



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

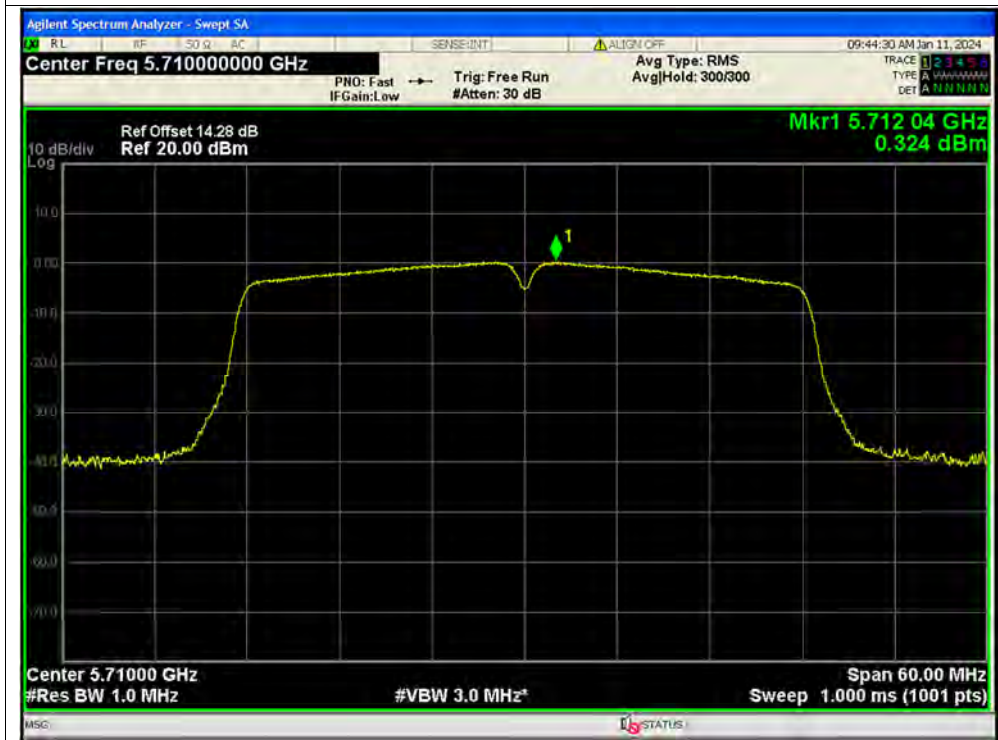


PSD NVNT n40 5630MHz Ant1





PSD NVNT n40 5710MHz Ant1



PSD NVNT n40 5755MHz Ant1





PSD NVNT n40 5795MHz Ant1



PSD NVNT ac20 5180MHz Ant1



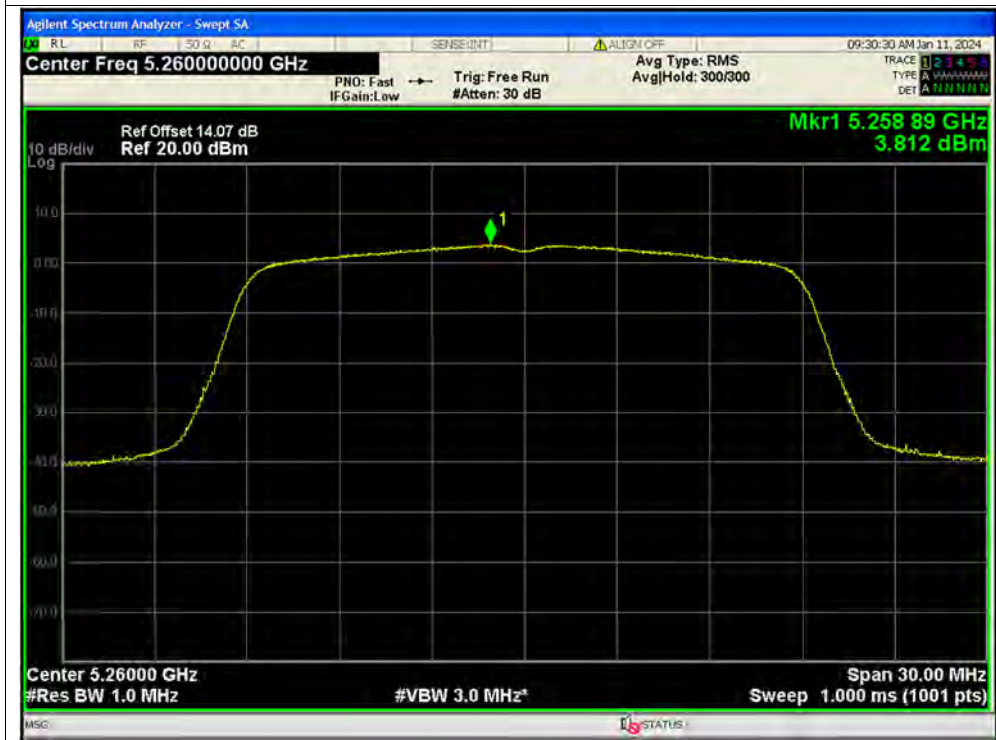
PSD NVNT ac20 5220MHz Ant1



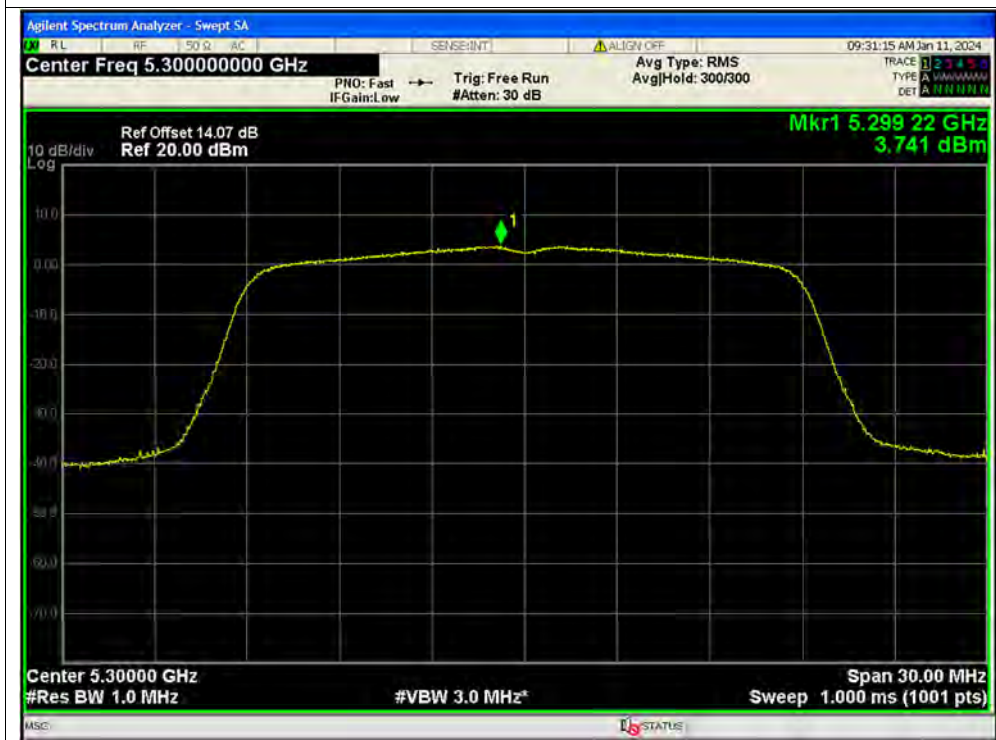
PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac20 5260MHz Ant1



PSD NVNT ac20 5300MHz Ant1





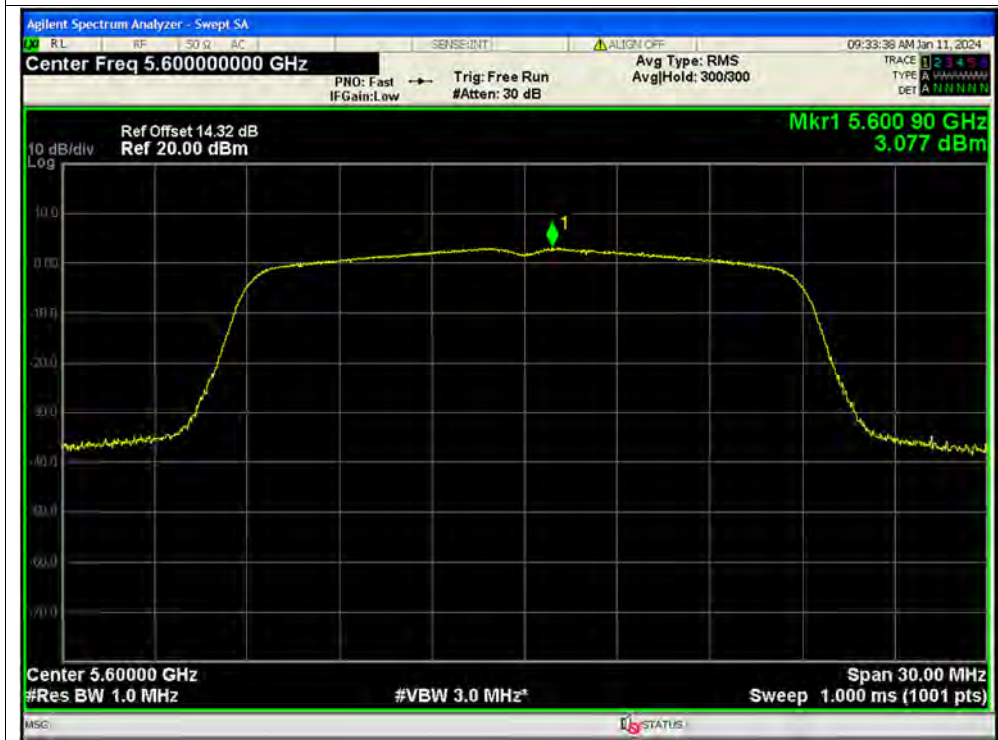
PSD NVNT ac20 5320MHz Ant1



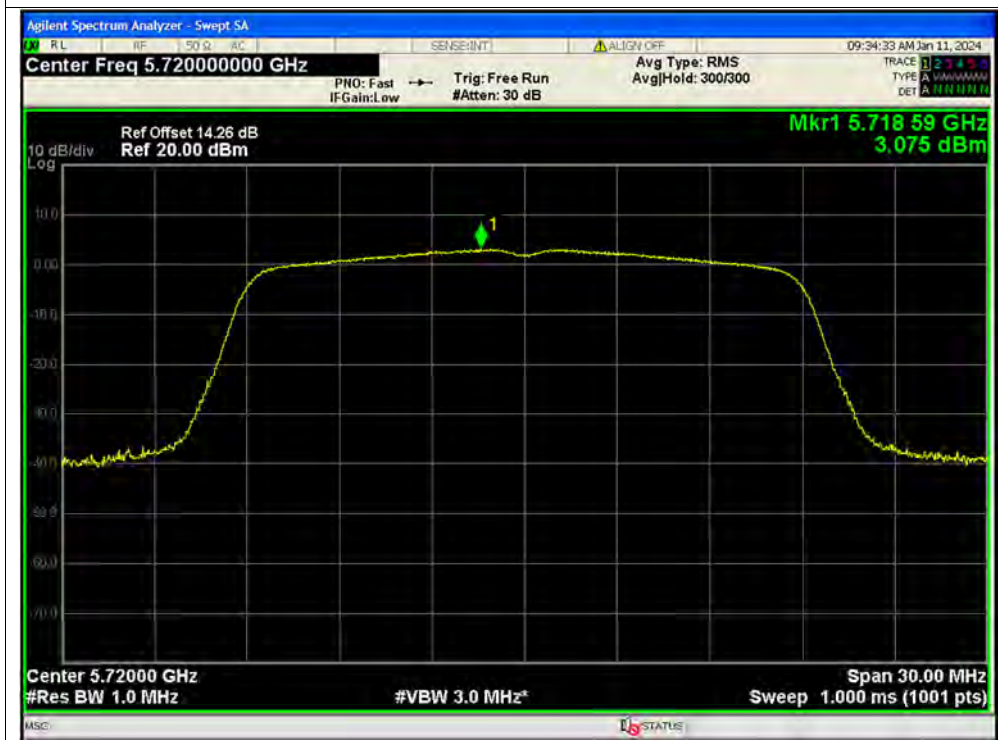
PSD NVNT ac20 5500MHz Ant1



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

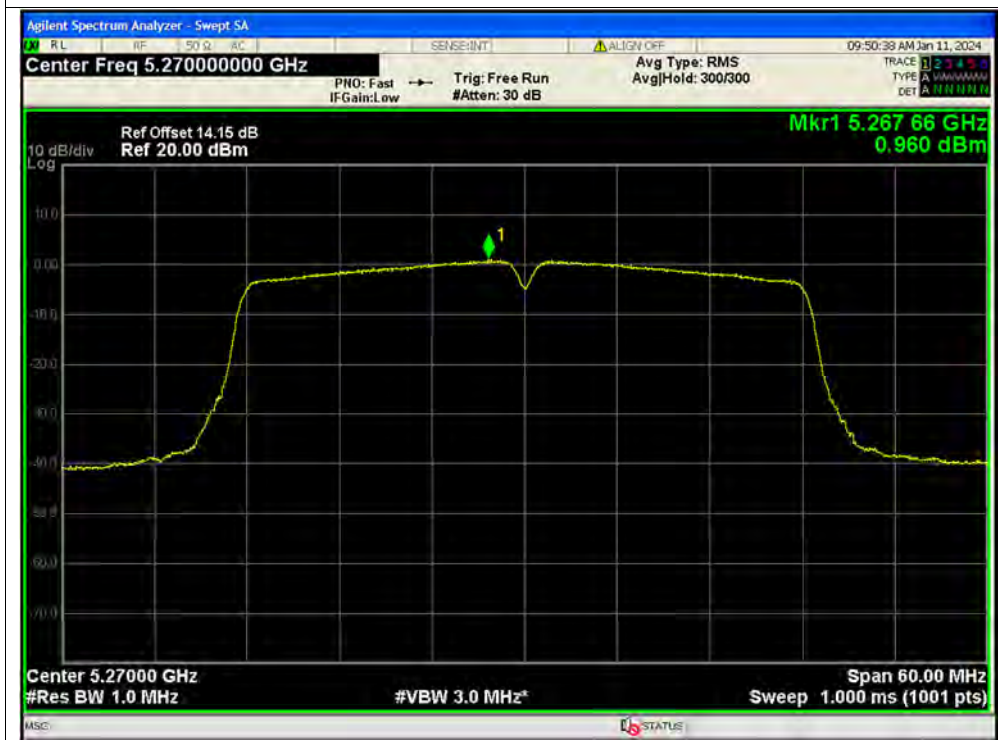




PSD NVNT ac40 5230MHz Ant1



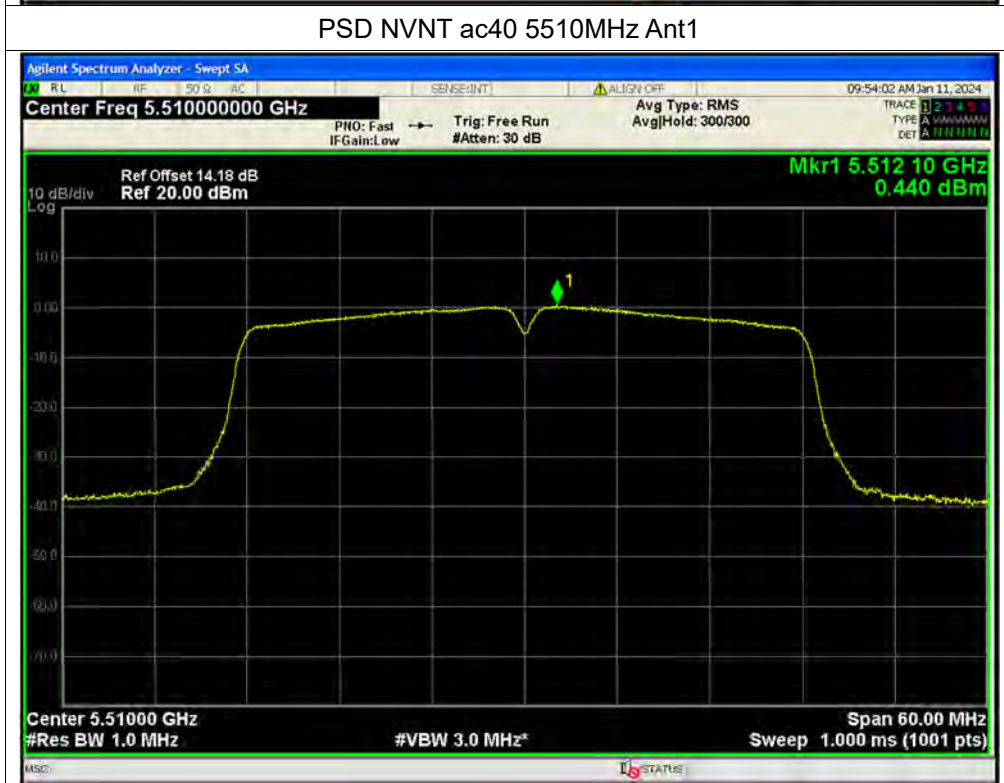
PSD NVNT ac40 5270MHz Ant1



PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac40 5510MHz Ant1

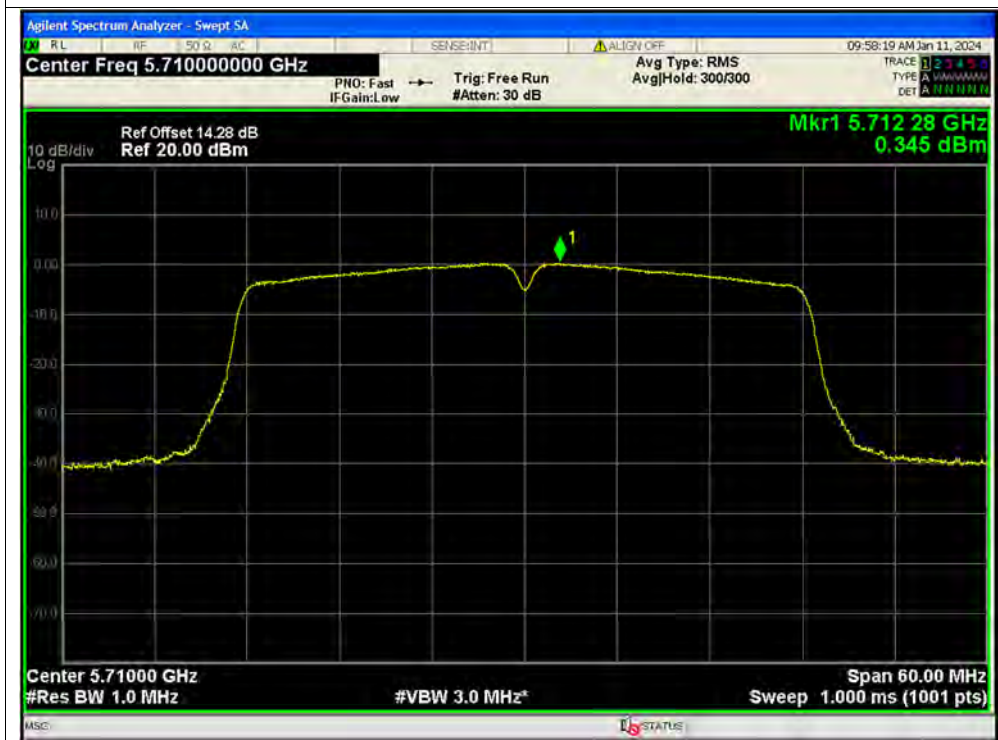




PSD NVNT ac40 5630MHz Ant1



PSD NVNT ac40 5710MHz Ant1



PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1





PSD NVNT ac80 5210MHz Ant1

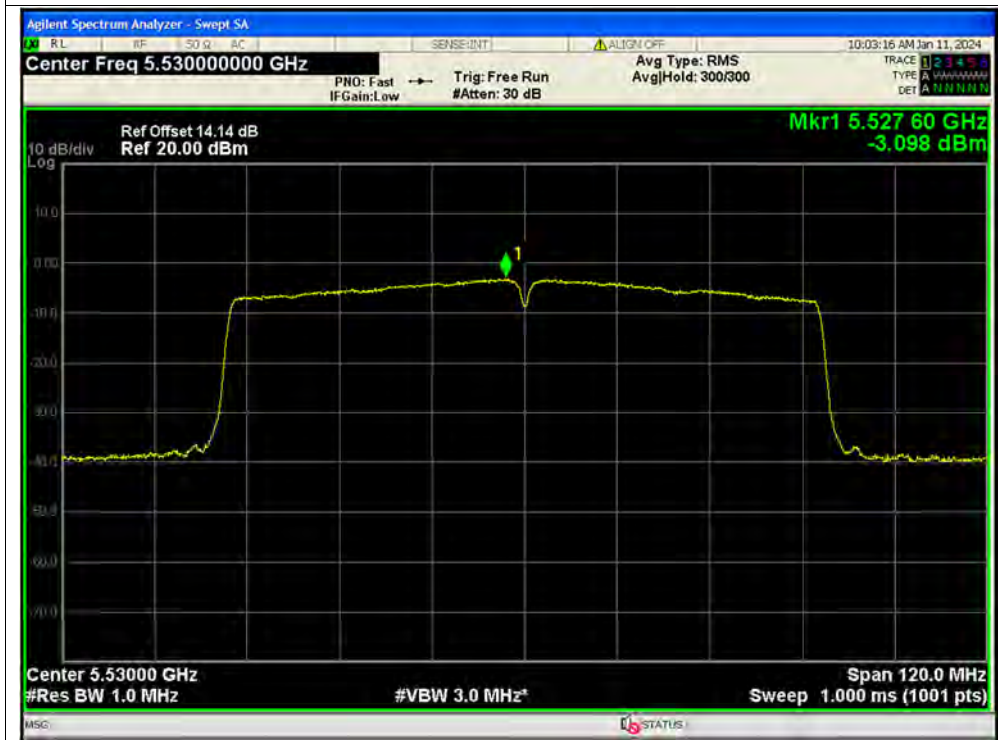


PSD NVNT ac80 5290MHz Ant1





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 3.5V	a	5180	Ant1	5180.002	2000	0.39	25	Pass
20C 3.8V	a	5180	Ant1	5180.002	2000	0.39	25	Pass
20C 4.35V	a	5180	Ant1	5180.002	2000	0.39	25	Pass
-10C 3.8V	a	5180	Ant1	5180.002	2000	0.39	25	Pass
0C 3.8V	a	5180	Ant1	5180.002	2000	0.39	25	Pass
10C 3.8V	a	5180	Ant1	5180.002	2000	0.39	25	Pass
30C 3.8V	a	5180	Ant1	5180.002	2000	0.39	25	Pass
40C 3.8V	a	5180	Ant1	5180.002	2000	0.39	25	Pass
55C 3.8V	a	5180	Ant1	5180.002	2000	0.39	25	Pass
20C 3.5V	a	5260	Ant1	5260.002	2000	0.38	25	Pass
20C 3.8V	a	5260	Ant1	5260.002	2000	0.38	25	Pass
20C 4.35V	a	5260	Ant1	5260.002	2000	0.38	25	Pass
-10C 3.8V	a	5260	Ant1	5260.002	2000	0.38	25	Pass
0C 3.8V	a	5260	Ant1	5260.002	2000	0.38	25	Pass
10C 3.8V	a	5260	Ant1	5260.002	2000	0.38	25	Pass
30C 3.8V	a	5260	Ant1	5260.002	2000	0.38	25	Pass
40C 3.8V	a	5260	Ant1	5260.002	2000	0.38	25	Pass
55C 3.8V	a	5260	Ant1	5260.002	2000	0.38	25	Pass
20C 3.5V	a	5500	Ant1	5500.002	2000	0.36	25	Pass
20C 3.8V	a	5500	Ant1	5500.002	2000	0.36	25	Pass
20C 4.35V	a	5500	Ant1	5500.002	2000	0.36	25	Pass
-10C 3.8V	a	5500	Ant1	5500.002	2000	0.36	25	Pass
0C 3.8V	a	5500	Ant1	5500.002	2000	0.36	25	Pass
10C 3.8V	a	5500	Ant1	5500.002	2000	0.36	25	Pass
30C 3.8V	a	5500	Ant1	5500.002	2000	0.36	25	Pass
40C 3.8V	a	5500	Ant1	5500.002	2000	0.36	25	Pass
55C 3.8V	a	5500	Ant1	5500.002	2000	0.36	25	Pass
20C 3.5V	a	5745	Ant1	5745.002	2000	0.35	25	Pass
20C 3.8V	a	5745	Ant1	5745.002	2000	0.35	25	Pass
20C 4.35V	a	5745	Ant1	5745.002	2000	0.35	25	Pass
-10C 3.8V	a	5745	Ant1	5745.002	2000	0.35	25	Pass
0C 3.8V	a	5745	Ant1	5745.002	2000	0.35	25	Pass
10C 3.8V	a	5745	Ant1	5745.002	2000	0.35	25	Pass
30C 3.8V	a	5745	Ant1	5745.002	2000	0.35	25	Pass



REPORT No.: SZ23120301W07

40C 3.8V	a	5745	Ant1	5745.002	2000	0.35	25	Pass
55C 3.8V	a	5745	Ant1	5745.002	2000	0.35	25	Pass



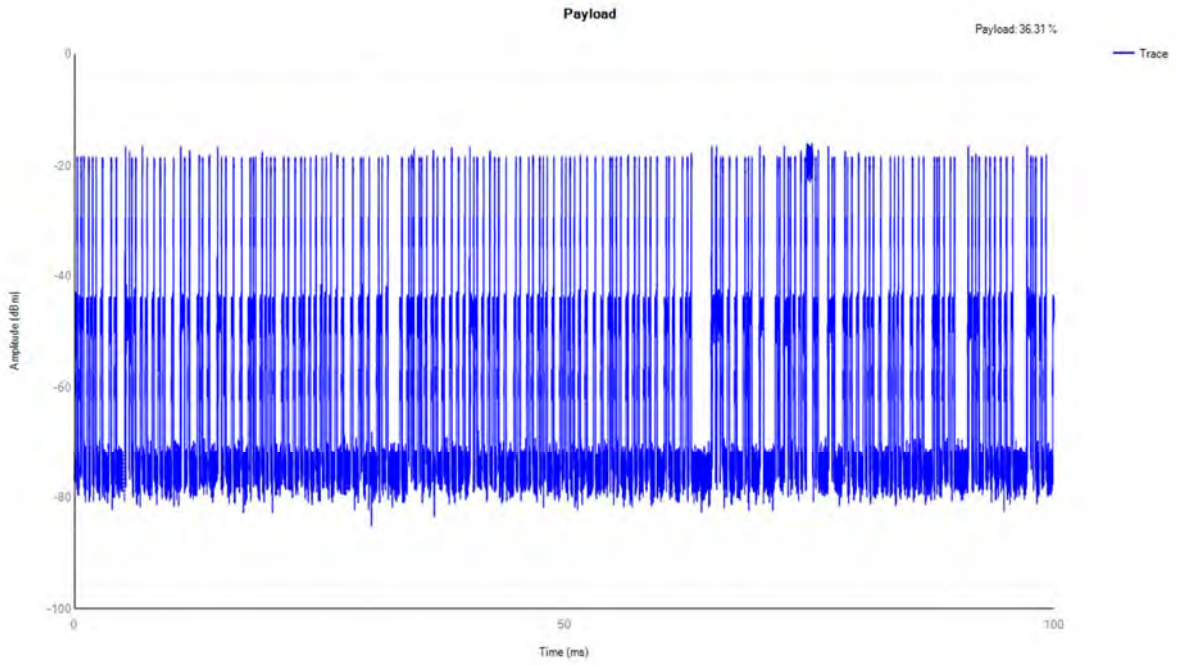
A.6. Dynamic Frequency Selection

Payload

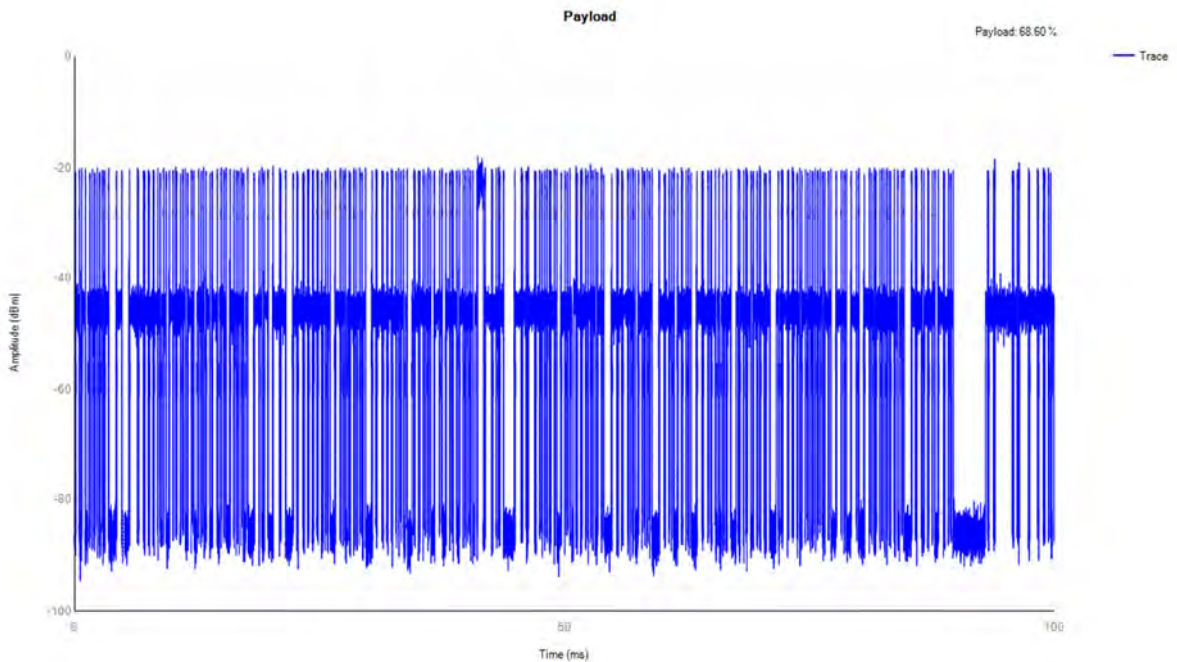
Mode	Frequency (MHz)	Result	Verdict
a	5320	36.31	Pass
a	5500	68.6	Pass
ac80	5290	75.16	Pass
ac80	5530	76.71	Pass

Test Graphs

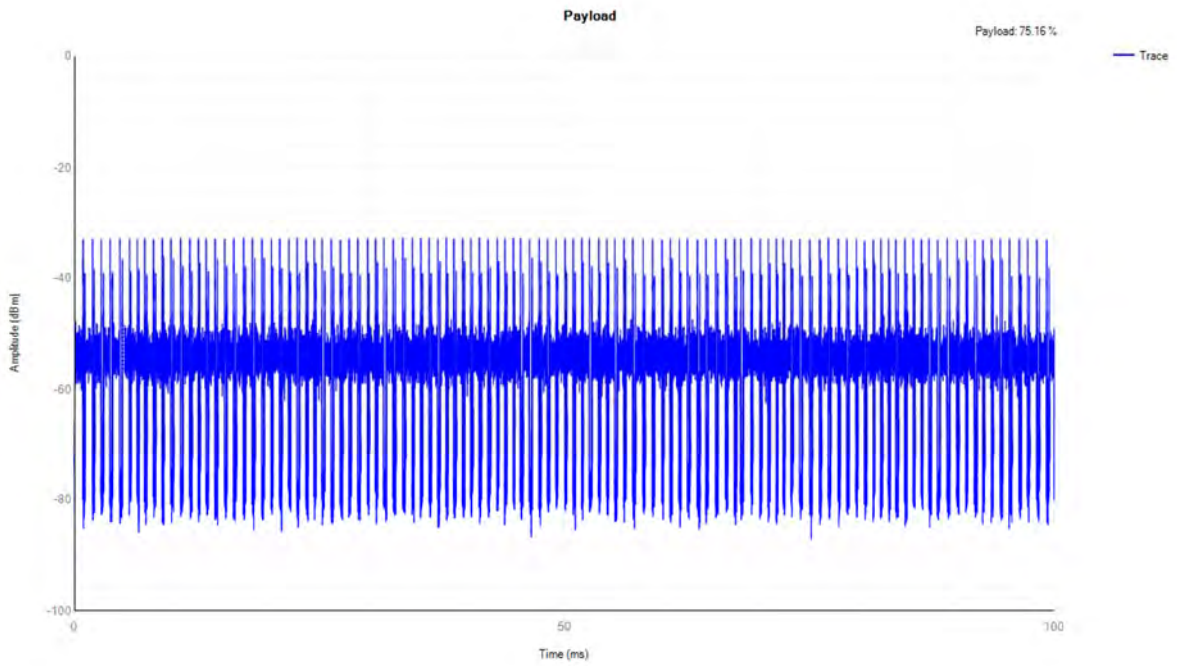
a 5320MHz Payload



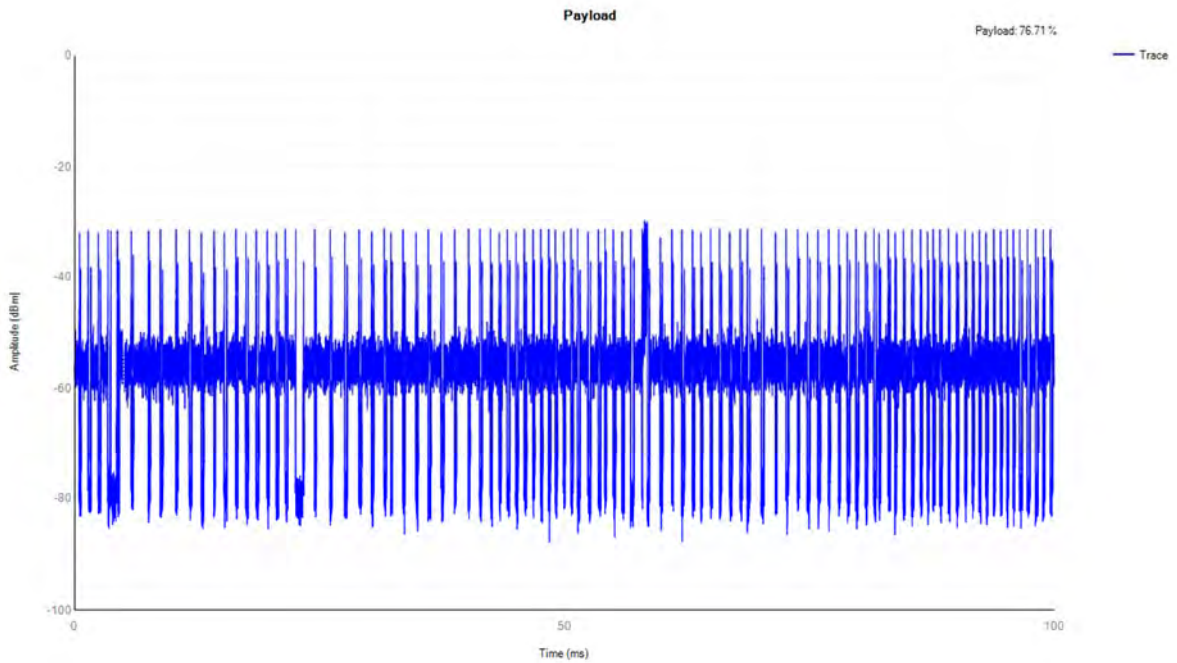
a 5500MHz Payload



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

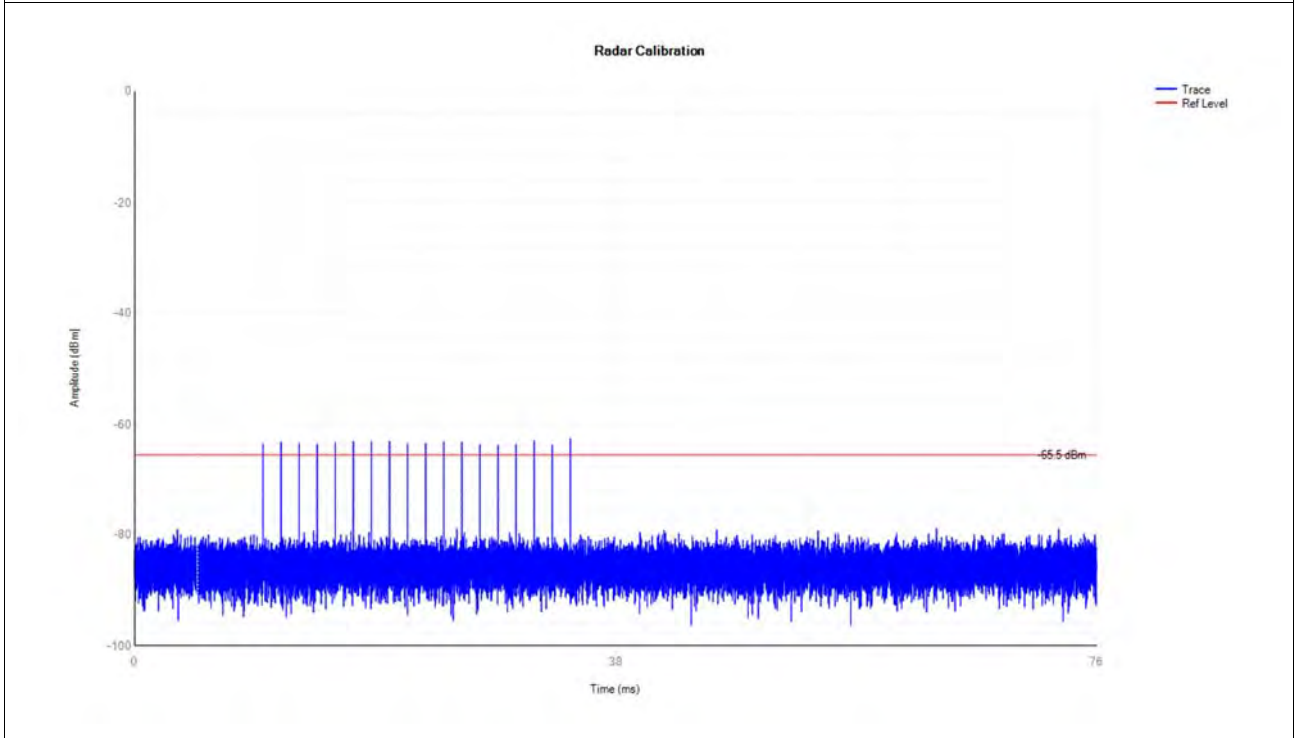
Detector Type: Peak

RBW: 3MHz

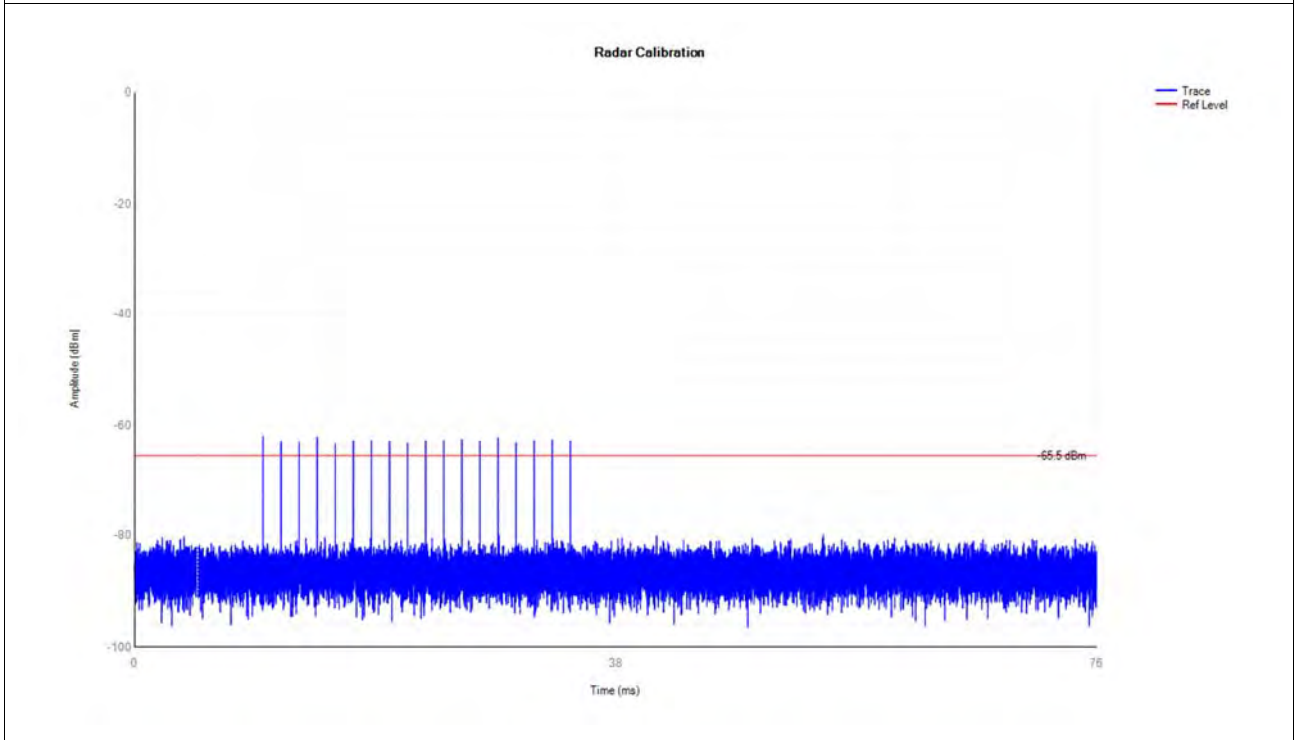
VBW: 3MHz

Test Graphs

5320MHz DFS_FCC_T0

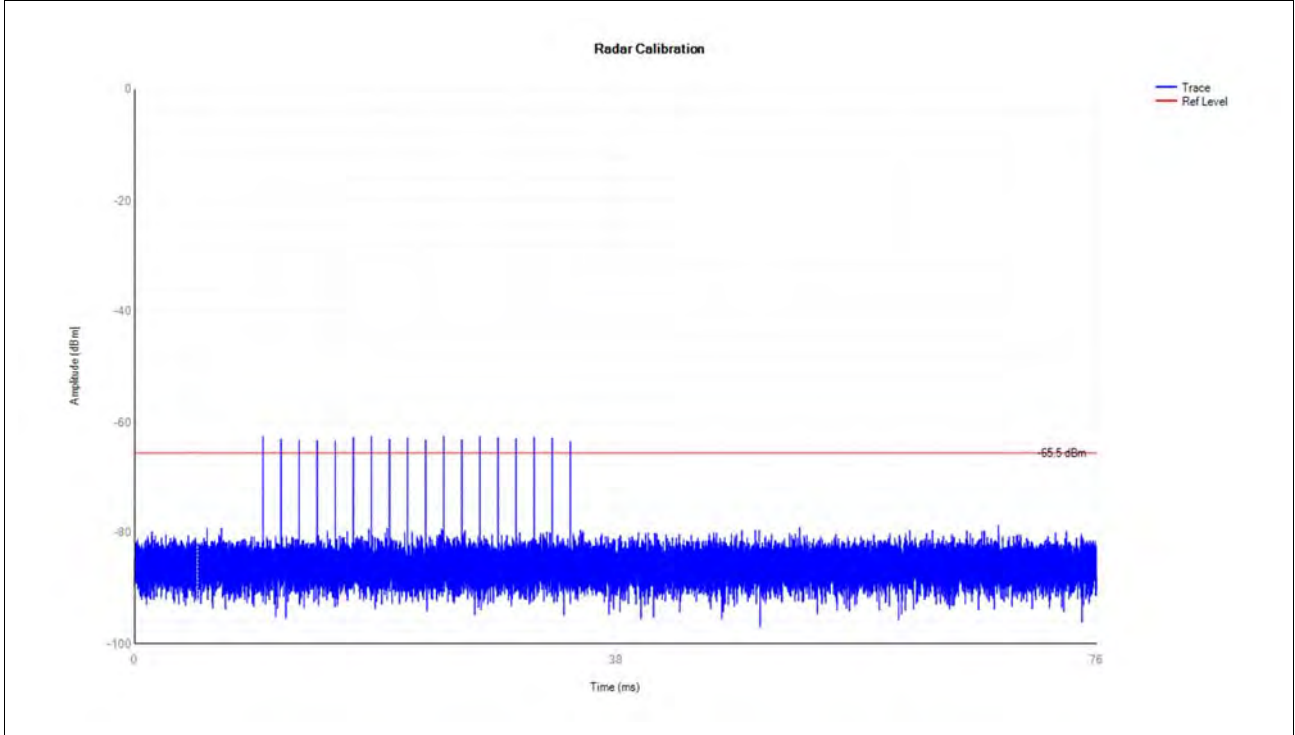


5500MHz DFS_FCC_T0

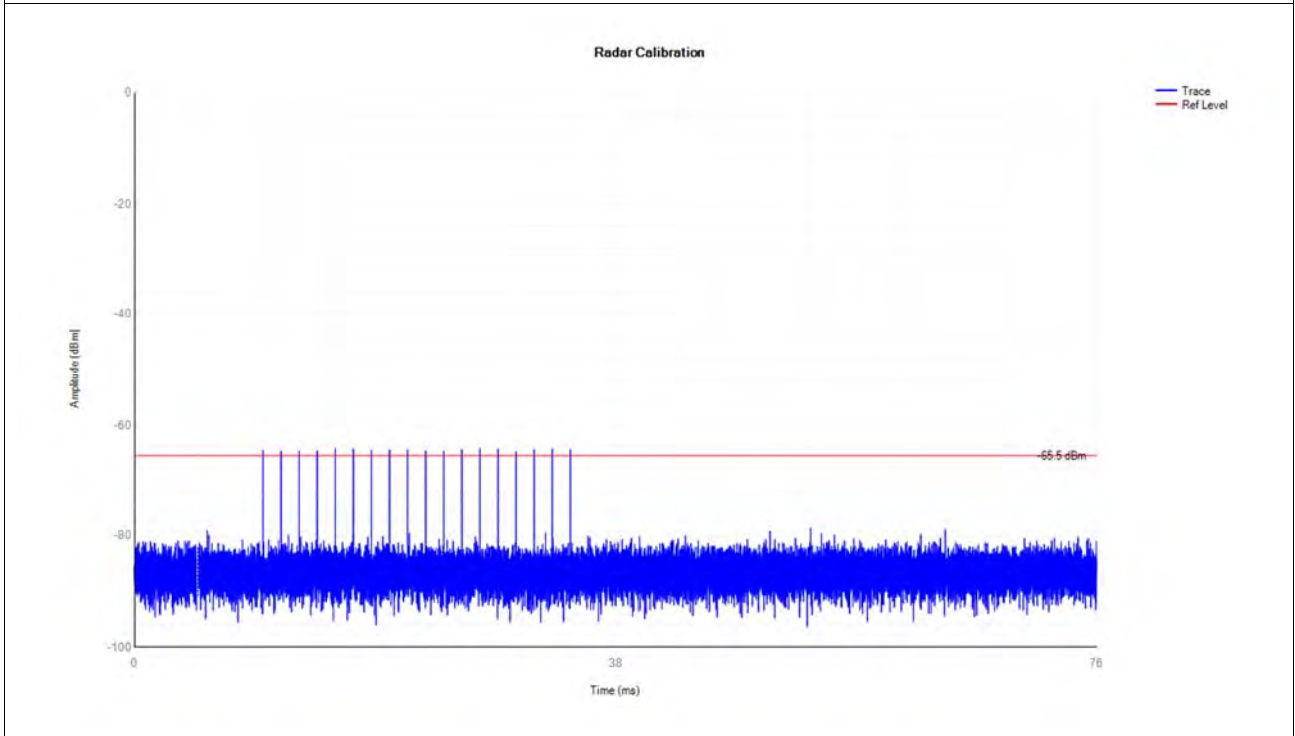




5290MHz DFS_FCC_T0



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	0.785	10	0.024	0.26	0.012	0.06	Pass
a	5500	0.842	10	0.079	0.26	0.014	0.06	Pass
ac80	5290	0.86	10	0.039	0.26	0.009	0.06	Pass
ac80	5530	0.946	10	0.096	0.26	0.01	0.06	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

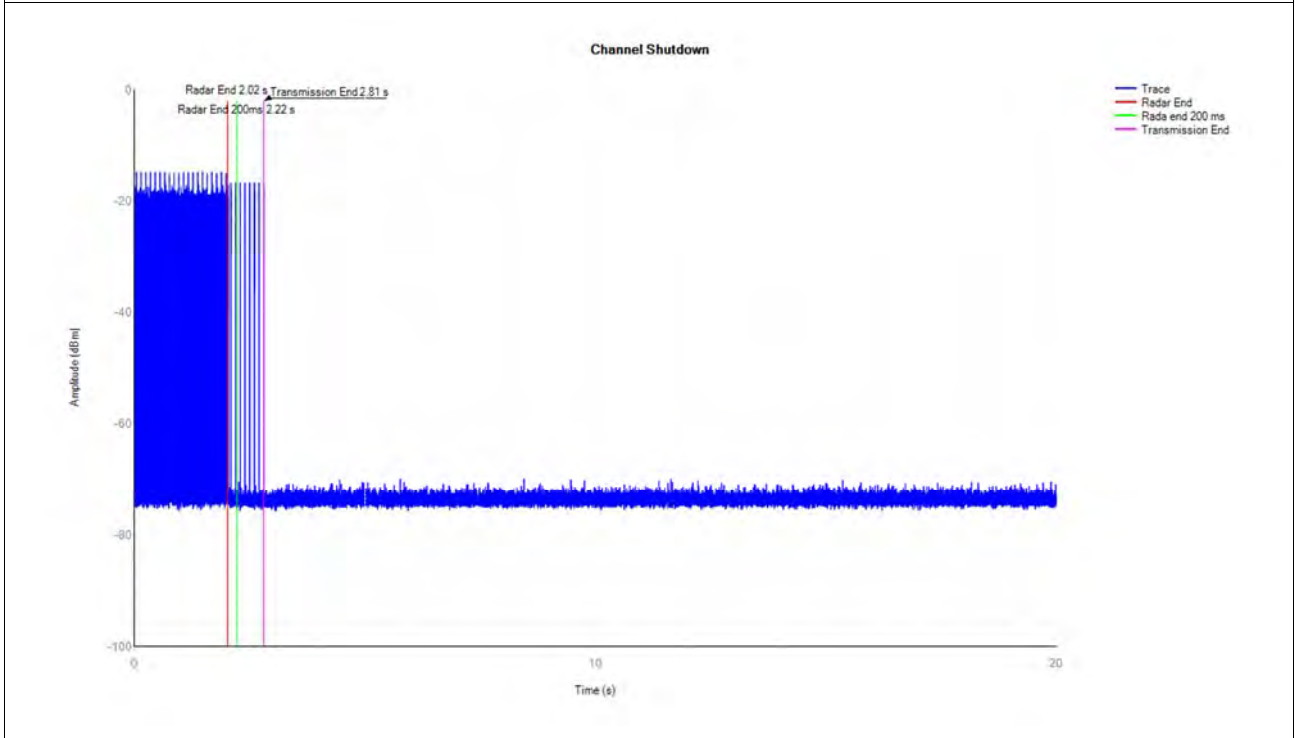
RBW: 3MHz

VBW: 3MHz

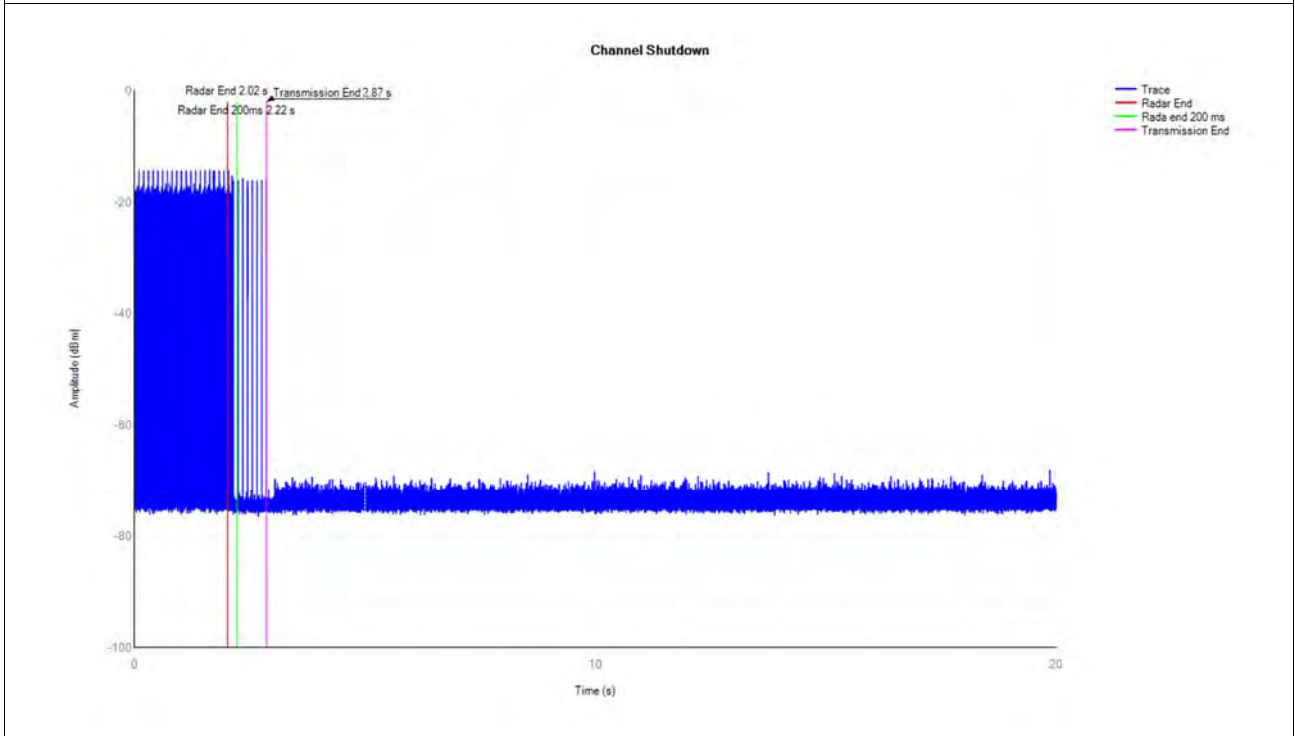
Sweep time: 20s

Test Graphs

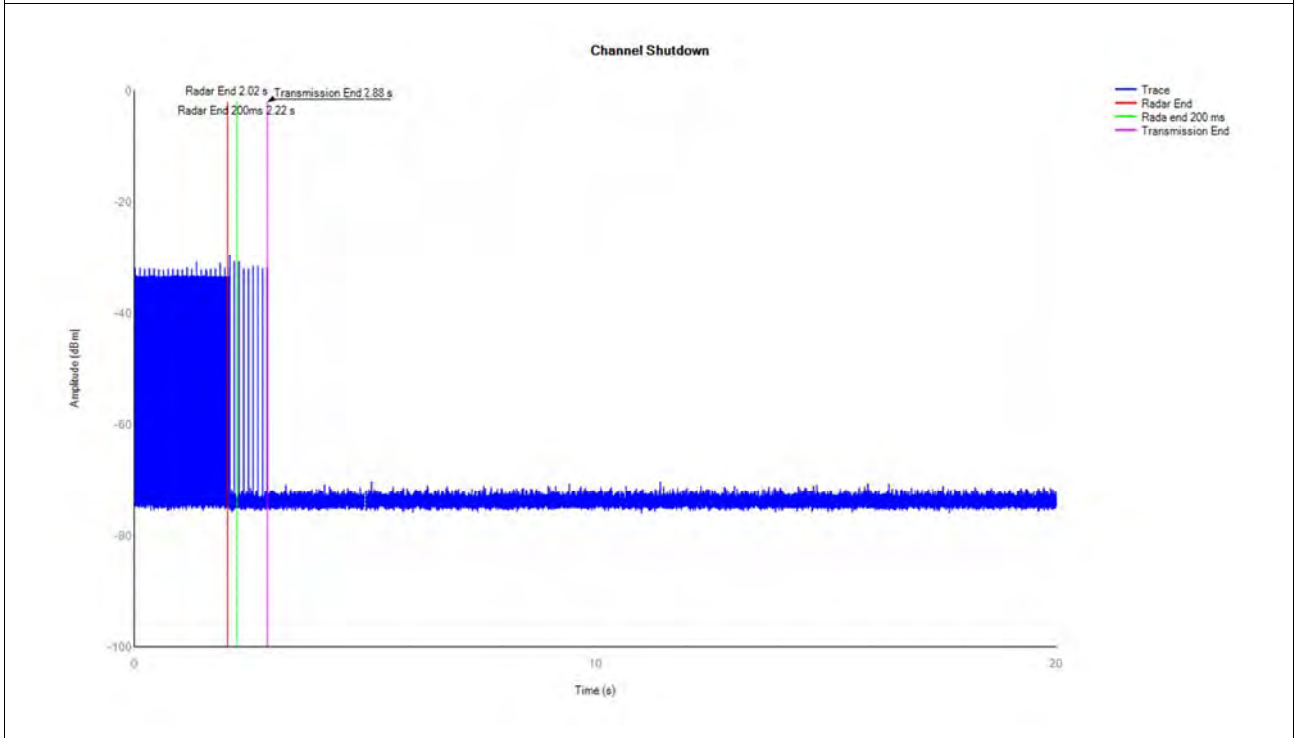
a 5320MHz Shutdown



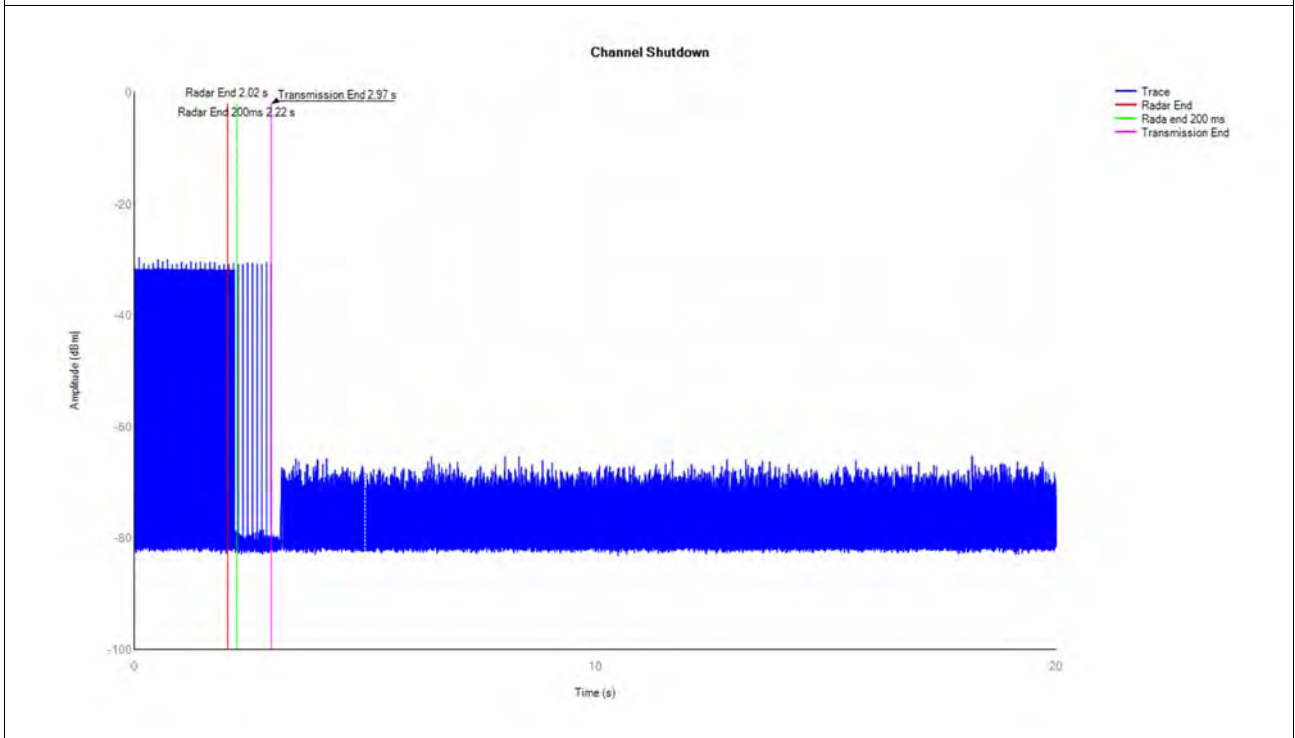
a 5500MHz Shutdown



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

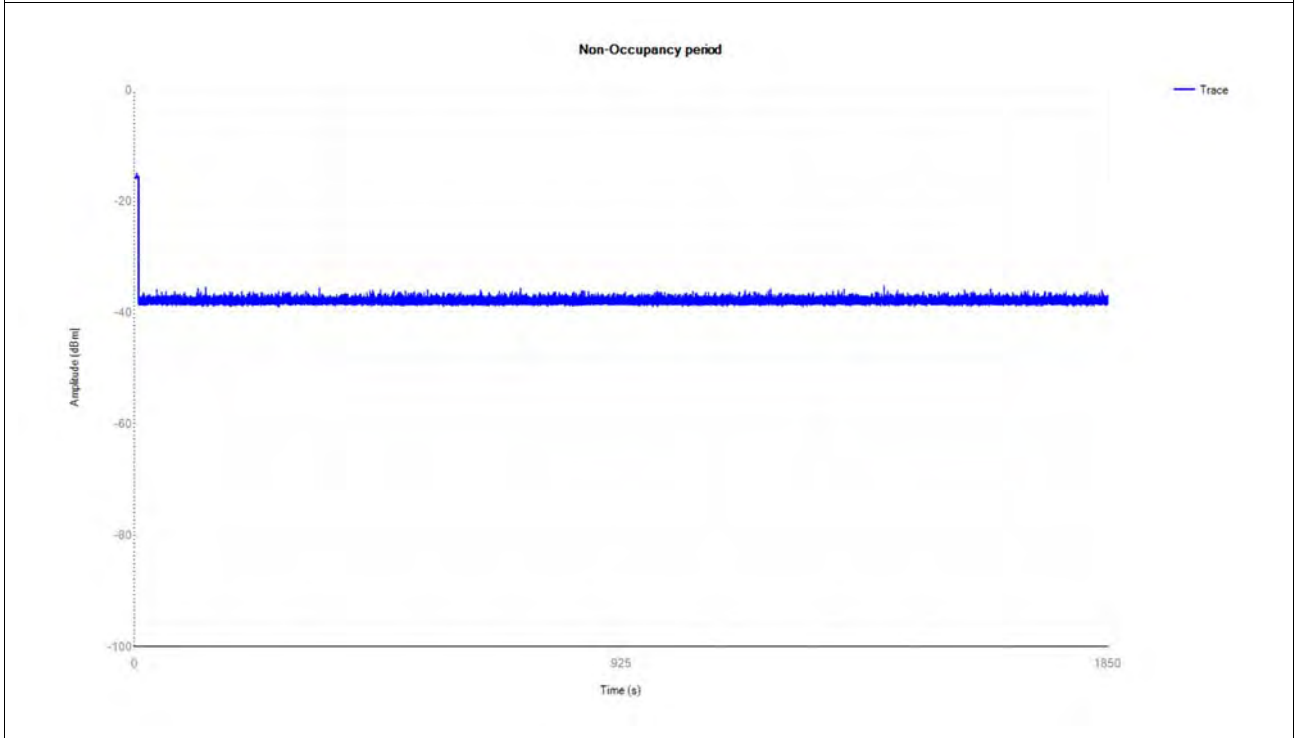
RBW: 3MHz

VBW: 3MHz

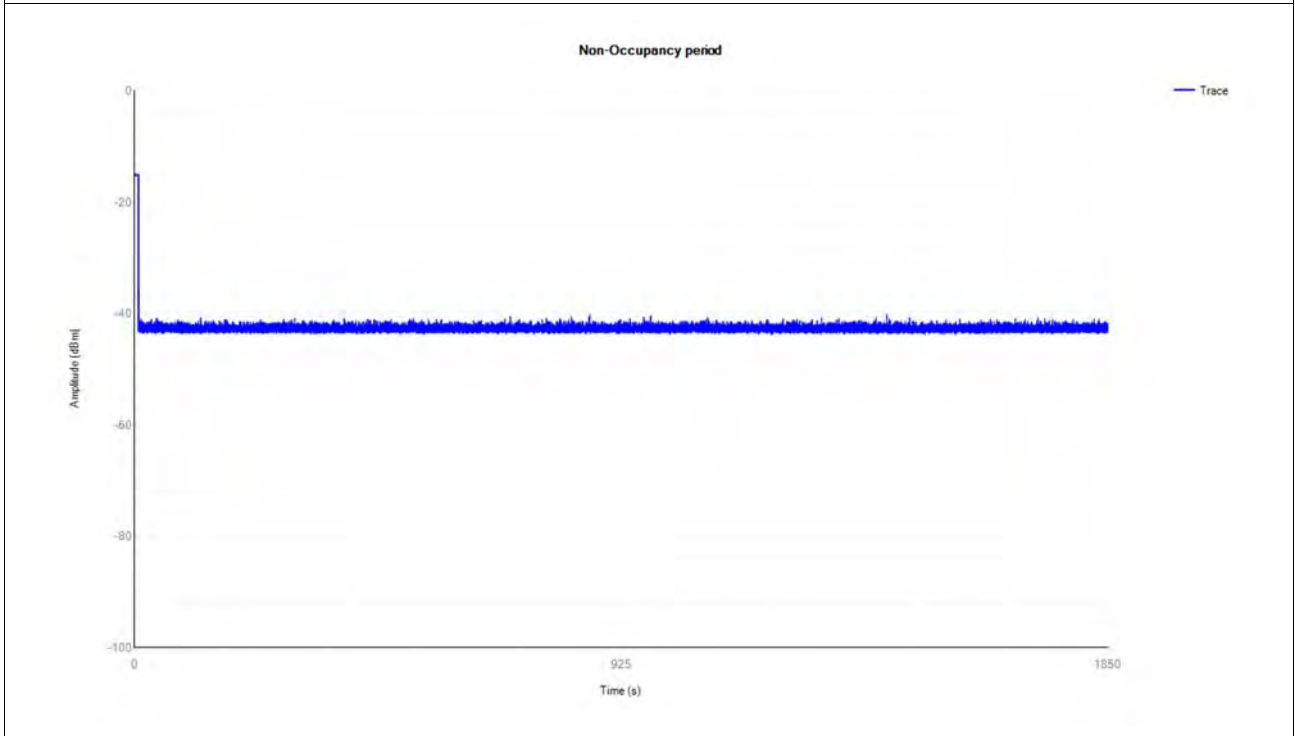
Sweep time: 1850s

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 + Adapter + USB Cable + Earphone + WIFI TX

Test voltage: AC 120V/60Hz

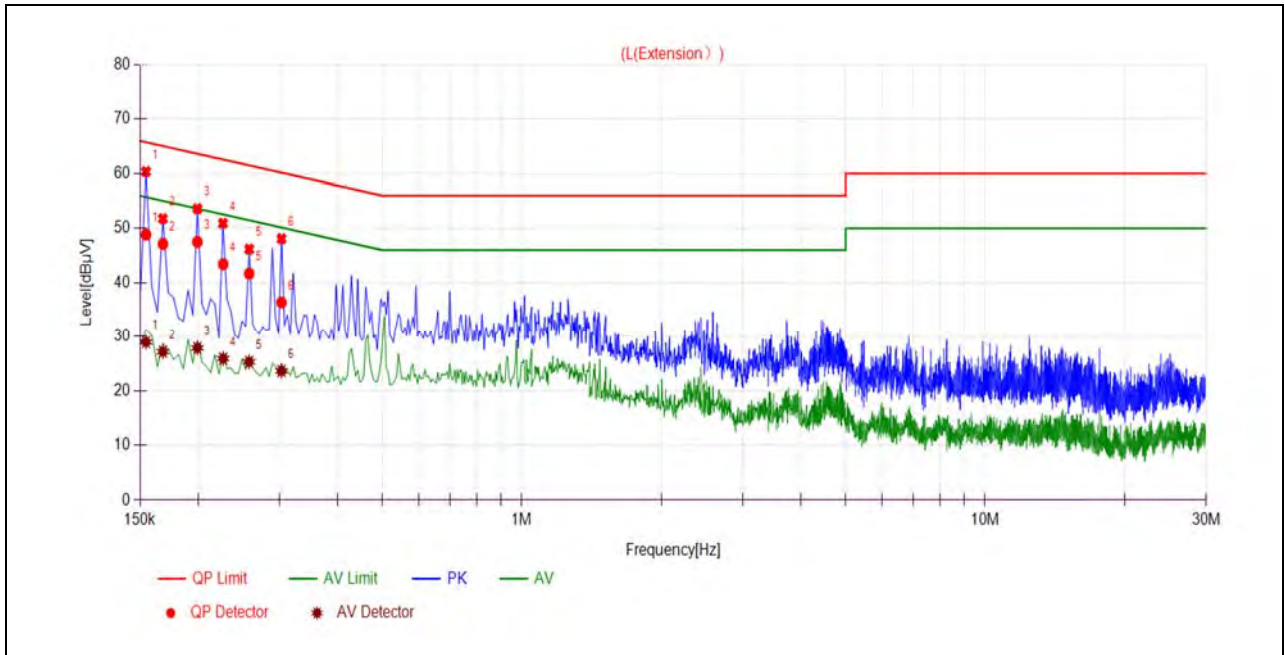
The measurement results are obtained as below:

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

U_R : Receiver Reading

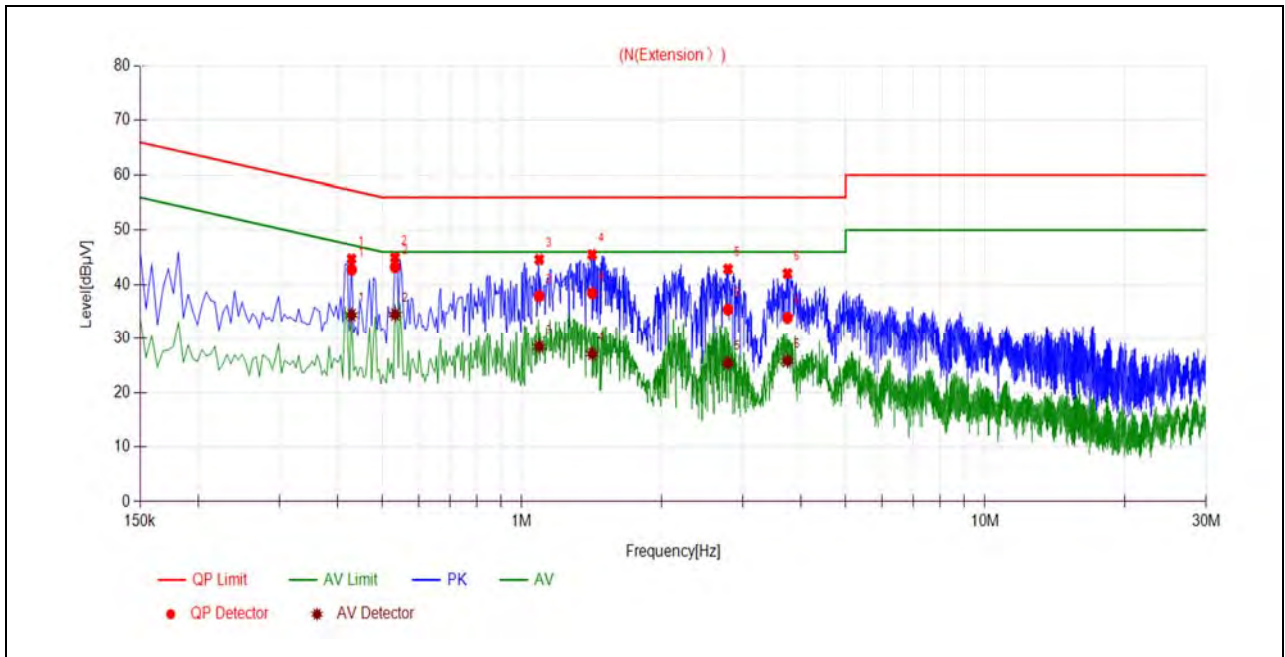
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1545	48.85	28.93	65.75	55.75	Line	PASS
2	0.1680	47.15	27.16	65.06	55.06		PASS
3	0.1994	47.51	27.84	63.64	53.64		PASS
4	0.2267	43.41	25.89	62.57	52.57		PASS
5	0.2579	41.67	25.28	61.50	51.50		PASS
6	0.3029	36.36	23.61	60.16	50.16		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.4292	42.75	34.41	57.27	47.27	Neutral	PASS
2	0.5329	43.22	34.50	56.00	46.00		PASS
3	1.0903	37.87	28.44	56.00	46.00		PASS
4	1.4187	38.42	27.11	56.00	46.00		PASS
5	2.7863	35.39	25.42	56.00	46.00		PASS
6	3.7436	33.90	25.82	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:

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

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

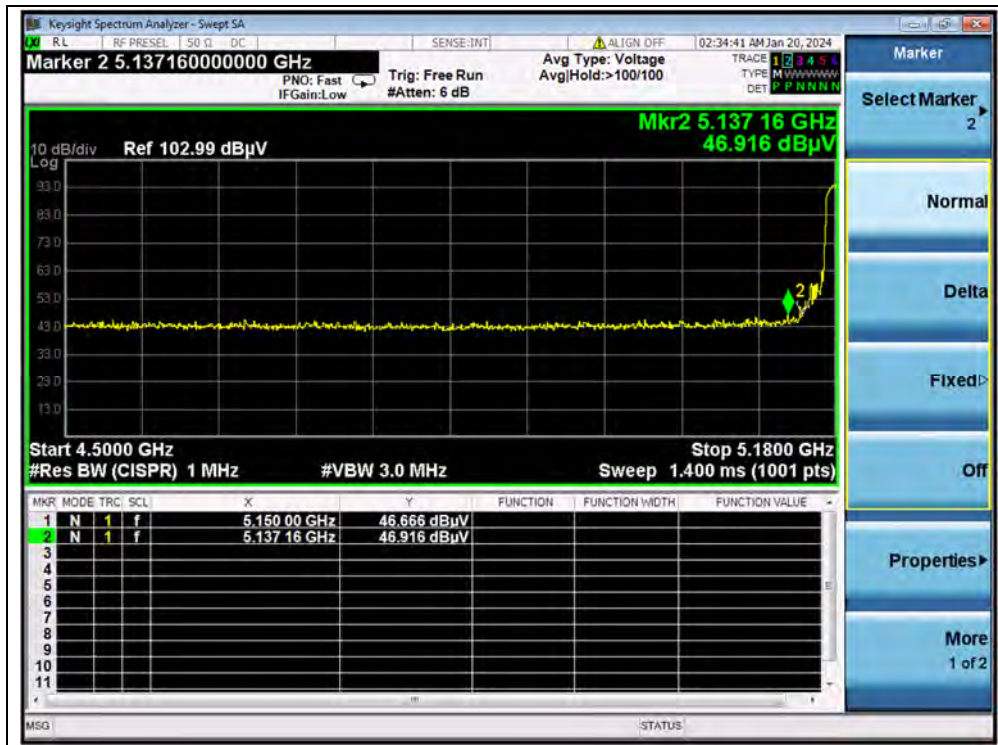
A_{Factor} : Antenna Factor at 3m

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

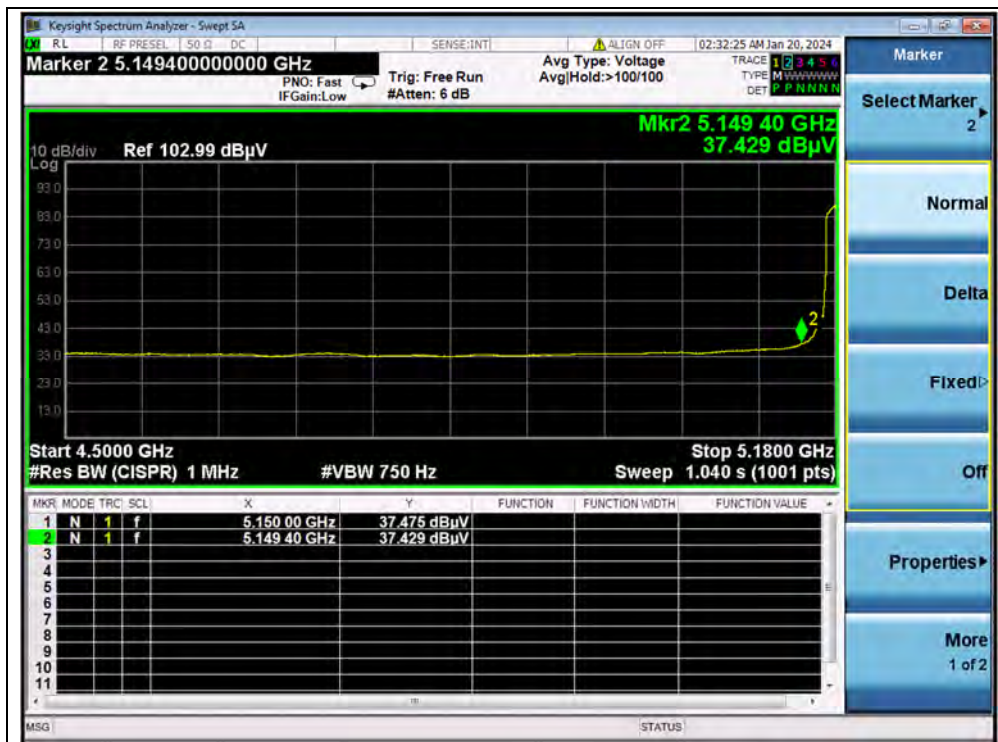
Note 2: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

Channel	Frequency (MHz)	Detector	Receiver Reading	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)					
36	5137.16	PK	46.92	-19.54	32.20	59.58	74	PASS
36	5150.00	AV	37.48	-19.54	32.20	50.14	54	PASS
64	5350.52	PK	50.92	-18.80	32.20	64.32	74	PASS
64	5350.38	AV	35.61	-18.80	32.20	49.01	54	PASS
100	5468.69	PK	47.94	-19.20	32.20	60.94	68.23	PASS
100	5470.00	AV	35.23	-19.20	32.20	48.23	54	PASS
144	5725.00	PK	47.68	-19.20	32.20	60.68	68.23	PASS
149	5725.00	PK	54.96	-19.01	32.20	68.15	122.23	PASS
165	5850.00	PK	48.77	-19.01	32.20	61.96	122.23	PASS



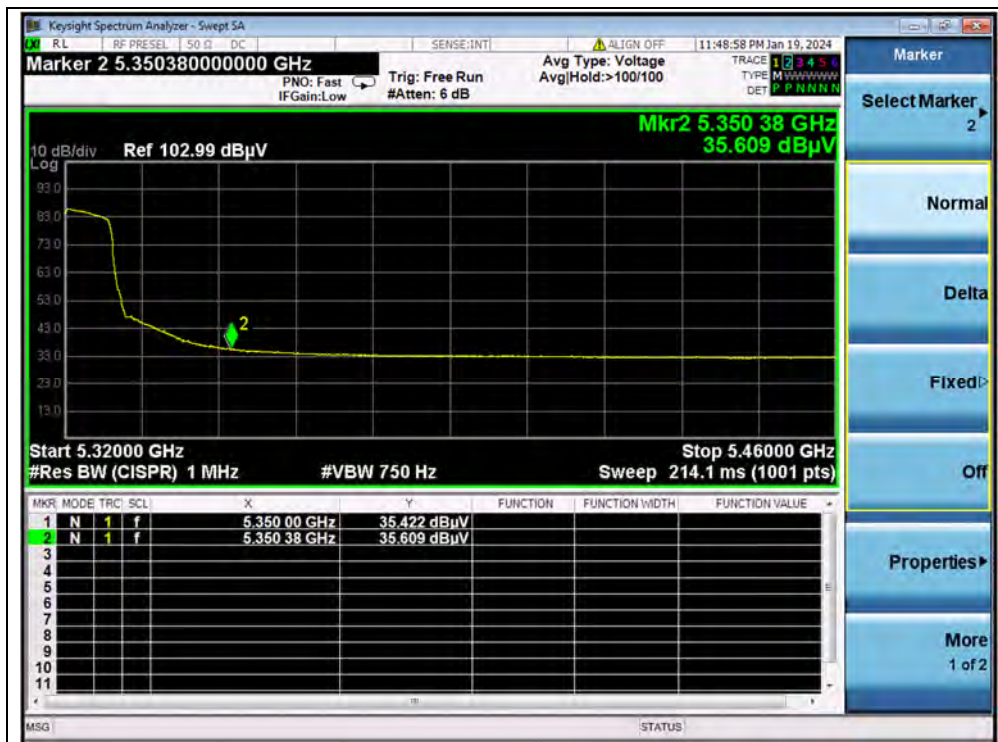
(PEAK, Channel 36, 802.11a)



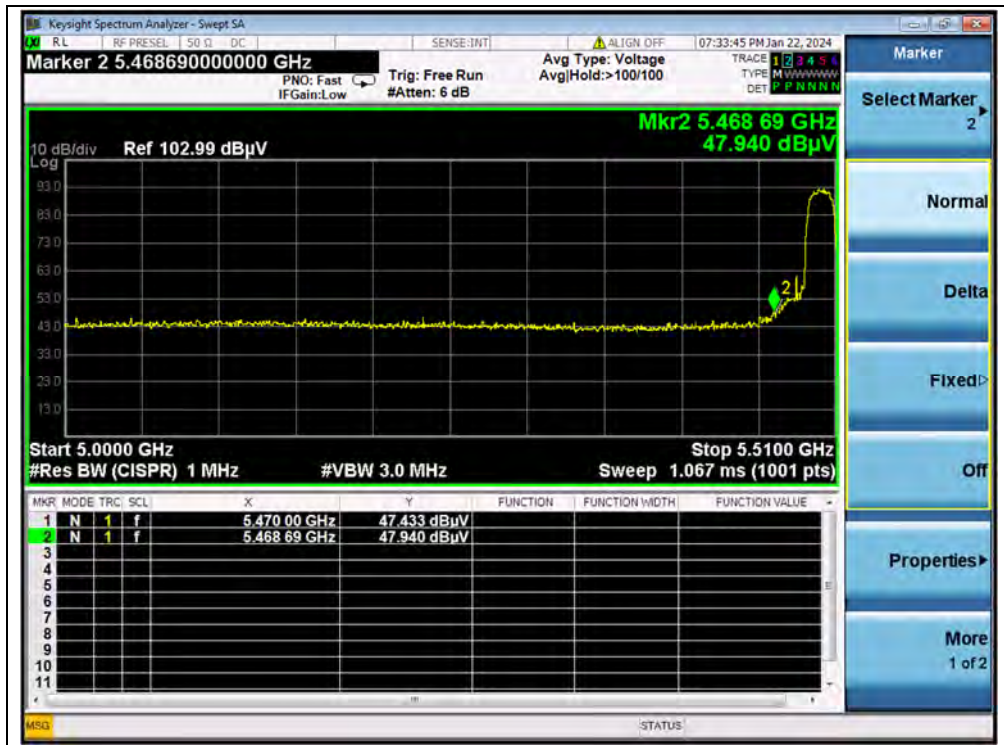
(AVERAGE, Channel 36, 802.11a)



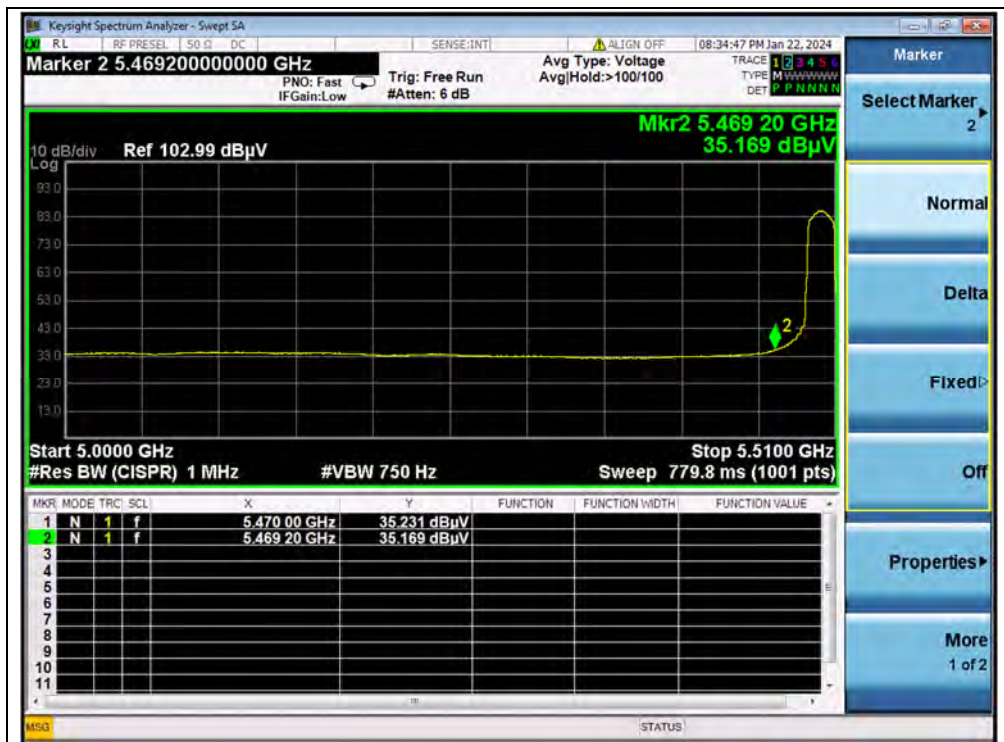
(PEAK, Channel 64, 802.11a)



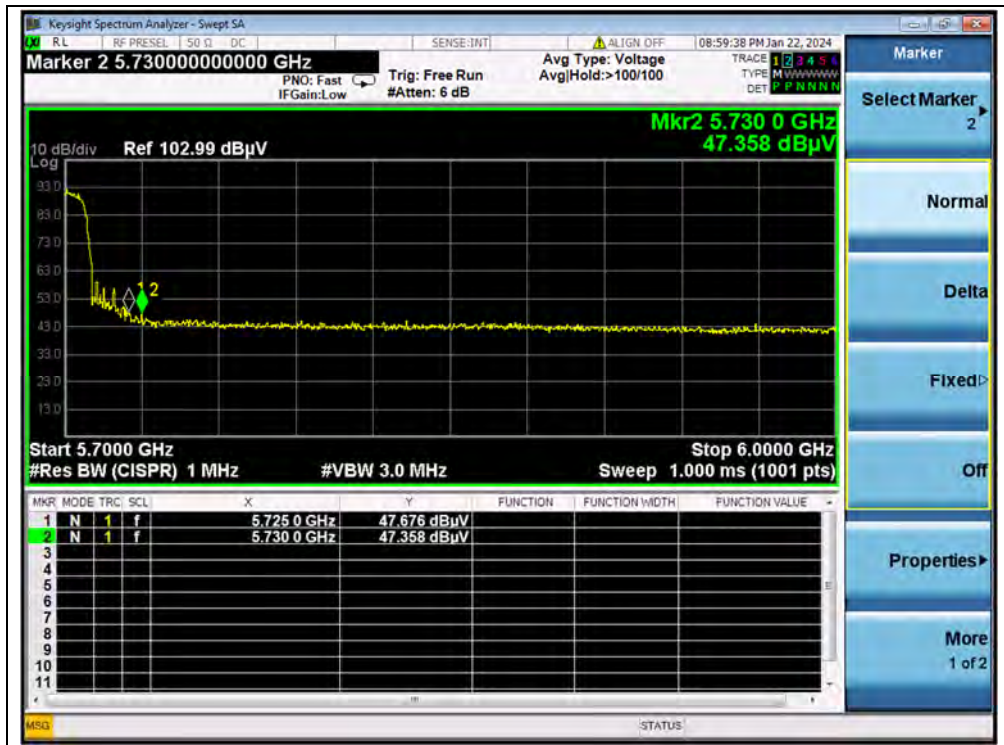
(AVERAGE, Channel 64, 802.11a)



(PEAK, Channel 100, 802.11a)



(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)

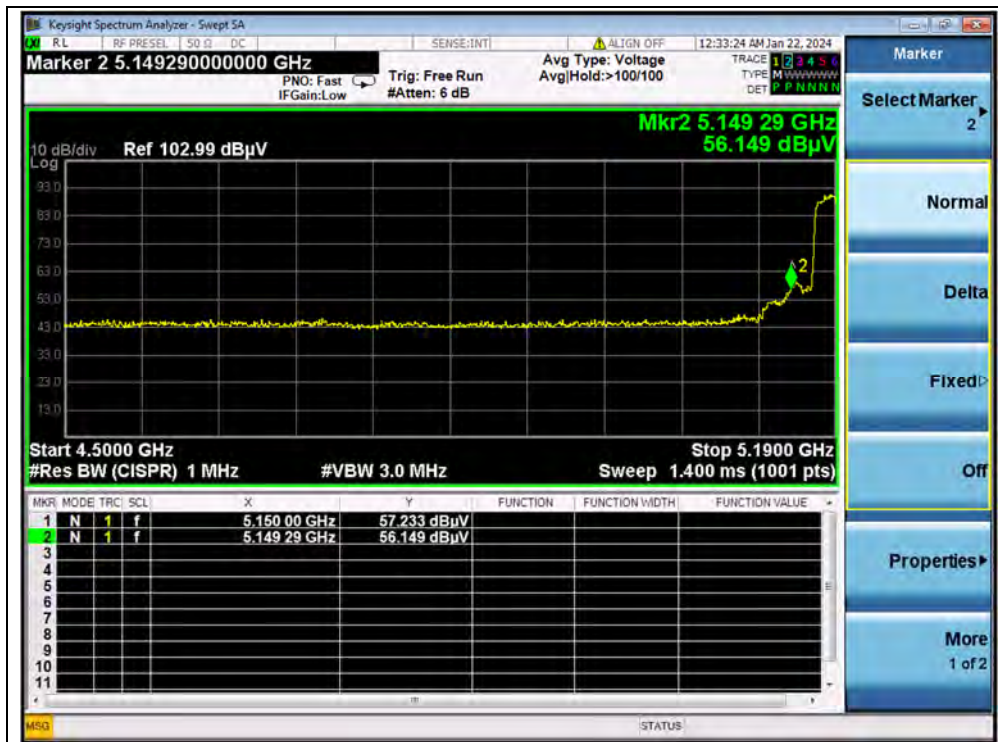


(PEAK, Channel 165, 802.11a)

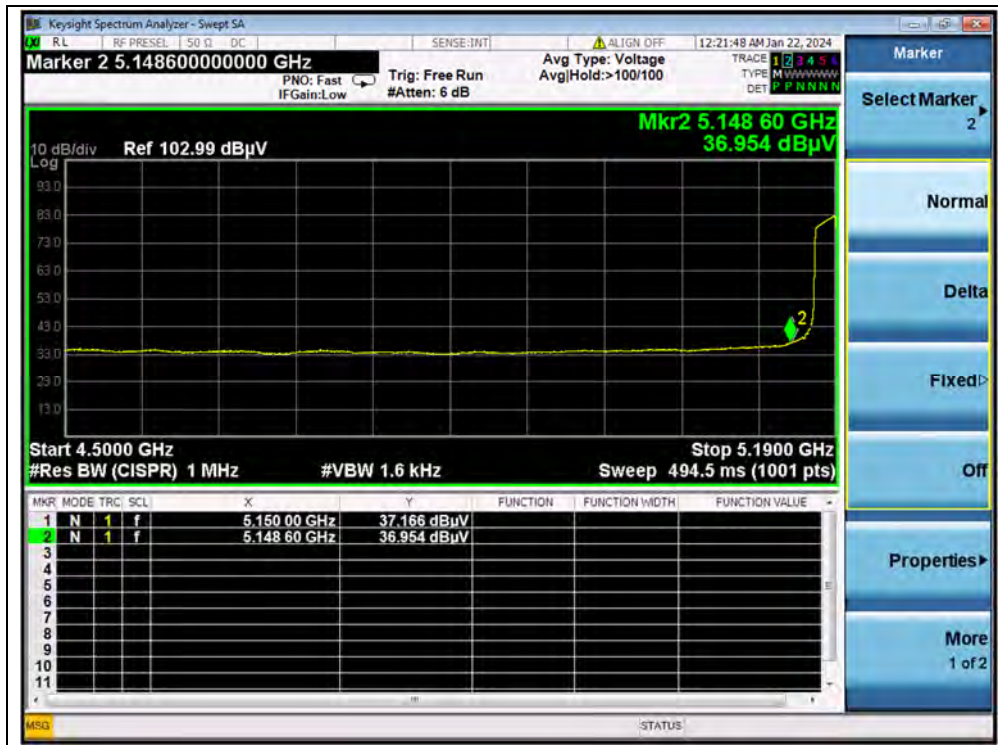


802.11n (HT40) Mode

Channel	Frequency (MHz)	Detector	Receiver Reading U _R (dBμV)	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
38	5150.00	PK	57.23	-19.54	32.20	69.89	74	PASS
38	5150.00	AV	37.17	-19.54	32.20	49.83	54	PASS
62	5351.25	PK	51.49	-18.80	32.20	64.89	74	PASS
62	5350.50	AV	36.57	-18.80	32.20	49.97	54	PASS
102	5470.00	PK	51.64	-19.20	32.20	64.64	68.23	PASS
102	5098.58	AV	35.20	-19.20	32.20	48.20	54	PASS
142	5737.65	PK	48.93	-19.20	32.20	61.93	68.23	PASS
151	5720.00	PK	60.74	-19.01	32.20	73.93	110.83	PASS
159	5850.00	PK	48.56	-19.01	32.20	61.75	122.23	PASS



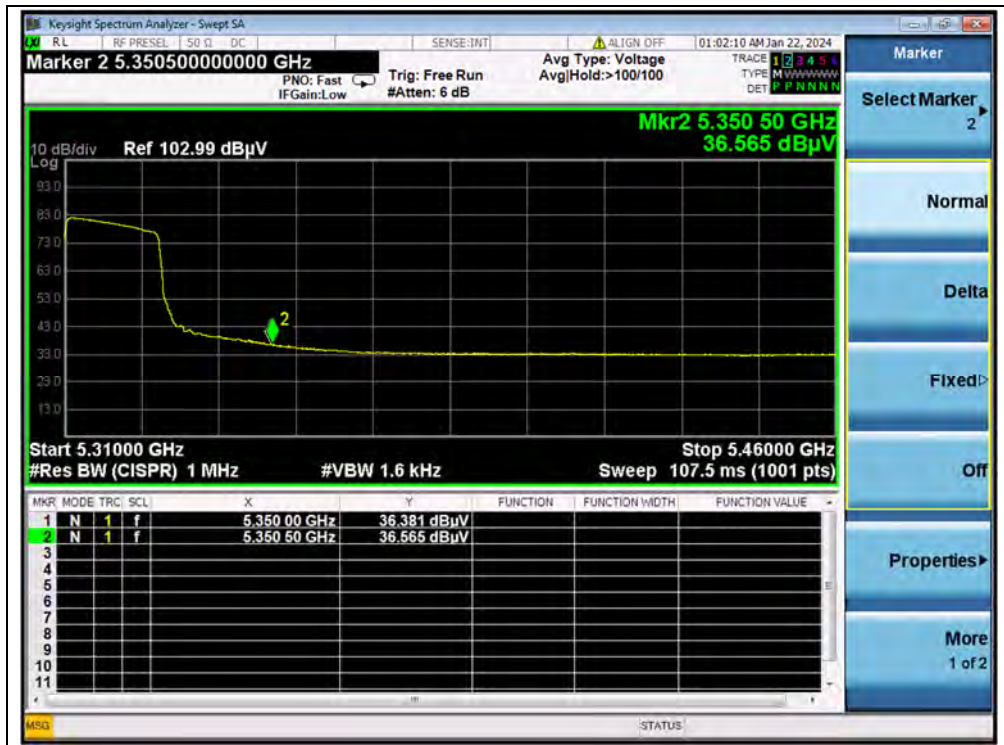
(PEAK, Channel 38, 802.11n (HT40))



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



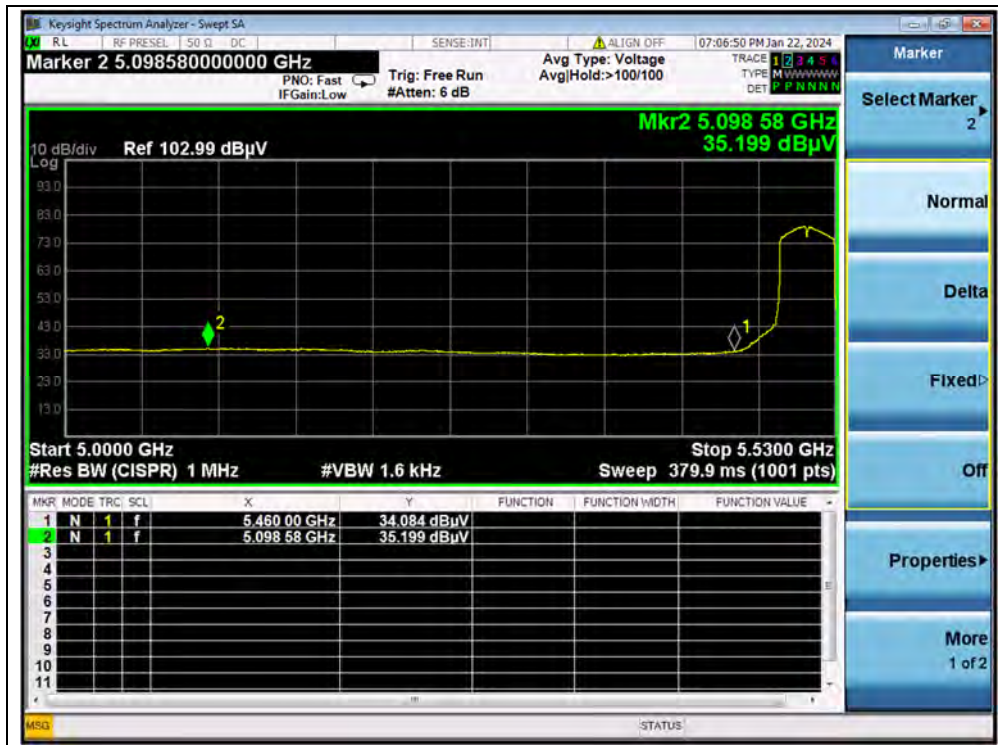
(PEAK, Channel 62, 802.11n (HT40))



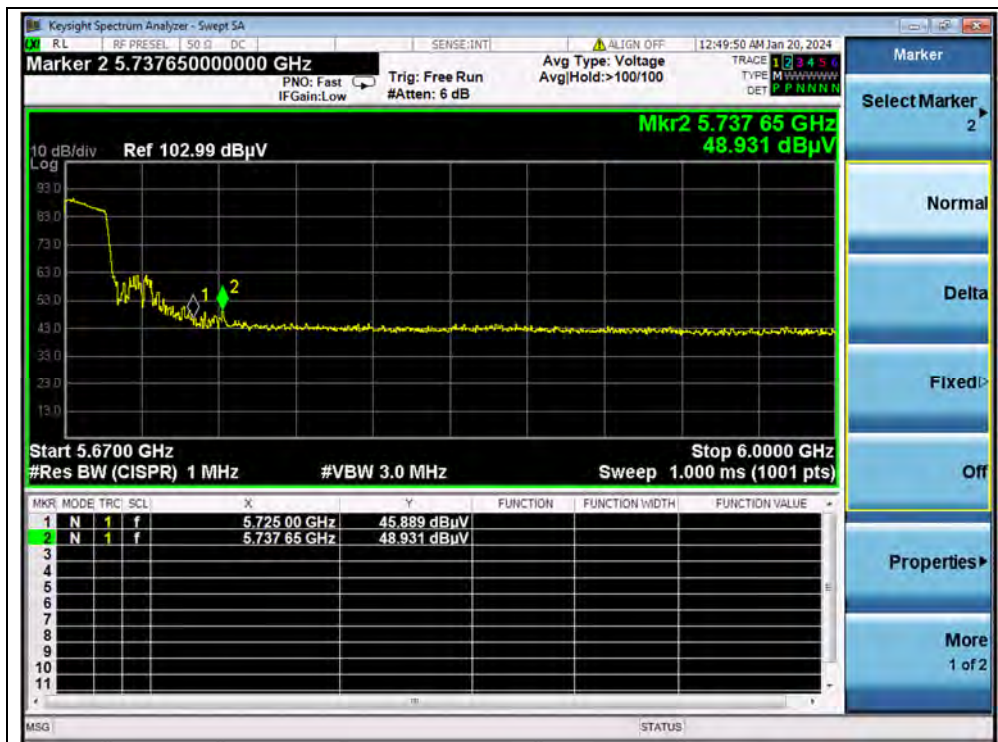
(AVERAGE, Channel 62, 802.11n (HT40))



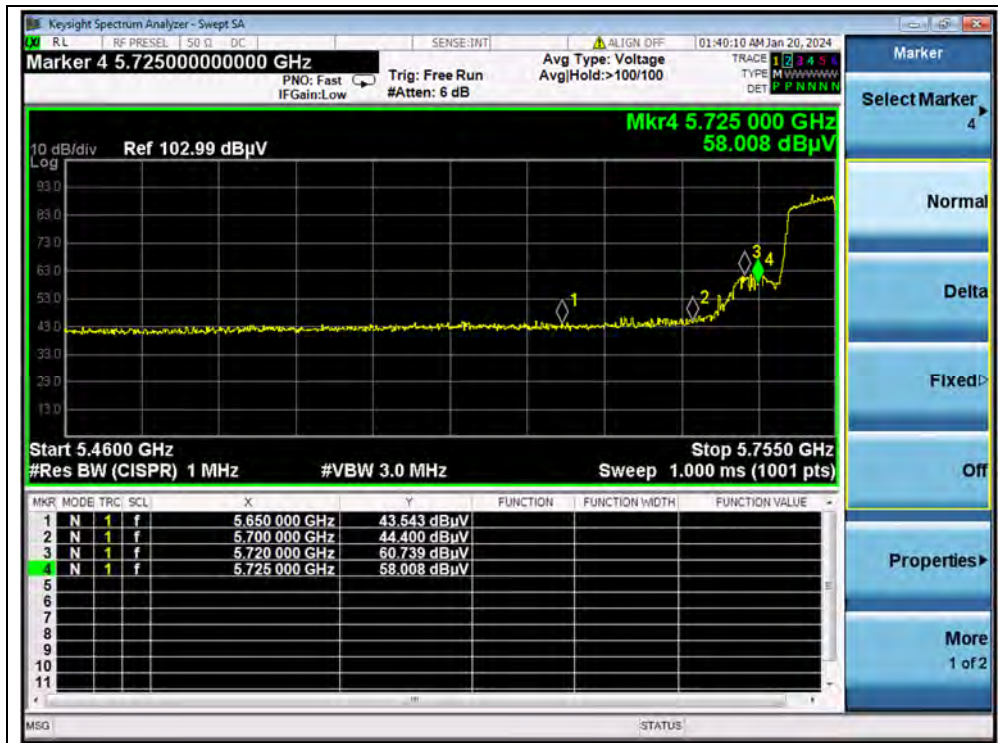
(PEAK, Channel 102, 802.11n (HT40))



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



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



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

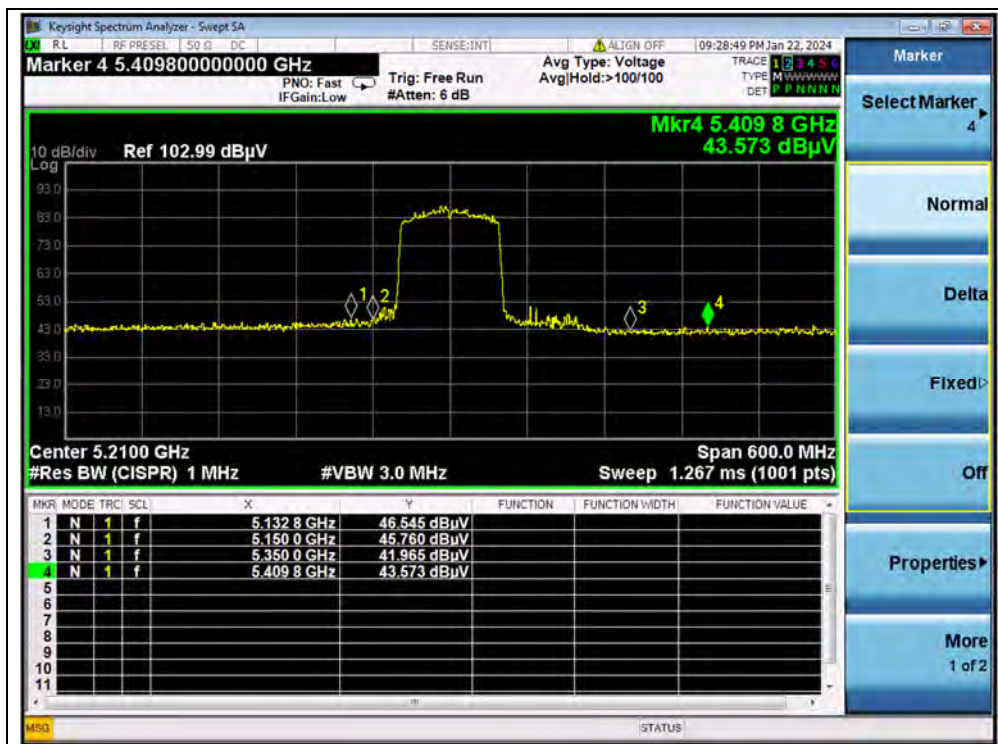


(PEAK, Channel 159, 802.11n (HT40))

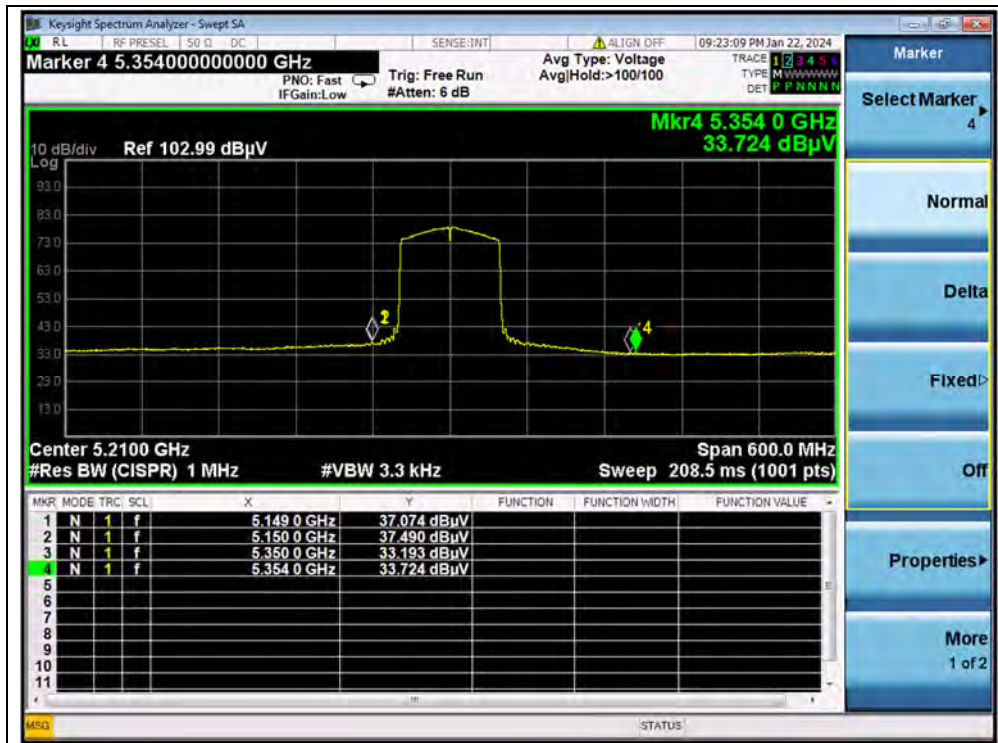


802.11ac (VHT80) Mode

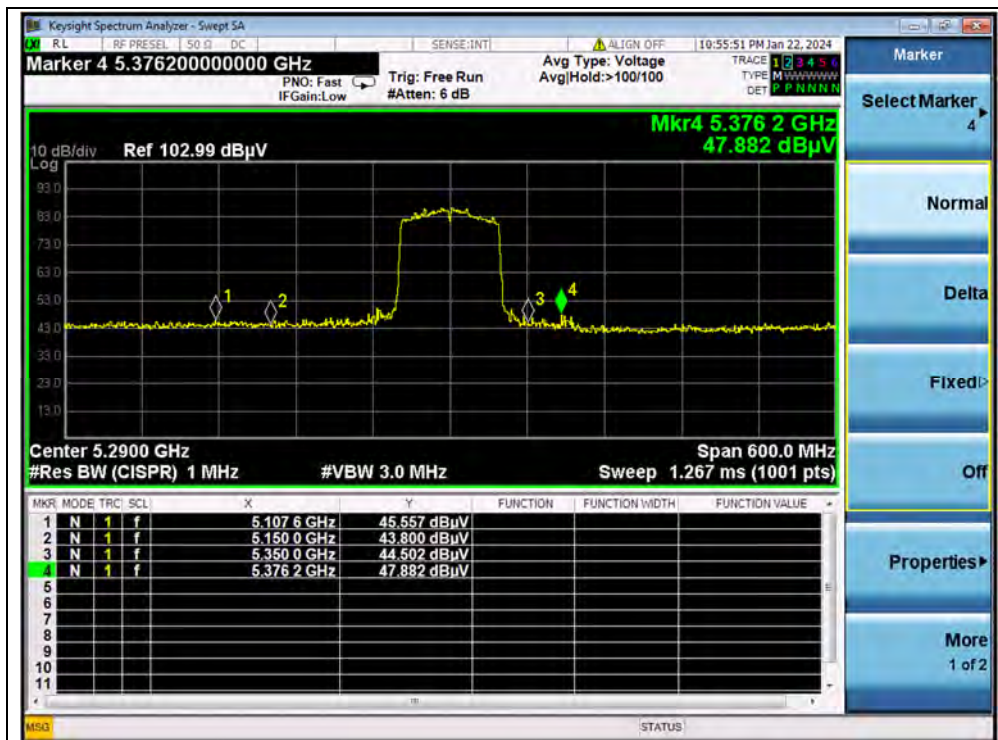
Channel	Frequency (MHz)	Detector	Receiver Reading U _R (dBμV)	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
42	5132.80	PK	46.55	-19.54	32.20	59.21	74	PASS
42	5150.00	AV	37.49	-19.54	32.20	50.15	54	PASS
58	5376.20	PK	47.88	-18.80	32.20	61.28	74	PASS
58	5350.00	AV	36.98	-18.80	32.20	50.38	54	PASS
106	5465.34	PK	51.22	-19.20	32.20	64.22	68.23	PASS
106	5457.39	AV	36.72	-19.20	32.20	49.72	54	PASS
138	5727.39	PK	46.90	-19.20	32.20	59.90	68.23	PASS
155	5725.00	PK	54.81	-19.01	32.20	68.00	122.23	PASS
155	5855.00	PK	51.24	-19.01	32.20	64.43	110.83	PASS



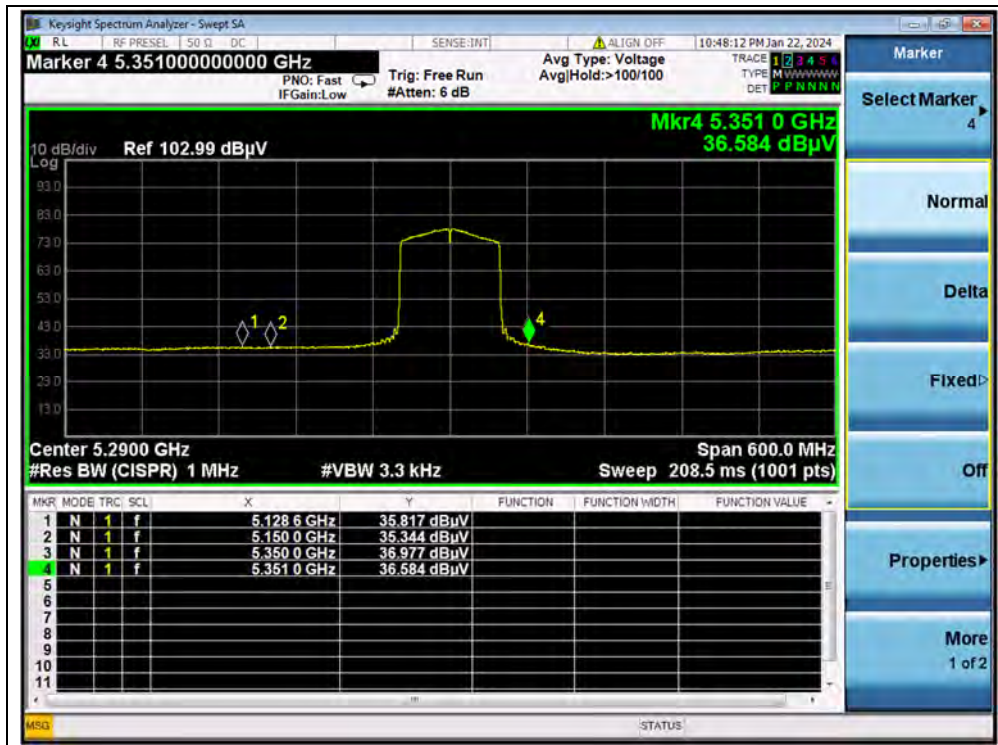
(PEAK, Channel 42, 802.11ac (VHT80))



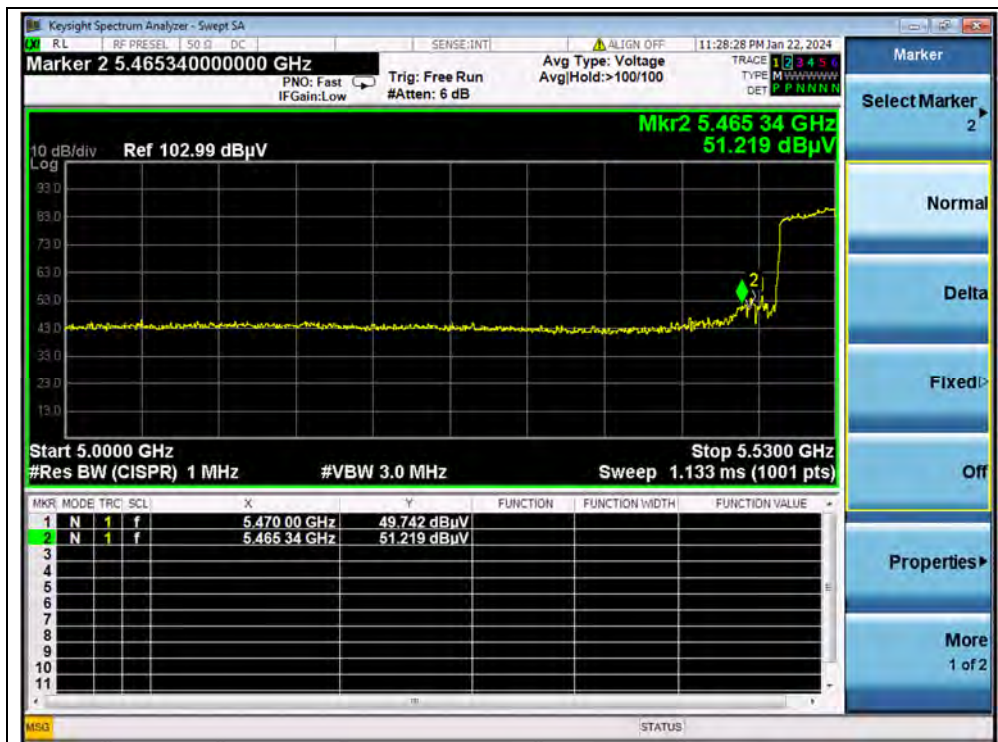
(AVERAGE, Channel 42, 802.11ac (VHT80))



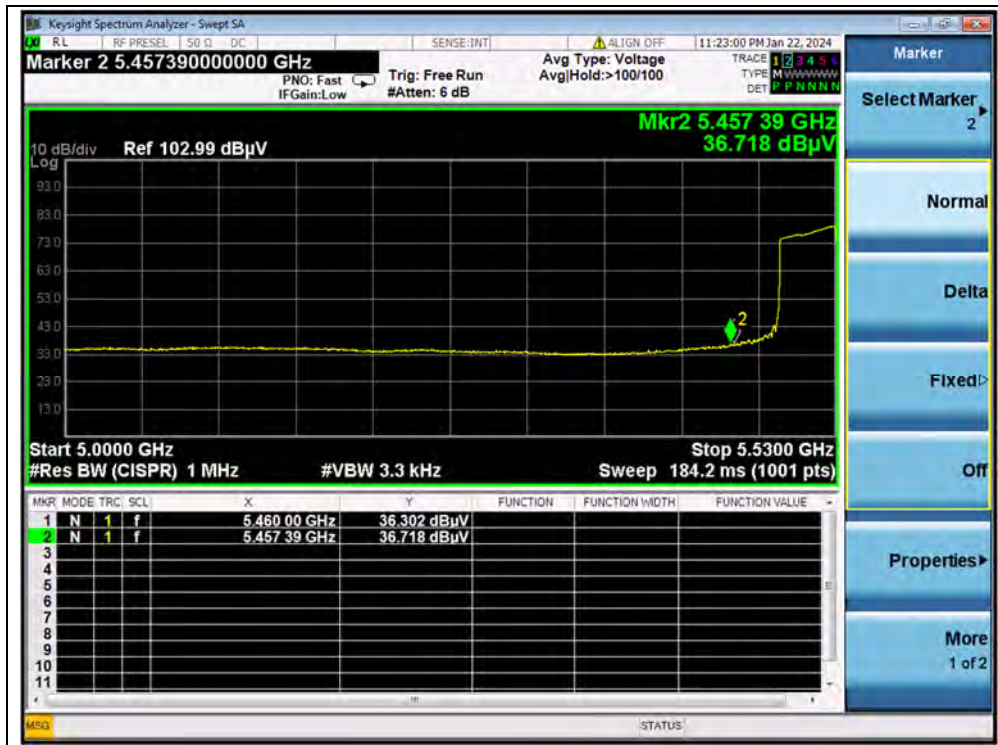
(PEAK, Channel 58, 802.11ac (VHT80))



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



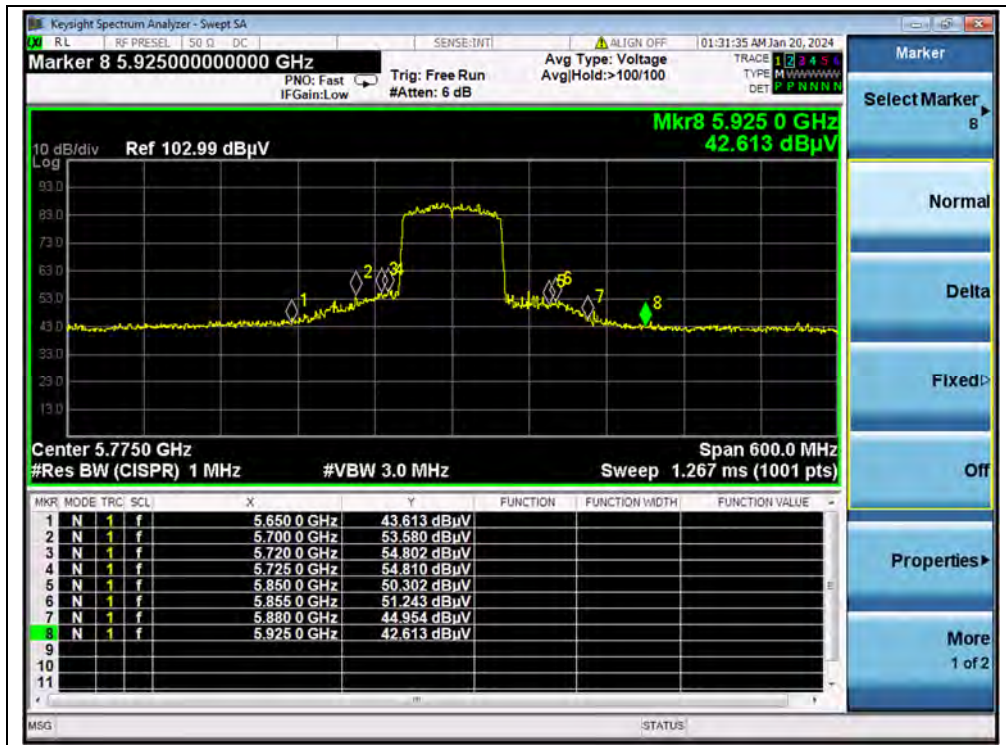
(PEAK, Channel 106, 802.11ac (VHT80))



(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:

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

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.

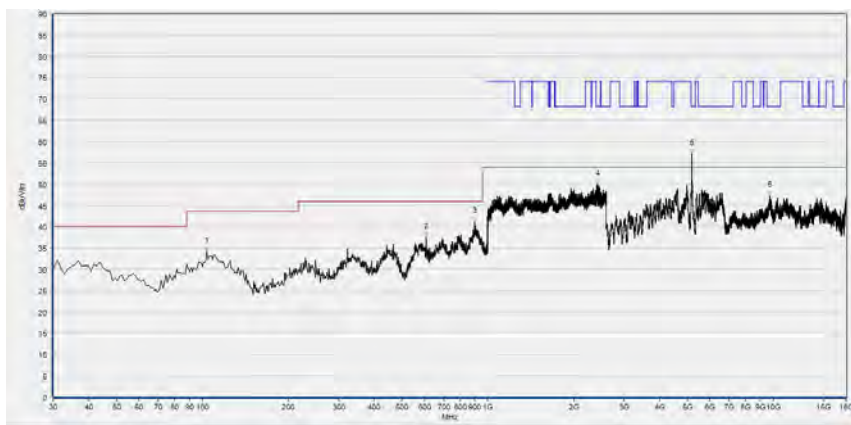
Note3: For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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.



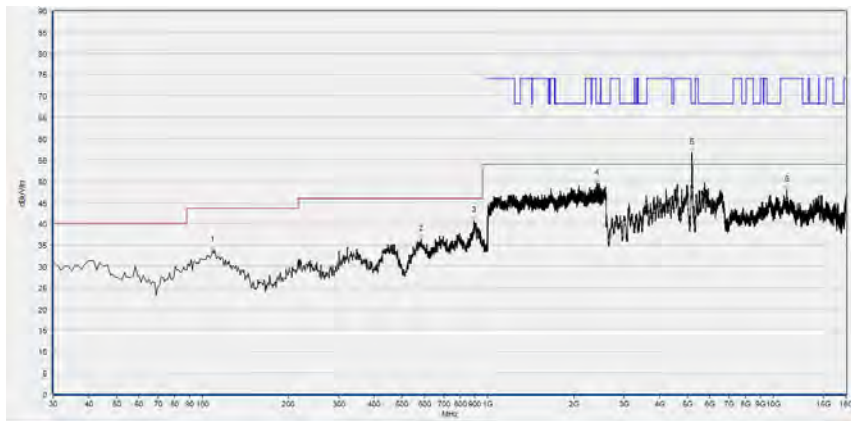
802.11a Mode

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
103.720	34.16	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
609.090	37.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
900.090	41.18	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2423.467	49.92	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5184.120	57.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9742.520	47.27	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

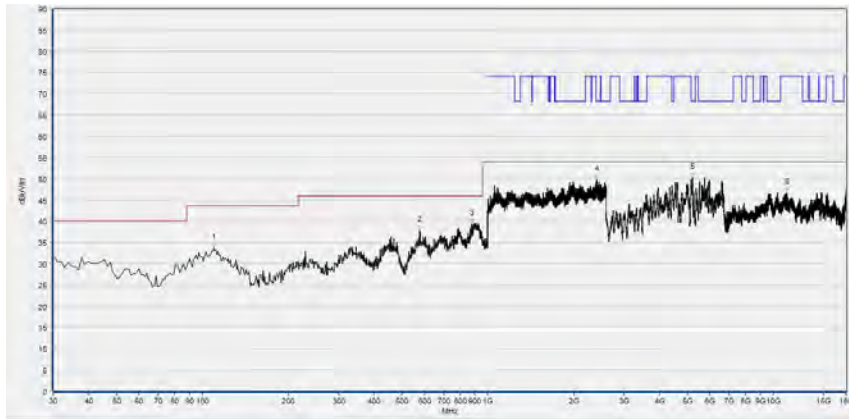
(Antenna Horizontal, 30MHz to 18GHz)



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	33.63	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
583.870	36.31	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
896.210	40.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2408.000	49.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5181.040	56.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11147.000	48.01	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

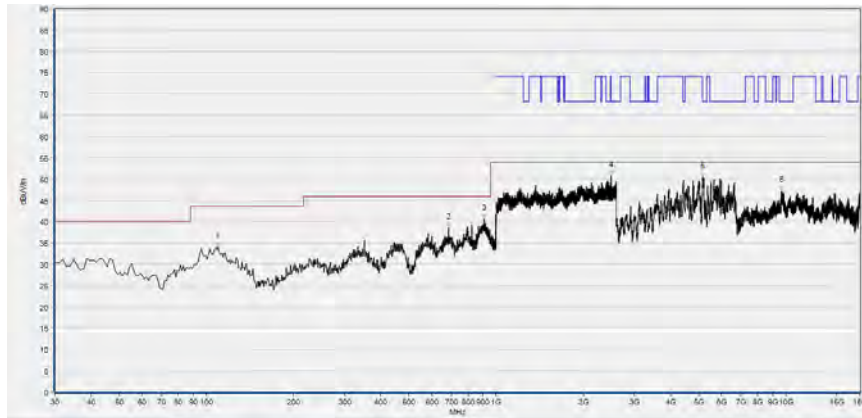
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	33.67	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
577.080	37.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
877.780	39.34	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2412.800	49.74	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5202.600	50.21	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11153.160	46.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

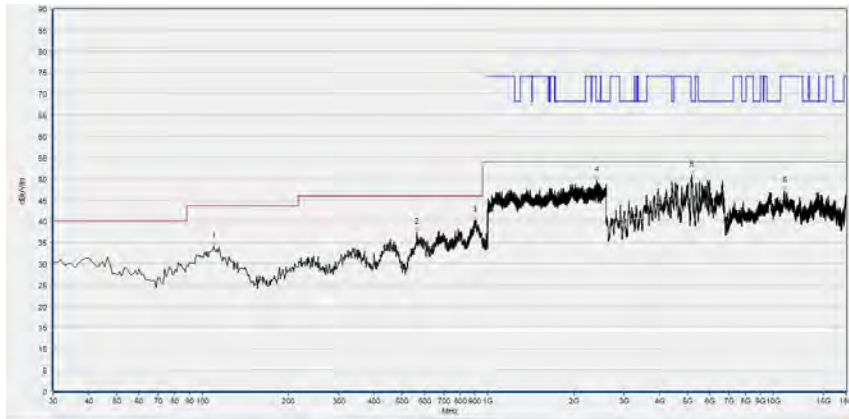
(Antenna Horizontal, 30MHz to 18GHz)



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	34.01	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
683.780	38.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
907.850	40.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2496.000	50.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5165.640	50.38	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9671.680	47.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

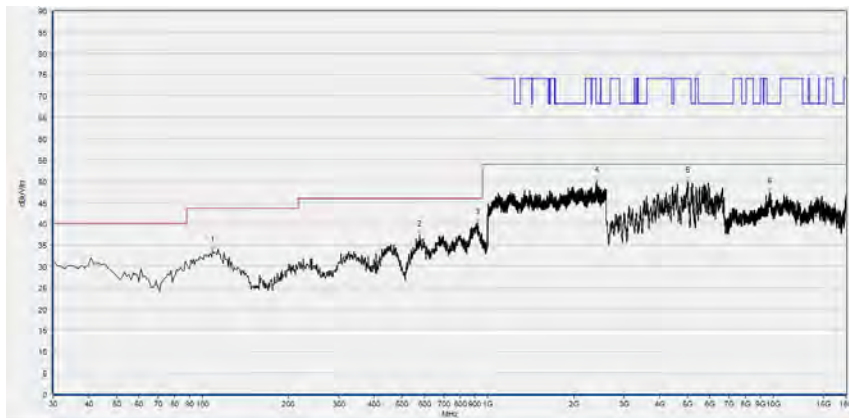
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	34.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
563.500	37.44	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
900.090	40.28	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2412.267	49.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5181.040	50.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10943.720	47.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

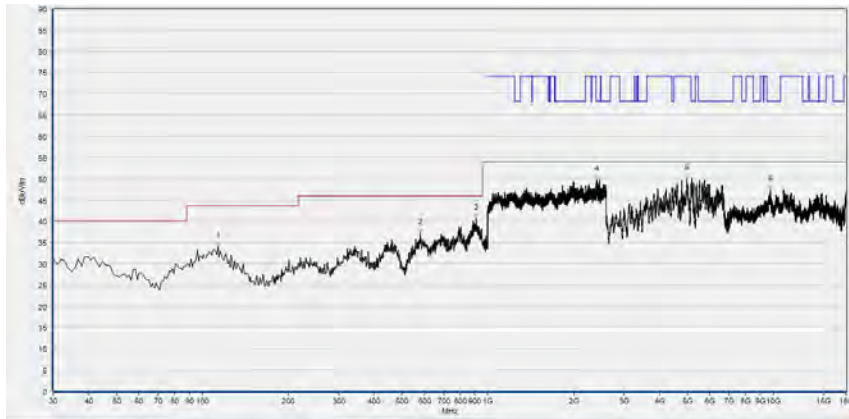
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	33.72	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
577.080	37.33	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
919.490	40.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2402.133	50.13	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5008.560	49.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9739.440	47.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

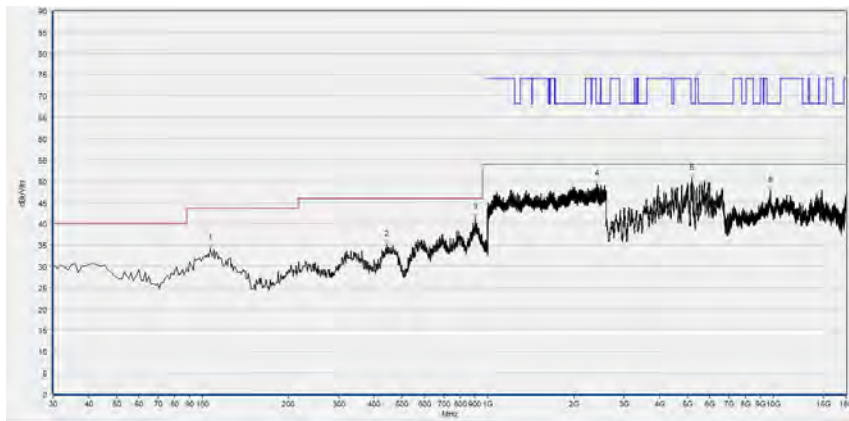
(Antenna Vertical, 30MHz to 18GHz)

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
113.420	33.99	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
579.020	37.16	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
911.730	40.71	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2408.000	49.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4971.600	50.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9748.680	47.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

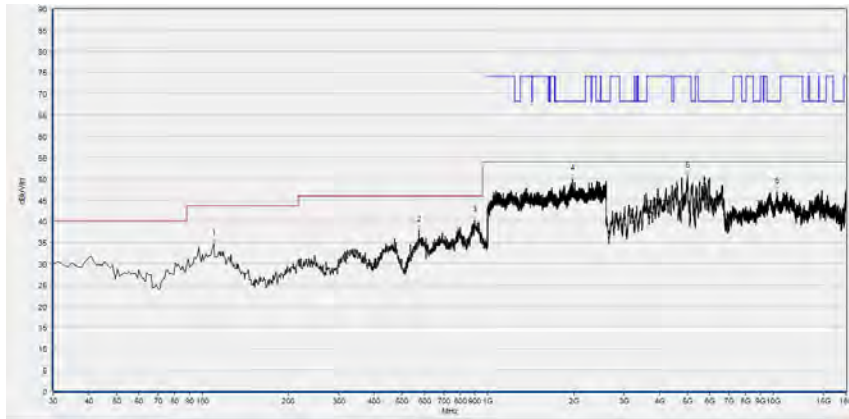
(Antenna Horizontal, 30MHz to 18GHz)



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
106.630	34.21	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
442.250	35.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
903.000	41.31	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2414.933	49.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5196.440	50.58	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9761.000	47.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

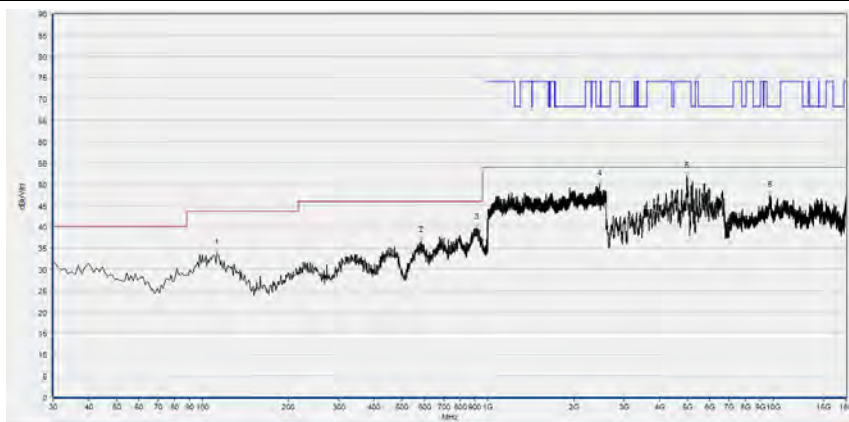
(Antenna Vertical, 30MHz to 18GHz)

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	34.67	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
574.170	37.84	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
897.180	40.18	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1974.400	49.93	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4999.320	50.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10278.440	46.94	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

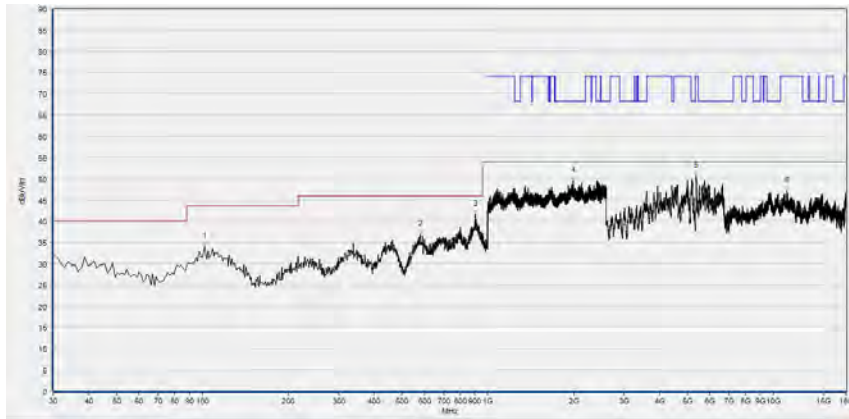
(Antenna Horizontal, 30MHz to 18GHz)



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
112.450	33.73	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
581.930	36.78	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
913.670	39.73	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2458.667	49.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4977.760	51.77	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9736.360	47.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

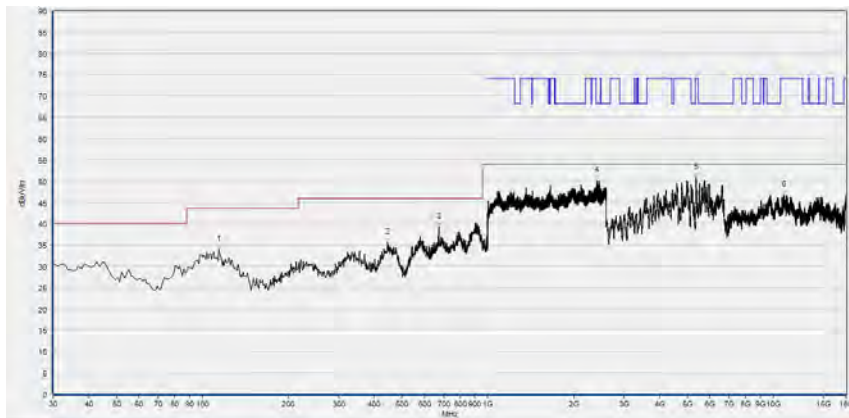
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 64



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	34.07	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
579.990	36.83	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.030	41.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1992.533	49.43	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5375.080	50.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11140.840	47.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

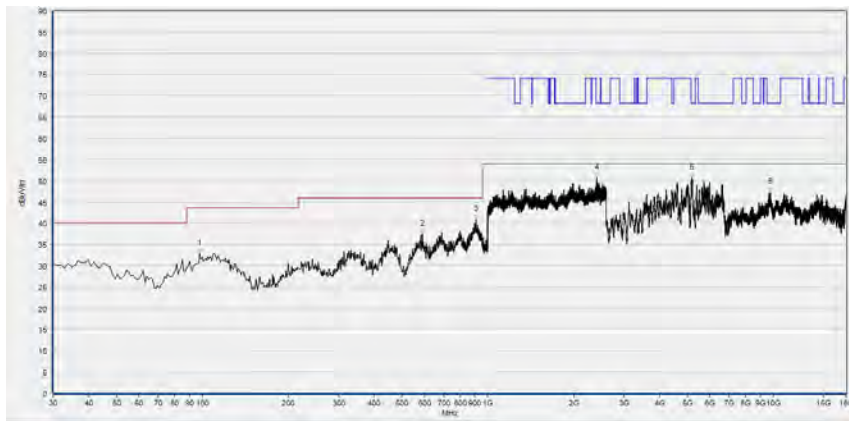
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
114.390	33.90	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
446.130	35.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
674.080	39.18	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2410.667	50.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5375.080	50.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10916.000	46.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

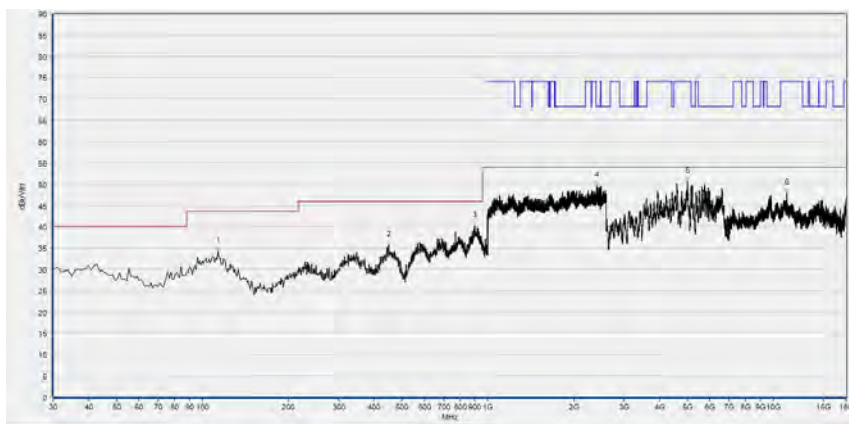
(Antenna Vertical, 30MHz to 18GHz)

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
97.900	32.77	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
590.660	37.40	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
907.850	40.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2402.133	50.61	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5174.880	50.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9751.760	47.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

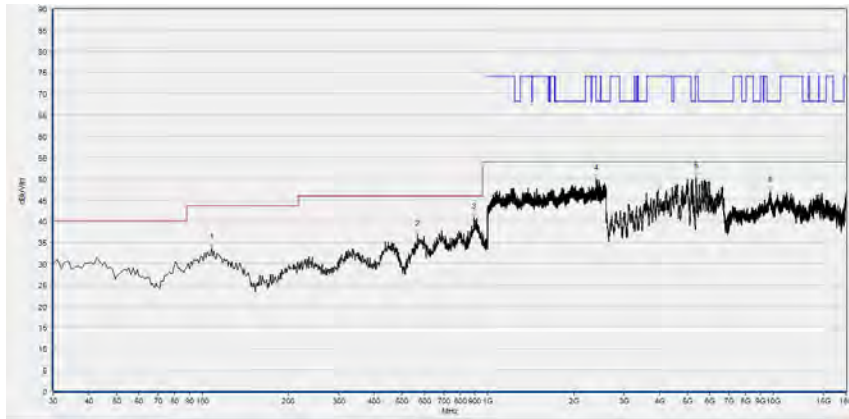
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
113.420	34.16	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
449.040	35.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.120	40.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2412.800	49.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4999.320	50.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11147.000	47.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

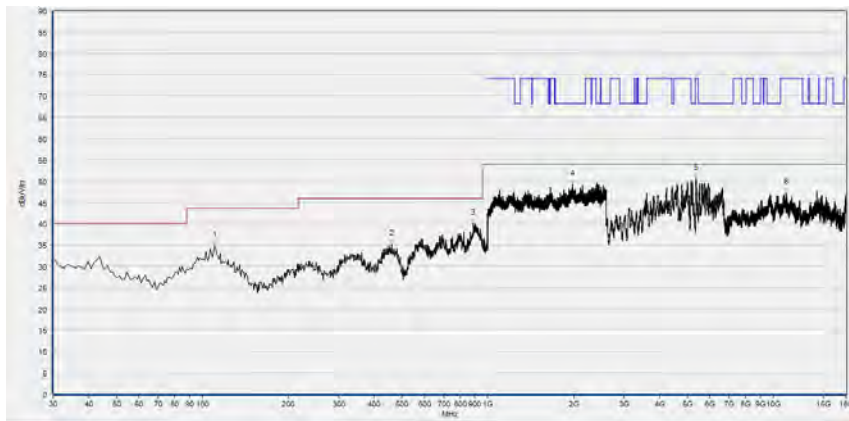
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	33.74	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
566.410	36.79	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
892.330	40.86	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2401.600	49.89	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5378.160	50.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9767.160	47.14	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

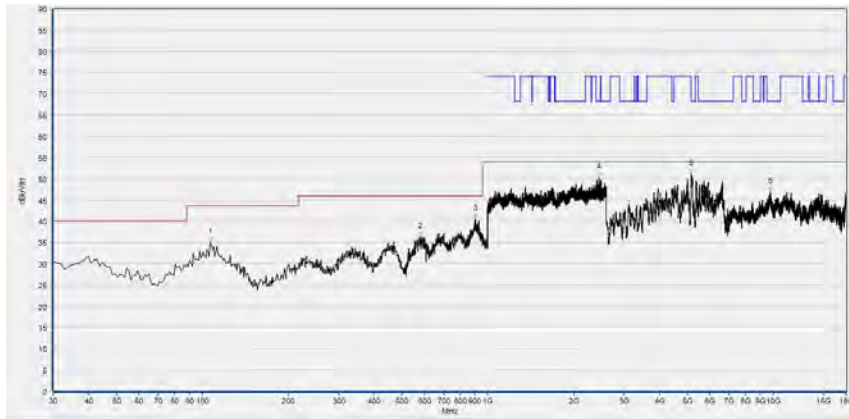
(Antenna Horizontal, 30MHz to 18GHz)



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	34.88	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
459.710	35.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
890.390	40.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1975.467	49.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5372.000	50.65	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11073.080	47.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

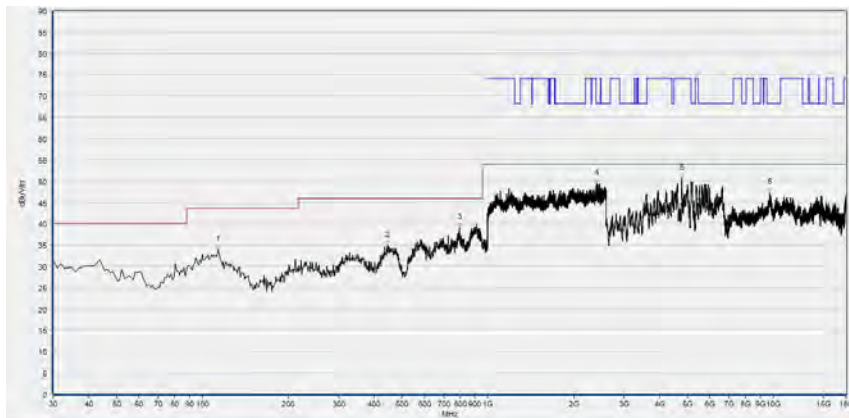
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 144



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	35.02	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
579.990	36.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
905.910	40.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2454.933	50.25	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5168.720	51.17	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9773.320	46.91	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

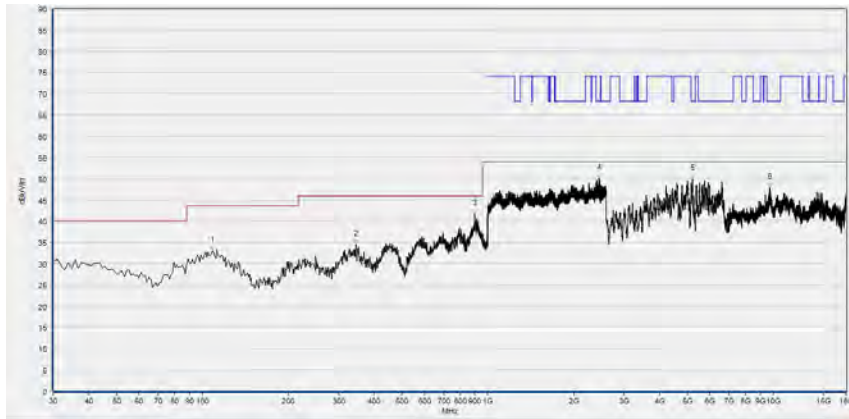
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
113.420	33.79	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
446.130	34.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
794.360	39.02	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2405.867	49.40	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4780.640	50.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9736.360	47.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

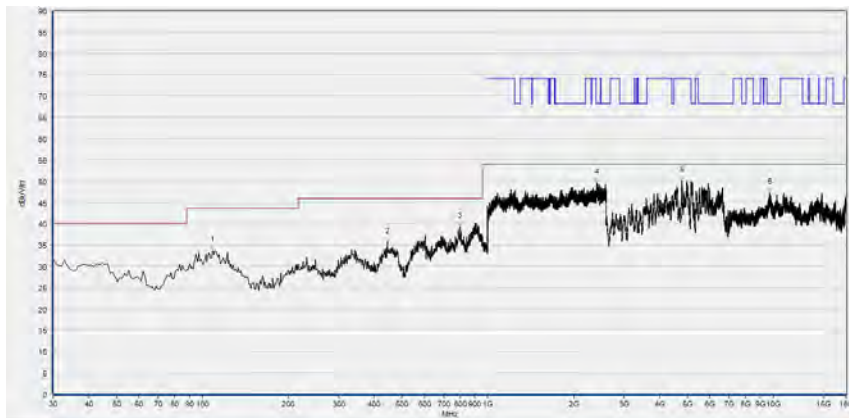
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	33.08	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
345.250	34.50	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
901.060	41.74	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.067	50.06	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5202.600	49.96	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9733.280	47.93	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

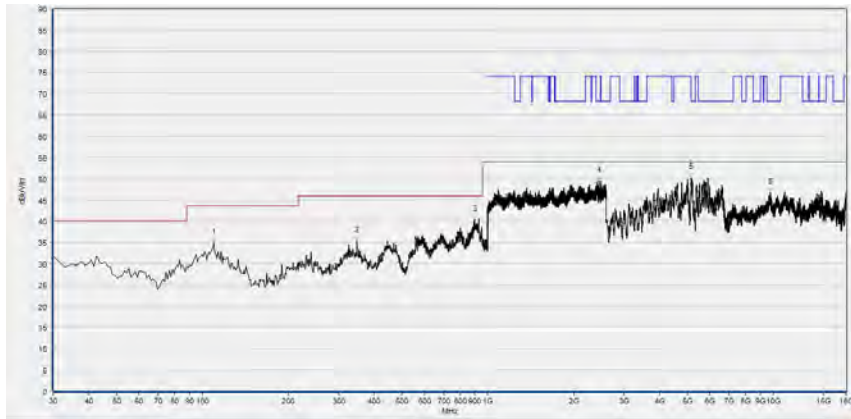
(Antenna Horizontal, 30MHz to 18GHz)



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	33.62	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
444.190	35.68	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
798.240	39.42	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2404.267	49.64	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4792.960	50.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9720.960	47.32	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

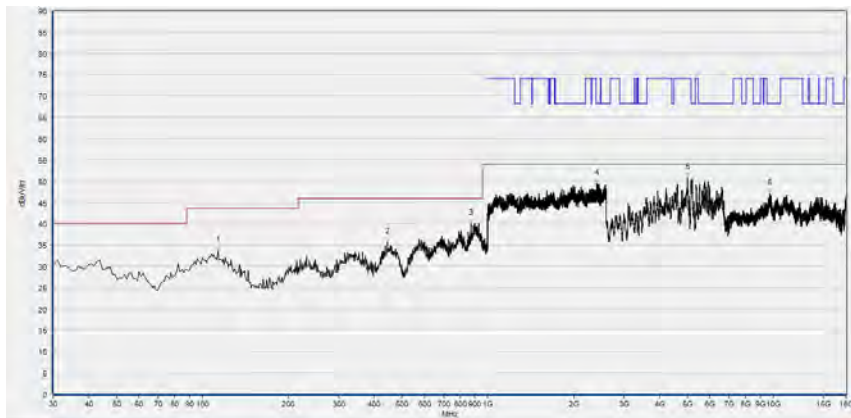
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	34.84	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
348.160	35.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
900.090	40.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2455.467	49.39	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5165.640	50.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9751.760	46.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

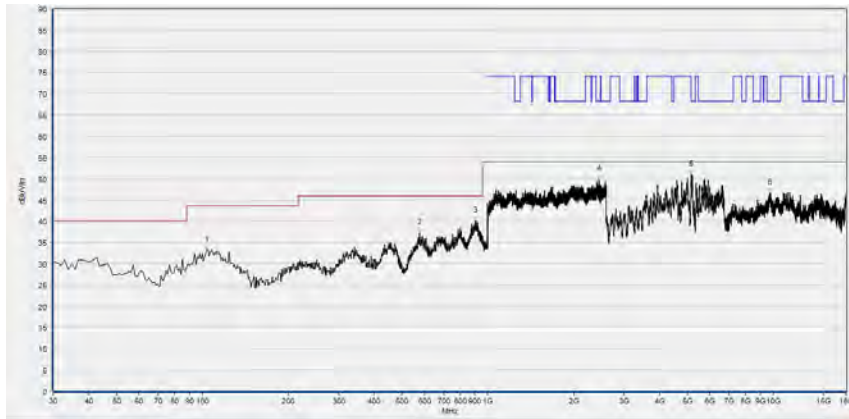
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
113.420	33.66	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
444.190	35.76	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
873.900	40.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2412.800	49.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4999.320	50.77	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9739.440	47.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

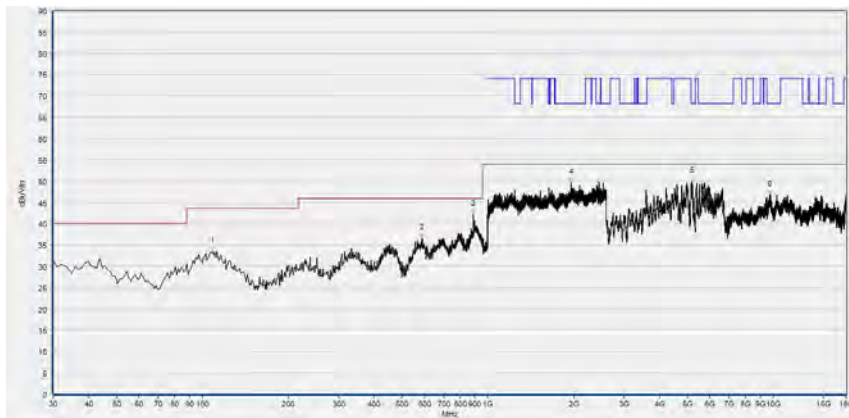
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.720	33.22	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
576.110	37.13	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.030	40.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2452.800	49.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5168.720	50.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9742.520	46.62	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

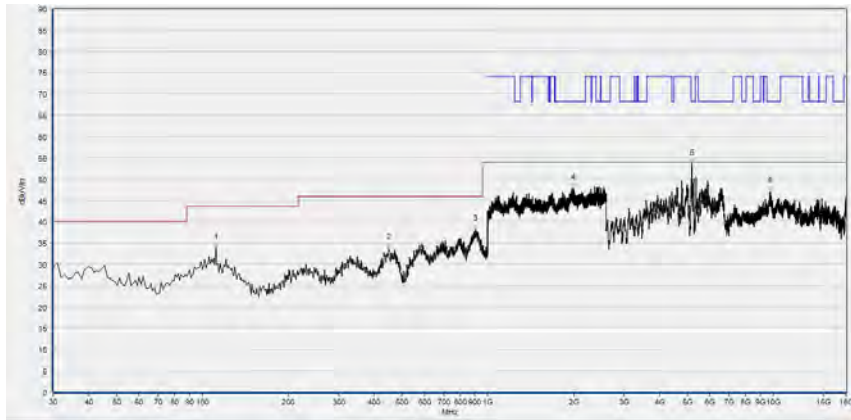


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	33.45	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
587.750	36.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
890.390	42.25	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1954.667	49.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5196.440	50.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9714.800	46.75	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

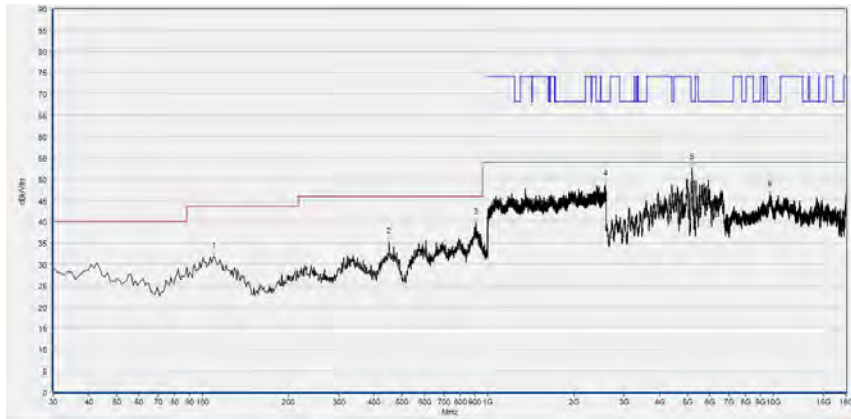
802.11n (HT40) mode

Plot for Channel 38



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
111.480	33.81	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
450.010	33.80	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
903.970	38.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1995.200	47.90	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5193.360	53.63	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9767.160	47.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

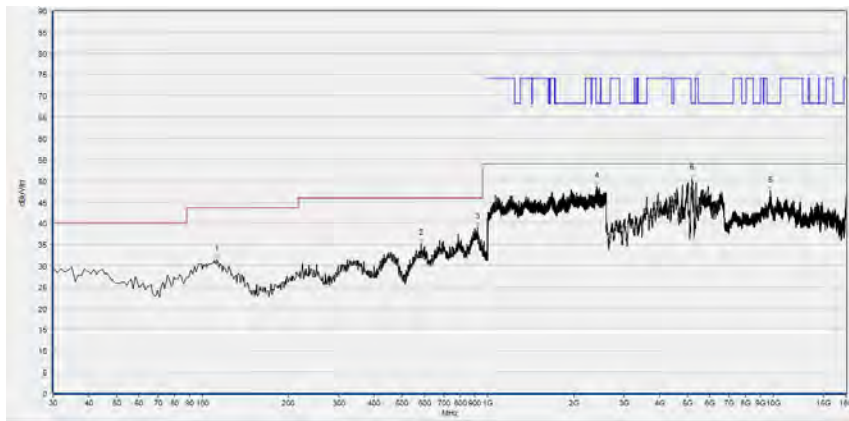
(Antenna Horizontal, 30MHz to 18GHz)



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
109.540	31.80	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
450.980	35.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
908.820	39.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2580.267	48.75	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5193.360	52.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9736.360	46.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

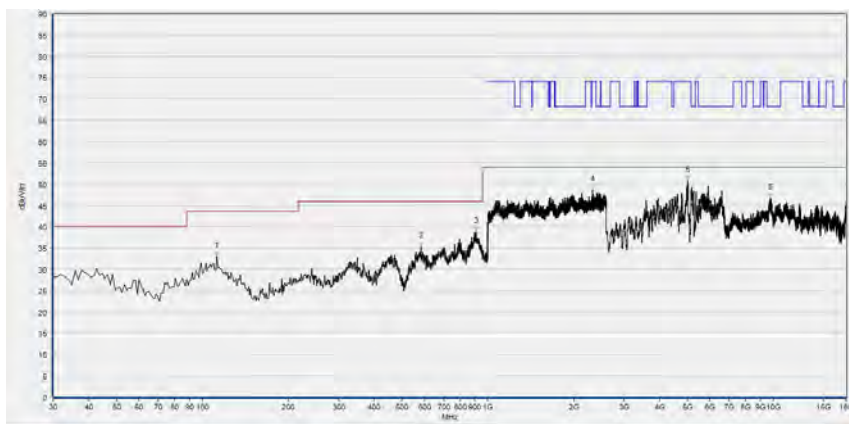
(Antenna Vertical, 30MHz to 18GHz)

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
112.450	31.38	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
582.900	35.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
921.430	39.02	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2413.867	48.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5196.440	50.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9773.320	47.62	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

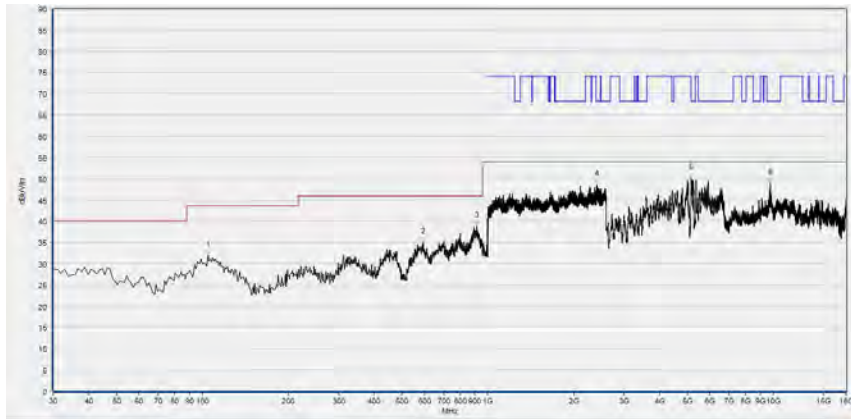
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.450	33.03	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
581.930	35.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
909.790	38.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2320.533	48.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5020.880	50.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9767.160	46.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

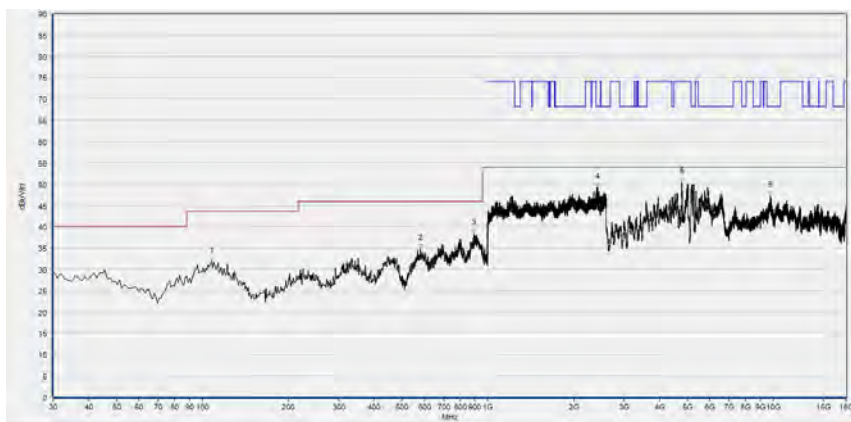
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 54



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
104.690	32.04	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
594.540	35.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
914.640	38.80	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2413.333	48.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5165.640	50.15	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9761.000	48.93	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

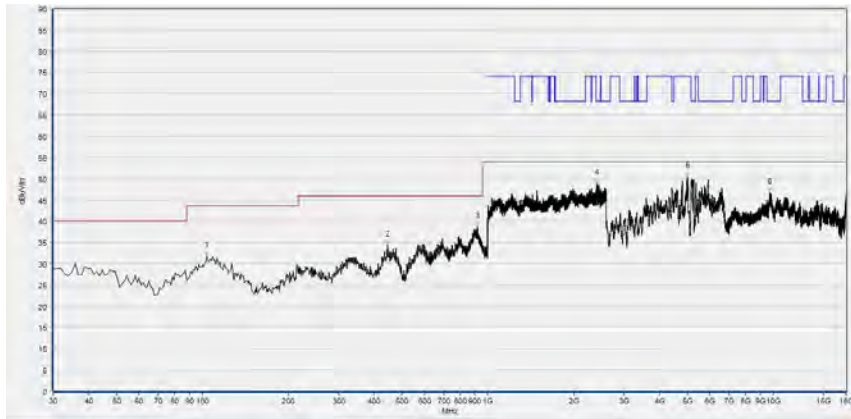
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
107.600	31.91	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
579.990	34.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
896.210	38.46	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2416.533	49.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4780.640	50.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9785.640	47.24	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

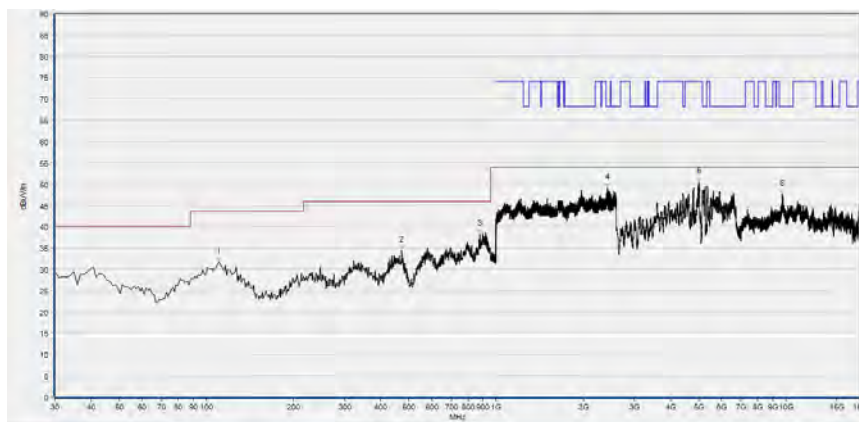
(Antenna Vertical, 30MHz to 18GHz)

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
103.720	31.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
446.130	34.42	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
920.460	38.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2404.800	48.90	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5017.800	50.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9736.360	46.68	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

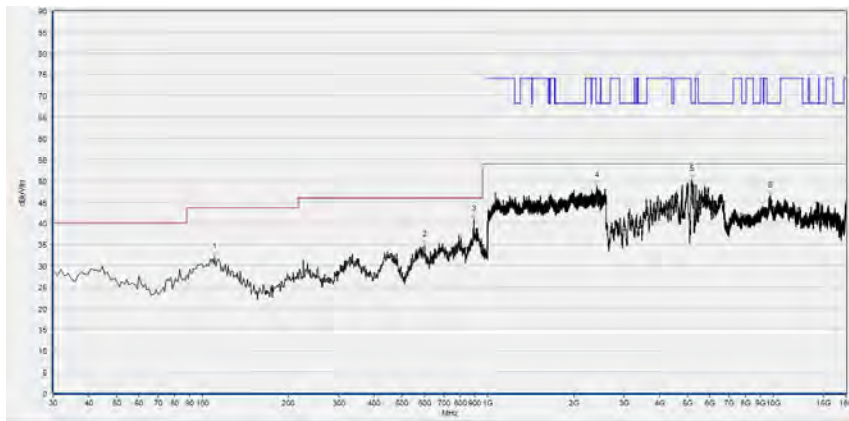
(Antenna Horizontal, 30MHz to 18GHz)



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
110.510	31.72	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
472.320	34.40	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
880.690	38.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2418.133	49.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4999.320	50.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9739.440	47.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

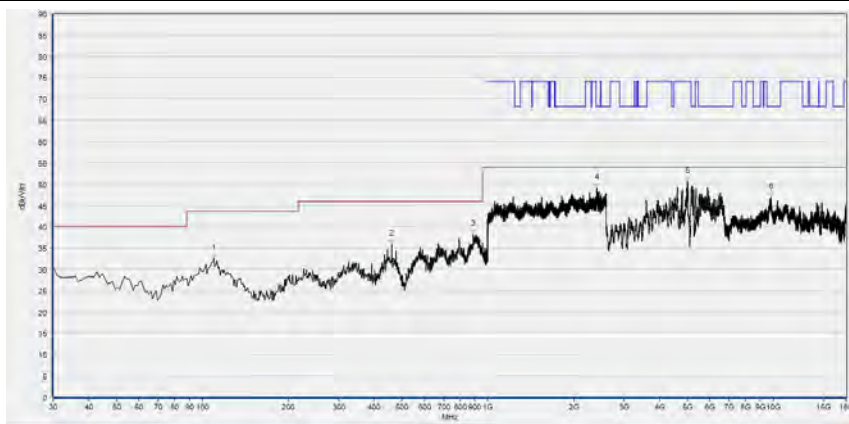
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	32.07	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
600.360	34.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
892.330	40.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2408.533	48.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5171.800	50.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9754.840	46.37	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

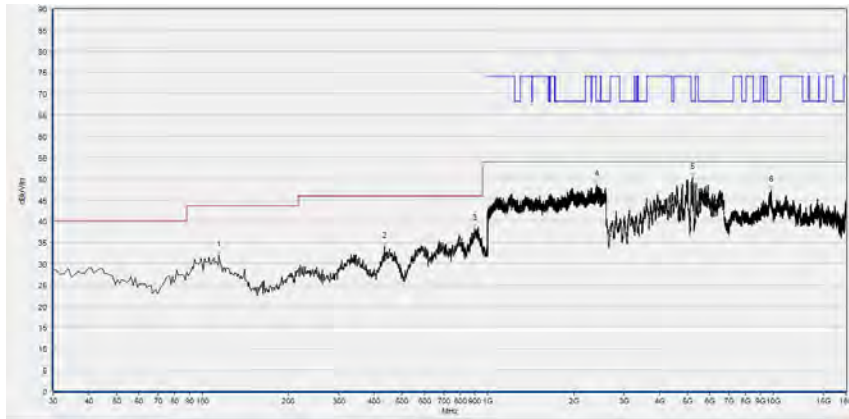
(Antenna Horizontal, 30MHz to 18GHz)



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	32.52	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
460.680	35.95	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
889.420	38.26	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2407.467	49.15	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5014.720	50.65	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9819.520	46.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

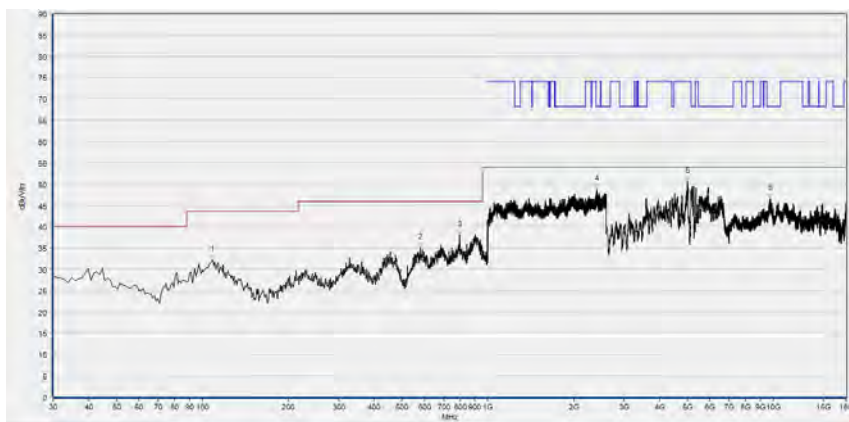
(Antenna Vertical, 30MHz to 18GHz)

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
114.390	32.02	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
434.490	33.94	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
899.120	38.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2402.133	48.65	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5202.600	50.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9831.840	47.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

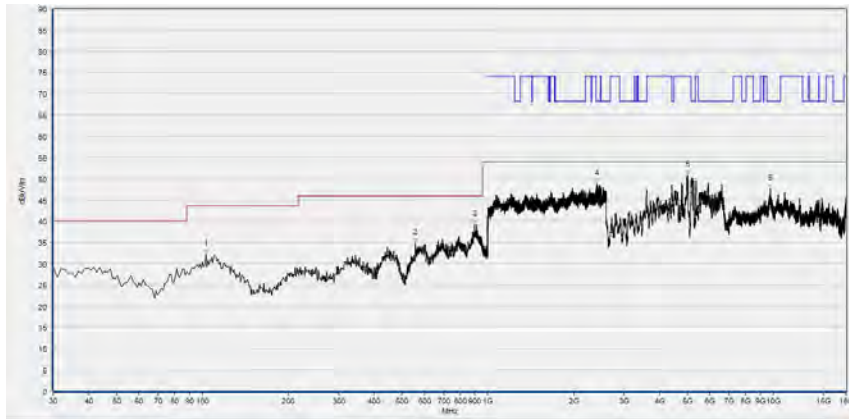
(Antenna Horizontal, 30MHz to 18GHz)



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	32.23	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
579.990	35.08	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
797.270	38.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2408.000	48.84	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5005.480	50.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9754.840	46.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

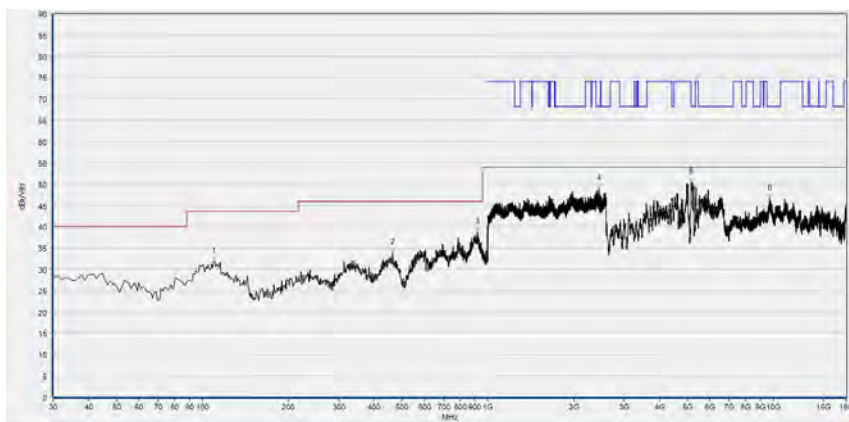
(Antenna Vertical, 30MHz to 18GHz)

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
102.750	32.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
556.710	34.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
900.090	39.18	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2408.533	48.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4999.320	50.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9751.760	47.64	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

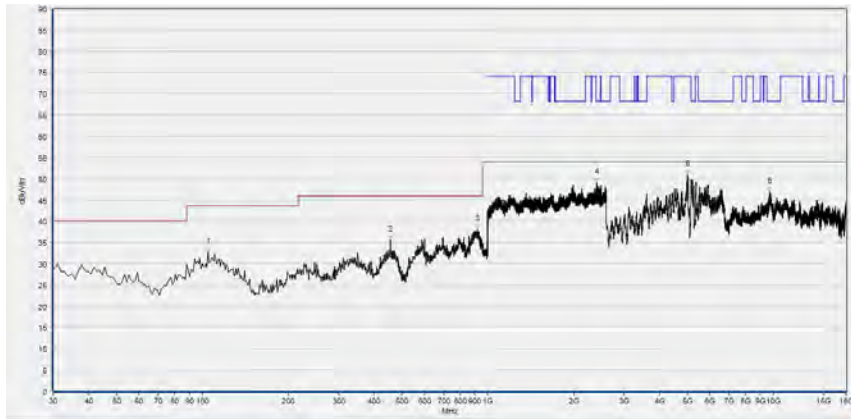
(Antenna Horizontal, 30MHz to 18GHz)



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	31.82	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
464.560	33.93	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
919.490	38.63	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2448.000	48.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5168.720	50.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9736.360	46.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

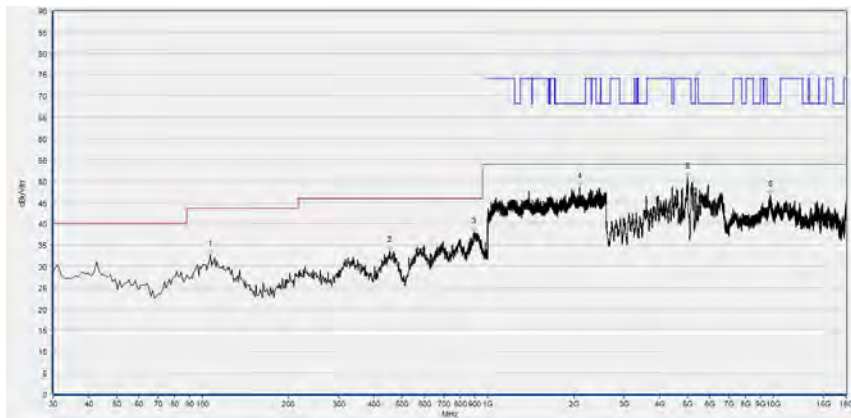
(Antenna Vertical, 30MHz to 18GHz)

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
104.690	32.65	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
455.830	35.54	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
920.460	38.02	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2414.933	49.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5008.560	50.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9739.440	46.93	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

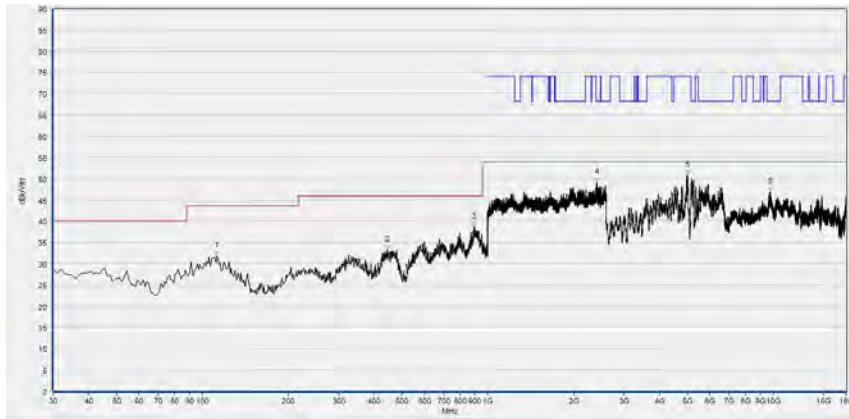
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	32.62	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
451.950	33.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
896.210	37.99	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2092.800	48.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5002.400	50.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9770.240	46.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

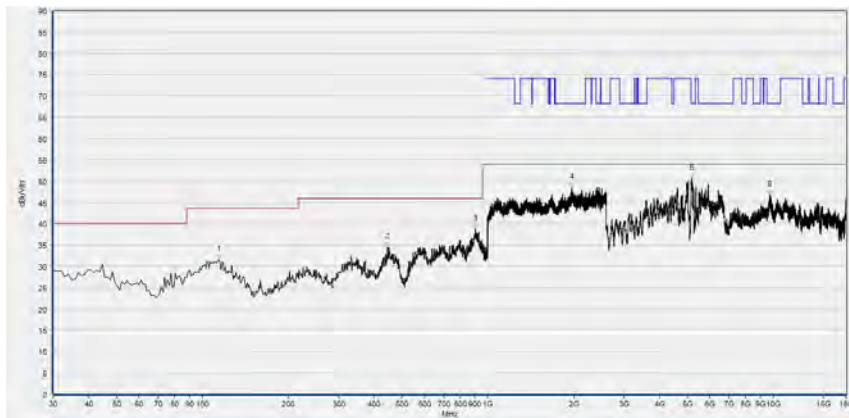
(Antenna Vertical, 30MHz to 18GHz)

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
112.450	31.92	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
444.190	33.24	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
896.210	38.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2404.800	49.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5008.560	50.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9745.600	46.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



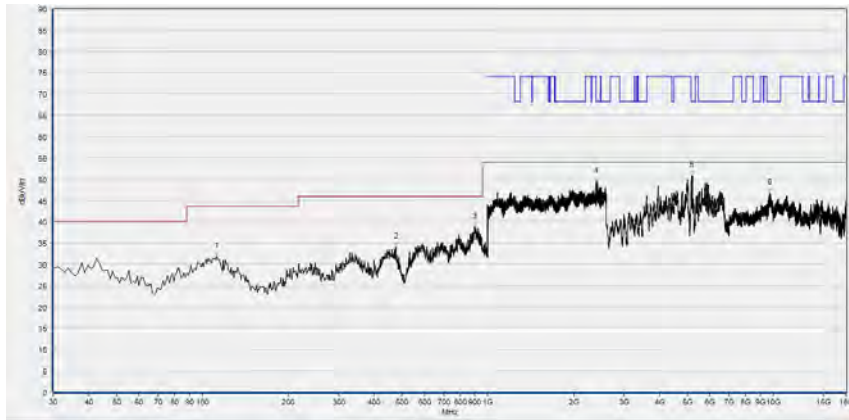
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
114.390	31.47	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
445.160	34.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
903.970	38.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1966.933	48.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5174.880	50.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9742.520	46.84	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



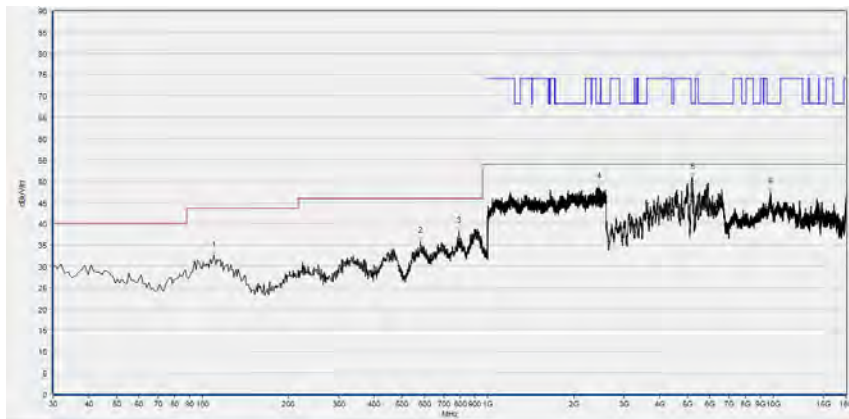
802.11ac (VHT80) Mode

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
112.450	31.88	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
476.200	33.96	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
898.150	38.79	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2401.600	49.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5184.120	50.84	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9742.520	46.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

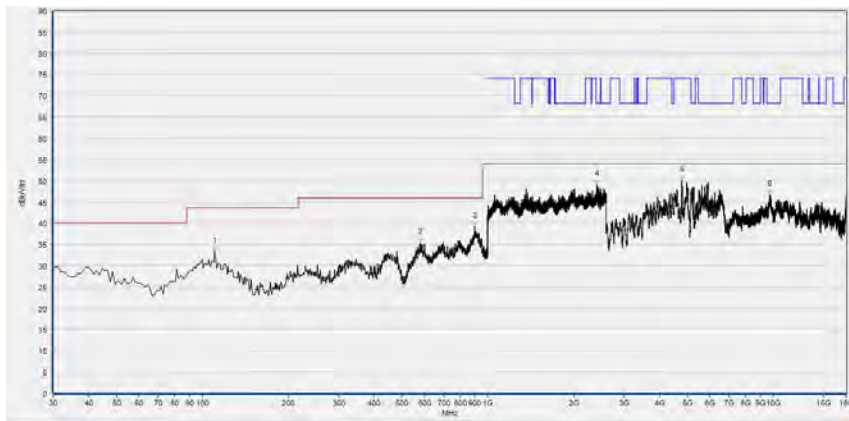
(Antenna Horizontal, 30MHz to 18GHz)



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	32.44	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
580.960	35.79	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
793.390	38.23	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2454.933	48.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5199.520	50.80	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9751.760	47.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

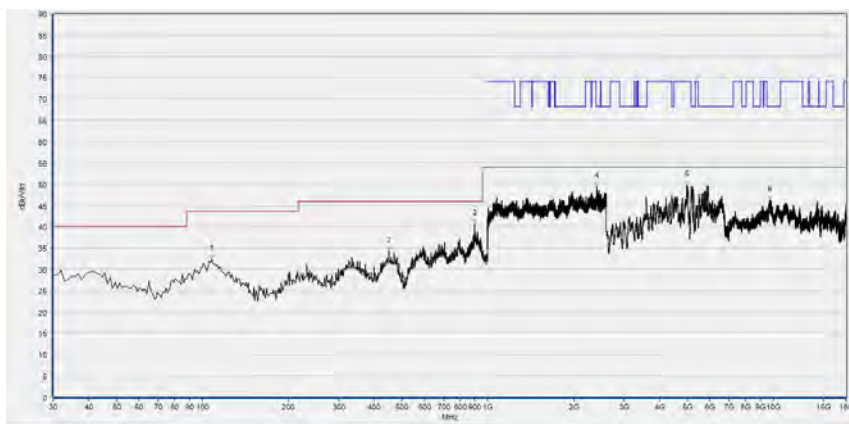
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 58



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	33.41	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
580.960	35.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
900.090	39.21	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2410.133	49.15	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4777.560	50.15	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9727.120	46.83	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

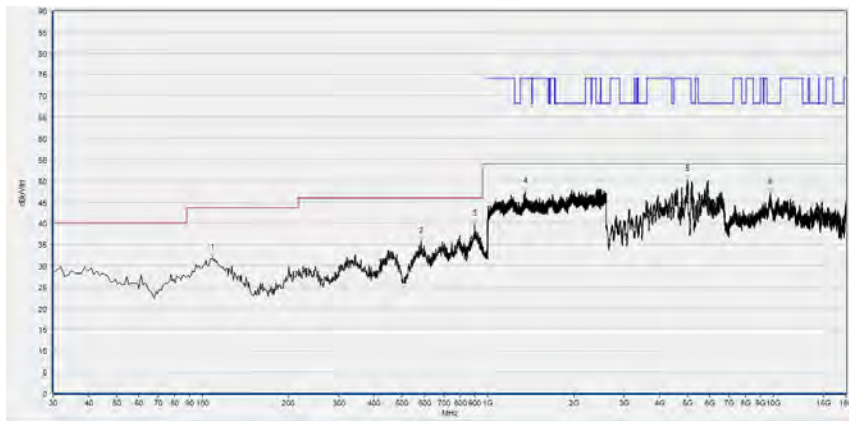
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	32.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
450.010	34.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
898.150	40.69	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2409.067	49.44	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4987.000	49.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9736.360	46.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

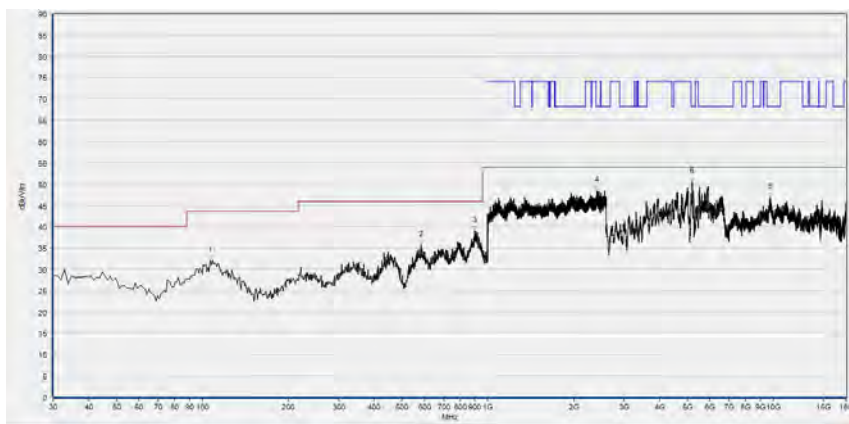
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 106



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	31.80	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
583.870	35.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
898.150	39.64	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1352.533	47.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4999.320	50.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9751.760	47.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

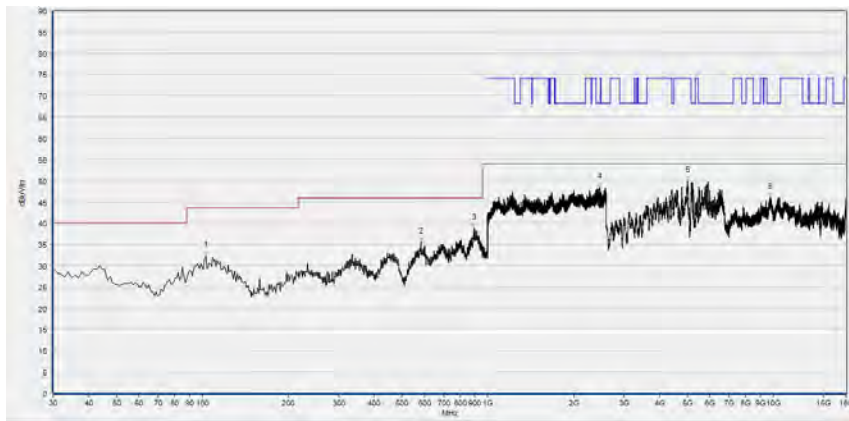
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	31.96	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
582.900	35.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.120	39.00	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2413.333	48.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5196.440	50.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9751.760	47.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

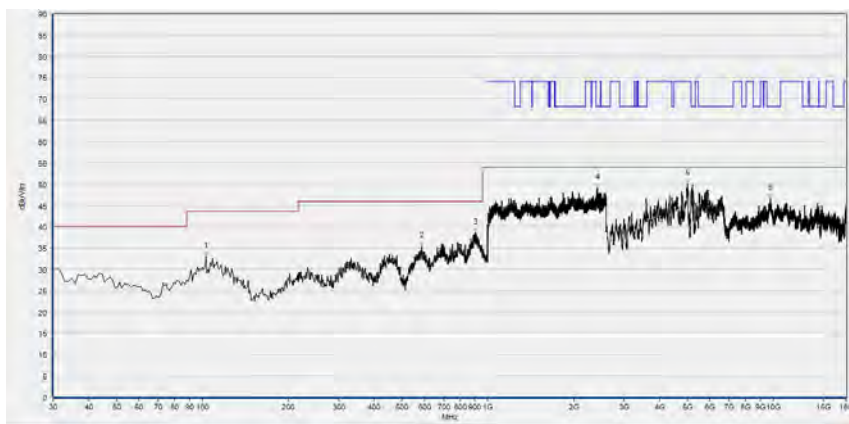
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 122



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
102.750	32.36	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
581.930	35.52	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
892.330	38.81	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2458.667	48.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4999.320	49.97	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9757.920	46.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

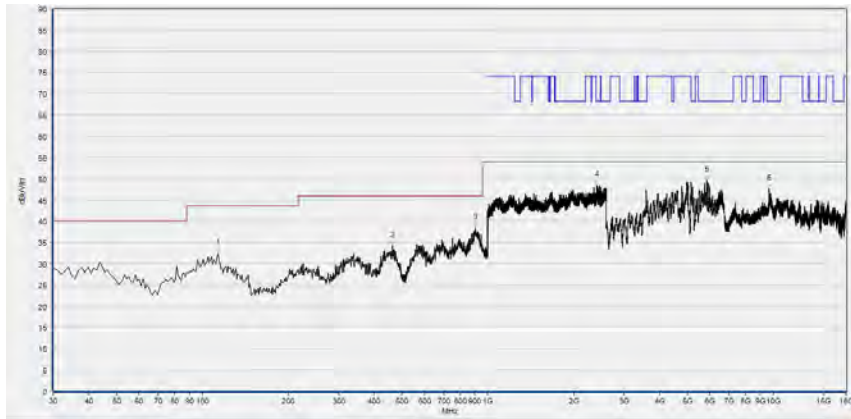
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
102.750	33.09	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
586.780	35.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
902.030	38.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2416.000	49.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4999.320	50.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9761.000	46.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

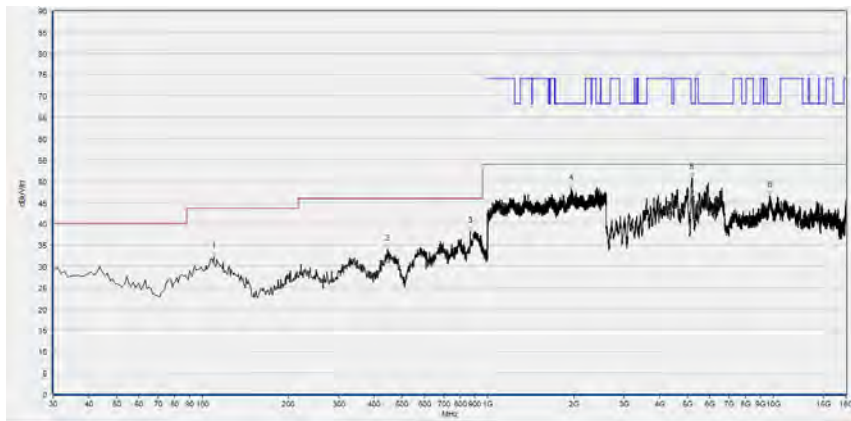
(Antenna Vertical, 30MHz to 18GHz)

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
113.420	32.27	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
462.620	34.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
903.970	38.38	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2411.200	48.41	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5852.480	49.57	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9687.080	47.63	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

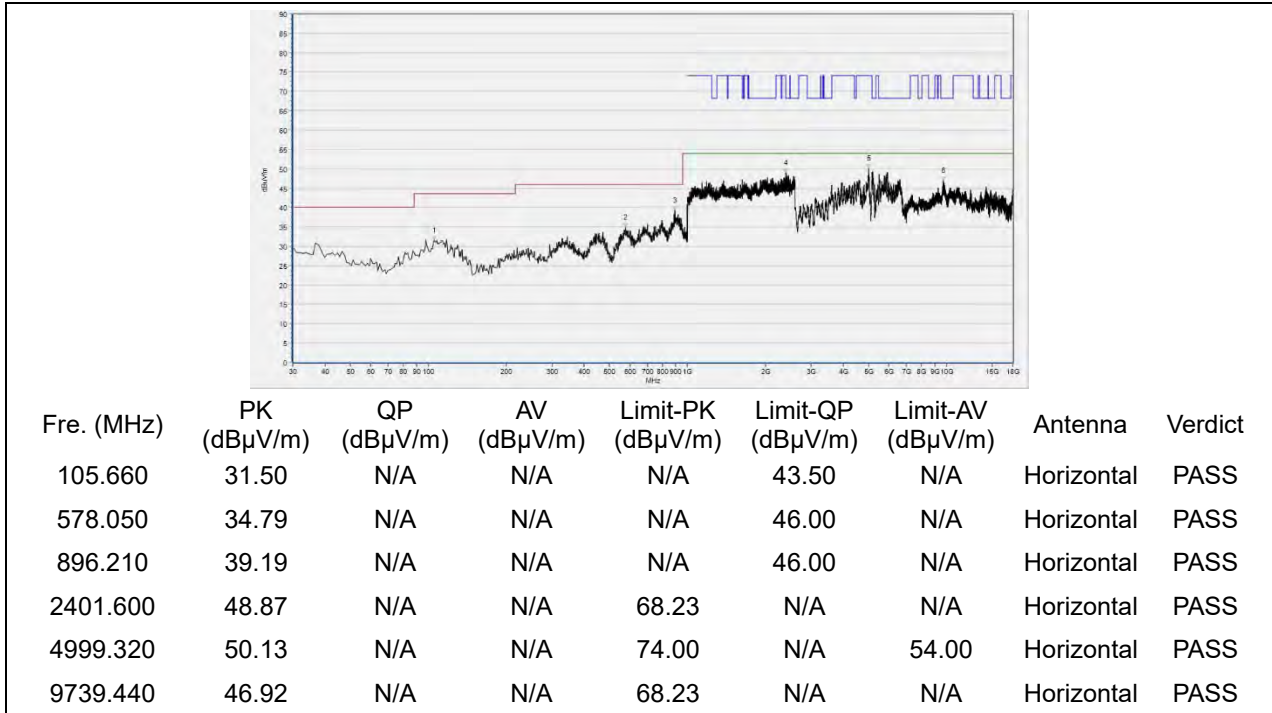
(Antenna Horizontal, 30MHz to 18GHz)



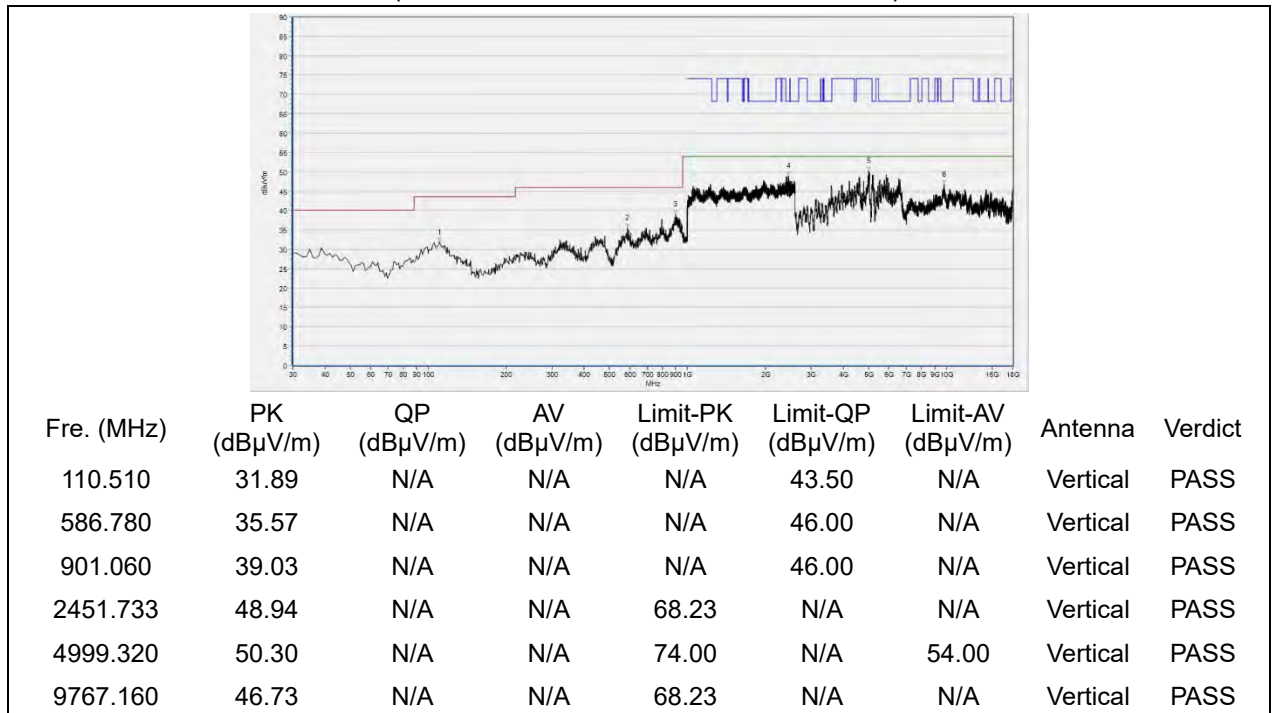
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	32.22	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
446.130	34.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
869.050	38.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1955.200	48.24	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5174.880	50.78	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9705.560	46.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 155



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

— END OF REPORT —