(Channel 159, 5795MHz, 802.11n (HT40))

802.11ac (VHT20) Mode

A. Test Verdict:

Channel	Frequency (MHz)	Measured PPSD (dBm/MHz)	Duty Factor	Corrected PPSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
36	5180	6.55	0.15	6.70	11	PASS
44	5220	5.37		5.52		
48	5240	4.85		5.00		
52	5260	4.25		4.40		
60	5300	3.87		4.02		
64	5320	3.71		3.86		
100	5500	2.84		2.99		
120	5600	4.58		4.73		
144	5720	7.91		8.06		
Channel	Frequency (MHz)	Measured PPSD (dBm/500KHz)	Duty Factor	Corrected (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
144	5720	5.16	0.15	5.31	30	PASS
149	5745	5.51		5.66		
157	5785	5.23		5.38		
165	5825	4.52		4.67		

B. Test Plot:

(Channel 36, 5180MHz, 802.11ac (VHT20))

(Channel 44, 5220MHz, 802.11ac (VHT20))

(Channel 48, 5240MHz, 802.11ac (VHT20))

(Channel 52, 5260MHz, 802.11ac (VHT20))

(Channel 60, 5300MHz, 802.11ac (VHT20))

(Channel 64, 5320MHz, 802.11ac (VHT20))

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

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

(Channel 144, 5720MHz, 802.11ac (VHT20))

(Channel 144, 5720MHz, 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 PPSD (dBm/MHz)	Duty Factor	Corrected PPSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
38	5190	1.94	0.60	2.54	11	PASS
46	5230	0.74		1.34		
54	5270	-0.22		0.38		
62	5310	-0.60		0.00		
102	5510	-1.33		-0.73		
126	5630	1.45		2.05		
142	5710	3.54		4.14		
Channel	Frequency (MHz)	Measured PPSD (dBm/500KHz)	Duty Factor	Corrected (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
142	5710	0.57	0.60	1.17	30	PASS
151	5755	0.95		1.55		
155	5795	0.46		1.06		

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 142, 5710MHz, 802.11ac (VHT40))

(Channel 142, 5710MHz, 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 PPSD (dBm/MHz)	Duty Factor	Corrected PPSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
42	5210	-2.03	0.57	-1.46	11	PASS
58	5290	-3.84		-3.27		
106	5530	-4.38		-3.81		
122	5610	-2.83		-2.26		
138	5690	-0.32		0.25		
Channel	Frequency (MHz)	Measured PPSD (dBm/500KHz)	Duty Factor	Corrected (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
138	5690	-3.09	0.57	-2.52	30	PASS
155	5775	-2.48		-1.91		

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°Cto 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%	3.80	+20(Ref)	23	4.440
100%		-30	29	5.598
100%		-20	24	4.633
100%		-10	26	5.019
100%		0	25	4.826
100%		+10	21	4.054
100%		+20	23	4.440
100%		+30	26	5.019
100%		+40	26	5.019
100%		+50	23	4.440
115%	4.35	+20	28	5.405
85%	3.50	+20	27	5.212

U-NII-2A (Ch. 52) 5260MHz				
VOLTAGE (%)	POWER (VDC)	TEMP (°C)	Fre. Dev. (kHz)	Deviation (ppm)
100%	3.80	+20(Ref)	19	3.612
100%		-30	24	4.563
100%		-20	25	4.753
100%		-10	24	4.563
100%		0	19	3.612
100%		+10	17	3.232
100%		+20	21	3.992
100%		+30	26	4.943
100%		+40	30	5.703
100%		+50	25	4.753
115%	4.35	+20	19	3.612
85%	3.50	+20	21	3.992

U-NII-2C (Ch. 100) 5500MHz				
VOLTAGE (%)	POWER (VDC)	TEMP (°C)	Fre. Dev. (kHz)	Deviation (ppm)
100%	3.80	+20(Ref)	21	3.818
100%		-30	25	4.545
100%		-20	30	5.455
100%		-10	29	5.273
100%		0	22	4.000
100%		+10	19	3.455
100%		+20	23	4.182
100%		+30	32	5.818
100%		+40	35	6.364
100%		+50	25	4.545
115%	4.35	+20	27	4.909
85%	3.50	+20	30	5.455

U-NII-3 (Ch. 149) 5745MHz				
VOLTAGE (%)	POWER (VDC)	TEMP (°C)	Fre. Dev. (kHz)	Deviation (ppm)
100%	3.80	+20(Ref)	22	3.829
100%		-30	26	4.526
100%		-20	28	4.874
100%		-10	21	3.655
100%		0	24	4.178
100%		+10	25	4.352
100%		+20	26	4.526
100%		+30	26	4.526
100%		+40	28	4.874
100%		+50	19	3.307
115%	4.35	+20	31	5.396
85%	3.50	+20	29	5.048

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

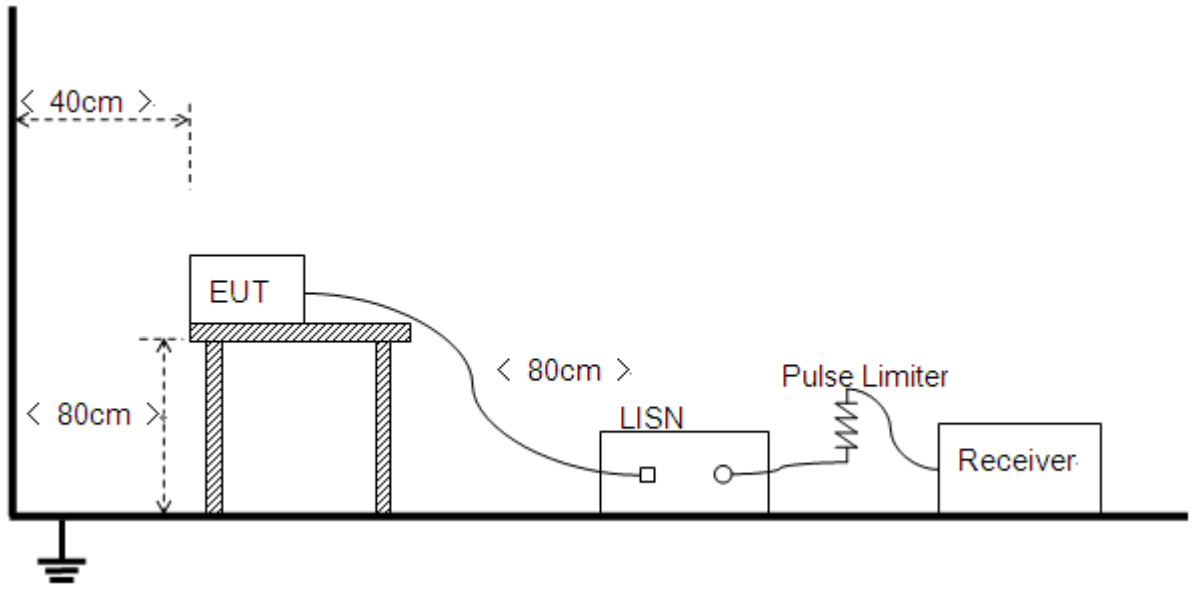
Note:

(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/50Hzwere 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

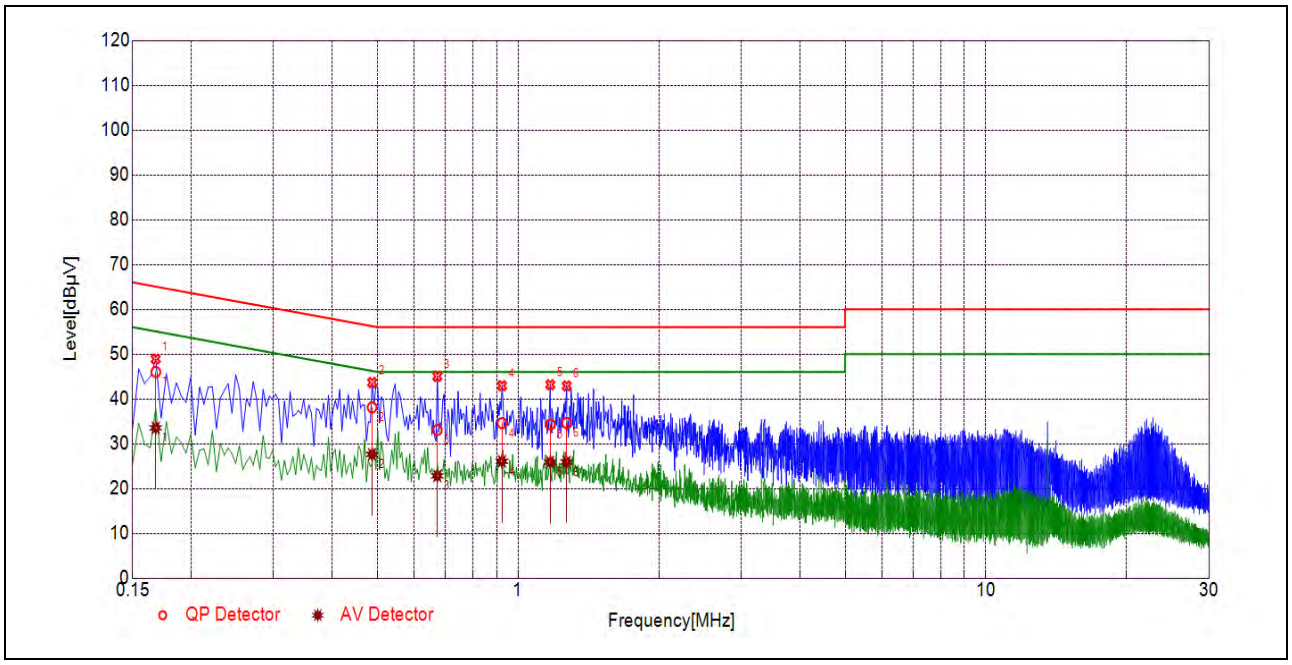
The measurement results are obtained as below:

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

U_R: Receiver Reading

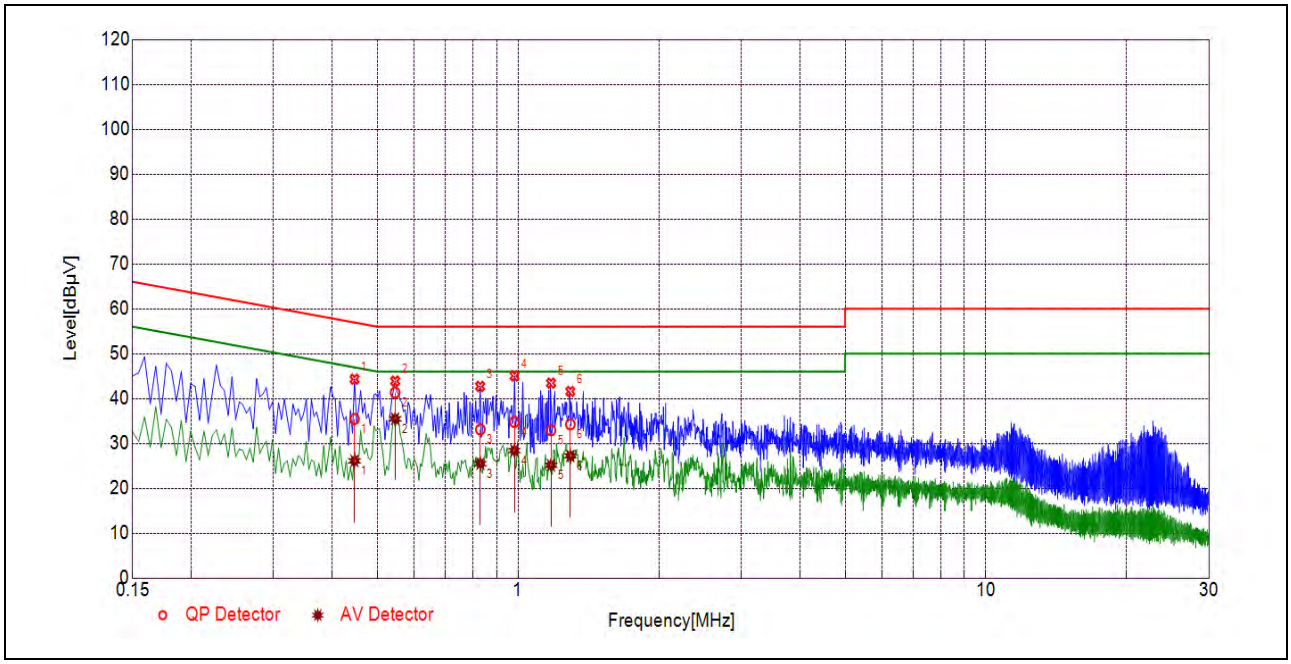
A_{Factor}: Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1680	46.01	33.51	65.06	55.06	Line	PASS
2	0.4872	38.11	27.62	56.22	46.22		PASS
3	0.6717	33.04	22.81	56.00	46.00		PASS
4	0.9235	34.59	26.08	56.00	46.00		PASS
5	1.1712	34.27	25.87	56.00	46.00		PASS
6	1.2693	34.63	25.93	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	0.4469	35.44	26.09	56.93	46.93	Neutral	PASS
2	0.5458	41.32	35.48	56.00	46.00		PASS
3	0.8303	33.11	25.47	56.00	46.00		PASS
4	0.9819	34.79	28.39	56.00	46.00		PASS
5	1.1753	32.93	25.13	56.00	46.00		PASS
6	1.2928	34.24	27.21	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);

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

where P is the EIRP in Watts

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

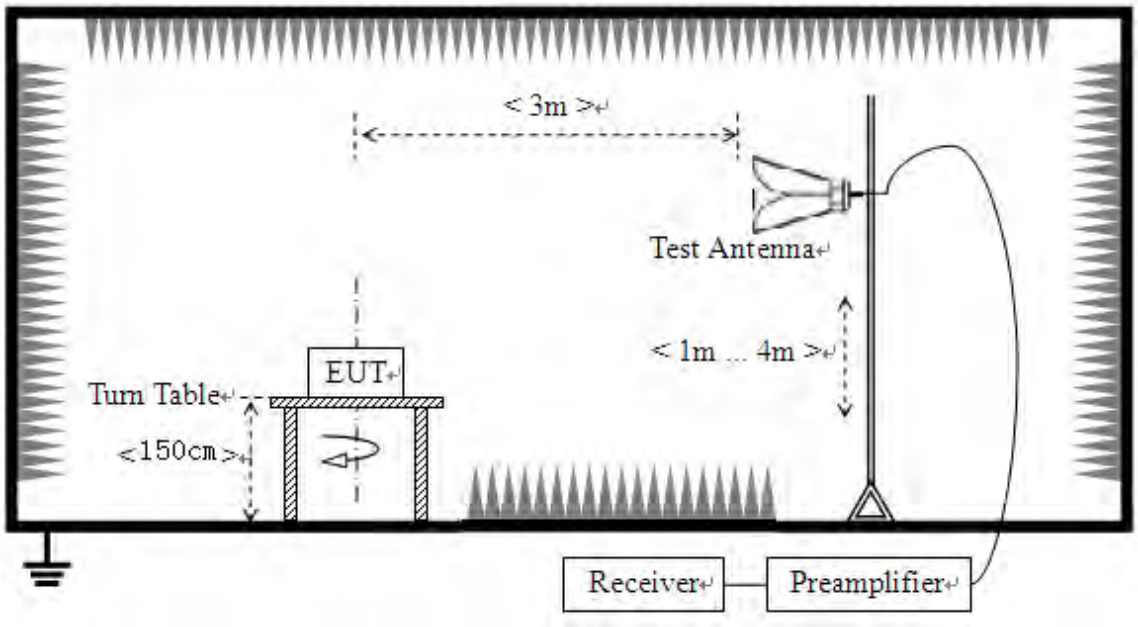
Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following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

2.8.2. 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

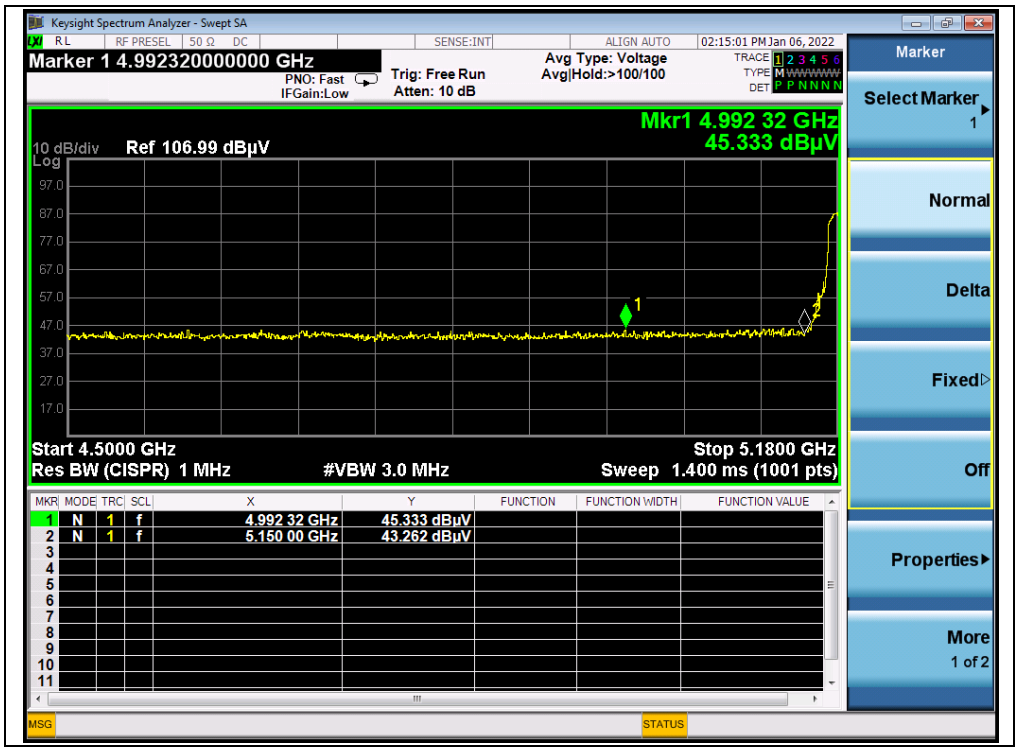
The lowest and highest channels are tested to verify Restricted Frequency Bands.
The measurement results are obtained as below:
E [dBμV/m] =U_R + A_T + A_{Factor} [dB]; A_T =$L_{Cable\ loss}$ [dB]-G_{preamp} [dB]
A_T: Total correction Factor except Antenna; U_R: Receiver Reading
G_{preamp}: Preamplifier 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

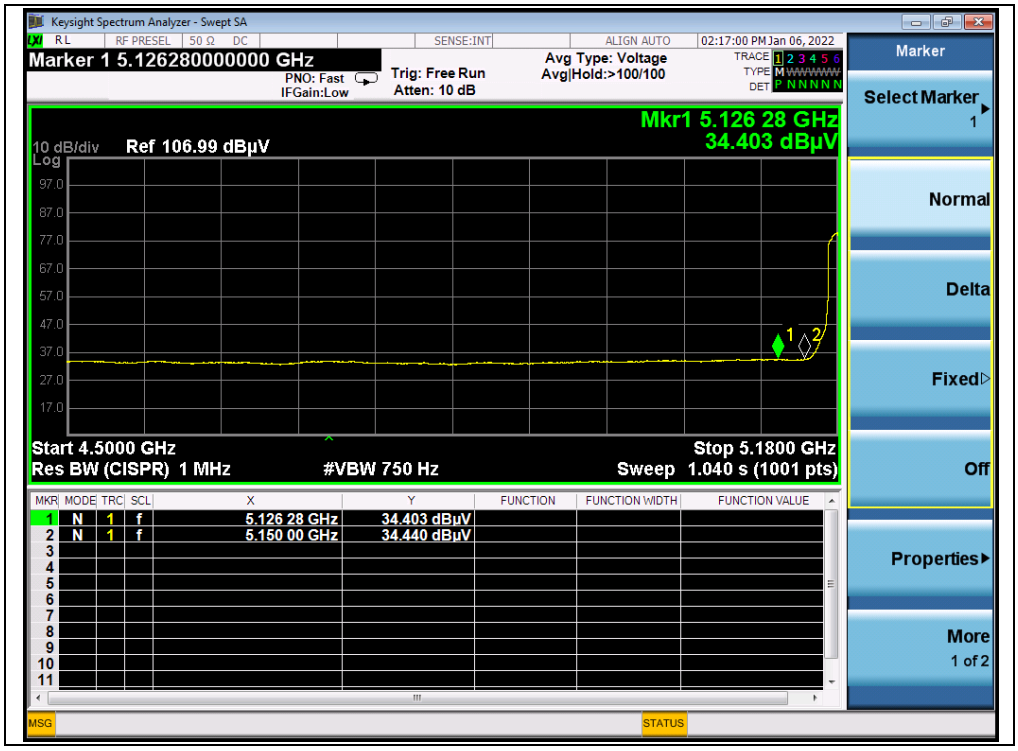
A.Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
36	4992.32	PK	45.33	-19.54	32.20	57.99	74	PASS
36	5250.00	AV	34.44	-19.54	32.20	47.10	54	PASS
64	5371.52	PK	42.32	-18.80	32.20	55.72	74	PASS
64	5350.00	AV	32.88	-18.80	32.20	46.28	54	PASS
100	5420.75	PK	44.11	-19.20	32.20	57.11	74	PASS
100	5470.00	AV	33.99	-19.20	32.20	46.99	54	PASS
144	5788.40	PK	48.54	-19.20	32.20	61.54	68.23	PASS
149	5725.00	PK	50.91	-19.01	32.20	64.10	122.23	PASS
165	5850.00	PK	41.60	-19.01	32.20	54.79	122.23	PASS

