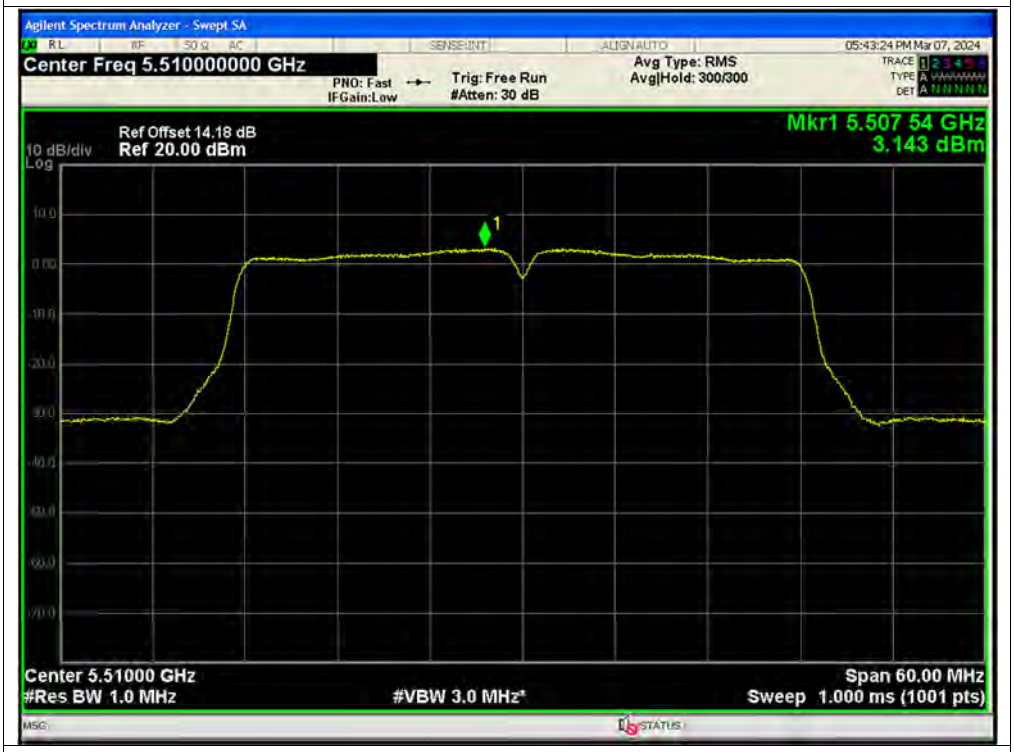
PSD NVNT n40 5190MHz Ant1

PSD NVNT n40 5230MHz Ant1

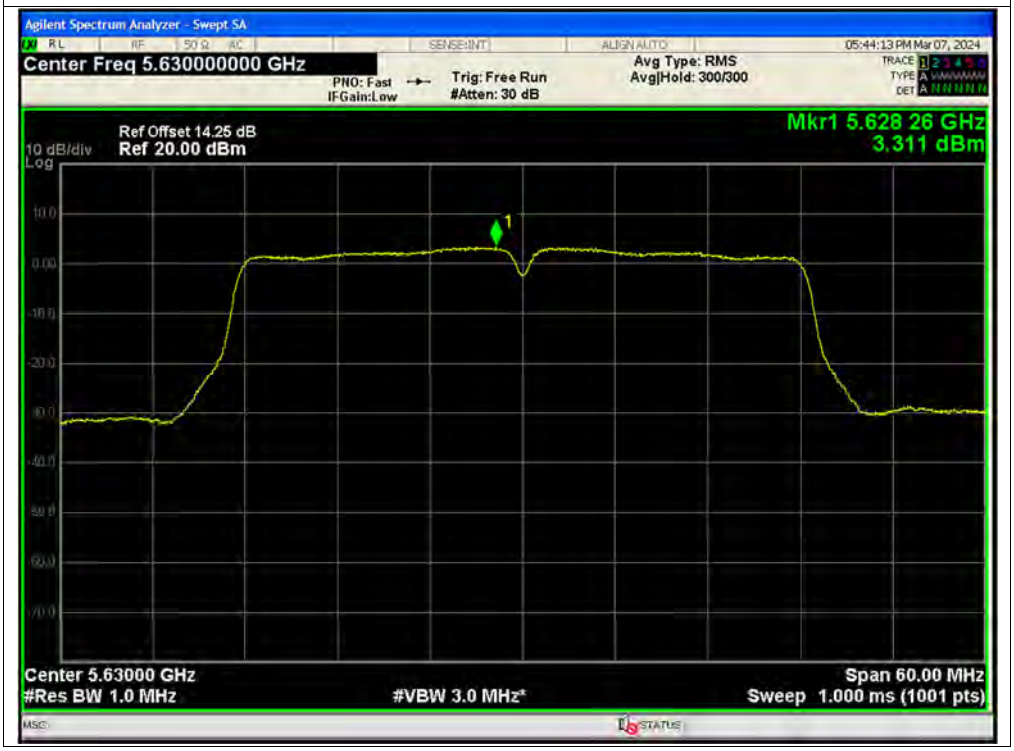
PSD NVNT n40 5270MHz Ant1

PSD NVNT n40 5310MHz Ant1

PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5630MHz Ant1



PSD NVNT n40 5710MHz Ant1

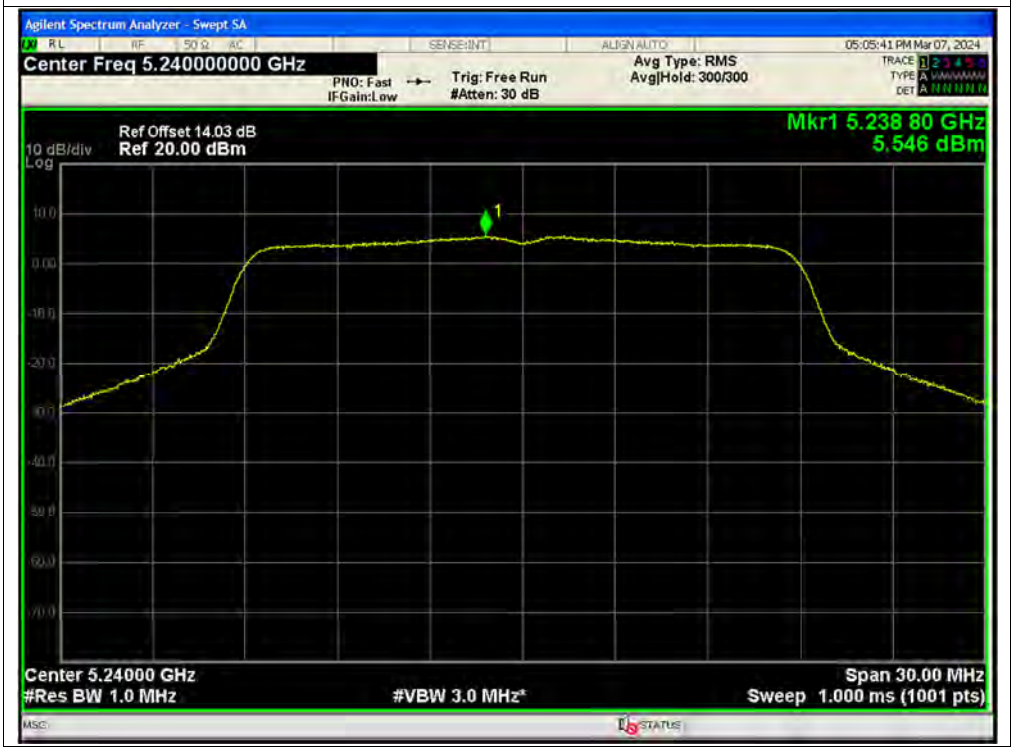
PSD NVNT n40 5755MHz Ant1

PSD NVNT n40 5795MHz Ant1

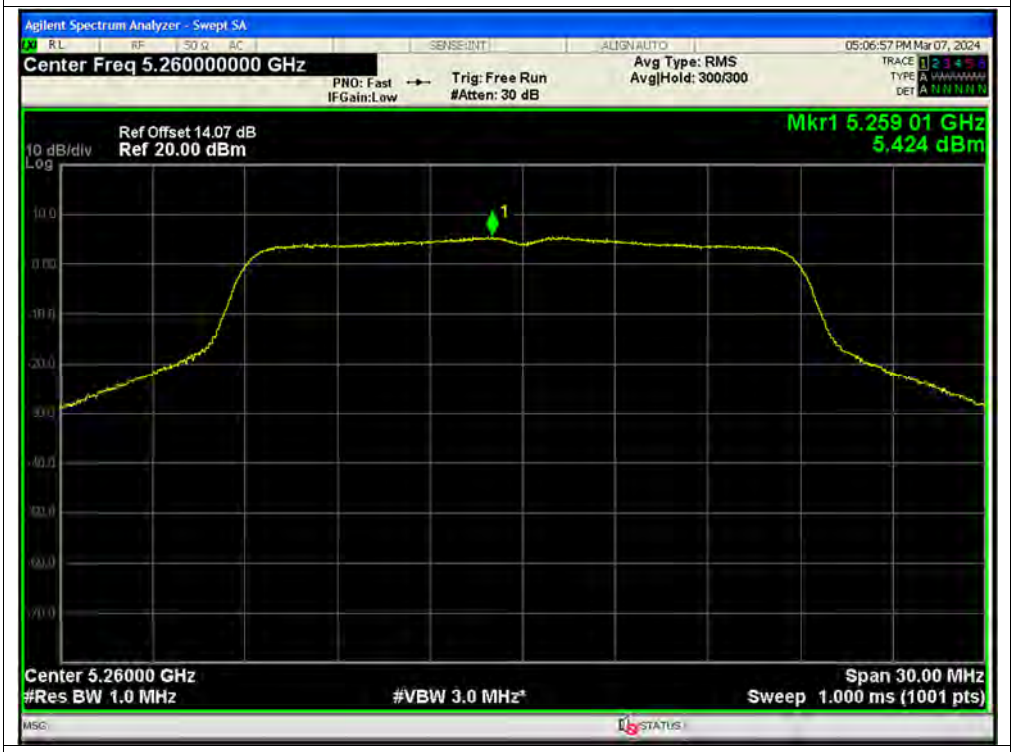
PSD NVNT ac20 5180MHz Ant1

PSD NVNT ac20 5220MHz Ant1

PSD NVNT ac20 5240MHz Ant1

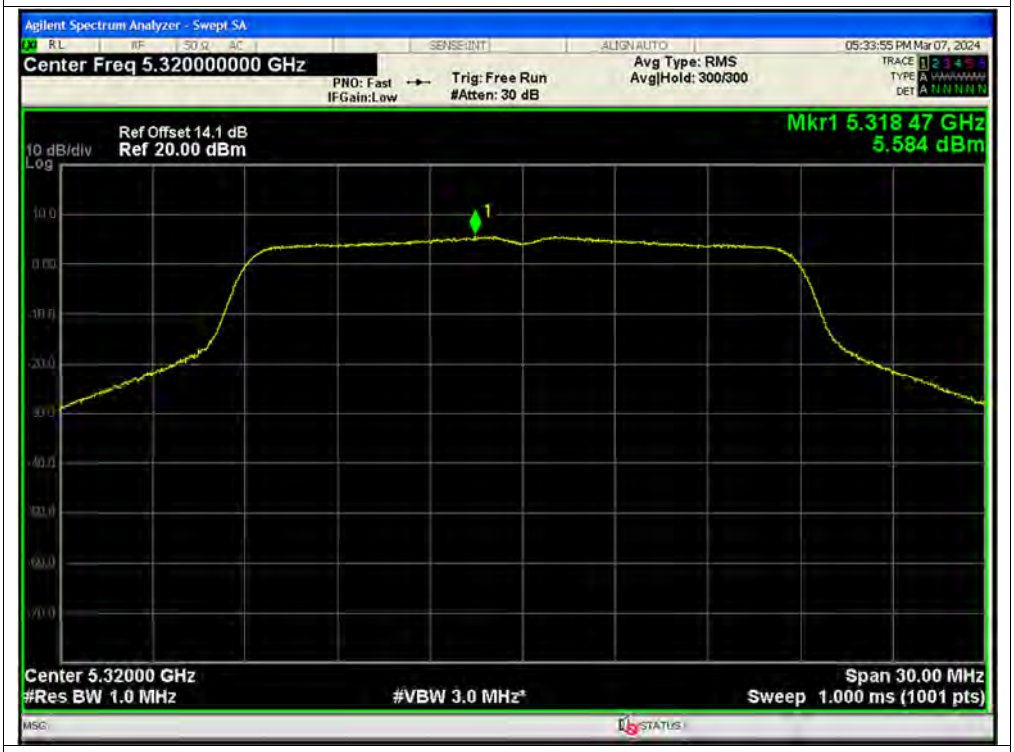


PSD NVNT ac20 5260MHz Ant1



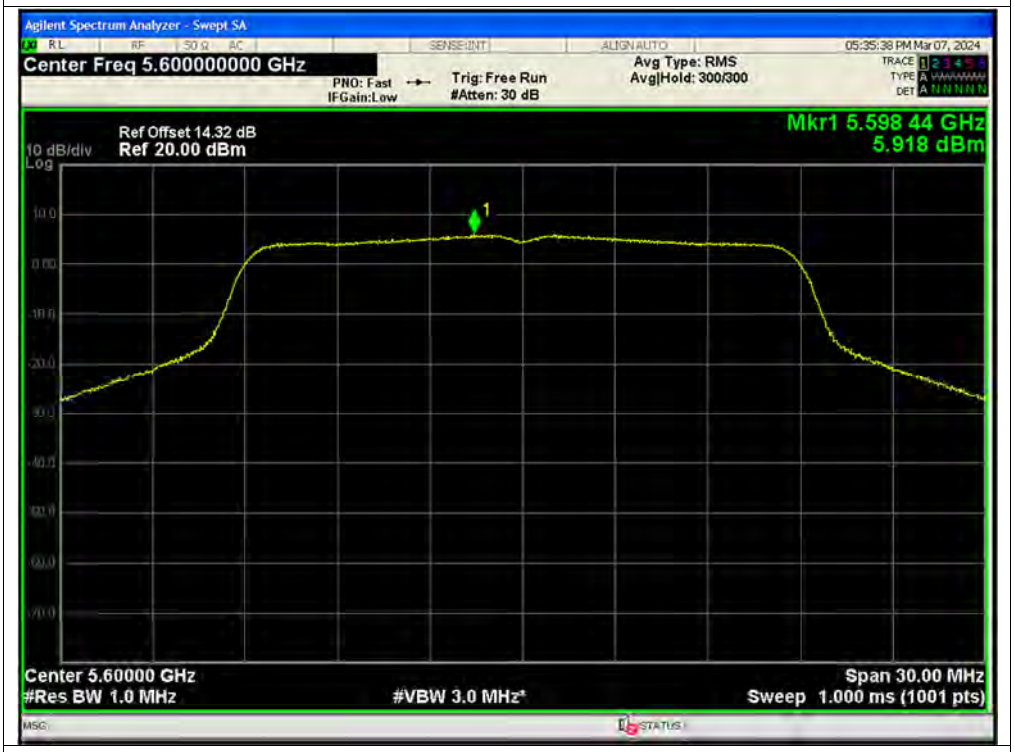
PSD NVNT ac20 5300MHz Ant1

PSD NVNT ac20 5320MHz Ant1



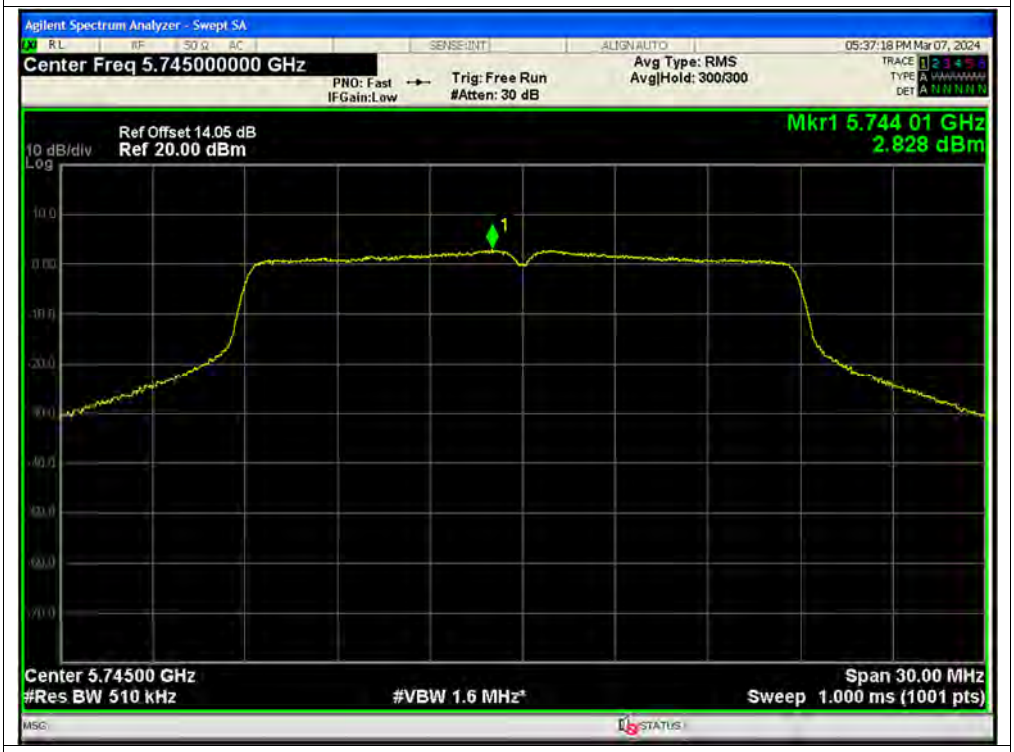
PSD NVNT ac20 5500MHz Ant1

PSD NVNT ac20 5600MHz Ant1

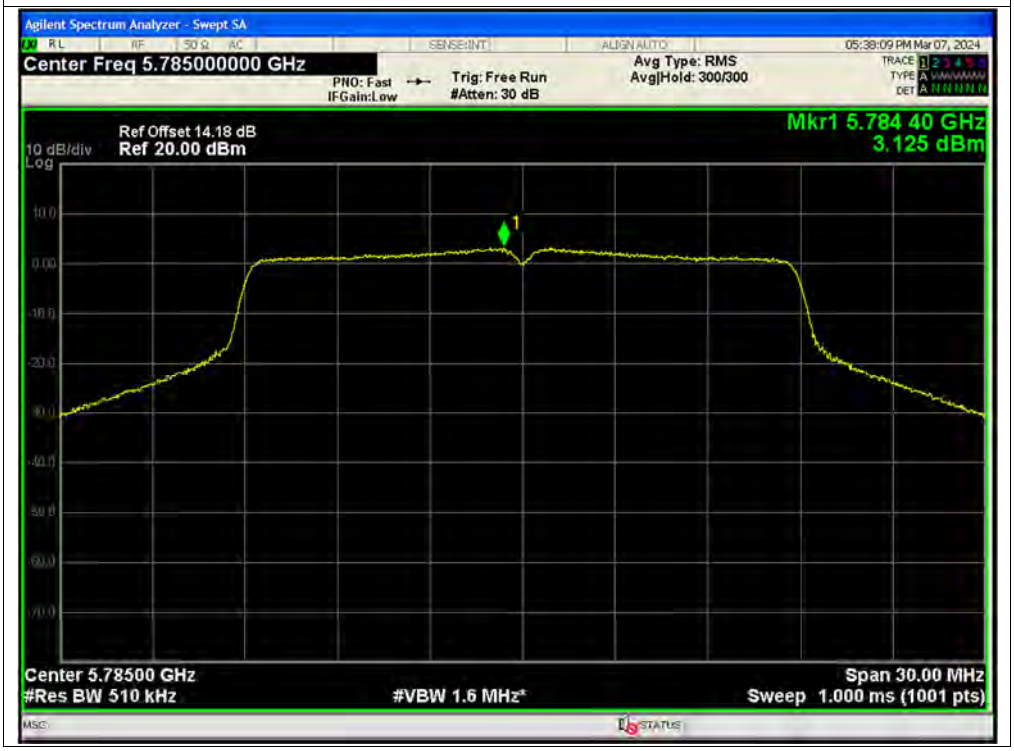


PSD NVNT ac20 5720MHz Ant1

PSD NVNT ac20 5745MHz Ant1



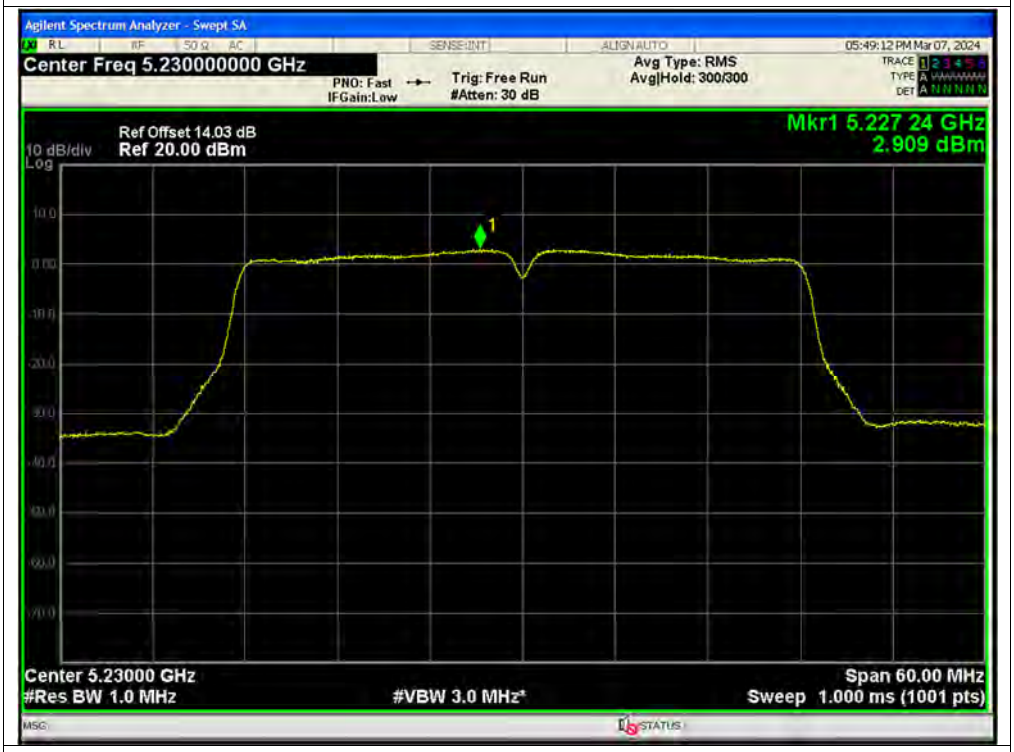
PSD NVNT ac20 5785MHz Ant1



PSD NVNT ac20 5825MHz Ant1

PSD NVNT ac40 5190MHz Ant1

PSD NVNT ac40 5230MHz Ant1

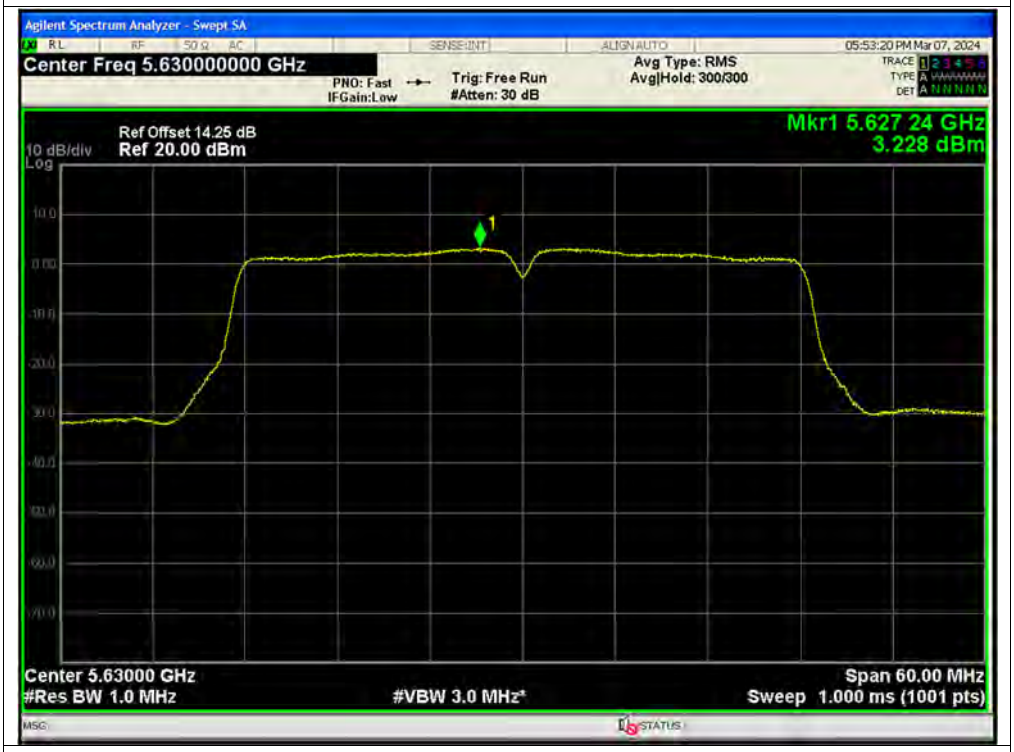


PSD NVNT ac40 5270MHz Ant1

PSD NVNT ac40 5310MHz Ant1

PSD NVNT ac40 5510MHz Ant1

PSD NVNT ac40 5630MHz Ant1

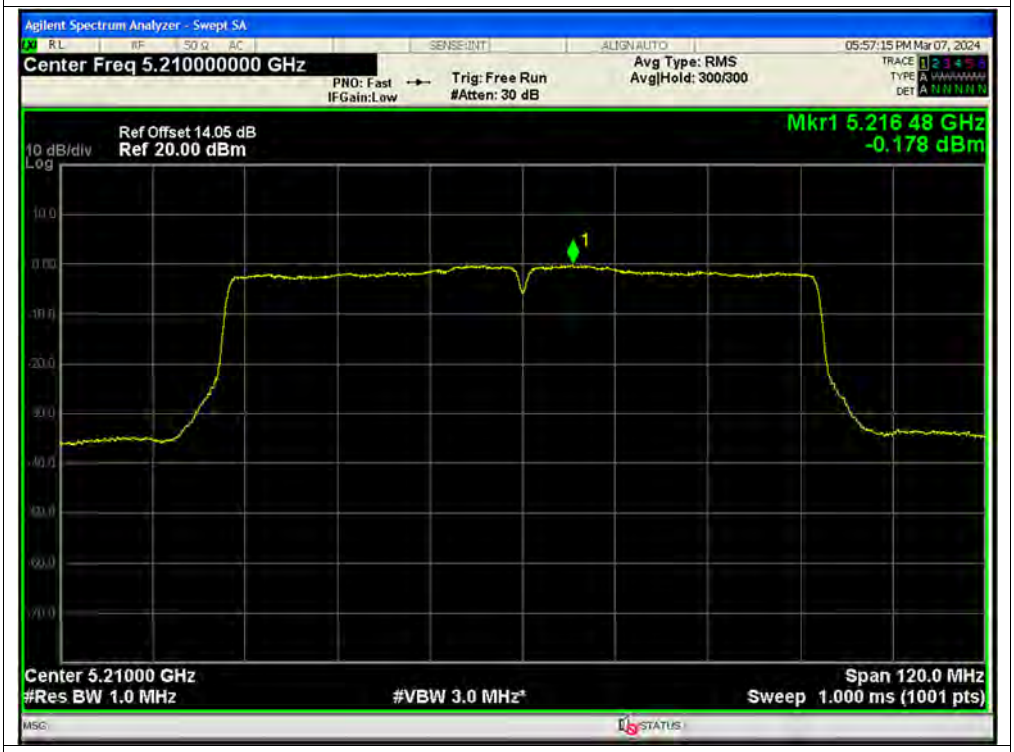


PSD NVNT ac40 5710MHz Ant1

PSD NVNT ac40 5755MHz Ant1

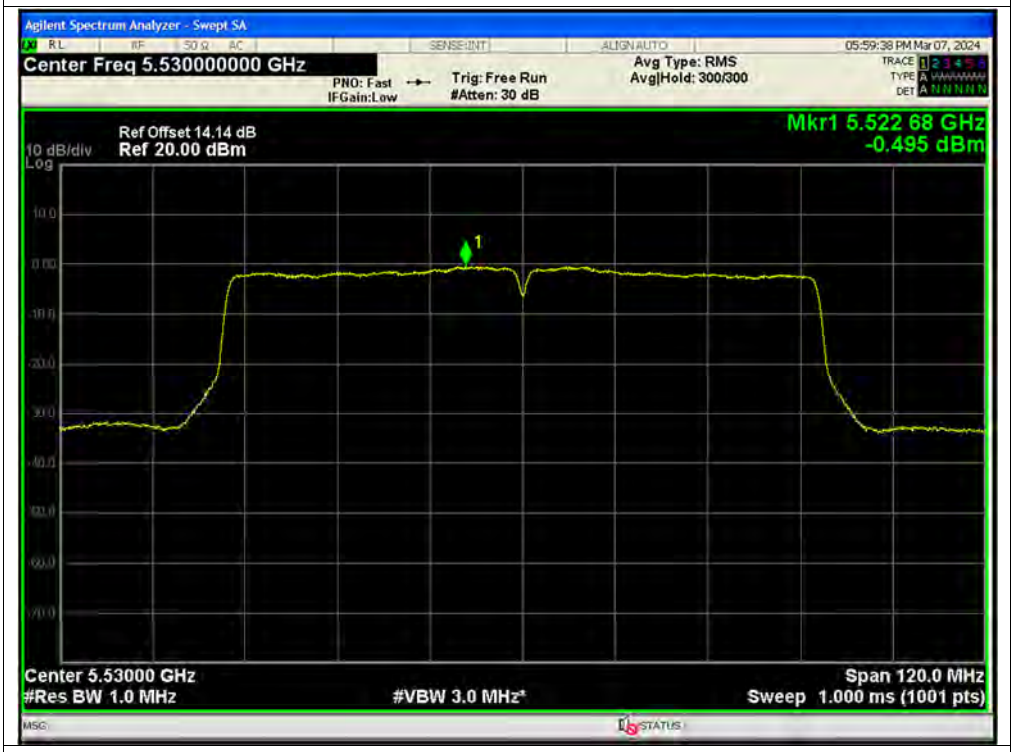
PSD NVNT ac40 5795MHz Ant1

PSD NVNT ac80 5210MHz Ant1



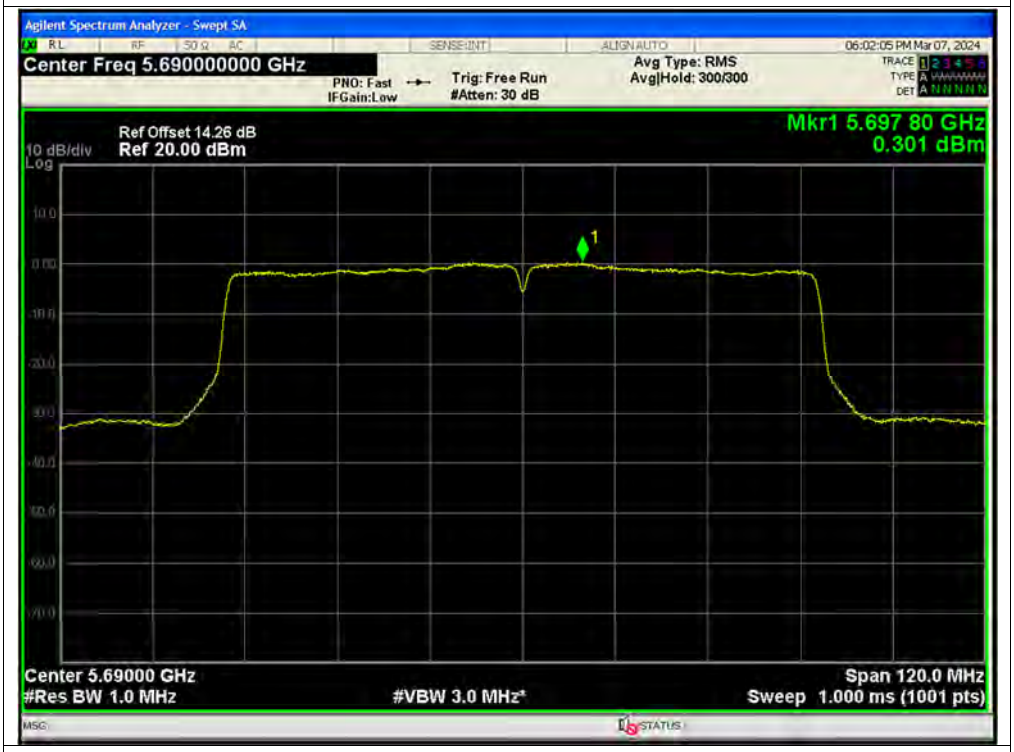
PSD NVNT ac80 5290MHz Ant1

PSD NVNT ac80 5530MHz Ant1

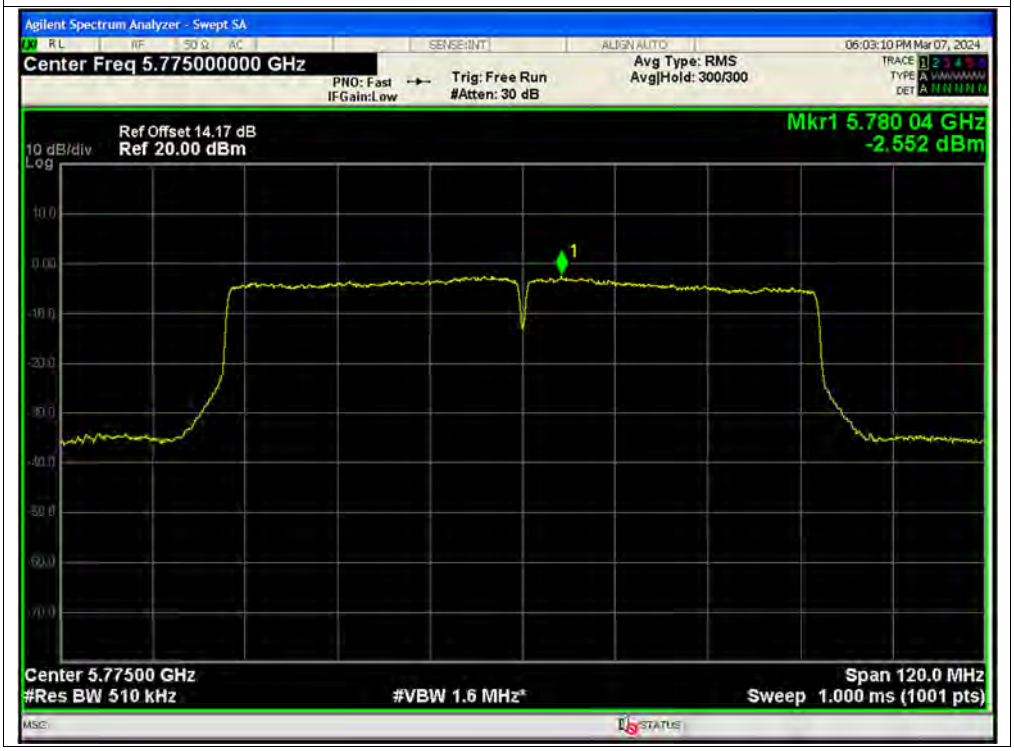


PSD NVNT ac80 5610MHz Ant1

PSD NVNT ac80 5690MHz Ant1



PSD NVNT ac80 5775MHz Ant1



A.5. Frequency Stability

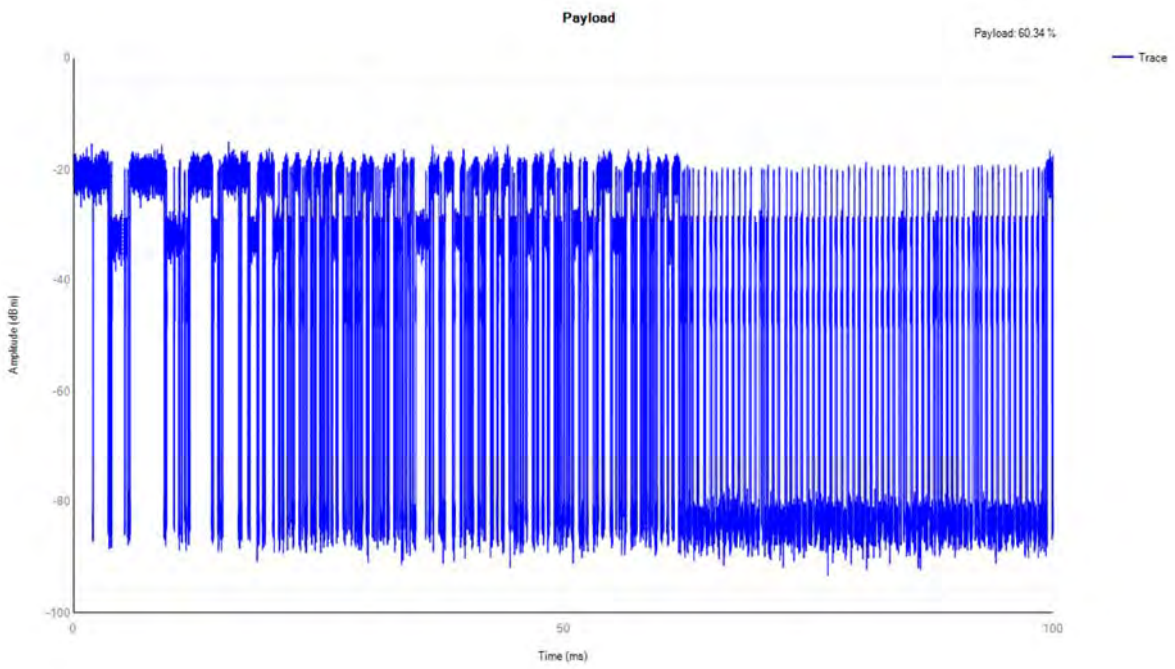
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.4V	a	5180	Ant1	5180.001	1000	0.19	25	Pass
20C 3.87V	a	5180	Ant1	5180	0	0	25	Pass
20C 4.45V	a	5180	Ant1	5180	0	0	25	Pass
0C 3.87V	a	5180	Ant1	5180	0	0	25	Pass
10C 3.87V	a	5180	Ant1	5180	0	0	25	Pass
30C 3.87V	a	5180	Ant1	5180	0	0	25	Pass
40C 3.87V	a	5180	Ant1	5180	0	0	25	Pass
20C 3.4V	a	5260	Ant1	5259.999	-1000	-0.19	25	Pass
20C 3.87V	a	5260	Ant1	5259.999	-1000	-0.19	25	Pass
20C 4.45V	a	5260	Ant1	5259.999	-1000	-0.19	25	Pass
0C 3.87V	a	5260	Ant1	5259.999	-1000	-0.19	25	Pass
10C 3.87V	a	5260	Ant1	5259.999	-1000	-0.19	25	Pass
30C 3.87V	a	5260	Ant1	5259.999	-1000	-0.19	25	Pass
40C 3.87V	a	5260	Ant1	5259.999	-1000	-0.19	25	Pass
20C 3.4V	a	5500	Ant1	5499.997	-3000	-0.55	25	Pass
20C 3.87V	a	5500	Ant1	5499.997	-3000	-0.55	25	Pass
20C 4.45V	a	5500	Ant1	5499.997	-3000	-0.55	25	Pass
0C 3.87V	a	5500	Ant1	5499.997	-3000	-0.55	25	Pass
10C 3.87V	a	5500	Ant1	5499.997	-3000	-0.55	25	Pass
30C 3.87V	a	5500	Ant1	5499.997	-3000	-0.55	25	Pass
40C 3.87V	a	5500	Ant1	5499.997	-3000	-0.55	25	Pass
20C 3.4V	a	5745	Ant1	5744.996	-4000	-0.7	25	Pass
20C 3.87V	a	5745	Ant1	5744.996	-4000	-0.7	25	Pass
20C 4.45V	a	5745	Ant1	5744.996	-4000	-0.7	25	Pass
0C 3.87V	a	5745	Ant1	5744.996	-4000	-0.7	25	Pass
10C 3.87V	a	5745	Ant1	5744.996	-4000	-0.7	25	Pass
30C 3.87V	a	5745	Ant1	5744.996	-4000	-0.7	25	Pass
40C 3.87V	a	5745	Ant1	5744.996	-4000	-0.7	25	Pass

A.6. Dynamic Frequency Selection

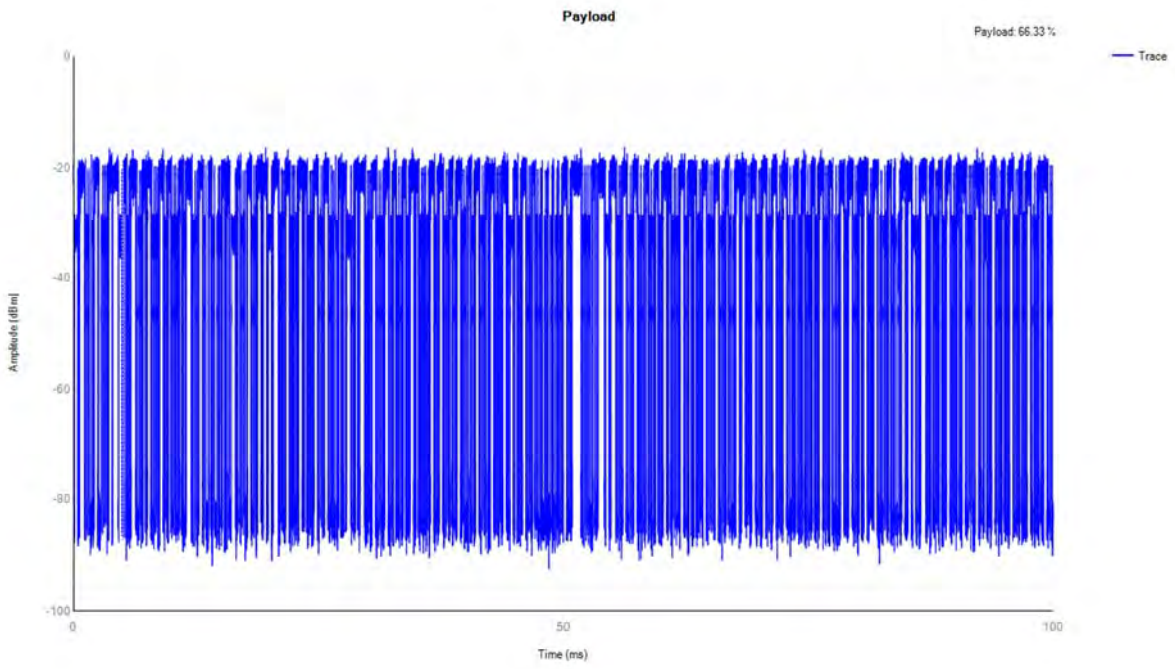
Payload

Mode	Frequency (MHz)	Result	Verdict
a	5320	60.34	Pass
a	5500	66.33	Pass
ac80	5290	90.56	Pass
ac80	5530	94.82	Pass

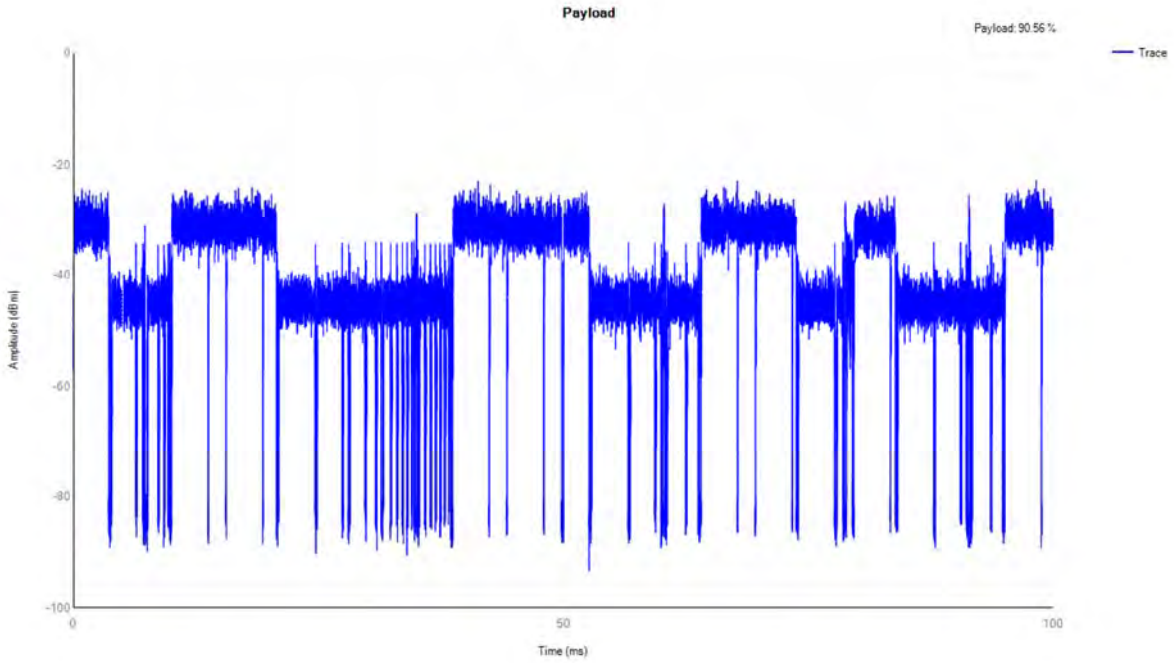
Test Graphs
a 5320MHz Payload



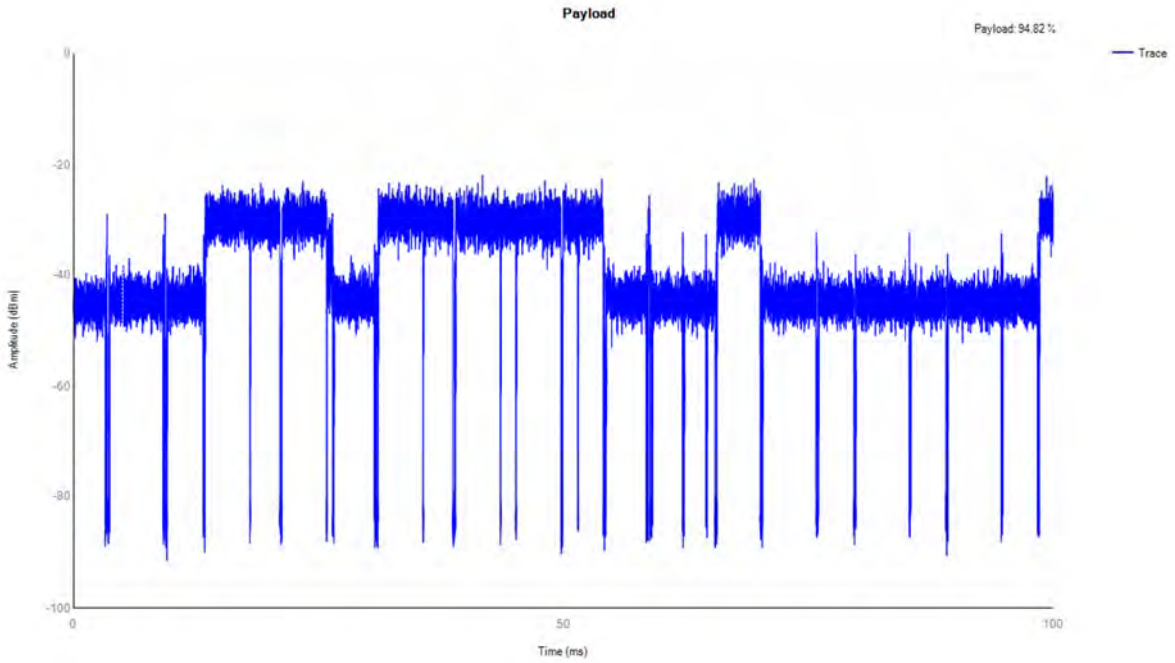
a 5500MHz Payload



ac80 5290MHz Payload



ac80 5530MHz Payload



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

Spectrum analyzer settings:

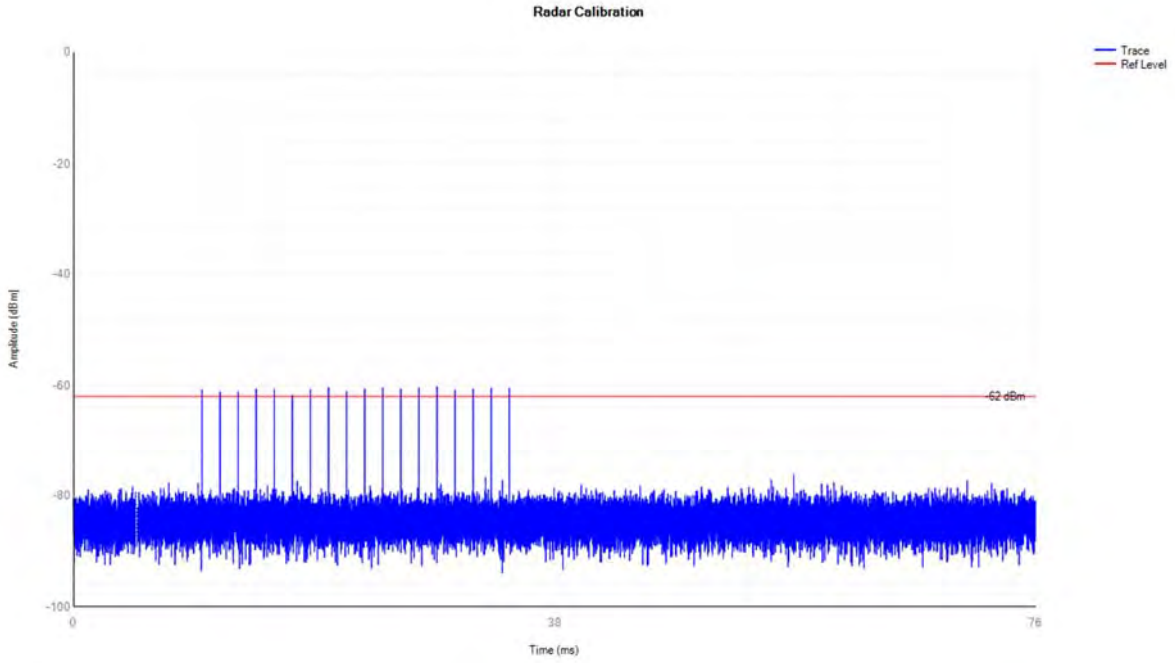
Span: Zero

Detector Type: Peak

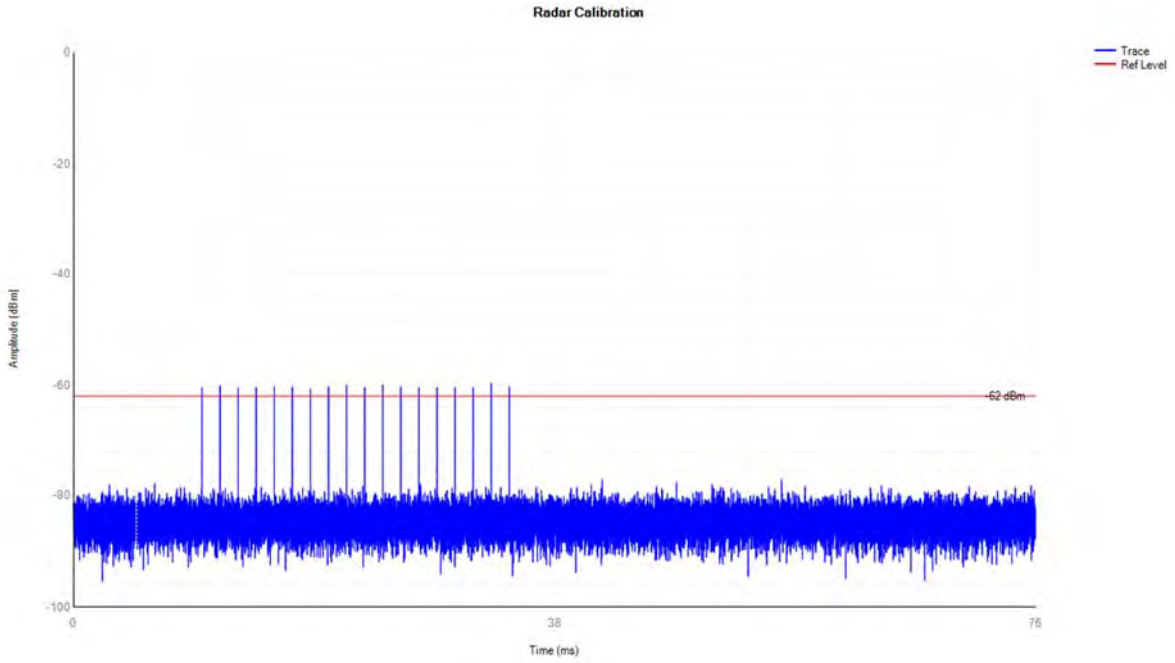
RBW: 3MHz

VBW: 3MHz

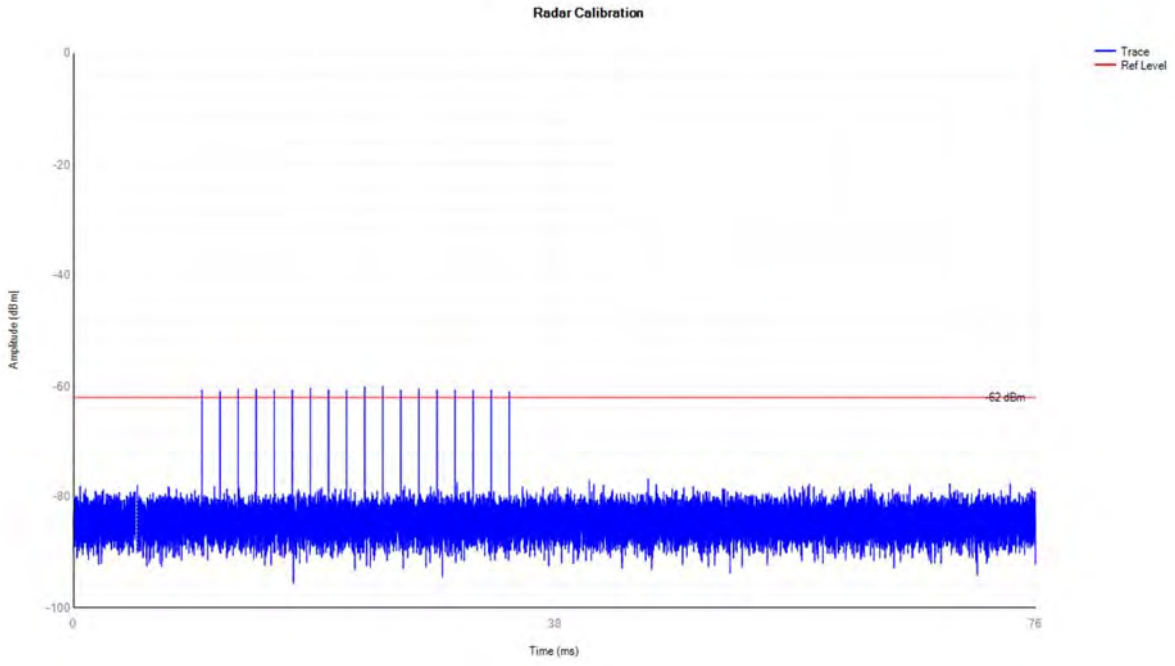
Test Graphs
5320MHz DFS_FCC_T0



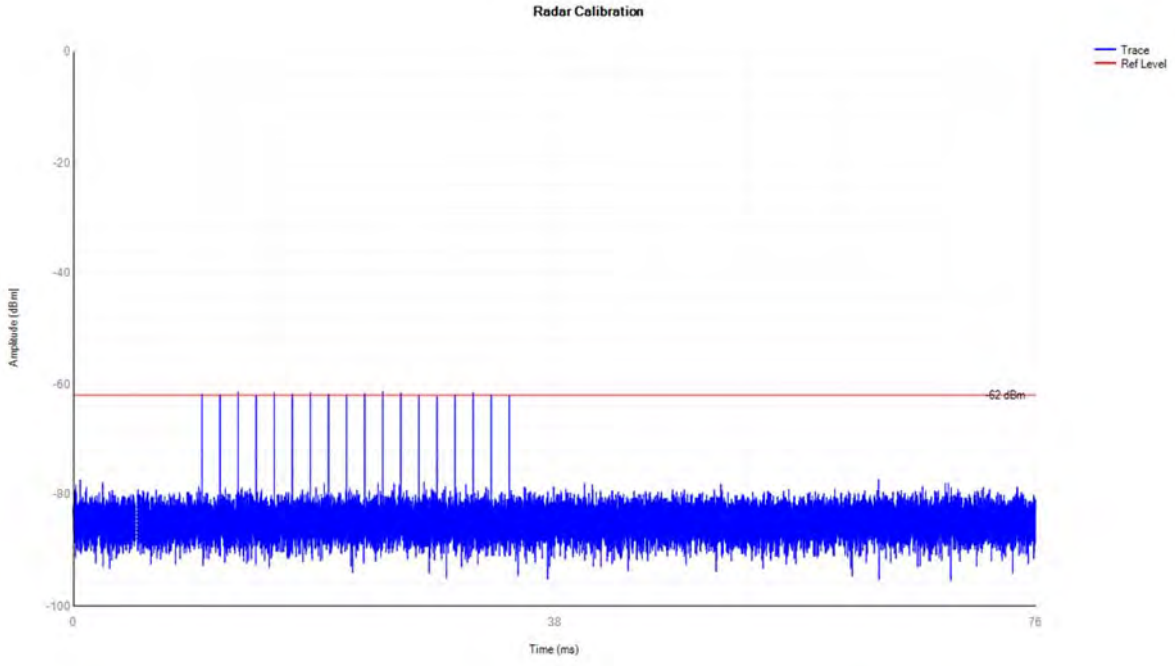
5500MHz DFS_FCC_T0



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	0.874	10	0.093	0.26	0.01	0.06	Pass
a	5500	0.881	10	0.096	0.26	0.009	0.06	Pass
ac80	5290	0.762	10	0.035	0.26	0.008	0.06	Pass
ac80	5530	0.872	10	0.087	0.26	0.009	0.06	Pass

Spectrum analyzer settings:

Span: Zero

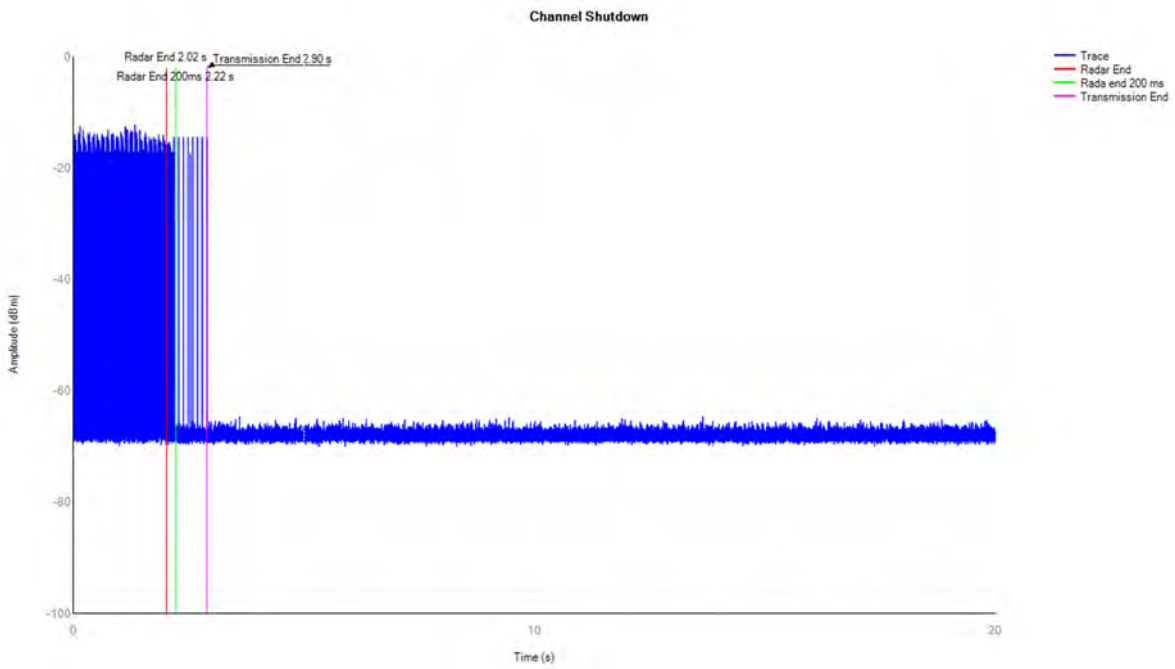
Detector type: Peak

RBW: 3MHz

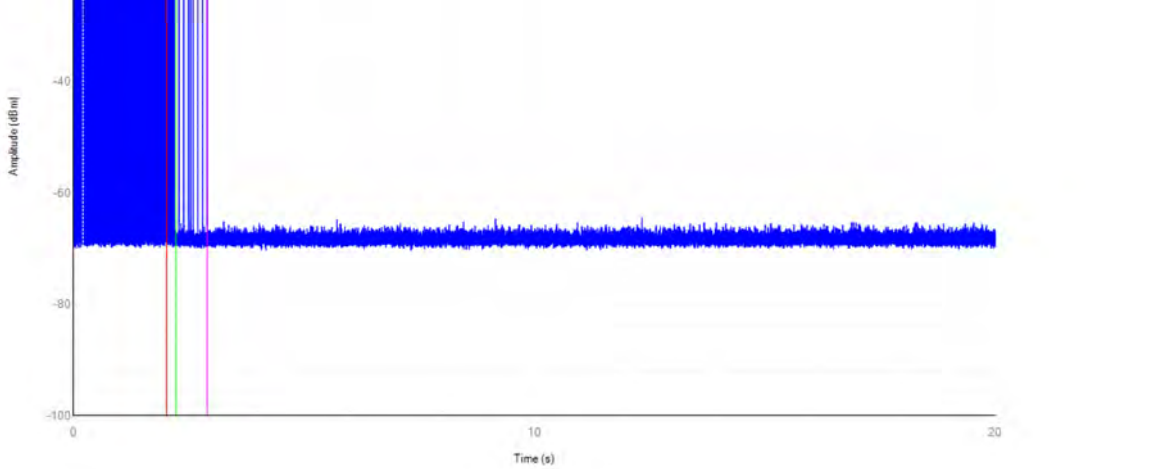
VBW: 3MHz

Sweep time: 20s

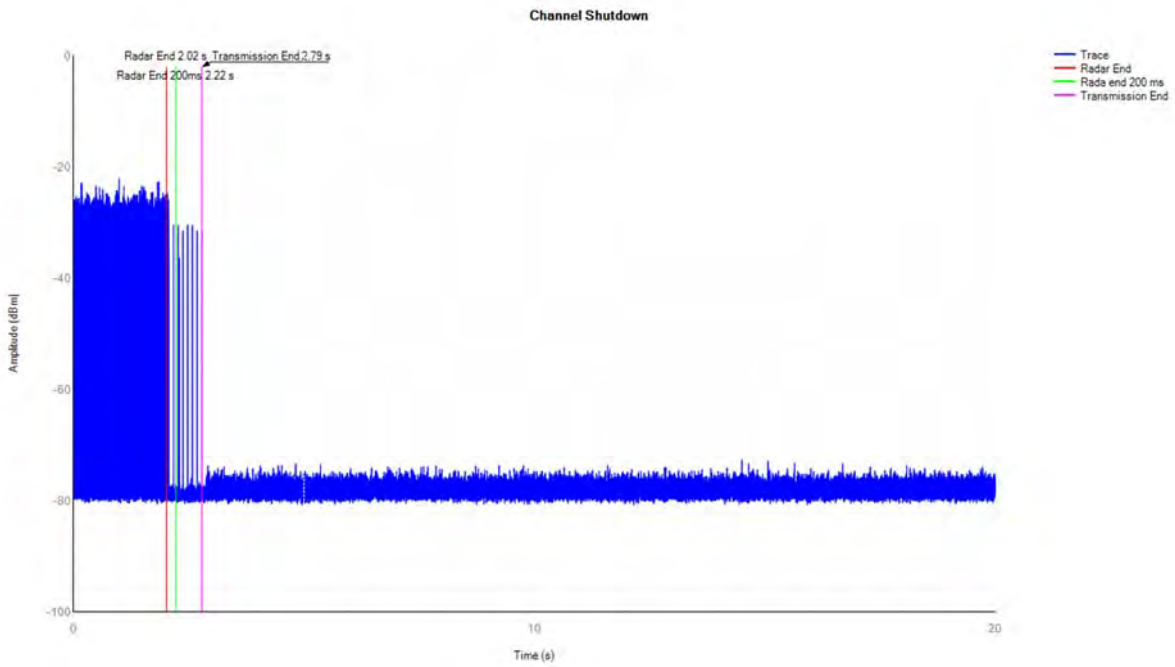
Test Graphs
a 5320MHz Shutdown



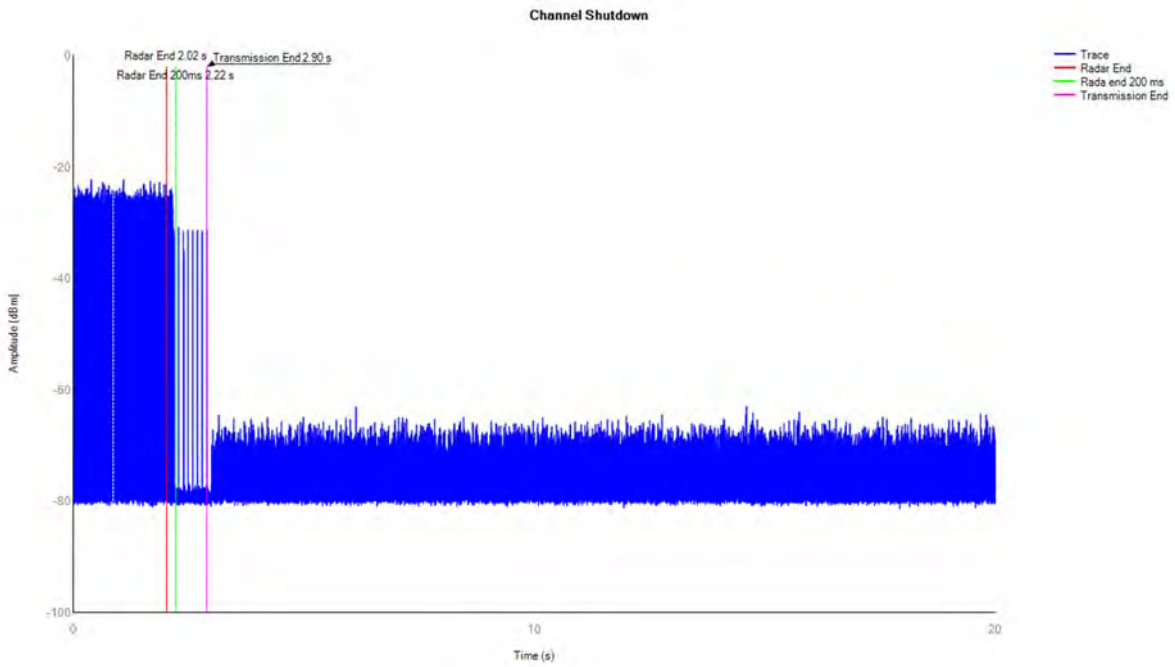
a 5500MHz Shutdown



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.

Non-Occupancy Period

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

Spectrum analyzer settings:

Span: Zero

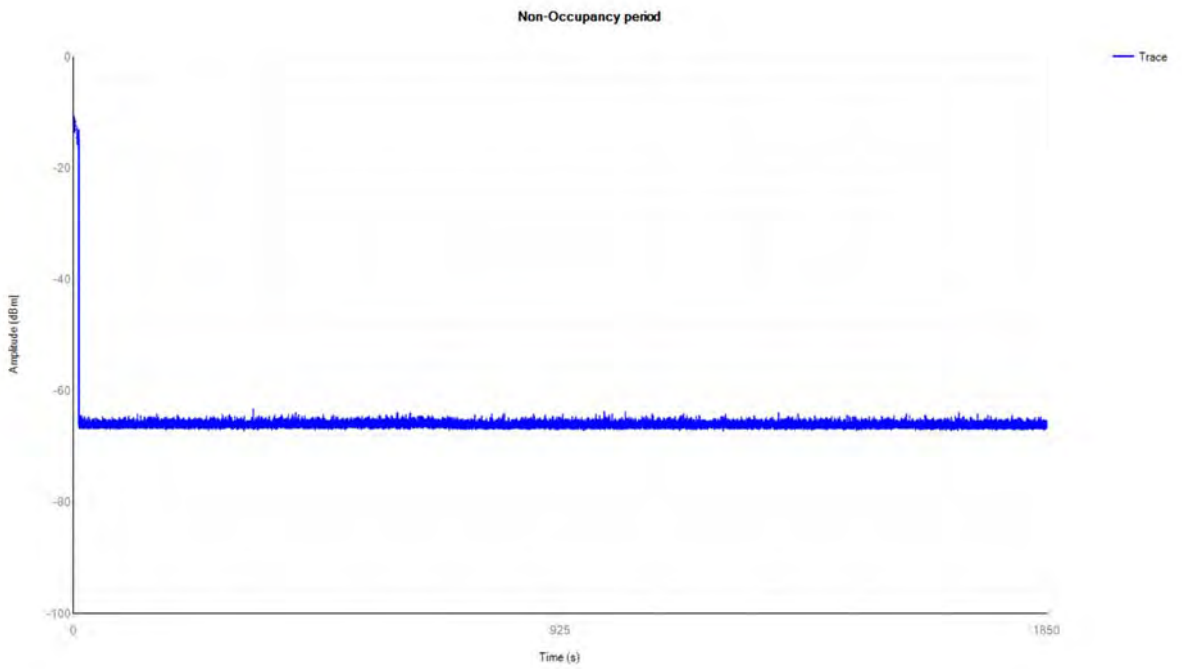
Detector type: Peak

RBW: 3MHz

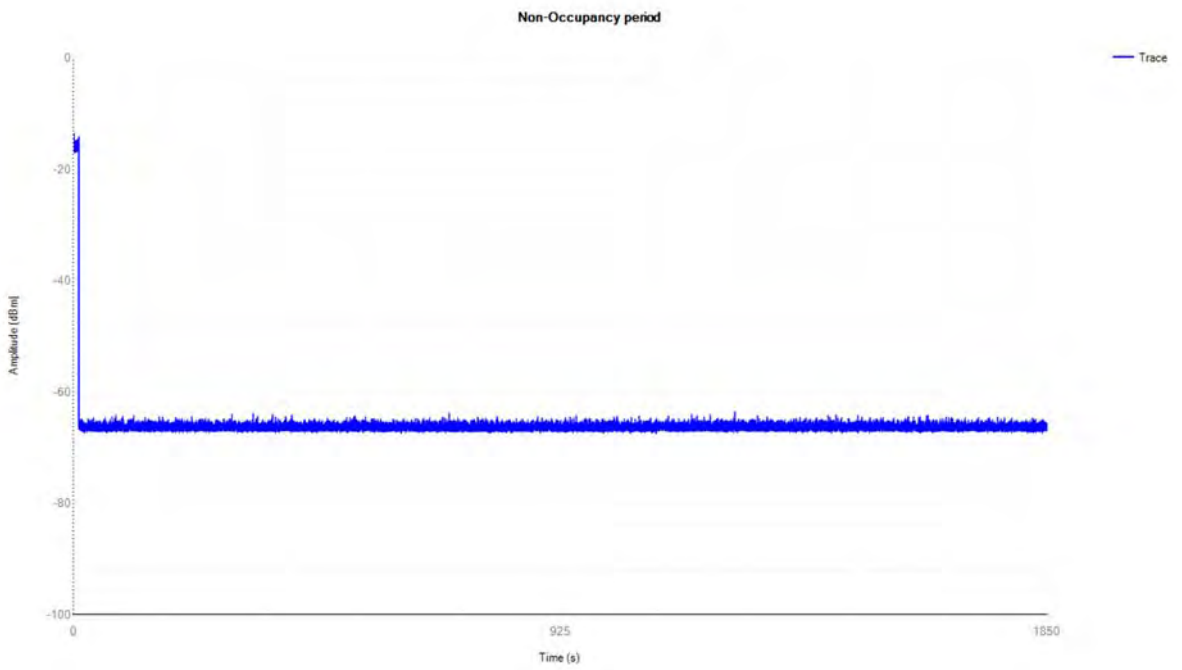
VBW: 3MHz

Sweep time: 1850s

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

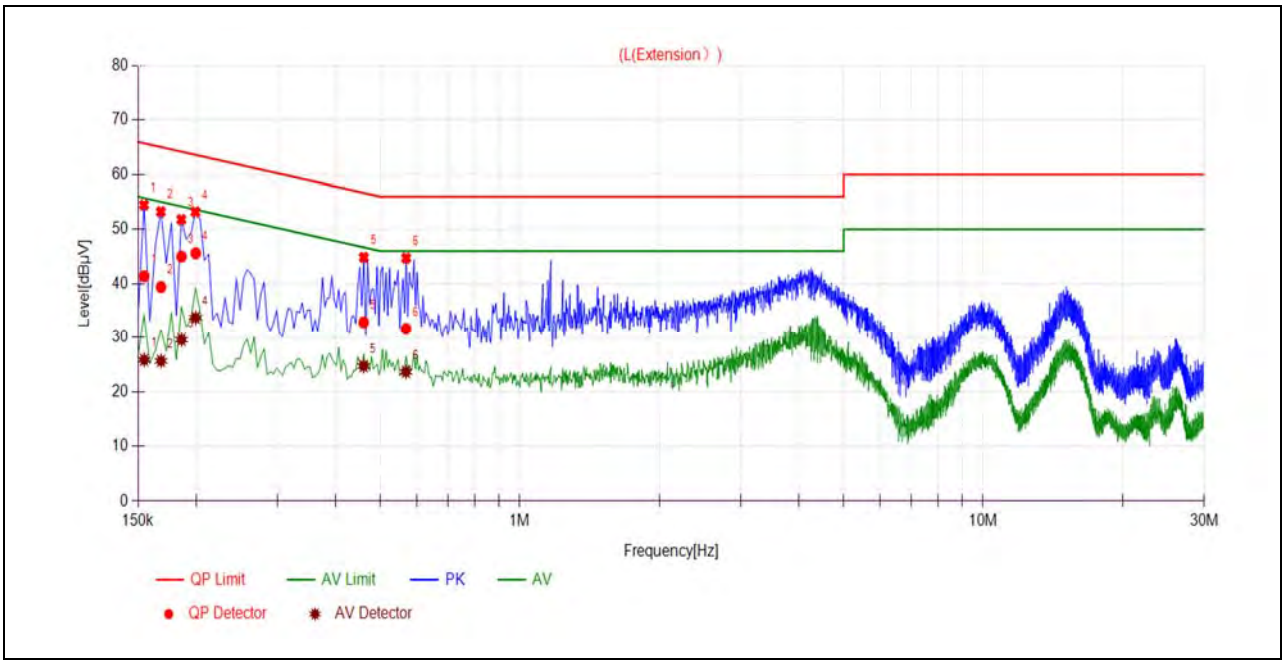
The measurement results are obtained as below:

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

U_R: Receiver Reading

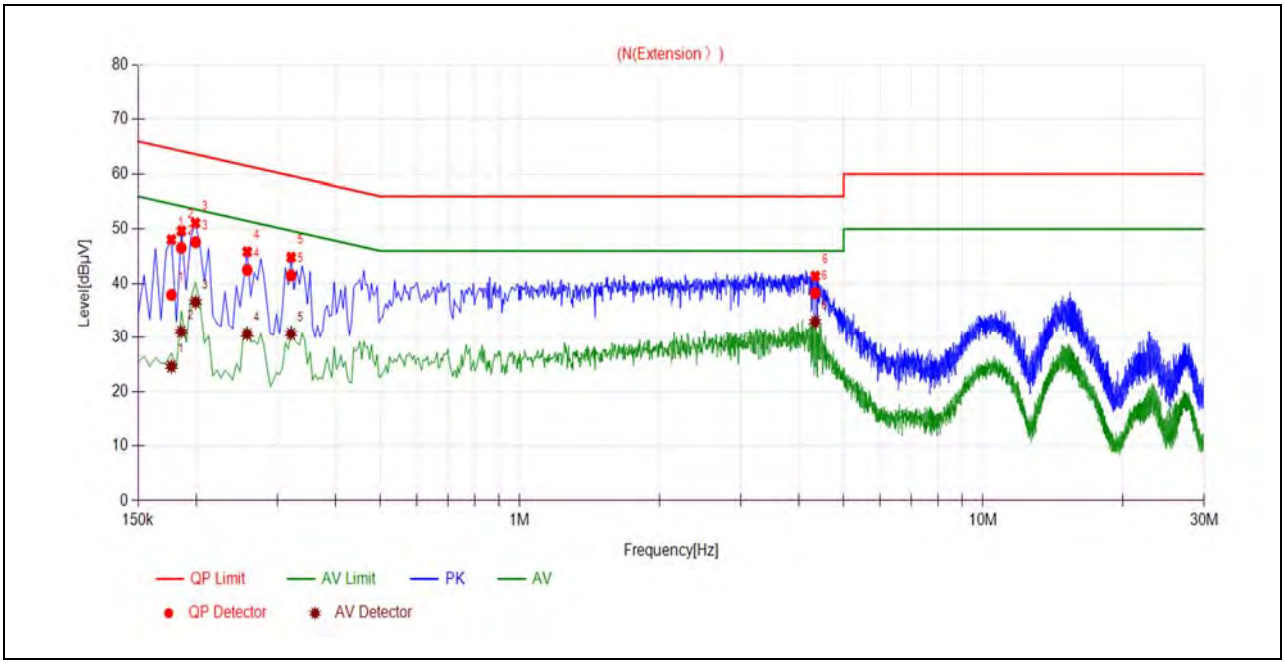
A_{Factor}: Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1546	41.38	25.83	65.75	55.75	Line	PASS
2	0.1681	39.39	25.64	65.05	55.05		PASS
3	0.1861	45.00	29.56	64.21	54.21		PASS
4	0.1997	45.61	33.70	63.62	53.62		PASS
5	0.4601	32.85	24.68	56.69	46.69		PASS
6	0.5680	31.63	23.62	56.00	46.00		PASS



(N Phase)

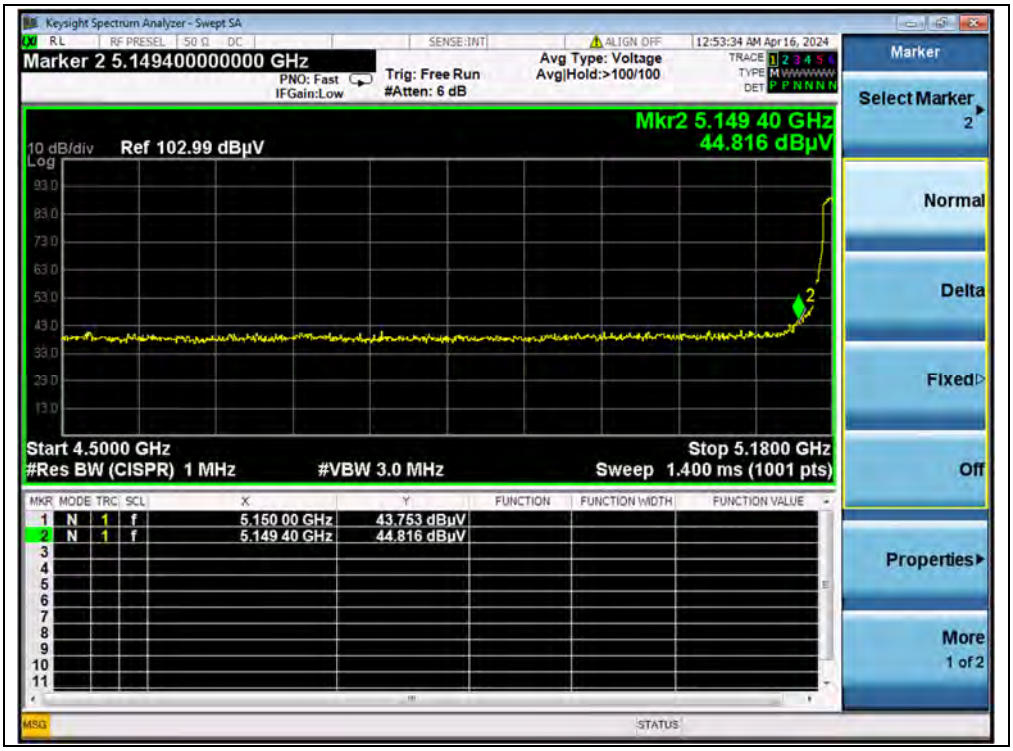
No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1770	37.92	24.62	64.63	54.63	Neutral	PASS
2	0.1859	46.58	31.11	64.22	54.22		PASS
3	0.1996	47.61	36.61	63.63	53.63		PASS
4	0.2580	42.50	30.64	61.50	51.50		PASS
5	0.3208	41.51	30.72	59.69	49.69		PASS
6	4.3412	38.28	32.98	56.00	46.00		PASS

A.8. Restricted Frequency Bands

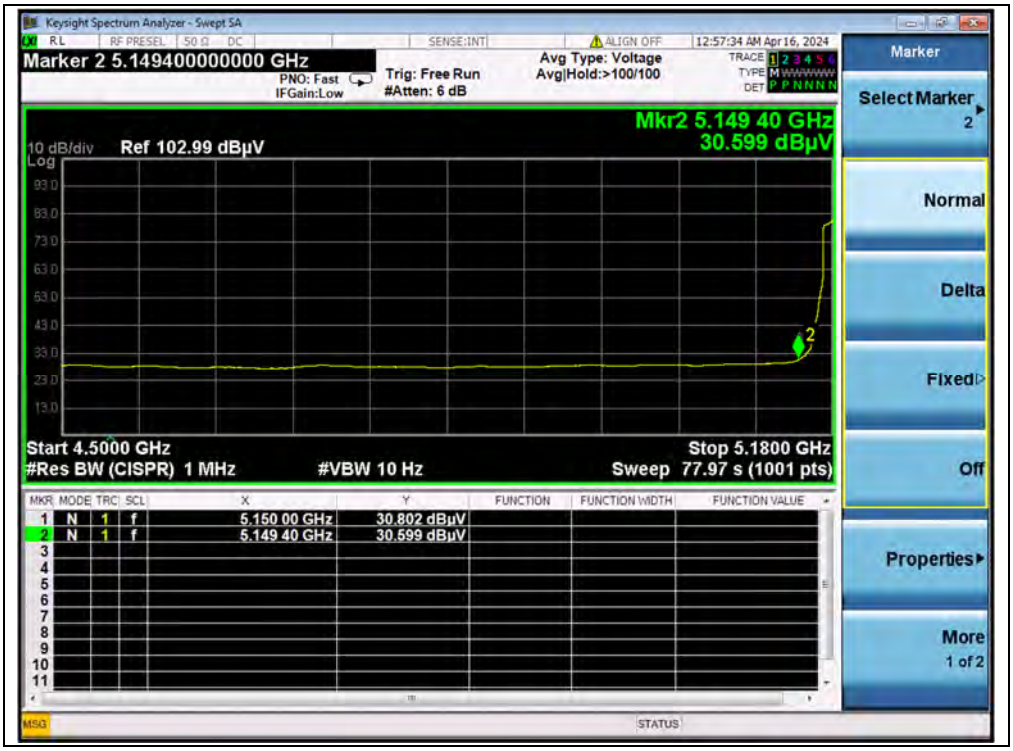
The lowest and highest channels are tested to verify the Restricted Frequency Bands.
The measurement results are obtained as below:
E [dBμV/m] $=U_R + A_T + A_{Factor}$ [dB]; $A_T = L_{Cable\ loss}$ [dB]-G_{preamp} [dB]
A_T: Total correction Factor except Antenna
U_R: Receiver Reading
G_{preamp}: Preamplifier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

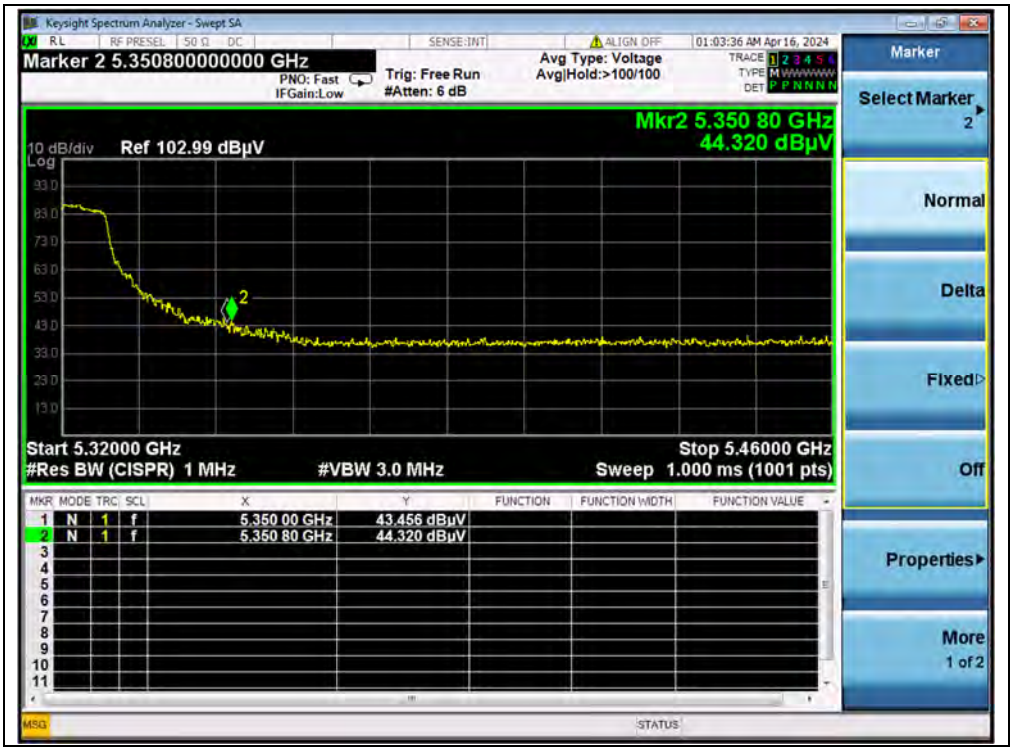
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
36	5149.40	PK	44.82	-21.29	32.20	55.73	74	PASS
36	5150.00	AV	30.80	-21.29	32.20	41.71	54	PASS
64	5350.80	PK	44.32	-20.66	32.20	55.86	74	PASS
64	5350.38	AV	28.54	-20.66	32.20	40.08	54	PASS
100	5467.00	PK	41.51	-20.24	32.20	53.47	68.23	PASS
100	5097.00	AV	28.97	-20.24	32.20	40.93	54	PASS
144	5725.00	PK	44.84	-20.24	32.20	56.80	68.23	PASS
149	5725.00	PK	55.03	-21.11	32.20	66.12	122.23	PASS
165	5850.00	PK	54.84	-21.11	32.20	65.93	122.23	PASS



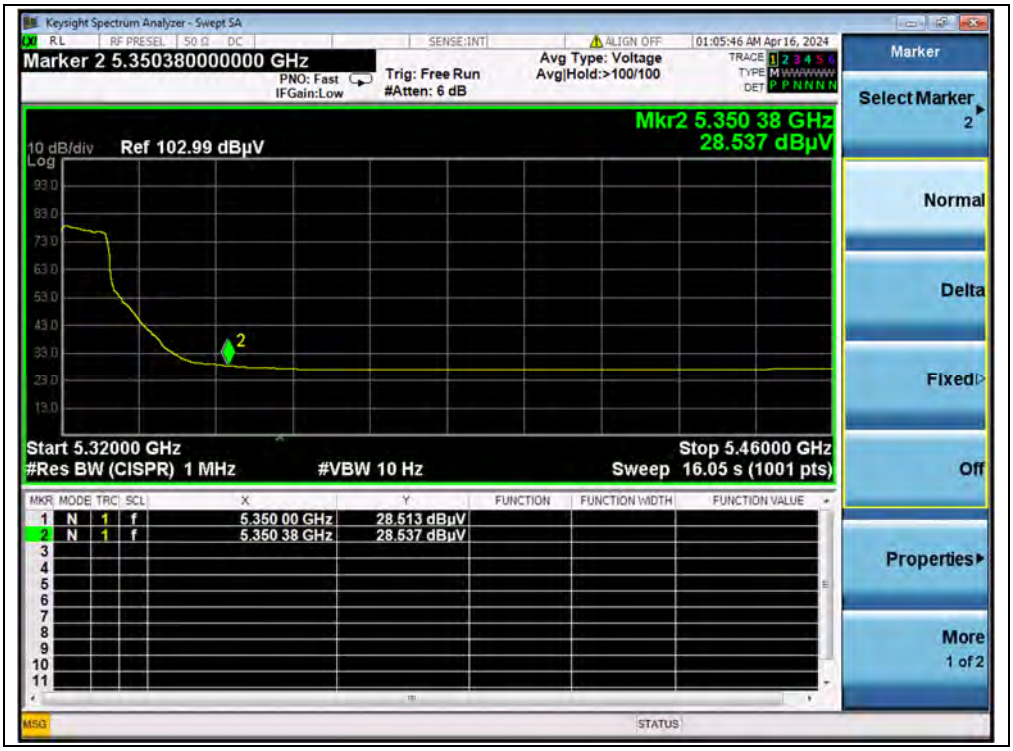
(PEAK, Channel 36, 802.11a)



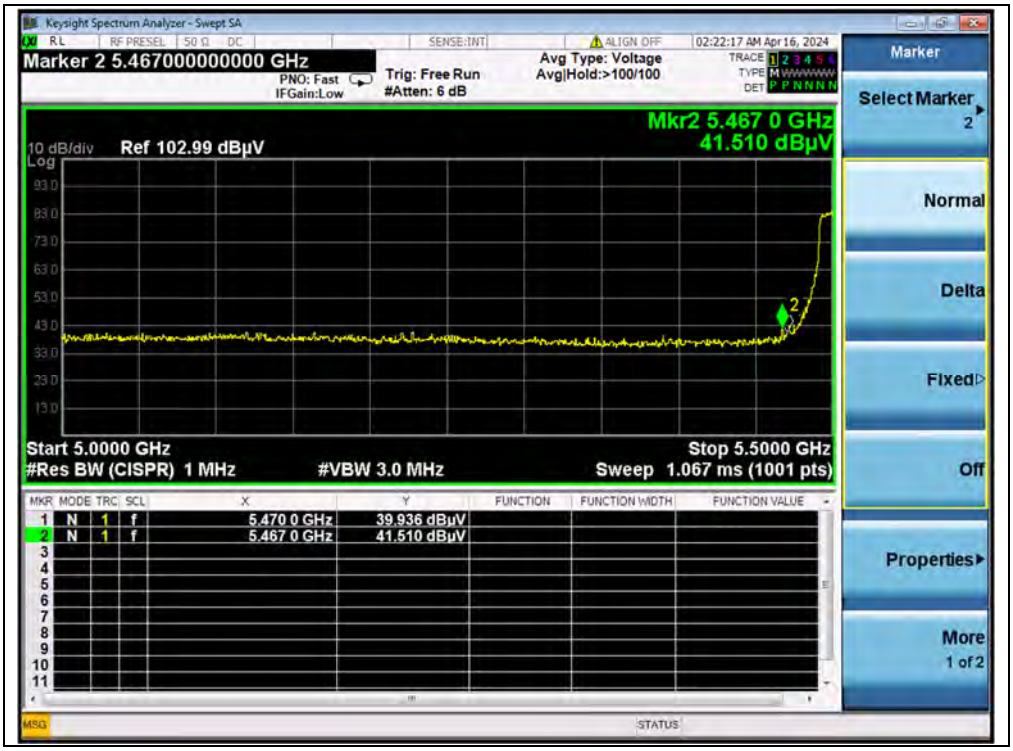
(AVERAGE, Channel 36, 802.11a)



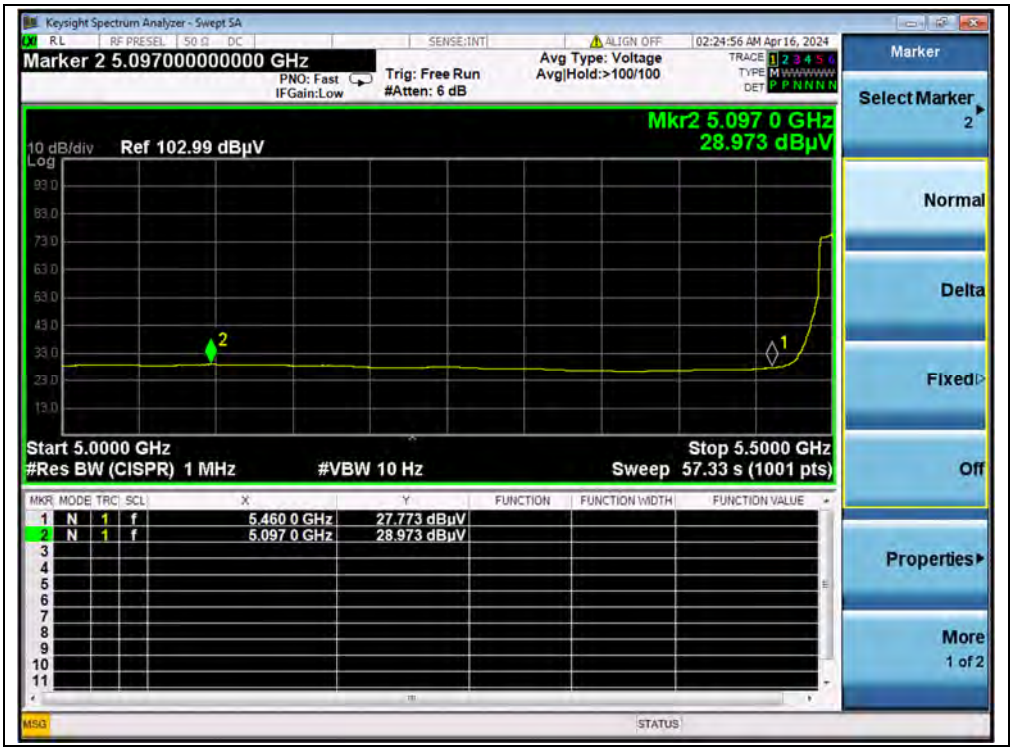
(PEAK, Channel 64, 802.11a)



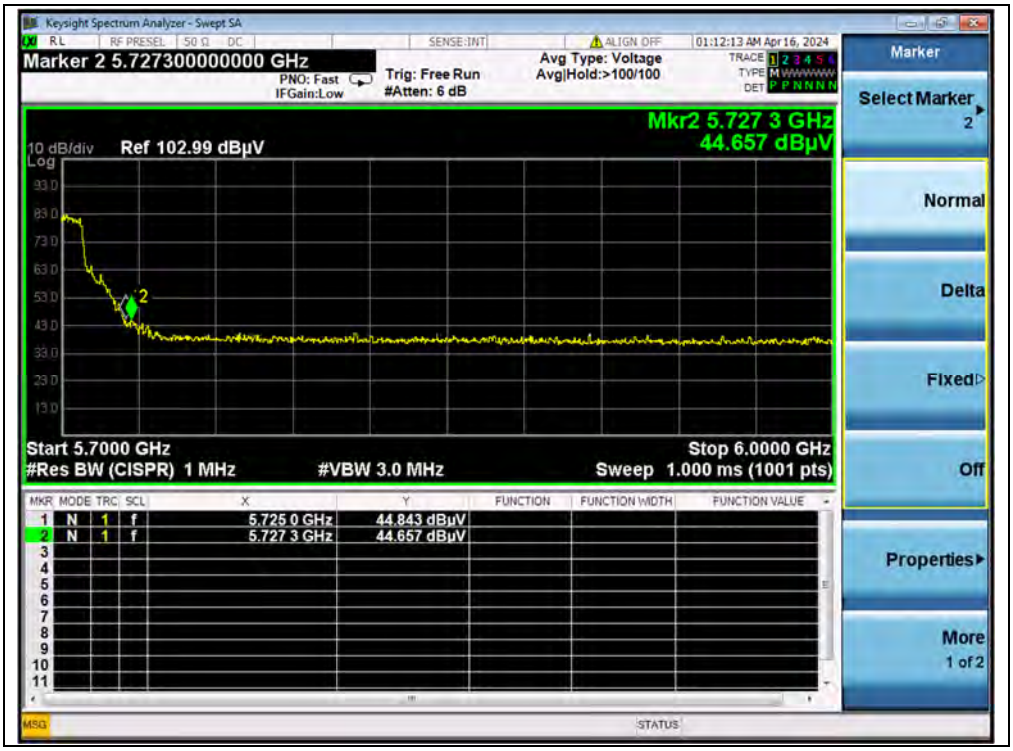
(AVERAGE, Channel 64, 802.11a)



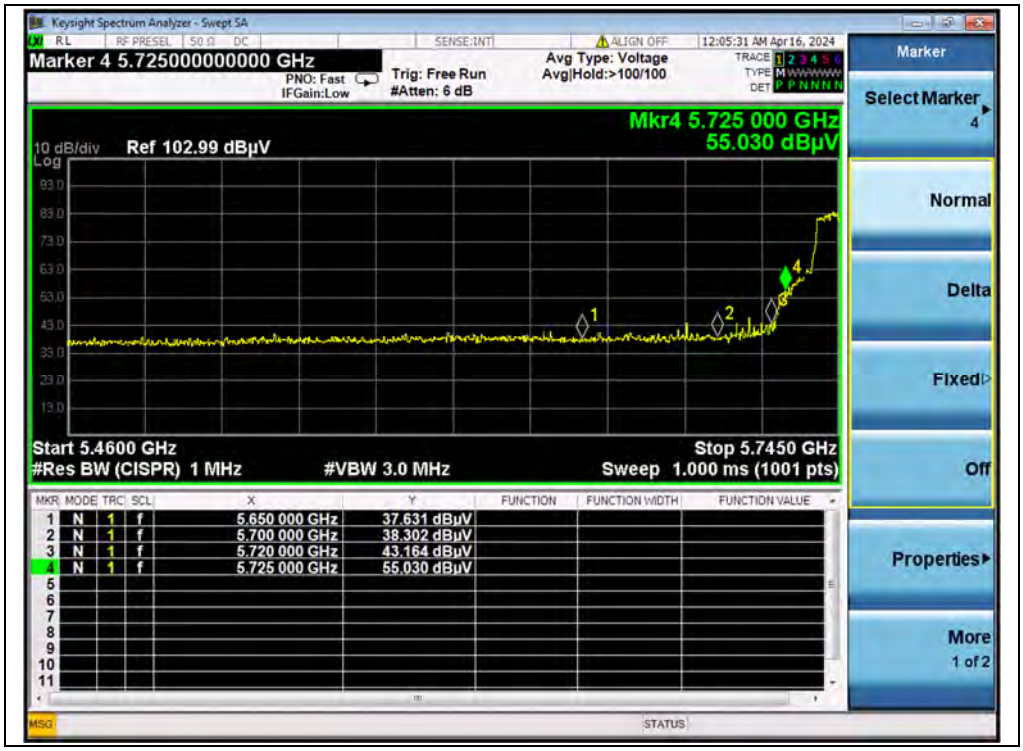
(PEAK, Channel 100, 802.11a)



(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)

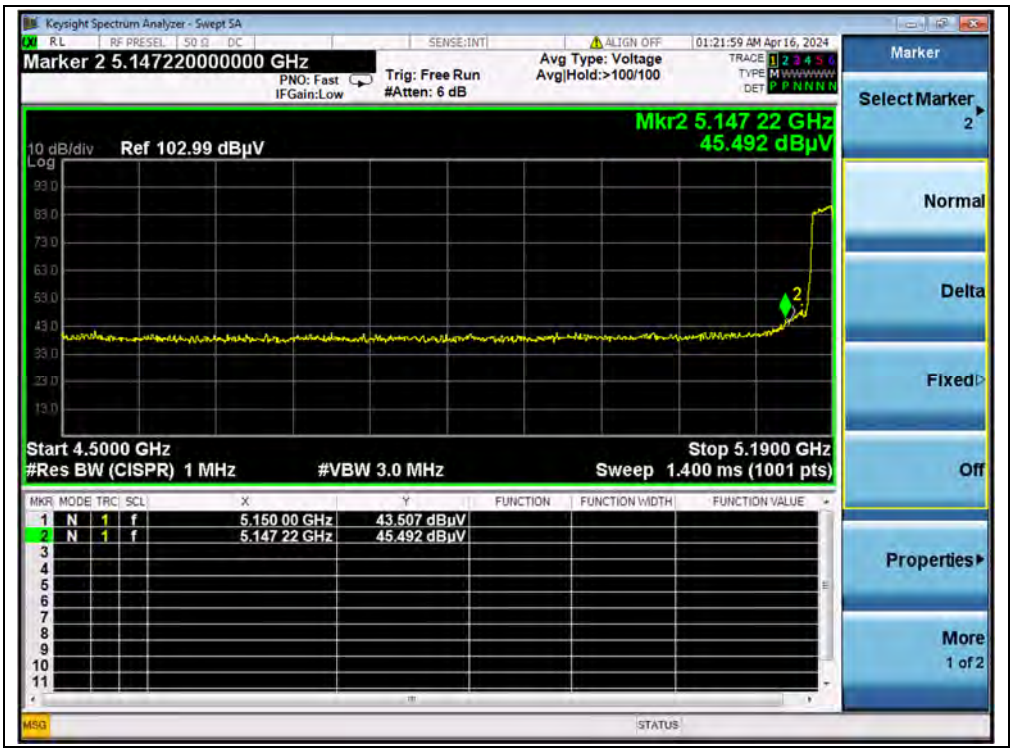


(PEAK, Channel 149, 802.11a)

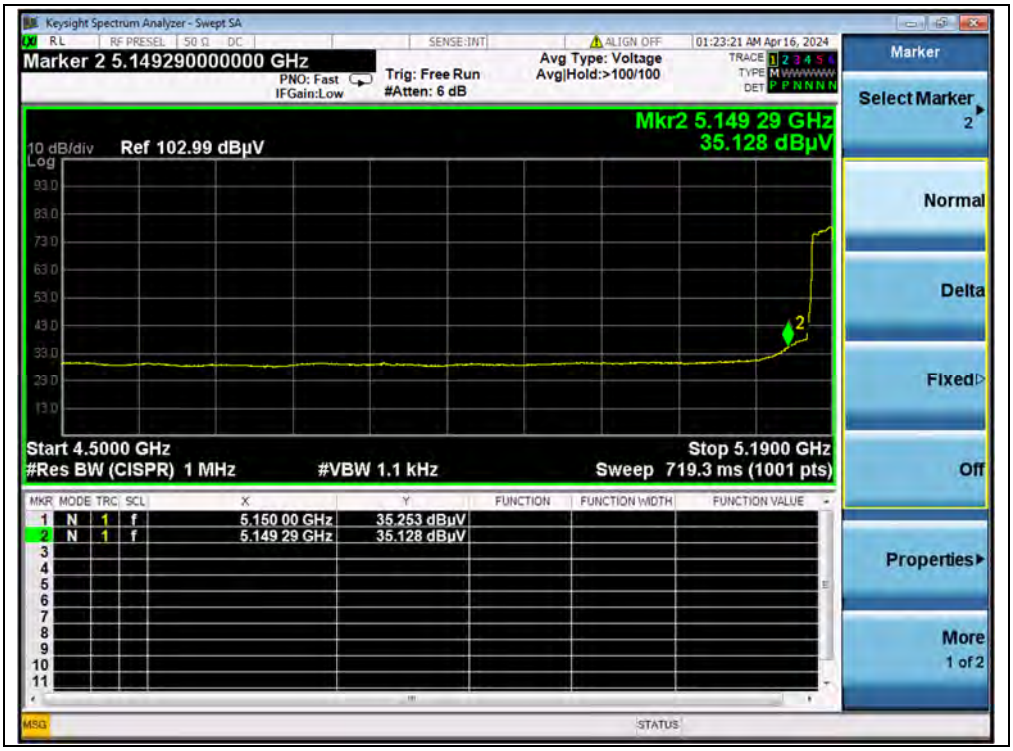
(PEAK, Channel 165, 802.11a)

802.11n (HT40) Mode

Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
38	5147.22	PK	45.49	-21.29	32.20	56.40	74	PASS
38	5150.00	AV	35.25	-21.29	32.20	46.16	54	PASS
62	5353.35	PK	44.65	-20.66	32.20	56.19	74	PASS
62	5350.00	AV	34.07	-20.66	32.20	45.61	54	PASS
102	5468.18	PK	43.10	-20.24	32.20	55.06	68.23	PASS
102	5101.49	AV	30.12	-20.24	32.20	42.08	54	PASS
142	5727.75	PK	42.80	-20.24	32.20	54.76	68.23	PASS
151	5725.00	PK	55.27	-21.11	32.20	66.36	122.23	PASS
159	5850.00	PK	46.35	-21.11	32.20	57.44	122.23	PASS

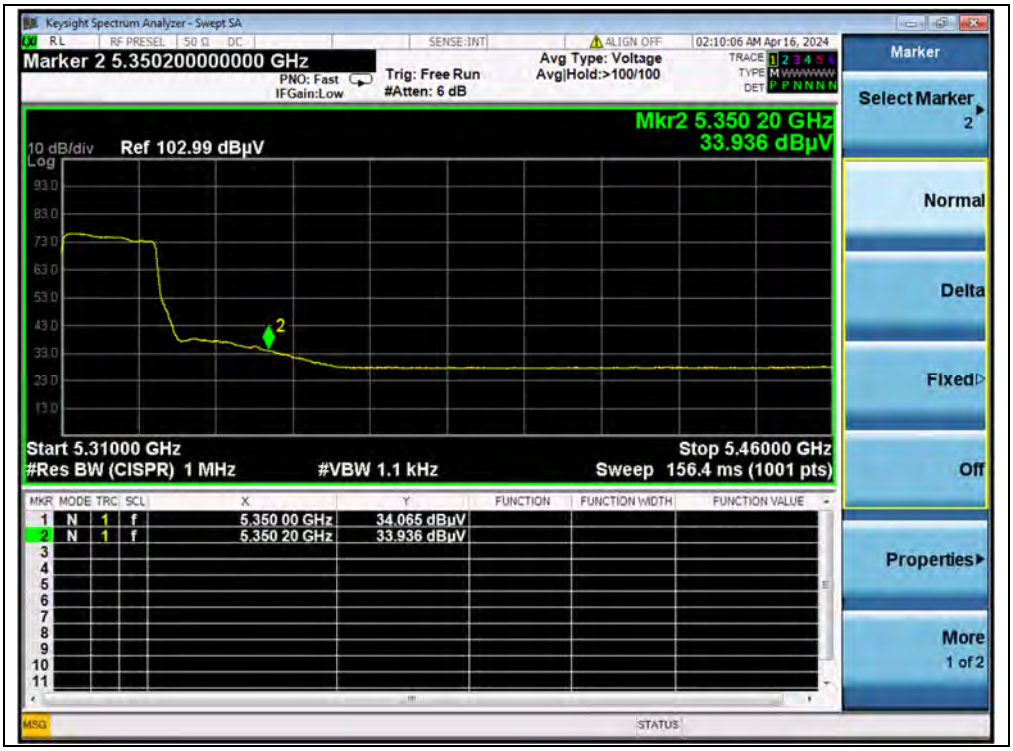


(PEAK, Channel 38, 802.11n (HT40))

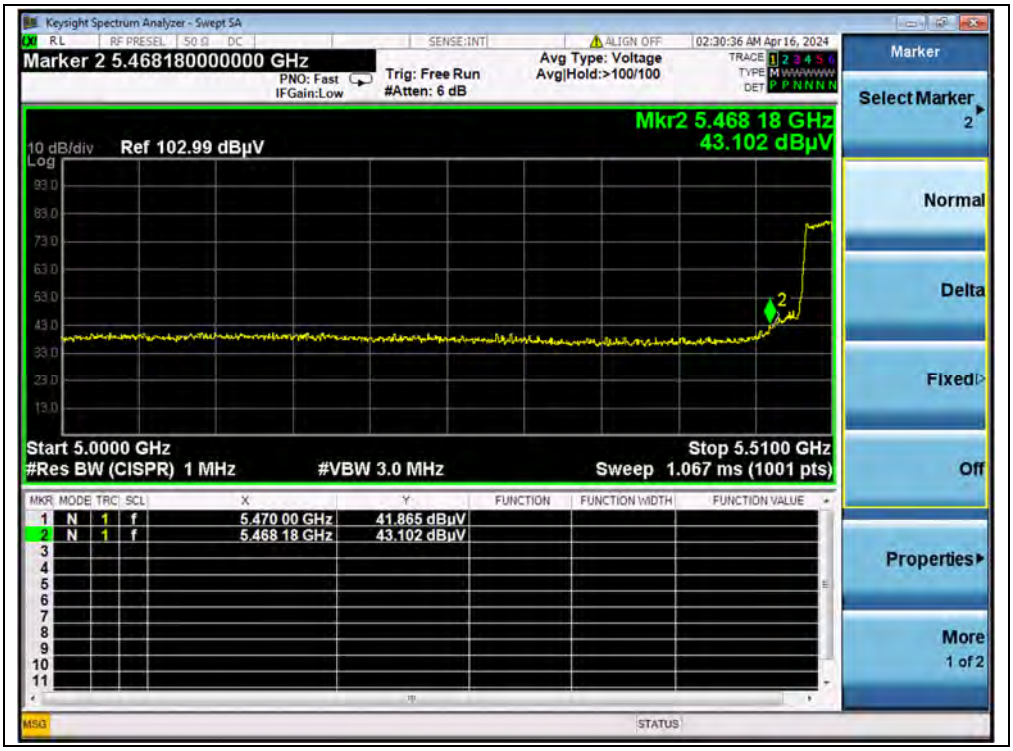


(AVERAGE, Channel 38, 802.11n (HT40))

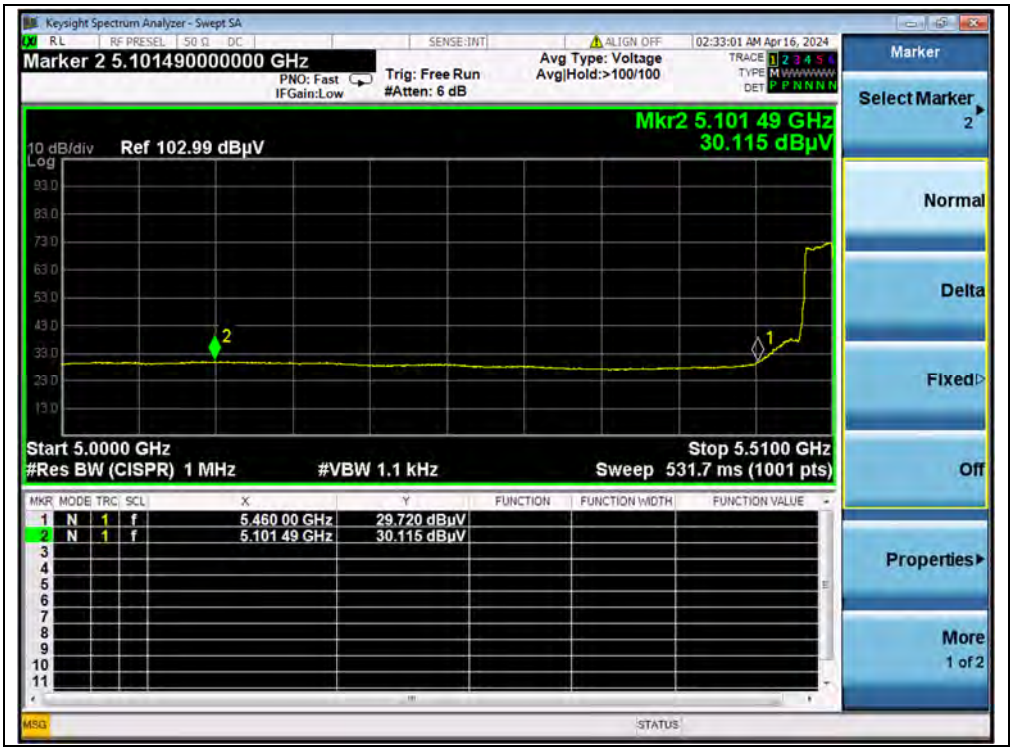
(PEAK, Channel 62, 802.11n (HT40))



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



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



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

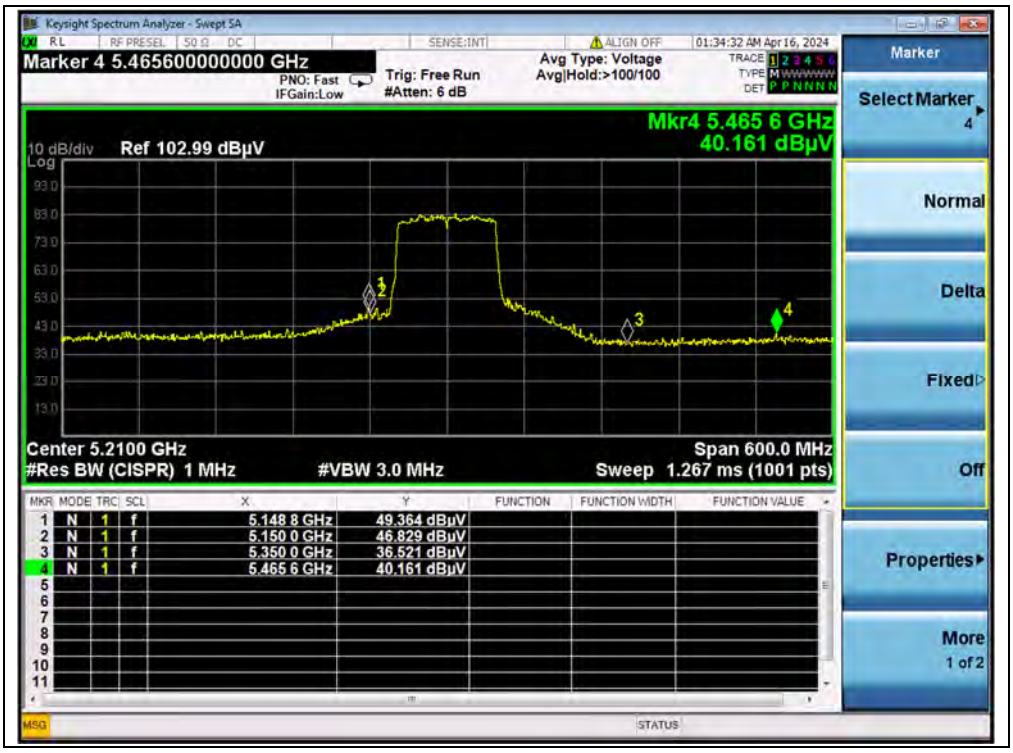
(PEAK, Channel 142, 802.11n (HT40))

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

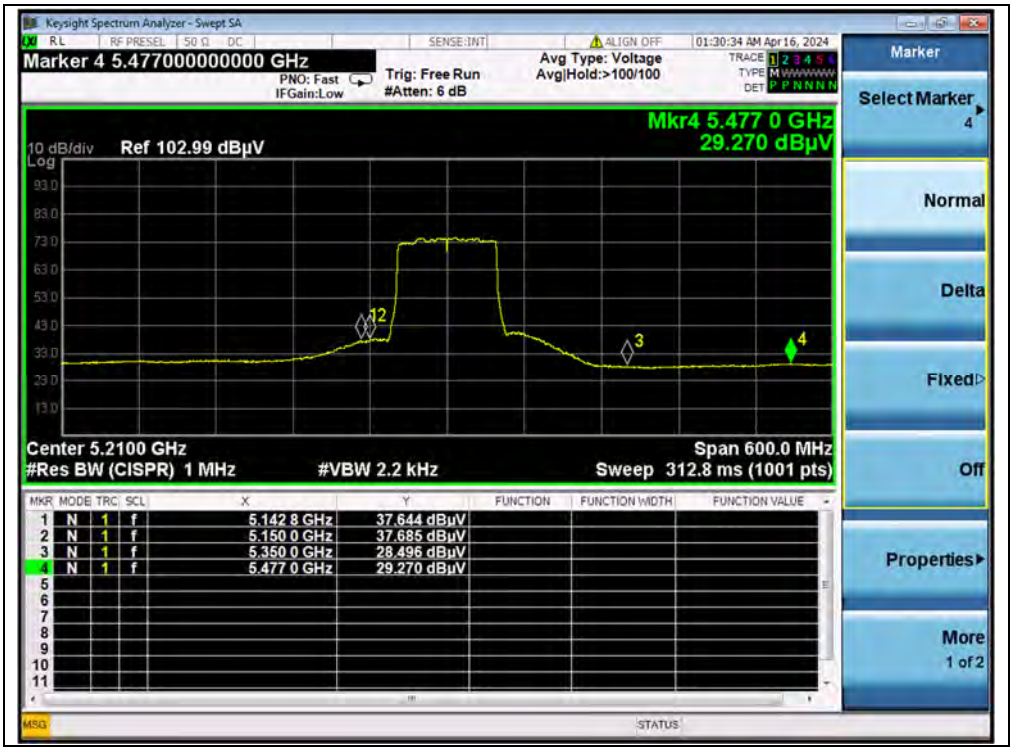
(PEAK, Channel 159, 802.11n (HT40))

802.11ac (VHT80) Mode

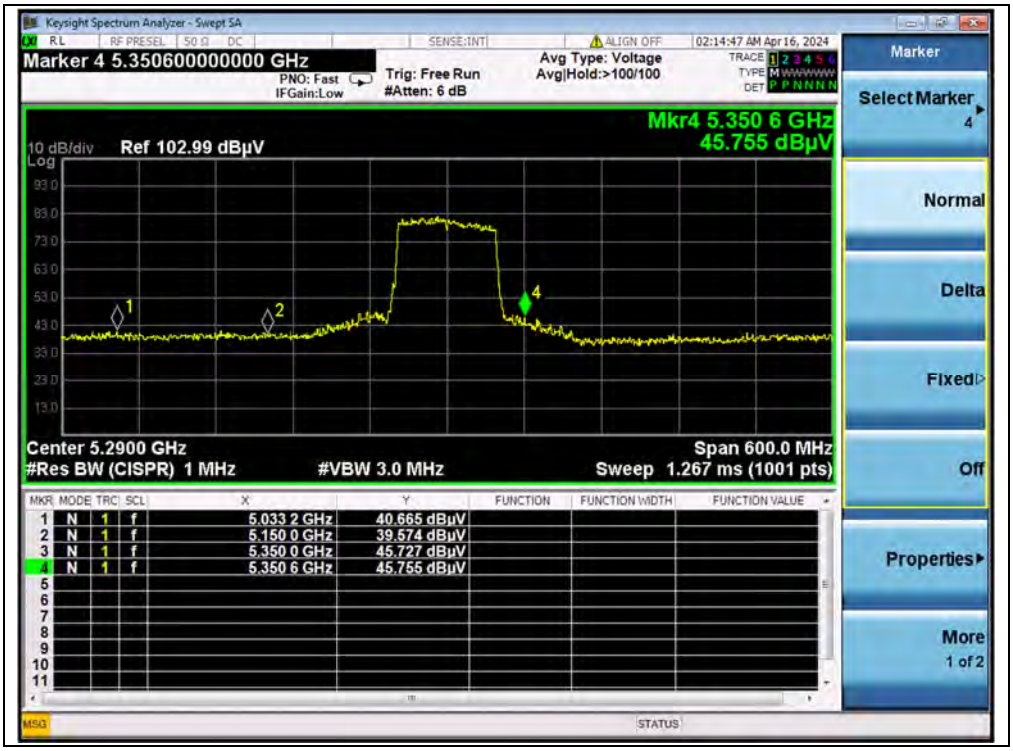
Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
42	5148.80	PK	49.36	-21.29	32.20	60.27	74	PASS
42	5150.00	AV	37.69	-21.29	32.20	48.60	54	PASS
58	5350.60	PK	45.76	-20.66	32.20	57.30	74	PASS
58	5350.60	AV	36.05	-20.66	32.20	47.59	54	PASS
106	5466.40	PK	45.40	-20.24	32.20	57.36	68.23	PASS
106	5459.51	AV	34.53	-20.24	32.20	46.49	54	PASS
138	5745.72	PK	41.34	-20.24	32.20	53.30	68.23	PASS
155	5720.00	PK	56.18	-21.11	32.20	67.27	110.83	PASS
155	5855.00	PK	53.54	-21.11	32.20	64.63	110.83	PASS



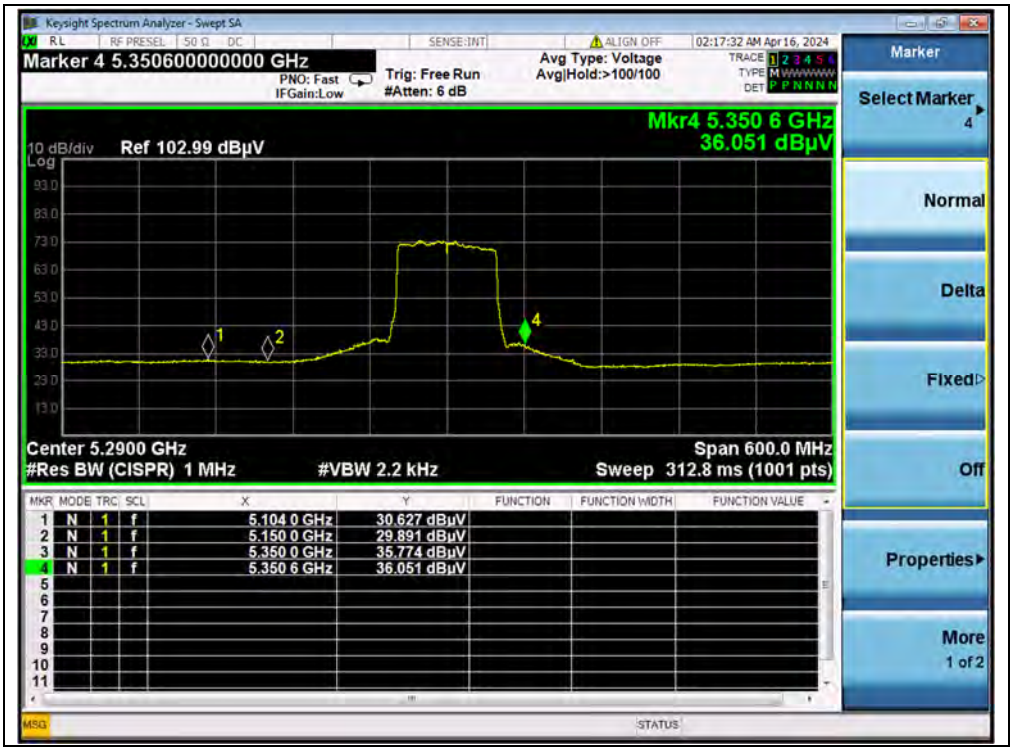
(PEAK, Channel 42, 802.11ac (VHT80))



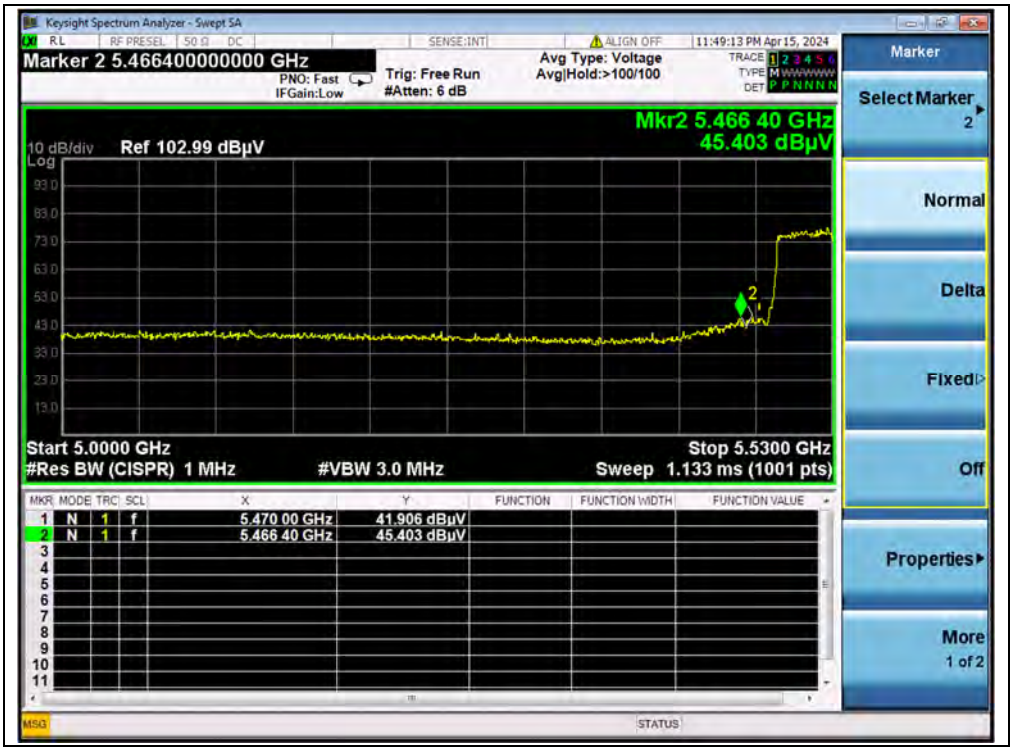
(AVERAGE, Channel 42, 802.11ac (VHT80))



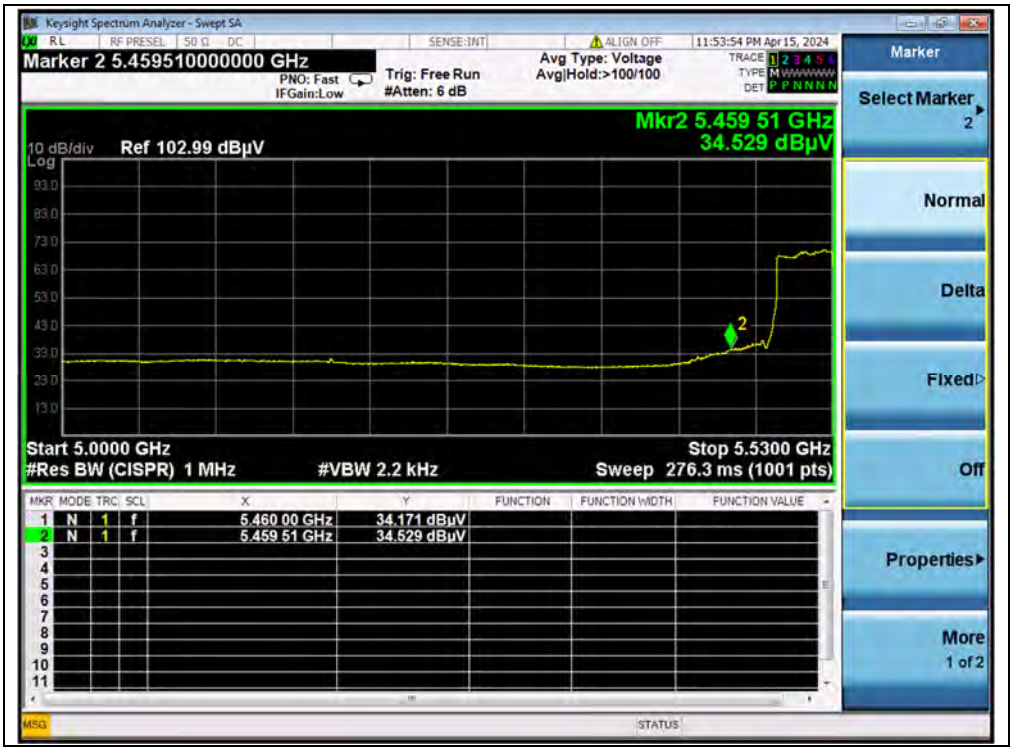
(PEAK, Channel 58, 802.11ac (VHT80))



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



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



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

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

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

A.9. Radiated Emission

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

The measurement results are obtained as below:

E [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.

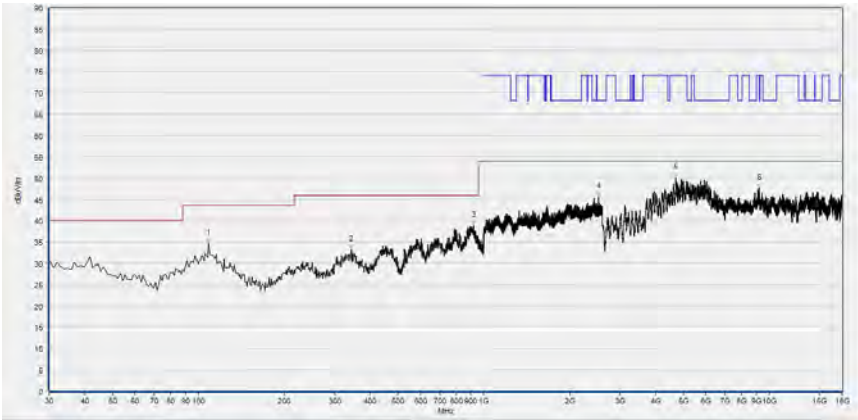
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 18GHz to 40GHz 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.

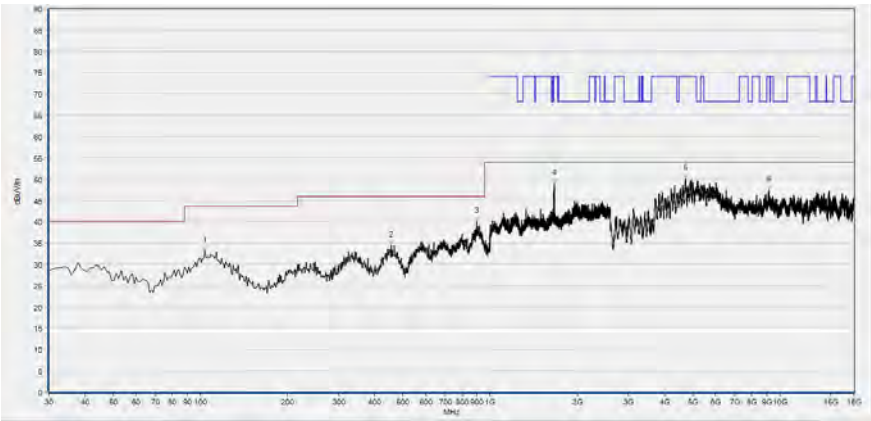
802.11a Mode

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
108.570	34.69	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
343.310	33.24	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
918.520	38.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2523.733	45.61	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4709.800	50.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9209.680	47.68	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

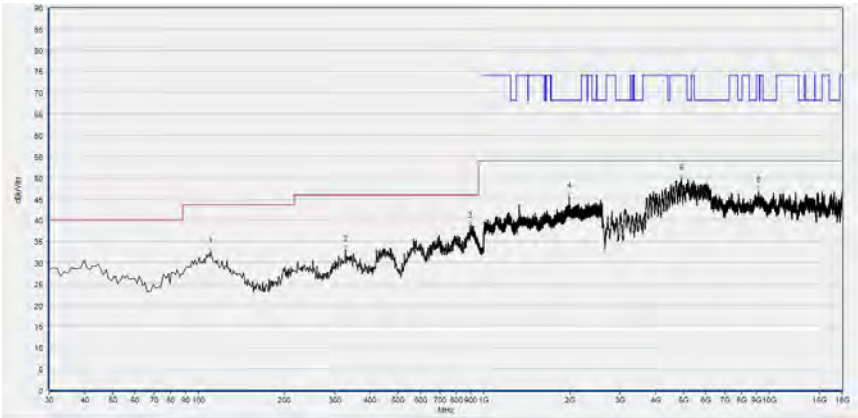
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.720	33.12	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
455.830	34.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
900.090	40.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1664.000	48.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4715.960	50.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9163.480	47.48	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

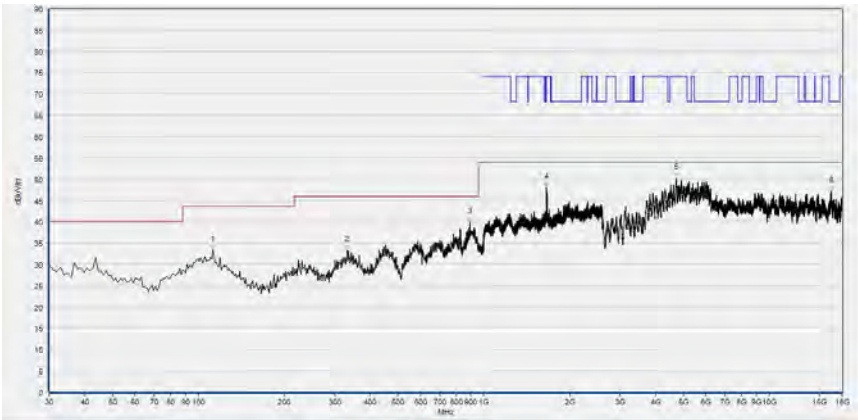
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	32.50	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
327.790	33.02	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
896.210	38.47	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1991.467	45.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4934.640	49.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9160.400	46.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

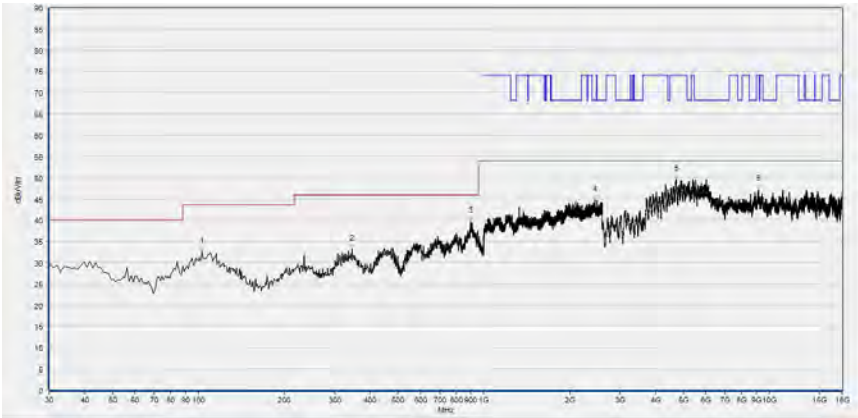
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.450	33.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
332.640	33.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
894.270	39.92	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1660.267	48.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4728.280	50.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16530.840	47.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

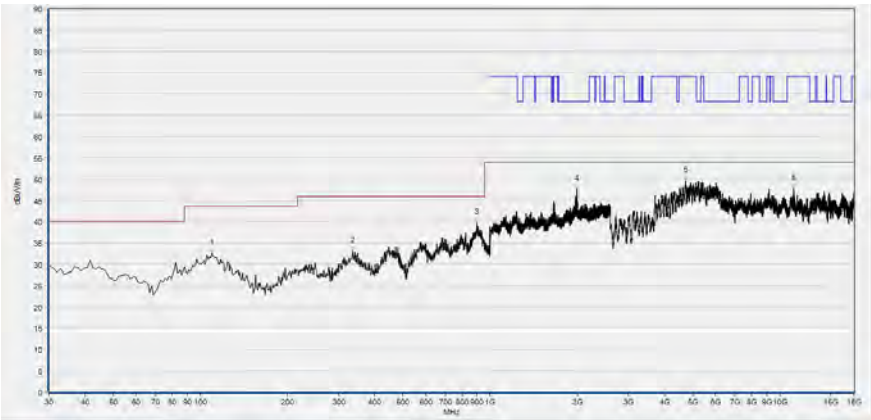
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	32.45	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
346.220	33.22	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
900.090	39.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.067	44.83	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4715.960	49.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9151.160	47.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

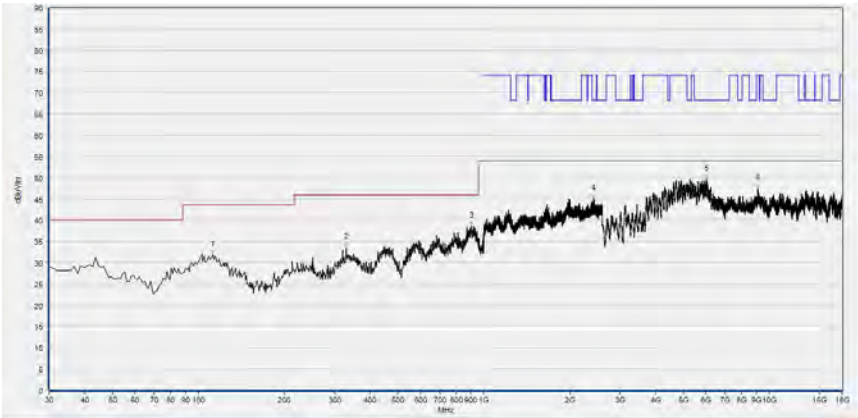
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	32.46	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
335.550	32.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
901.060	39.72	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1991.467	47.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4728.280	49.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11187.040	47.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

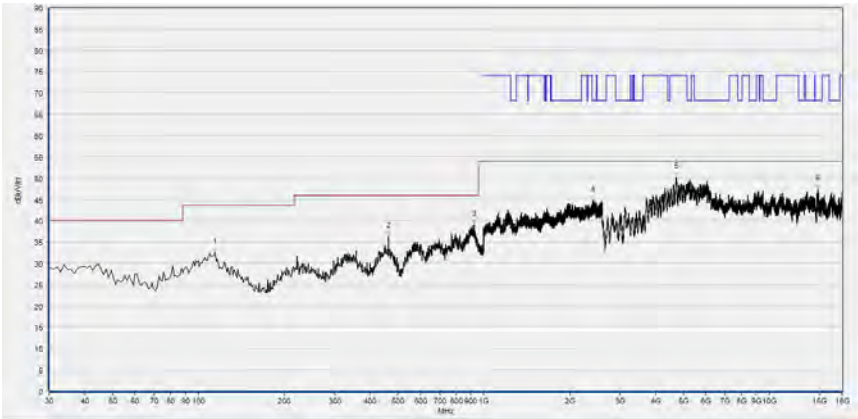
(Antenna Vertical, 30MHz to 18GHz)

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
112.450	31.86	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
329.730	33.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.030	38.51	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2428.800	45.14	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6006.480	49.63	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9141.920	47.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

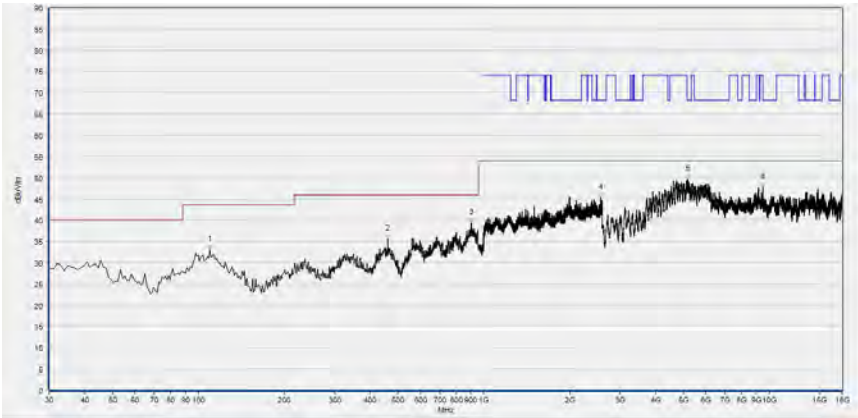
(Antenna Horizontal, 30MHz to 18GHz)



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
114.390	32.55	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
463.590	36.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
925.310	38.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2408.533	44.75	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4728.280	50.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14812.200	47.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

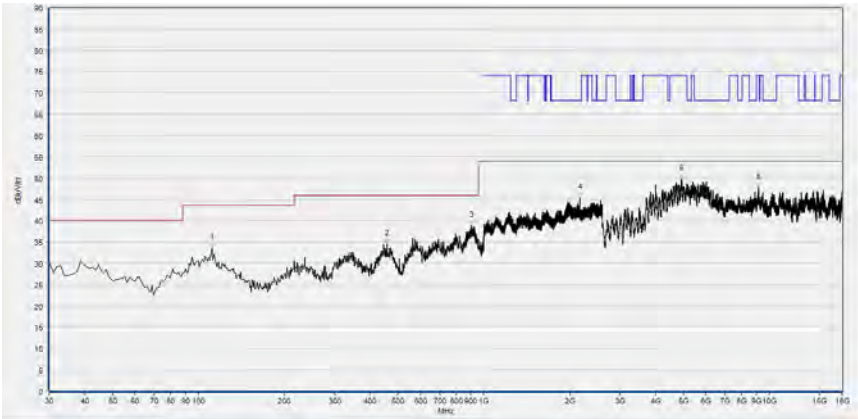
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.96	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
460.680	35.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
903.000	39.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2562.133	45.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5171.800	49.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9474.560	47.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

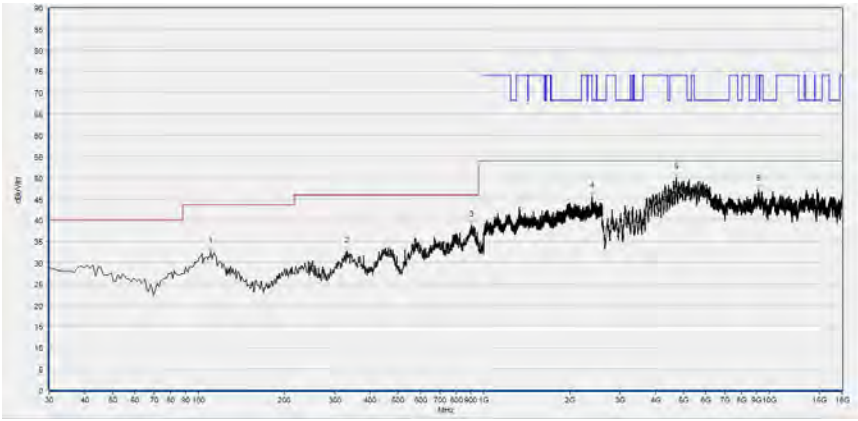
(Antenna Horizontal, 30MHz to 18GHz)



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
111.480	33.45	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
456.800	34.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
902.030	38.82	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2165.333	45.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4922.320	49.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9148.080	47.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

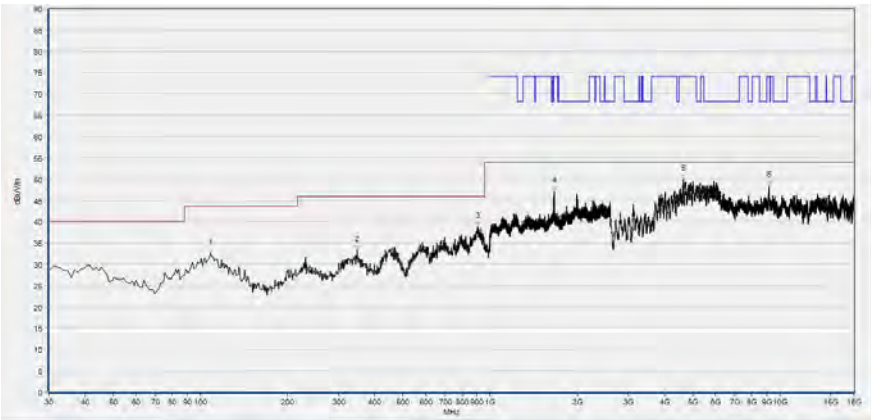
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	32.55	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
331.670	32.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
906.880	38.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2394.133	45.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4731.360	50.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9163.480	47.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

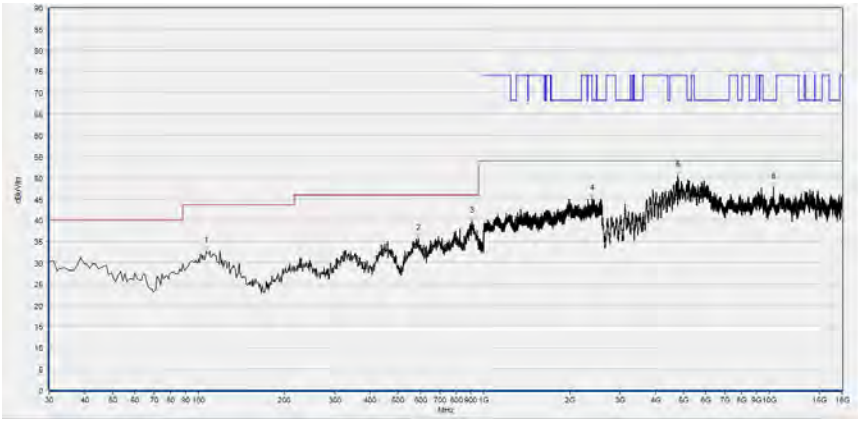
(Antenna Horizontal, 30MHz to 18GHz)



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
108.570	32.51	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
348.160	33.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
906.880	38.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1665.067	47.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4635.880	49.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9172.720	48.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

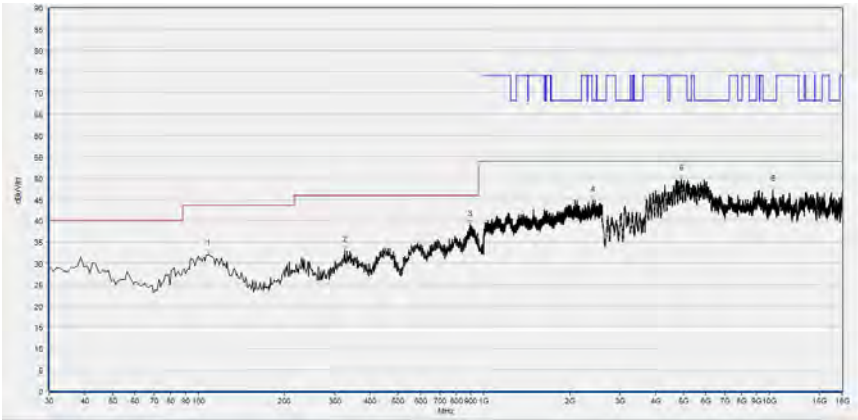
(Antenna Vertical, 30MHz to 18GHz)

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
106.630	32.66	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
590.660	35.64	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
907.850	39.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2396.800	45.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4780.640	50.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10358.520	47.81	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

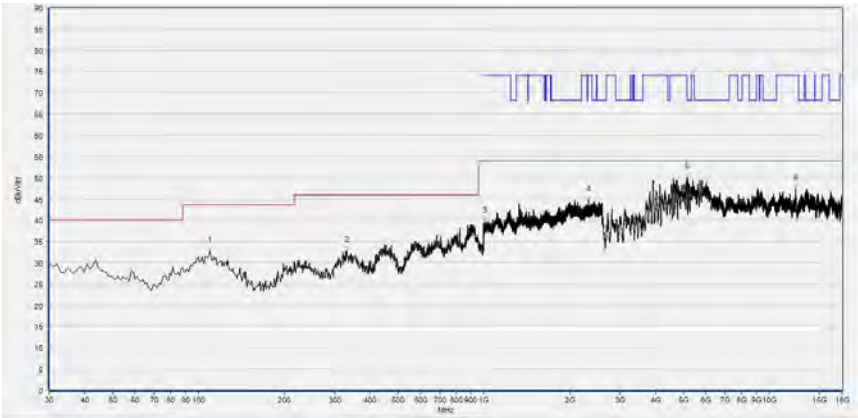
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	32.11	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
326.820	33.07	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
894.270	39.06	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2405.867	44.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4916.160	49.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10290.760	47.31	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

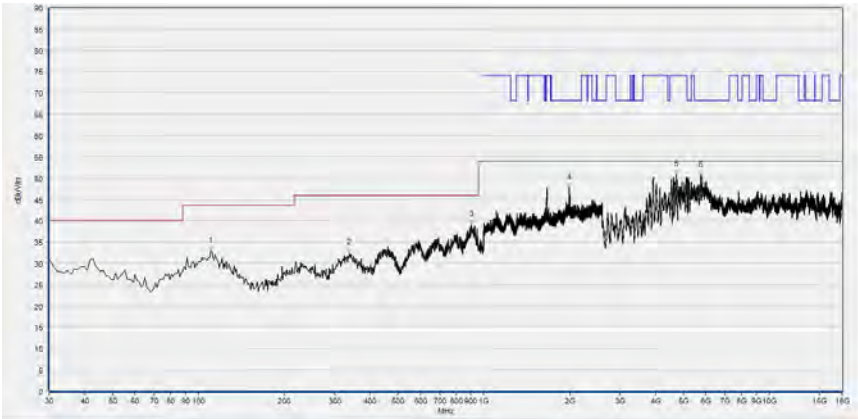
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 120



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	32.66	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
331.670	32.81	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1009.600	39.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2325.867	44.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5144.080	50.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12403.640	47.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

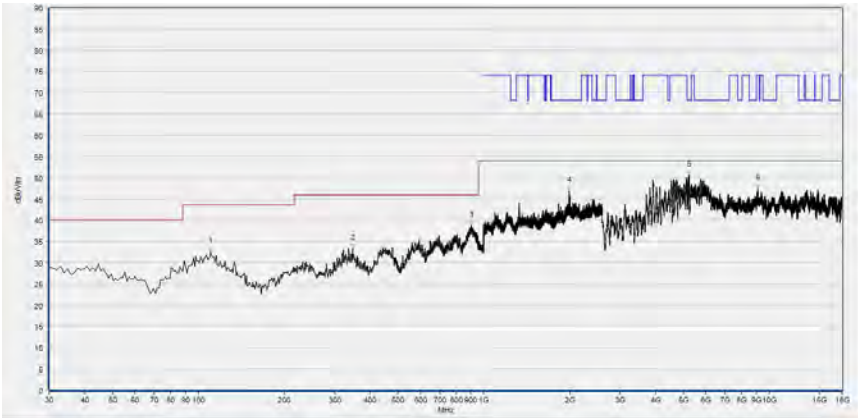
(Antenna Horizontal, 30MHz to 18GHz)



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
110.510	32.77	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
338.460	32.39	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
904.940	39.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1990.400	47.80	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4740.600	50.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5735.440	50.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

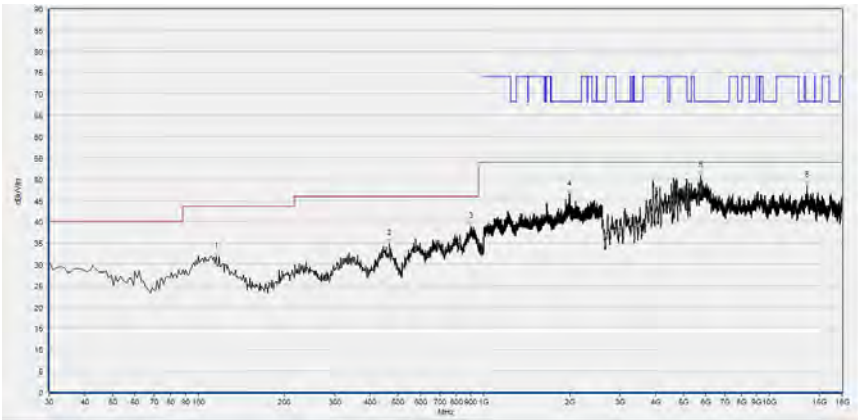
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 144



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	32.54	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
347.190	33.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.030	38.67	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1995.200	46.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5233.400	50.61	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9126.520	47.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

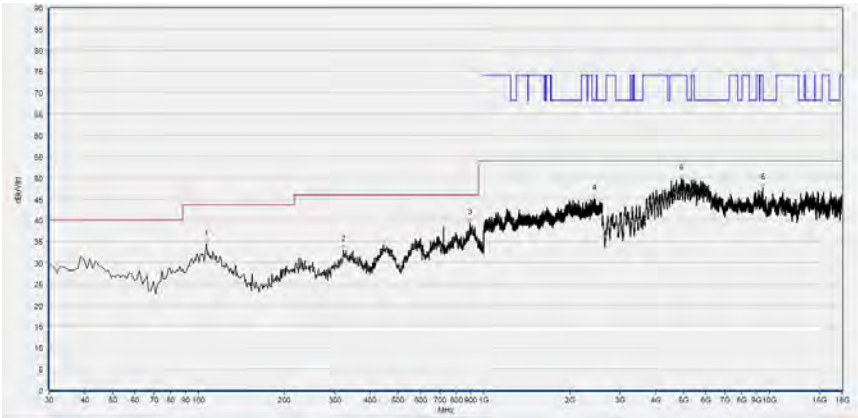
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
115.360	31.81	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
466.500	34.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
901.060	38.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1994.667	46.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5738.520	50.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13564.800	48.46	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

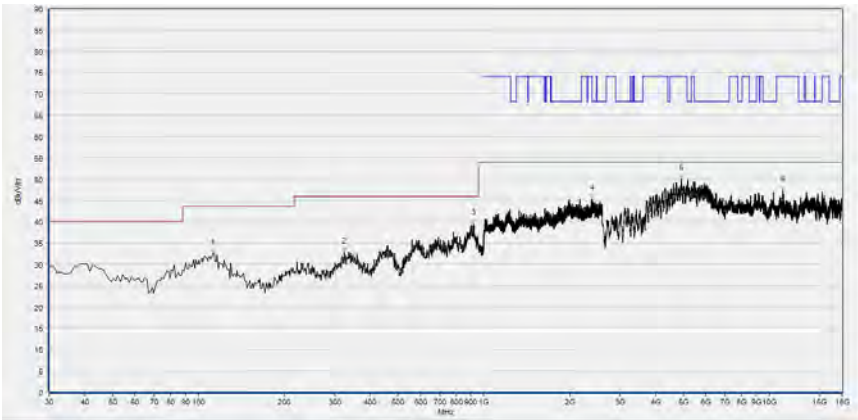
(Antenna Vertical, 30MHz to 18GHz)

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
106.630	34.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
321.970	32.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
893.300	39.41	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2442.133	45.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4913.080	49.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9474.560	47.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

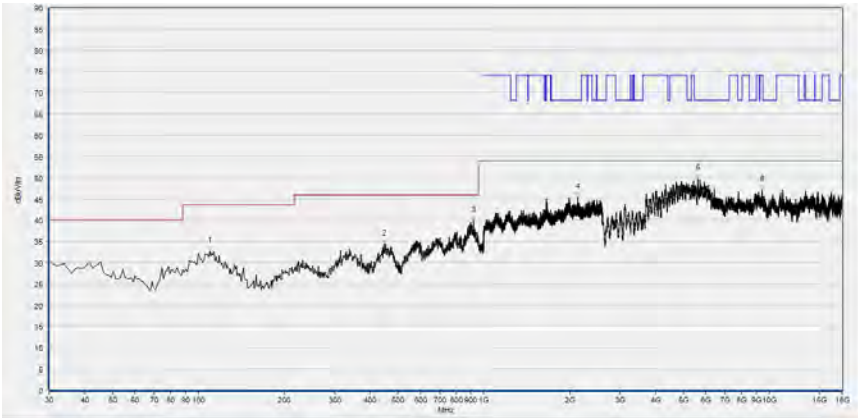
(Antenna Horizontal, 30MHz to 18GHz)



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	32.46	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
324.880	32.82	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
921.430	39.58	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2395.200	45.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4931.560	50.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11165.480	47.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

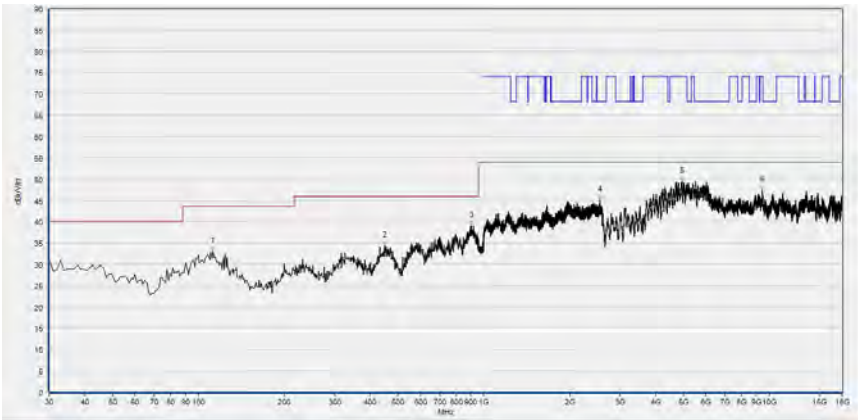
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	32.73	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
447.100	34.35	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
920.460	39.88	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2129.600	45.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5618.400	49.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9453.000	47.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

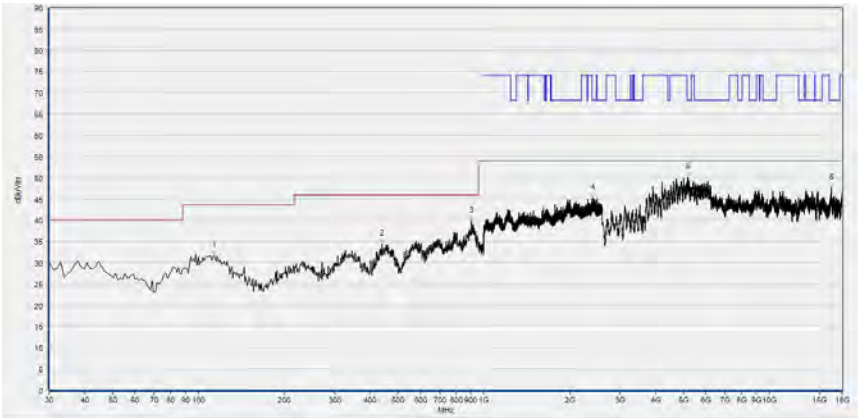
(Antenna Horizontal, 30MHz to 18GHz)



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	32.99	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
449.040	34.43	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
902.030	39.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2553.600	45.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4937.720	49.44	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9465.320	47.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

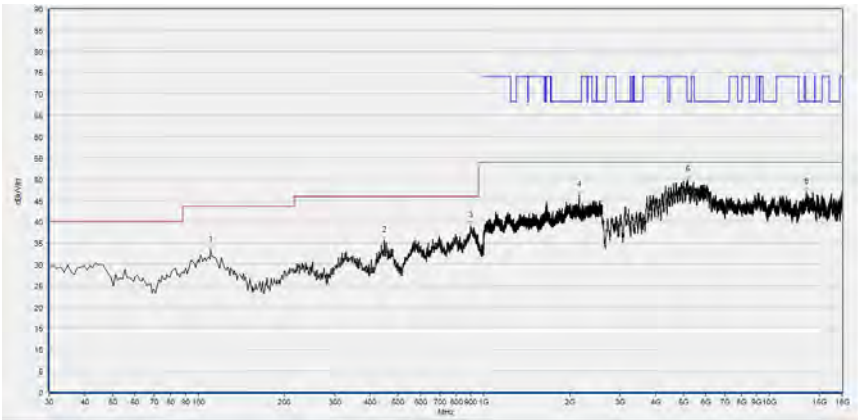
(Antenna Vertical, 30MHz to 18GHz)

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
113.420	31.65	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
440.310	34.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
903.000	39.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2404.267	45.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5171.800	50.14	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
16466.160	47.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

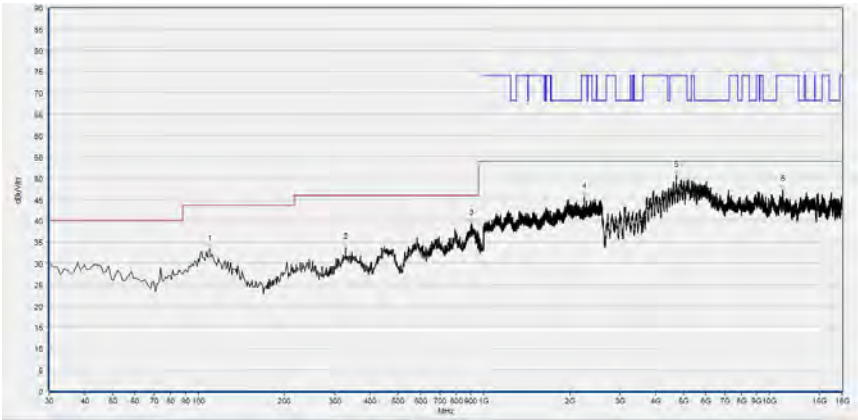


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	33.33	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
448.070	35.52	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.120	38.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2163.200	46.24	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5174.880	49.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13469.320	47.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

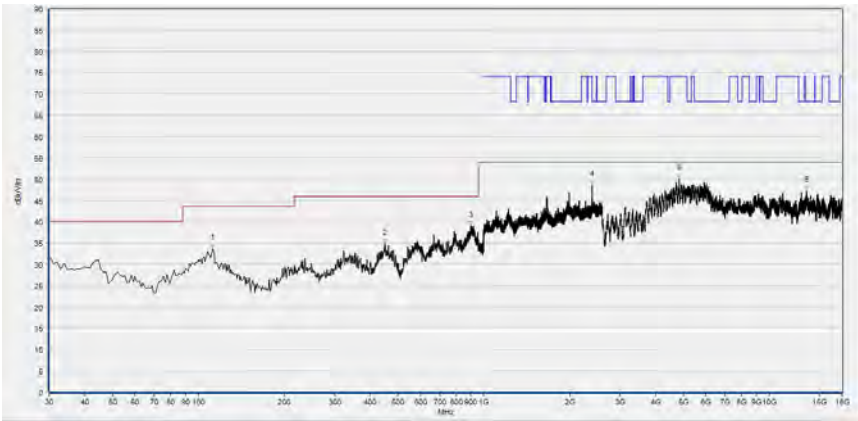
802.11n (HT40) mode

Plot for Channel 38



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	33.39	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
327.790	33.63	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
903.000	39.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2248.000	45.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4728.280	50.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11159.320	47.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

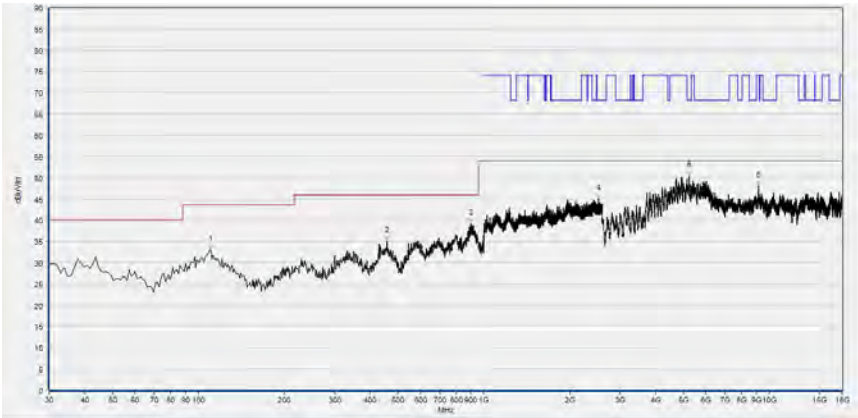
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.450	33.74	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
449.040	34.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
900.090	39.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2391.467	48.64	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4836.080	50.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13481.640	47.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

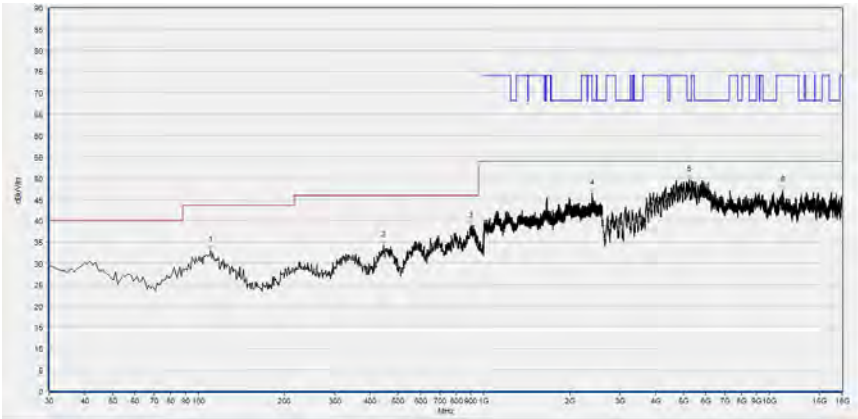
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 46



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	32.95	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
456.800	35.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
901.060	39.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2528.000	45.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5239.560	50.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9160.400	48.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

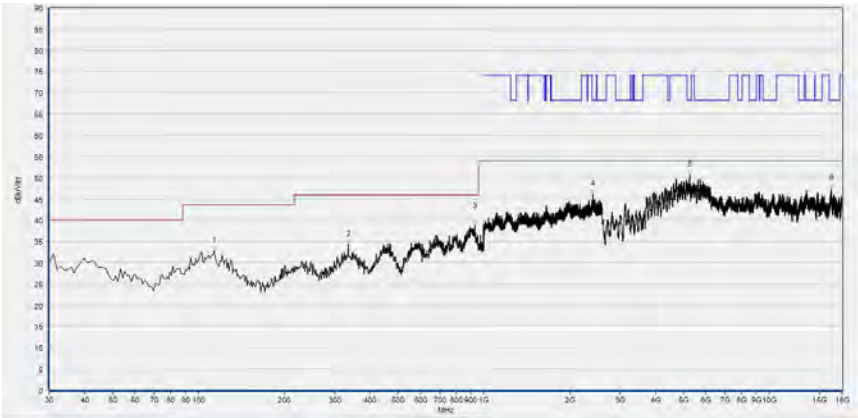
(Antenna Horizontal, 30MHz to 18GHz)



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
110.510	33.08	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
446.130	34.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
898.150	38.80	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2391.467	46.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5239.560	49.58	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11171.640	47.08	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

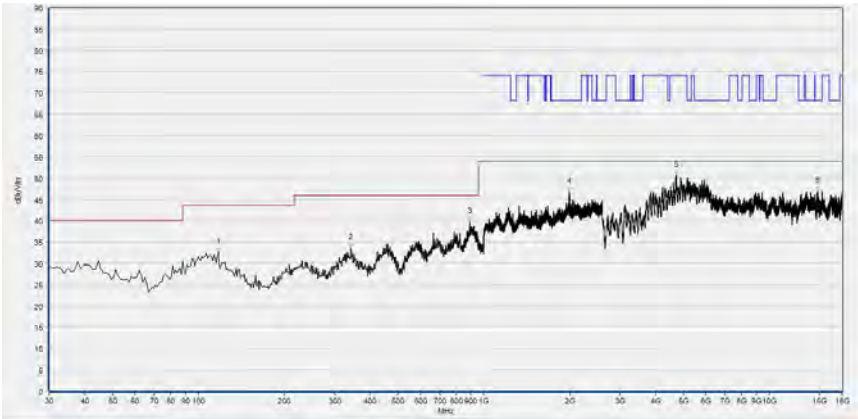
(Antenna Vertical, 30MHz to 18GHz)

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
113.420	32.75	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
335.550	34.21	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
931.130	38.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2415.467	46.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5261.120	50.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
16472.320	47.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

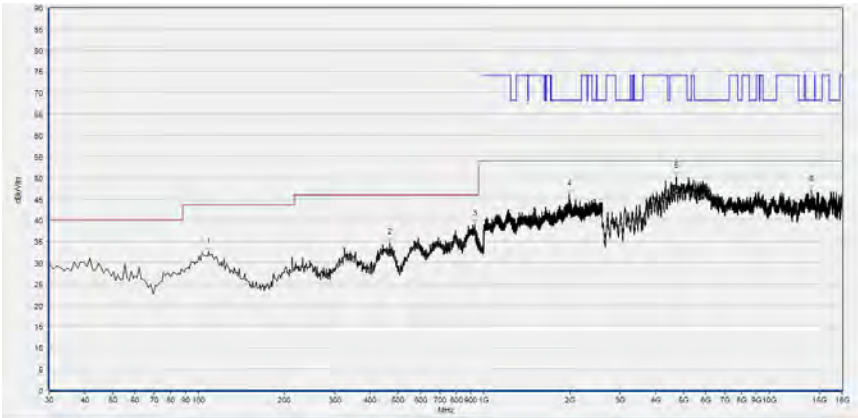
(Antenna Horizontal, 30MHz to 18GHz)



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
117.300	32.43	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
342.340	33.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
891.360	39.78	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1996.800	46.78	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4731.360	50.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14821.440	46.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

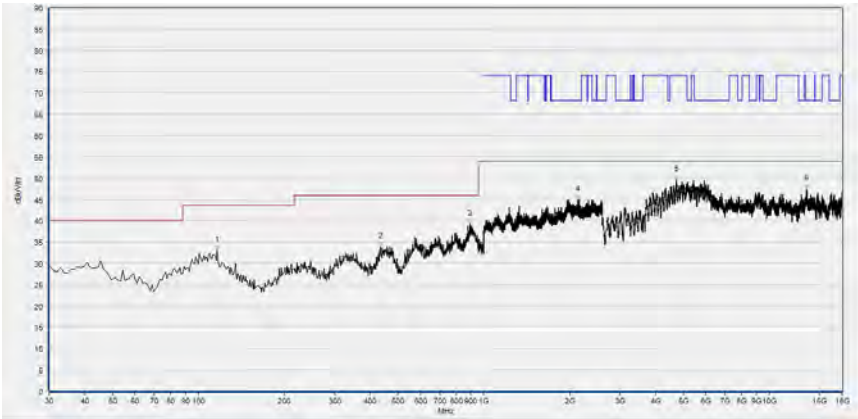
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	32.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
467.470	34.64	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
928.220	38.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1993.067	46.11	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4725.200	50.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14082.240	47.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

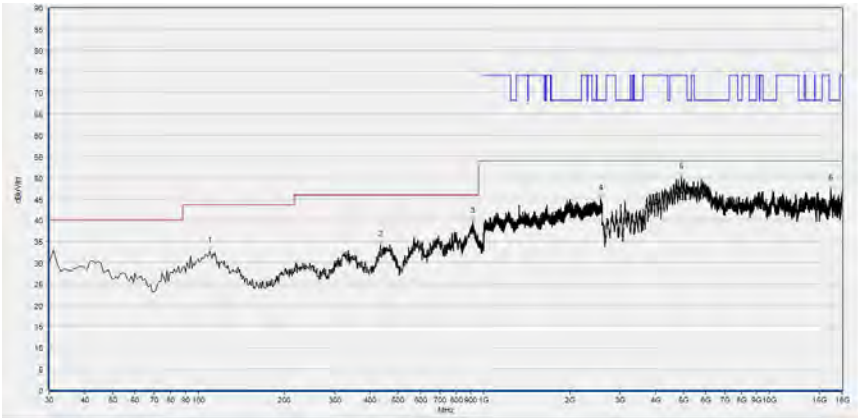
(Antenna Horizontal, 30MHz to 18GHz)



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
116.330	32.94	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
434.490	33.78	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
895.240	39.29	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2128.533	44.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4734.440	49.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13487.800	47.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

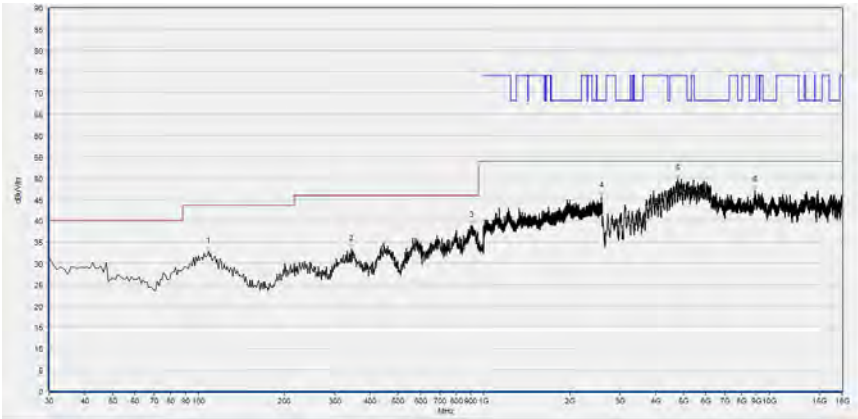
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.66	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
434.490	34.21	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
912.700	39.64	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2566.400	45.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4913.080	50.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16460.000	47.38	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

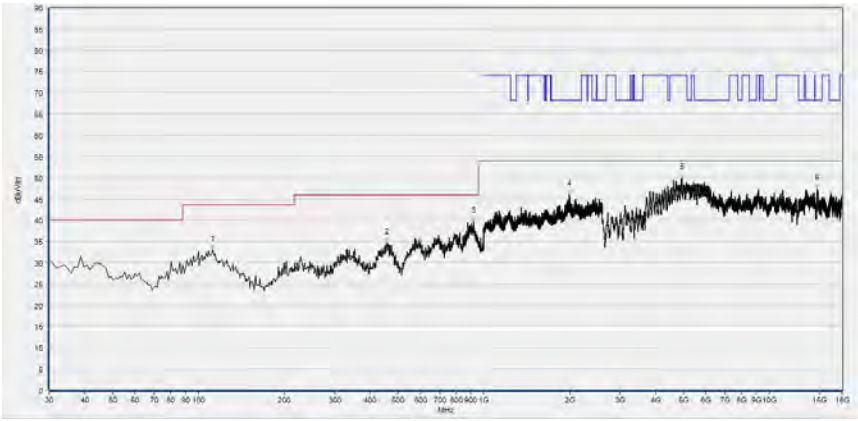
(Antenna Horizontal, 30MHz to 18GHz)



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
108.570	32.64	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
344.280	33.42	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
902.030	38.95	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2578.667	45.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4789.880	49.77	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8910.920	47.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

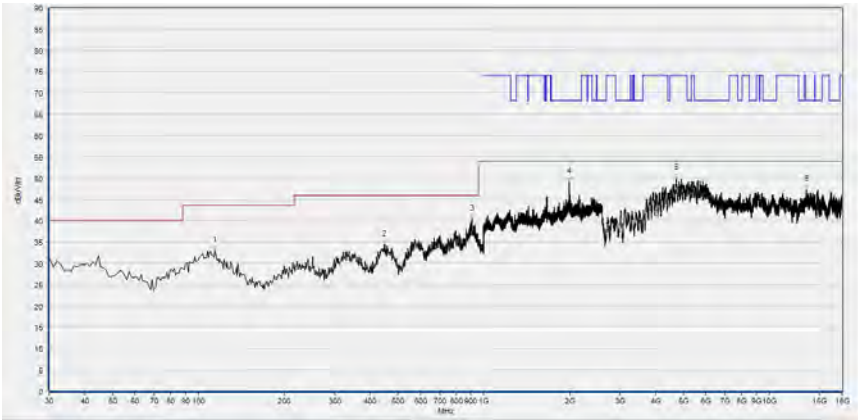
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 126



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.450	33.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
457.770	34.61	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
919.490	39.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1991.467	46.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4937.720	50.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14747.520	47.44	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

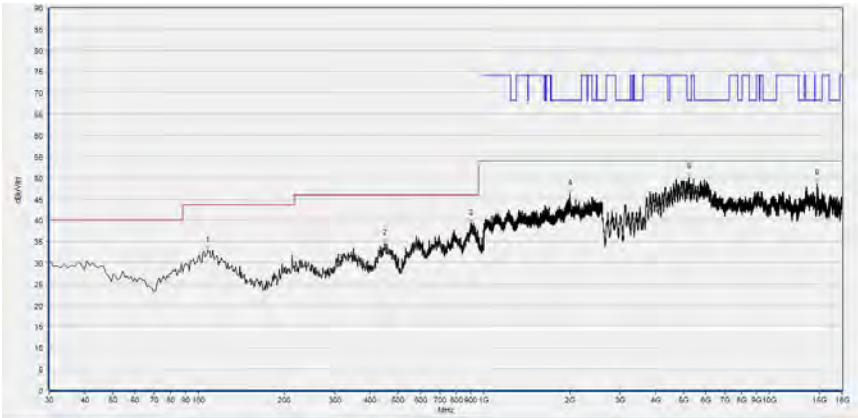
(Antenna Horizontal, 30MHz to 18GHz)



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
114.390	33.09	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
448.070	34.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
907.850	40.40	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1994.133	49.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4719.040	49.97	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13487.800	47.32	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

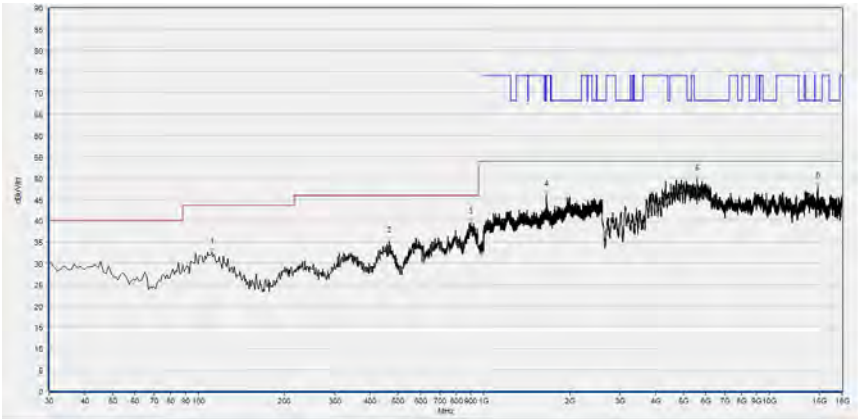
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 142



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	32.77	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
450.980	34.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
900.090	39.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1997.867	46.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5248.800	50.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14744.440	48.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

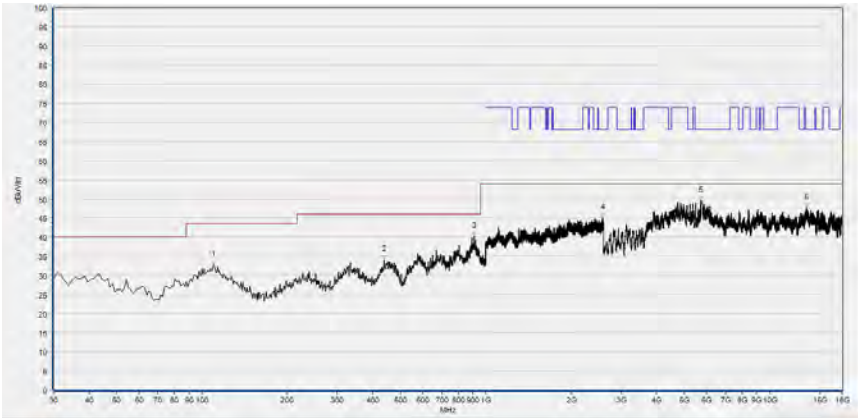
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
111.480	32.53	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
466.500	35.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
900.090	39.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1660.267	46.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5603.000	49.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14799.880	48.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

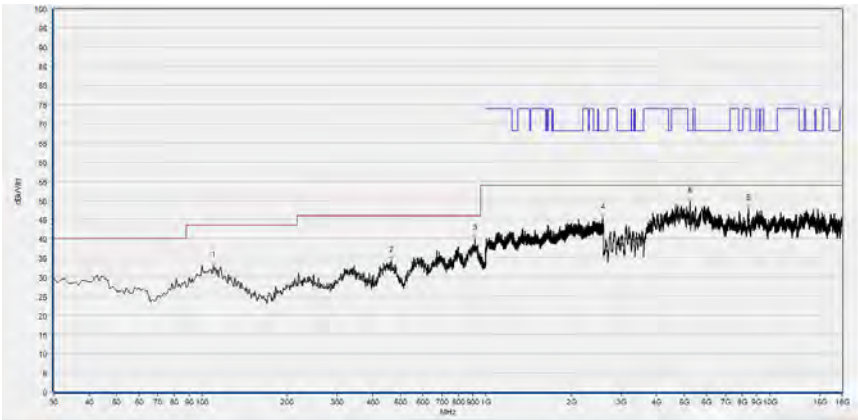
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.70	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
438.370	34.02	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
910.760	40.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2583.467	45.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5729.280	49.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13435.440	47.65	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

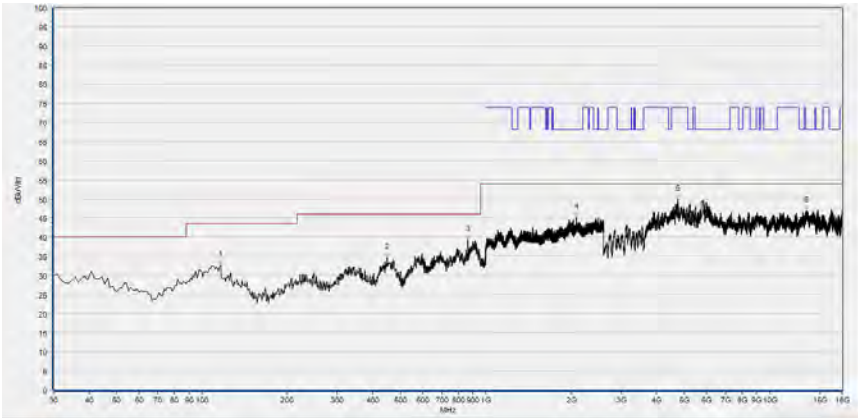
(Antenna Horizontal, 30MHz to 18GHz)



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	32.93	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
465.530	34.29	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
917.550	40.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2581.867	45.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5236.480	49.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8427.360	47.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

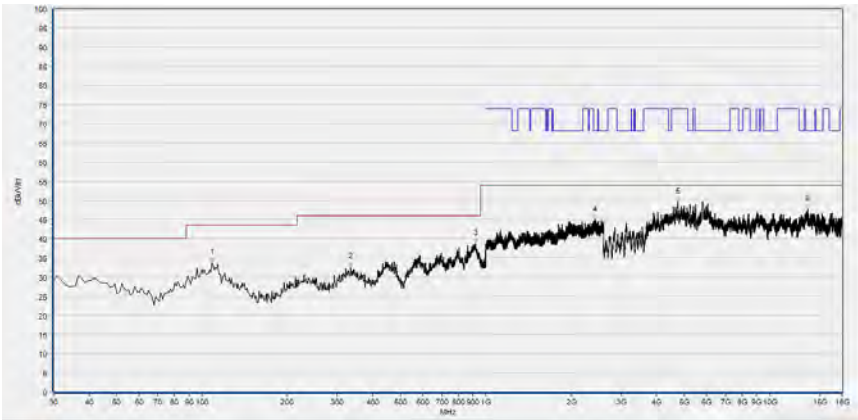
(Antenna Vertical, 30MHz to 18GHz)

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
116.330	32.68	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
450.010	34.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
866.140	39.20	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2080.533	45.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4743.680	49.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13466.240	46.94	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

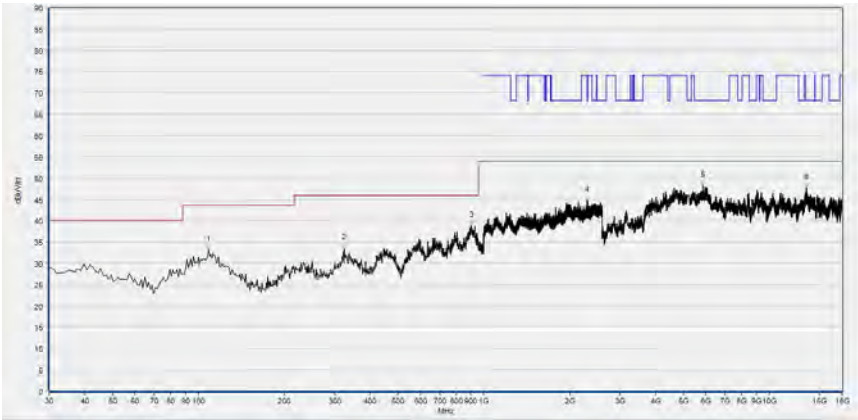


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	33.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
334.580	32.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
921.430	38.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2428.267	44.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4740.600	49.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13592.520	47.76	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

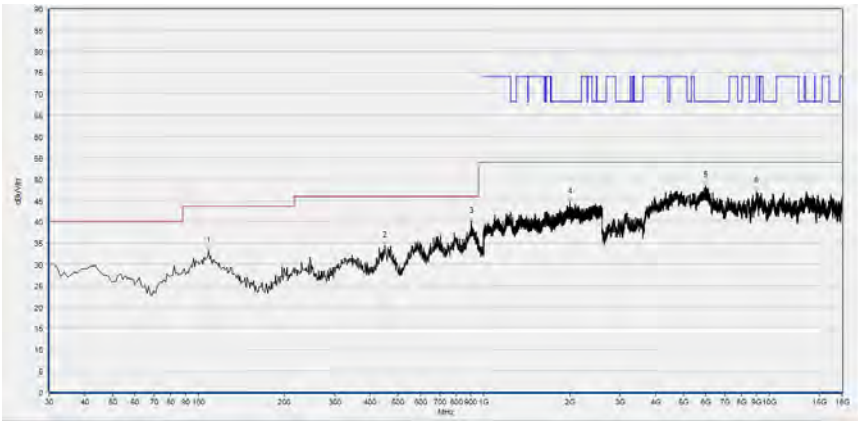
802.11ac (VHT80) Mode

Plot for Channel 42



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	33.13	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
324.880	33.48	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
904.940	38.88	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2298.133	44.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5855.560	48.27	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13506.280	47.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

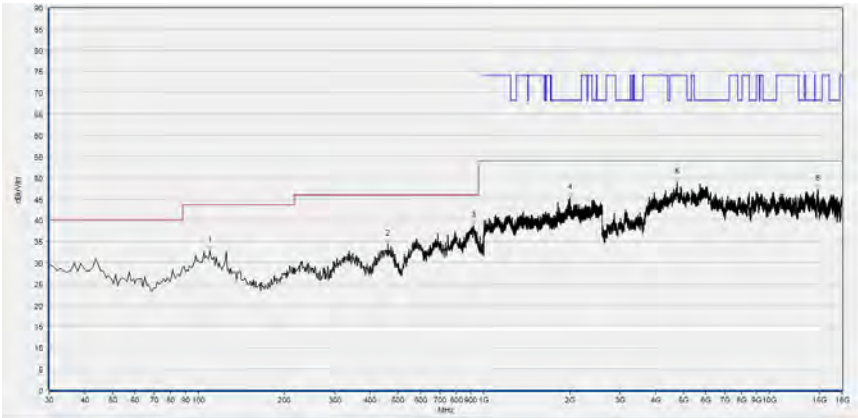
(Antenna Horizontal, 30MHz to 18GHz)



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
108.570	33.11	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
450.010	34.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
904.940	40.13	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2008.000	44.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5981.840	48.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9040.280	47.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

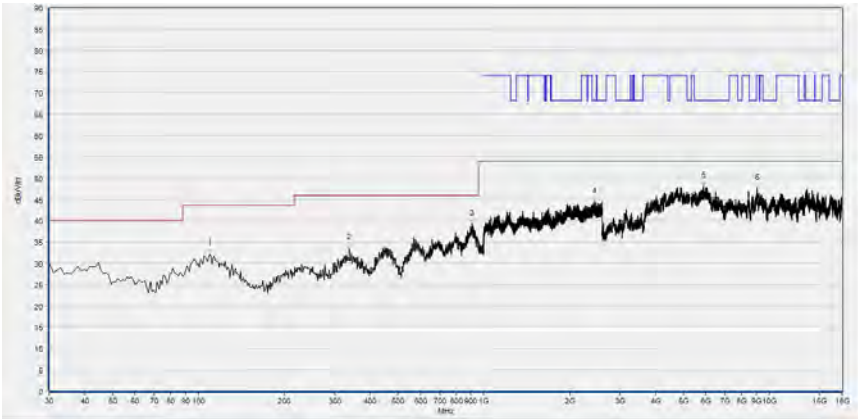
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.91	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
460.680	34.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
920.460	38.71	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1997.867	45.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4746.760	48.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14778.320	47.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

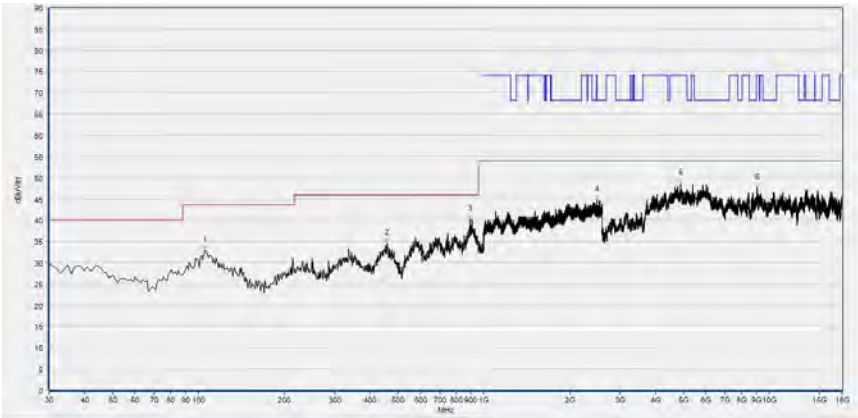
(Antenna Horizontal, 30MHz to 18GHz)



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	32.11	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
338.460	33.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
908.820	39.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2441.067	44.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5870.960	48.15	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9077.240	47.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

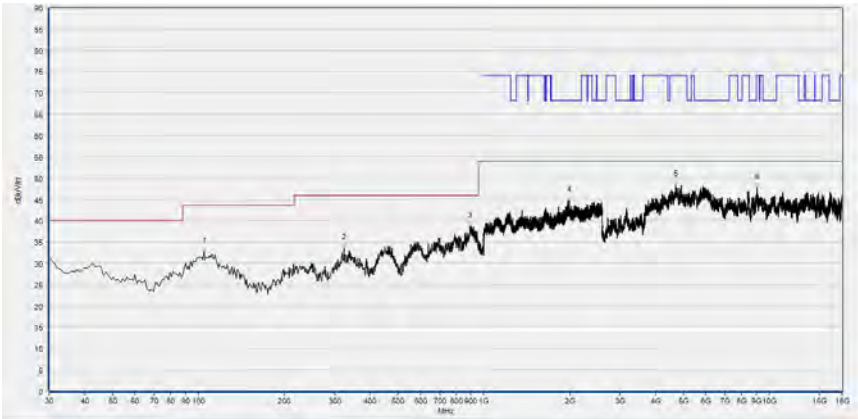
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	32.78	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
458.740	34.50	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
892.330	40.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2497.600	44.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4903.840	48.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9052.600	47.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

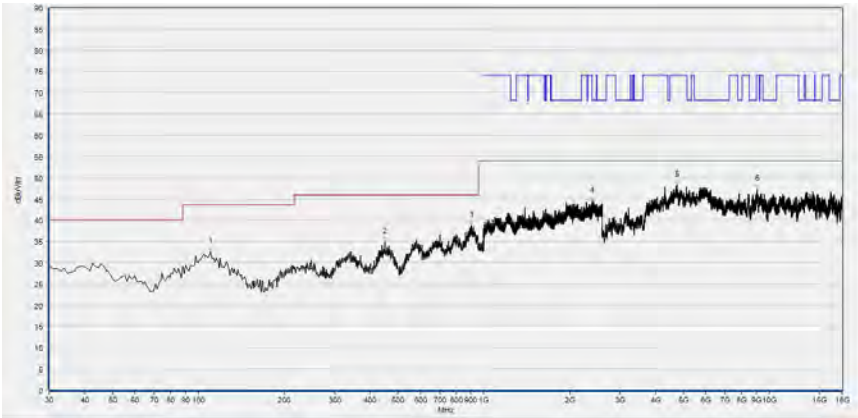
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	32.68	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
323.910	33.50	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
895.240	38.79	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1990.933	44.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4703.640	48.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9055.680	47.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

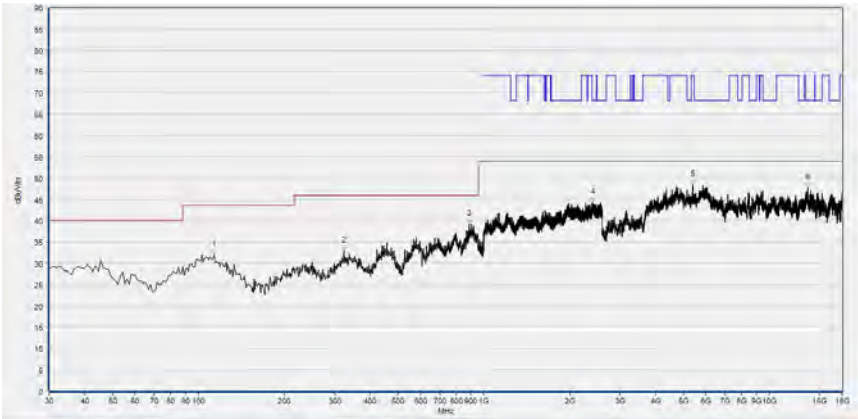
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	32.56	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
450.010	34.84	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.030	38.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2401.067	44.39	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4743.680	48.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9086.480	47.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

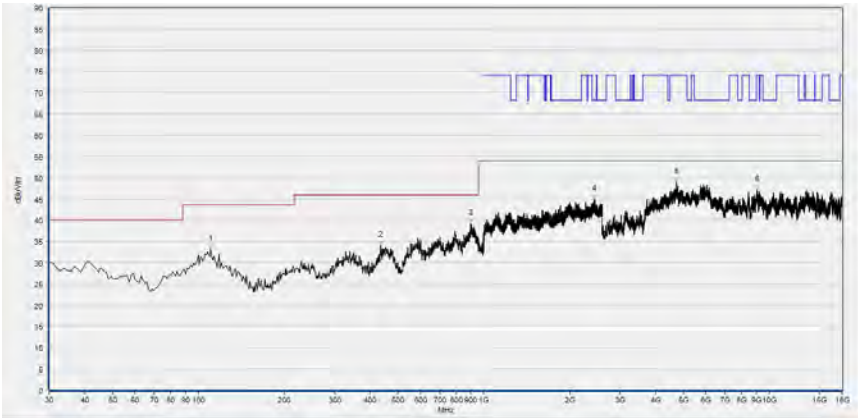
(Antenna Horizontal, 30MHz to 18GHz)



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
113.420	32.05	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
323.910	32.79	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
889.420	39.24	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2409.600	44.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5387.400	48.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13620.240	47.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

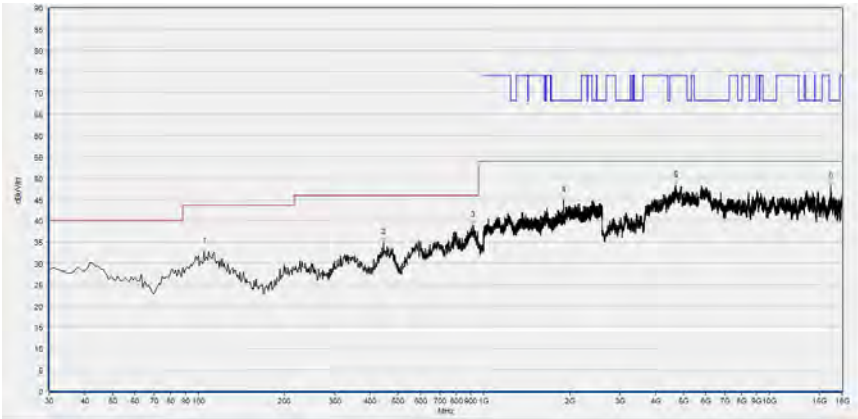
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	33.19	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
434.490	34.03	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
900.090	39.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2442.667	45.00	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4728.280	48.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9071.080	47.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

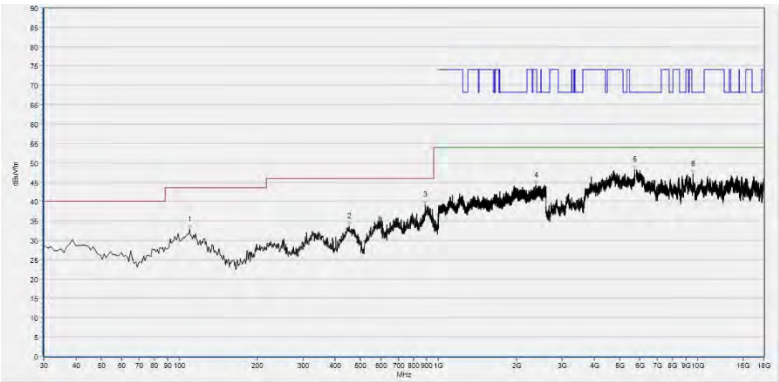
(Antenna Horizontal, 30MHz to 18GHz)



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
104.690	32.61	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
446.130	34.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
916.580	38.86	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1899.733	44.70	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4691.320	48.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16447.680	48.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

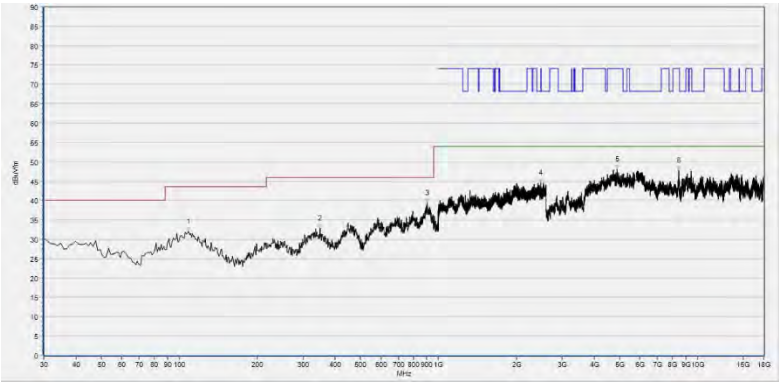
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.87	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
452.920	33.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
890.390	39.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2381.333	44.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5726.200	48.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9591.600	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
108.570	32.06	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
349.130	32.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
906.880	39.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2480.000	44.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4882.280	48.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8461.240	47.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT