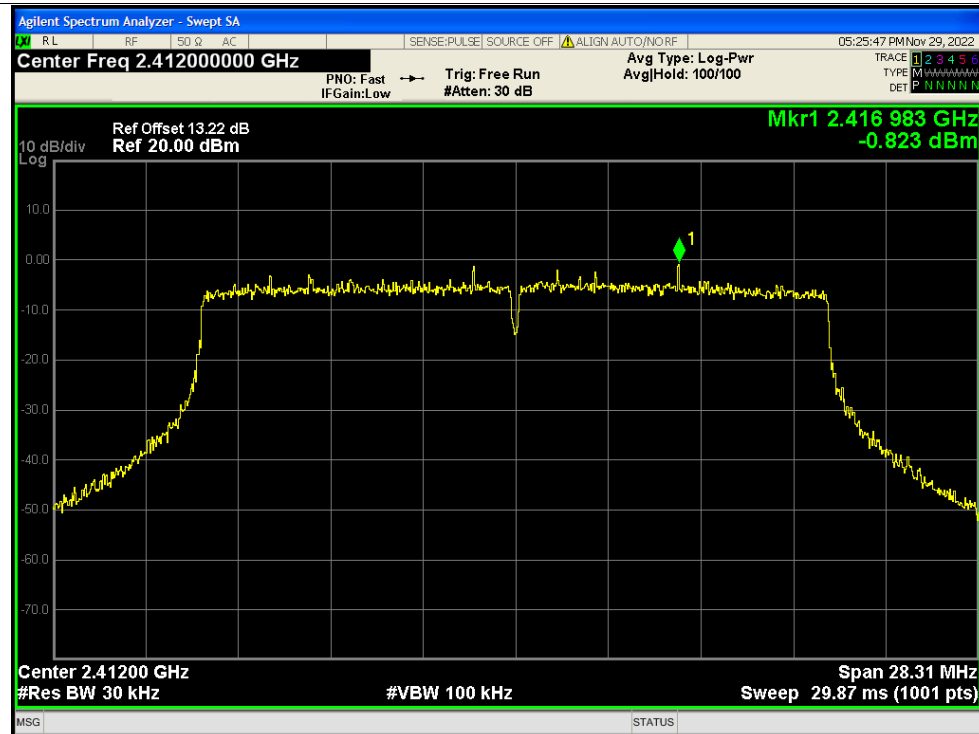
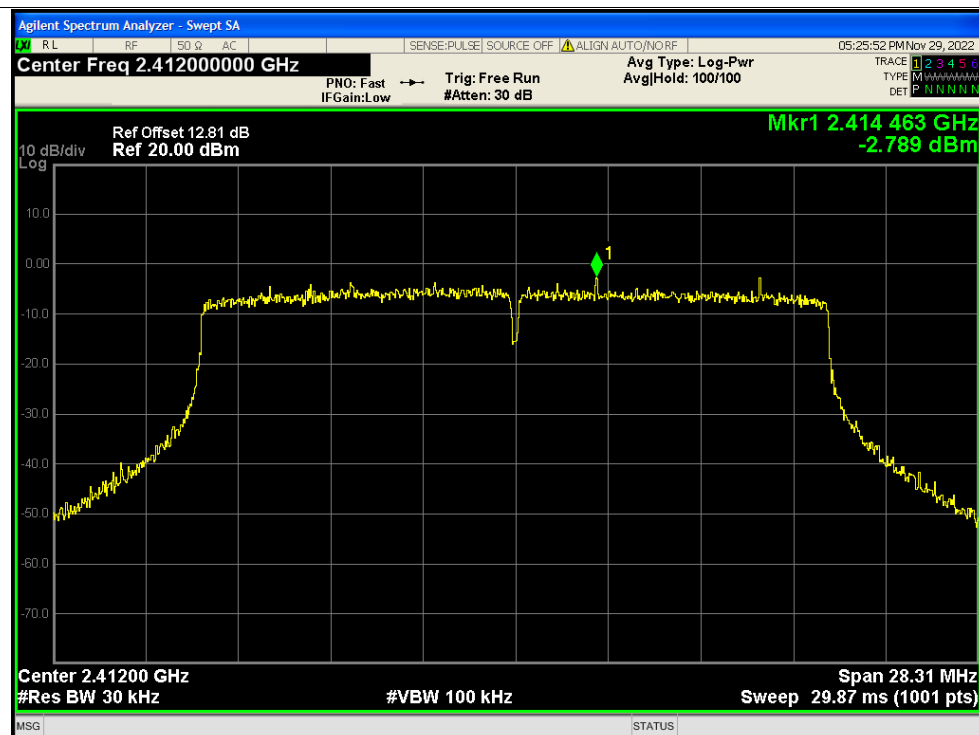




PSD NVNT ax20 2412MHz Ant1

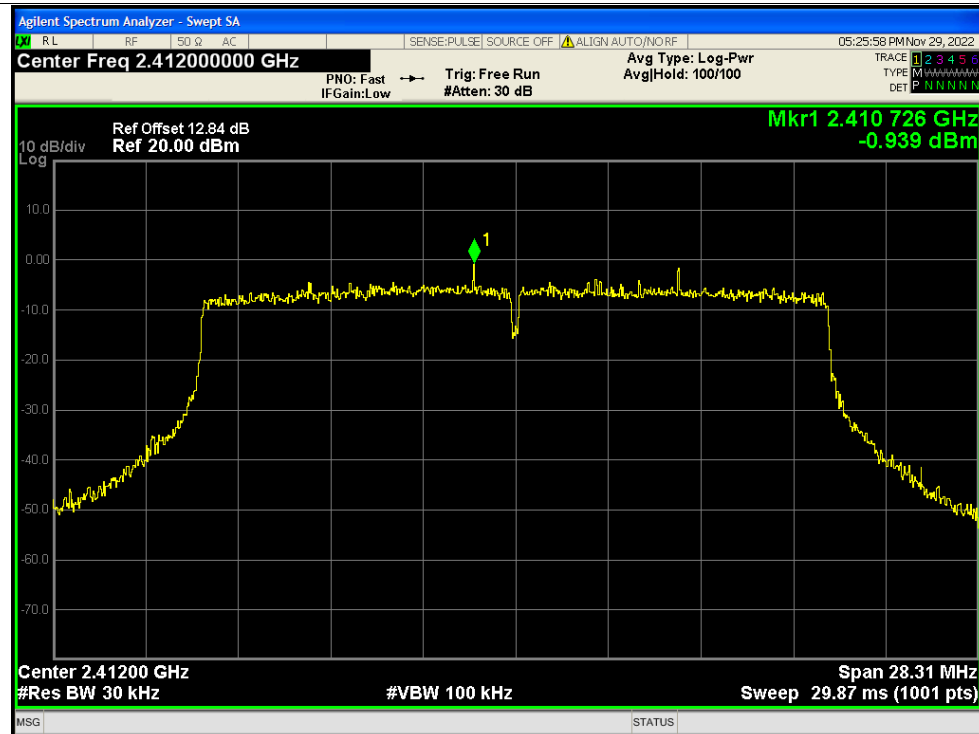


PSD NVNT ax20 2412MHz Ant2

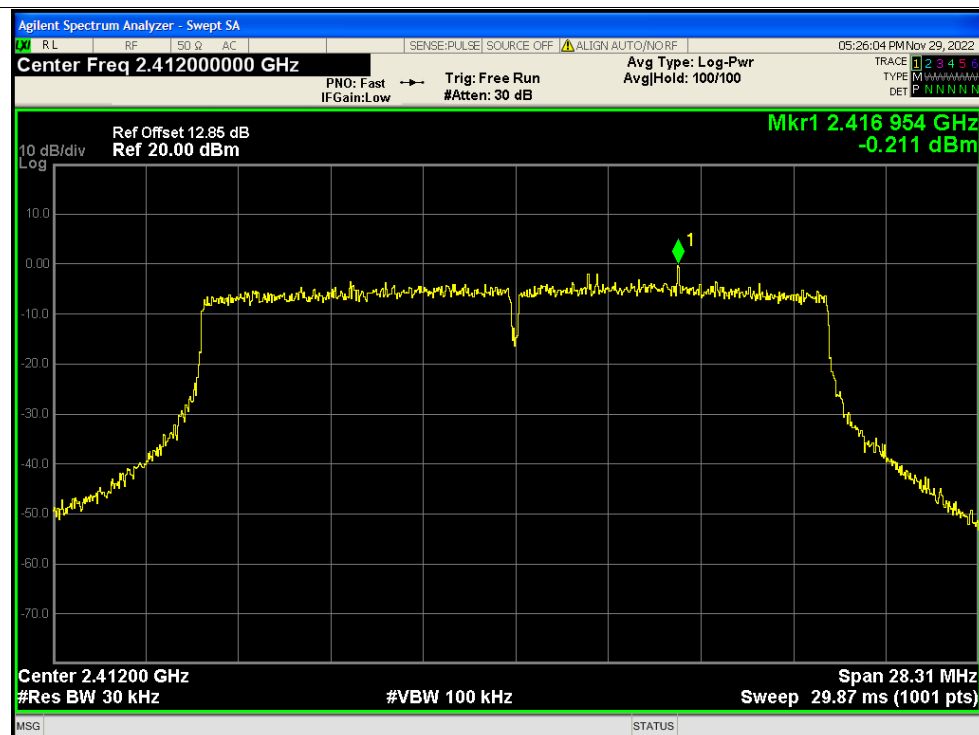




PSD NVNT ax20 2412MHz Ant3

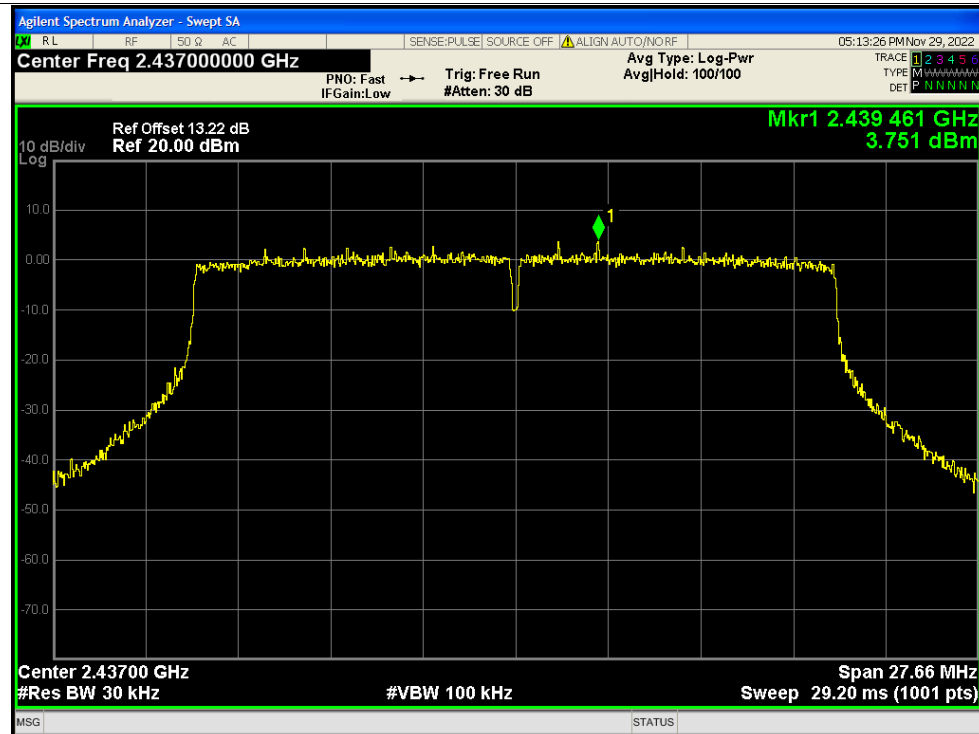


PSD NVNT ax20 2412MHz Ant4

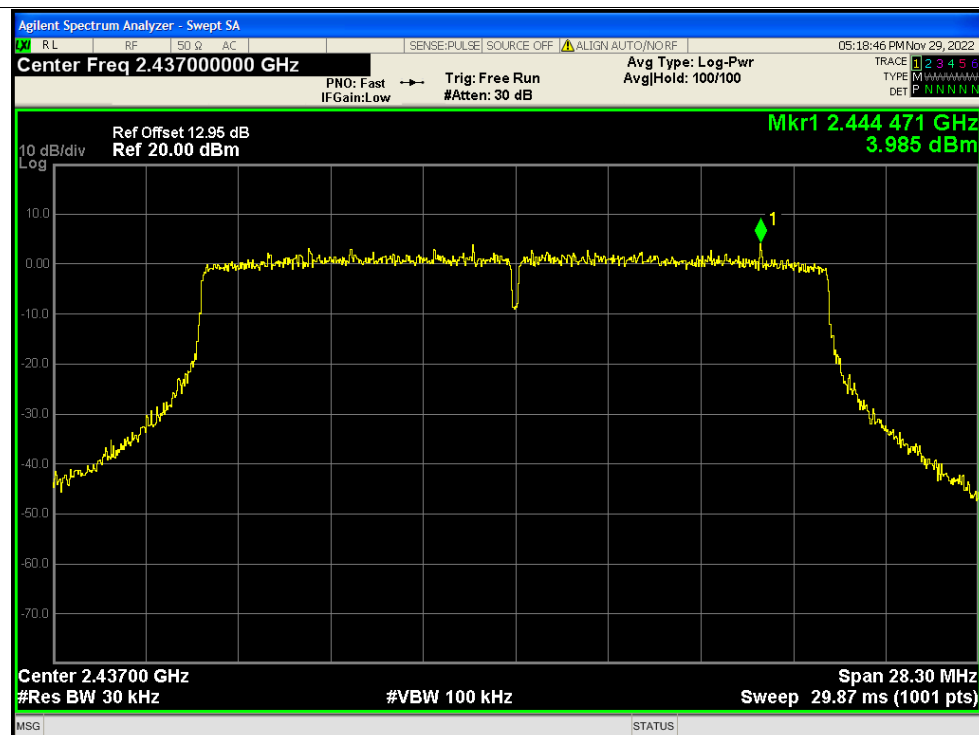




PSD NVNT ax20 2437MHz Ant1

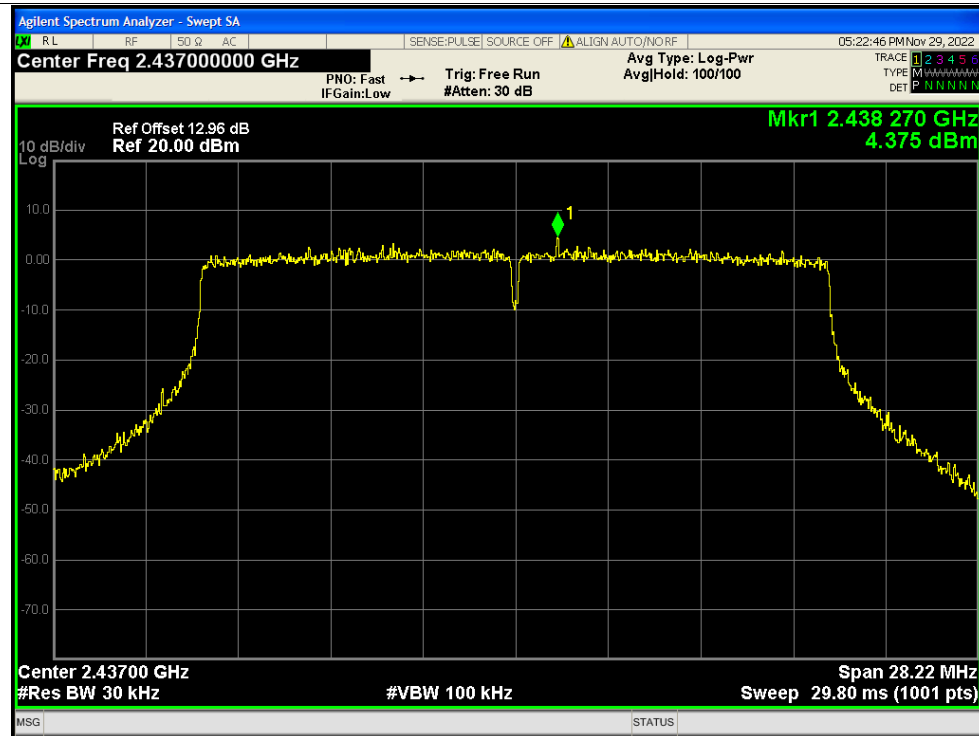


PSD NVNT ax20 2437MHz Ant2

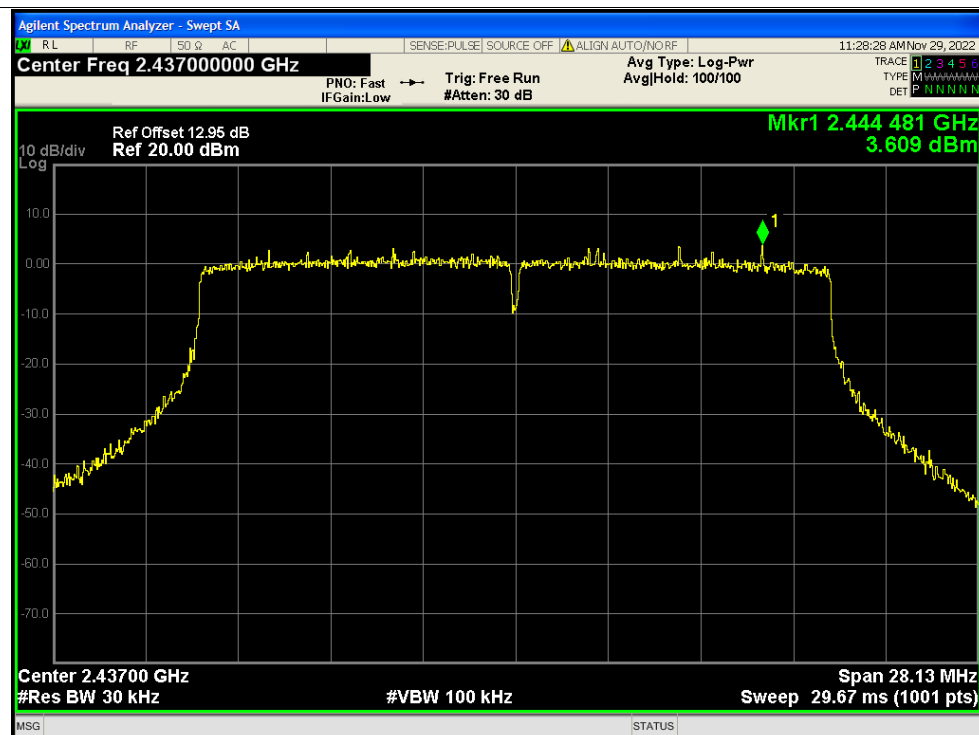




PSD NVNT ax20 2437MHz Ant3

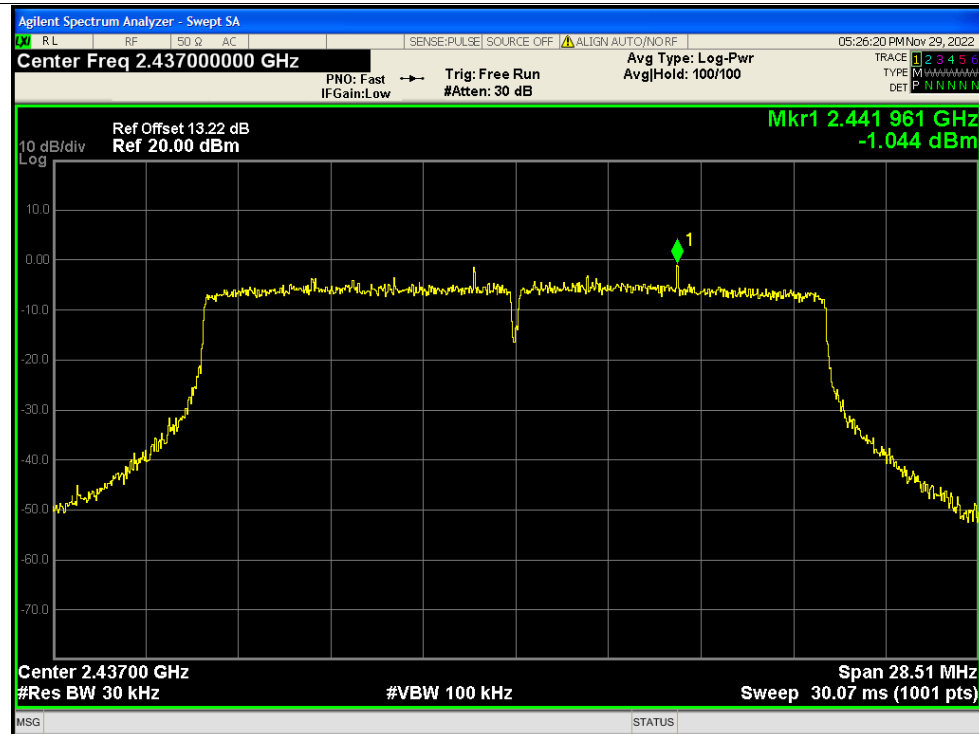


PSD NVNT ax20 2437MHz Ant4

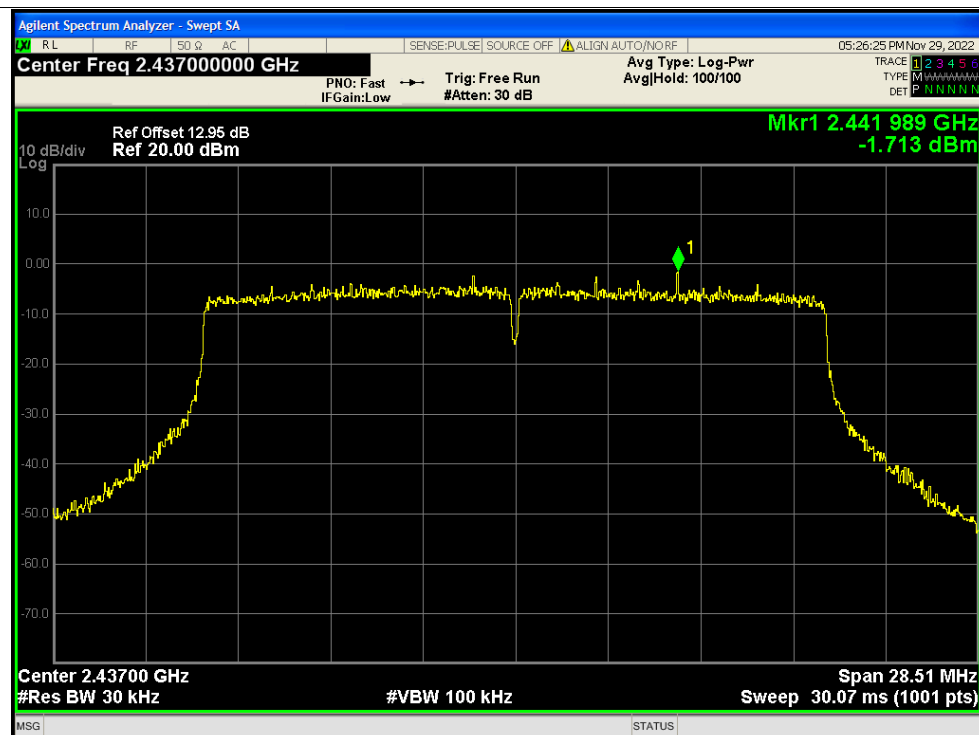




PSD NVNT ax20 2437MHz Ant1

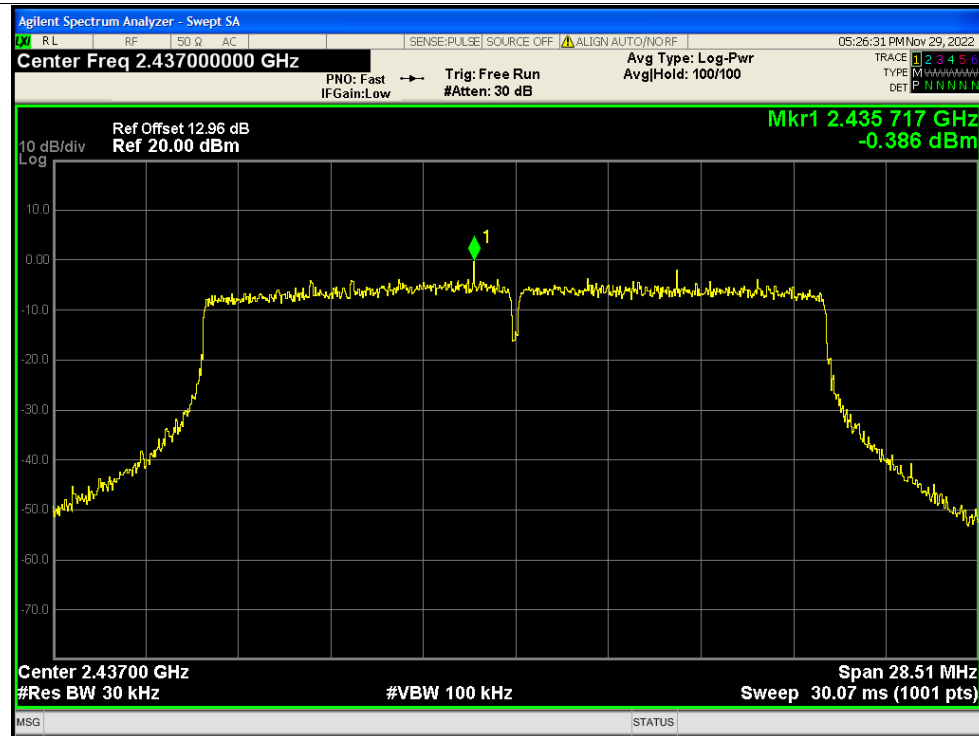


PSD NVNT ax20 2437MHz Ant2

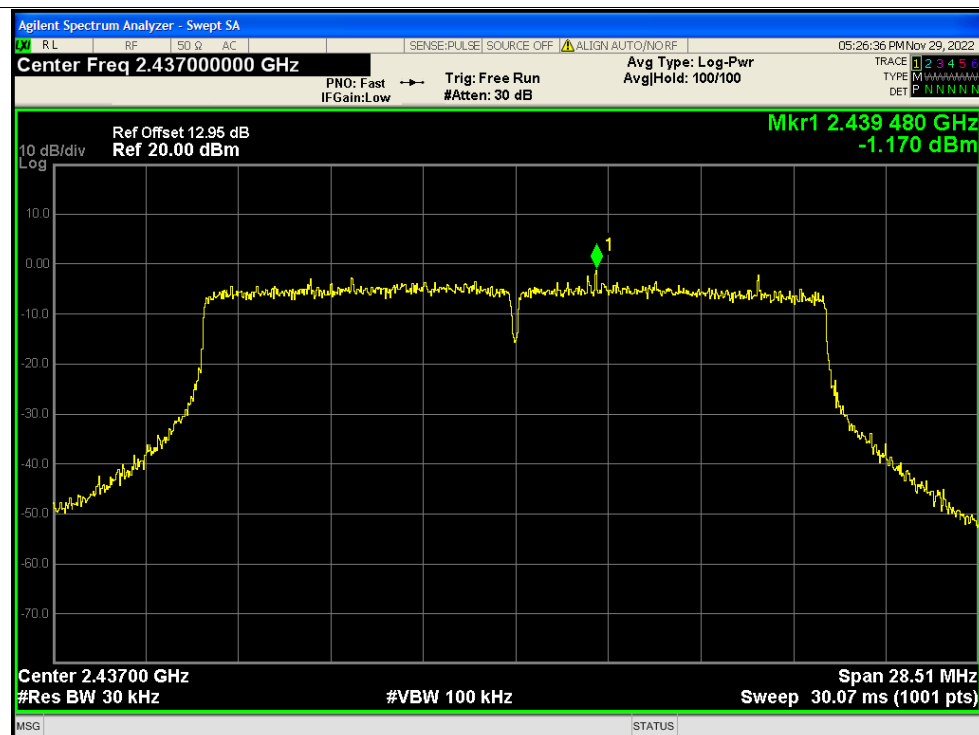




PSD NVNT ax20 2437MHz Ant3

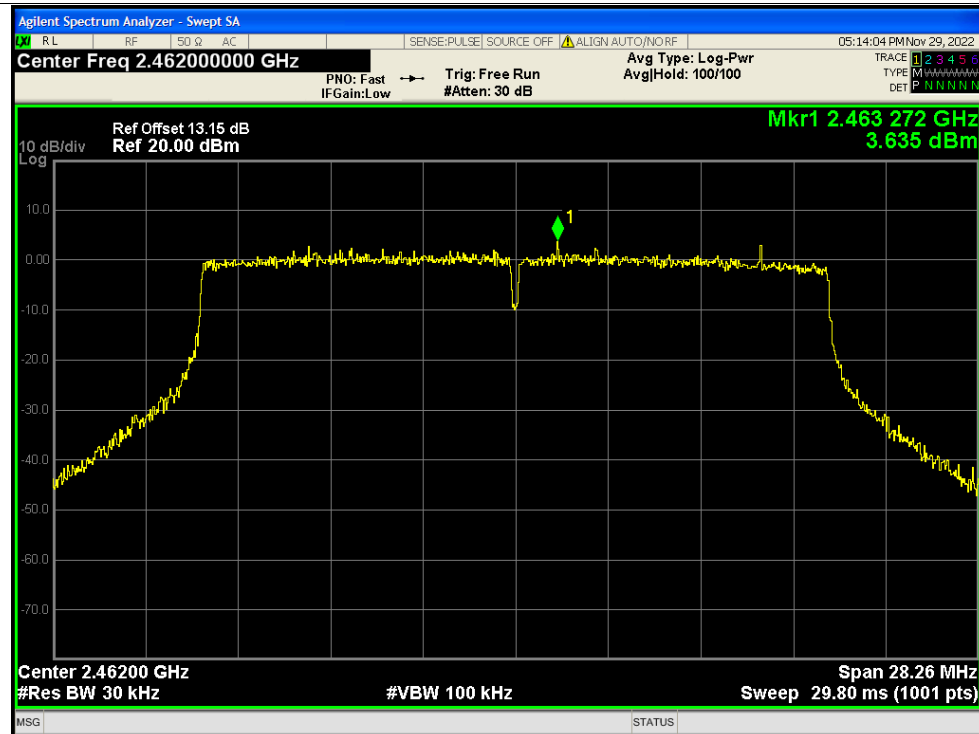


PSD NVNT ax20 2437MHz Ant4

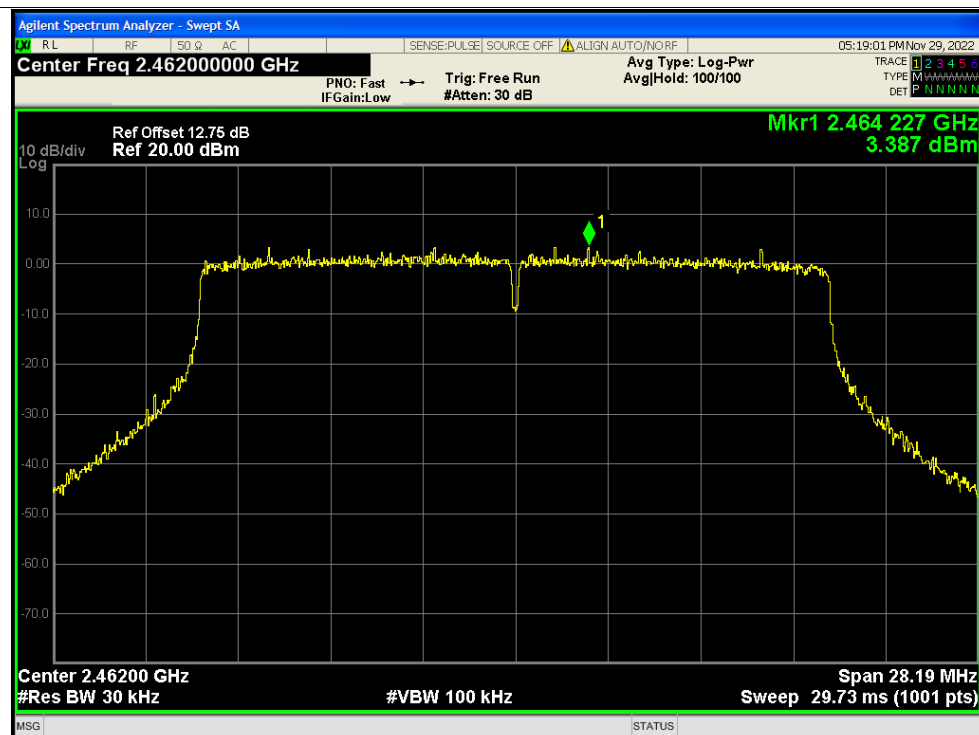




PSD NVNT ax20 2462MHz Ant1

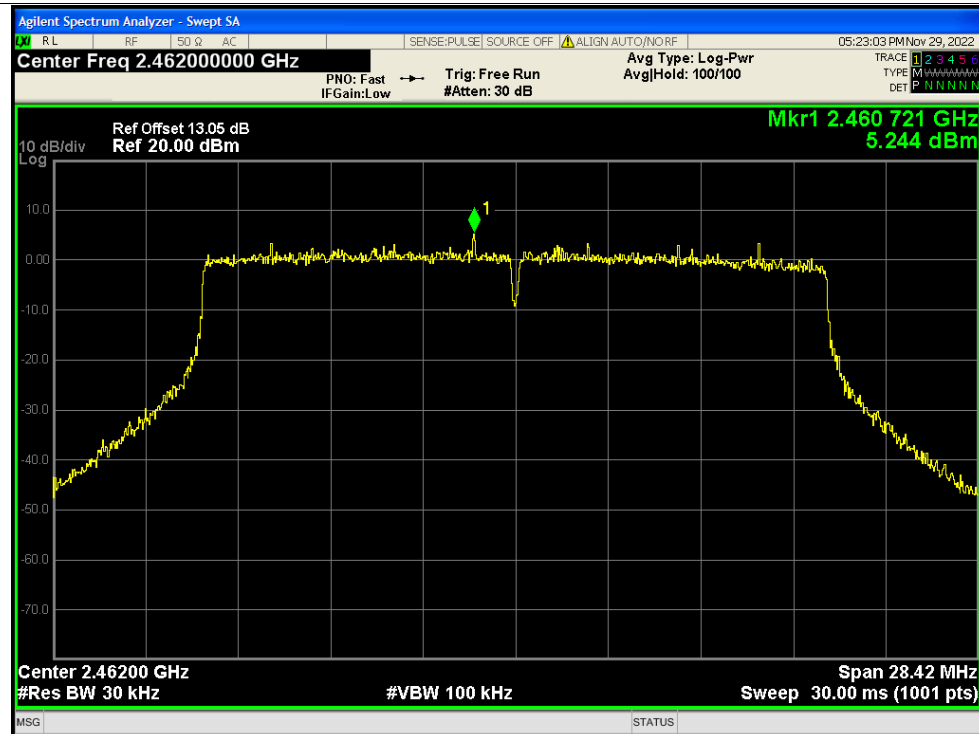


PSD NVNT ax20 2462MHz Ant2

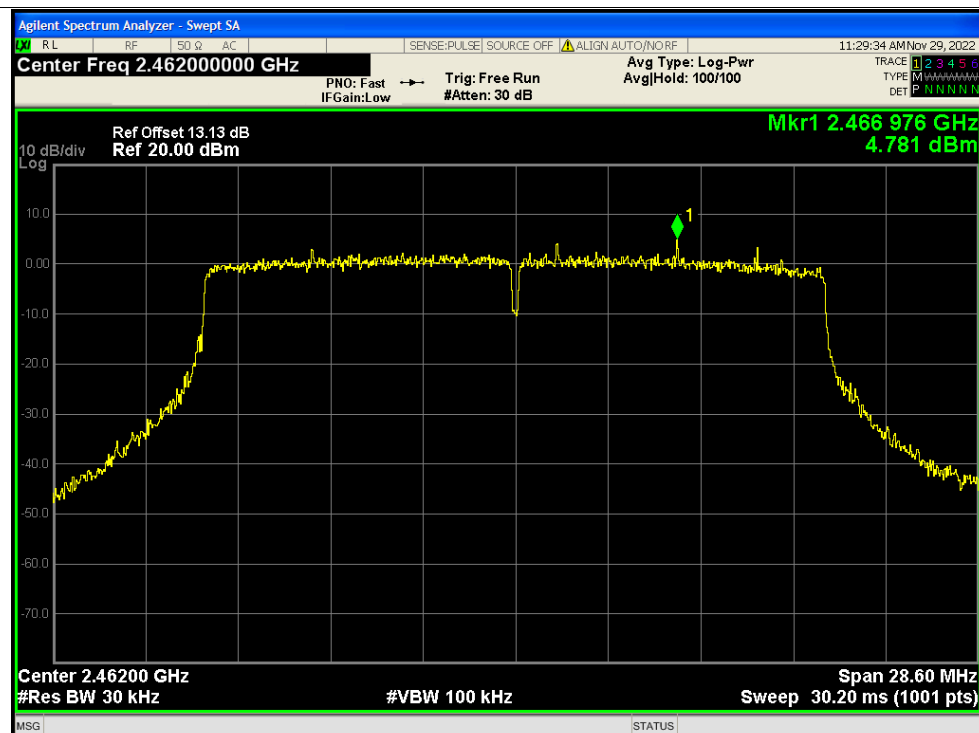




PSD NVNT ax20 2462MHz Ant3

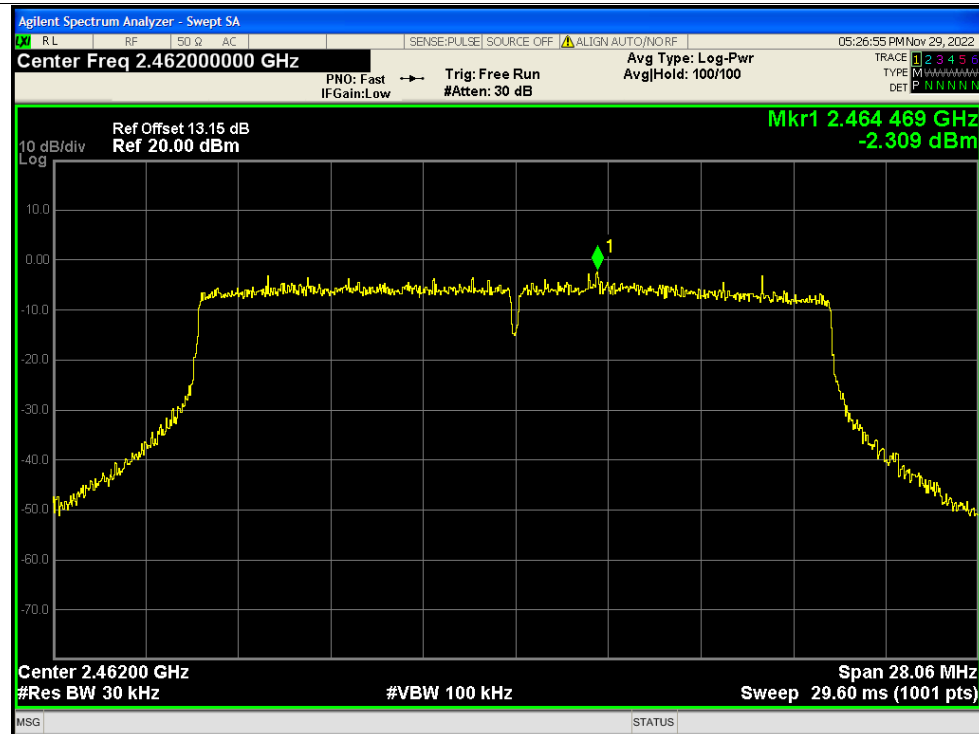


PSD NVNT ax20 2462MHz Ant4

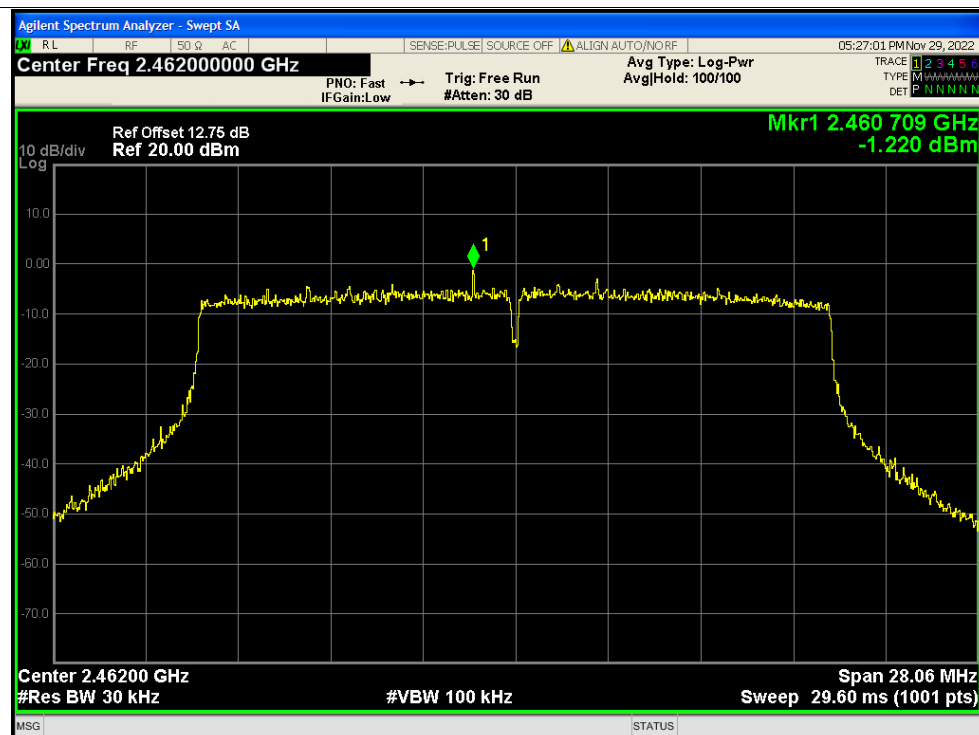




PSD NVNT ax20 2462MHz Ant1

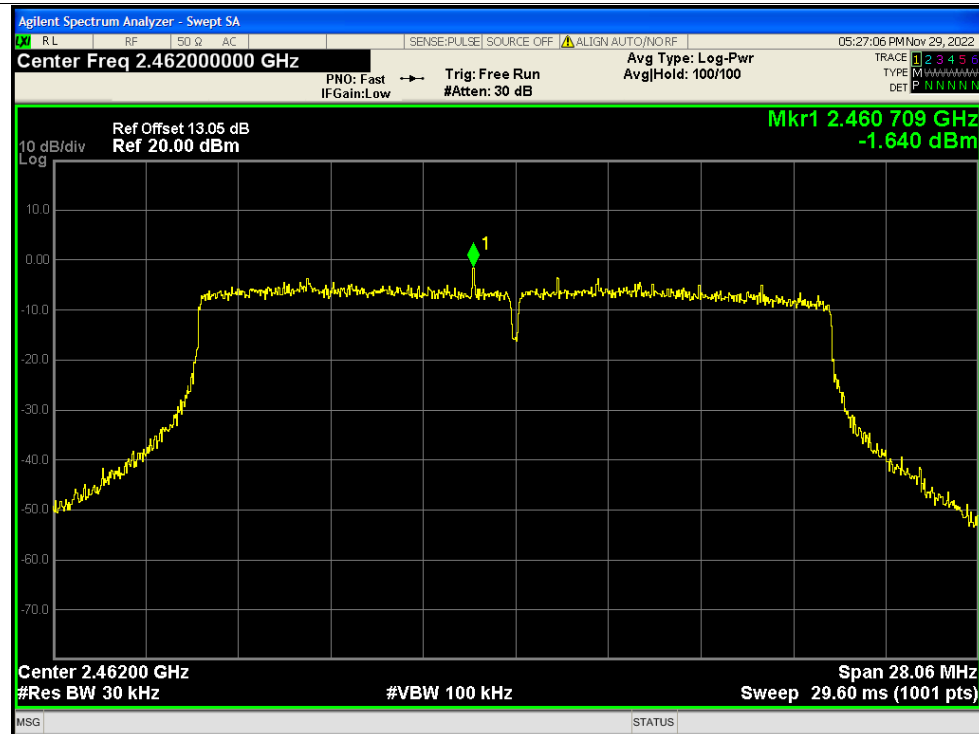


PSD NVNT ax20 2462MHz Ant2

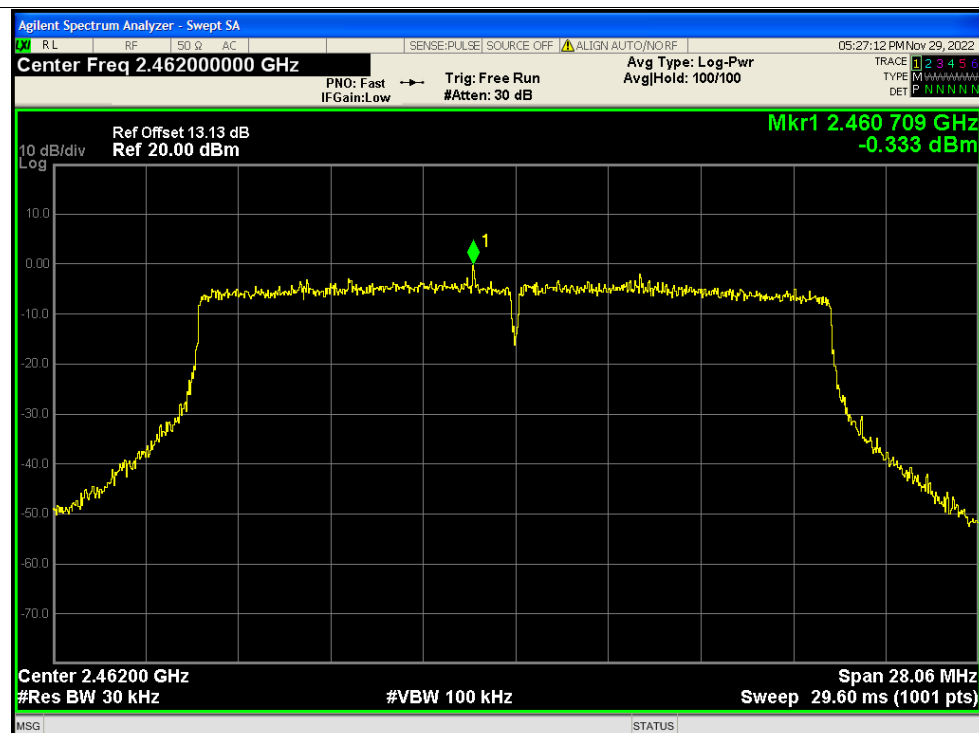




PSD NVNT ax20 2462MHz Ant3

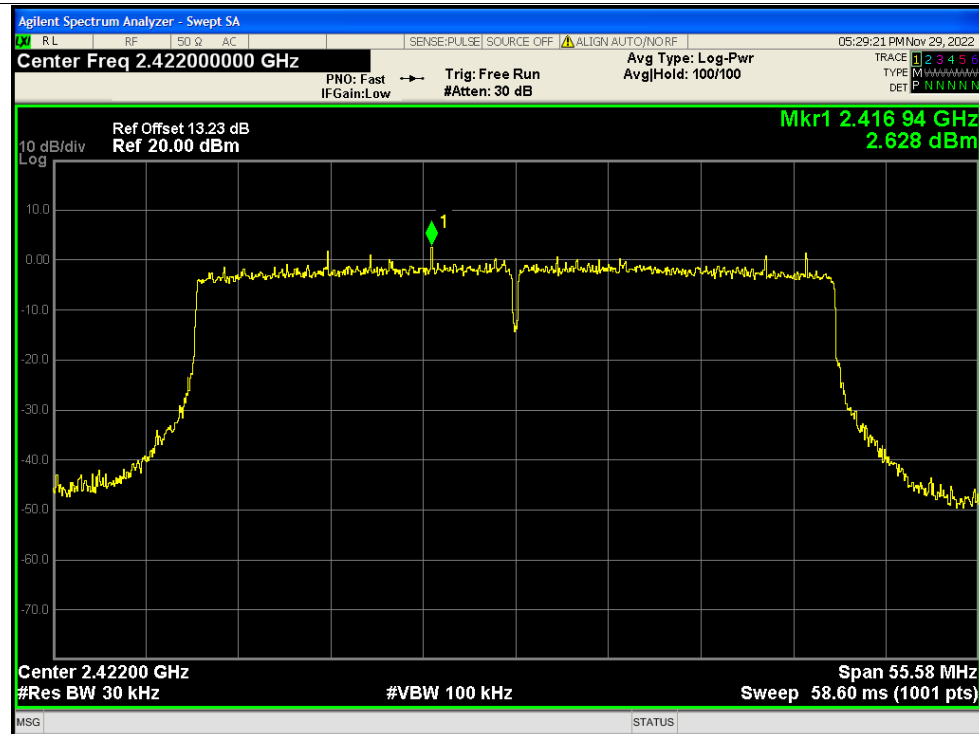


PSD NVNT ax20 2462MHz Ant4

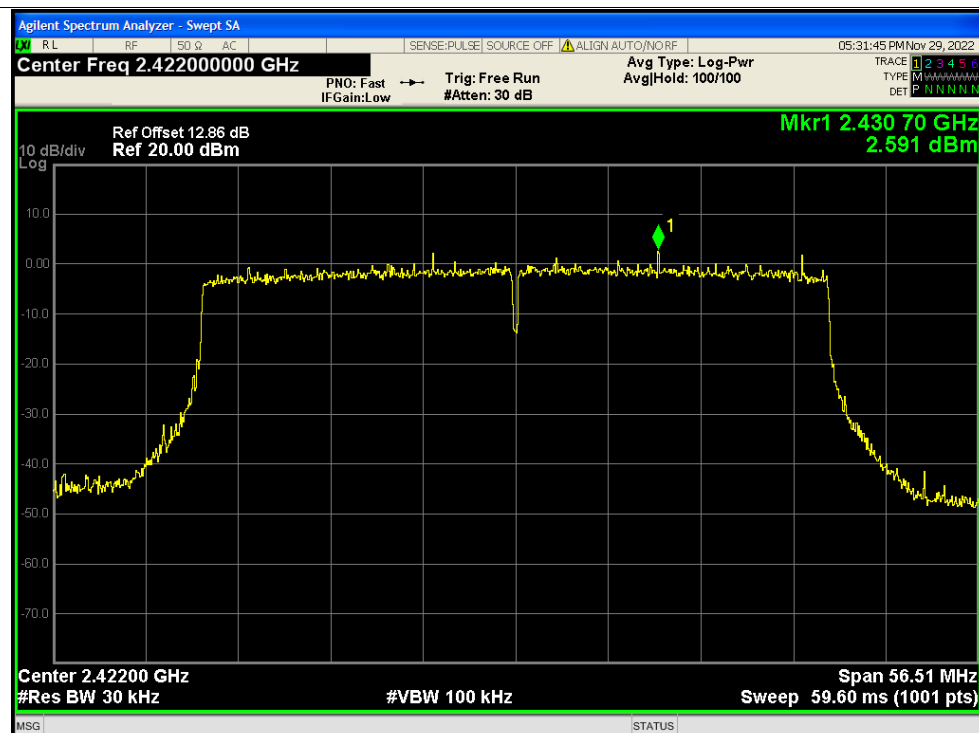




PSD NVNT ax40 2422MHz Ant1