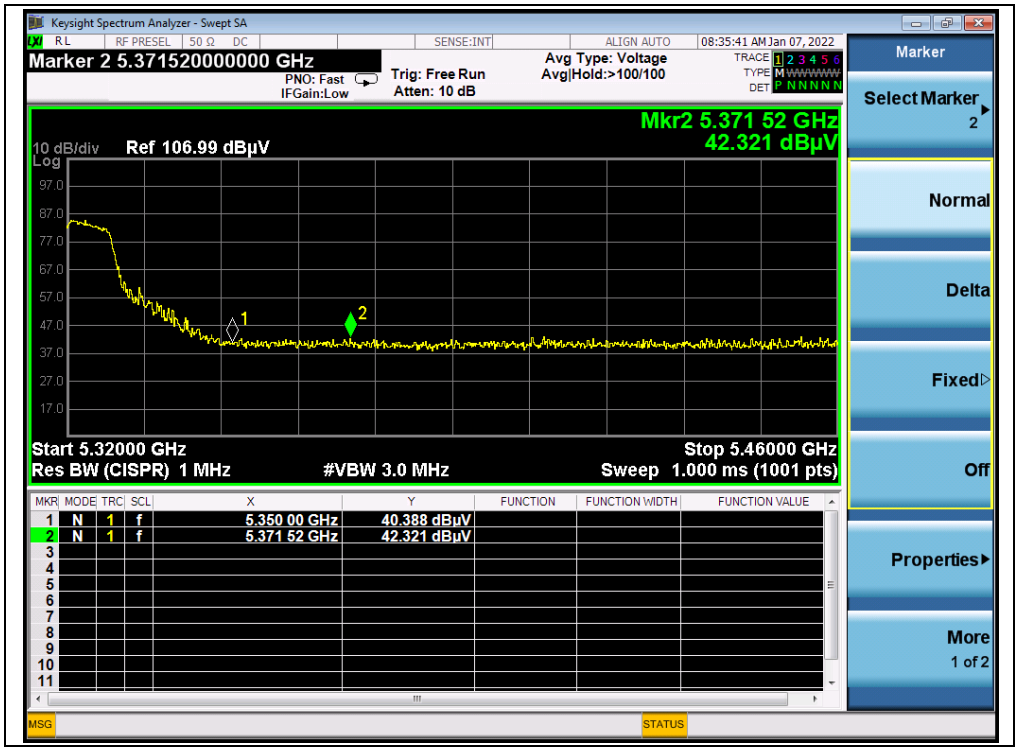
B.Test Plot:



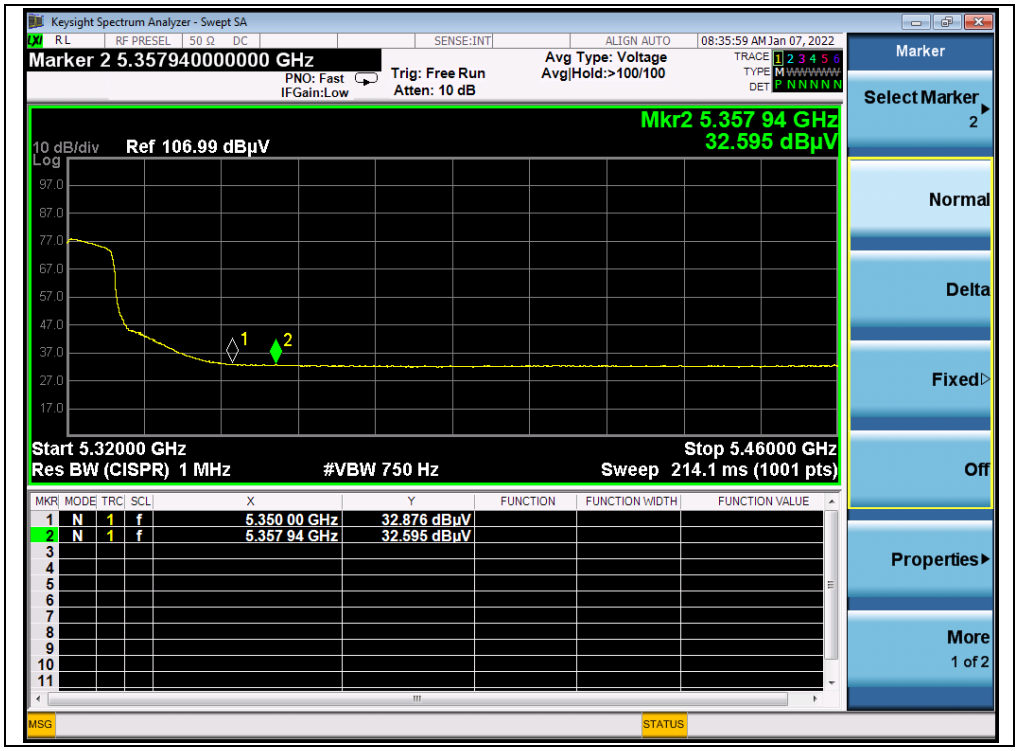
(PEAK, Channel 36, 802.11a)



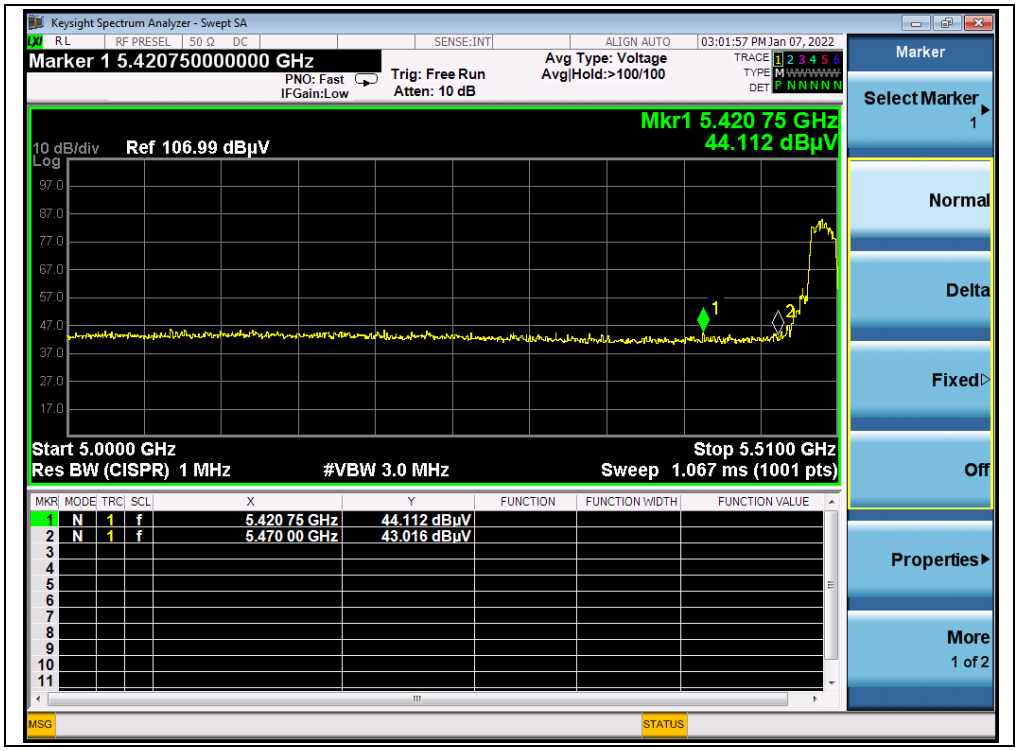
(AVERAGE, Channel 36, 802.11a)



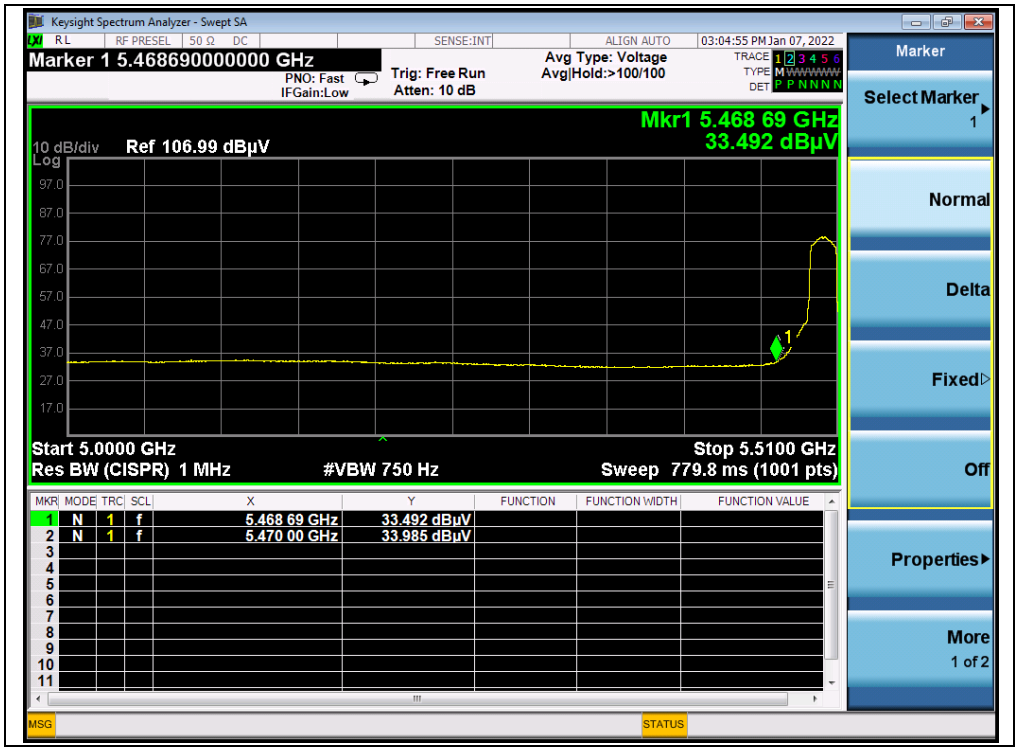
(PEAK, Channel 64, 802.11a)



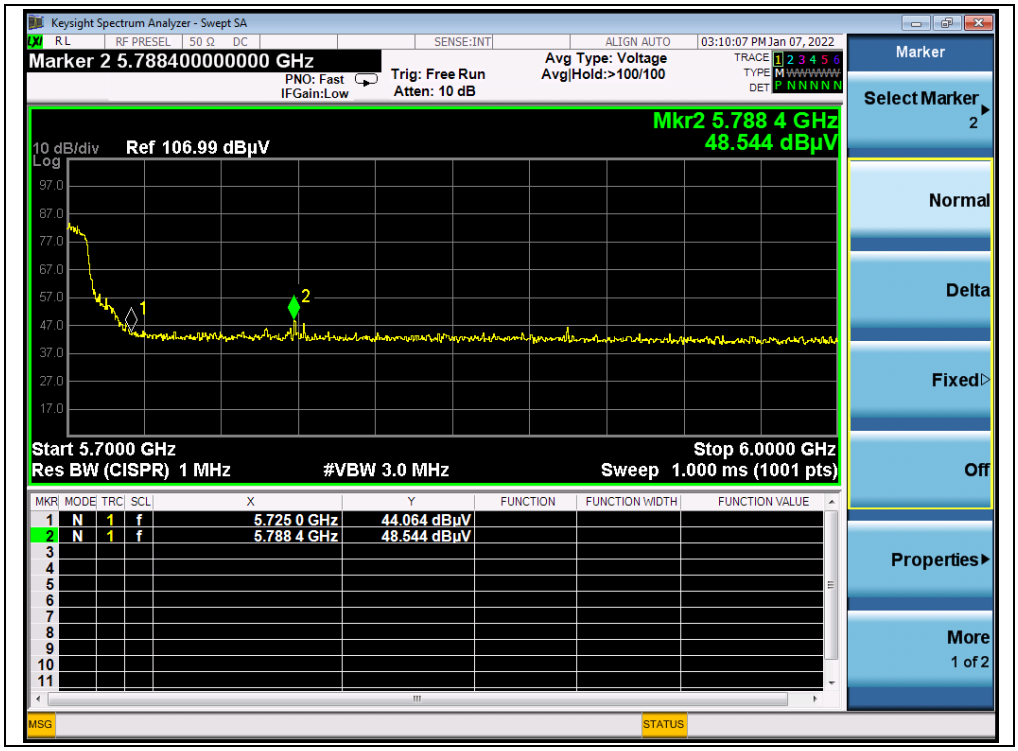
(AVERAGE, Channel 64, 802.11a)



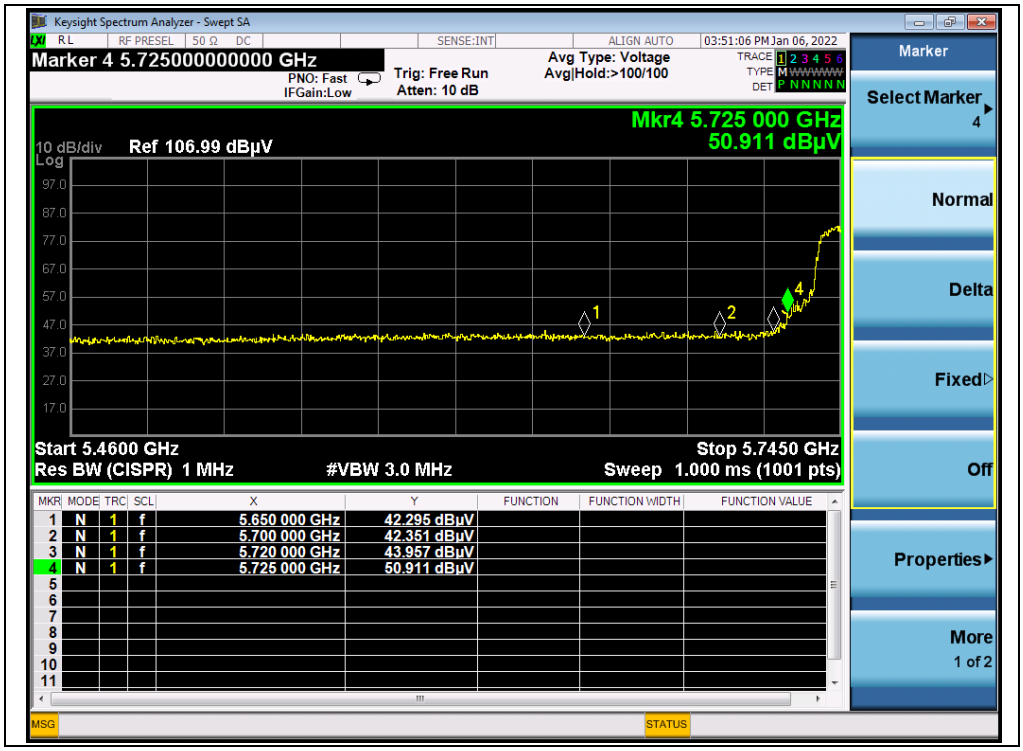
(PEAK, Channel 100, 802.11a)



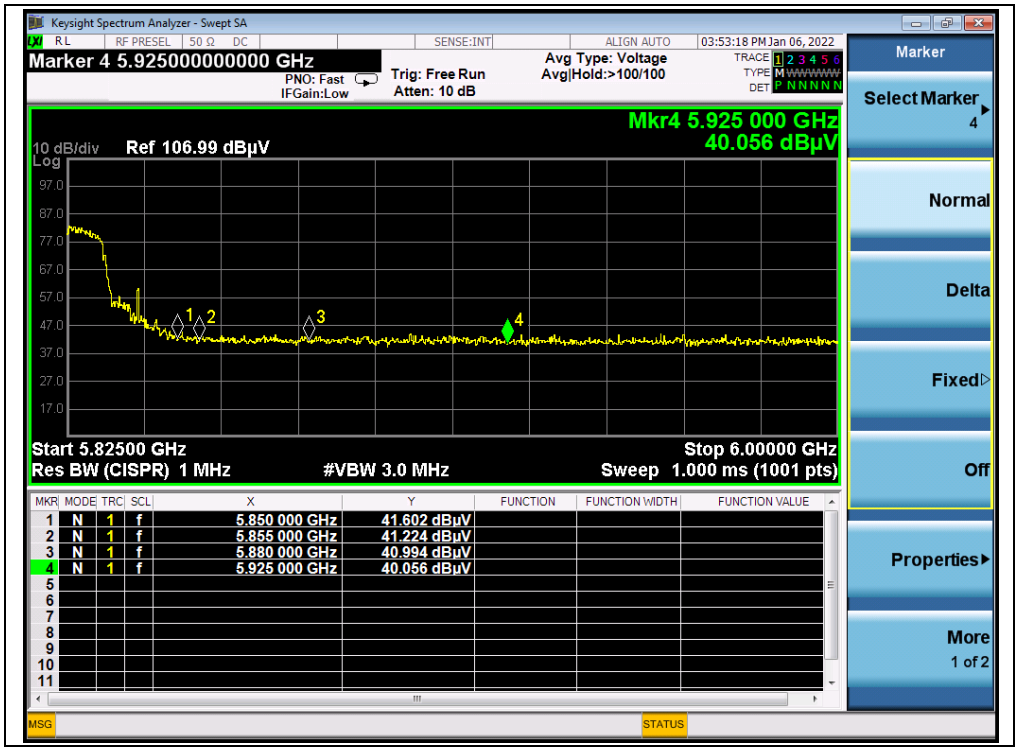
(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)



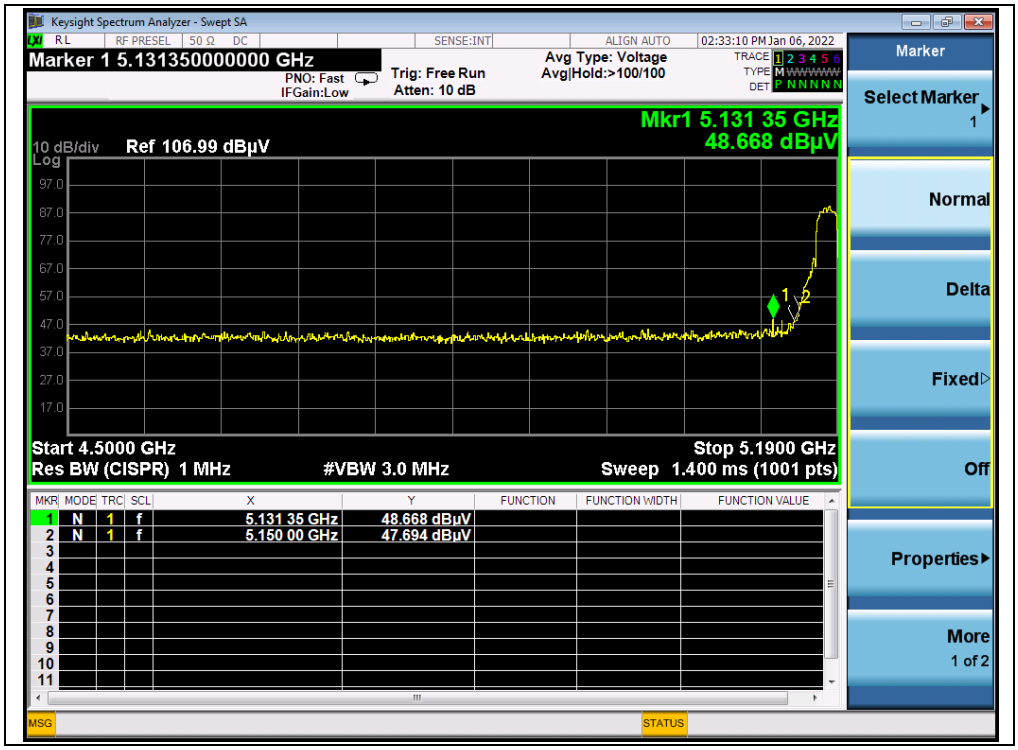
(PEAK, Channel 165, 802.11a)

802.11n (HT40) Mode

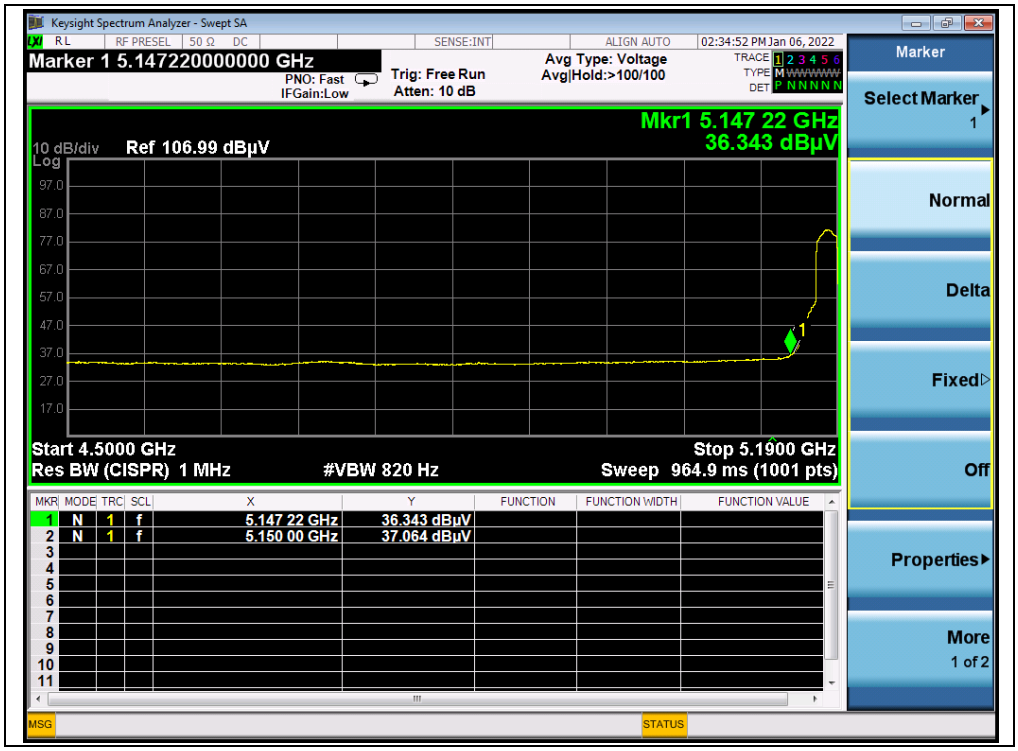
A.Test Verdict:

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	5131.35	PK	48.67	-19.54	32.20	61.33	74	PASS
38	5150.00	AV	37.06	-19.54	32.20	49.72	54	PASS
62	5370.22	PK	42.44	-18.80	32.20	55.84	74	PASS
62	5350.00	AV	32.47	-18.80	32.20	45.87	54	PASS
102	5470.00	PK	49.45	-19.20	32.20	62.45	68.23	PASS
102	5470.00	AV	38.40	-19.20	32.20	51.40	54	PASS
142	5725.00	PK	47.30	-19.20	32.20	60.30	68.23	PASS
151	5725.00	PK	53.65	-19.01	32.20	66.84	122.23	PASS
159	5850.00	PK	42.55	-19.01	32.20	55.74	122.23	PASS

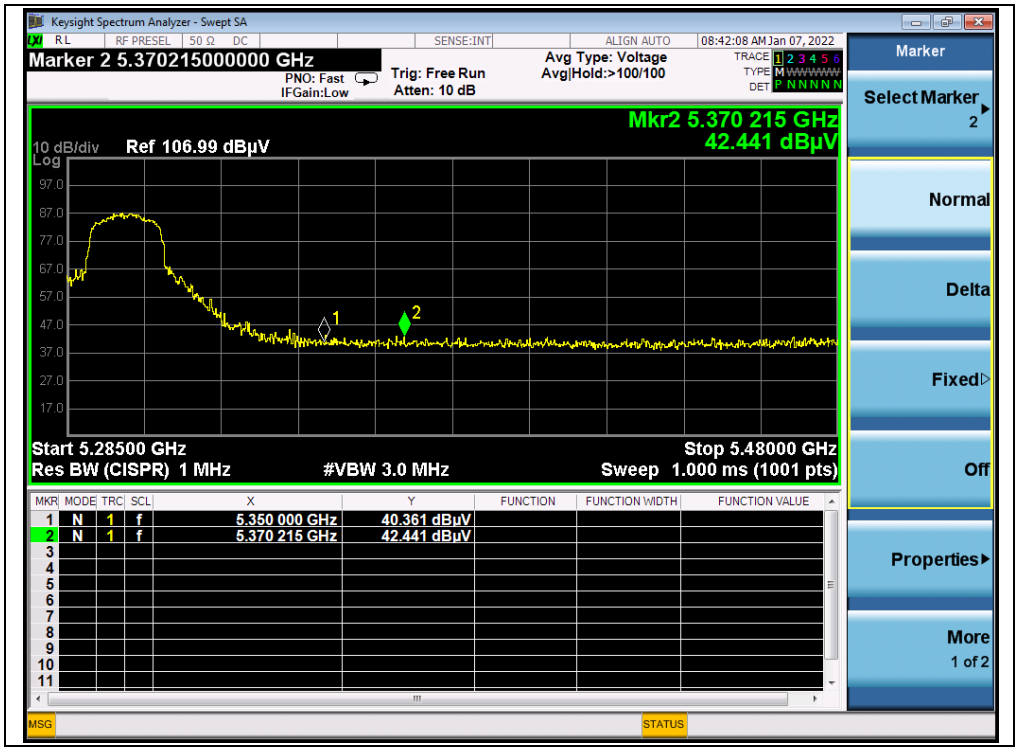
B.Test Plot:



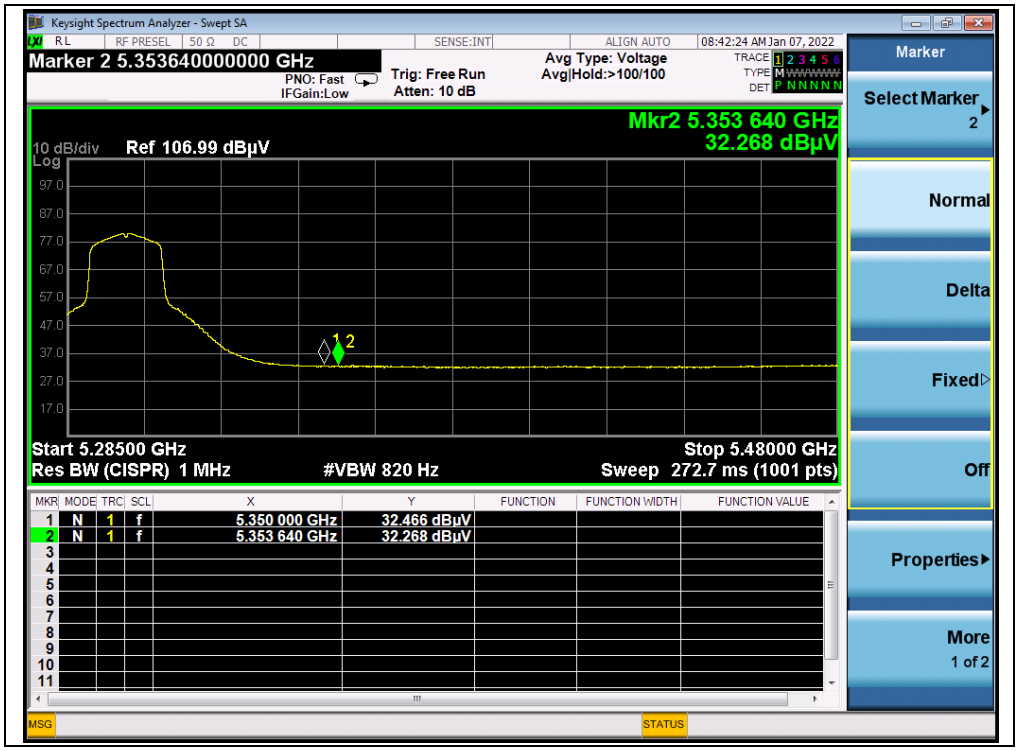
(PEAK, Channel 38, 802.11n (HT40))



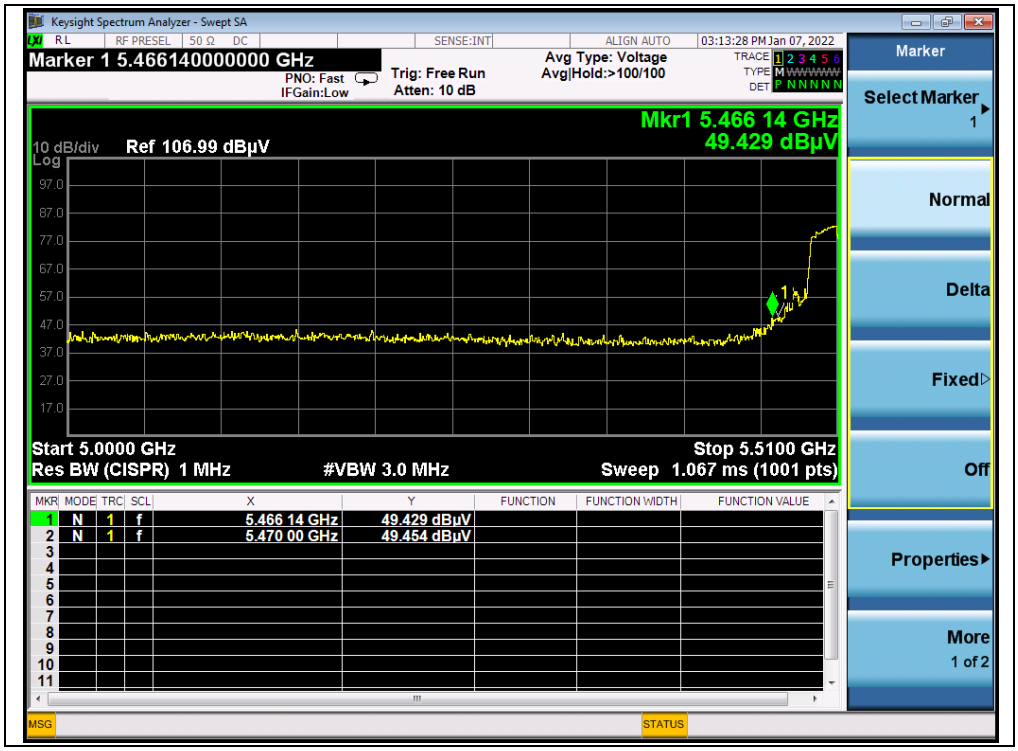
(AVERAGE, Channel 38, 802.11n (HT40))



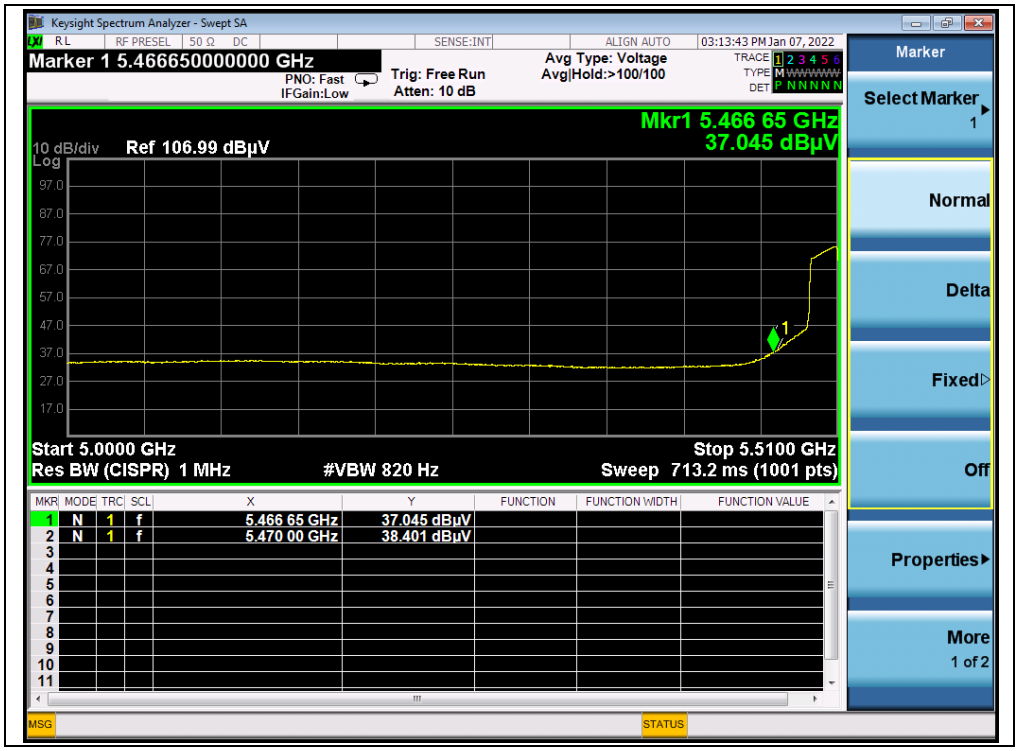
(PEAK, Channel 62, 802.11n (HT40))



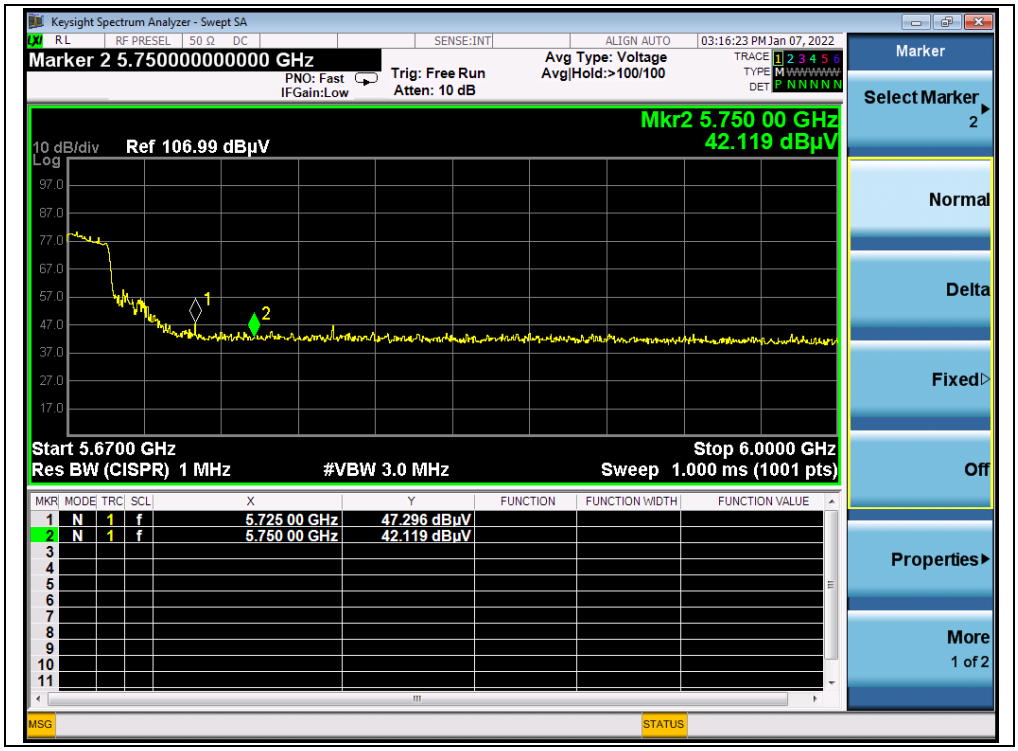
(AVERAGE, Channel 62, 802.11n (HT40))



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

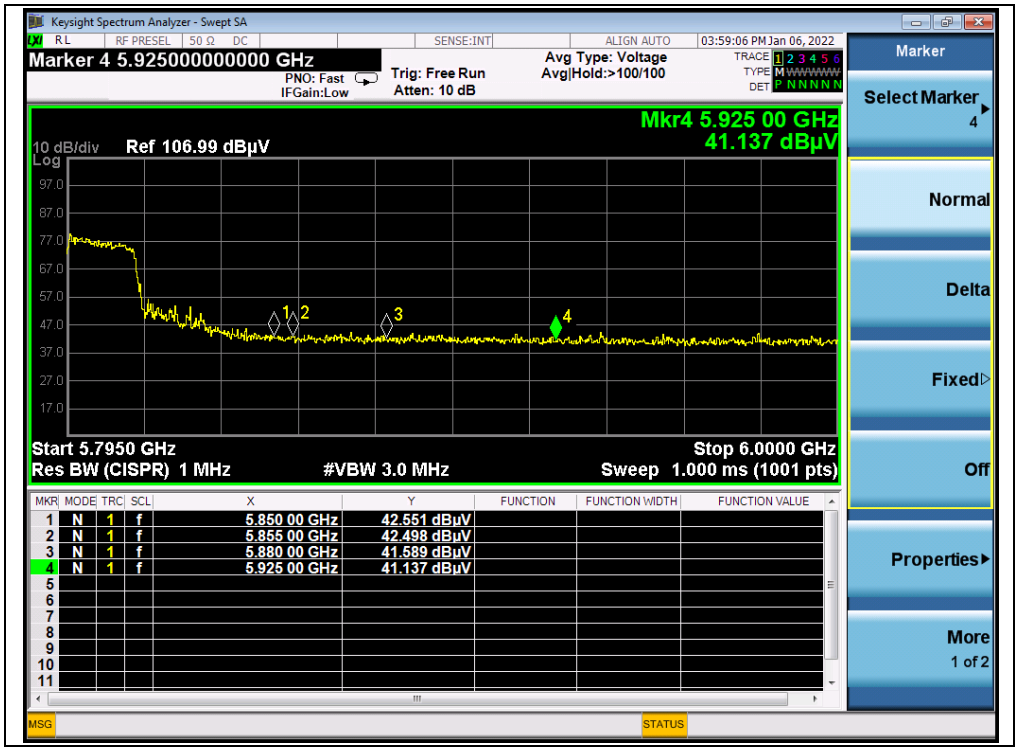


(AVERAGE, Channel 102, 802.11n (HT40))



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

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



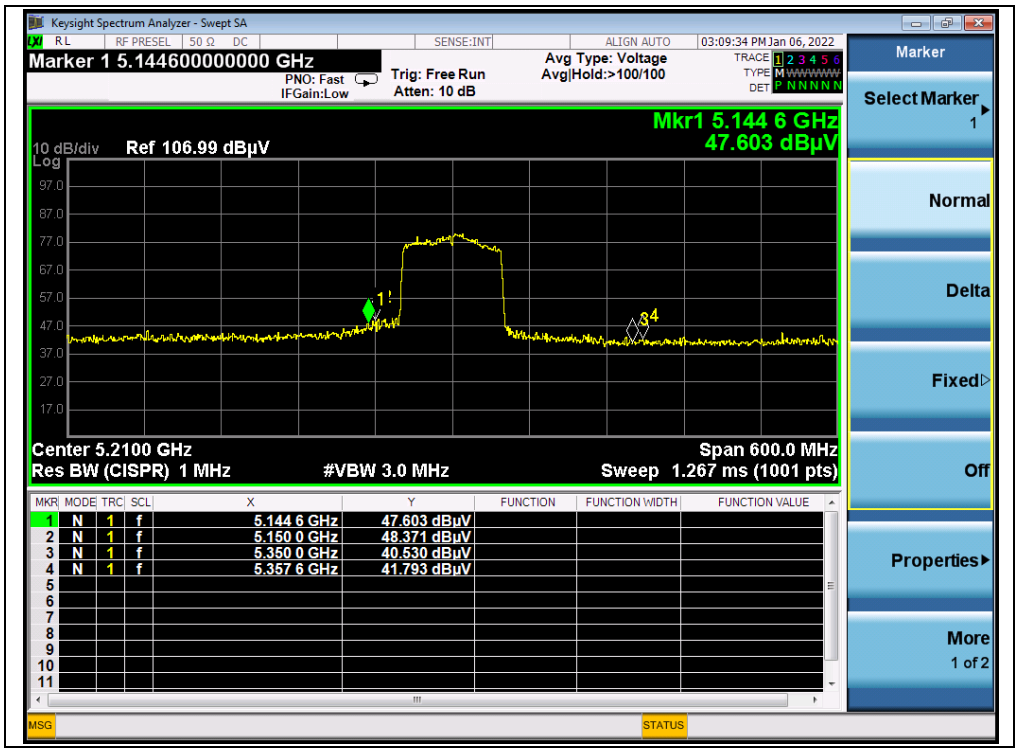
(PEAK, Channel 159, 802.11n (HT40))

802.11ac (VHT80) Mode

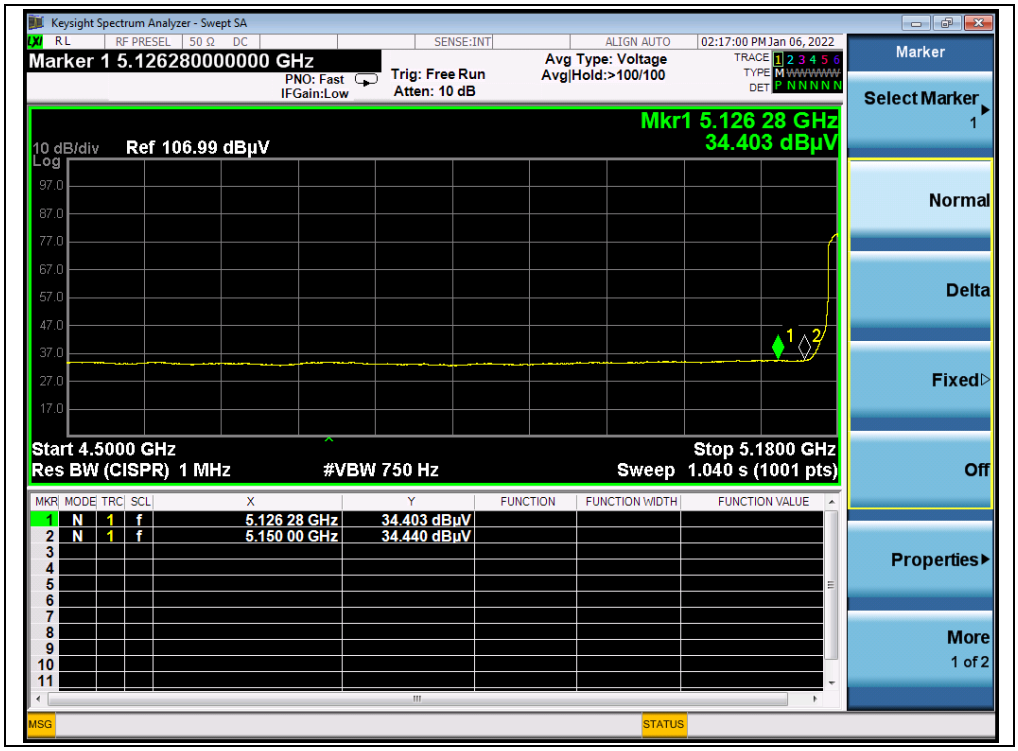
A.Test Verdict:

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	5150.00	PK	48.37	-19.54	32.20	61.03	74	PASS
42	5150.00	AV	37.65	-19.54	32.20	50.31	54	PASS
58	5359.00	PK	49.92	-18.80	32.20	63.32	74	PASS
58	5350.00	AV	38.77	-18.80	32.20	52.17	54	PASS
106	5463.75	PK	48.75	-19.20	32.20	61.75	68.23	PASS
106	5470.00	AV	37.29	-19.20	32.20	50.29	54	PASS
138	5780.42	PK	44.56	-19.20	32.20	57.56	68.23	PASS
155	5700.00	PK	49.29	-19.01	32.20	62.48	105.23	PASS
155	5855.00	PK	46.65	-19.01	32.20	59.84	110.83	PASS

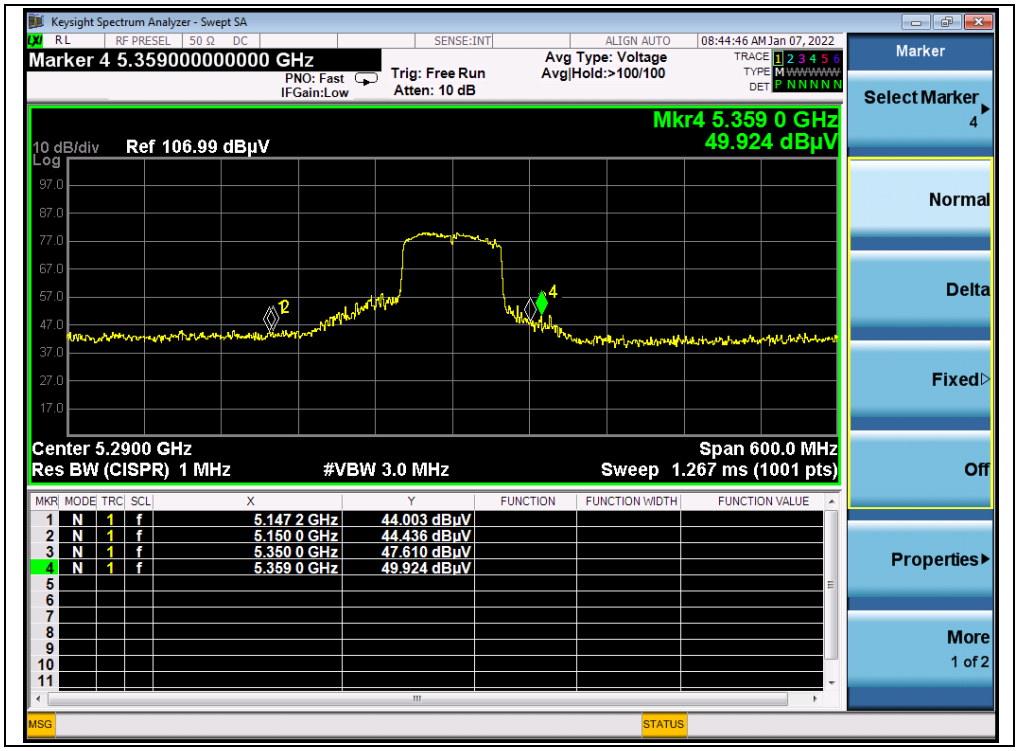
B.Test Plot:



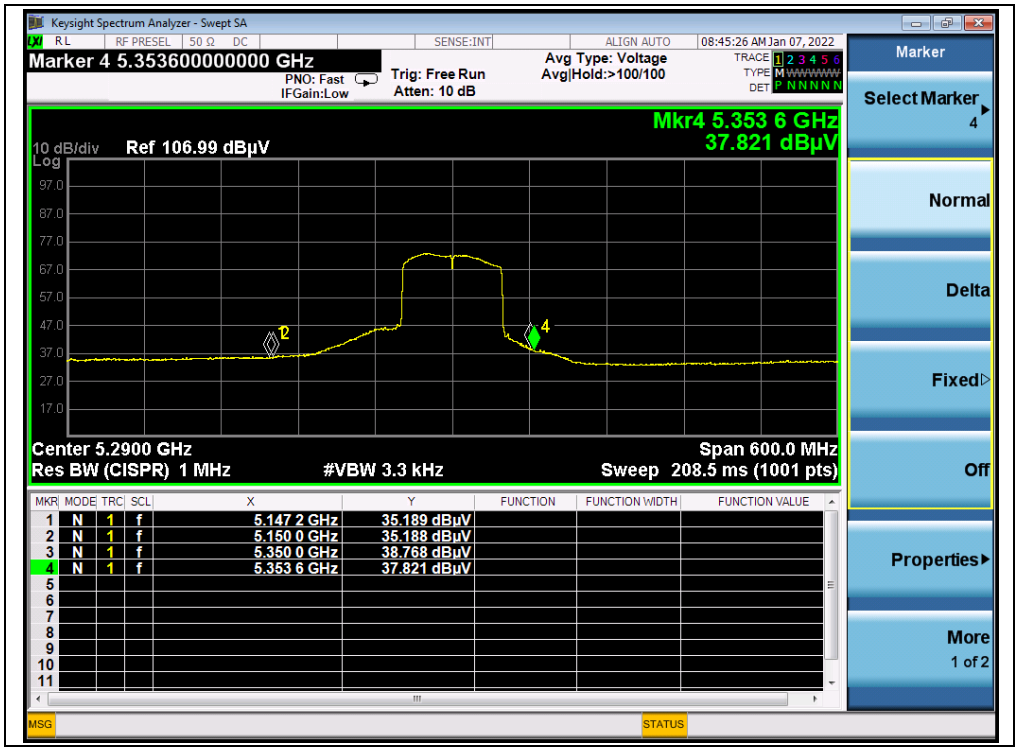
(PEAK, Channel 42, 802.11ac (VHT80))



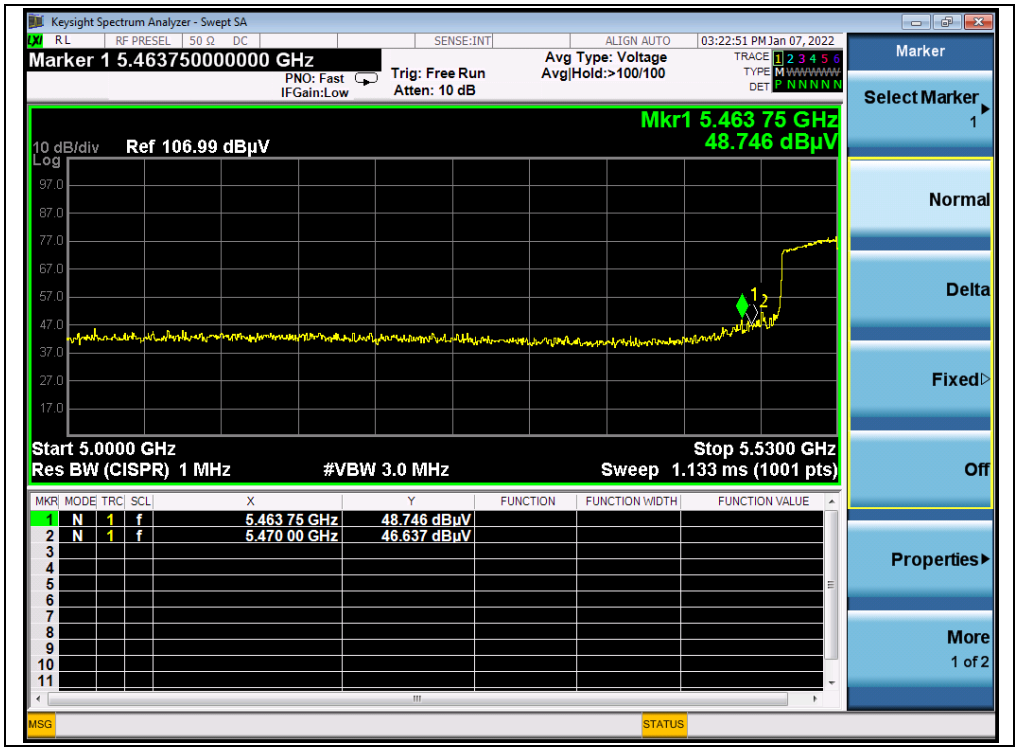
(AVERAGE, Channel 42, 802.11ac (VHT80))



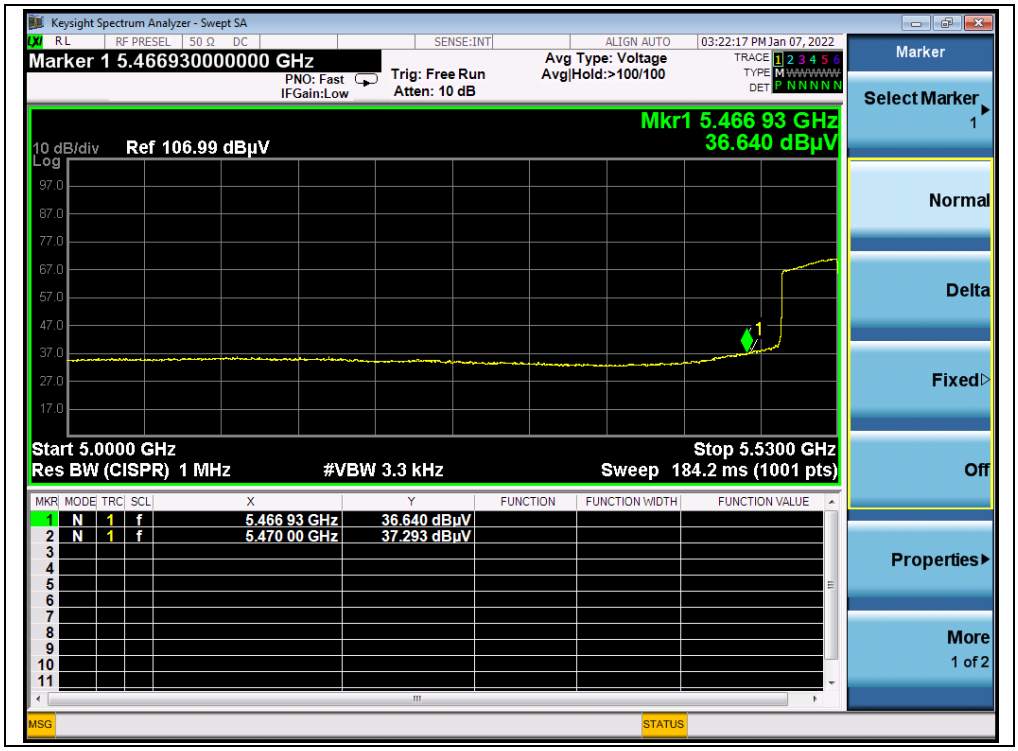
(PEAK, Channel 58, 802.11ac (VHT80))



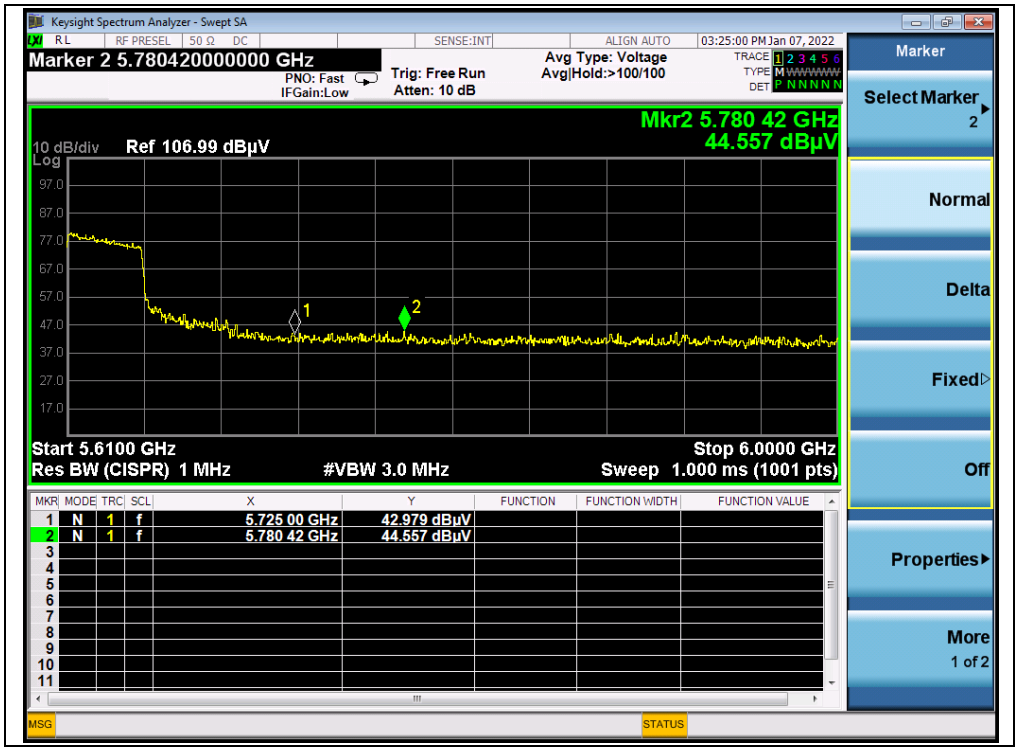
(AVERAGE, Channel 58, 802.11ac (VHT80))



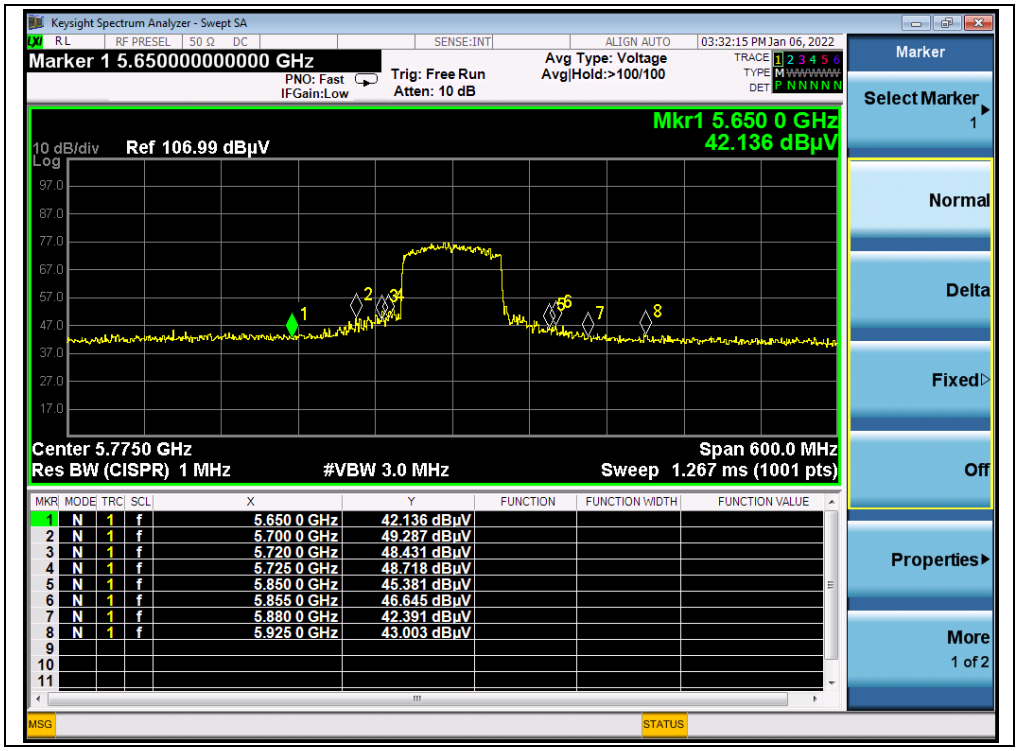
(PEAK, Channel 106, 802.11ac (VHT80))



(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);

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

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:

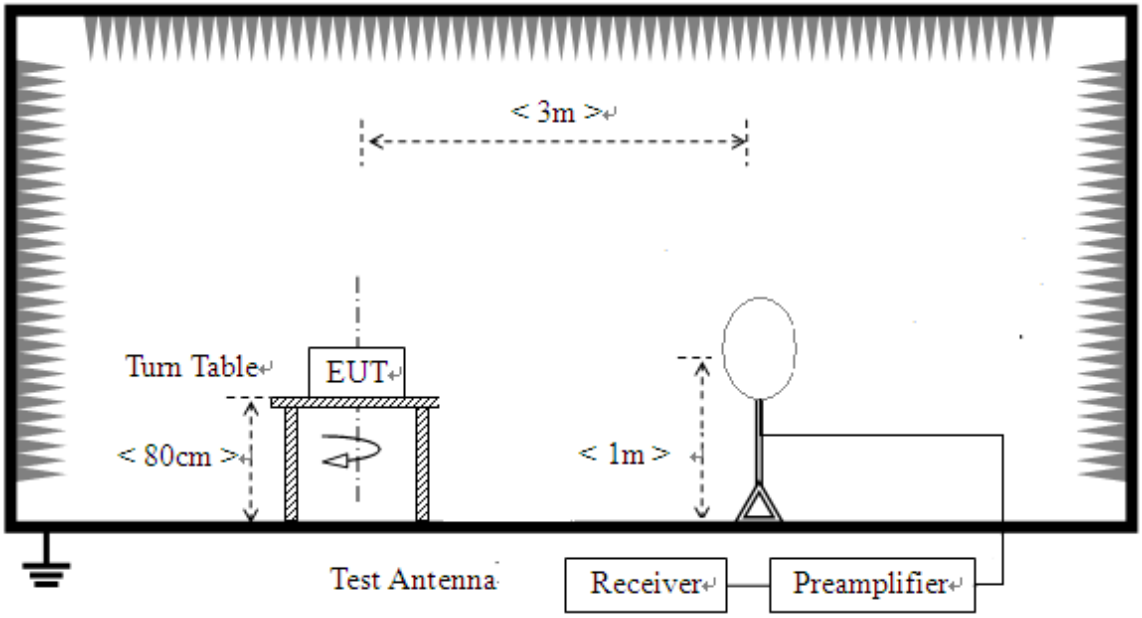
Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

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).

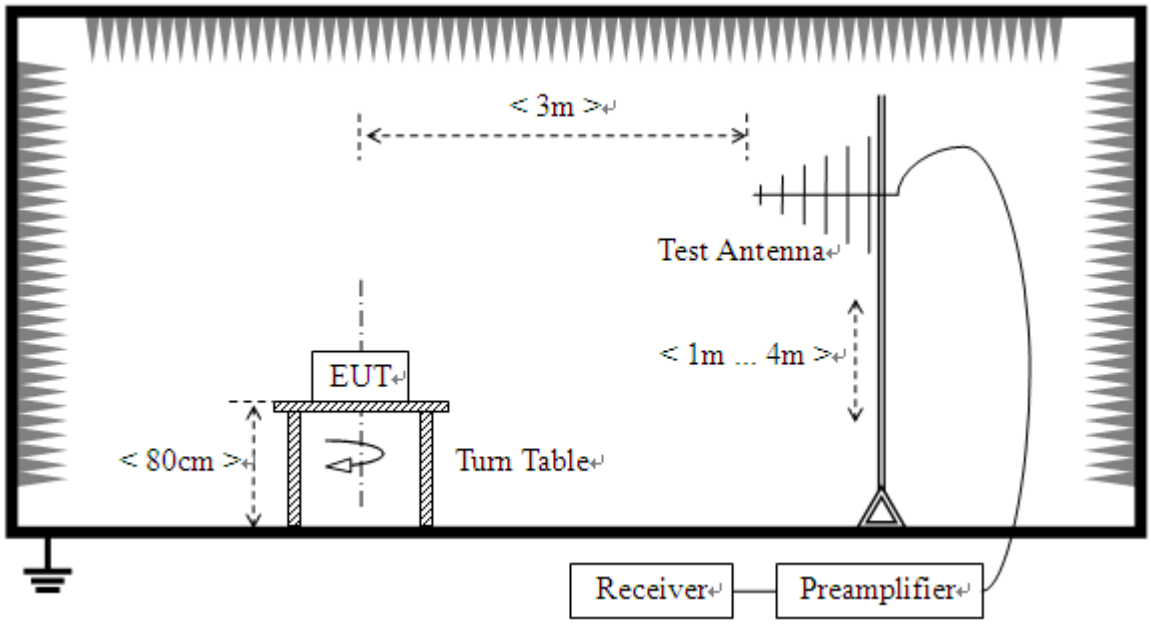
2.9.2. Test Description

Test Setup:

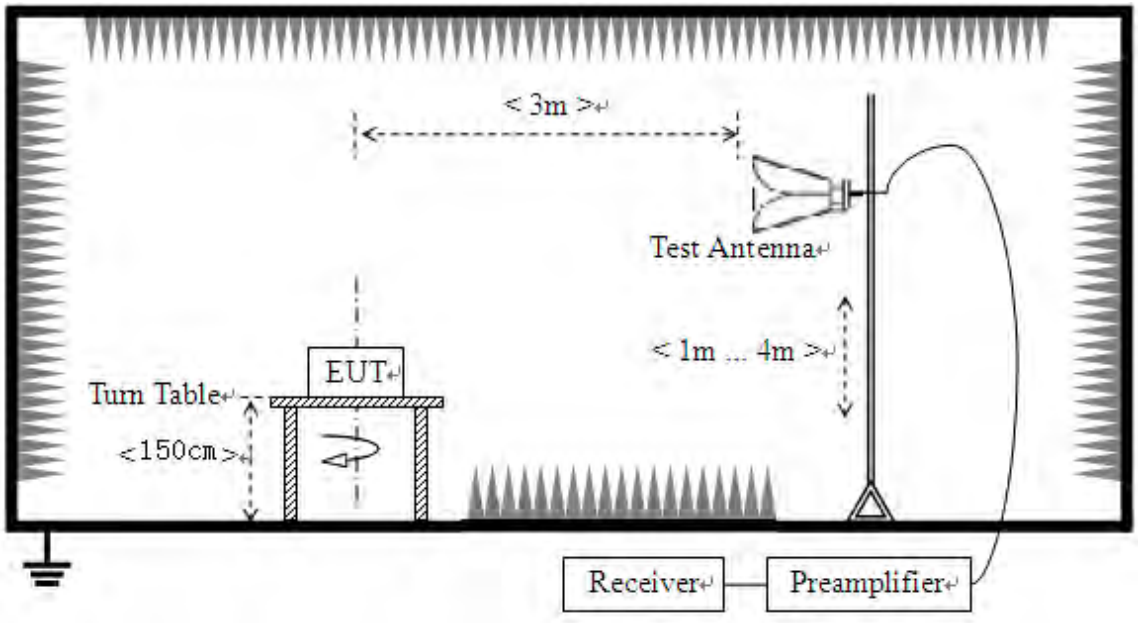
1) For radiated emissions from 9kHz to 30MHz



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 3meters. 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 an quasi-peak measurement (or average).

The measurement results are obtained as below:

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

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.

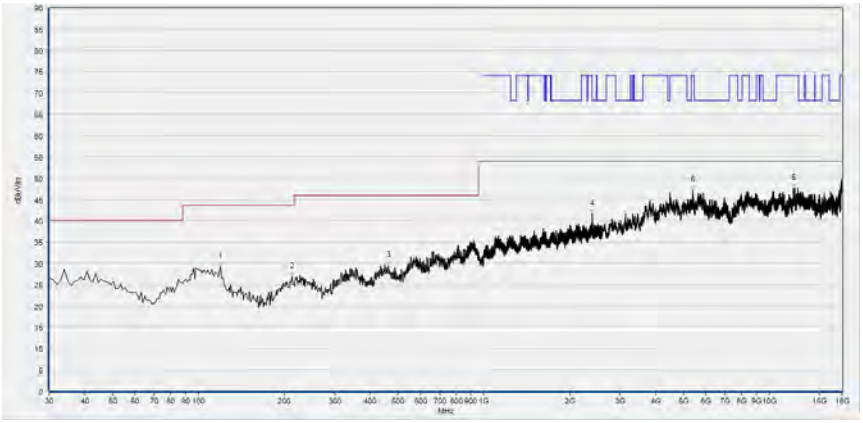
Note 2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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.

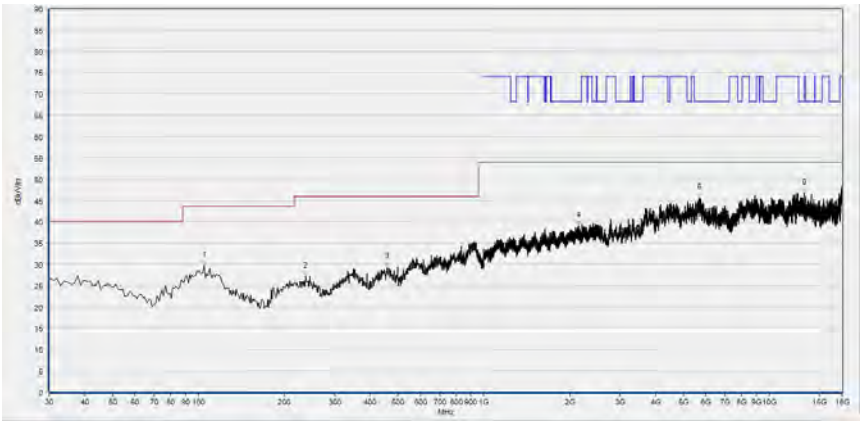
802.11a Mode

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
119.329	29.14	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
212.543	26.88	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
462.082	29.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2401.534	41.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5394.119	47.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12149.910	47.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

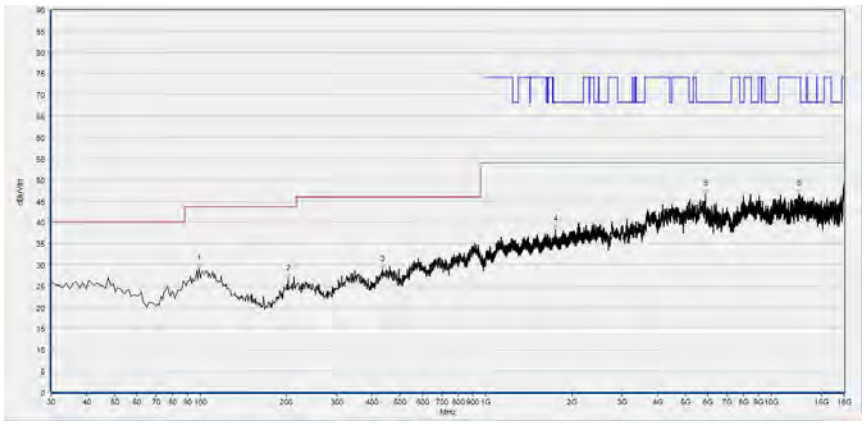
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	29.66	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
237.788	27.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
458.198	29.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2150.250	38.97	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5677.536	45.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13243.529	46.75	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

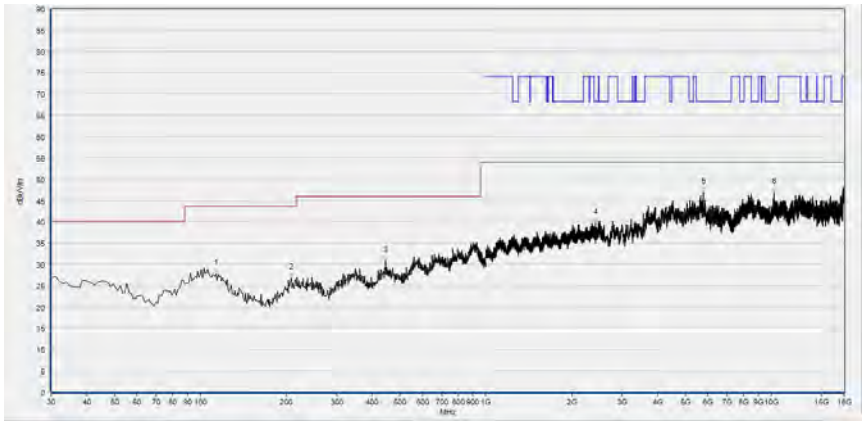
(Antenna Vertical, 30MHz to 18GHz)

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
98.939	29.00	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
202.833	26.58	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
434.895	28.90	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1757.052	38.27	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5871.614	46.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12519.584	46.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

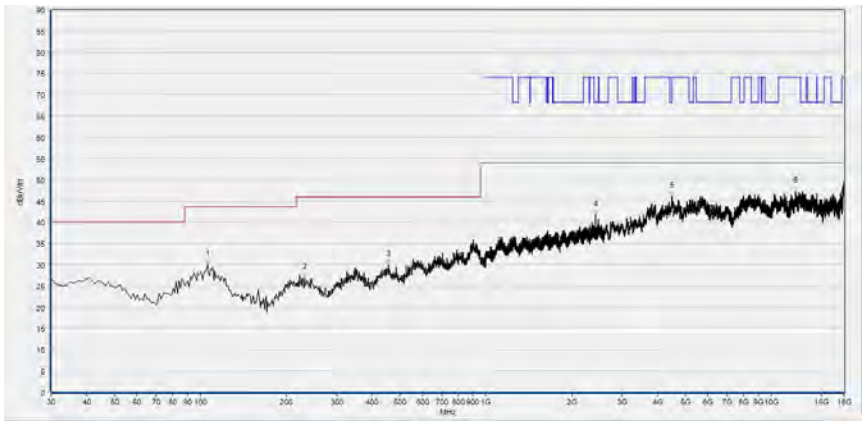
(Antenna Horizontal, 30MHz to 18GHz)



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
113.504	27.74	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
207.688	26.89	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
445.576	30.88	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2427.142	39.77	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5769.954	46.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10212.202	46.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

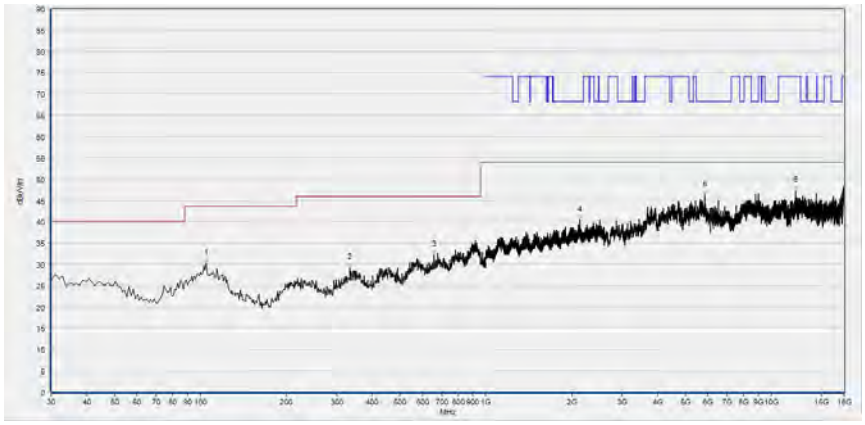
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
105.736	29.94	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
231.962	26.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
456.256	29.94	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2425.542	41.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4479.176	46.17	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12143.749	47.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

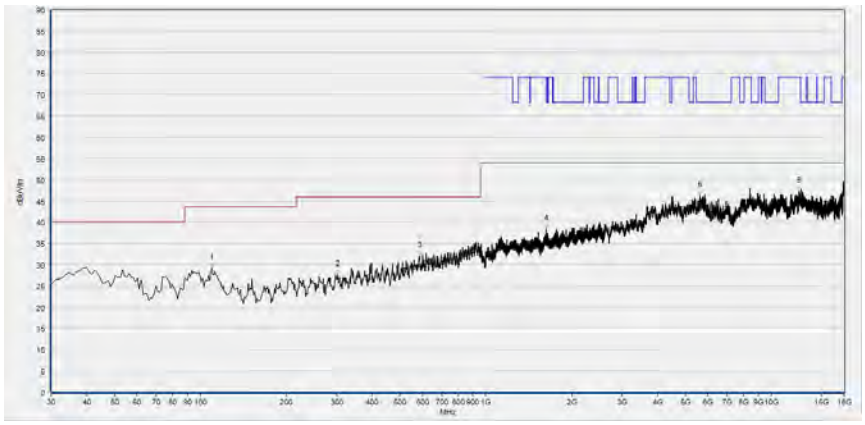
(Antenna Horizontal, 30MHz to 18GHz)



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
104.765	30.12	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
333.914	29.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
659.189	32.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2137.446	40.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5859.292	46.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12156.071	47.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

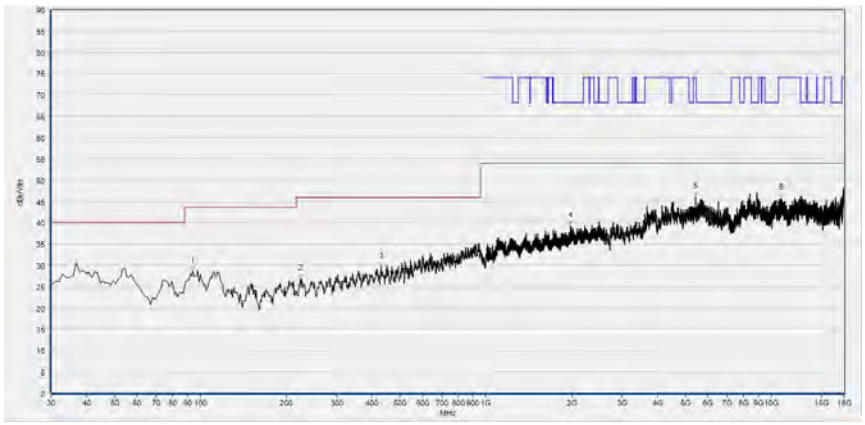
(Antenna Vertical, 30MHz to 18GHz)

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
109.620	29.13	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
301.872	27.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
585.395	32.04	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1624.208	38.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5634.407	46.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12504.181	47.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

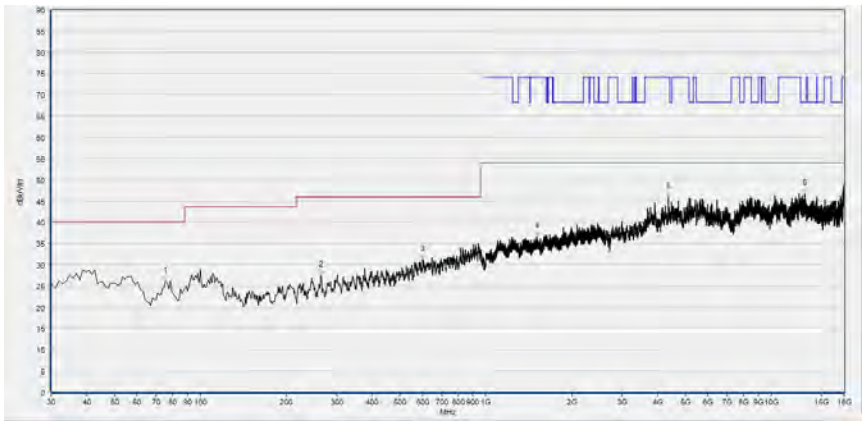
(Antenna Horizontal, 30MHz to 18GHz)



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
94.084	28.62	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
224.194	26.80	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
429.069	29.60	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1984.328	39.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5421.844	46.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10812.923	45.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

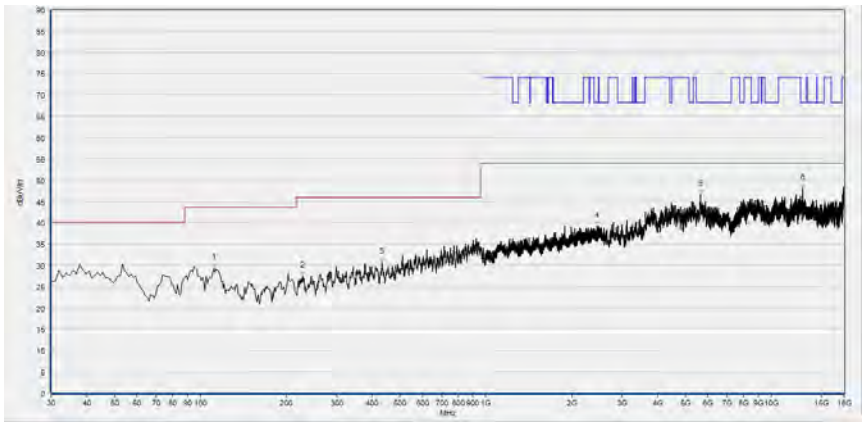
(Antenna Vertical, 30MHz to 18GHz)

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
75.636	26.21	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
264.975	27.42	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
600.931	31.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1512.704	36.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4368.274	45.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13132.627	46.71	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

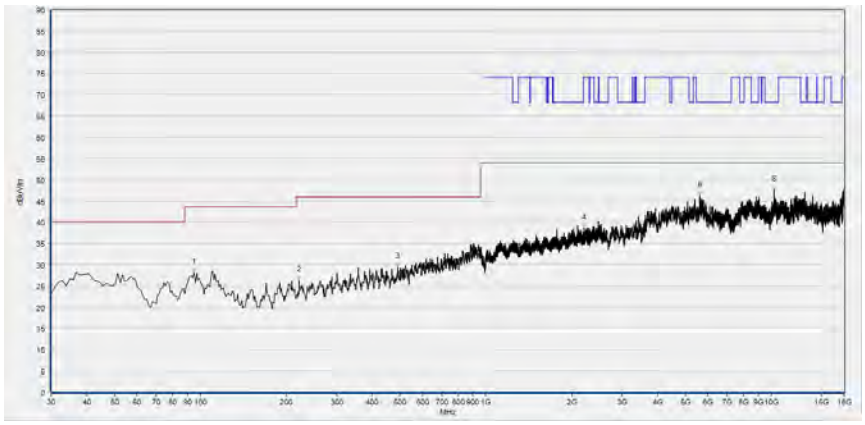
(Antenna Horizontal, 30MHz to 18GHz)



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
111.562	29.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
228.078	27.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
432.953	30.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2452.217	39.16	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5655.971	46.58	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12895.419	48.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

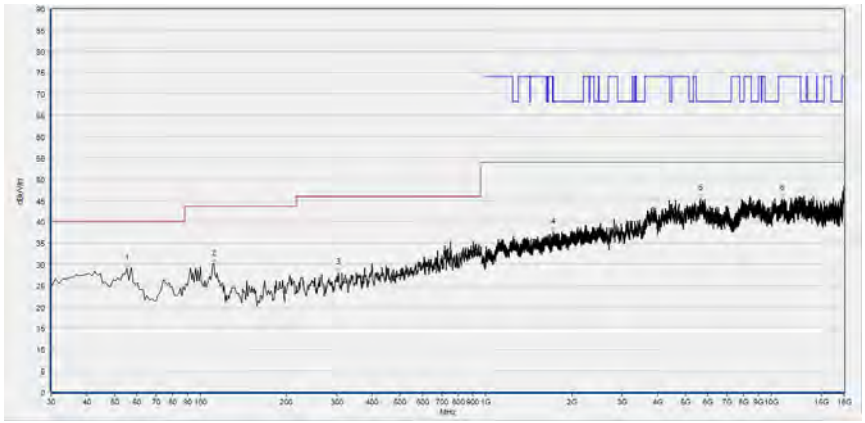
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 64



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
95.055	28.12	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
222.252	26.36	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
492.182	29.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2209.470	38.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5619.004	46.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10233.767	47.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

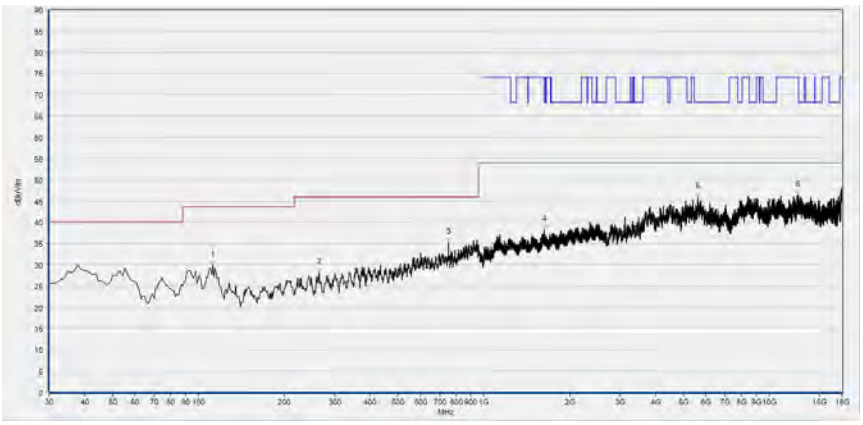
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
55.245	29.07	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
111.562	30.04	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
304.785	27.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1725.042	37.46	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5637.487	45.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10926.905	45.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

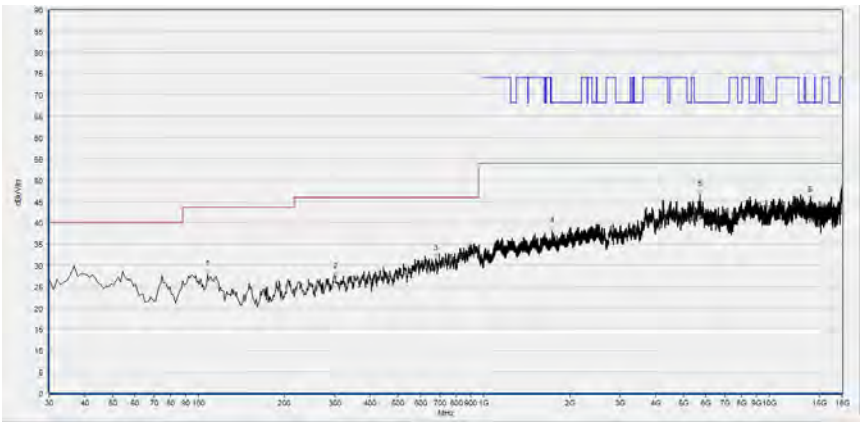
(Antenna Vertical, 30MHz to 18GHz)

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
112.533	29.87	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
264.975	28.24	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
752.402	35.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1627.409	38.15	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5609.762	45.91	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12590.438	46.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

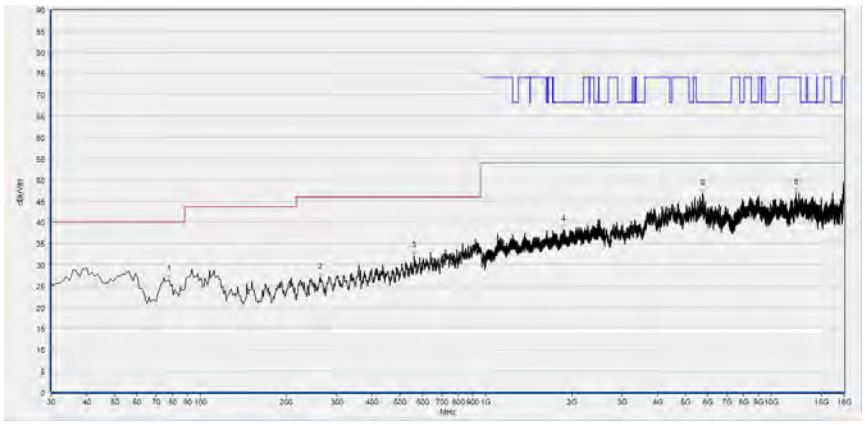
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	27.80	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
301.872	27.33	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
677.638	31.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1731.444	38.01	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5729.906	46.58	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13875.055	45.30	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

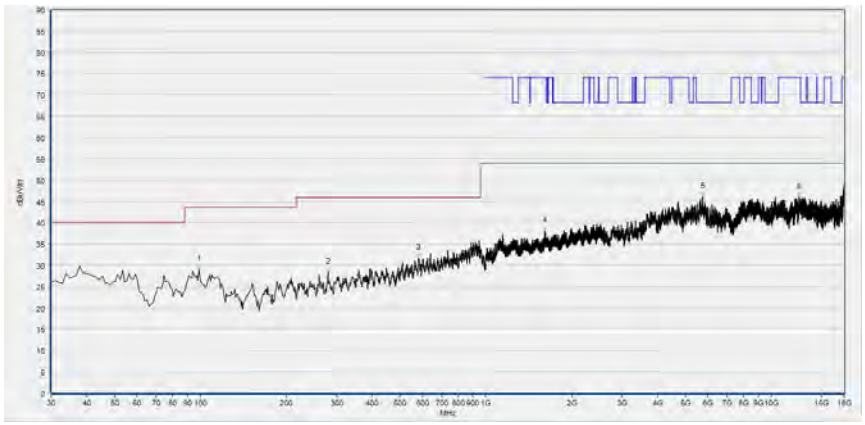
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 120



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
77.578	26.47	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
264.004	26.95	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
562.092	32.05	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1866.422	38.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5766.873	46.68	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12205.361	46.97	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

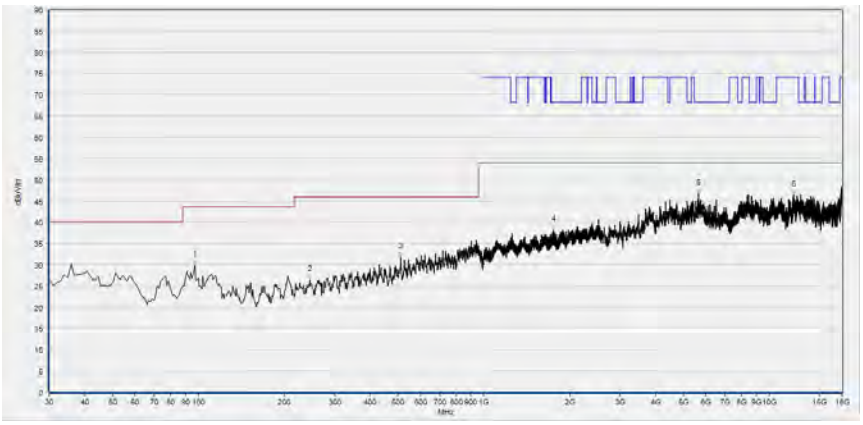
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.939	28.95	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
280.511	28.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
581.512	31.76	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1610.337	38.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5742.228	46.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12507.261	45.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

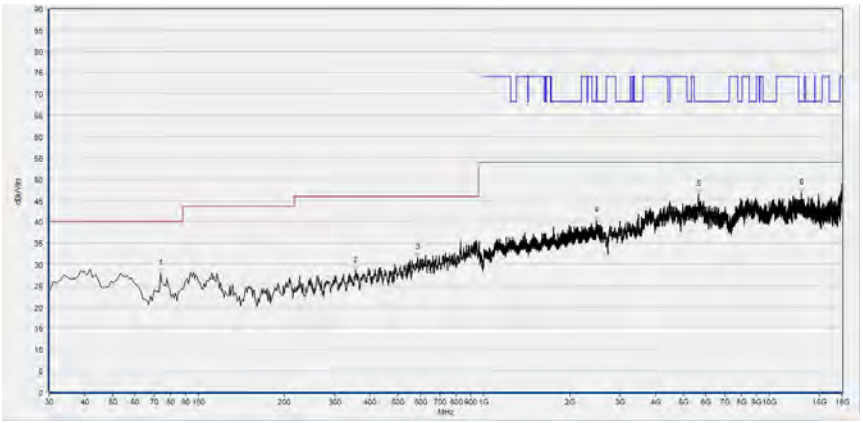
(Antenna Vertical, 30MHz to 18GHz)

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
96.997	29.76	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
245.556	26.46	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
512.573	31.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1756.519	38.26	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5646.729	46.83	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12140.668	46.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

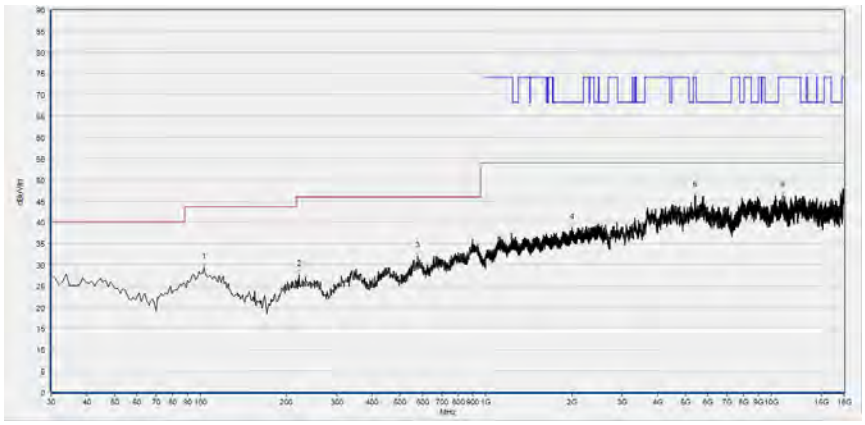
(Antenna Horizontal, 30MHz to 18GHz)



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
73.694	27.75	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
355.275	28.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
587.337	31.47	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2482.094	40.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5662.132	46.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12941.628	46.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

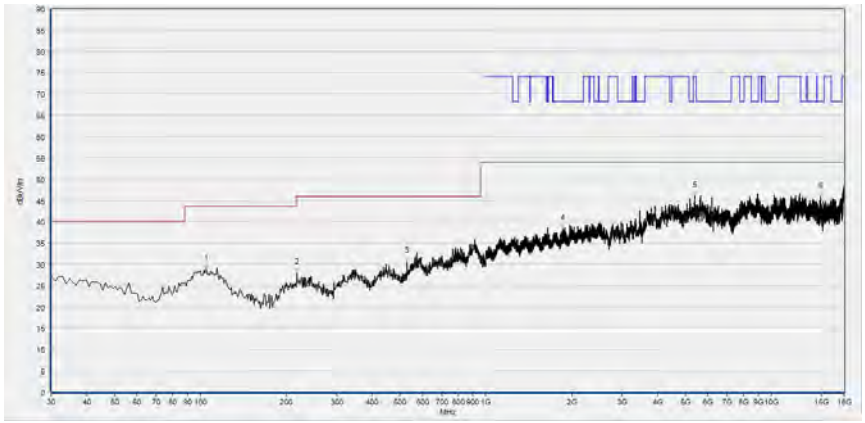
(Antenna Vertical, 30MHz to 18GHz)

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
102.823	29.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
222.252	27.69	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
577.628	31.97	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2000.867	38.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5397.199	46.29	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10991.598	46.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

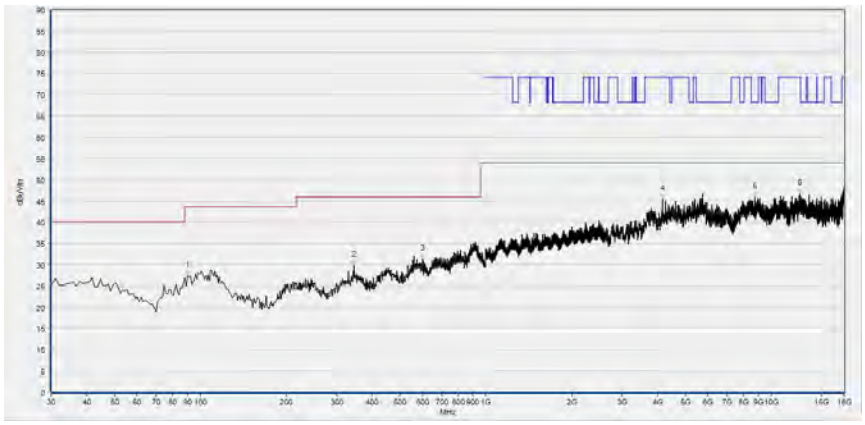
(Antenna Horizontal, 30MHz to 18GHz)



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
104.765	28.82	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
218.368	27.92	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
530.050	30.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1854.685	38.33	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5406.441	46.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14891.658	45.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

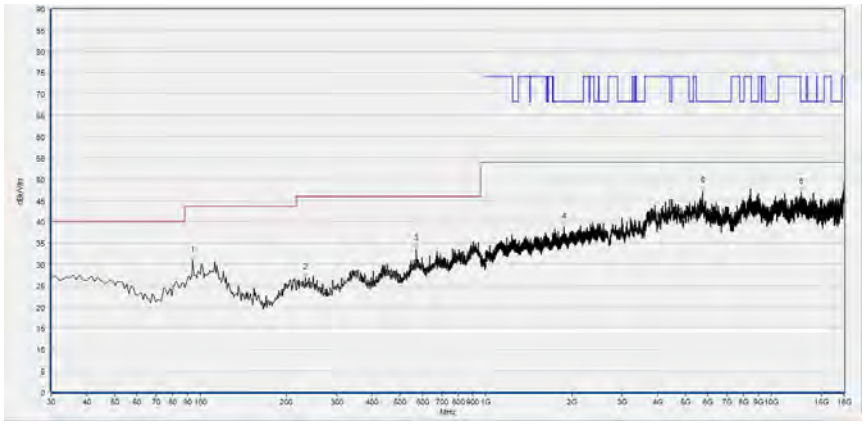
(Antenna Vertical, 30MHz to 18GHz)

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
90.200	27.44	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
345.566	29.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
599.960	31.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4152.631	45.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8767.393	45.87	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12578.116	46.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

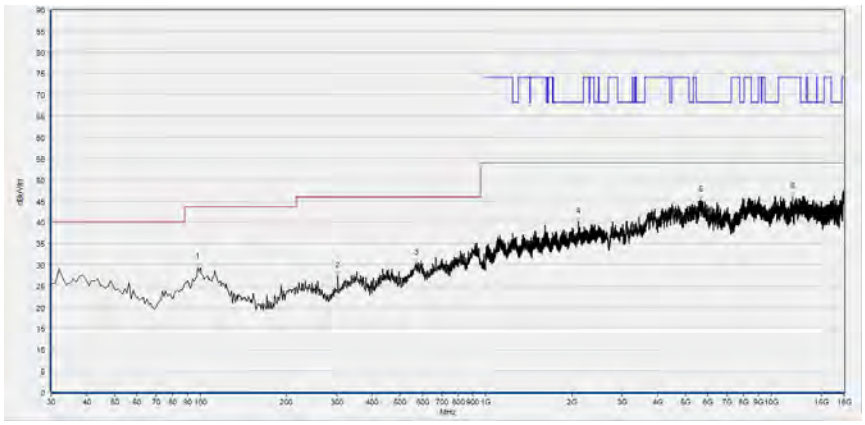
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
94.084	30.77	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
233.904	26.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
571.802	33.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1878.693	38.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5751.470	47.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12753.711	47.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

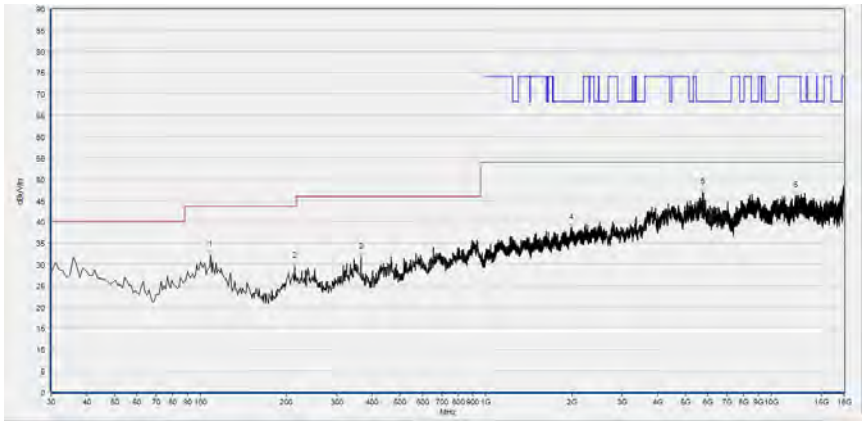
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.968	29.31	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
302.843	27.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
571.802	30.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2109.703	40.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5652.891	45.26	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11881.896	45.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

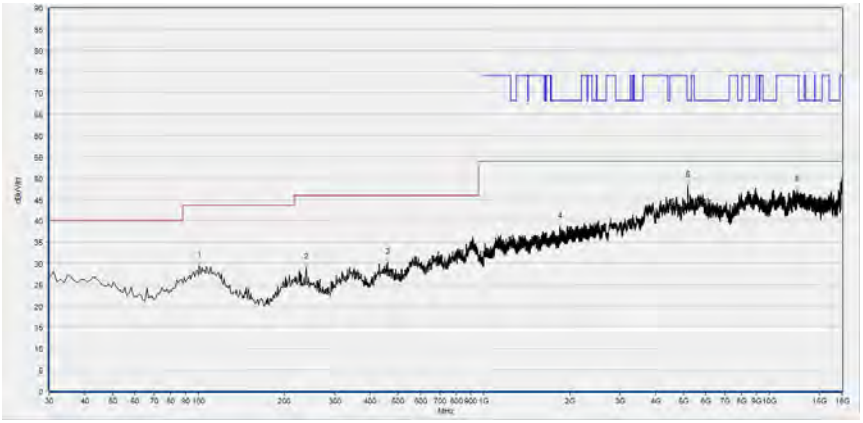


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	32.19	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
213.514	29.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
364.985	31.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1994.465	38.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5757.632	46.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12165.313	46.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

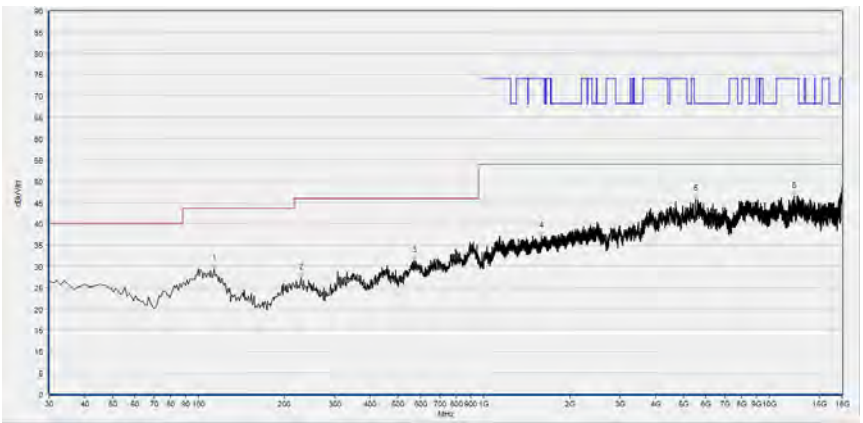
802.11n (HT40) mode

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
100.881	29.47	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
238.759	29.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
460.140	30.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1844.015	38.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5181.556	48.28	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12522.665	47.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

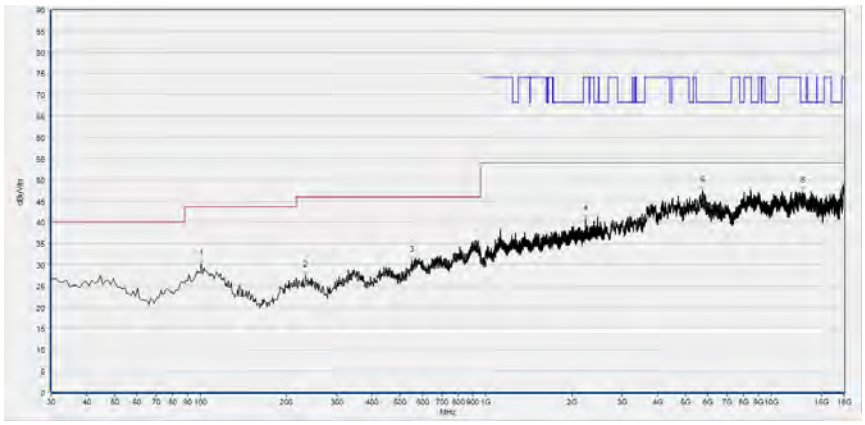
(Antenna Horizontal, 30MHz to 18GHz)



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
113.504	29.52	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
229.049	27.37	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
569.860	31.32	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1588.996	36.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5523.505	45.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12211.522	46.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

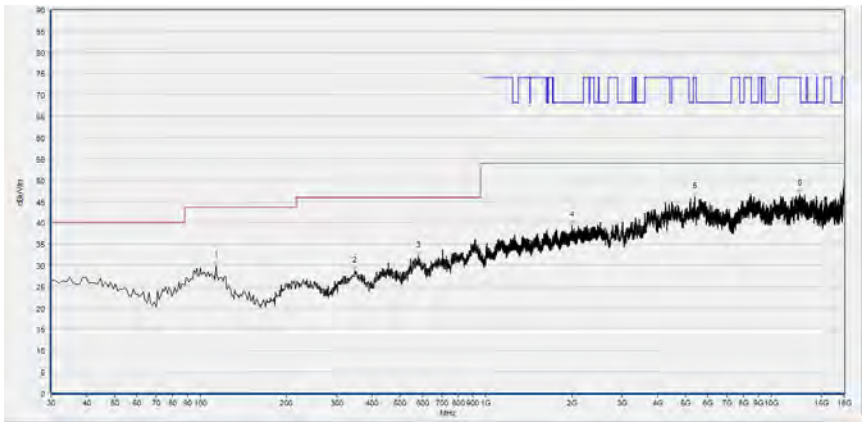
(Antenna Vertical, 30MHz to 18GHz)

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
100.881	30.20	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
233.904	27.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
549.469	30.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2232.411	40.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5760.712	47.43	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12920.064	47.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

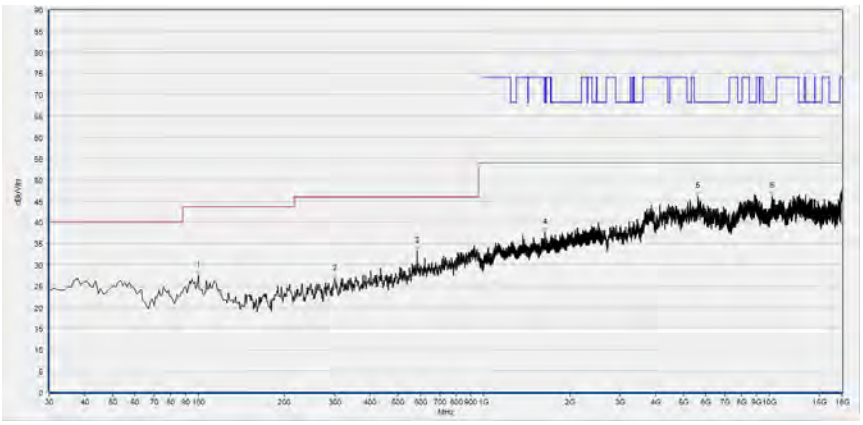
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
113.504	29.79	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
347.508	28.72	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
580.541	32.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1998.199	39.45	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5403.361	46.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12562.713	46.81	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

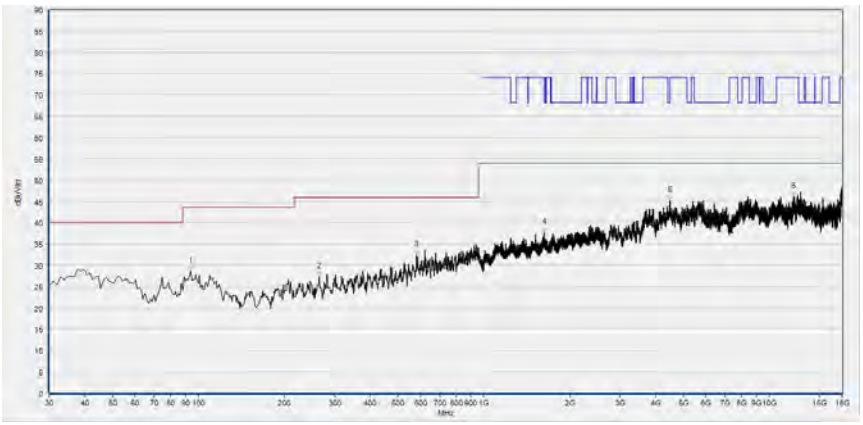
(Antenna Vertical, 30MHz to 18GHz)

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
99.910	27.44	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
299.930	26.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
583.453	33.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1633.278	37.49	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5634.407	46.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10218.364	46.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

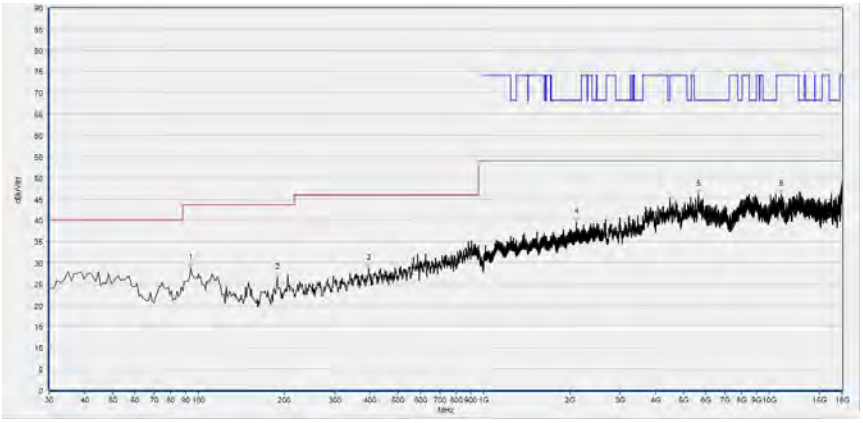
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
94.084	28.58	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
264.975	27.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
579.570	32.36	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1631.144	37.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4479.176	45.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12186.877	46.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

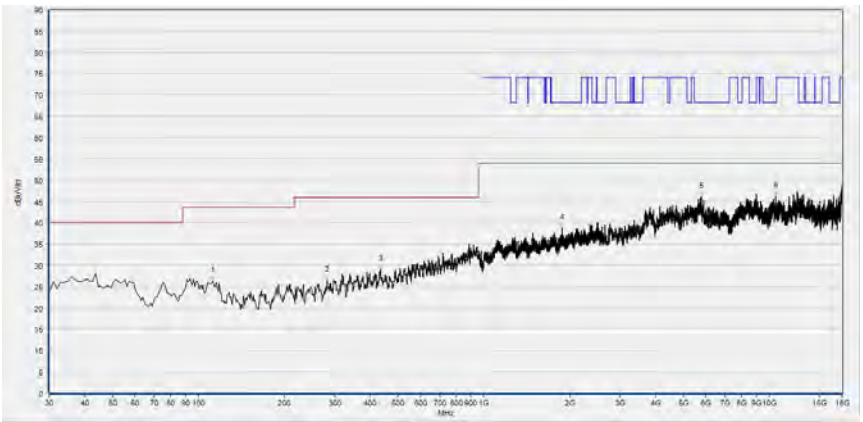
(Antenna Vertical, 30MHz to 18GHz)

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
94.084	28.85	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
189.239	26.51	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
395.085	28.67	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2105.969	39.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5646.729	46.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11016.243	46.14	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

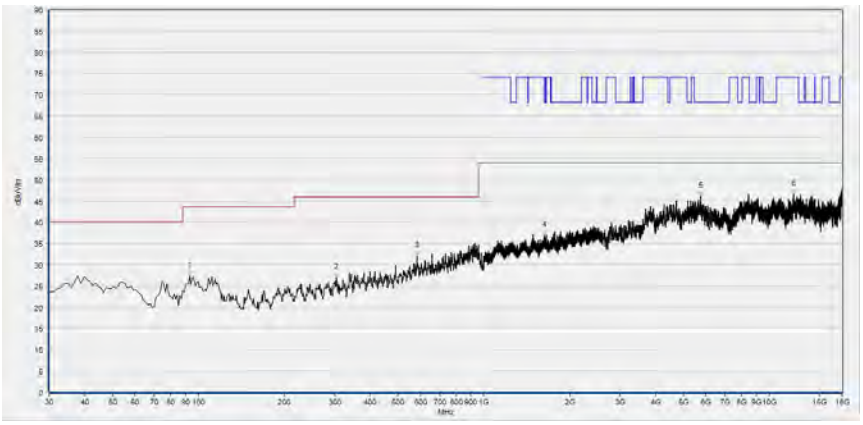
(Antenna Horizontal, 30MHz to 18GHz)



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
112.533	26.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
282.452	26.43	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
434.895	28.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1877.626	38.66	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5779.196	46.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10523.345	46.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

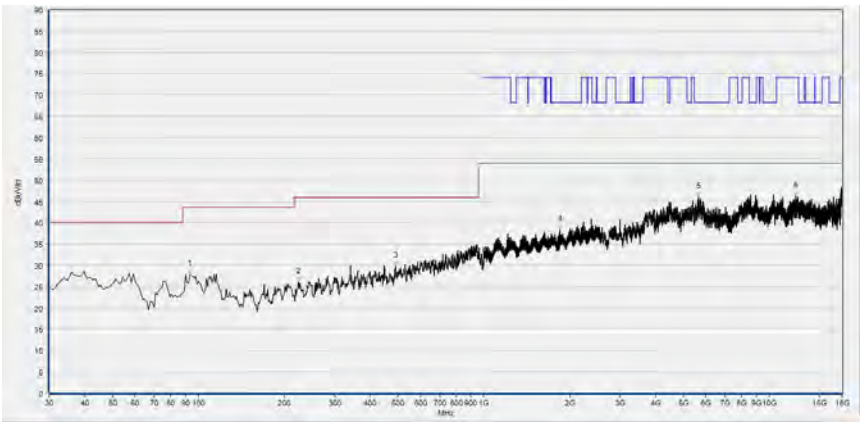
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 102



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
93.113	27.28	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
304.785	27.05	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
582.482	31.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1626.876	36.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5757.632	46.11	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12165.313	46.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

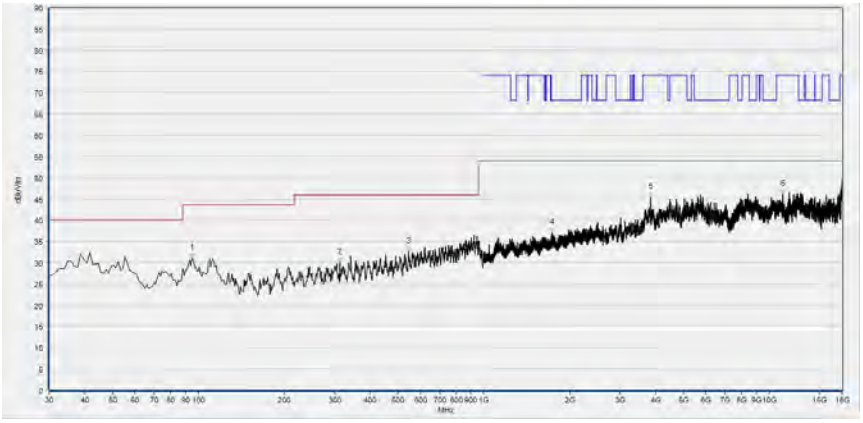
(Antenna Horizontal, 30MHz to 18GHz)



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
93.113	27.78	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
224.194	26.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
490.240	29.88	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1852.017	38.30	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5662.132	46.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12347.069	46.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

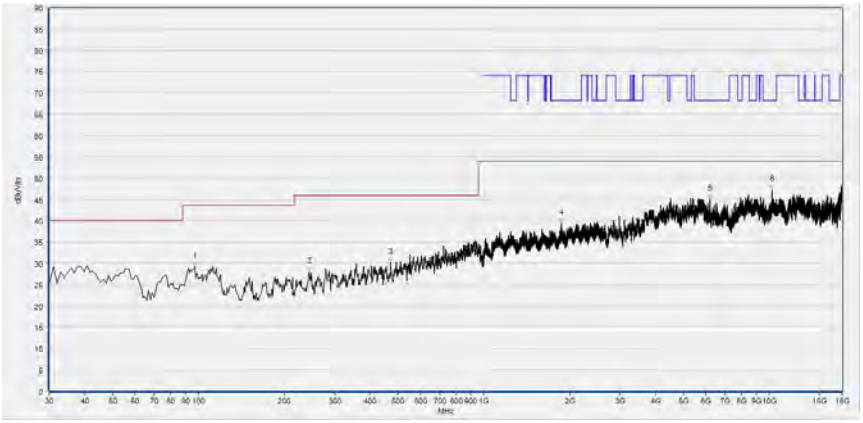
(Antenna Vertical, 30MHz to 18GHz)

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
95.055	31.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
312.553	29.95	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
544.615	32.51	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1737.312	36.96	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3841.488	45.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11148.710	46.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

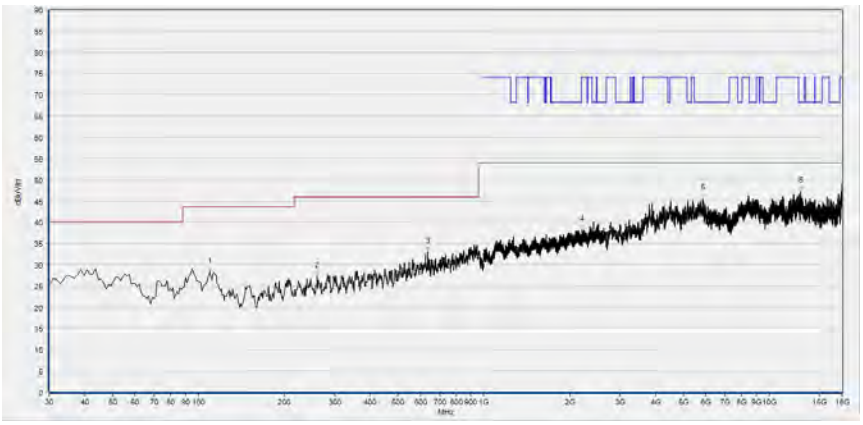
(Antenna Horizontal, 30MHz to 18GHz)



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
96.997	29.24	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
244.585	28.06	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
471.792	30.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1869.090	39.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6195.079	45.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10227.606	47.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

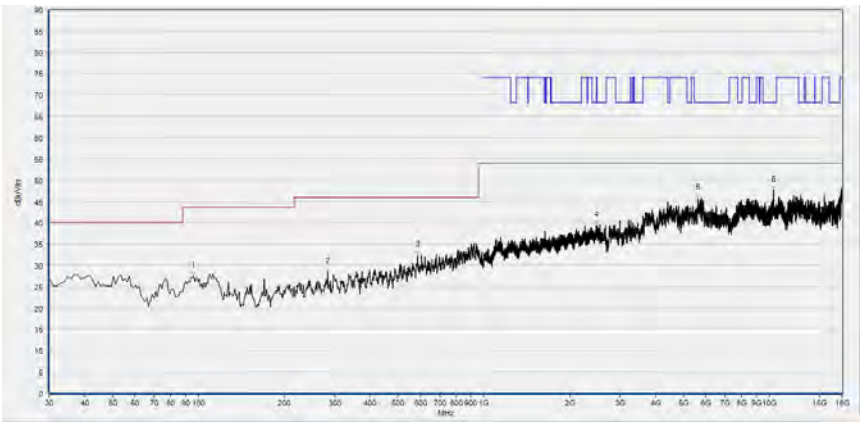
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 142



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	28.31	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
261.091	27.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
636.857	33.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2214.805	38.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5859.292	45.60	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12904.661	47.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

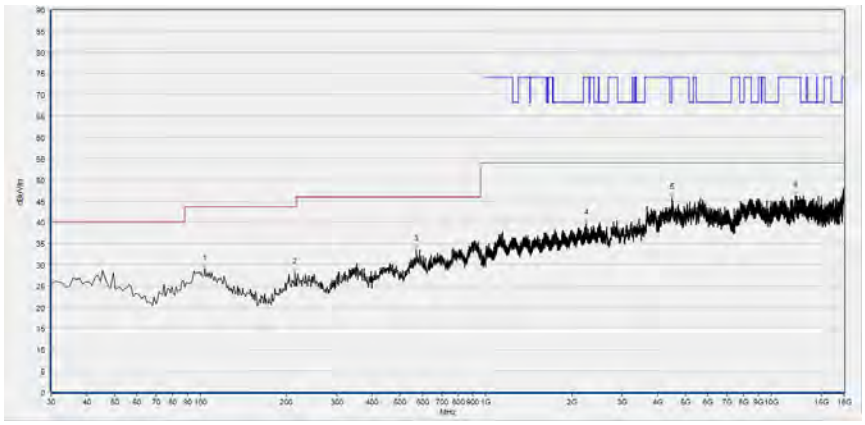
(Antenna Horizontal, 30MHz to 18GHz)



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
96.026	27.52	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
283.423	28.42	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
585.395	32.36	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2485.829	39.33	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5631.326	45.76	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10344.669	47.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

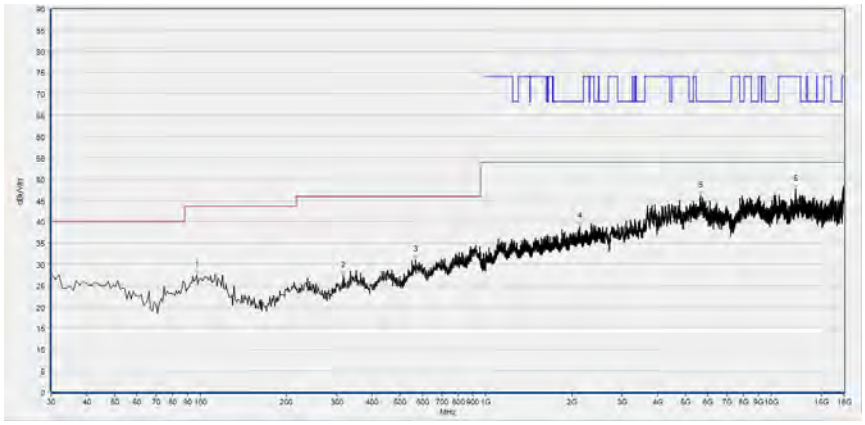
(Antenna Vertical, 30MHz to 18GHz)

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
103.794	28.95	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
214.484	28.14	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
571.802	33.52	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2248.950	39.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4488.418	45.80	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12193.039	46.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

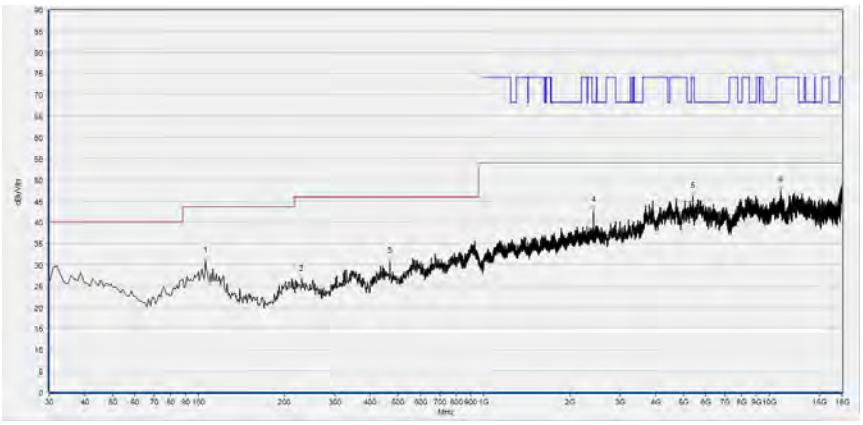
(Antenna Horizontal, 30MHz to 18GHz)



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
96.997	27.42	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
316.436	27.39	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
567.918	30.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2134.778	38.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5643.649	46.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12152.991	47.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

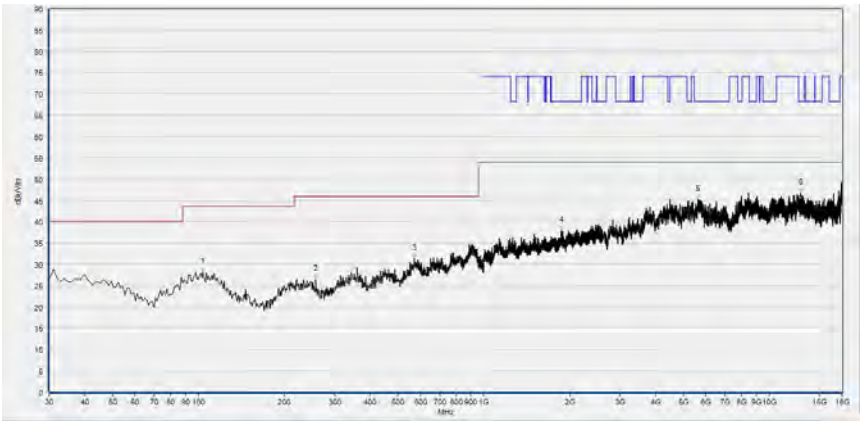
(Antenna Vertical, 30MHz to 18GHz)

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
105.736	30.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
230.020	26.50	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
468.879	30.65	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2426.075	42.66	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5403.361	46.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10979.276	47.47	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

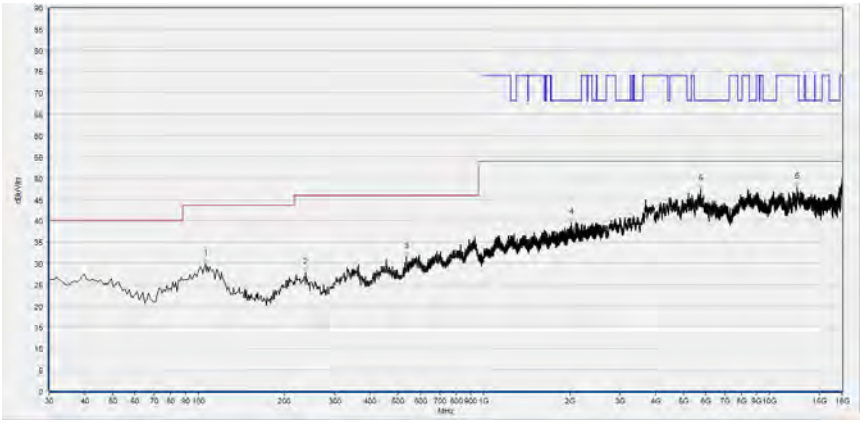


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.794	28.10	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
258.178	26.47	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
571.802	31.40	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1873.891	37.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5634.407	45.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12889.258	46.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

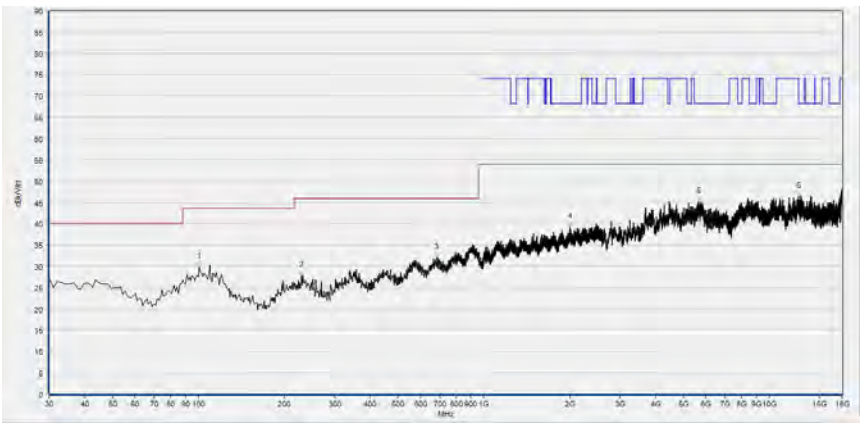
802.11ac (VHT80) Mode

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
105.736	29.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
237.788	27.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
535.876	31.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2024.341	39.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5751.470	47.40	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12510.342	47.97	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

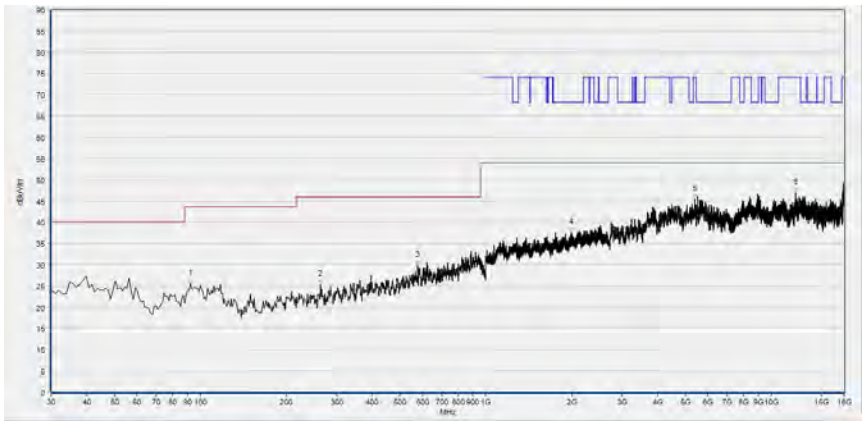
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
100.881	29.85	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
230.020	27.75	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
680.551	32.07	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2004.602	39.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5640.568	45.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12670.534	46.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

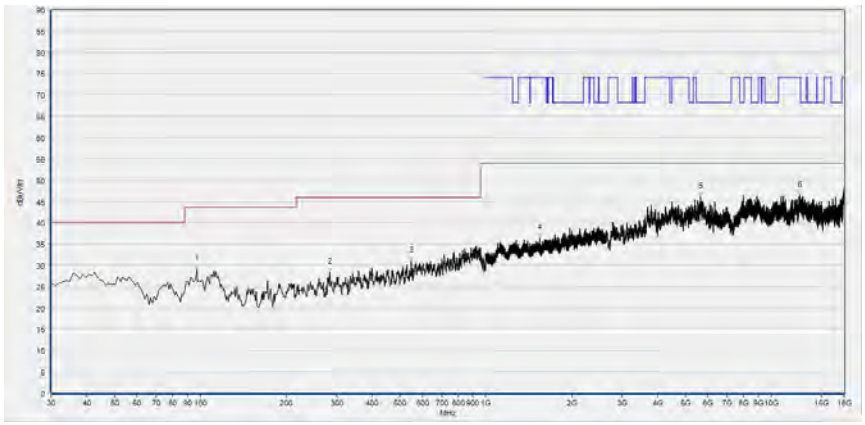
(Antenna Vertical, 30MHz to 18GHz)

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
92.142	25.44	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
264.004	25.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
576.657	29.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1991.264	37.50	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5403.361	45.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12168.394	46.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

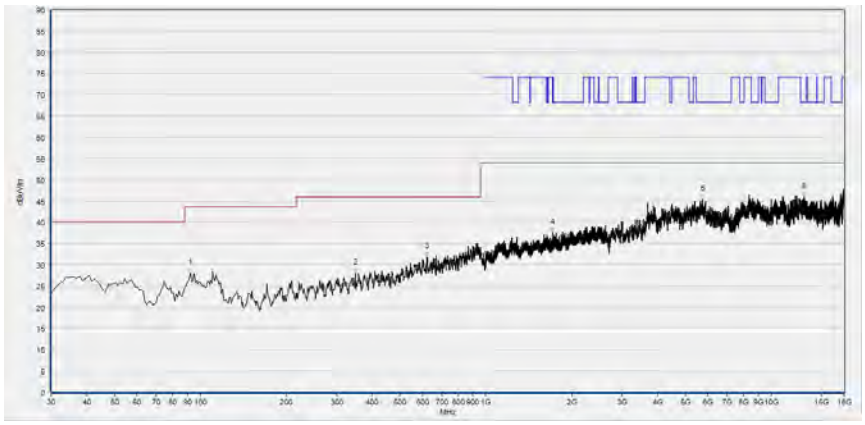
(Antenna Horizontal, 30MHz to 18GHz)



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
96.997	29.06	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
283.423	28.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
547.528	30.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1545.782	36.33	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5649.810	46.01	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12596.599	46.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

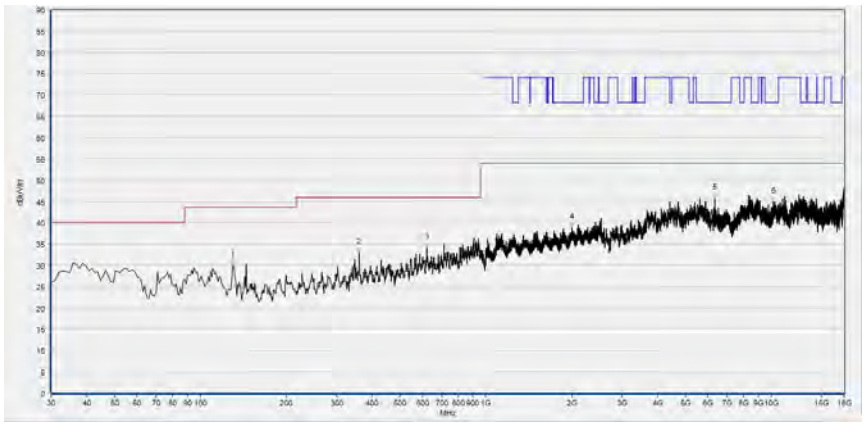
(Antenna Vertical, 30MHz to 18GHz)

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
92.142	27.98	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
348.478	28.02	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
620.350	31.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1712.771	37.46	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5757.632	45.41	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13058.692	45.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

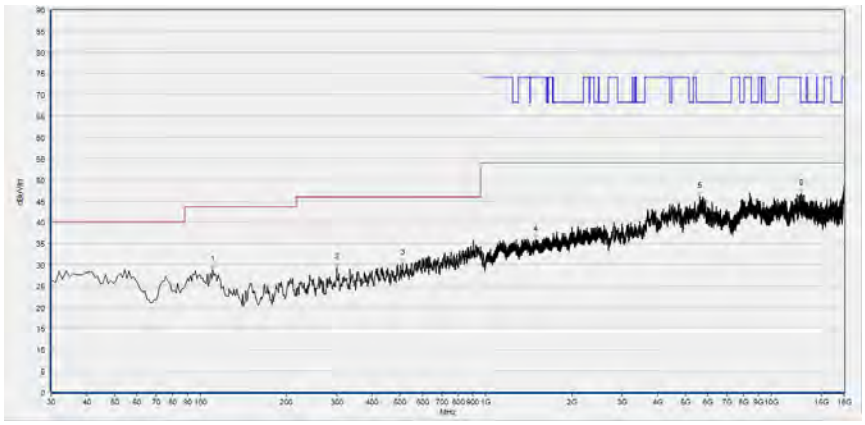
(Antenna Horizontal, 30MHz to 18GHz)



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
130.010	29.91	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.130	33.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
620.350	34.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2001.400	38.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6336.787	45.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10175.235	44.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

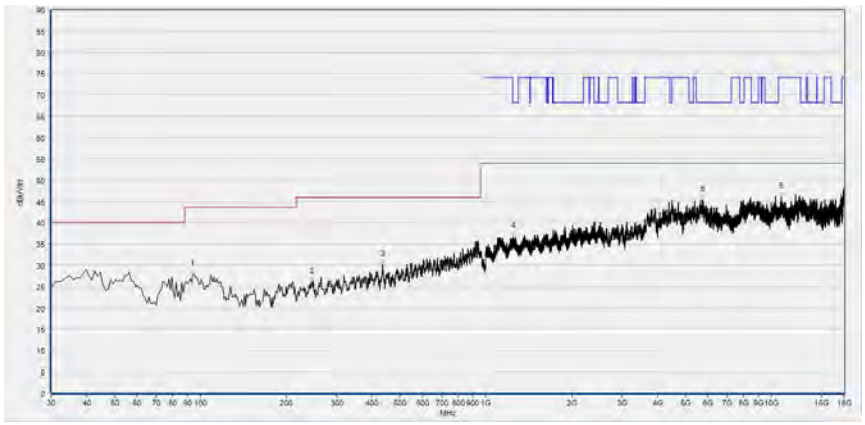
(Antenna Vertical, 30MHz to 18GHz)

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
110.591	28.86	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
299.930	29.34	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
509.660	30.40	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1488.696	35.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5606.681	46.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12729.066	46.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

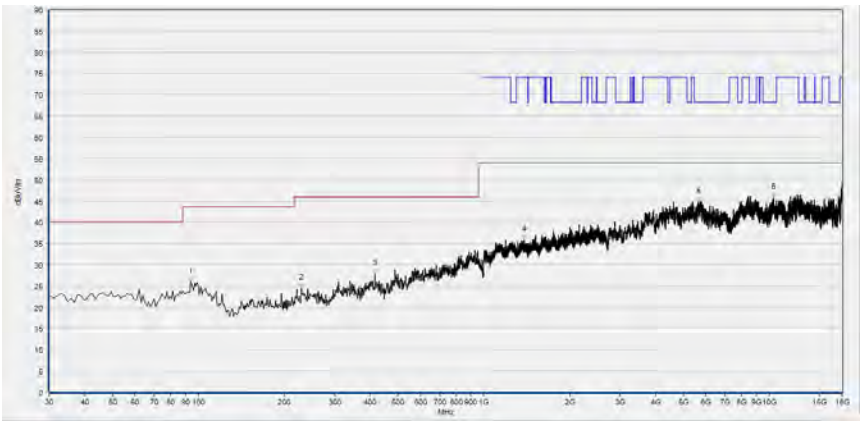
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
94.084	27.89	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
245.556	26.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
434.895	30.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1245.949	36.65	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5763.793	45.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10822.164	46.01	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

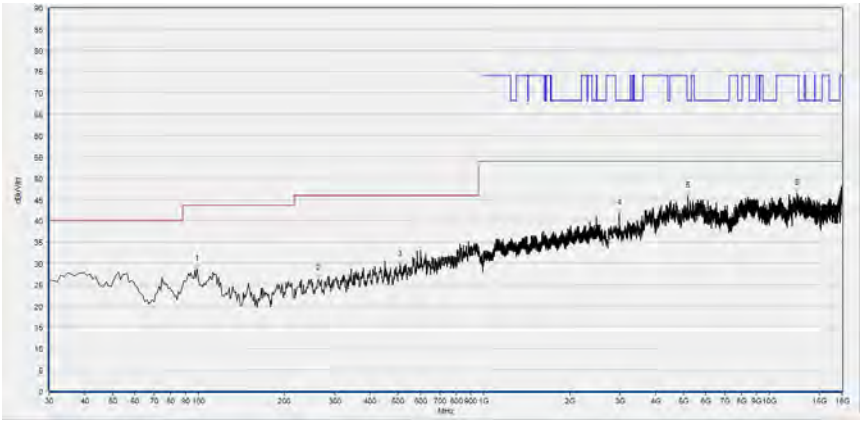
(Antenna Vertical, 30MHz to 18GHz)

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
94.084	26.05	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
230.020	24.42	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
415.475	27.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1388.930	35.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5662.132	44.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10344.669	45.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

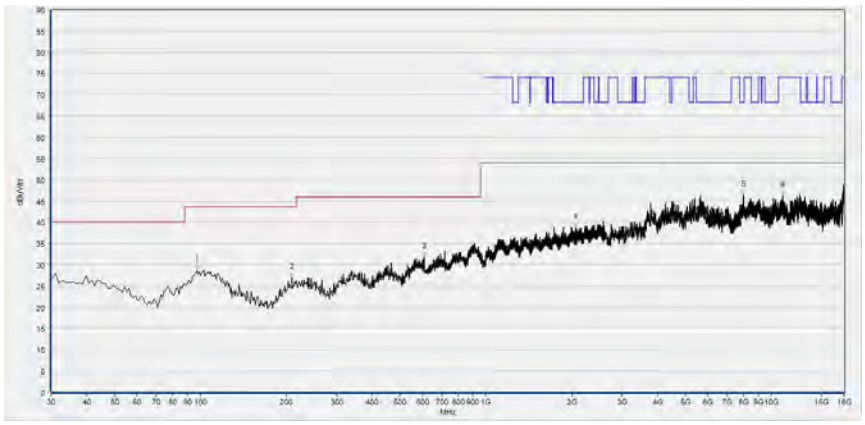
(Antenna Horizontal, 30MHz to 18GHz)



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
98.939	28.64	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
263.033	26.25	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
508.689	29.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2981.996	41.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5169.234	45.78	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12550.390	46.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

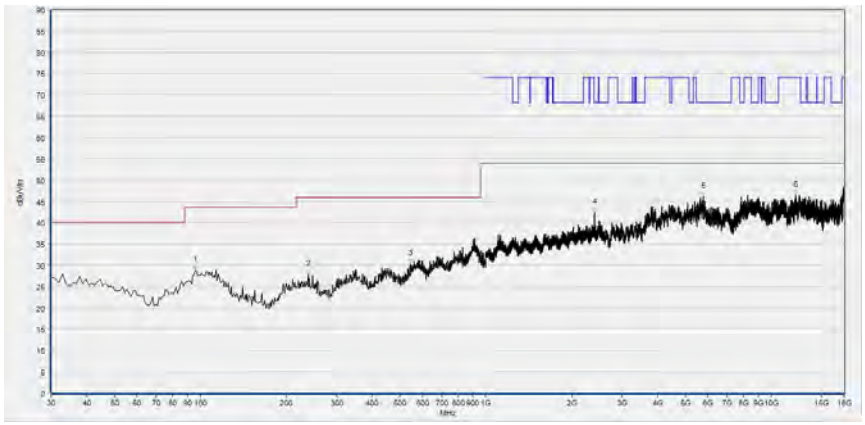
(Antenna Vertical, 30MHz to 18GHz)

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
96.997	28.62	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
209.630	26.97	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
608.699	31.87	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2060.087	38.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7969.514	46.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10957.712	46.26	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
96.026	28.79	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
238.759	27.90	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
545.586	30.32	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2402.067	42.44	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5773.035	46.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12159.152	46.49	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	±2.22dB
Power Spectral Density	±2.22dB
Bandwidth	±5%
Restricted Frequency Bands	±5%
Radiated Emission	±2.95dB
Conducted Emission	±2.44dB

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 C63.10-2013and 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 Analzyer	MY53470836	N9010A	Agilent	2021.03.25	2022.03.24
				2022.03.01	2023.02.28
USB Wideband Power Sensor	MY54180008	U2021XA	Agilent	2021.10.21	2022.10.20
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	2021.10.20	2022.10.19

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
				2022.03.03	2023.03.02
LISN	812744	NSLK 8127	Schwarzbeck	2021.03.09	2022.03.08
				2022.03.03	2023.03.02
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

4.4Radiated 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	S020180L3203	Tonscend	2021.07.16	2022.07.15
18-26.5GHz pre-Amplifier	46732	S10M100L3802	Tonscend	2021.07.16	2022.07.15
26-40GHz pre-Amplifier	56774	S40M400L4002	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