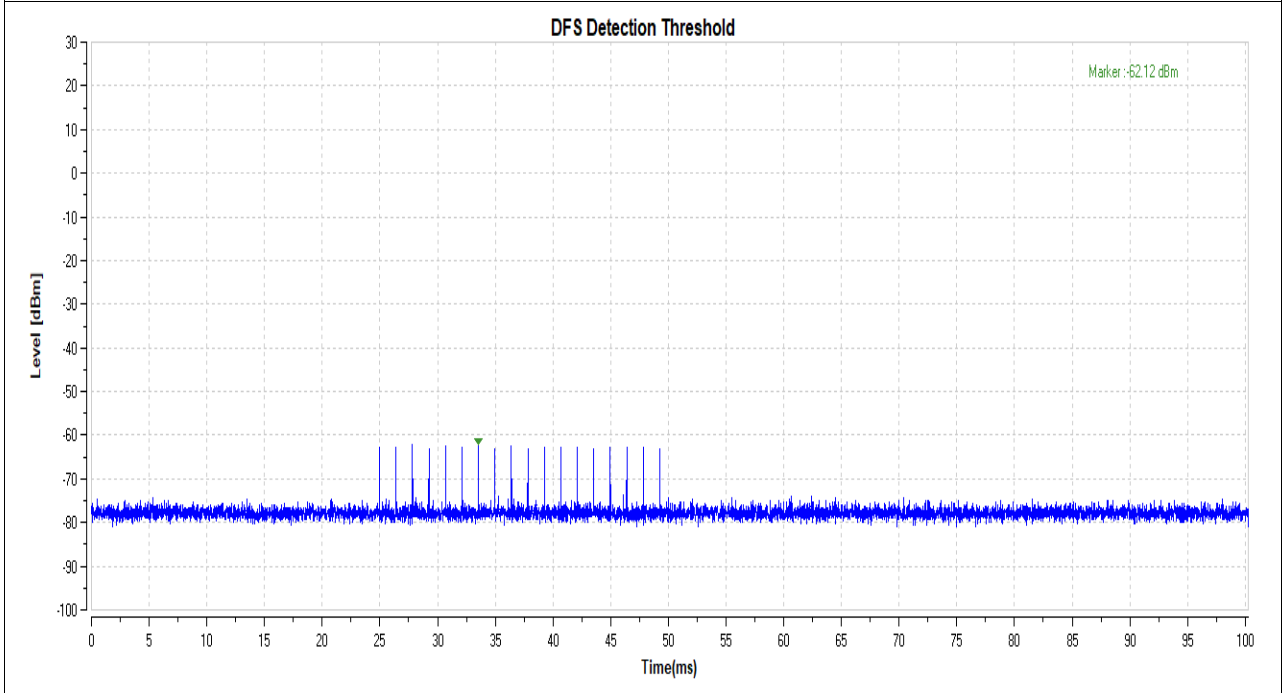


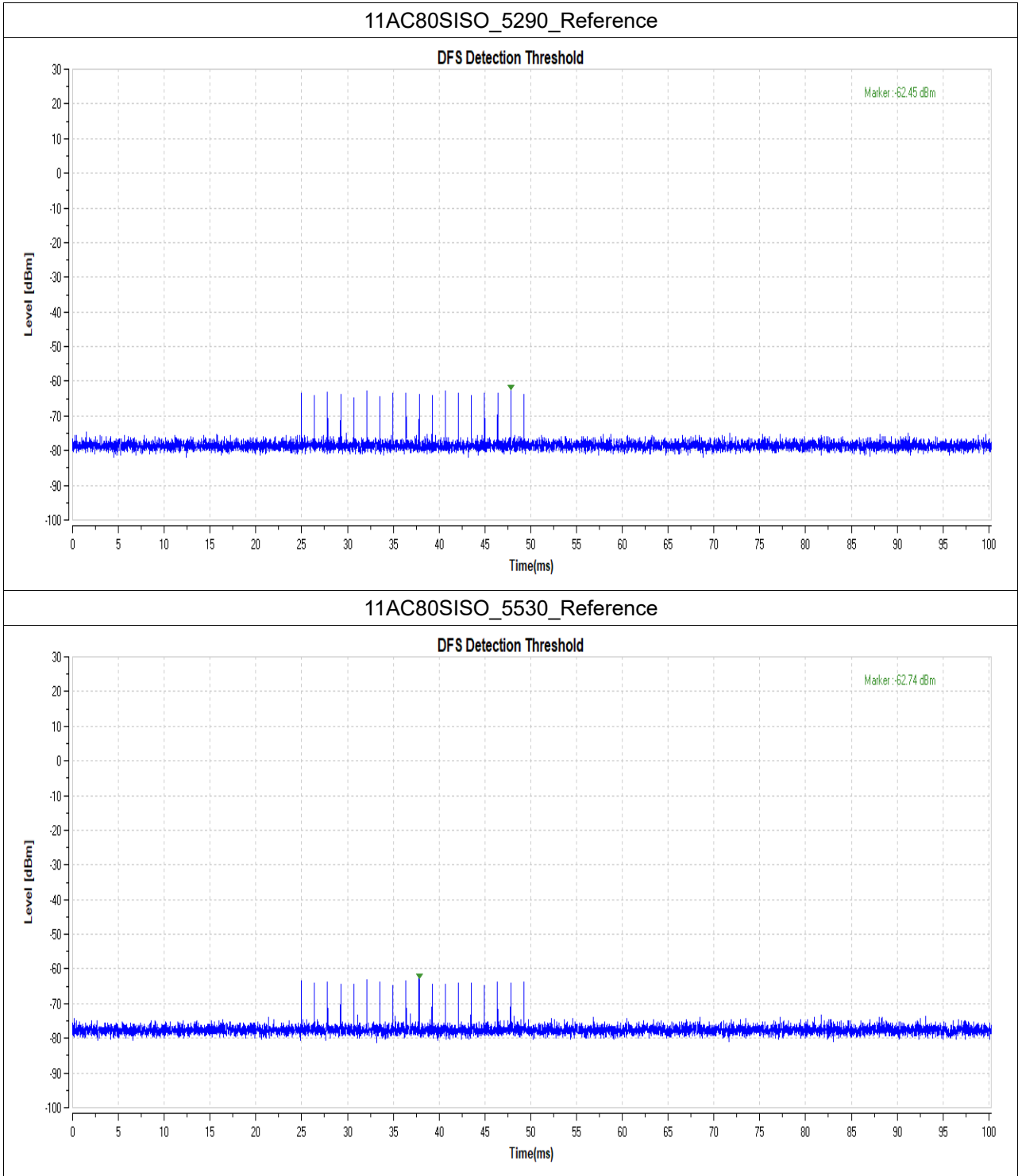
Test Graphs

11AC20SISO_5320_Reference



11AC20SISO_5500_Reference

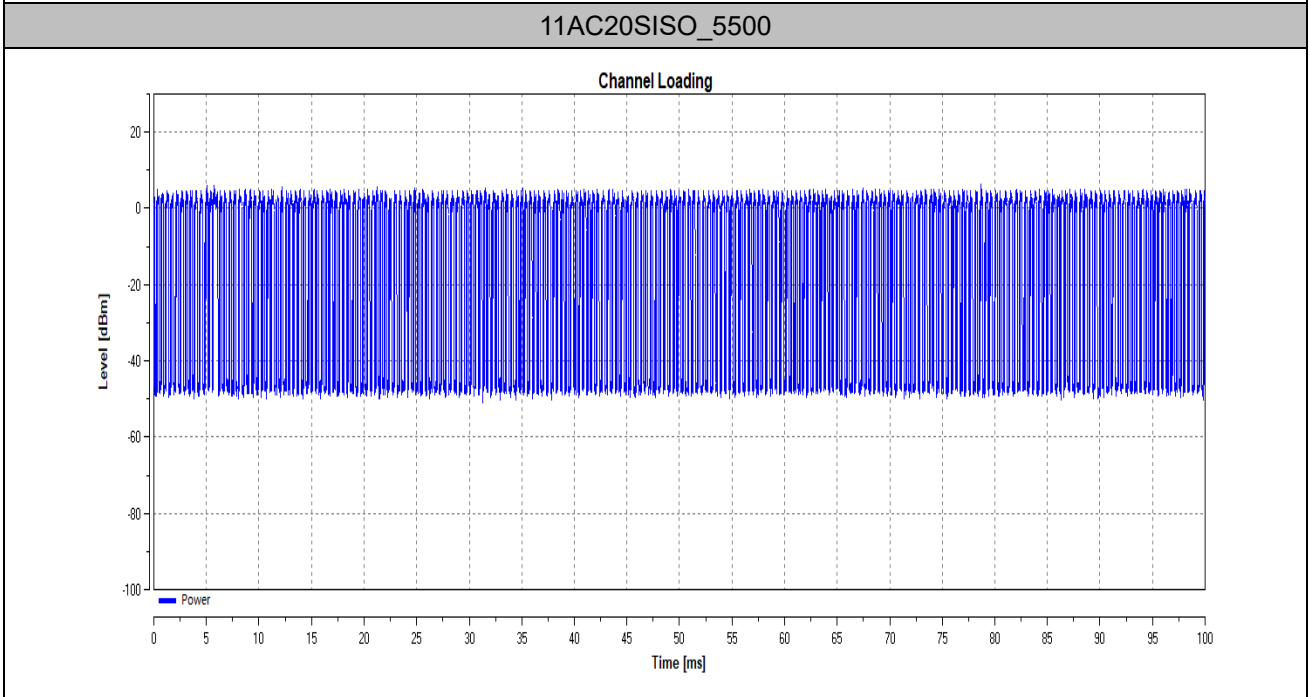
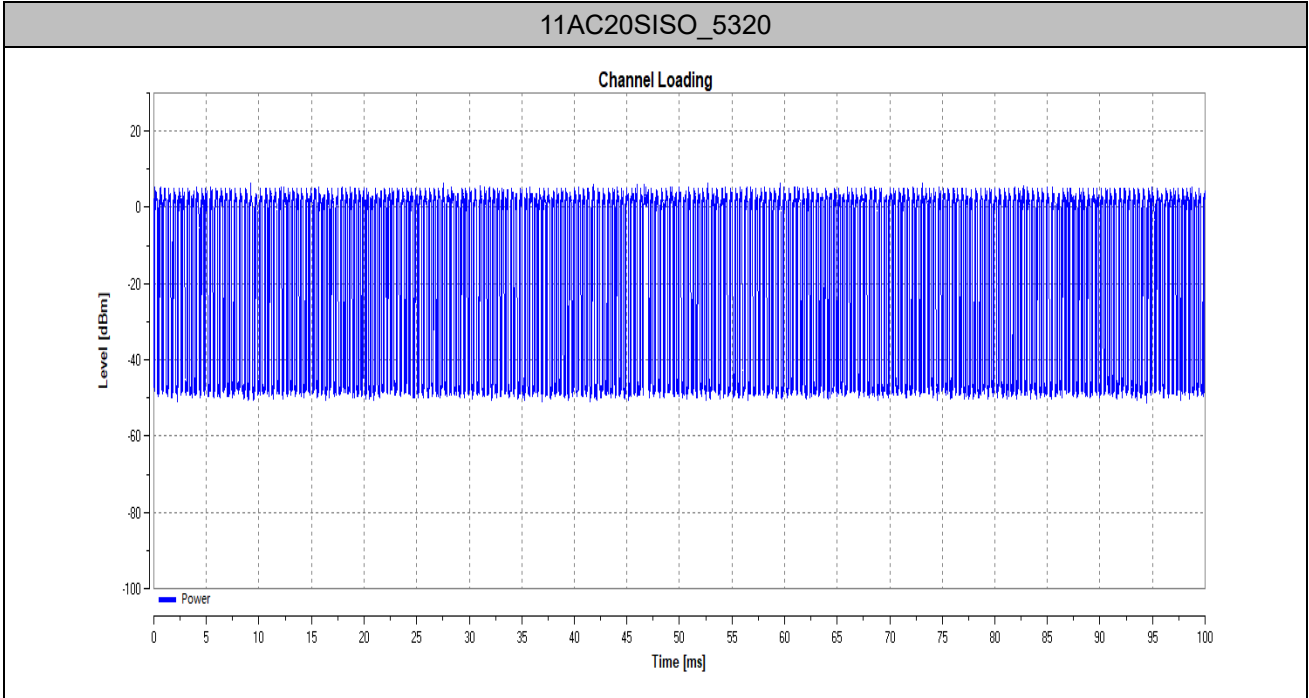






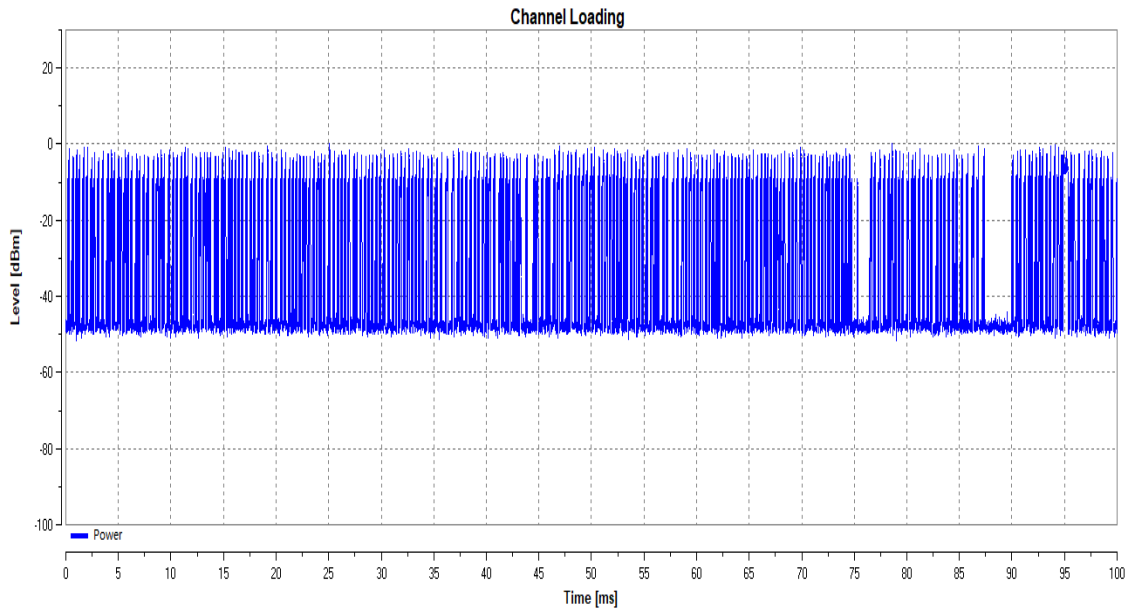
Channel Loading

Test Mode	Channel	Result	Limit [%]	Verdict
11AC20SISO	5320	53.36	30	PASS
	5500	53.53	30	PASS
11AC80SISO	5290	34.85	30	PASS
	5530	37.03	30	PASS

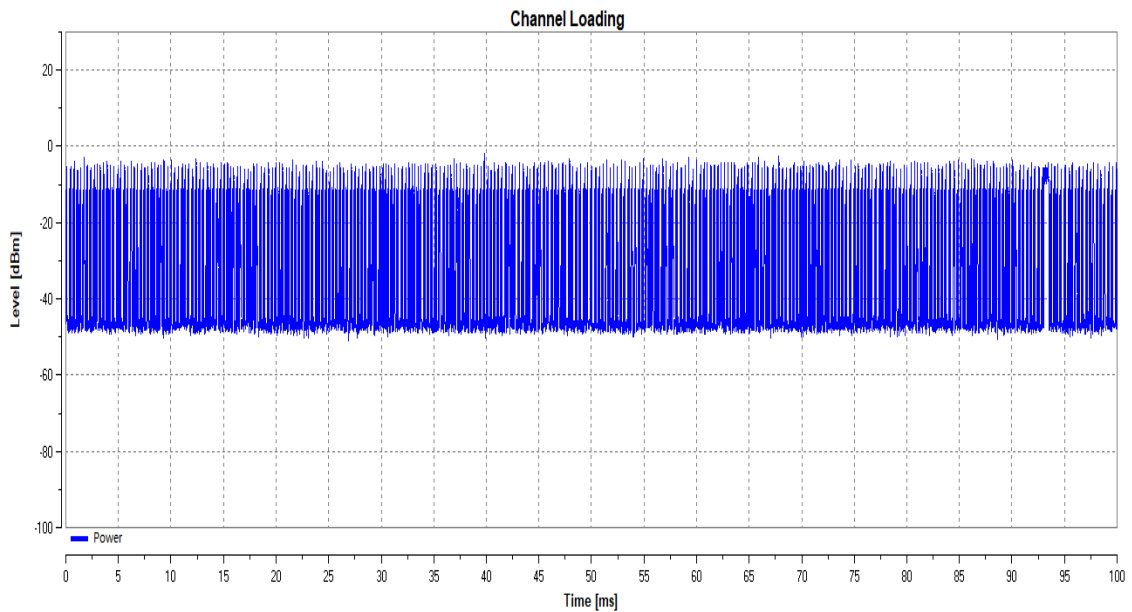




11AC80SISO_5290



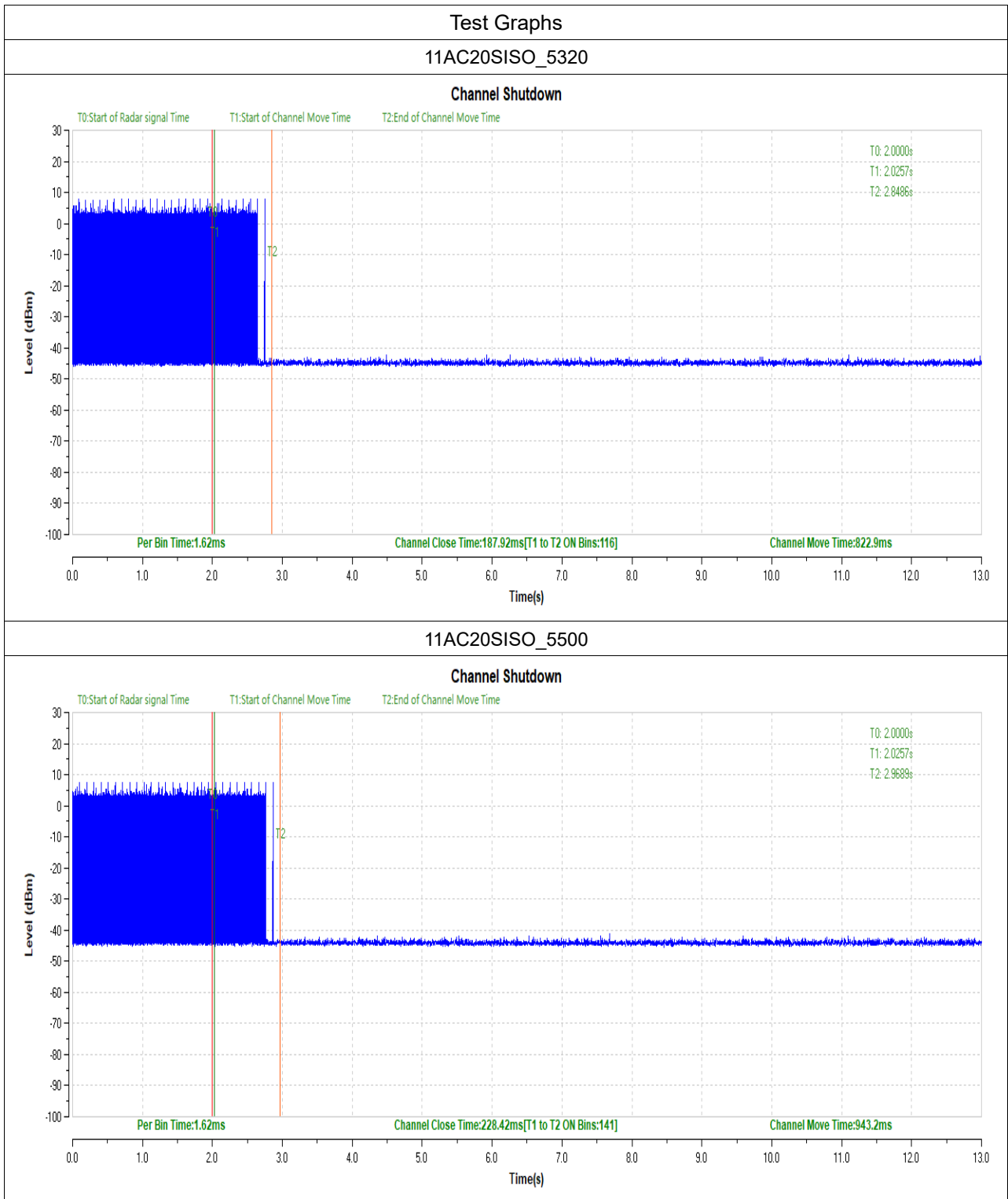
11AC80SISO_5530

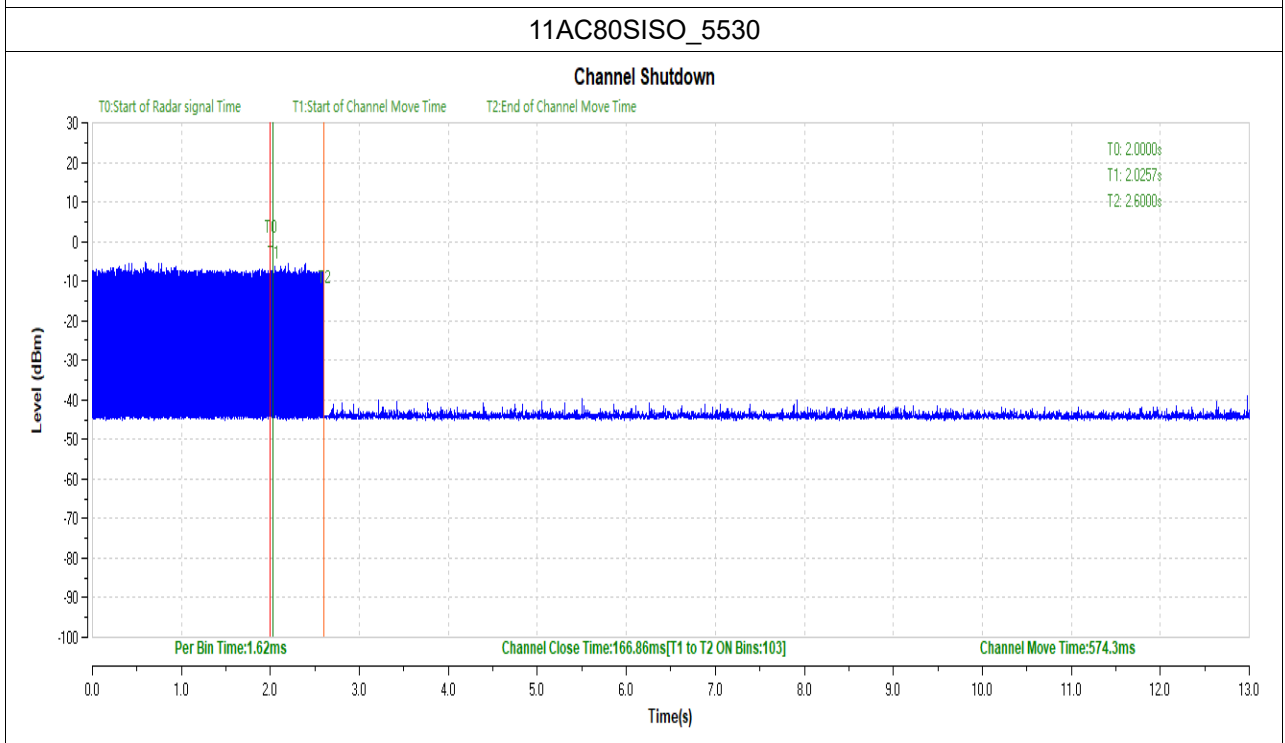
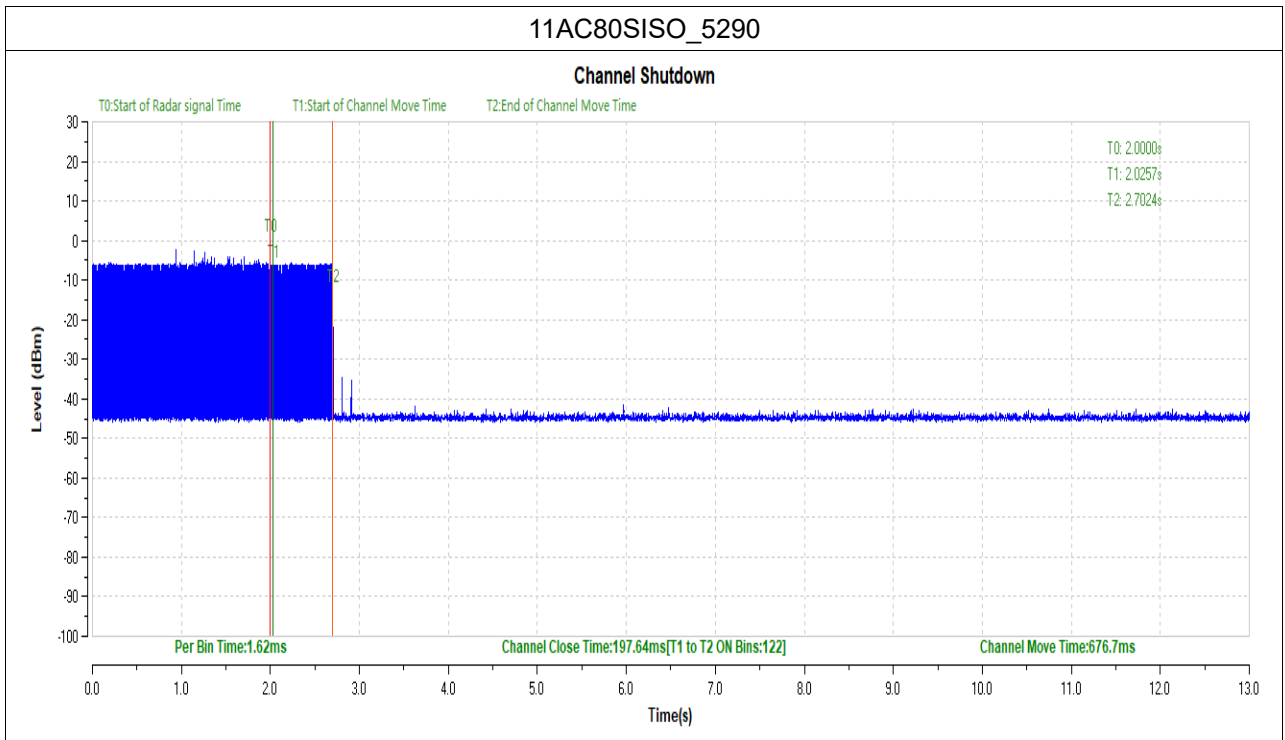




Channel Move Time and Channel Closing Transmission Time

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC20SISO	5320	187.92	260	822.9	10000	PASS
	5500	228.42	260	943.2	10000	PASS
11AC80SISO	5290	197.64	260	676.7	10000	PASS
	5530	166.86	260	574.3	10000	PASS

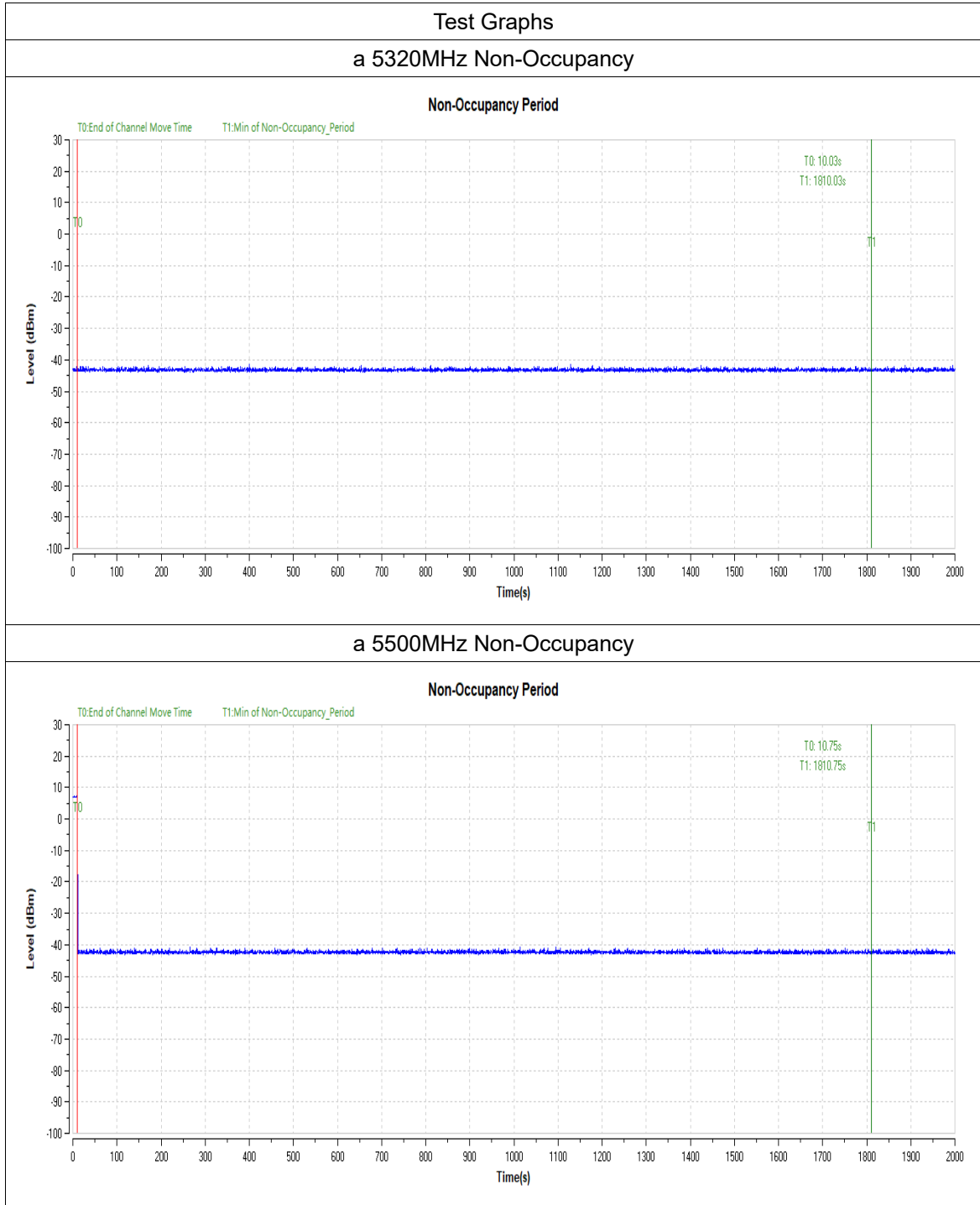






Non-Occupancy Period

Mode	Frequency (MHz)	Result	Verdict
11AC20SISO	5320	See test Graph	Pass
11AC20SISO	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

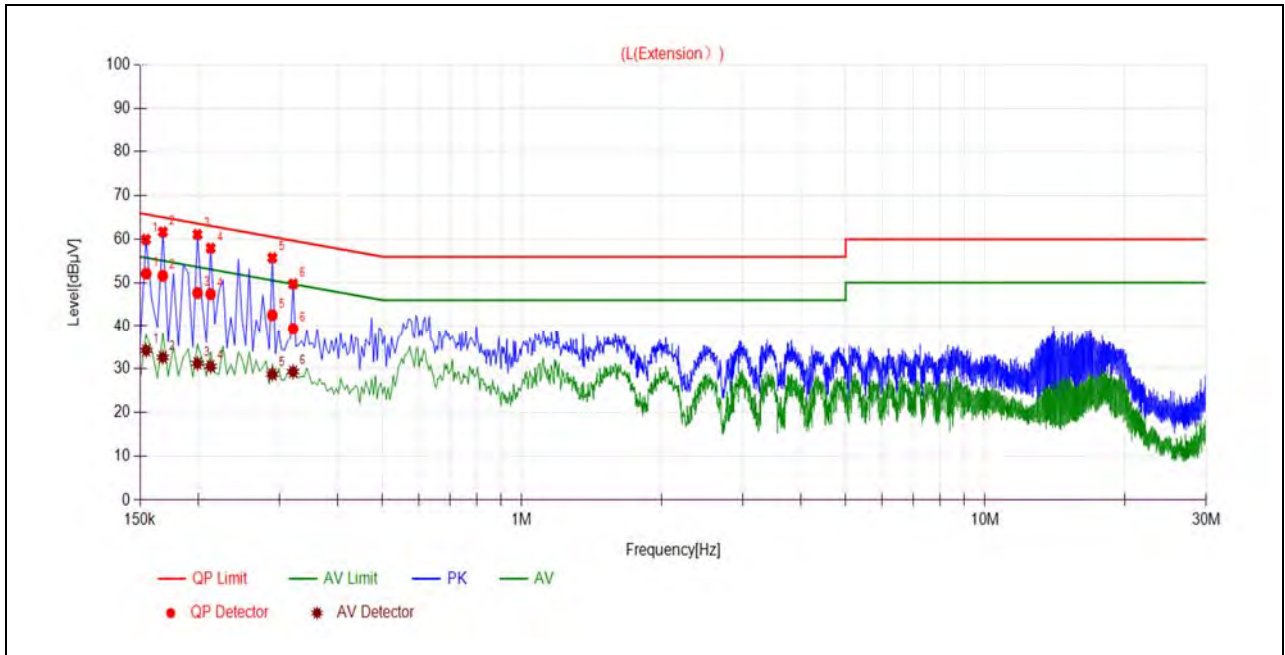
The measurement results are obtained as below:

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

U_R : Receiver Reading

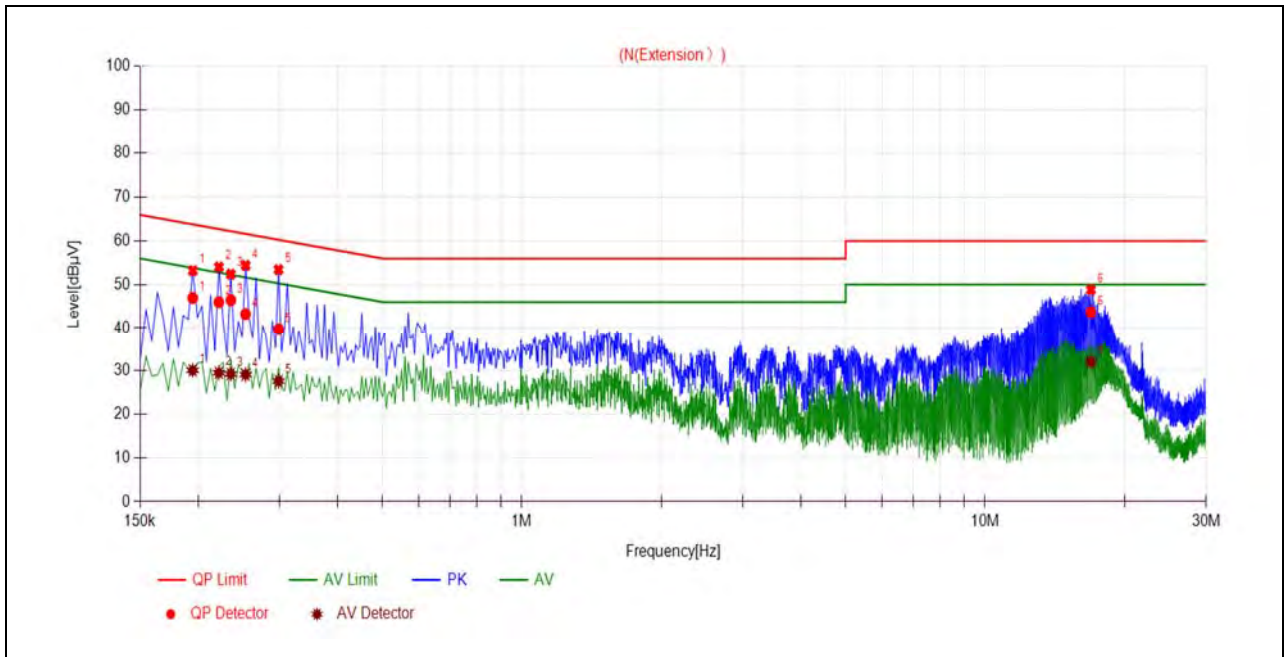
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1546	52.11	34.22	65.75	55.75	Line	PASS
2	0.1679	51.60	32.63	65.06	55.06		PASS
3	0.1995	47.64	31.25	63.63	53.63		PASS
4	0.2129	47.39	30.57	63.09	53.09		PASS
5	0.2894	42.52	28.77	60.54	50.54		PASS
6	0.3209	39.30	29.31	59.68	49.68		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1948	46.95	30.09	63.83	53.83	Neutral	PASS
2	0.2218	45.97	29.53	62.75	52.75		PASS
3	0.2355	46.44	29.23	62.25	52.25		PASS
4	0.2533	43.21	29.10	61.65	51.65		PASS
5	0.2987	39.71	27.62	60.28	50.28		PASS
6	16.9209	43.66	32.06	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

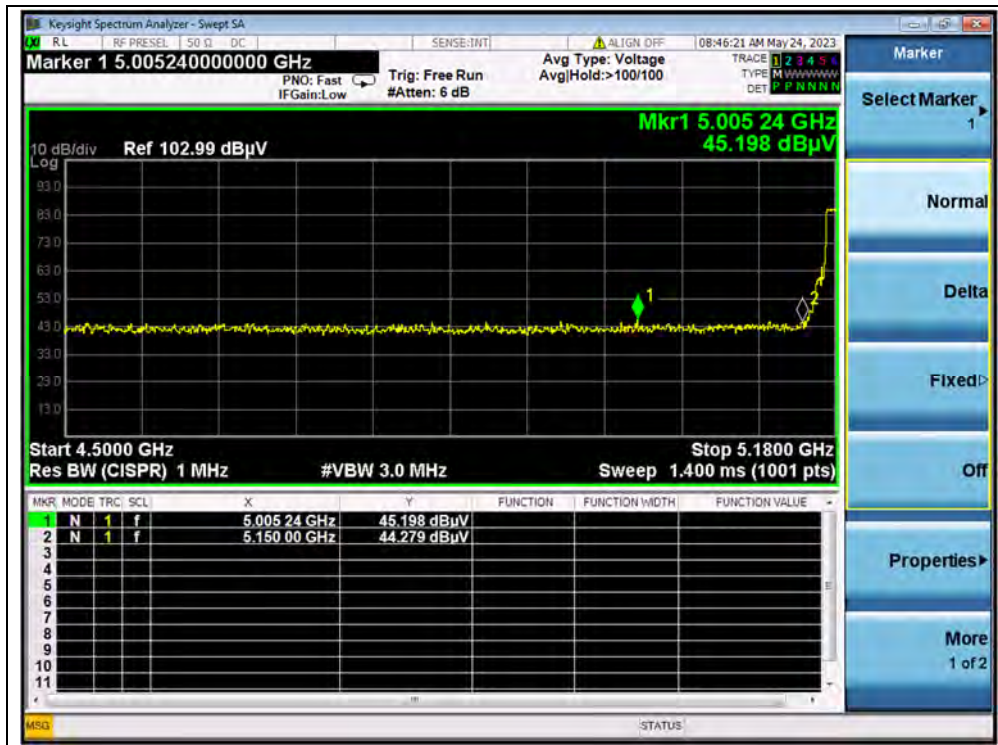
A_{Factor} : Antenna Factor at 3m

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.

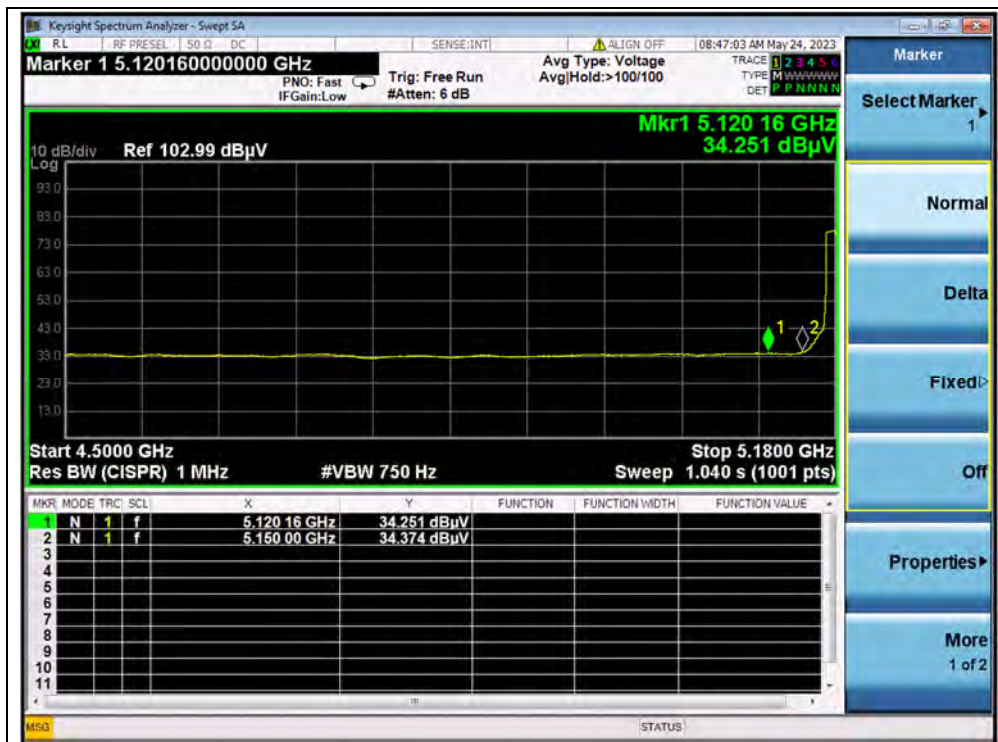
Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

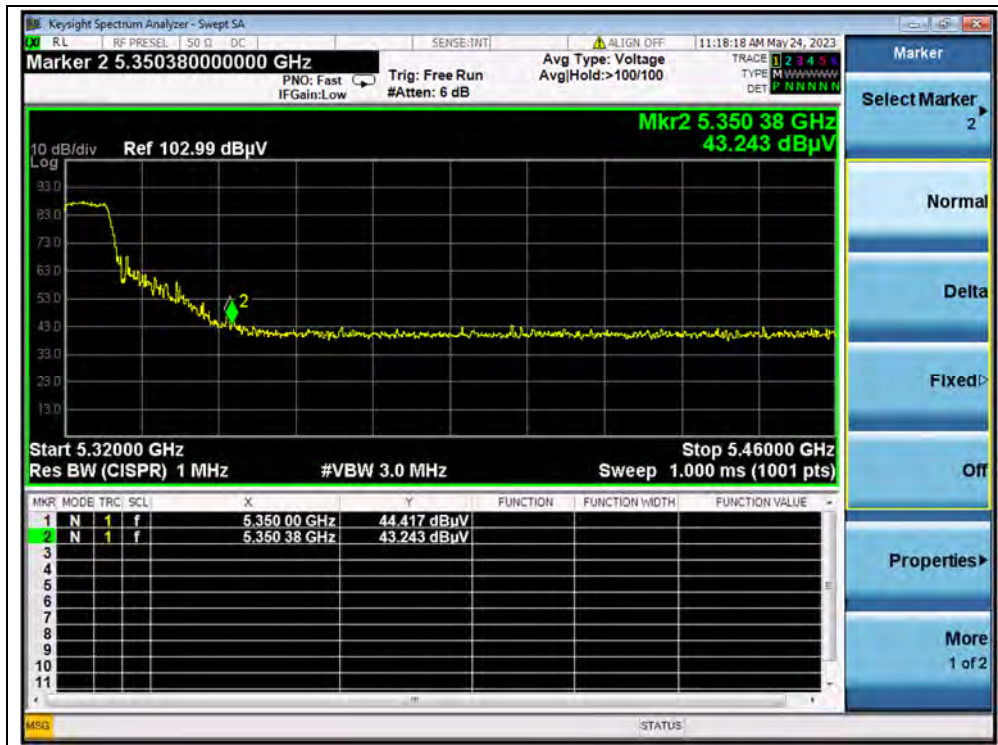
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)					
36	5005.24	PK	45.20	-19.54	32.20	57.86	74	PASS
36	5150.00	AV	34.37	-19.54	32.20	47.03	54	PASS
64	5350.00	PK	44.42	-18.80	32.20	57.82	74	PASS
64	5350.00	AV	33.46	-18.80	32.20	46.86	54	PASS
100	5468.00	PK	45.51	-19.20	32.20	58.51	68.23	PASS
100	5459.00	AV	32.38	-19.20	32.20	45.38	54	PASS
144	5726.70	PK	50.72	-19.20	32.20	63.72	68.23	PASS
149	5725.00	PK	54.31	-19.01	32.20	67.50	122.23	PASS
165	5850.00	PK	48.61	-19.01	32.20	61.80	122.23	PASS



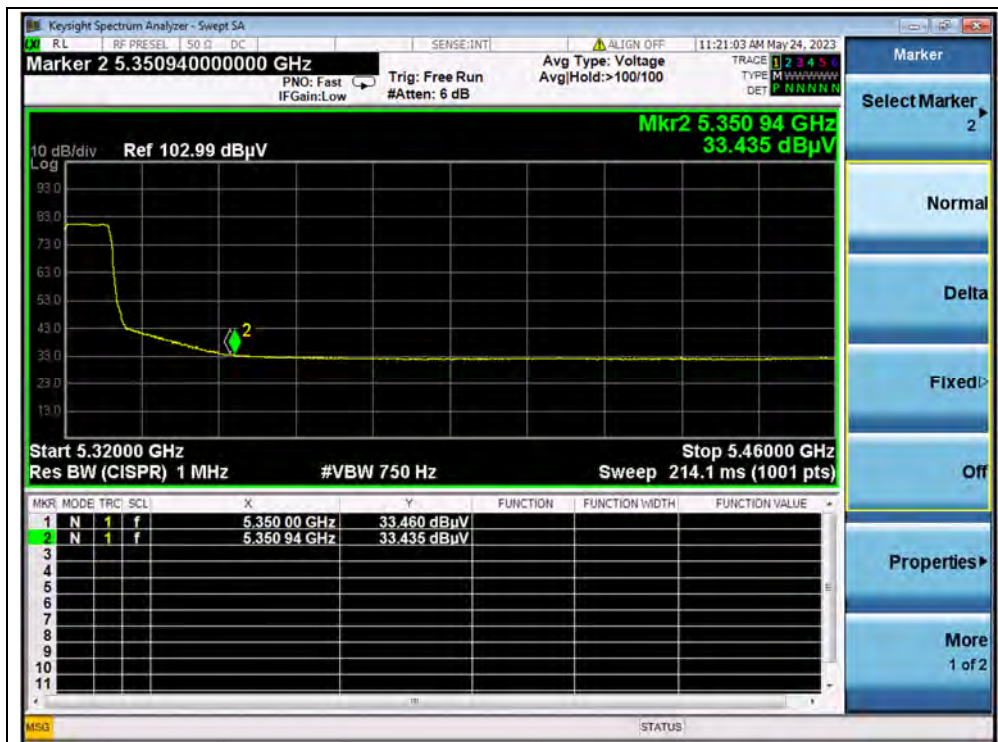
(PEAK, Channel 36, 802.11a)



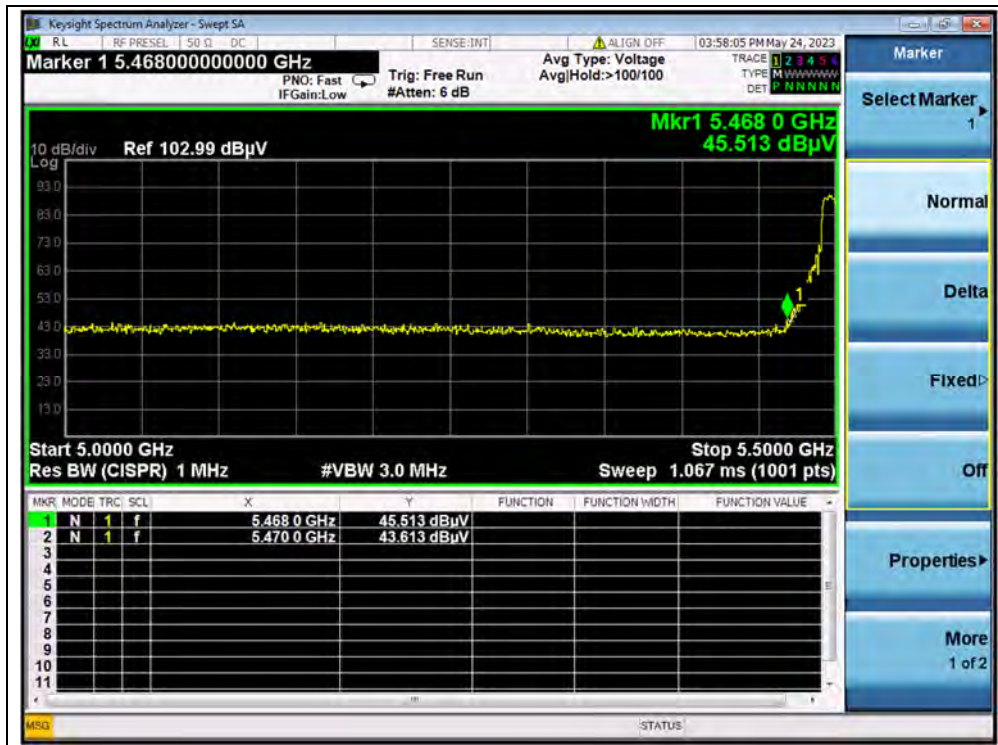
(AVERAGE, Channel 36, 802.11a)



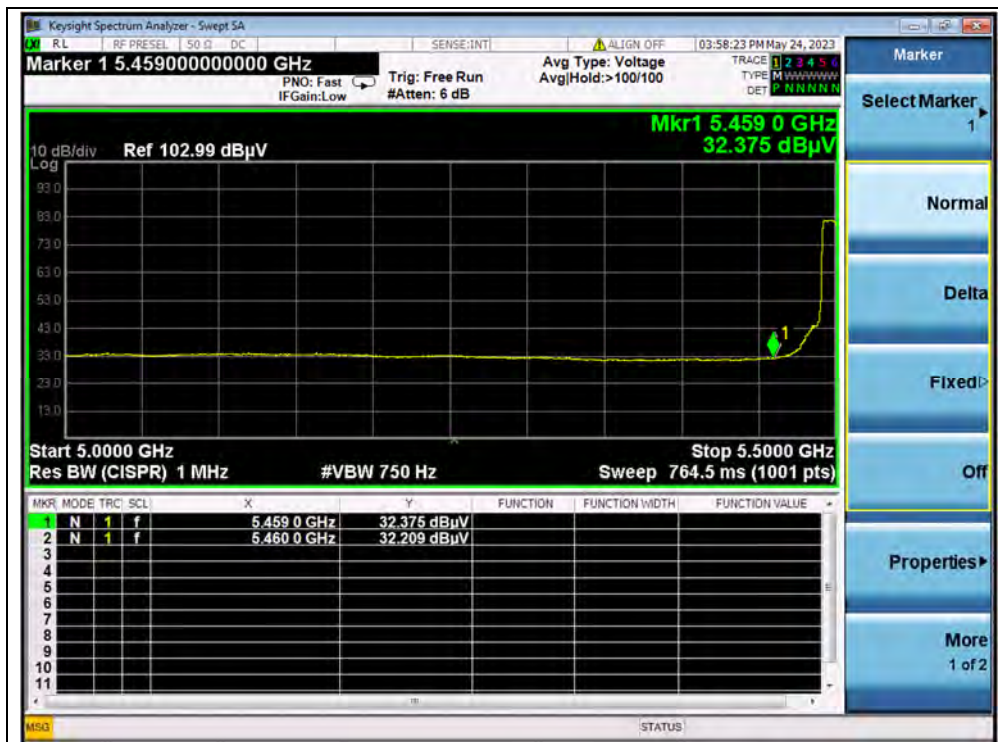
(PEAK, Channel 64, 802.11a)



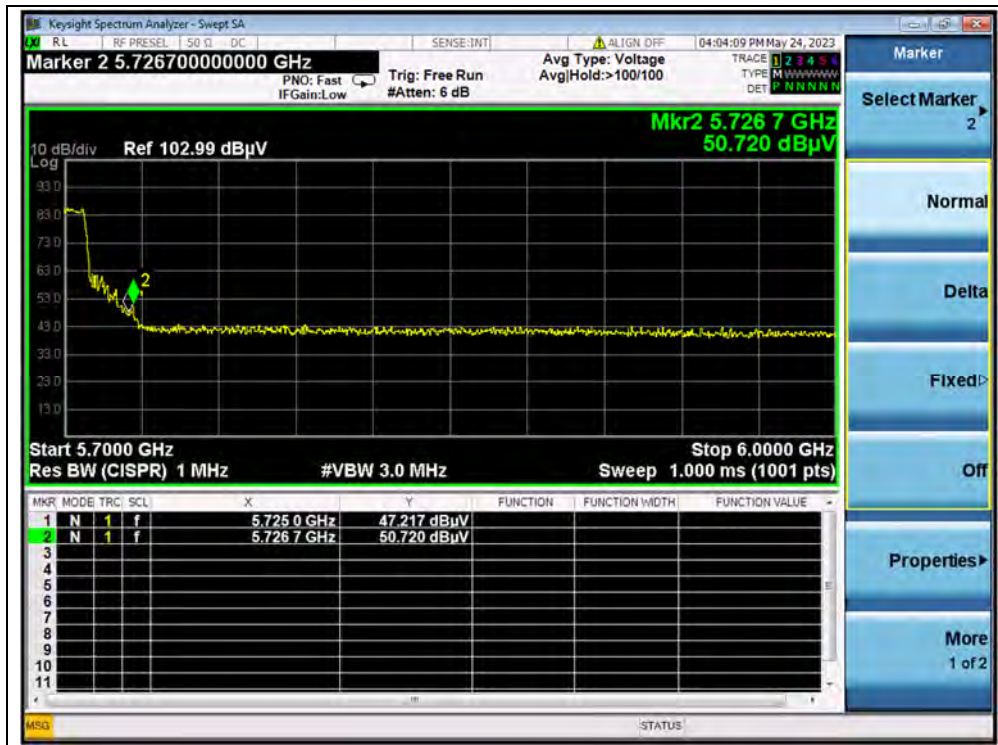
(AVERAGE, Channel 64, 802.11a)



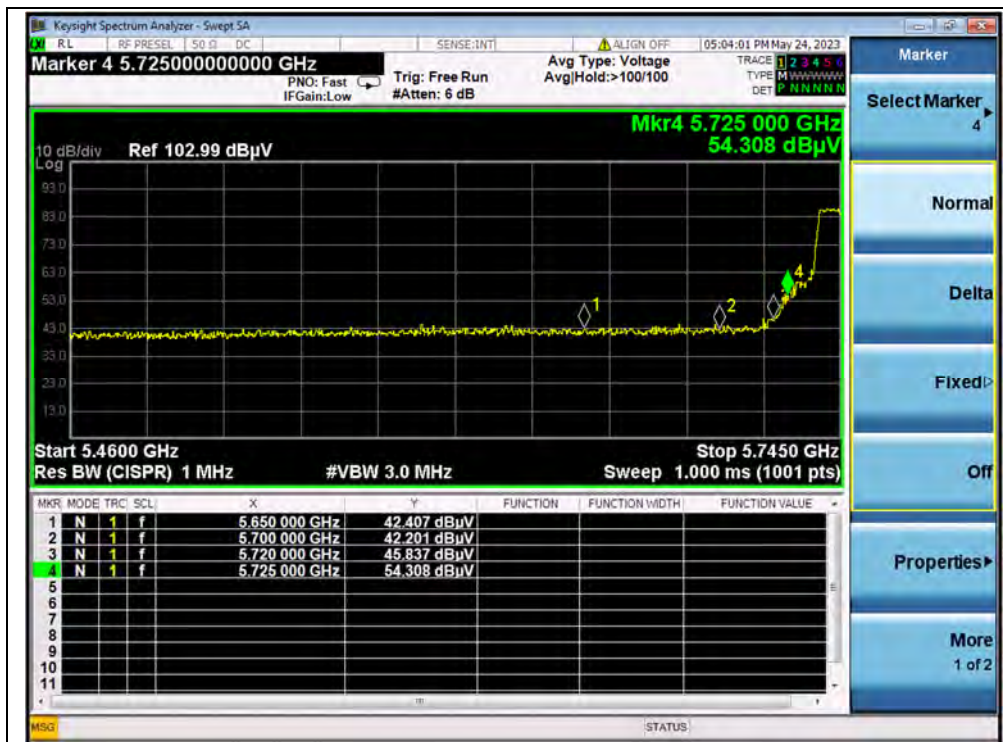
(PEAK, Channel 100, 802.11a)



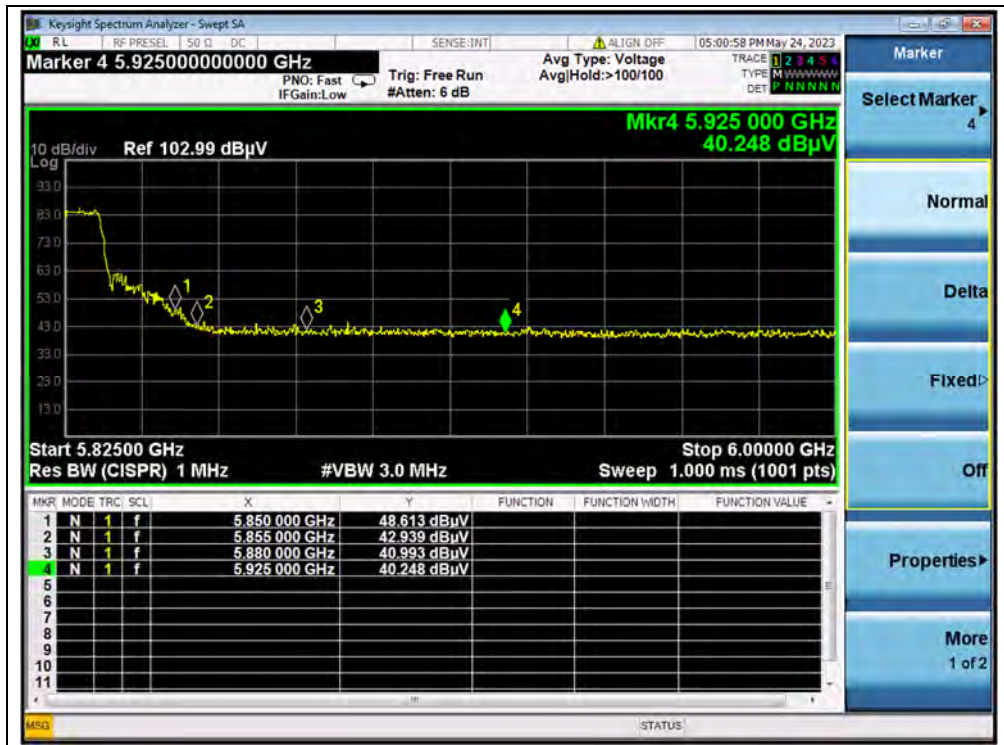
(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)

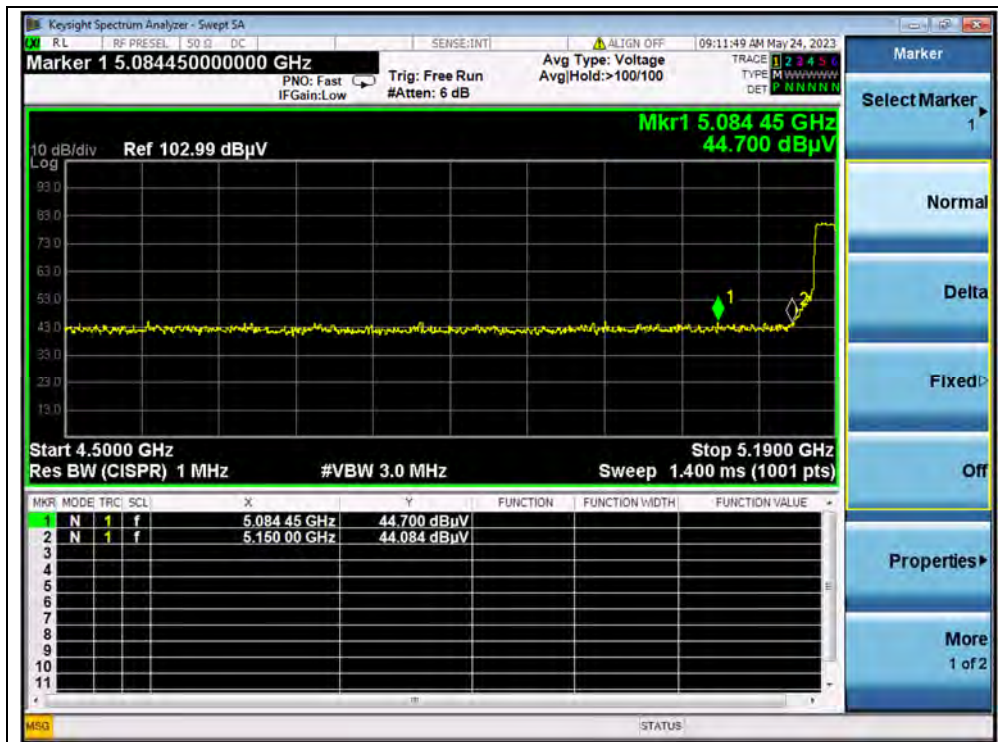


(PEAK, Channel 165, 802.11a)

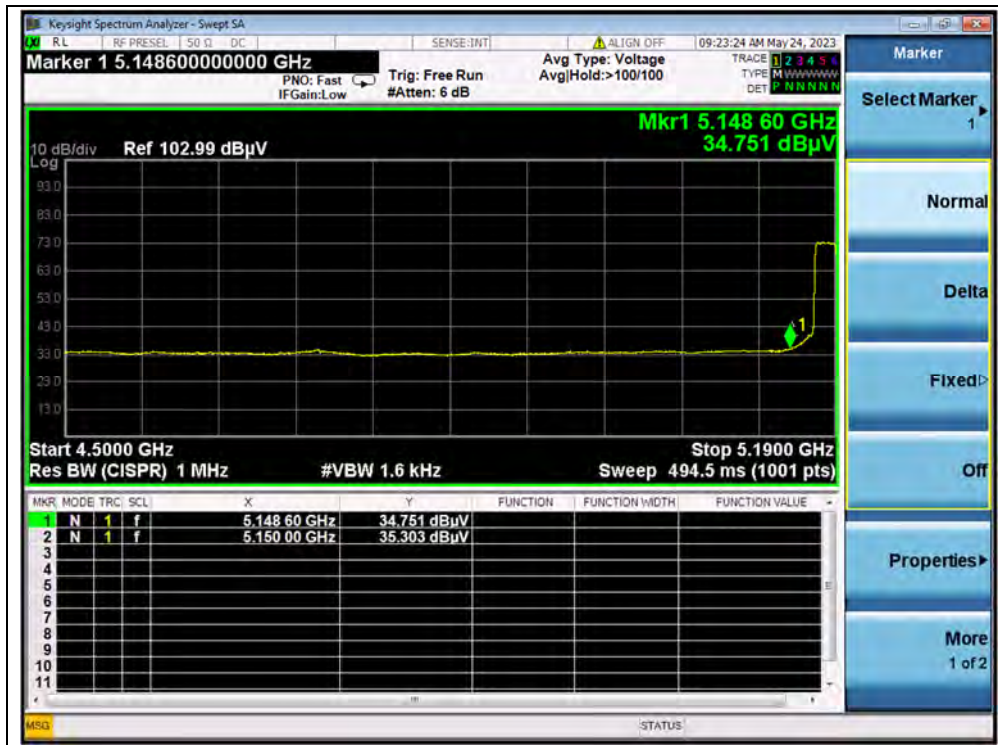


802.11n (HT40) Mode

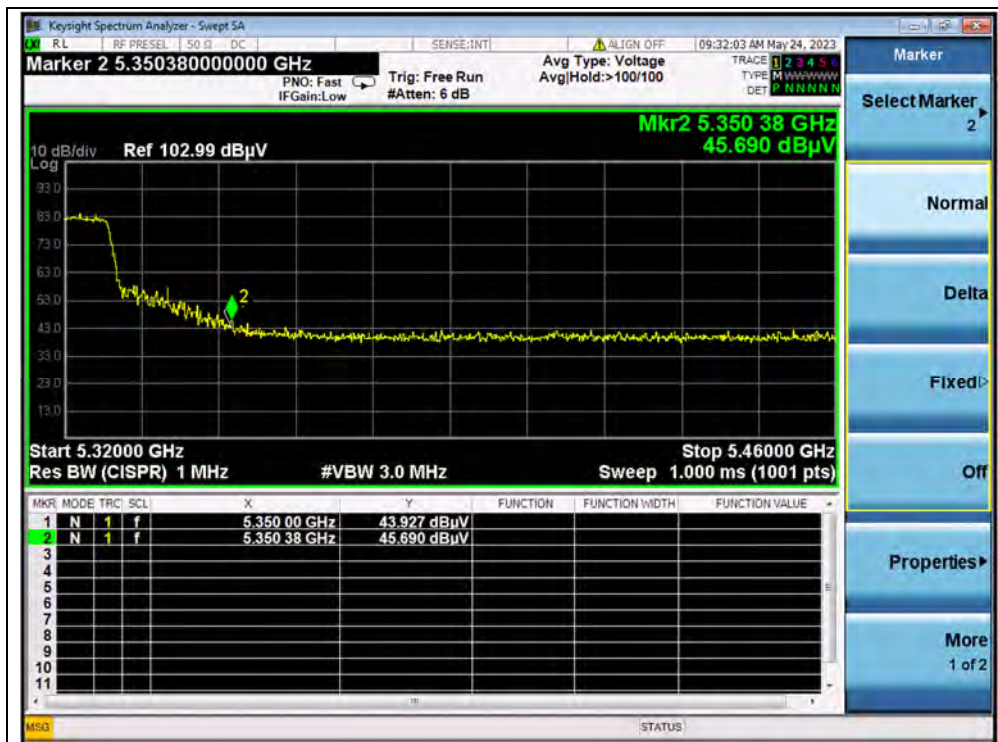
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
38	5084.45	PK	44.70	-19.54	32.20	57.36	74	PASS
38	5150.00	AV	35.30	-19.54	32.20	47.96	54	PASS
62	5350.00	PK	44.42	-18.80	32.20	57.82	74	PASS
62	5350.00	AV	33.46	-18.80	32.20	46.86	54	PASS
102	5470.00	PK	47.66	-19.20	32.20	60.66	68.23	PASS
102	5460.00	AV	32.81	-19.20	32.20	45.81	54	PASS
142	5735.67	PK	43.56	-19.20	32.20	56.56	68.23	PASS
151	5725.00	PK	49.02	-19.01	32.20	62.21	122.23	PASS
159	5850.00	PK	42.37	-19.01	32.20	55.56	122.23	PASS



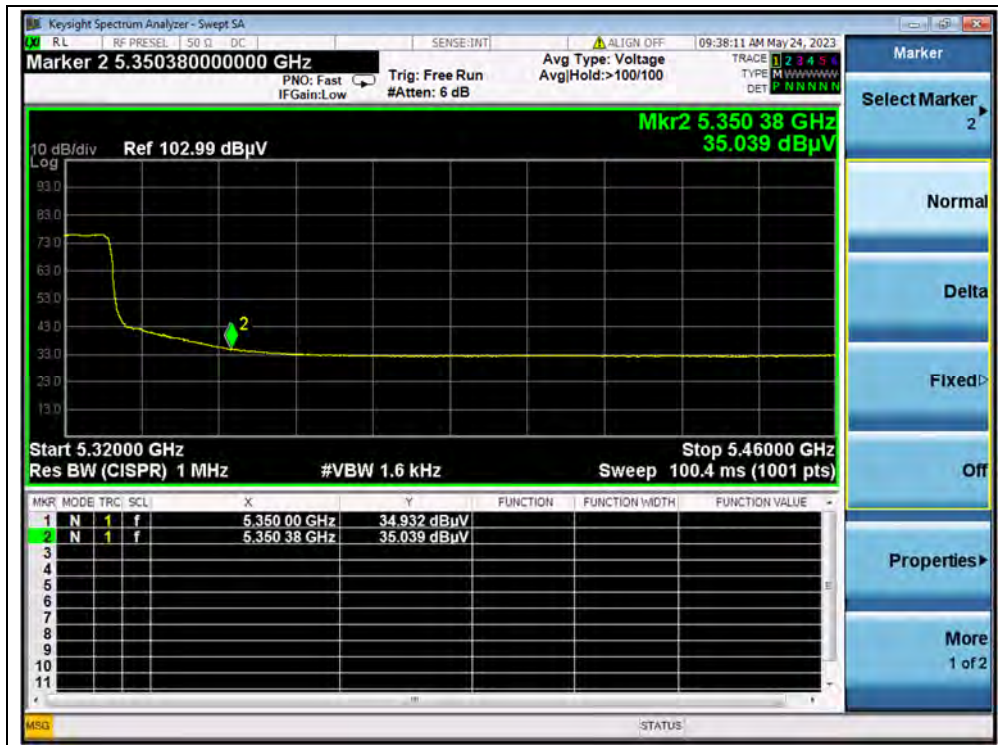
(PEAK, Channel 38, 802.11n (HT40))



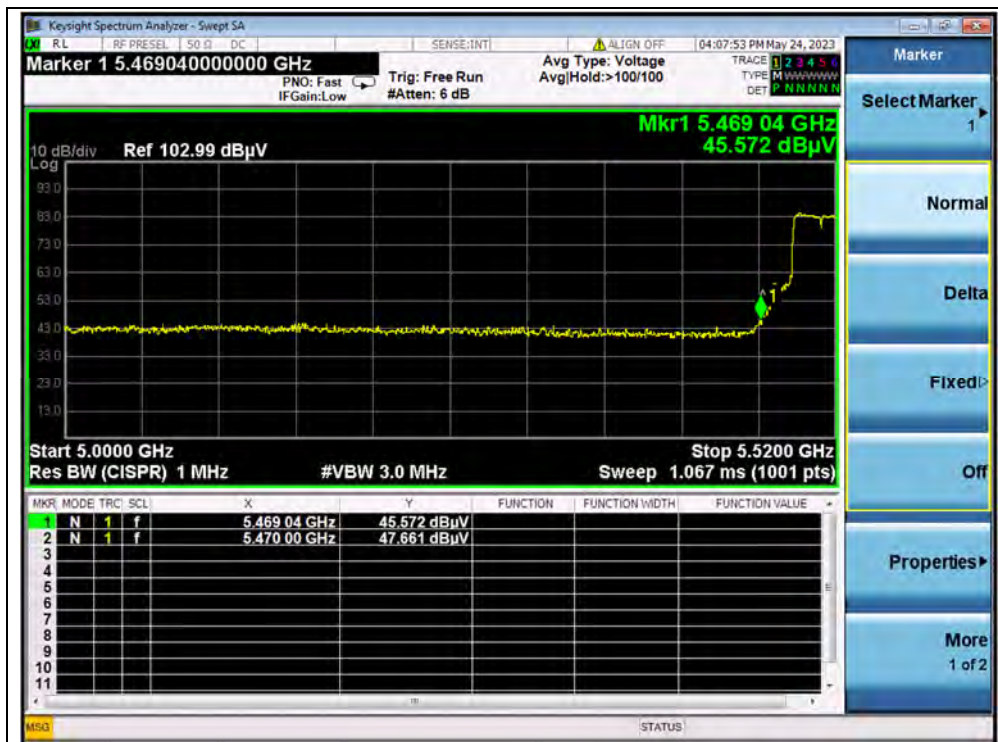
(AVERAGE, Channel 38, 802.11n (HT40))



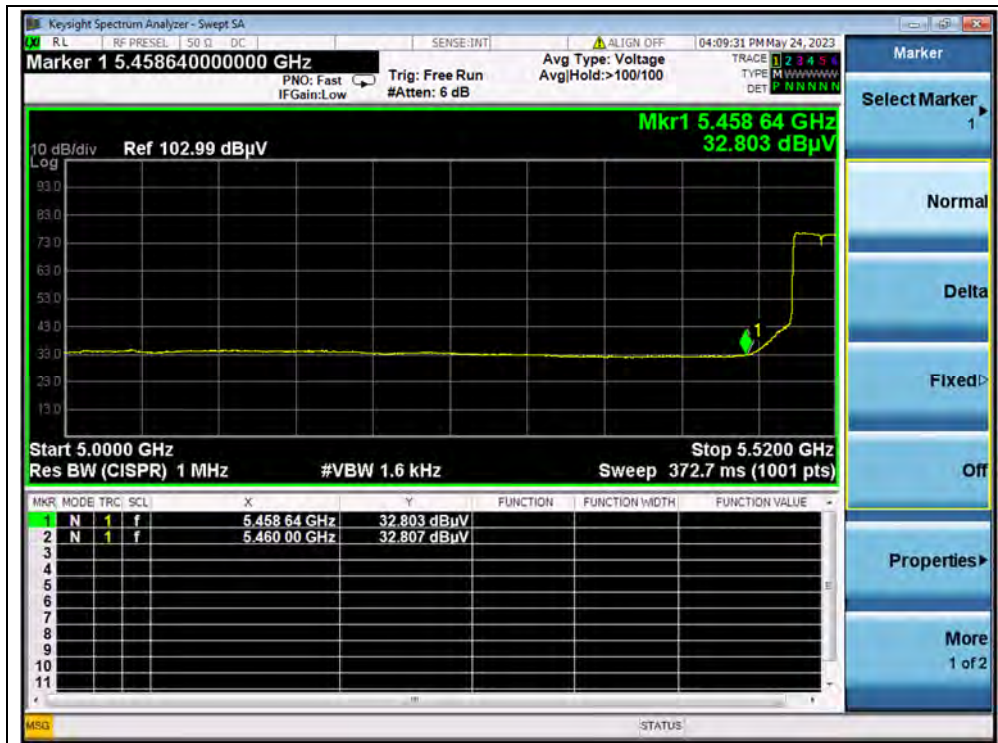
(PEAK, Channel 62, 802.11n (HT40))



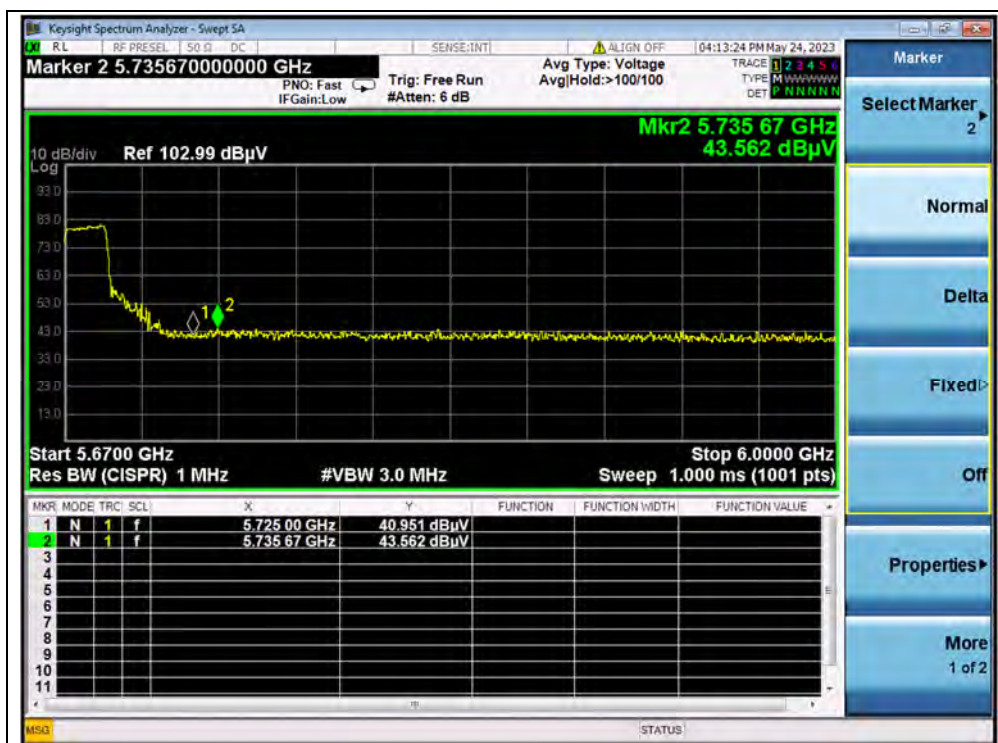
(AVERAGE, Channel 62, 802.11n (HT40))



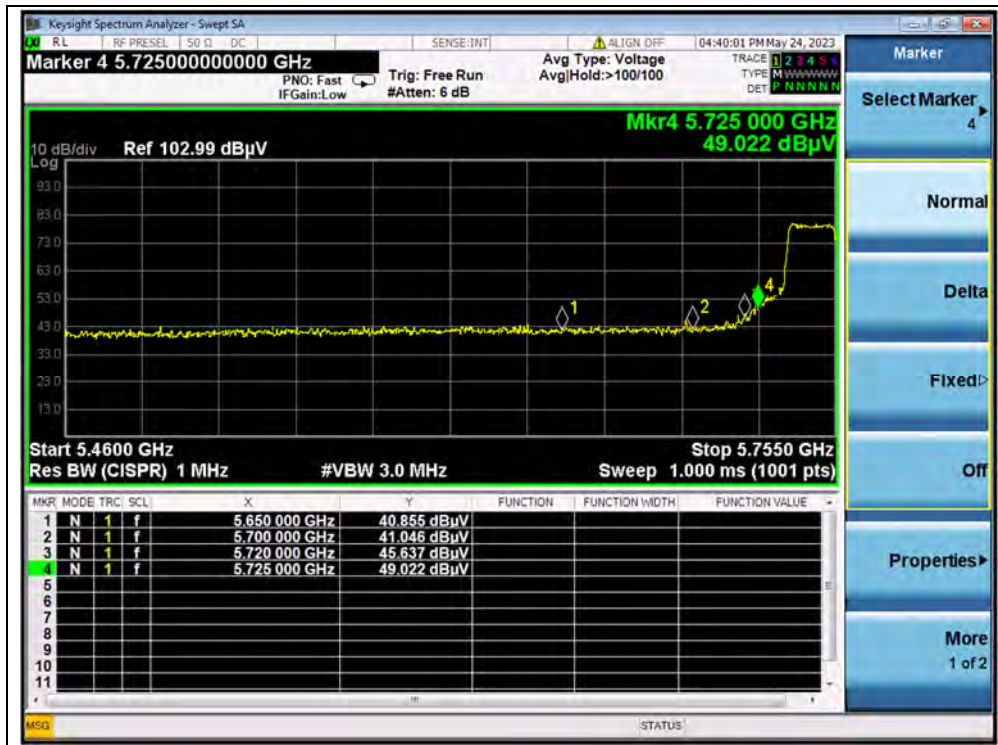
(PEAK, Channel 102, 802.11n (HT40))



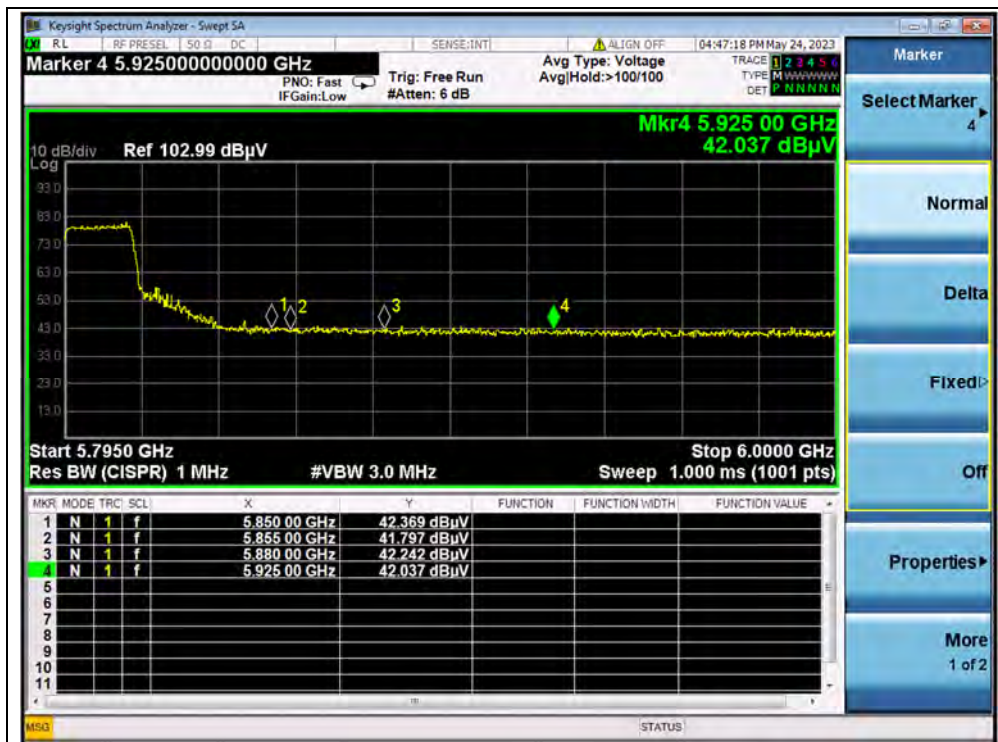
(AVERAGE, Channel 102, 802.11n (HT40))



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



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

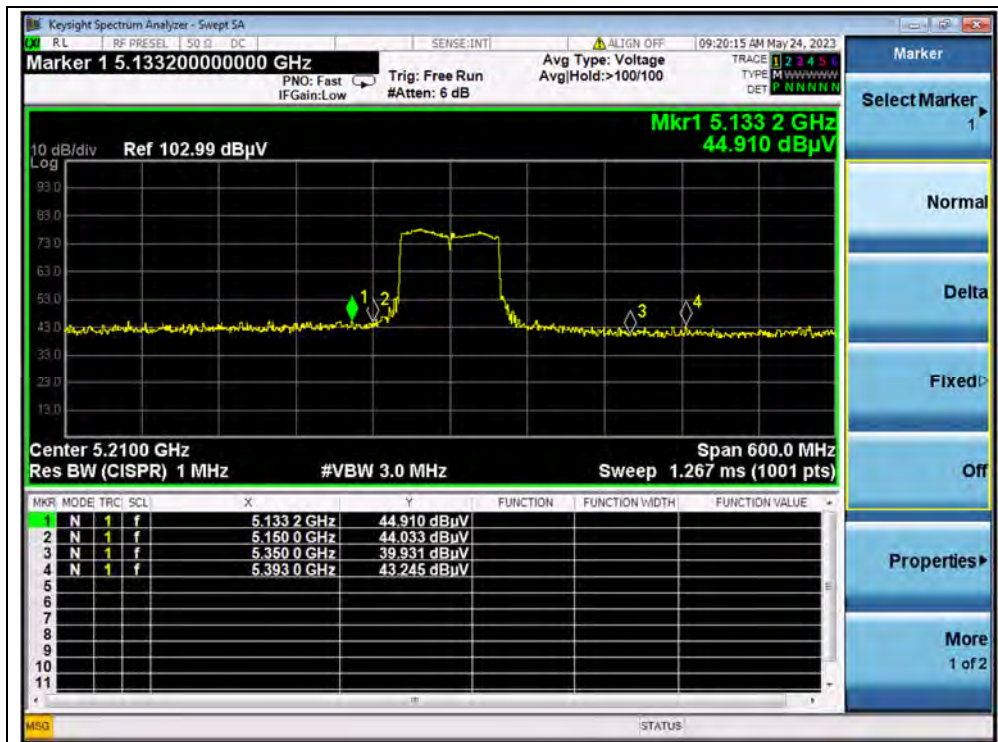


(PEAK, Channel 159, 802.11n (HT40))

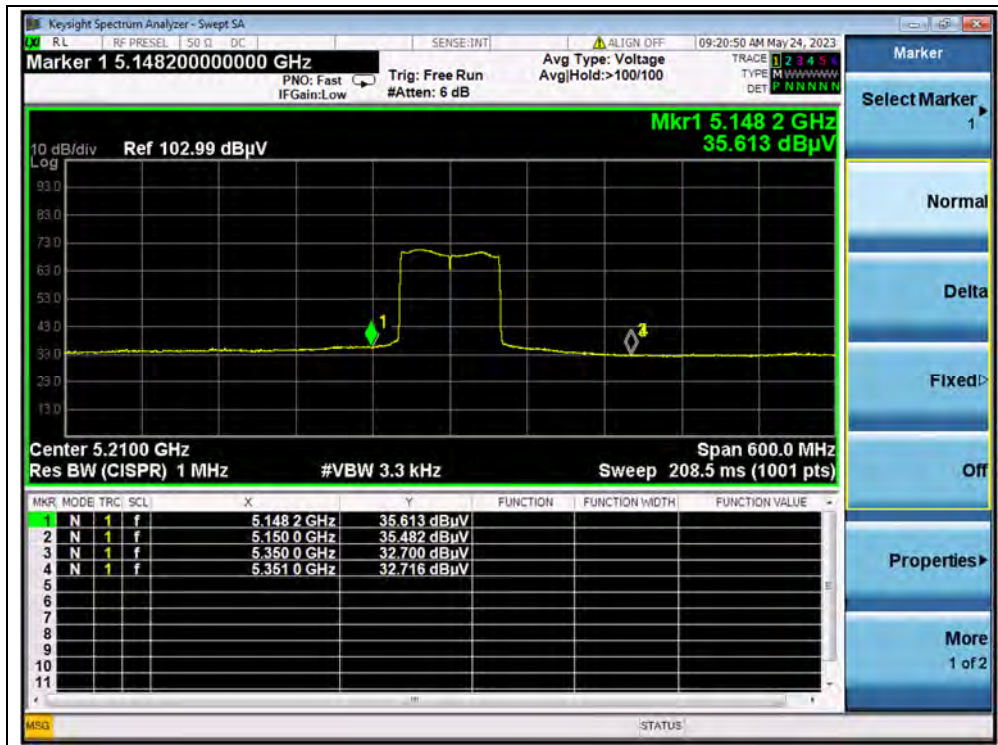


802.11ac (VHT80) Mode

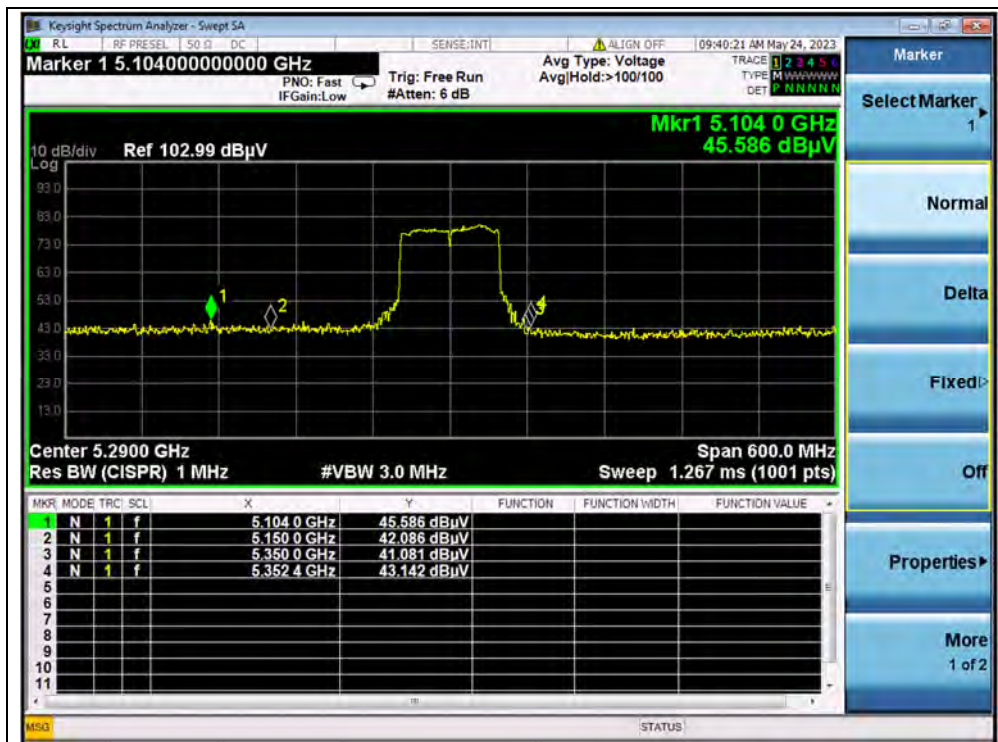
Channel	Frequency (MHz)	Detector	Receiver Reading	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV	U _R (dBμV)					
42	5133.20	PK	44.91	-19.54	32.20	57.57	74	PASS
42	5148.20	AV	35.61	-19.54	32.20	48.27	54	PASS
58	5104.00	PK	45.59	-18.80	32.20	58.99	74	PASS
58	5148.40	AV	34.71	-18.80	32.20	48.11	54	PASS
106	5467.99	PK	43.08	-19.20	32.20	56.08	68.23	PASS
106	5457.91	AV	33.98	-19.20	32.20	46.98	54	PASS
138	5754.30	PK	45.08	-19.20	32.20	58.08	68.23	PASS
155	5725.00	PK	45.06	-19.01	32.20	58.25	122.23	PASS
155	5855.00	PK	42.46	-19.01	32.20	55.65	110.83	PASS



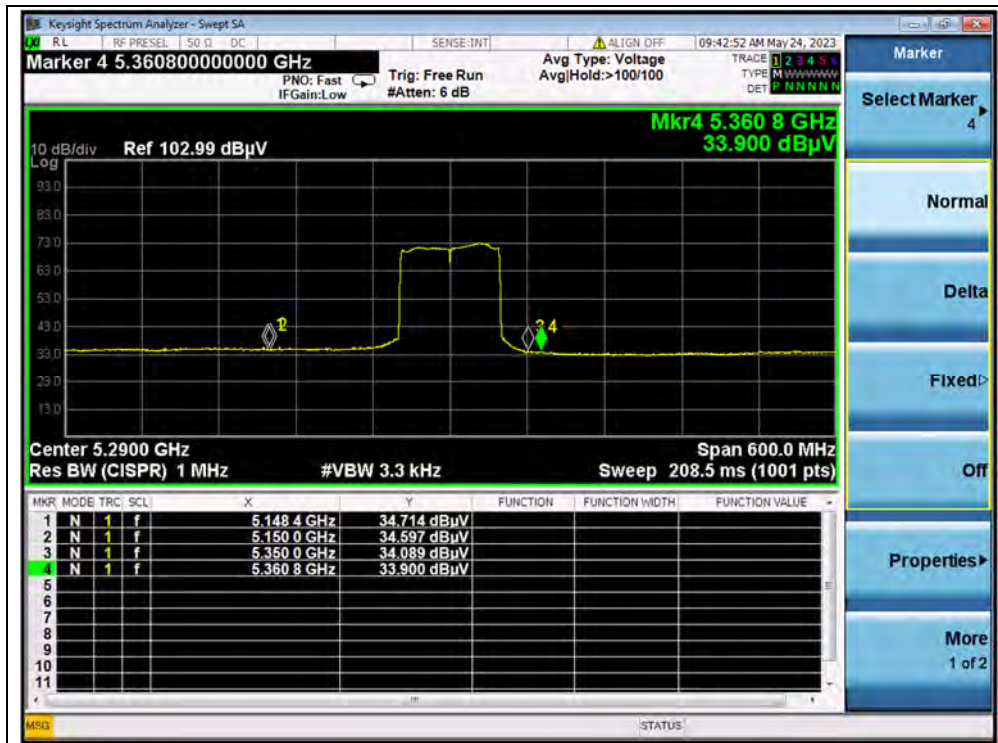
(PEAK, Channel 42, 802.11ac (VHT80))



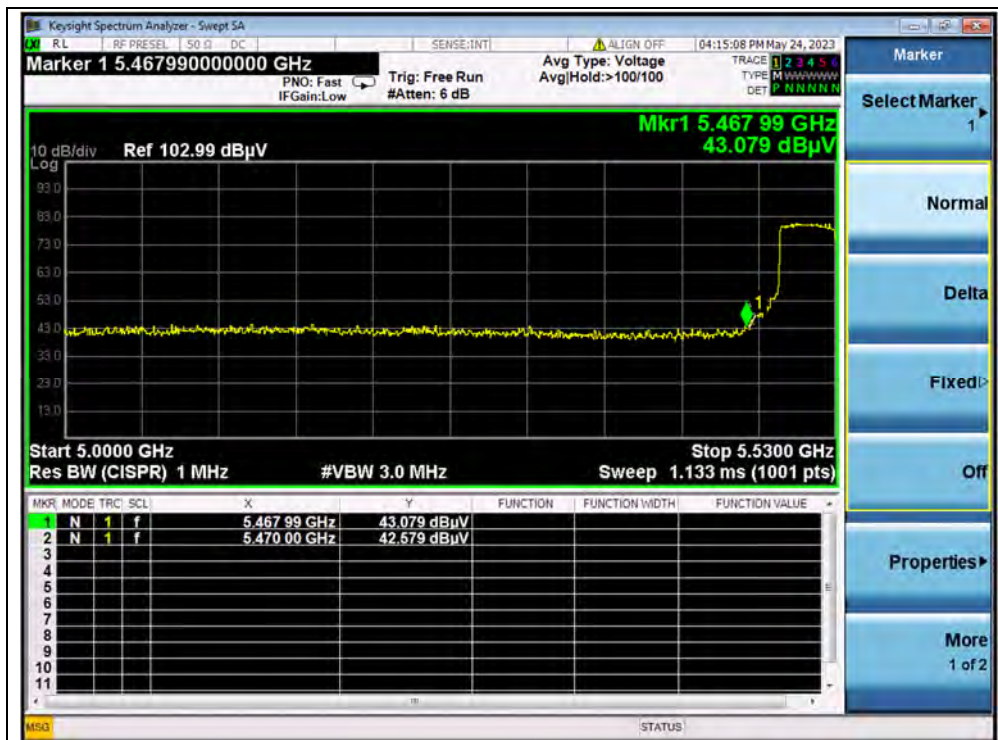
(AVERAGE, Channel 42, 802.11ac (VHT80))



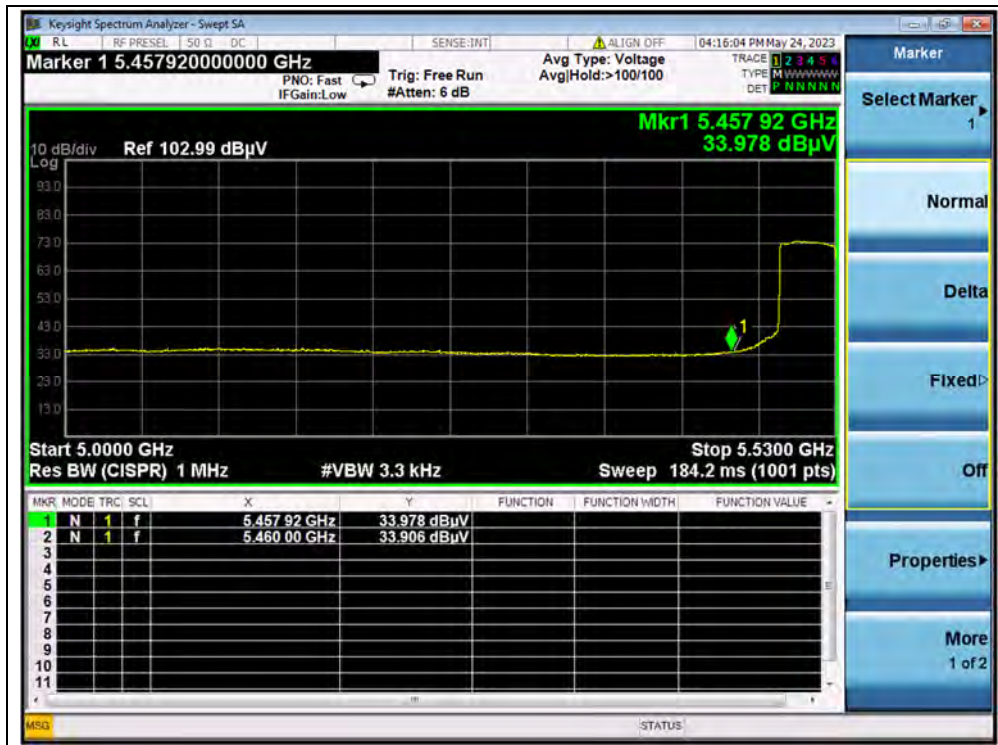
(PEAK, Channel 58, 802.11ac (VHT80))



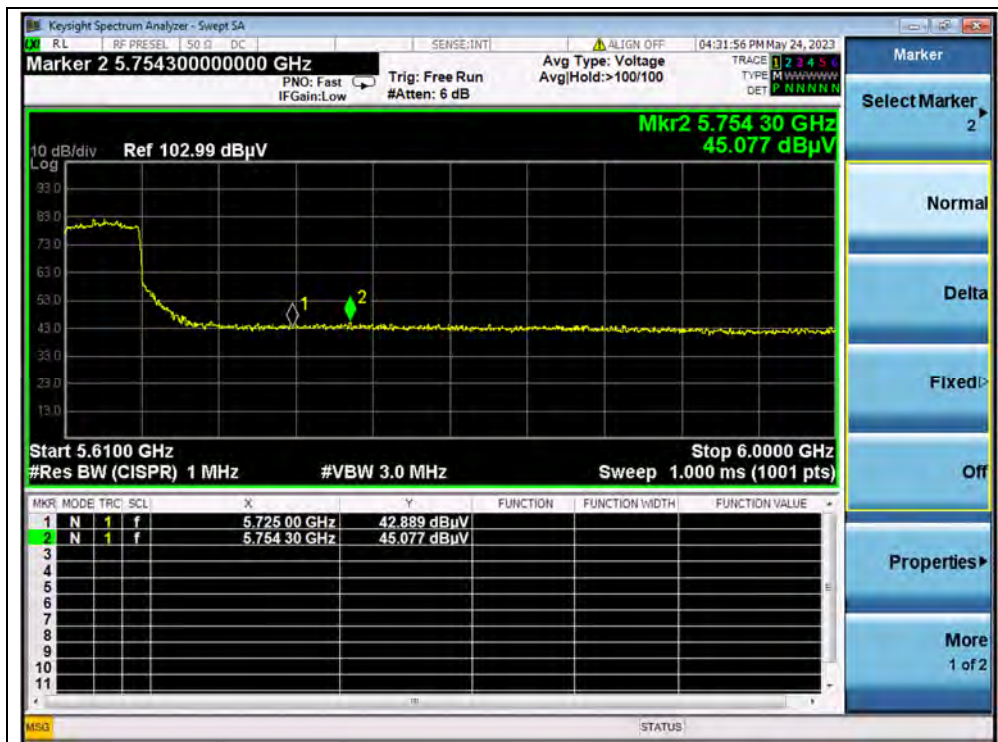
(AVERAGE, Channel 58, 802.11ac (VHT80))



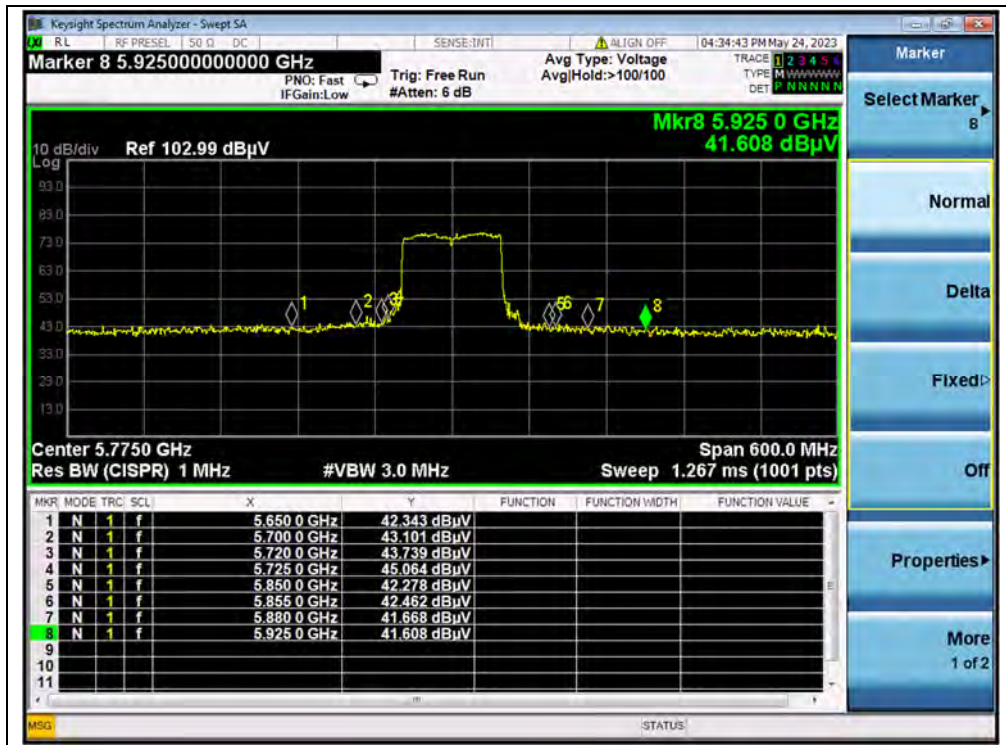
(PEAK, Channel 106, 802.11ac (VHT80))



(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.

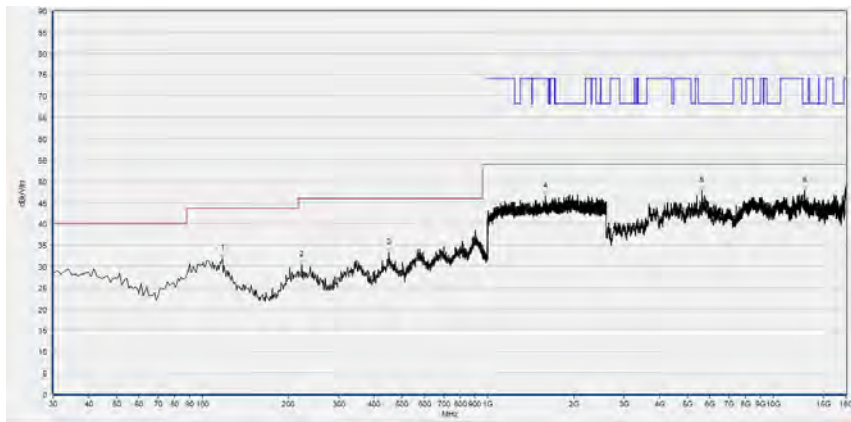
Note3: For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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.



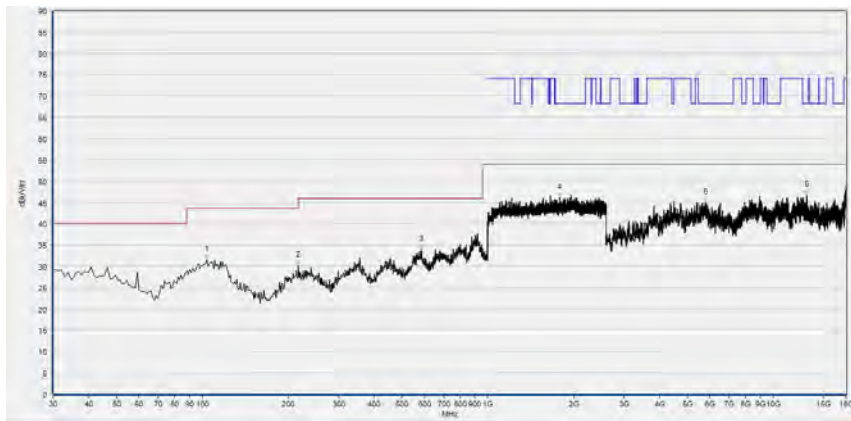
802.11a Mode

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
117.300	31.80	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
223.030	30.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
450.010	33.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1589.867	46.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5633.800	47.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12877.960	47.71	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

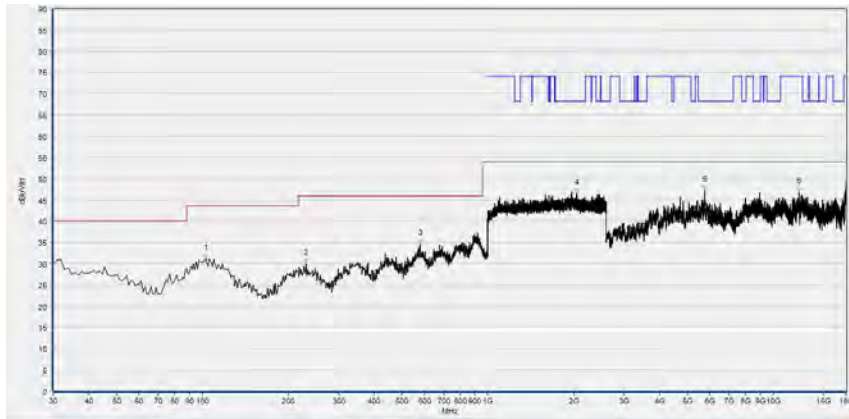
(Antenna Horizontal, 30MHz to 18GHz)



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	31.48	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
216.240	30.08	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
584.840	33.86	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1780.267	46.12	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5772.400	44.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13075.080	46.70	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

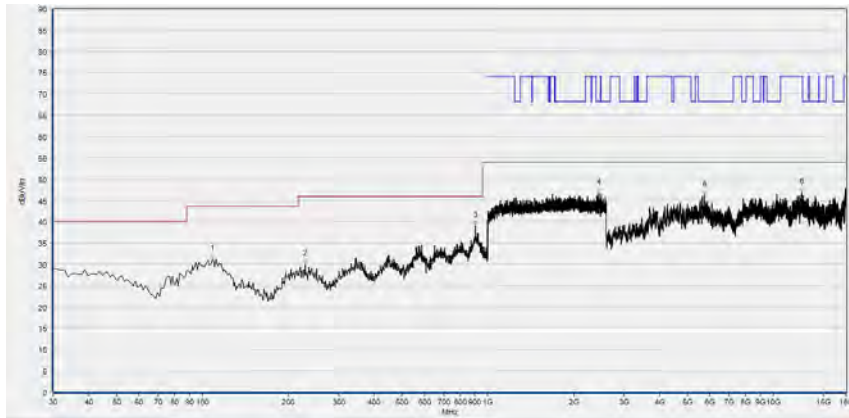
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 44



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	31.17	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
230.790	30.08	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
579.020	34.65	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2048.533	46.62	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5763.160	47.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12280.440	46.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

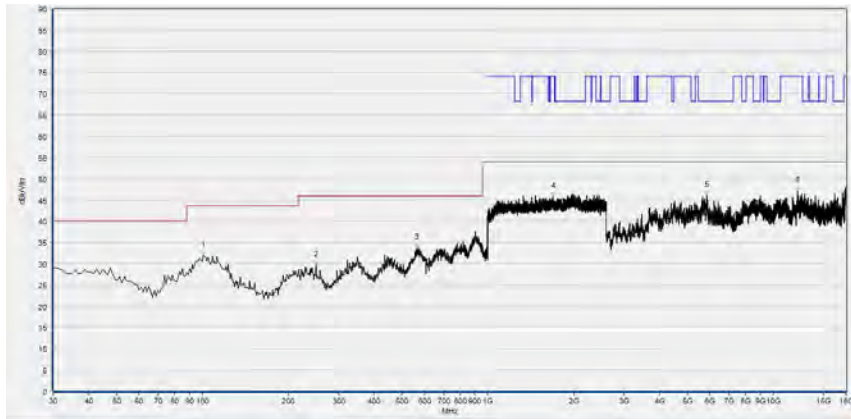
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	31.21	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
228.850	29.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
905.910	39.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2453.333	46.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5750.840	46.30	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12600.760	46.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

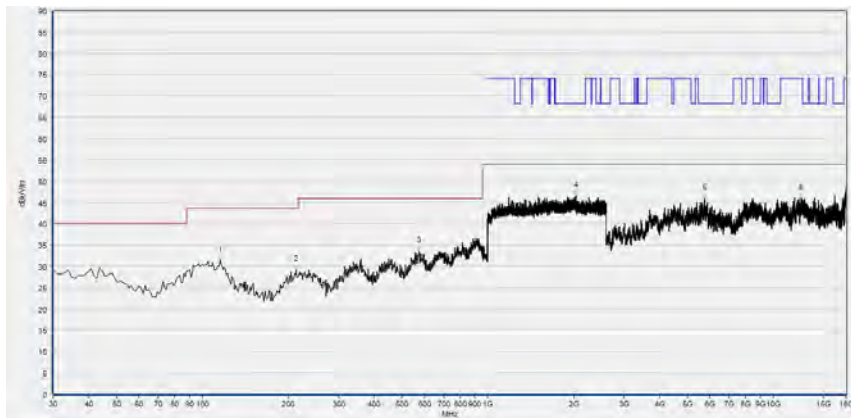
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
100.810	31.94	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
250.190	29.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
564.470	33.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1690.133	45.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5858.640	46.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12144.920	47.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

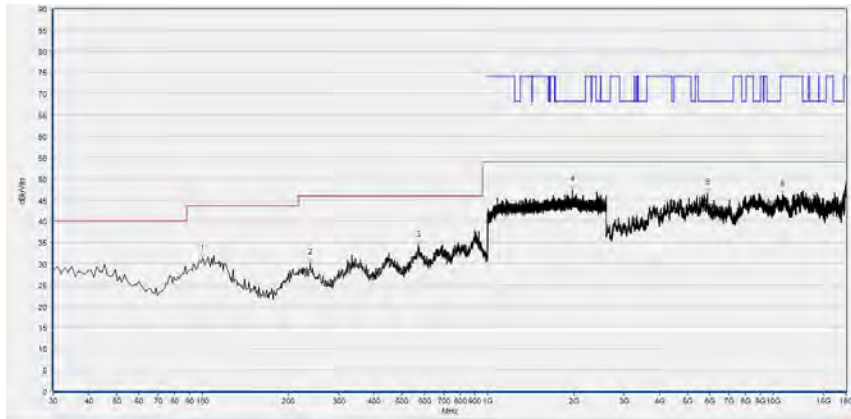
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
115.360	31.33	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
213.330	29.13	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
573.200	33.44	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2039.467	46.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5757.000	45.86	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12523.760	46.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

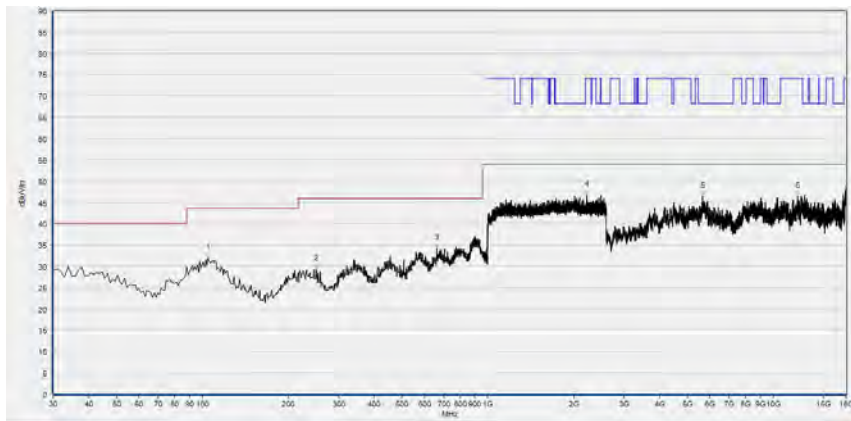
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 52



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
99.840	31.14	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
238.550	30.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
569.320	34.35	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1974.400	47.39	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5877.120	46.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10783.560	46.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

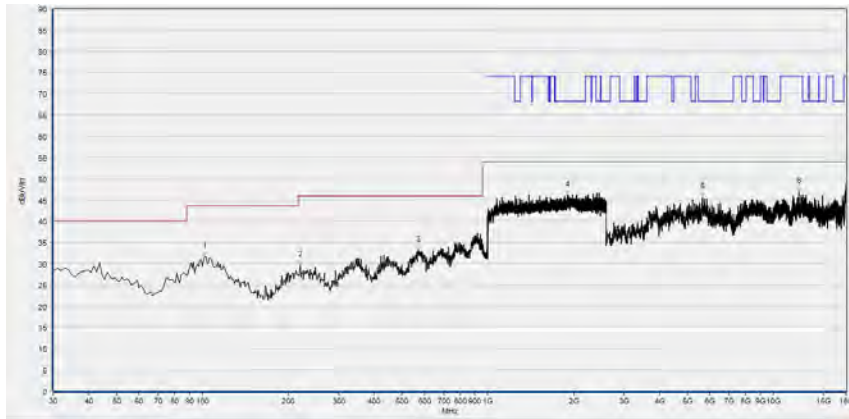
(Antenna Horizontal, 30MHz to 18GHz)



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	32.01	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
250.190	29.26	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
662.440	34.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2228.267	46.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5643.040	46.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12169.560	46.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

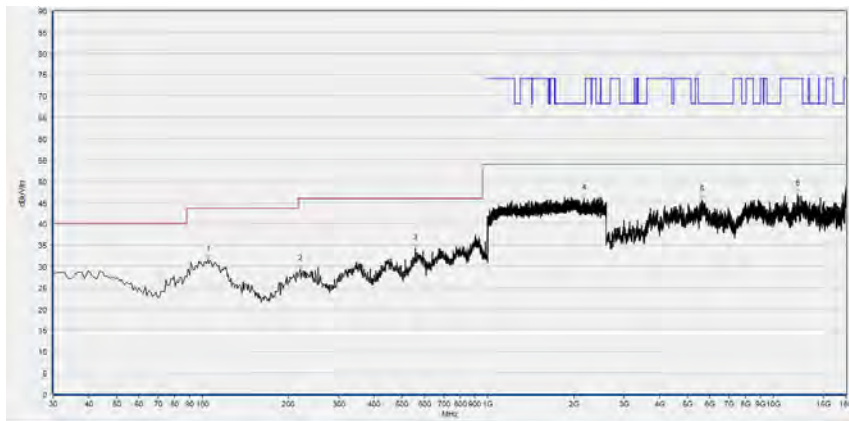
(Antenna Vertical, 30MHz to 18GHz)

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
101.780	31.66	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
220.120	29.59	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
571.260	33.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1896.533	46.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5649.200	45.62	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12311.240	46.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

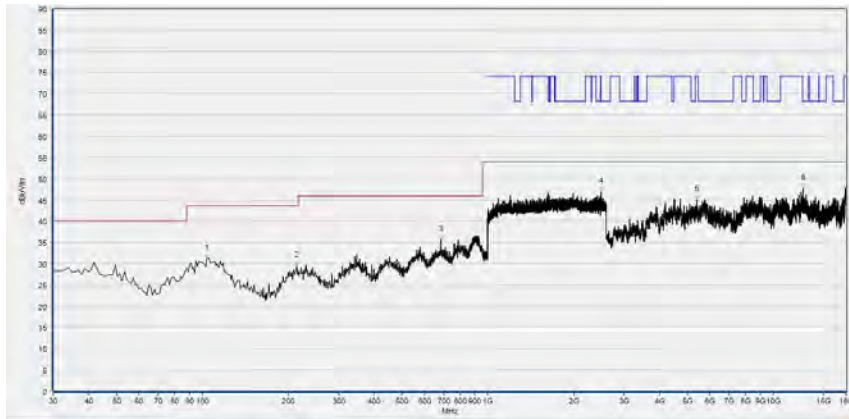
(Antenna Horizontal, 30MHz to 18GHz)



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	31.43	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
220.120	29.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
557.680	34.11	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2172.267	45.88	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5633.800	45.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12141.840	46.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

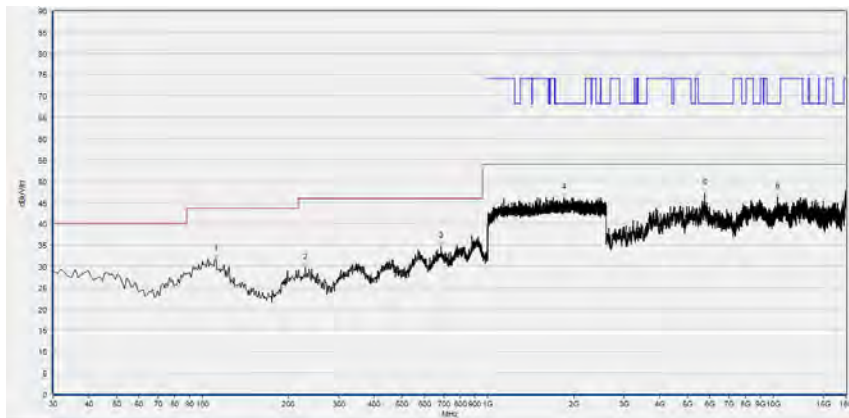
(Antenna Vertical, 30MHz to 18GHz)

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
103.720	31.22	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
214.300	29.45	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
683.780	35.65	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2486.933	46.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5396.640	45.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12730.120	47.73	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

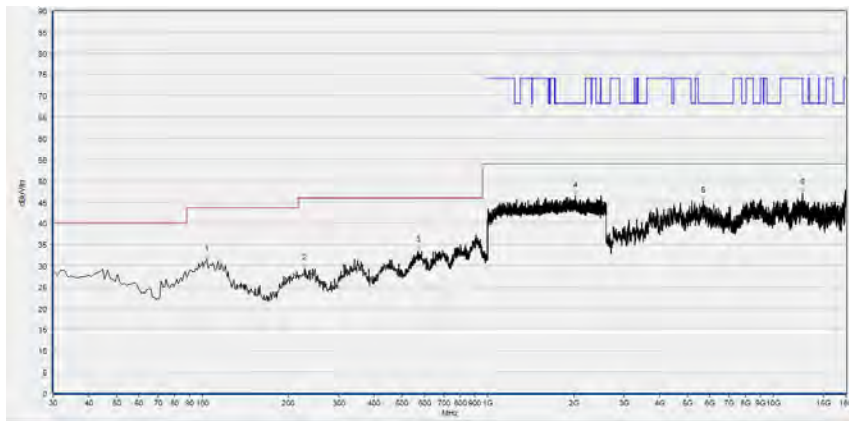
(Antenna Horizontal, 30MHz to 18GHz)



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	31.61	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
229.820	29.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
686.690	34.70	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1848.533	46.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5747.760	47.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10358.520	46.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

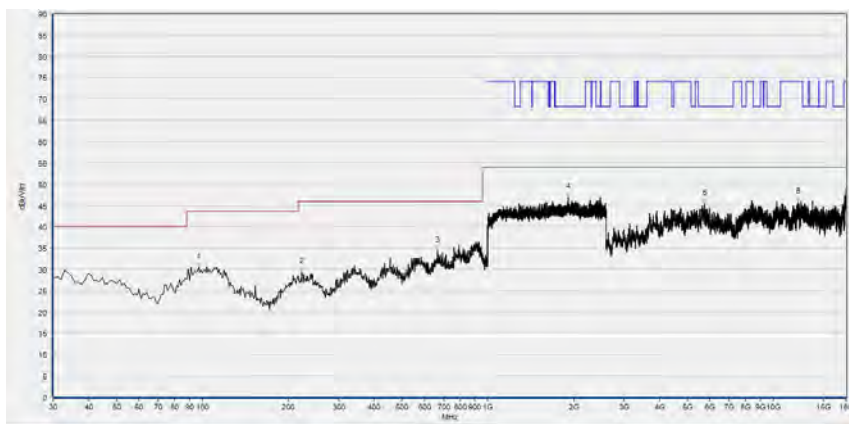
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 100



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
103.720	31.33	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
227.880	29.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
571.260	33.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2030.400	46.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5670.760	45.28	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12665.440	47.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

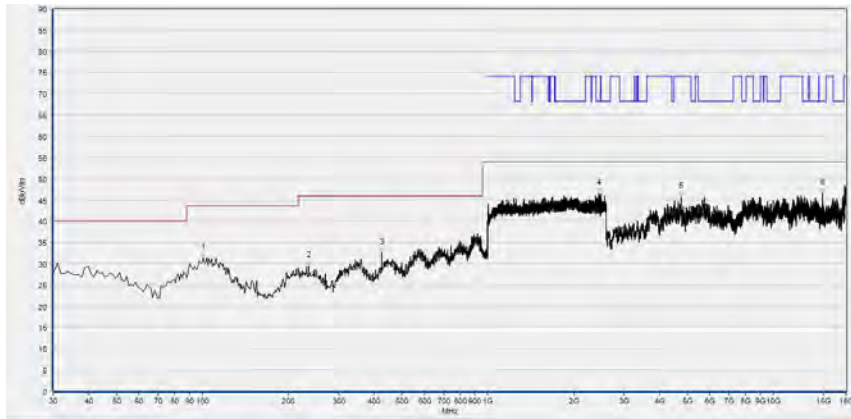
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
96.930	30.51	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
223.030	29.31	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
666.320	34.42	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1916.267	46.97	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5750.840	45.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12200.360	45.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

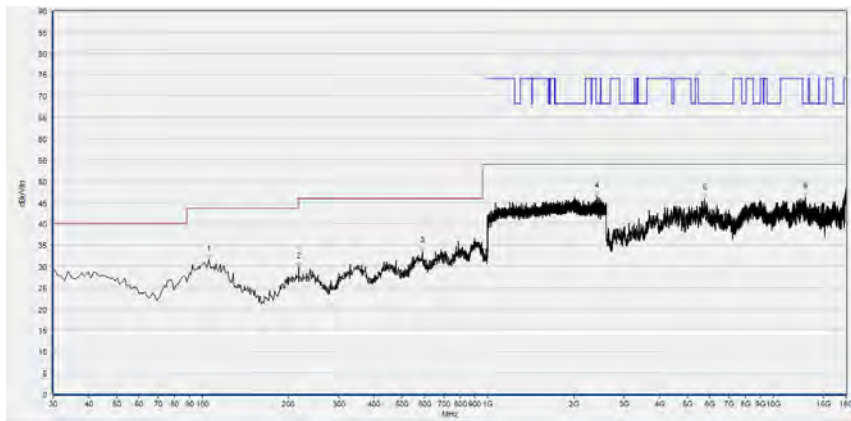
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 120



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
100.810	31.41	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
235.640	29.54	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
424.790	32.47	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2456.000	46.62	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4746.760	45.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14867.640	46.64	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

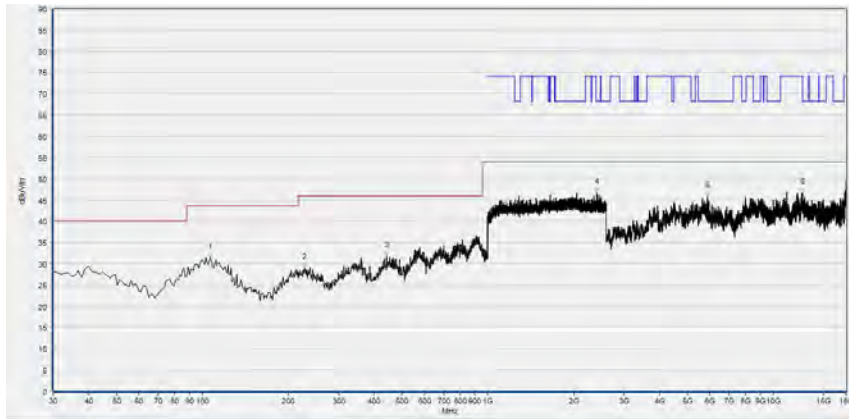
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
105.660	31.44	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
217.210	29.90	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
588.720	33.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2414.400	46.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5741.600	46.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12939.560	46.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

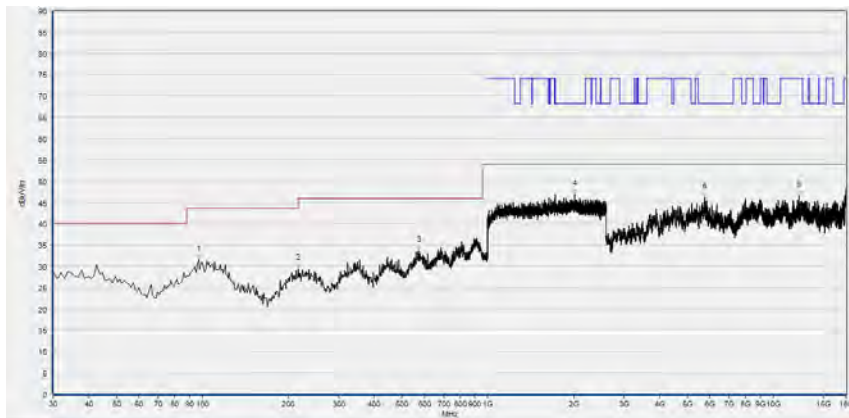
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 144



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
106.630	31.32	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
227.880	28.95	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
442.250	31.90	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2402.133	46.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5886.360	45.92	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12668.520	46.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

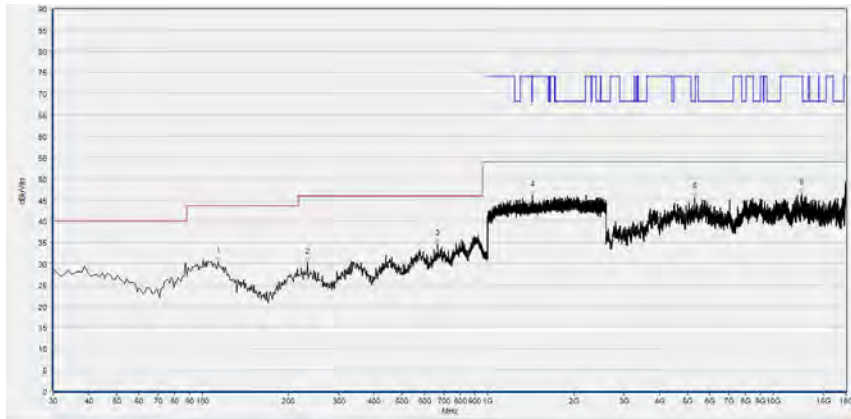
(Antenna Horizontal, 30MHz to 18GHz)



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
96.930	31.48	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
216.240	29.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
575.140	33.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2012.800	46.93	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5750.840	46.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12292.760	46.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

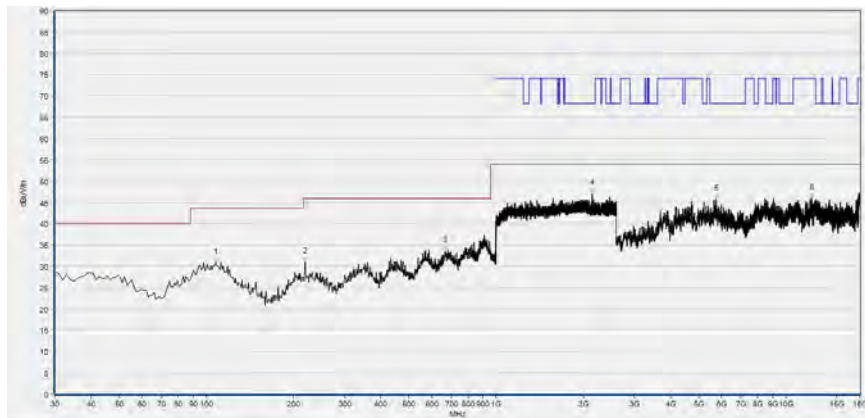
(Antenna Vertical, 30MHz to 18GHz)

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	30.52	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
233.700	30.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
666.320	34.67	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1433.067	46.14	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5313.480	45.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12622.320	46.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

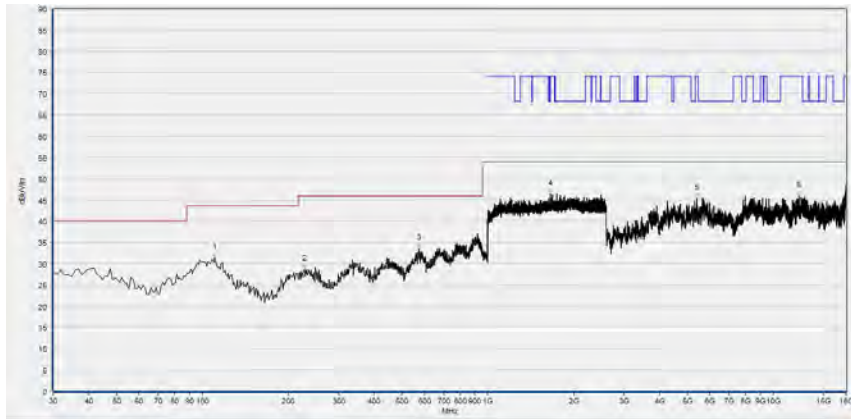
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	30.85	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.150	31.05	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
664.380	33.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2145.600	47.16	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5753.920	45.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12292.760	45.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

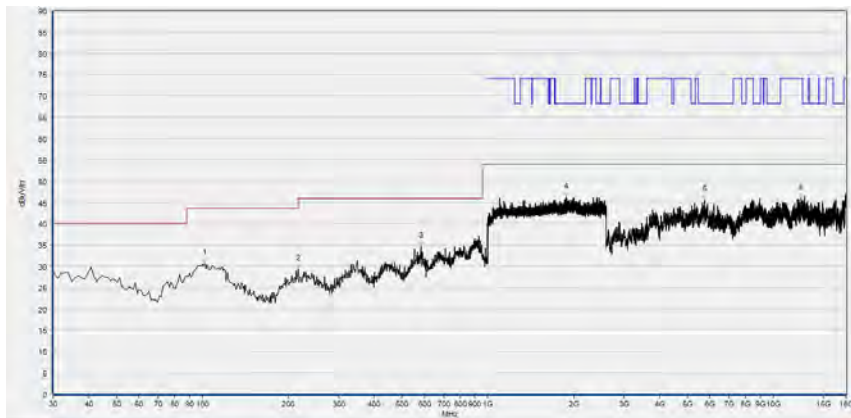
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
110.510	31.37	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
227.880	28.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
574.170	33.51	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1660.800	46.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5399.720	45.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12280.440	45.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

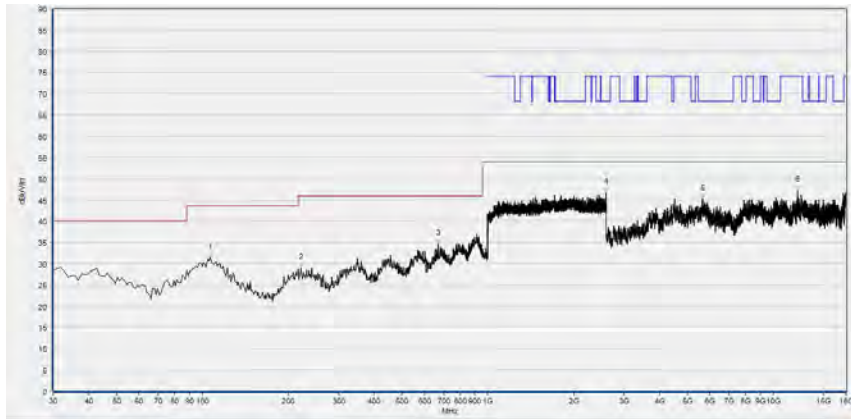
(Antenna Horizontal, 30MHz to 18GHz)



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	30.73	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
216.240	29.31	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
581.930	34.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1874.667	46.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5750.840	45.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12511.440	45.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

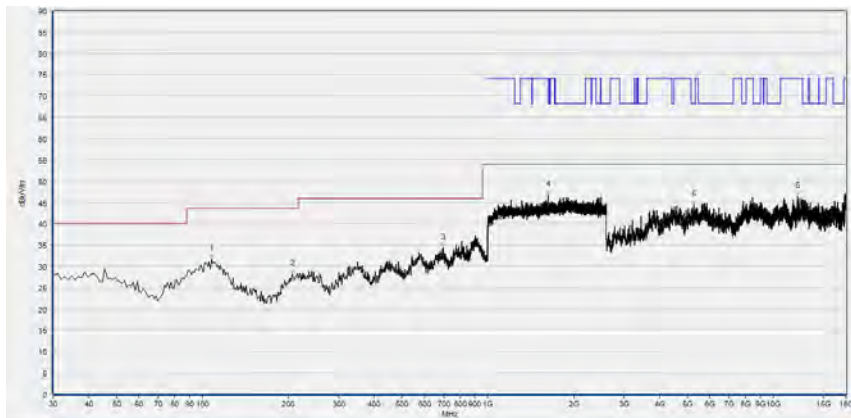
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	31.32	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
221.090	29.03	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
668.260	34.65	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2592.000	46.81	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5664.600	45.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12151.080	47.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



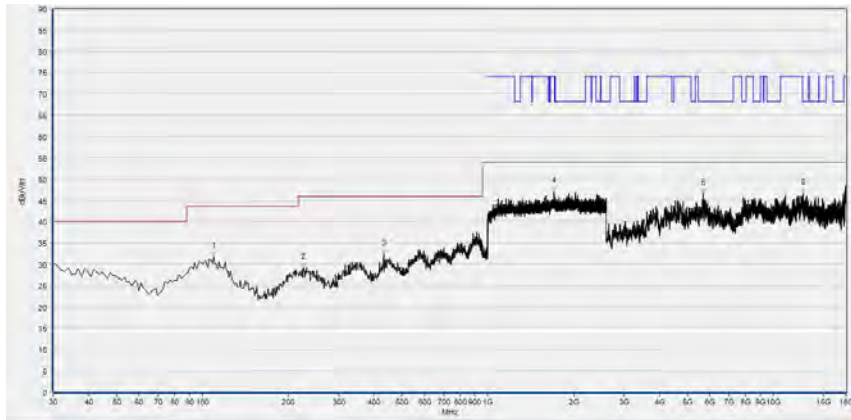
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	31.66	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
206.540	28.15	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
699.300	34.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1625.067	46.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5270.360	44.46	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12148.000	46.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



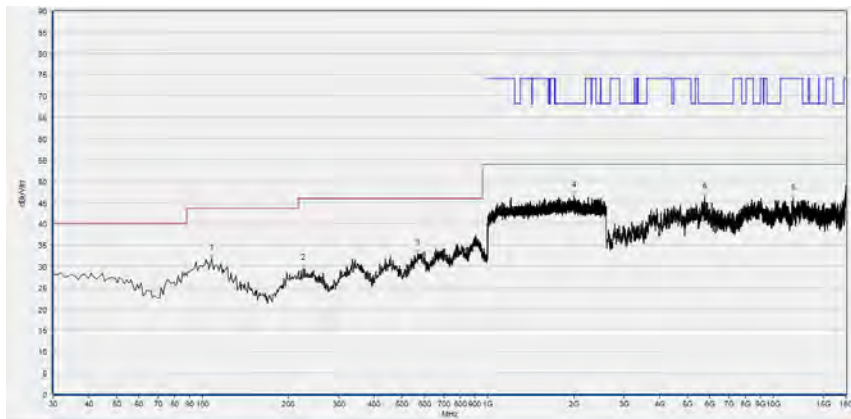
802.11n (HT40) mode

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
109.540	31.89	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
224.970	29.16	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
431.580	32.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1707.200	47.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5676.920	46.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12733.200	46.81	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

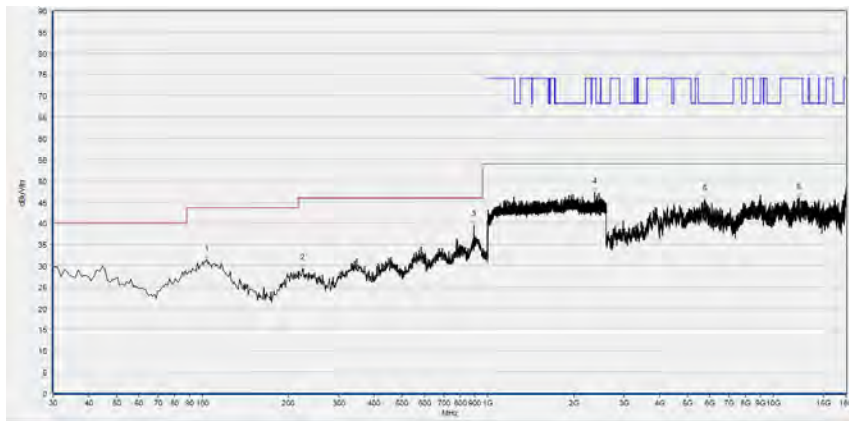
(Antenna Horizontal, 30MHz to 18GHz)



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	31.76	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
224.970	29.54	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
568.350	33.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2001.067	46.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5735.440	46.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11726.040	45.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

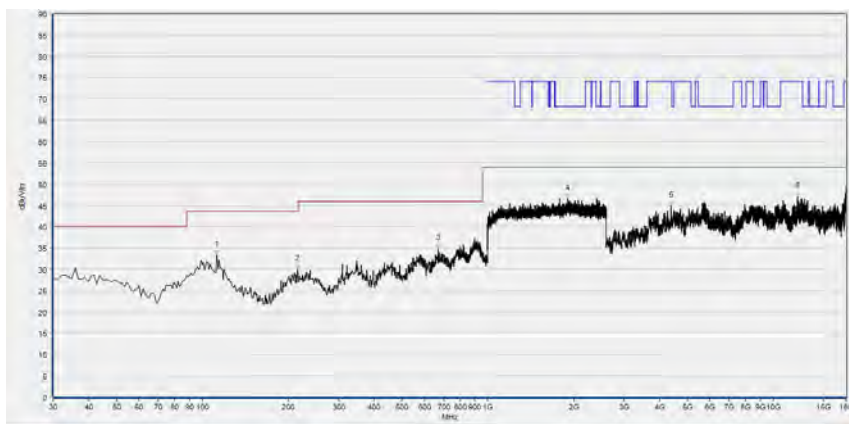
(Antenna Vertical, 30MHz to 18GHz)

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	31.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
224.000	29.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
892.330	39.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2370.133	47.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5735.440	45.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12292.760	45.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

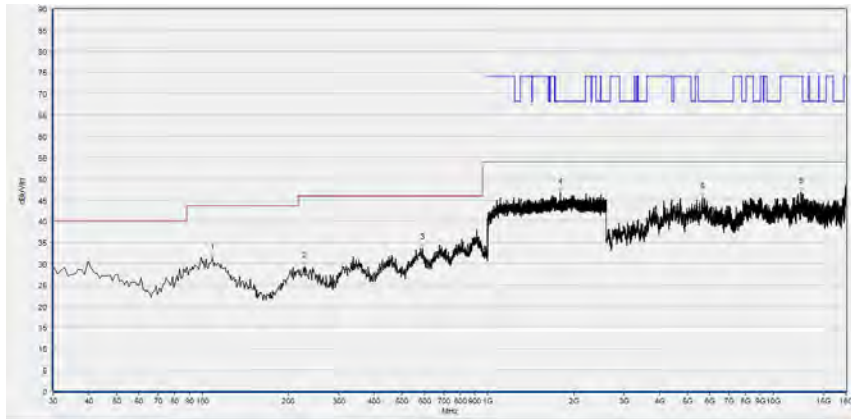
(Antenna Horizontal, 30MHz to 18GHz)



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	33.34	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
215.270	29.93	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
671.170	34.82	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1907.200	46.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4383.320	44.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12163.400	47.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

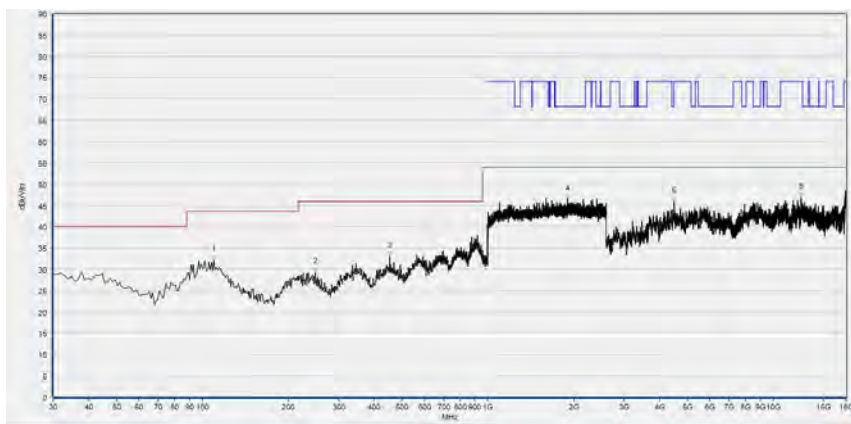
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	31.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
227.880	29.34	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
591.630	33.71	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1798.933	46.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5646.120	45.66	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12517.600	46.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

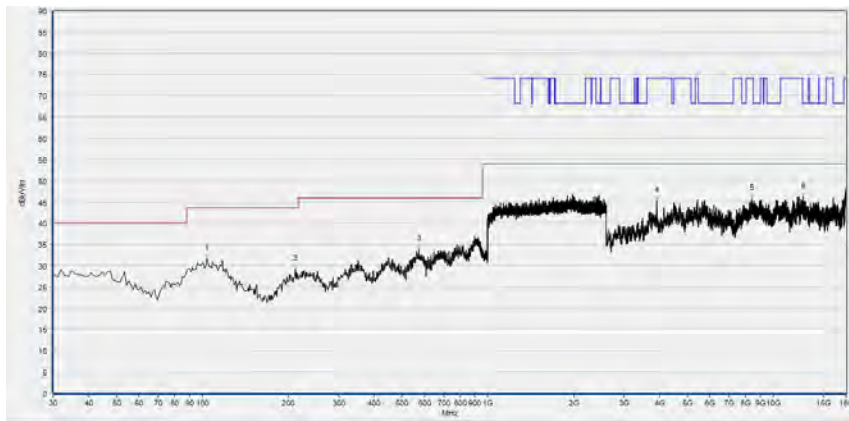
(Antenna Horizontal, 30MHz to 18GHz)



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	32.10	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
248.250	29.29	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
453.890	32.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1896.533	46.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4500.360	45.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12508.360	46.97	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

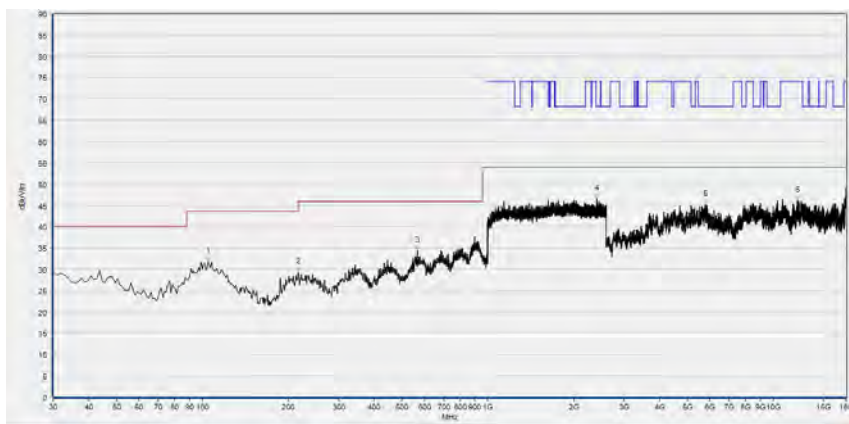
(Antenna Vertical, 30MHz to 18GHz)

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
103.720	31.63	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
211.390	29.17	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
575.140	33.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
3899.760	45.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8427.360	45.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12754.760	46.31	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

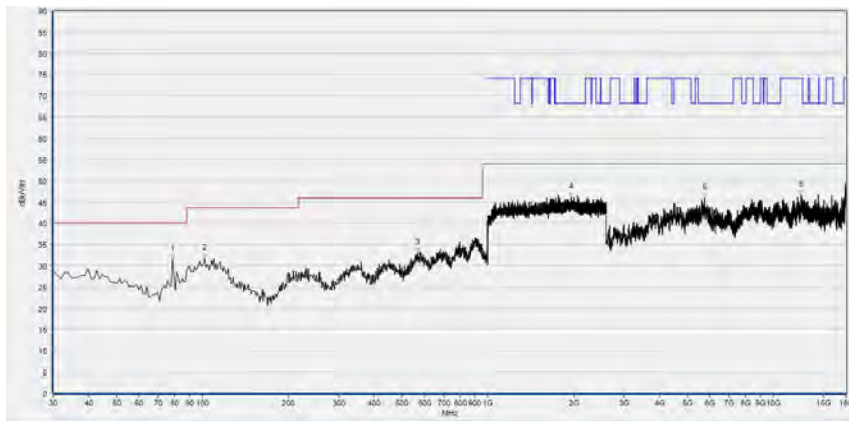
(Antenna Horizontal, 30MHz to 18GHz)



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	31.83	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
216.240	29.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
567.380	34.40	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2411.733	46.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5778.560	45.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12129.520	46.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

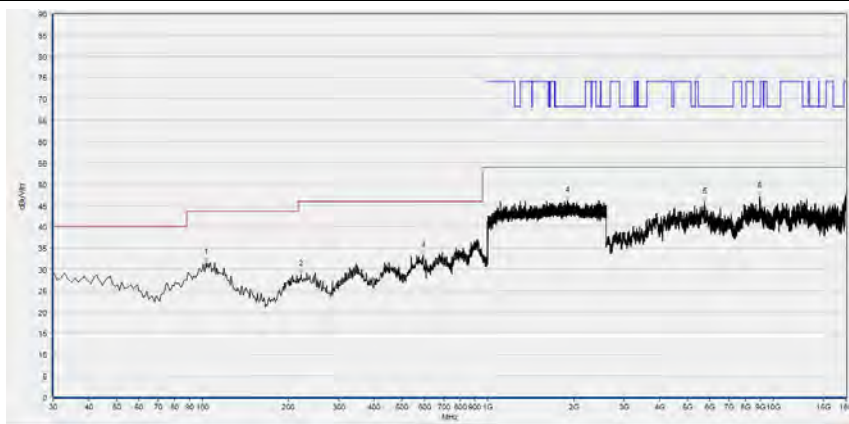
(Antenna Vertical, 30MHz to 18GHz)

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
78.500	31.58	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
101.780	31.64	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
567.380	33.08	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1962.133	46.17	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5747.760	45.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12499.120	46.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

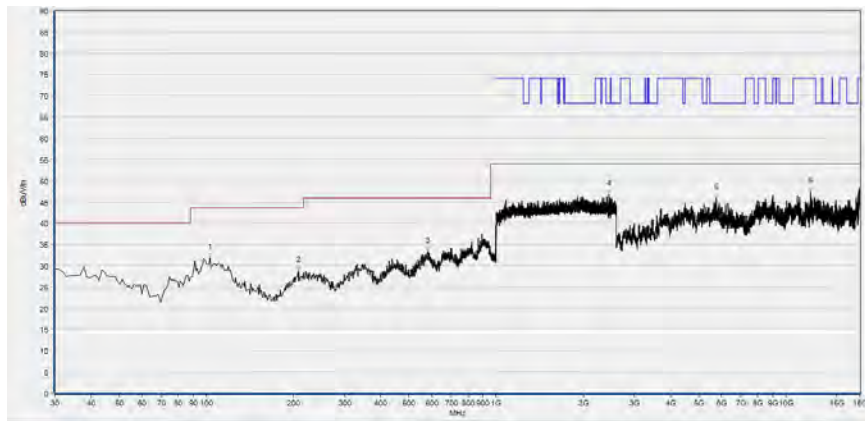
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	31.46	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
221.090	28.79	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
593.570	33.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1905.600	46.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5744.680	45.80	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8963.280	47.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

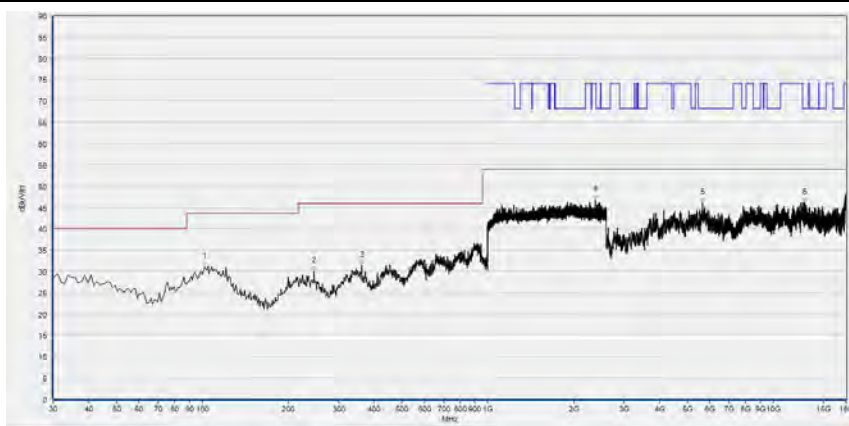
(Antenna Vertical, 30MHz to 18GHz)

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
102.750	31.87	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
208.480	28.78	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
579.990	33.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2454.933	46.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5763.160	45.89	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12188.040	47.47	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

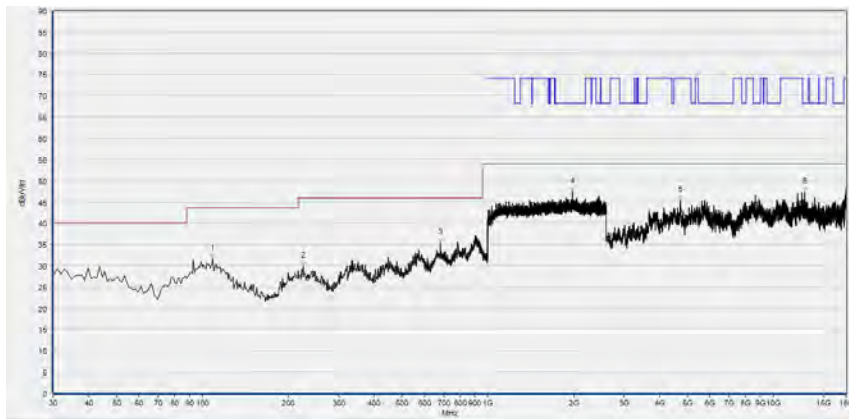
(Antenna Horizontal, 30MHz to 18GHz)



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	31.03	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
246.310	29.92	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
361.740	31.36	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2374.400	46.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5649.200	46.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12893.360	46.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

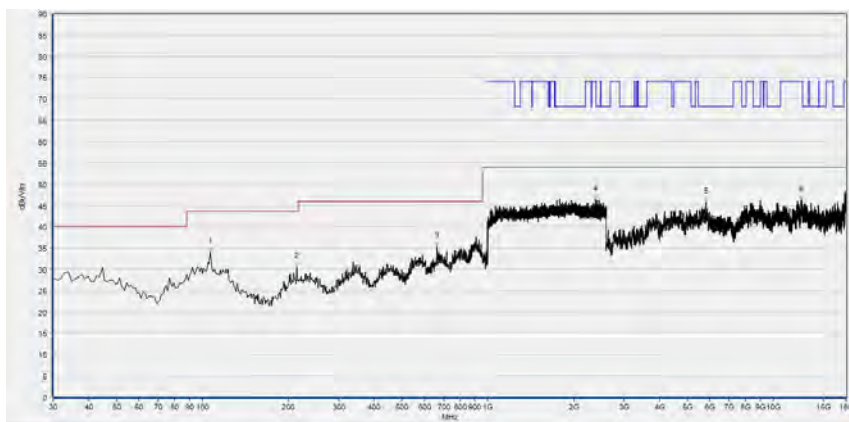
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 142



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
108.570	31.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
225.940	29.76	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
680.870	35.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1984.533	47.51	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4734.440	45.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12887.200	47.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

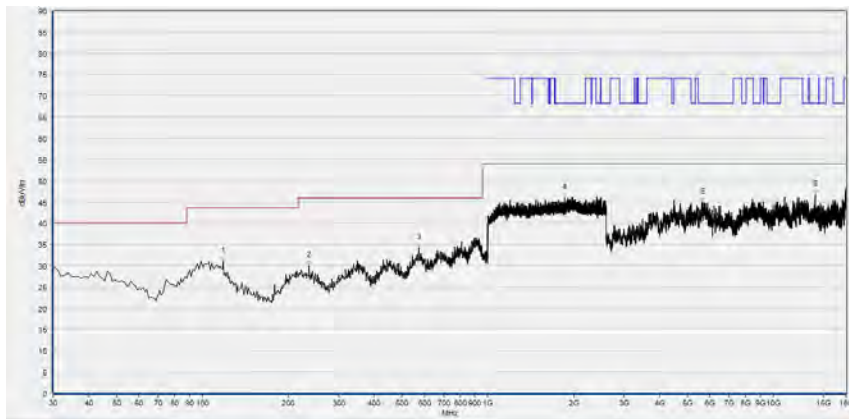
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
106.630	33.97	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
214.300	30.57	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
663.410	35.29	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2377.067	46.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5809.360	45.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12511.440	46.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

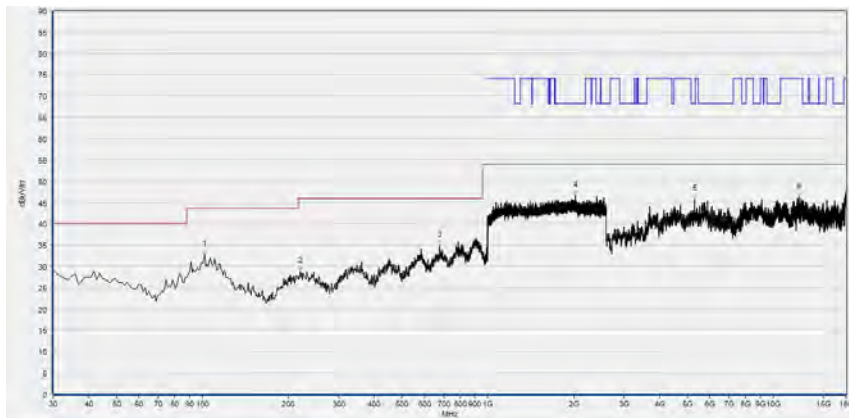
(Antenna Vertical, 30MHz to 18GHz)

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
118.270	31.01	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
236.610	29.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
572.230	34.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1857.067	45.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5655.360	44.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14011.400	46.74	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

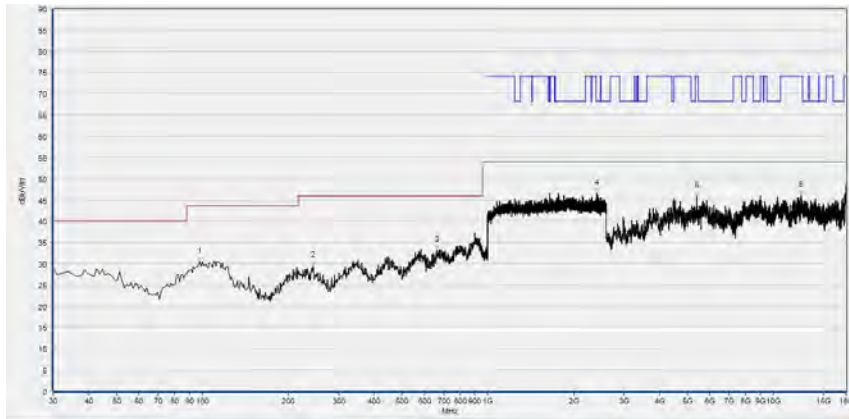
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	32.68	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
220.120	28.82	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
677.960	34.83	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2027.200	46.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5291.920	45.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12286.600	46.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

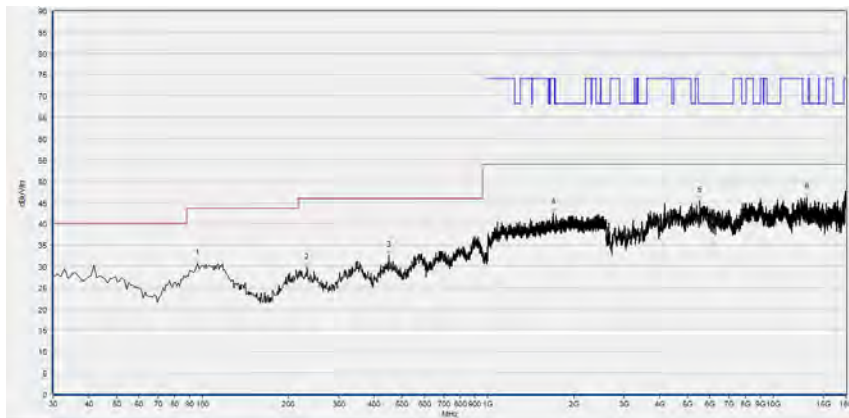
(Antenna Vertical, 30MHz to 18GHz)

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
97.900	30.42	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
244.370	29.47	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
661.470	33.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2414.400	46.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5402.800	45.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12554.560	46.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



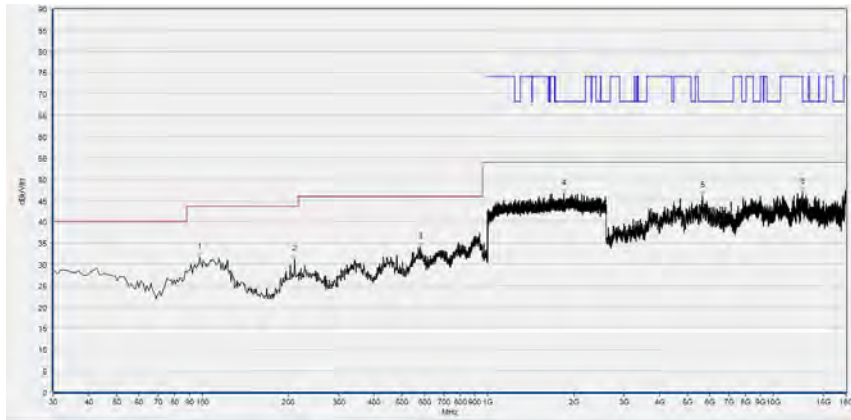
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
95.960	30.61	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
232.730	29.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
449.040	32.44	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1692.800	42.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5538.320	45.45	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13075.080	46.33	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



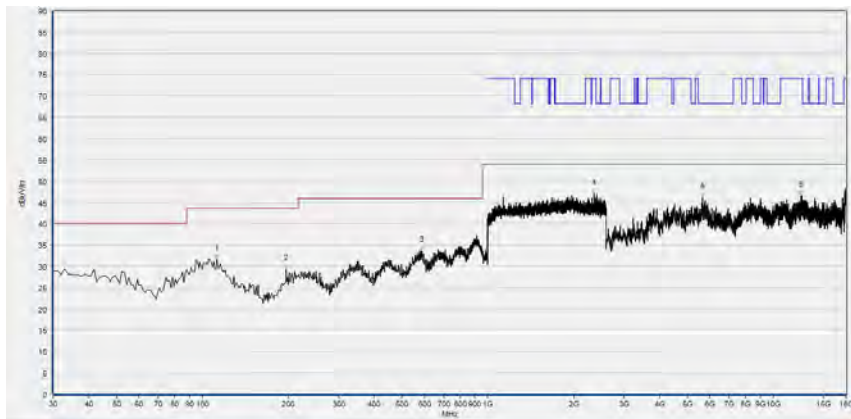
802.11ac (VHT80) Mode

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
97.900	31.59	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
210.420	31.21	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
579.020	33.96	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1846.933	46.61	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5649.200	46.06	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12646.960	46.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

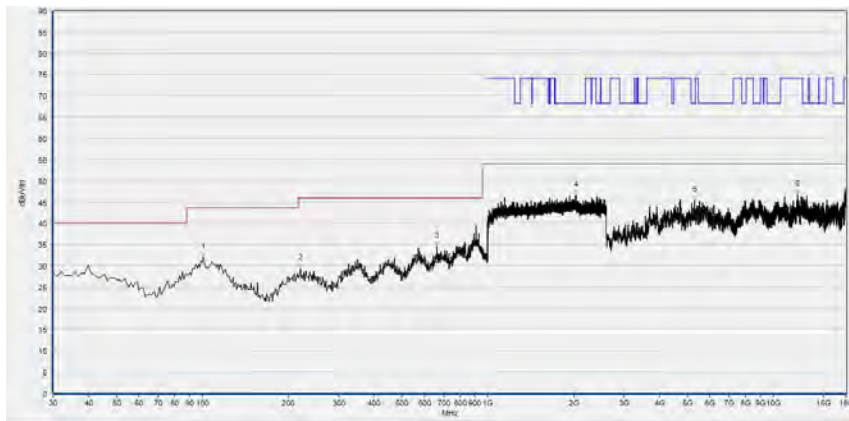
(Antenna Horizontal, 30MHz to 18GHz)



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	31.63	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
196.840	29.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
585.810	33.63	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2358.933	47.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5655.360	46.30	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12526.840	46.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

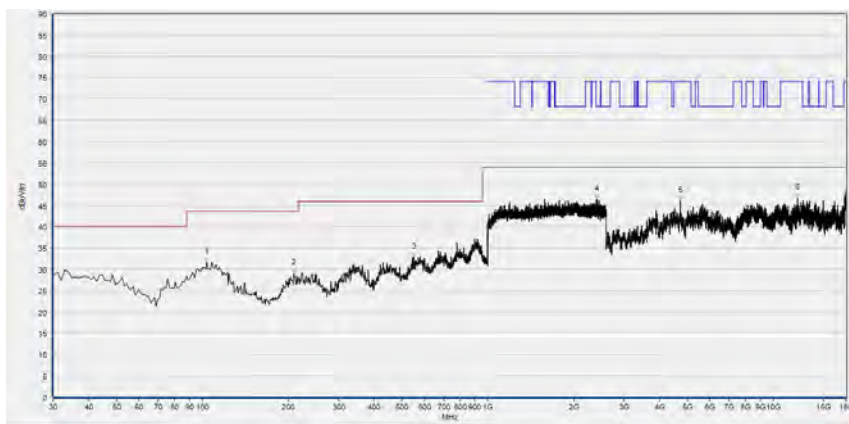
(Antenna Vertical, 30MHz to 18GHz)

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
100.810	31.95	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
220.120	29.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
663.410	34.54	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2041.067	46.64	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5291.920	45.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12157.240	46.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

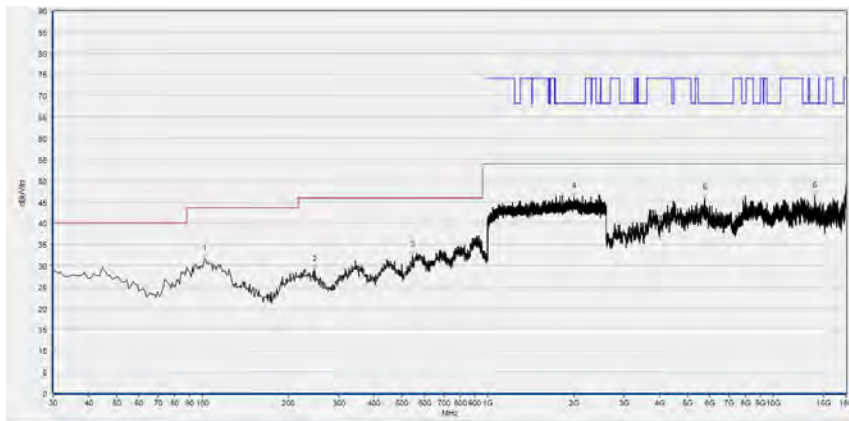
(Antenna Horizontal, 30MHz to 18GHz)



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	31.63	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
209.450	28.99	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
549.920	32.78	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2405.333	46.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4731.360	46.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12151.080	46.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

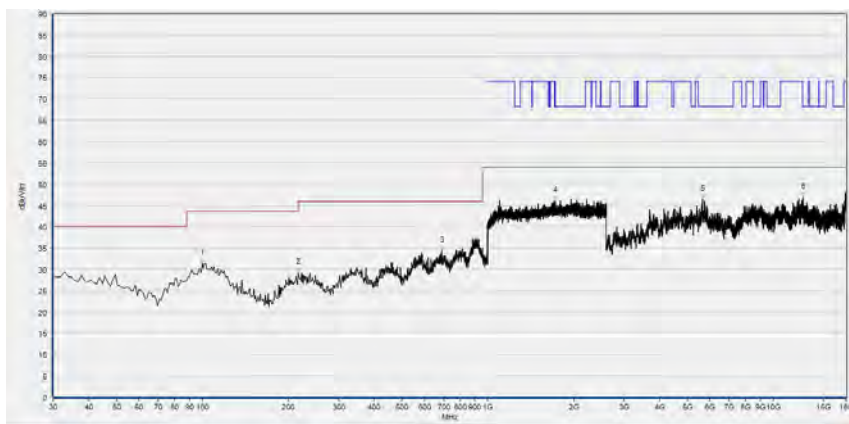
(Antenna Vertical, 30MHz to 18GHz)

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	31.50	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
247.280	28.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
545.070	32.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2001.067	46.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5750.840	45.94	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14008.320	46.46	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

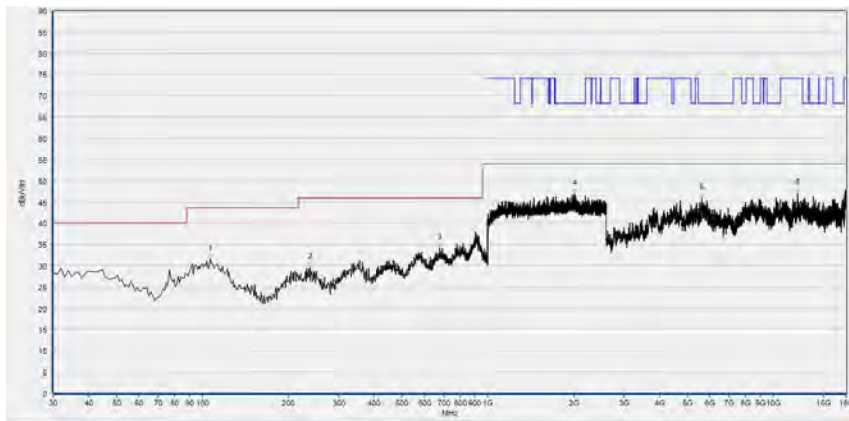
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
99.840	31.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
216.240	29.15	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
688.630	34.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1722.667	46.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5643.040	46.43	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12742.440	46.97	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

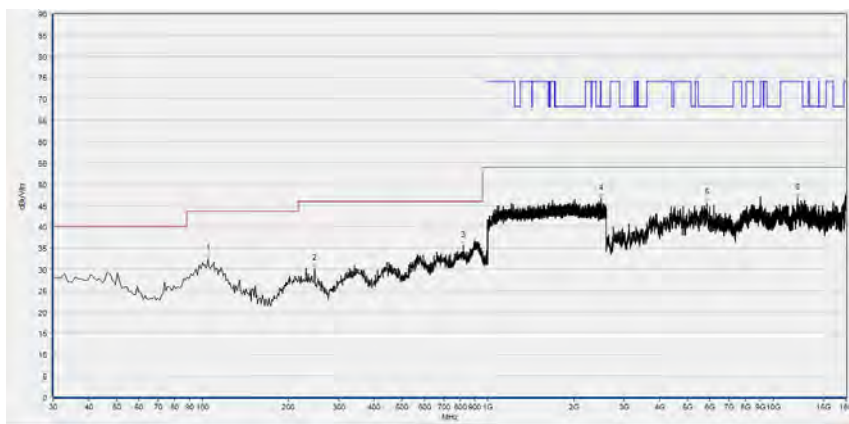
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 122



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	31.46	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
238.550	29.69	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
677.960	34.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2009.600	46.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5627.640	45.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12169.560	47.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

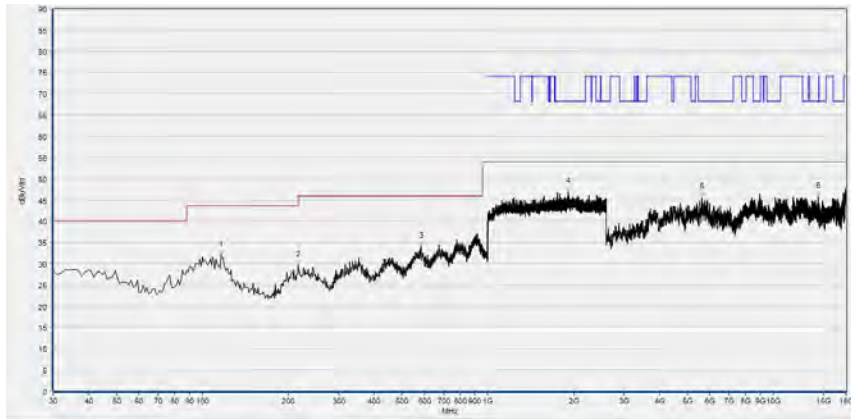
(Antenna Horizontal, 30MHz to 18GHz)



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
104.690	32.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
247.280	30.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
821.520	35.52	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2488.533	46.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5858.640	45.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12154.160	46.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

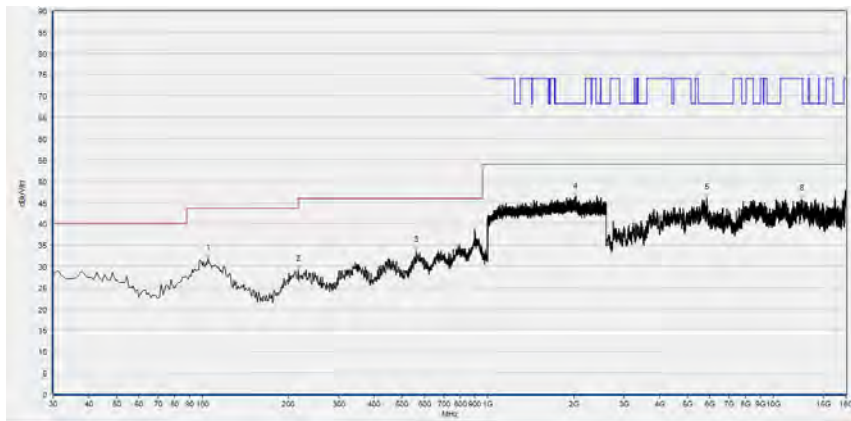
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 138



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
116.330	31.95	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
216.240	29.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
583.870	33.97	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1909.867	46.99	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5633.800	45.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14411.800	45.71	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

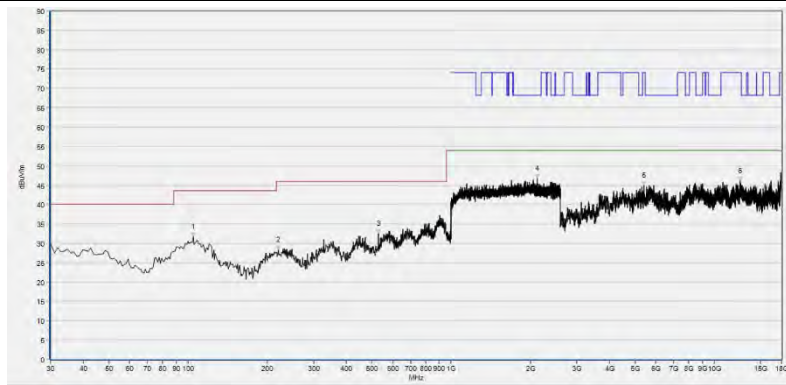


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	31.88	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
216.240	29.24	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
561.560	33.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2022.933	46.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5852.480	46.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12563.800	45.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

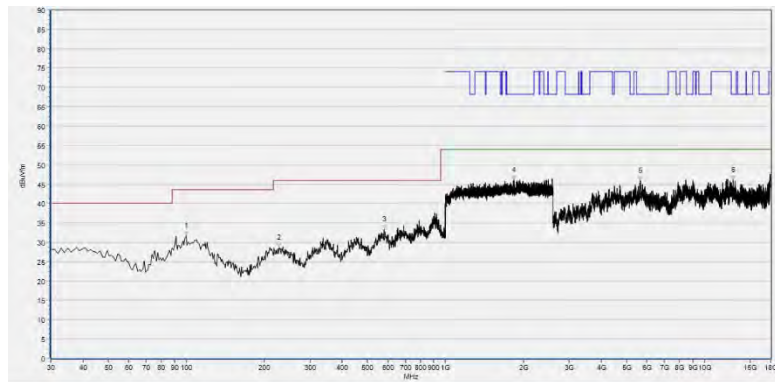


Plot for Channel 155



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
104.690	31.67	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
220.120	28.35	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
529.550	32.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2122.667	46.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5399.720	44.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12536.080	46.03	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	31.69	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
227.880	28.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
579.020	33.40	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1841.067	46.13	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5655.360	45.97	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12899.520	46.11	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

— END OF REPORT —