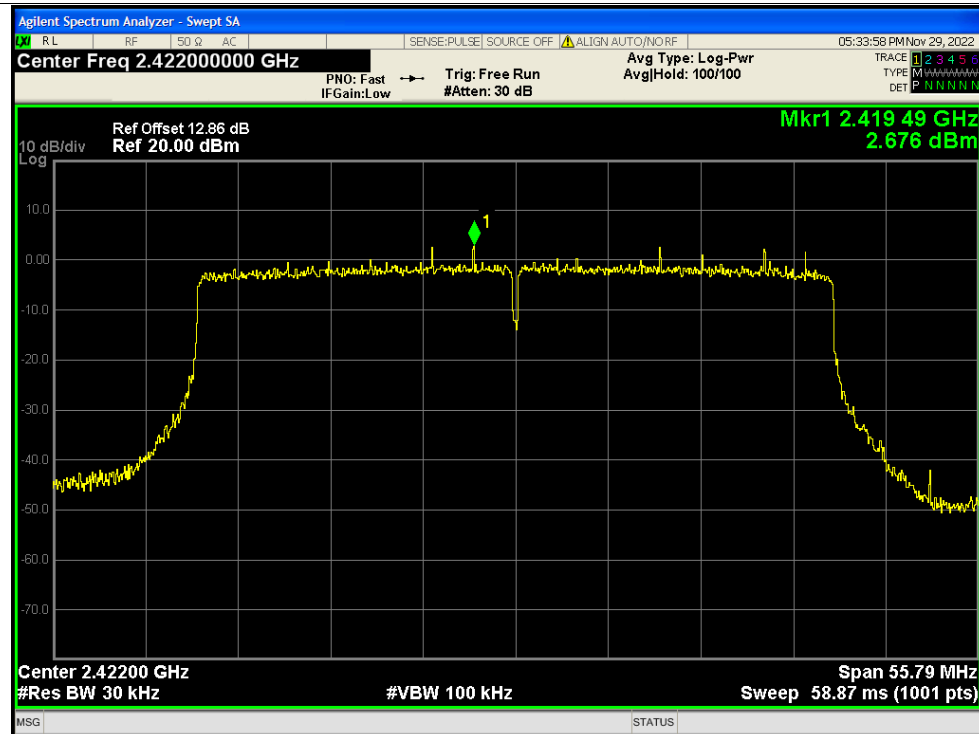


PSD NVNT ax40 2422MHz Ant2

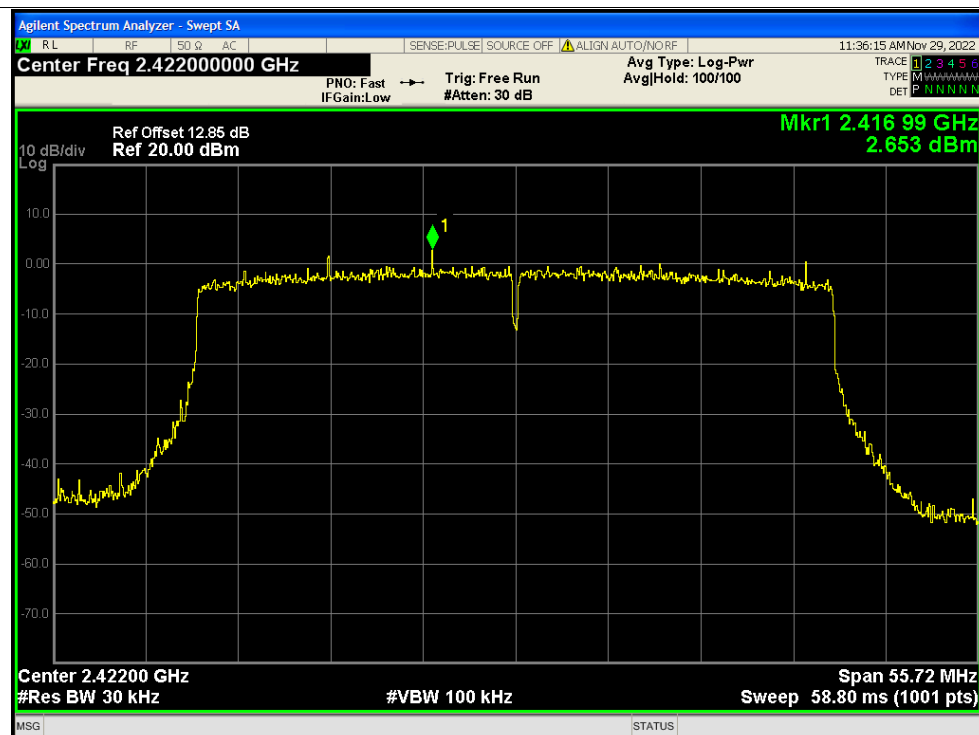




PSD NVNT ax40 2422MHz Ant3

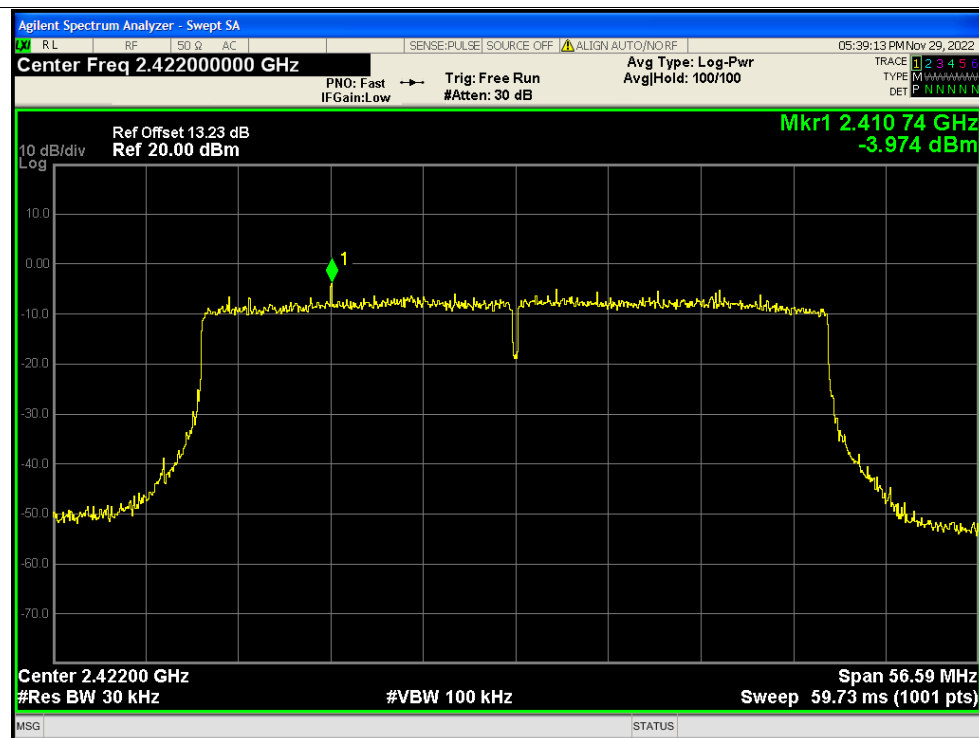


PSD NVNT ax40 2422MHz Ant4

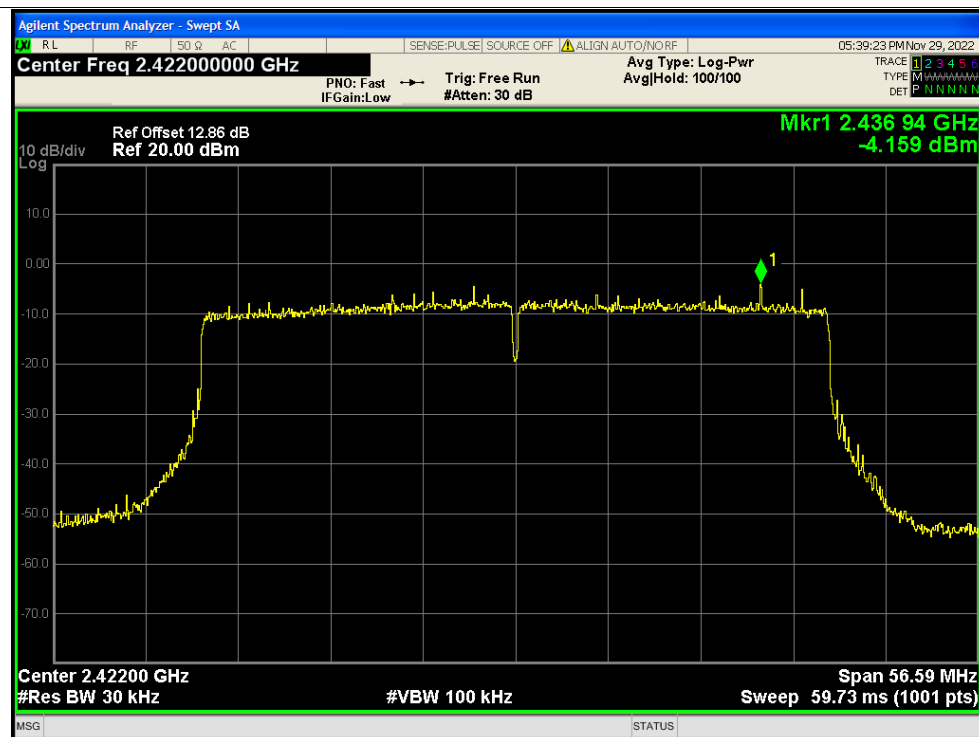




PSD NVNT ax40 2422MHz Ant1

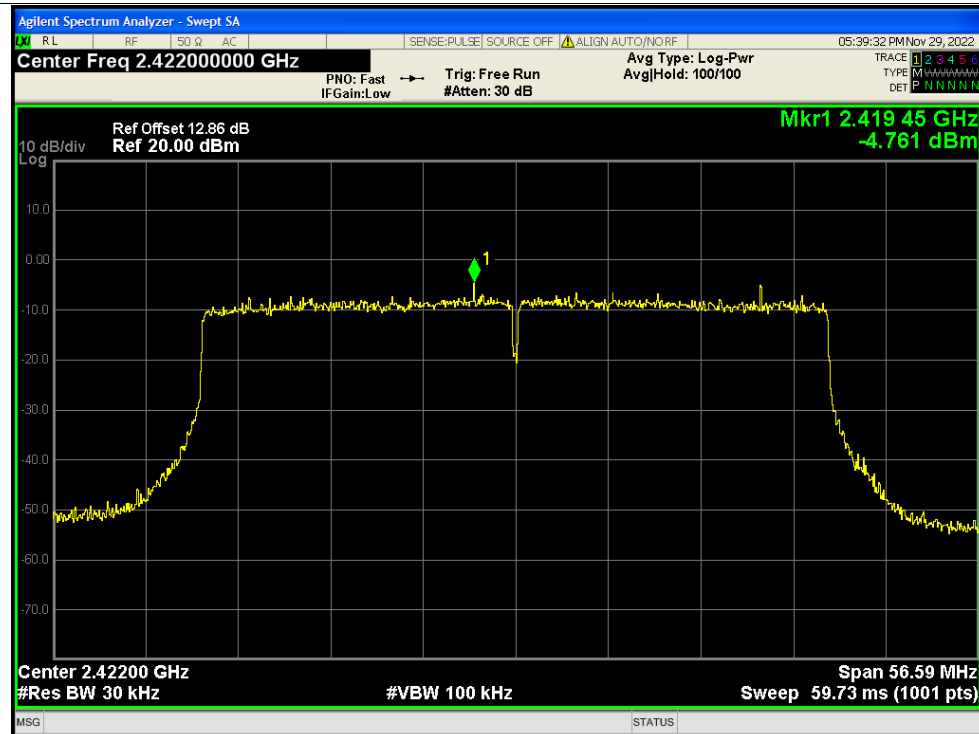


PSD NVNT ax40 2422MHz Ant2

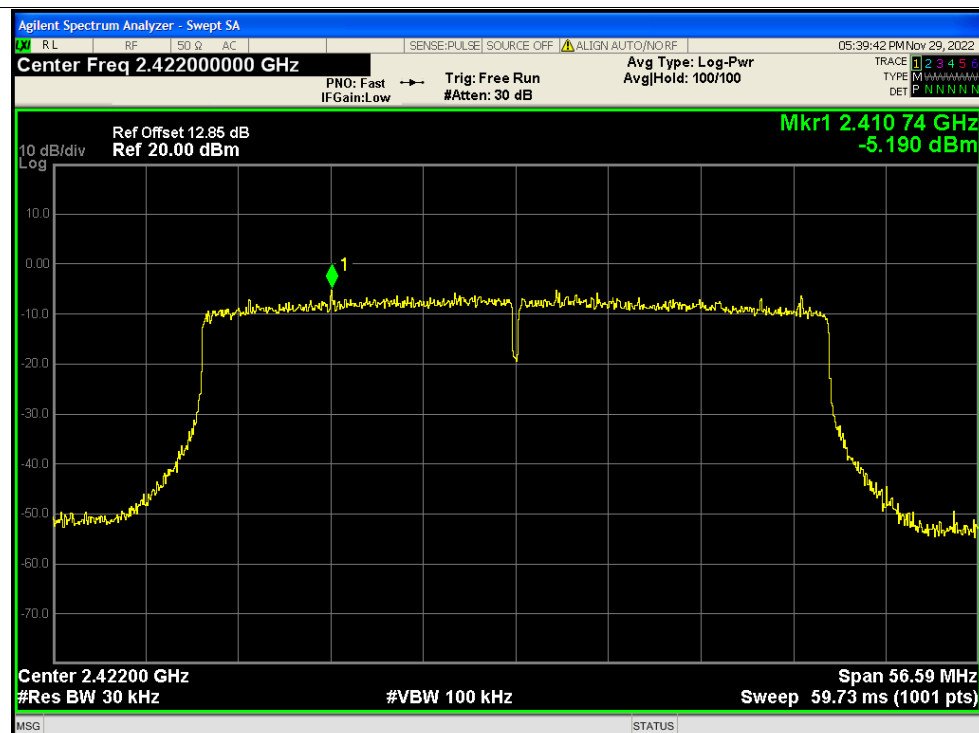




PSD NVNT ax40 2422MHz Ant3

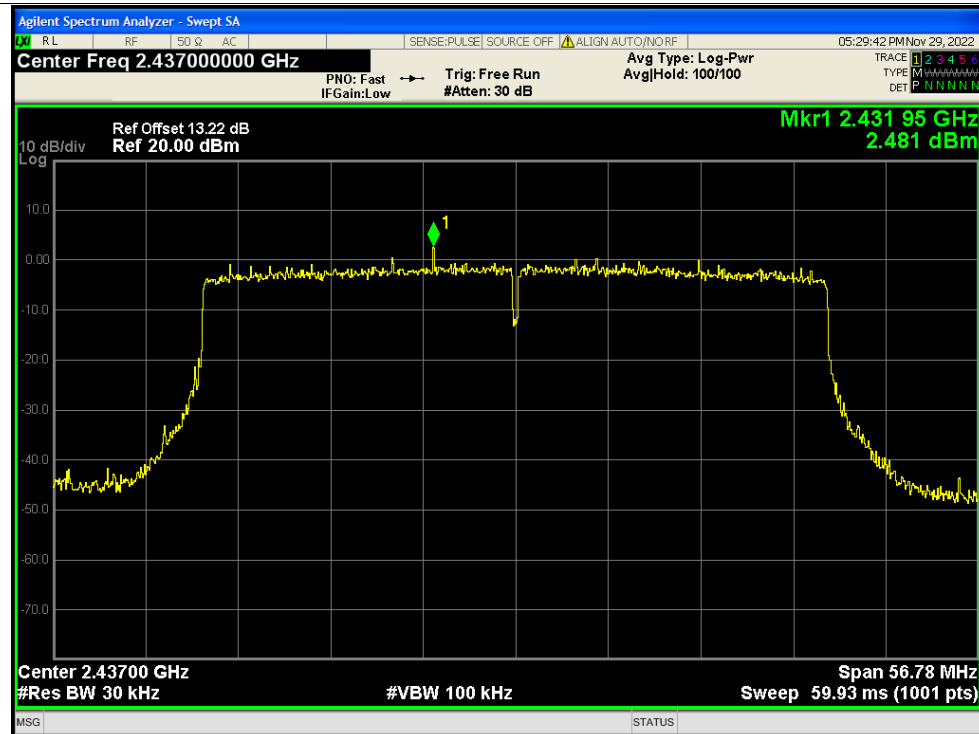


PSD NVNT ax40 2422MHz Ant4

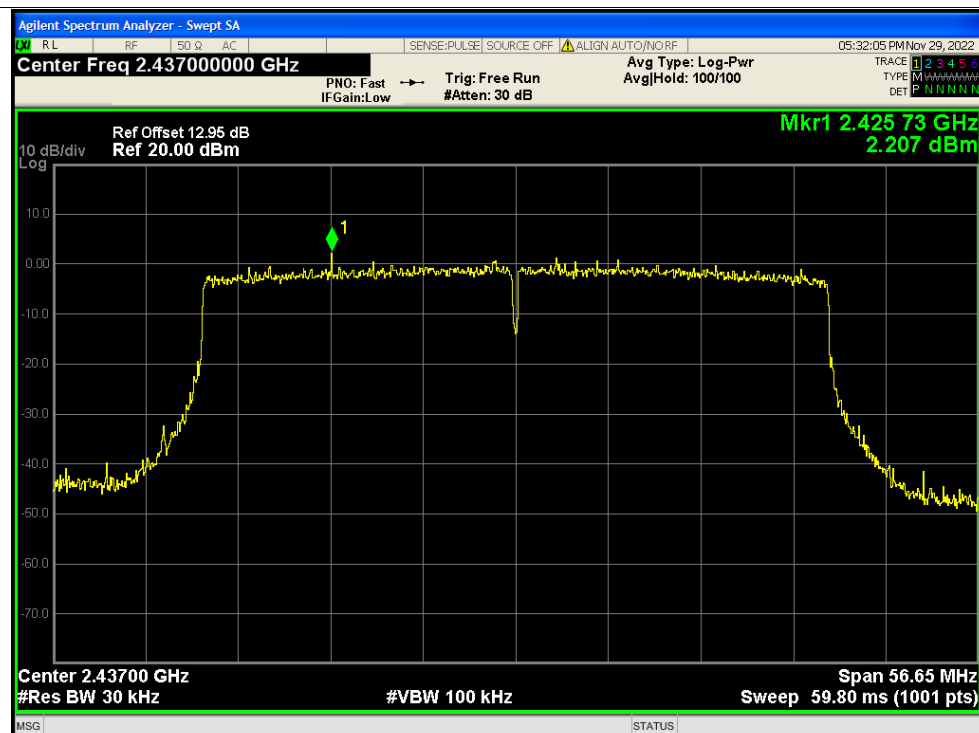




PSD NVNT ax40 2437MHz Ant1

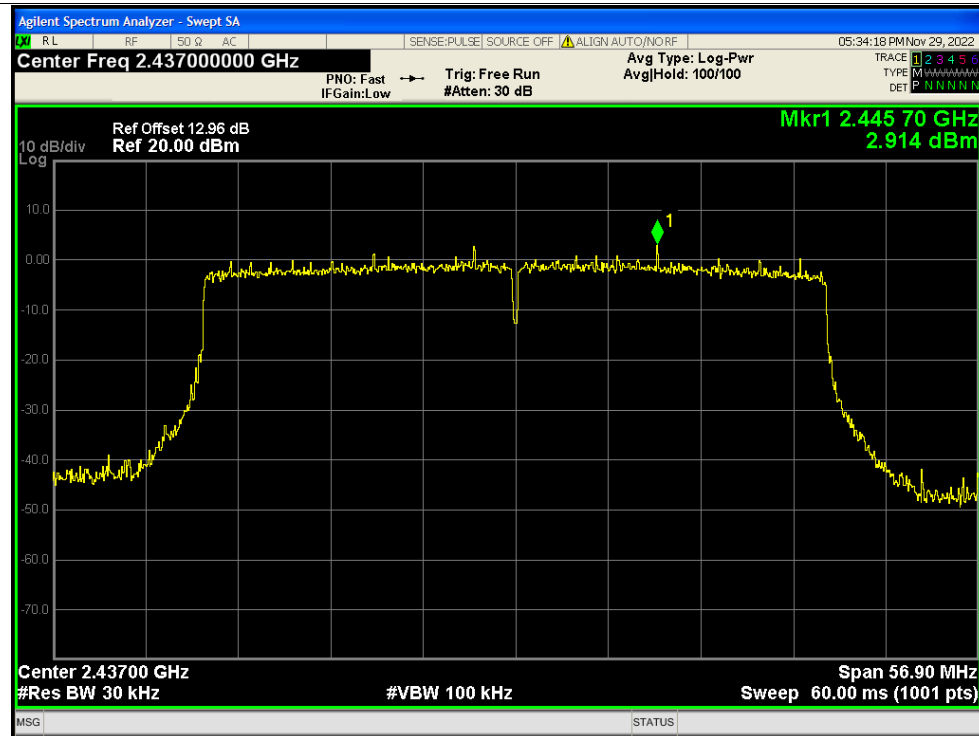


PSD NVNT ax40 2437MHz Ant2

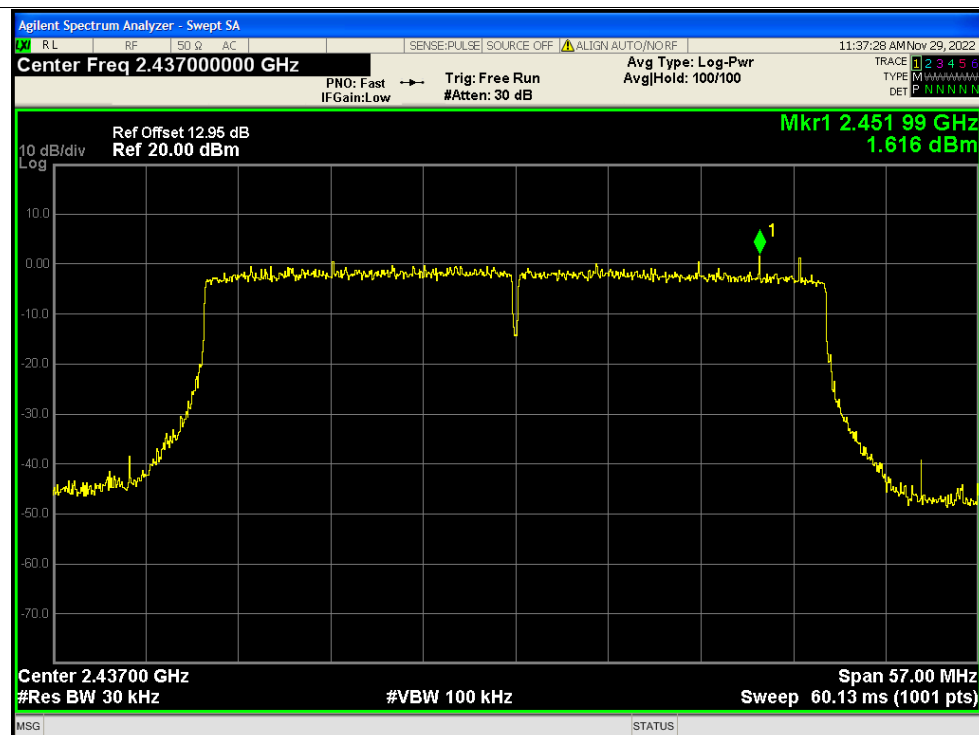




PSD NVNT ax40 2437MHz Ant3

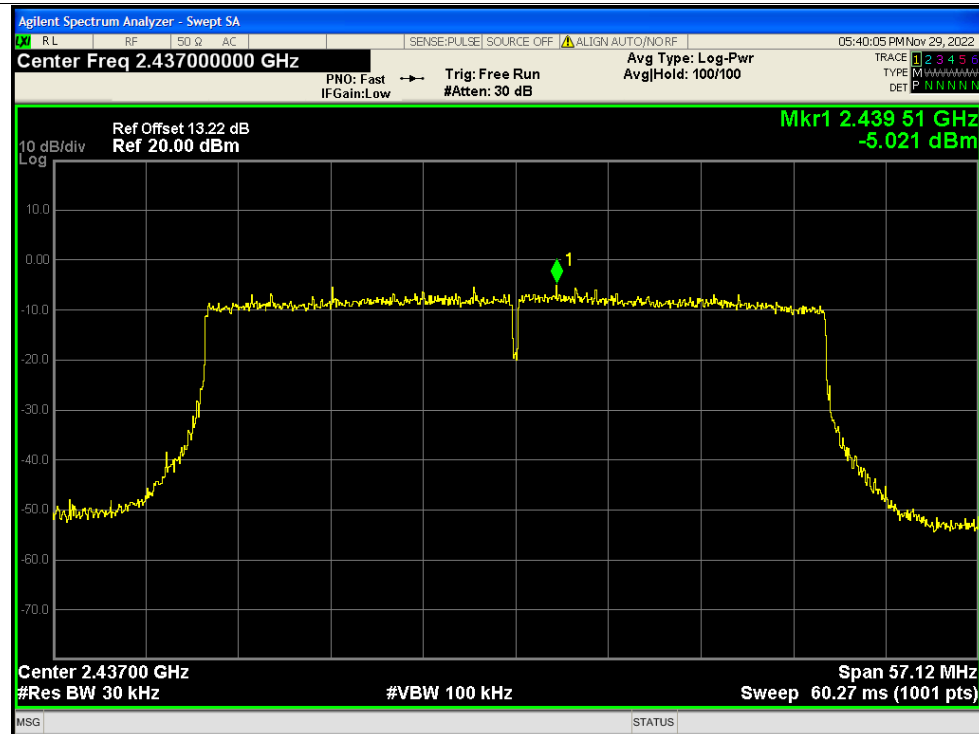


PSD NVNT ax40 2437MHz Ant4

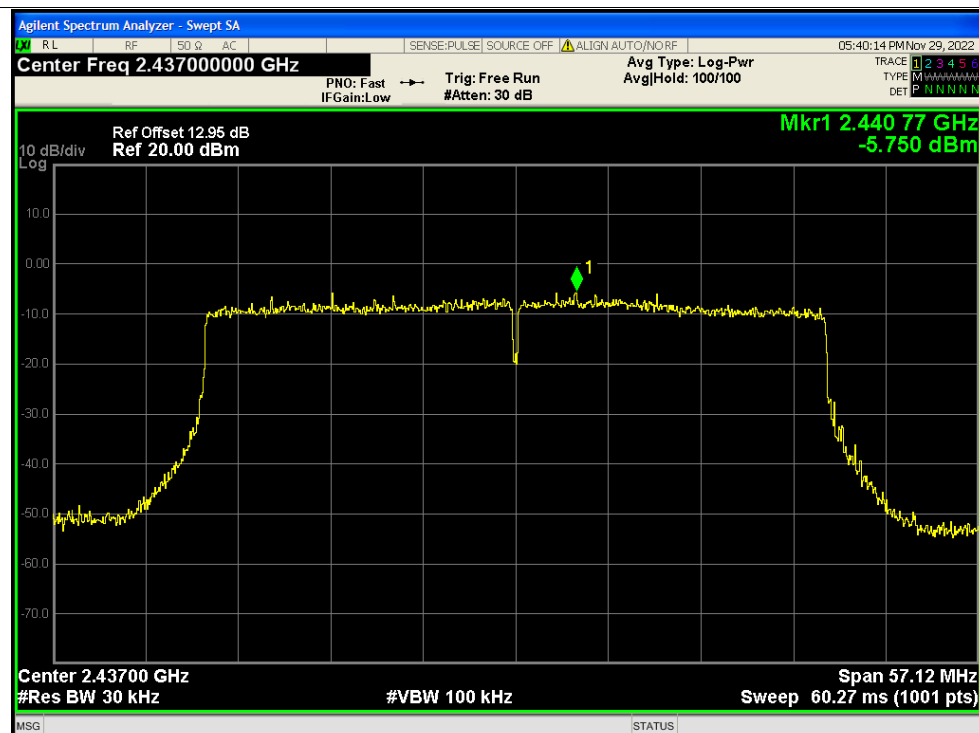




PSD NVNT ax40 2437MHz Ant1

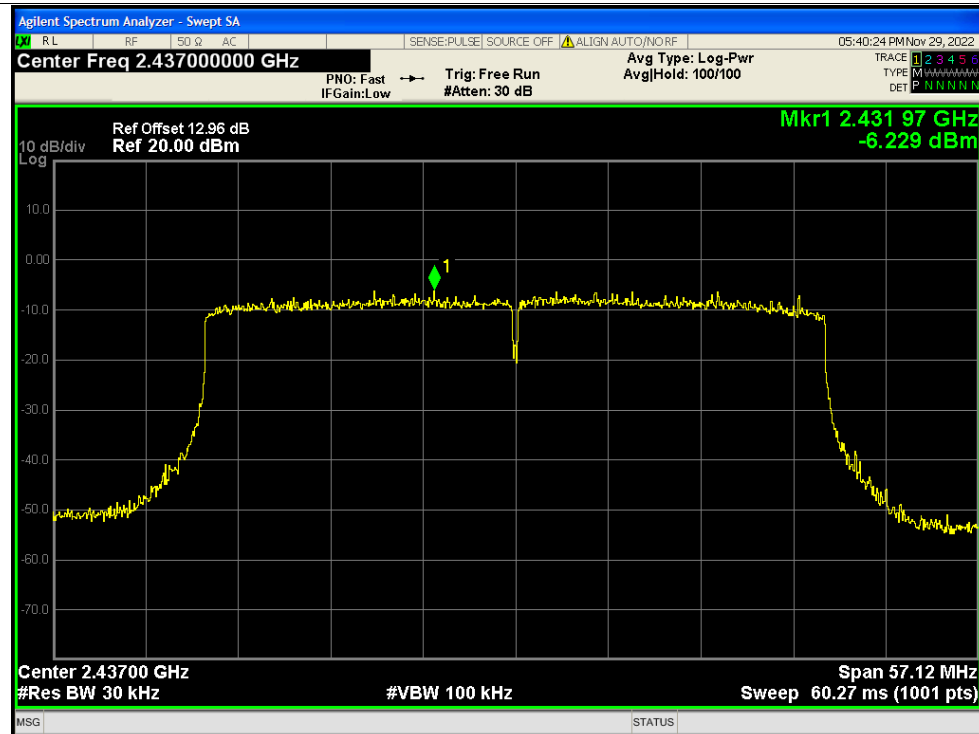


PSD NVNT ax40 2437MHz Ant2

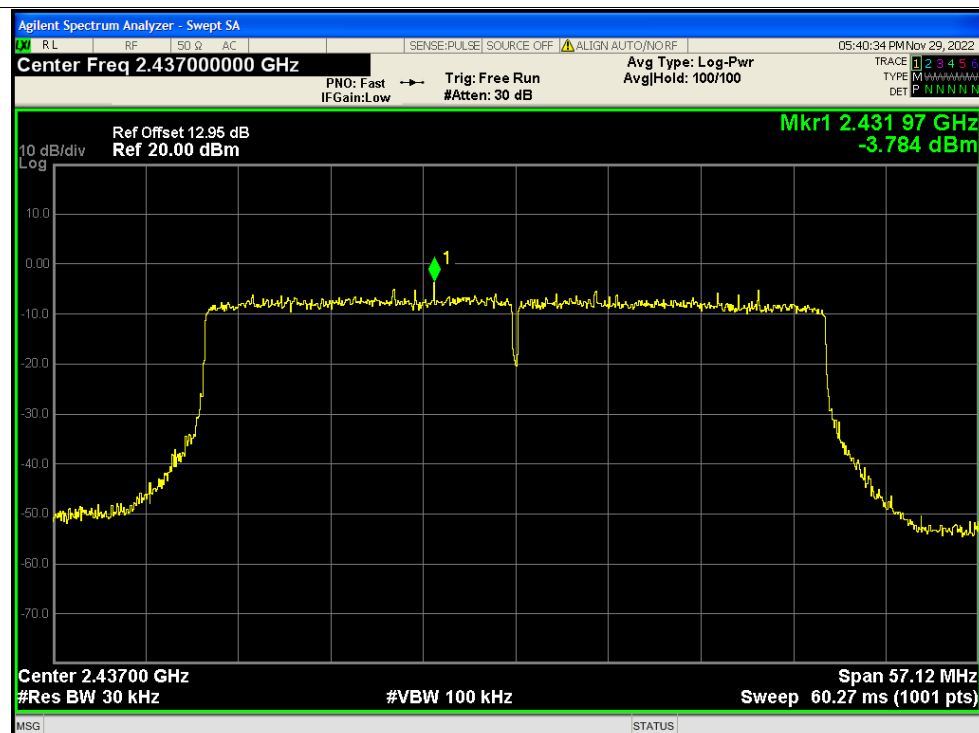




PSD NVNT ax40 2437MHz Ant3

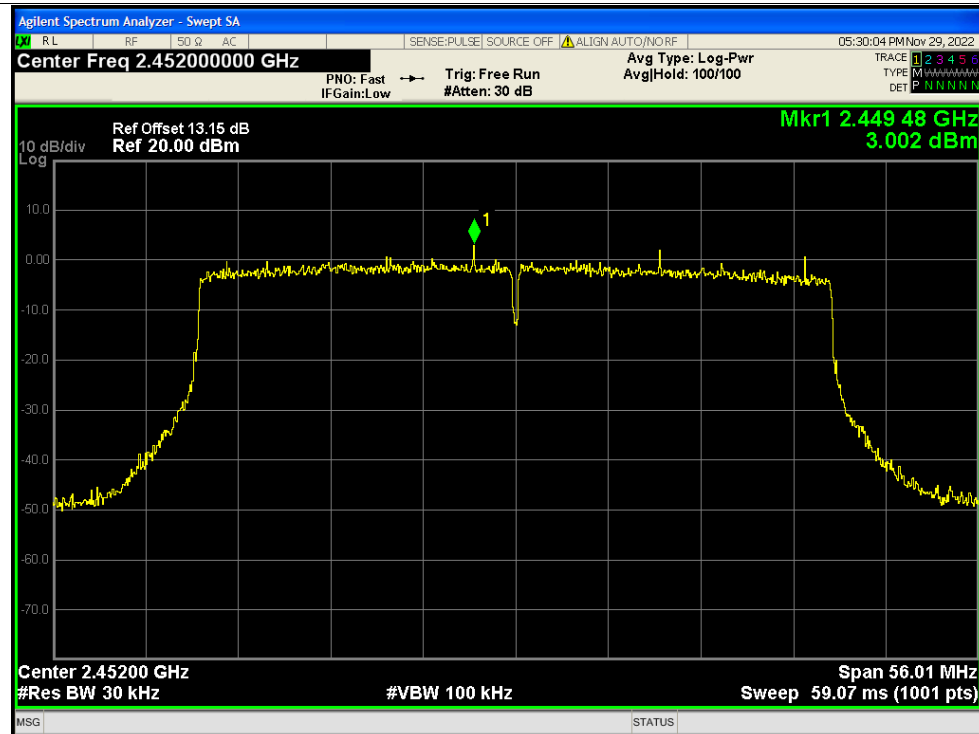


PSD NVNT ax40 2437MHz Ant4

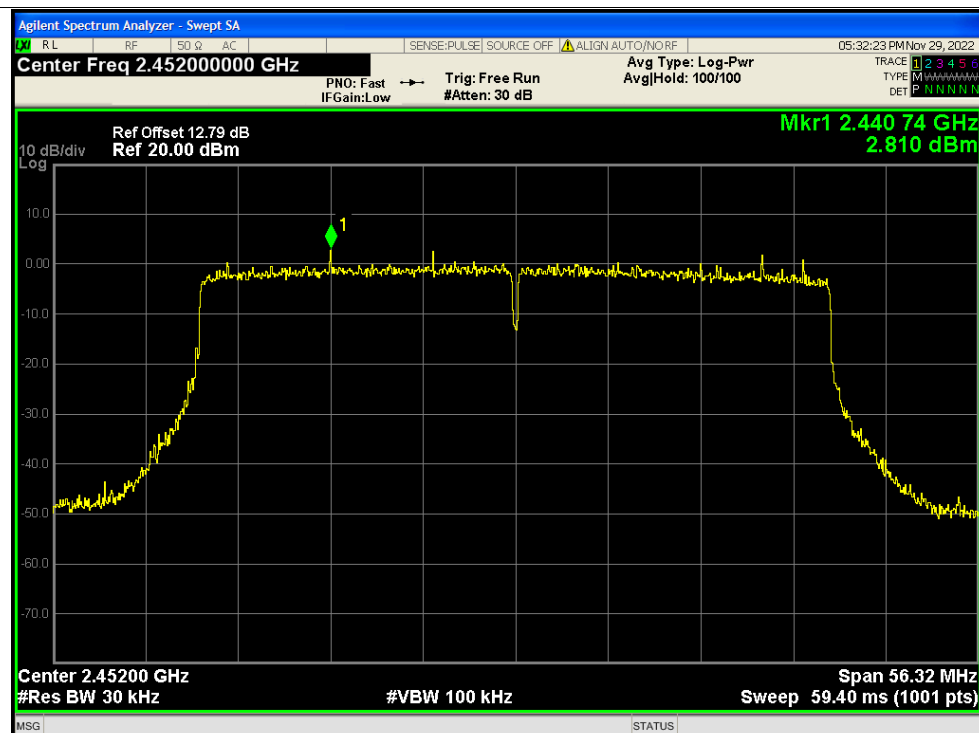




PSD NVNT ax40 2452MHz Ant1

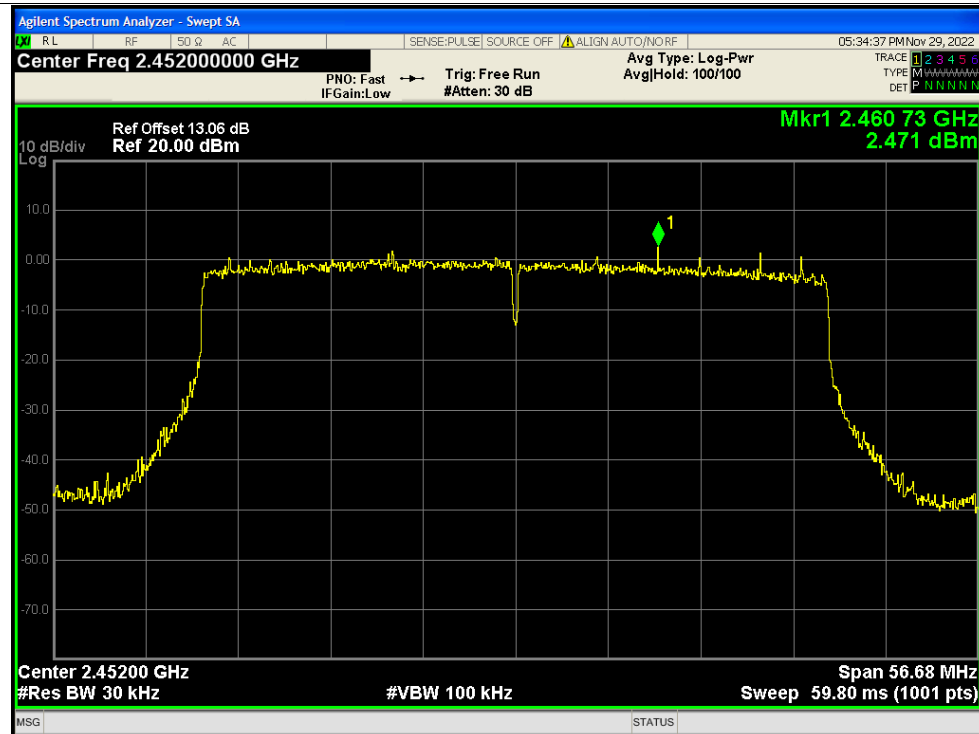


PSD NVNT ax40 2452MHz Ant2

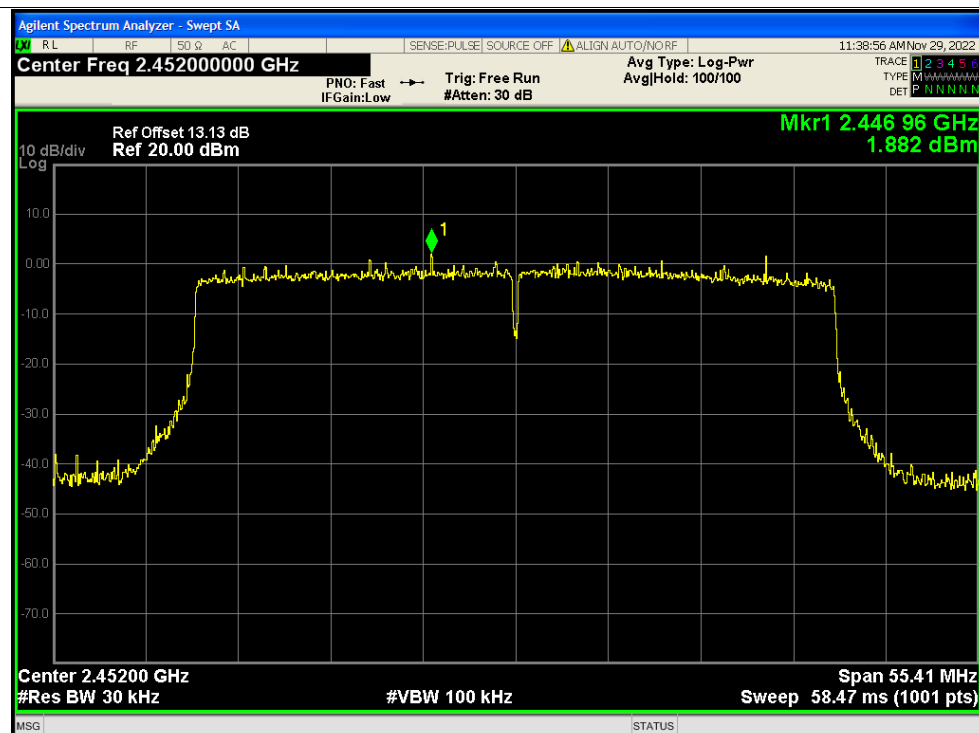




PSD NVNT ax40 2452MHz Ant3

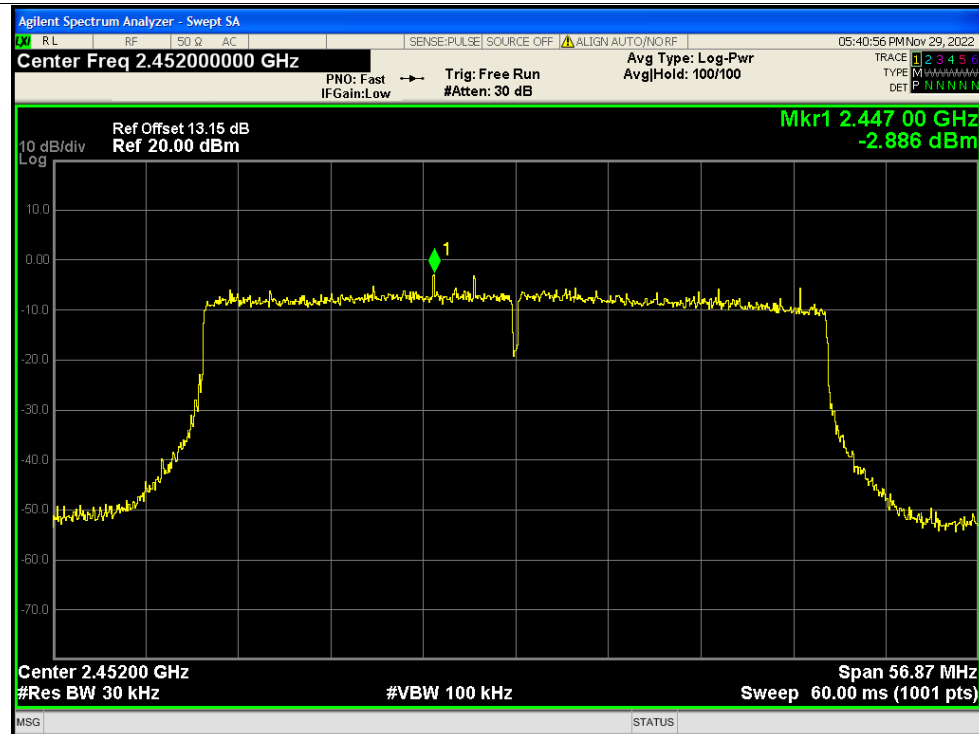


PSD NVNT ax40 2452MHz Ant4





PSD NVNT ax40 2452MHz Ant1

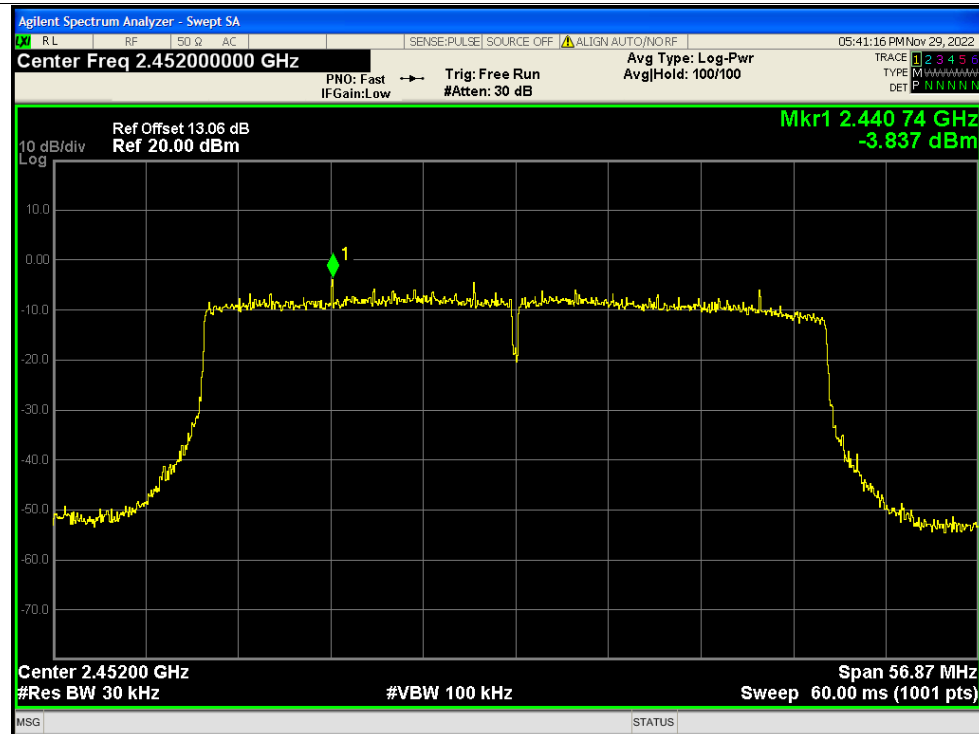


PSD NVNT ax40 2452MHz Ant2

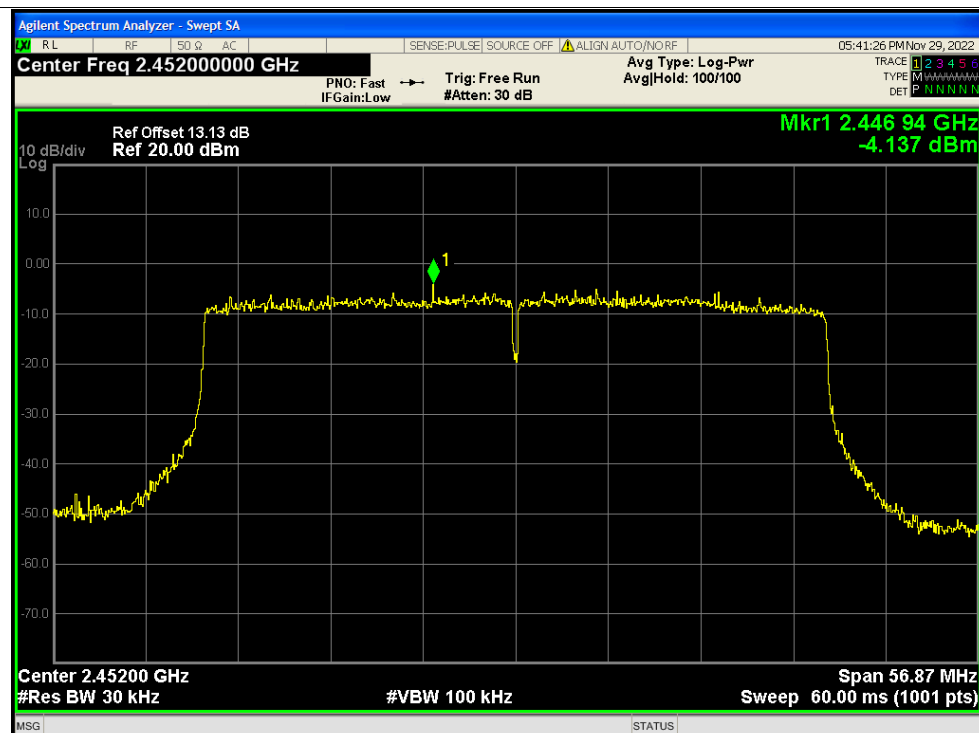




PSD NVNT ax40 2452MHz Ant3



PSD NVNT ax40 2452MHz Ant4





A.8. 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 + WIFI TX

Test voltage: AC 120V/60Hz

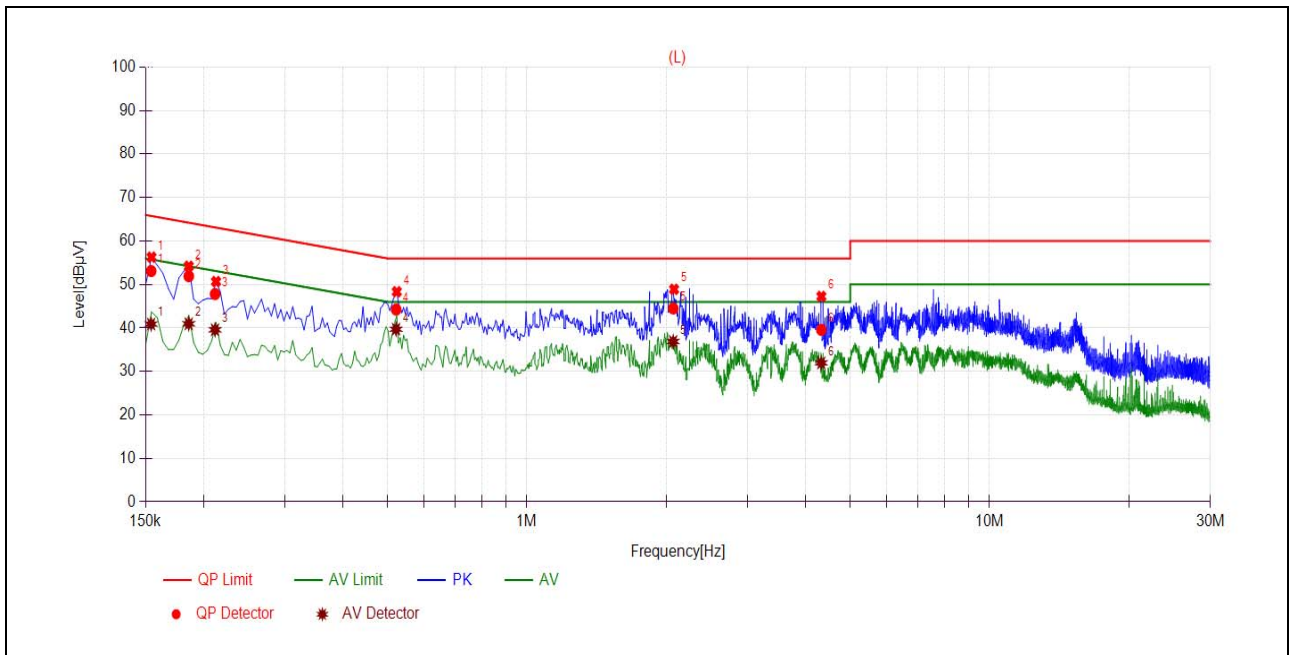
The measurement results are obtained as below:

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

U_R : Receiver Reading

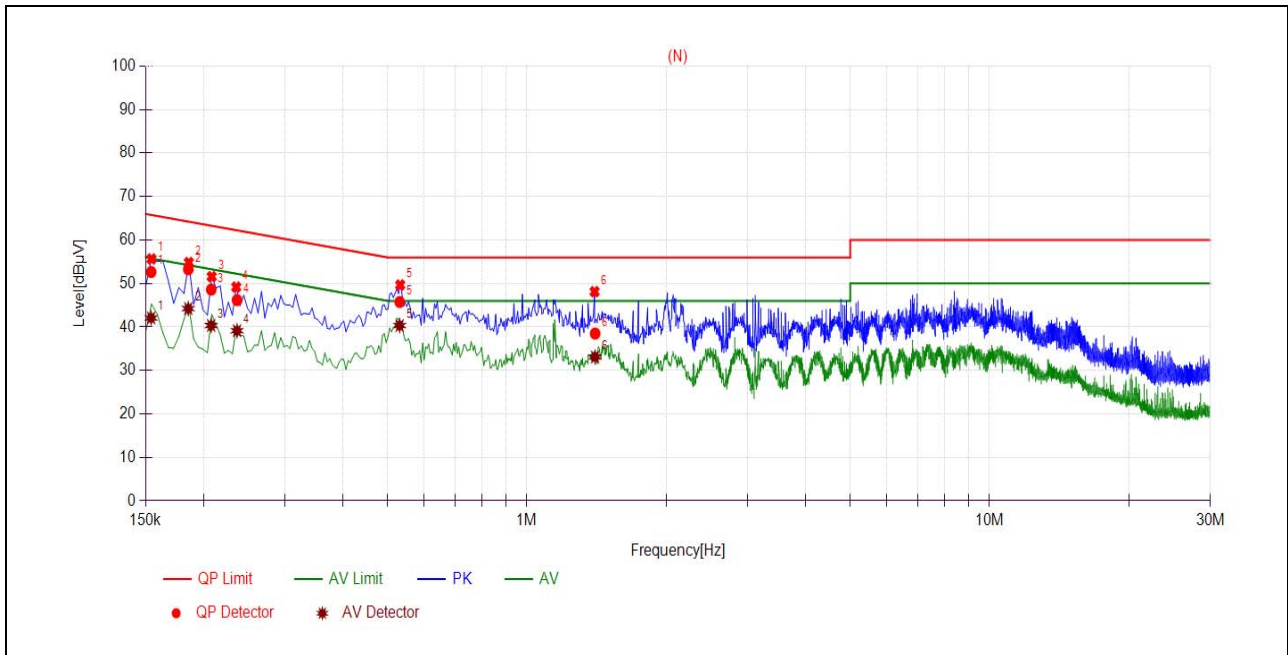
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1542	53.10	40.90	65.77	55.77	Line	PASS
2	0.1859	51.91	40.96	64.22	54.22		PASS
3	0.2119	47.81	39.58	63.13	53.13		PASS
4	0.5217	44.24	39.71	56.00	46.00		PASS
5	2.0715	44.49	36.88	56.00	46.00		PASS
6	4.3283	39.58	31.96	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	0.1542	52.64	42.08	65.77	55.77	Neutral	PASS
2	0.1855	53.26	44.24	64.24	54.24		PASS
3	0.2079	48.60	40.34	63.29	53.29		PASS
4	0.2364	46.18	39.13	62.22	52.22		PASS
5	0.5311	45.74	40.32	56.00	46.00		PASS
6	1.4044	38.48	33.08	56.00	46.00		PASS



A.9. 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

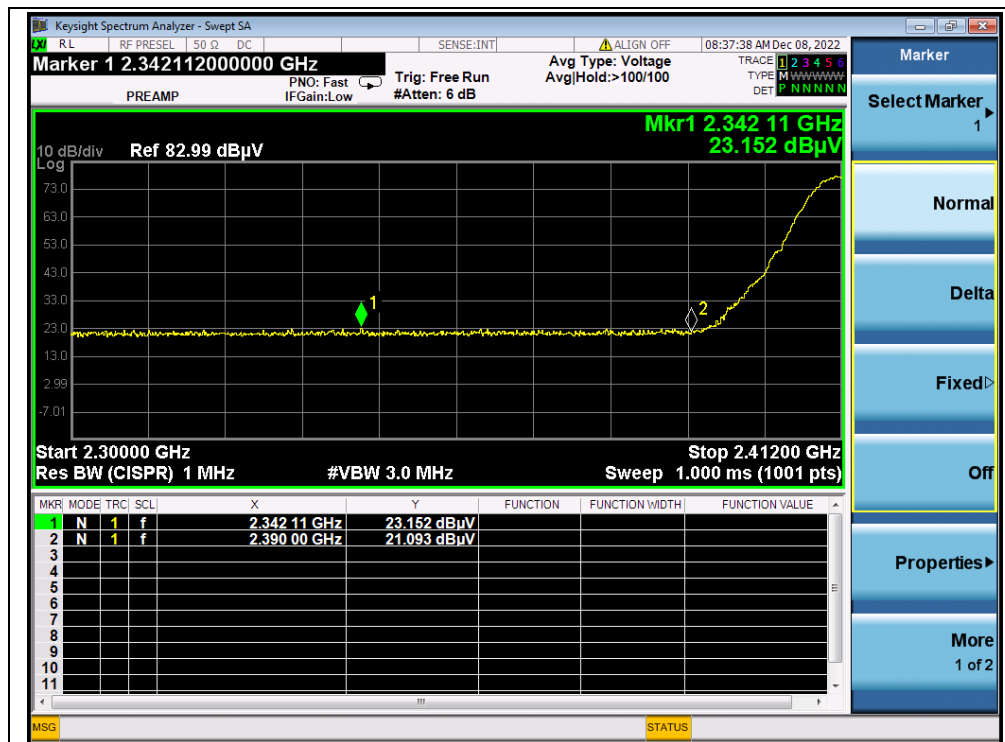
G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

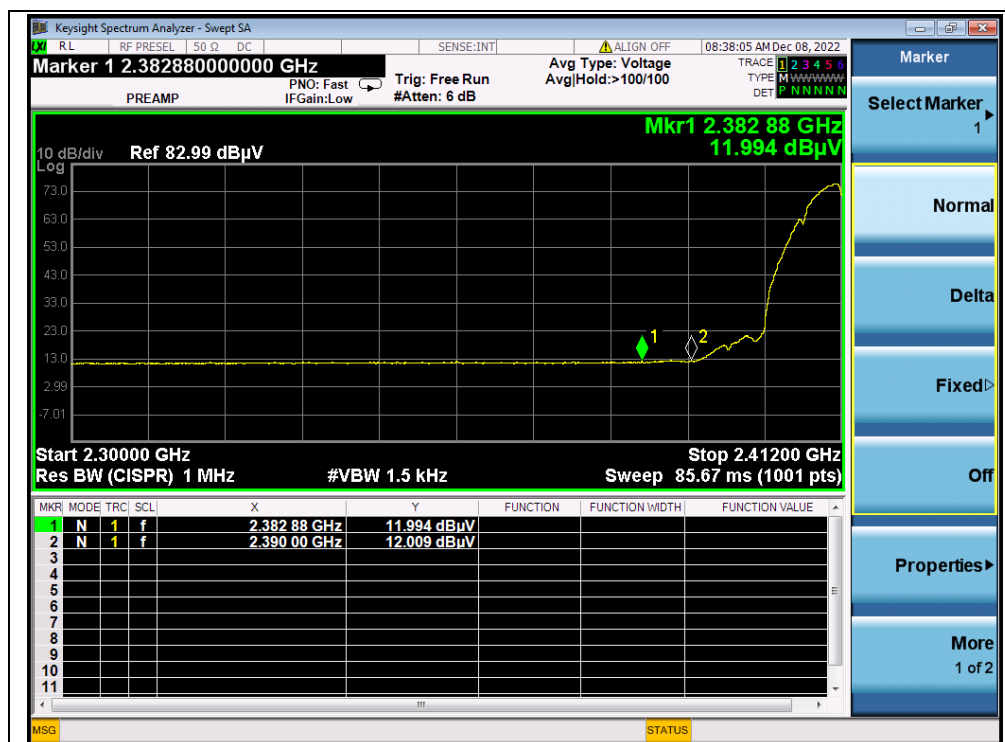
Note: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

802.11b Mode

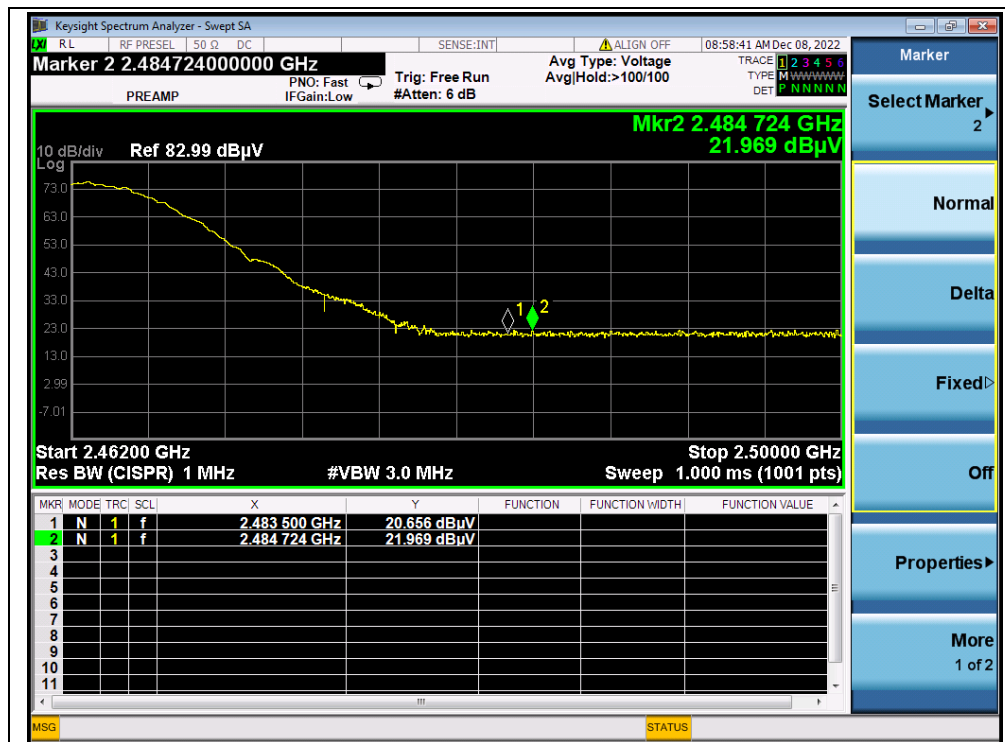
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
1	2342.11	PK	23.15	6.74	27.20	57.09	74	PASS
1	2390.00	AV	12.01	6.74	27.20	45.95	54	PASS
11	2484.72	PK	21.97	6.74	27.20	55.91	74	PASS
11	2485.94	AV	11.32	6.74	27.20	45.26	54	PASS



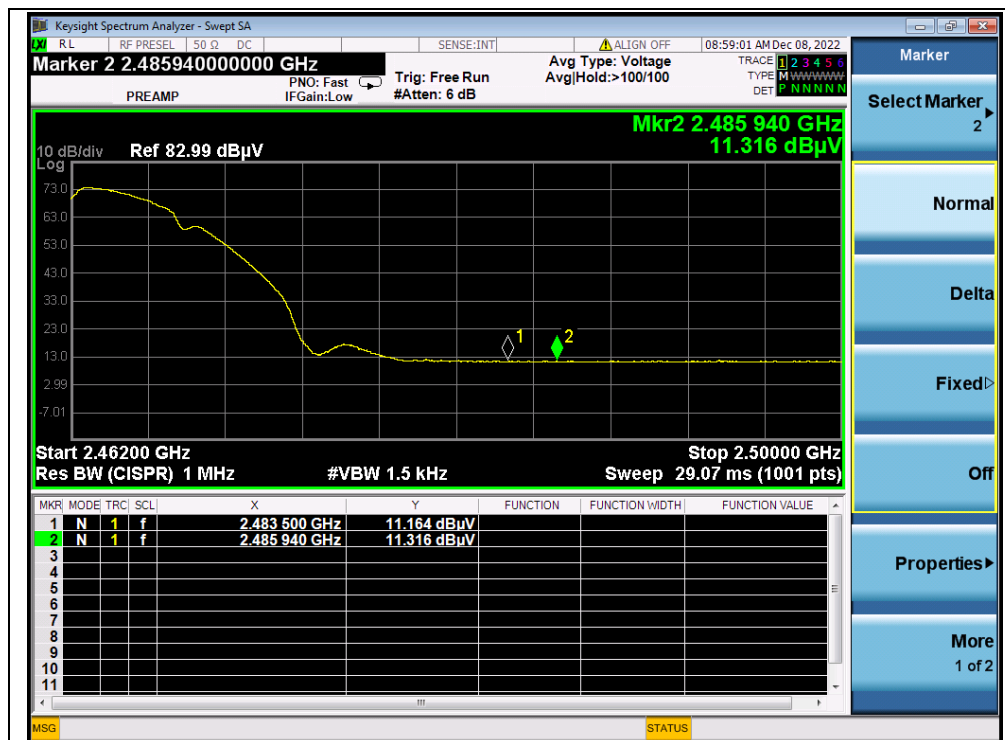
(PEAK, Channel 1, 802.11b)



(AVERAGE, Channel 1, 802.11b)



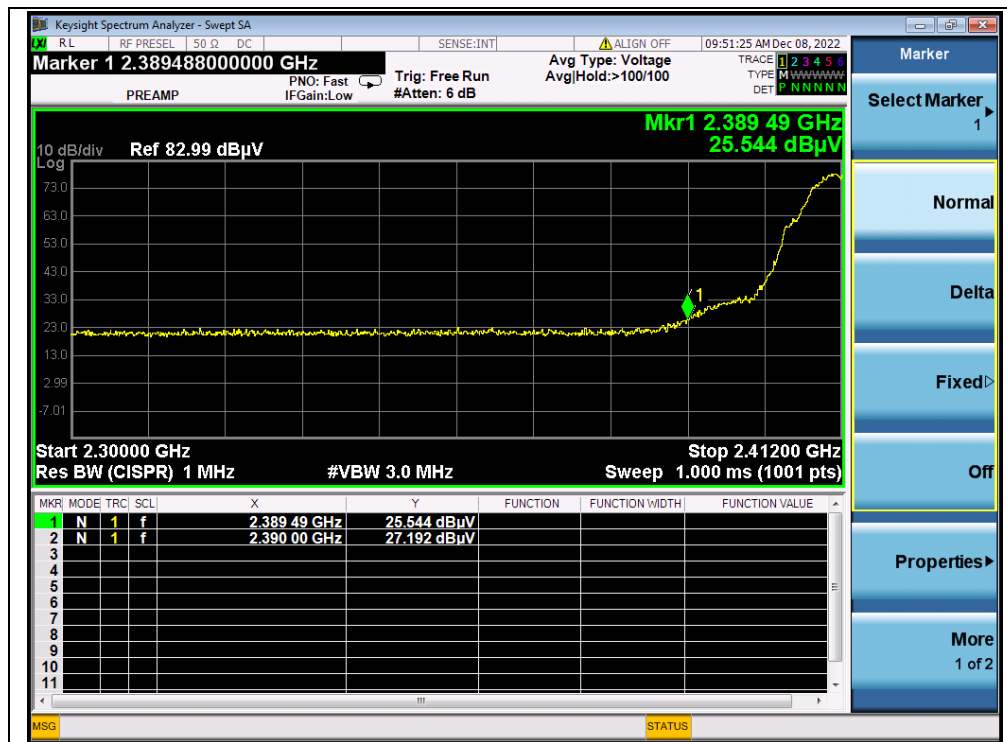
(PEAK, Channel 11, 802.11b)



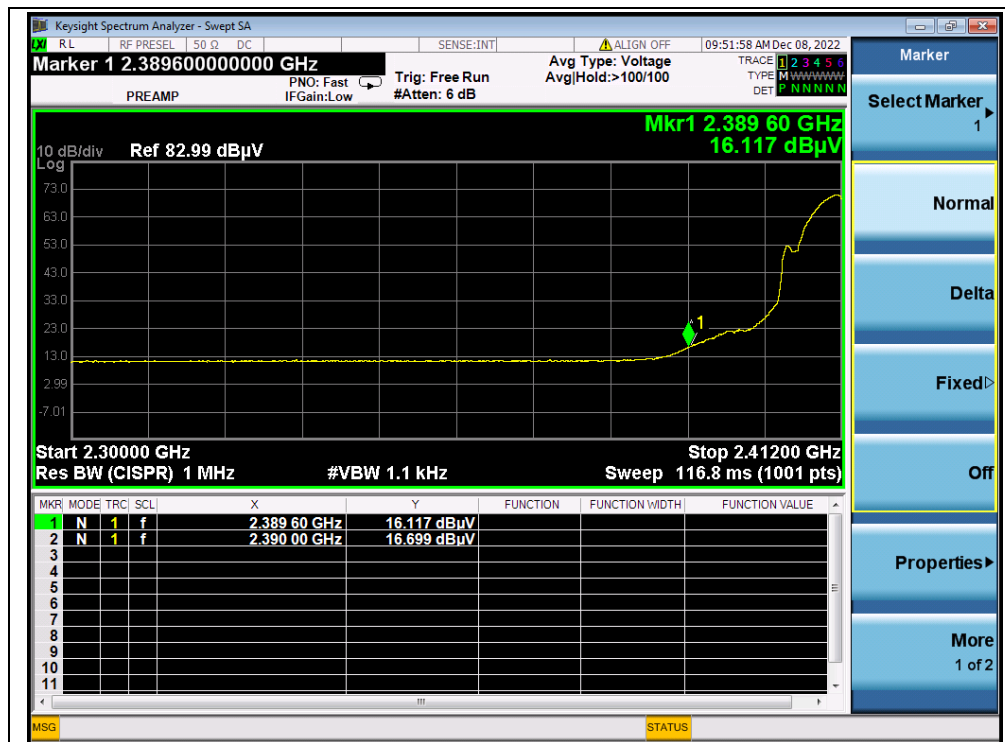
(AVERAGE, Channel 11, 802.11b)

**802.11g Mode**

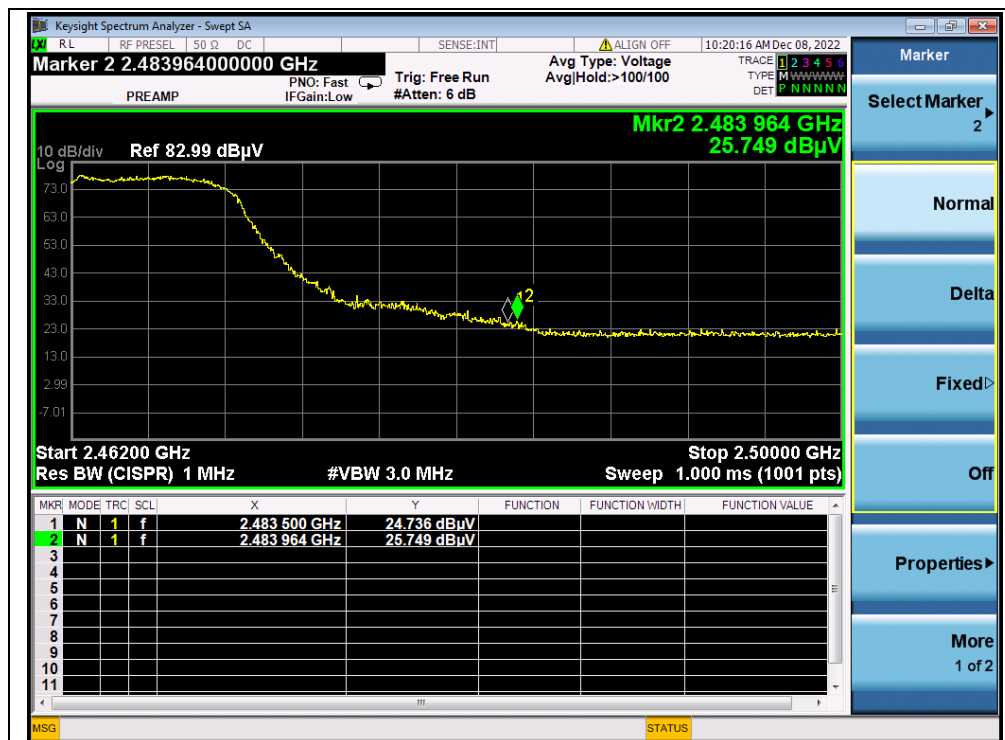
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
1	2390.00	PK	27.19	6.74	27.20	61.13	74	PASS
1	2390.00	AV	16.70	6.74	27.20	50.64	54	PASS
11	2483.96	PK	25.75	6.74	27.20	59.69	74	PASS
11	2483.50	AV	13.77	6.74	27.20	47.71	54	PASS



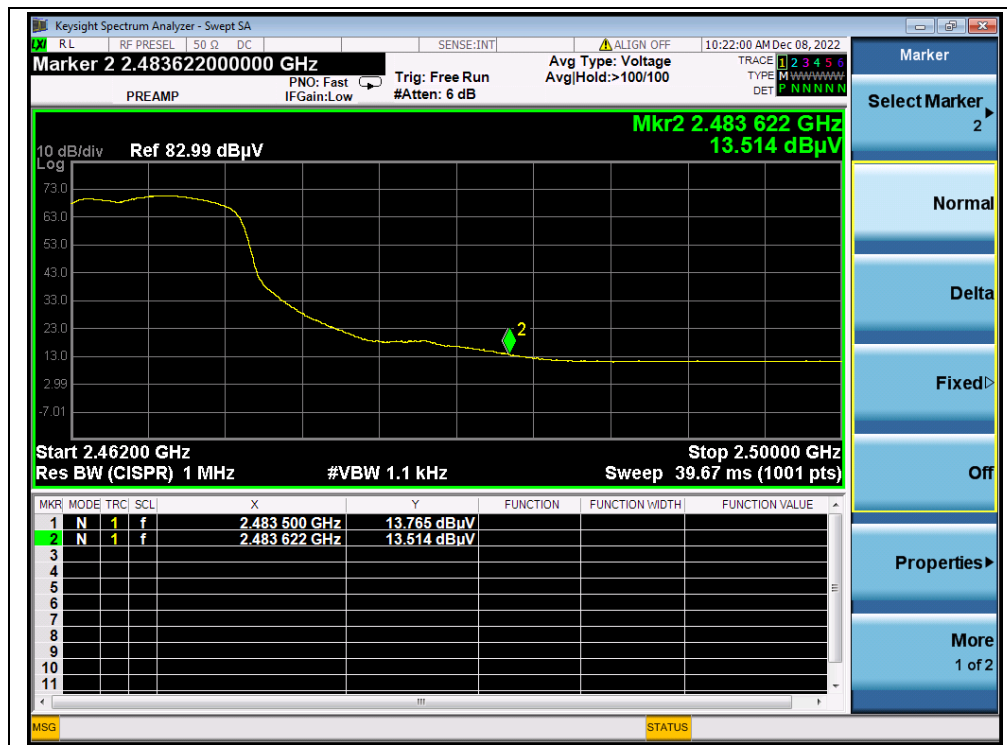
(PEAK, Channel 1, 802.11g)



(AVERAGE, Channel 1, 802.11g)



(PEAK, Channel 11, 802.11g)

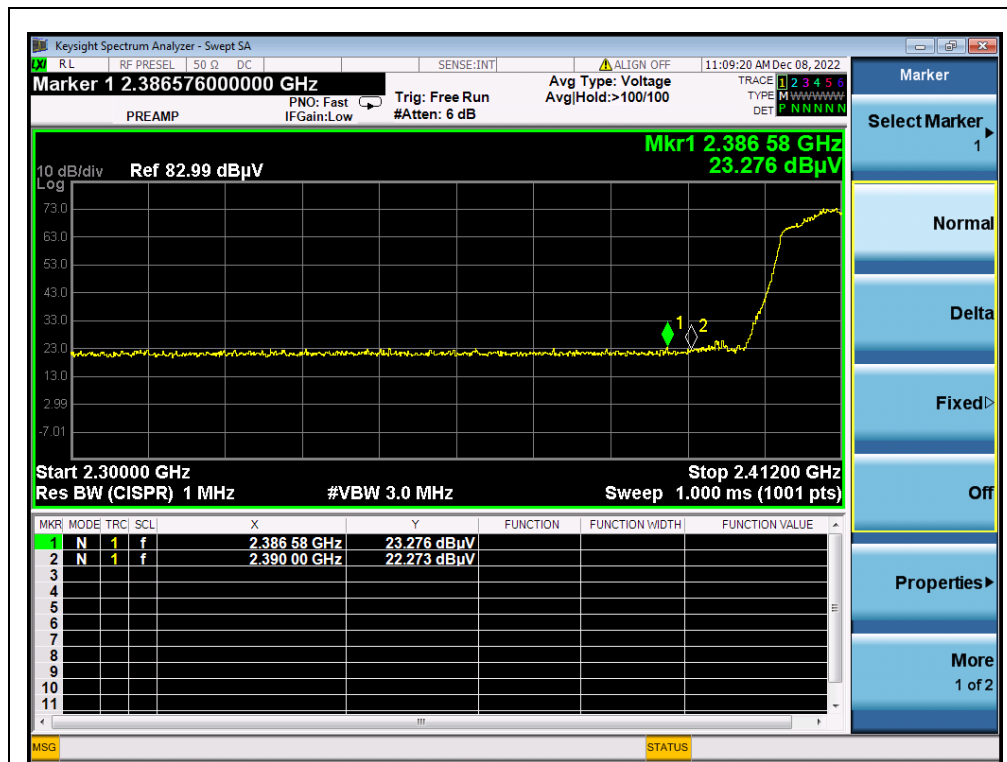


(AVERAGE, Channel 11, 802.11g)

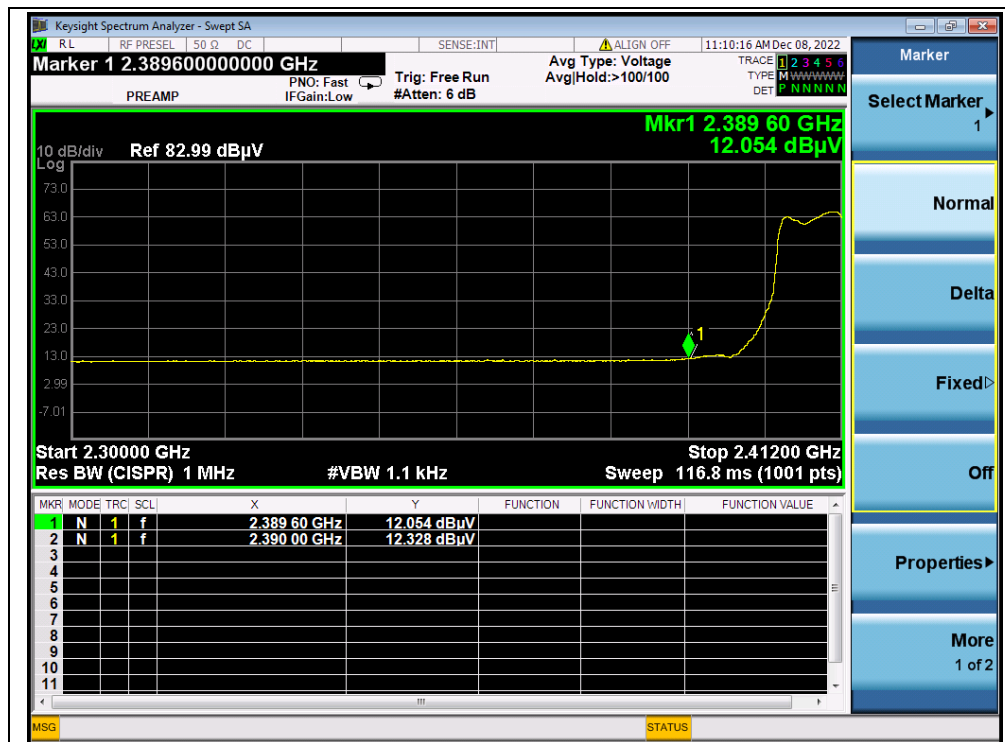


802.11n (HT20) Mode

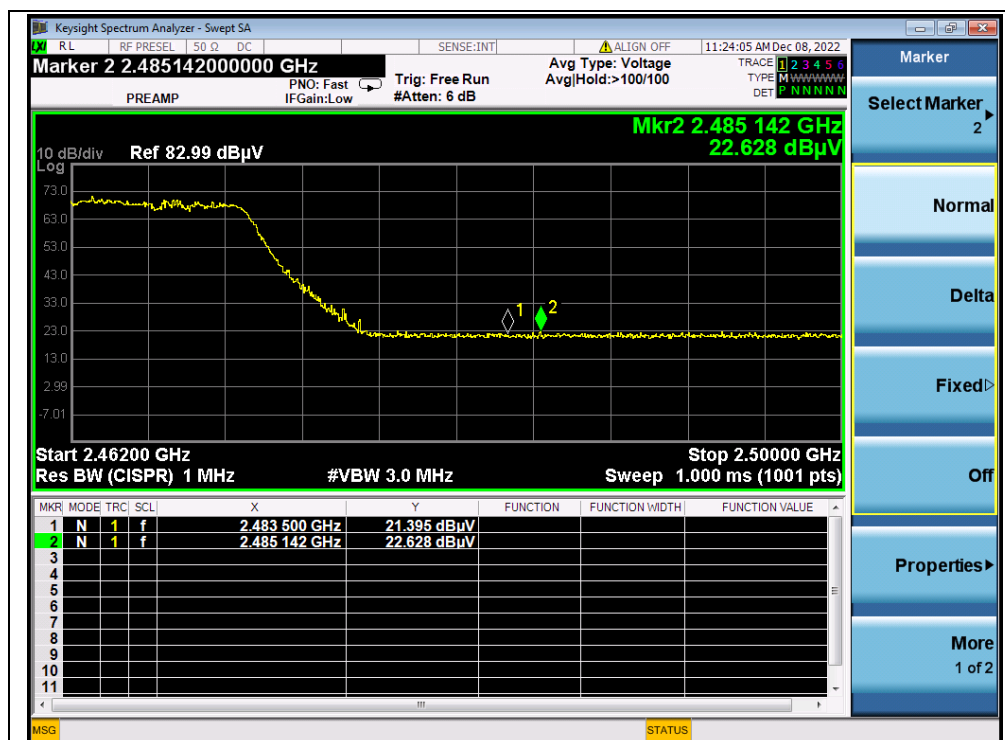
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
1	2386.58	PK	23.28	6.74	27.20	57.22	74	PASS
1	2390.00	AV	12.33	6.74	27.20	46.27	54	PASS
11	2485.14	PK	22.63	6.74	27.20	56.57	74	PASS
11	2484.88	AV	11.29	6.74	27.20	45.23	54	PASS



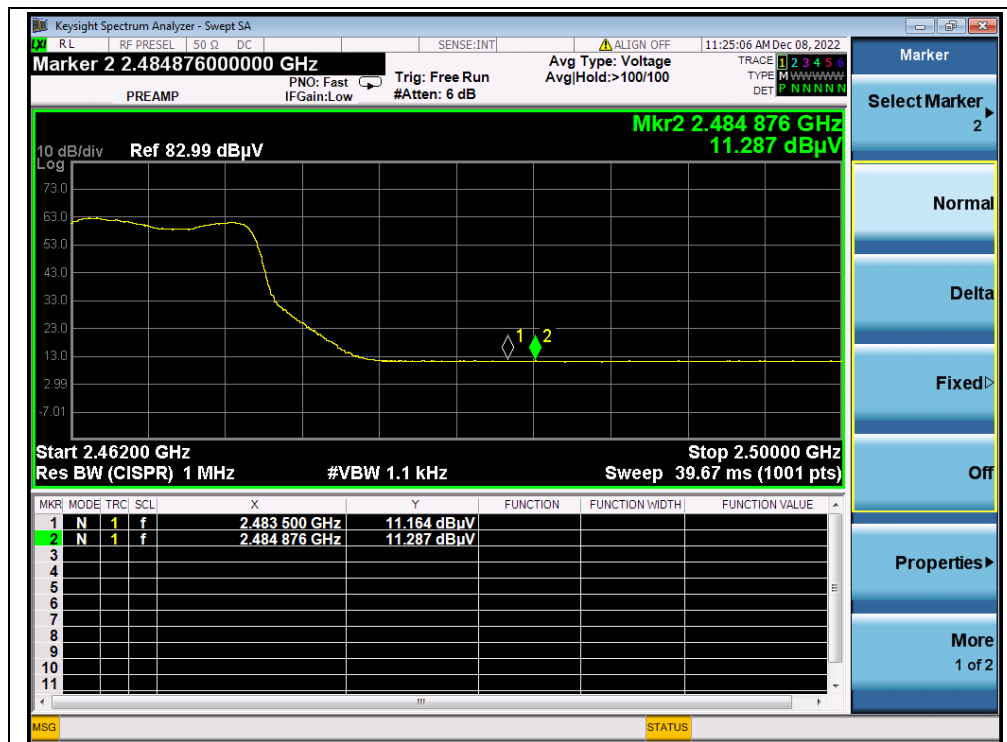
(PEAK, Channel 1, 802.11n (HT20))



(AVERAGE, Channel 1, 802.11n (HT20))



(PEAK, Channel 11, 802.11n (HT20))

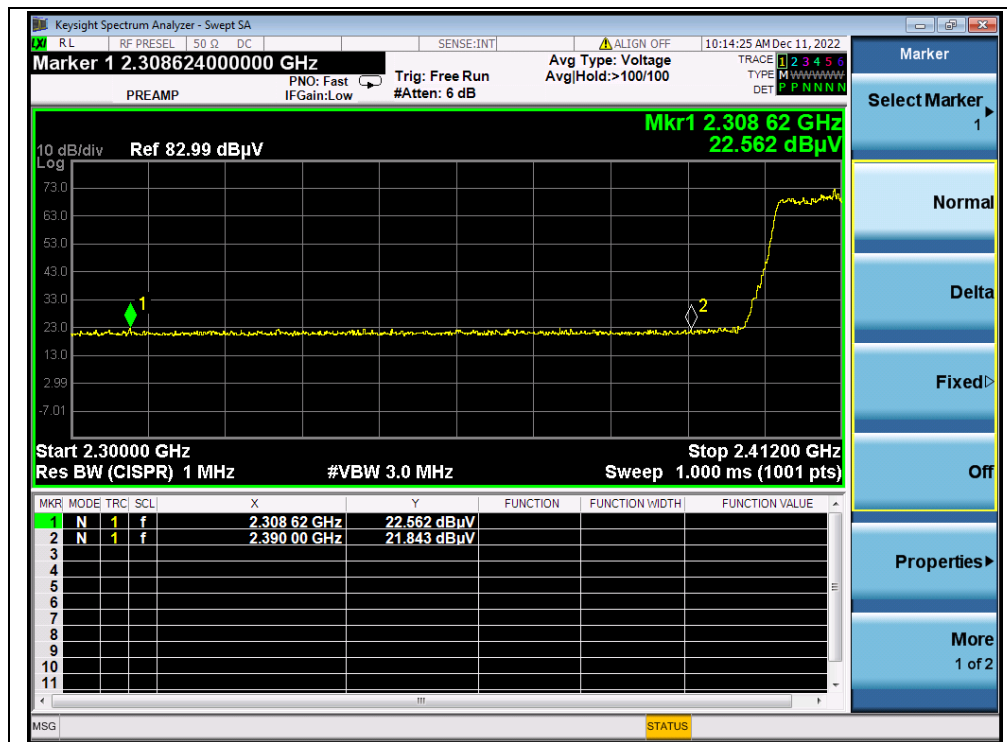


(AVERAGE, Channel 11, 802.11n (HT20))

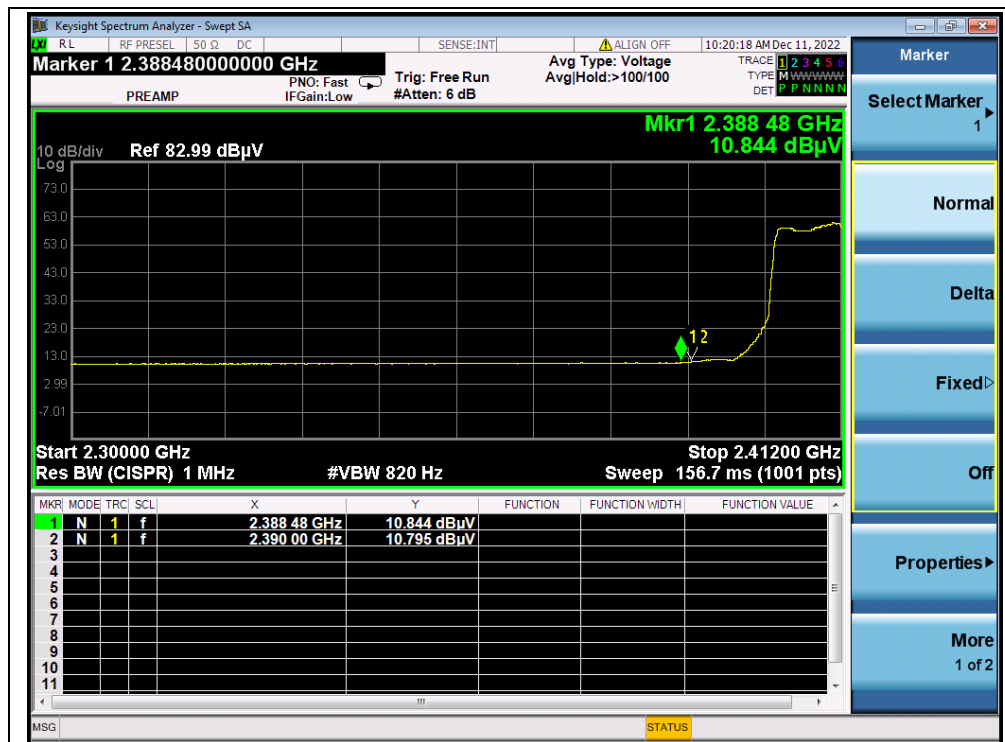


802.11ax (HEW20) Mode

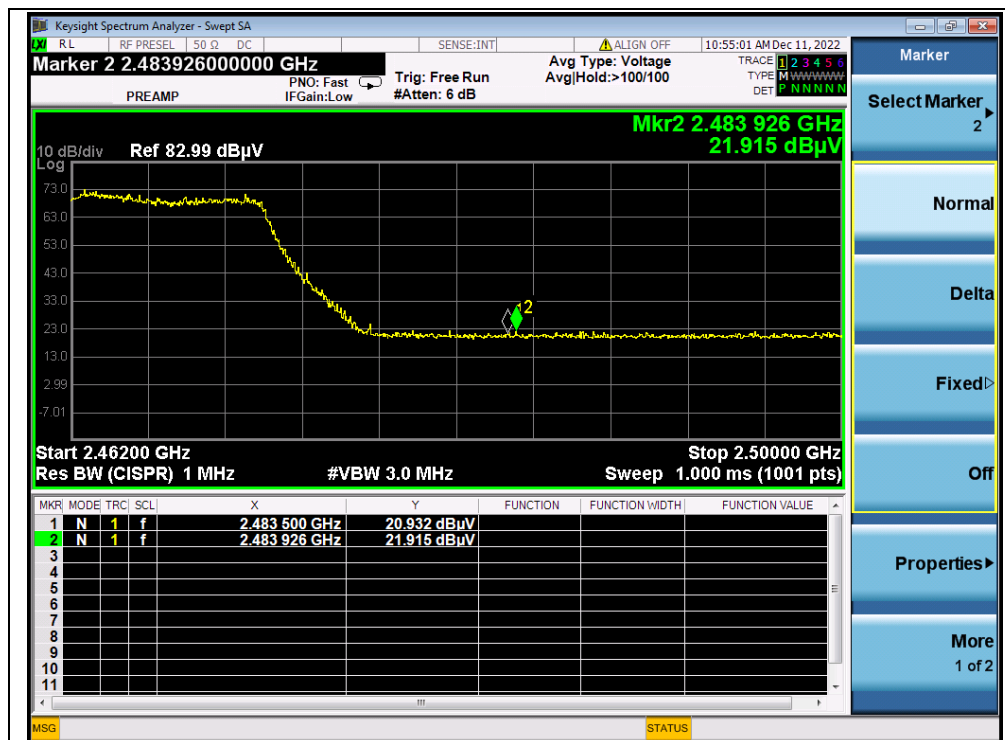
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
1	2308.62	PK	22.56	6.74	27.20	56.50	74	PASS
1	2388.48	AV	10.84	6.74	27.20	44.78	54	PASS
11	2483.93	PK	21.92	6.74	27.20	55.86	74	PASS
11	2483.50	AV	10.17	6.74	27.20	44.11	54	PASS



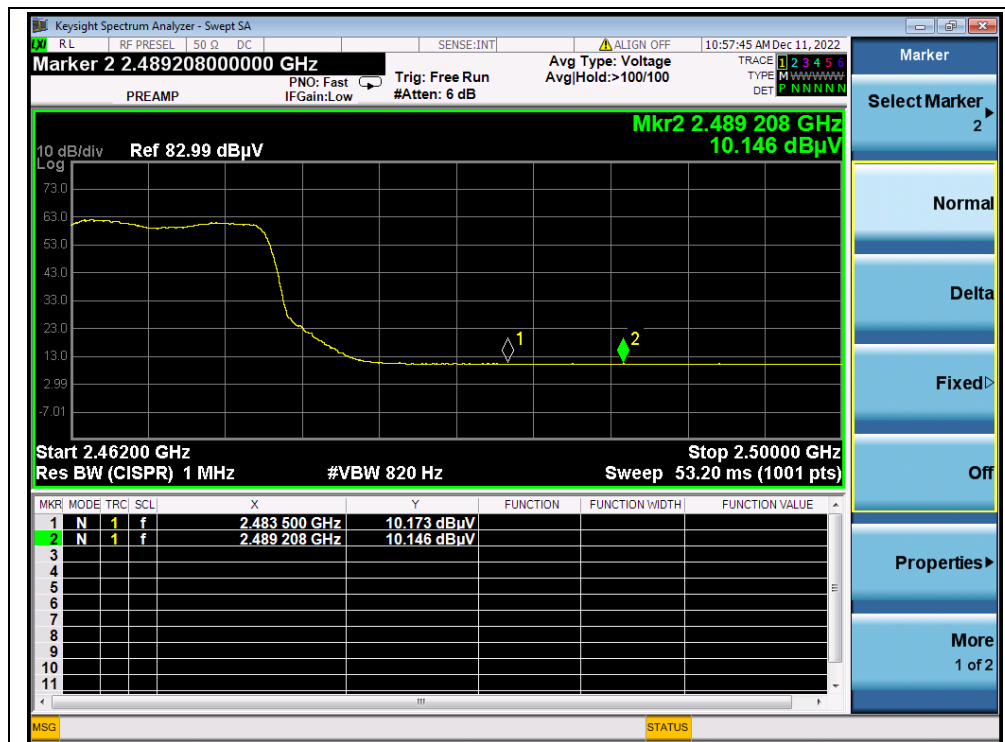
(PEAK, Channel 1, 802.11ax (HEW20))



(AVERAGE, Channel 1, 802.11ax (HEW20))



(PEAK, Channel 11, 802.11ax (HEW20))

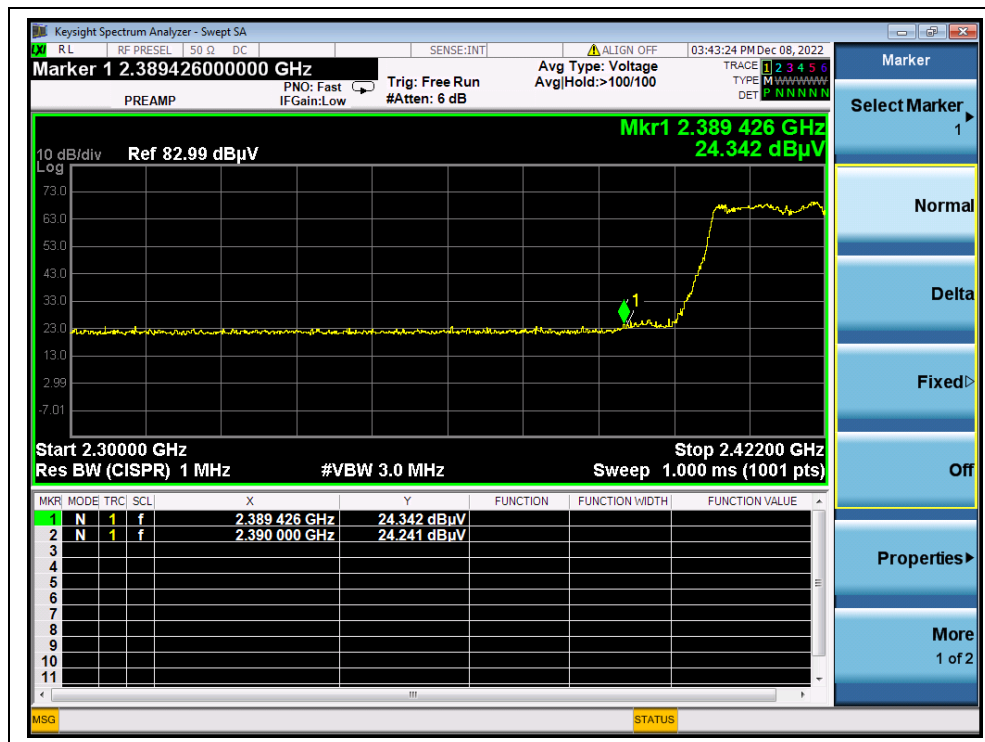


(AVERAGE, Channel 11, 802.11ax (HEW20))

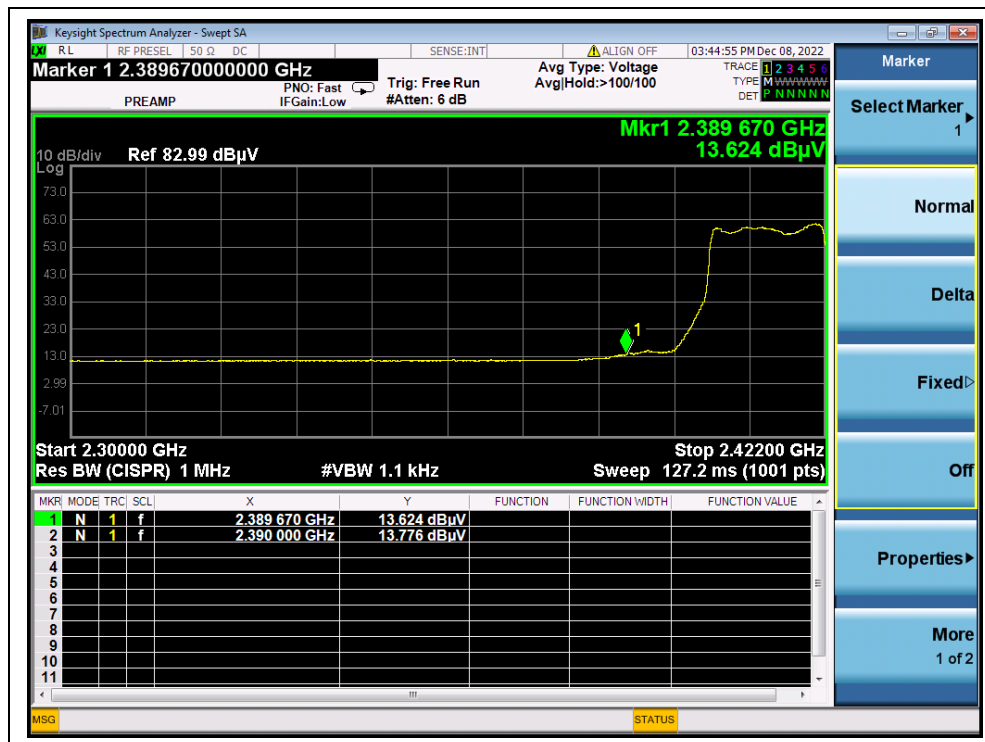


802.11n (HT40) Mode

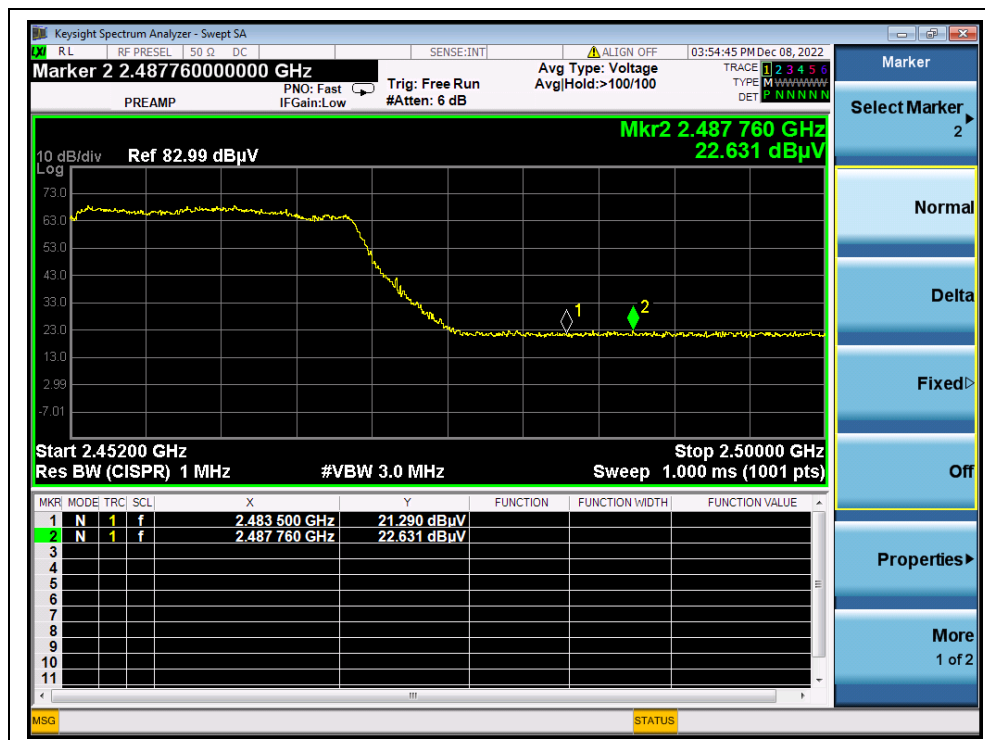
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
3	2389.43	PK	24.34	6.74	27.20	58.28	74	PASS
3	2390.00	AV	13.78	6.74	27.20	47.72	54	PASS
9	2487.76	PK	22.63	6.74	27.20	56.57	74	PASS
9	2483.50	AV	11.39	6.74	27.20	45.33	54	PASS



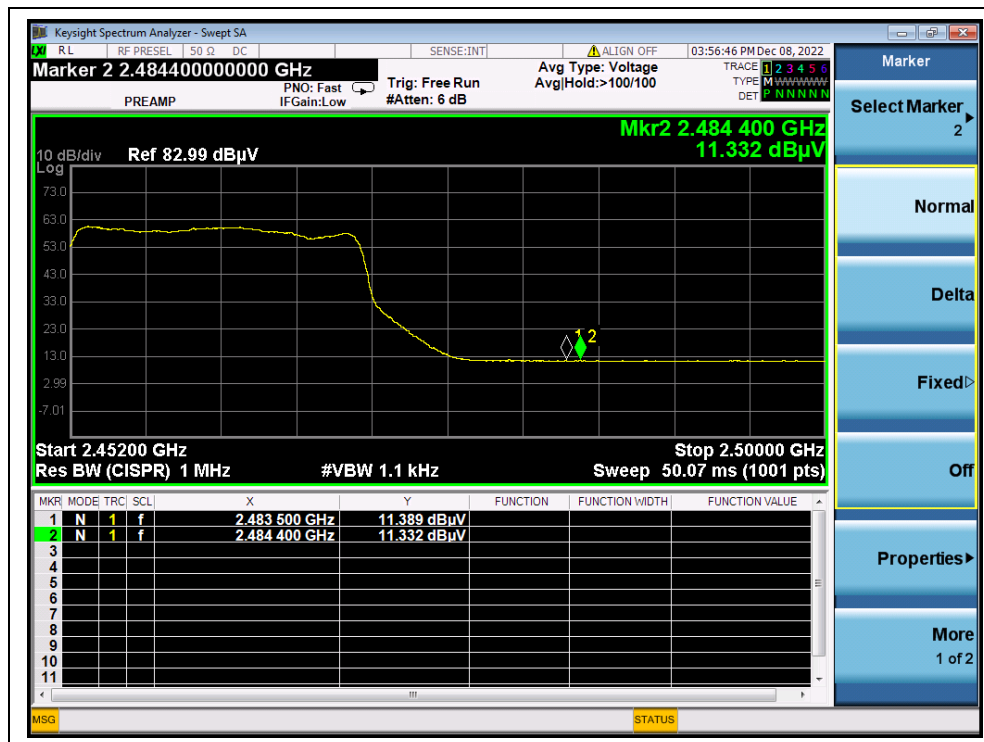
(PEAK, Channel 3, 802.11n (HT40))



(AVERAGE, Channel 3, 802.11n (HT40))



(PEAK, Channel 9, 802.11n (HT40))

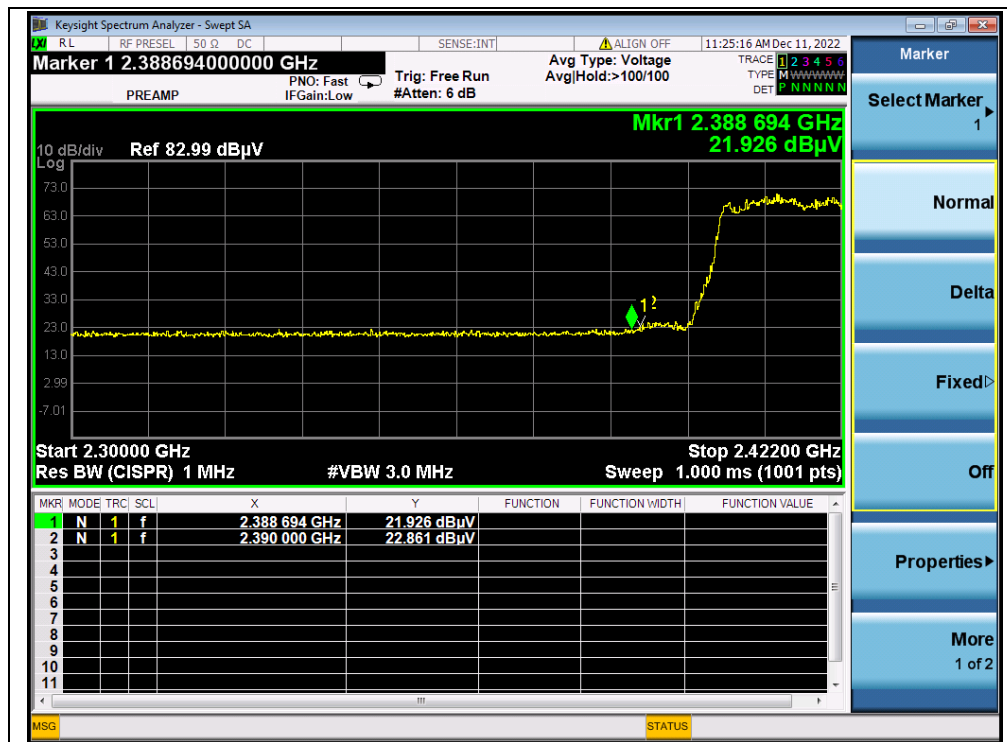


(AVERAGE, Channel 9, 802.11n (HT40))

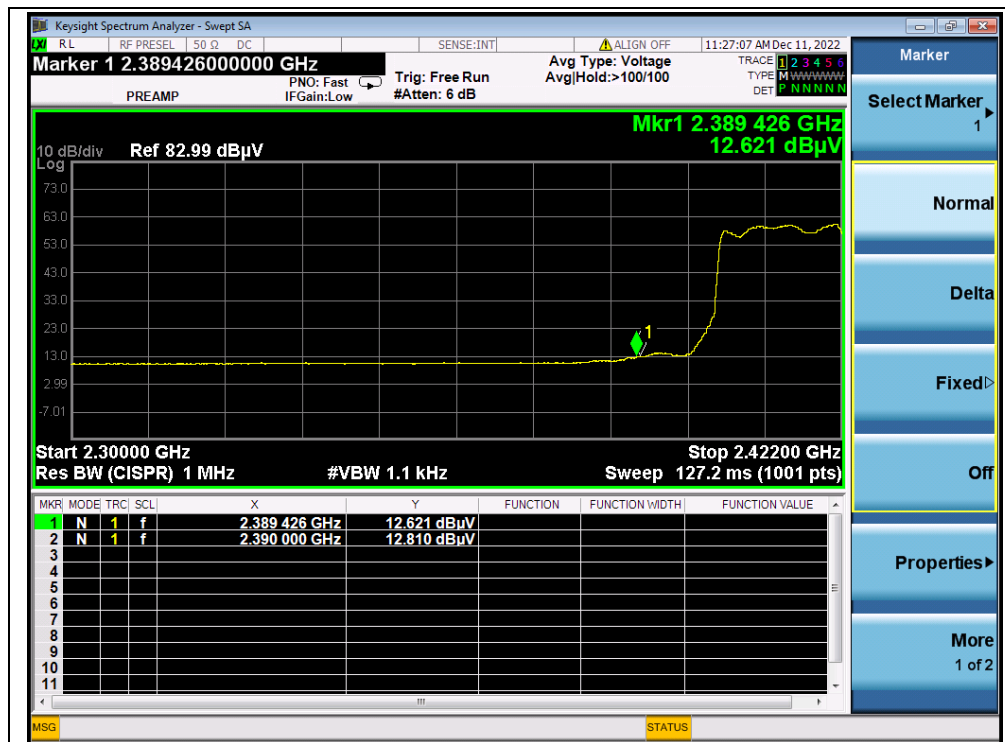


802.11ax (HEW40) Mode

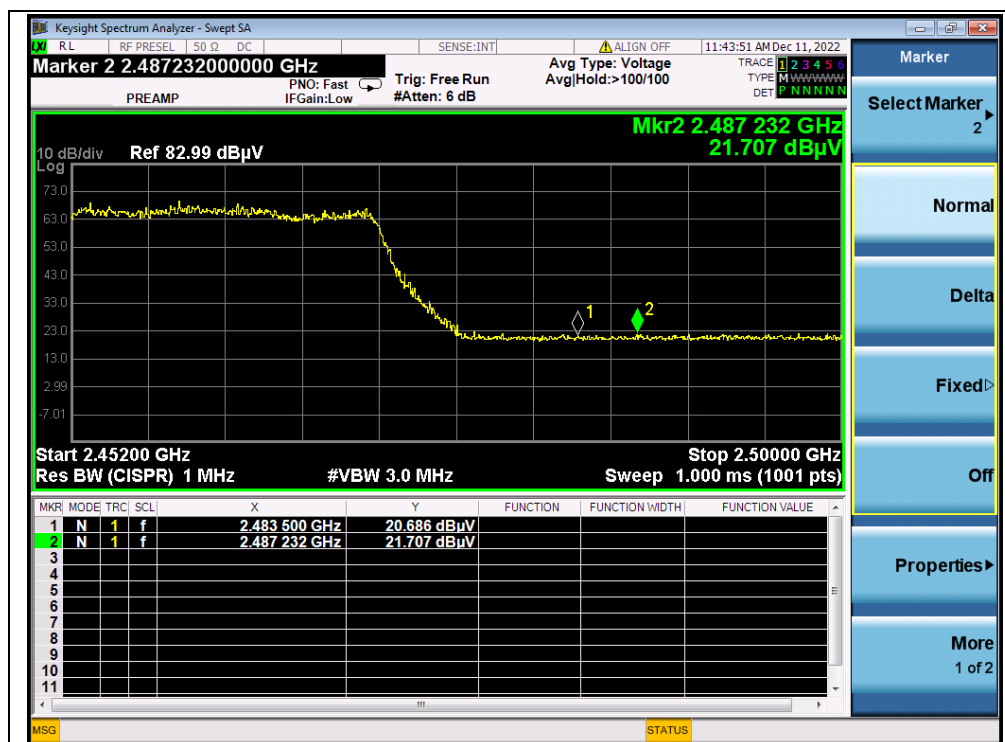
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
3	2390.00	PK	22.86	6.74	27.20	56.80	74	PASS
3	2390.00	AV	12.81	6.74	27.20	46.75	54	PASS
9	2487.23	PK	21.71	6.74	27.20	55.65	74	PASS
9	2489.30	AV	10.56	6.74	27.20	44.50	54	PASS



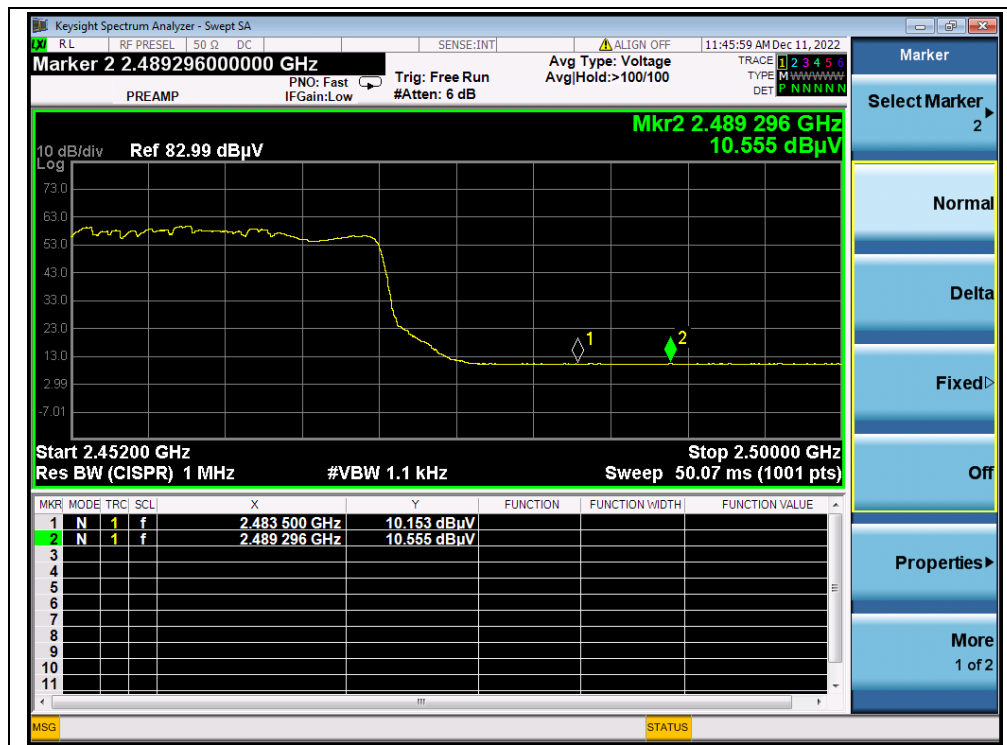
(PEAK, Channel 3, 802.11ax (HEW40))



(AVERAGE, Channel 3, 802.11ax (HEW40))



(PEAK, Channel 9, 802.11ax (HEW40))



(AVERAGE, Channel 9, 802.11ax (HEW40))



A.10. 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.

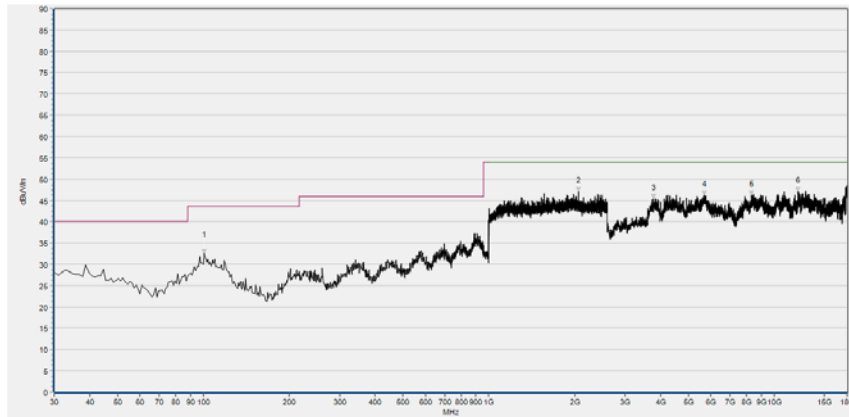
Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

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.

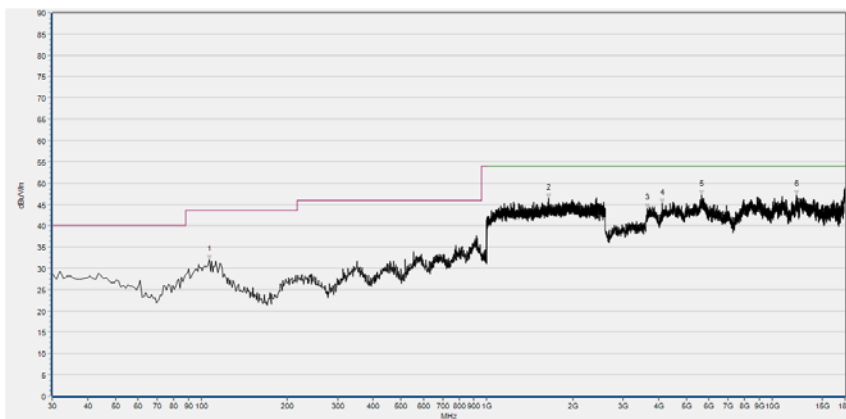
**802.11b Mode**

Plot for Channel 1



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	32.54	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2062.933	47.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3770.400	45.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5689.240	46.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8334.960	46.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12126.440	47.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

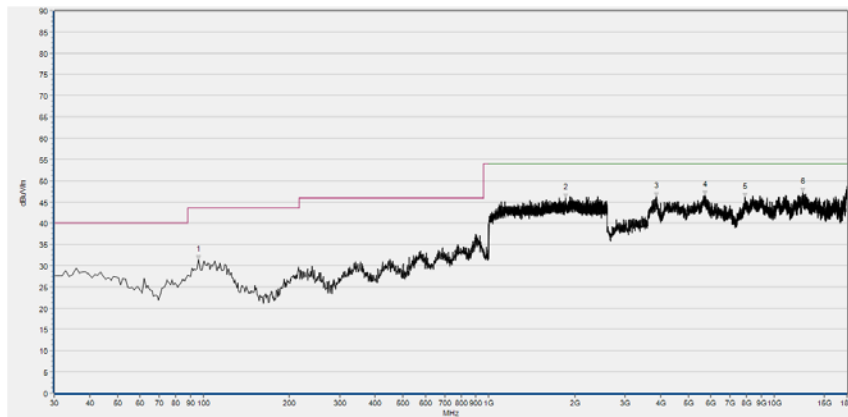


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	32.09	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1643.200	46.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3647.200	44.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4124.600	45.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5661.520	47.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12194.200	47.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

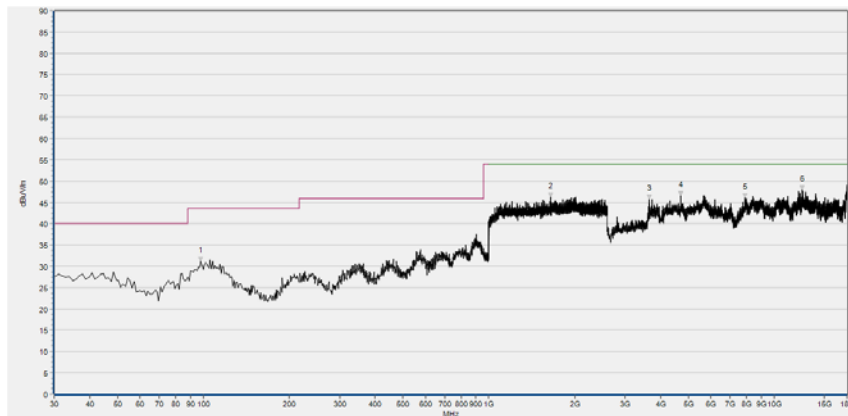


Plot for Channel 6



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	31.27	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1858.133	46.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3872.040	46.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5701.560	46.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7913.000	46.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12582.280	47.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

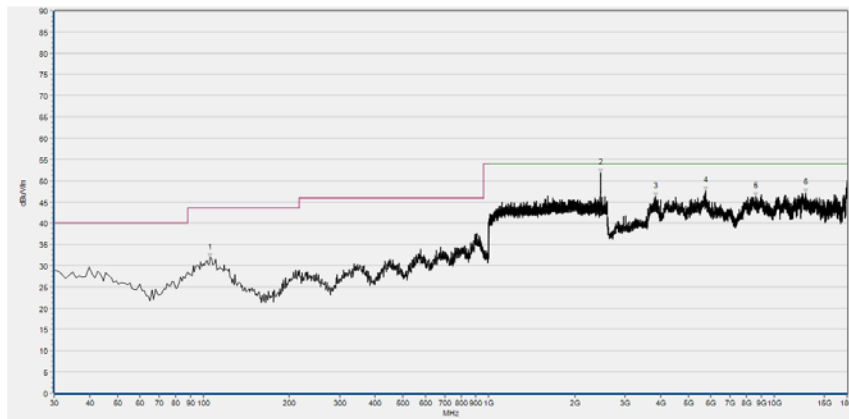
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.900	31.16	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1642.133	46.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3650.280	45.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4712.880	46.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7897.600	46.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12505.280	47.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

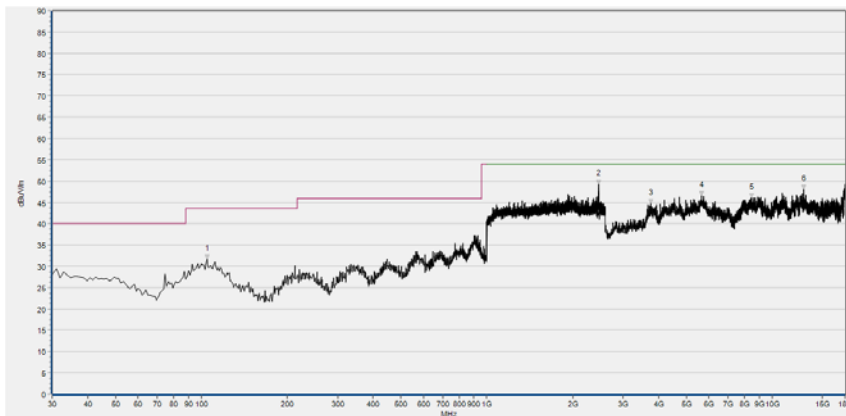
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	31.77	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2461.867	51.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3832.000	46.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5738.520	47.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8596.760	46.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12911.840	47.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

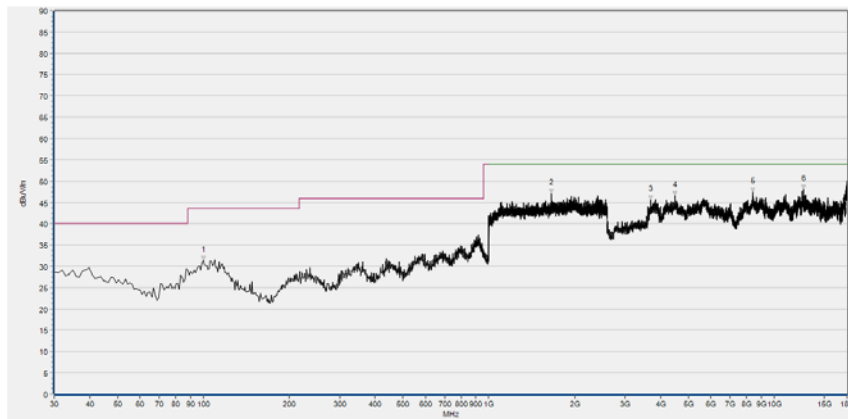


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	31.64	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2464.000	49.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3758.080	44.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5643.040	46.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8442.760	46.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12884.120	48.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

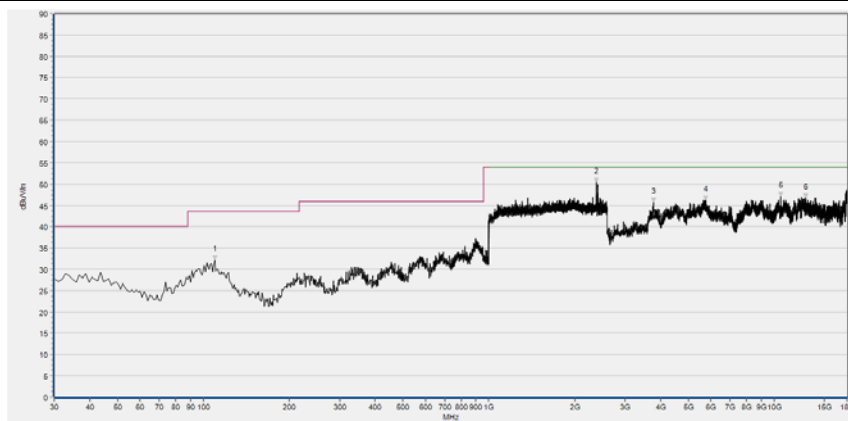
**802.11g Mode**

Plot for Channel 1



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	31.34	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1657.067	47.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3693.400	45.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4491.120	46.63	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8427.360	47.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12690.080	48.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

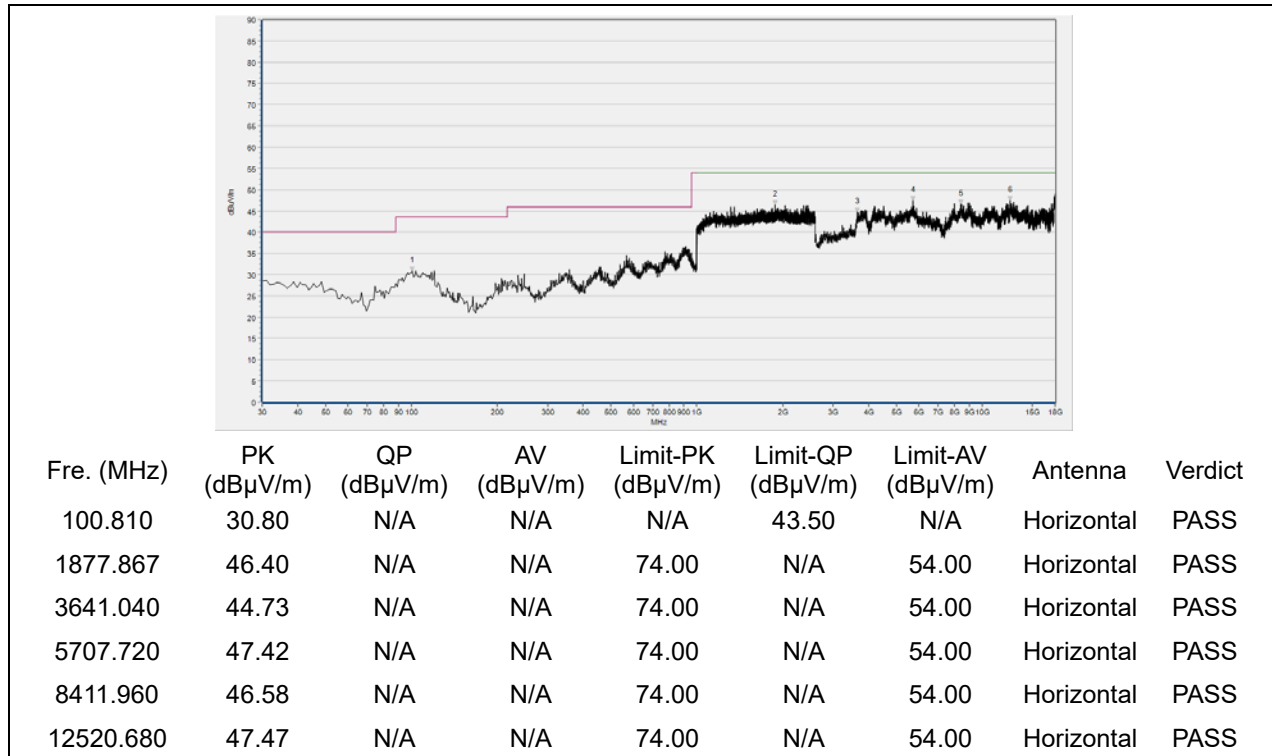
(Antenna Horizontal, 30MHz to 18GHz)



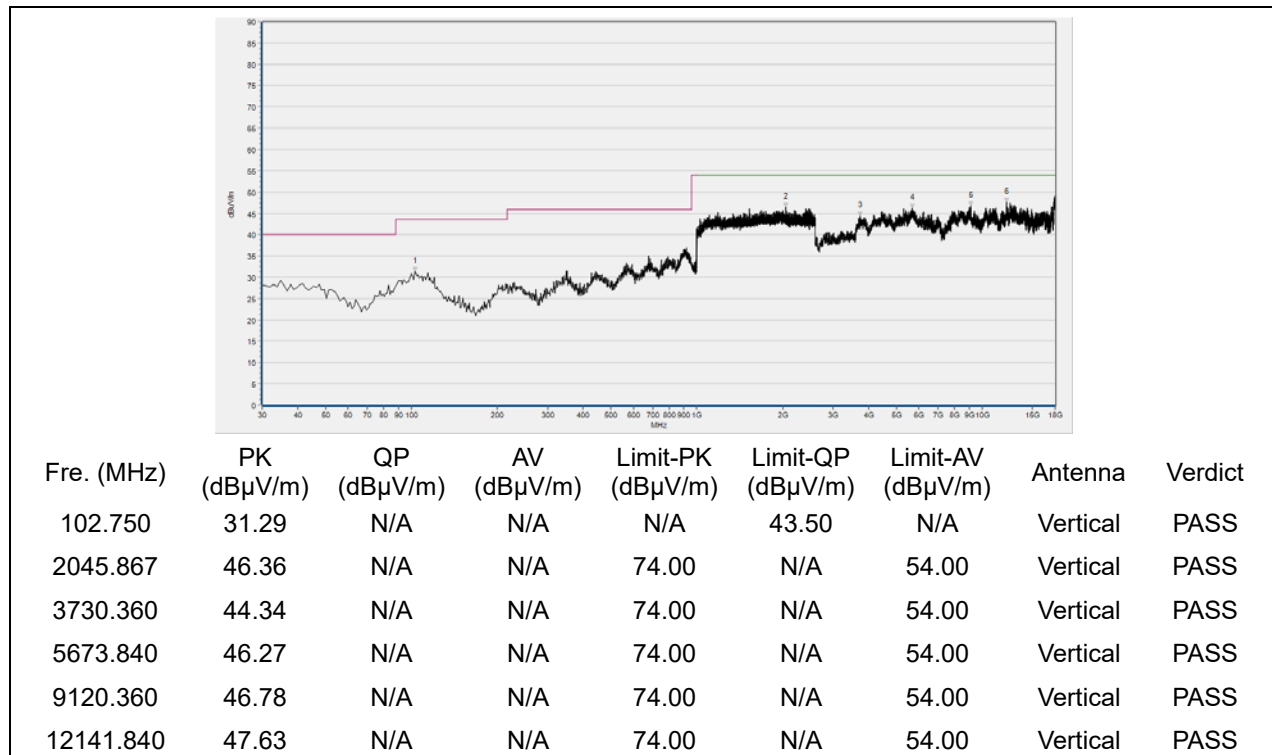
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	32.25	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2384.000	50.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3782.720	45.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5738.520	46.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10509.440	47.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12899.520	46.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6

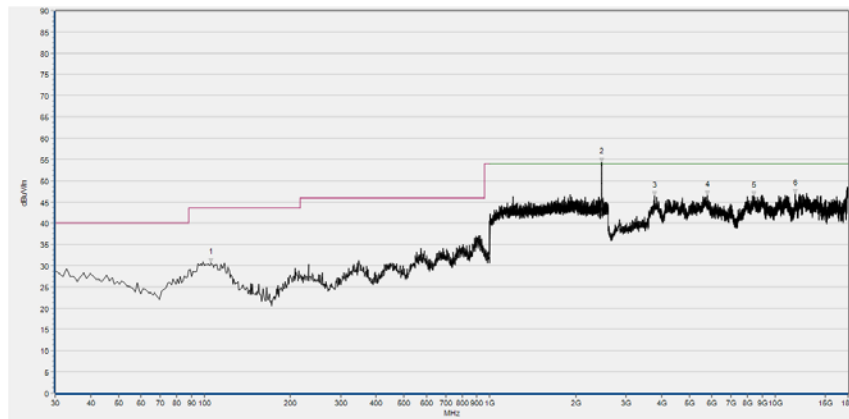


(Antenna Horizontal, 30MHz to 18GHz)



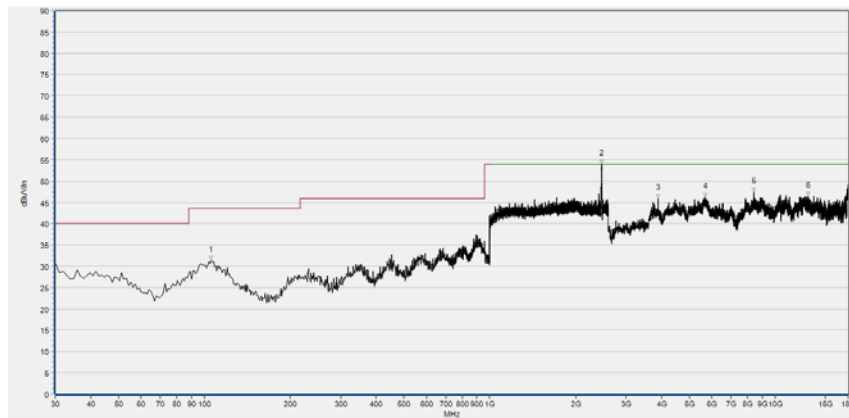
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



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	30.73	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2463.467	54.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3776.560	46.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5800.120	46.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8421.200	46.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11750.680	47.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

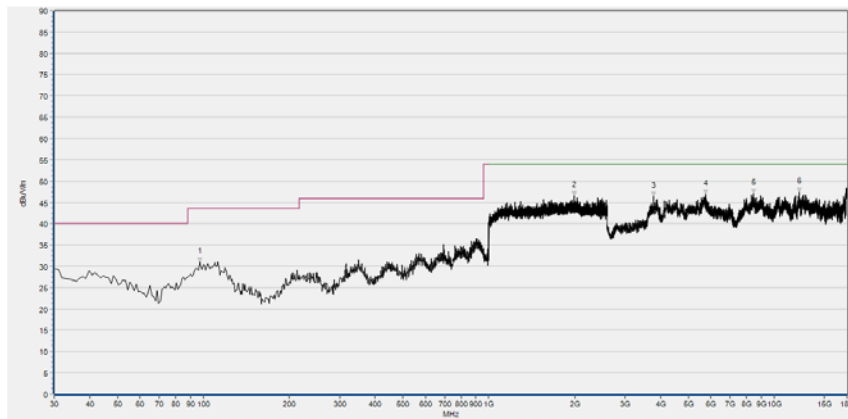


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	31.37	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2466.667	54.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3881.280	45.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5686.160	46.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8415.040	47.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13038.120	46.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

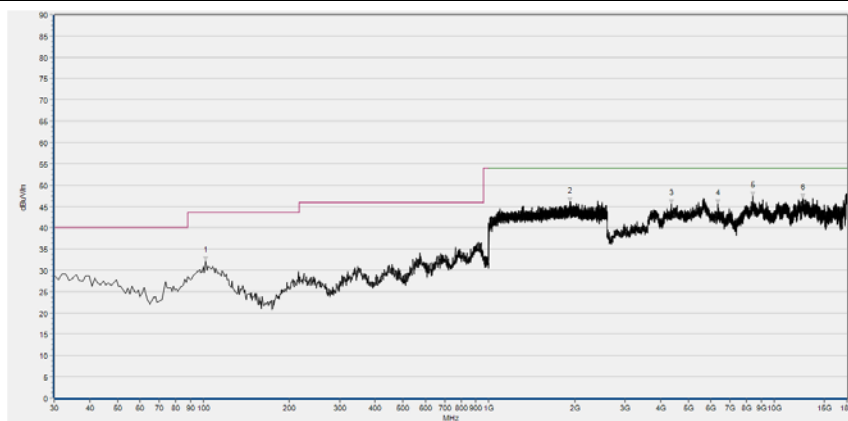
**802.11n (HT20) Mode**

Plot for Channel 1



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
96.930	30.98	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1986.133	46.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3782.720	46.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5750.840	46.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8436.600	47.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12200.360	47.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

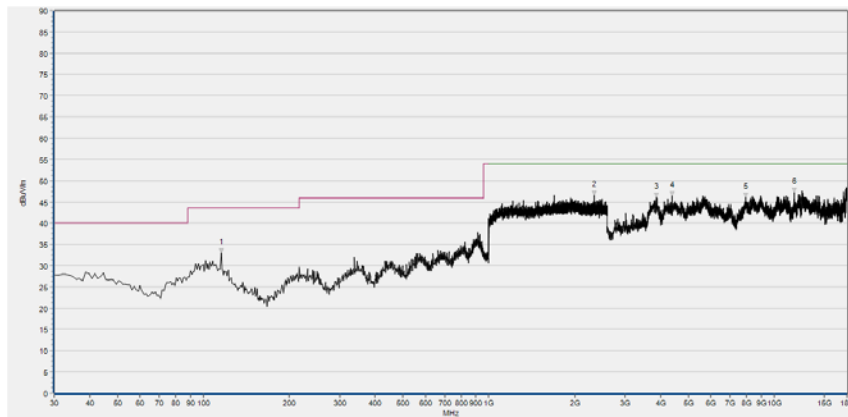


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	32.19	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1925.867	46.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4364.840	45.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6336.040	45.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8427.360	47.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12582.280	46.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

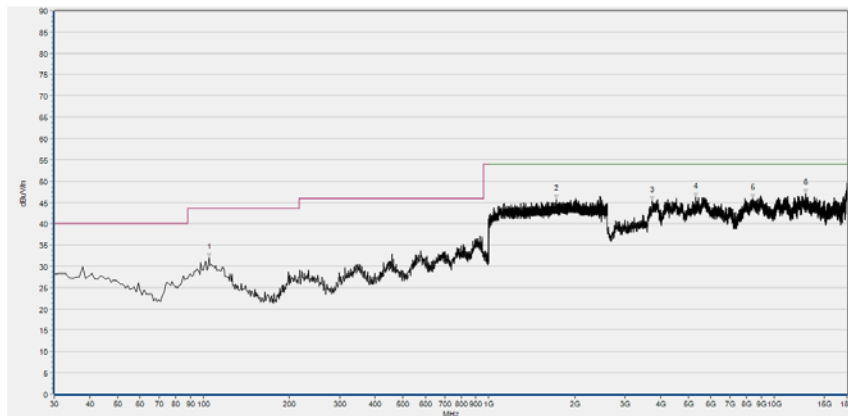


Plot for Channel 6



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	33.09	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2337.600	46.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3862.800	46.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4377.160	46.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7931.480	46.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11747.600	47.30	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

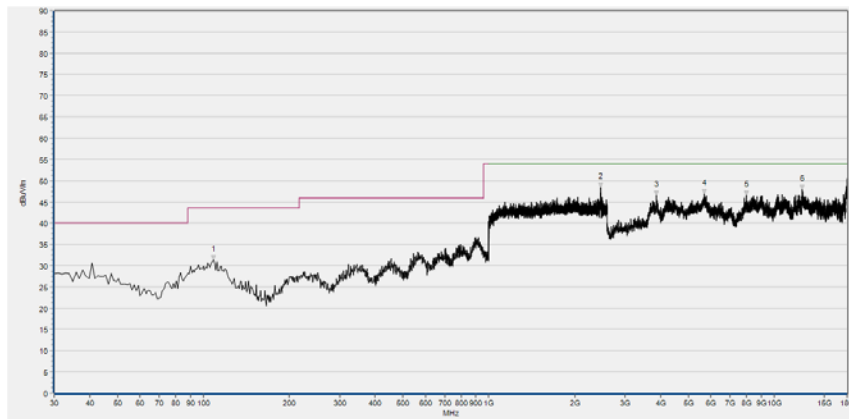
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	31.94	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1720.533	45.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3739.600	45.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5301.160	46.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8408.880	45.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12908.760	47.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

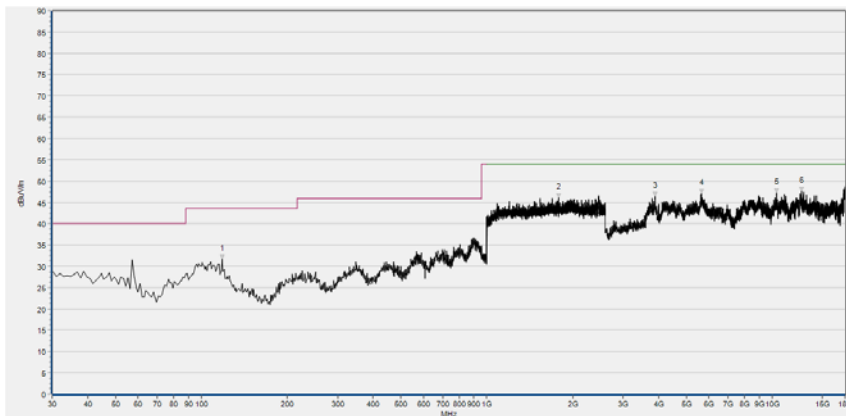
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



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	31.41	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2462.933	48.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3865.880	46.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5698.480	46.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8005.400	46.67	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12505.280	47.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

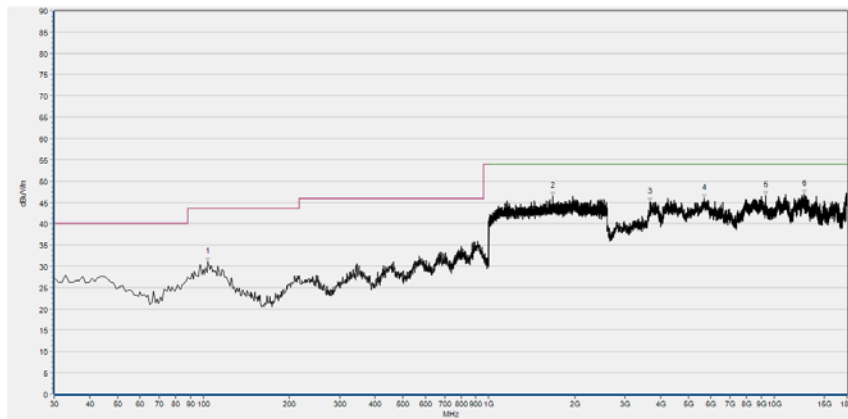


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
118.270	31.64	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1785.067	46.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3890.520	46.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5658.440	47.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10367.760	47.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12680.840	47.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

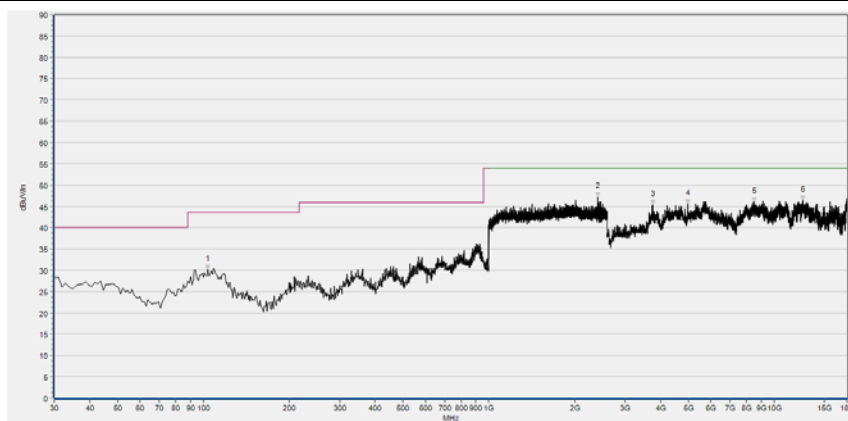
**802.11ax (HEW20) Mode**

Plot for Channel 1



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	31.02	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1674.133	46.49	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3674.920	45.14	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5676.920	45.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9354.440	46.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12739.360	46.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

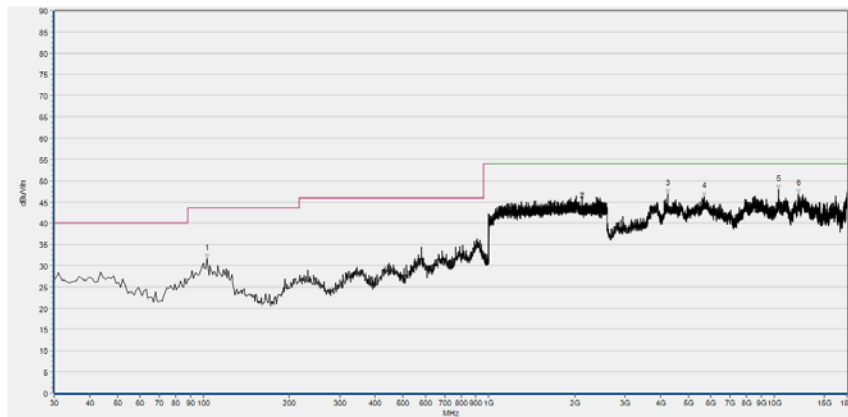


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.720	30.22	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2404.267	47.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3748.840	45.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4974.680	45.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8501.280	46.09	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12597.680	46.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

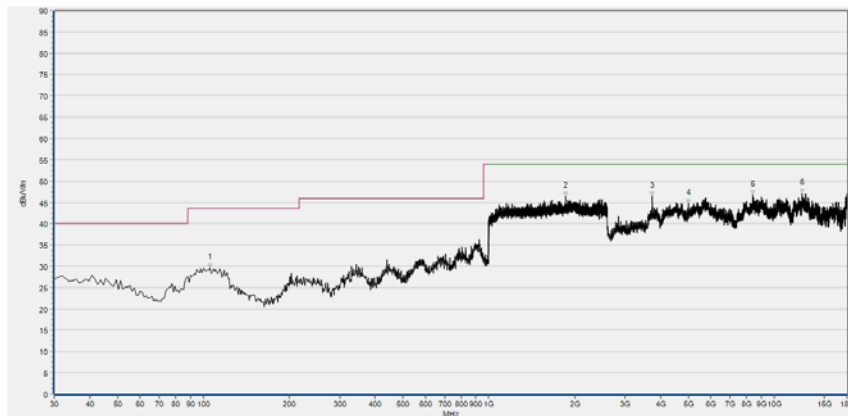


Plot for Channel 6



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	31.64	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2124.267	46.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4226.240	46.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5686.160	46.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10349.280	47.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12129.520	46.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

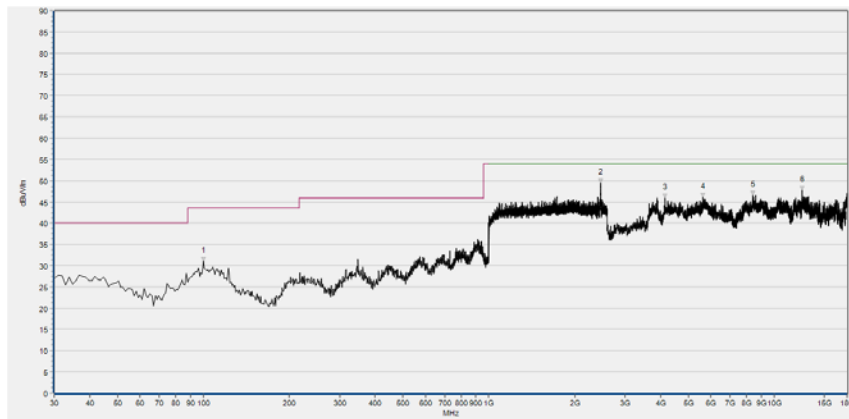


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	29.59	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1859.200	46.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3742.680	46.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4999.320	44.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8415.040	46.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12539.160	47.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

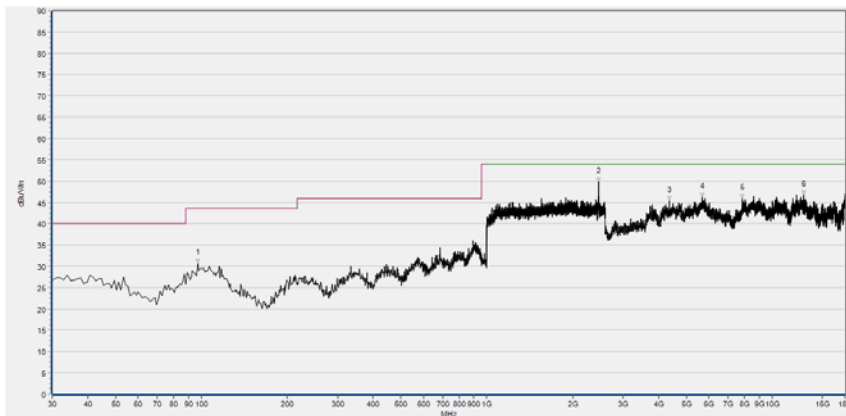


Plot for Channel 11



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	30.95	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2464.533	49.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4152.320	45.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5624.560	46.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8424.280	46.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12517.600	47.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

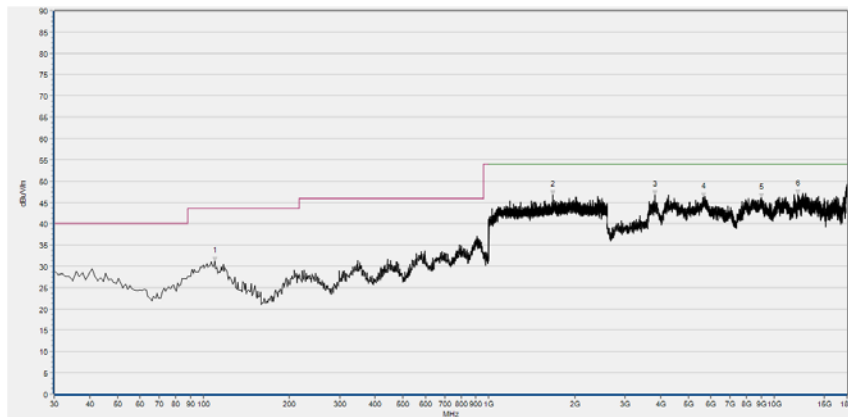


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
96.930	30.68	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2466.667	49.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4352.520	45.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5686.160	46.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7848.320	45.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12896.440	46.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

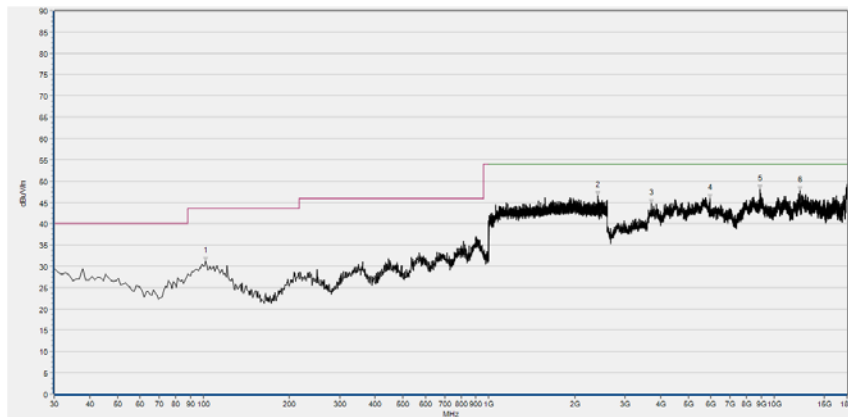
**802.11n (HT40) Mode**

Plot for Channel 3



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	31.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1676.800	46.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3813.520	46.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5646.120	46.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9003.320	46.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12089.480	46.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

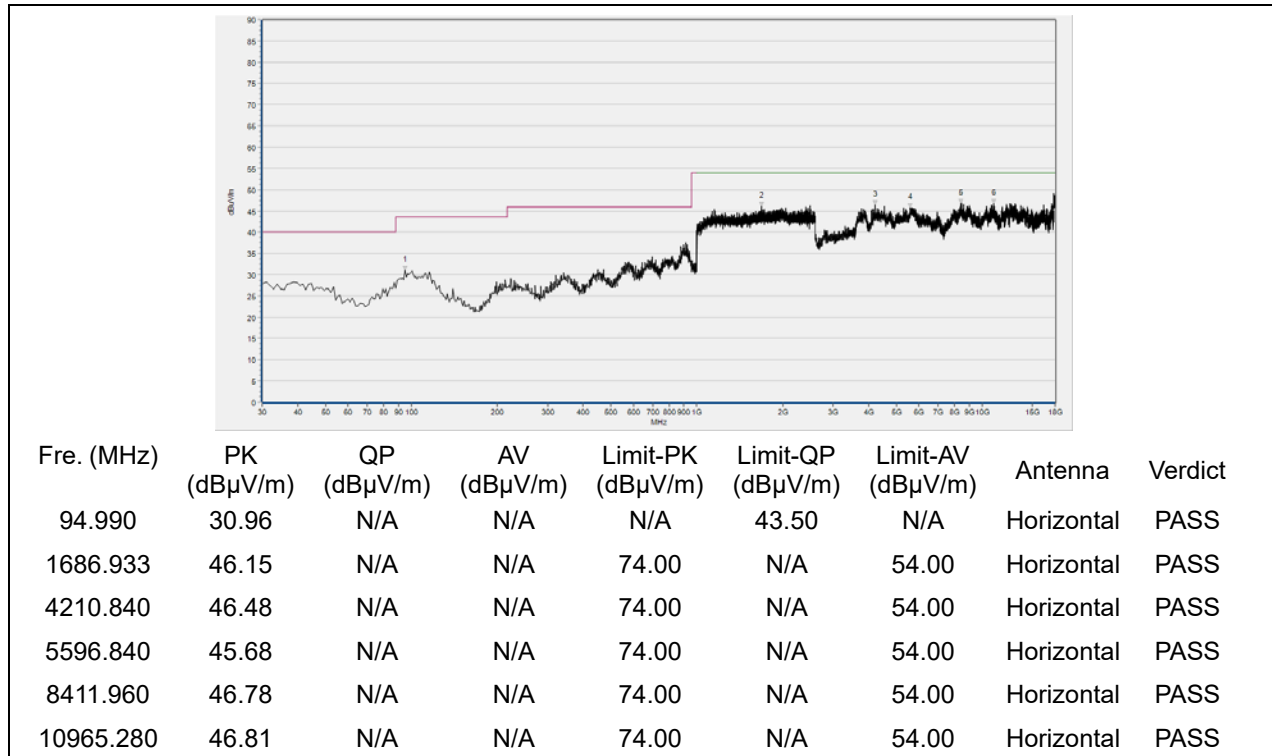
(Antenna Horizontal, 30MHz to 18GHz)



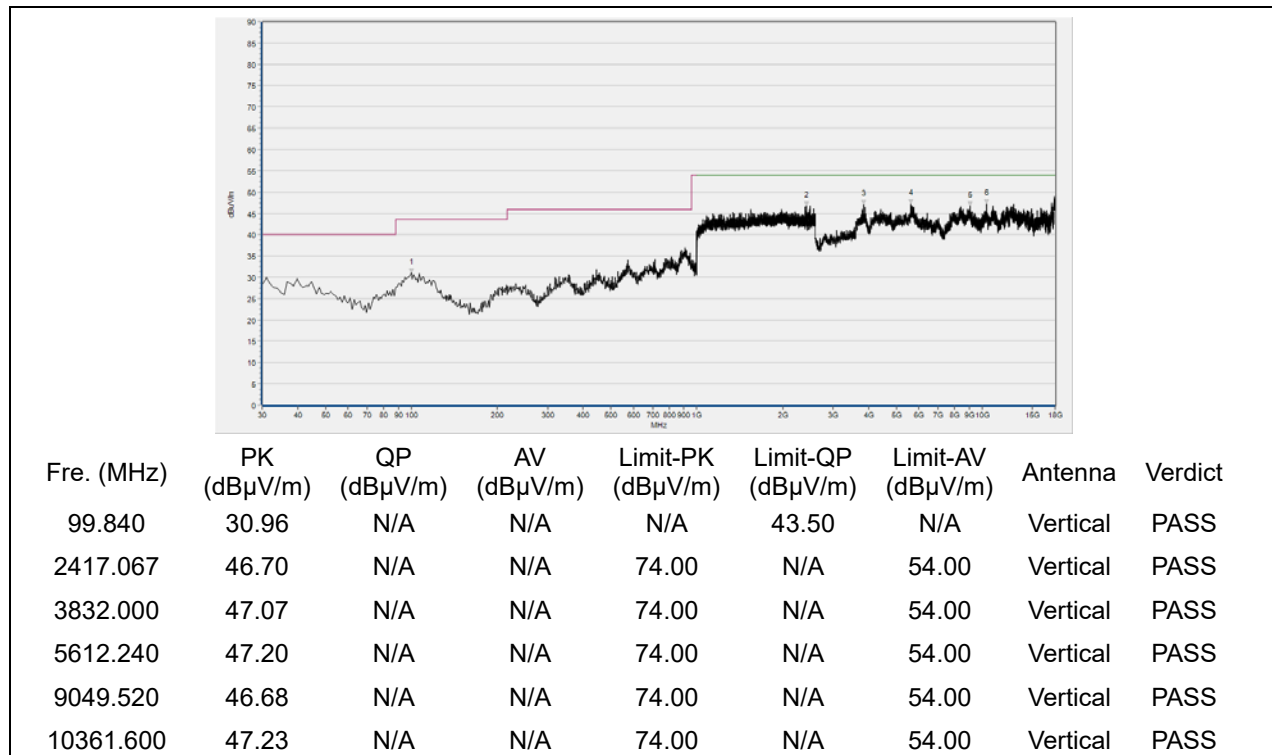
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	31.13	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2408.533	46.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3711.880	44.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5969.520	45.90	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8914.000	48.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12277.360	47.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6

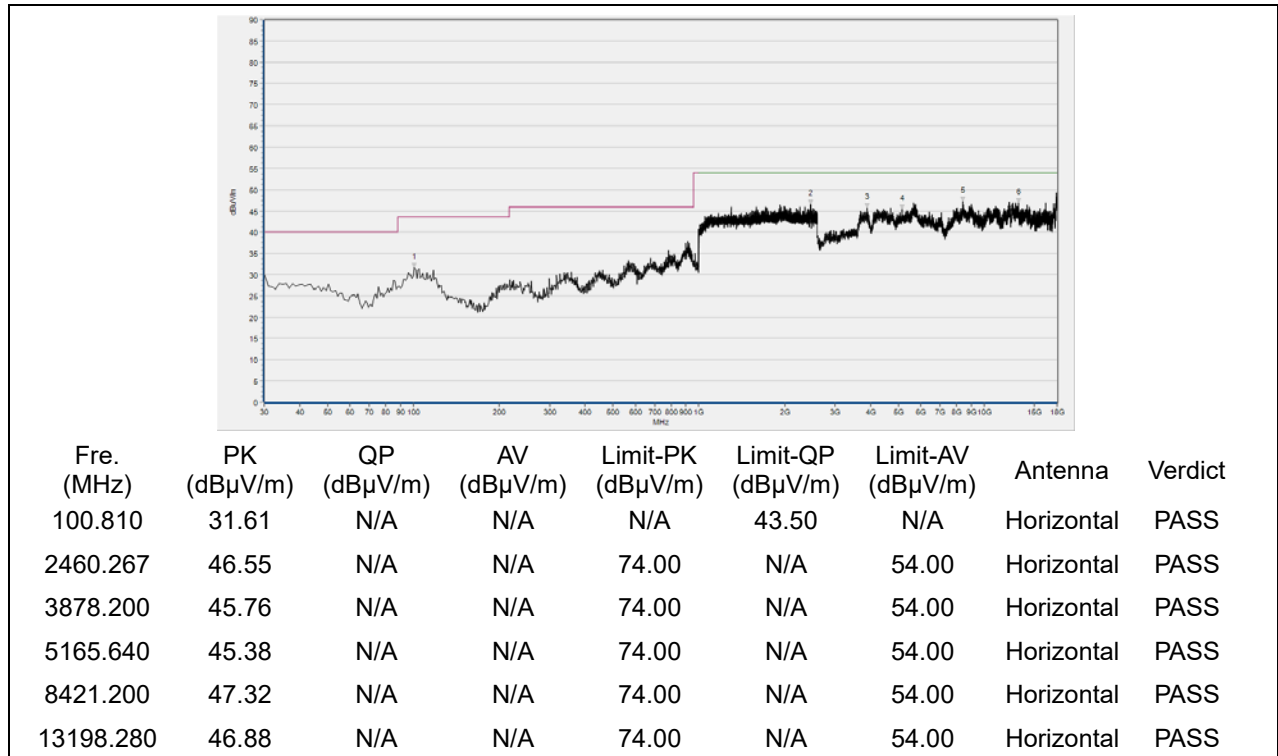


(Antenna Horizontal, 30MHz to 18GHz)

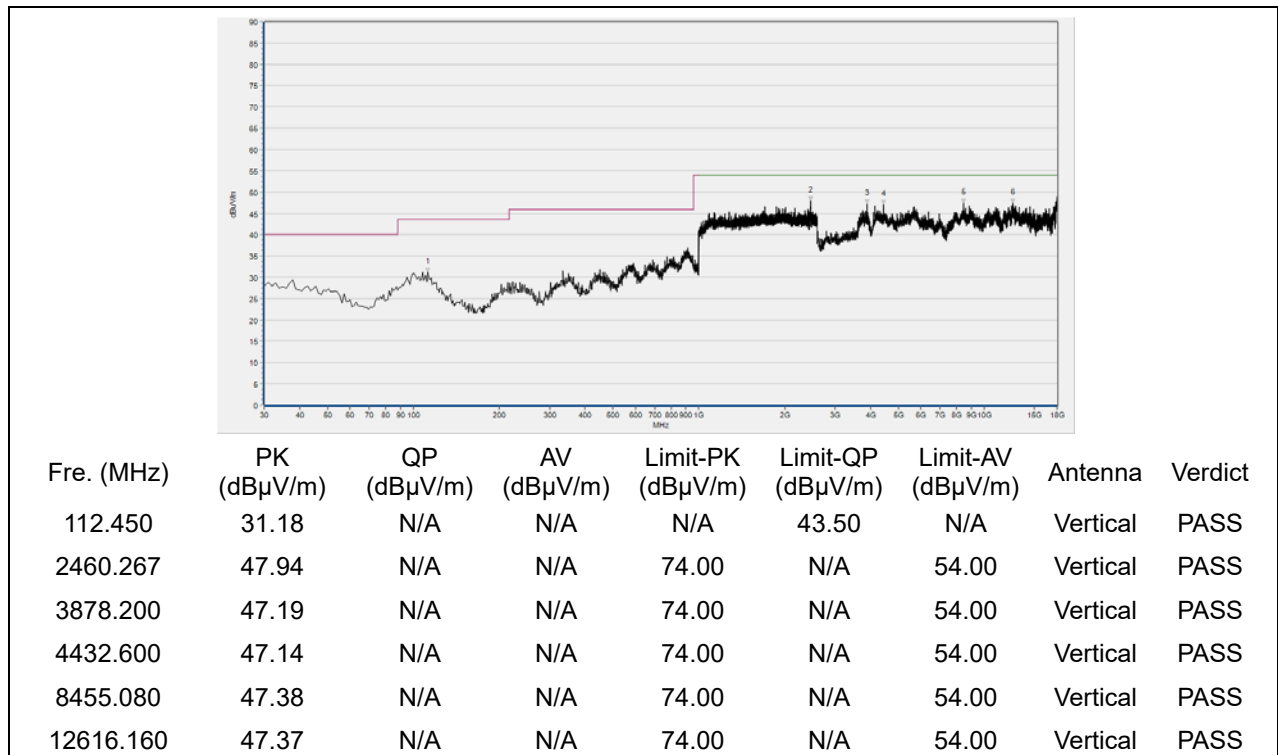


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 9



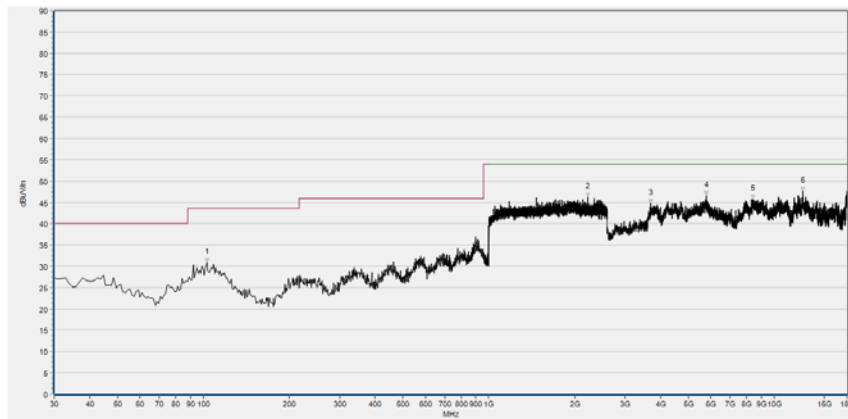
(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

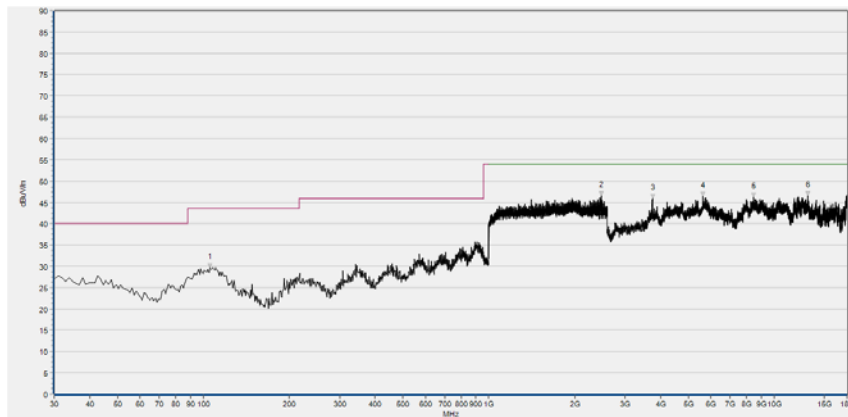
**802.11ax (HEW40) Mode**

Plot for Channel 3



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	30.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2217.067	46.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3693.400	44.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5793.960	46.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8405.800	45.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12619.240	47.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

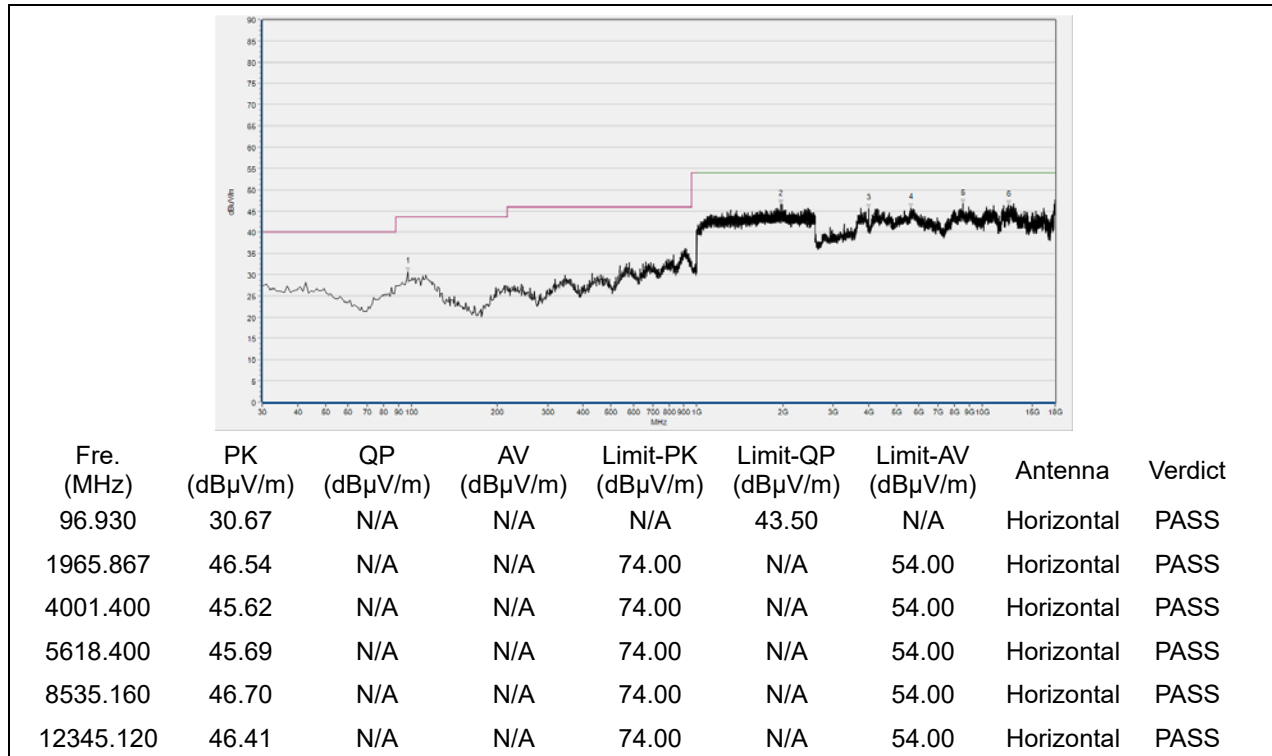
(Antenna Horizontal, 30MHz to 18GHz)



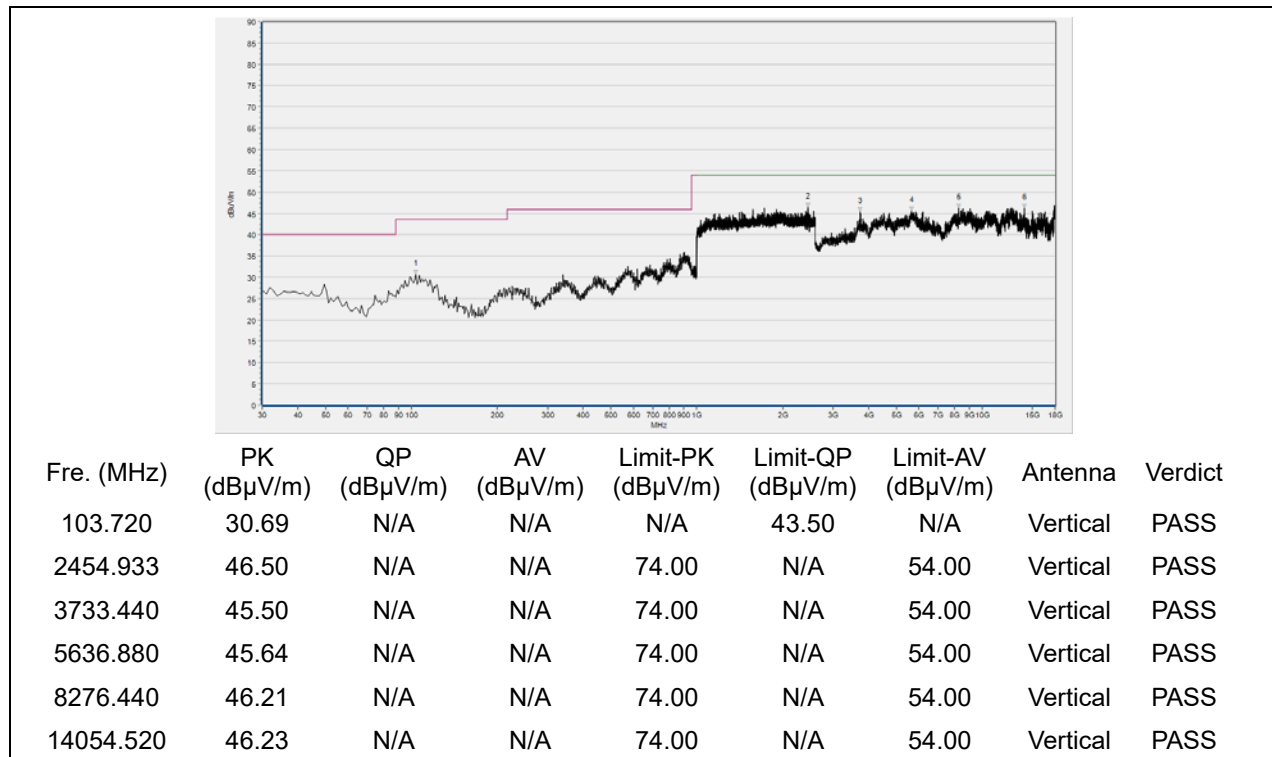
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	29.71	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2485.333	46.60	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3745.760	45.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5609.160	46.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8455.080	46.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13087.400	46.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6



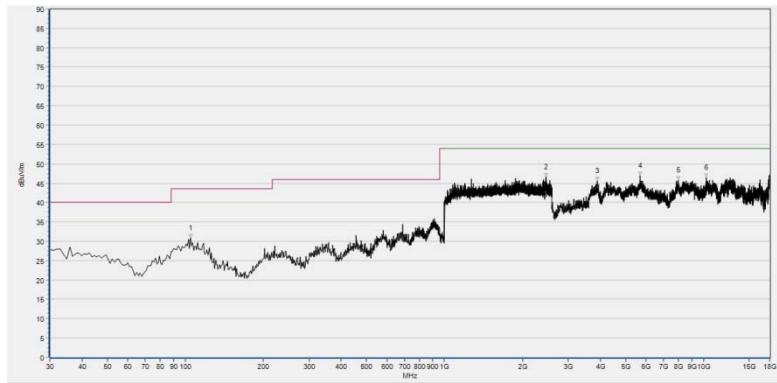
(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

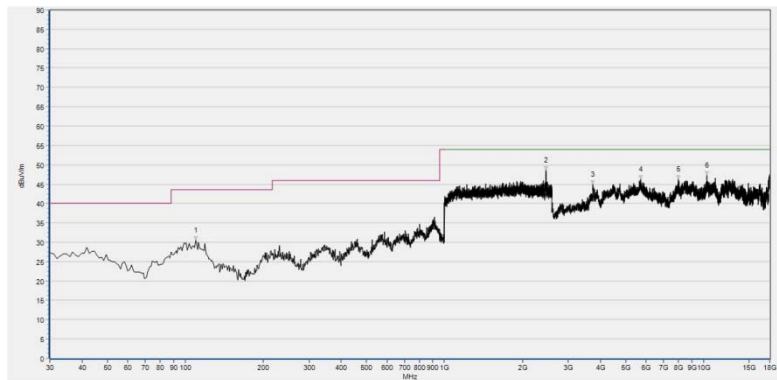


Plot for Channel 9



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	30.82	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2465.067	46.57	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3887.440	45.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5676.920	46.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7999.240	45.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10207.600	46.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	30.43	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2461.333	48.60	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3742.680	44.90	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5729.280	46.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7999.240	46.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10284.600	47.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT