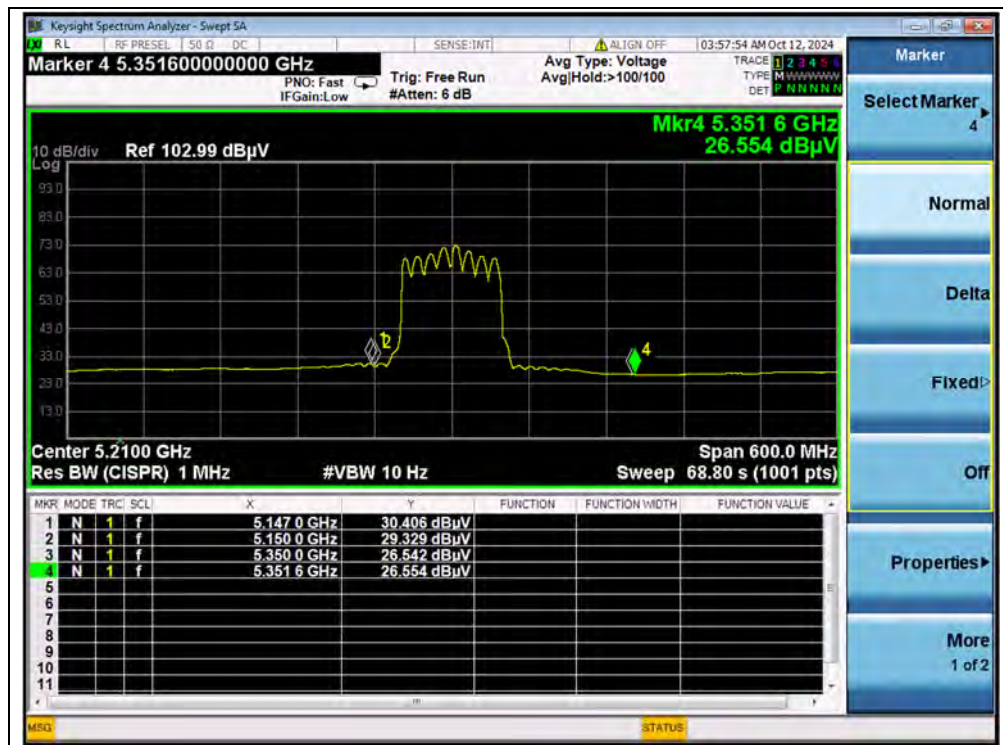
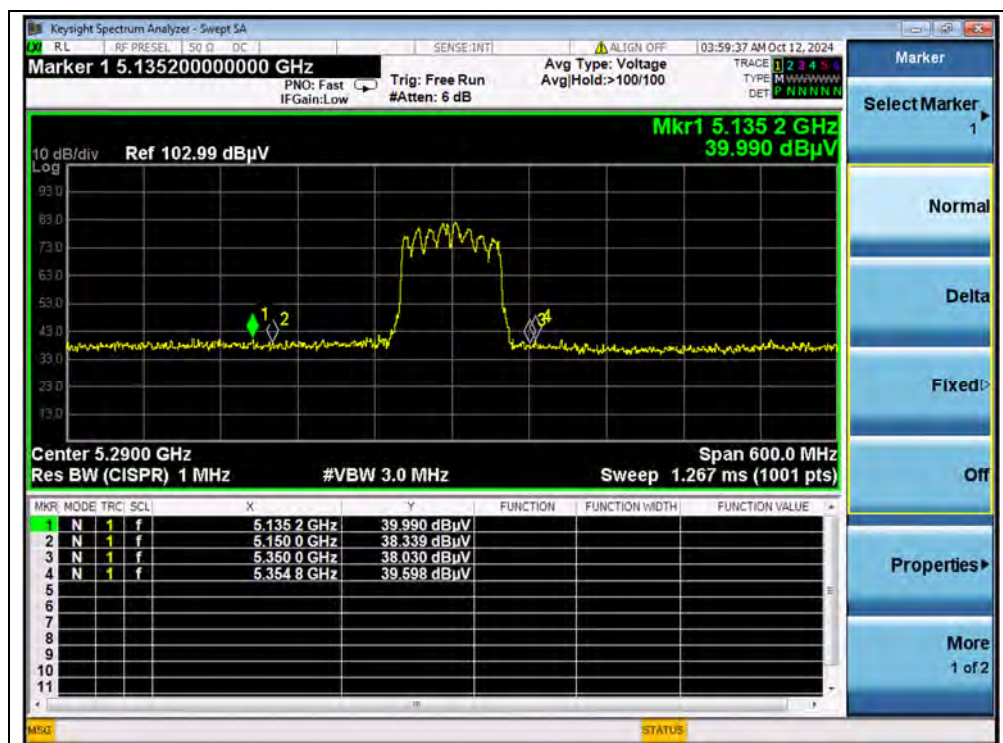
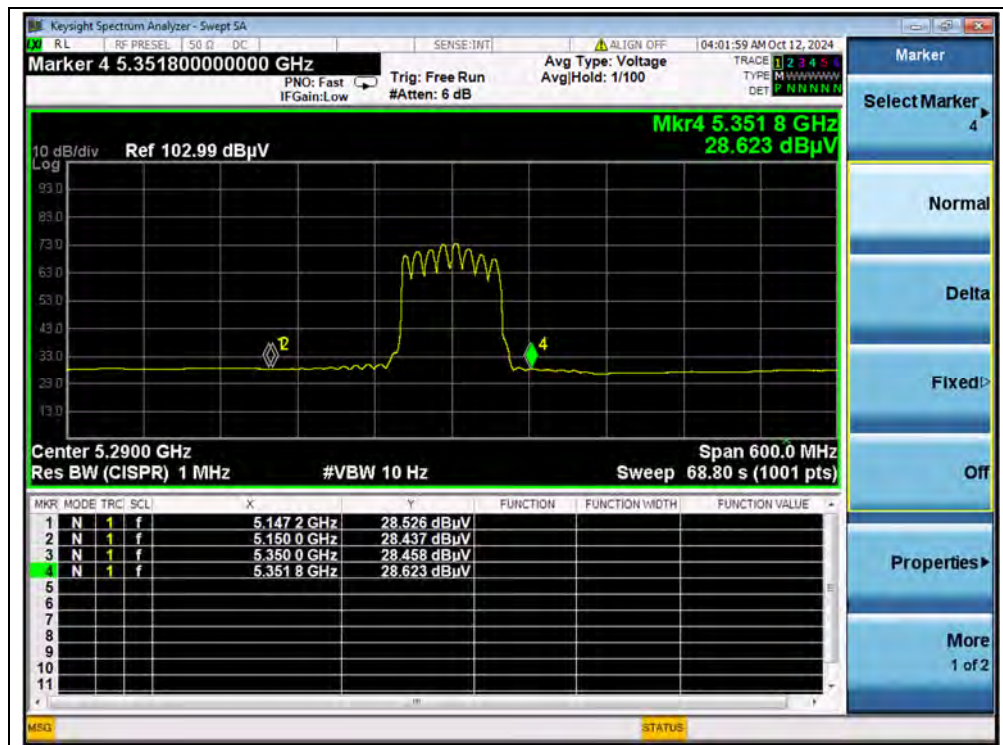




