PSD NVNT ac80 5530MHz Ant1

PSD NVNT ac80 5610MHz Ant1

PSD NVNT ac80 5690MHz Ant1

PSD NVNT ac80 5775MHz Ant1

A.5. Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 4.45V	Carrier	5180	Ant1	5179.961	-39000	-7.53	25	Pass
20C 3.87V	Carrier	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 3.5V	Carrier	5180	Ant1	5179.959	-41000	-7.92	25	Pass
-20C 3.87V	Carrier	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-10C 3.87V	Carrier	5180	Ant1	5179.961	-39000	-7.53	25	Pass
0C 3.87V	Carrier	5180	Ant1	5179.961	-39000	-7.53	25	Pass
10C 3.87V	Carrier	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 3.87V	Carrier	5180	Ant1	5179.961	-39000	-7.53	25	Pass
40C 3.87V	Carrier	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 3.87V	Carrier	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 4.45V	Carrier	5260	Ant1	5259.961	-39000	-7.41	25	Pass
20C 3.87V	Carrier	5260	Ant1	5259.96	-40000	-7.6	25	Pass
20C 3.5V	Carrier	5260	Ant1	5259.961	-39000	-7.41	25	Pass
-20C 3.87V	Carrier	5260	Ant1	5259.961	-39000	-7.41	25	Pass
-10C 3.87V	Carrier	5260	Ant1	5259.96	-40000	-7.6	25	Pass
0C 3.87V	Carrier	5260	Ant1	5259.961	-39000	-7.41	25	Pass
10C 3.87V	Carrier	5260	Ant1	5259.96	-40000	-7.6	25	Pass
30C 3.87V	Carrier	5260	Ant1	5259.96	-40000	-7.6	25	Pass
40C 3.87V	Carrier	5260	Ant1	5259.96	-40000	-7.6	25	Pass
50C 3.87V	Carrier	5260	Ant1	5259.96	-40000	-7.6	25	Pass
20C 4.45V	Carrier	5500	Ant1	5499.964	-36000	-6.55	25	Pass
20C 3.87V	Carrier	5500	Ant1	5499.963	-37000	-6.73	25	Pass
20C 3.5V	Carrier	5500	Ant1	5499.964	-36000	-6.55	25	Pass
-20C 3.87V	Carrier	5500	Ant1	5499.963	-37000	-6.73	25	Pass
-10C 3.87V	Carrier	5500	Ant1	5499.963	-37000	-6.73	25	Pass
0C 3.87V	Carrier	5500	Ant1	5499.963	-37000	-6.73	25	Pass
10C 3.87V	Carrier	5500	Ant1	5499.964	-36000	-6.55	25	Pass
30C 3.87V	Carrier	5500	Ant1	5499.963	-37000	-6.73	25	Pass

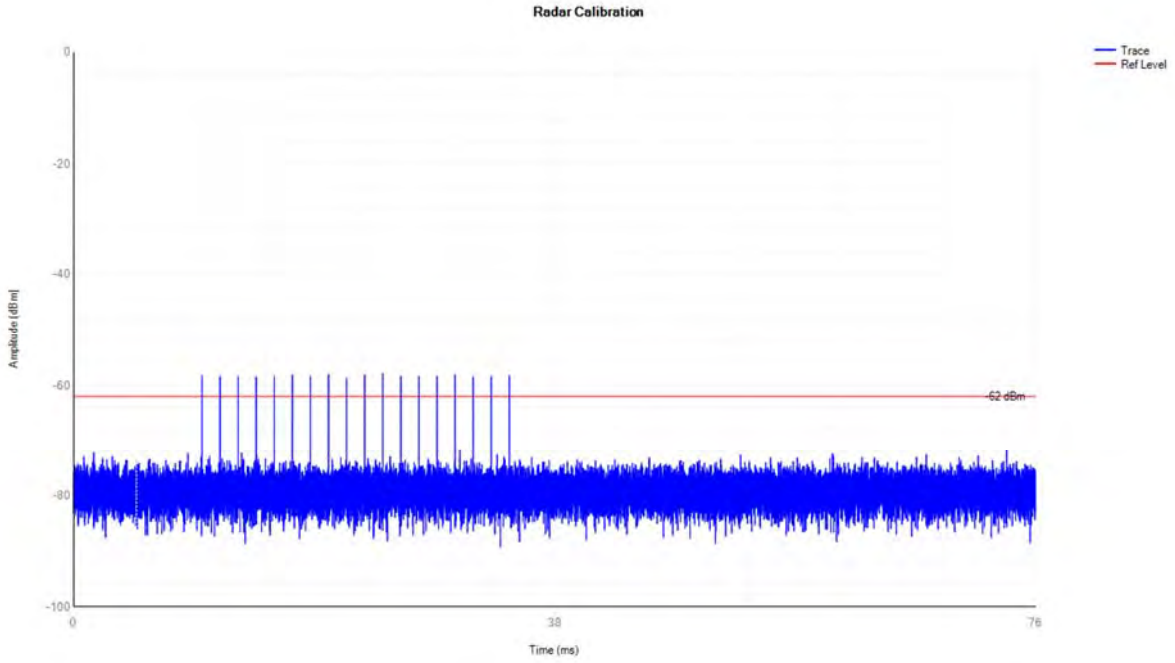
40C 3.87V	Carrier	5500	Ant1	5499.963	-37000	-6.73	25	Pass
50C 3.87V	Carrier	5500	Ant1	5499.963	-37000	-6.73	25	Pass
20C 4.45V	Carrier	5745	Ant1	5744.956	-44000	-7.66	25	Pass
20C 3.87V	Carrier	5745	Ant1	5744.956	-44000	-7.66	25	Pass
20C 3.5V	Carrier	5745	Ant1	5744.956	-44000	-7.66	25	Pass
-20C 3.87V	Carrier	5745	Ant1	5744.956	-44000	-7.66	25	Pass
-10C 3.87V	Carrier	5745	Ant1	5744.956	-44000	-7.66	25	Pass
0C 3.87V	Carrier	5745	Ant1	5744.956	-44000	-7.66	25	Pass
10C 3.87V	Carrier	5745	Ant1	5744.956	-44000	-7.66	25	Pass
30C 3.87V	Carrier	5745	Ant1	5744.956	-44000	-7.66	25	Pass
40C 3.87V	Carrier	5745	Ant1	5744.956	-44000	-7.66	25	Pass
50C 3.87V	Carrier	5745	Ant1	5744.956	-44000	-7.66	25	Pass

A.6. Dynamic Frequency Selection

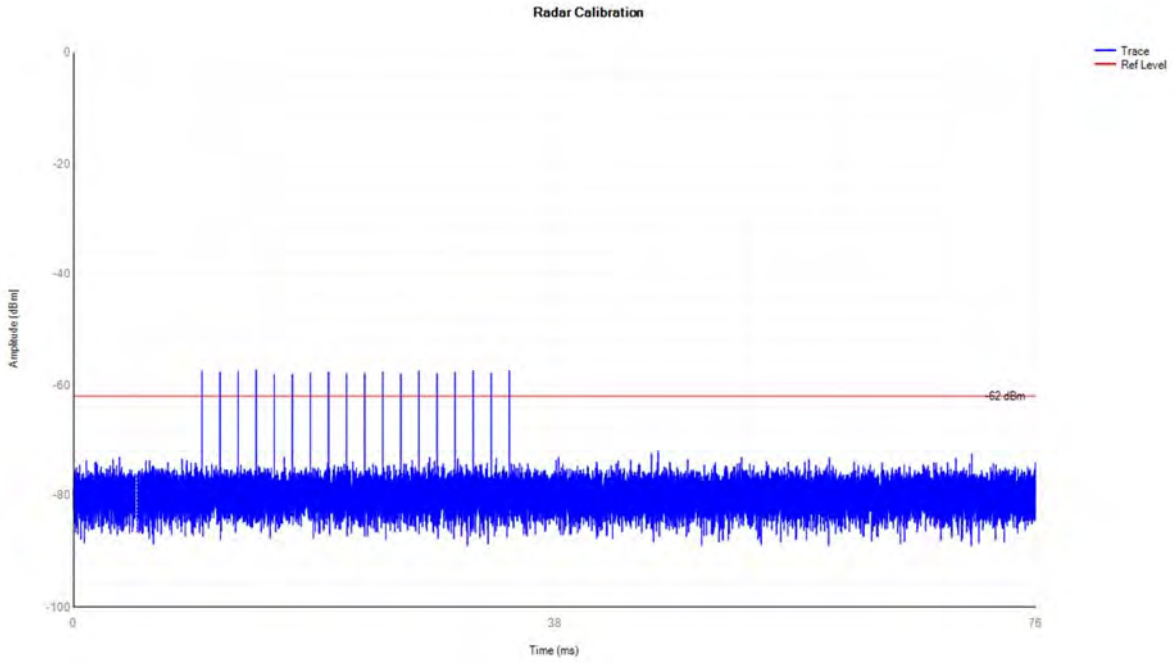
Detection Thresholds

Mode	Frequency (MHz)	Type	Result	Verdict
a	5320	DFS_FCC_T0	See test Graph	PASS
a	5500	DFS_FCC_T0	See test Graph	PASS
ac80	5290	DFS_FCC_T0	See test Graph	PASS
ac80	5530	DFS_FCC_T0	See test Graph	PASS

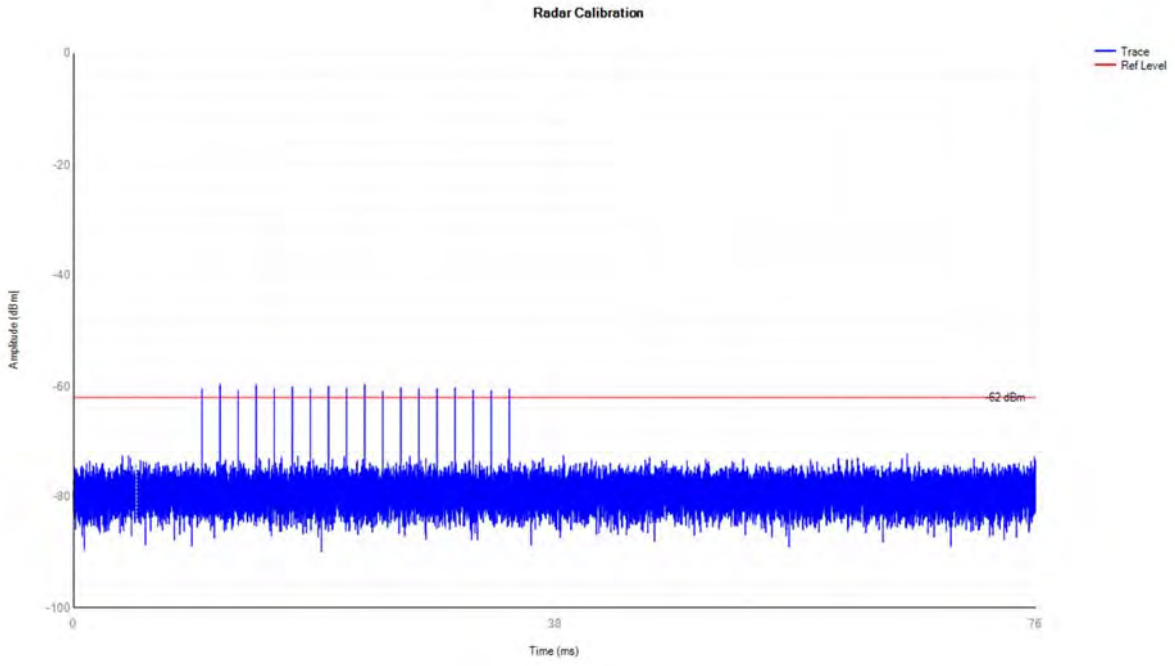
Test Graphs
5320MHz DFS_FCC_T0



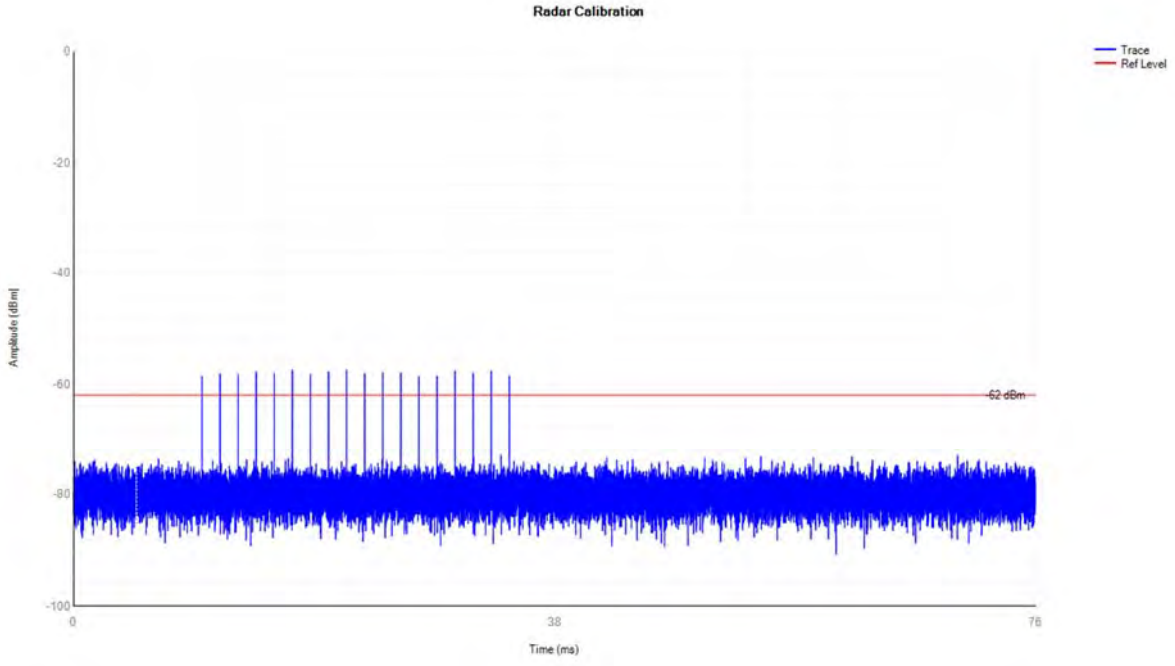
5500MHz DFS_FCC_T0



5290MHz DFS_FCC_T0



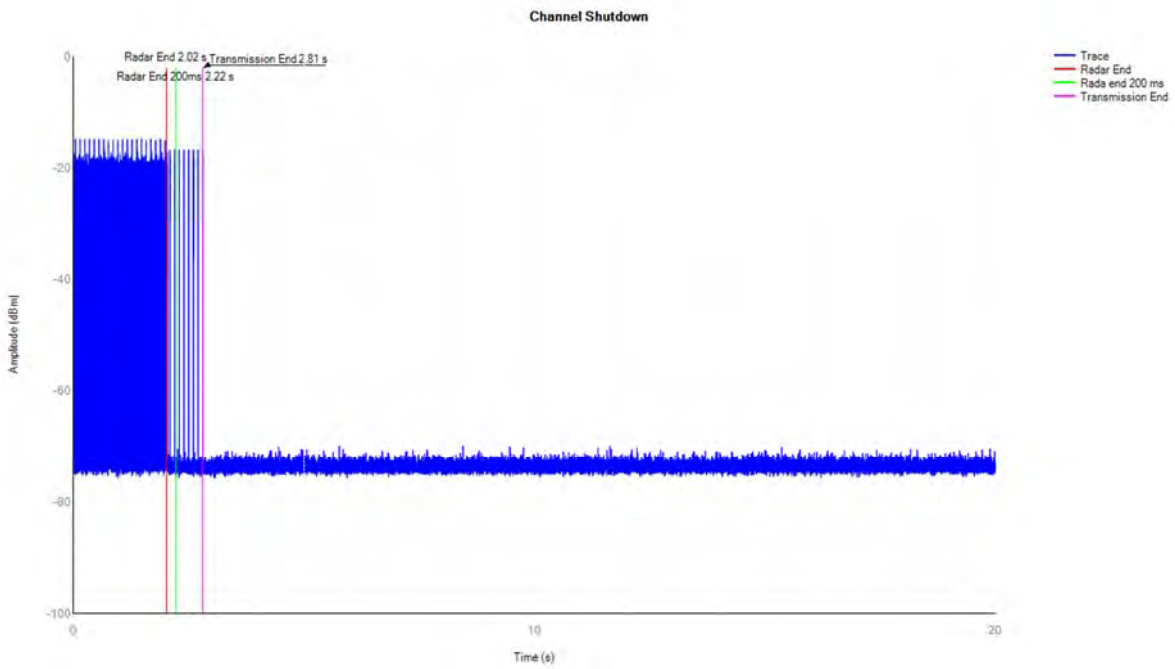
5530MHz DFS_FCC_T0



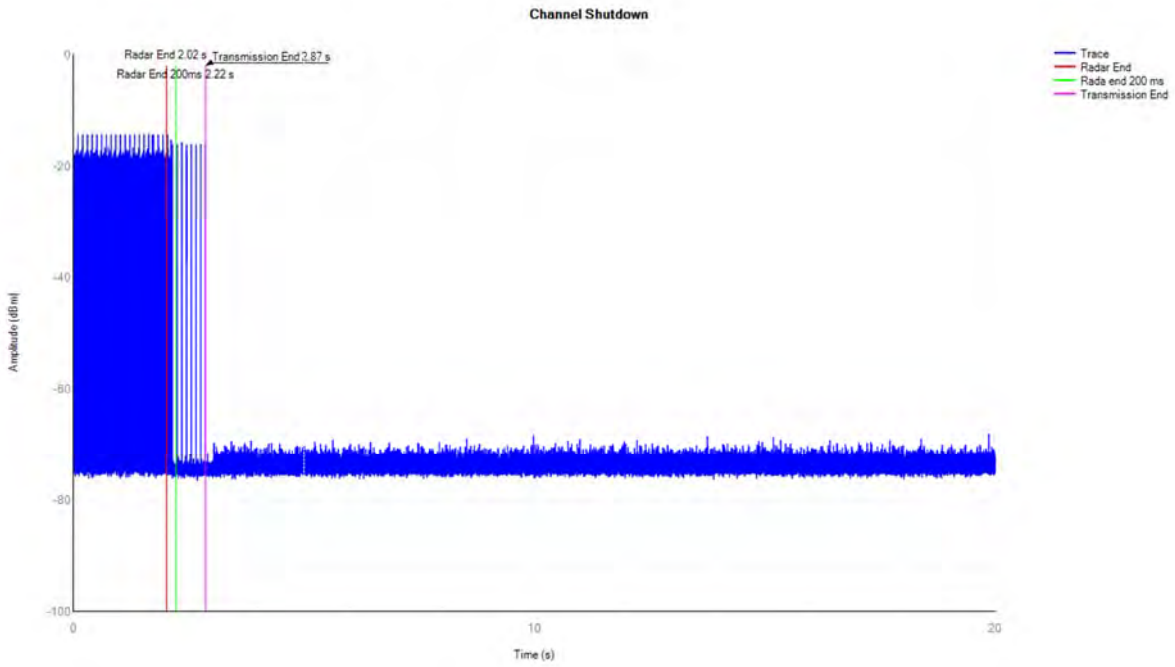
Channel Move Time and Channel Closing Transmission Time

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
a	5320	0.785	10	0.024	0.26	0.012	0.06	Pass
a	5500	0.842	10	0.079	0.26	0.014	0.06	Pass
ac80	5290	0.86	10	0.039	0.26	0.009	0.06	Pass
ac80	5530	0.946	10	0.096	0.26	0.01	0.06	Pass

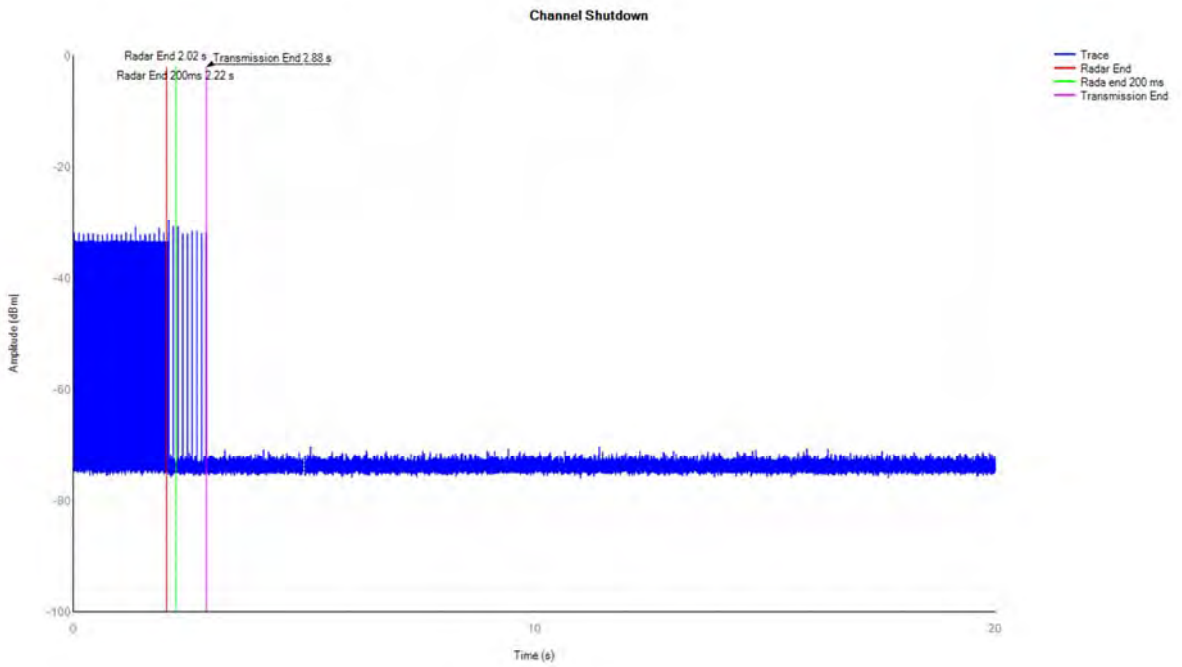
Test Graphs
a 5320MHz Shutdown



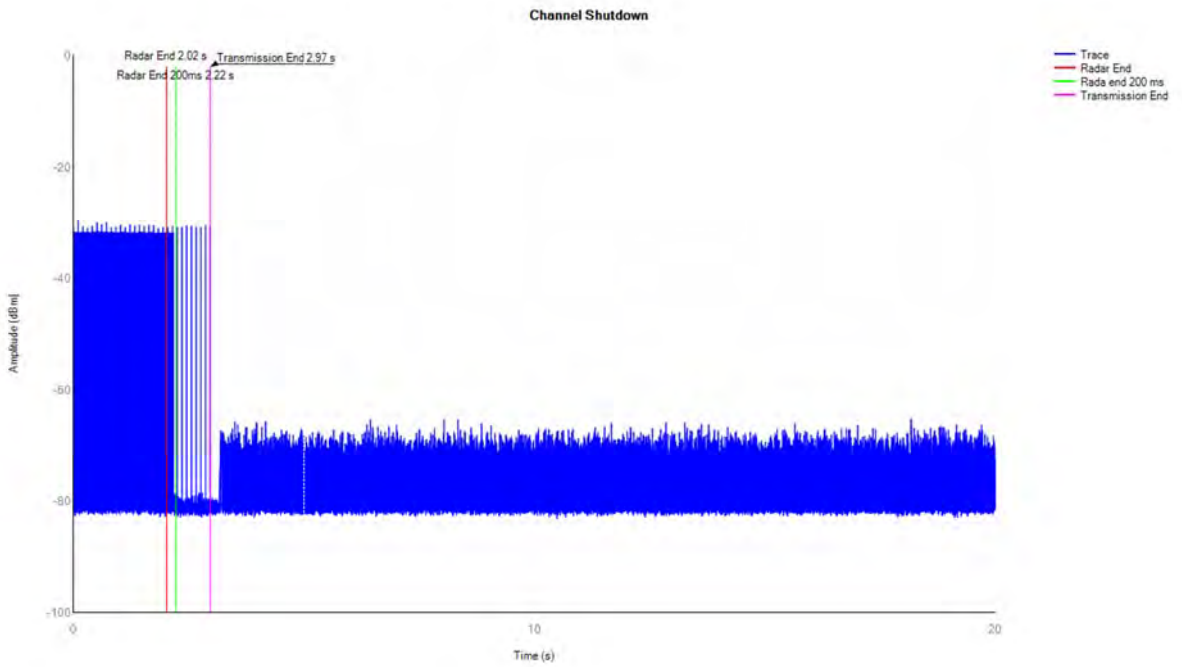
a 5500MHz Shutdown



ac80 5290MHz Shutdown



ac80 5530MHz Shutdown



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

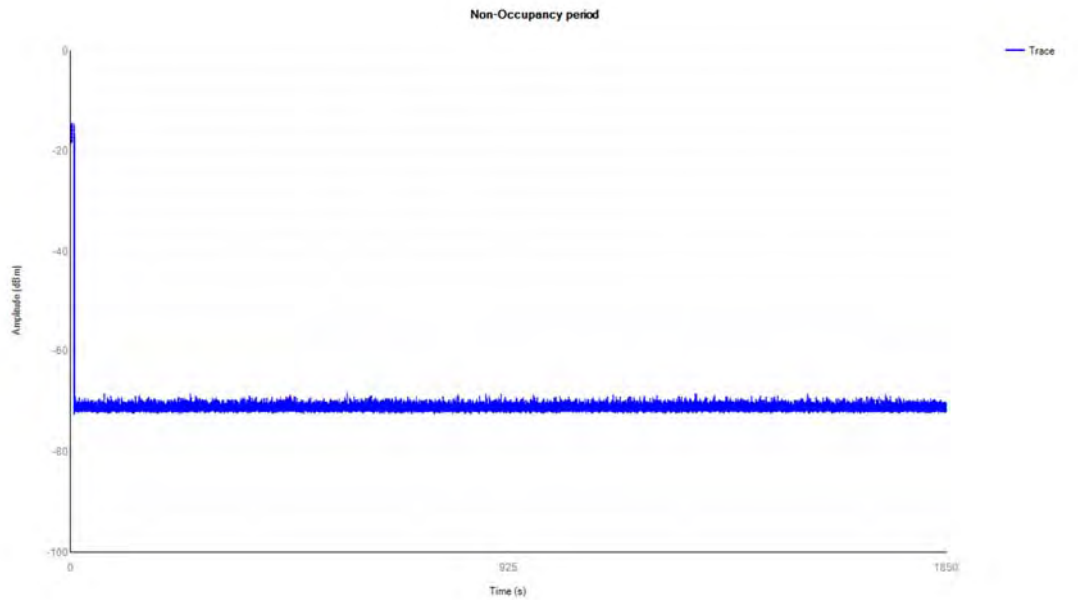
Channel Move Time and Channel Closing Transmission Time

Non-Occupancy Period

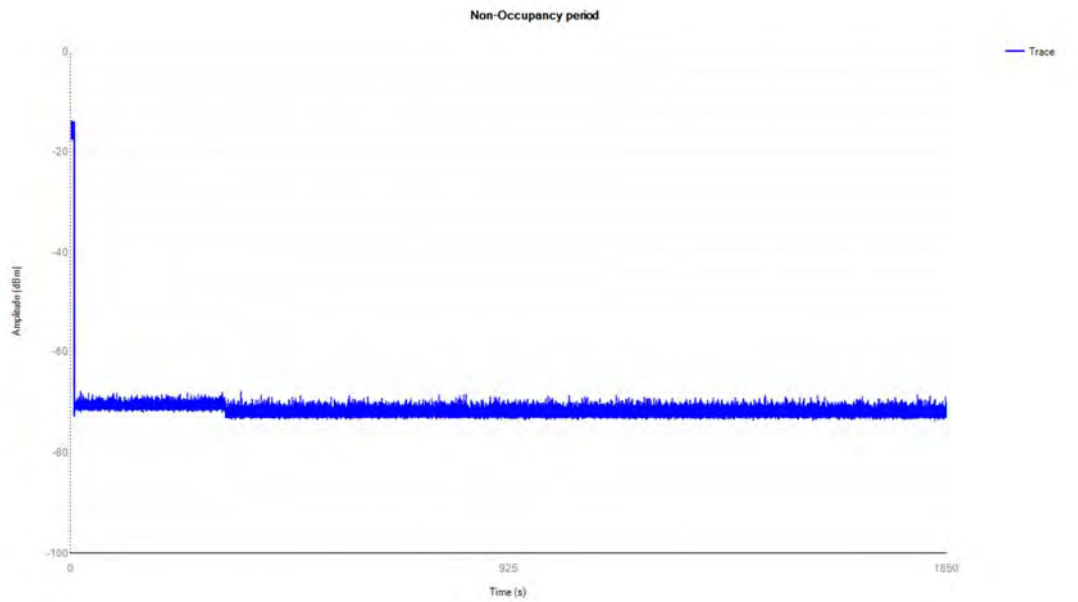
Mode	Frequency (MHz)	Result	Verdict
a	5320	See test Graph	Pass
a	5500	See test Graph	Pass

Test Graphs

a 5320MHz Non-Occupancy



a 5500MHz Non-Occupancy



A.7. Conducted Emission

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

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

A. Test Setup:

Test Mode: EUT + PC+PC Adapter + WIFI TX

Test voltage: AC 120V/60Hz

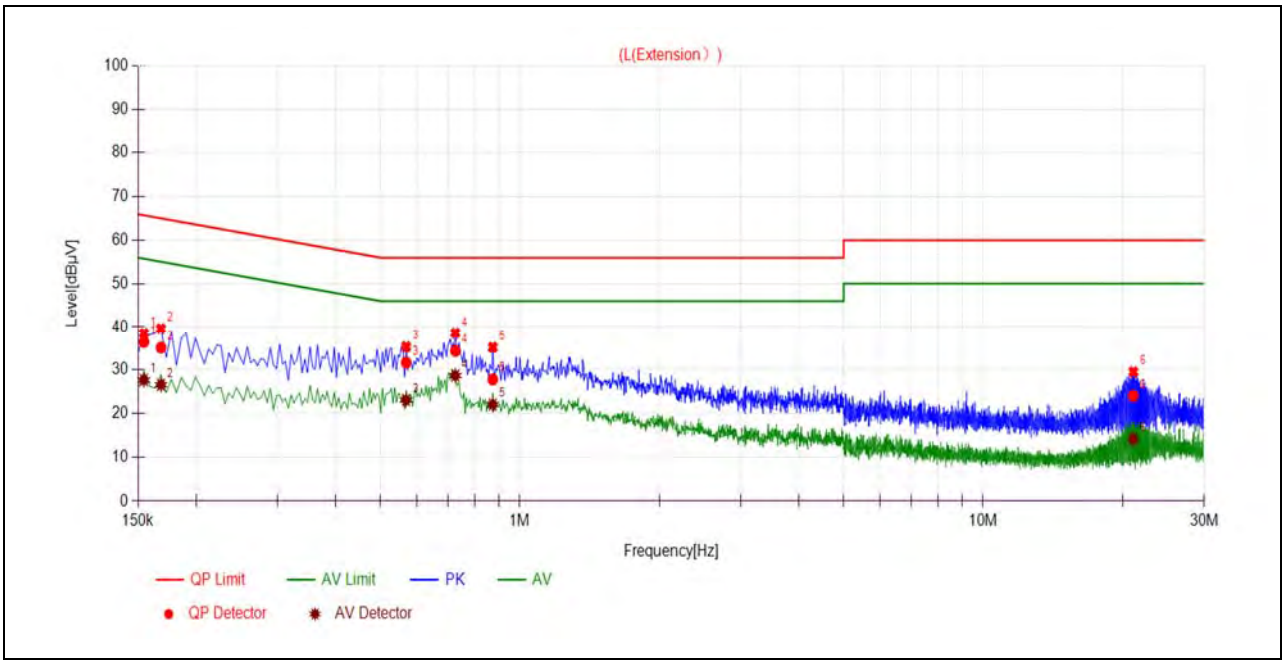
The measurement results are obtained as below:

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

U_R: Receiver Reading

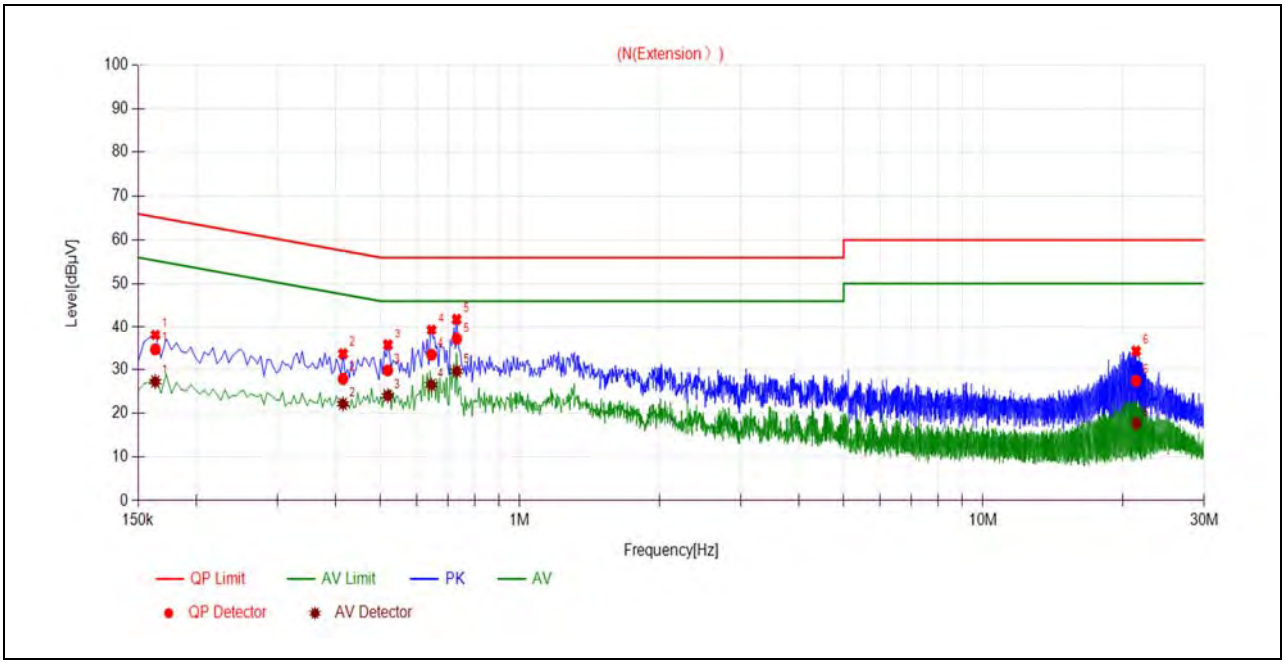
A_{Factor}: Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1544	36.44	27.65	65.76	55.76	Line	PASS
2	0.1681	35.12	26.55	65.05	55.05		PASS
3	0.5684	31.68	23.07	56.00	46.00		PASS
4	0.7259	34.39	28.68	56.00	46.00		PASS
5	0.8743	27.80	22.03	56.00	46.00		PASS
6	21.0892	24.04	14.11	60.00	50.00		PASS



(N Phase)

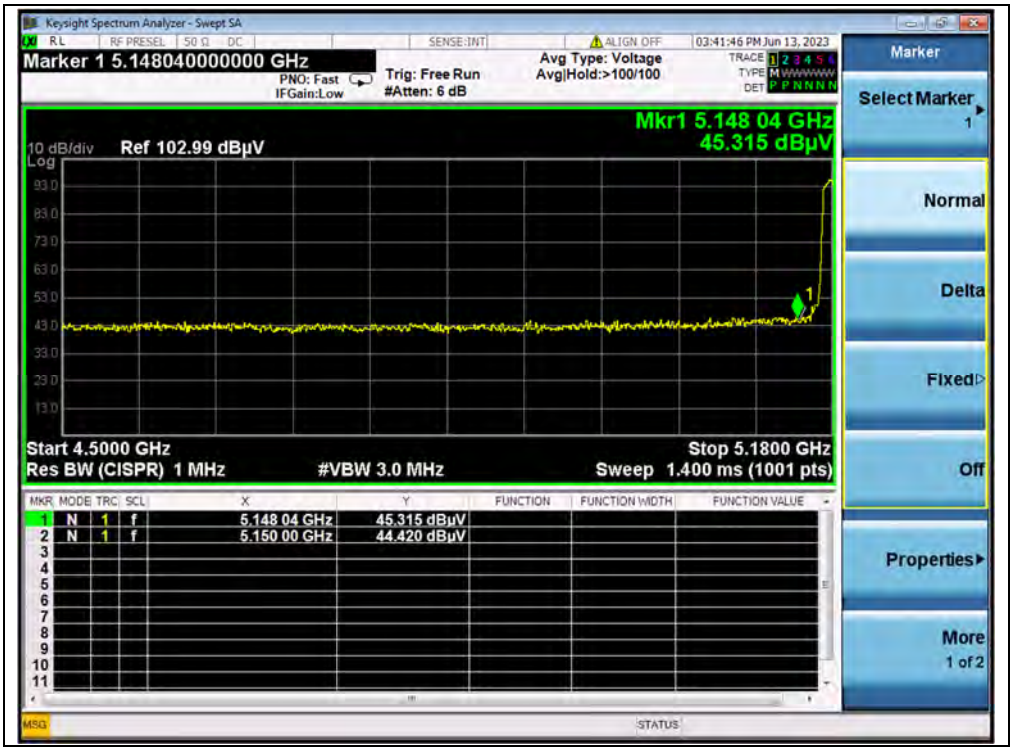
No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1634	34.70	27.25	65.29	55.29	Neutral	PASS
2	0.4153	27.89	22.13	57.54	47.54		PASS
3	0.5187	29.85	23.98	56.00	46.00		PASS
4	0.6446	33.46	26.52	56.00	46.00		PASS
5	0.7312	37.12	29.67	56.00	46.00		PASS
6	21.3947	27.44	17.62	60.00	50.00		PASS

A.8. Restricted Frequency Bands

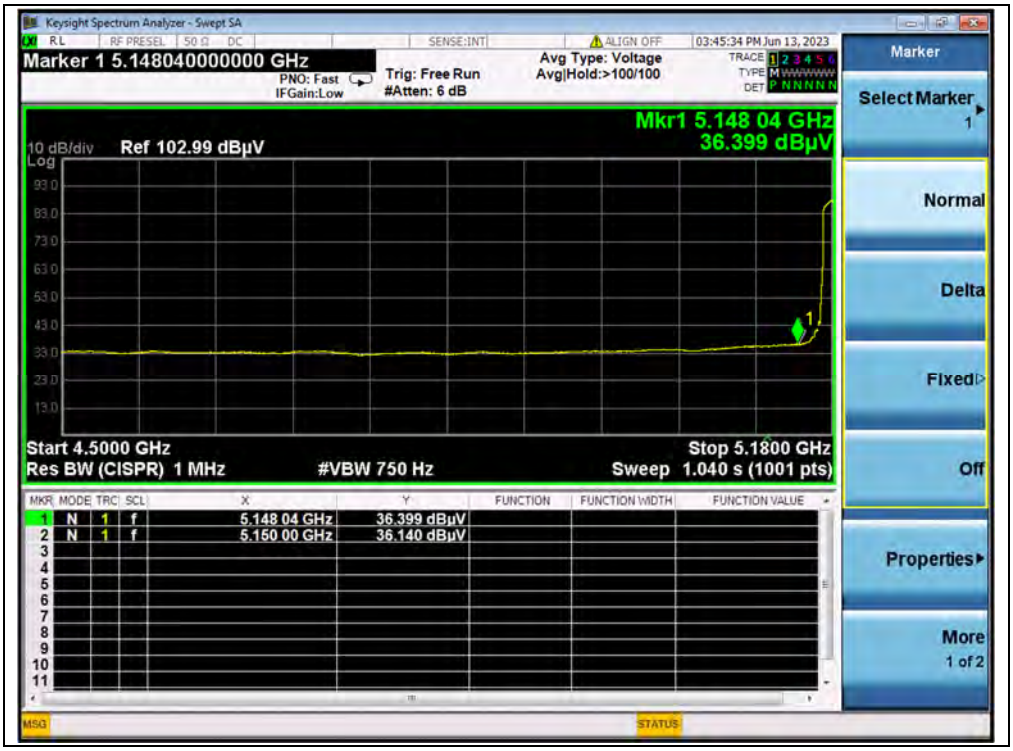
The lowest and highest channels are tested to verify the Restricted Frequency Bands.
The measurement results are obtained as below:
E [dBμV/m] $=U_R + A_T + A_{Factor}$ [dB]; $A_T = L_{Cable\ loss}$ [dB]-G_{preamp} [dB]
A_T: Total correction Factor except Antenna
U_R: Receiver Reading
G_{preamp}: Preamplifier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

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	5148.04	PK	45.32	-19.54	32.20	57.98	74	PASS
36	5148.04	AV	36.40	-19.54	32.20	49.06	54	PASS
64	5367.32	PK	45.23	-18.80	32.20	58.63	74	PASS
64	5350.00	AV	35.30	-18.80	32.20	48.70	54	PASS
100	5181.00	PK	45.88	-19.20	32.20	58.88	68.23	PASS
100	5460.00	AV	34.36	-19.20	32.20	47.36	54	PASS
144	5725.00	PK	55.03	-19.20	32.20	68.03	68.23	PASS
149	5725.00	PK	64.25	-19.01	32.20	77.44	122.23	PASS
165	5853.25	PK	47.50	-19.01	32.20	60.69	115.76	PASS

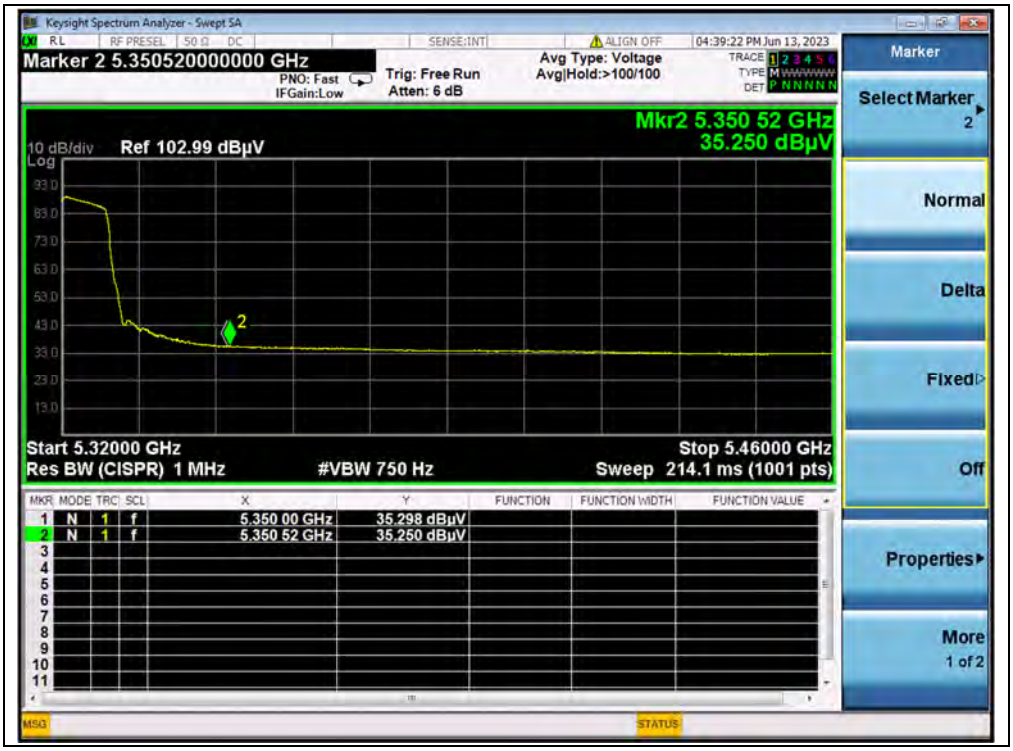


(PEAK, Channel 36, 802.11a)

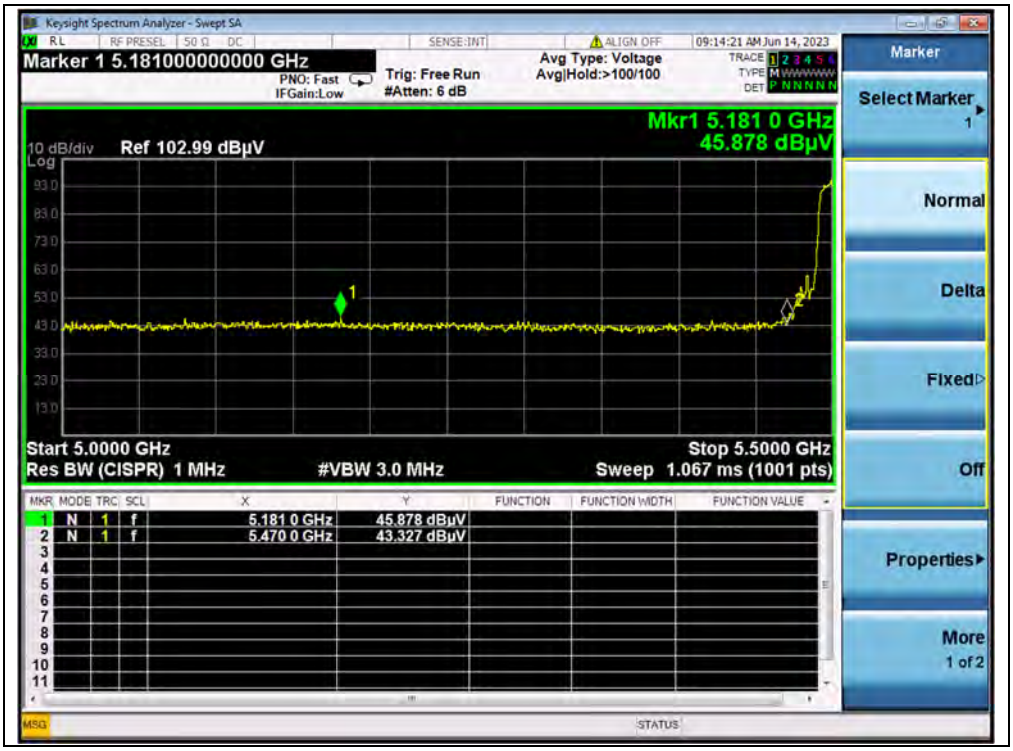


(AVERAGE, Channel 36, 802.11a)

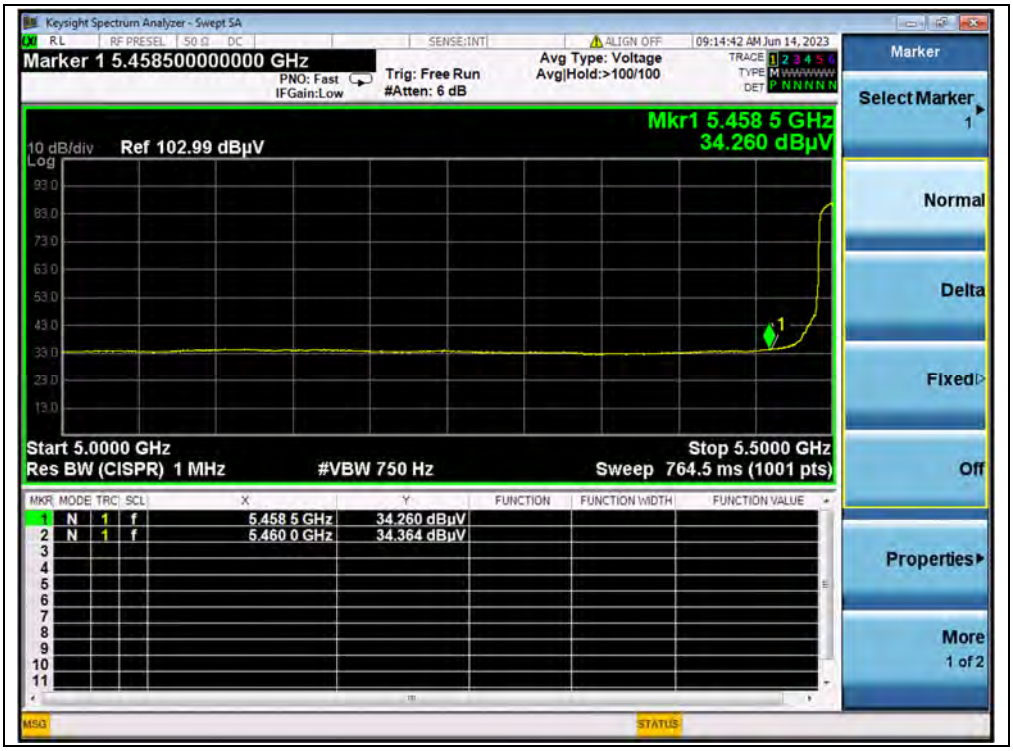
(PEAK, Channel 64, 802.11a)



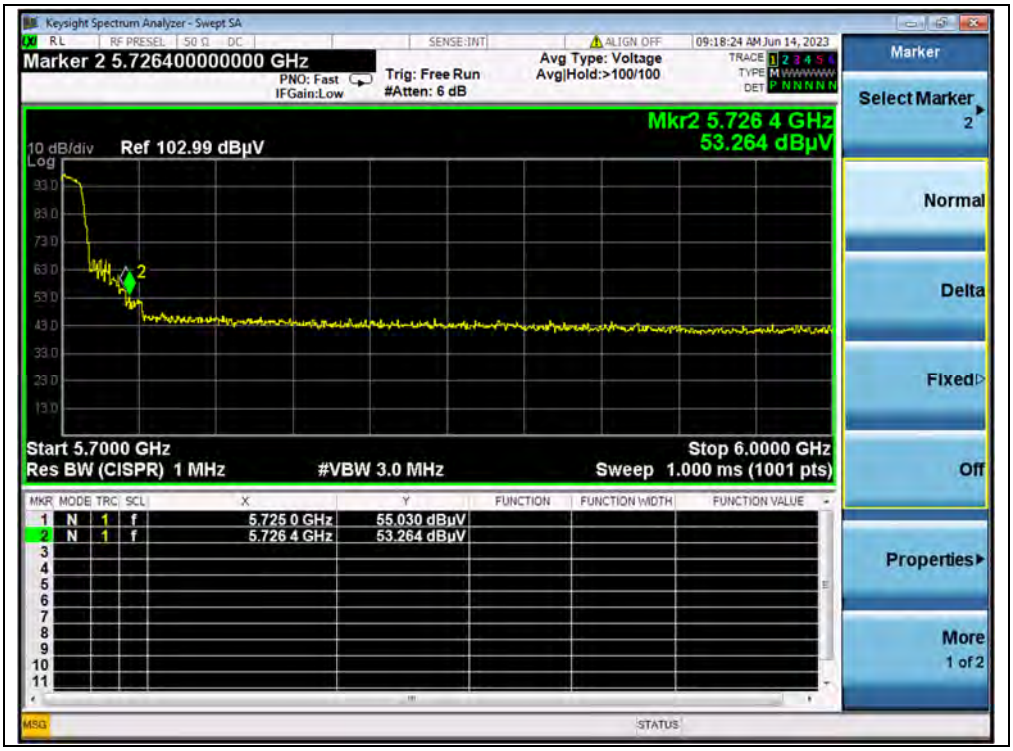
(AVERAGE, Channel 64, 802.11a)



(PEAK, Channel 100, 802.11a)



(AVERAGE, Channel 100, 802.11a)



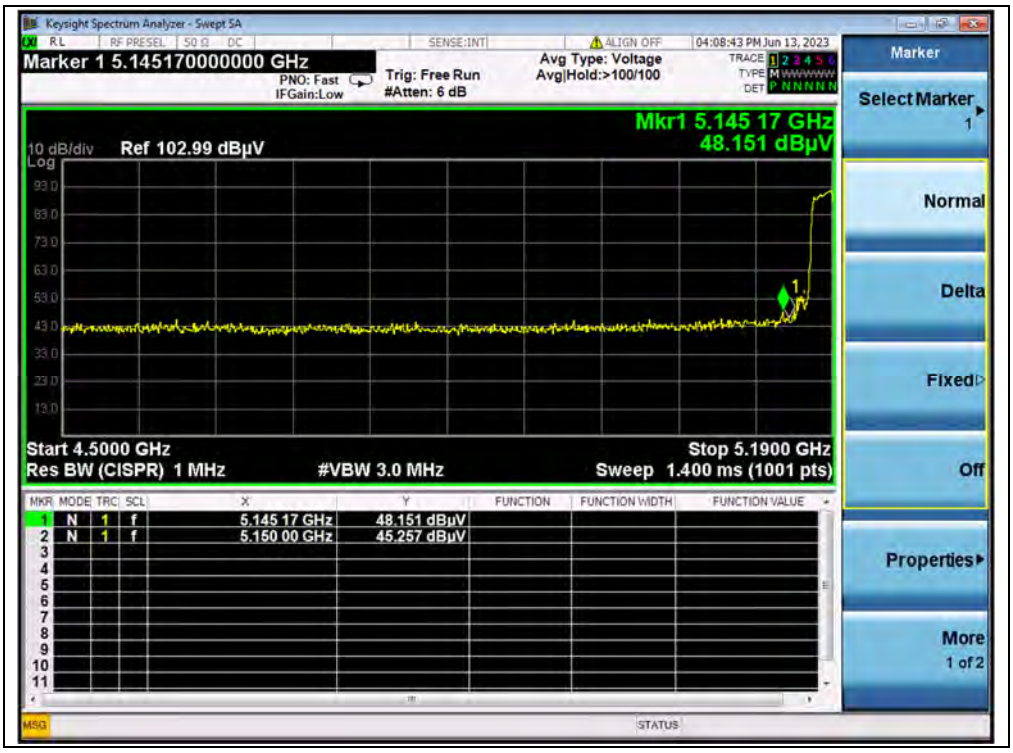
(PEAK, Channel 144, 802.11a)

(PEAK, Channel 149, 802.11a)

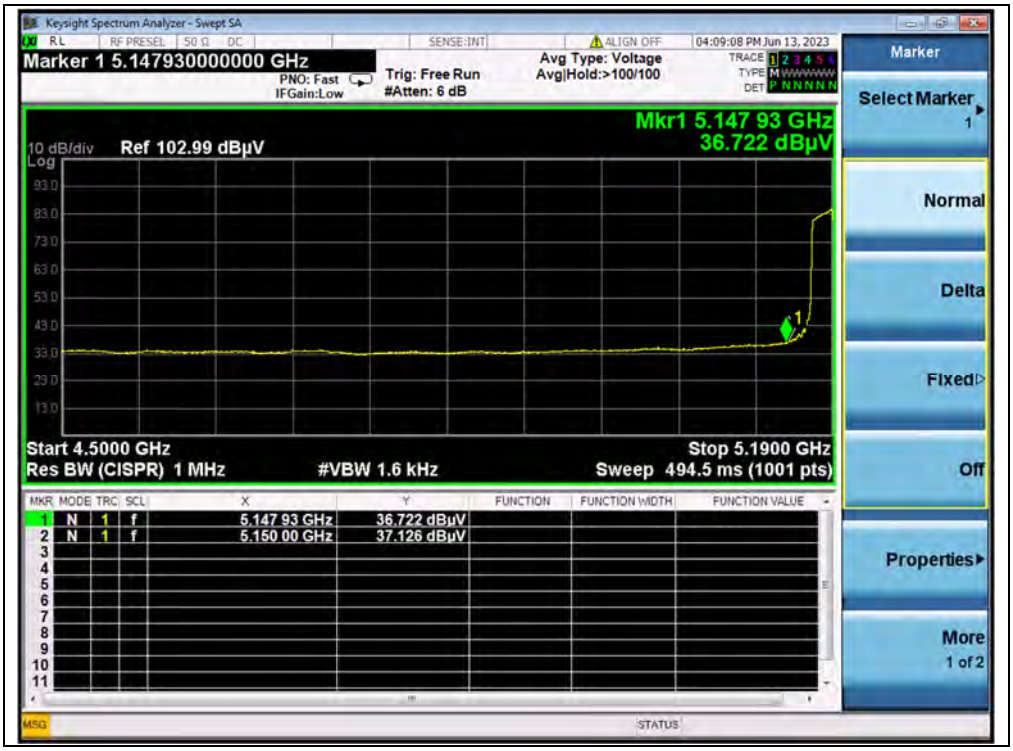
(PEAK, Channel 165, 802.11a)

802.11n (HT40) Mode

Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
38	5145.17	PK	48.15	-19.54	32.20	60.81	74	PASS
38	5150.00	AV	37.13	-19.54	32.20	49.79	54	PASS
62	5350.95	PK	52.34	-18.80	32.20	65.74	74	PASS
62	5350.00	AV	35.57	-18.80	32.20	48.97	54	PASS
102	5469.20	PK	52.17	-19.20	32.20	65.17	68.23	PASS
102	5460.00	AV	34.24	-19.20	32.20	47.24	54	PASS
142	5738.61	PK	52.95	-19.20	32.20	65.95	68.23	PASS
151	5725.00	PK	62.24	-19.01	32.20	75.43	122.23	PASS
159	5850.00	PK	47.61	-19.01	32.20	60.80	122.23	PASS

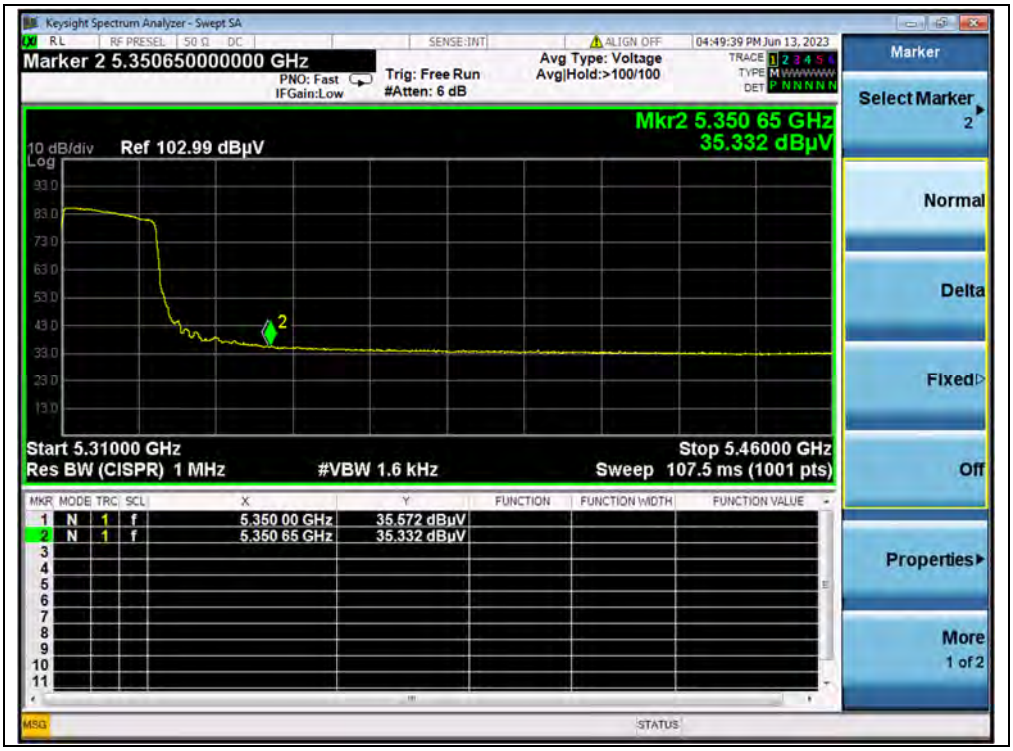


(PEAK, Channel 38, 802.11n (HT40))

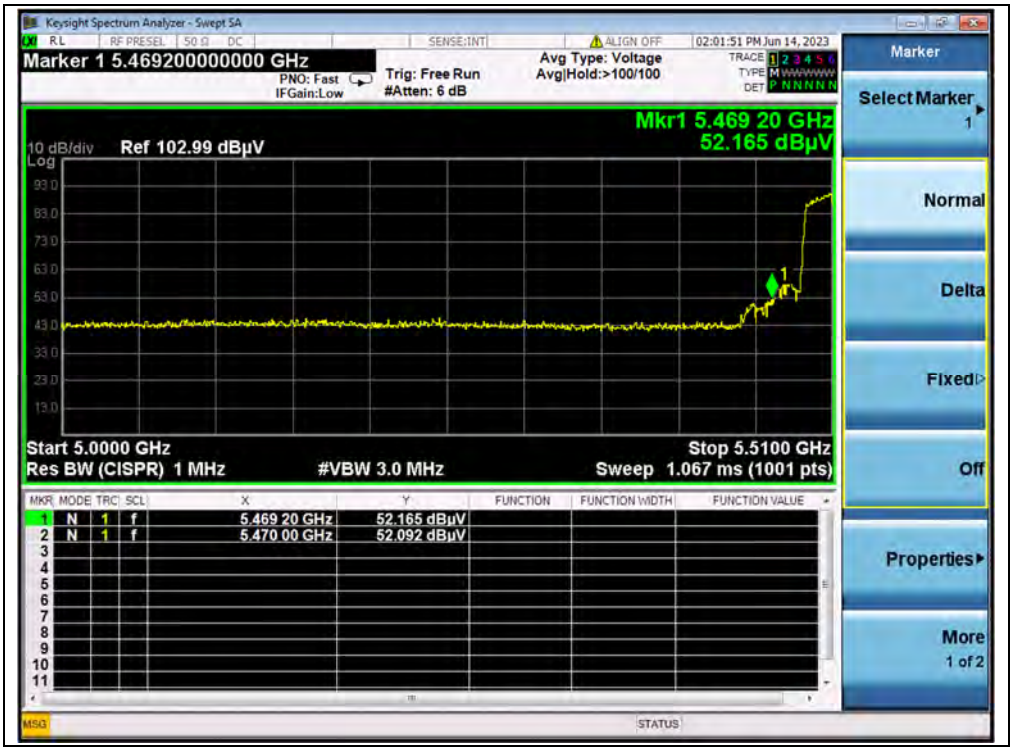


(AVERAGE, Channel 38, 802.11n (HT40))

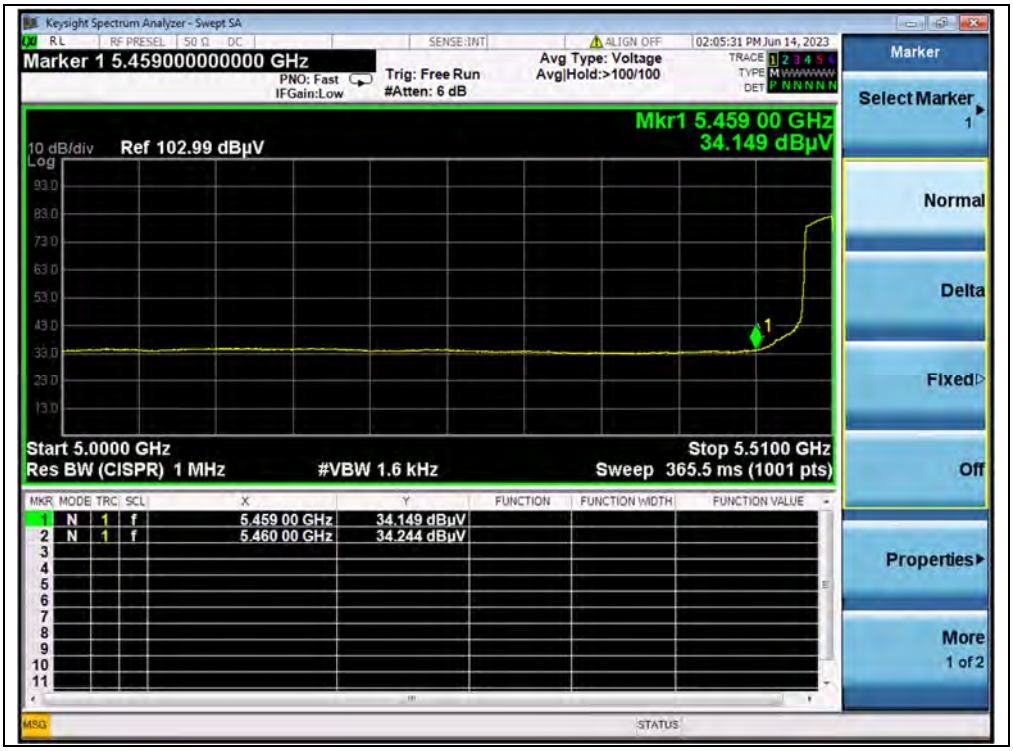
(PEAK, Channel 62, 802.11n (HT40))



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



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



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

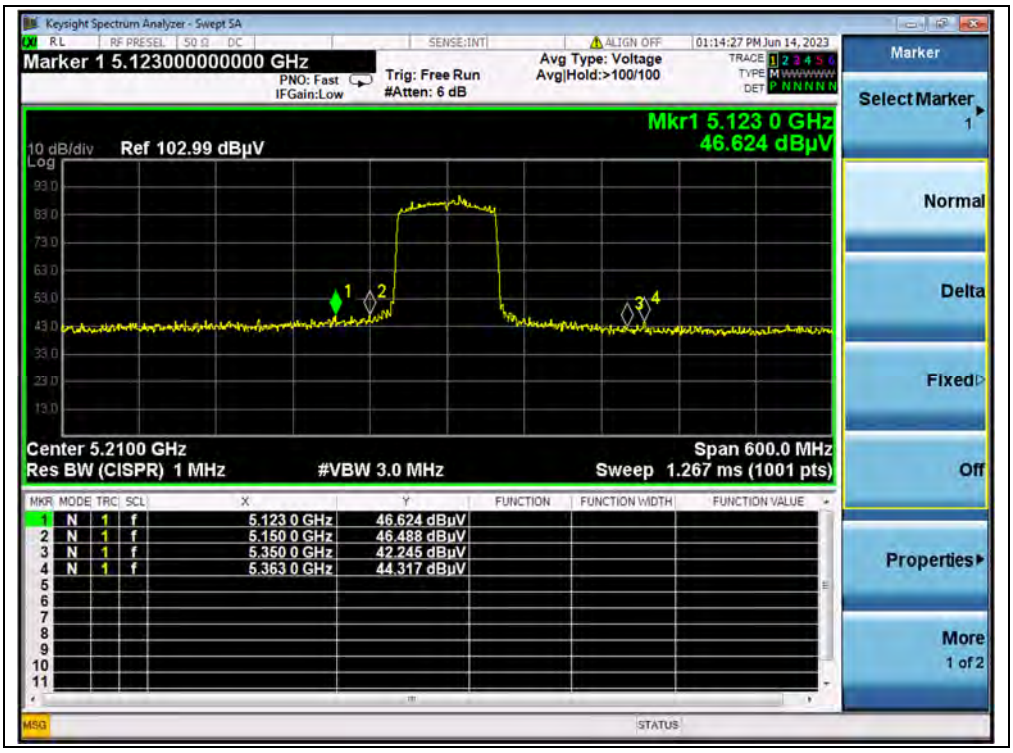
(PEAK, Channel 142, 802.11n (HT40))

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

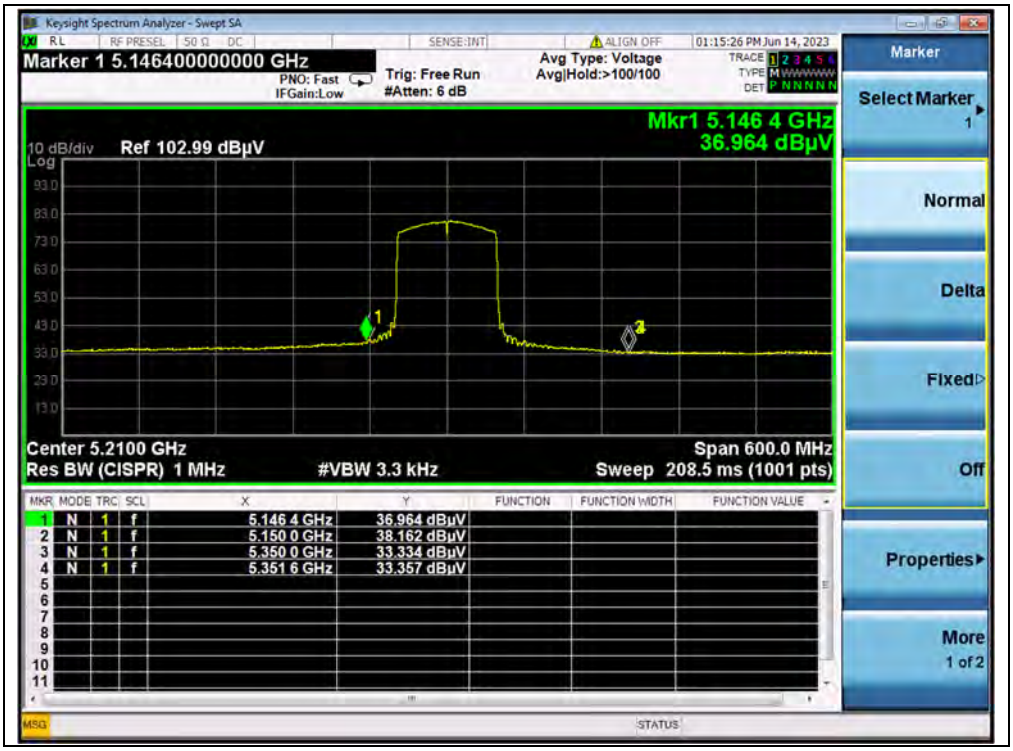
(PEAK, Channel 159, 802.11n (HT40))

802.11ac (VHT80) Mode

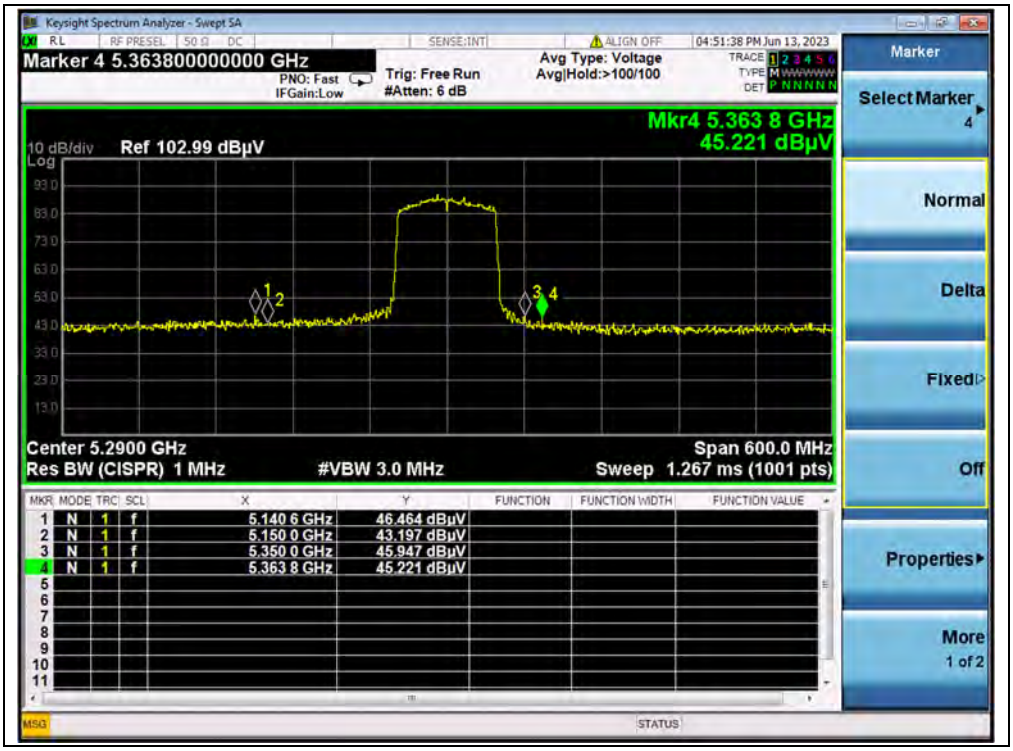
Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
42	5123.00	PK	46.62	-19.54	32.20	59.28	74	PASS
42	5150.00	AV	38.16	-19.54	32.20	50.82	54	PASS
58	5140.60	PK	46.46	-18.80	32.20	59.86	74	PASS
58	5350.00	AV	37.10	-18.80	32.20	50.50	54	PASS
106	5470.00	PK	45.78	-19.20	32.20	58.78	68.23	PASS
106	5457.92	AV	36.22	-19.20	32.20	49.22	54	PASS
138	5747.67	PK	45.31	-19.20	32.20	58.31	68.23	PASS
155	5725.00	PK	52.57	-19.01	32.20	65.76	122.23	PASS
155	5850.00	PK	47.56	-19.01	32.20	60.75	122.23	PASS



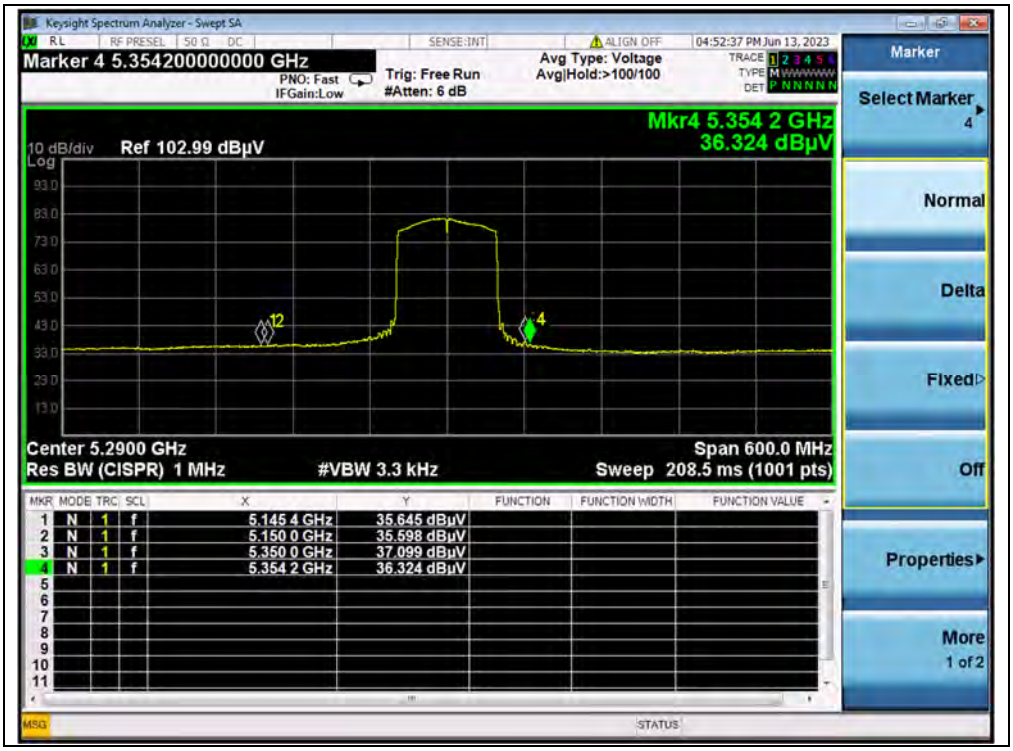
(PEAK, Channel 42, 802.11ac (VHT80))



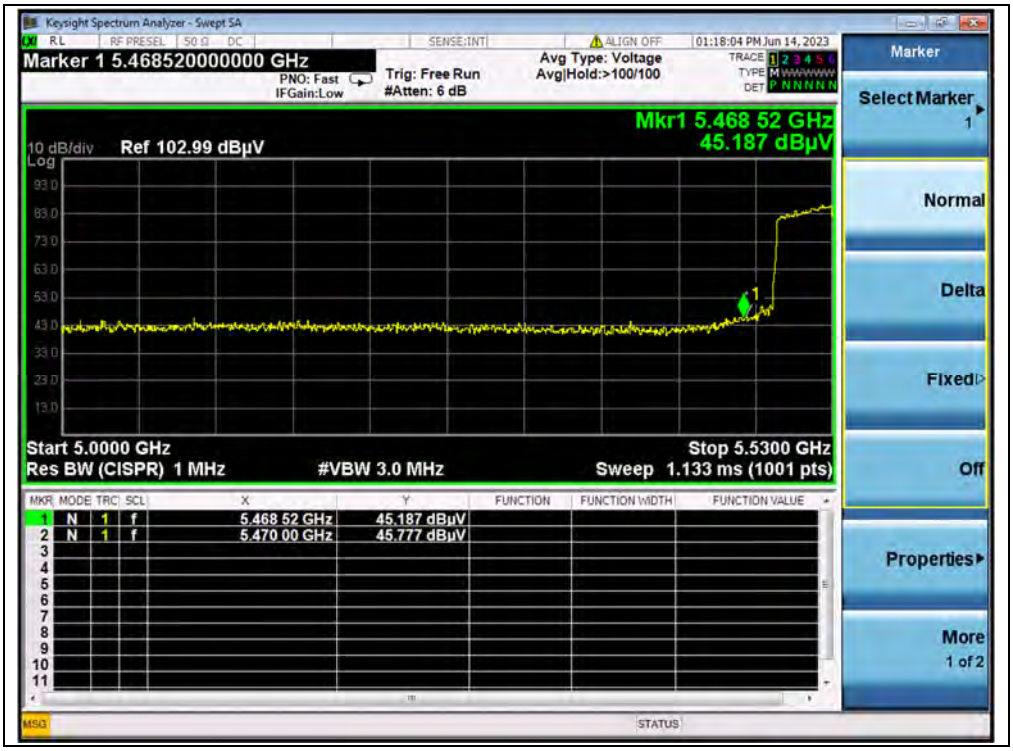
(AVERAGE, Channel 42, 802.11ac (VHT80))



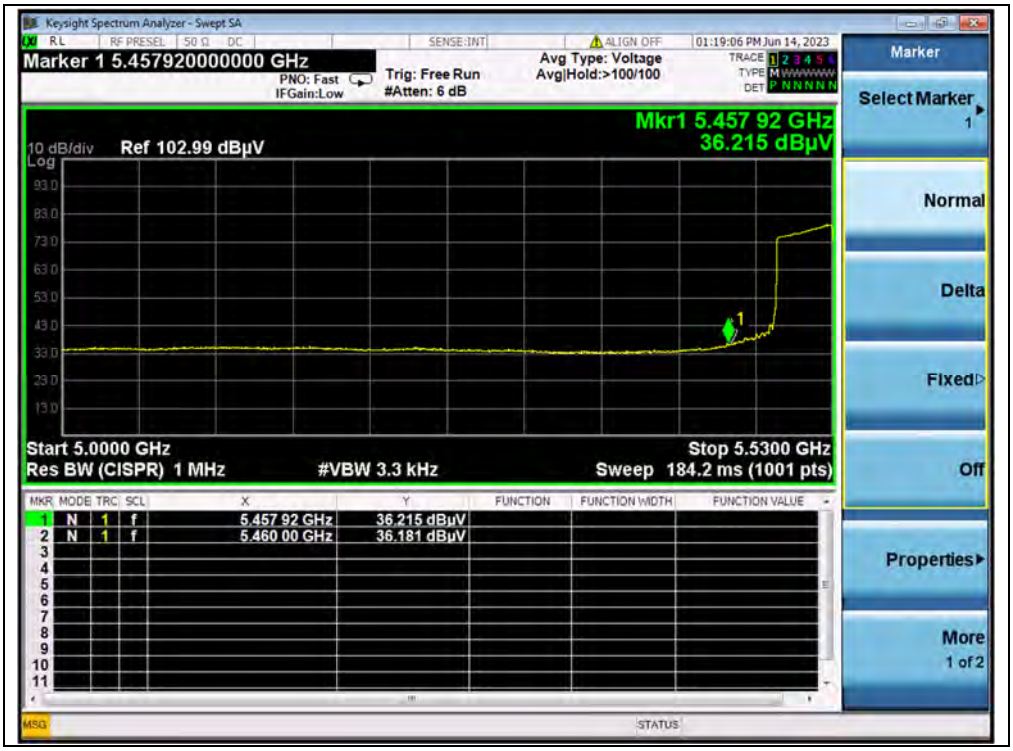
(PEAK, Channel 58, 802.11ac (VHT80))



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



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



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

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

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

A.9. Radiated Emission

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak (or average) limit, it is unnecessary to perform an quasi-peak measurement (or average).

The measurement results are obtained as below:

E [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

During the test, the total correction Factor A_T and A_{Factor} were built in test software.

Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

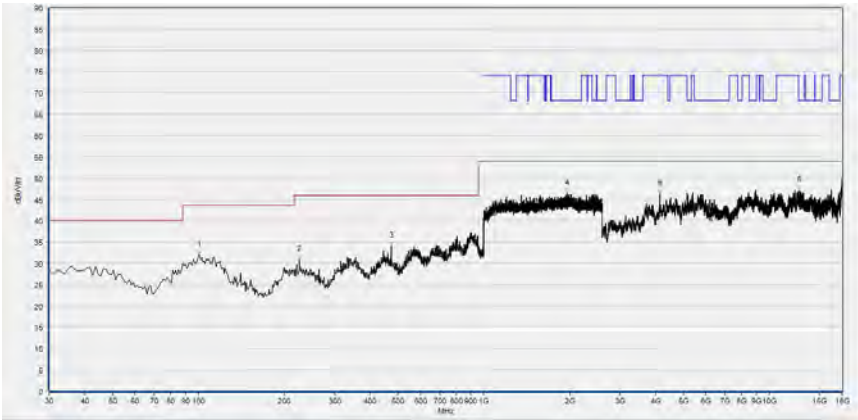
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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

Note 4: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

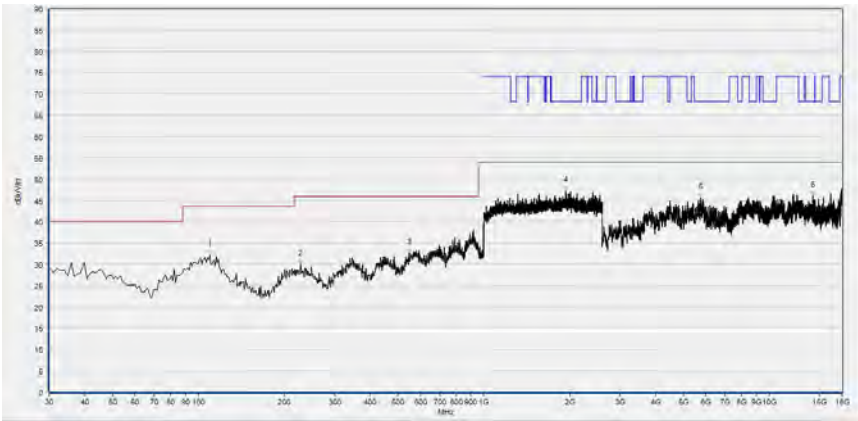
802.11a Mode

Plot for Channel 36



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	32.09	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
225.940	30.76	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
473.290	34.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1961.600	46.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4130.760	46.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12736.280	47.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

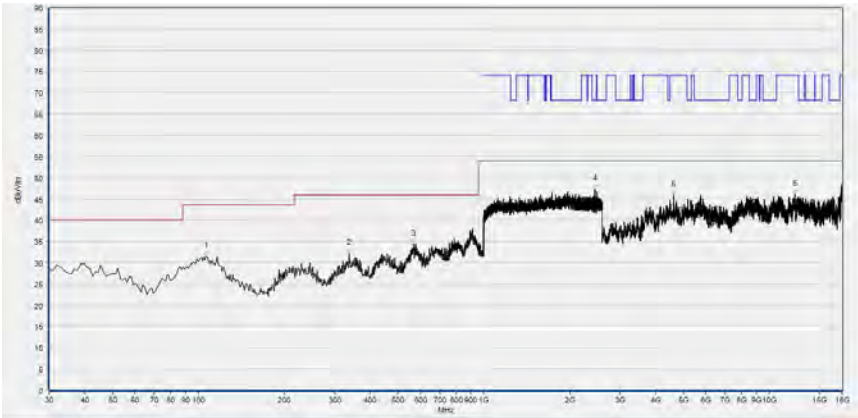
(Antenna Horizontal, 30MHz to 18GHz)



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
109.540	32.19	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
227.880	30.05	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
547.980	32.69	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1937.067	47.25	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5753.920	45.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14174.640	46.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

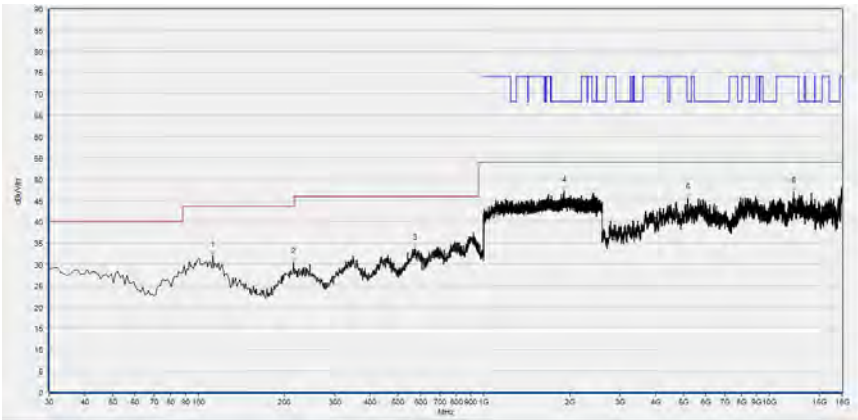
(Antenna Vertical, 30MHz to 18GHz)

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
106.630	31.54	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
337.490	32.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
567.380	34.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2450.133	47.33	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4632.800	45.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12302.000	46.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

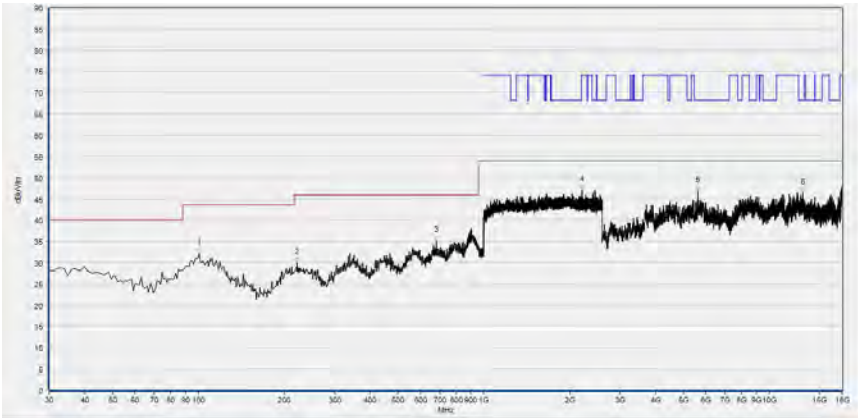
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.450	32.05	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
215.270	30.56	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
575.140	33.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1913.067	47.31	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5184.120	45.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12144.920	47.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

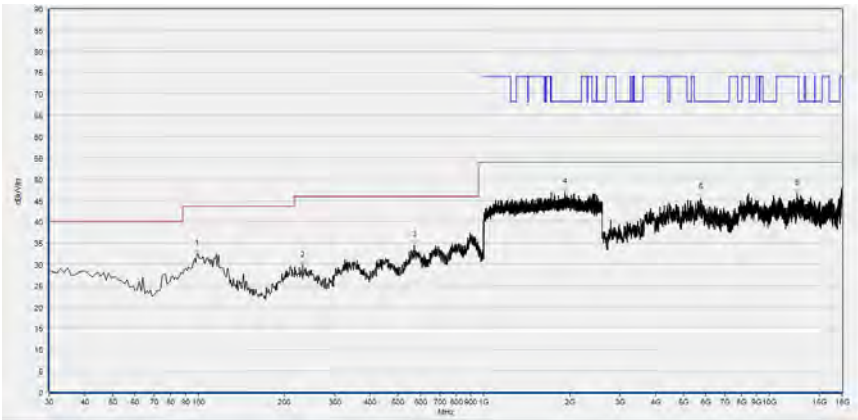
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	32.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
222.060	30.08	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
680.870	35.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2213.333	47.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5633.800	46.87	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13084.320	46.40	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

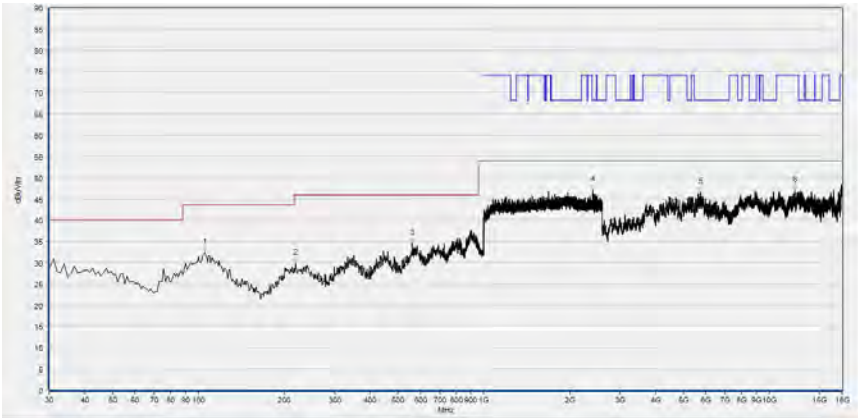
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.870	32.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
232.730	29.65	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
571.260	34.60	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1928.533	46.97	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5760.080	45.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12539.160	46.64	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

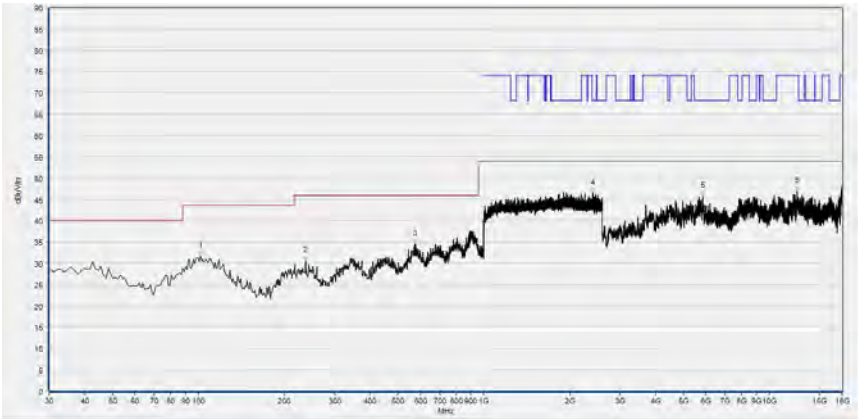
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	32.31	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.150	29.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
561.560	34.55	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2410.133	47.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5741.600	46.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12280.440	47.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

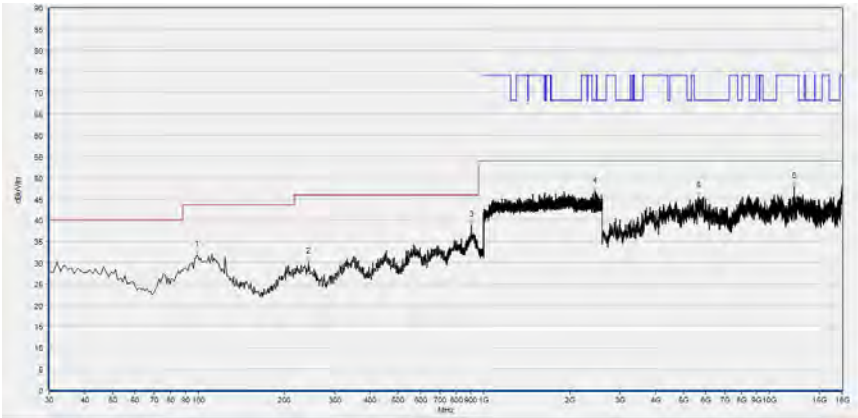
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	31.69	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
237.580	30.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
572.230	34.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2407.467	46.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5858.640	45.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12517.600	46.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

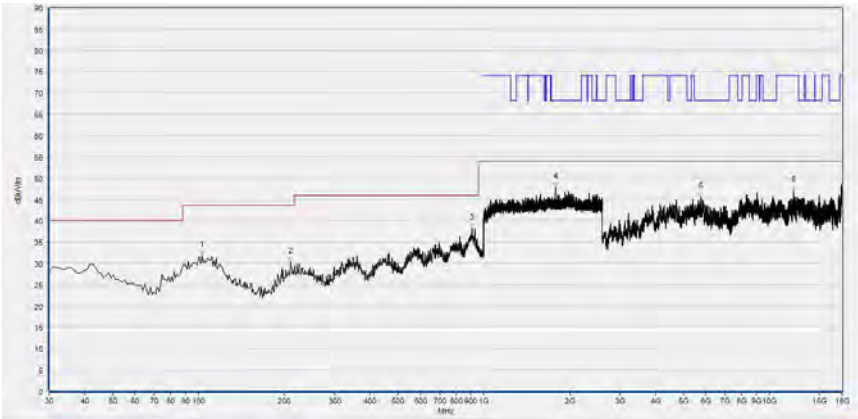
(Antenna Vertical, 30MHz to 18GHz)

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
98.870	31.78	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
242.430	30.16	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
904.940	38.86	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.067	46.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5636.880	45.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12200.360	48.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

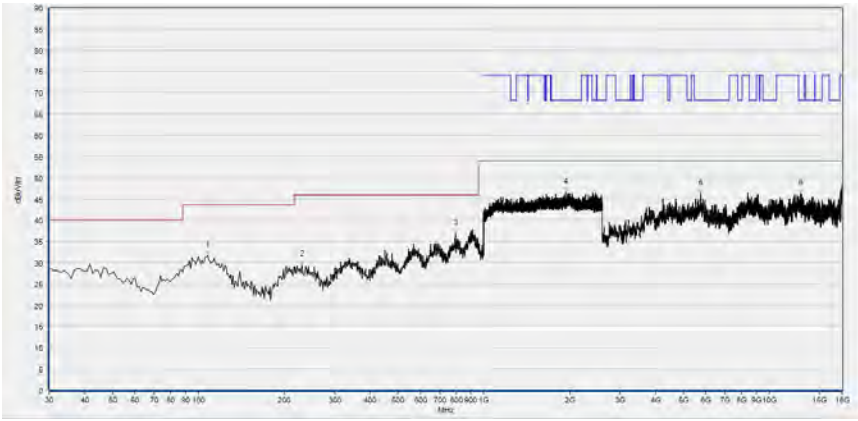
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	31.77	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
210.420	30.38	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
909.790	38.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1780.267	47.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5766.240	45.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12144.920	47.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

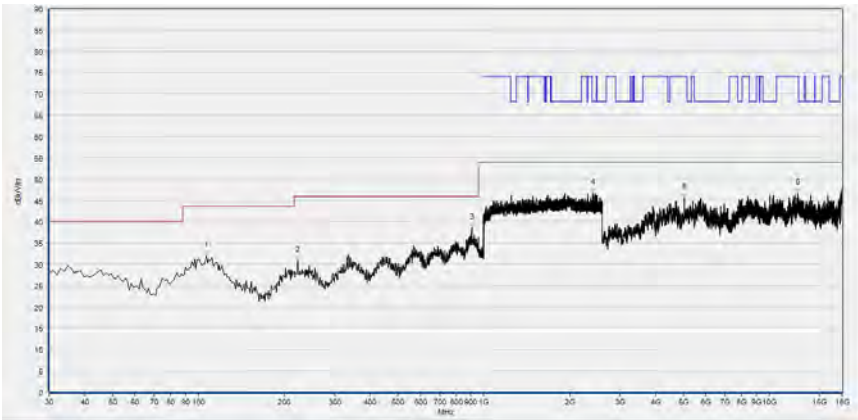
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	31.63	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
230.790	29.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
794.360	36.84	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1935.467	46.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5747.760	46.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12899.520	46.21	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

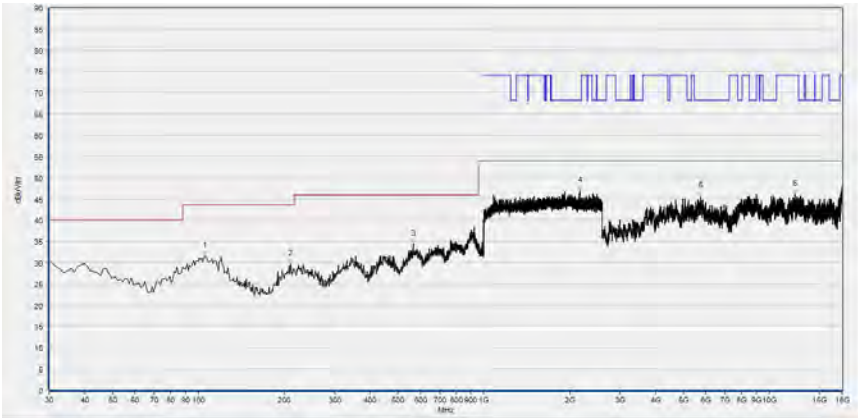
(Antenna Horizontal, 30MHz to 18GHz)



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	32.03	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
223.030	30.78	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
907.850	38.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2410.133	46.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5048.600	45.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12594.600	46.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

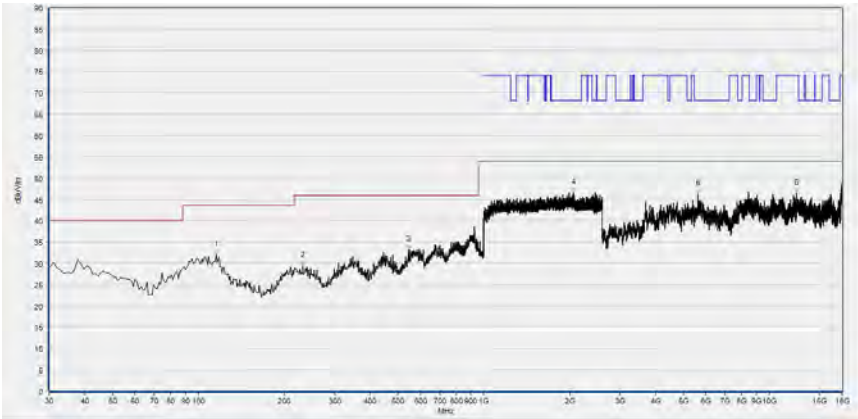
(Antenna Vertical, 30MHz to 18GHz)

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	31.55	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
210.420	29.71	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
565.440	34.39	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2169.067	46.99	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5757.000	45.62	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12280.440	46.15	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

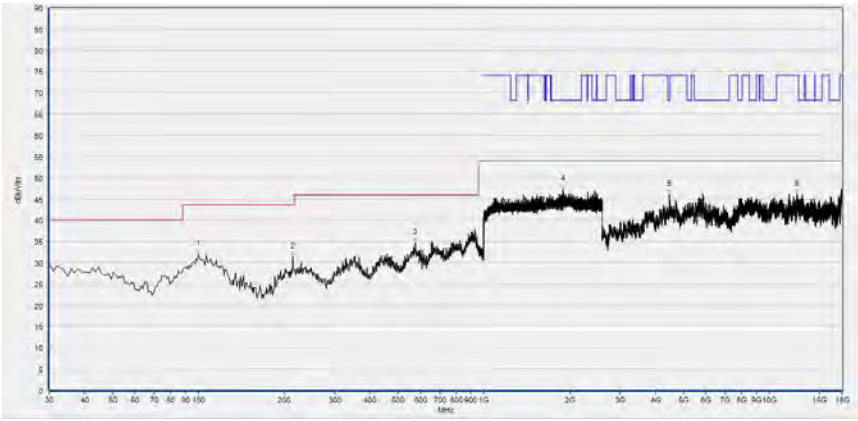
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
115.360	32.08	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
232.730	29.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
545.070	33.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2059.733	46.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5633.800	46.28	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12480.640	46.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

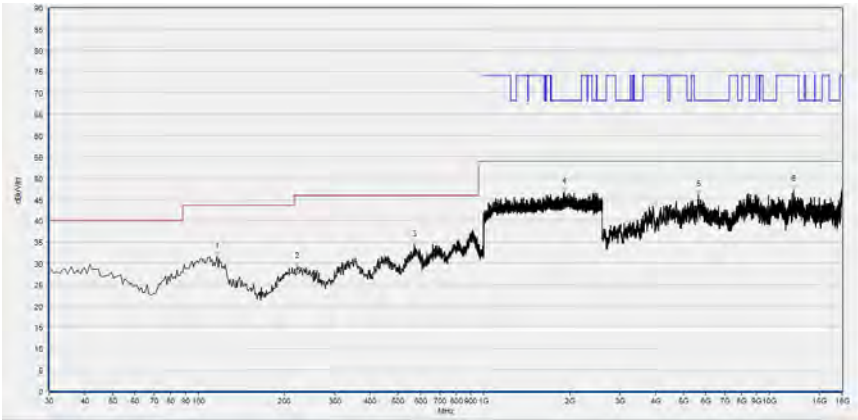
(Antenna Vertical, 30MHz to 18GHz)

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
99.840	31.94	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
214.300	31.37	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
575.140	34.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1895.467	47.21	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4472.640	46.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12529.920	46.03	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

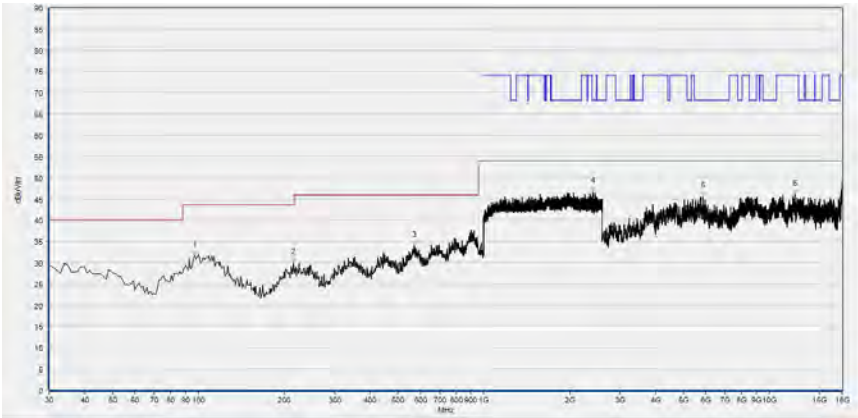
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
116.330	31.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
221.090	29.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
571.260	34.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1913.067	46.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5639.960	46.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12184.960	47.26	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

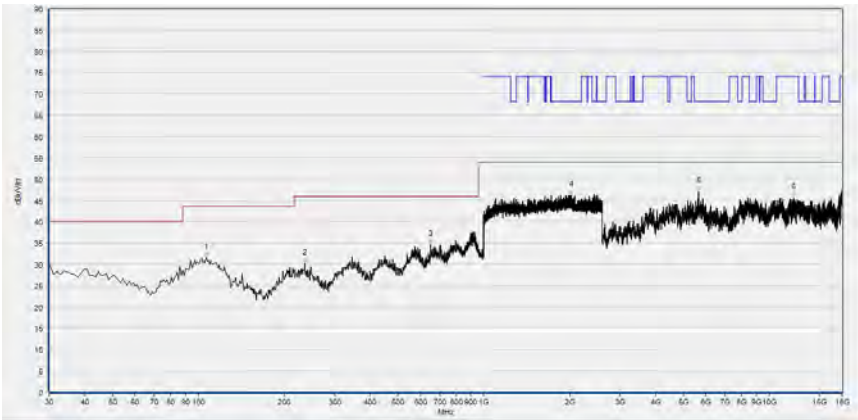
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 144



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
96.930	31.62	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
215.270	30.04	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
570.290	33.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2402.667	46.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5855.560	45.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12298.920	46.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

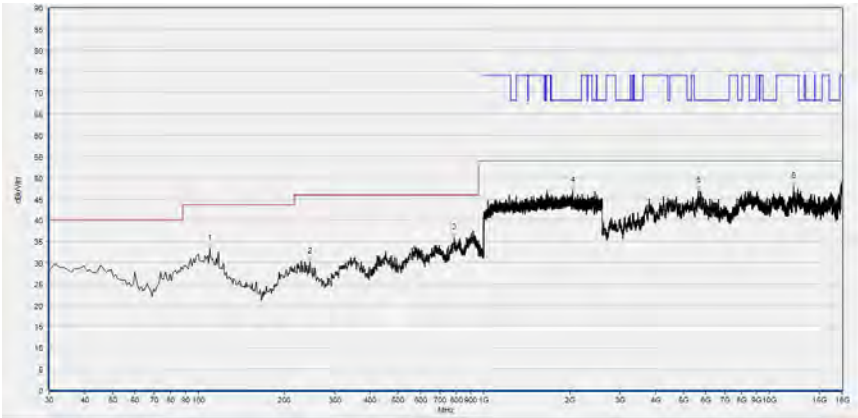
(Antenna Horizontal, 30MHz to 18GHz)



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	31.44	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
235.640	30.25	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
650.800	34.63	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2024.533	46.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5649.200	47.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12141.840	45.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

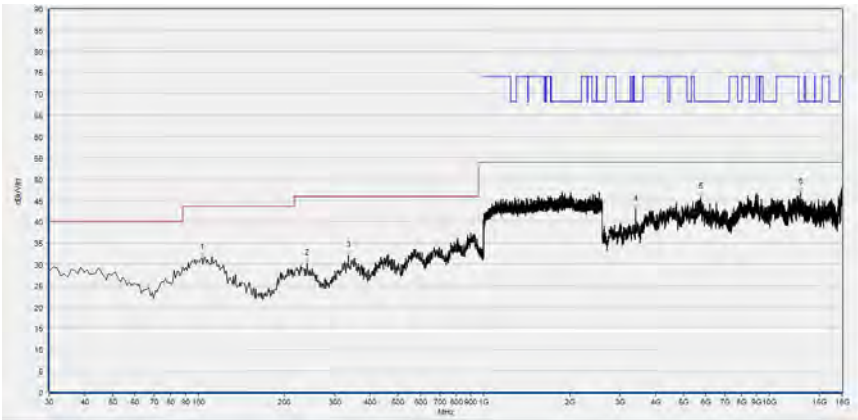
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 149



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	33.38	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
246.310	30.13	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
788.540	35.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2050.667	46.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5639.960	46.91	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12144.920	47.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

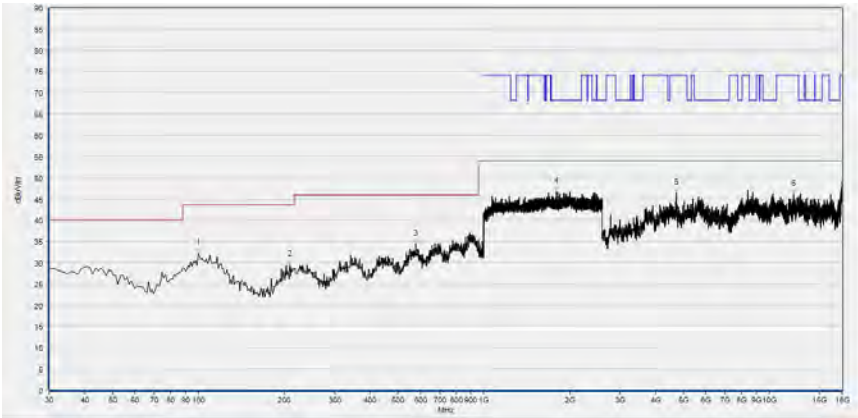
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	31.56	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
240.490	30.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
335.550	32.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
3397.720	42.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5757.000	45.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12881.040	47.01	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

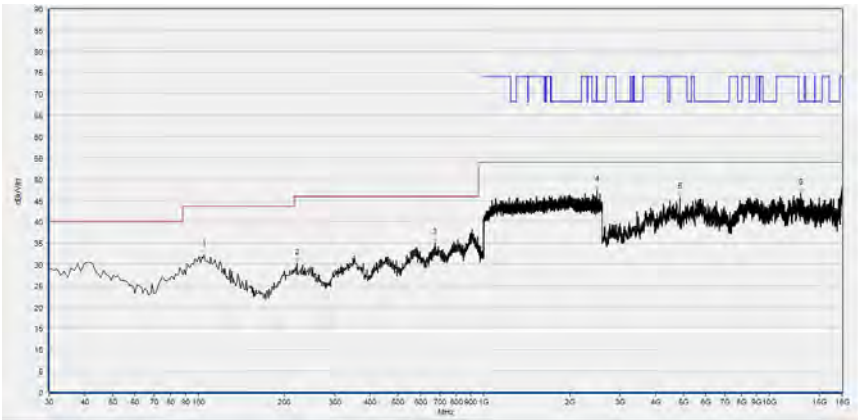
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	32.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
209.450	29.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
578.050	34.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1796.267	46.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4731.360	46.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12157.240	46.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

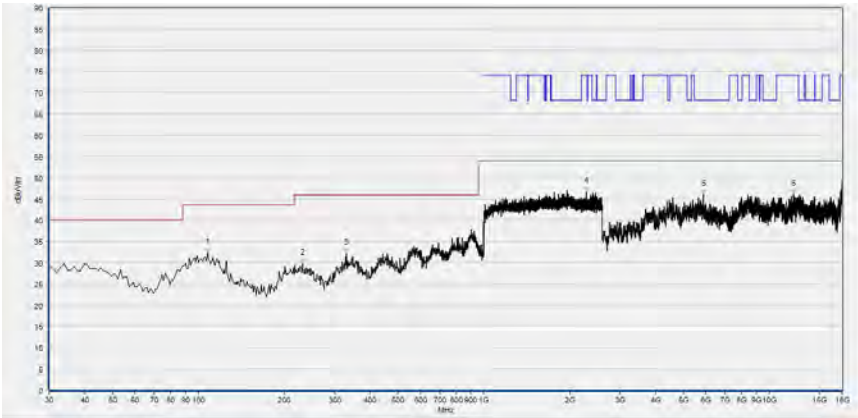
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	32.14	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
222.060	30.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
672.140	35.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2493.867	47.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4857.640	45.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12887.200	46.76	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

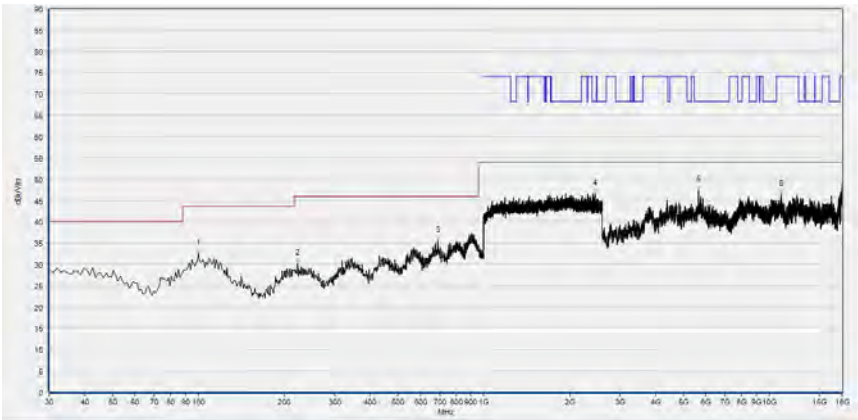
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	32.40	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
231.760	29.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
330.700	32.25	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2285.867	46.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5867.880	46.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12166.480	46.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

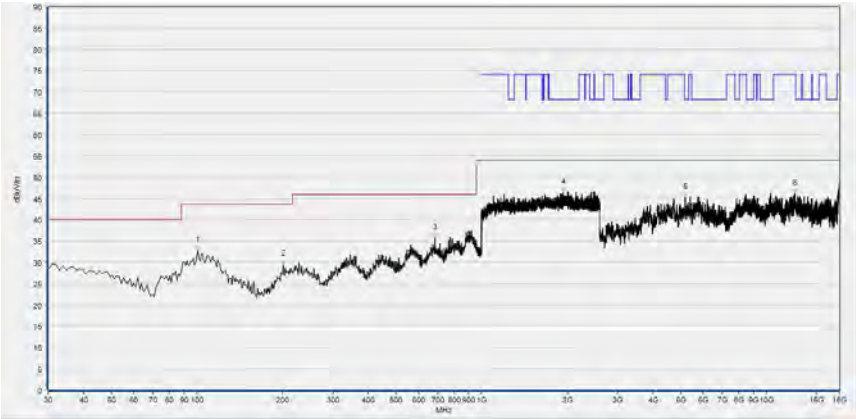


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	32.50	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
223.030	30.18	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
690.570	35.47	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2452.800	46.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5658.440	47.44	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11005.320	46.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

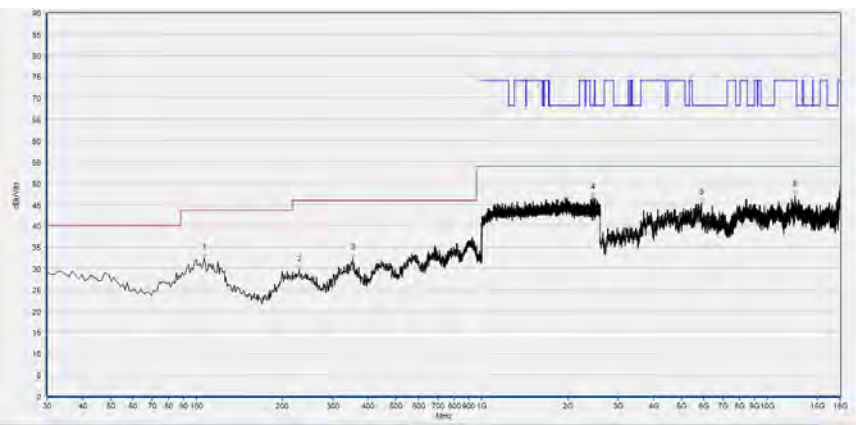
802.11n (HT40) mode

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
100.810	32.63	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
200.720	29.43	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
683.780	35.63	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1931.733	46.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5181.040	45.31	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12585.360	46.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

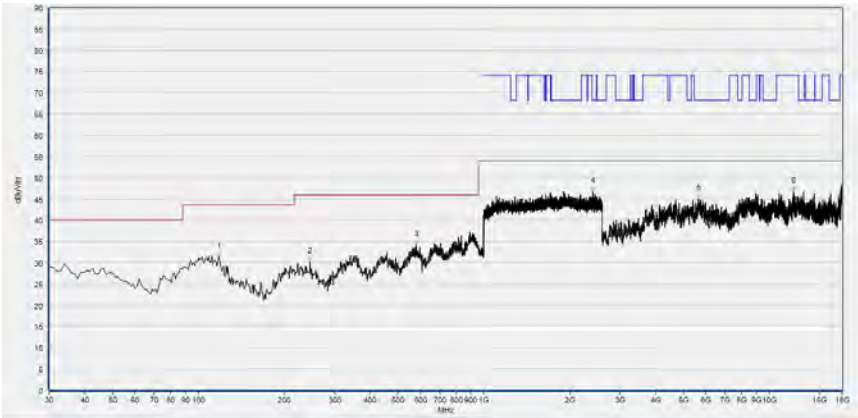
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	32.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
228.850	29.73	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
353.010	32.39	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2445.867	46.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5877.120	45.50	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12551.480	47.13	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

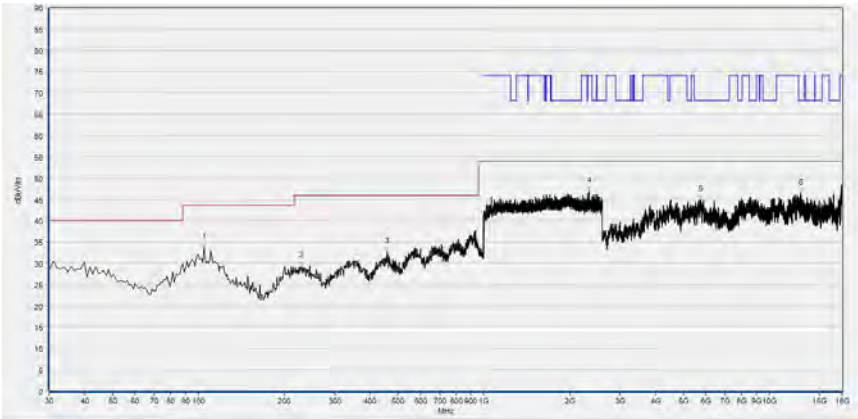
(Antenna Vertical, 30MHz to 18GHz)

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
118.270	31.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
246.310	30.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
579.020	34.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2407.467	46.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5649.200	45.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12197.280	46.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

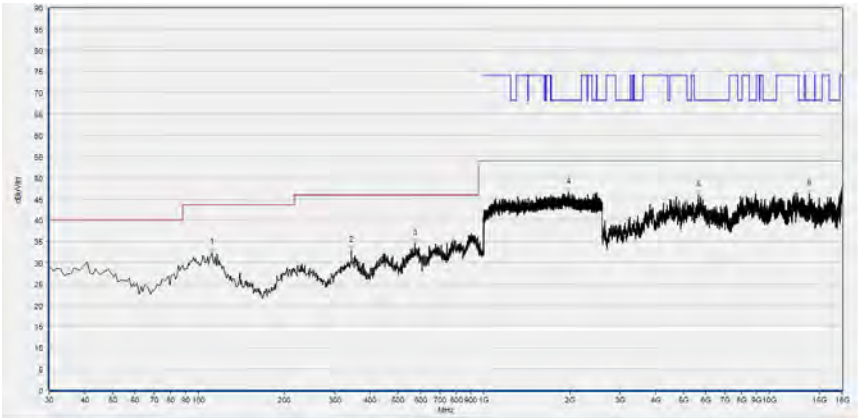
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	33.76	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
229.820	29.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
456.800	32.68	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2333.867	46.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5741.600	44.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12905.680	46.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

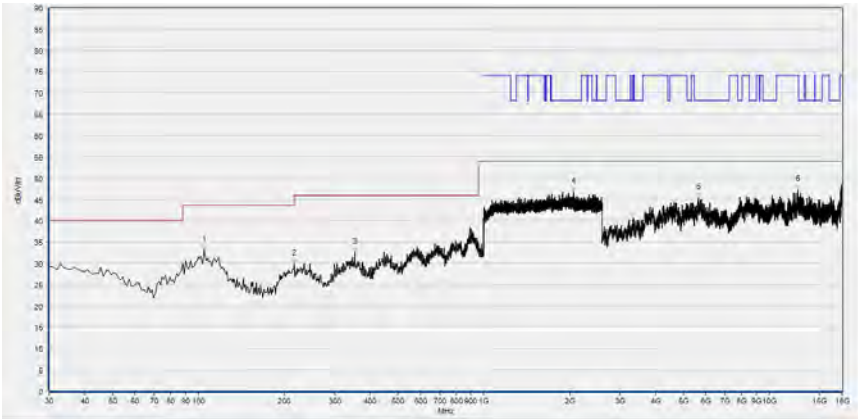
(Antenna Vertical, 30MHz to 18GHz)

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
111.480	32.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
344.280	32.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
575.140	34.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1976.533	46.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5661.520	45.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13771.160	46.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

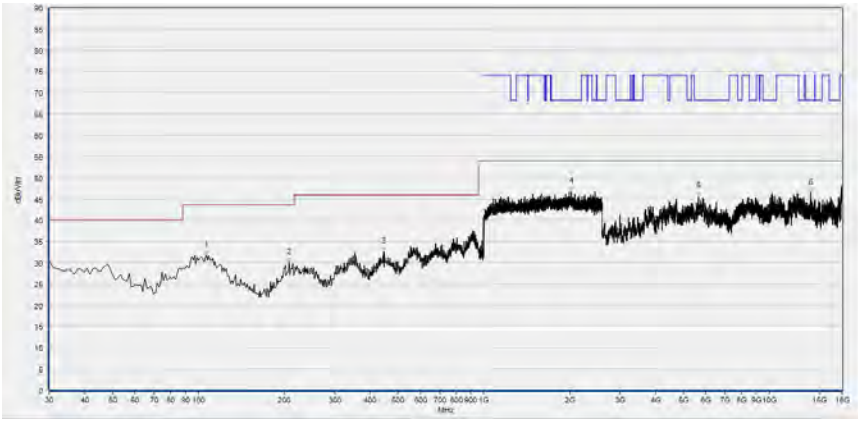
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	33.14	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
216.240	29.83	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
353.010	32.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2060.267	46.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5649.200	45.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12613.080	47.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

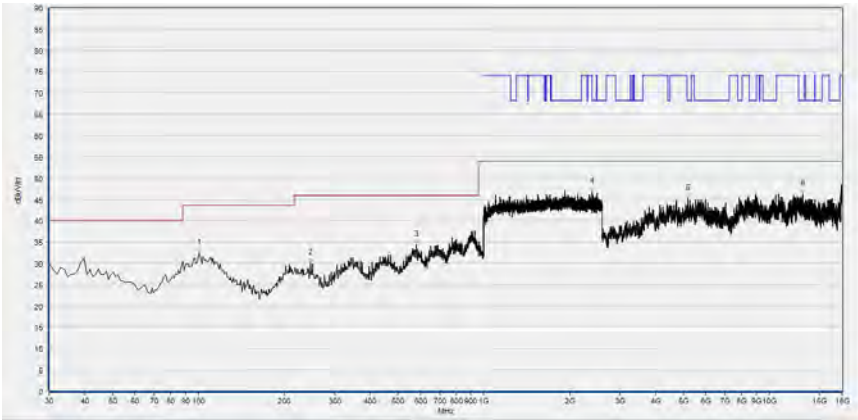
(Antenna Vertical, 30MHz to 18GHz)

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
106.630	31.73	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
207.510	29.92	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
446.130	32.44	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2029.333	46.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5643.040	45.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13996.000	46.43	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

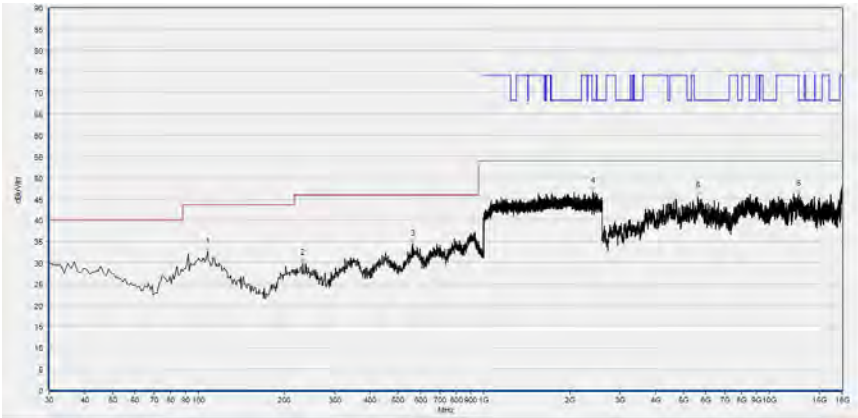
(Antenna Horizontal, 30MHz to 18GHz)



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
100.810	32.36	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
247.280	30.07	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
579.990	34.33	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2401.067	46.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5196.440	45.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13096.640	46.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

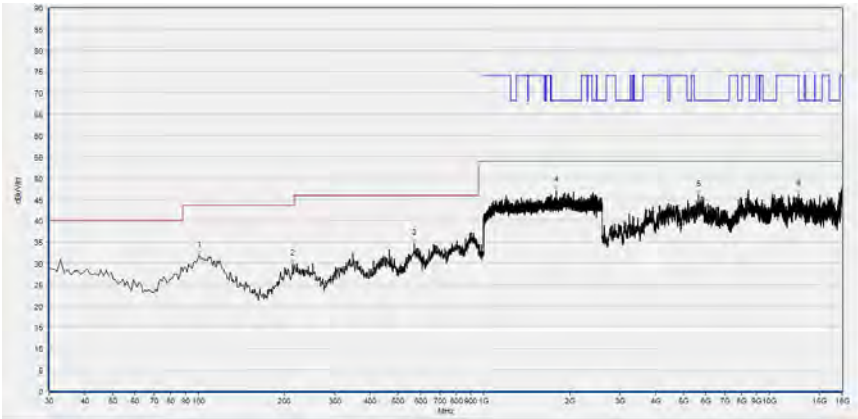
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	32.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
232.730	29.90	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
562.530	34.41	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2415.467	46.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5618.400	45.63	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12665.440	46.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

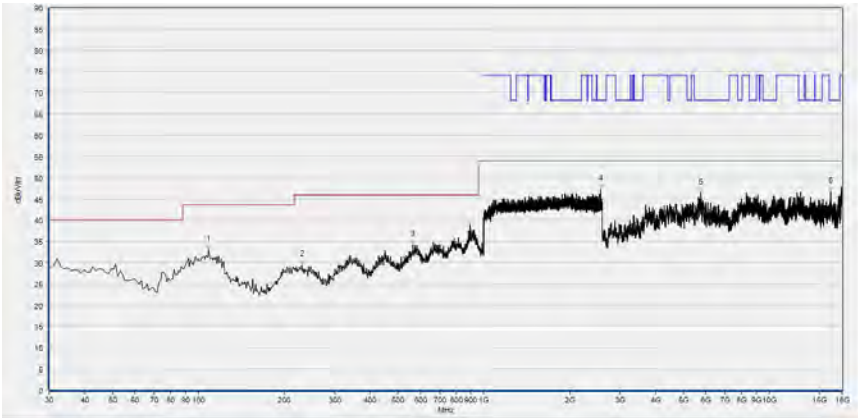
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	31.91	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
214.300	29.91	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
571.260	34.69	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1795.200	47.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5652.280	46.01	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12693.160	46.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

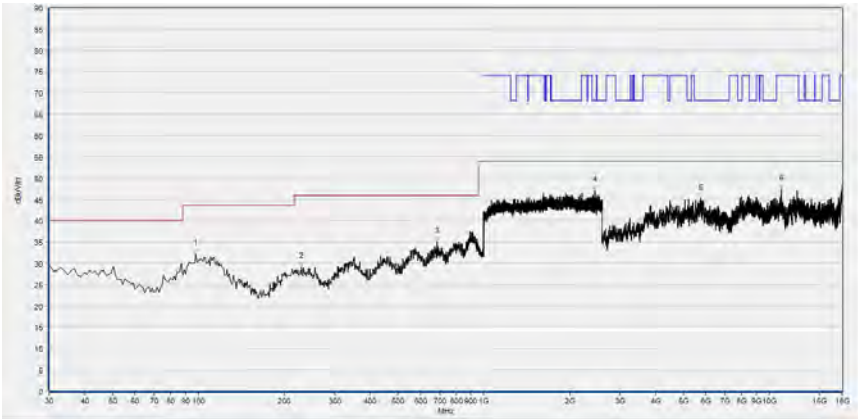
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	33.09	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
230.790	29.57	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
563.500	34.13	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2559.467	47.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5766.240	46.49	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
16392.240	46.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

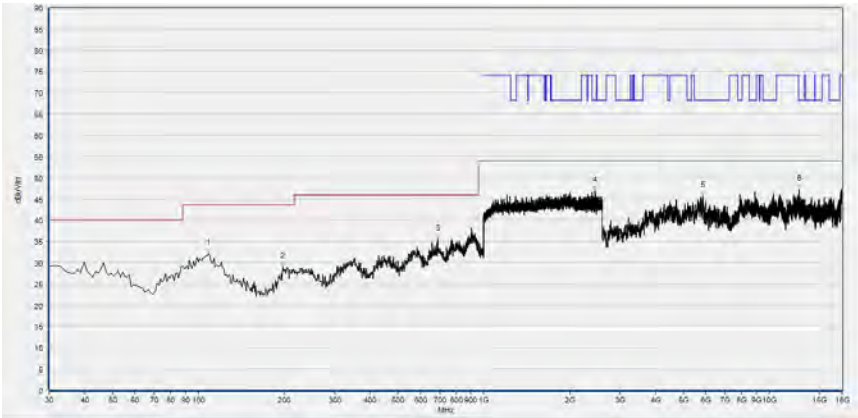
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.900	32.21	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
229.820	29.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
687.660	35.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2450.133	47.13	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5757.000	45.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11054.600	47.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

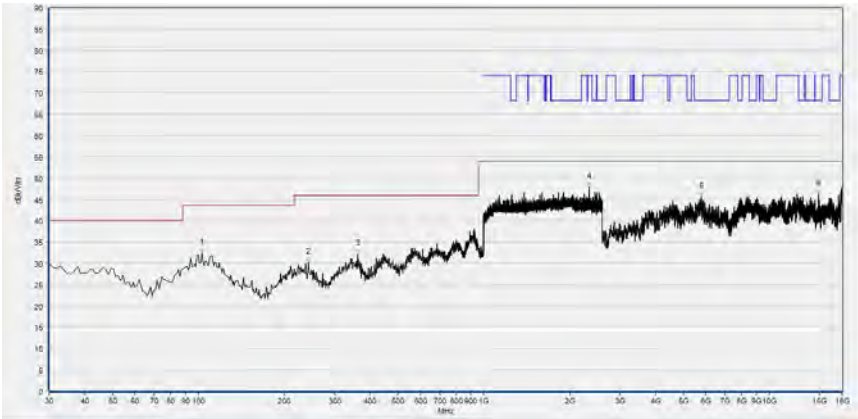
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 142



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	32.26	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
197.810	29.07	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
689.600	35.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2455.467	46.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5864.800	45.73	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12742.440	47.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

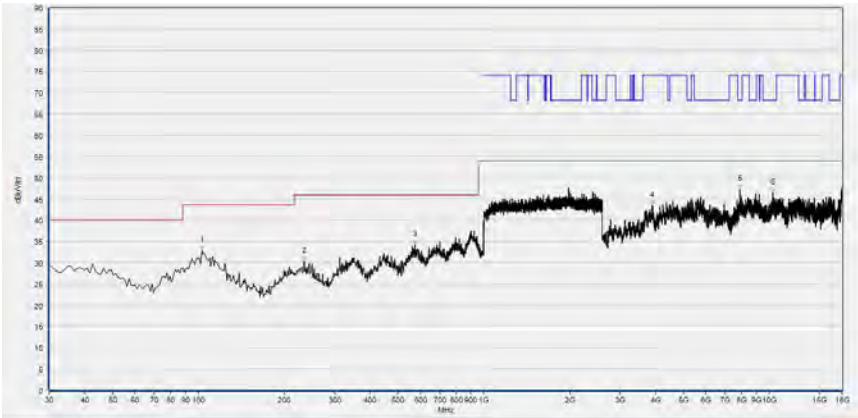
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	32.40	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
242.430	30.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
360.770	32.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2342.933	47.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5775.480	45.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14858.400	46.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

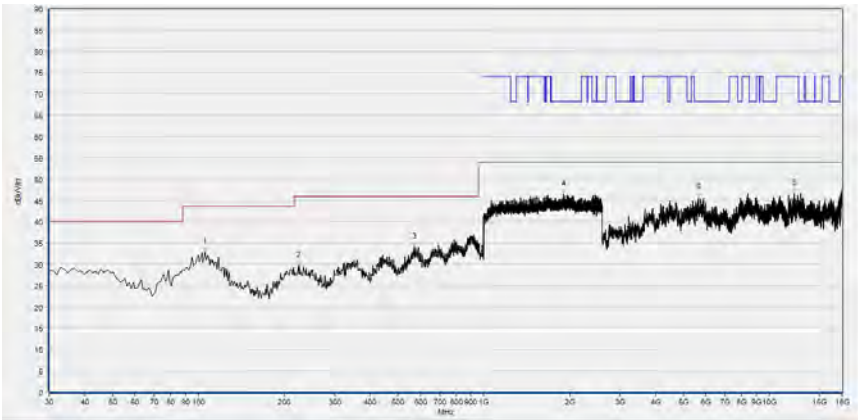
(Antenna Vertical, 30MHz to 18GHz)

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
102.750	32.83	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
234.670	30.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
573.200	34.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
3884.360	43.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7876.040	47.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10284.600	46.49	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

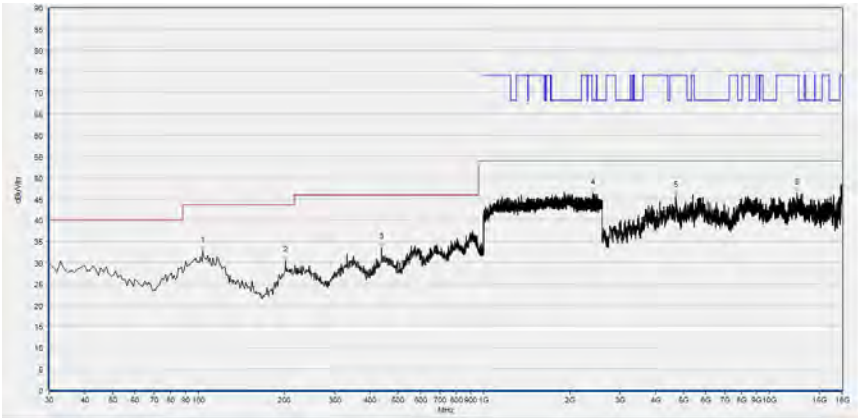
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	32.92	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
224.000	29.73	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
571.260	34.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1902.933	46.40	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5652.280	45.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12200.360	46.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

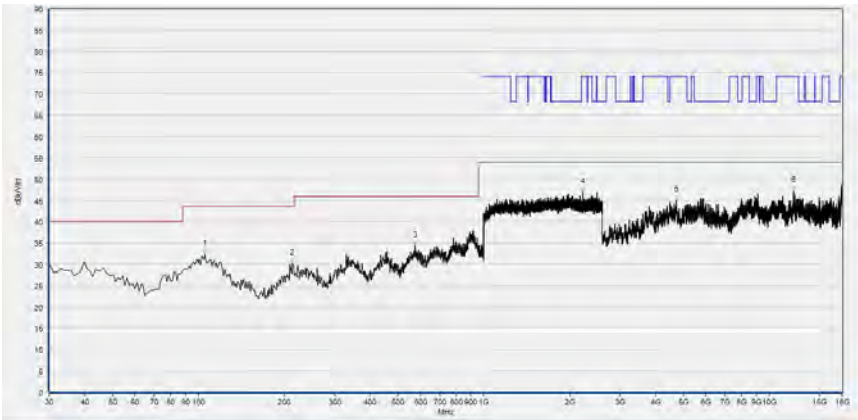
(Antenna Vertical, 30MHz to 18GHz)

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
103.720	32.67	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
201.690	30.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
438.370	33.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2410.133	46.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4703.640	45.67	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12539.160	46.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

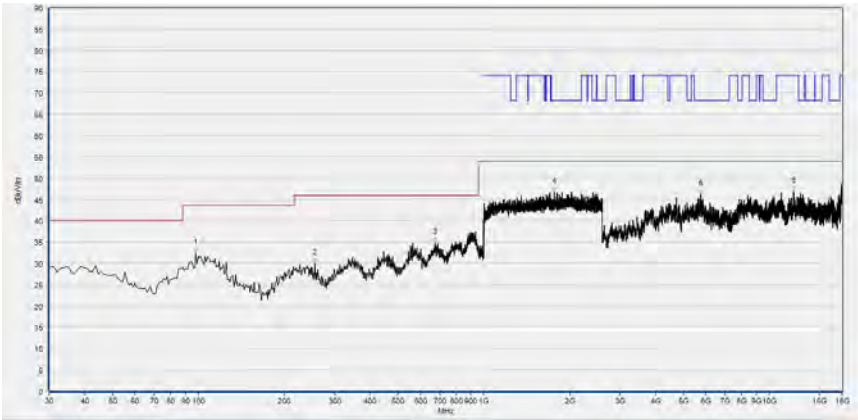


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	32.36	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
213.330	30.15	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
575.140	34.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2218.667	46.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4715.960	45.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12144.920	47.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

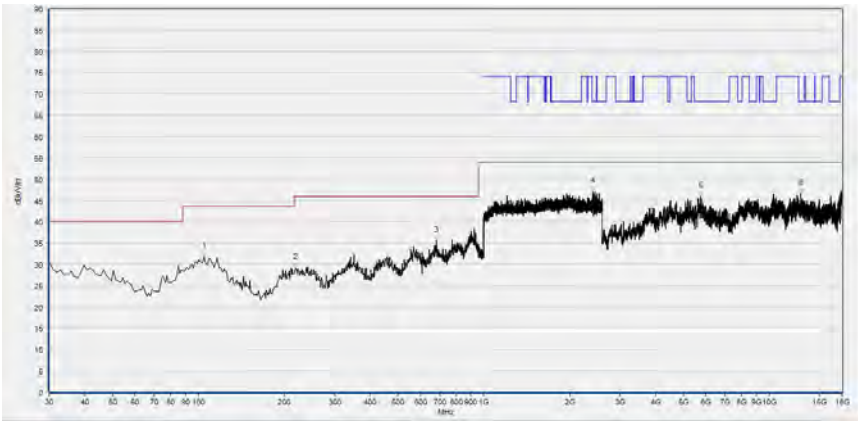
802.11ac (VHT80) Mode

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
97.900	32.42	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
256.010	29.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
674.080	34.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1767.467	46.74	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5757.000	46.31	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12160.320	46.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

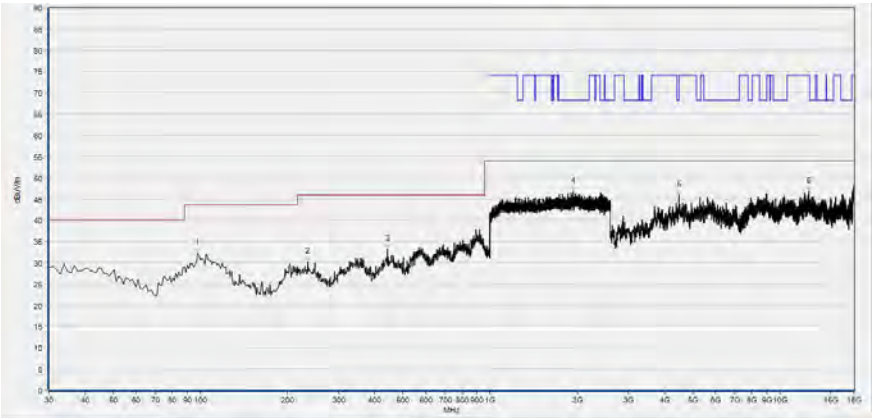
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	31.91	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.150	29.11	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
682.810	35.60	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2412.267	47.05	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5757.000	45.99	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12874.880	46.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

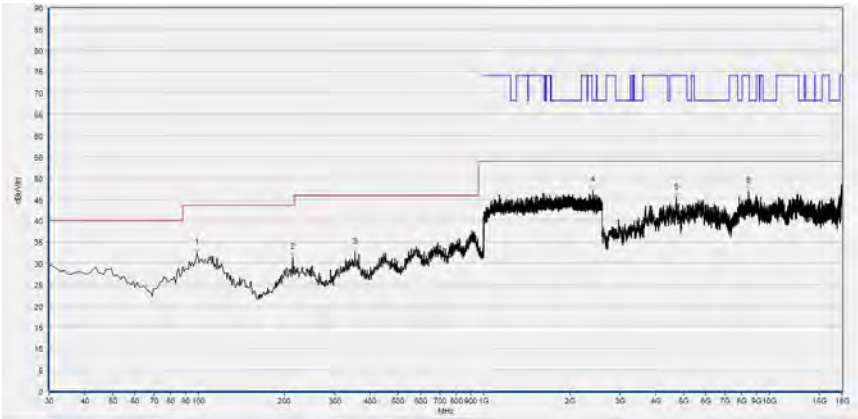
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 58



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.900	32.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
234.670	30.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
441.280	33.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1936.000	46.80	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4484.960	45.91	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12591.520	46.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

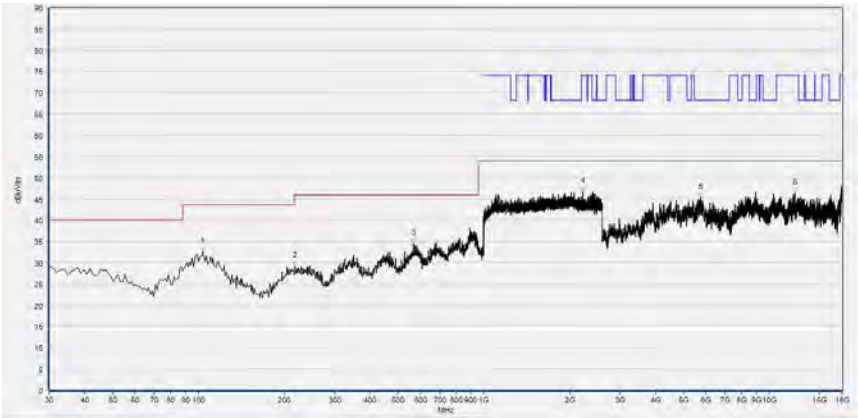
(Antenna Horizontal, 30MHz to 18GHz)



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
98.870	32.38	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
214.300	31.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
353.980	32.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2414.933	47.05	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4715.960	45.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8455.080	46.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

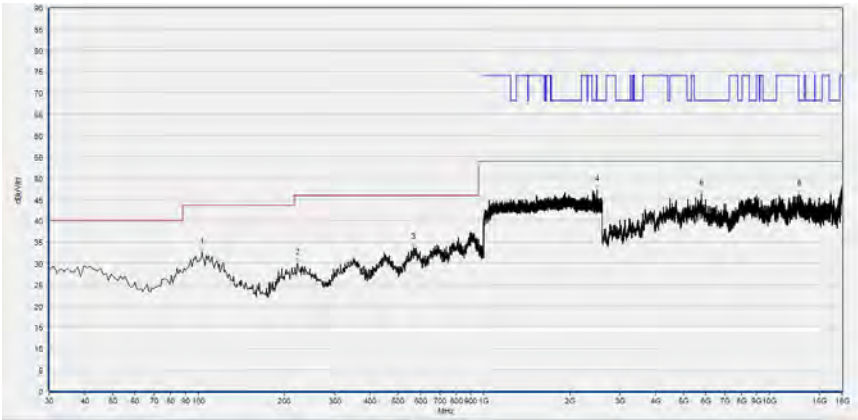
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 106



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.720	32.50	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
218.180	29.13	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
565.440	34.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2224.533	46.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5757.000	45.45	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12280.440	46.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

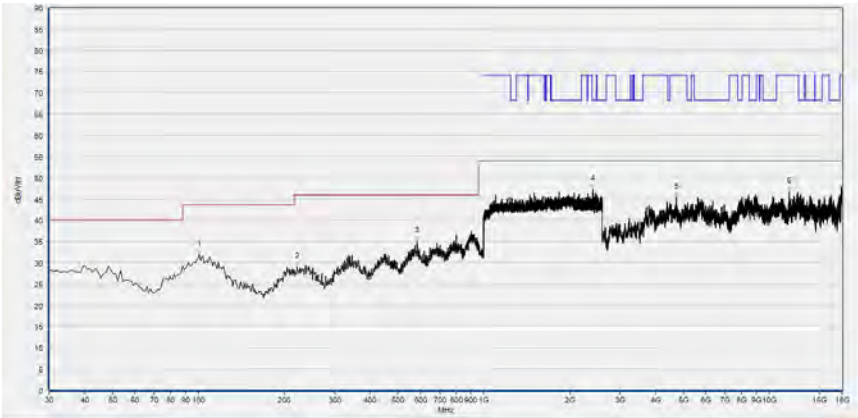
(Antenna Horizontal, 30MHz to 18GHz)



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	32.50	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
223.030	29.95	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
567.380	33.72	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2490.133	47.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5772.400	46.31	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12727.040	46.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

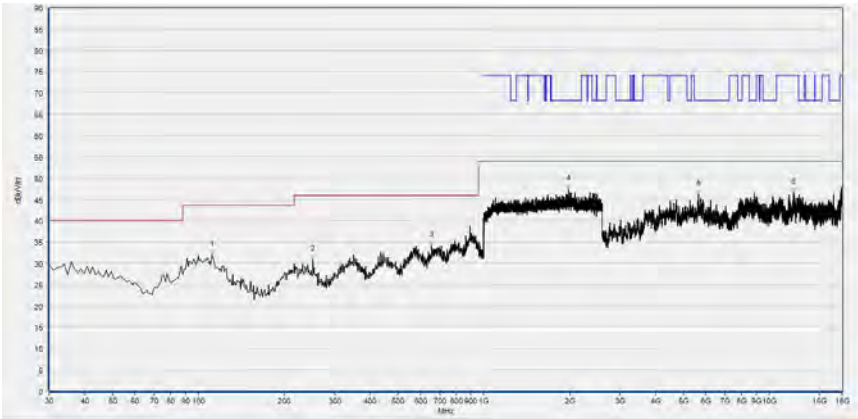
(Antenna Vertical, 30MHz to 18GHz)

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
100.810	31.97	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
222.060	28.96	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
581.930	35.10	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2413.333	47.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4728.280	45.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11719.880	46.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

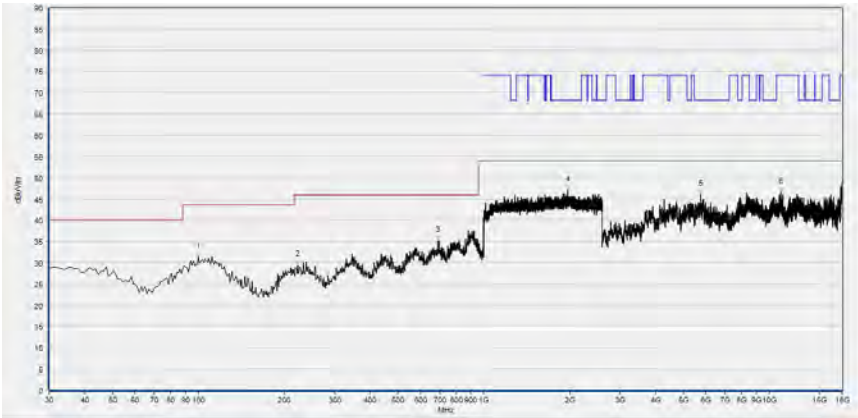
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
111.480	32.04	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
252.130	30.81	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
656.620	34.24	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1981.333	47.46	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5661.520	46.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12148.000	46.64	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

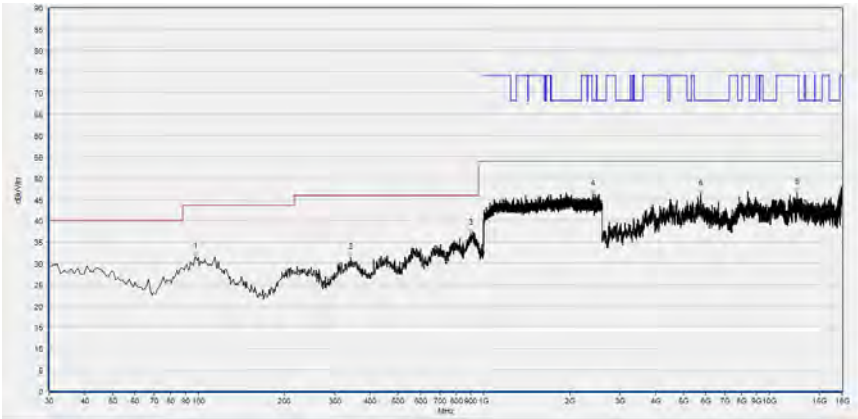
(Antenna Vertical, 30MHz to 18GHz)

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
99.840	31.27	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
223.030	29.50	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
689.600	35.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1964.800	47.15	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5753.920	46.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10996.080	46.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

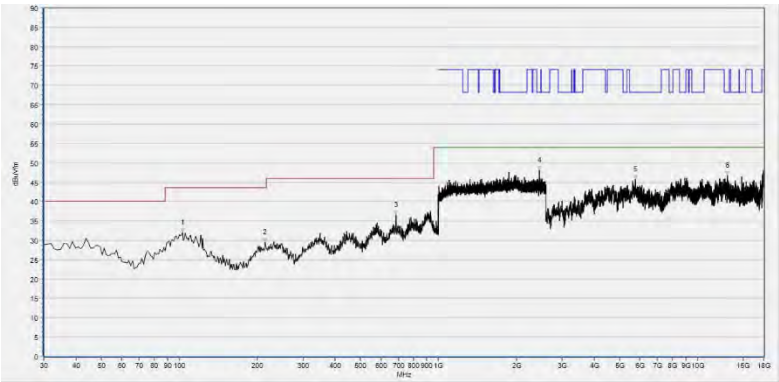
(Antenna Horizontal, 30MHz to 18GHz)



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
97.900	31.43	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
342.340	31.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
901.060	37.08	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2409.600	46.32	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5766.240	46.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12548.400	46.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

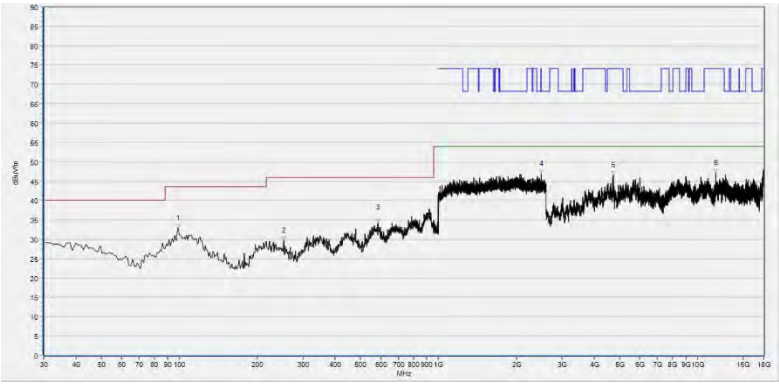
(Antenna Vertical, 30MHz to 18GHz)

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
102.750	32.08	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
214.300	29.47	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
686.690	36.54	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2452.800	48.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5735.440	45.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13050.440	46.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.870	32.84	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
253.100	29.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
584.840	34.13	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2493.867	46.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4725.200	46.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11729.120	47.13	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT