

PSD NVNT n20 5300MHz Ant1



PSD NVNT n20 5320MHz Ant1





PSD NVNT n20 5500MHz Ant1



PSD NVNT n20 5600MHz Ant1



PSD NVNT n20 5700MHz Ant1



PSD NVNT n20 5745MHz Ant1



PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1



PSD NVNT n40 5270MHz Ant1



PSD NVNT n40 5310MHz Ant1



PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5630MHz Ant1



PSD NVNT n40 5670MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1



PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5220MHz Ant1



PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac20 5260MHz Ant1



PSD NVNT ac20 5300MHz Ant1



PSD NVNT ac20 5320MHz Ant1



PSD NVNT ac20 5500MHz Ant1



PSD NVNT ac20 5600MHz Ant1



PSD NVNT ac20 5700MHz Ant1



PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1



PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac40 5270MHz Ant1



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PSD NVNT ac40 5630MHz Ant1



PSD NVNT ac40 5670MHz Ant1



PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5210MHz Ant1



PSD NVNT ac80 5290MHz Ant1





PSD NVNT ac80 5530MHz Ant1



PSD NVNT ac80 5610MHz Ant1



PSD NVNT ac80 5690MHz Ant1



PSD NVNT ac80 5775MHz Ant1



**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.55V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
20C 4.40V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
-30C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
-20C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
-10C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
0C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
10C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
20C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
30C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
40C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
50C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
55C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
20C 3.55V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
20C 4.40V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
-30C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
-20C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
-10C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
0C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
10C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
20C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
30C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
40C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
50C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
55C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
20C 3.55V	Carrier	5500	Ant1	5499.977	-23000	-4.18	25	Pass
20C 4.40V	Carrier	5500	Ant1	5499.977	-23000	-4.18	25	Pass
-30C 3.85V	Carrier	5500	Ant1	5499.977	-23000	-4.18	25	Pass
-20C 3.85V	Carrier	5500	Ant1	5499.977	-23000	-4.18	25	Pass
-10C 3.85V	Carrier	5500	Ant1	5499.977	-23000	-4.18	25	Pass
0C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass
10C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass
20C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass
30C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass
40C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass



REPORT No.: SZ23040219W06

50C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass
55C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass
20C 3.55V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
20C 4.40V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
-30C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
-20C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
-10C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
0C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
10C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
20C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
30C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
40C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
50C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
55C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass

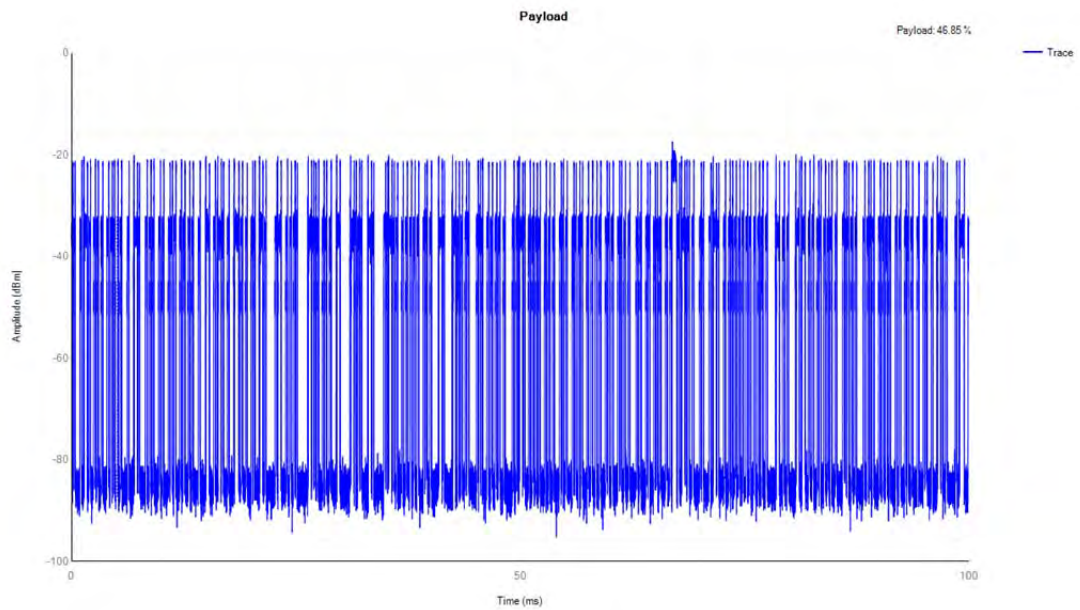
**A.6. Dynamic Frequency Selection**

Payload

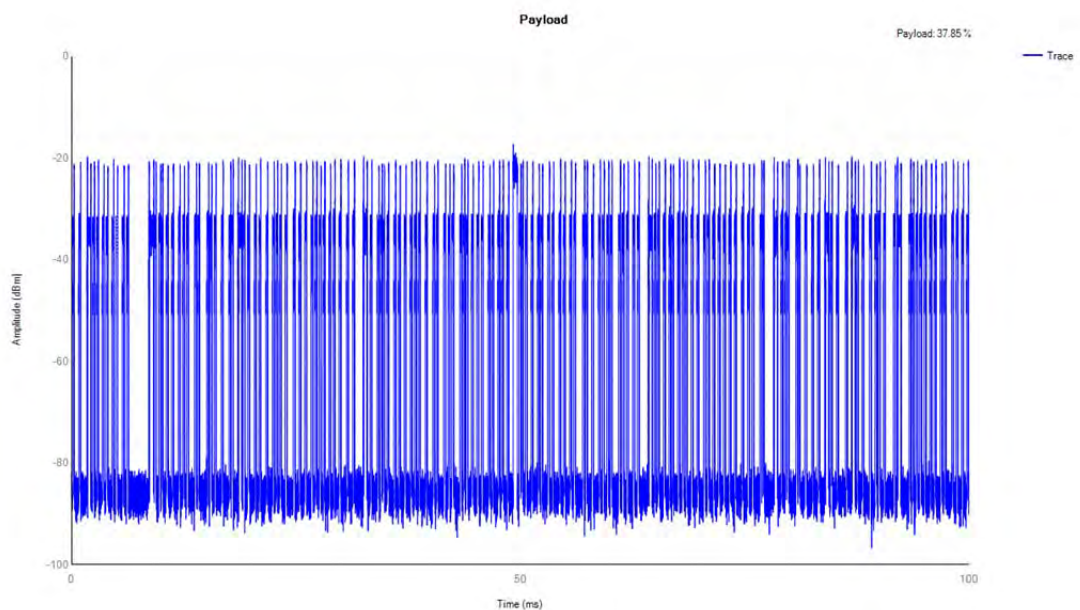
Mode	Frequency (MHz)	Result	Verdict
a	5320	46.85	Pass
a	5500	37.85	Pass
ac80	5290	34.61	Pass
ac80	5530	30.81	Pass

Test Graphs

a 5320MHz Payload

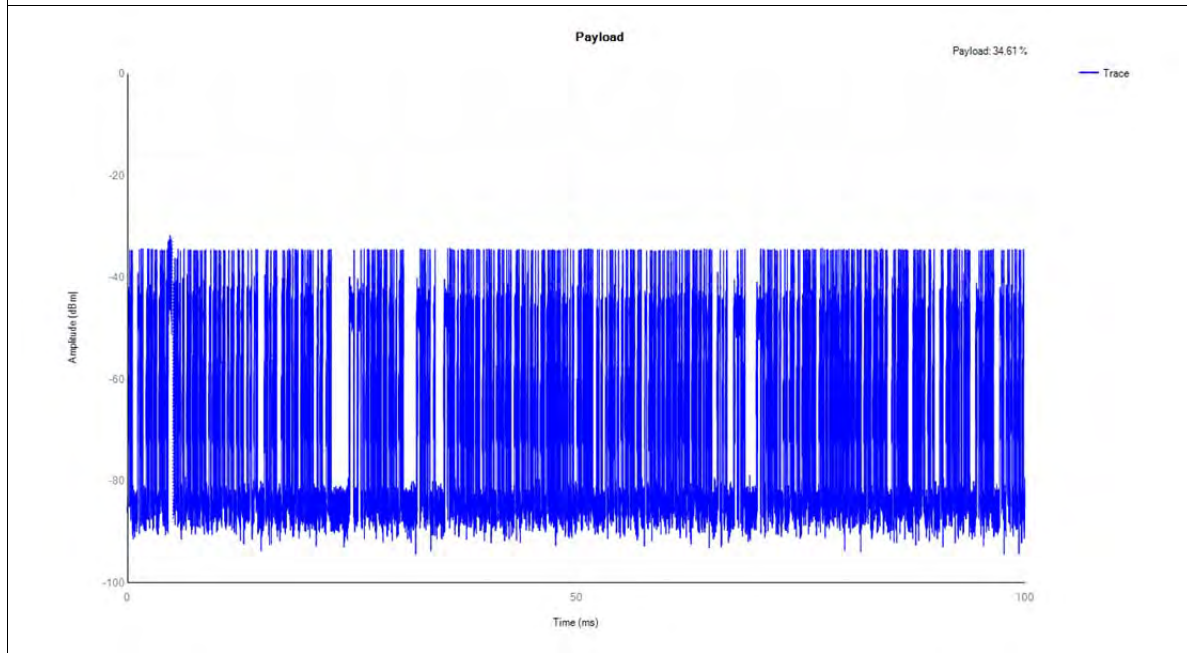


a 5500MHz Payload

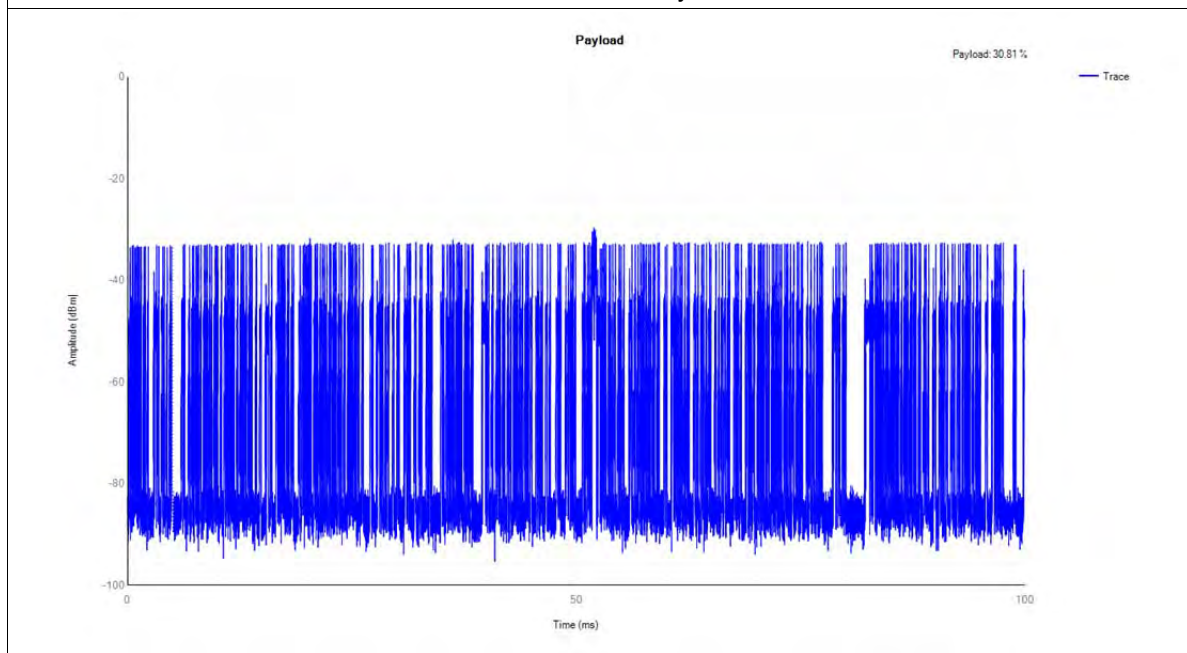




ac80 5290MHz Payload



ac80 5530MHz Payload

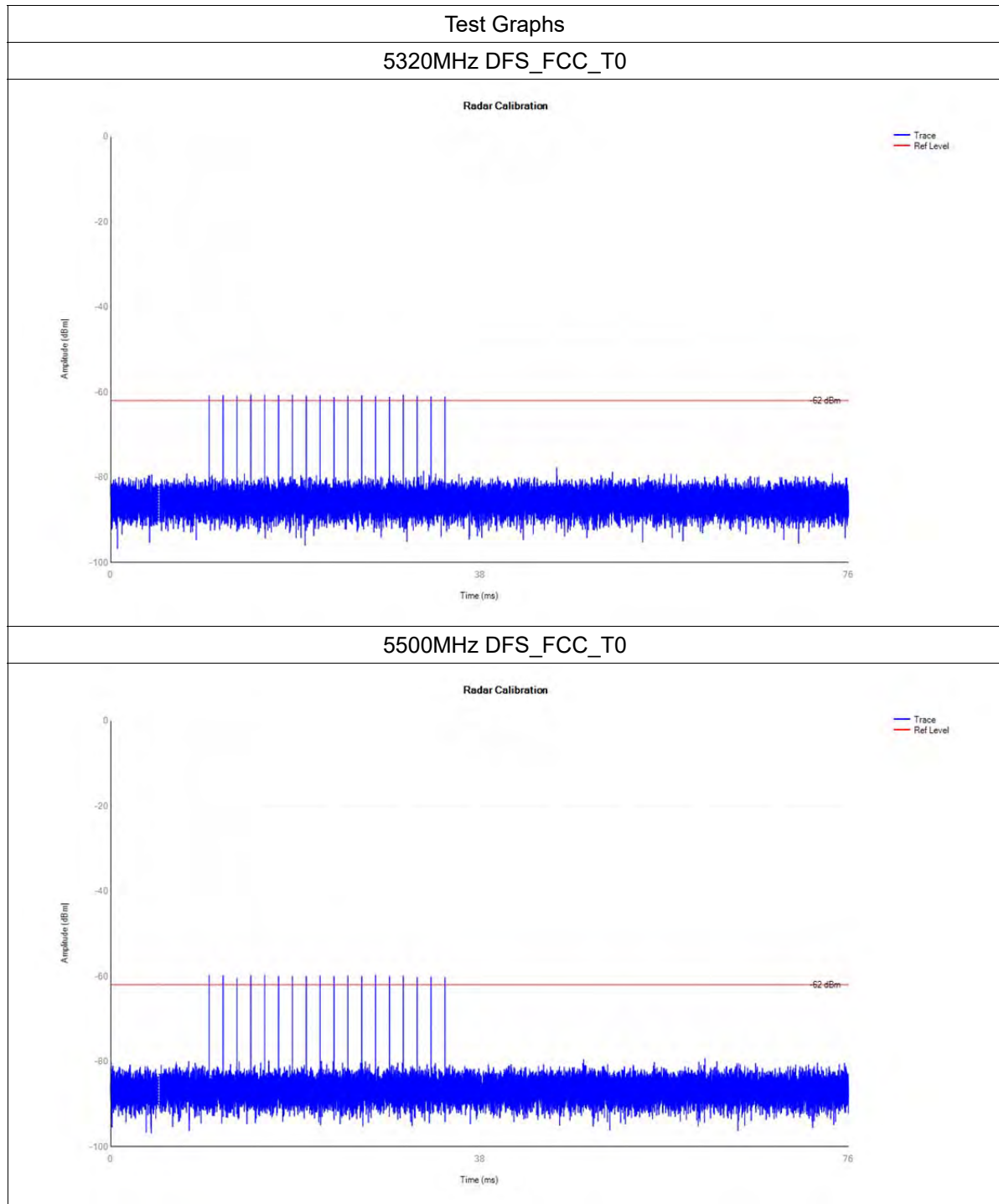




REPORT No.: SZ23040219W06

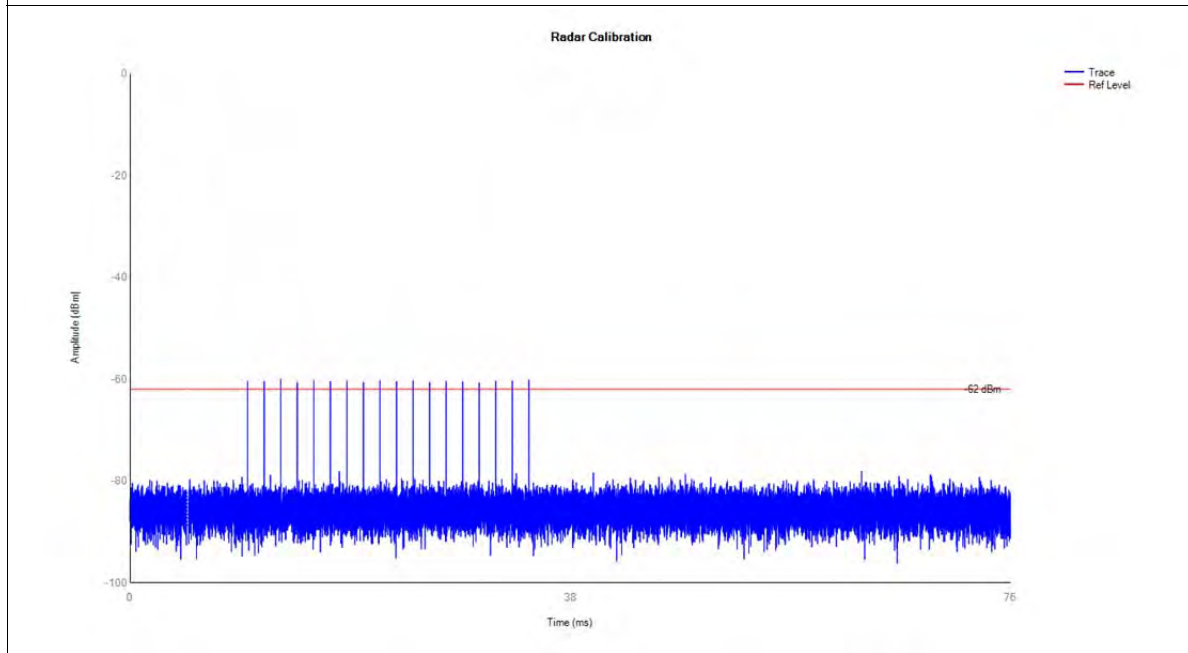
Calibration

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

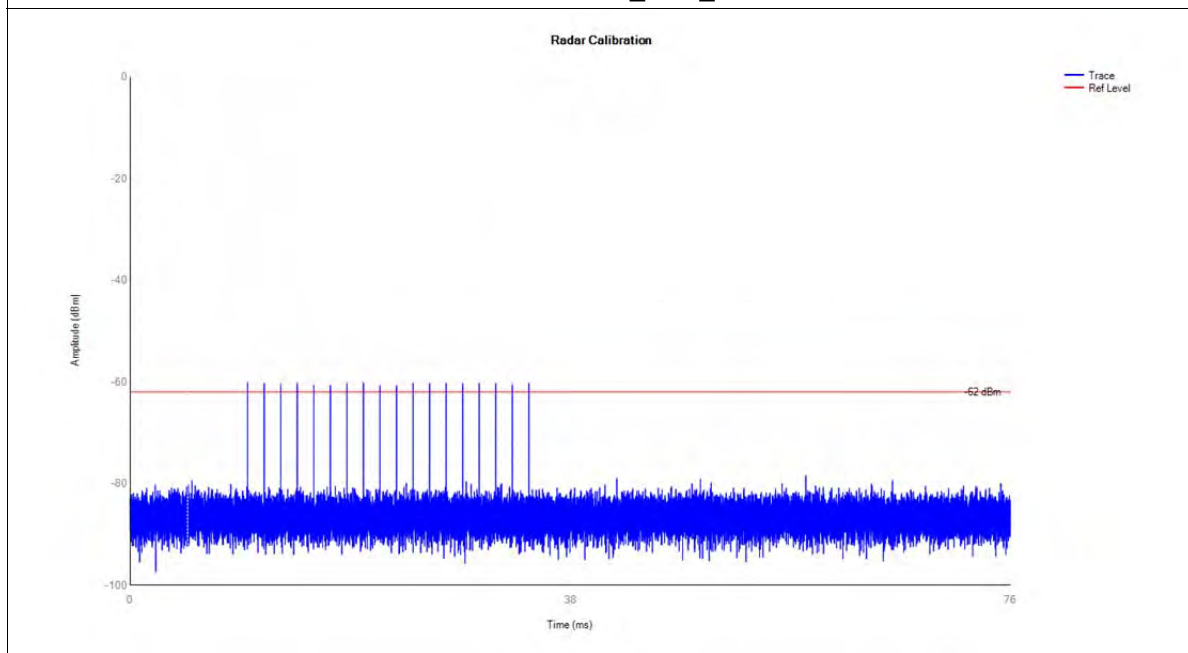




5290MHz DFS_FCC_T0



5530MHz DFS_FCC_T0



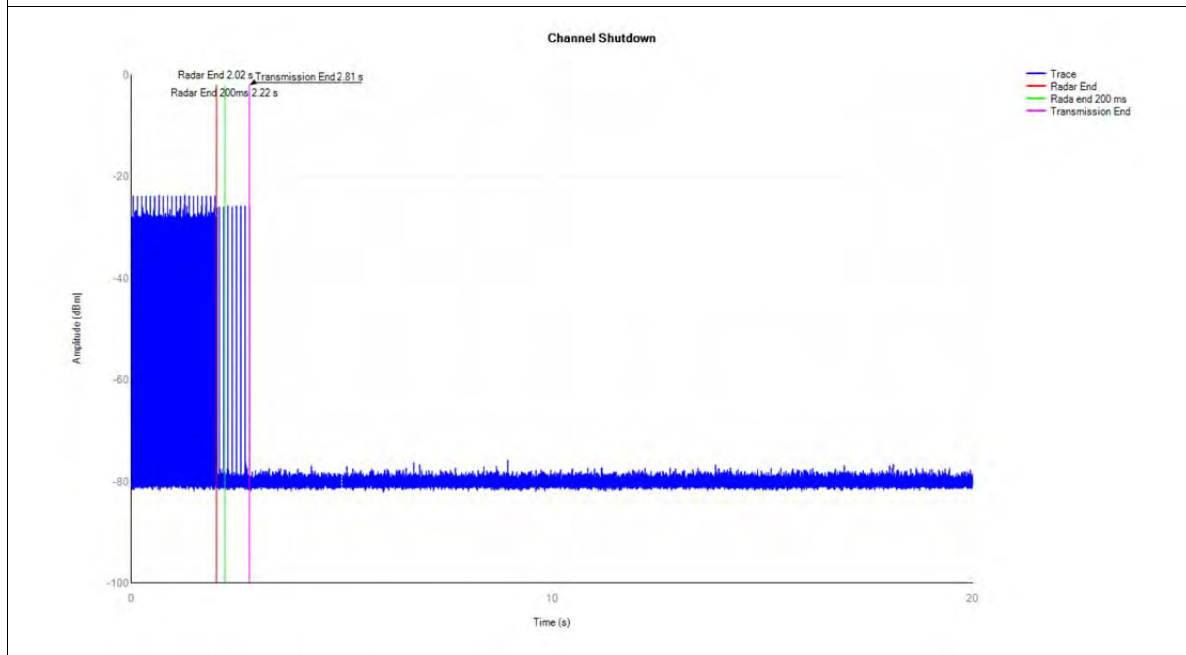


Channel Move Time and Channel Closing Transmission Time

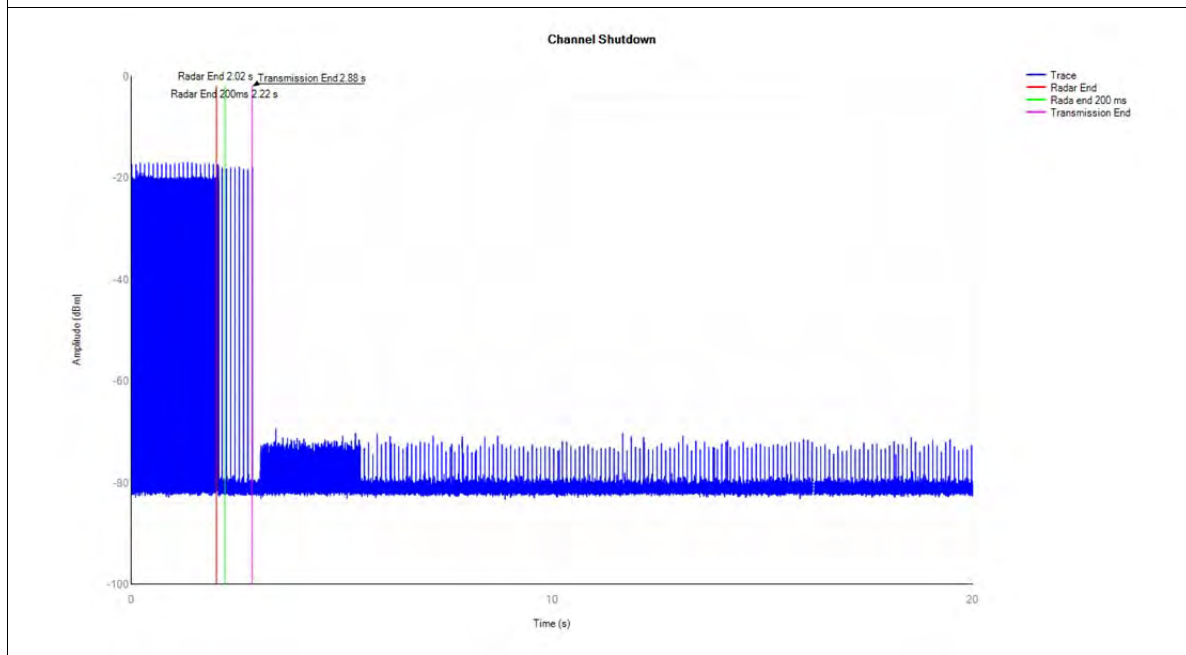
Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
a	5320	0.784	10	0.015	0.26	0.007	0.06	Pass
a	5500	0.852	10	0.031	0.26	0.009	0.06	Pass
ac80	5290	0.01	10	0.005	0.26	0	0.06	Pass
ac80	5530	0	10	0	0.26	0	0.06	Pass

Test Graphs

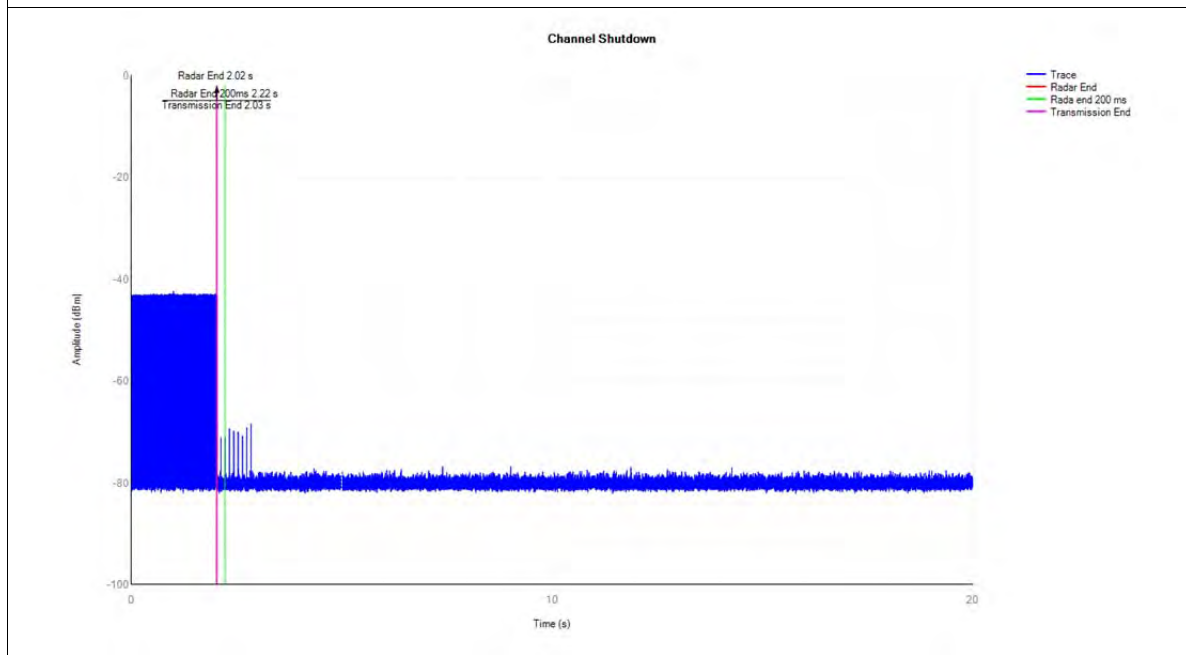
a 5320MHz Shutdown



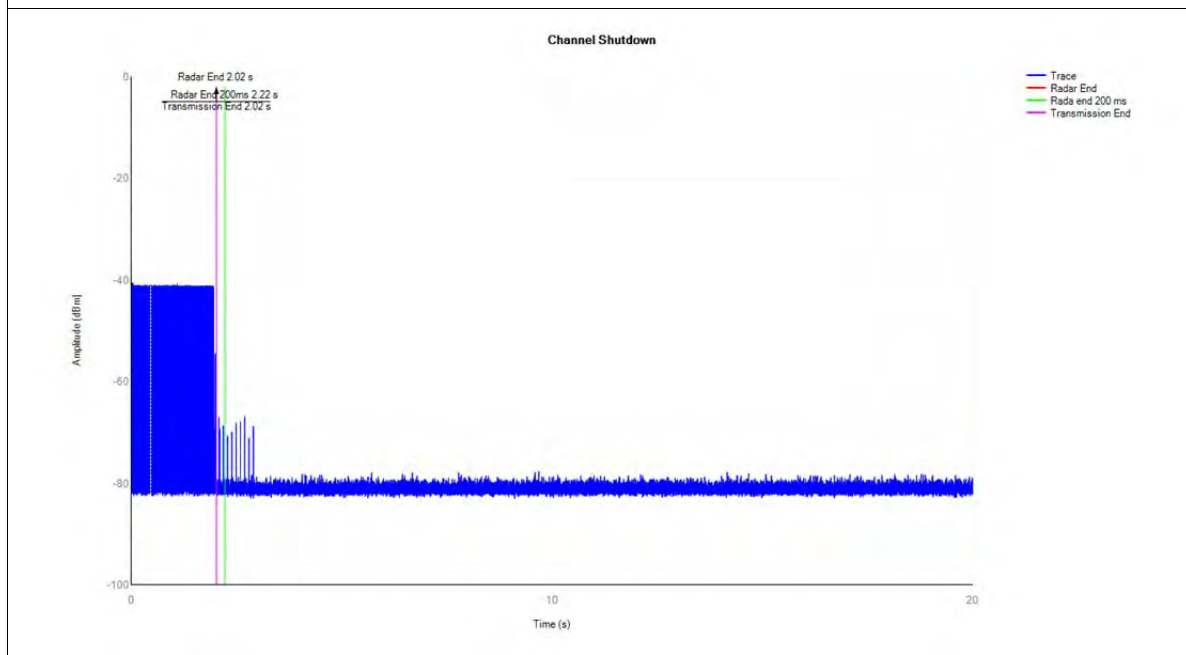
a 5500MHz Shutdown



ac80 5290MHz Shutdown



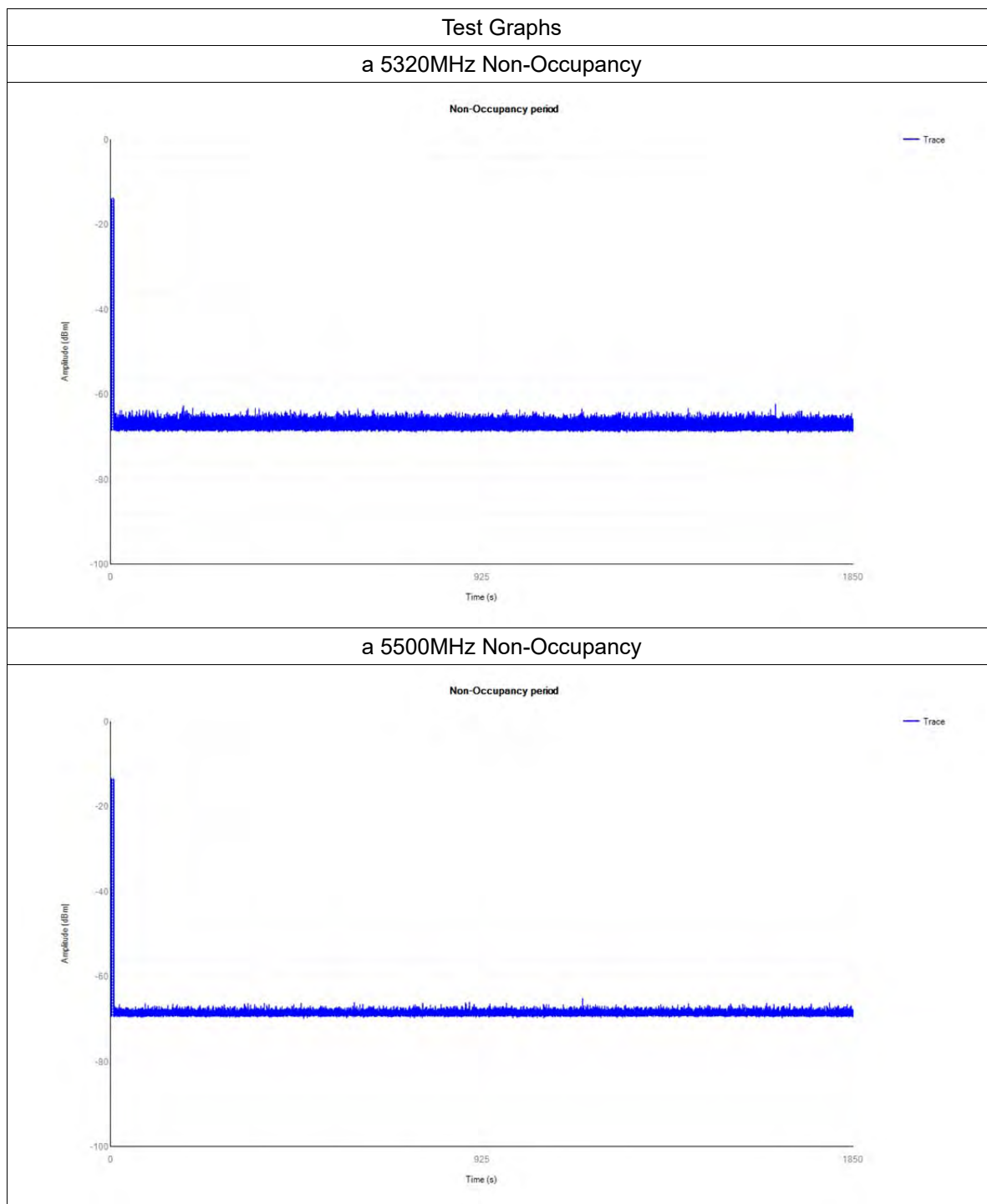
ac80 5530MHz Shutdown





Non-Occupancy Period

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





A.7. Conducted Emission

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

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

A. Test Setup:

Test Mode: EUT + Adapter + Earphone + WIFI TX

Test voltage: AC 120V/60Hz

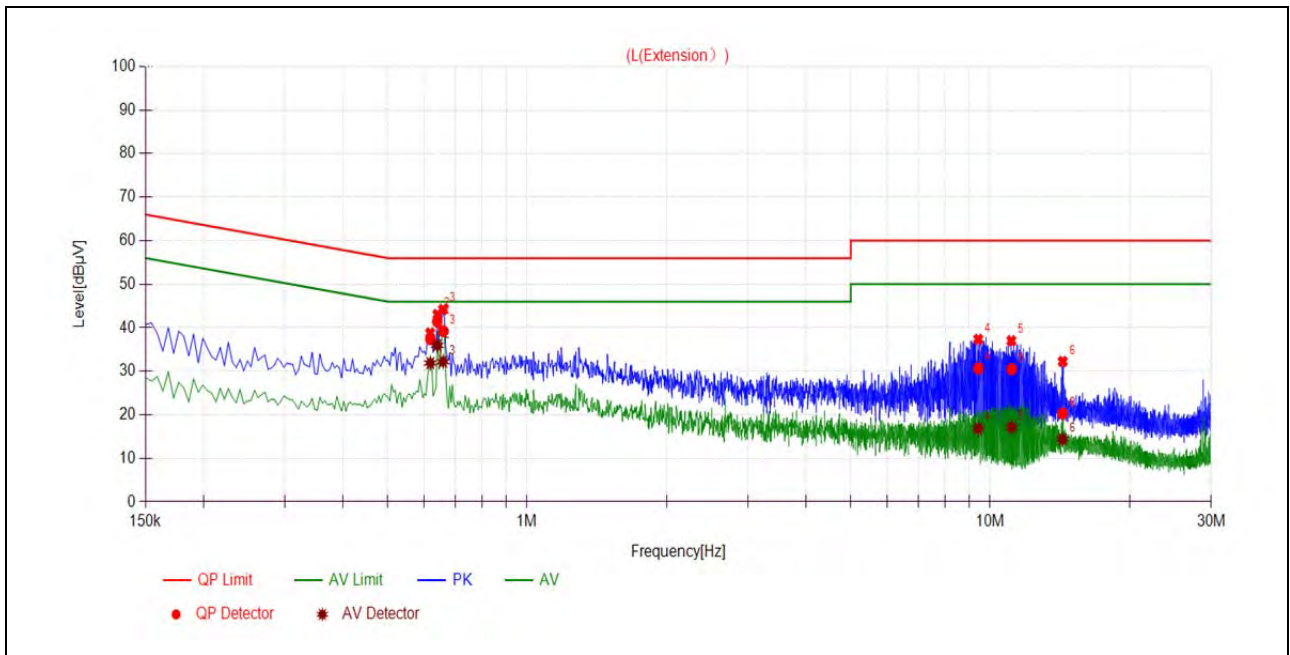
The measurement results are obtained as below:

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

U_R : Receiver Reading

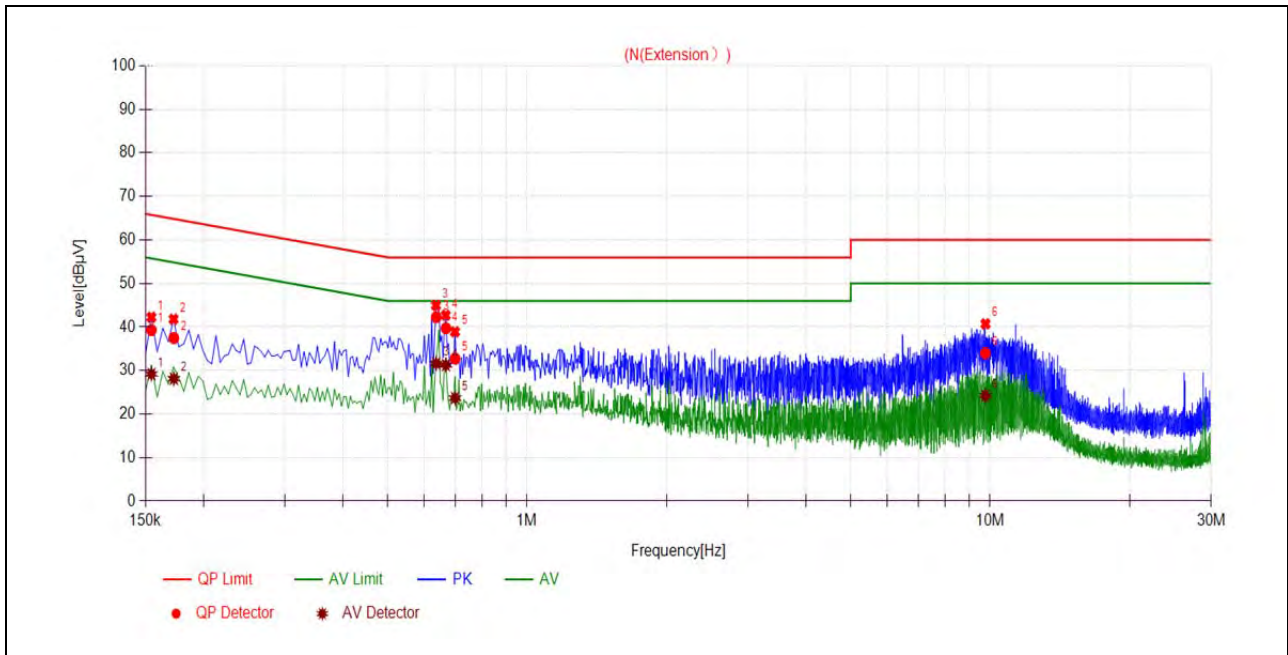
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.6183	37.37	31.88	56.00	46.00	Line	PASS
2	0.6399	41.42	35.96	56.00	46.00		PASS
3	0.6589	39.23	32.22	56.00	46.00		PASS
4	9.4254	30.68	16.84	60.00	50.00		PASS
5	11.1221	30.50	17.13	60.00	50.00		PASS
6	14.3287	20.27	14.36	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	0.1545	39.28	29.19	65.75	55.75	Neutral	PASS
2	0.1727	37.47	28.12	64.83	54.83		PASS
3	0.6365	42.27	31.63	56.00	46.00		PASS
4	0.6679	39.72	31.26	56.00	46.00		PASS
5	0.6991	32.74	23.67	56.00	46.00		PASS
6	9.7644	33.97	24.24	60.00	50.00		PASS



A.8. Restricted Frequency Bands

The lowest and highest channels are tested to verify the Restricted Frequency Bands.

The measurement results are obtained as below:

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

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

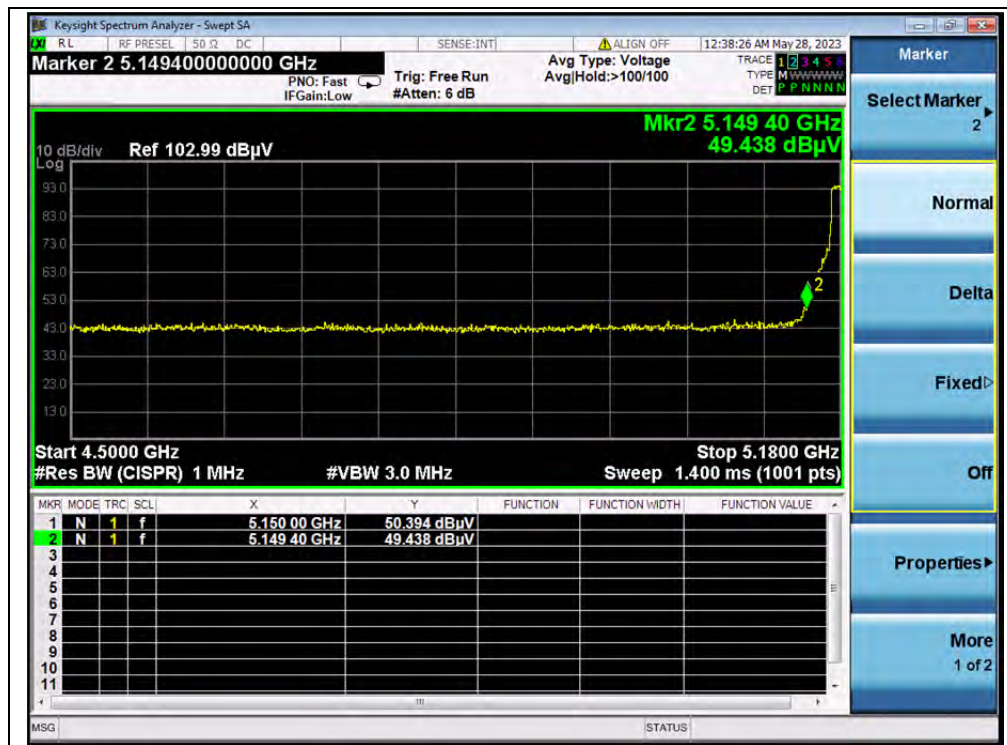
A_{Factor} : Antenna Factor at 3m

Note 1: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

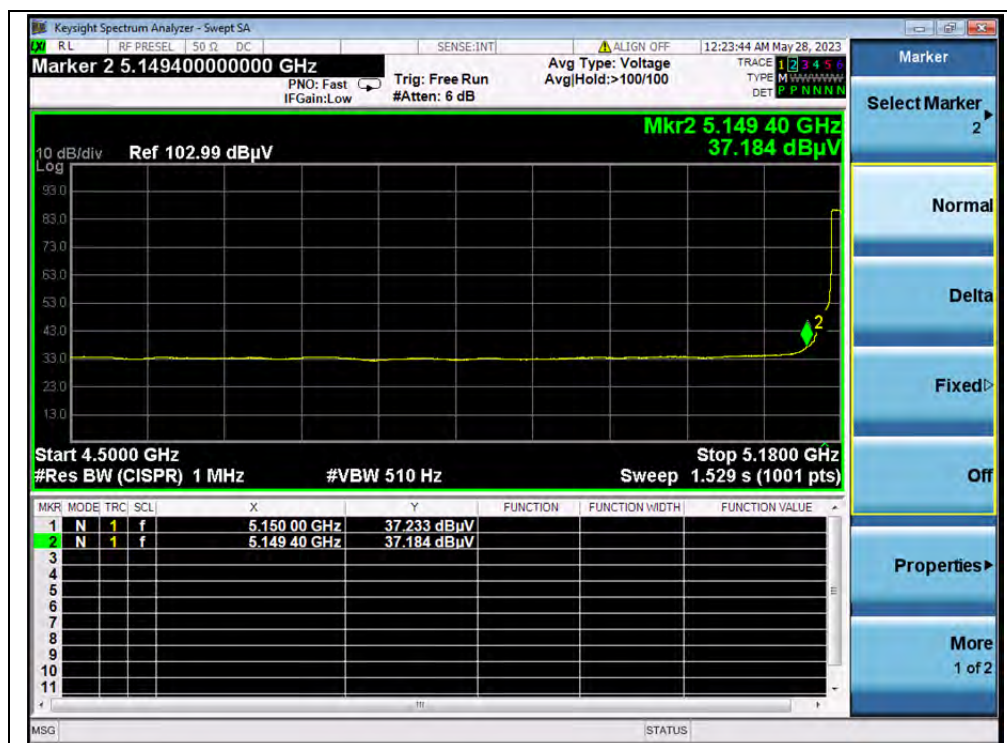
Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11aMode

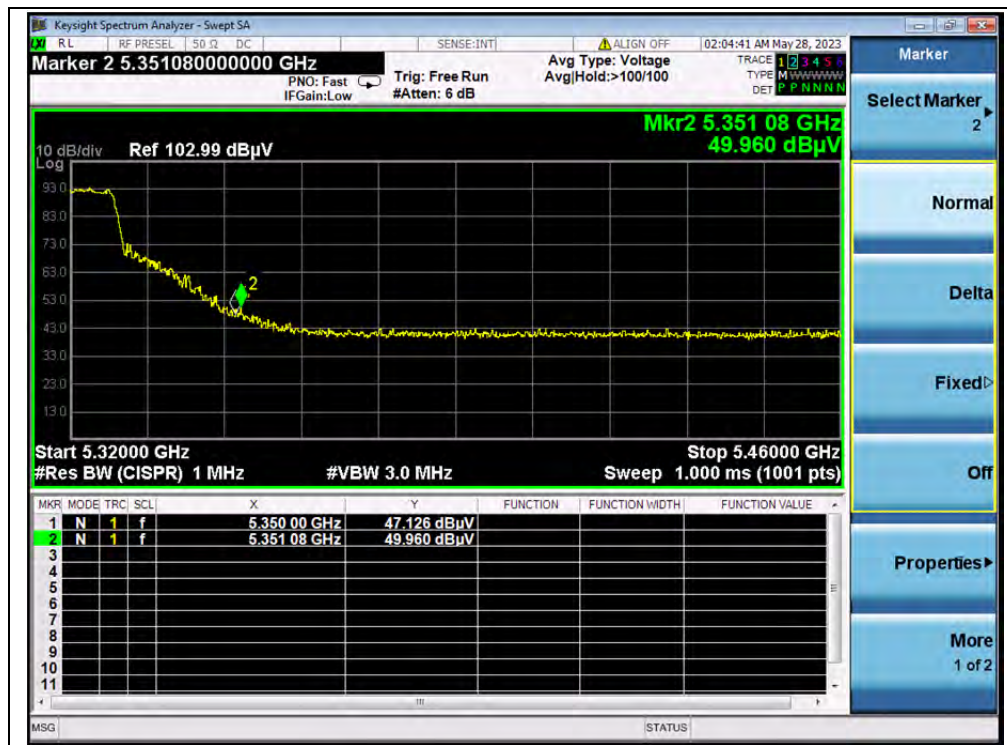
Channel	Frequency (MHz)	Detector	Receiver Reading	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission	Limit (dBμV/m)	Verdict
		PK/ AV	U _R (dBμV)			E (dBμV/m)		
36	5150.00	PK	50.39	-19.54	32.20	63.05	74	PASS
36	5150.00	AV	37.23	-19.54	32.20	49.89	54	PASS
64	5351.08	PK	49.96	-18.80	32.20	63.36	74	PASS
64	5350.00	AV	37.20	-18.80	32.20	50.60	54	PASS
100	5469.87	PK	50.29	-19.20	32.20	63.29	68.23	PASS
100	5176.11	AV	34.08	-19.20	32.20	47.08	54	PASS
140	5725.00	PK	51.03	-19.20	32.20	64.03	68.23	PASS
149	5725.00	PK	59.45	-19.01	32.20	72.64	122.23	PASS
165	5850.00	PK	49.81	-19.01	32.20	63.00	122.23	PASS



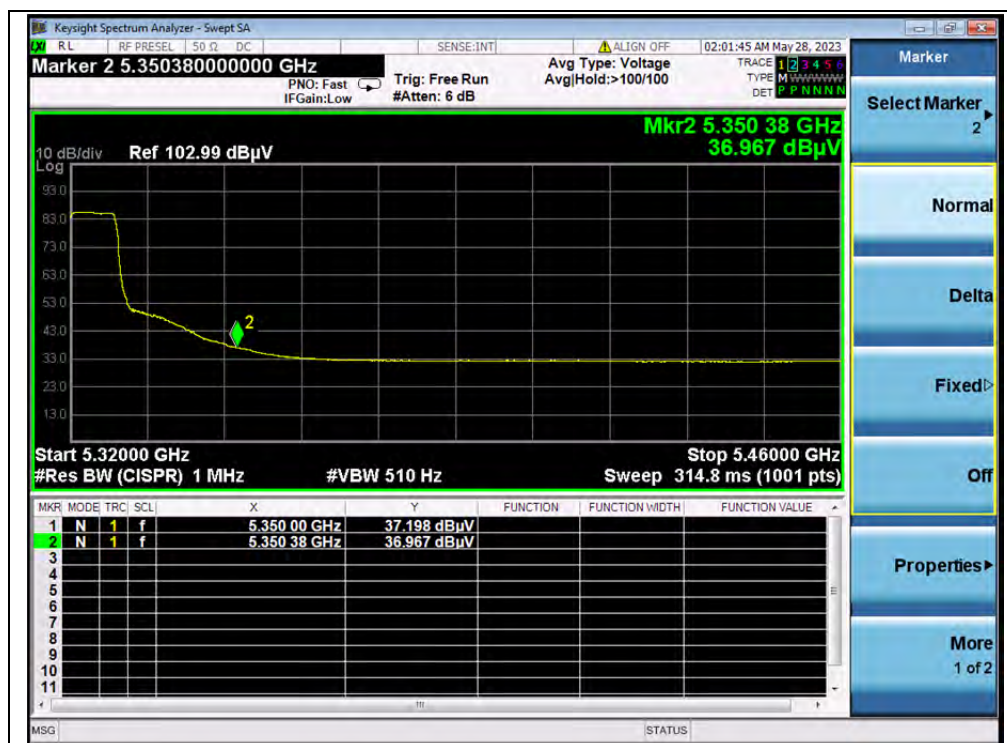
(PEAK,Channel 36, 802.11a)



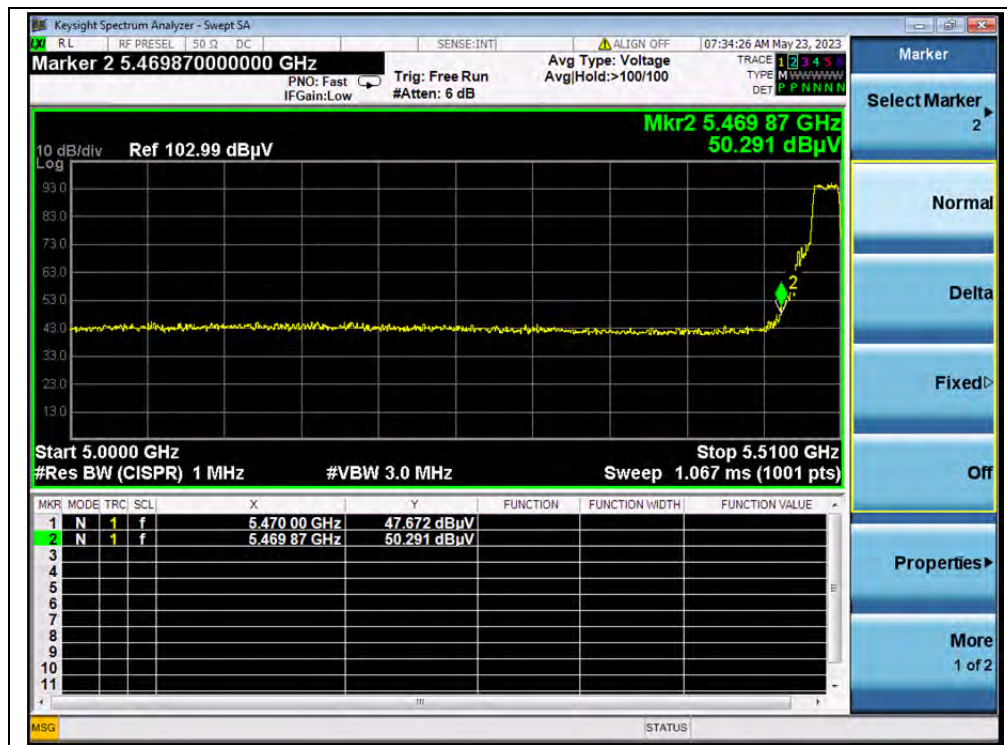
(AVERAGE,Channel 36,802.11a)



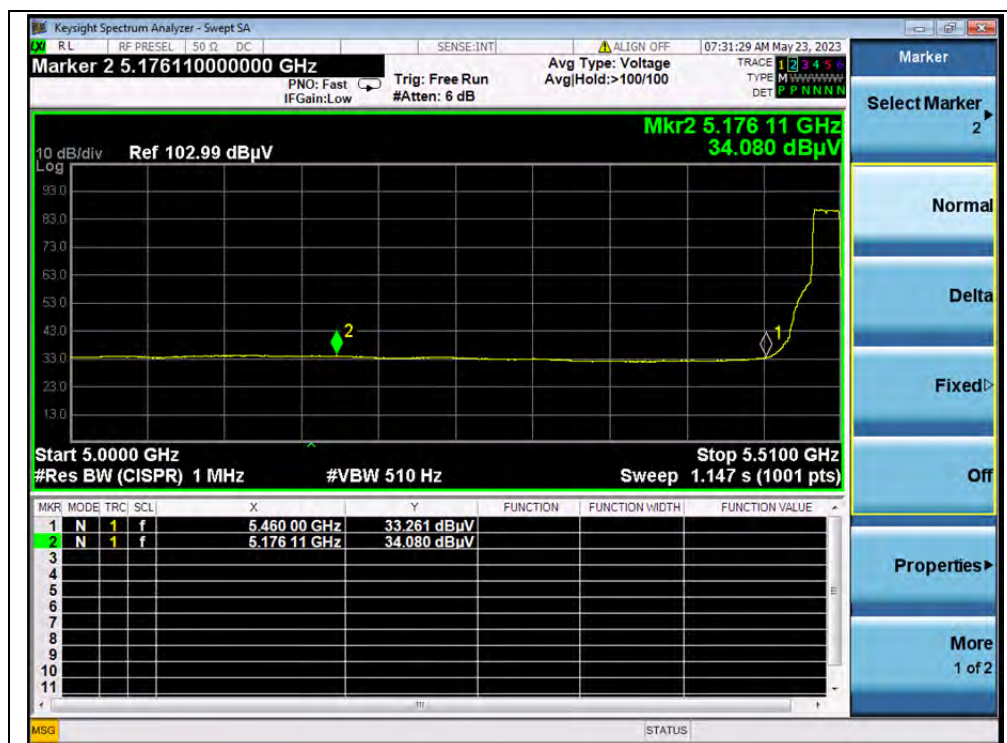
(PEAK,Channel 64, 802.11a)



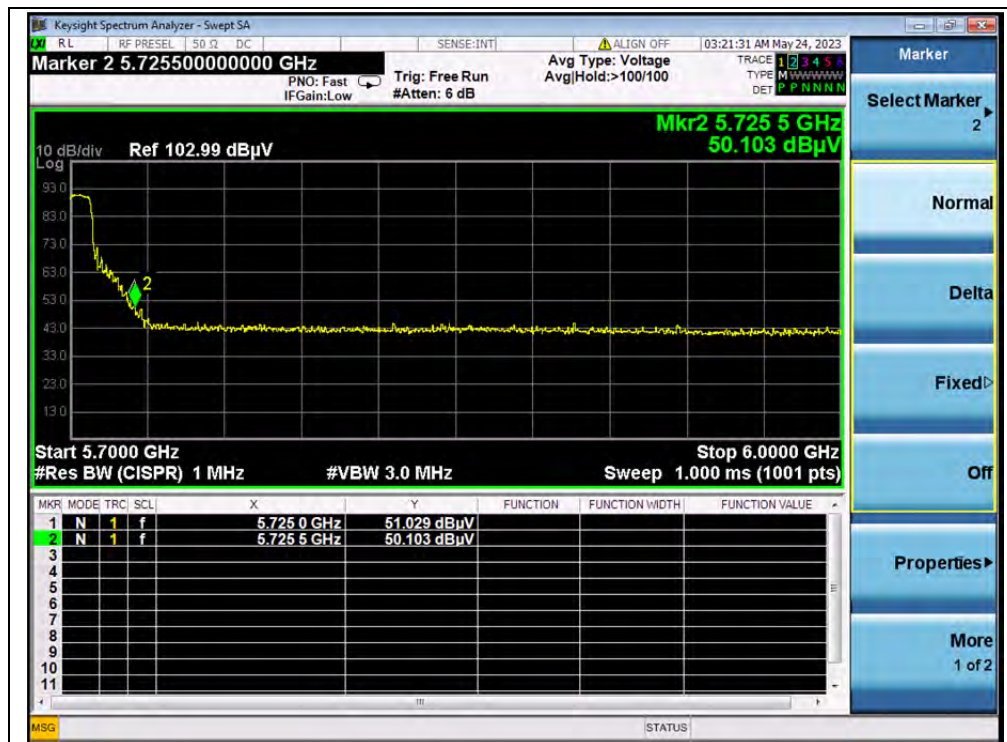
(AVERAGE,Channel 64, 802.11a)



(PEAK,Channel 100, 802.11a)



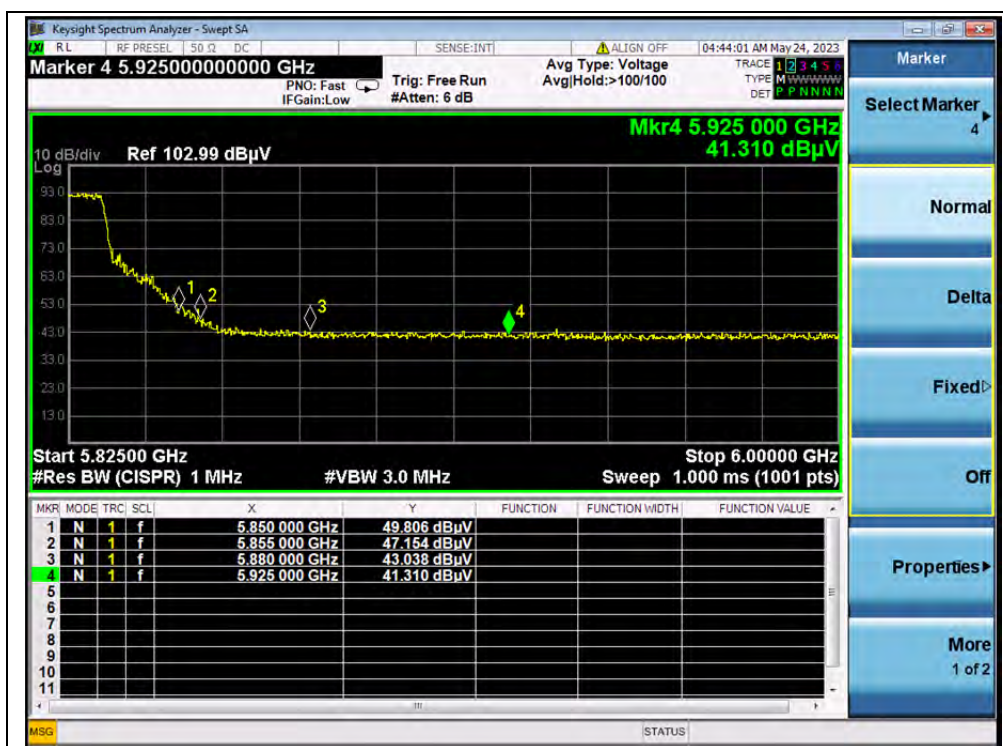
(AVERAGE,Channel 100, 802.11a)



(PEAK,Channel 140, 802.11a)



(PEAK,Channel 149, 802.11a)

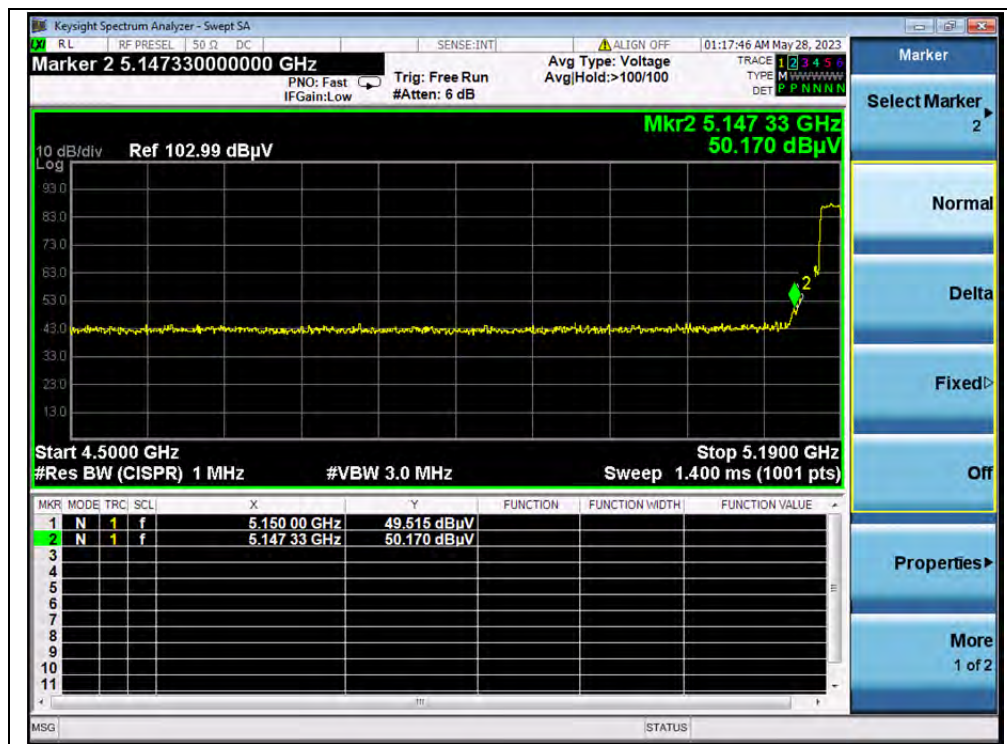


(PEAK,Channel 165, 802.11a)

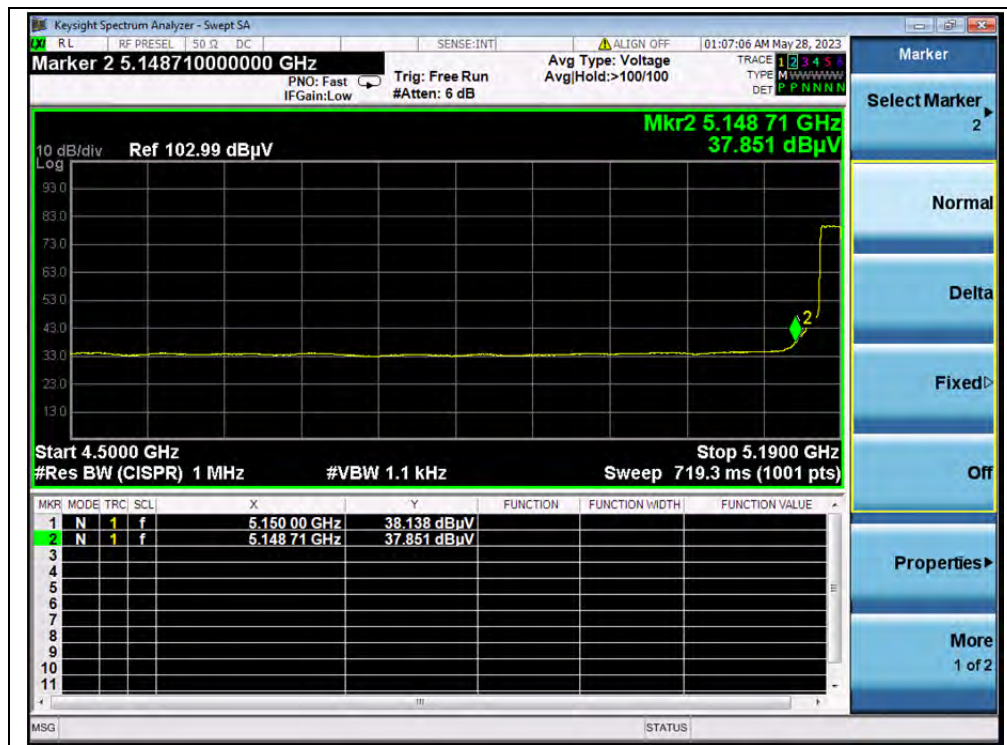


802.11n (HT40)Mode

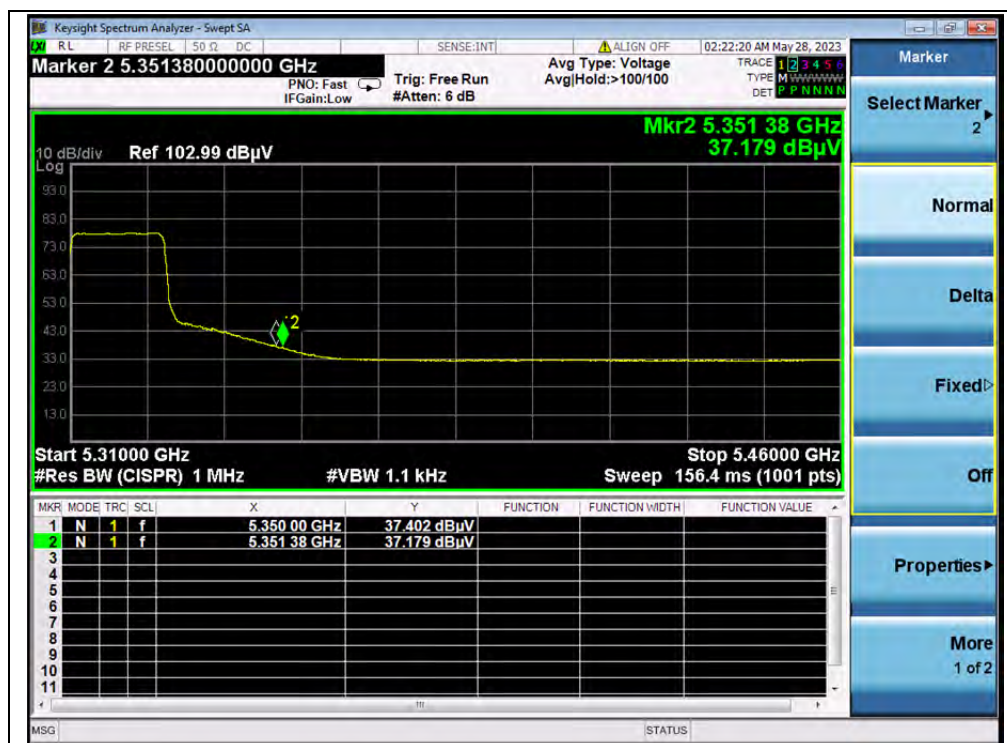
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
38	5147.33	PK	50.17	-19.54	32.20	62.83	74	PASS
38	5150.00	AV	38.14	-19.54	32.20	50.80	54	PASS
62	5351.23	PK	51.60	-18.80	32.20	65.00	74	PASS
62	5350.00	AV	37.40	-18.80	32.20	50.80	54	PASS
102	5467.51	PK	51.44	-19.20	32.20	64.44	68.23	PASS
102	5460.00	AV	33.31	-19.20	32.20	46.31	54	PASS
134	5726.10	PK	45.78	-19.20	32.20	58.78	68.23	PASS
151	5725.00	PK	60.28	-19.01	32.20	73.47	122.23	PASS
159	5850.00	PK	43.91	-19.01	32.20	57.10	122.23	PASS



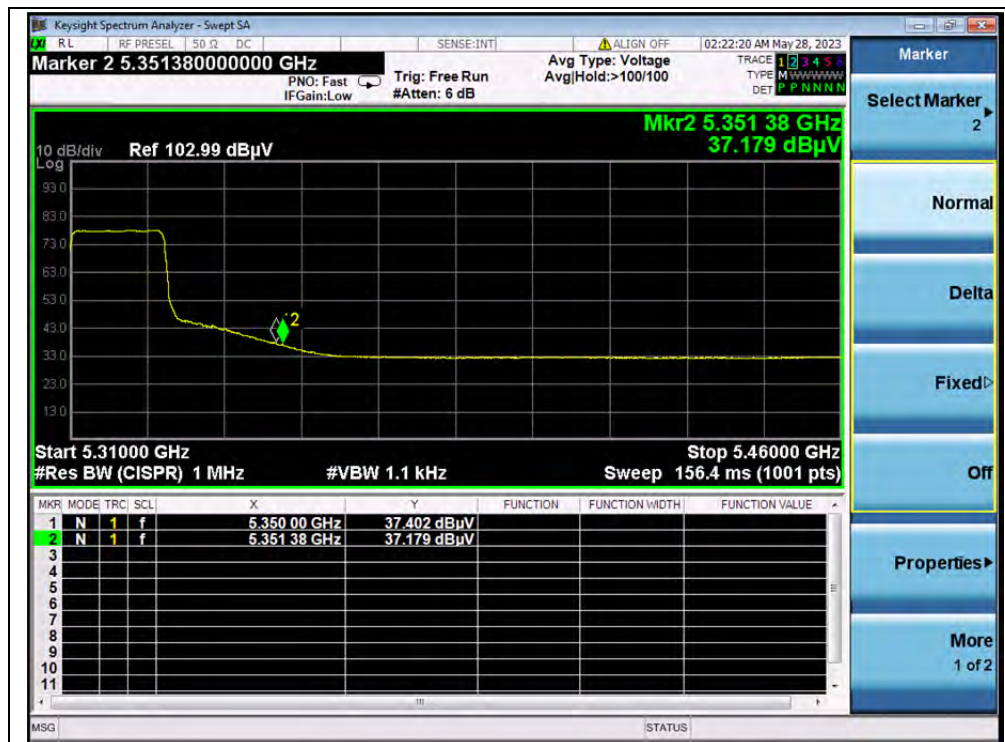
(PEAK,Channel 38, 802.11n (HT40))



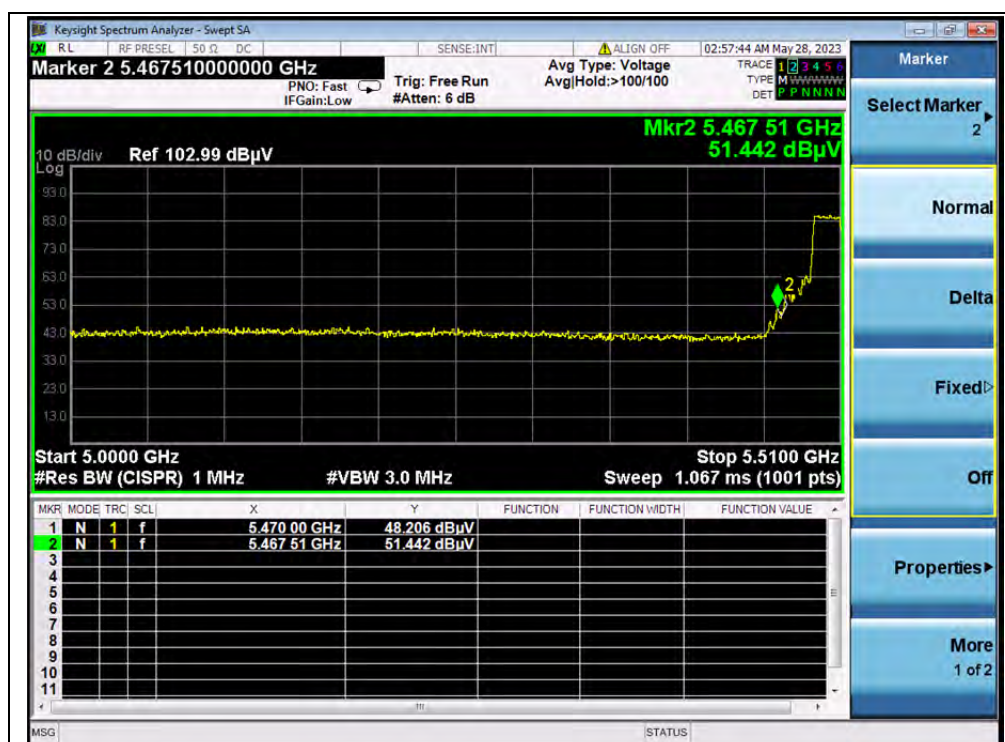
(AVERAGE, Channel 38, 802.11n (HT40))



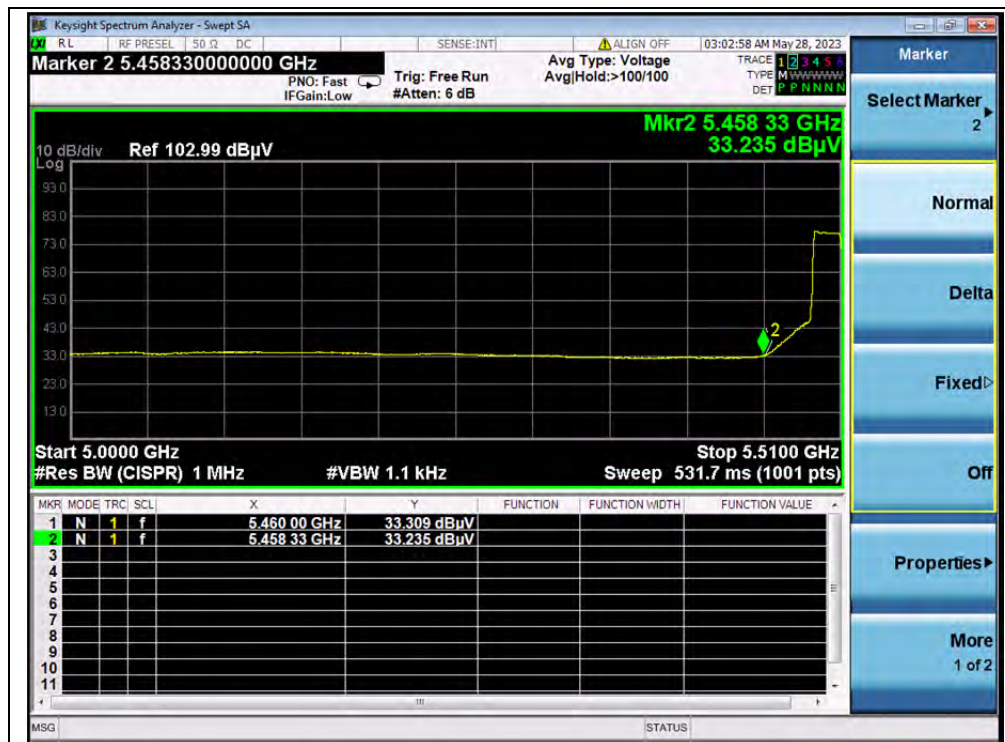
(PEAK, Channel 62, 802.11n (HT40))



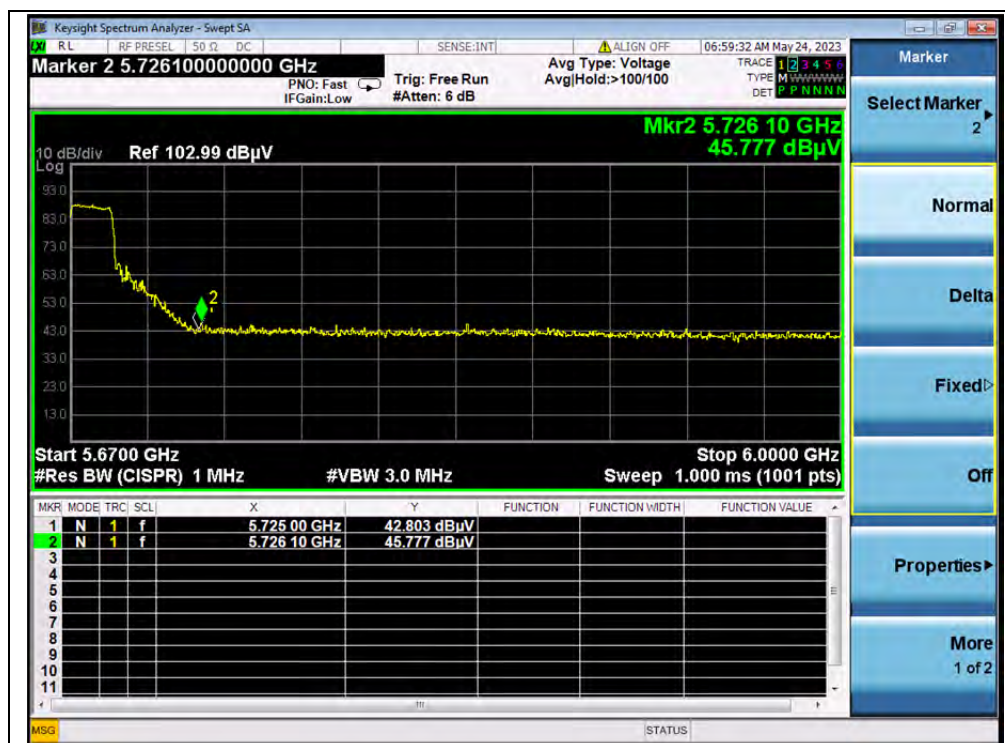
(AVERAGE, Channel 62, 802.11n (HT40))



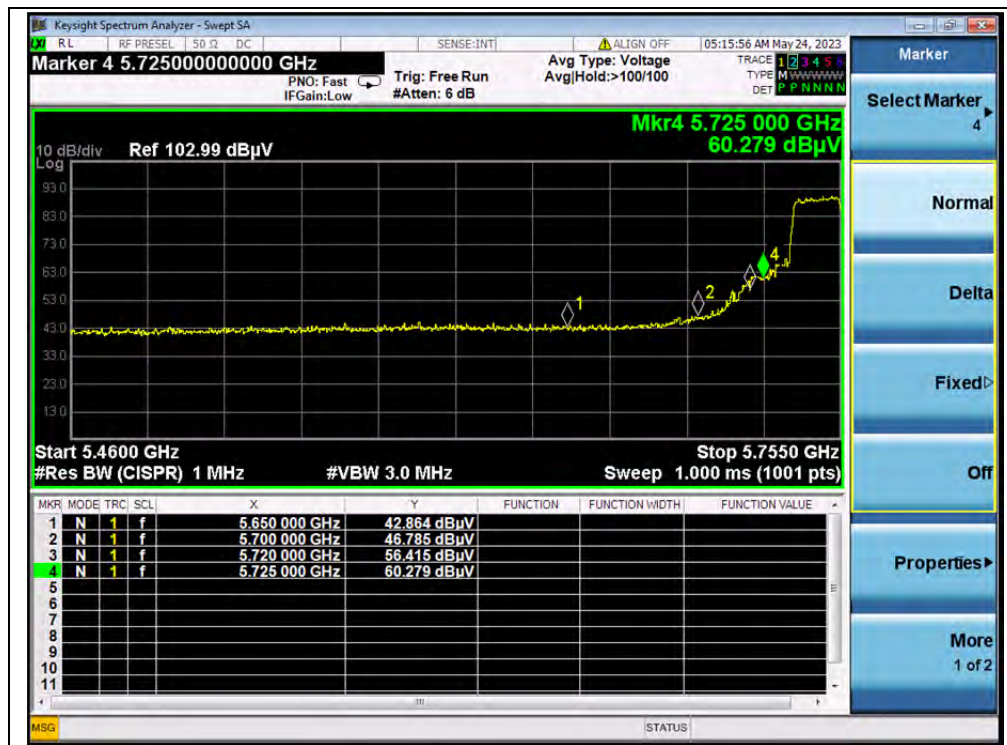
(PEAK, Channel 102, 802.11n (HT40))



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



(PEAK, Channel 134, 802.11n (HT40))



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

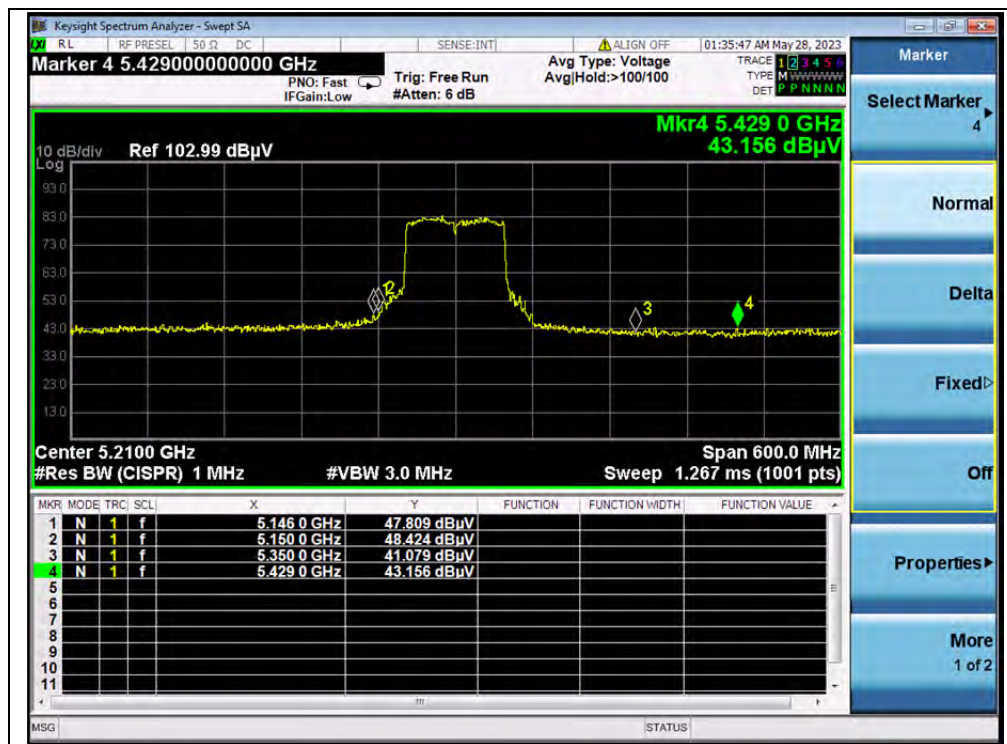


(PEAK,Channel 159, 802.11n (HT40))

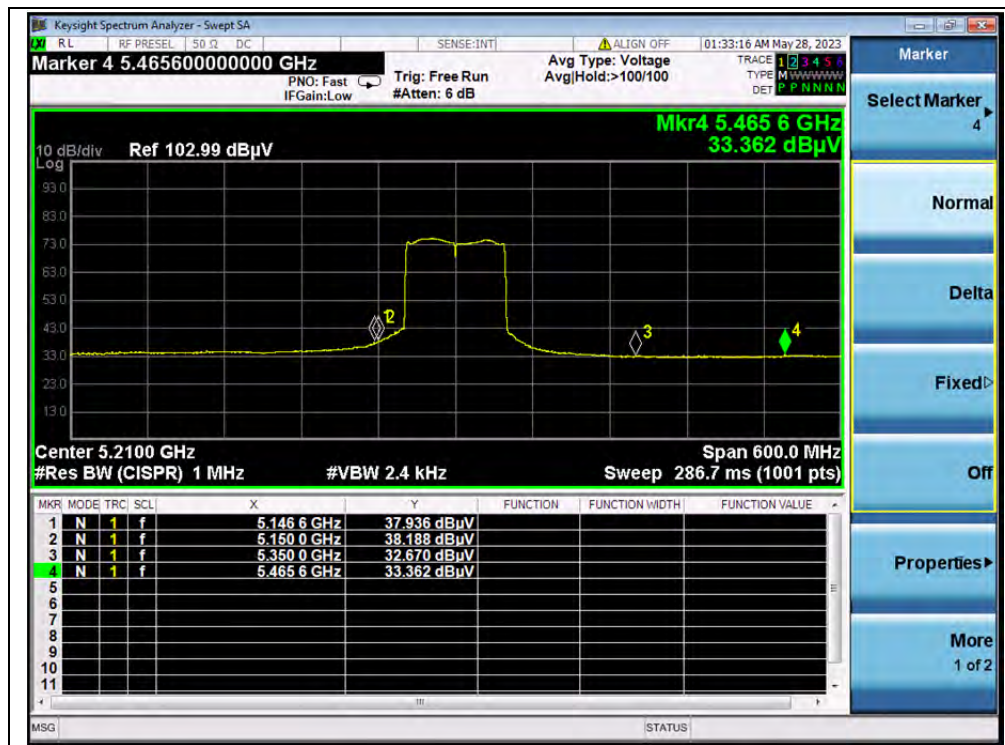


802.11ac (VHT80)Mode

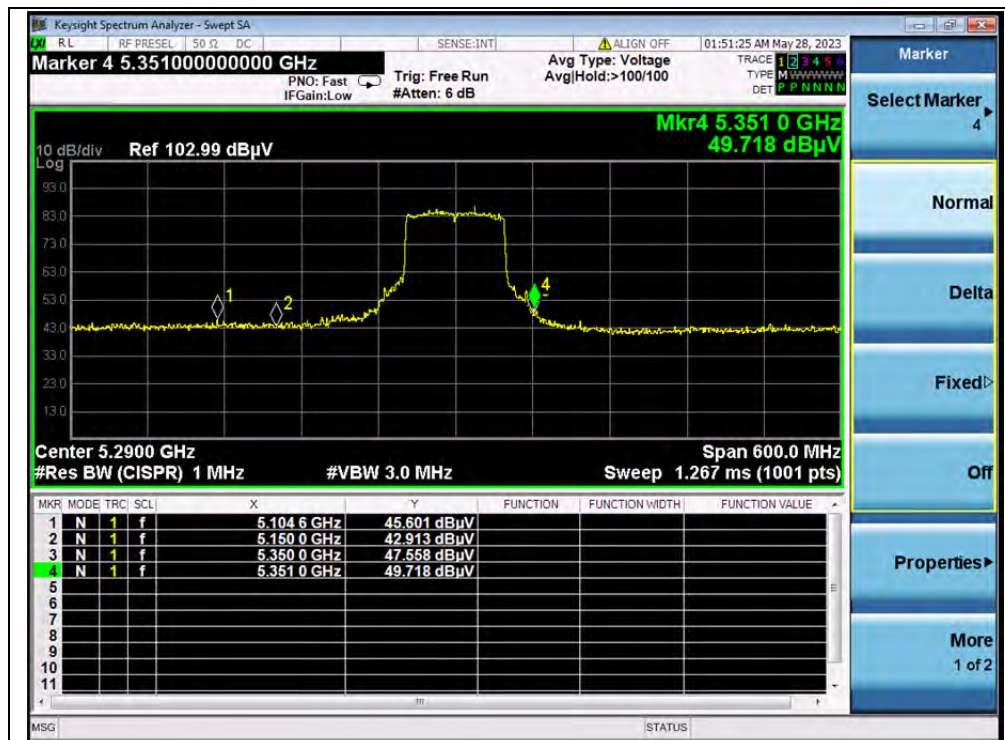
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
42	5150.00	PK	48.42	-19.54	32.20	61.08	74	PASS
42	5150.00	AV	38.19	-19.54	32.20	50.85	54	PASS
58	5351.00	PK	49.72	-18.80	32.20	63.12	74	PASS
58	5350.00	AV	38.00	-18.80	32.20	51.40	54	PASS
106	5469.58	PK	48.80	-19.20	32.20	61.80	68.23	PASS
106	5460.00	AV	36.72	-19.20	32.20	49.72	54	PASS
138	5726.10	PK	45.78	-19.20	32.20	58.78	68.23	PASS
155	5725.00	PK	56.78	-19.01	32.20	69.97	122.23	PASS
155	5850.00	PK	46.33	-19.01	32.20	59.52	122.23	PASS



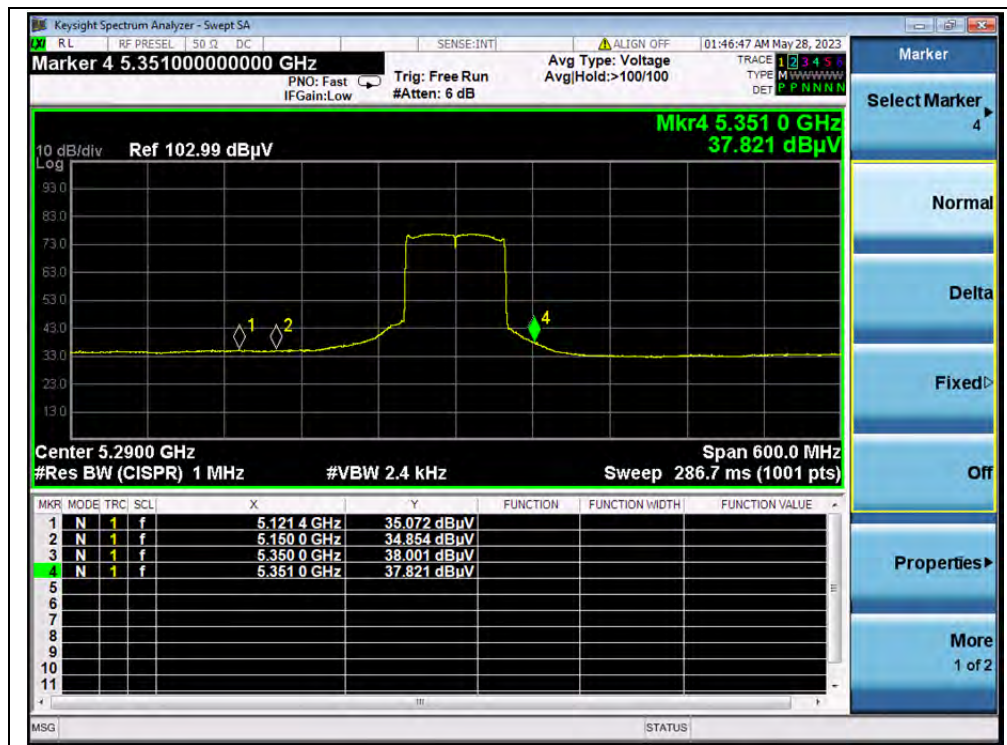
(PEAK,Channel 42,802.11ac (VHT80))



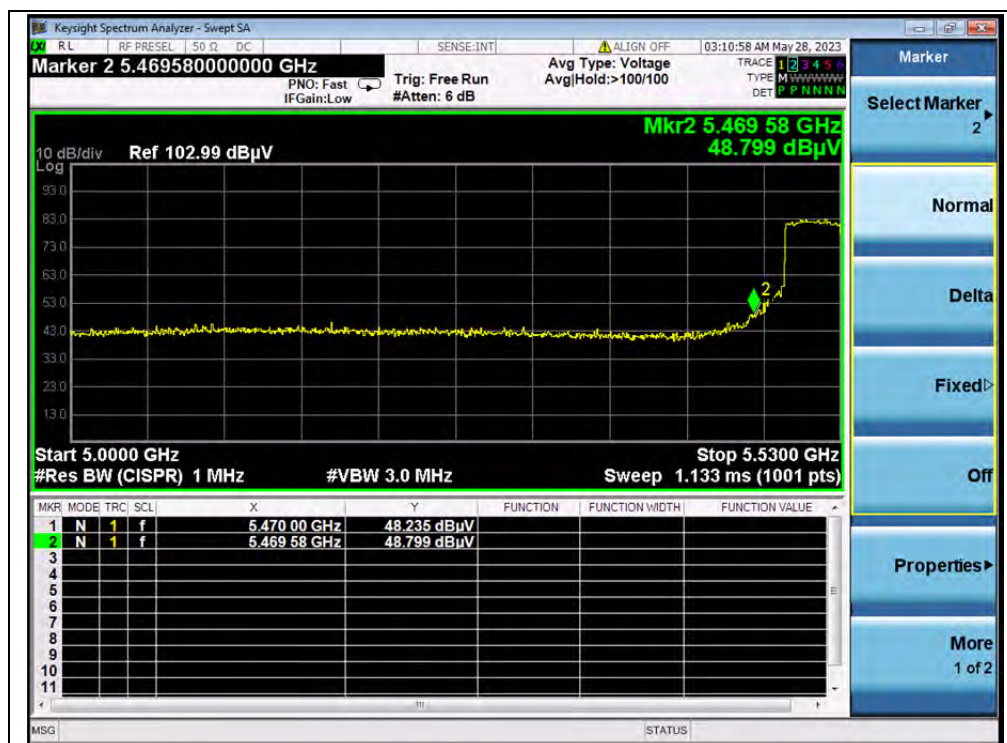
(AVERAGE, Channel 42, 802.11ac (VHT80))



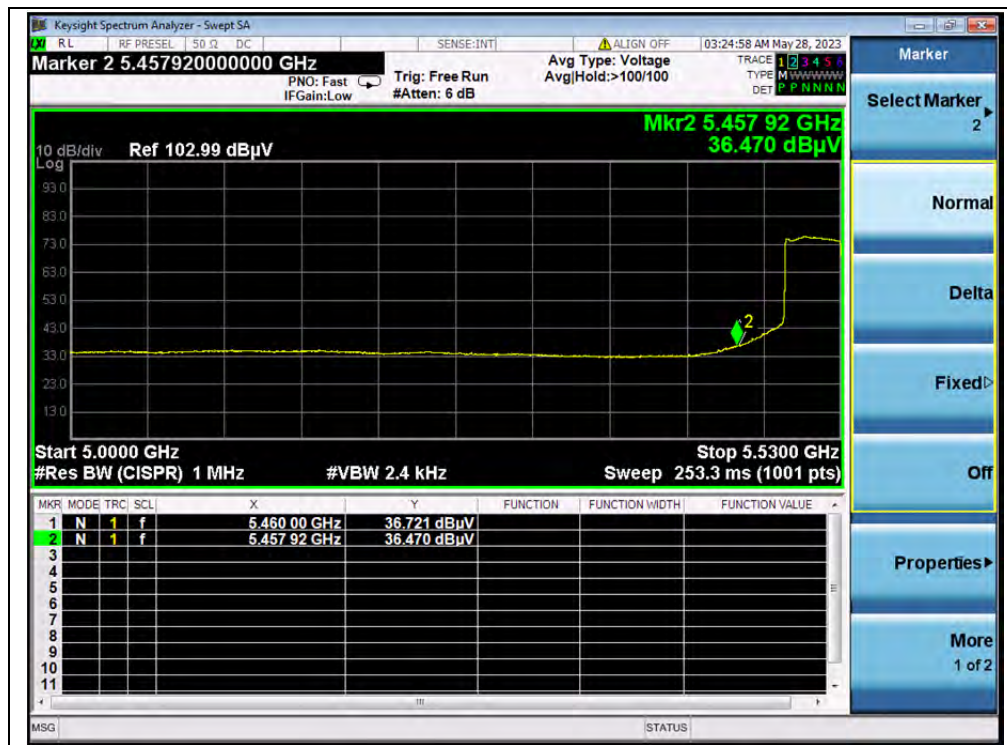
(PEAK, Channel 58, 802.11ac (VHT80))



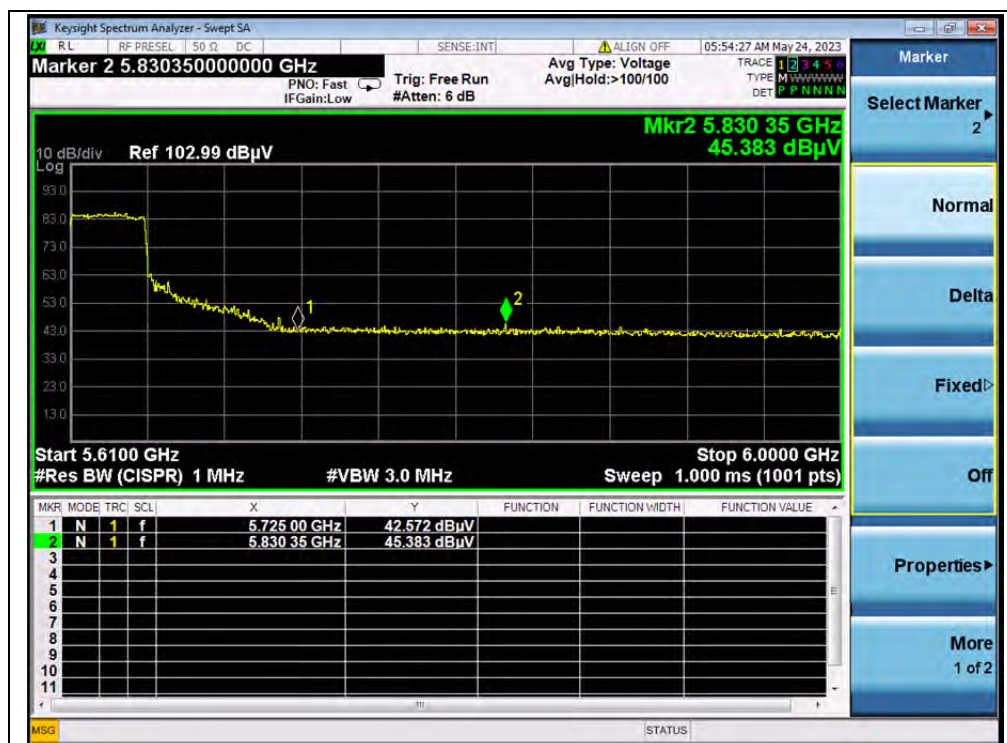
(AVERAGE, Channel 58, 802.11ac (VHT80))



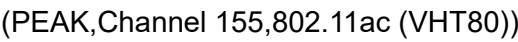
(PEAK, Channel 106, 802.11ac (VHT80))



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



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





A.9. Radiated Emission

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

The measurement results are obtained as below:

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

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

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

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

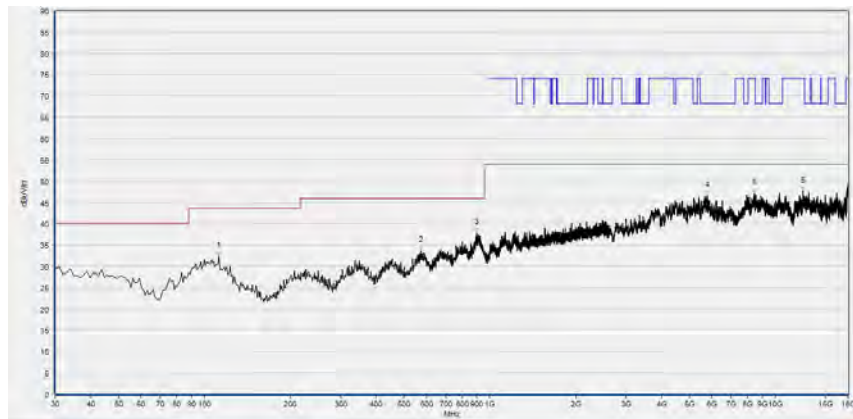
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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

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

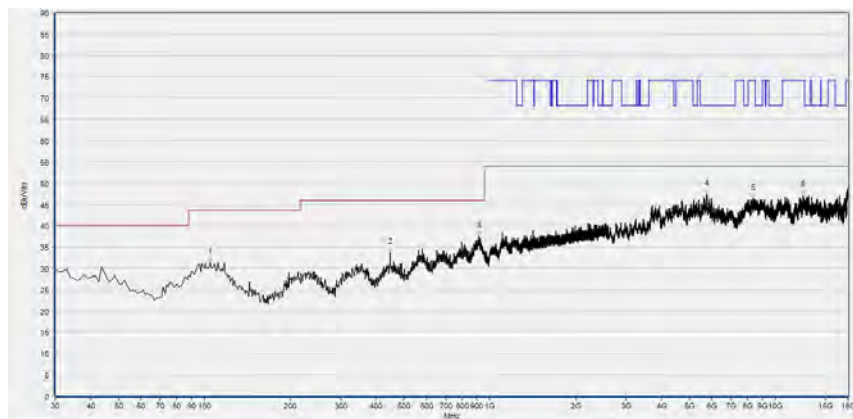
**802.11a Mode**

Plot for Channel 36



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.533	32.42	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
573.744	33.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
897.077	37.83	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5782.276	46.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8447.009	47.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12501.100	47.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

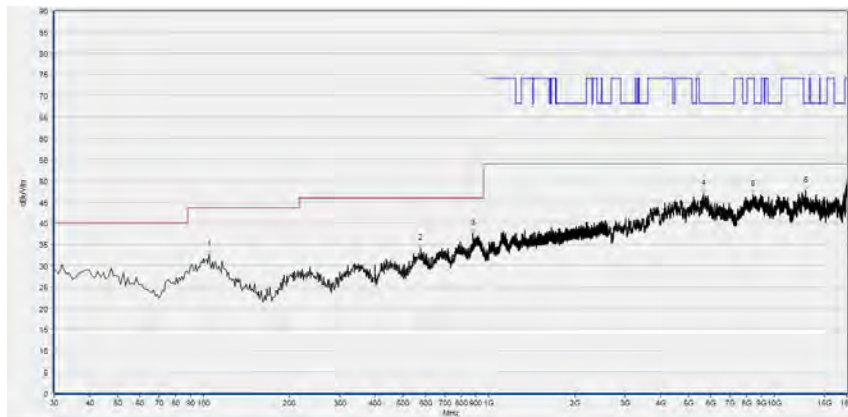


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	31.36	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
447.518	33.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
913.584	37.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5766.873	47.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8357.672	46.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12501.100	47.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

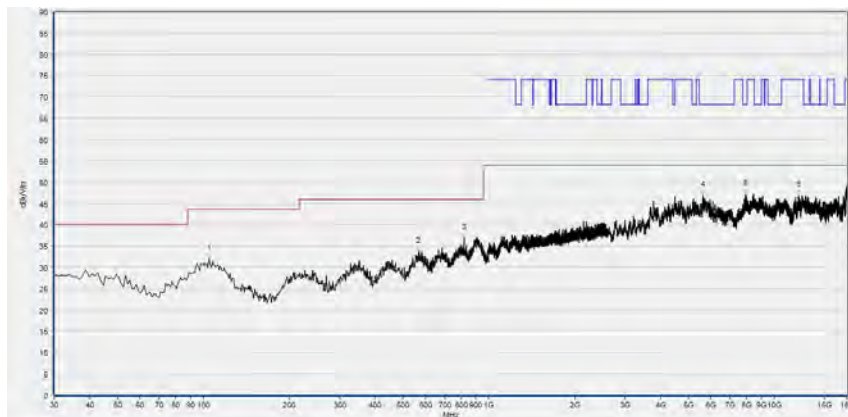


Plot for Channel 44



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	32.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
576.657	33.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
880.571	37.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5646.729	46.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8391.558	46.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12901.580	47.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

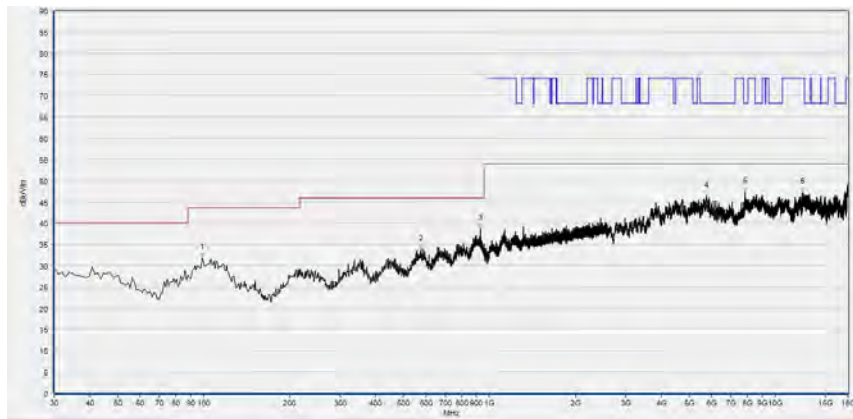
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	31.98	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
567.918	33.75	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
818.428	36.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5634.407	46.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7929.466	47.11	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12162.232	46.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

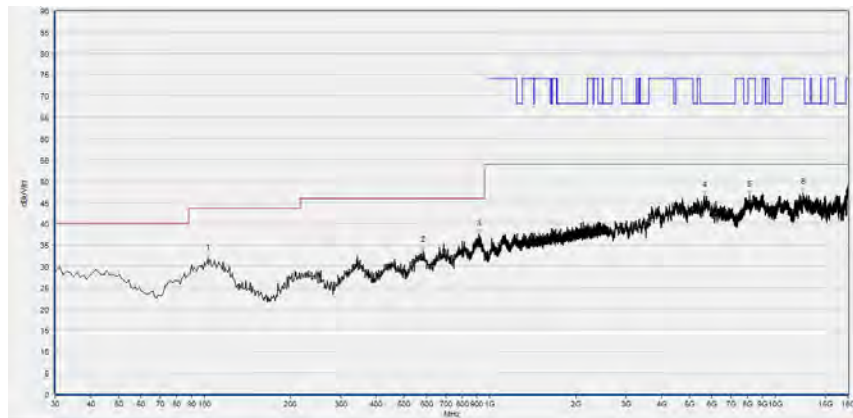
(Antenna Vertical, 30MHz to 18GHz)

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
98.939	31.92	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
576.657	33.80	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
930.090	38.73	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5748.390	46.50	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7855.531	47.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12482.617	47.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

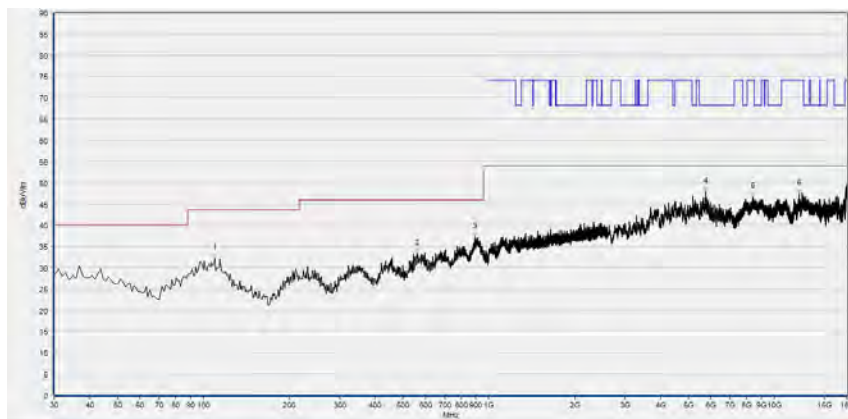


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	31.86	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
584.424	33.76	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
913.584	37.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5646.729	46.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8138.948	46.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12507.261	47.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

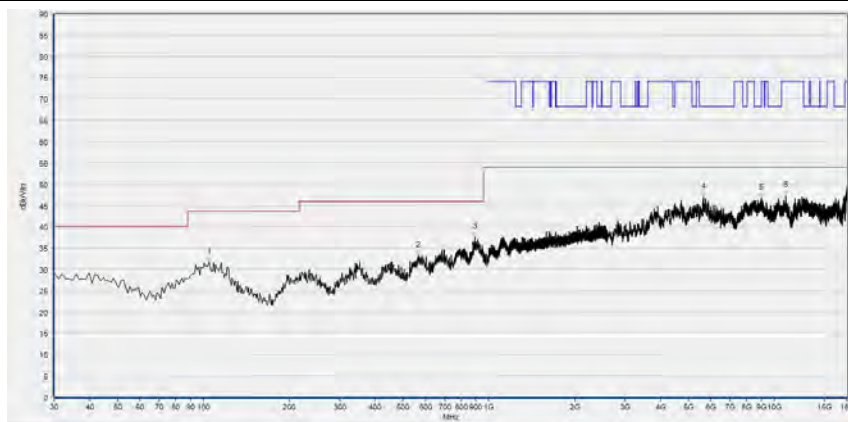


Plot for Channel 52



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	32.11	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
562.092	33.35	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
892.222	37.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5757.632	48.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8419.284	46.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12205.361	47.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

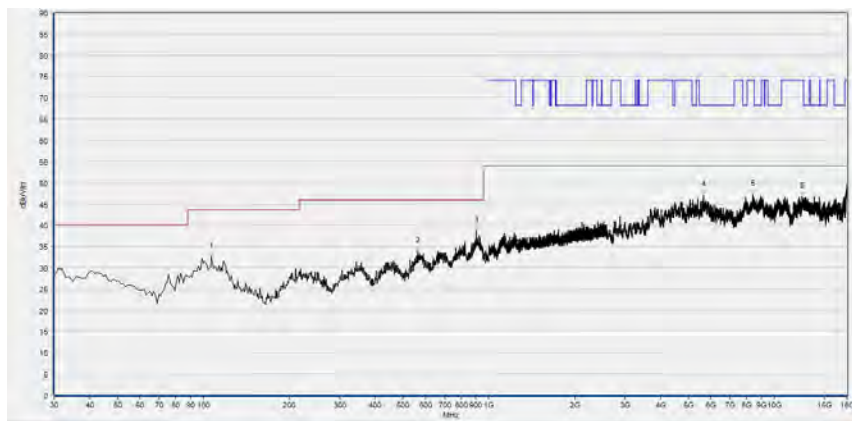


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	31.60	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
566.947	33.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
894.164	37.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5640.568	46.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8989.198	46.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10994.679	47.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

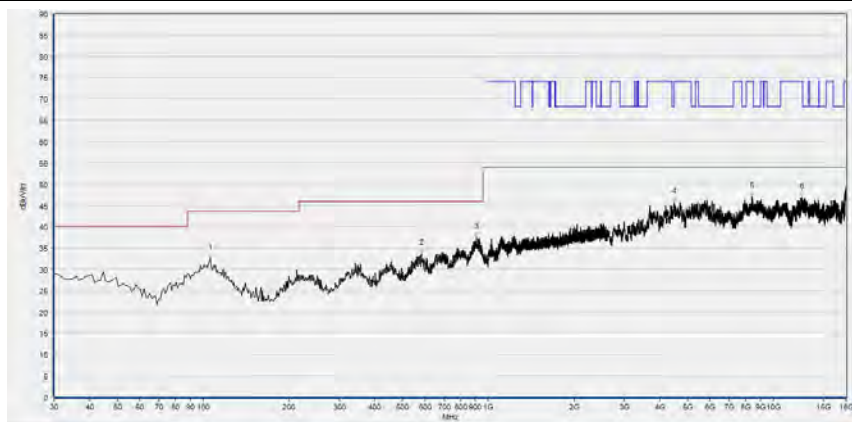


Plot for Channel 60



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
106.707	32.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
565.005	33.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.903	38.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5640.568	47.15	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8413.123	47.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12501.100	46.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

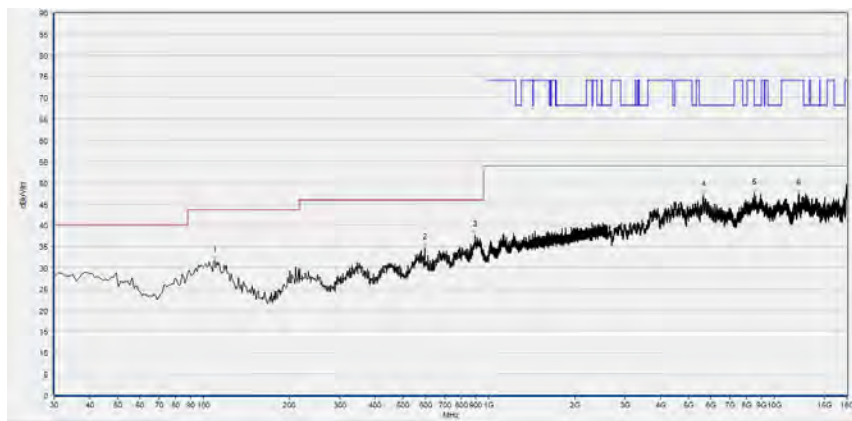
(Antenna Horizontal, 30MHz to 18GHz)



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
105.736	32.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
582.482	33.69	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
908.729	37.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4500.740	45.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8413.123	47.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12599.680	46.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

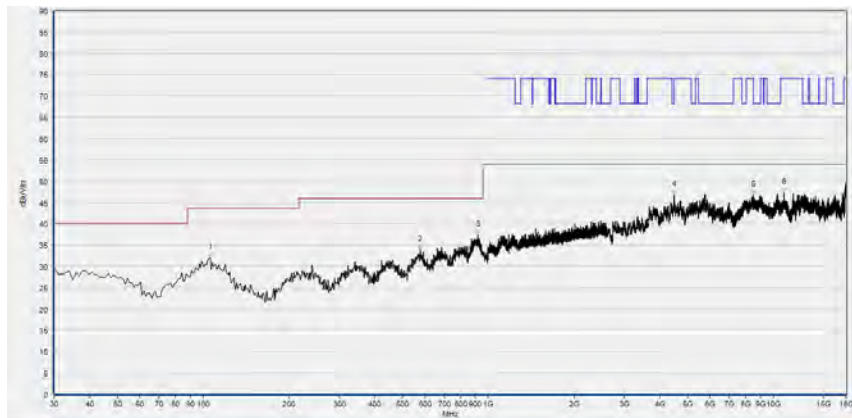
(Antenna Vertical, 30MHz to 18GHz)

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
109.620	31.64	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
597.047	34.73	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
893.193	37.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5640.568	47.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8511.702	47.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12171.474	47.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

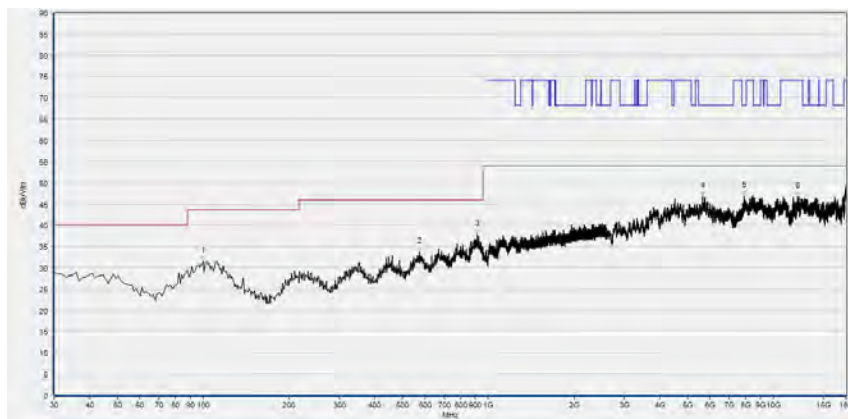


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	32.04	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
577.628	33.91	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
920.380	37.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4500.740	46.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8487.057	46.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10923.825	47.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

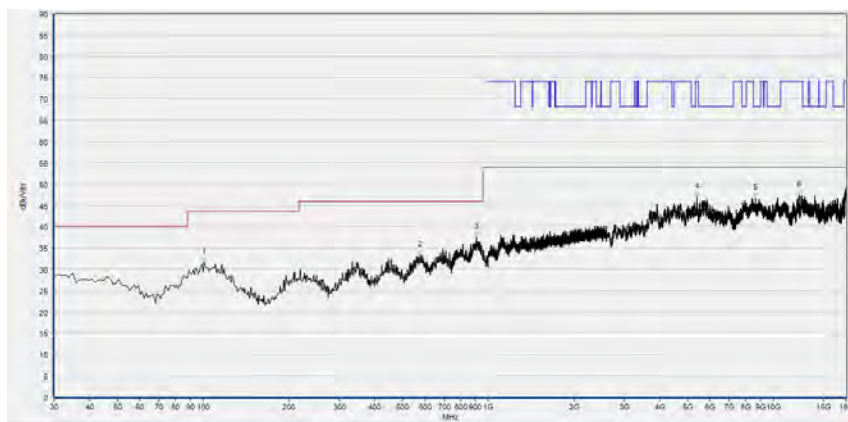


Plot for Channel 100



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
99.910	31.43	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
574.715	33.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
913.584	37.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5643.649	46.81	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7917.143	46.90	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12196.119	46.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

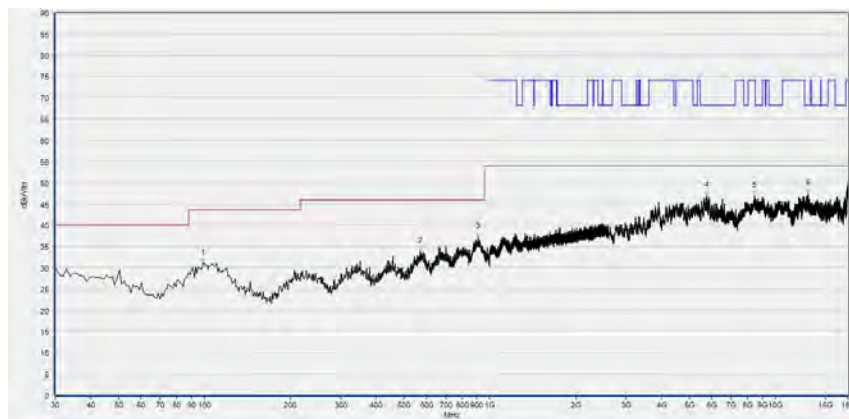
(Antenna Horizontal, 30MHz to 18GHz)



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	31.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
577.628	33.35	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
907.758	37.58	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5400.280	46.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8671.894	46.77	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12291.618	47.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

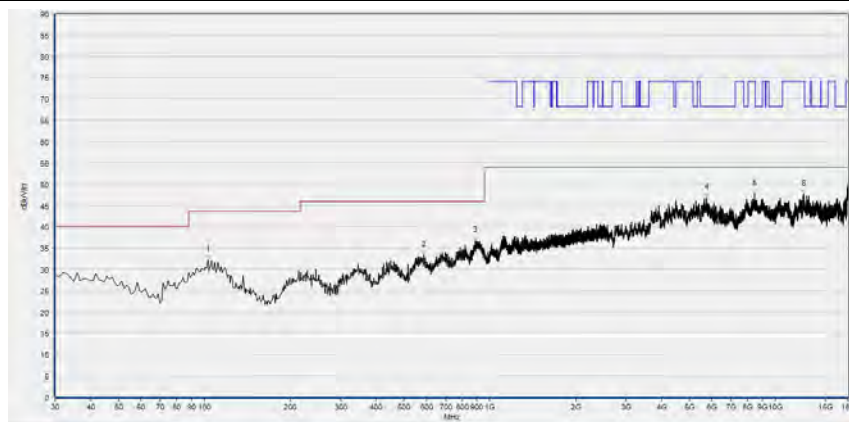
(Antenna Vertical, 30MHz to 18GHz)

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
98.939	31.07	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
568.889	33.87	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
911.642	37.13	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5736.067	47.00	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8456.251	46.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13067.934	47.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

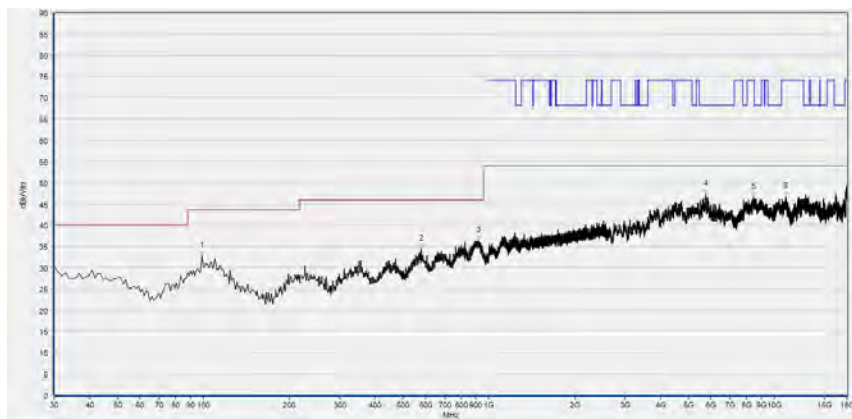


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	32.15	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
586.366	33.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
890.280	36.63	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5757.632	46.75	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8459.332	47.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12578.116	47.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

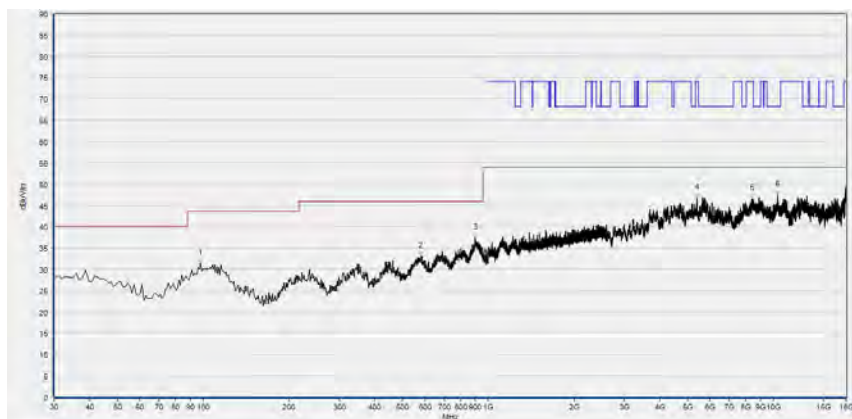


Plot for Channel 140



Fre. (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	32.64	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
580.541	34.36	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
920.380	36.38	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5751.470	47.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8459.332	46.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10982.356	46.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

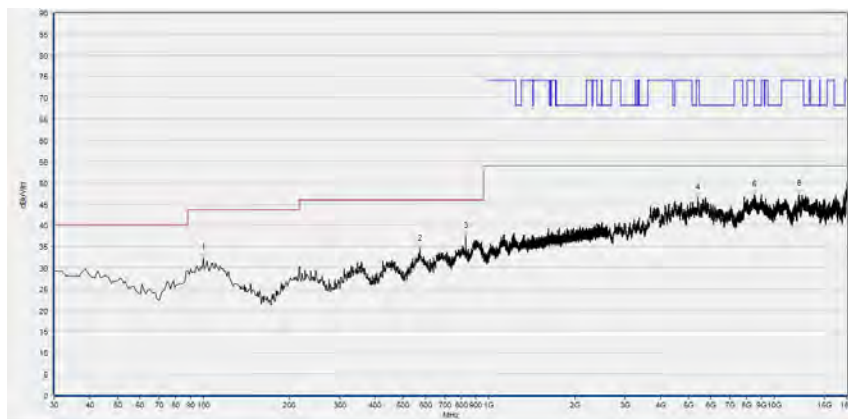
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.968	31.35	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
581.512	32.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.019	37.44	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5397.199	46.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8410.042	46.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10323.105	47.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

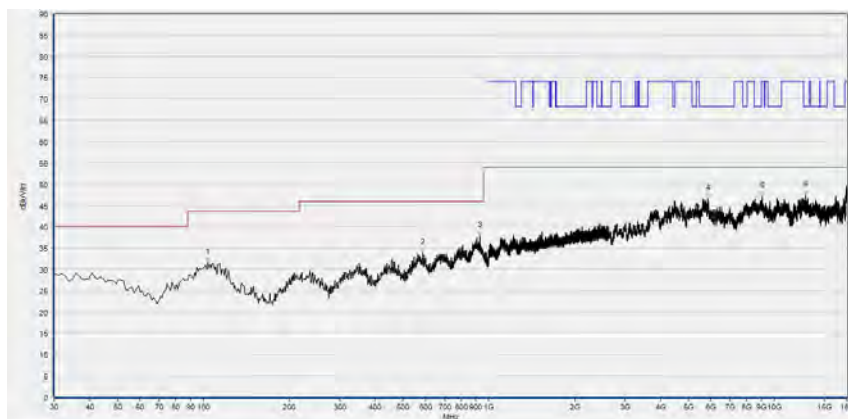
(Antenna Vertical, 30MHz to 18GHz)

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
99.910	32.26	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
573.744	34.34	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
831.051	37.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5397.199	46.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8530.186	47.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12202.280	47.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

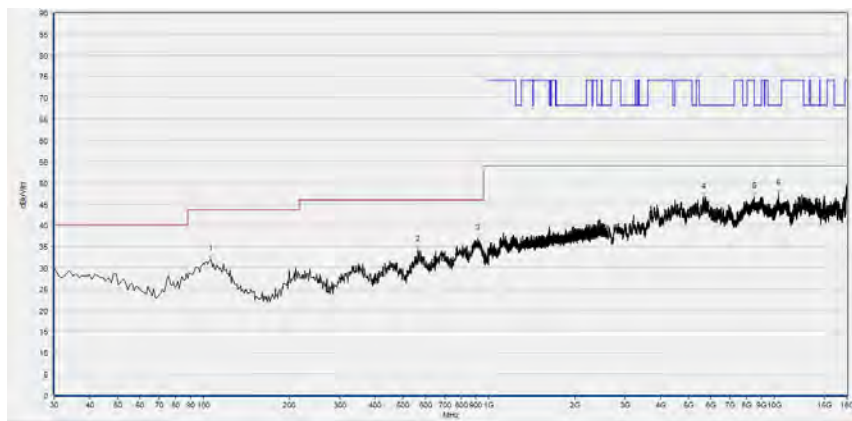
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.794	31.43	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
586.366	33.89	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
930.090	37.91	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5846.969	46.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9087.778	47.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12892.338	47.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

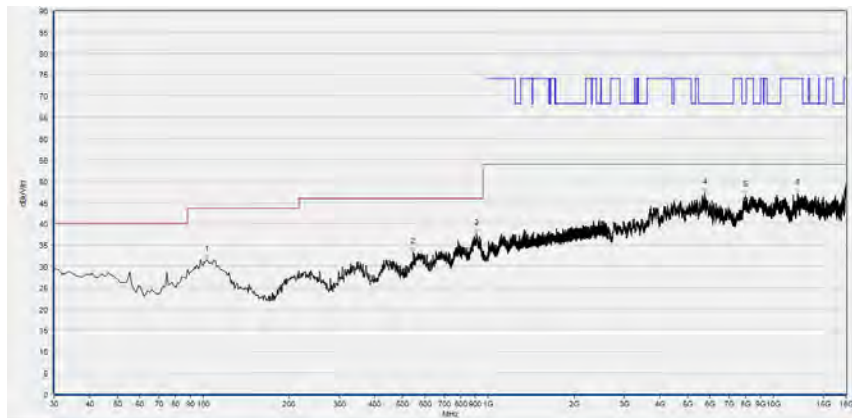
(Antenna Vertical, 30MHz to 18GHz)

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
105.736	32.07	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
565.005	34.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
916.496	36.81	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5640.568	46.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8487.057	46.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10344.669	47.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

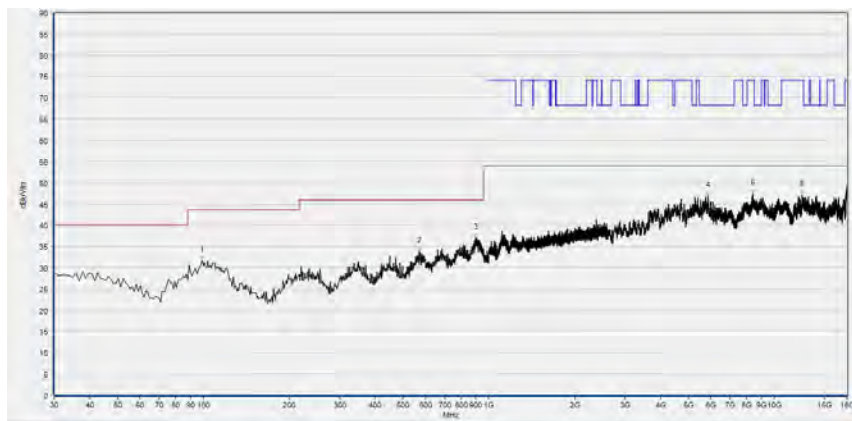


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	31.46	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
545.586	33.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
909.700	37.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5754.551	47.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7981.836	46.78	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12159.152	47.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

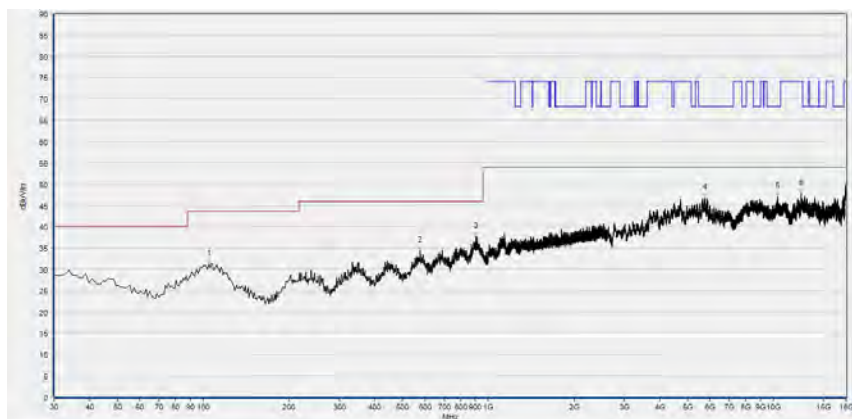


Plot for Channel 165



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.939	31.67	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
570.831	33.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
900.961	37.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5865.453	46.93	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8419.284	47.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12519.584	47.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

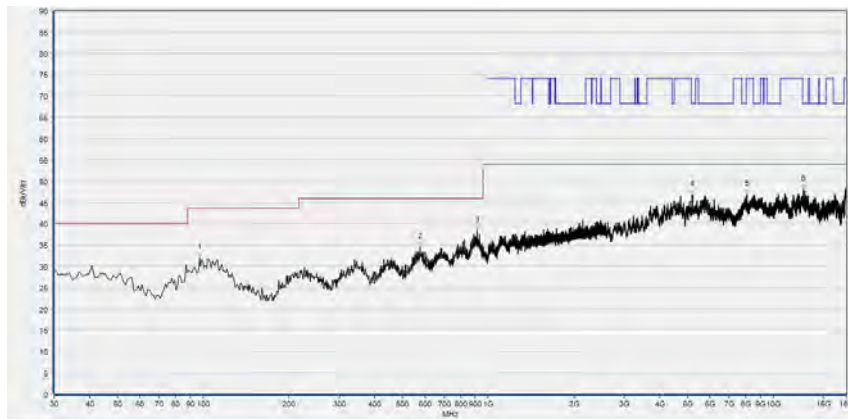


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	31.13	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
576.657	34.44	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
904.845	37.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5751.470	46.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10338.508	47.15	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12519.584	47.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

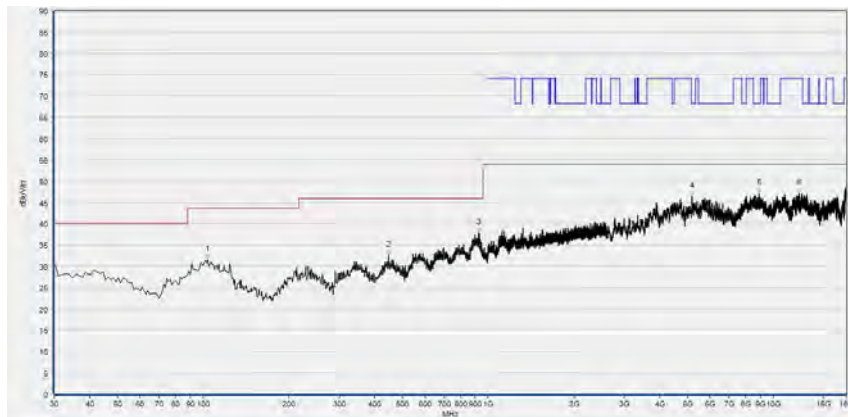
**802.11n (HT40) mode**

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
96.997	32.00	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
575.686	34.52	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
913.584	38.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5181.556	46.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8098.900	46.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12732.146	48.15	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

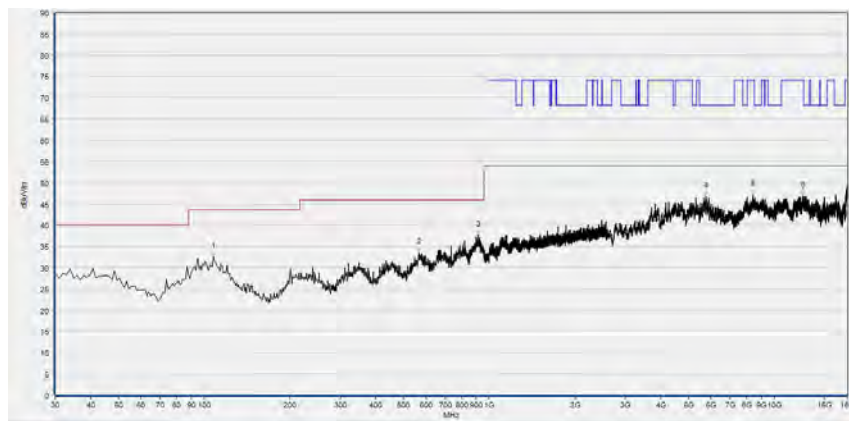


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.794	31.54	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
446.547	32.47	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
926.206	37.86	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5178.476	46.45	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8924.505	47.05	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12294.699	47.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

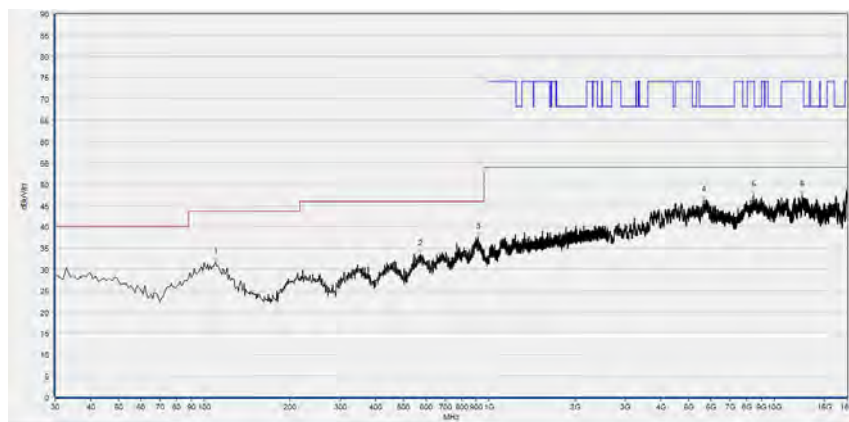


Plot for Channel 46



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
107.678	32.52	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
565.976	33.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
914.555	37.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5751.470	46.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8428.526	47.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12618.164	47.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

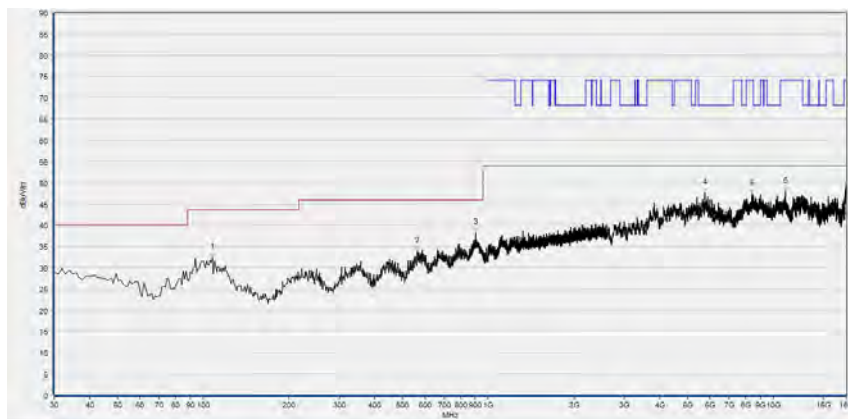


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	31.69	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
573.744	33.56	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
914.555	37.60	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5646.729	46.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8437.768	47.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12485.697	47.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

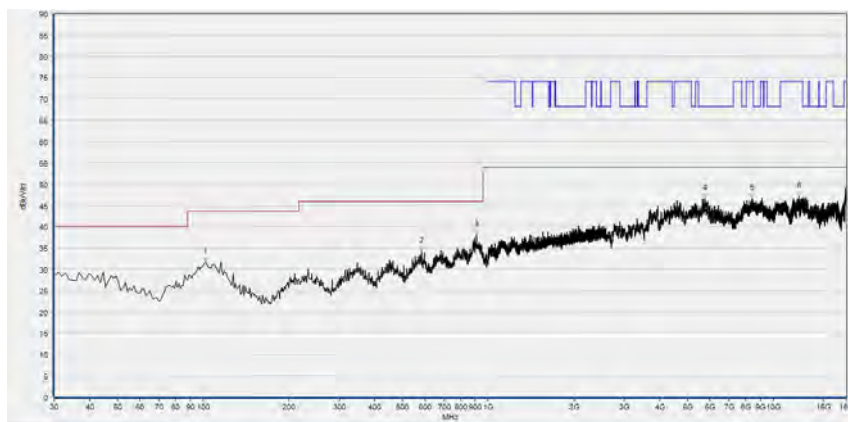


Plot for Channel 54



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
107.678	32.32	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
564.034	33.79	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
901.932	38.21	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5757.632	47.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8416.203	47.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11047.049	47.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

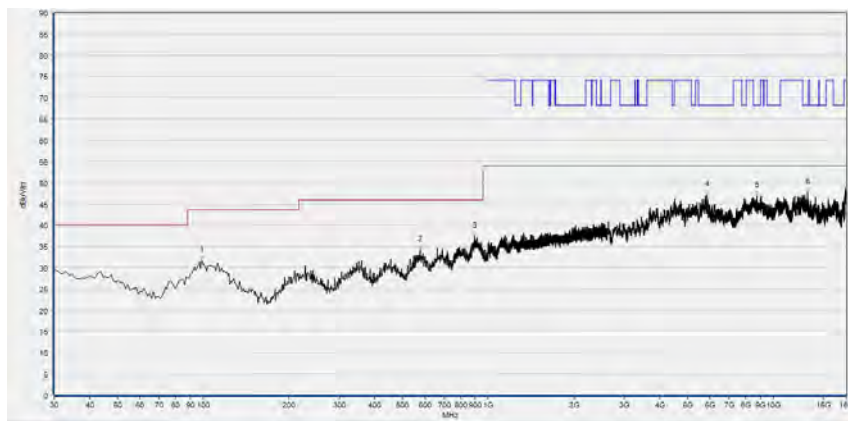


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.852	31.64	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
583.453	34.11	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
909.700	37.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5763.793	46.58	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8434.687	46.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12300.860	47.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

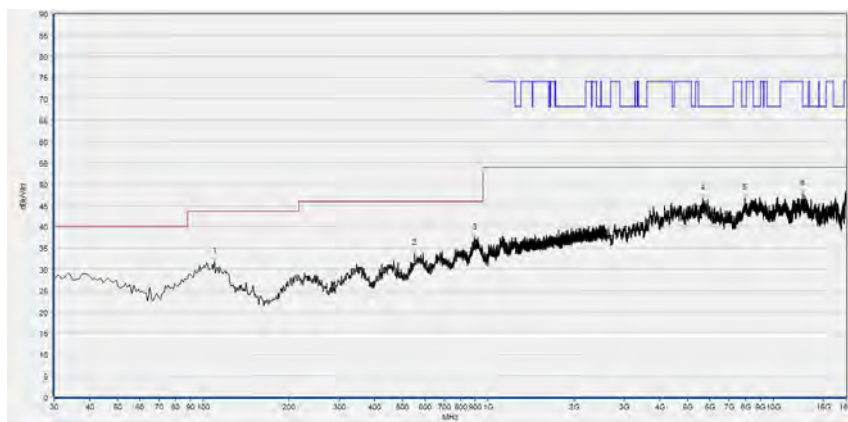


Plot for Channel 62



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
98.939	31.69	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
575.686	34.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
896.106	37.42	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5862.372	47.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8761.232	47.00	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13172.675	47.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

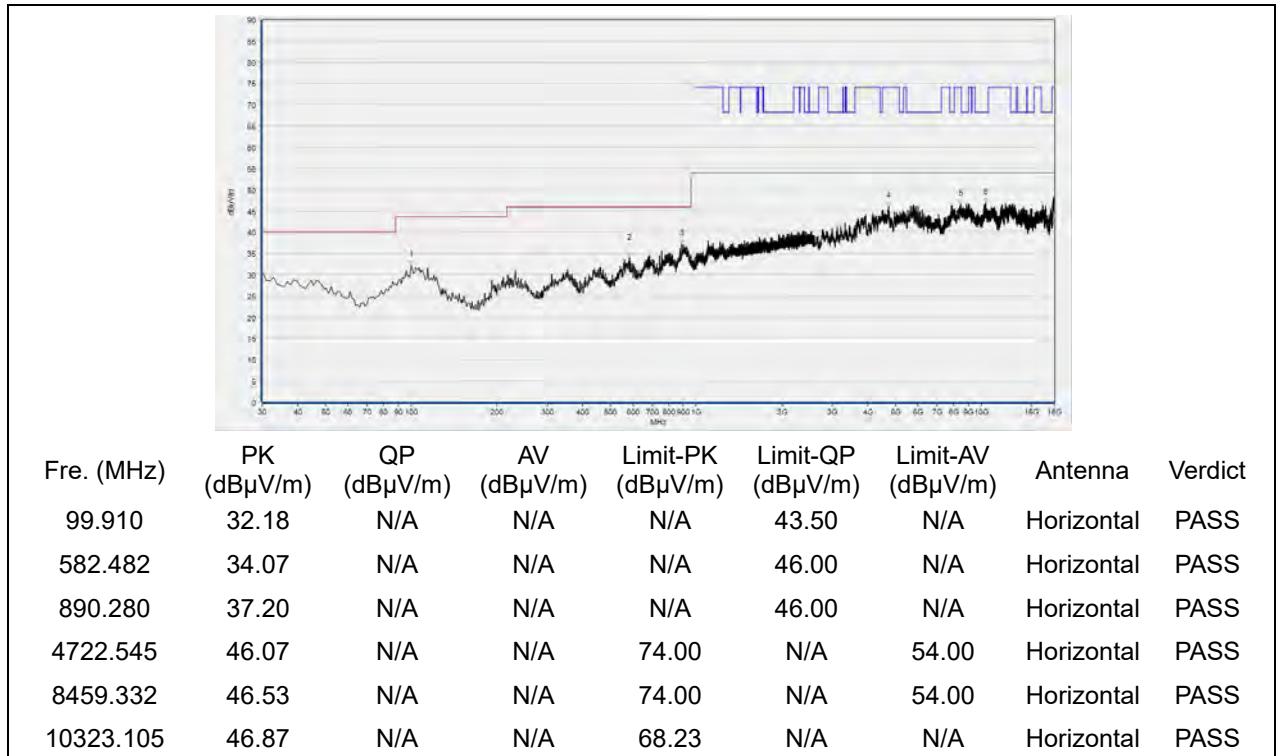
(Antenna Horizontal, 30MHz to 18GHz)



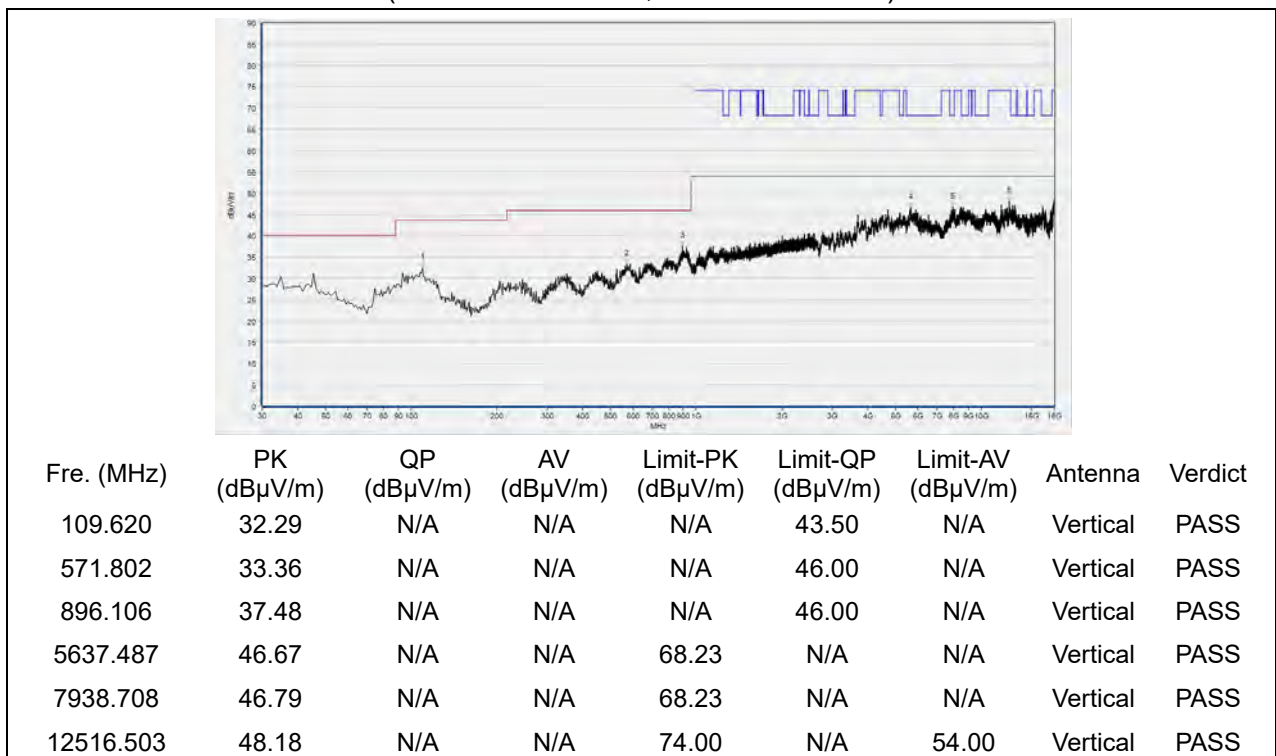
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	31.85	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
551.411	33.70	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
893.193	37.32	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5649.810	46.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7938.708	46.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12679.776	47.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 102



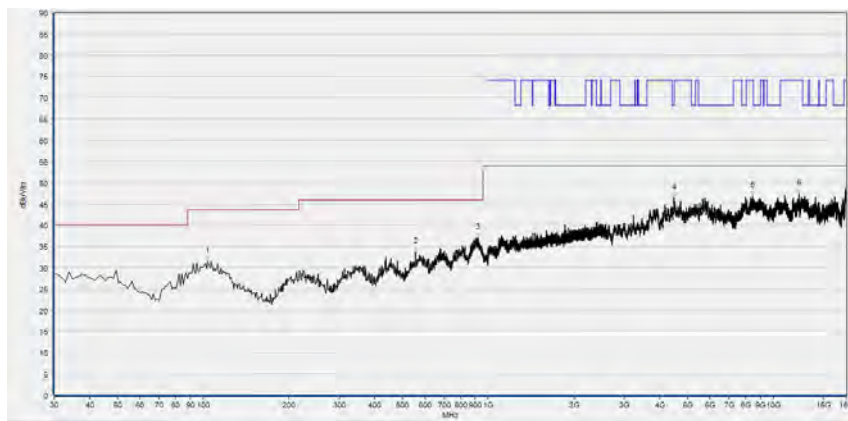
(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

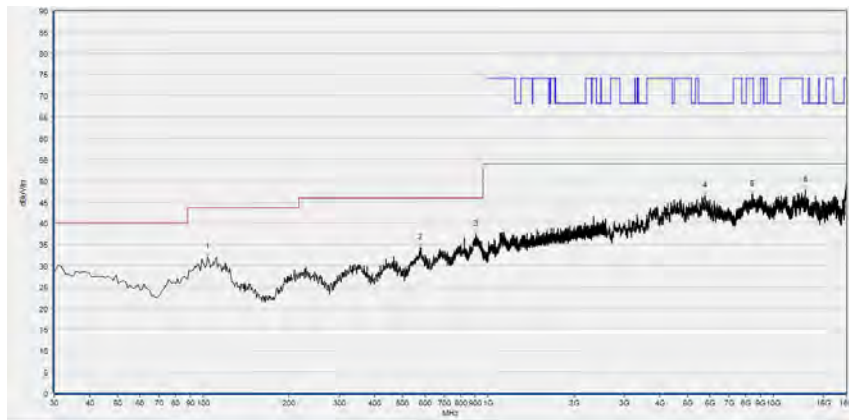


Plot for Channel 126



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
103.794	31.37	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
556.266	33.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
917.467	36.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4476.095	46.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8459.332	46.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12282.376	47.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

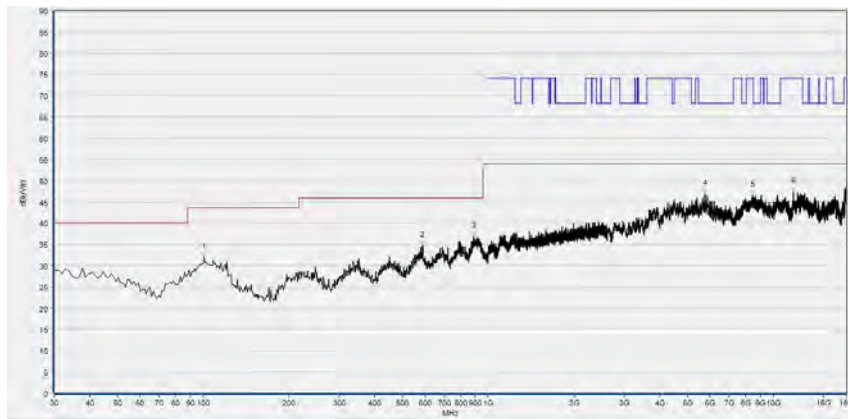
(Antenna Horizontal, 30MHz to 18GHz)



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	31.97	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
577.628	34.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
902.903	37.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5751.470	46.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8413.123	46.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12923.145	47.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

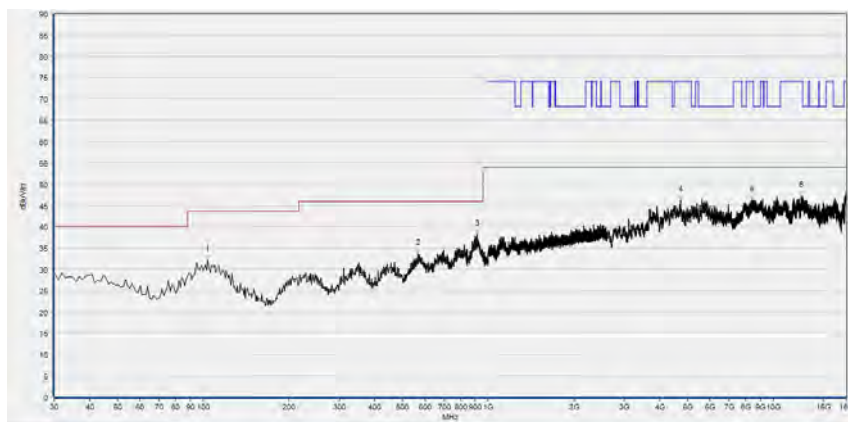
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 134



Fre. (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	31.94	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
587.337	34.65	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
889.309	36.86	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5739.148	46.92	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8477.816	46.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11740.188	47.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

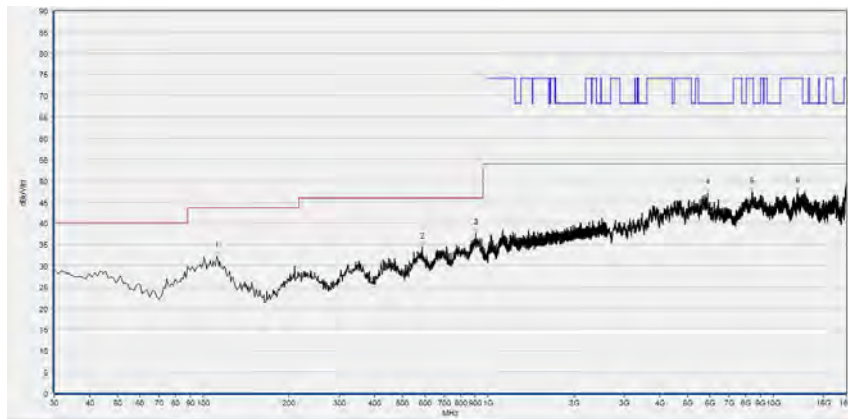
(Antenna Horizontal, 30MHz to 18GHz)



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	32.19	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
565.976	33.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
912.613	38.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4725.625	46.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8425.445	46.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12534.987	47.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

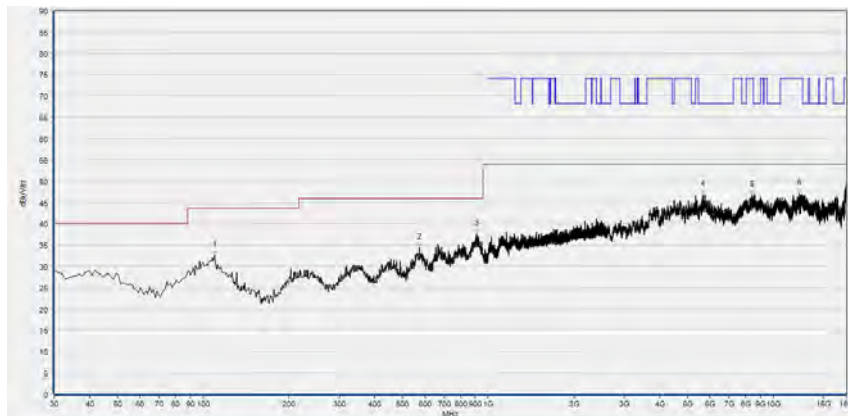
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 151



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
111.562	32.19	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
586.366	34.40	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.903	37.73	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5868.534	47.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8394.639	47.49	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12143.749	47.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

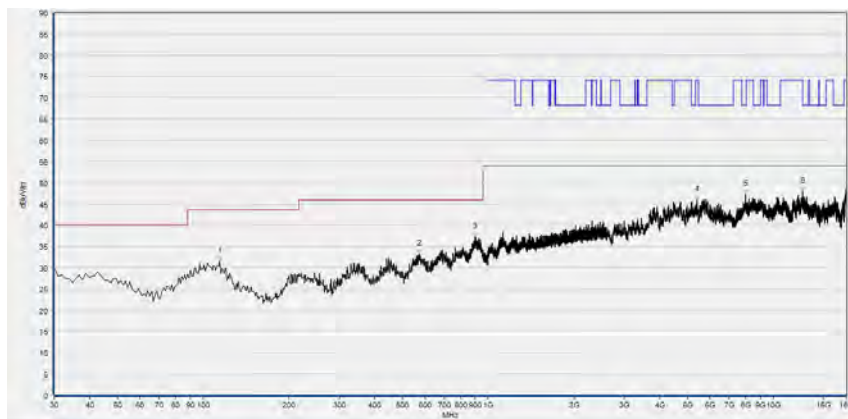
(Antenna Horizontal, 30MHz to 18GHz)



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
109.620	32.48	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
573.744	34.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
908.729	37.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5662.132	46.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8428.526	46.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12288.538	47.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

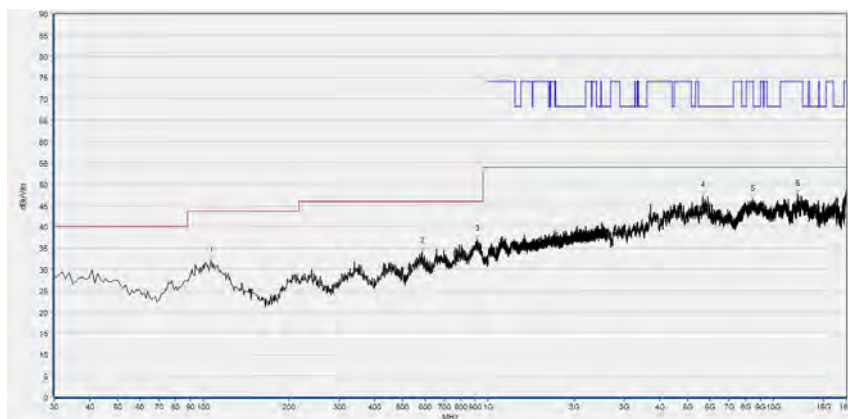
(Antenna Vertical, 30MHz to 18GHz)

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
114.474	31.58	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
574.715	33.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
897.077	37.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5406.441	45.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7972.595	47.26	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12682.857	47.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

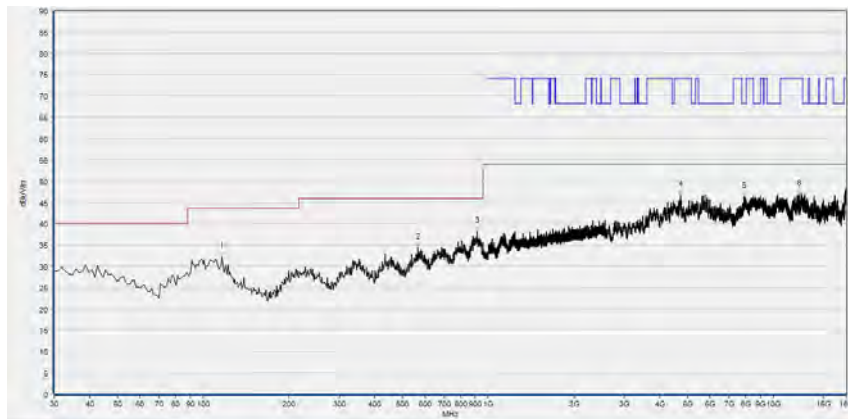


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	32.09	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
585.395	34.24	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
916.496	36.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5646.729	47.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8440.848	46.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12189.958	47.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

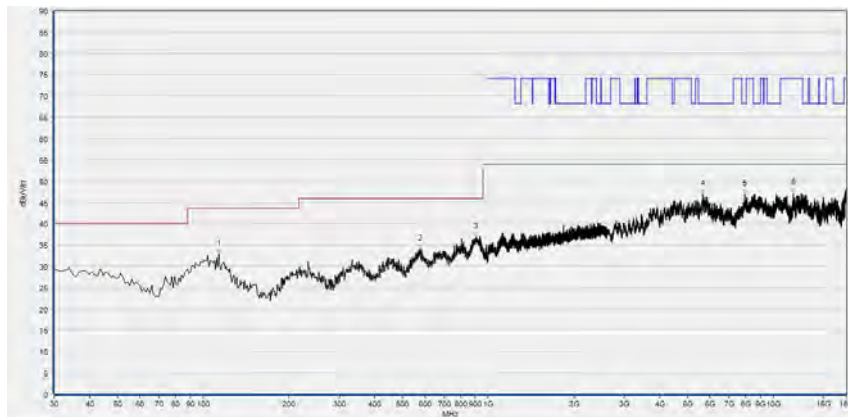
**802.11ac (VHT80) Mode**

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
116.416	32.11	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
565.976	34.28	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
914.555	38.21	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4725.625	46.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7901.740	46.40	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12319.344	46.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

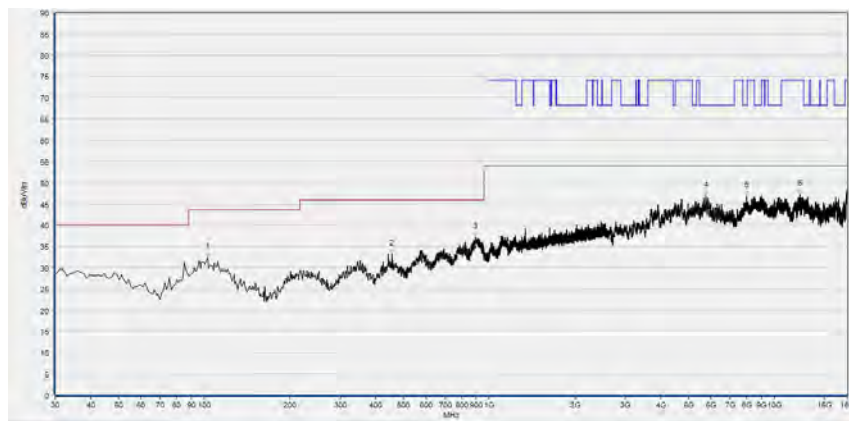


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
113.504	32.77	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
575.686	34.08	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
902.903	36.95	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5668.294	46.86	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7932.547	46.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11737.107	47.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

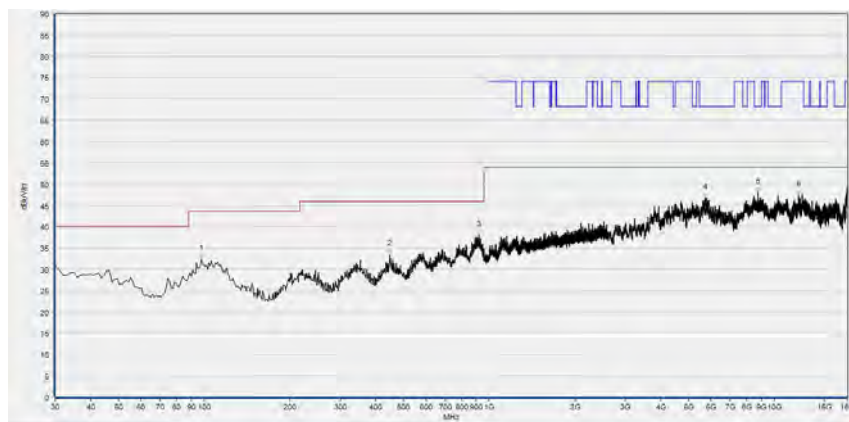


Plot for Channel 58



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
102.823	32.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
456.256	33.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
895.135	37.28	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5739.148	46.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7975.675	46.89	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12288.538	47.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

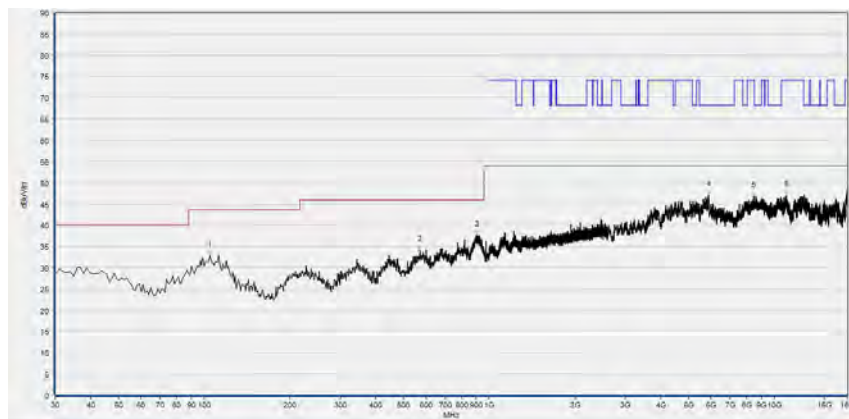


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.968	32.43	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
447.518	33.46	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
919.409	38.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5729.906	46.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8742.749	48.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12143.749	47.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

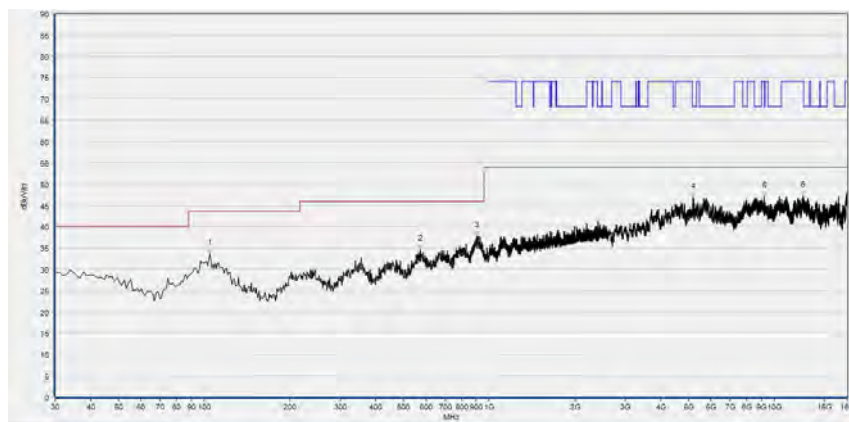


Plot for Channel 106



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	32.78	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
571.802	34.13	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
904.845	37.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5871.614	47.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8443.929	46.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11019.324	47.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

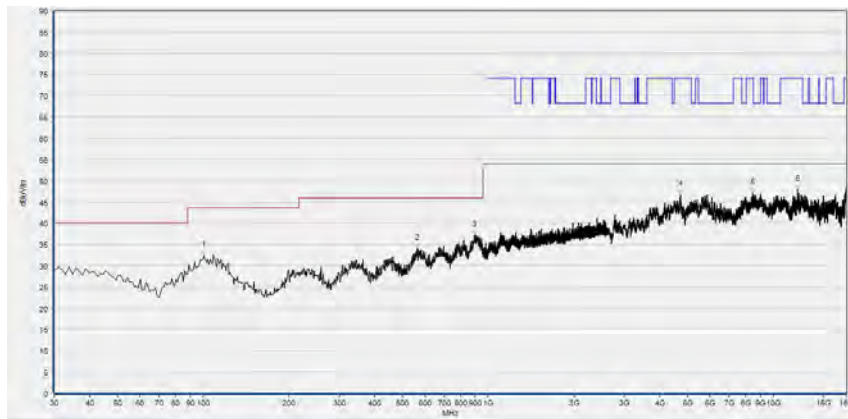
(Antenna Horizontal, 30MHz to 18GHz)



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
104.765	33.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
573.744	34.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
904.845	37.82	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5169.234	46.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9198.680	47.13	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12608.922	47.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

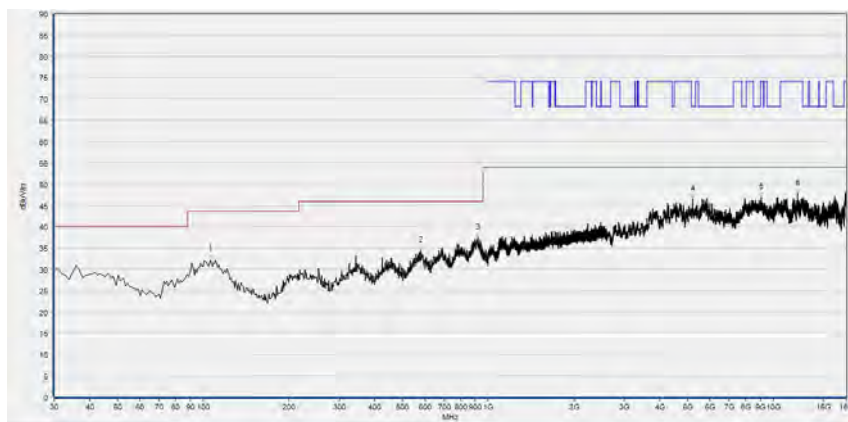
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 122



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	32.31	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
565.005	34.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
893.193	37.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4728.706	46.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8443.929	47.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12165.313	47.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

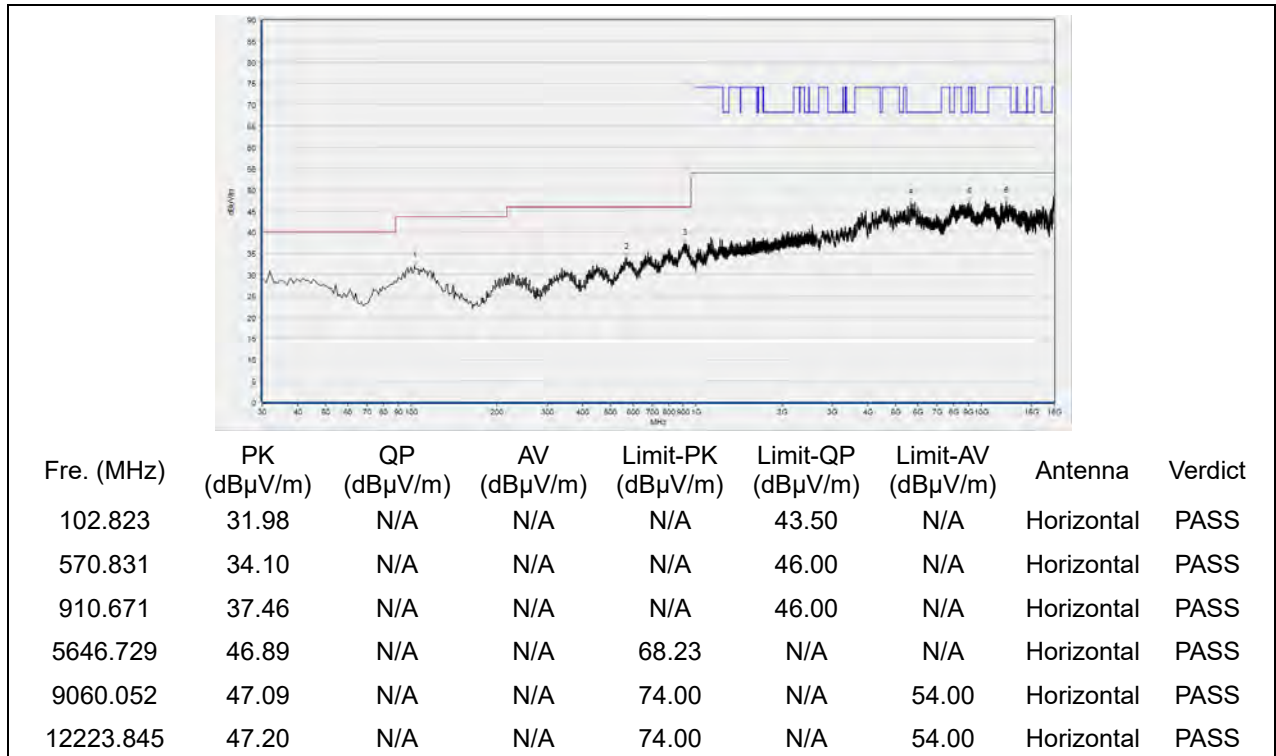
(Antenna Horizontal, 30MHz to 18GHz)



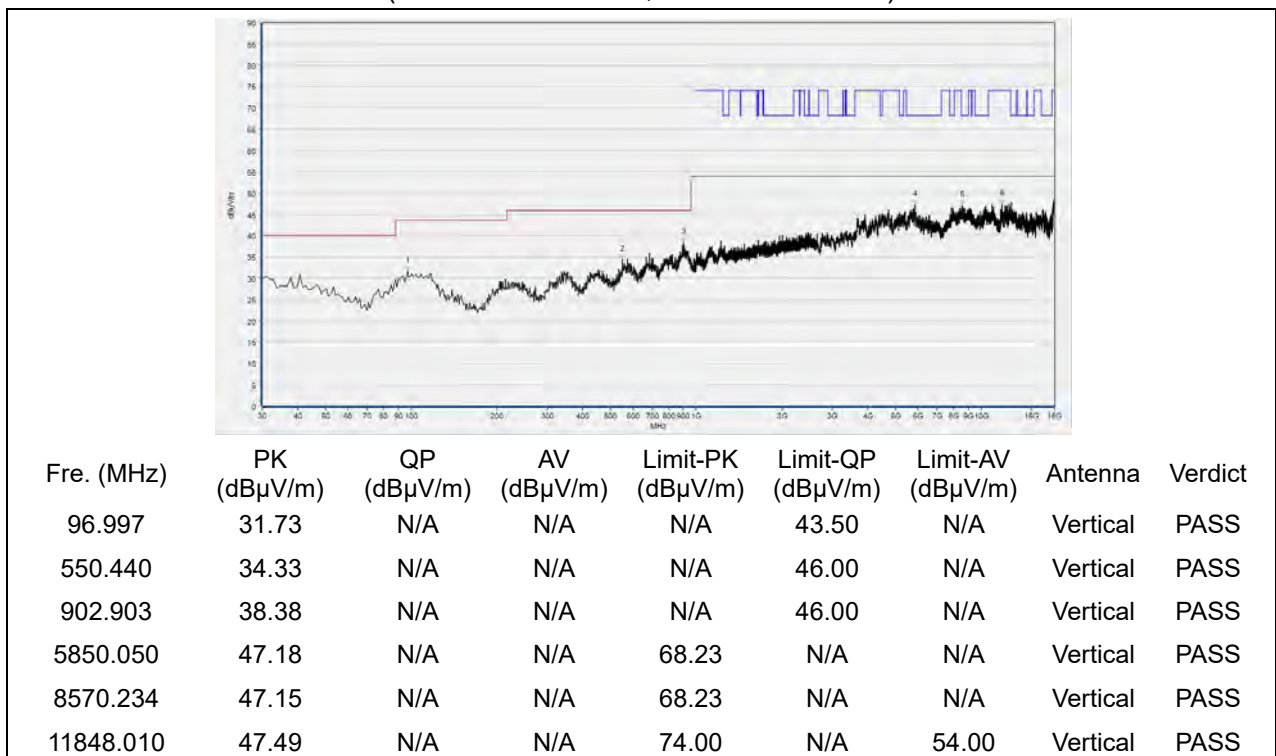
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	32.19	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
578.599	34.32	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
920.380	37.46	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5206.201	46.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9053.891	46.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12140.668	47.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 138



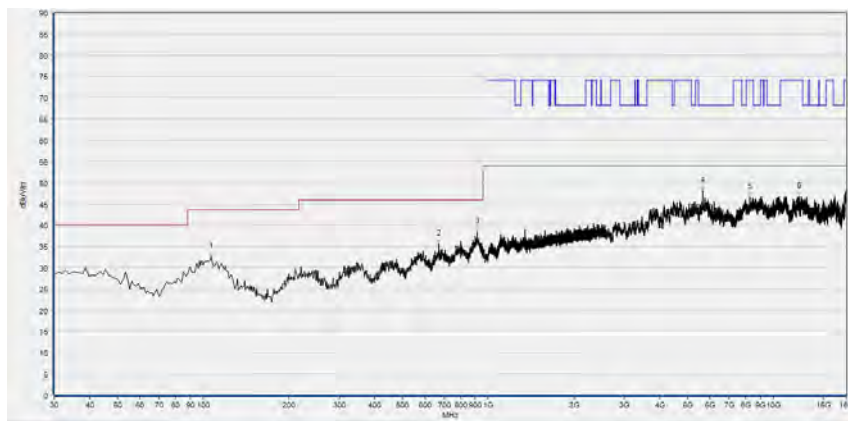
(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

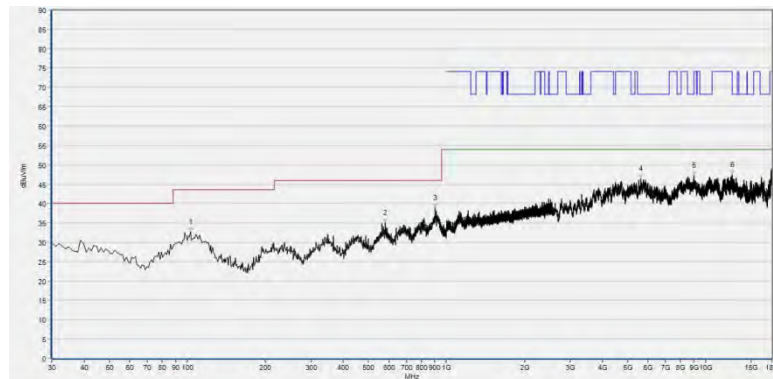


Plot for Channel 155



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
106.707	32.54	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
671.812	35.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
914.555	38.36	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5649.810	48.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8274.495	46.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12297.780	46.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	32.70	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
581.512	35.06	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
903.874	38.87	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5625.165	46.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9013.843	47.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12685.937	47.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT