



(Channel 100, 5500MHz, 802.11ac (VHT20))



(Channel 120, 5600MHz, 802.11ac (VHT20))



(Channel 140, 5700MHz, 802.11ac (VHT20))



(Channel 149, 5745MHz, 802.11ac (VHT20))



(Channel 157, 5785MHz, 802.11ac (VHT20))



(Channel 165, 5825MHz, 802.11ac (VHT20))



802.11ac (VHT40) Mode

A. Test Verdict:

Channel	Frequency (MHz)	Measured PSD (dBm/MHz)	Duty Factor	Corrected PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
38	5190	2.25	0.71	2.96	11	PASS
46	5230	1.85		2.56		
54	5270	1.72		2.43		
62	5310	2.52		3.23		
102	5510	1.97		2.68		
126	5630	2.20		2.91		
134	5670	1.66		2.37		
Channel	Frequency (MHz)	Measured PSD (dBm/500KHz)	Duty Factor	Corrected PSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
151	5755	-0.75	0.71	-0.04	30	PASS
155	5795	-0.97		-0.26		

B. Test Plot:



(Channel 38, 5190MHz, 802.11ac (VHT40))



(Channel 46, 5230MHz, 802.11ac (VHT40))



(Channel 54, 5270MHz, 802.11ac (VHT40))



(Channel 62, 5310MHz, 802.11ac (VHT40))



(Channel 102, 5510MHz, 802.11ac (VHT40))



(Channel 126, 5630MHz, 802.11ac (VHT40))



(Channel 134, 5670MHz, 802.11ac (VHT40))



(Channel 151, 5755MHz, 802.11ac (VHT40))



(Channel 159, 5795MHz, 802.11ac (VHT40))



802.11ac (VHT80) Mode

A. Test Verdict:

Channel	Frequency (MHz)	Measured PSD (dBm/MHz)	Duty Factor	Corrected PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
42	5210	-1.17	1.46	0.29	11	PASS
58	5290	-2.32		-0.86		
106	5530	-2.13		-0.67		
122	5610	-1.89		-0.43		
138	5690	-2.36		-0.90		
Channel	Frequency (MHz)	Measured PSD (dBm/500KHz)	Duty Factor	Corrected (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
138	5690	-6.62	1.46	-5.16	30	PASS
155	5775	-4.30		-2.84		

B. Test Plot:



(Channel 42, 5210MHz, 802.11ac (VHT80))



(Channel 58, 5290MHz, 802.11ac (VHT80))



(Channel 106, 5530MHz, 802.11ac (VHT80))



(Channel 122, 5610MHz, 802.11ac (VHT80))



(Channel 138, 5690MHz, 802.11ac (VHT80))



(Channel 138, 5690MHz, 802.11ac (VHT80))



(Channel 155, 5775MHz, 802.11ac (VHT80))



2.6. Frequency Stability

2.6.1. Requirement

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user’s manual.

2.6.2. Test Procedure

The EUT was placed inside of an environmental chamber as the temperature in the chamber was varied between 5°C to 40°C. The temperature was incremented by 10° intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel’s center frequency was recorded. Data for the worst case channel is shown below.

2.6.3. Test Result

U-NII-1 (Ch. 36)				
5180MHz				
VOLTAGE (%)	POWER (VDC)	TEMP (°C)	Fre. Dev. (kHz)	Deviation (ppm)
100%	3.87	+20(Ref)	24	4.633
100%		-30	25	4.826
100%		-20	16	3.089
100%		-10	30	5.792
100%		0	17	3.282
100%		+10	22	4.247
100%		+20	21	4.054
100%		+30	23	4.440
100%		+40	28	5.405
100%		+50	25	4.826
115%	4.45	+20	16	3.089
85%	3.60	+20	31	5.985



U-NII-2A (Ch. 52)				
5260MHz				
VOLTAGE (%)	POWER (VDC)	TEMP (°C)	Fre. Dev. (kHz)	Deviation (ppm)
100%	3.87	+20(Ref)	19	3.612
100%		-30	26	4.943
100%		-20	24	4.563
100%		-10	25	4.753
100%		0	26	4.943
100%		+10	23	4.373
100%		+20	22	4.183
100%		+30	23	4.373
100%		+40	22	4.183
100%		+50	24	4.563
115%	4.45	+20	22	4.183
85%	3.60	+20	20	3.802

U-NII-2C (Ch. 100)				
5500MHz				
VOLTAGE (%)	POWER (VDC)	TEMP (°C)	Fre. Dev. (kHz)	Deviation (ppm)
100%	3.87	+20(Ref)	20	3.636
100%		-30	24	4.364
100%		-20	28	5.091
100%		-10	30	5.455
100%		0	21	3.818
100%		+10	23	4.182
100%		+20	22	4.000
100%		+30	29	5.273
100%		+40	34	6.182
100%		+50	24	4.364
115%	4.45	+20	26	4.727
85%	3.60	+20	29	5.273



U-NII-3 (Ch. 149)				
5745MHz				
VOLTAGE (%)	POWER (VDC)	TEMP (°C)	Fre. Dev. (kHz)	Deviation (ppm)
100%	3.87	+20(Ref)	21	3.655
100%		-30	25	4.352
100%		-20	26	4.526
100%		-10	19	3.307
100%		0	28	4.874
100%		+10	23	4.003
100%		+20	25	4.352
100%		+30	22	3.829
100%		+40	24	4.178
100%		+50	27	4.700
115%		4.45	+20	30
85%	3.60	+20	27	4.700

2.7. Conducted Emission

2.7.1. Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50μH/50Ω line impedance stabilization network (LISN).

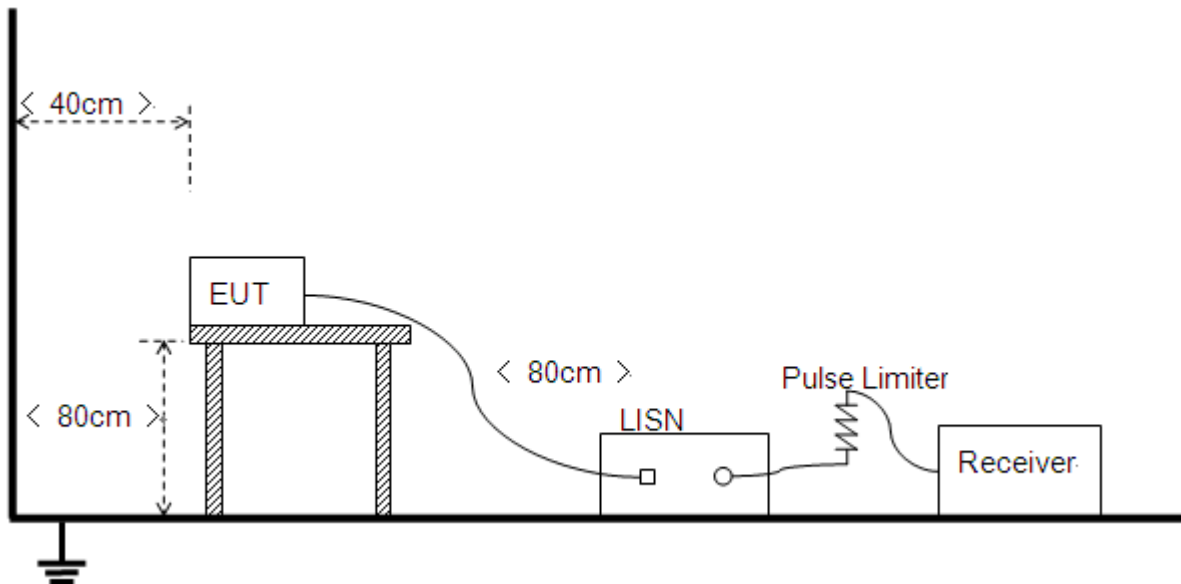
Frequency Range (MHz)	Conducted Limit (dBμV)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

Note:

- (a) The lower limit shall apply at the band edges.
- (b) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

2.7.2. Test Description

Test Setup:



The Table-top EUT was placed upon a non-metallic table 0.8m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.10: 2013.



2.7.3. Test Result

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 Plot below.

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

A. Test Setup:

Test Mode: EUT+ Adapter+WIFI TX

Test Voltage: AC 120V/60Hz

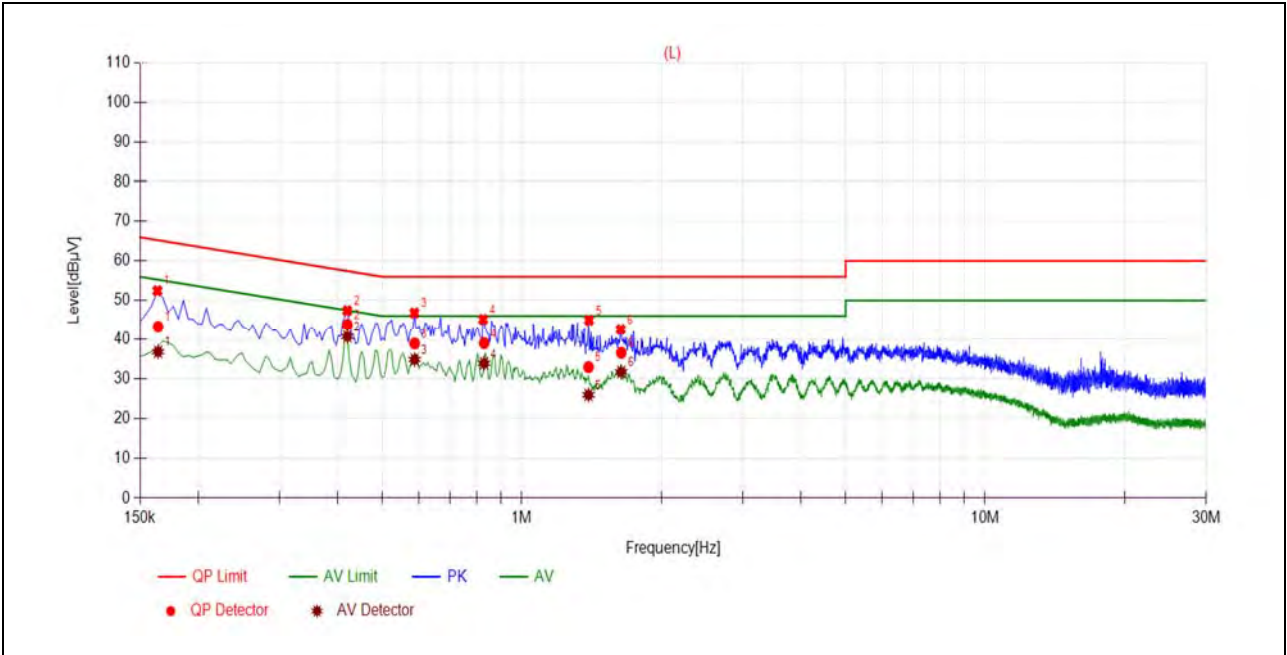
The measurement results are obtained as below:

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

U_R : Receiver Reading

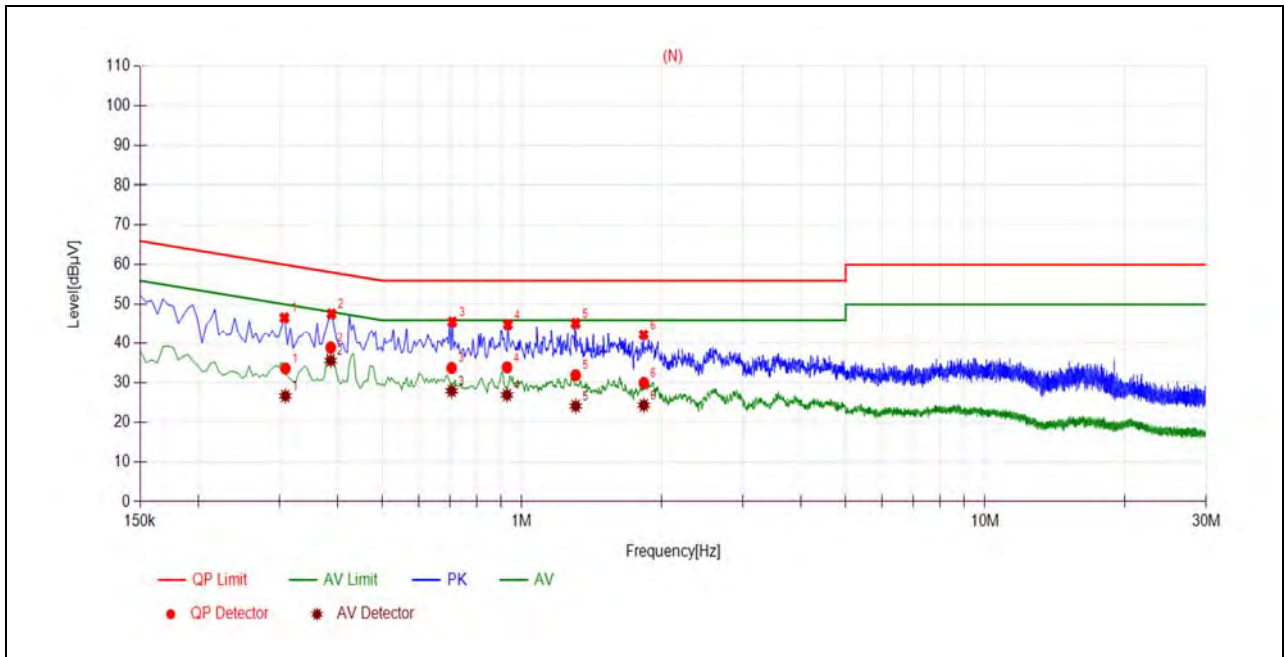
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1640	43.25	36.80	65.26	55.26	Line	PASS
2	0.4202	43.79	40.71	57.44	47.44		PASS
3	0.5870	38.92	34.83	56.00	46.00		PASS
4	0.8291	39.03	33.88	56.00	46.00		PASS
5	1.3929	32.93	25.90	56.00	46.00		PASS
6	1.6397	36.55	31.71	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	0.3088	33.56	26.59	60.00	50.00	Neutral	PASS
2	0.3867	38.89	35.58	58.13	48.13		PASS
3	0.7057	33.70	27.90	56.00	46.00		PASS
4	0.9290	33.86	26.85	56.00	46.00		PASS
5	1.3071	31.86	24.06	56.00	46.00		PASS
6	1.8340	29.91	24.27	56.00	46.00		PASS

2.8. Restricted Frequency Bands

2.8.1. Requirement

The peak emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (2) For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (3) For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
 - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

The following formula is used to convert the equipment isotropic radiated power(e.i.r.p.) to field strength (dBμV/m);

$$E = 1000000 \times \sqrt{30P} / 3 \mu\text{V/m}$$

where P is the EIRP in Watts

Therefore: -27 dBm/MHz = 68.23 dBuV/m

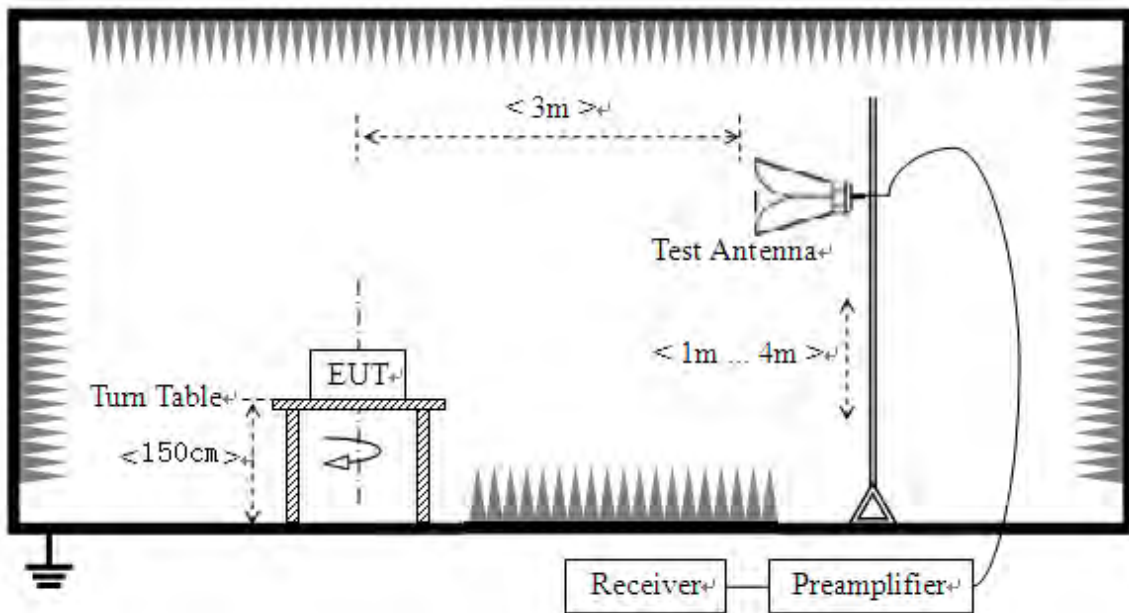
Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).

2.8.2. Test Description

Test Setup





The EUT is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading.

KDB 789033 Section H) 3)5)6(d)) was used in order to prove compliance

For the Test Antenna:

Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength.

2.8.3. Test Result

The lowest and highest channels are tested to verify 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.

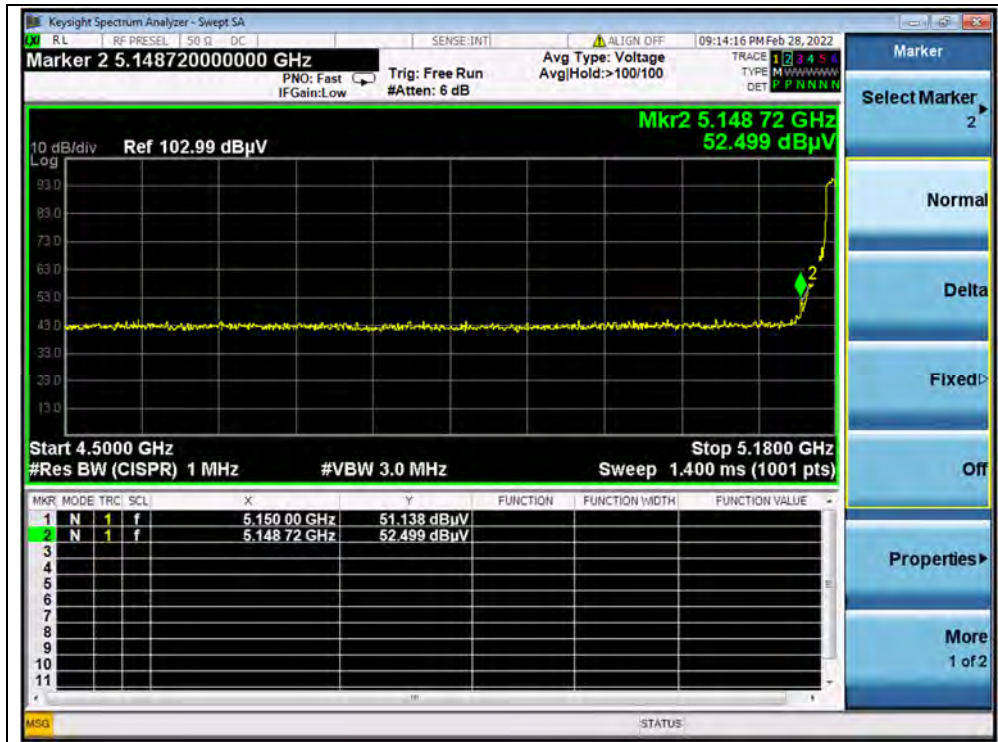
802.11a Mode

A.Test Verdict:

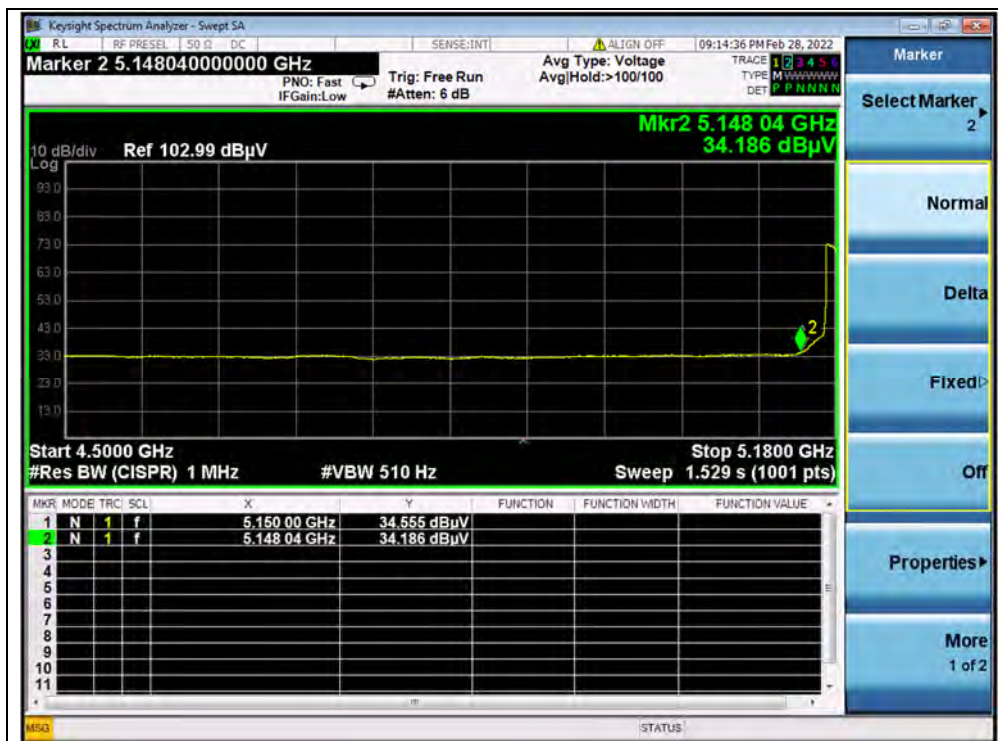
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)					
36	5148.72	PK	52.50	-19.54	32.20	65.16	74	PASS
36	5150.00	AV	34.56	-19.54	32.20	47.22	54	PASS
64	5351.08	PK	52.25	-18.80	32.20	65.65	74	PASS
64	5350.00	AV	31.57	-18.80	32.20	44.97	54	PASS
100	5470.00	PK	47.25	-19.20	32.20	60.25	68.23	PASS
100	5119.32	AV	33.51	-19.20	32.20	46.51	54	PASS
144	5725.00	PK	50.39	-19.20	32.20	63.39	68.23	PASS
149	5725.00	PK	59.43	-19.01	32.20	72.62	122.23	PASS
165	5850.00	PK	53.36	-19.01	32.20	66.55	122.23	PASS



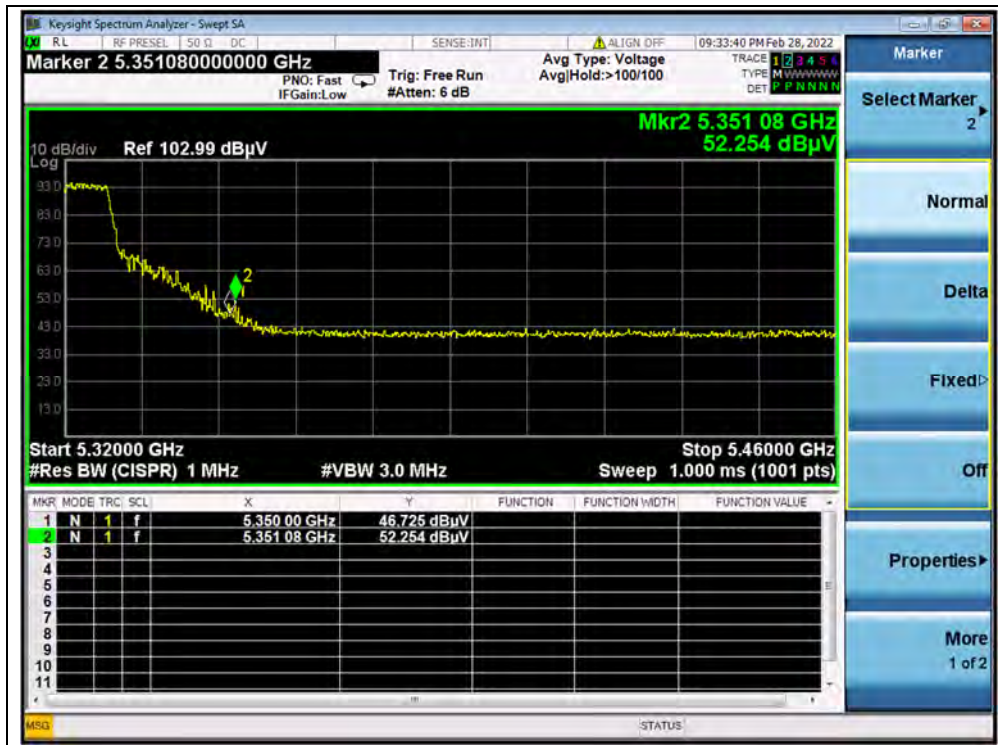
B.Test Plot:



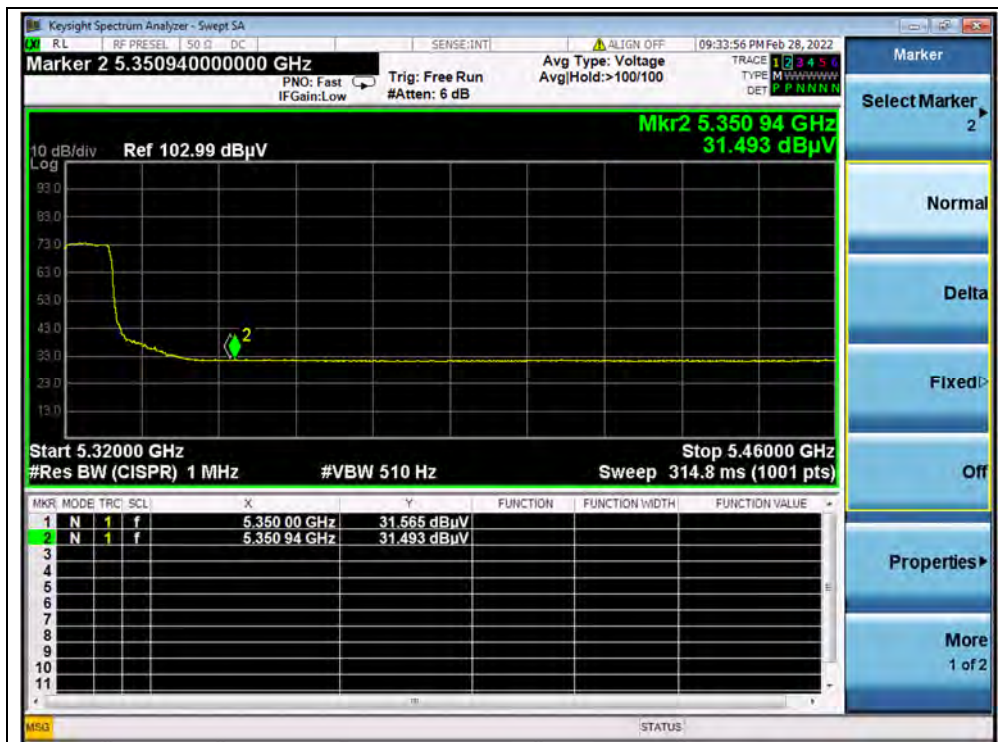
(PEAK, Channel 36, 802.11a)



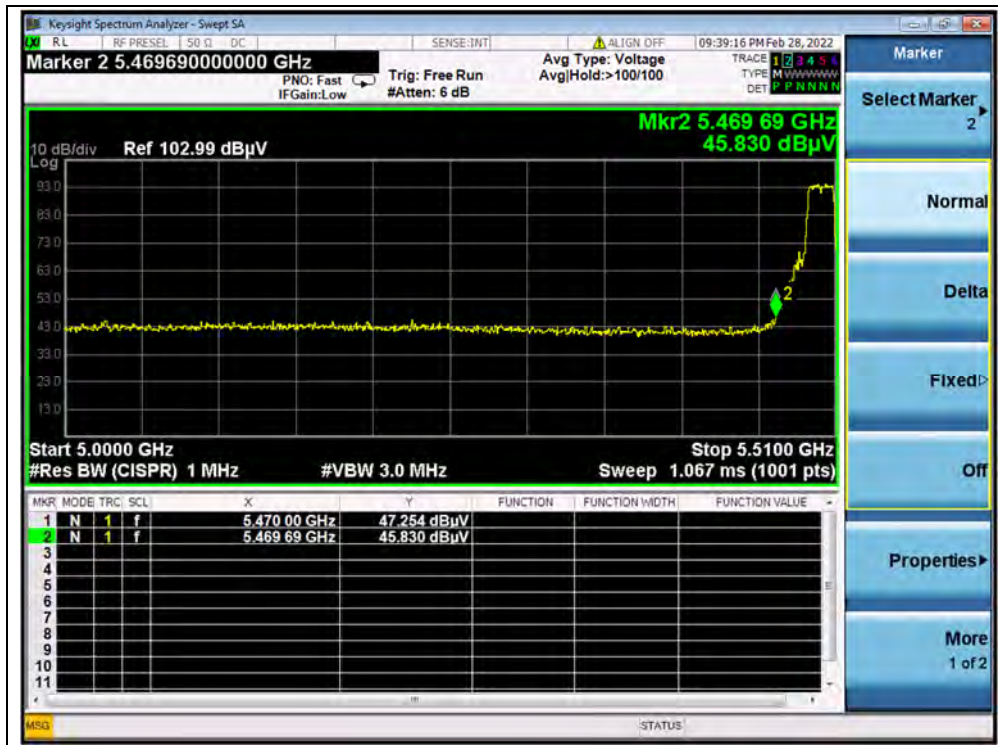
(AVERAGE, Channel 36, 802.11a)



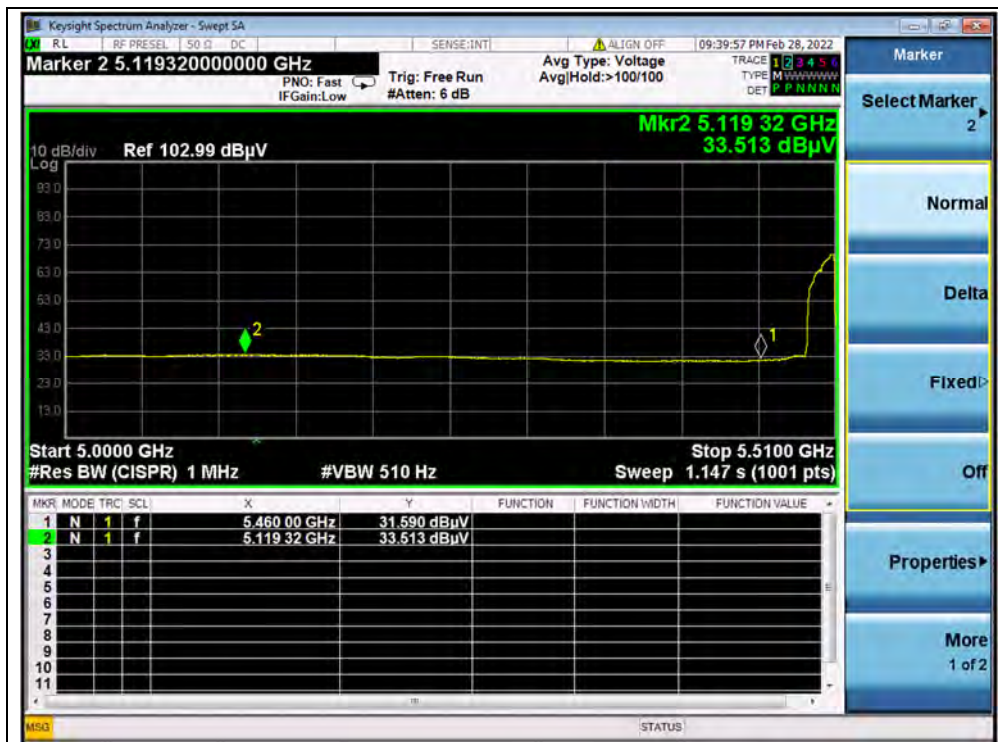
(PEAK, Channel 64, 802.11a)



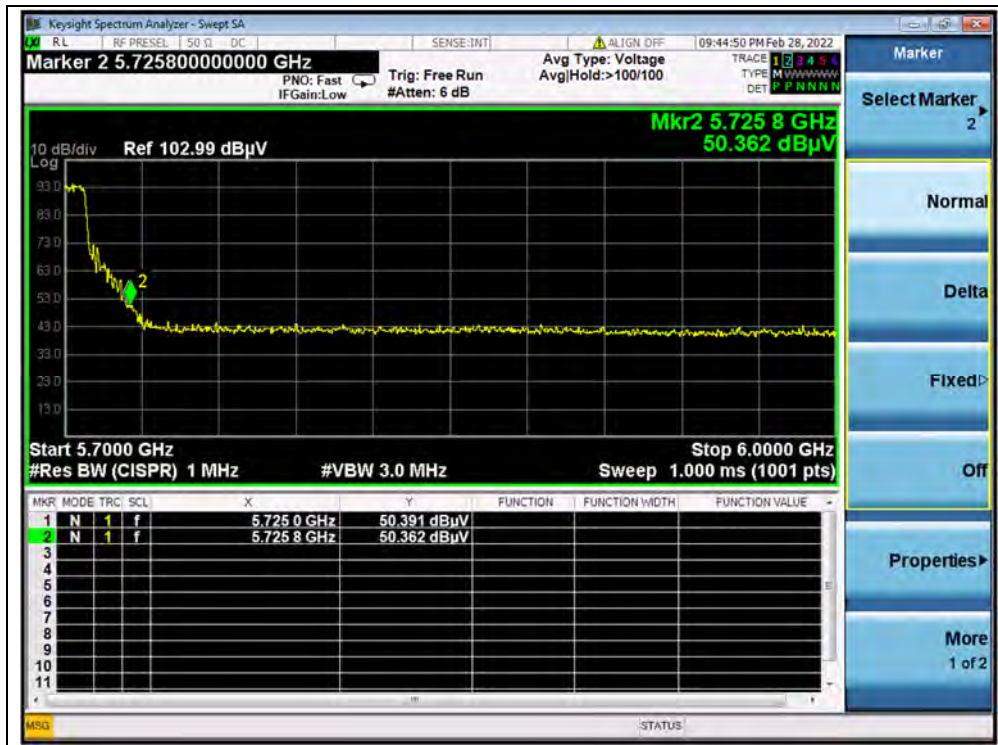
(AVERAGE, Channel 64, 802.11a)



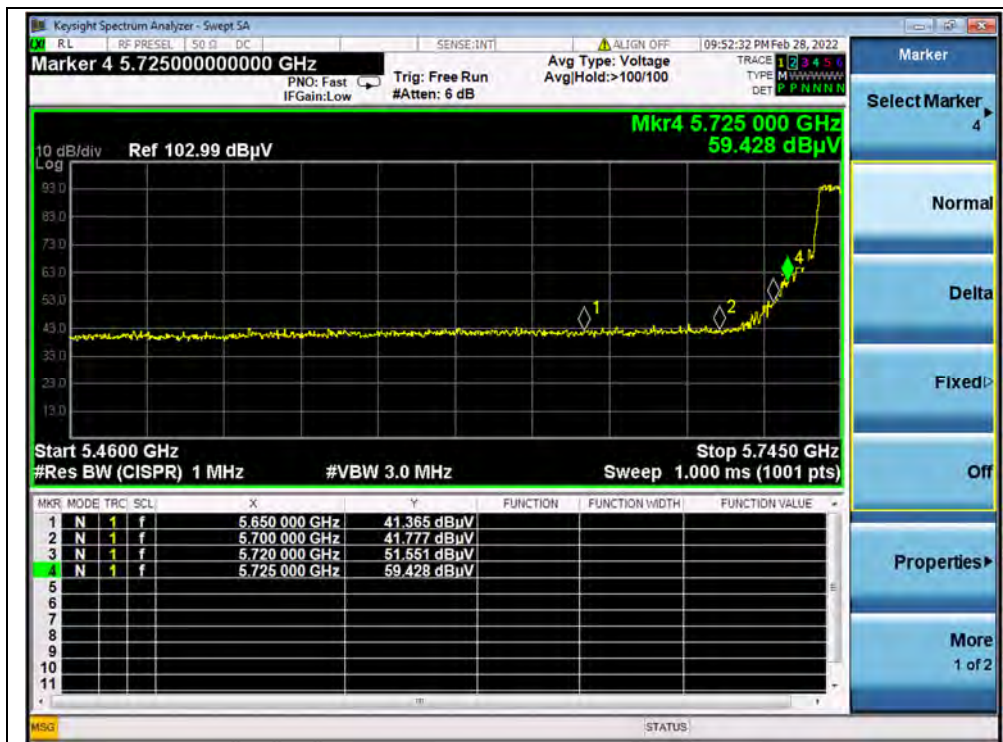
(PEAK, Channel 100, 802.11a)



(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)



(PEAK, Channel 165, 802.11a)

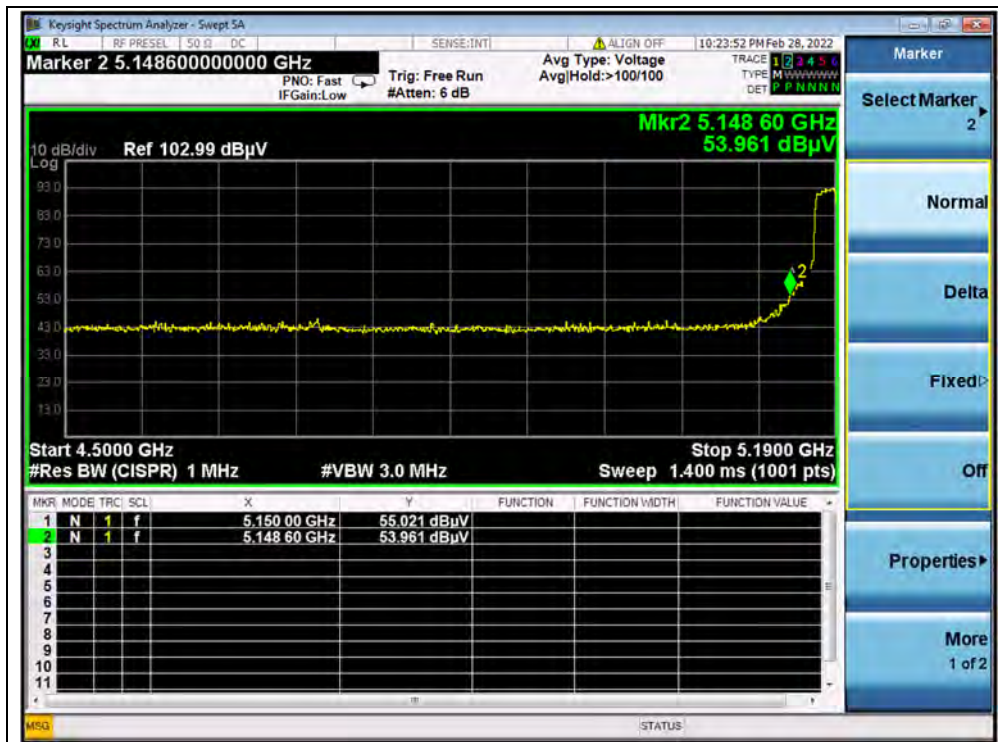


802.11n (HT40) Mode

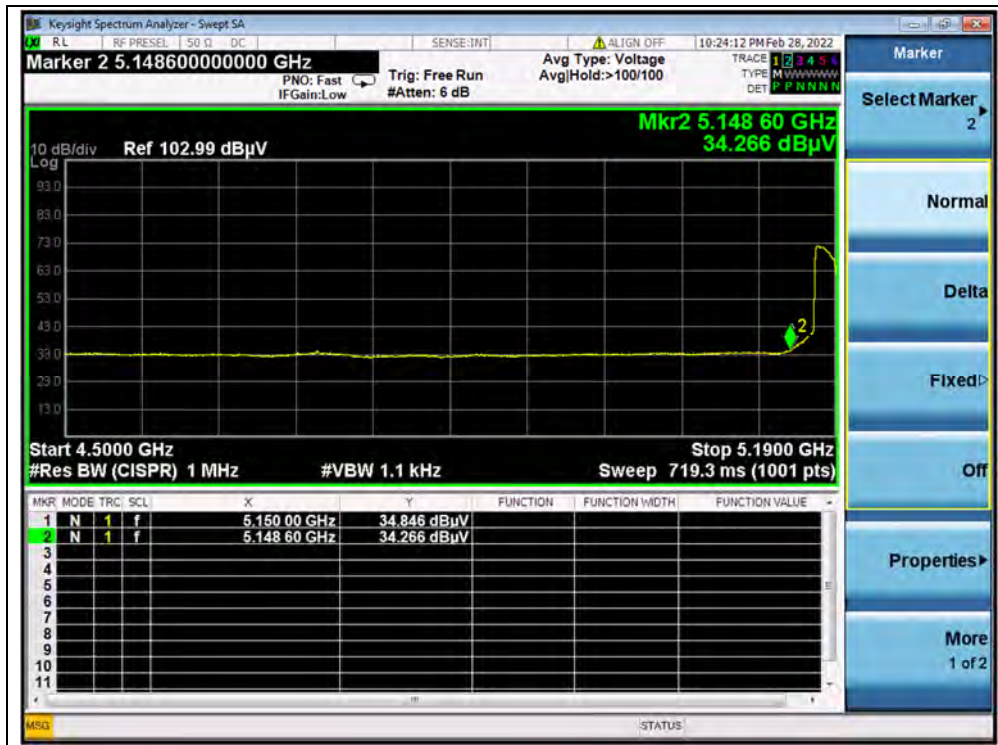
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading U _R (dBμV)	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
38	5150.00	PK	55.02	-19.54	32.20	67.68	74	PASS
38	5150.00	AV	34.85	-19.54	32.20	47.51	54	PASS
62	5351.08	PK	52.25	-18.80	32.20	65.65	74	PASS
62	5350.00	AV	31.57	-18.80	32.20	44.97	54	PASS
102	5470.00	PK	52.65	-19.20	32.20	65.65	68.23	PASS
102	5166.24	AV	33.74	-19.20	32.20	46.74	54	PASS
142	5732.37	PK	44.95	-19.20	32.20	57.95	68.23	PASS
151	5725.00	PK	59.19	-19.01	32.20	72.38	122.23	PASS
159	5855.00	PK	44.27	-19.01	32.20	57.46	110.83	PASS

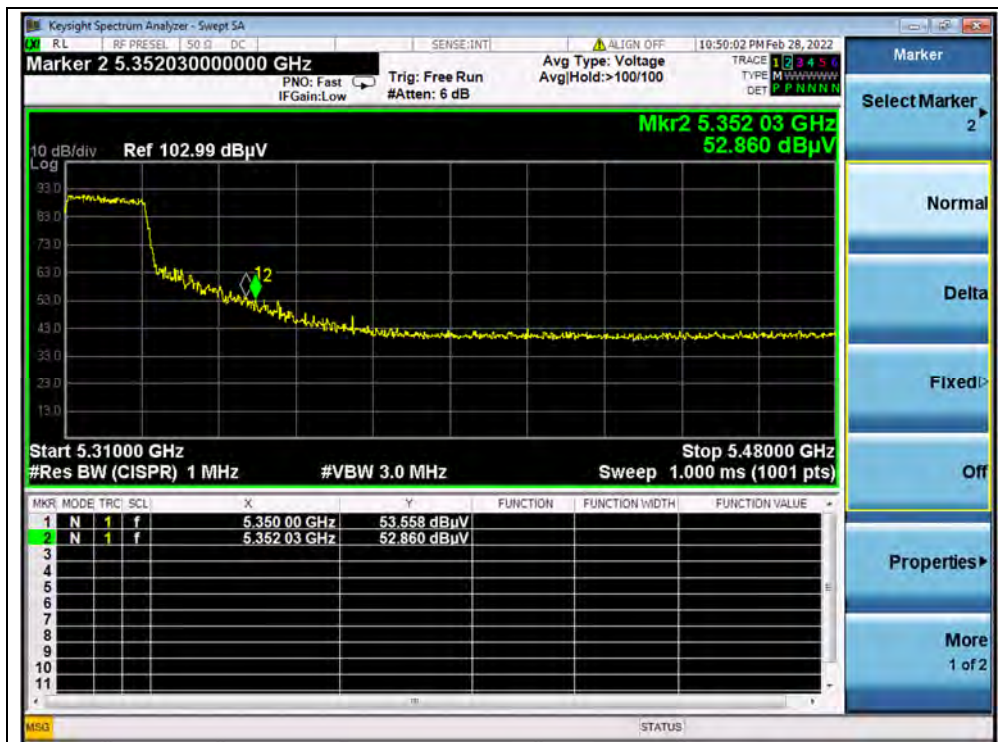
B. Test Plot:



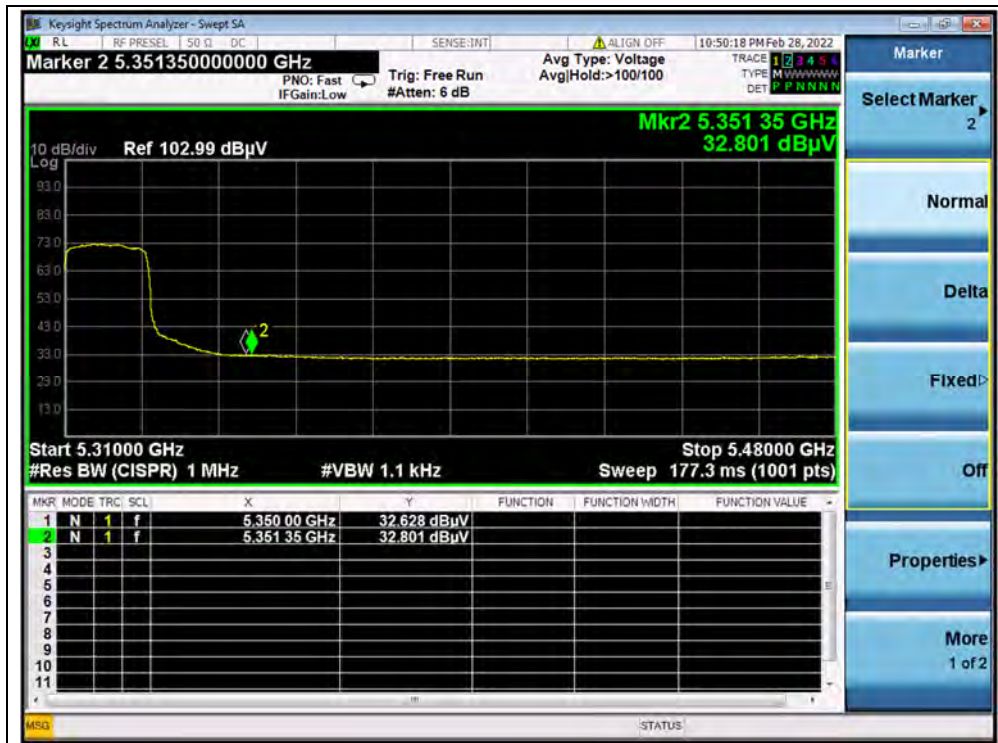
(PEAK, Channel 38, 802.11n (HT40))



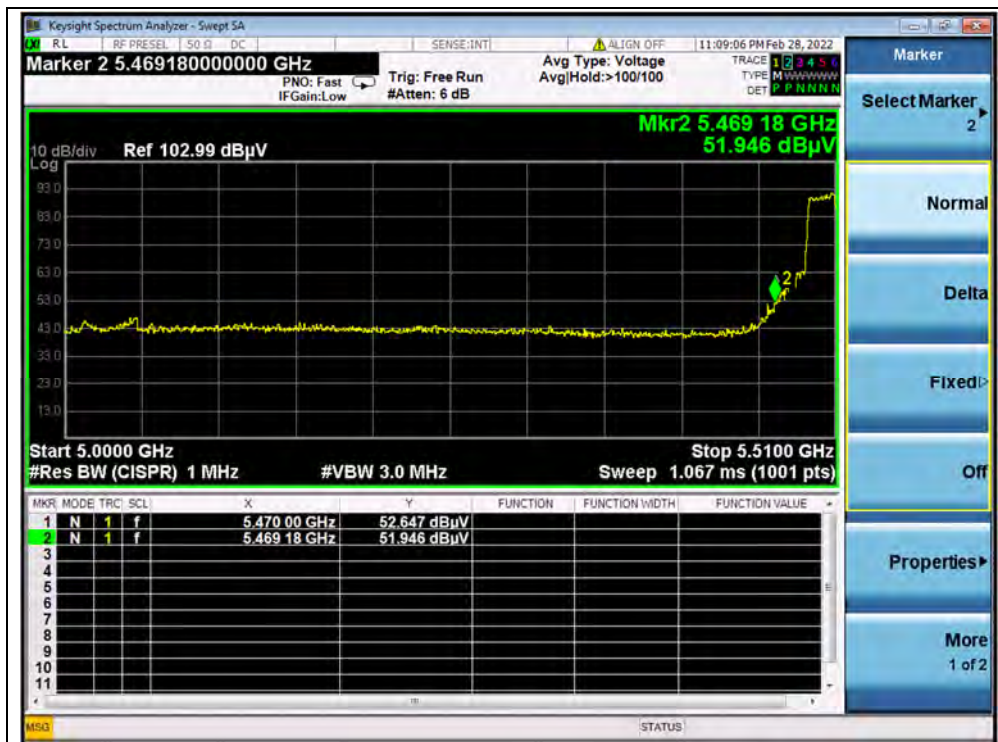
(AVERAGE, Channel 38, 802.11n (HT40))



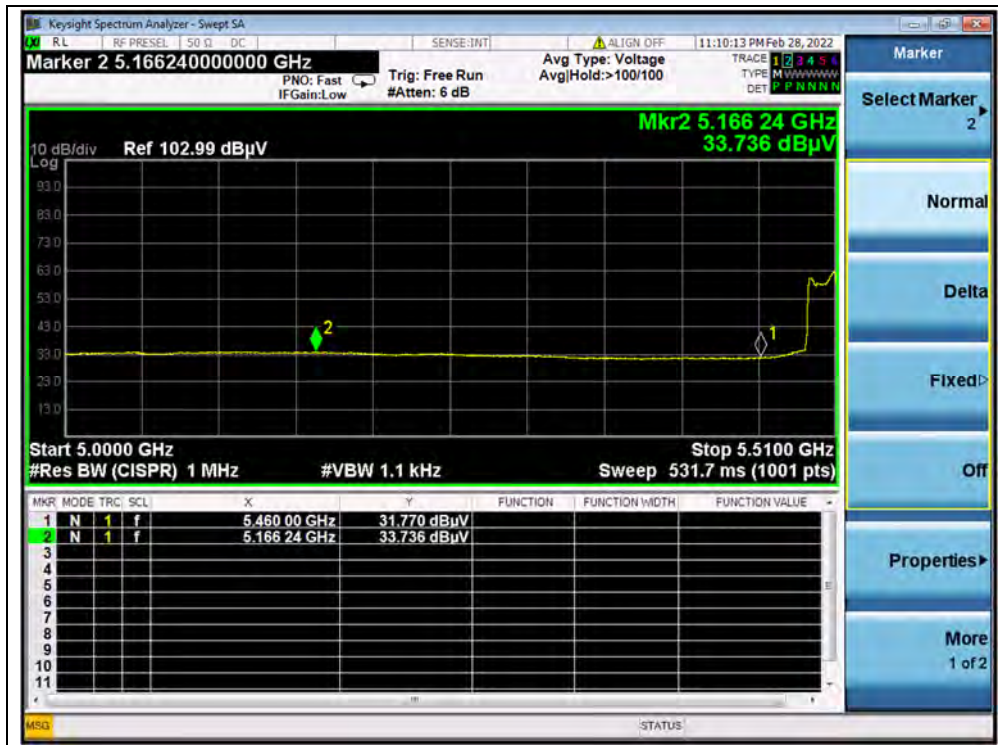
(PEAK, Channel 62, 802.11n (HT40))



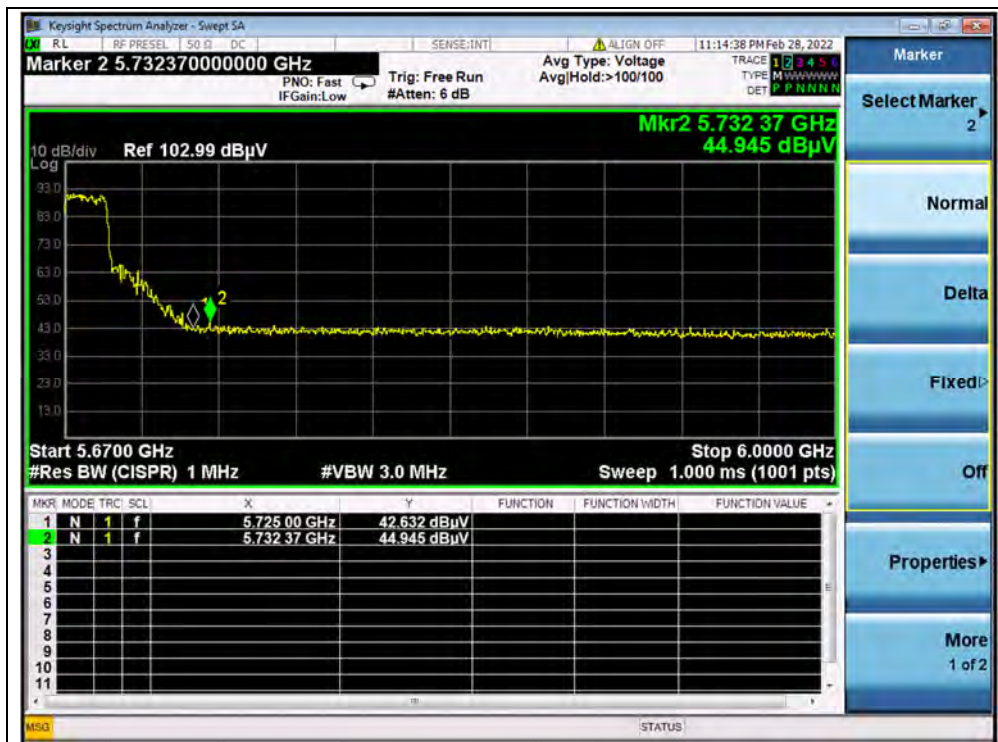
(AVERAGE, Channel 62, 802.11n (HT40))



(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))

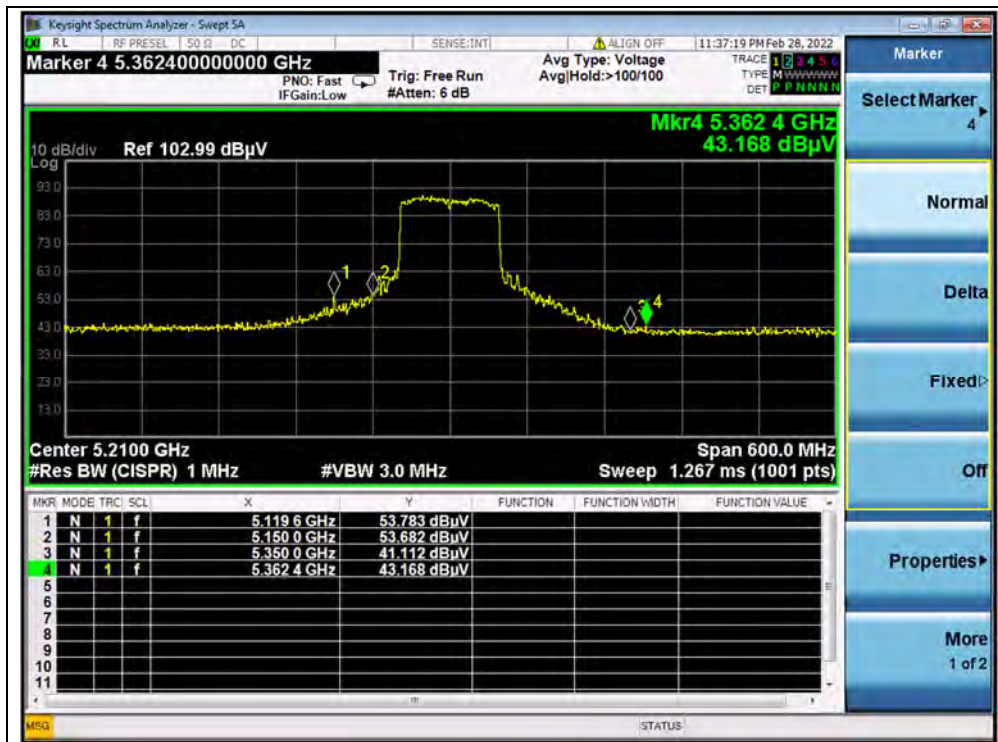


802.11ac (VHT80) Mode

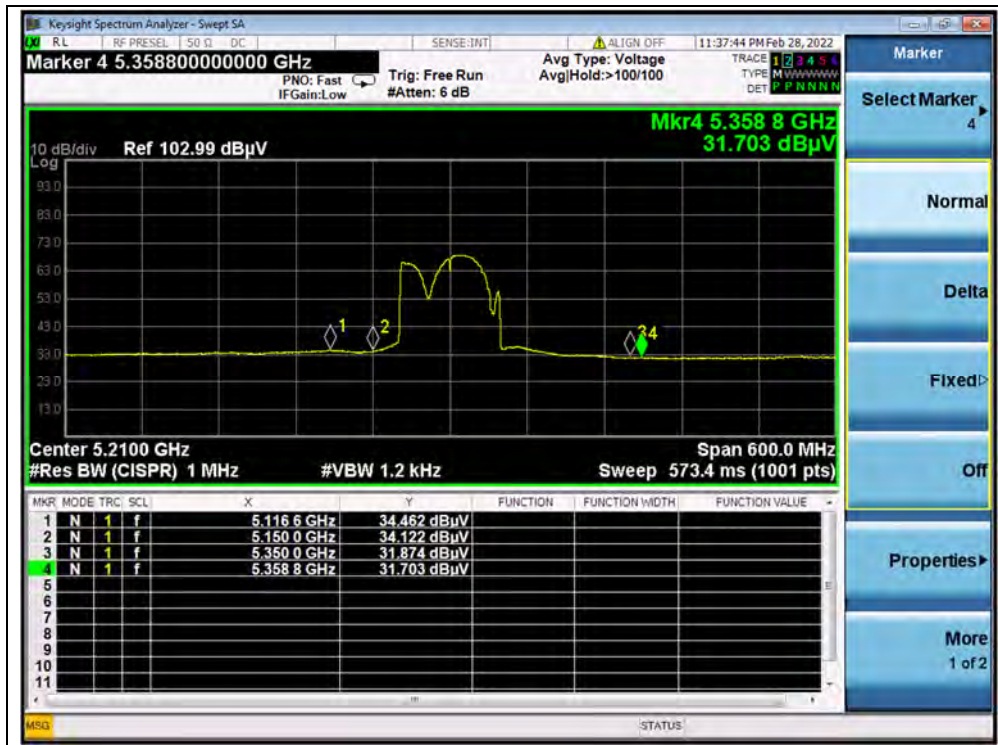
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading U _R (dBμV)	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
42	5119.60	PK	53.78	-19.54	32.20	66.44	74	PASS
42	5116.60	AV	34.46	-19.54	32.20	47.12	54	PASS
58	5358.20	PK	52.70	-18.80	32.20	66.10	74	PASS
58	5121.40	AV	33.99	-18.80	32.20	47.39	54	PASS
106	5466.36	PK	53.03	-19.20	32.20	66.03	68.23	PASS
106	5122.92	AV	33.98	-19.20	32.20	46.98	54	PASS
138	5743.77	PK	45.16	-19.20	32.20	58.16	68.23	PASS
155	5725.00	PK	58.18	-19.01	32.20	71.37	122.23	PASS
155	5855.00	PK	49.15	-19.01	32.20	62.34	110.83	PASS

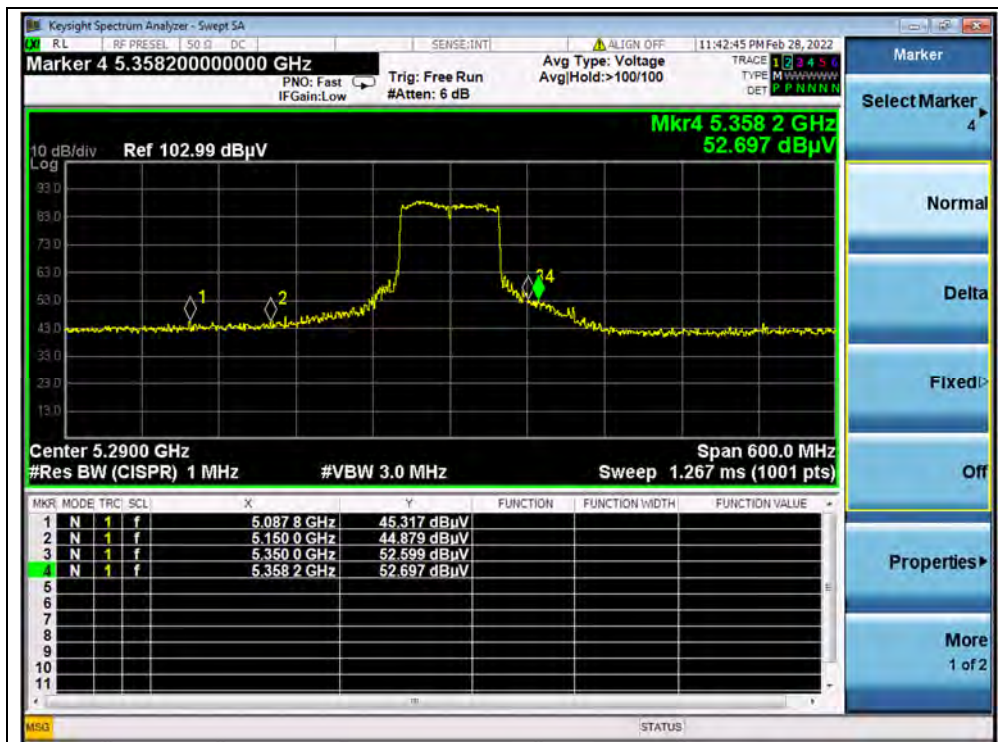
B. Test Plot:



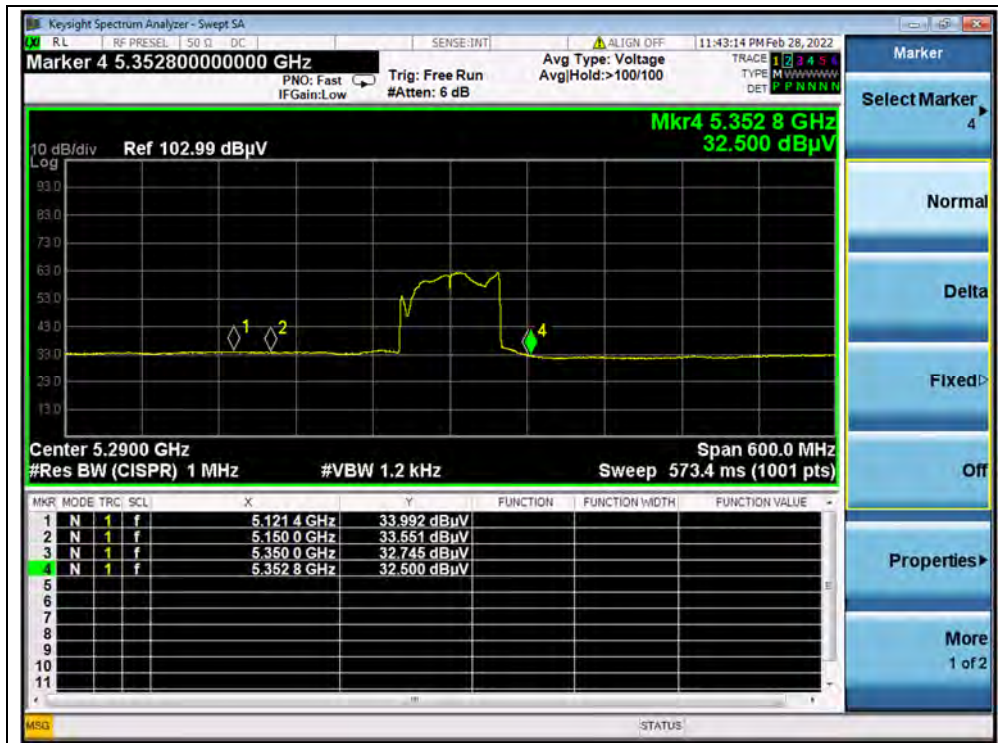
(PEAK, Channel 42, 802.11ac (VHT80))



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



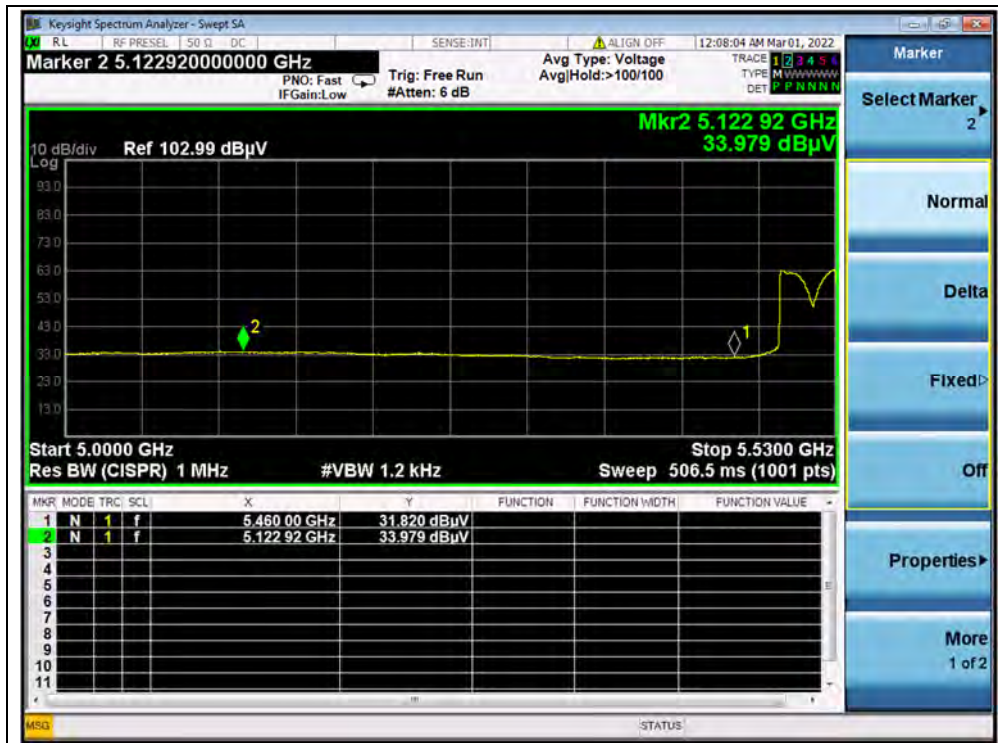
(PEAK, Channel 58, 802.11ac (VHT80))



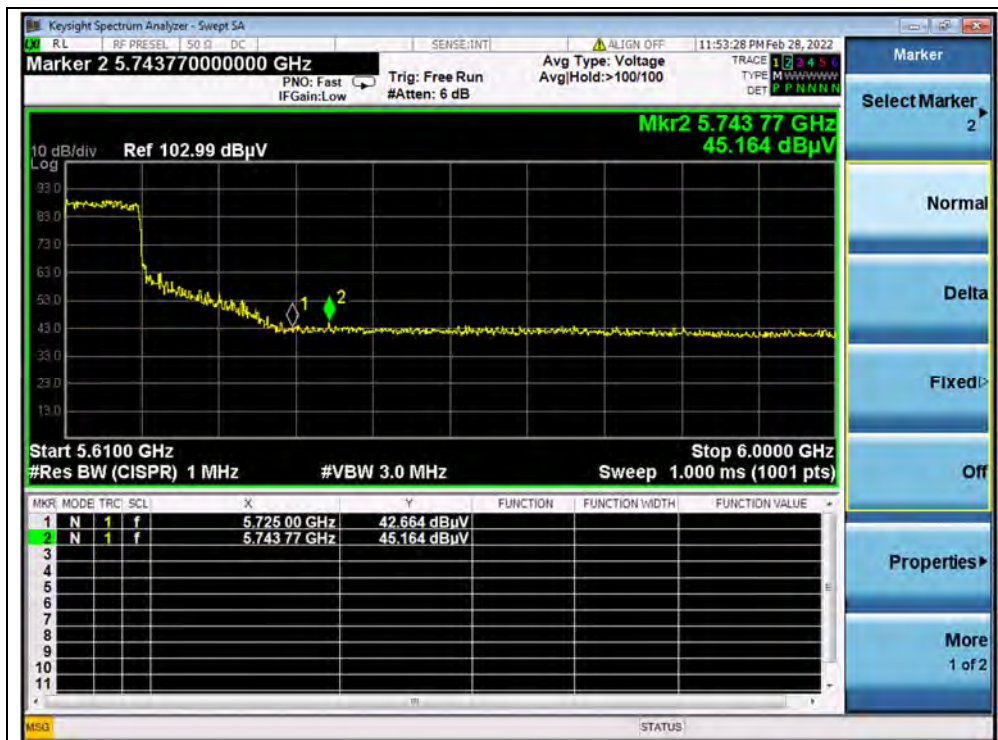
(AVERAGE, Channel 58, 802.11ac (VHT80))



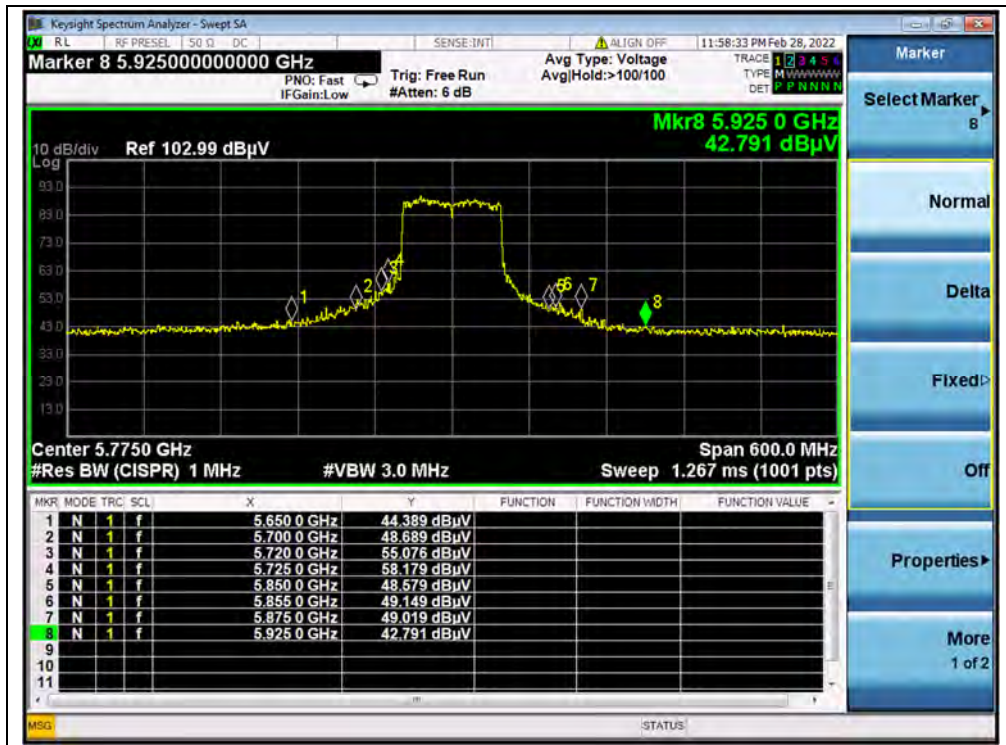
(PEAK, Channel 106, 802.11ac (VHT80))



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



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



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



2.9. Radiated Emission

2.9.1. Requirement

The peak emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (2) For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (3) For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

The following formula is used to convert the equipment isotropic radiated power(e.i.r.p.) to field strength (dBμV/m);

$$E = 1000000 \times \sqrt{30P} / 3 \mu\text{V/m}$$

where P is the EIRP in Watts

Therefore: -27 dBm/MHz = 68.23 dBuV/m

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

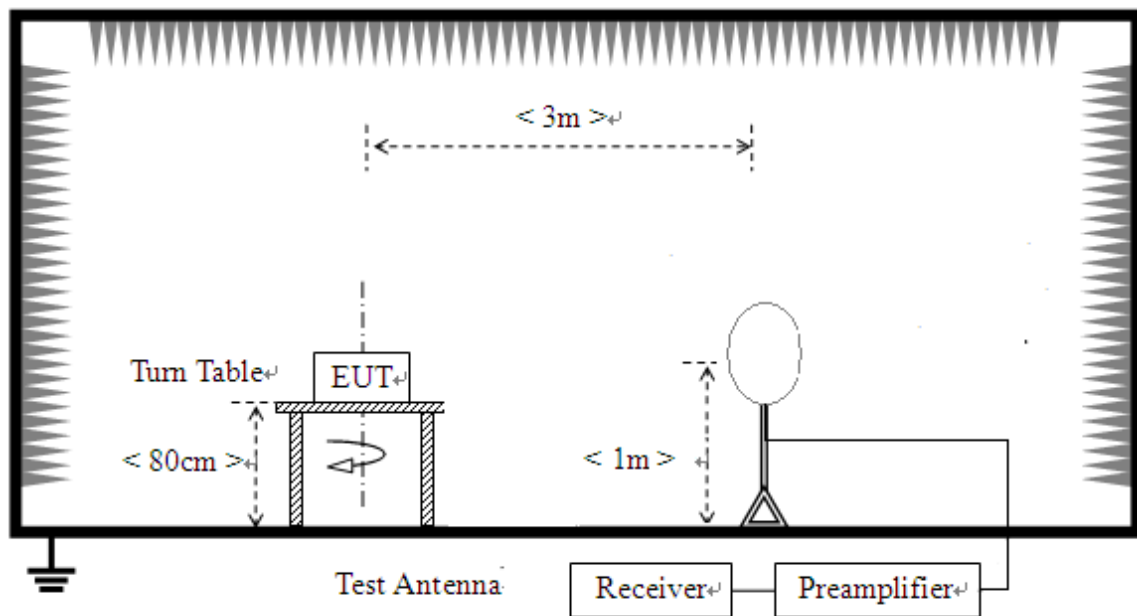
Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).

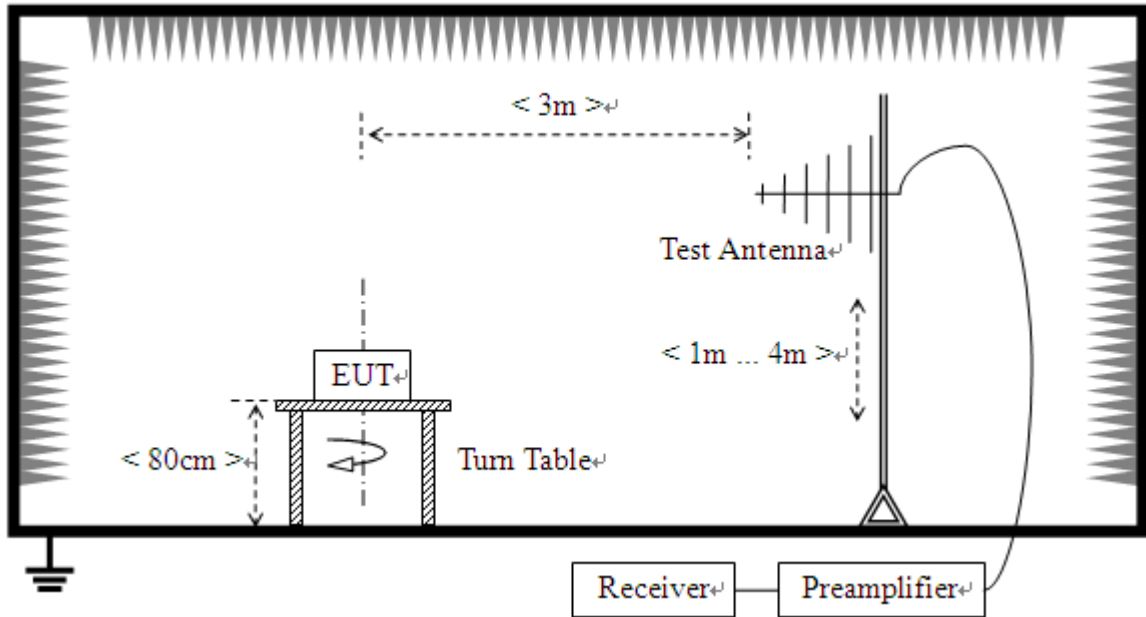
2.9.2. Test Description

Test Setup:

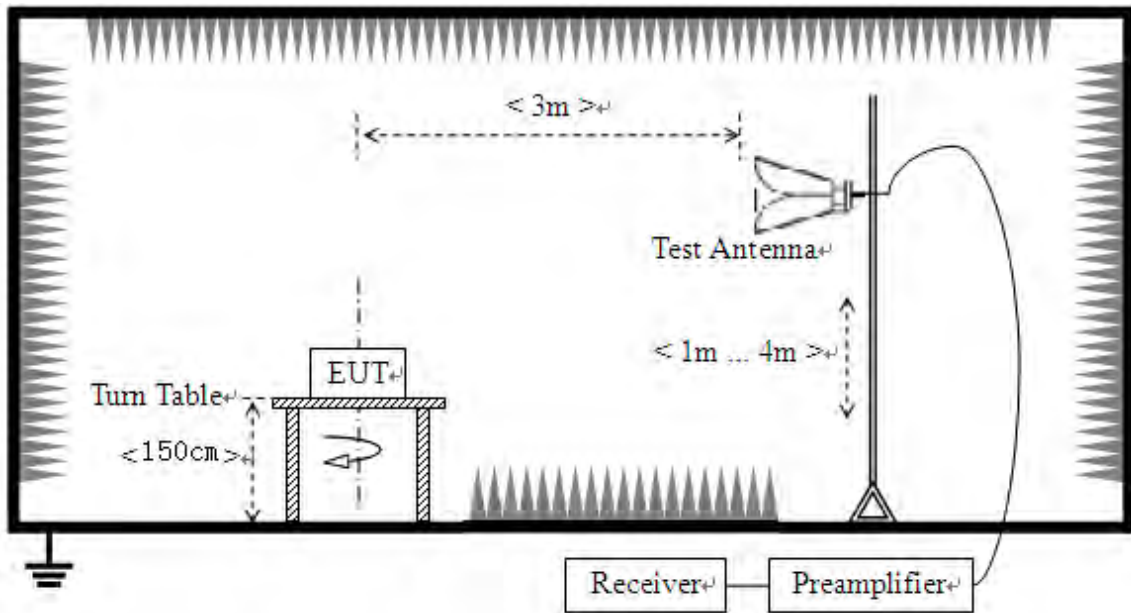
- 1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to1GHz



3) For radiated emissions above 1GHz



The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.



For measurements below 30MHz, the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9kHz-90 kHz, 110kHz-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements and as applicable for average measurements.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

2.9.3. Test Result

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 a 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.

Note 1: 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.

Note 2: 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.

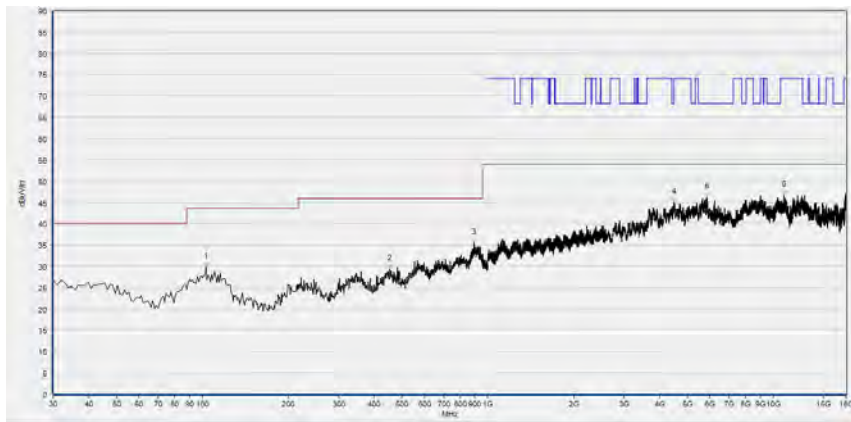
Note 3: For the frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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.



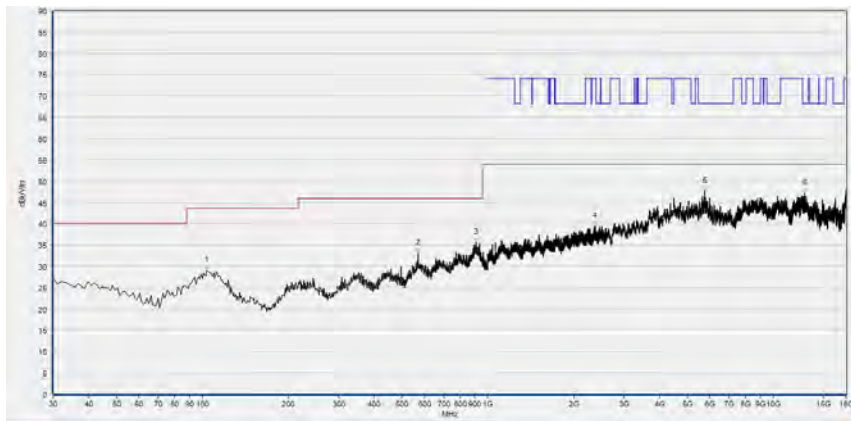
802.11a Mode

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
102.823	29.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
453.343	29.36	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
895.135	35.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4488.418	45.06	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5846.969	46.27	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10926.905	46.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

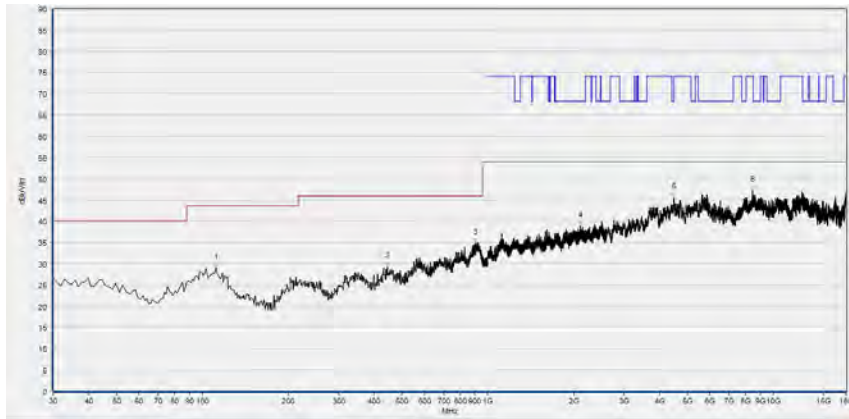
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
103.794	28.92	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
570.831	32.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
911.642	35.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2367.923	39.44	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5763.793	47.65	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12876.935	47.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

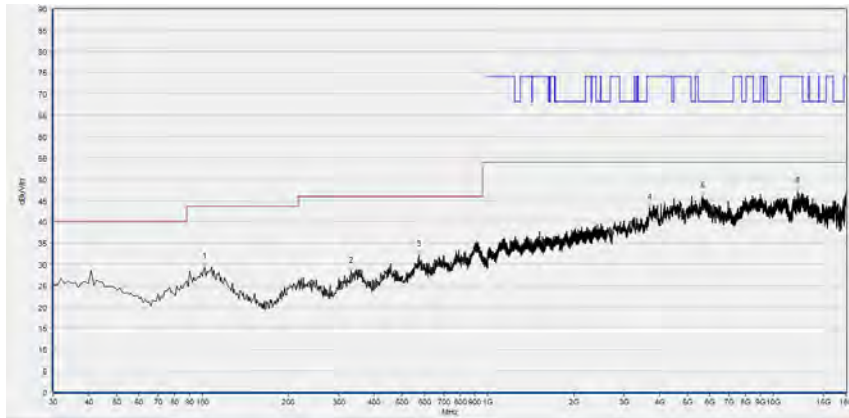
(Antenna Vertical, 30MHz to 18GHz)

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
111.562	28.94	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
444.605	29.25	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
904.845	34.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2113.438	38.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4485.337	45.58	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8456.251	47.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

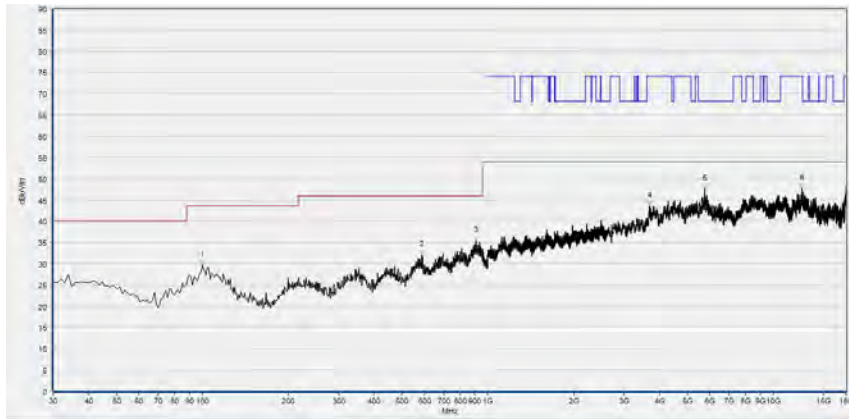
(Antenna Horizontal, 30MHz to 18GHz)



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
101.852	29.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
331.972	28.36	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
572.773	32.22	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
3690.538	43.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5662.132	45.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12156.071	47.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

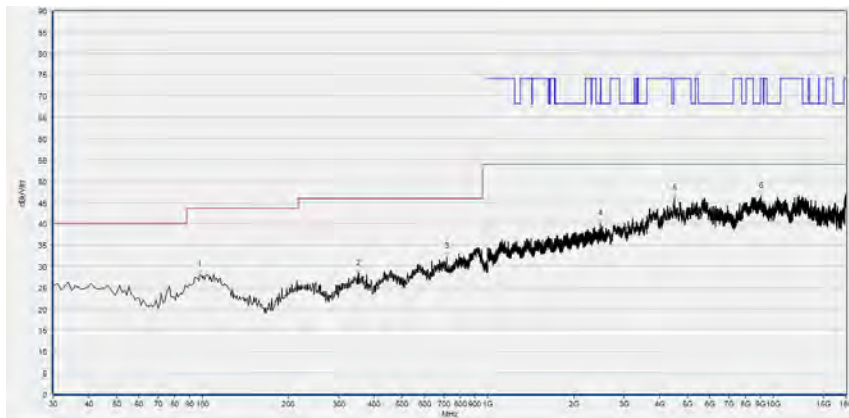
(Antenna Vertical, 30MHz to 18GHz)

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
99.910	29.65	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
587.337	31.94	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
910.671	35.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
3690.538	43.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5751.470	47.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12596.599	47.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

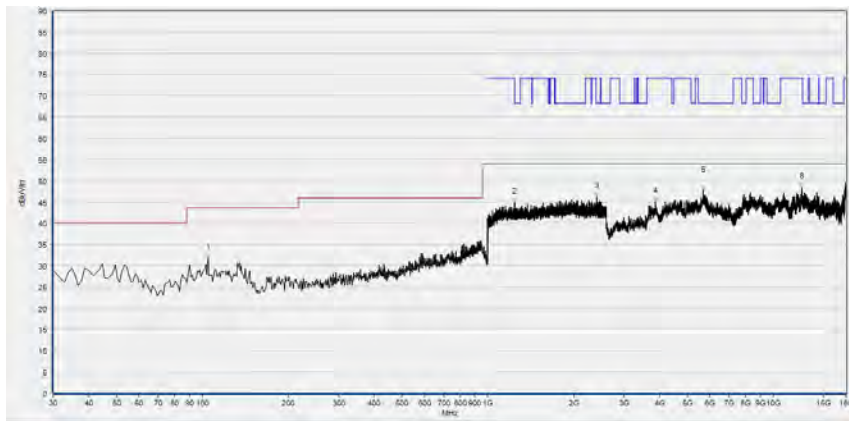
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.968	28.02	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
350.420	28.15	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
717.447	32.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2473.558	39.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4503.821	45.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9084.697	46.44	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

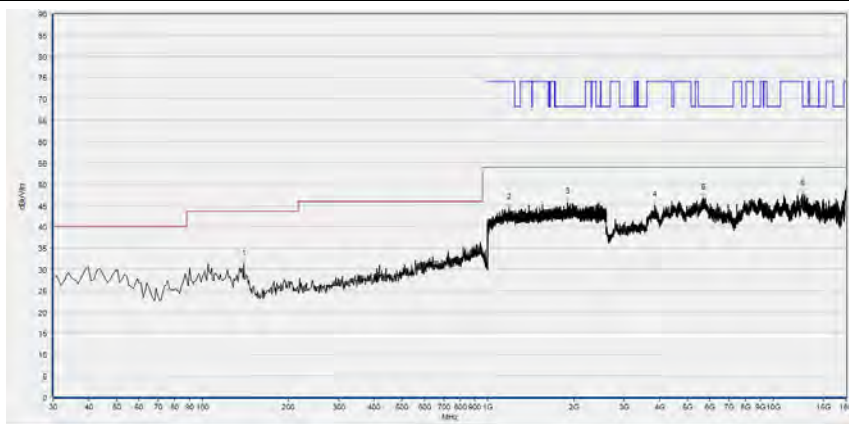
(Antenna Vertical, 30MHz to 18GHz)

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
104.690	31.82	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1240.533	44.84	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
2408.533	46.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3865.880	45.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5683.080	47.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12594.600	48.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

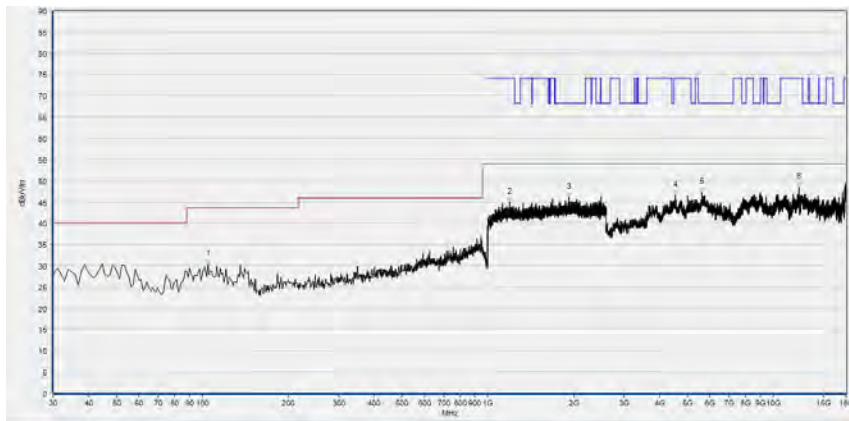
(Antenna Horizontal, 30MHz to 18GHz)



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
139.610	31.13	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1187.200	44.44	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1902.400	45.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3835.080	45.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5673.840	46.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12674.680	47.81	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

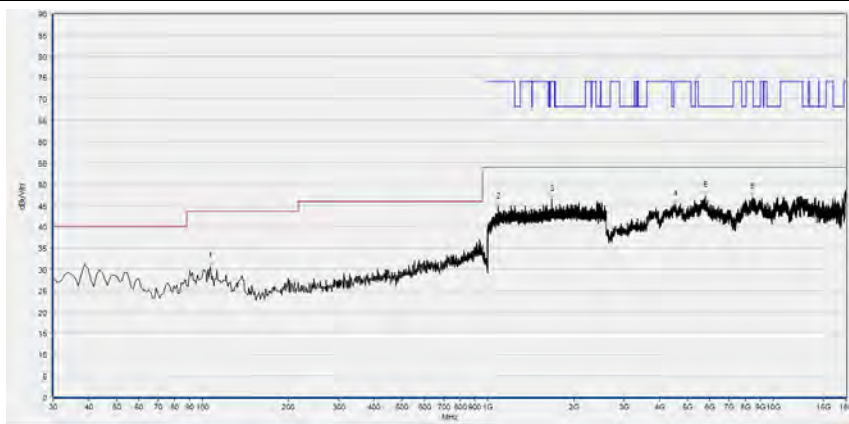
(Antenna Vertical, 30MHz to 18GHz)

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
104.690	30.36	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1194.667	44.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1920.000	46.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4528.080	46.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5627.640	47.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12305.080	48.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

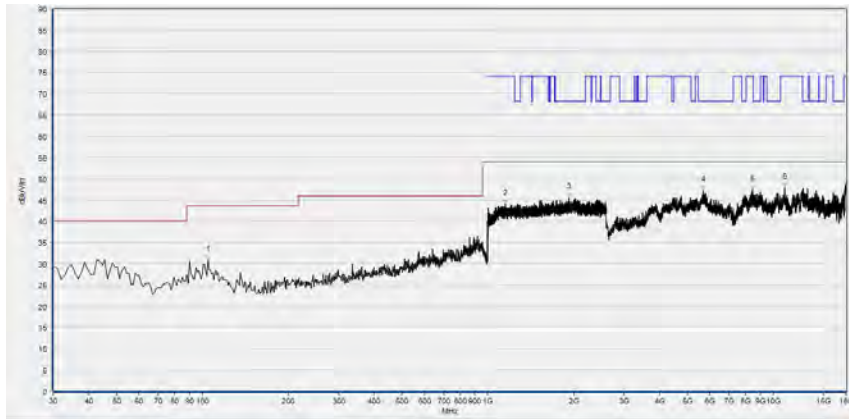
(Antenna Horizontal, 30MHz to 18GHz)



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	30.72	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1089.600	44.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1671.467	46.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4537.320	45.33	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5772.400	47.32	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8455.080	46.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

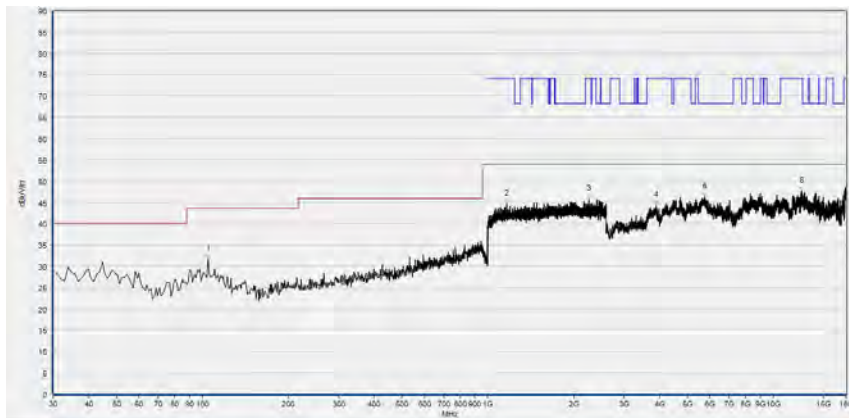
(Antenna Vertical, 30MHz to 18GHz)

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
104.690	30.84	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1153.600	44.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1918.400	45.51	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5686.160	47.27	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8445.840	47.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10943.720	47.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

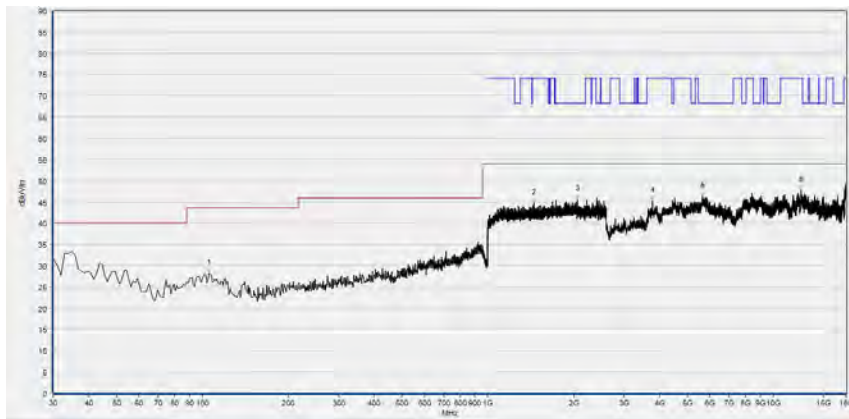
(Antenna Horizontal, 30MHz to 18GHz)



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	31.71	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1168.000	44.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2263.467	45.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3896.680	44.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5744.680	46.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12603.840	47.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

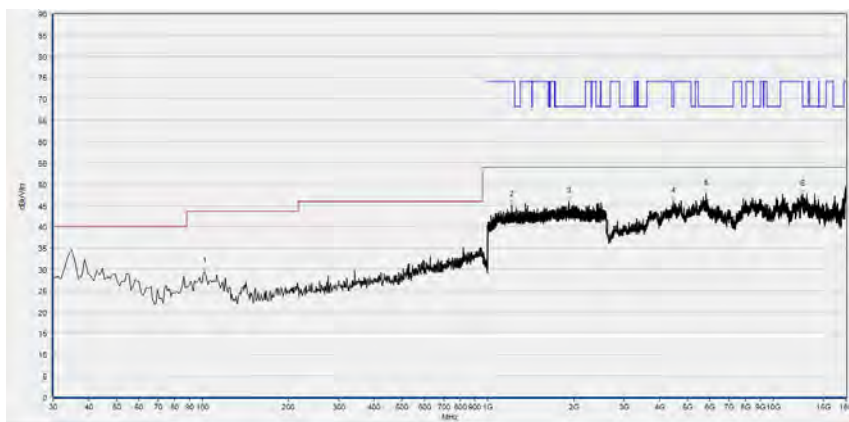
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	28.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1449.600	44.67	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2061.333	45.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3782.720	45.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5636.880	46.26	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12545.320	47.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

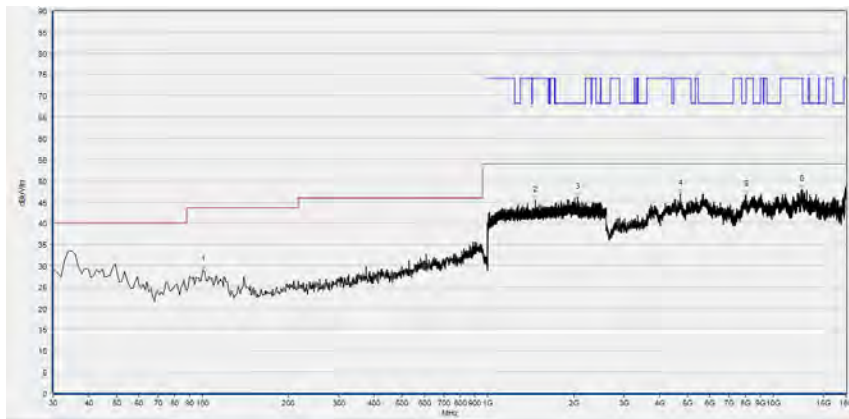
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
101.780	29.53	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1212.800	45.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1928.000	45.84	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4451.080	45.97	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5809.360	47.78	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12640.800	47.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

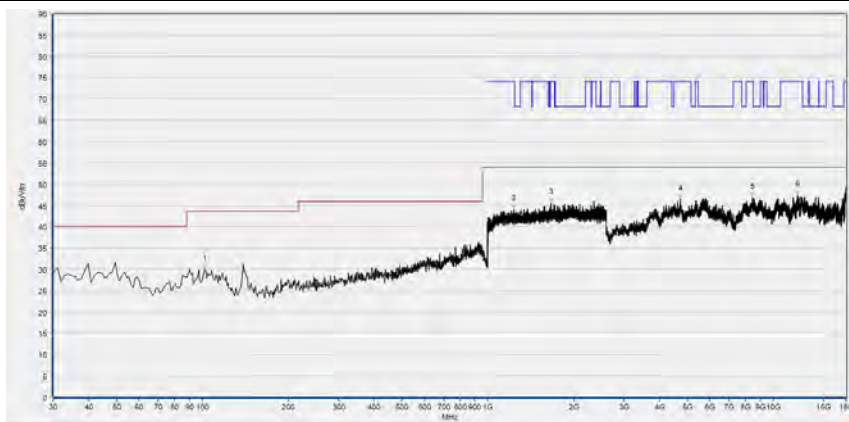
(Antenna Vertical, 30MHz to 18GHz)

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	28.92	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1466.667	45.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2063.467	46.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4734.440	46.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8011.560	46.84	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12582.280	47.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

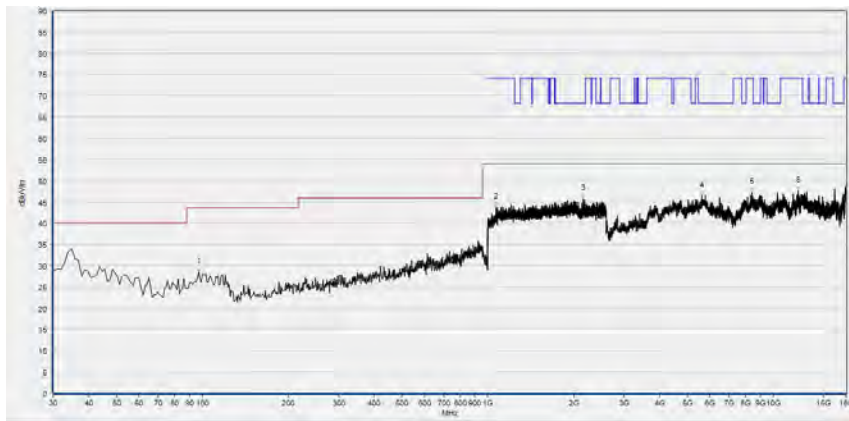
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
101.780	30.06	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1234.667	44.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1664.000	45.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4719.040	46.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8439.680	47.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12141.840	47.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

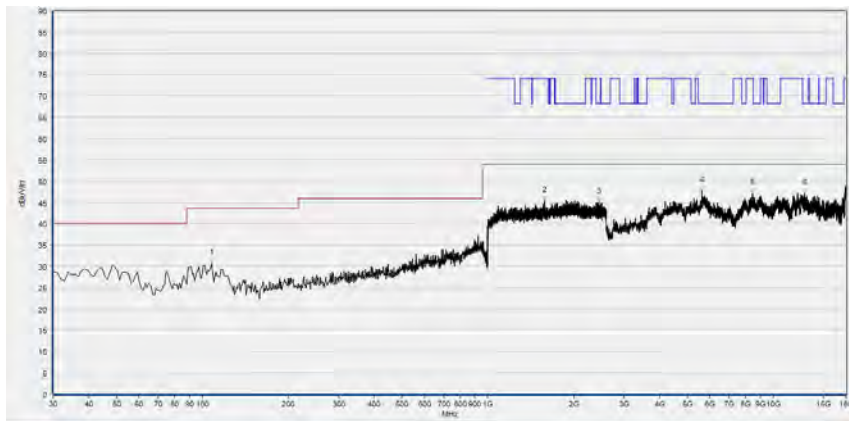
(Antenna Vertical, 30MHz to 18GHz)

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	28.56	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1068.800	43.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2153.067	45.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5615.320	46.45	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8396.560	47.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12212.680	47.63	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

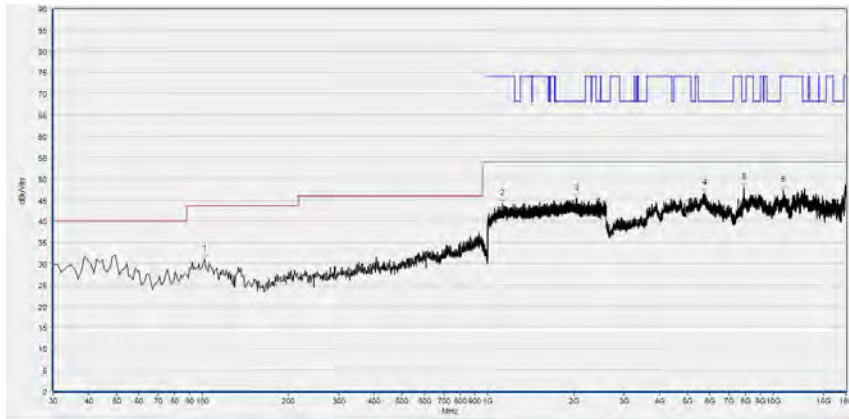
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
107.600	30.67	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1582.400	45.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2451.733	45.05	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5633.800	47.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8452.000	47.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12868.720	47.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

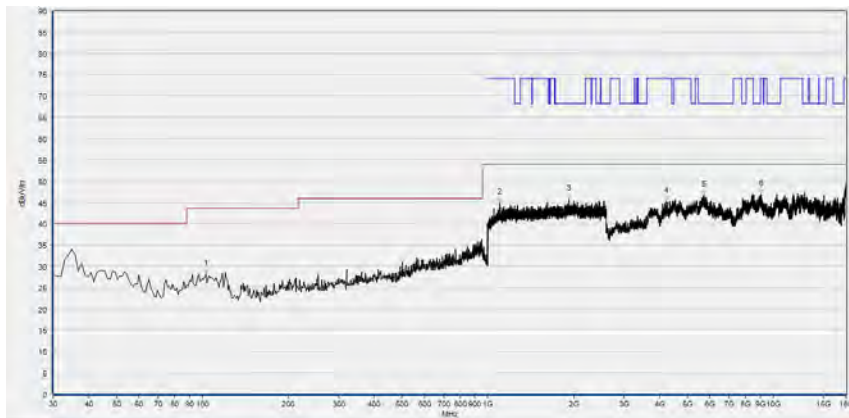
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 149



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
101.780	30.98	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1123.733	44.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2047.467	45.44	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5753.920	46.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7885.280	47.99	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10869.800	47.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

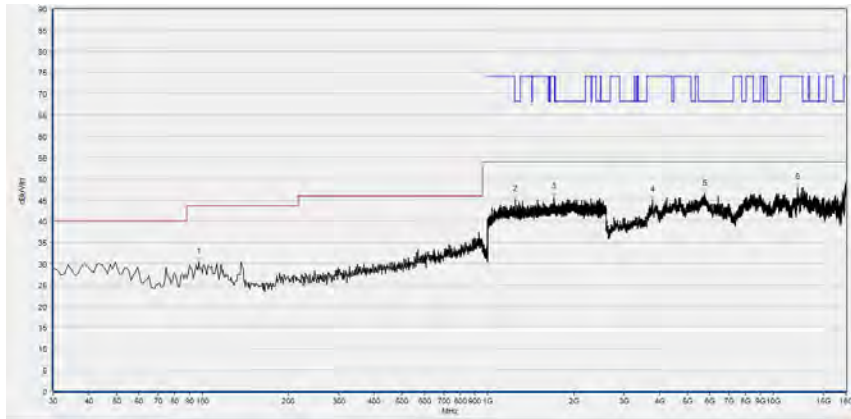
(Antenna Horizontal, 30MHz to 18GHz)



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
102.750	28.15	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1098.133	44.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1920.000	45.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4223.160	45.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5716.960	46.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9083.400	46.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

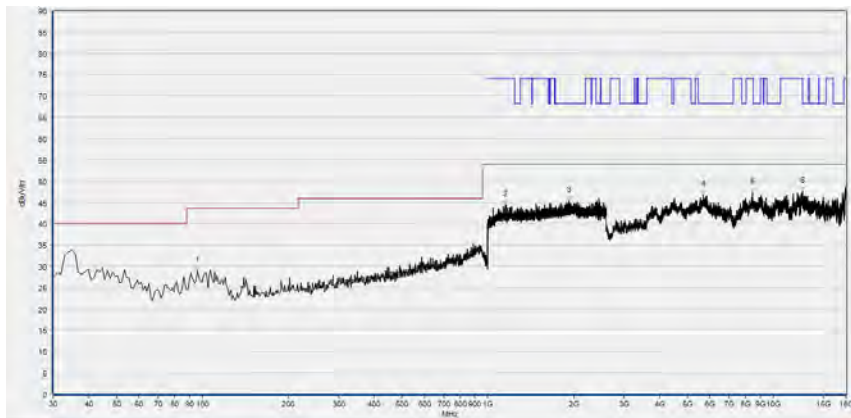
(Antenna Vertical, 30MHz to 18GHz)

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
96.930	30.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1249.600	45.14	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
1706.667	45.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3770.400	44.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5735.440	46.45	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12157.240	47.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

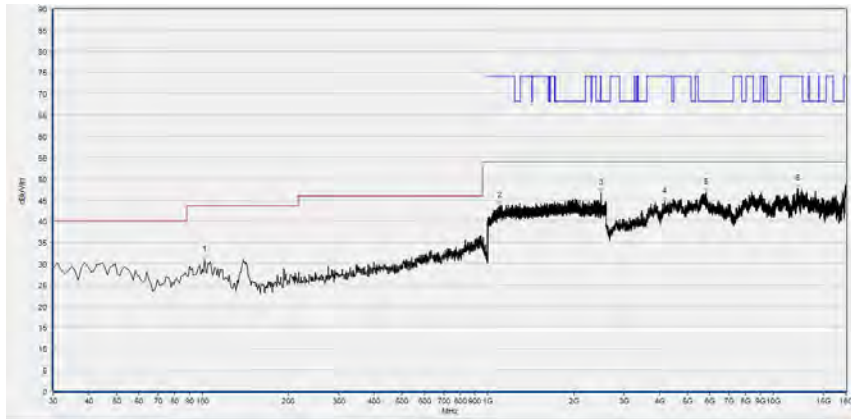
(Antenna Horizontal, 30MHz to 18GHz)



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	28.92	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1152.000	44.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1924.800	45.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5683.080	46.81	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8452.000	47.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12671.600	47.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

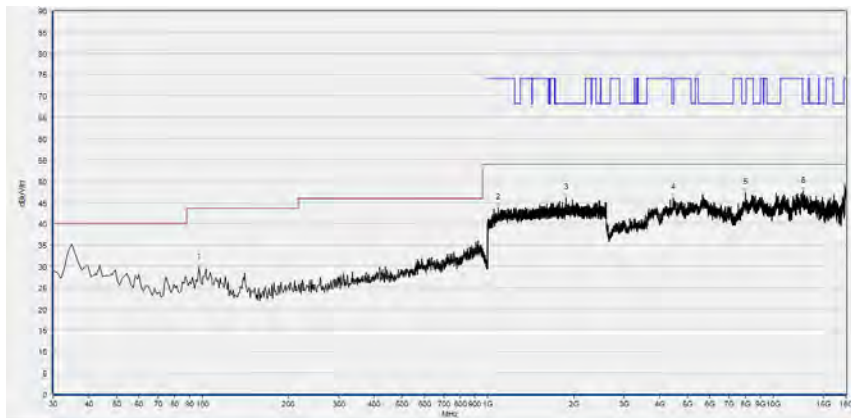
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	30.78	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1099.200	43.60	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2494.400	46.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4164.640	44.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5827.840	46.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12144.920	47.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

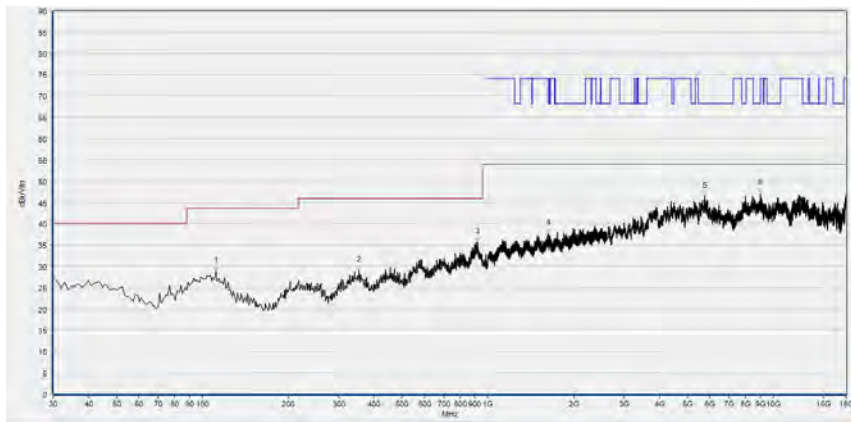


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
96.930	29.69	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1086.400	43.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1881.600	46.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4457.240	46.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8002.320	47.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12751.680	47.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

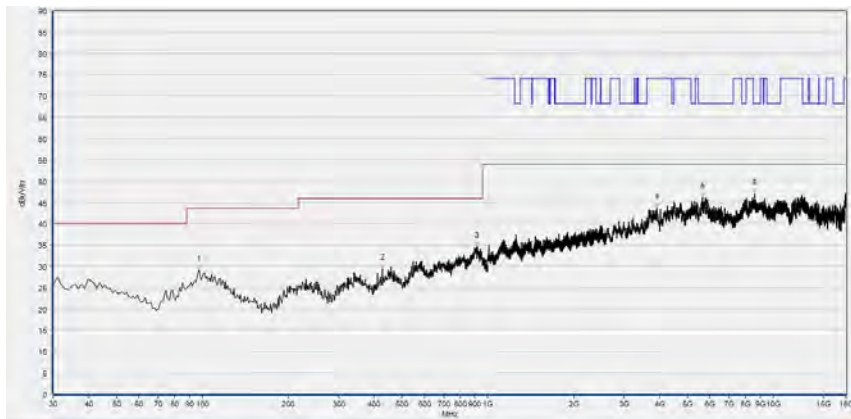
802.11n (HT40) mode

Plot for Channel 38



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
111.562	28.83	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
353.333	28.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
922.322	35.73	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1627.409	37.63	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5757.632	46.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8998.440	47.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

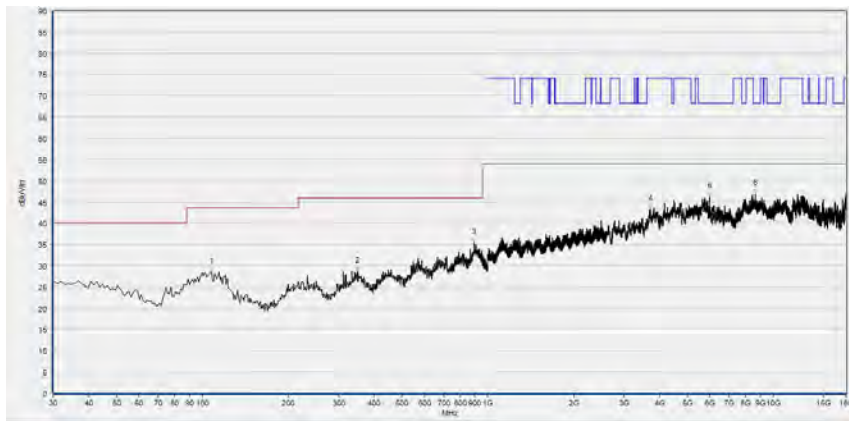
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
96.997	29.19	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
427.127	29.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
916.496	34.70	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
3918.504	43.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5646.729	46.28	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8631.846	47.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

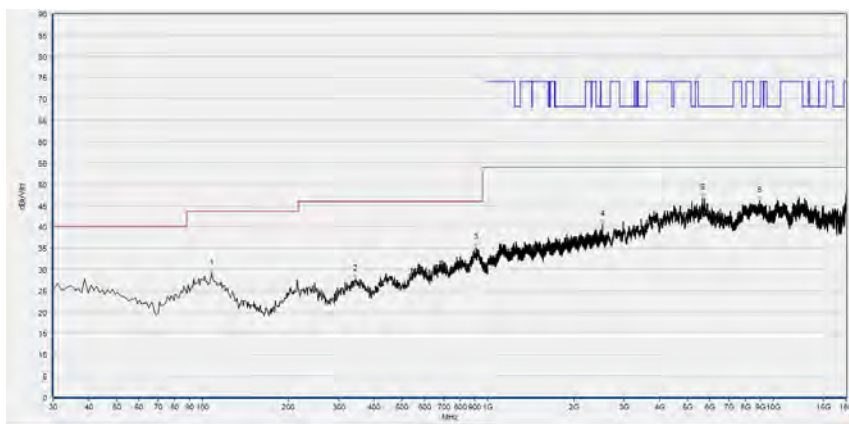
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 46



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	28.47	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
348.478	28.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
896.106	35.44	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
3718.264	43.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5979.436	46.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8634.927	47.00	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

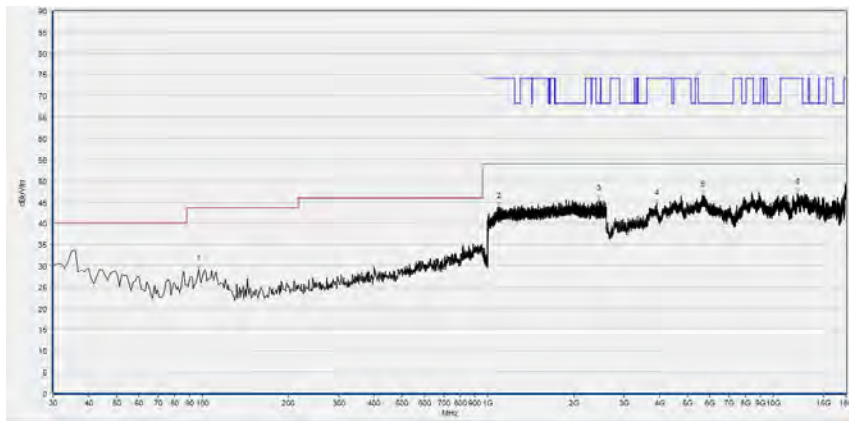
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	28.93	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
342.653	27.58	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
909.700	35.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2527.976	40.64	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5646.729	46.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8986.117	46.15	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

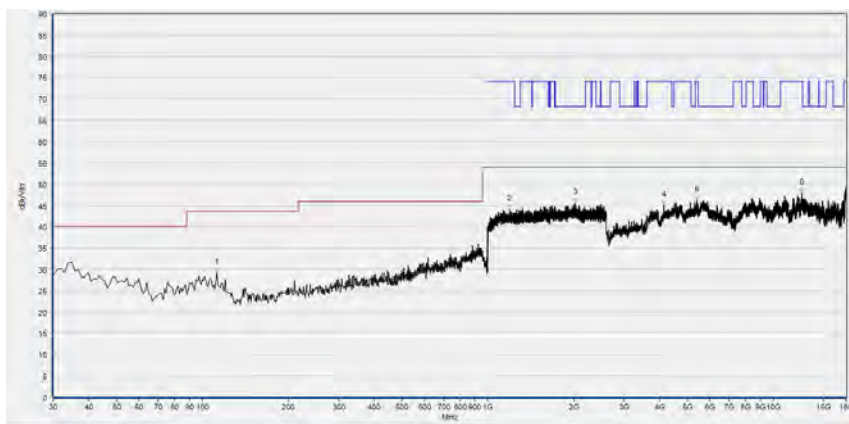
(Antenna Vertical, 30MHz to 18GHz)

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
96.930	29.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1091.200	43.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2451.733	45.63	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3899.760	44.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5664.600	46.64	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12188.040	47.04	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

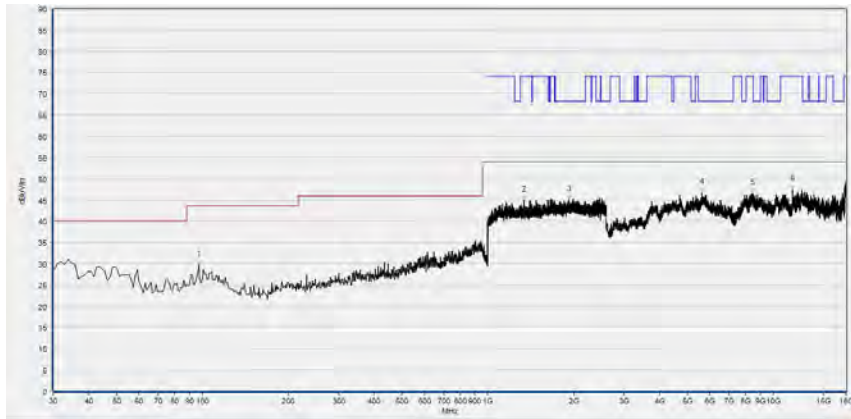
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
112.450	29.21	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1189.867	44.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2029.333	45.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4136.920	45.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5396.640	46.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12579.200	47.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

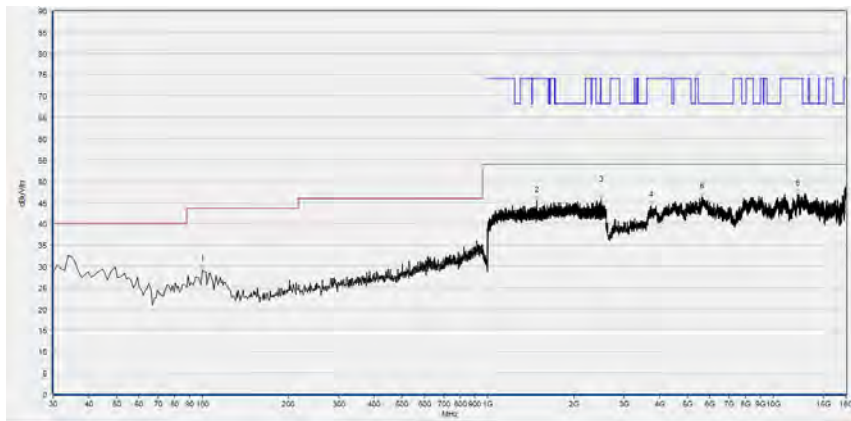
(Antenna Vertical, 30MHz to 18GHz)

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
96.930	29.61	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1336.000	44.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1923.733	45.04	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5612.240	46.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8473.560	46.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11689.080	47.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

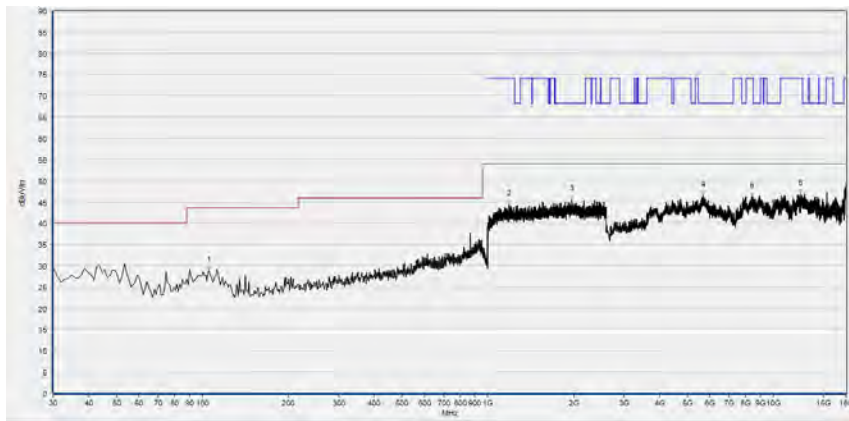
(Antenna Horizontal, 30MHz to 18GHz)



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	29.16	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1486.933	45.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2497.067	45.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3742.680	44.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5633.800	46.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12194.200	46.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

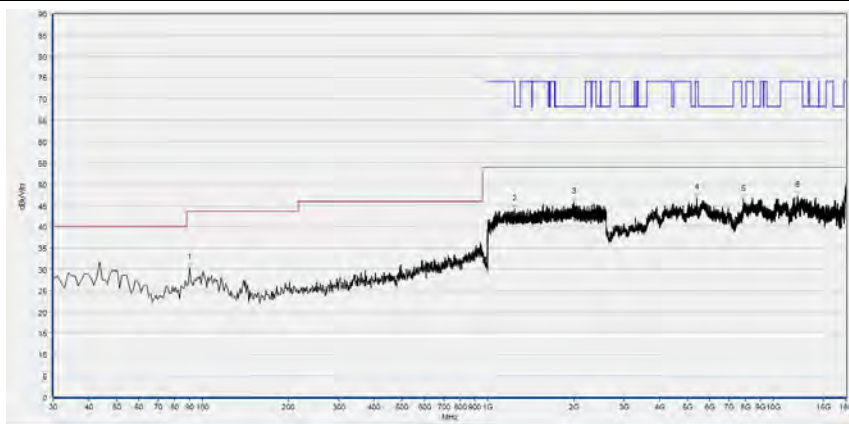
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	28.80	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1186.667	44.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1968.533	45.57	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5689.240	46.65	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8402.720	46.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12480.640	46.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

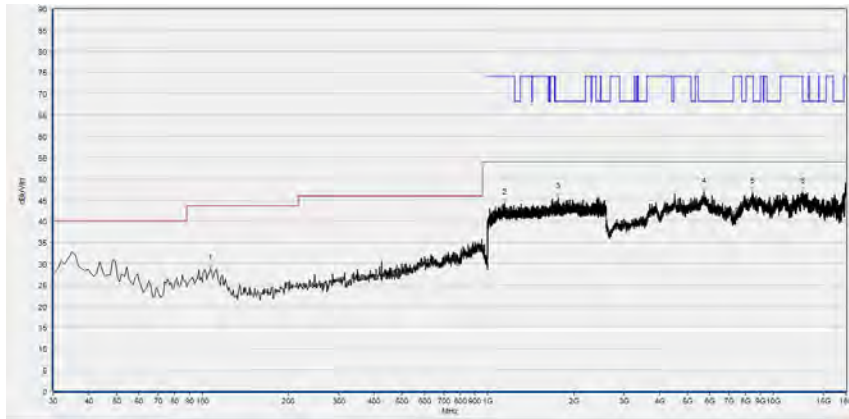
(Antenna Horizontal, 30MHz to 18GHz)



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
90.140	30.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1242.133	44.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
2003.733	45.77	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5387.400	46.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7869.880	46.40	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12188.040	47.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

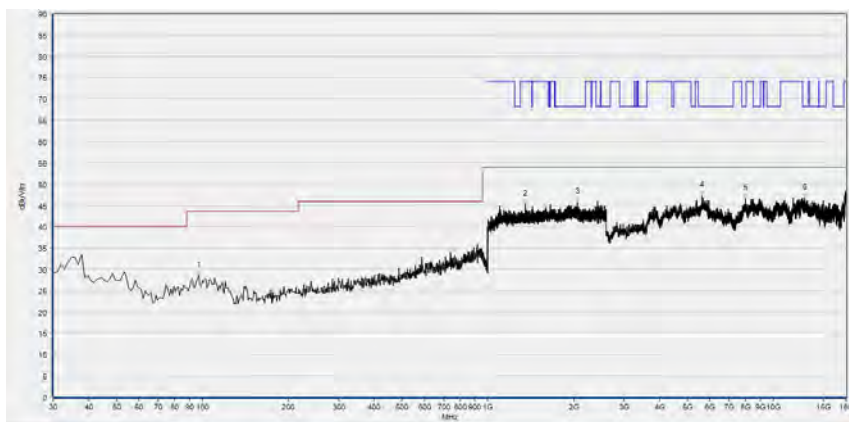
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 126



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	28.76	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1145.067	44.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1768.000	45.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5720.040	46.96	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8455.080	46.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12687.000	46.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

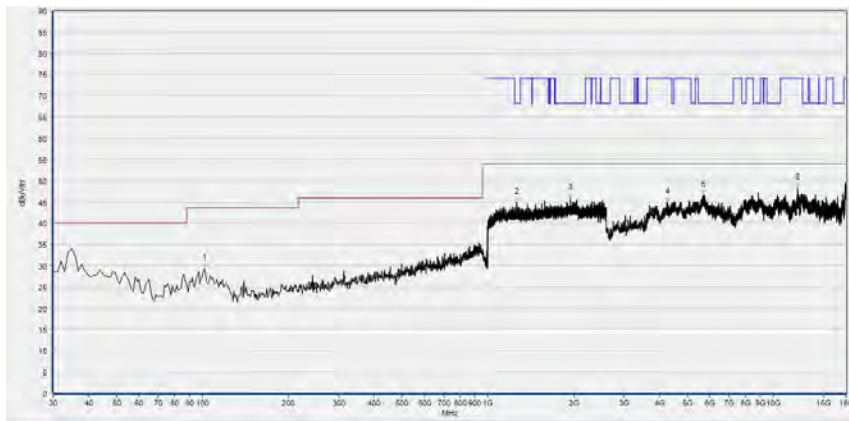
(Antenna Horizontal, 30MHz to 18GHz)



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	28.54	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1356.800	45.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2056.000	45.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5621.480	47.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7993.080	46.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12890.280	46.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

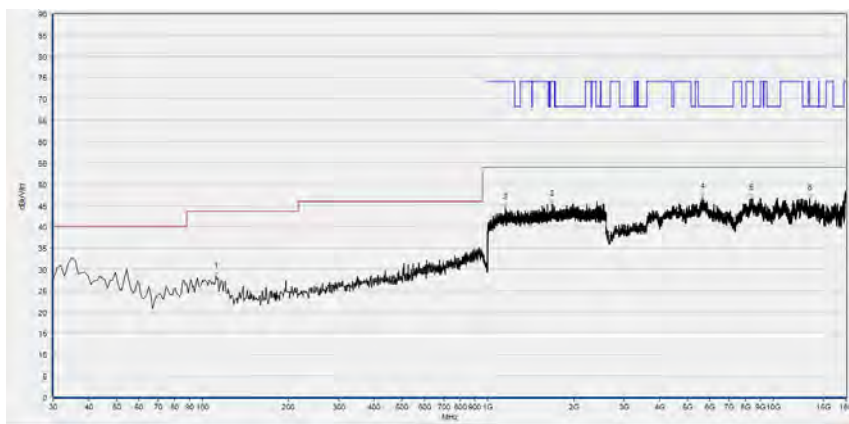
(Antenna Vertical, 30MHz to 18GHz)

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
101.780	29.25	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1259.733	44.94	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
1941.867	45.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4260.120	44.94	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
5686.160	46.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12197.280	48.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

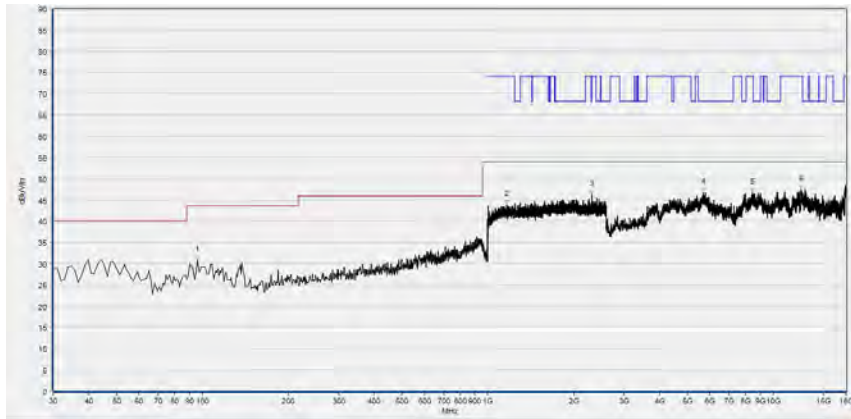
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
111.480	28.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1153.067	44.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1680.000	45.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5655.360	46.97	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8384.240	46.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13444.680	46.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

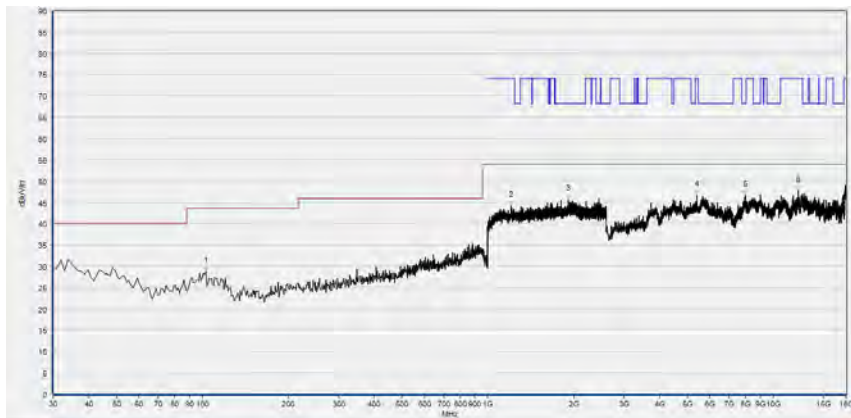
(Antenna Vertical, 30MHz to 18GHz)

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
95.960	30.76	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1163.733	43.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2307.733	46.25	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5689.240	46.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8452.000	46.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12505.280	47.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

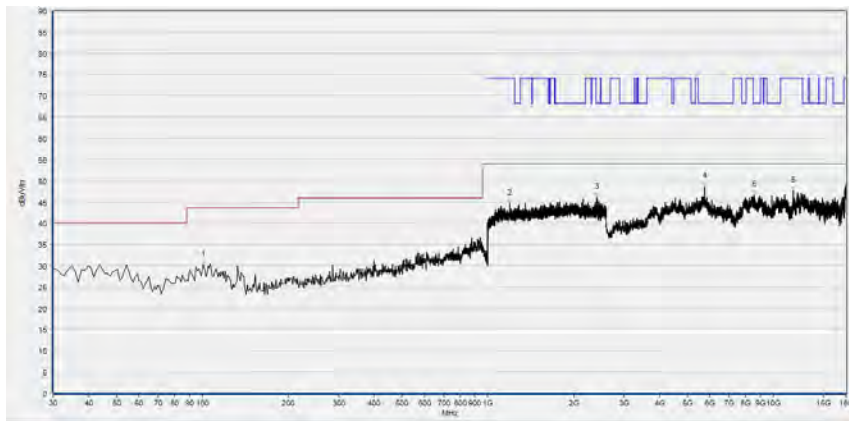
(Antenna Horizontal, 30MHz to 18GHz)



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	28.79	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1204.800	44.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1908.800	45.77	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5399.720	46.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7977.680	46.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12203.440	47.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

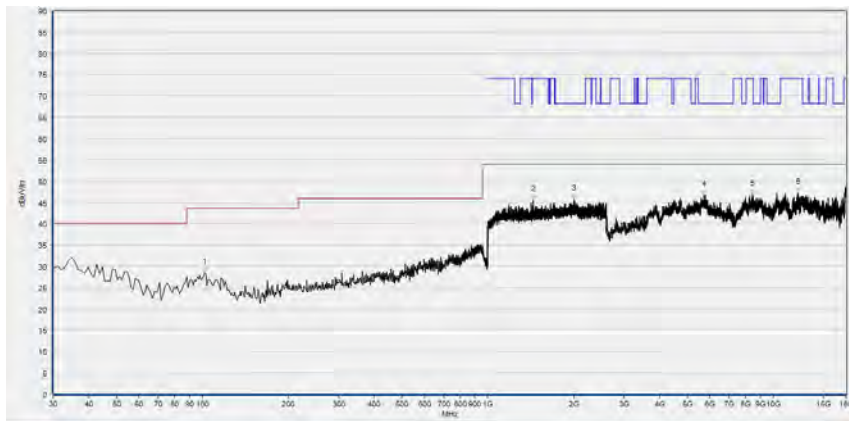
(Antenna Vertical, 30MHz to 18GHz)

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
100.810	30.13	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1195.200	44.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2414.933	46.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5757.000	48.65	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8581.360	46.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11744.520	47.57	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



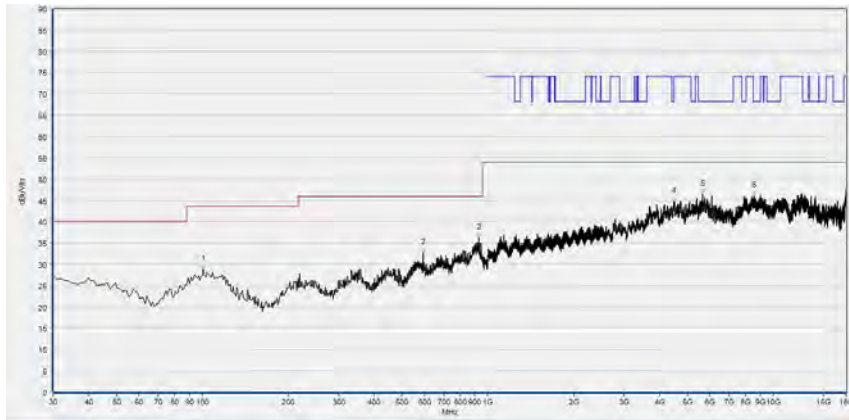
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	28.54	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1444.267	45.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2006.933	45.70	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5704.640	46.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8455.080	46.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12206.520	47.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



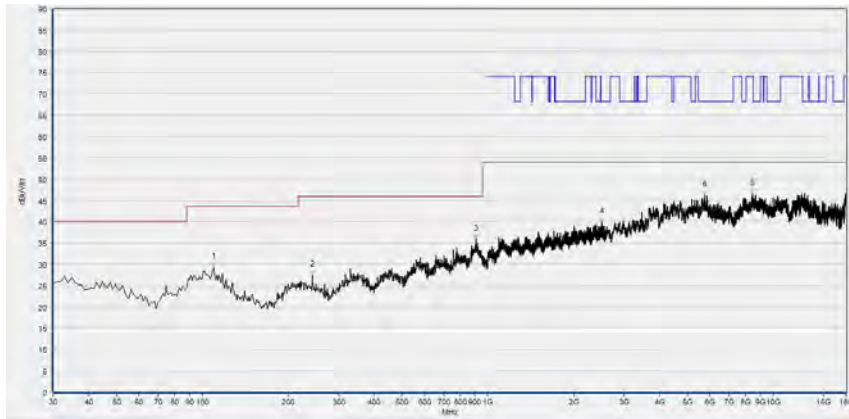
802.11ac (VHT80) Mode

Plot for Channel 42



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
100.881	28.76	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
592.192	32.63	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
928.148	36.13	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4488.418	44.71	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5646.729	46.45	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8560.992	46.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

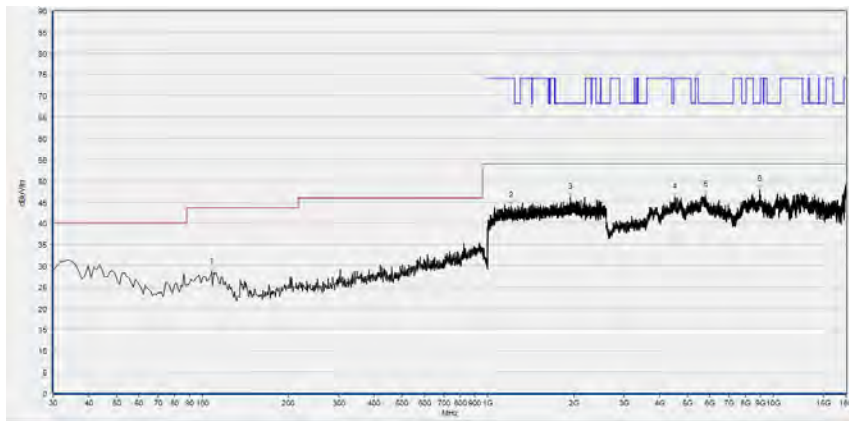
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
109.620	29.35	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
242.643	27.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
909.700	35.79	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2503.968	39.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5760.712	46.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8447.009	46.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

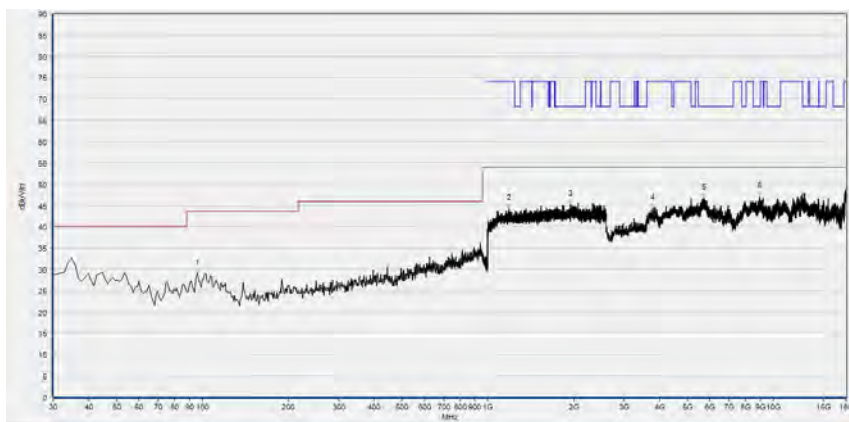
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	28.42	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1205.867	44.15	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1949.333	46.14	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4506.520	46.03	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5781.640	46.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8978.680	47.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

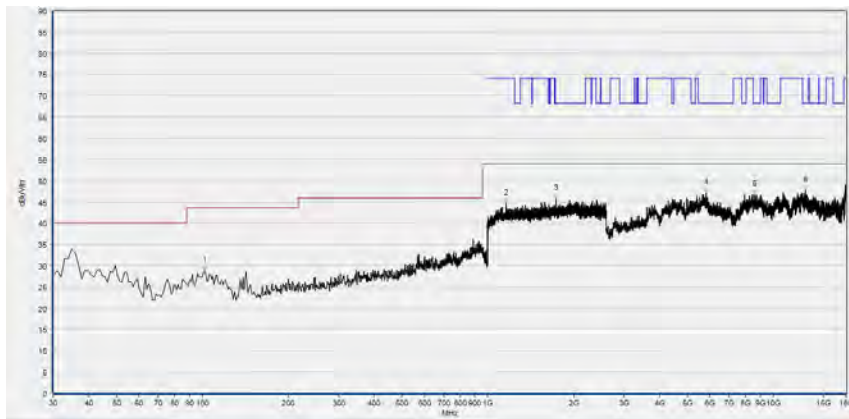
(Antenna Horizontal, 30MHz to 18GHz)



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
95.960	29.00	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1184.533	44.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1945.600	45.31	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3770.400	44.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5726.200	46.80	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8978.680	47.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

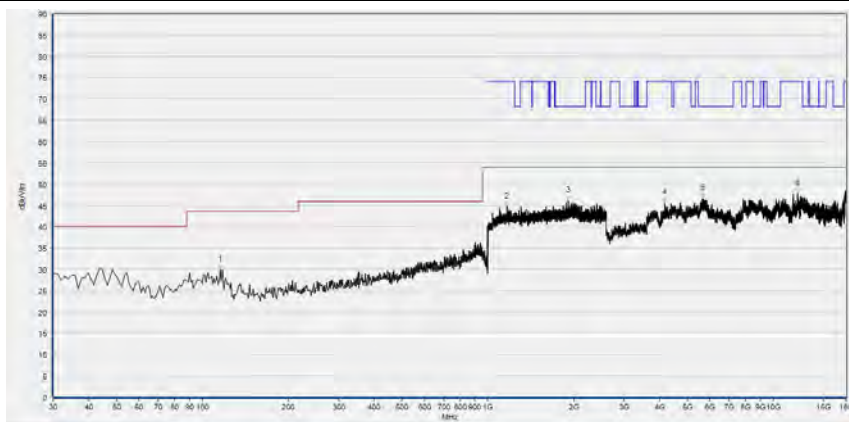
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 106



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
101.780	28.89	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1158.933	44.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1730.133	45.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5818.600	47.06	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8606.000	46.73	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12927.240	47.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

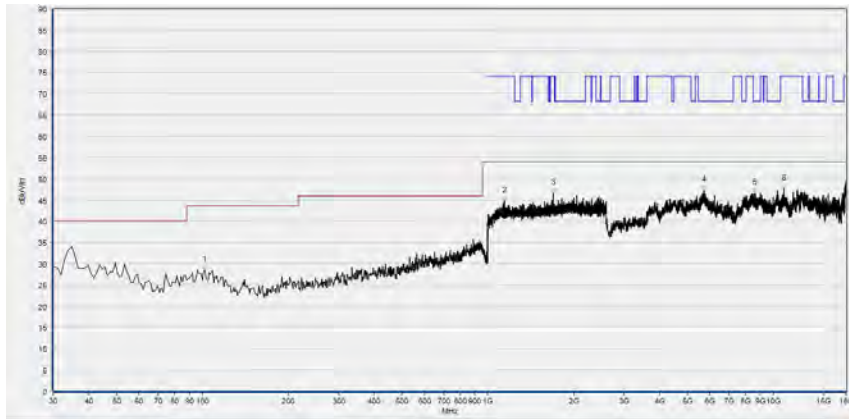
(Antenna Horizontal, 30MHz to 18GHz)



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
115.360	29.88	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1168.533	44.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1908.800	46.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4173.880	45.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5652.280	46.65	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12197.280	47.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

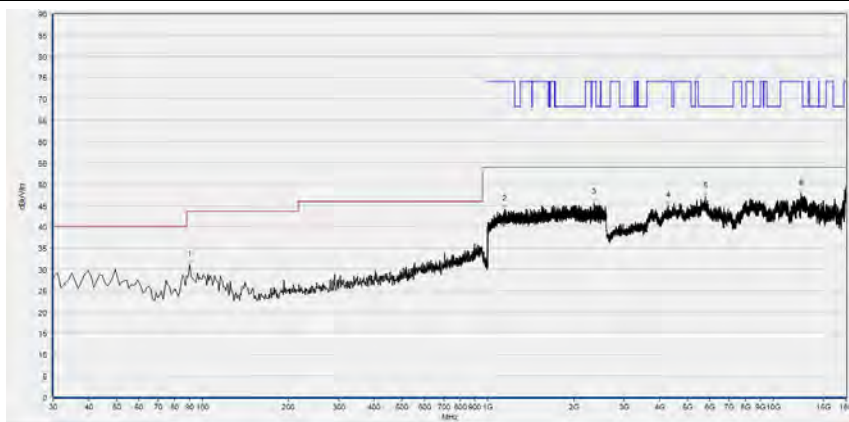
(Antenna Vertical, 30MHz to 18GHz)

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
101.780	28.52	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1142.933	44.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1698.133	46.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5707.720	47.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8612.160	46.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10872.880	47.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

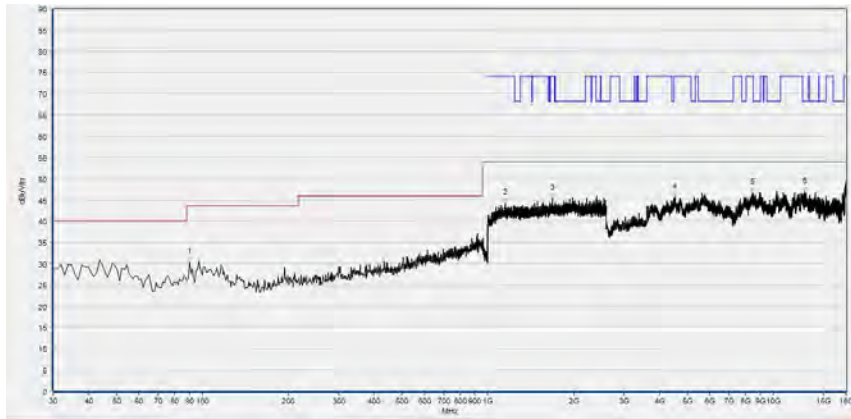
(Antenna Horizontal, 30MHz to 18GHz)



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
90.140	30.98	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1144.000	44.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2350.400	45.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4281.680	44.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5778.560	47.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12517.600	47.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

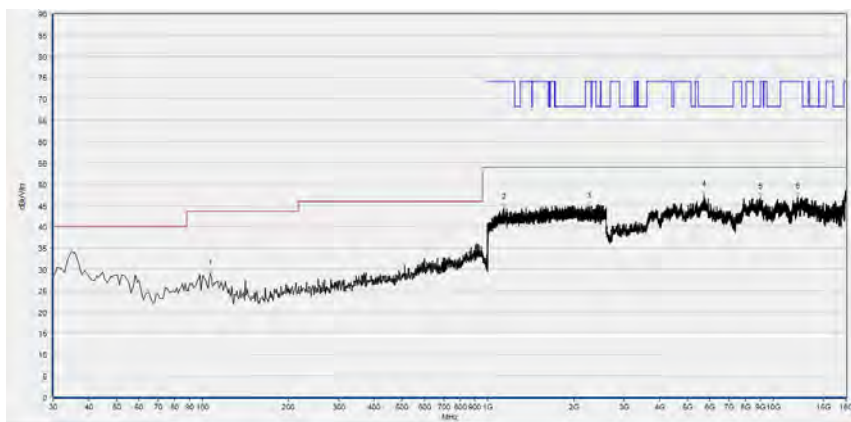
(Antenna Vertical, 30MHz to 18GHz)

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
90.140	30.34	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1153.067	44.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1681.067	45.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4521.920	45.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8464.320	46.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12874.880	46.99	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	29.04	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1140.267	44.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2258.667	44.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5729.280	47.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8991.000	46.88	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12141.840	47.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test Items	Uncertainty
Peak Output Power	$\pm 2.22\text{dB}$
Power Spectral Density	$\pm 2.22\text{dB}$
Bandwidth	$\pm 5\%$
Restricted Frequency Bands	$\pm 5\%$
Radiated Emission	$\pm 2.95\text{dB}$
Conducted Emission	$\pm 2.44\text{dB}$

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.



Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



4. Test Equipments Utilized

4.1 Conducted Test Equipments

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Attenuator 1	N/A	10dB	Resnet	N/A	N/A
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2021.03.25	2022.03.24
USB Wideband Power Sensor	MY54180008	U2021XA	Agilent	2021.03.25	2022.03.24
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial Cable	CB02	RF02	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
Temperature Chamber	12108015	DTL-003S101	YOMA	2020.10.26	2021.10.25

4.2 Conducted Emission Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY56400093	N9038A	KEYSIGHT	2021.03.09	2022.03.08
LISN	812744	NSLK 8127	Schwarzbeck	2021.03.09	2022.03.08
Pulse Limiter (10dB)	VTSD 9561 F-B #206	VTSD 9561-F	Schwarzbeck	2021.07.21	2022.07.20
Coaxial Cable(BNC) (30MHz-26GHz)	CB01	EMC01	Morlab	N/A	N/A

4.3 List of Software Used

Description	Manufacturer	Software Version
Test System	Tonscend	V2.5.77.0418
Morlab EMCR V1.2	Morlab	V1.0
TS+ -[JS32-CE]	Tonscend	V2.5.0.0



4.4 Radiated Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY54130016	N9038A	Agilent	2021.07.16	2022.07.15
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2019.05.24	2022.05.23
Test Antenna - Horn	BBHA9170 #774	BBHA 9170	Schwarzbeck	2019.07.26	2022.07.25
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2019.02.14	2022.02.13
				2022.02.11	2025.02.10
Test Antenna - Horn	01774	BBHA 9120D	Schwarzbeck	2019.07.26	2022.07.25
Coaxial Cable (N male) (9KHz-30MHz)	CB04	EMC04	Morlab	N/A	N/A
Coaxial Cable (N male) (30MHz-26GHz)	CB02	EMC02	Morlab	N/A	N/A
Coaxial Cable (N male) (30MHz-26GHz)	CB03	EMC03	Morlab	N/A	N/A
Coaxial Cable (N male) (30MHz-40GHz)	CB05	EMC05	Morlab	N/A	N/A
1-18GHz pre-Amplifier	61171/61172	S020180L32 03	Tonscend	2021.07.16	2022.07.15
18-26.5GHz pre-Amplifier	46732	S10M100L38 02	Tonscend	2021.07.16	2022.07.15
26-40GHz pre-Amplifier	56774	S40M400L40 02	Tonscend	2021.07.16	2022.07.15
Notch Filter	N/A	WRCG-5150-5350	Wainwright	2021.07.16	2022.07.15
Notch Filter	N/A	WRCG-5470-5725	Wainwright	2021.07.16	2022.07.15
Notch Filter	N/A	WRCG-5725-5850	Wainwright	2021.07.16	2022.07.15



Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Anechoic Chamber	N/A	9m*6m*6m	CRT	2020.01.06	2023.01.05

_____ END OF REPORT _____