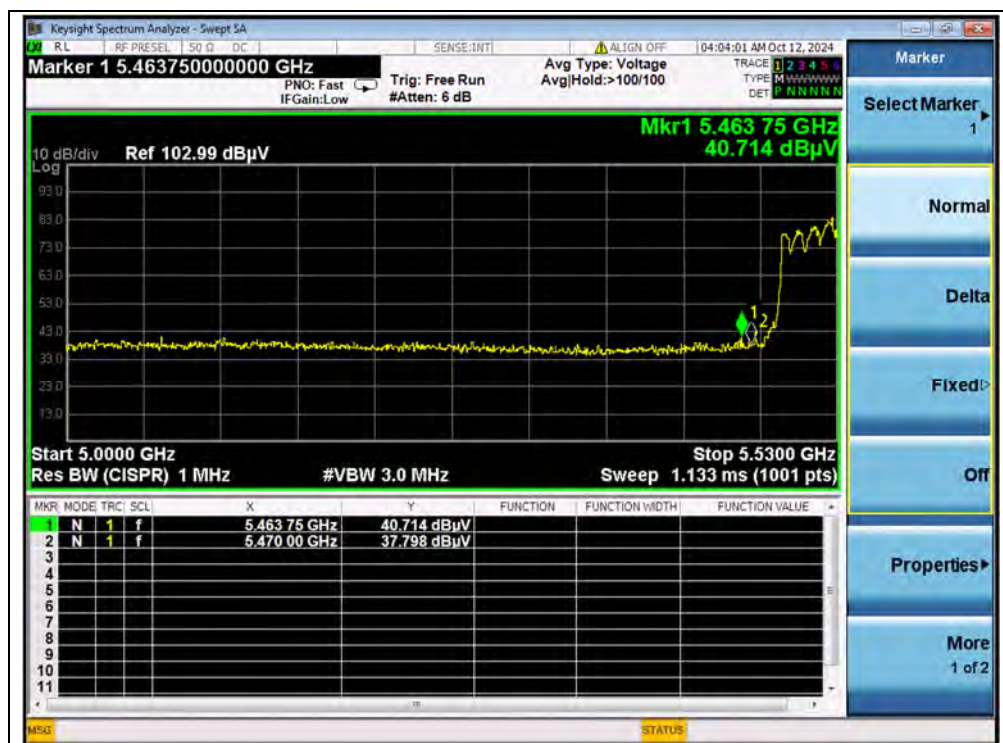
(AVERAGE, Channel 42, 802.11ac (VHT80))



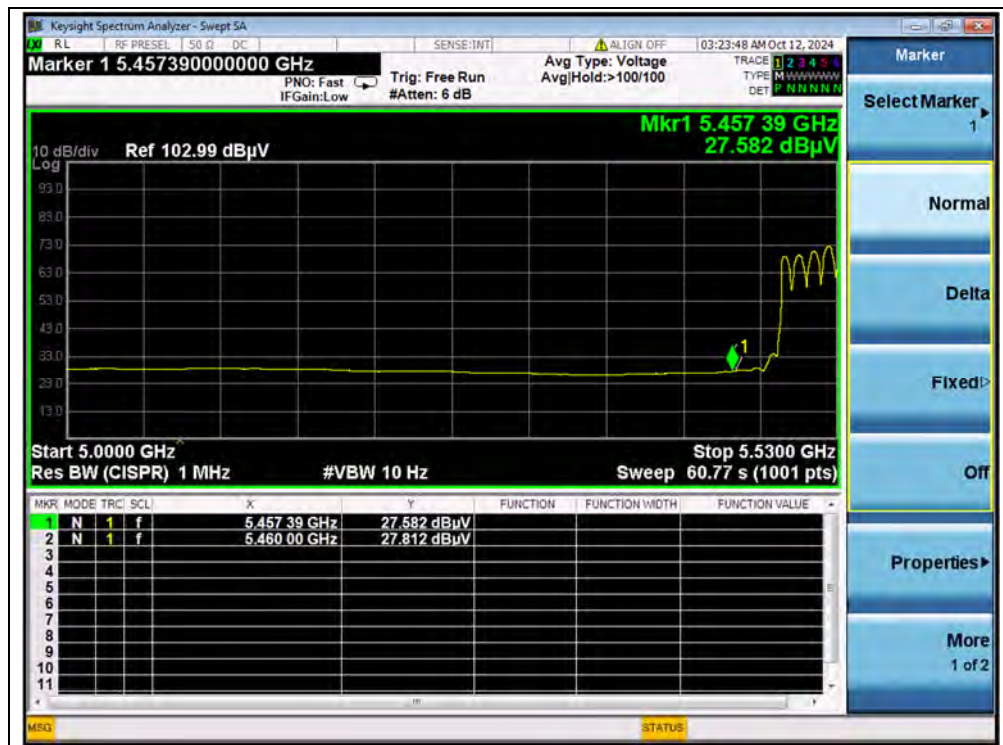
(PEAK, Channel 58, 802.11ac (VHT80))



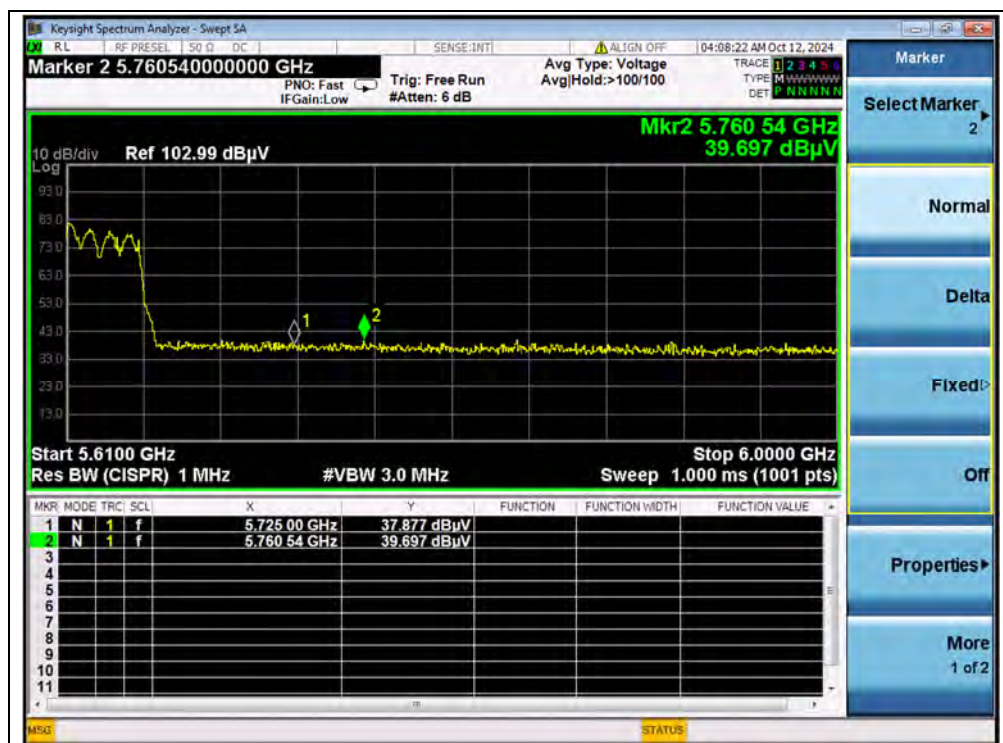
(AVERAGE, Channel 58, 802.11ac (VHT80))



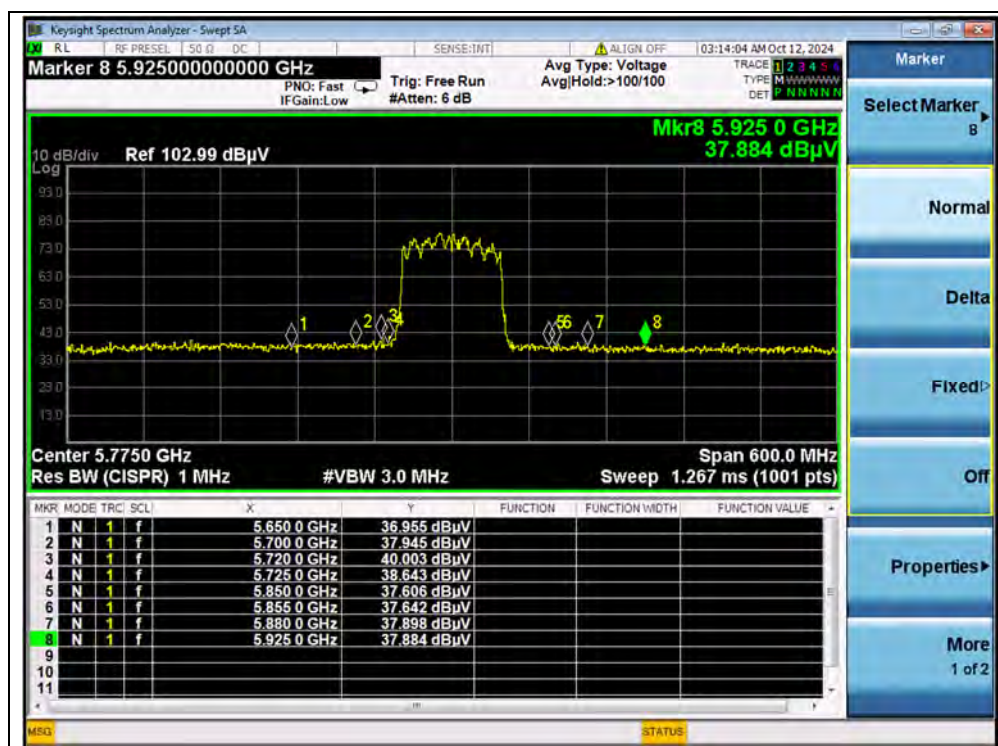
(PEAK, Channel 106, 802.11ac (VHT80))



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



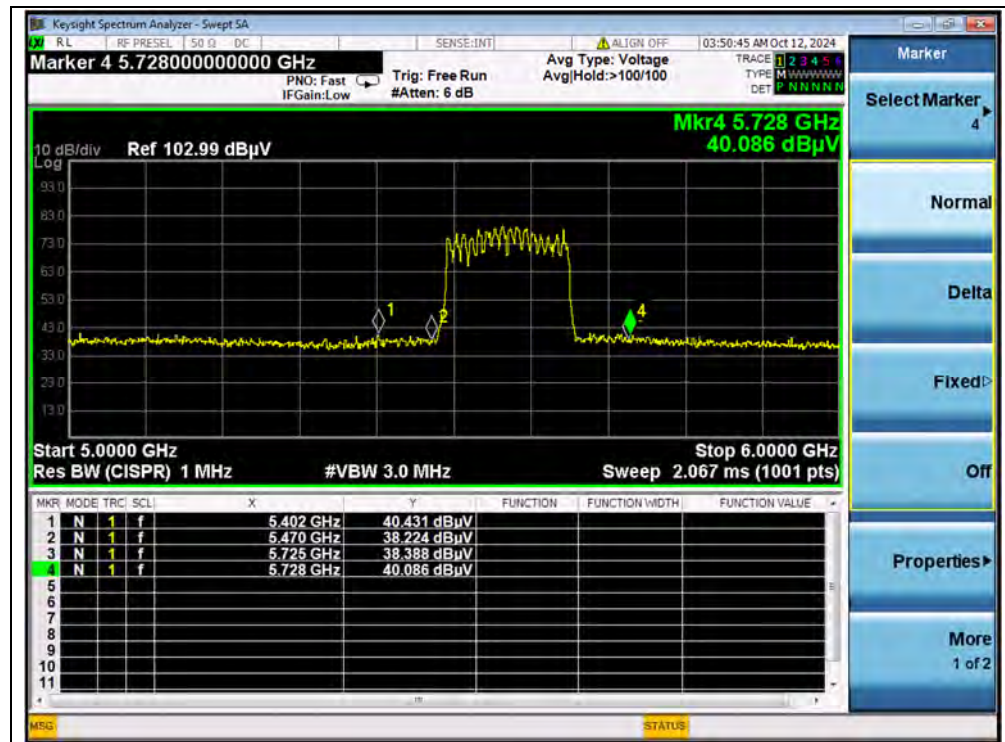
(PEAK, Channel 138, 802.11ac (VHT80))



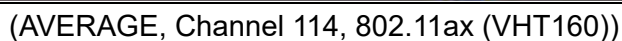
(PEAK, Channel 155, 802.11ac (VHT80))

**802.11ax (HEW160) Mode****A.Test Verdict:**

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
114	5402.00	PK	40.43	-16.00	33.60	58.03	74	PASS
114	5434.00	AV	29.31	-16.00	33.60	46.91	54	PASS
114	5728.00	PK	40.09	-14.70	33.50	58.89	74	PASS
114	5732.00	AV	29.64	-14.70	33.50	48.44	54	PASS

B.Test Plot:

(PEAK, Channel 114, 802.11ax (VHT160))





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 (X 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.

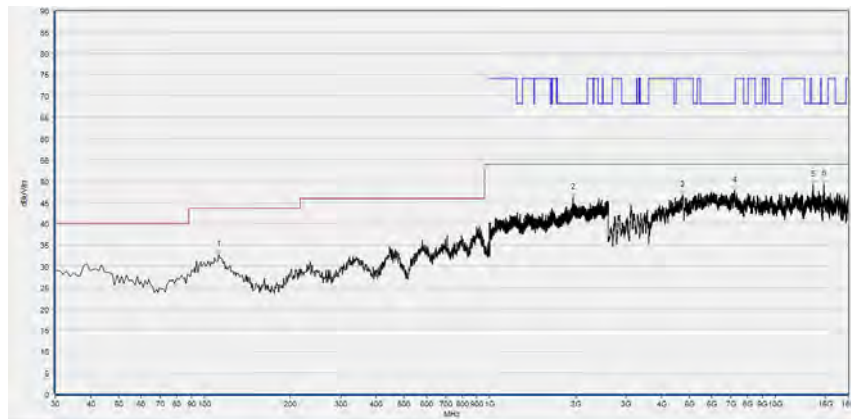
Field strength of fundamental:

Frequency (MHz)	Reading_Peak (dB μ V/m)	Antenna Factor (dB)	Path Loss (dB)	Final_Peak (dB μ V/m)	Antenna Polarity
5291.2	78.13	33.10	-16.90	94.33	Horizontal

The field strength (the lowest) of fundamenta is more than 20dB higher than the unwanted emissions, in accordance with FCC part 15.215(b).

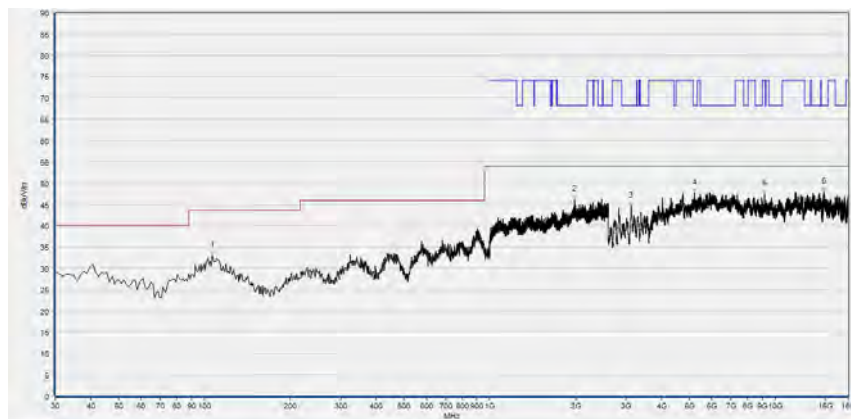
**802.11a Mode**

Plot for Channel 36



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.450	32.65	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1953.600	46.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4740.600	46.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7198.440	47.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13586.360	49.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14824.520	49.26	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

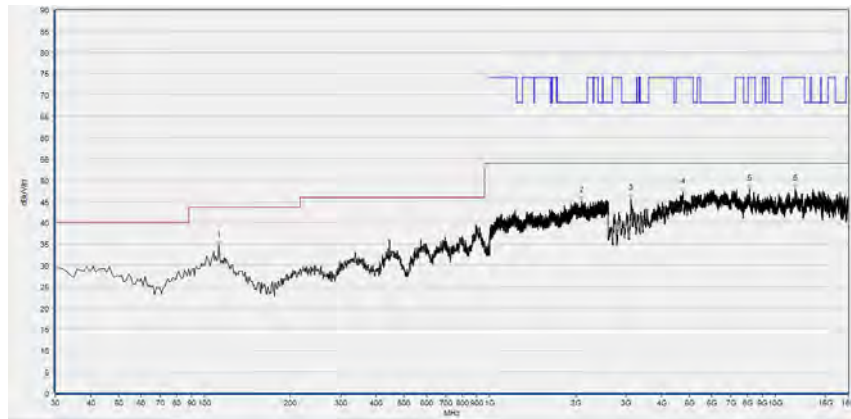
(Antenna Horizontal, 30MHz to 18GHz)



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	32.99	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1985.600	46.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3129.760	44.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5221.080	47.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9178.880	47.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14806.040	47.88	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

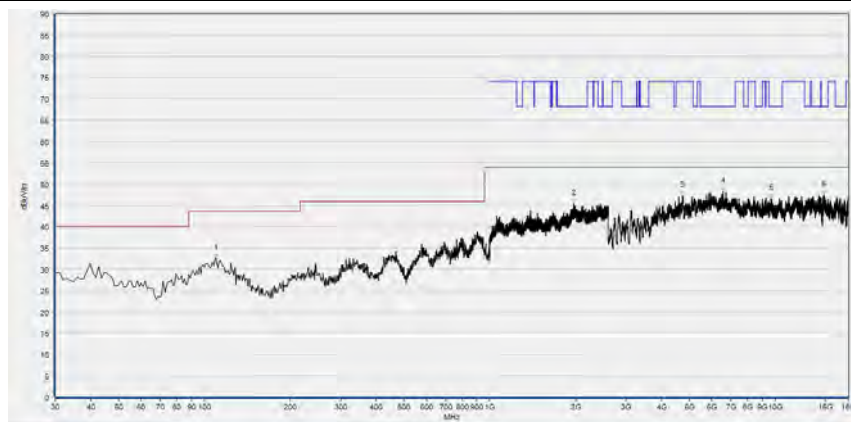
(Antenna Vertical, 30MHz to 18GHz)

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
112.450	34.65	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2103.467	45.04	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3120.520	45.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4756.000	47.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8107.040	47.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11747.600	47.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

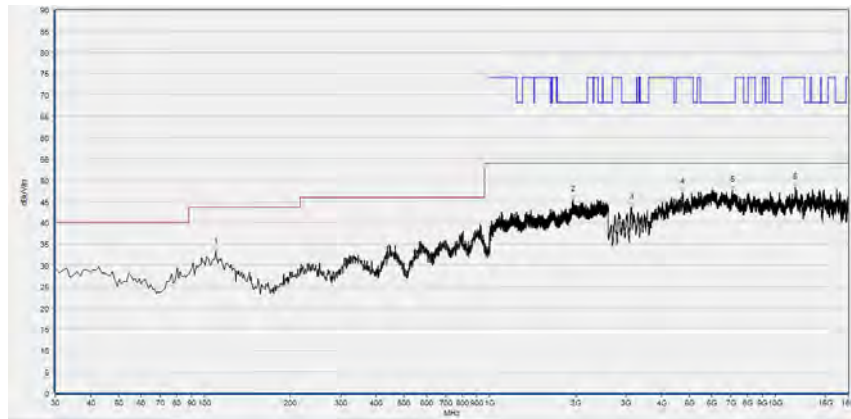
(Antenna Horizontal, 30MHz to 18GHz)



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	32.44	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1968.000	45.46	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4734.440	47.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6567.040	48.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9674.760	46.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14781.400	47.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

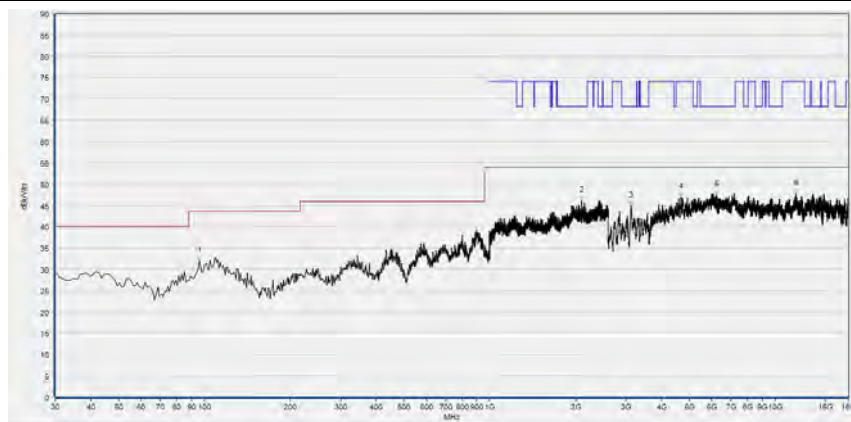
(Antenna Vertical, 30MHz to 18GHz)

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	33.11	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1953.600	45.49	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3132.840	43.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4728.280	47.17	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7059.840	47.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11784.560	48.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

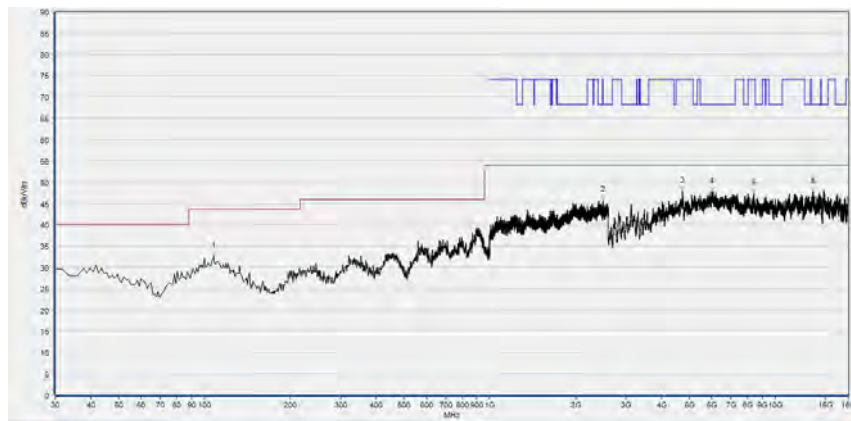


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
95.960	32.02	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2093.333	46.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3129.760	44.93	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4660.520	46.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6215.920	47.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11818.440	47.81	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

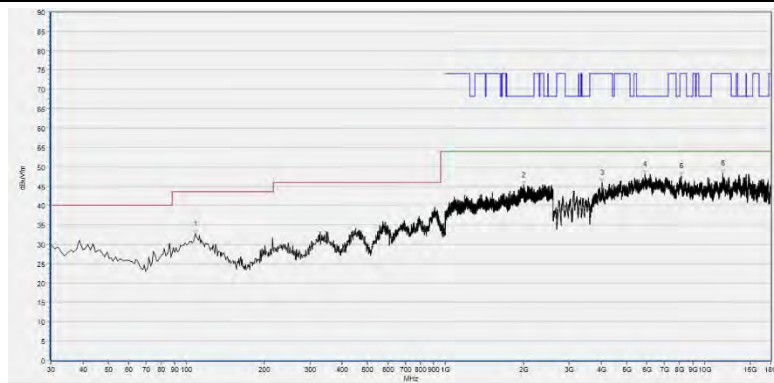


Plot for Channel 157



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
107.600	32.47	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2498.133	45.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4740.600	47.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5972.600	47.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8424.280	47.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13592.520	47.73	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	32.69	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2001.067	45.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4013.720	45.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5898.680	48.16	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8122.440	47.66	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11784.560	48.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT