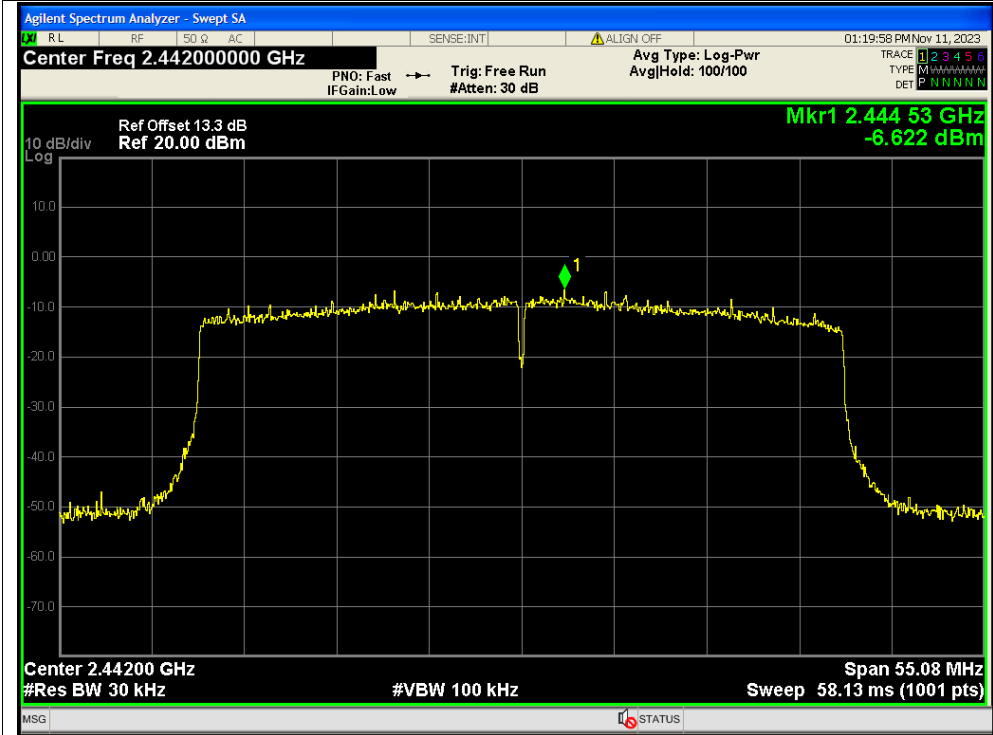
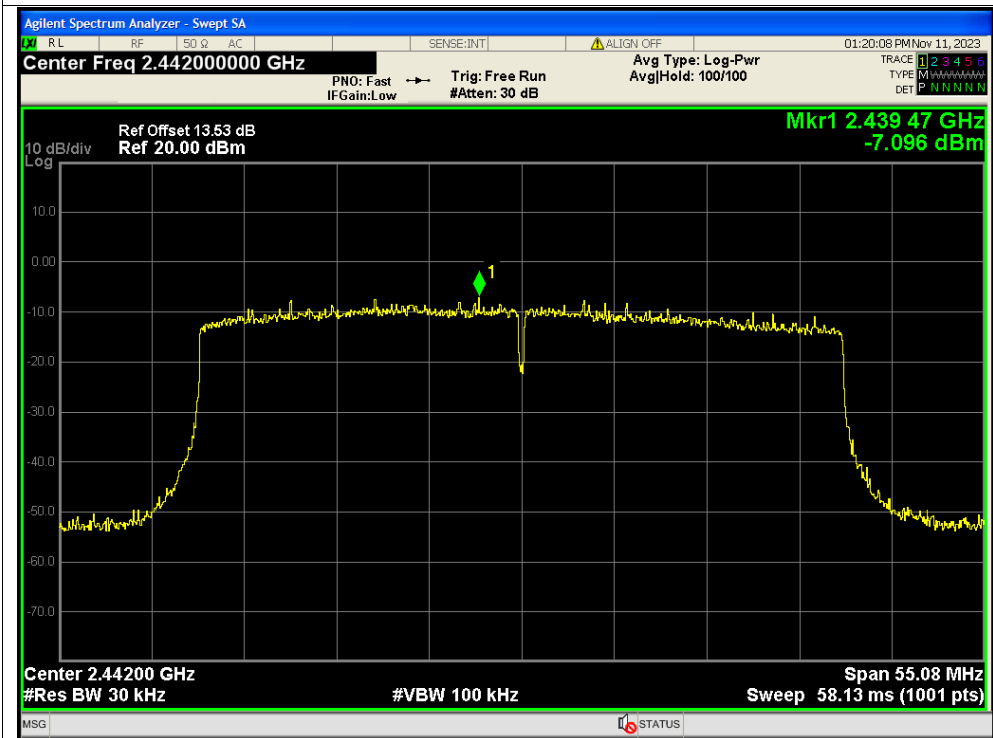




PSD NVNT ax40 2442MHz Ant1

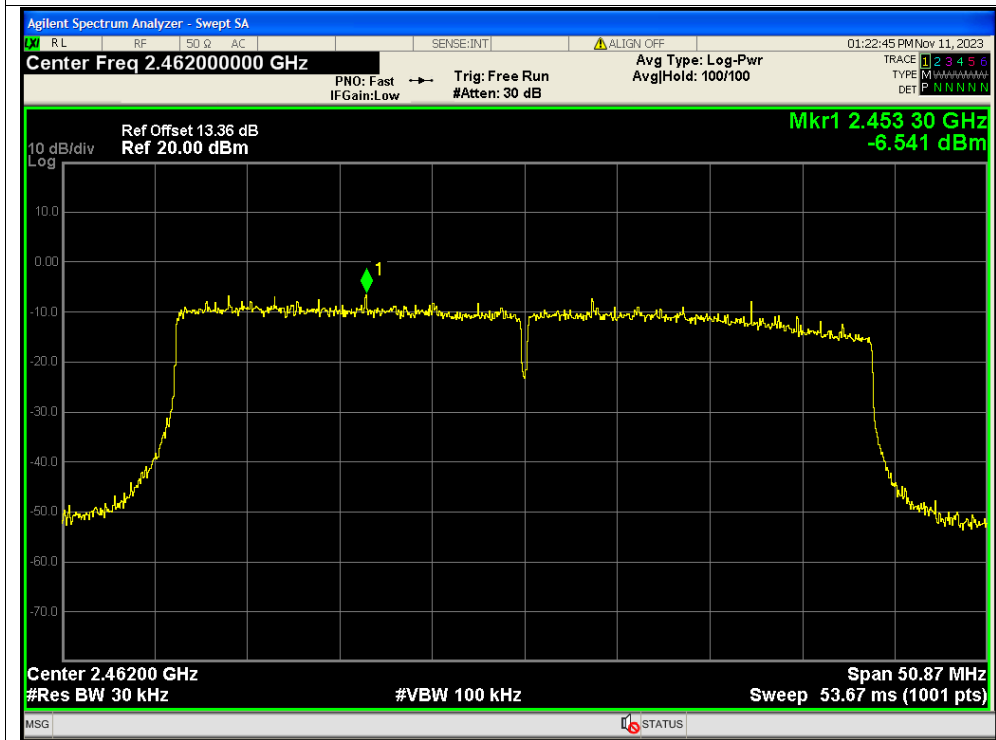


PSD NVNT ax40 2442MHz Ant2

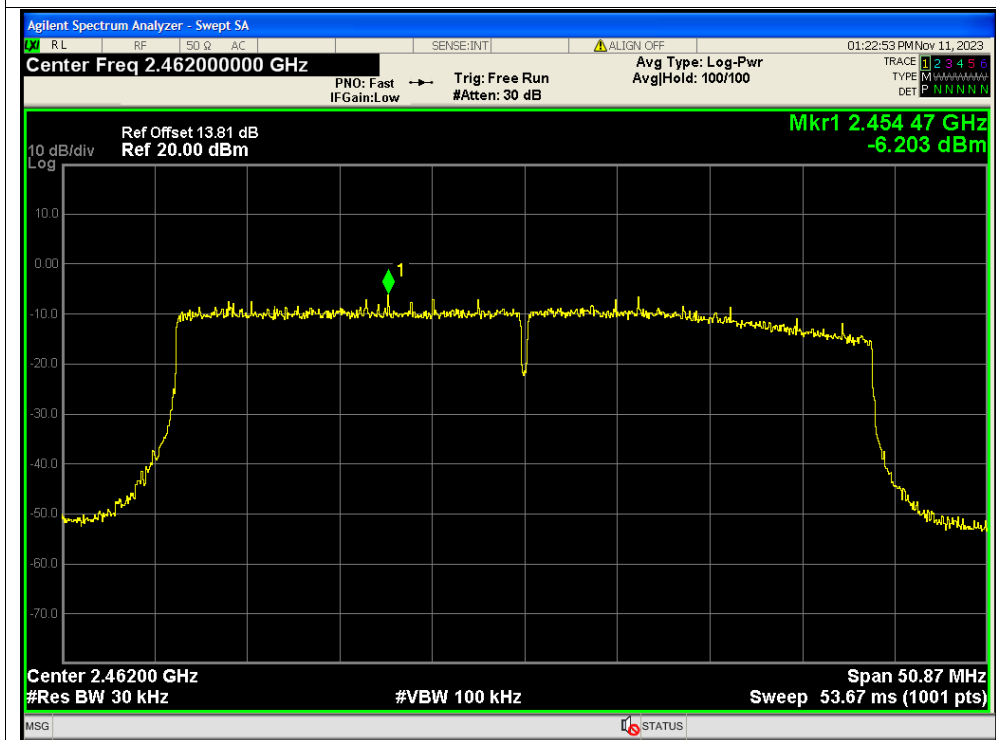




PSD NVNT ax40 2462MHz Ant1

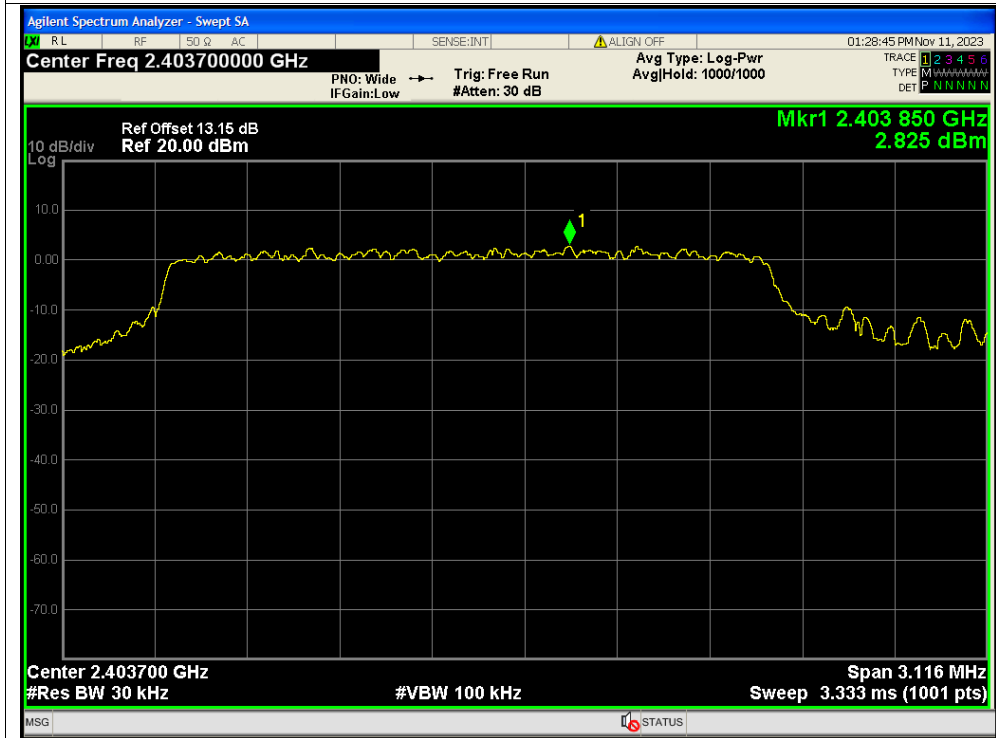


PSD NVNT ax40 2462MHz Ant2

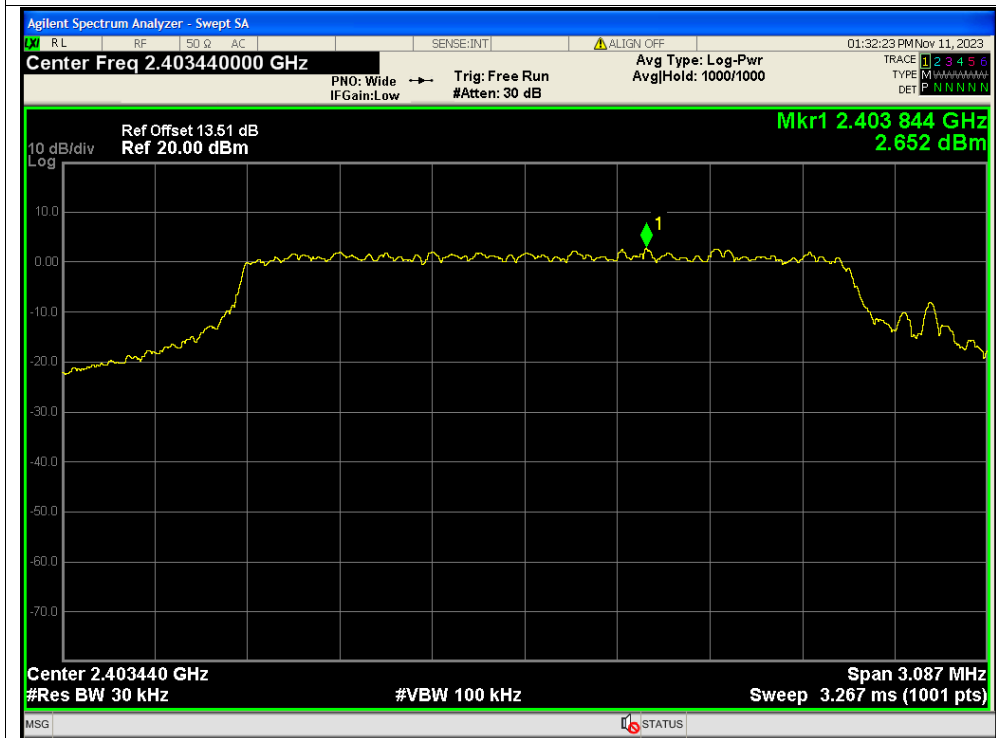




PSD NVNT ax20 26@0 2412MHz Ant1

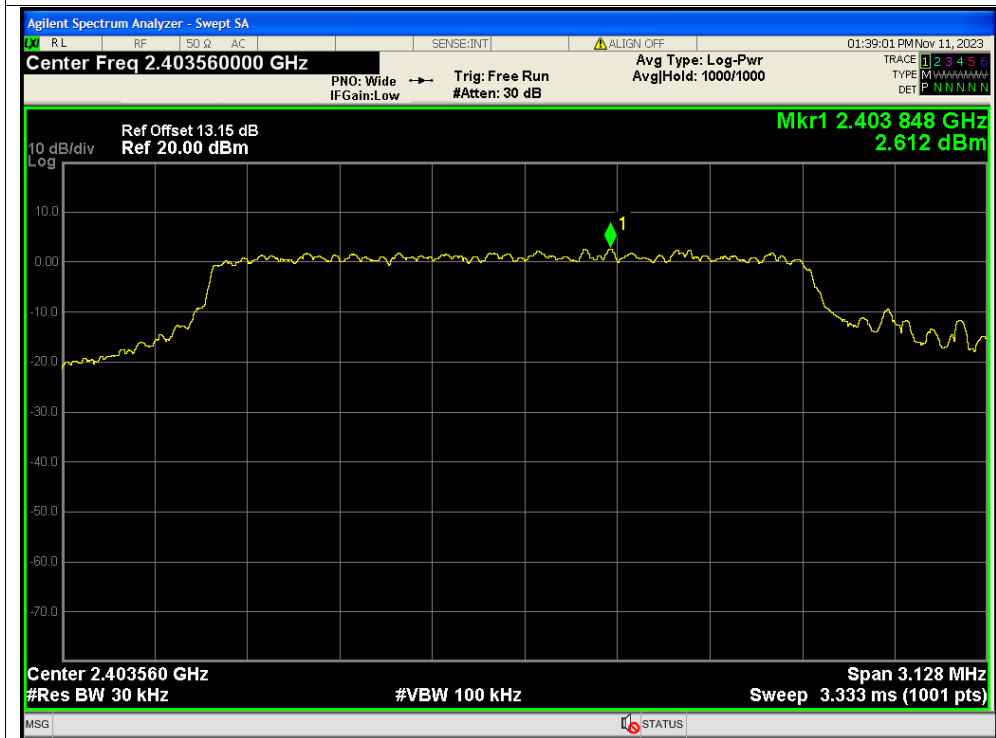


PSD NVNT ax20 26@0 2412MHz Ant2

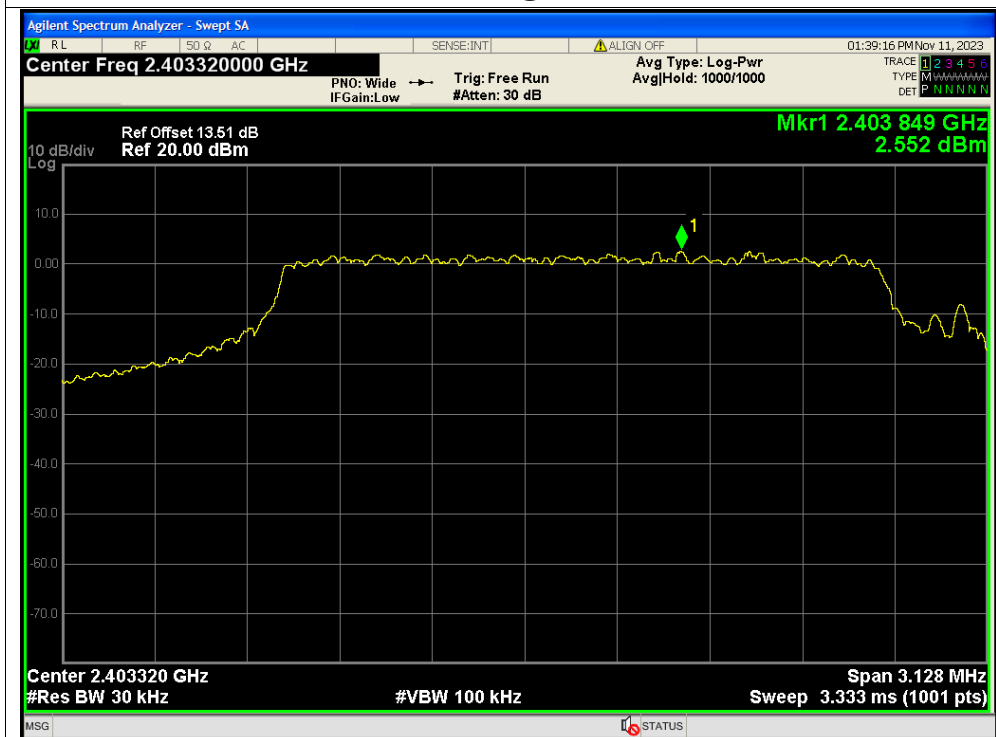




PSD NVNT ax20 26@0 2412MHz Ant1

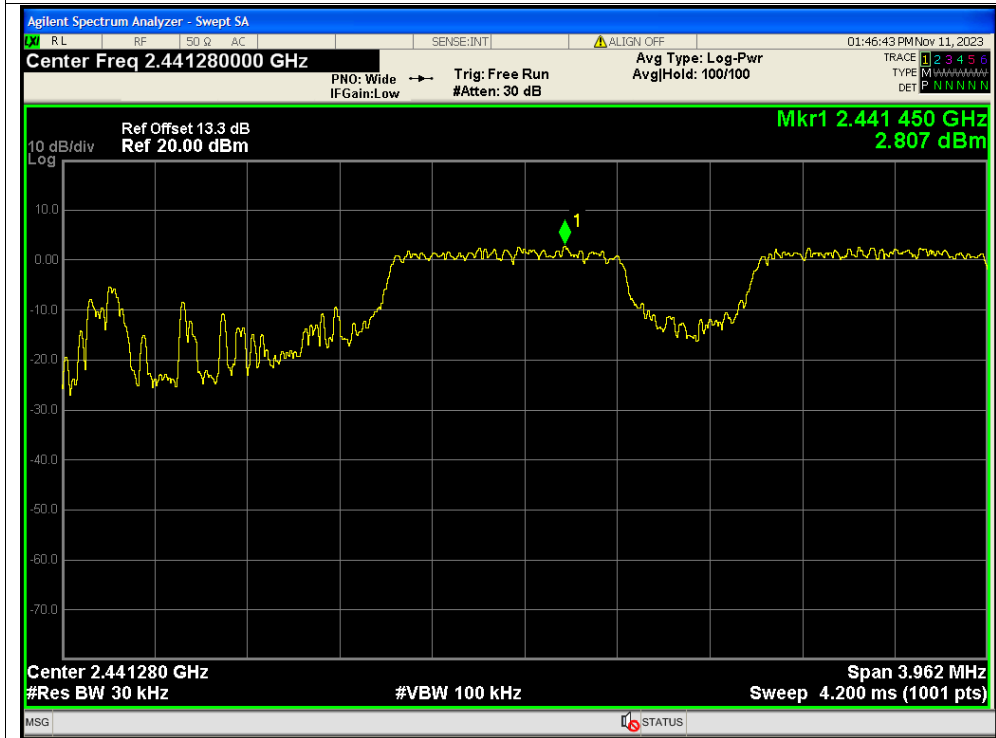


PSD NVNT ax20 26@0 2412MHz Ant2





PSD NVNT ax20 26@4 2442MHz Ant1

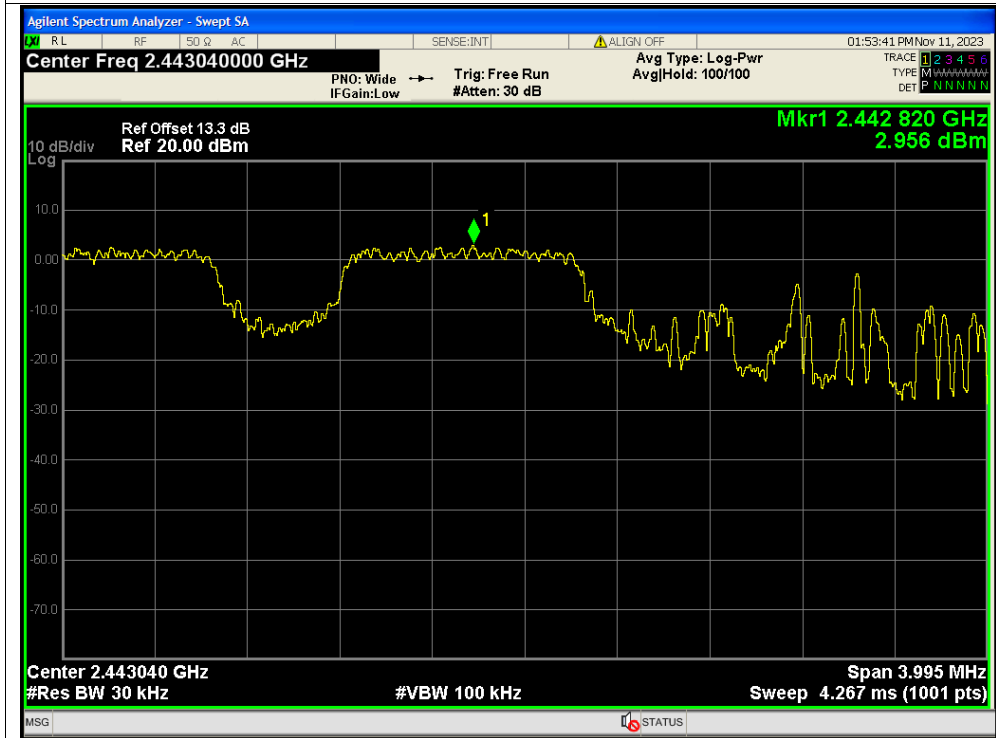


PSD NVNT ax20 26@4 2442MHz Ant2

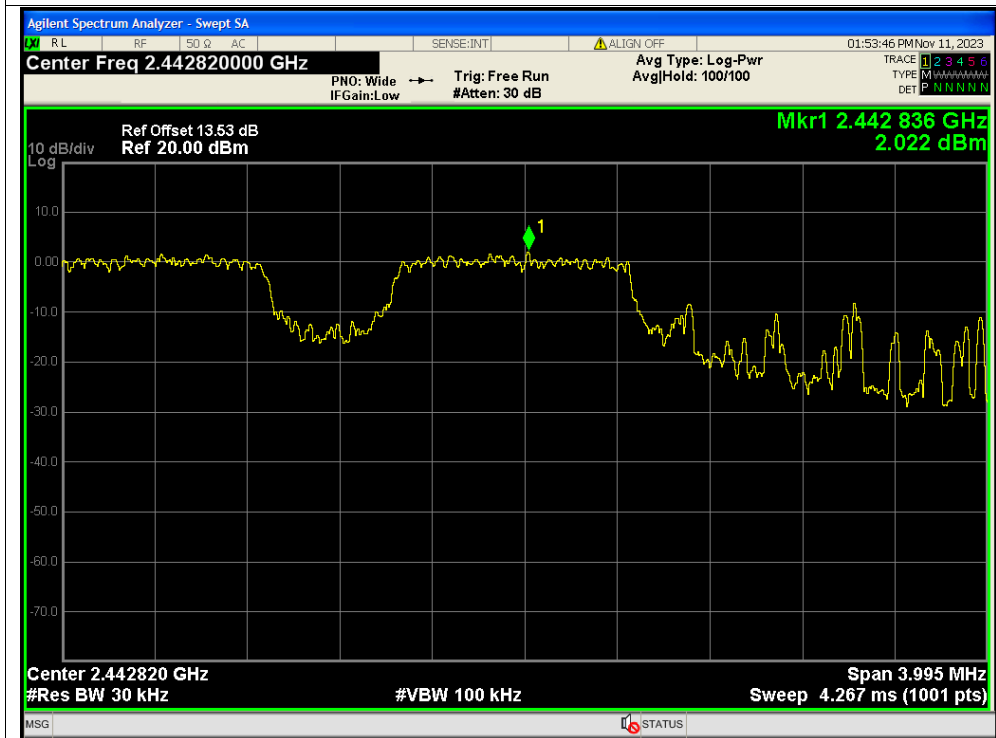




PSD NVNT ax20 26@4 2442MHz Ant1

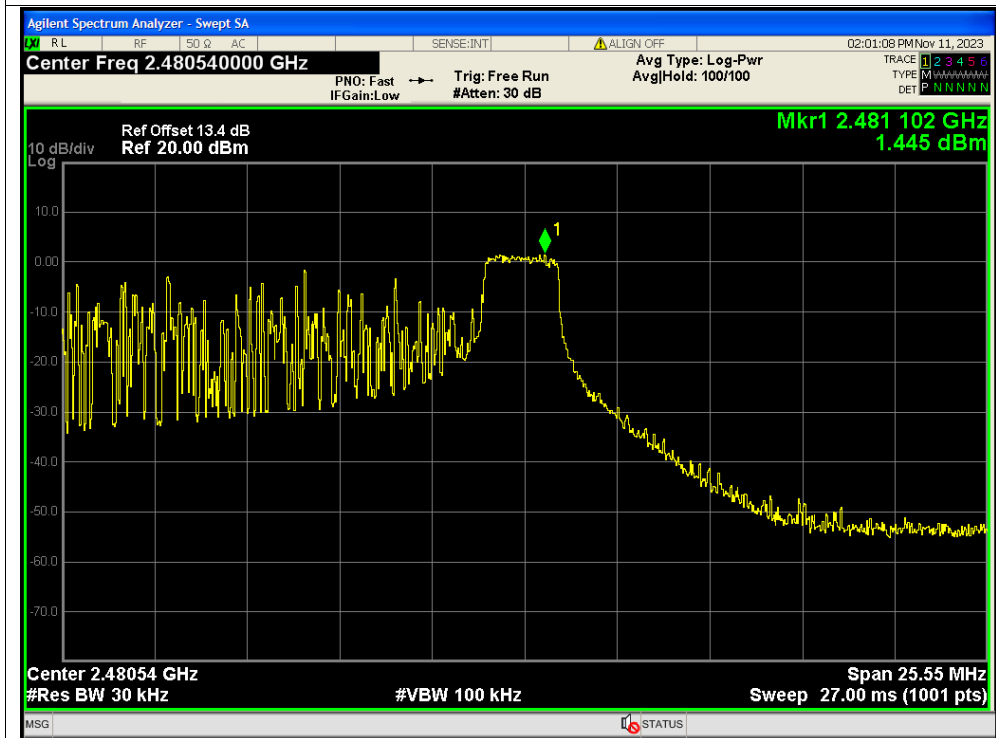


PSD NVNT ax20 26@4 2442MHz Ant2

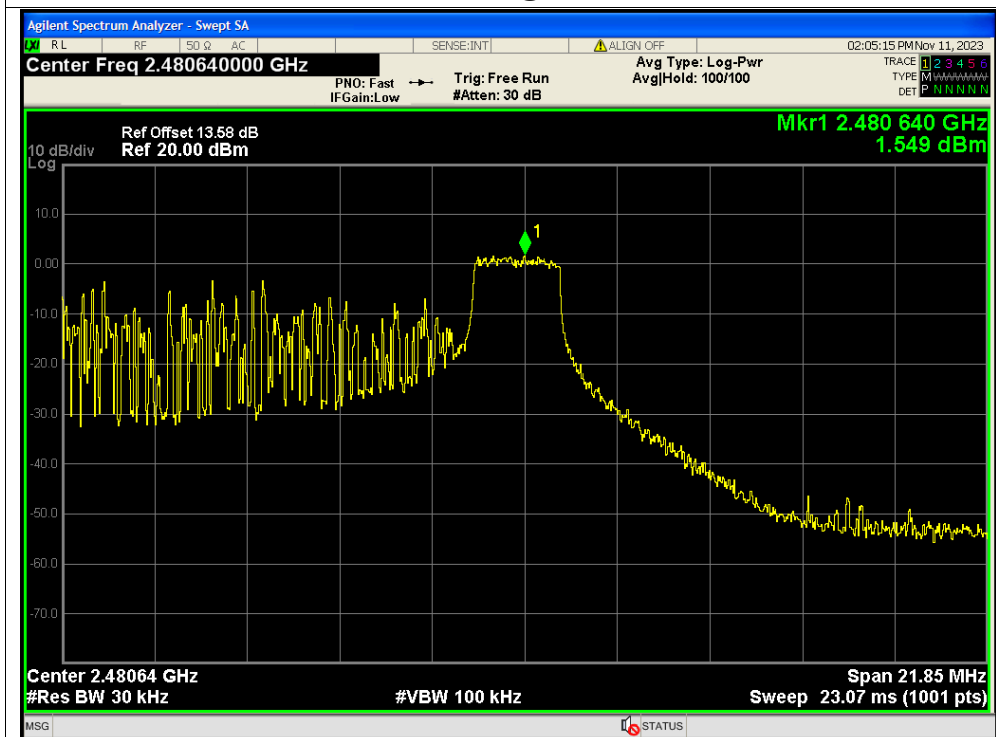




PSD NVNT ax20 26@8 2472MHz Ant1

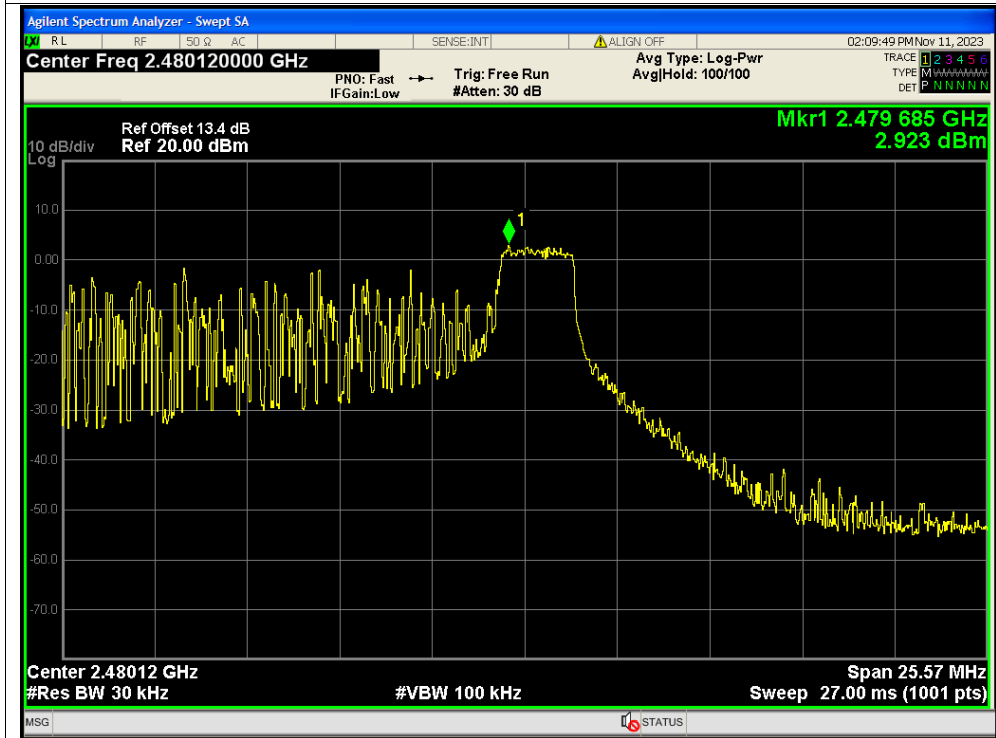


PSD NVNT ax20 26@8 2472MHz Ant2

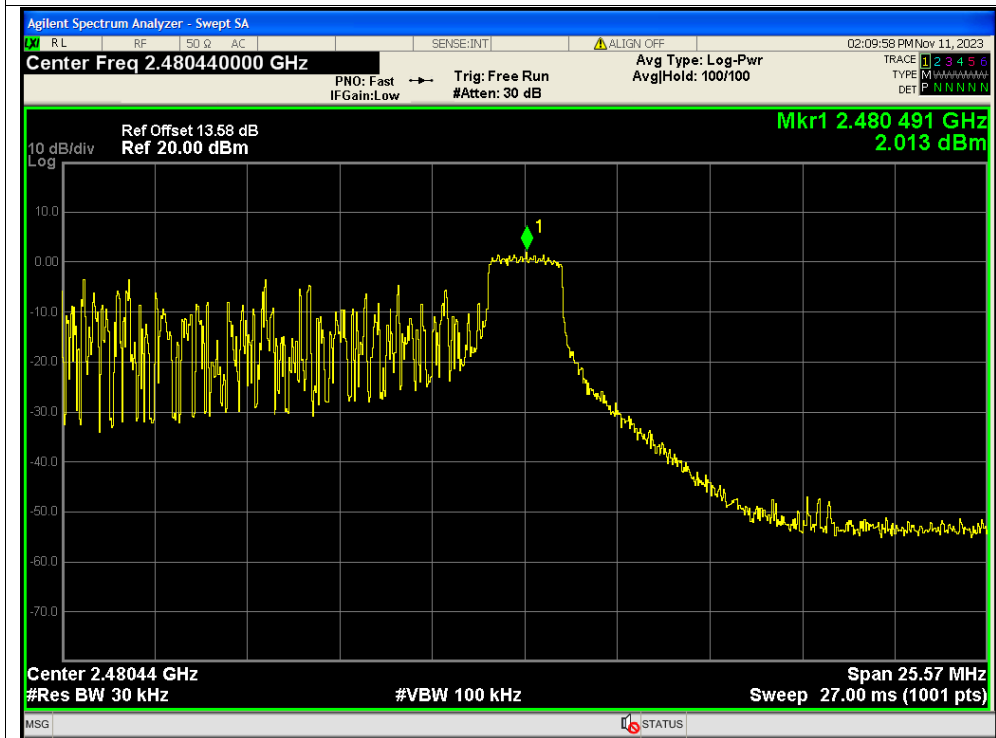




PSD NVNT ax20 26@8 2472MHz Ant1

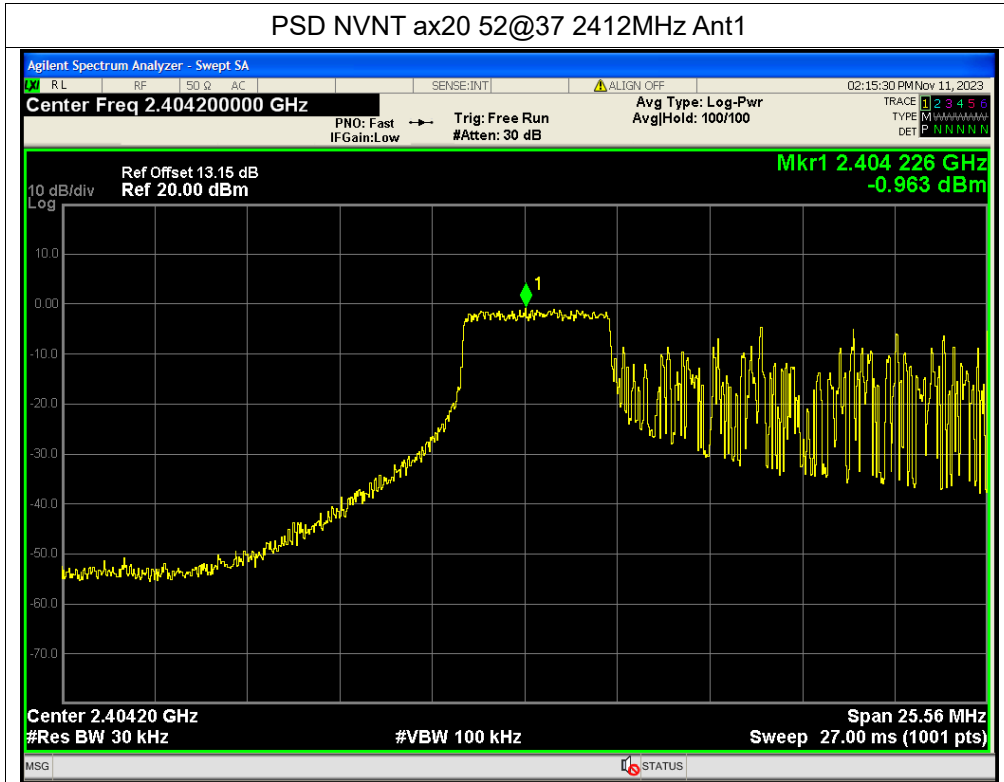


PSD NVNT ax20 26@8 2472MHz Ant2

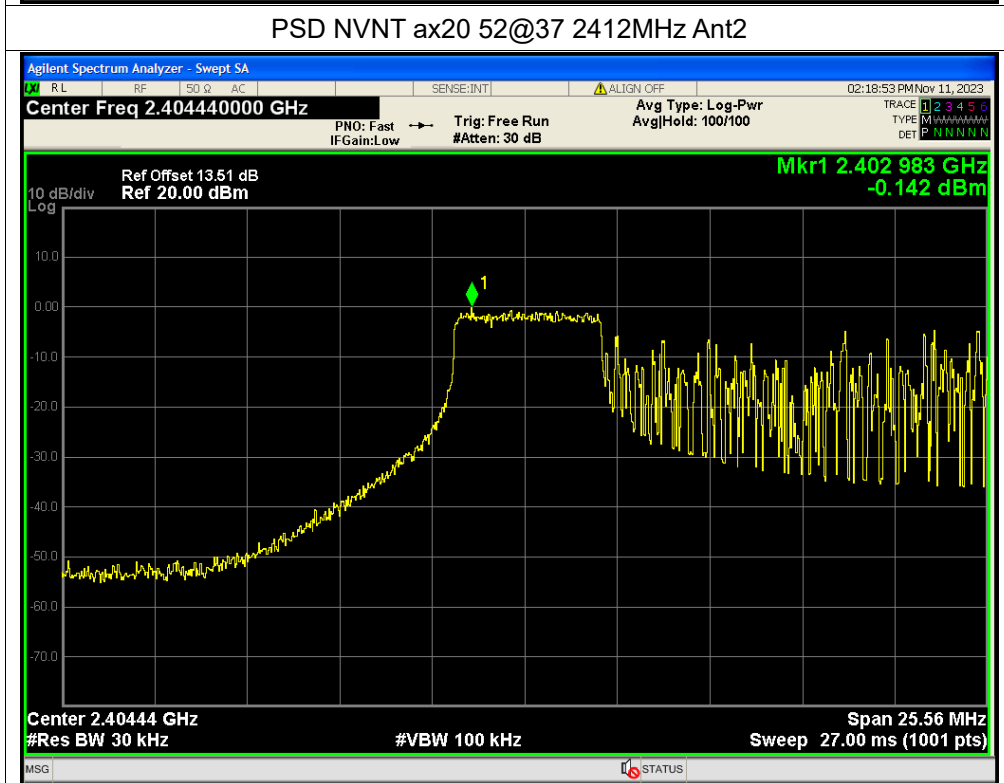




PSD NVNT ax20 52@37 2412MHz Ant1

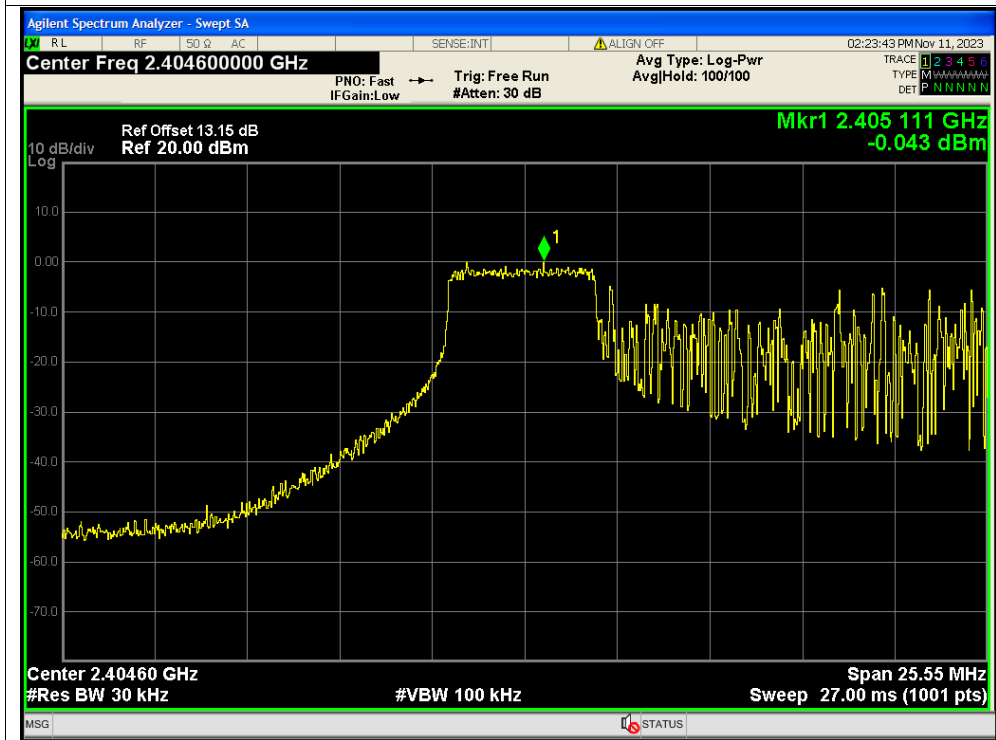


PSD NVNT ax20 52@37 2412MHz Ant2

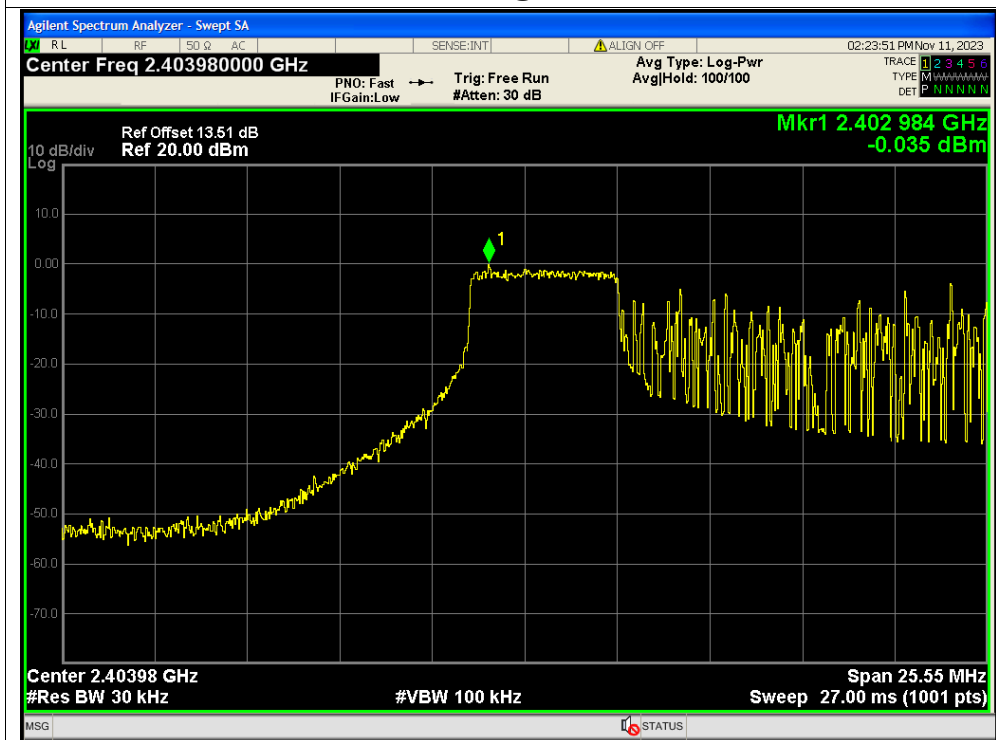




PSD NVNT ax20 52@37 2412MHz Ant1

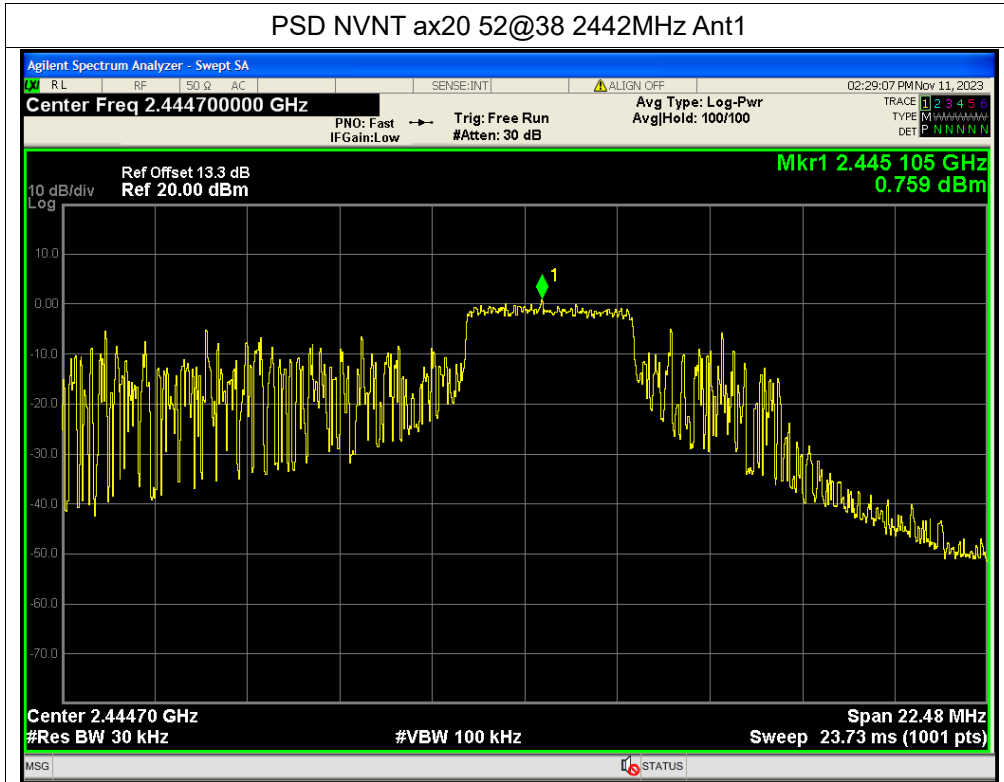


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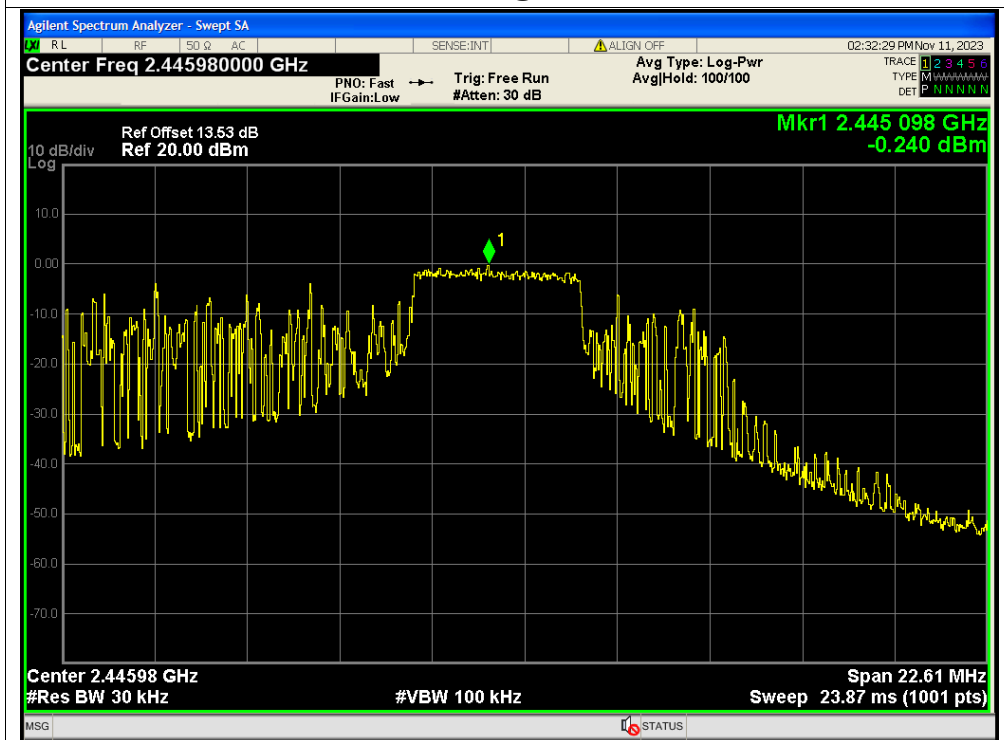




PSD NVNT ax20 52@38 2442MHz Ant1

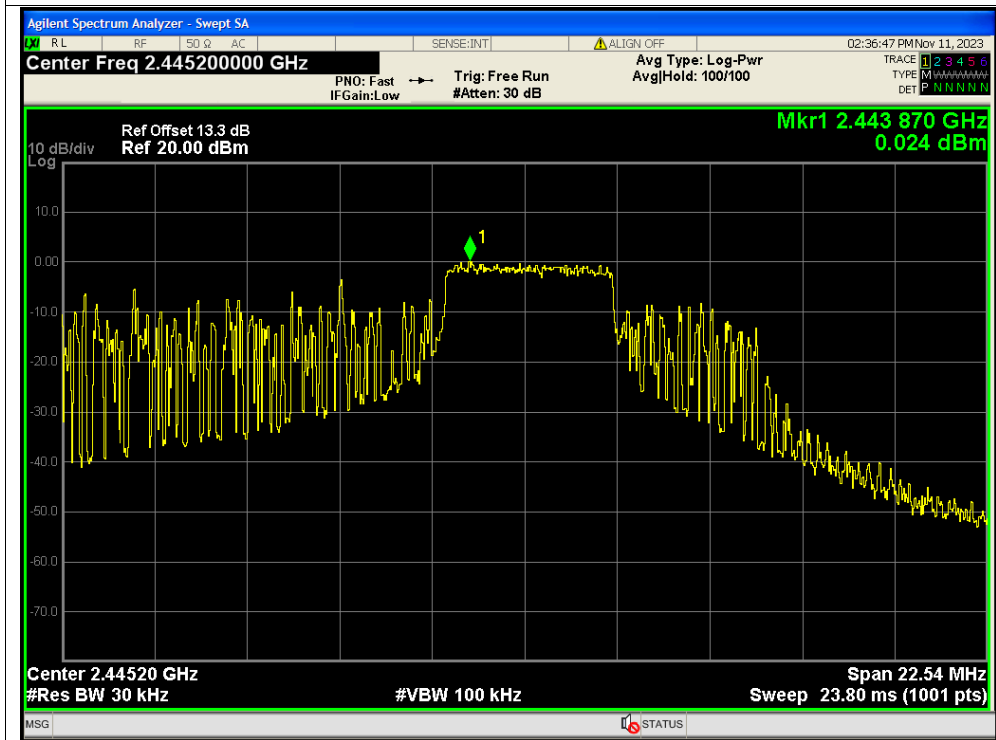


PSD NVNT ax20 52@38 2442MHz Ant2

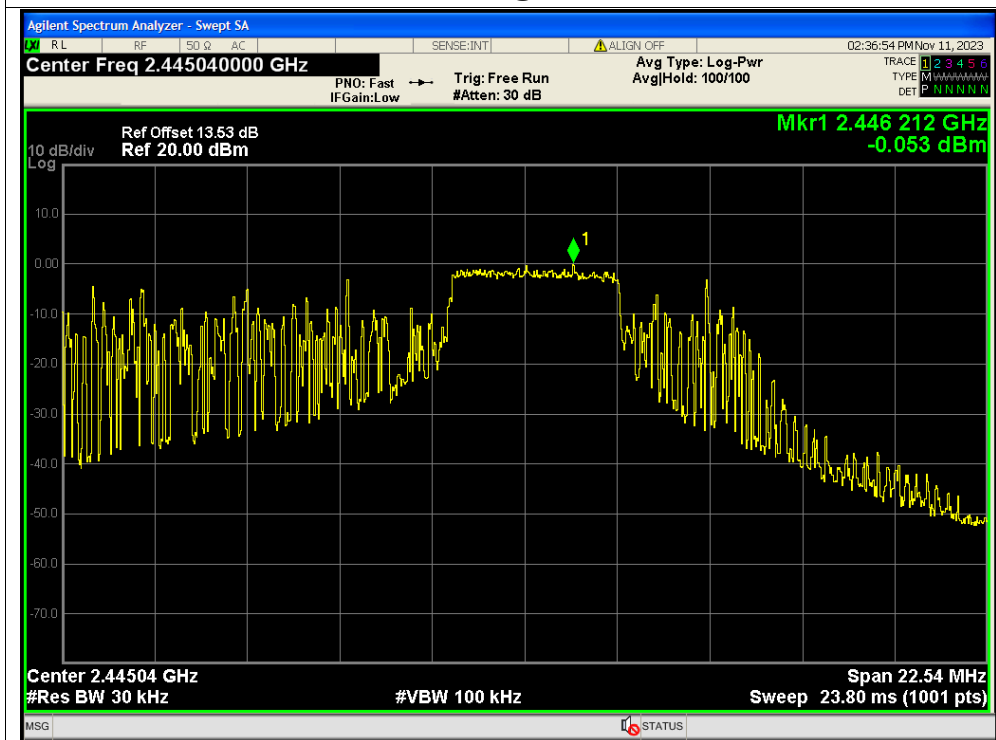




PSD NVNT ax20 52@38 2442MHz Ant1

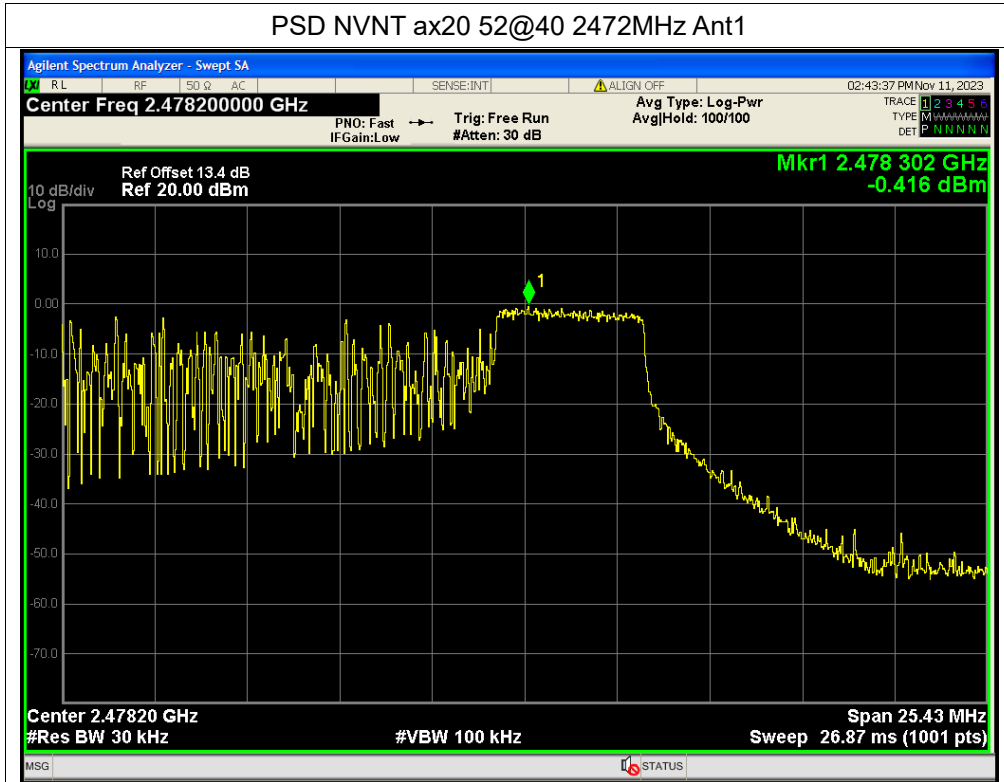


PSD NVNT ax20 52@38 2442MHz Ant2

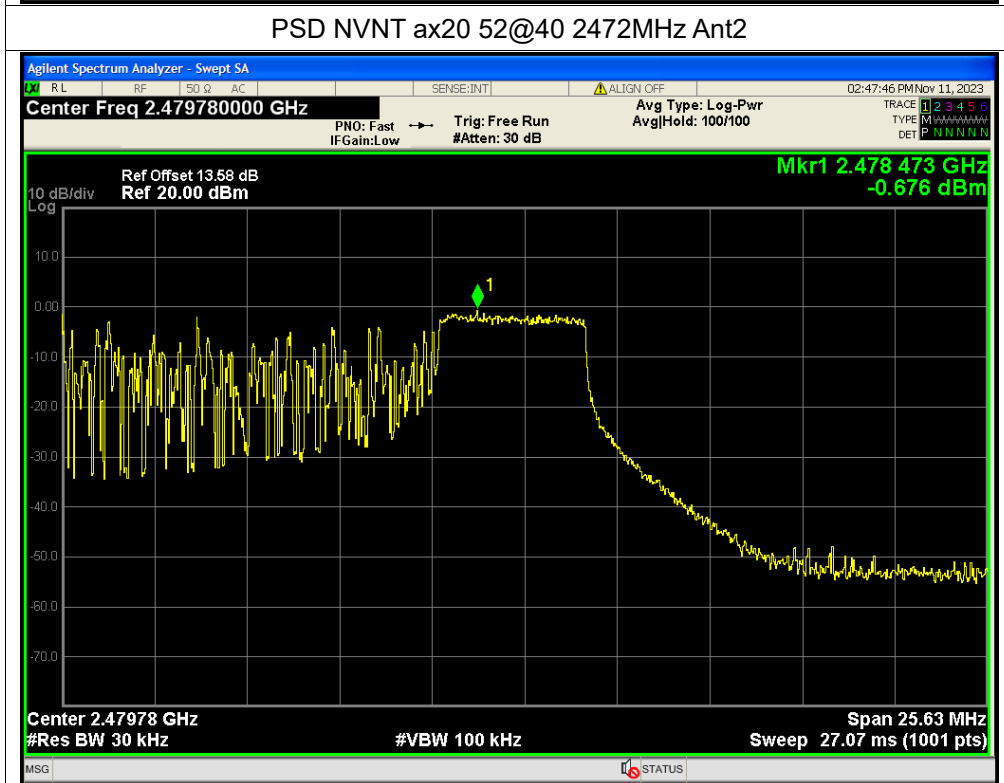




PSD NVNT ax20 52@40 2472MHz Ant1

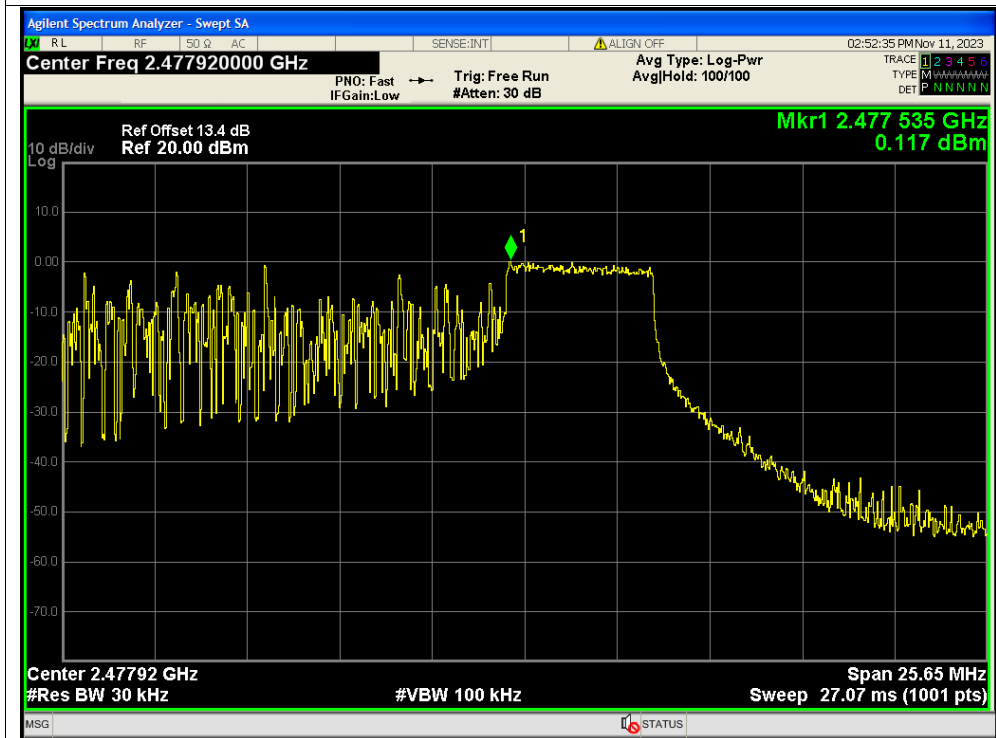


PSD NVNT ax20 52@40 2472MHz Ant2

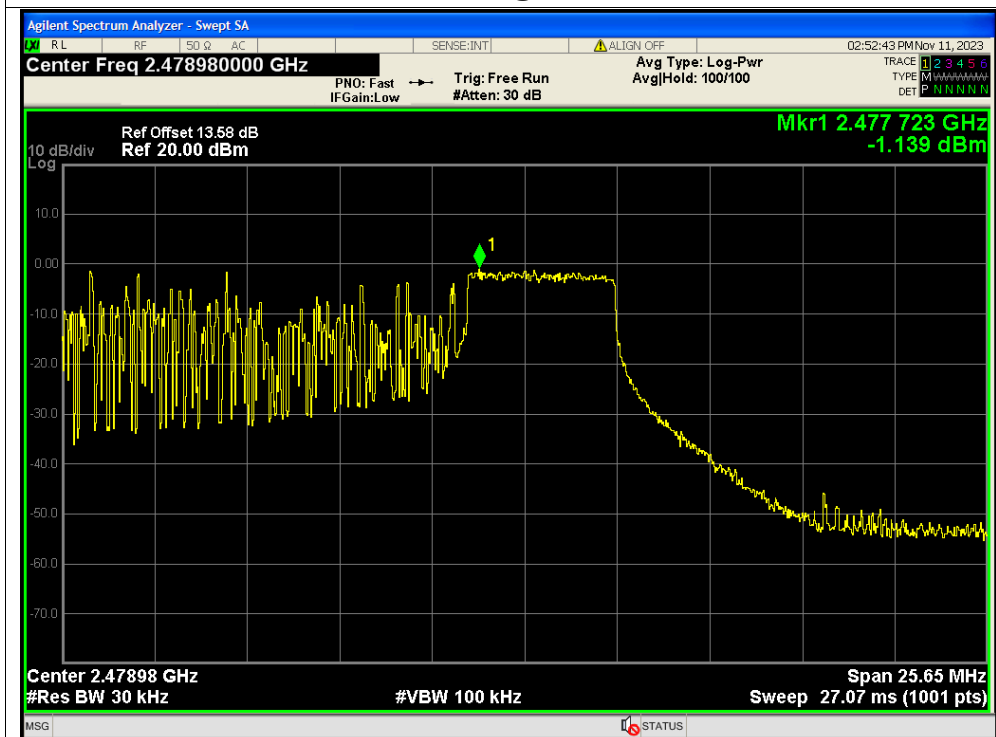




PSD NVNT ax20 52@40 2472MHz Ant1

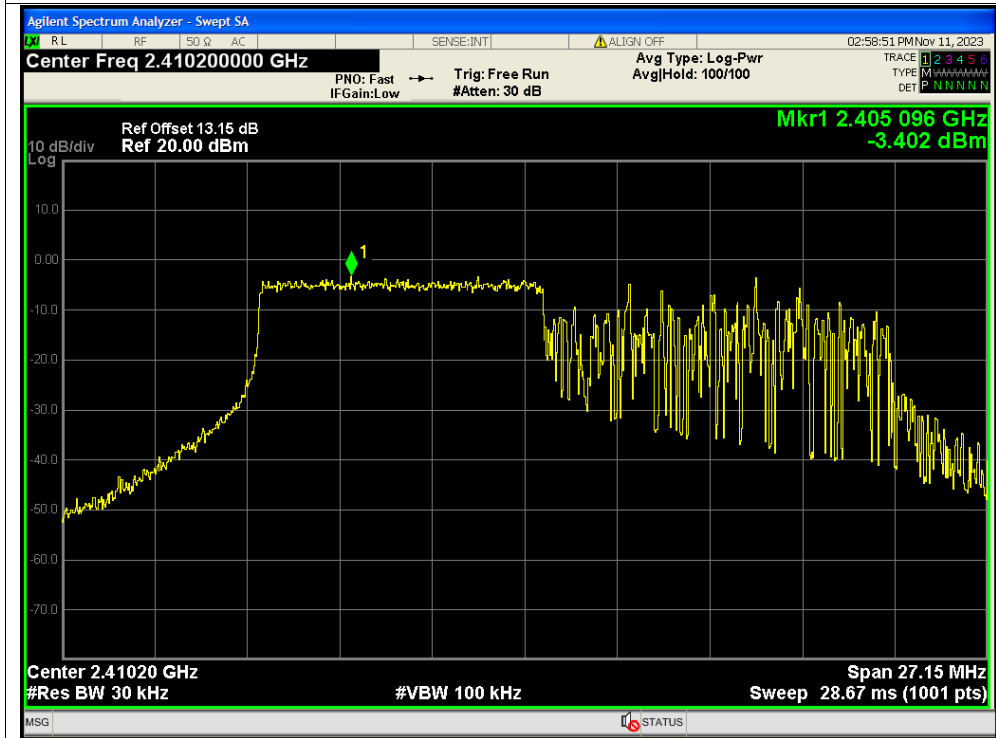


PSD NVNT ax20 52@40 2472MHz Ant2

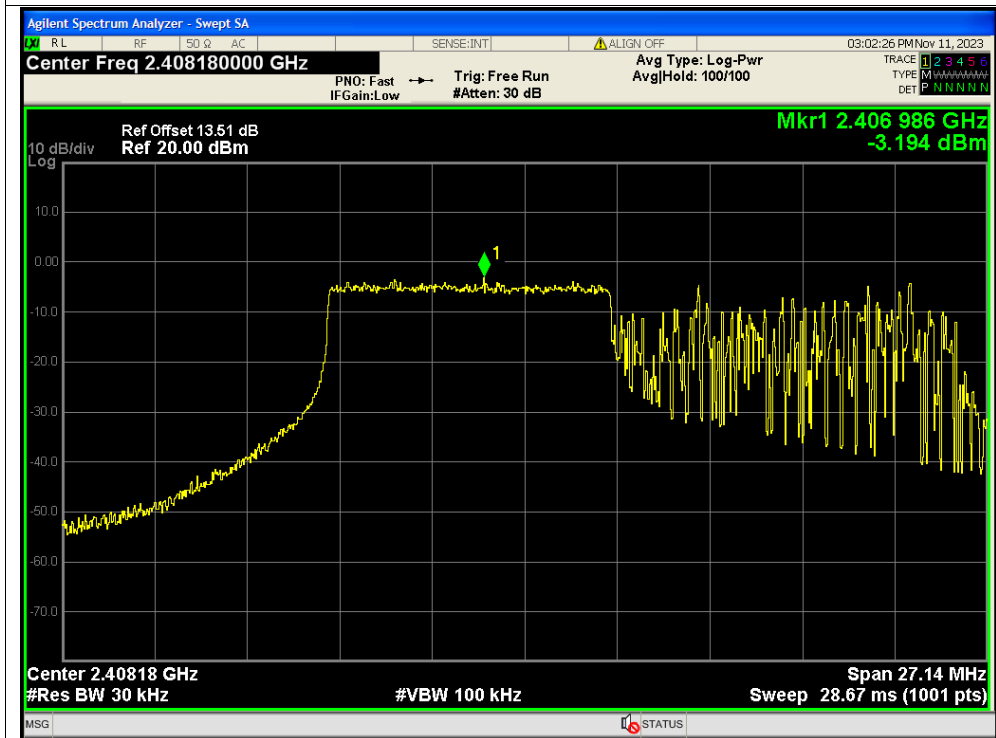




PSD NVNT ax20 106@53 2412MHz Ant1

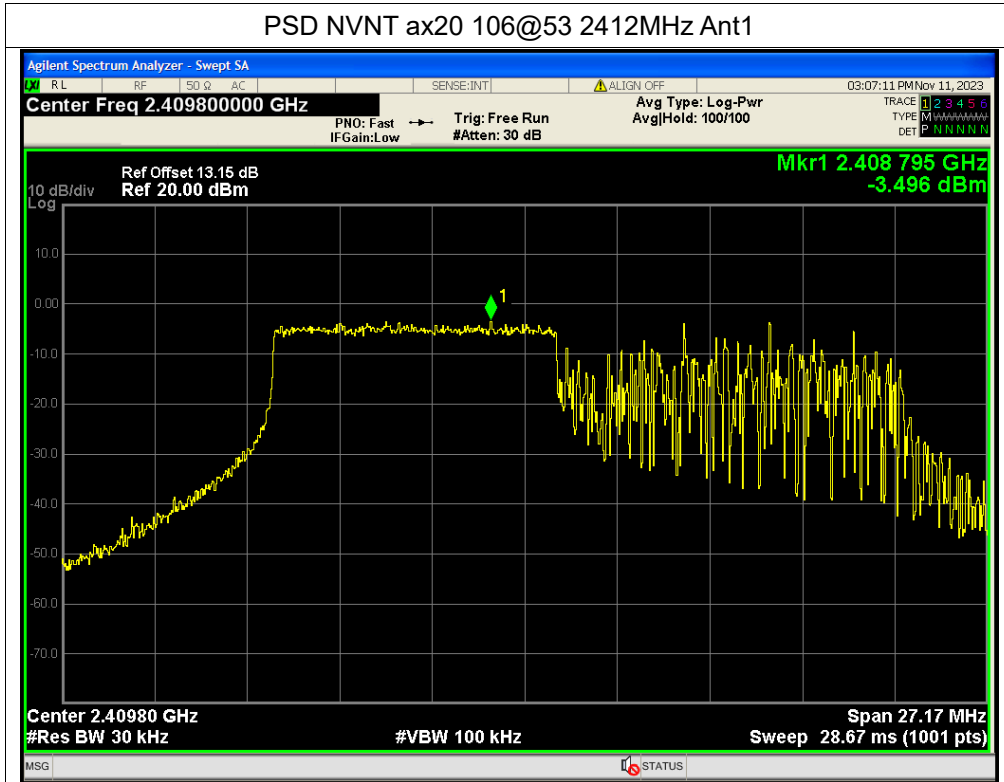


PSD NVNT ax20 106@53 2412MHz Ant2

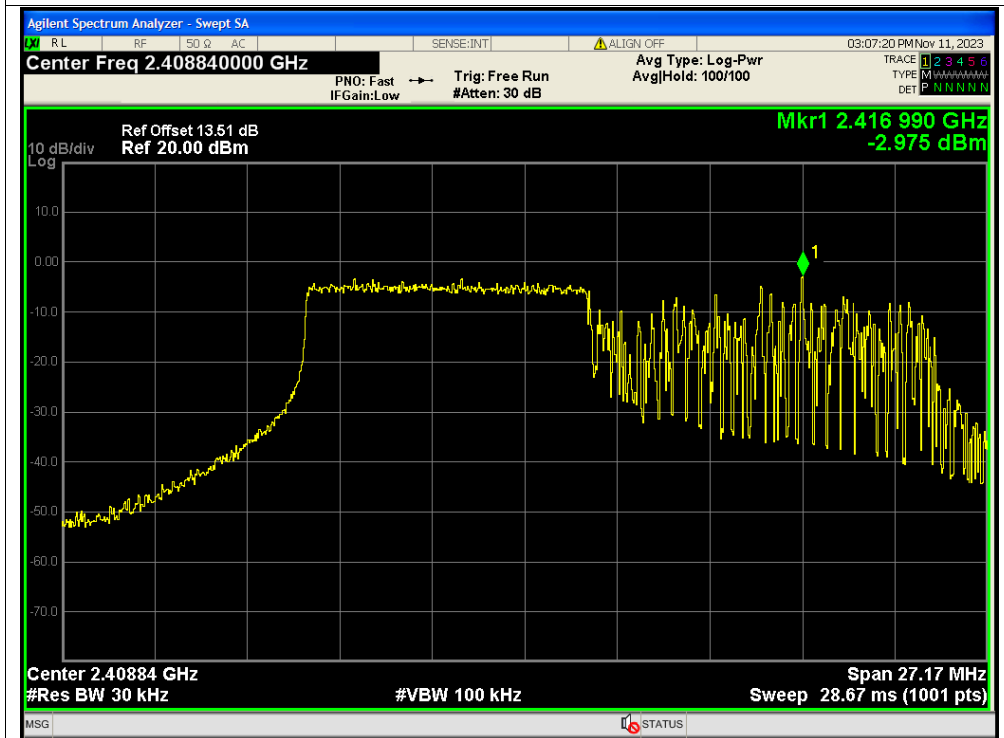




PSD NVNT ax20 106@53 2412MHz Ant1

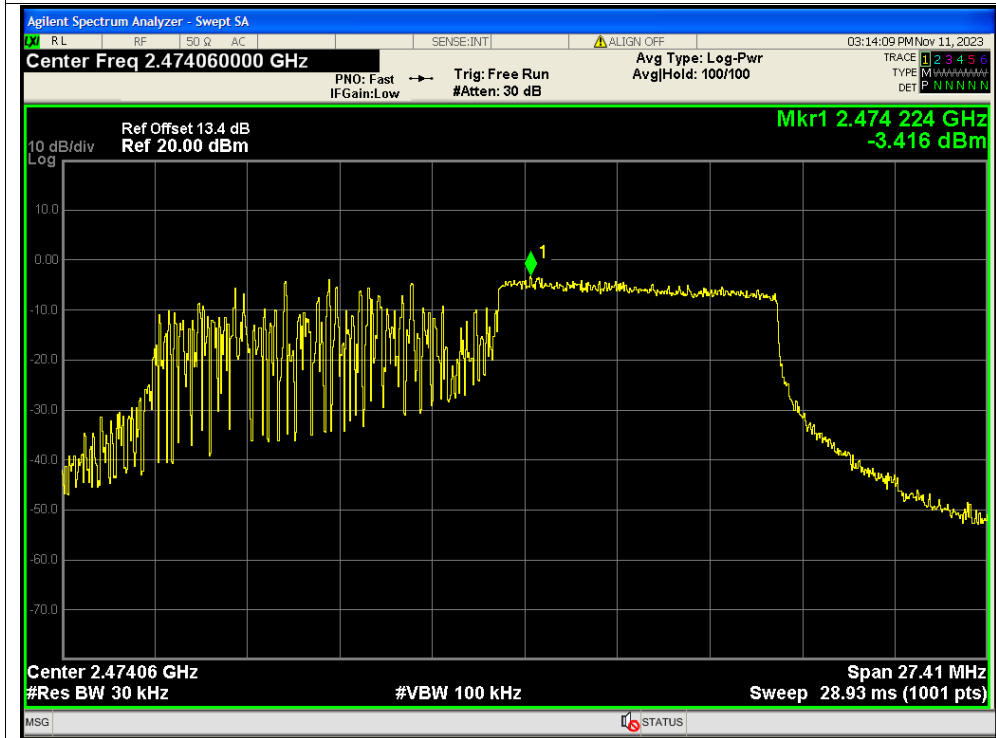


PSD NVNT ax20 106@53 2412MHz Ant2

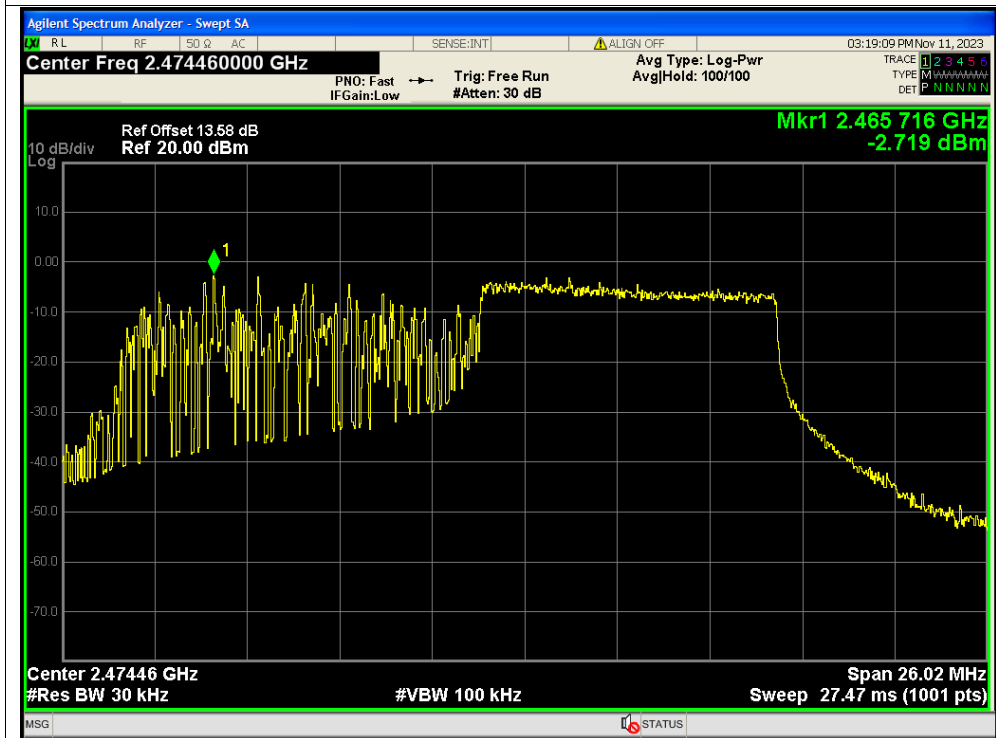




PSD NVNT ax20 106@54 2472MHz Ant1

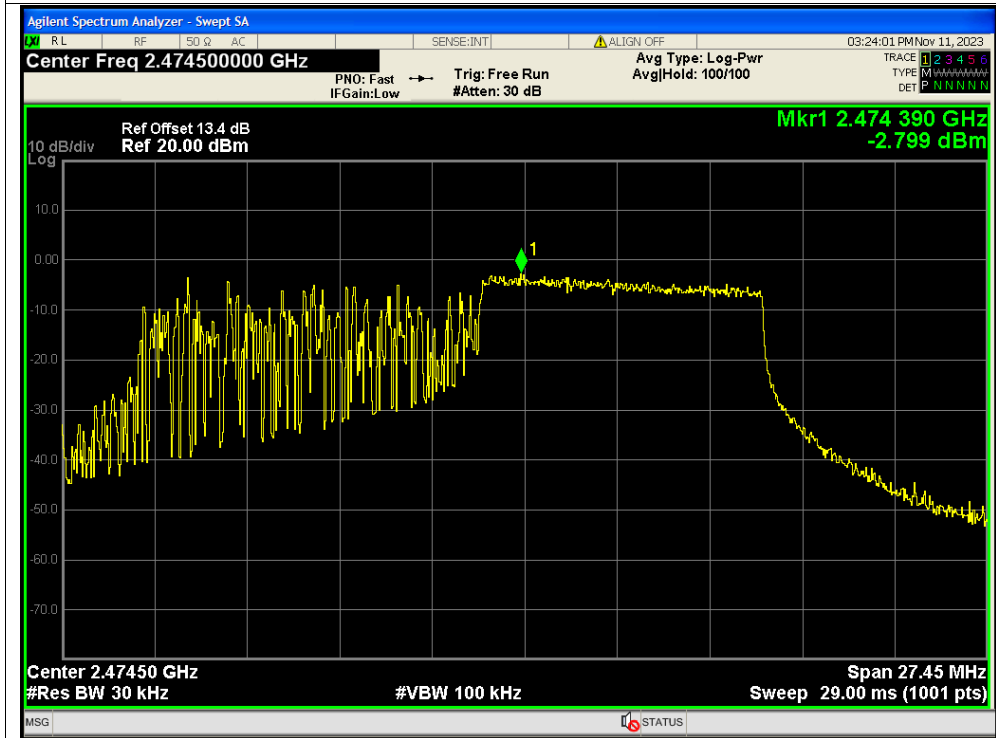


PSD NVNT ax20 106@54 2472MHz Ant2

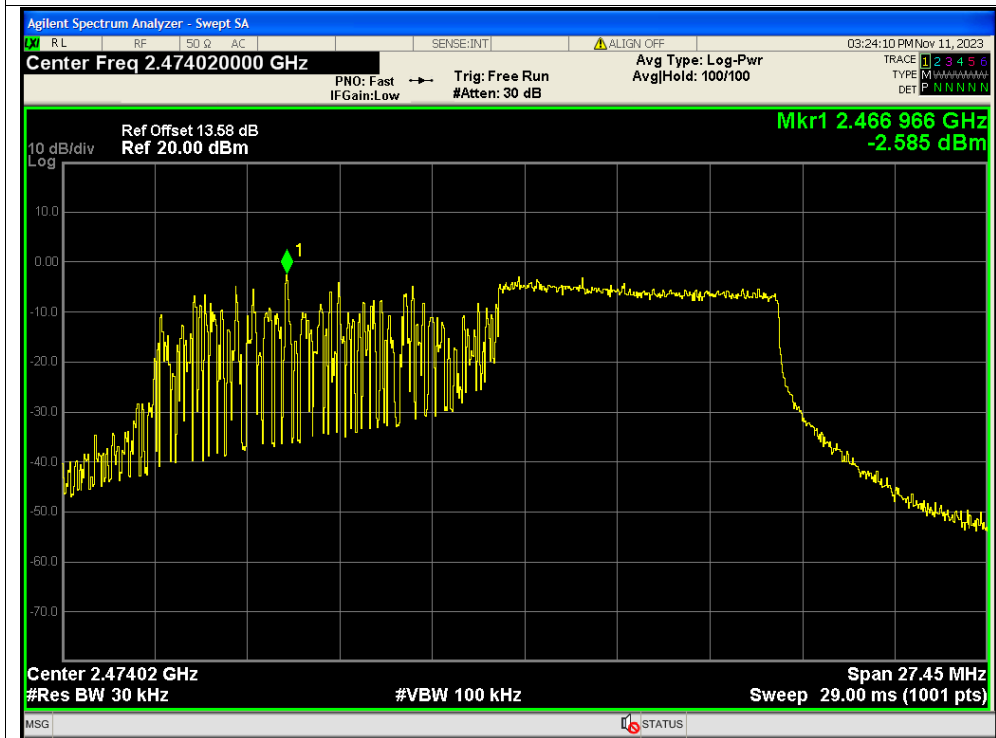




PSD NVNT ax20 106@54 2472MHz Ant1

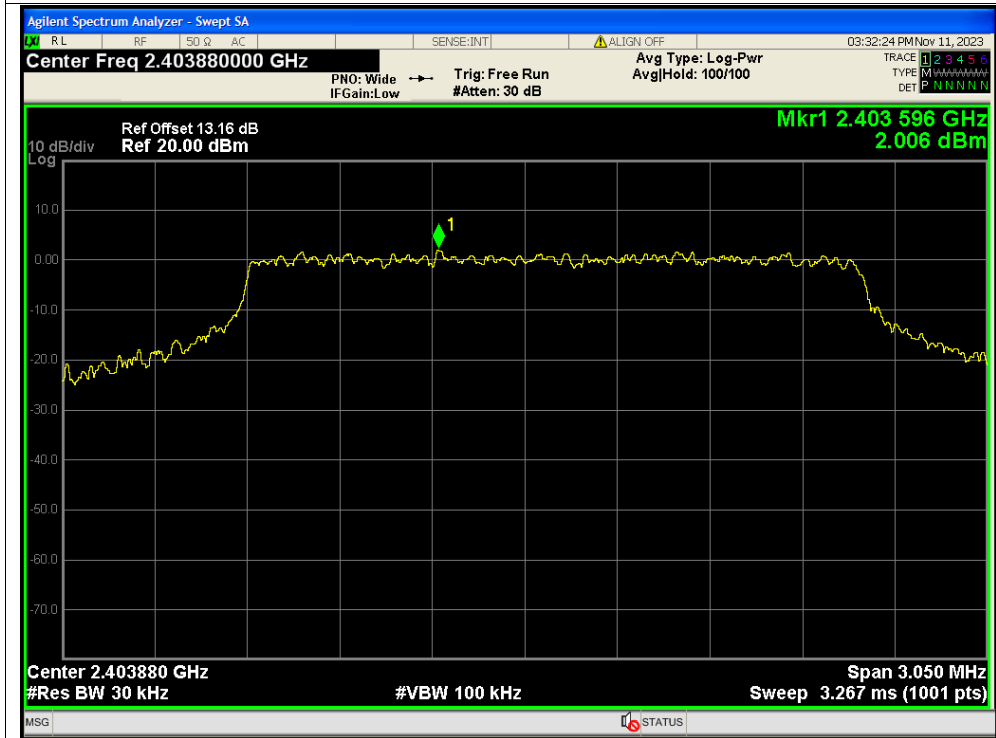


PSD NVNT ax20 106@54 2472MHz Ant2

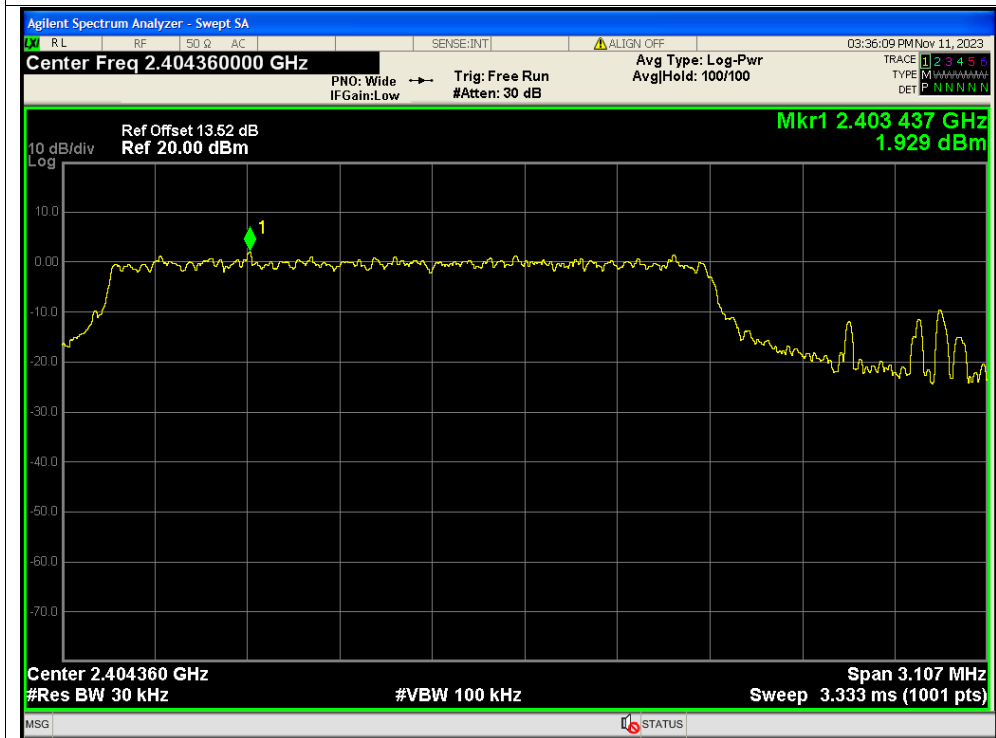




PSD NVNT ax40 26@0 2422MHz Ant1

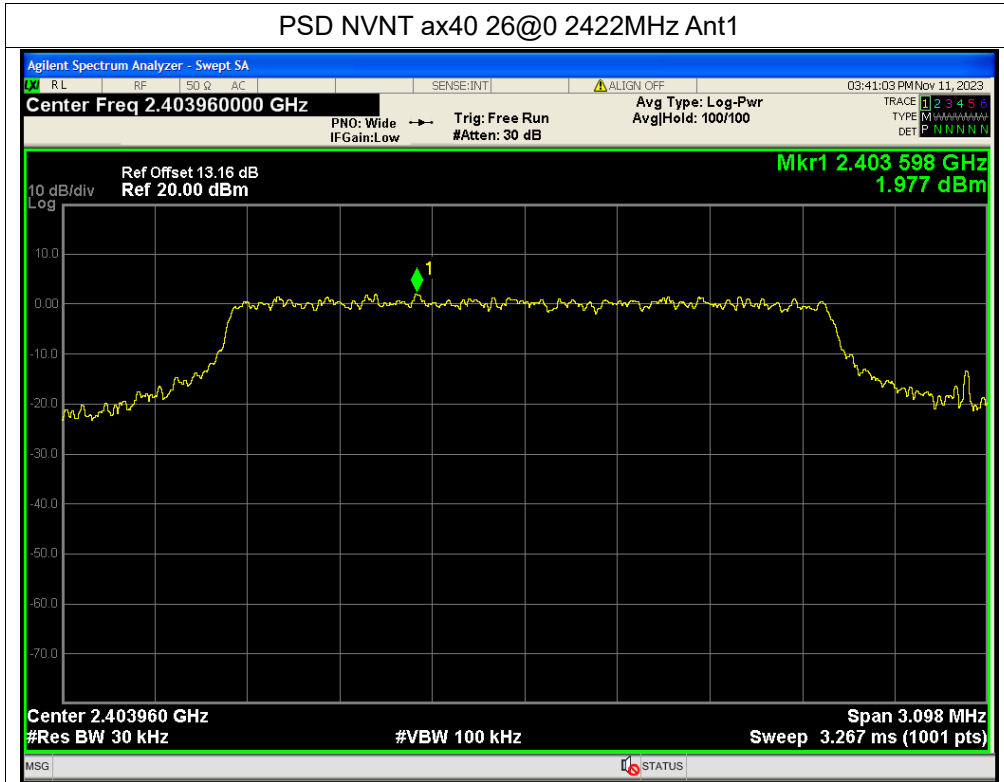


PSD NVNT ax40 26@0 2422MHz Ant2

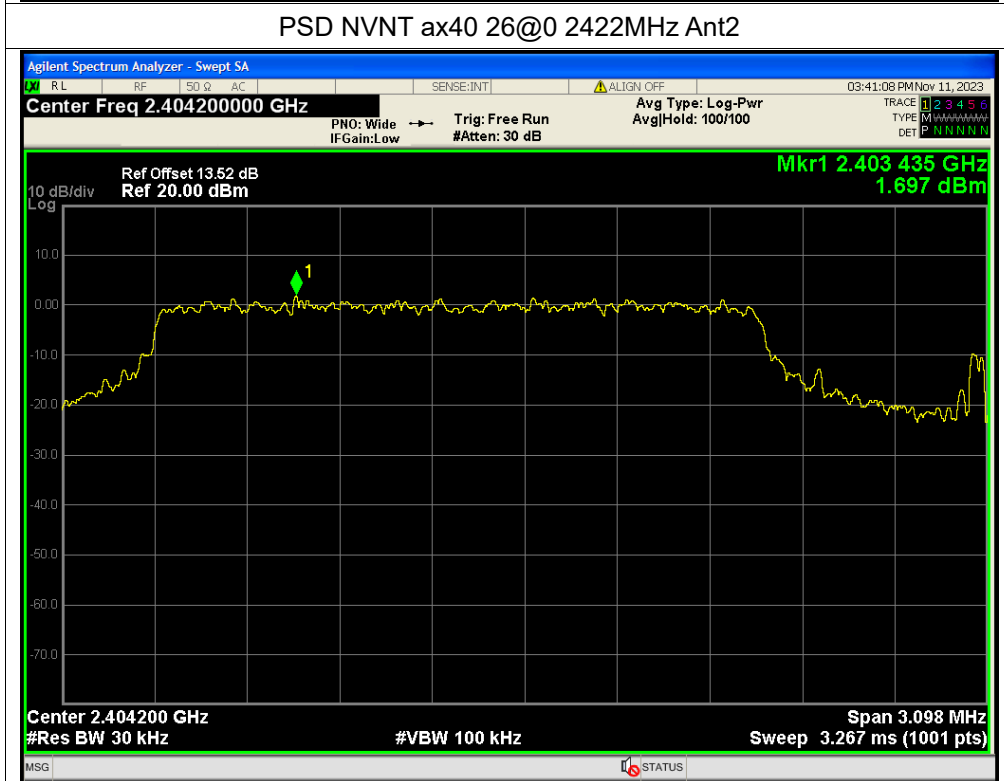




PSD NVNT ax40 26@0 2422MHz Ant1

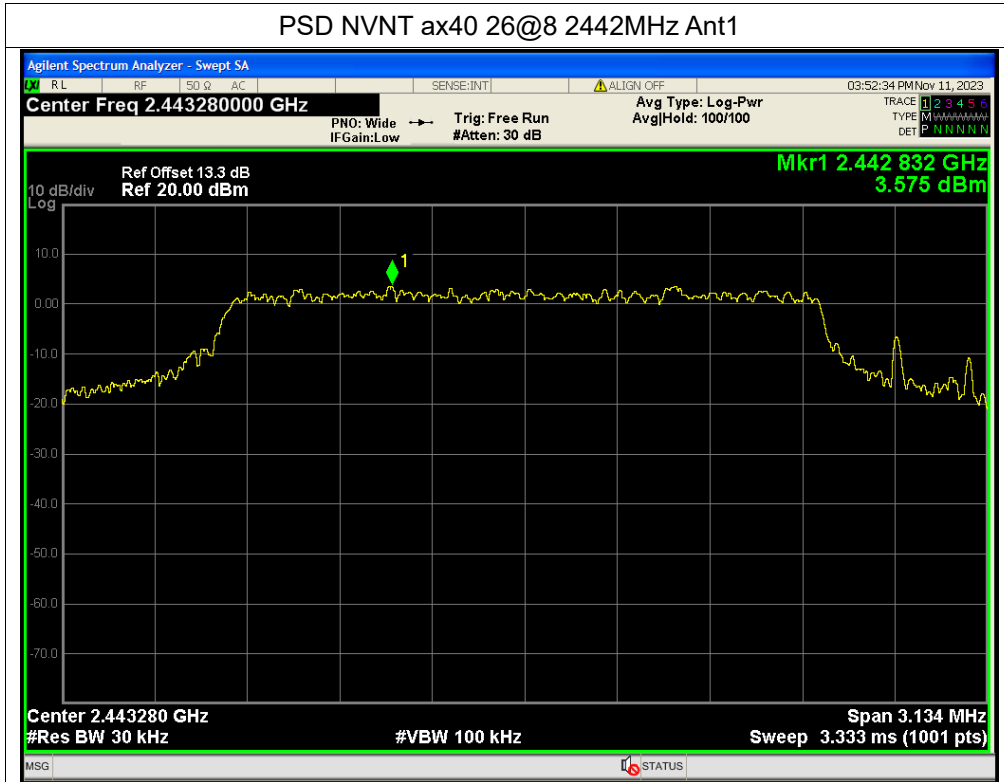


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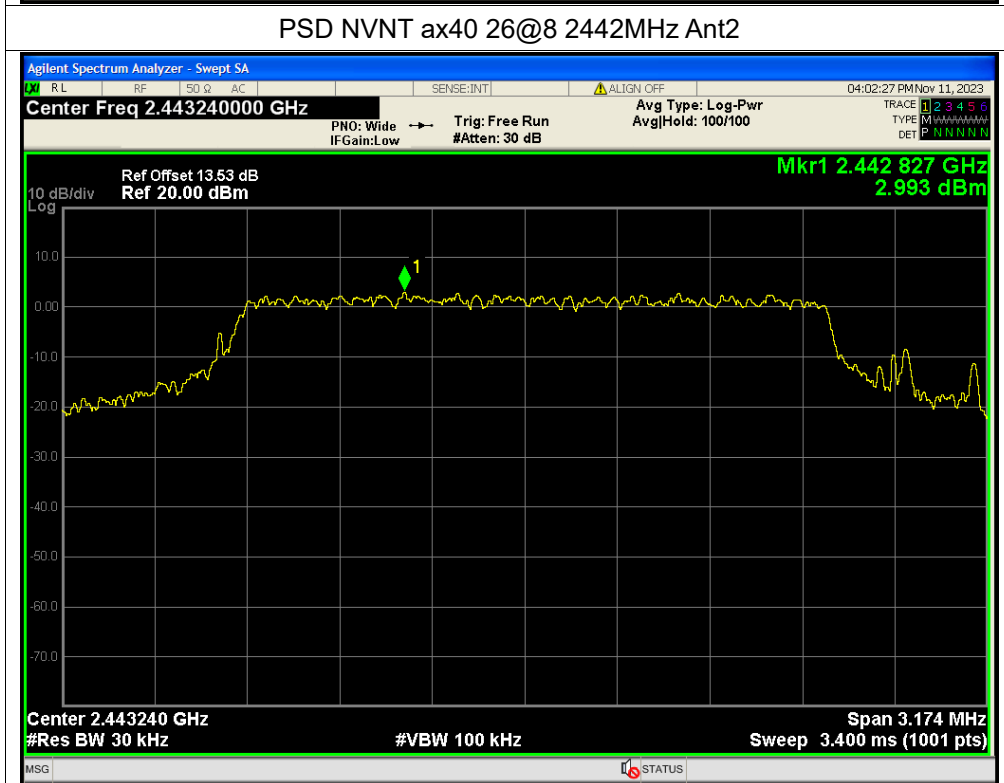




PSD NVNT ax40 26@8 2442MHz Ant1

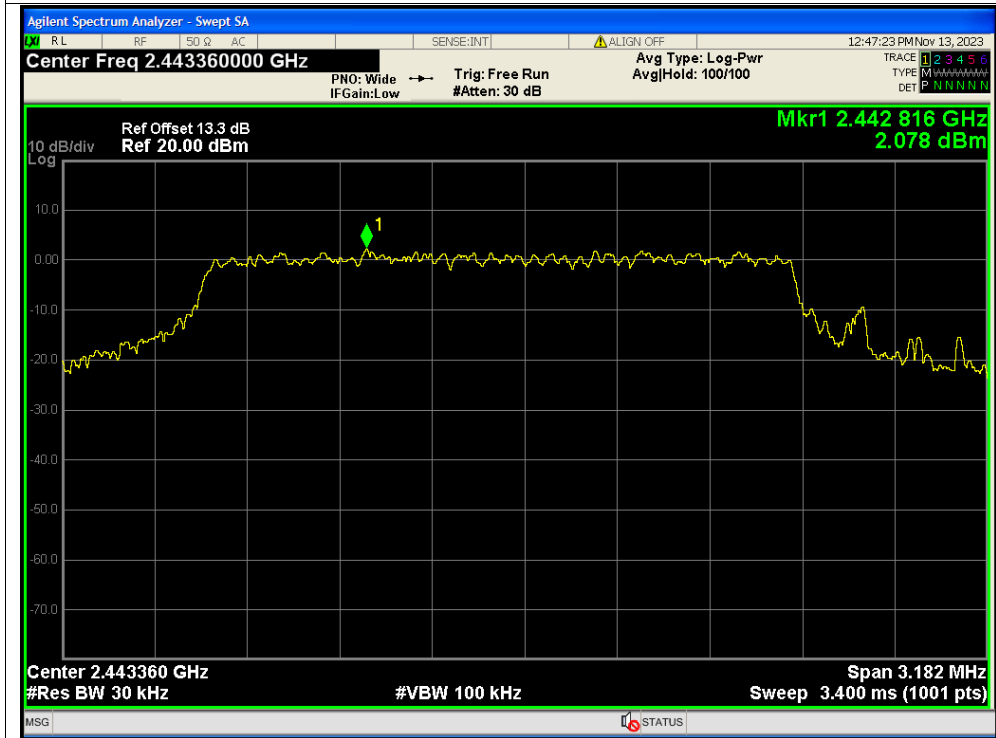


PSD NVNT ax40 26@8 2442MHz Ant2

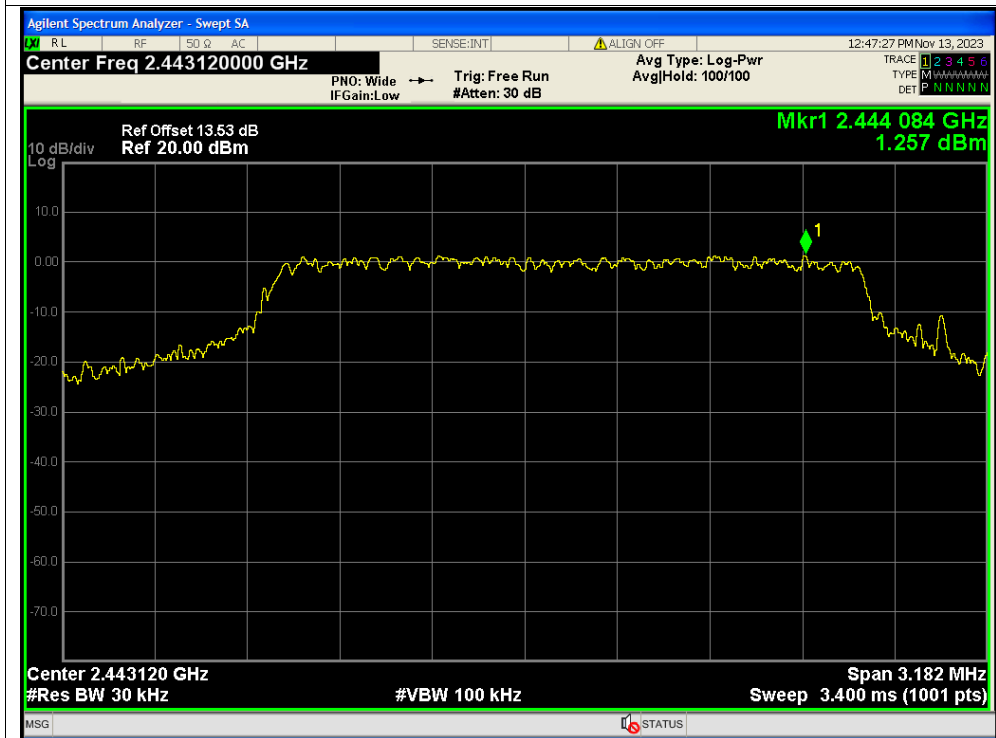




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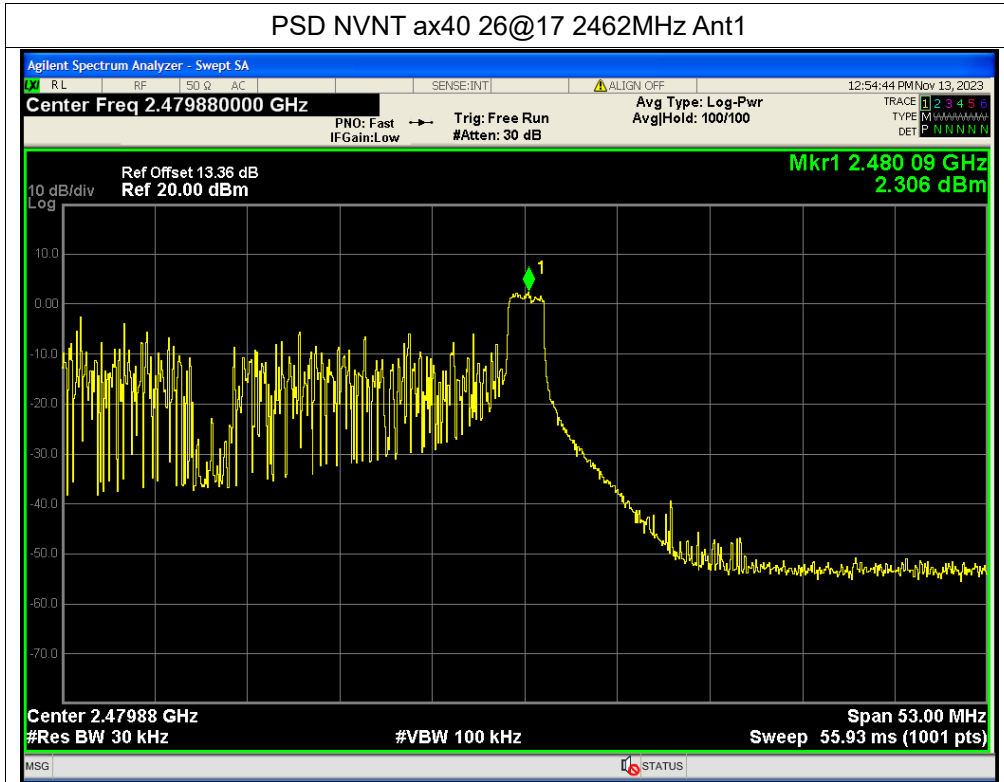


PSD NVNT ax40 26@8 2442MHz Ant2

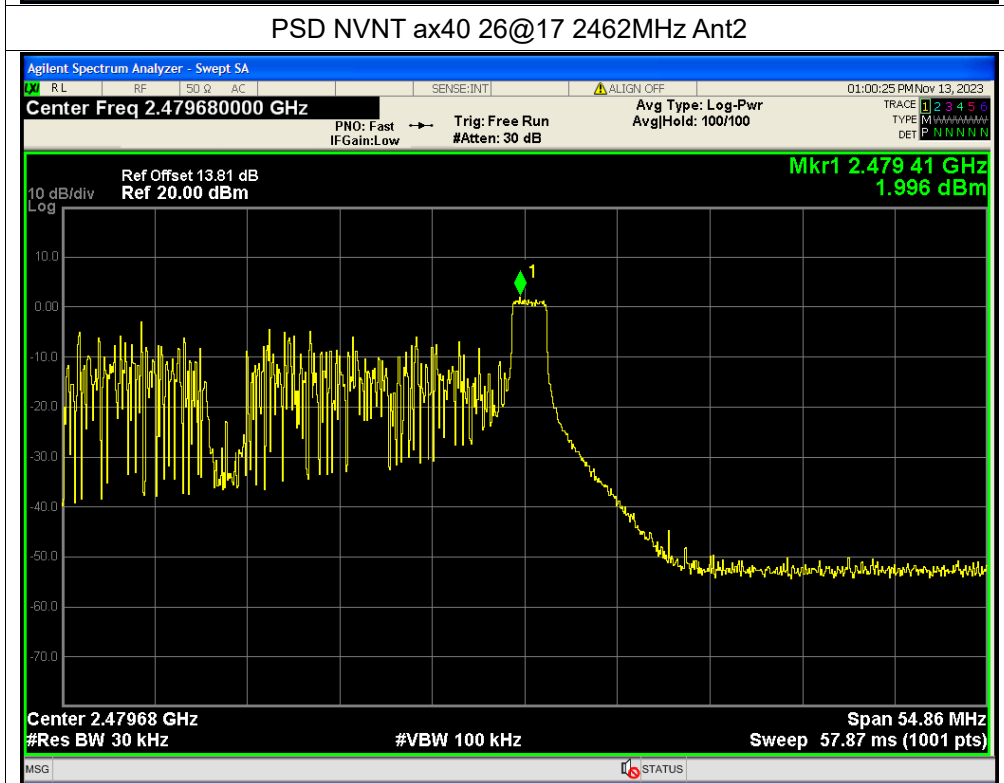




PSD NVNT ax40 26@17 2462MHz Ant1

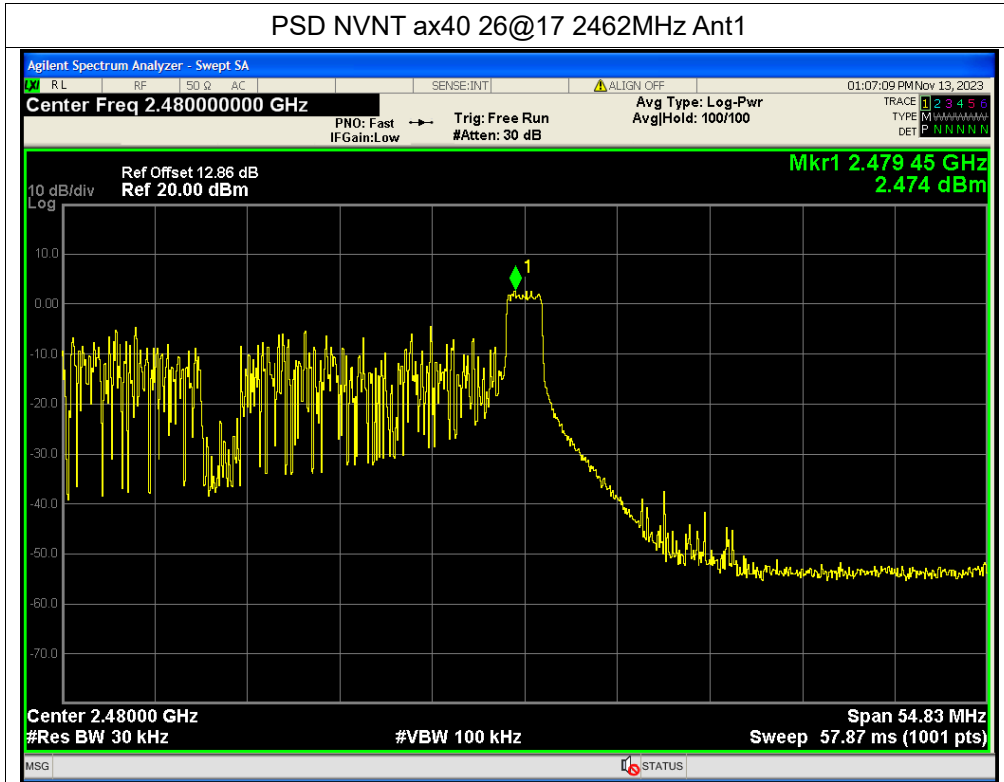


PSD NVNT ax40 26@17 2462MHz Ant2

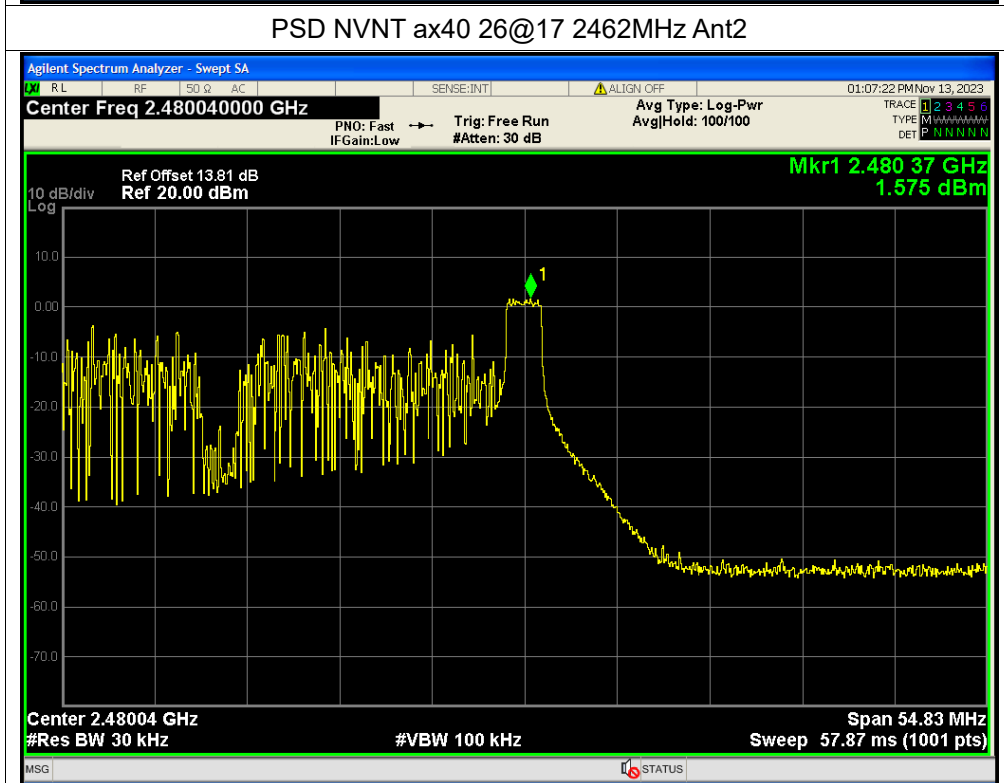




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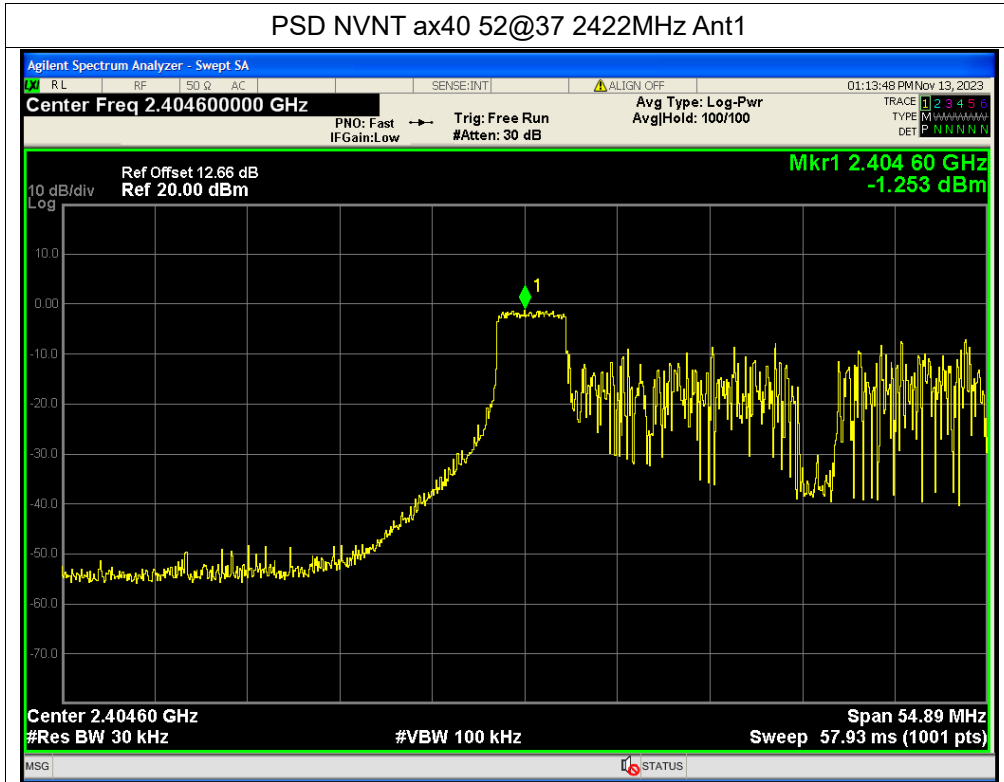


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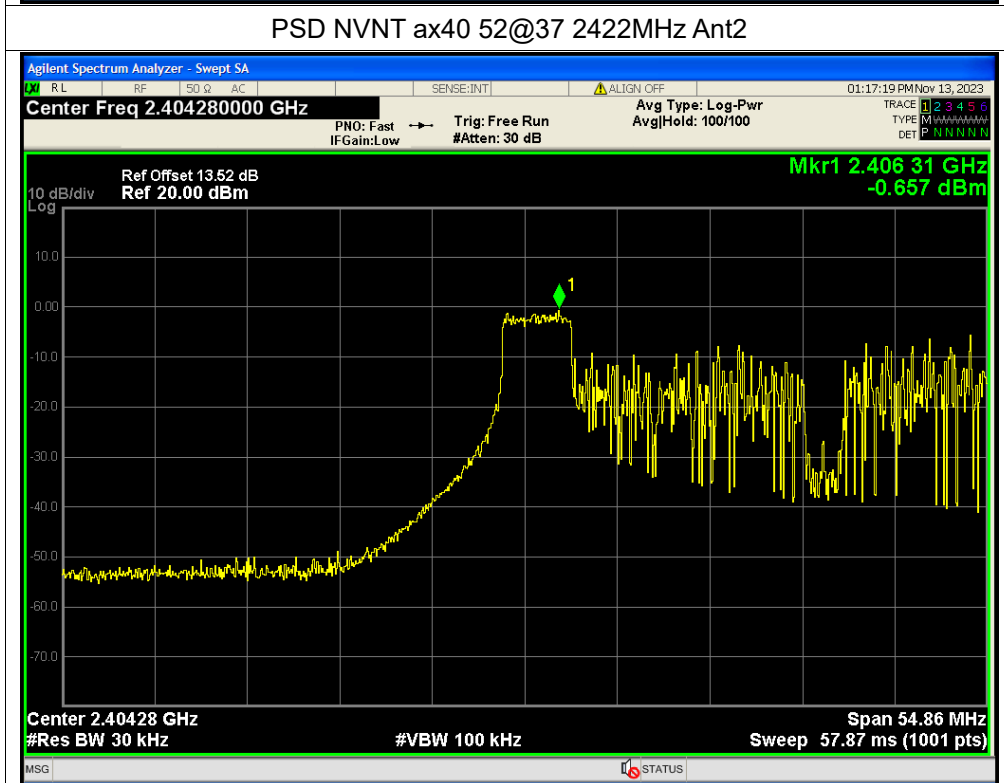




PSD NVNT ax40 52@37 2422MHz Ant1

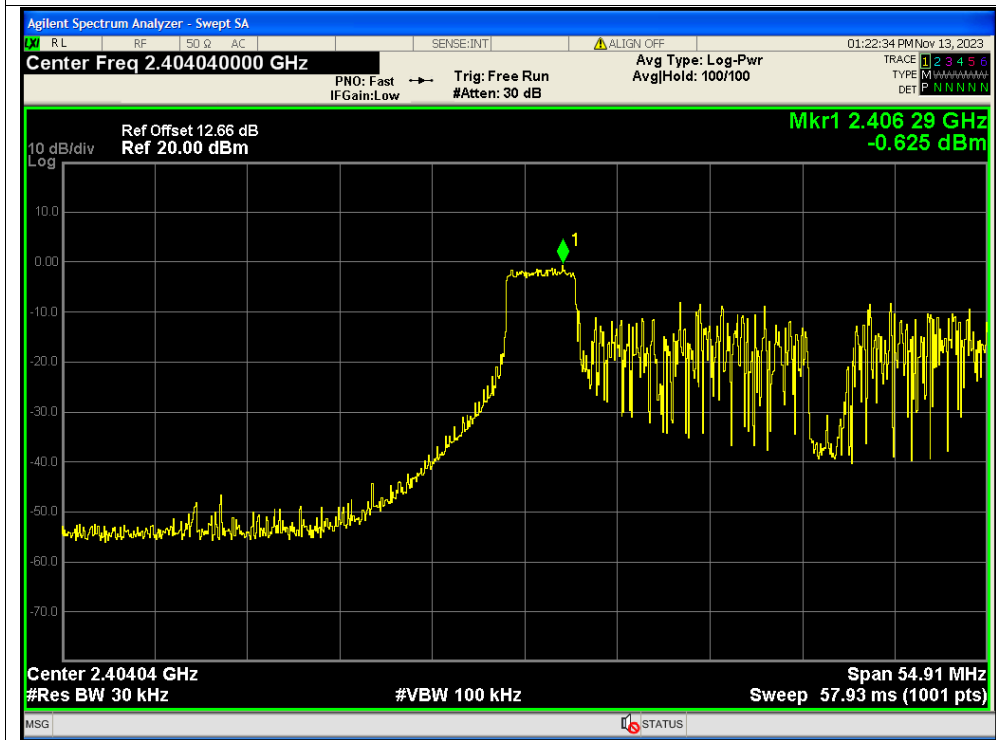


PSD NVNT ax40 52@37 2422MHz Ant2

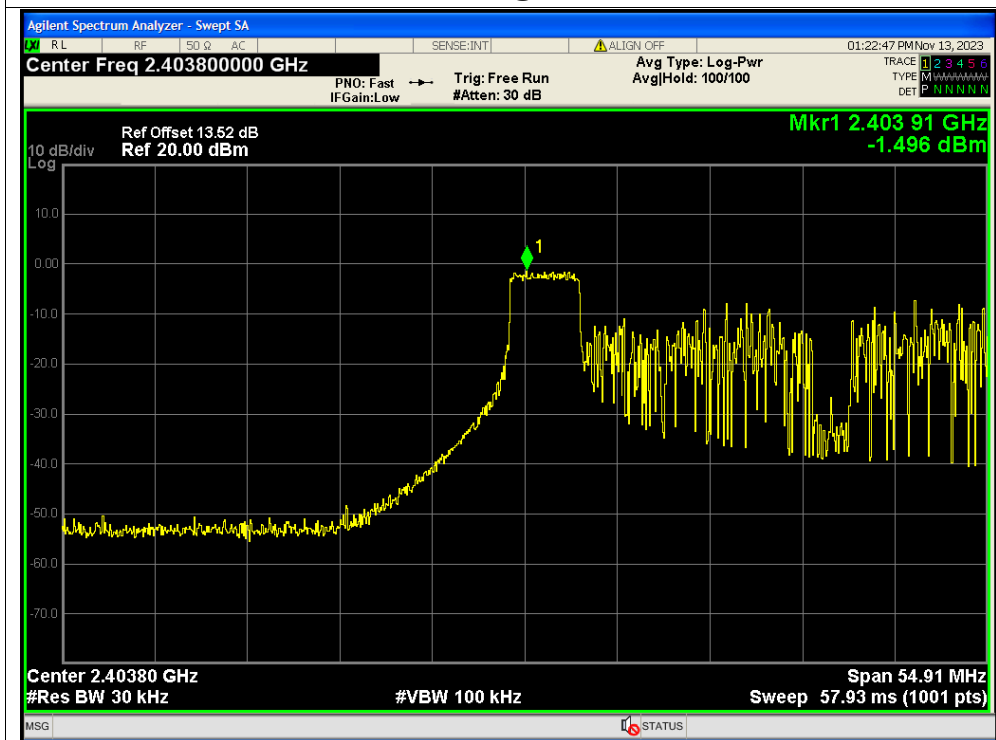




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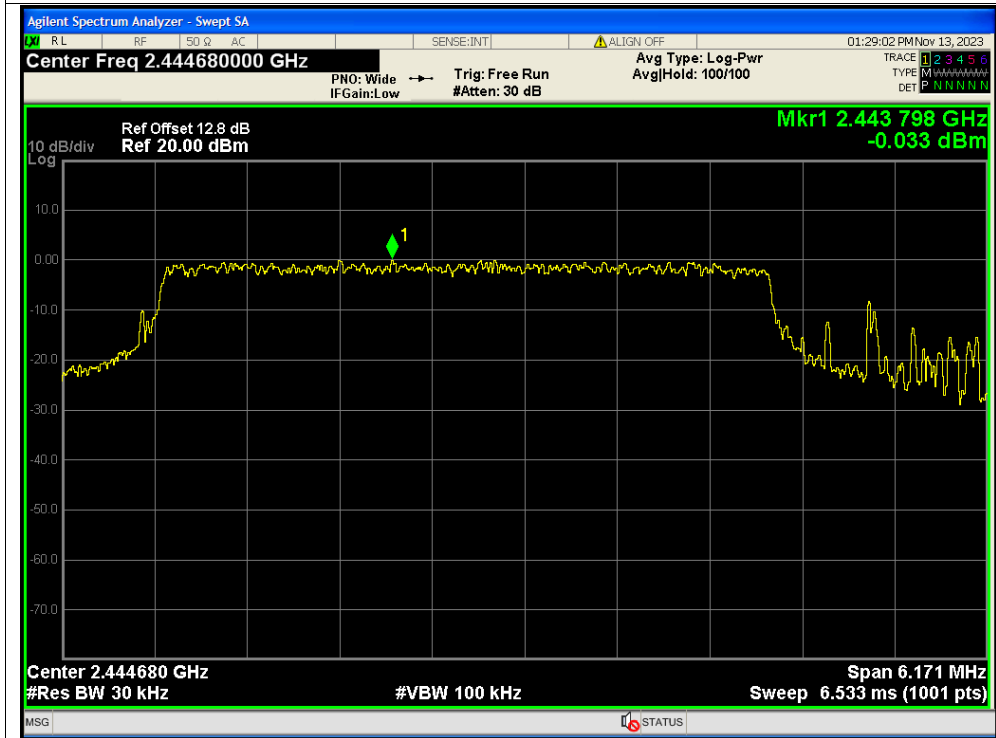


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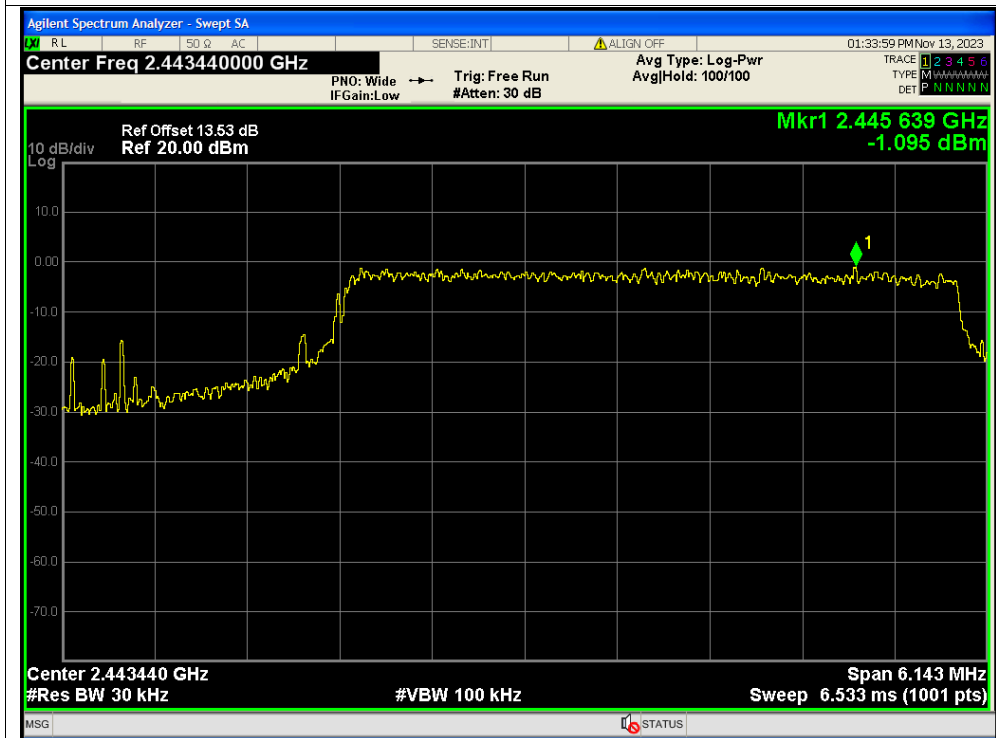




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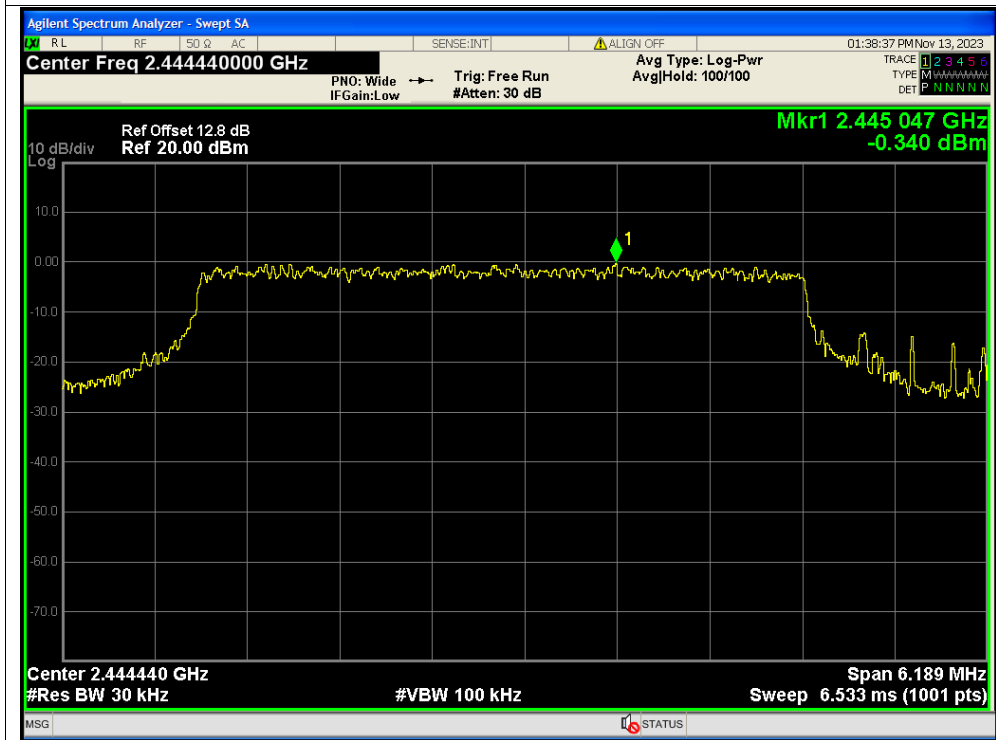


PSD NVNT ax40 52@40 2442MHz Ant2

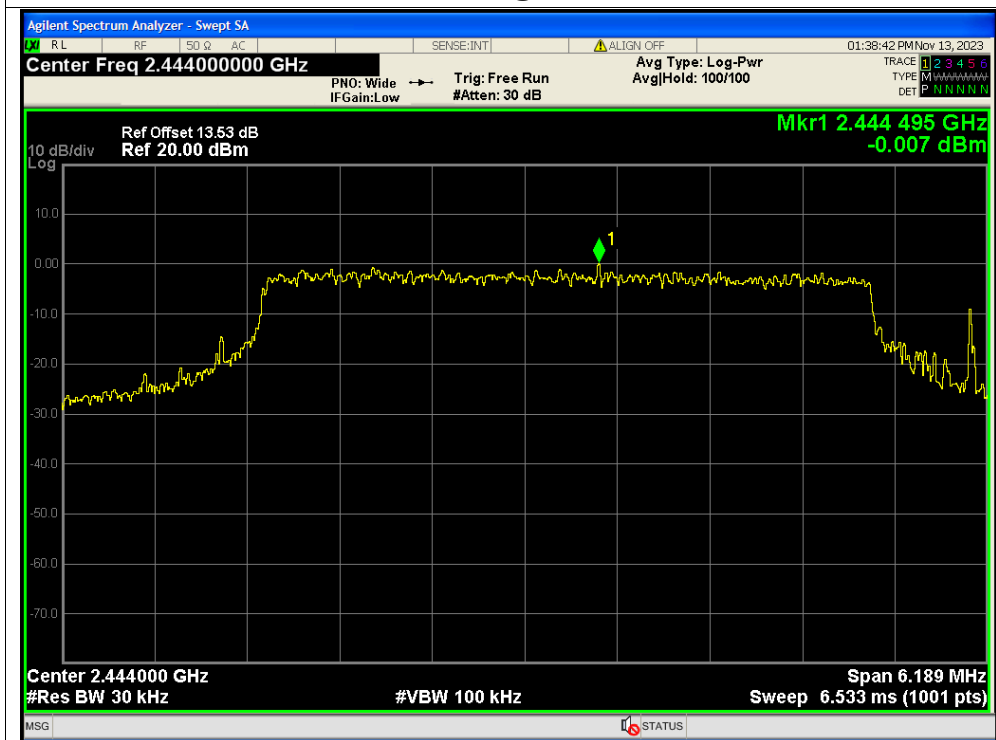




PSD NVNT ax40 52@40 2442MHz Ant1

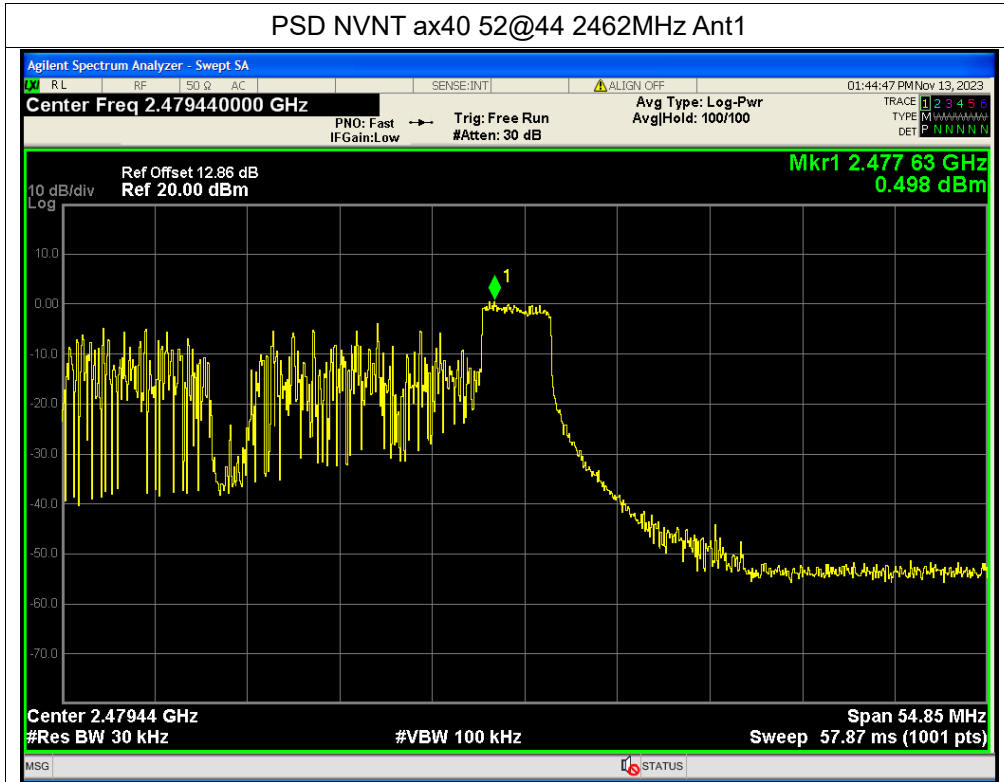


PSD NVNT ax40 52@40 2442MHz Ant2

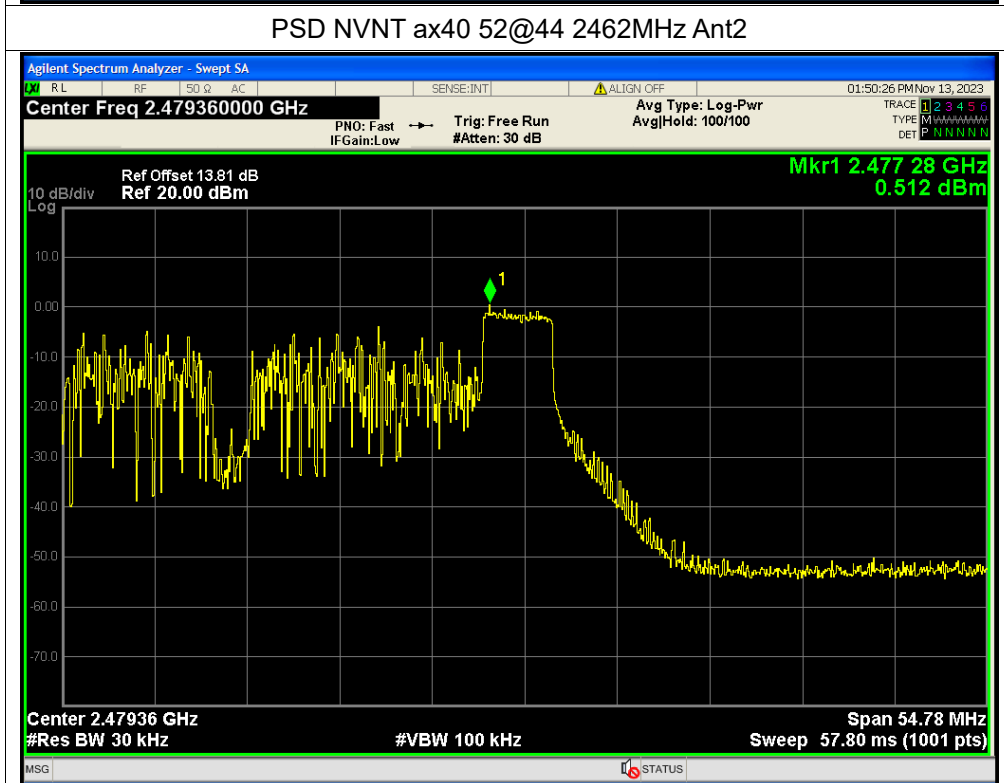




PSD NVNT ax40 52@44 2462MHz Ant1

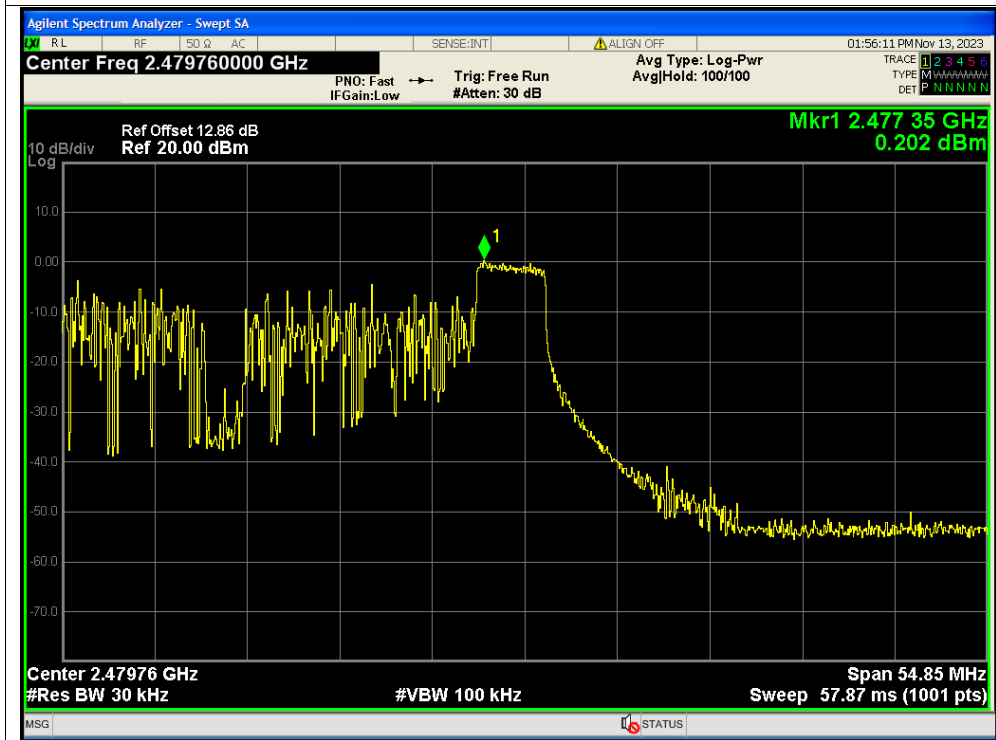


PSD NVNT ax40 52@44 2462MHz Ant2

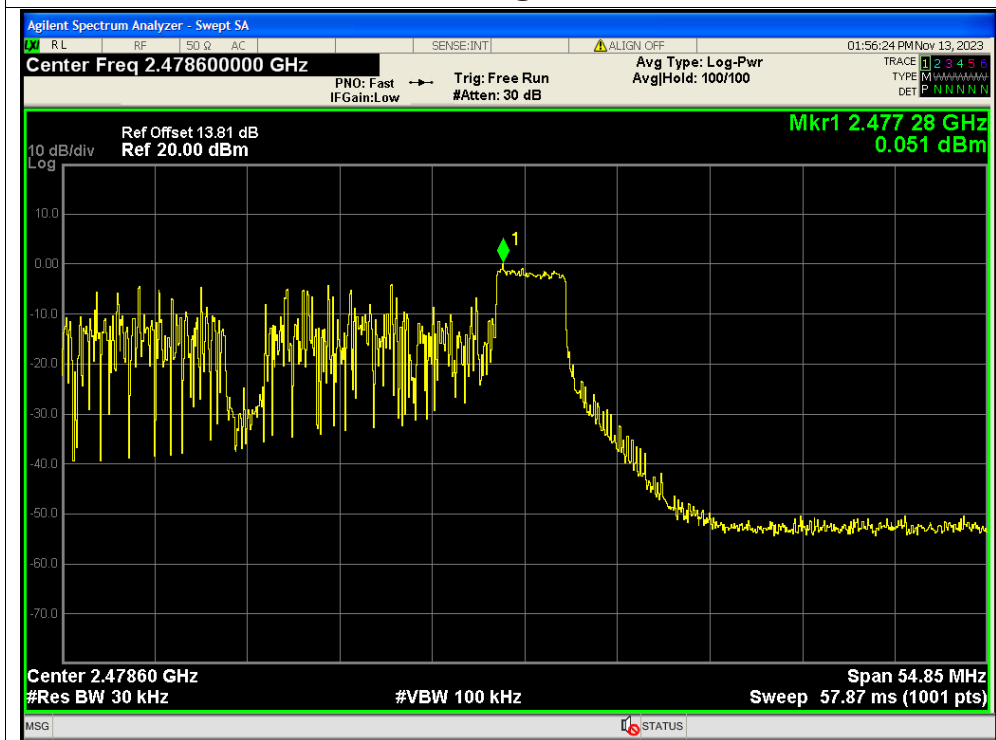




PSD NVNT ax40 52@44 2462MHz Ant1

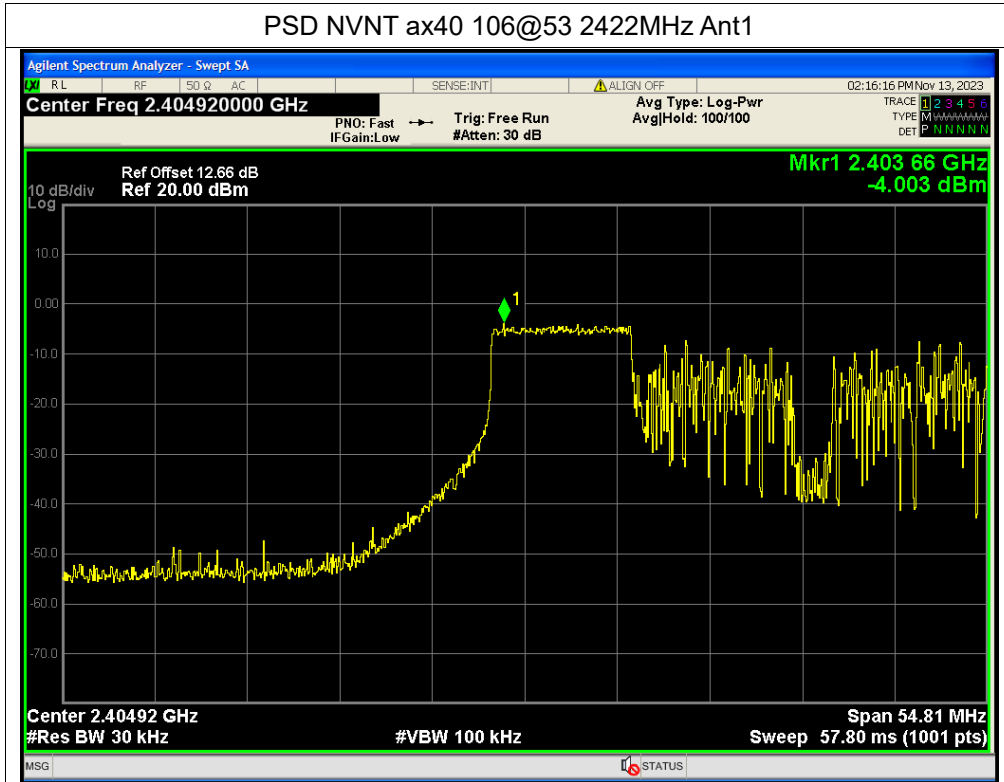


PSD NVNT ax40 52@44 2462MHz Ant2

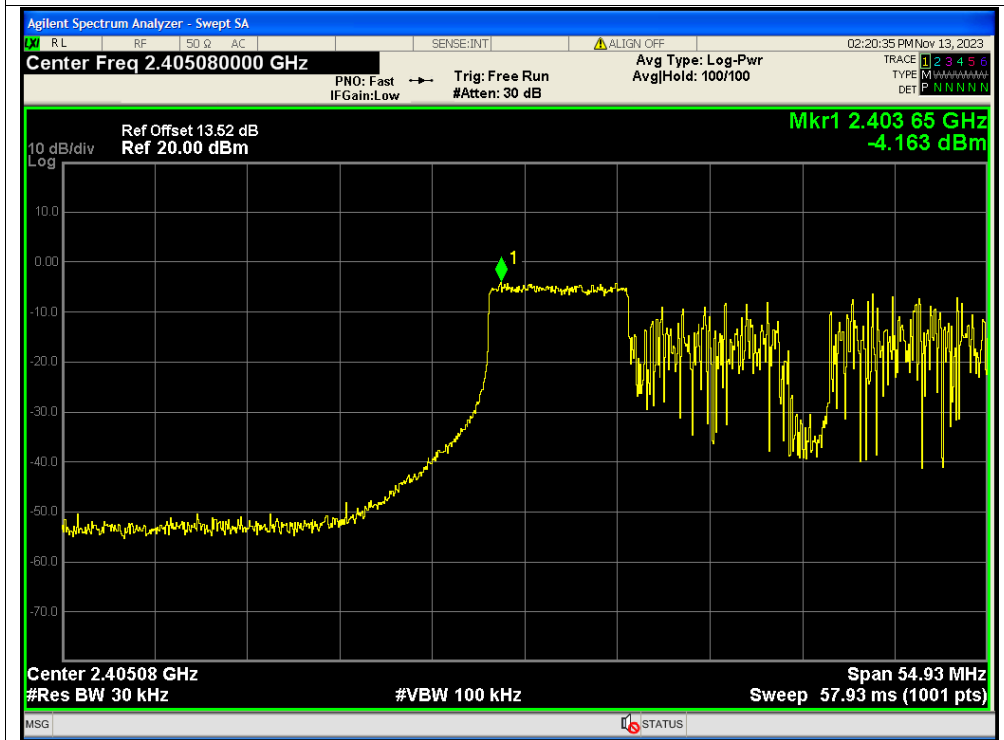




PSD NVNT ax40 106@53 2422MHz Ant1

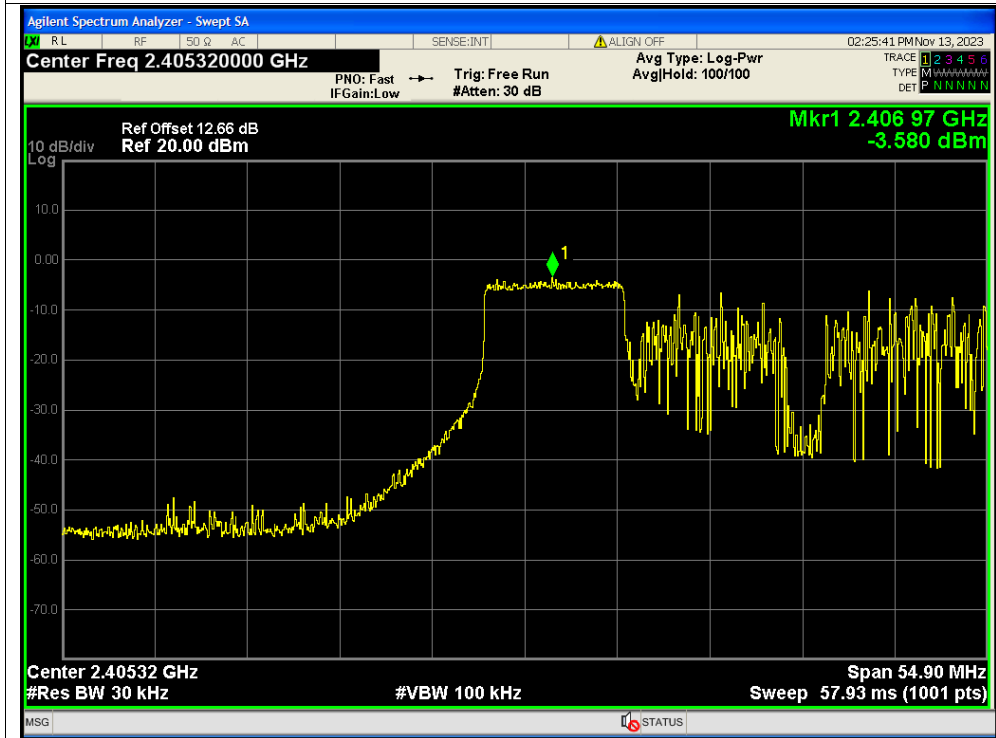


PSD NVNT ax40 106@53 2422MHz Ant2

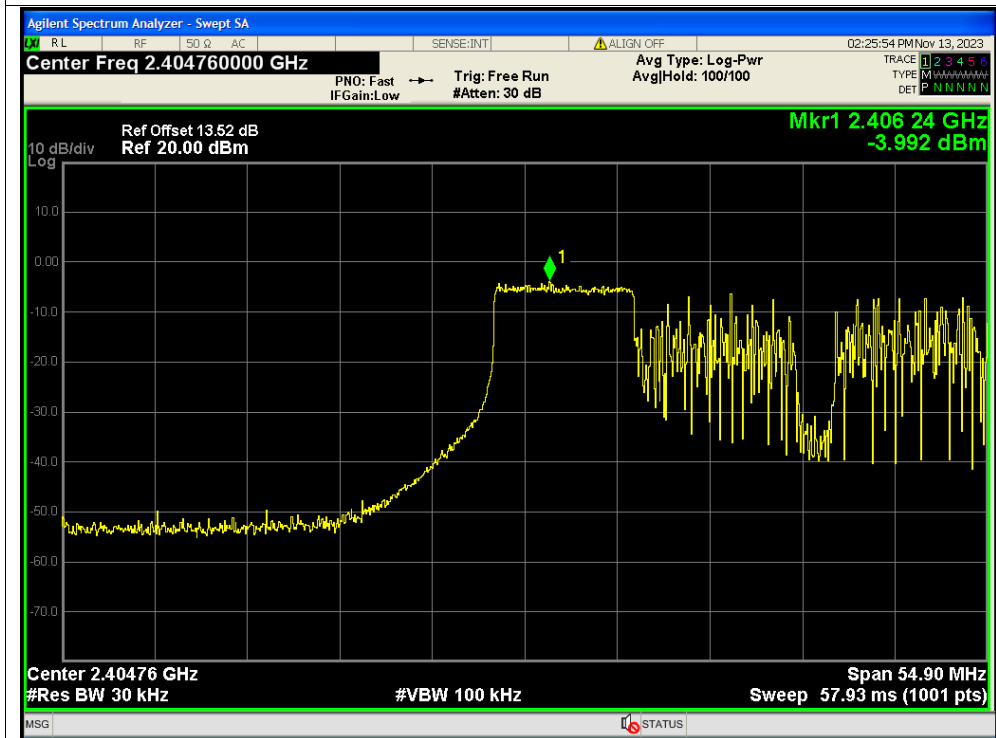




PSD NVNT ax40 106@53 2422MHz Ant1

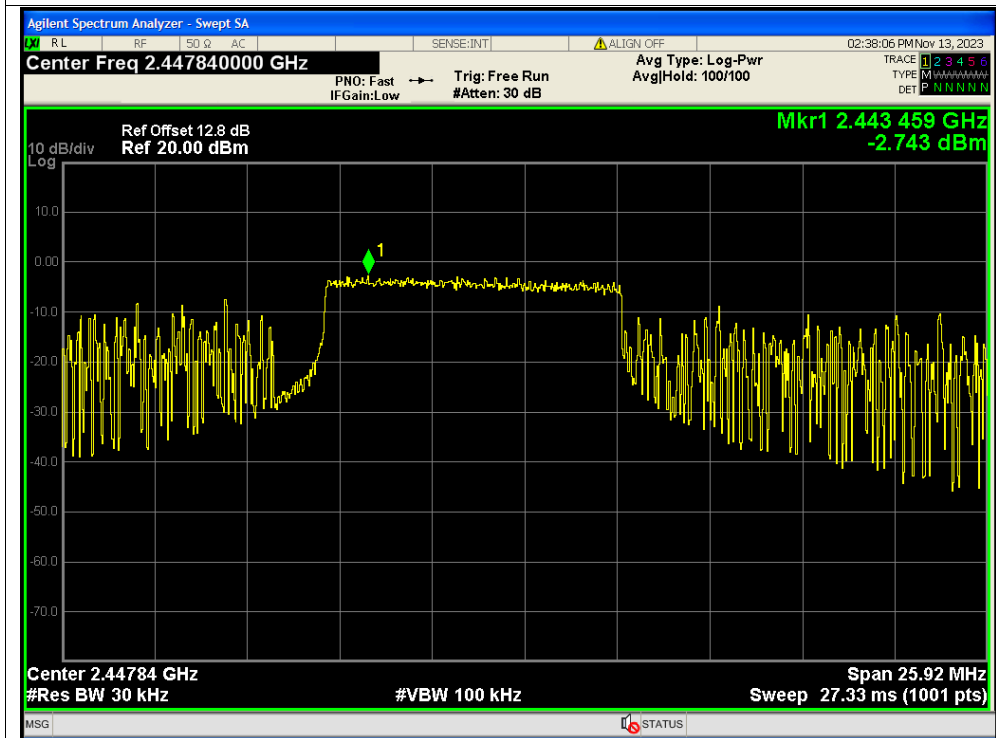


PSD NVNT ax40 106@53 2422MHz Ant2

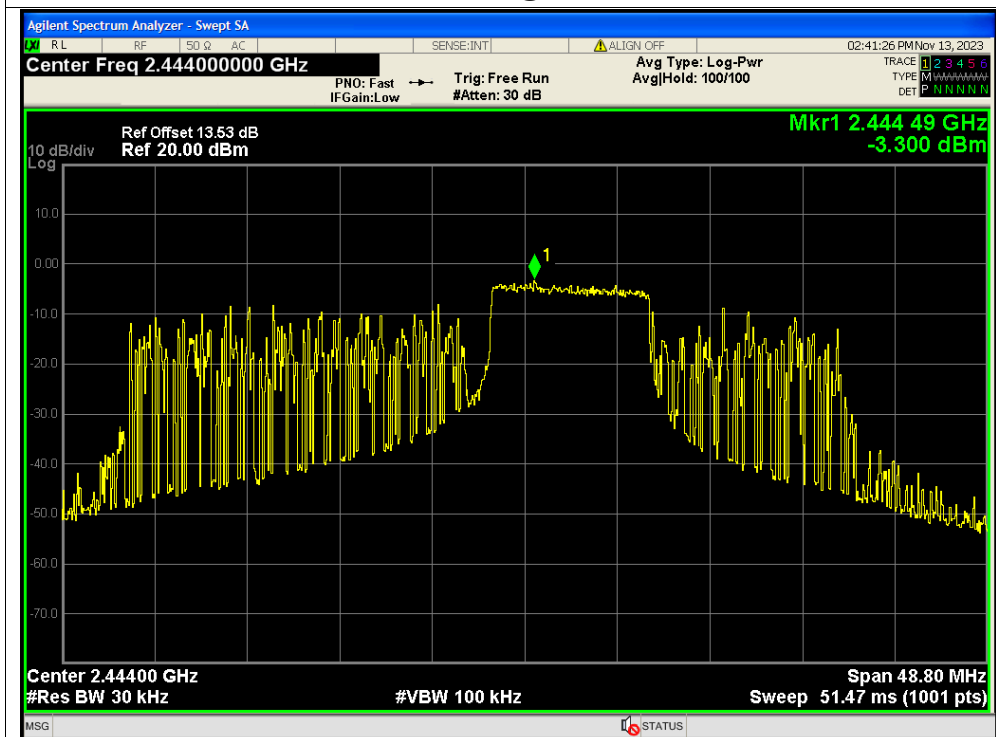




PSD NVNT ax40 106@54 2442MHz Ant1

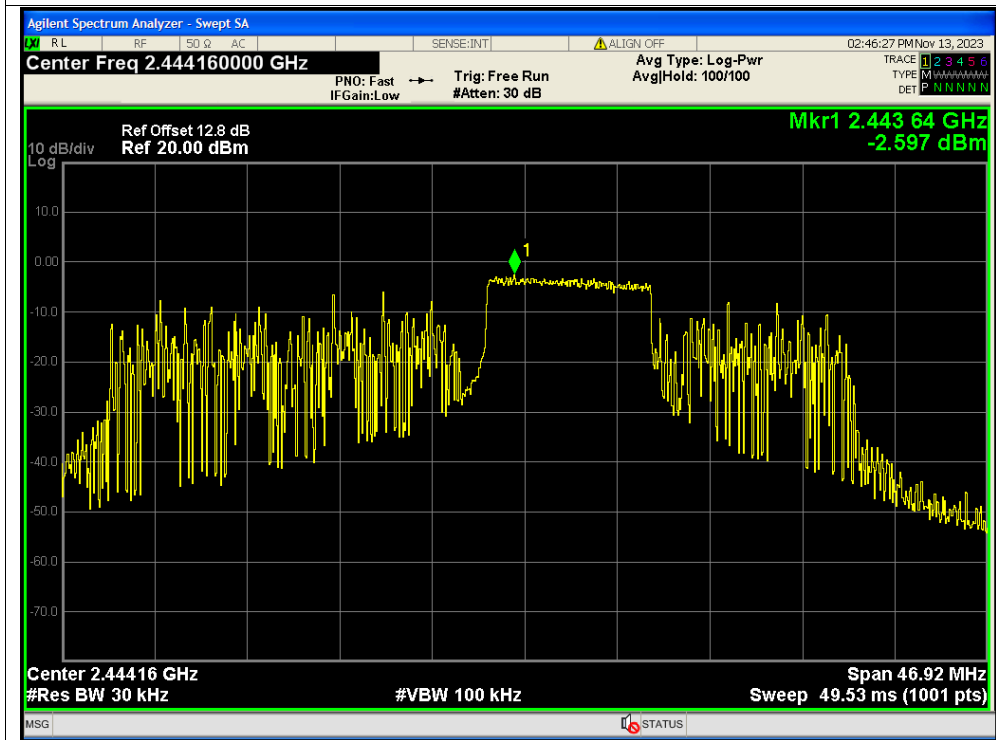


PSD NVNT ax40 106@54 2442MHz Ant2

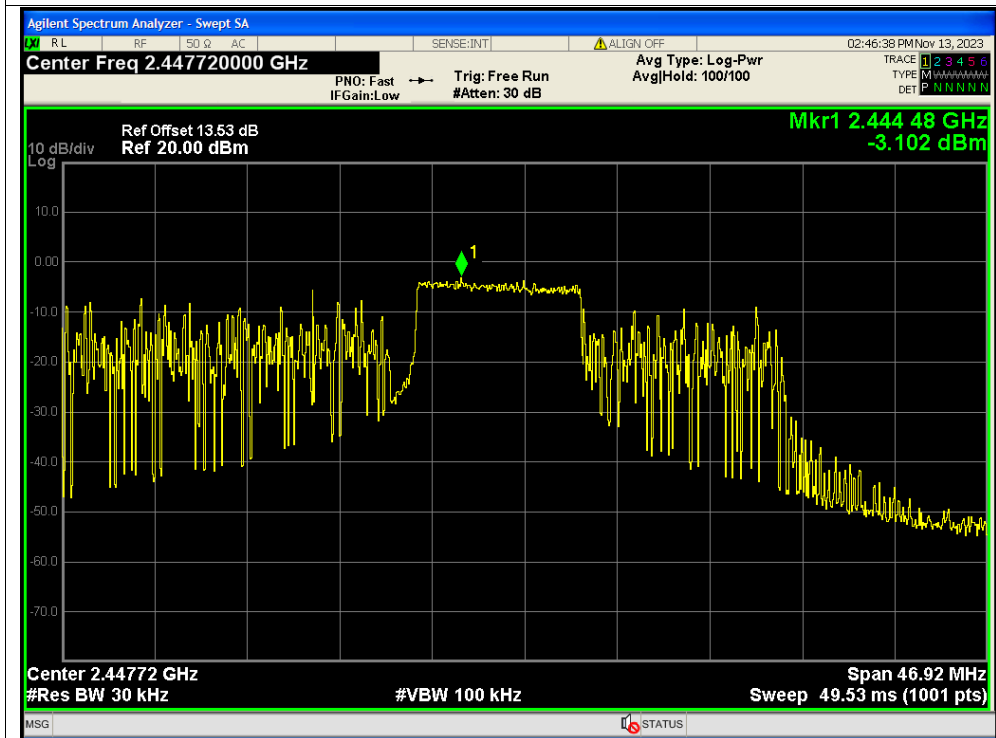




PSD NVNT ax40 106@54 2442MHz Ant1



PSD NVNT ax40 106@54 2442MHz Ant2

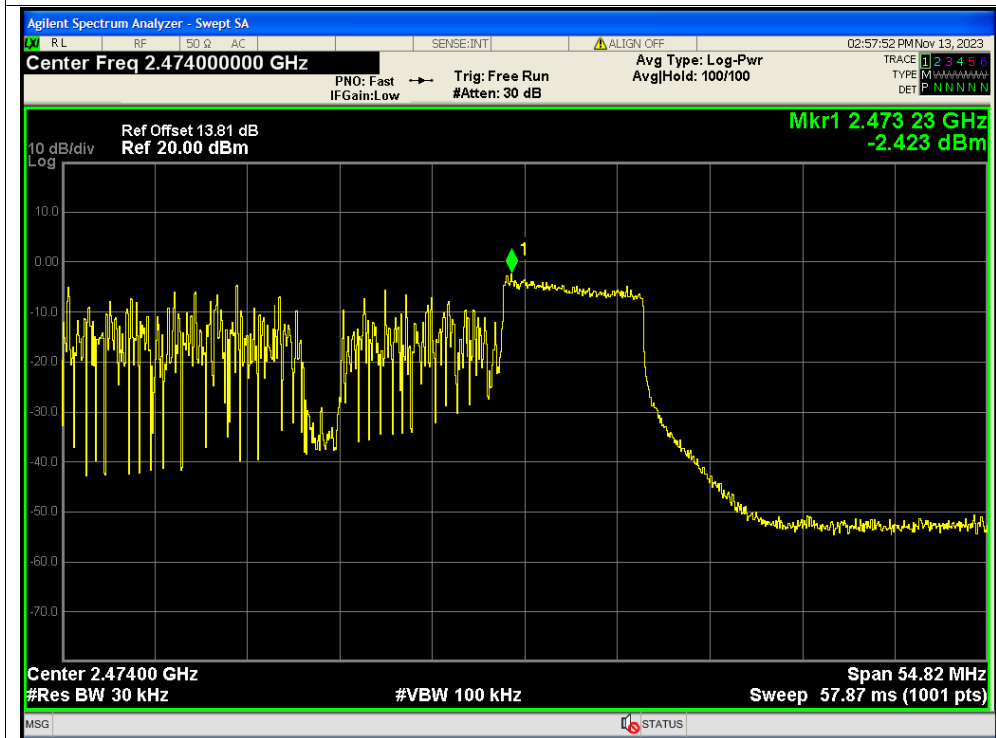




PSD NVNT ax40 106@56 2462MHz Ant1

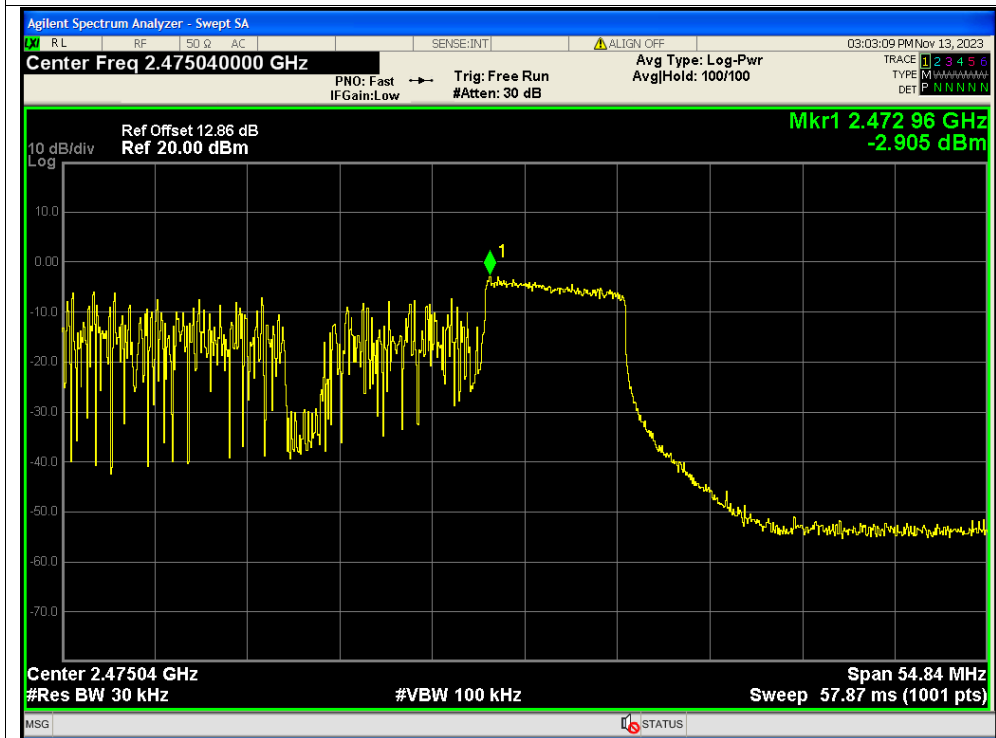


PSD NVNT ax40 106@56 2462MHz Ant2

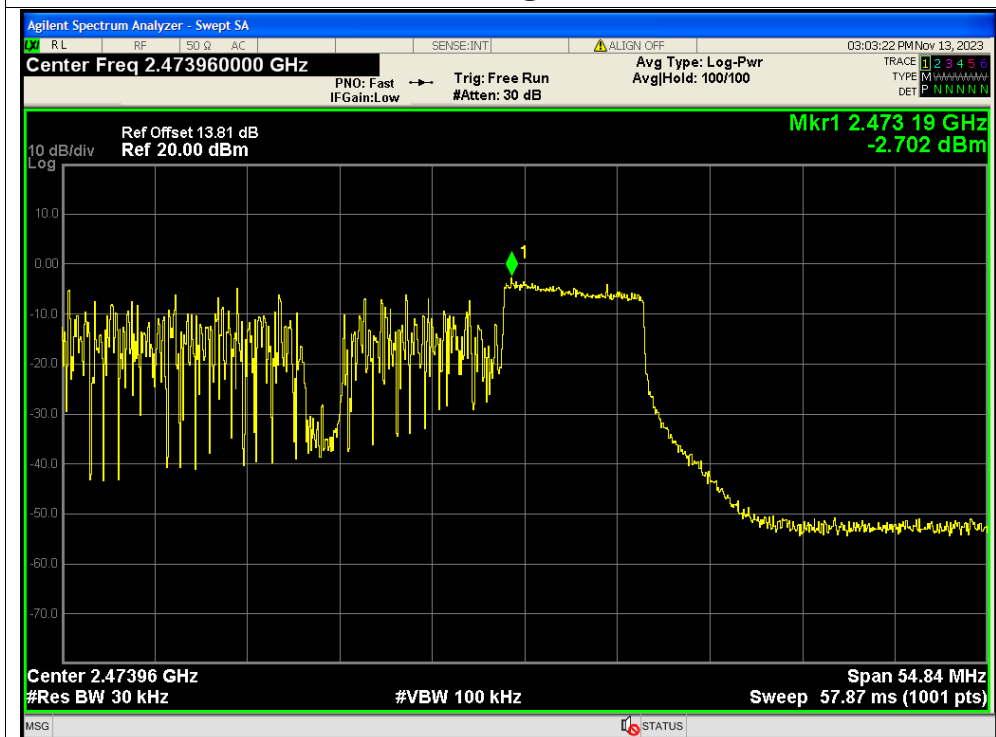




PSD NVNT ax40 106@56 2462MHz Ant1

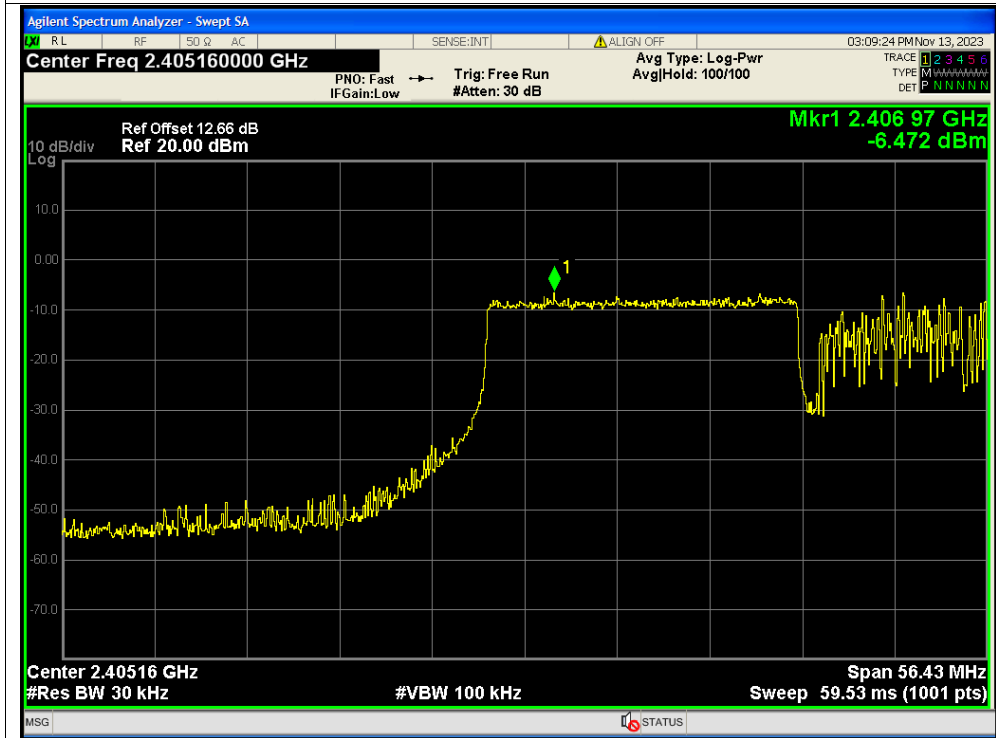


PSD NVNT ax40 106@56 2462MHz Ant2

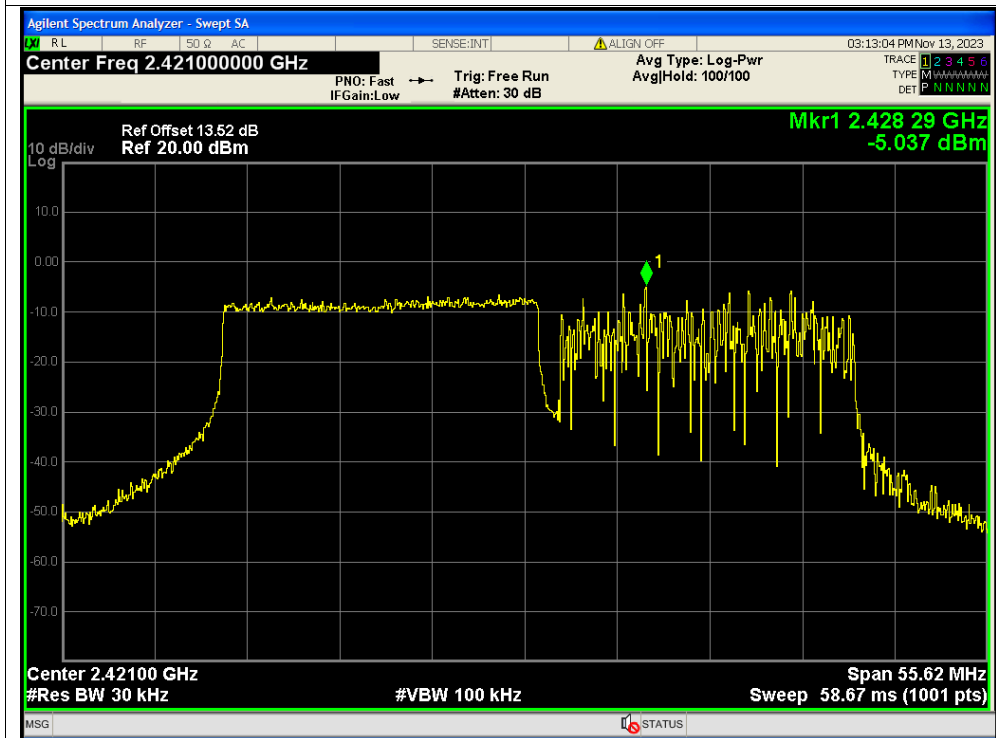




PSD NVNT ax40 242@61 2422MHz Ant1

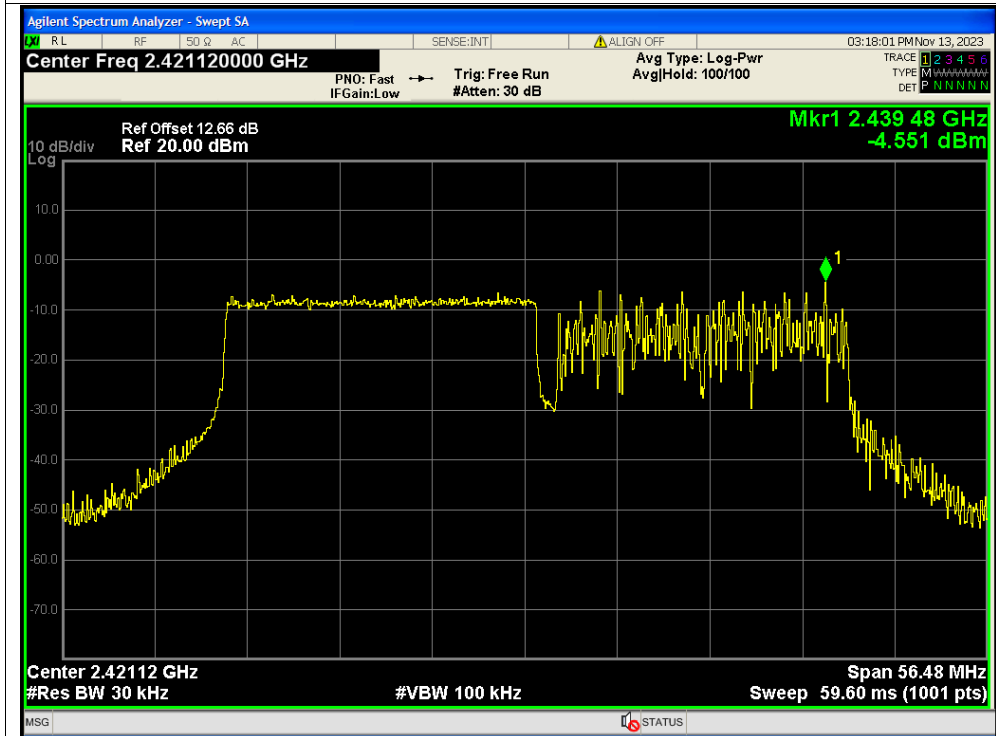


PSD NVNT ax40 242@61 2422MHz Ant2

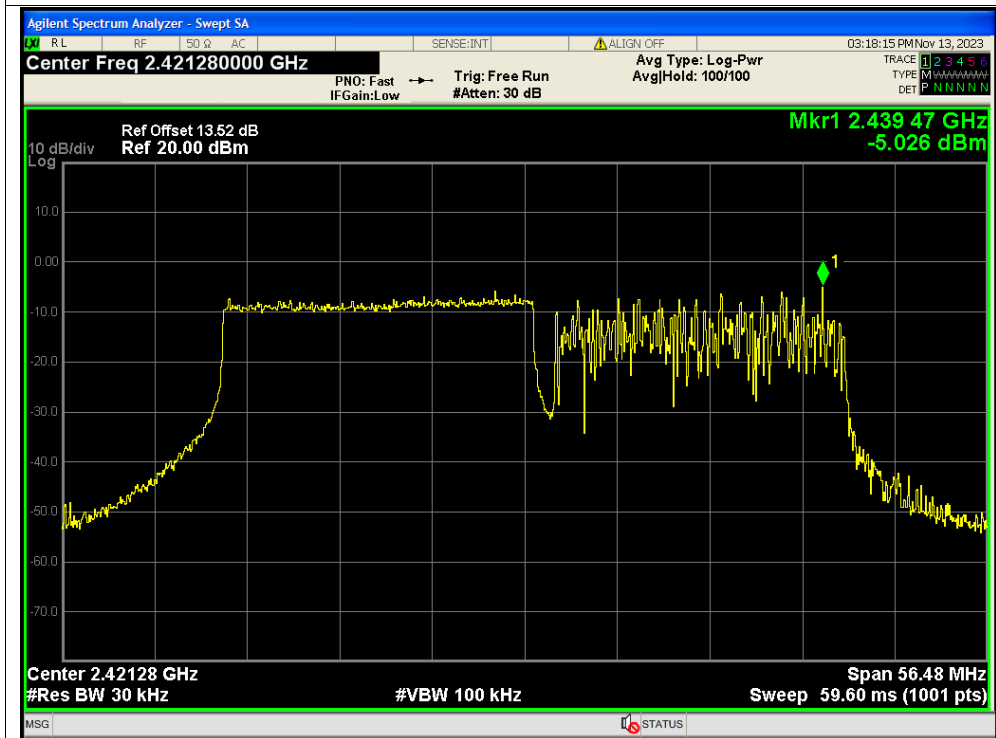




PSD NVNT ax40 242@61 2422MHz Ant1

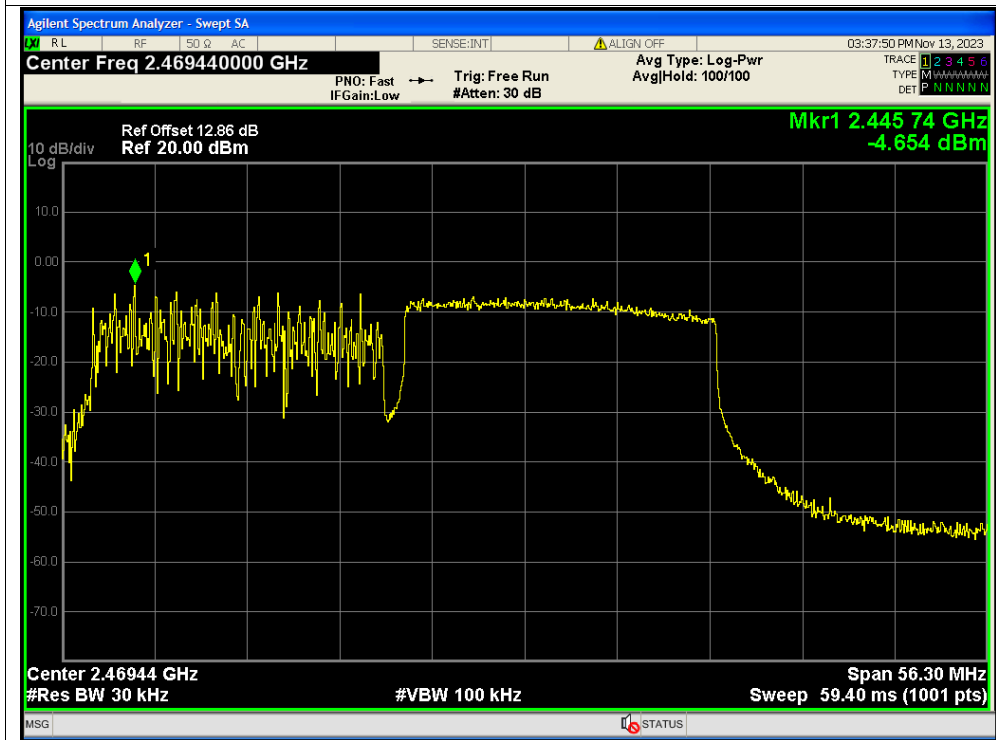


PSD NVNT ax40 242@61 2422MHz Ant2

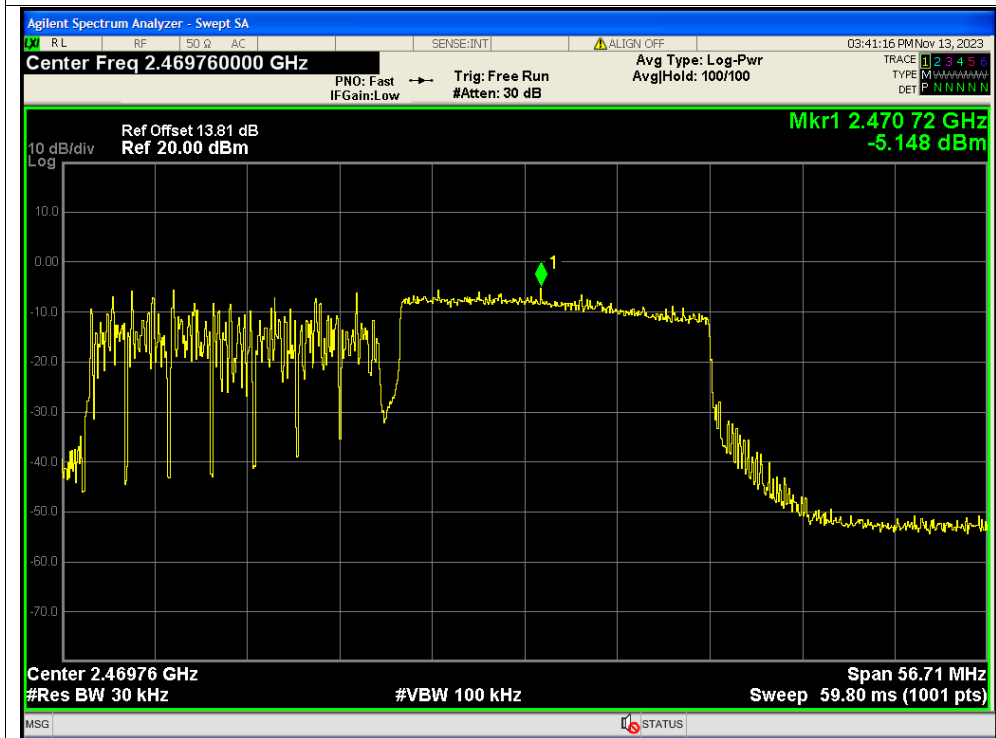




PSD NVNT ax40 242@62 2462MHz Ant1

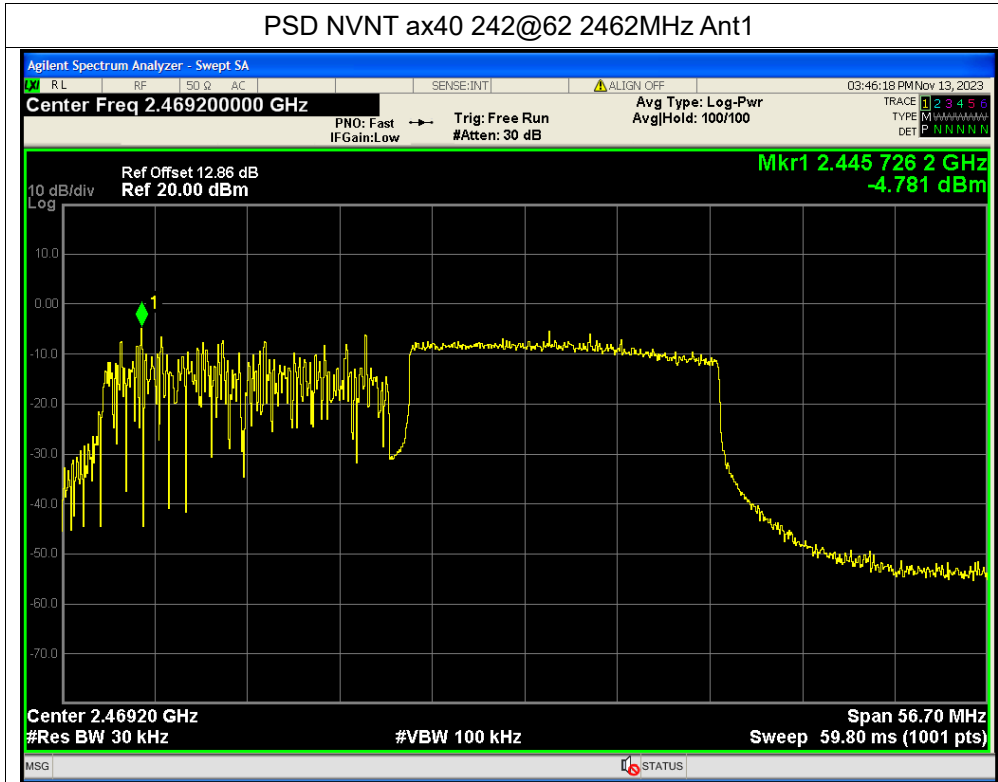


PSD NVNT ax40 242@62 2462MHz Ant2

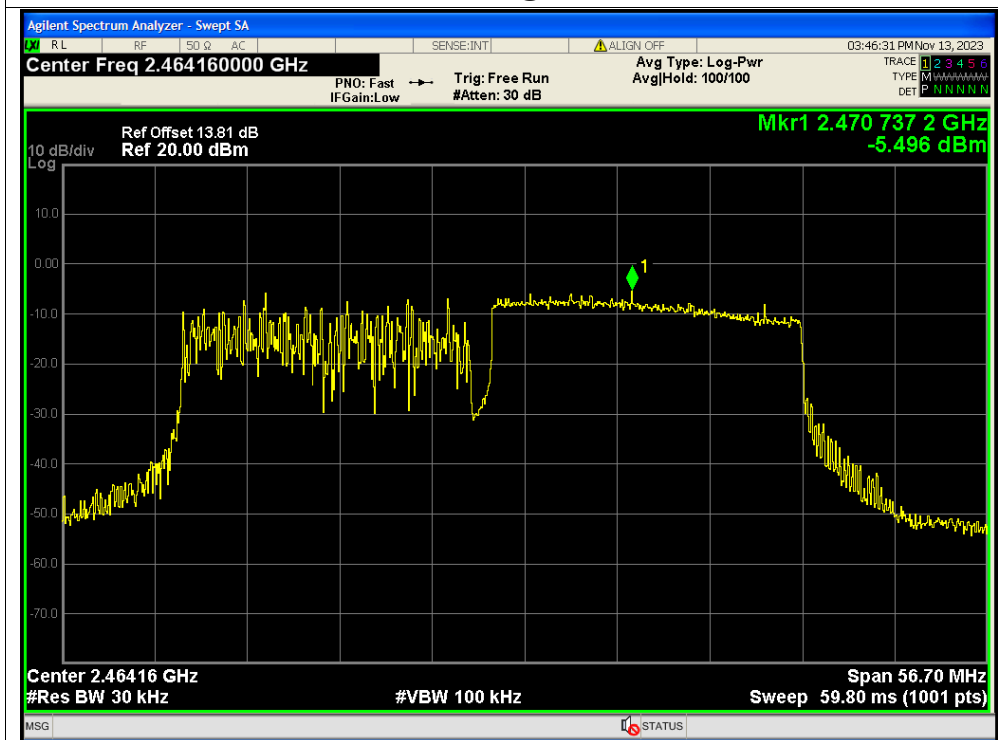




PSD NVNT ax40 242@62 2462MHz Ant1



PSD NVNT ax40 242@62 2462MHz Ant2





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+USB Cable+PC+PC Adapter+WIFI TX

Test voltage: AC 120V/60Hz

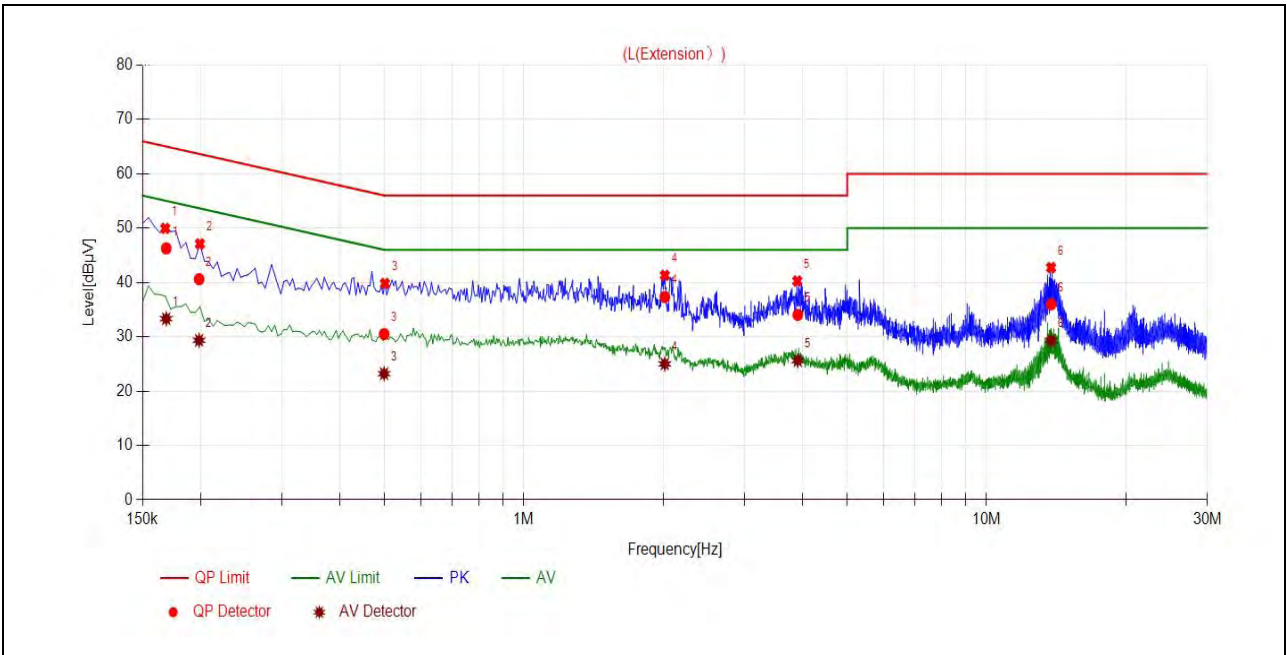
The measurement results are obtained as below:

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

U_R : Receiver Reading

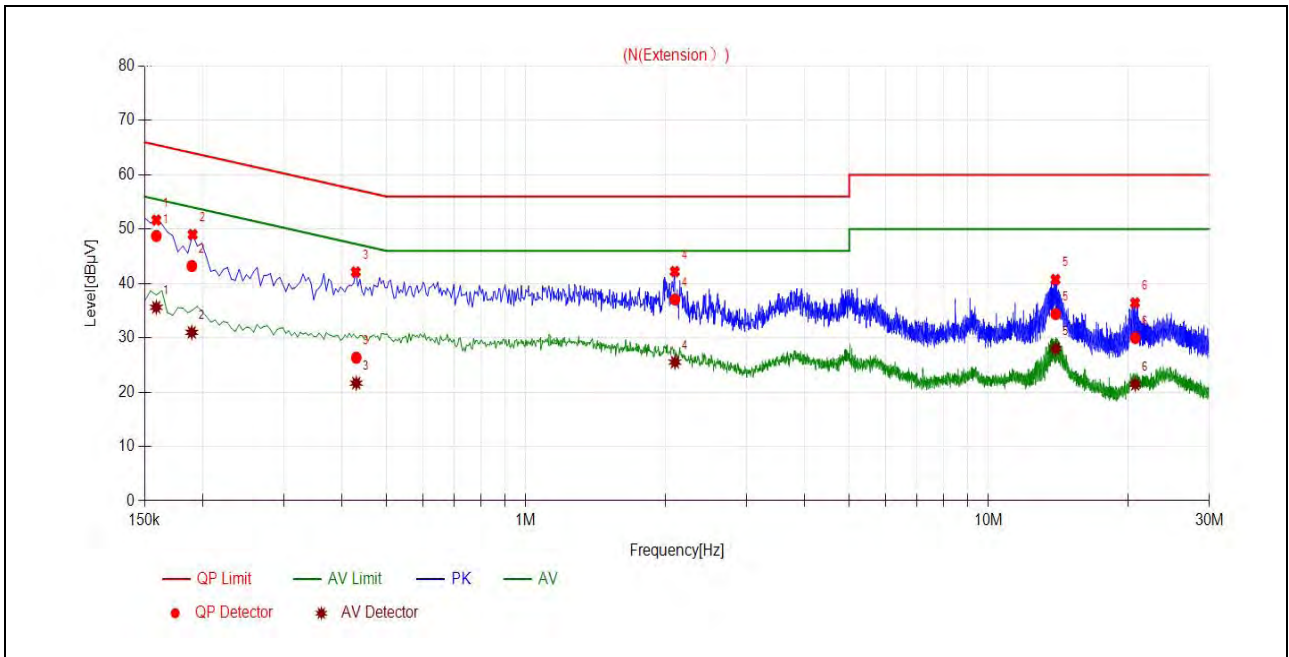
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1687	46.28	33.33	65.02	55.02	Line	PASS
2	0.1987	40.61	29.35	63.66	53.66		PASS
3	0.4989	30.49	23.22	56.02	46.02		PASS
4	2.0164	37.33	25.01	56.00	46.00		PASS
5	3.9082	34.03	25.62	56.00	46.00		PASS
6	13.7856	35.98	29.33	60.00	50.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1590	48.74	35.62	65.52	55.52	Neutral	PASS
2	0.1897	43.22	31.00	64.05	54.05		PASS
3	0.4301	26.33	21.66	57.25	47.25		PASS
4	2.0997	37.05	25.52	56.00	46.00		PASS
5	13.9621	34.37	28.00	60.00	50.00		PASS
6	20.7468	29.98	21.43	60.00	50.00		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

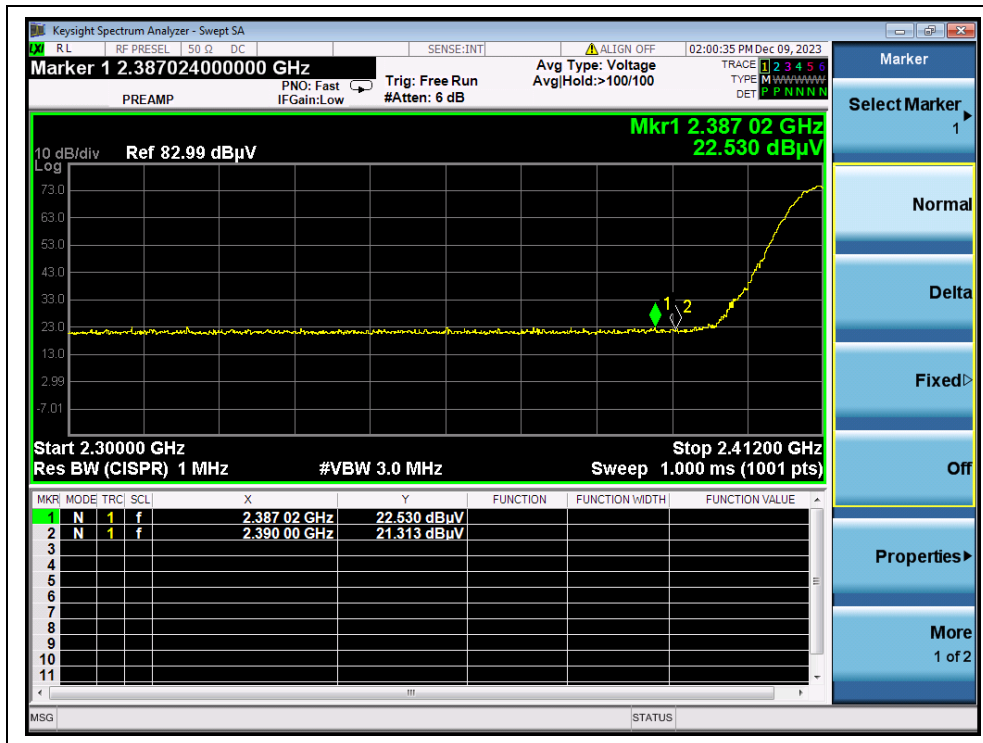
A_{Factor} : Antenna Factor at 3m

Note 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.

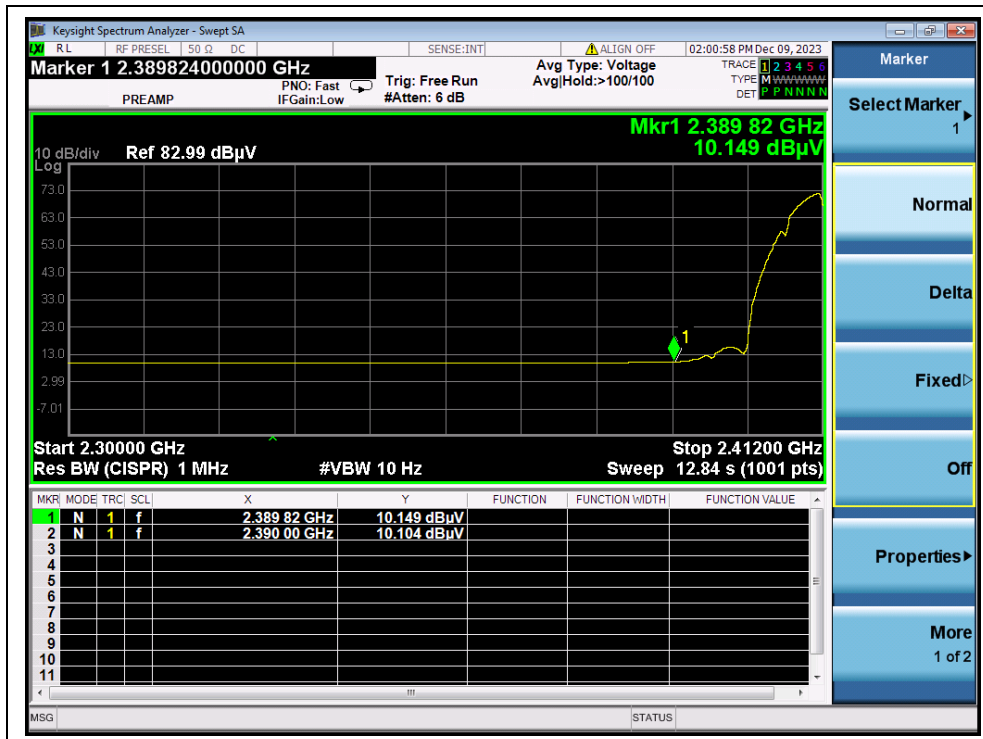
Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11b Mode

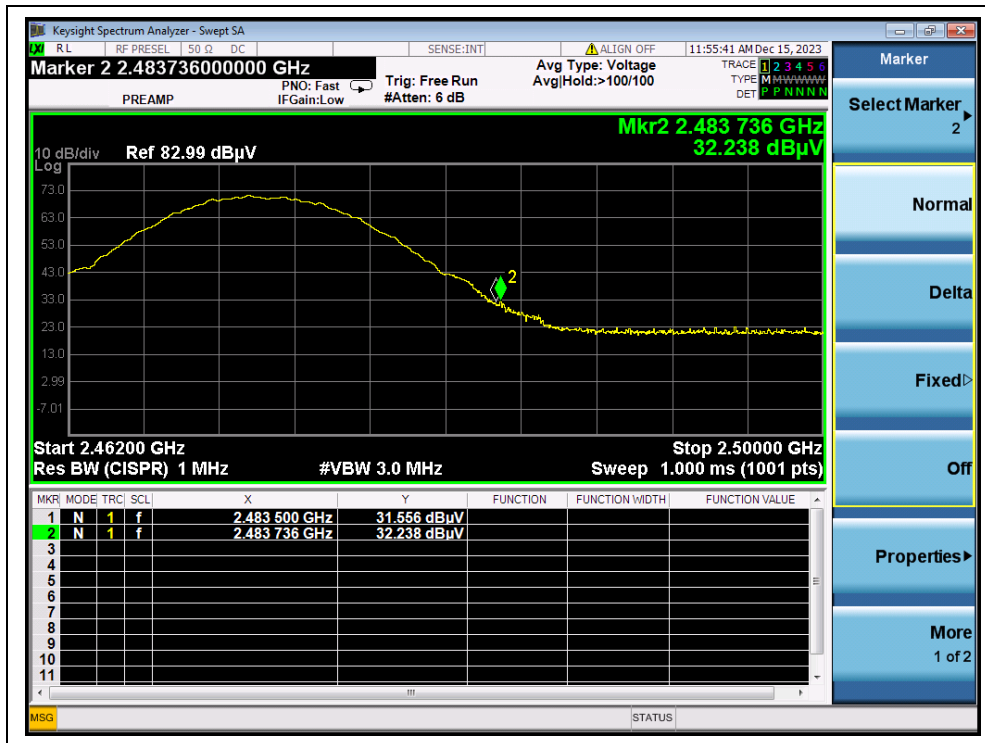
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)					
1	2387.02	PK	22.53	6.74	27.20	56.47	74	PASS
1	2389.82	AV	10.15	6.74	27.20	44.09	54	PASS
13	2483.74	PK	32.24	6.74	27.20	66.18	74	PASS
13	2485.52	AV	14.03	6.74	27.20	47.97	54	PASS



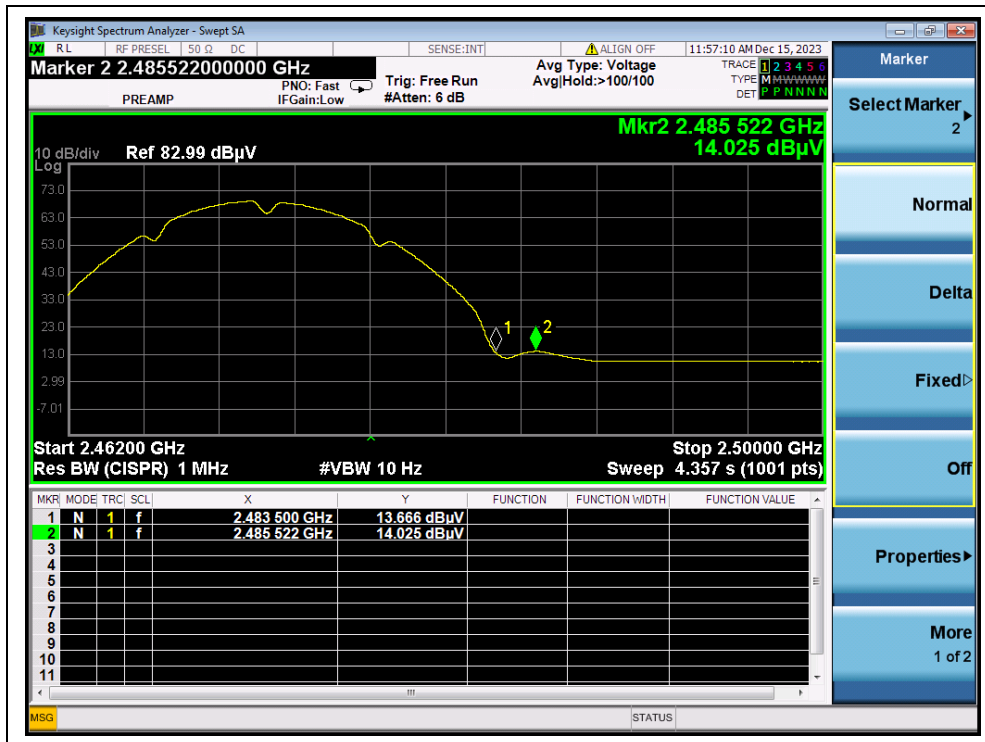
(PEAK, Channel 1, 802.11b)



(AVERAGE, Channel 1, 802.11b)



(PEAK, Channel 13, 802.11b)

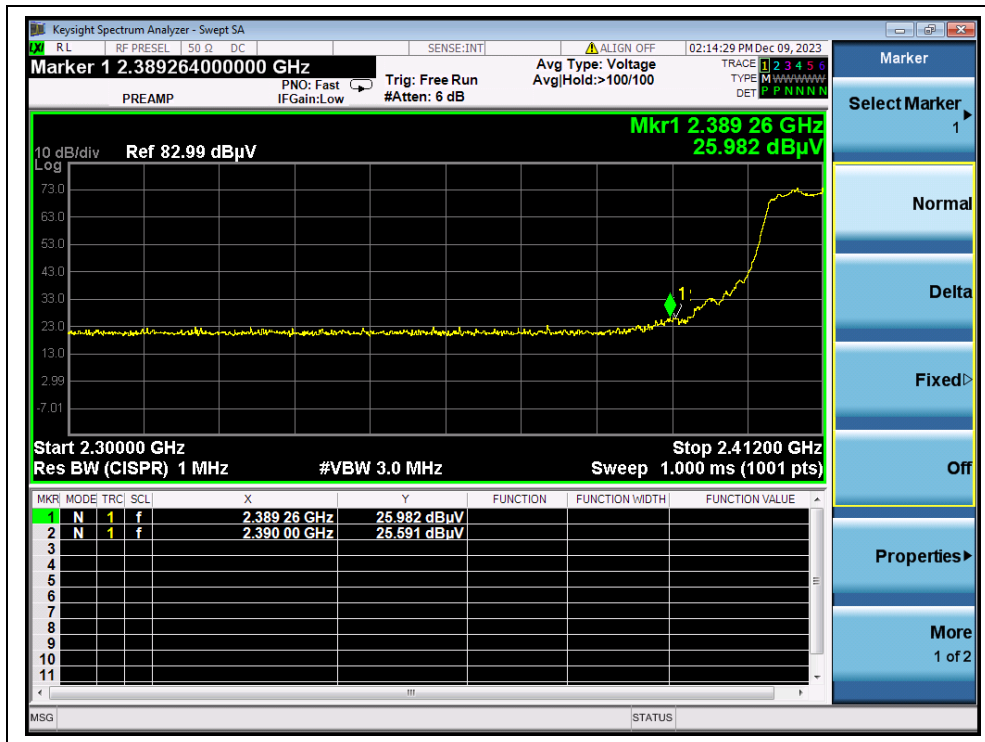


(AVERAGE, Channel 13, 802.11b)

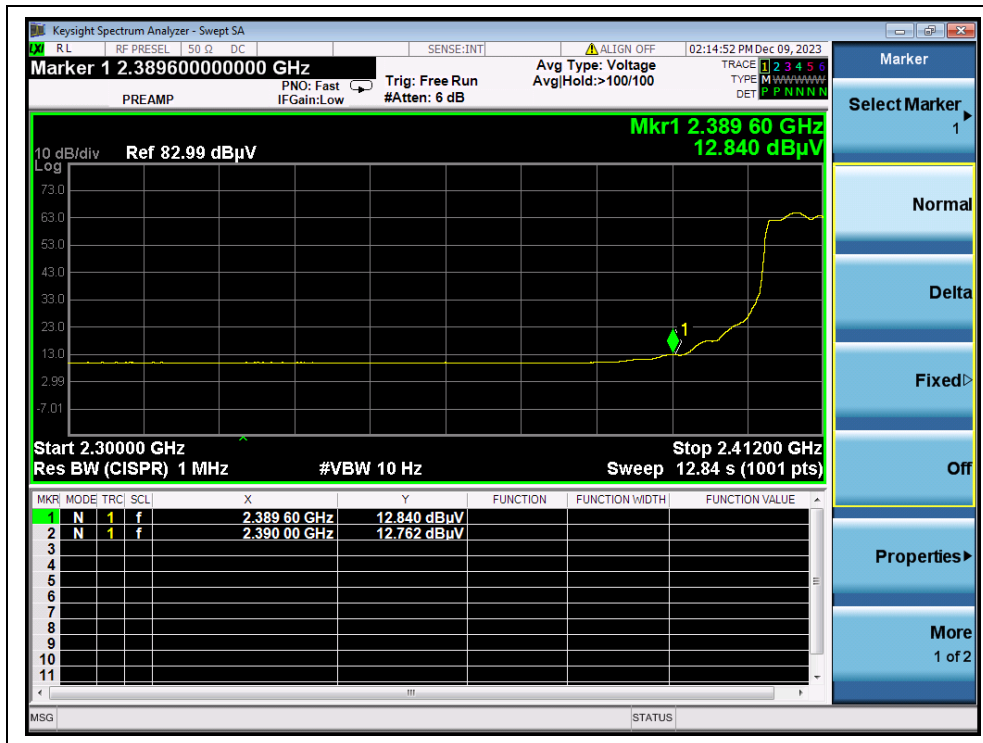


802.11g Mode

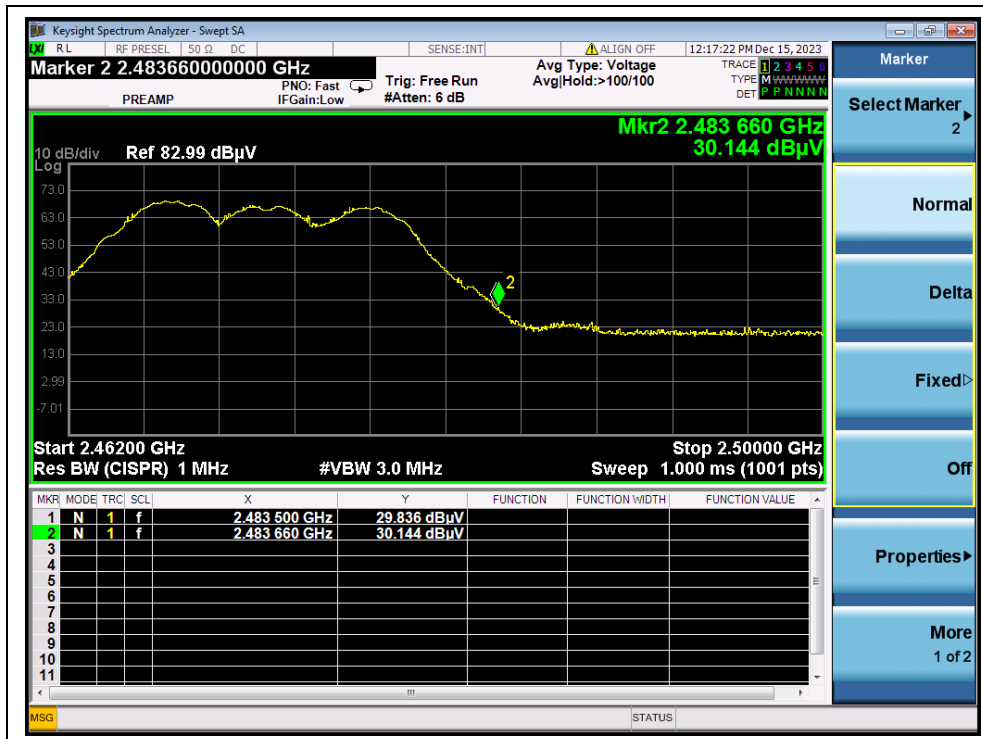
Channel	Frequency (MHz)	Detector	Receiver Reading	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV	U _R (dBμV)					
1	2389.26	PK	25.98	6.74	27.20	59.92	74	PASS
1	2389.60	AV	12.84	6.74	27.20	46.78	54	PASS
13	2483.60	PK	30.14	6.74	27.20	64.08	74	PASS
13	2483.50	AV	16.52	6.74	27.20	50.46	54	PASS



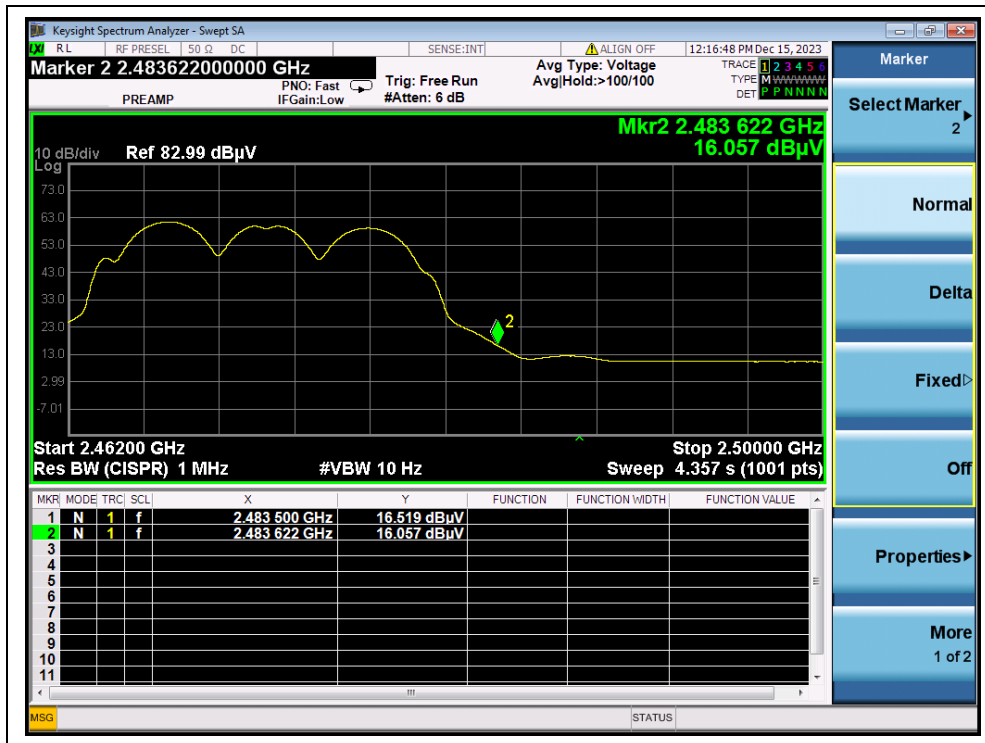
(PEAK, Channel 1, 802.11g)



(AVERAGE, Channel 1, 802.11g)



(PEAK, Channel 13, 802.11g)

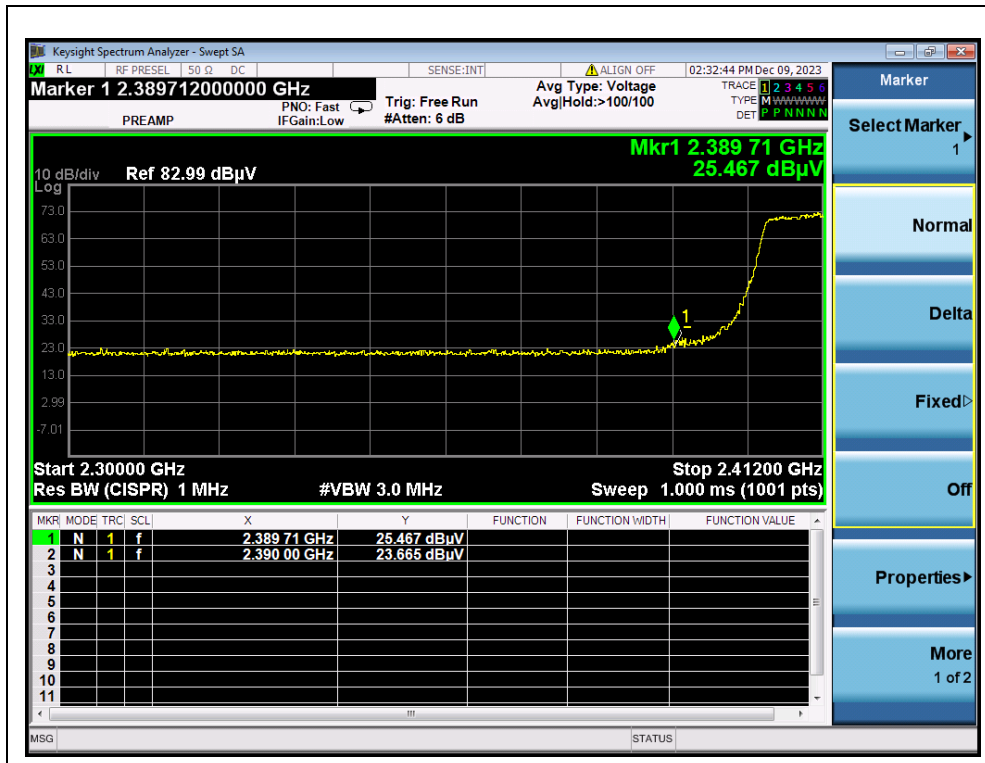


(AVERAGE, Channel 13, 802.11g)

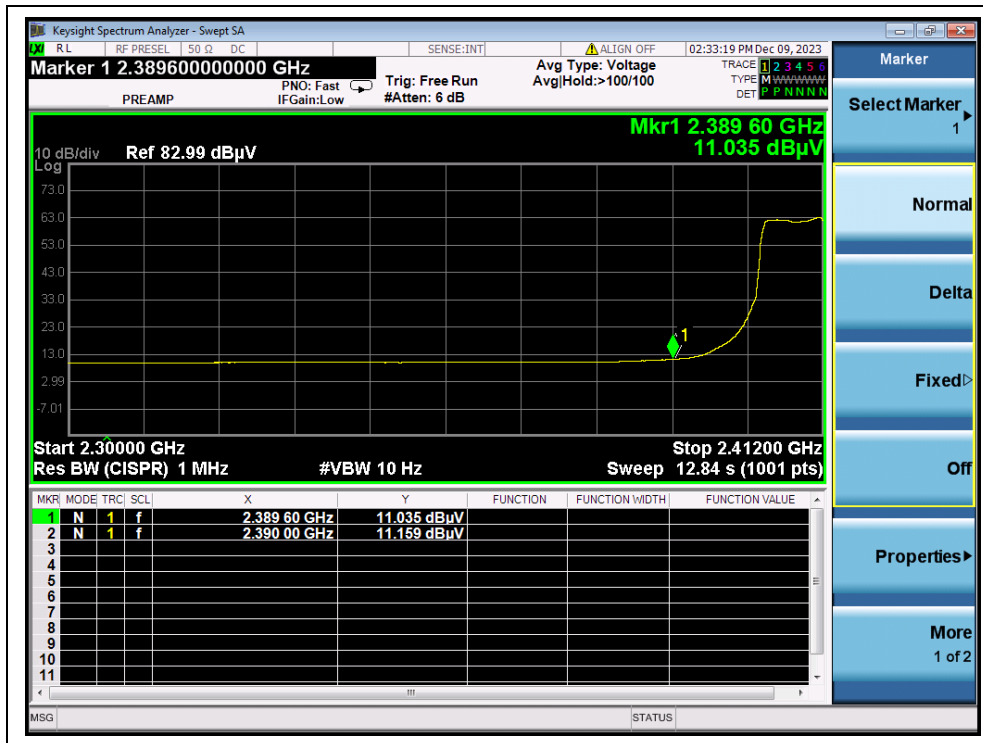


802.11n (HT20) Mode

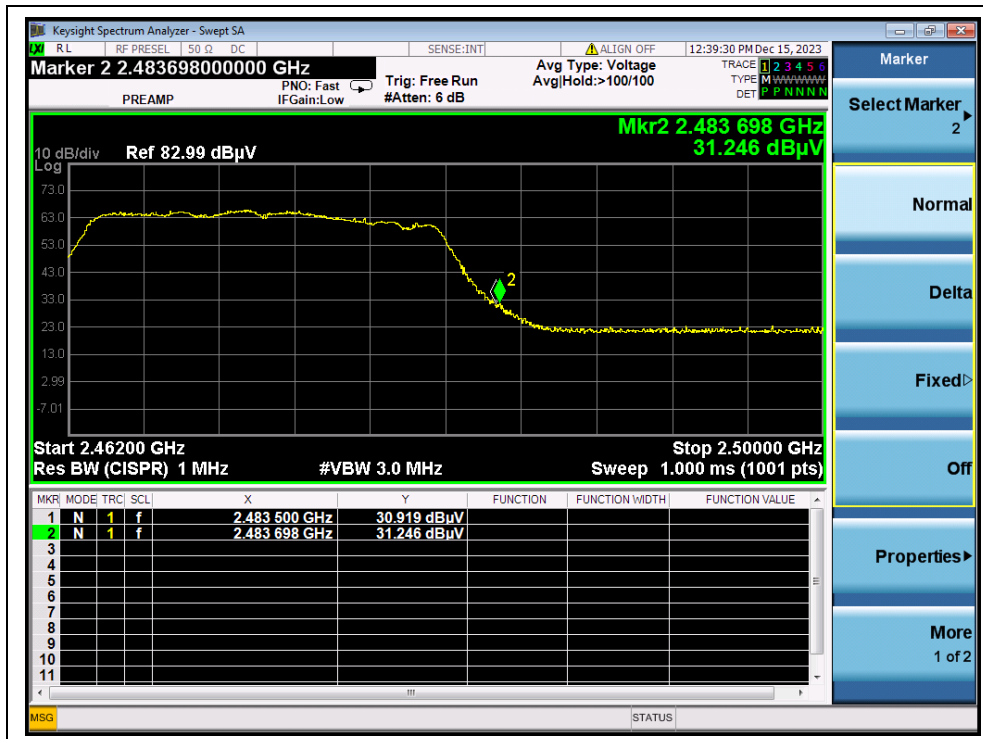
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
1	2389.71	PK	25.47	6.74	27.20	59.41	74	PASS
1	2390.00	AV	11.16	6.74	27.20	45.10	54	PASS
13	2483.70	PK	31.25	6.74	27.20	65.19	74	PASS
13	2483.50	AV	16.67	6.74	27.20	50.61	54	PASS



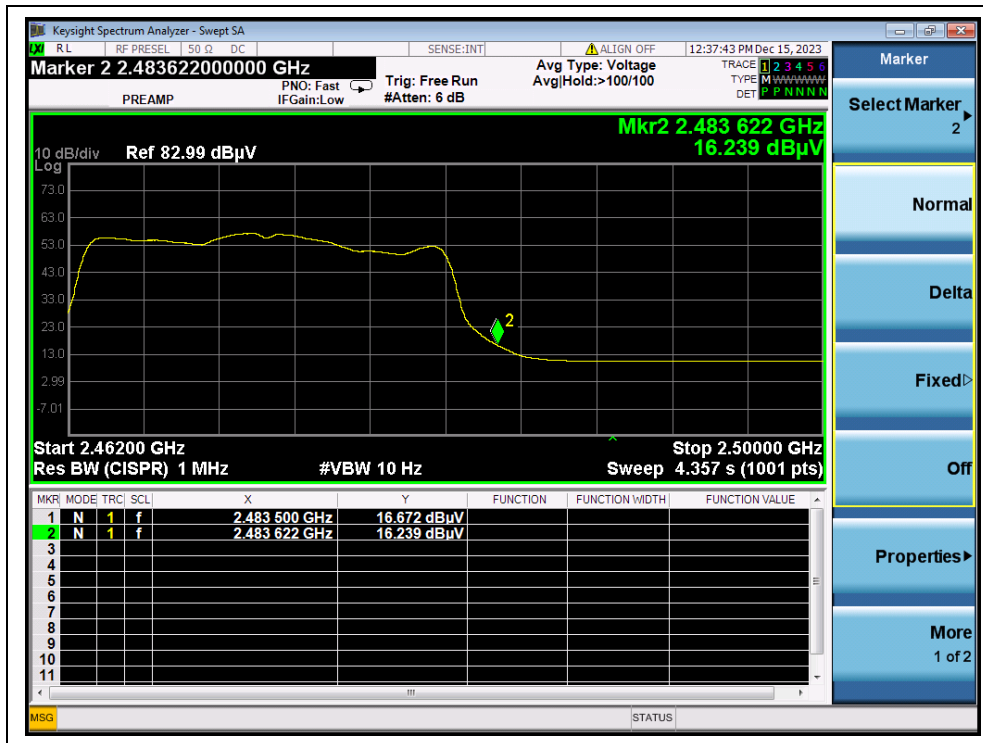
(PEAK, Channel 1, 802.11n (HT20))



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



(PEAK, Channel 13, 802.11n (HT20))

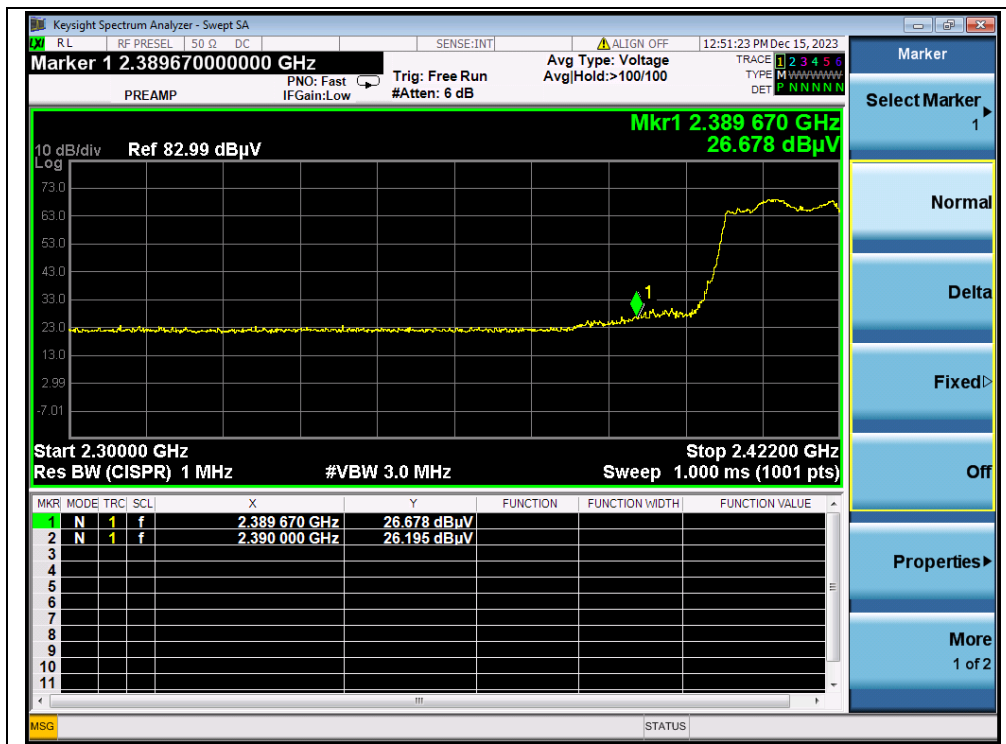


(AVERAGE, Channel 13, 802.11n (HT20))

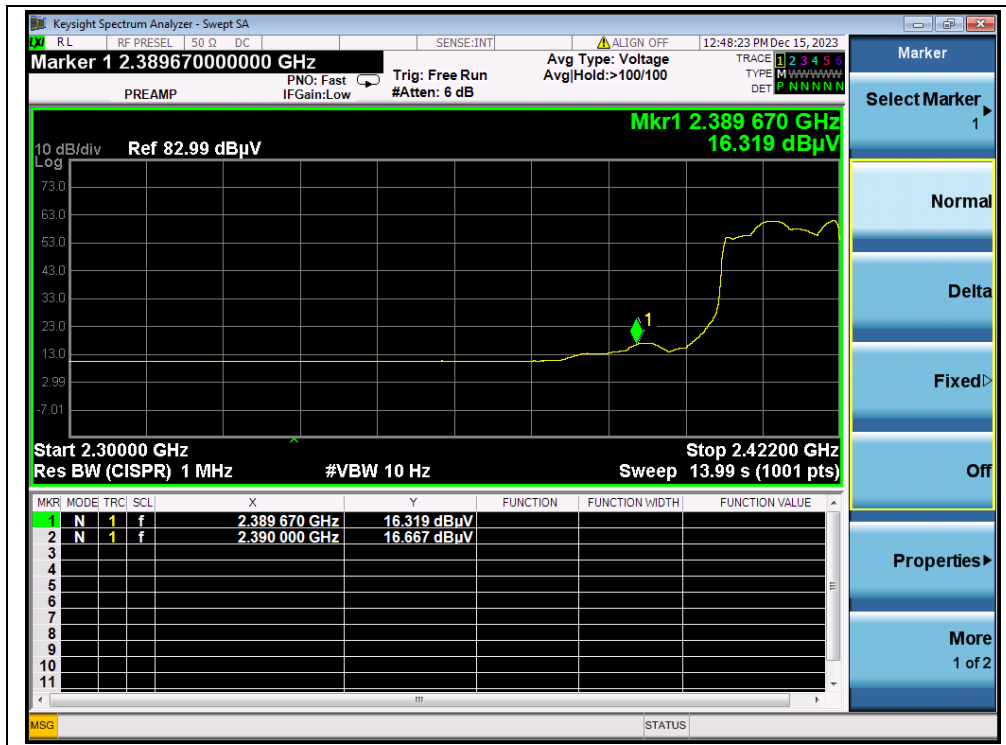


802.11n (HT40) Mode

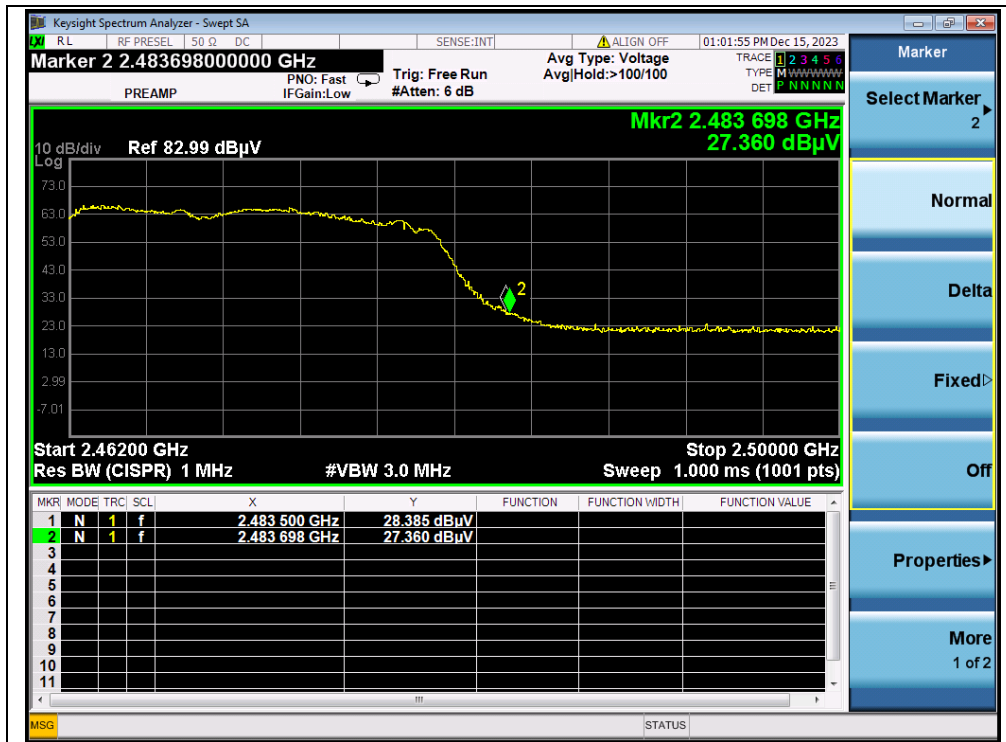
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
3	2389.67	PK	26.68	6.74	27.20	60.62	74	PASS
3	2390.00	AV	16.67	6.74	27.20	50.61	54	PASS
11	2483.50	PK	28.39	6.74	27.20	62.33	74	PASS
11	2483.50	AV	16.64	6.74	27.20	50.58	54	PASS



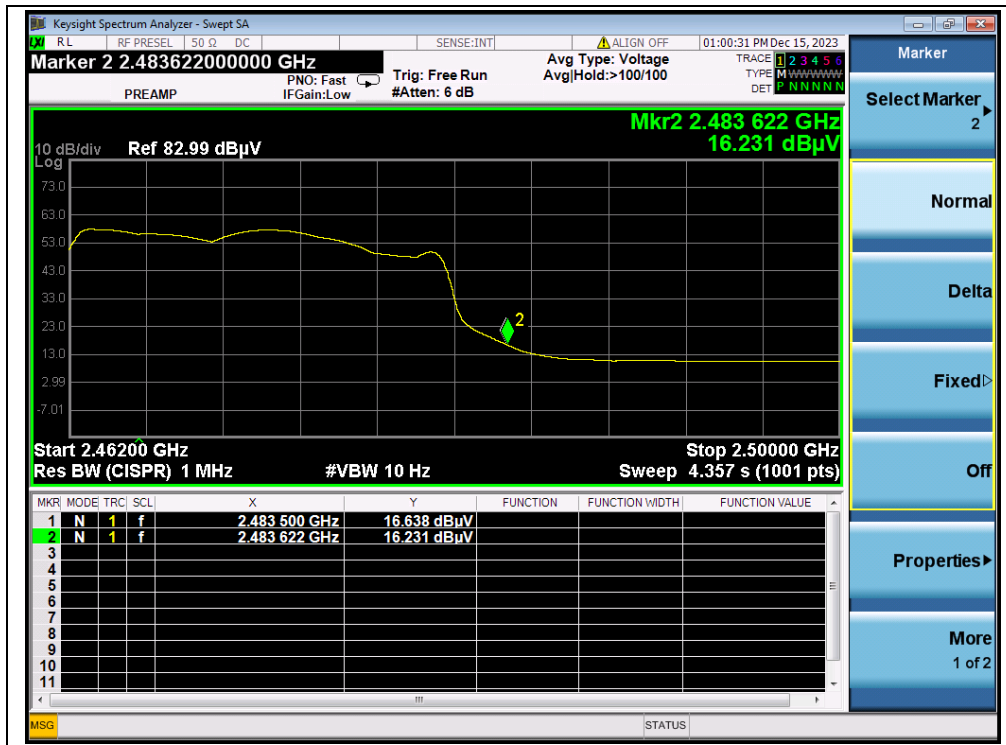
(PEAK, Channel 3, 802.11n (HT40))



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



(PEAK, Channel 11, 802.11n (HT40))

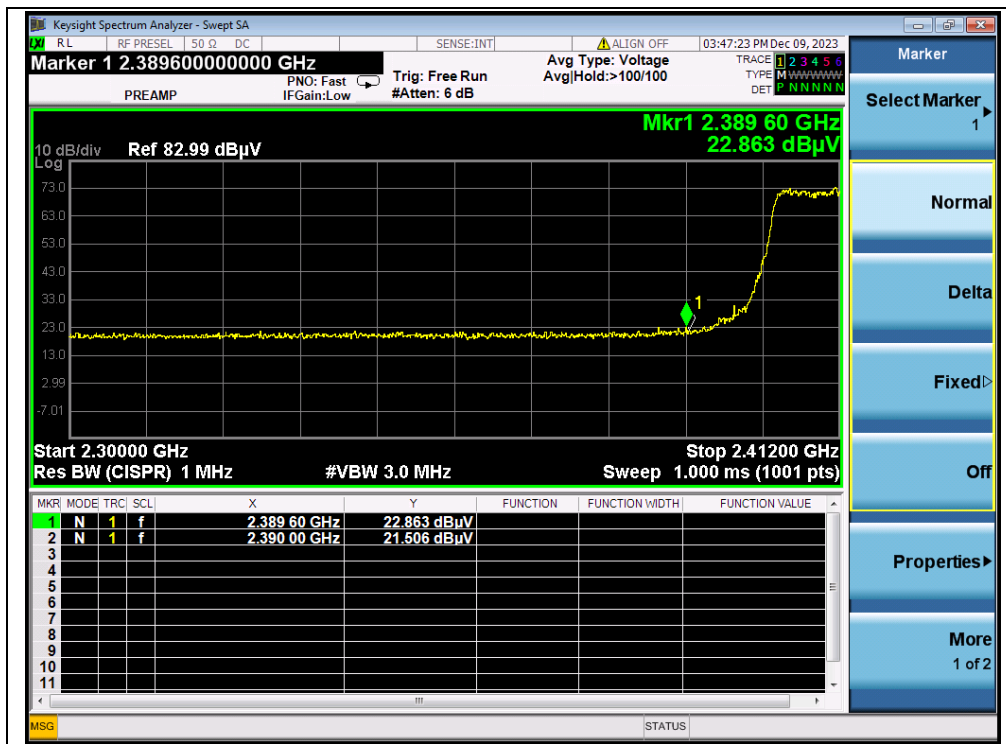


(AVERAGE, Channel 11, 802.11n (HT40))

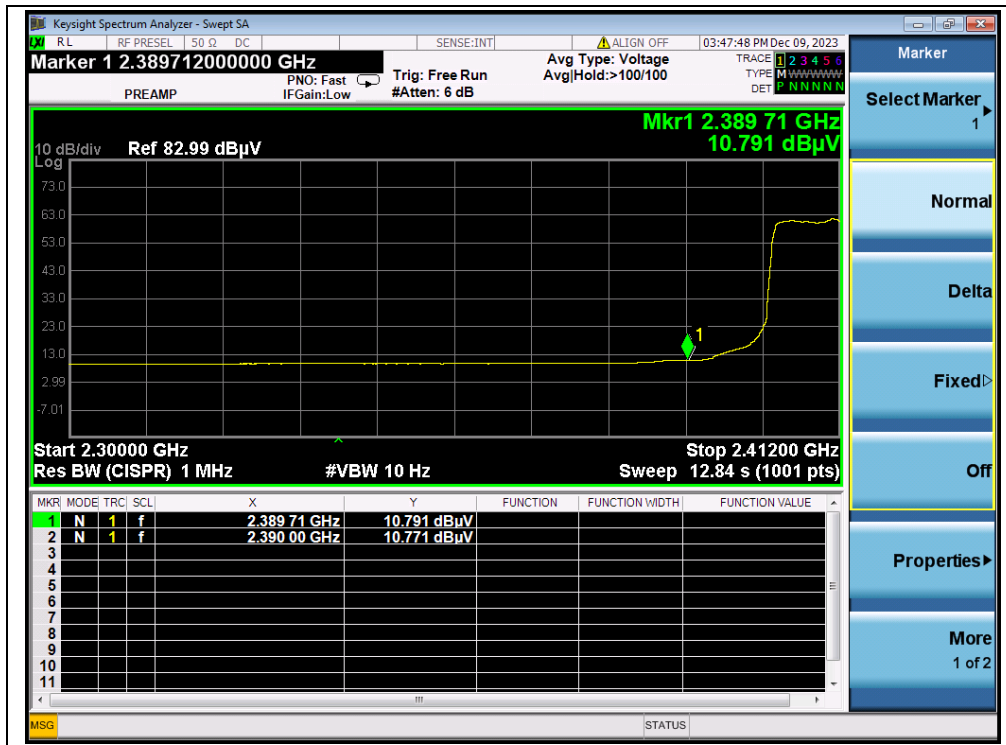


802.11ax (HEW20) Mode

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	2389.60	PK	22.86	6.74	27.20	56.80	74	PASS
1	2389.71	AV	10.79	6.74	27.20	44.73	54	PASS
13	2483.50	PK	35.53	6.74	27.20	69.47	74	PASS
13	2483.50	AV	16.67	6.74	27.20	50.61	54	PASS



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



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

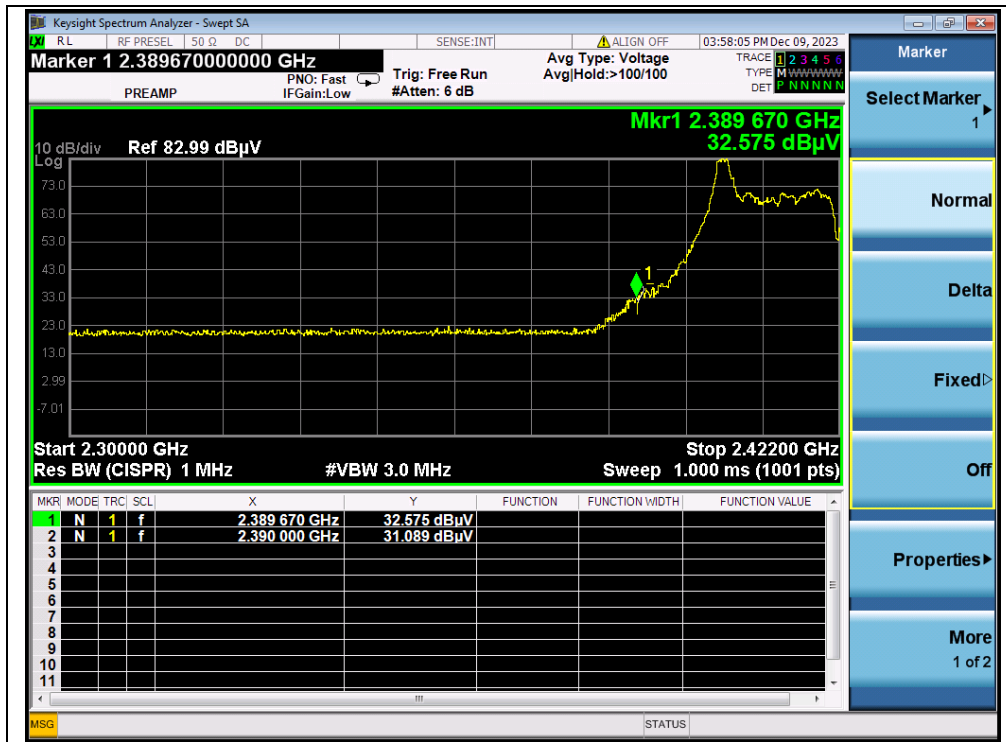


(PEAK, Channel 13, 802.11ax (HEW20))

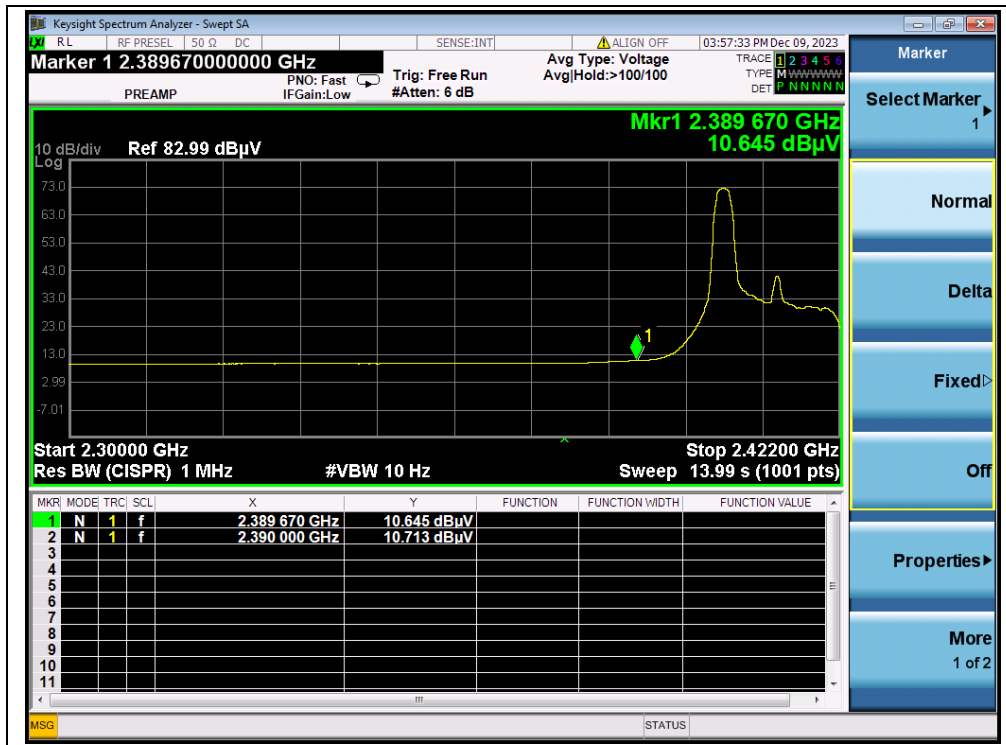


802.11ax (HEW20) RU26 Mode

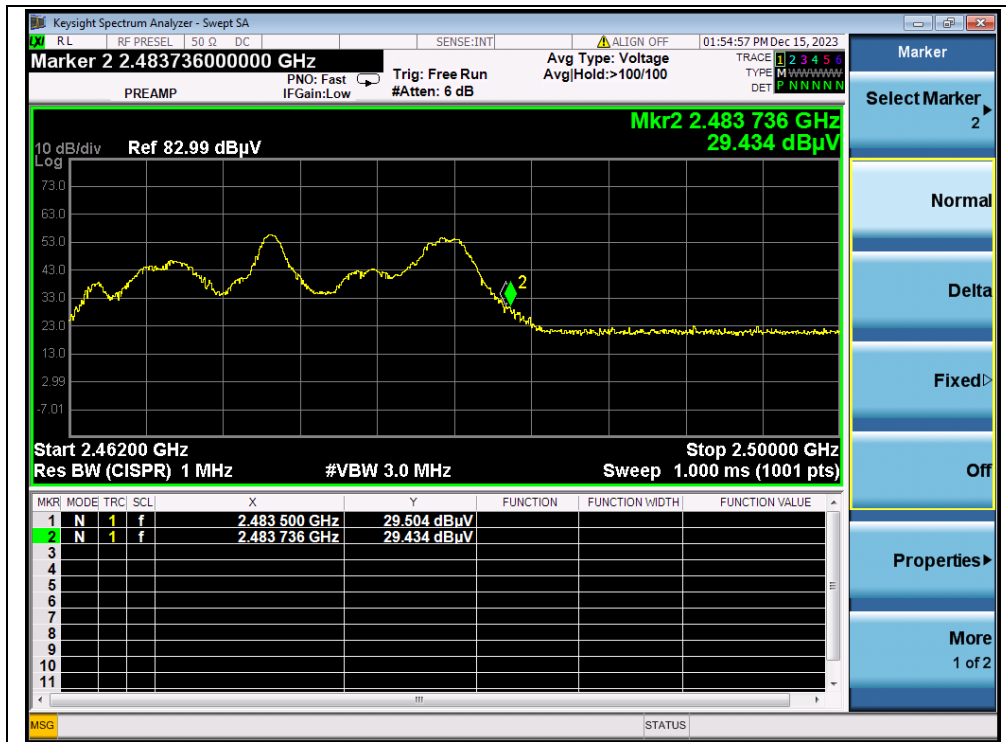
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
1	2389.67	PK	32.58	6.74	27.20	66.52	74	PASS
1	2390.00	AV	10.71	6.74	27.20	44.65	54	PASS
13	2483.50	PK	29.50	6.74	27.20	63.44	74	PASS
13	2483.50	AV	11.36	6.74	27.20	45.30	54	PASS



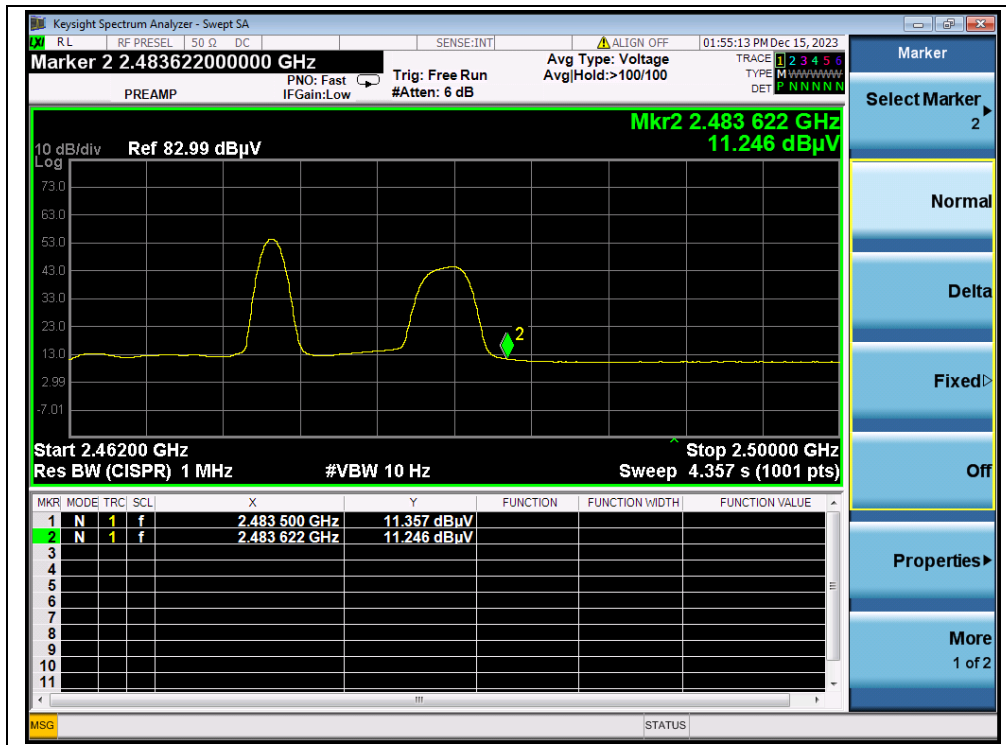
(PEAK, Channel 1, 802.11ax (HEW20) RU26)



(AVERAGE, Channel 1, 802.11ax (HEW20) RU26)



(PEAK, Channel 13, 802.11ax (HEW20) RU26)

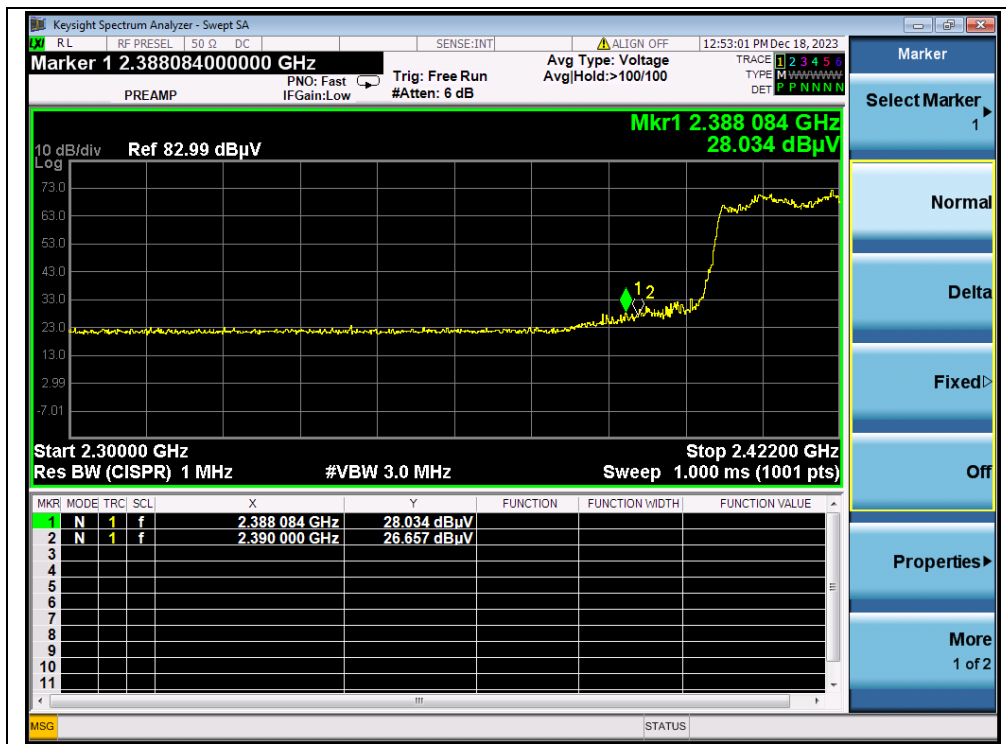


(AVERAGE, Channel 13, 802.11ax (HEW20) RU26)

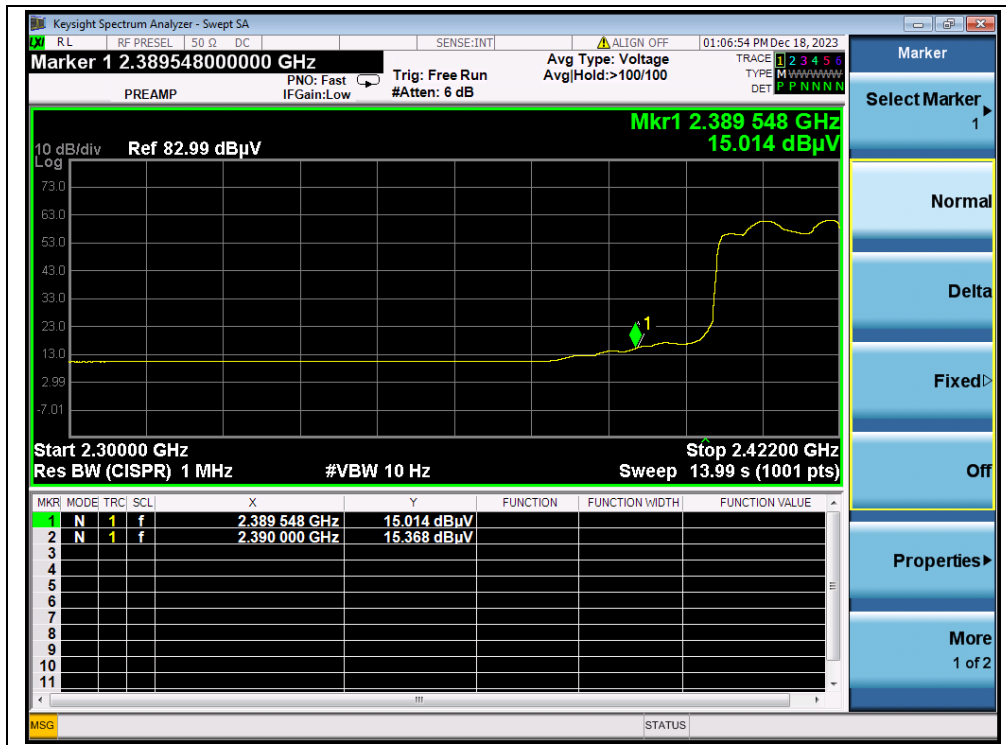


802.11ax (HEW40) Mode

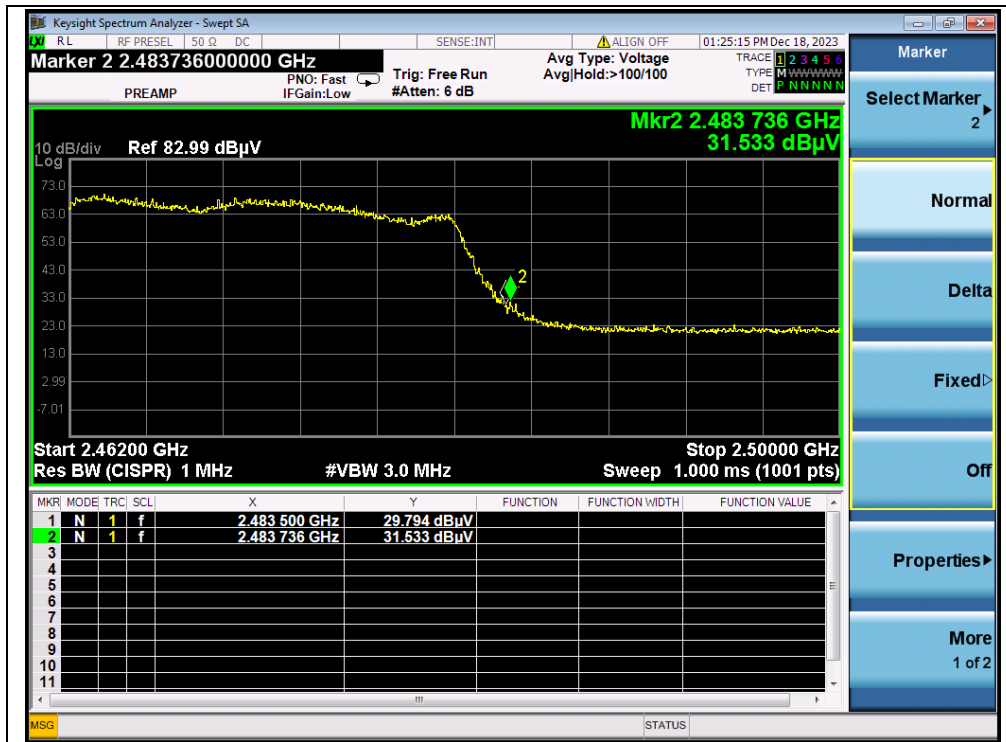
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
3	2388.08	PK	28.03	6.74	27.20	61.97	74	PASS
3	2390.00	AV	15.37	6.74	27.20	49.31	54	PASS
11	2483.74	PK	31.63	6.74	27.20	65.57	74	PASS
11	2483.50	AV	16.40	6.74	27.20	50.34	54	PASS



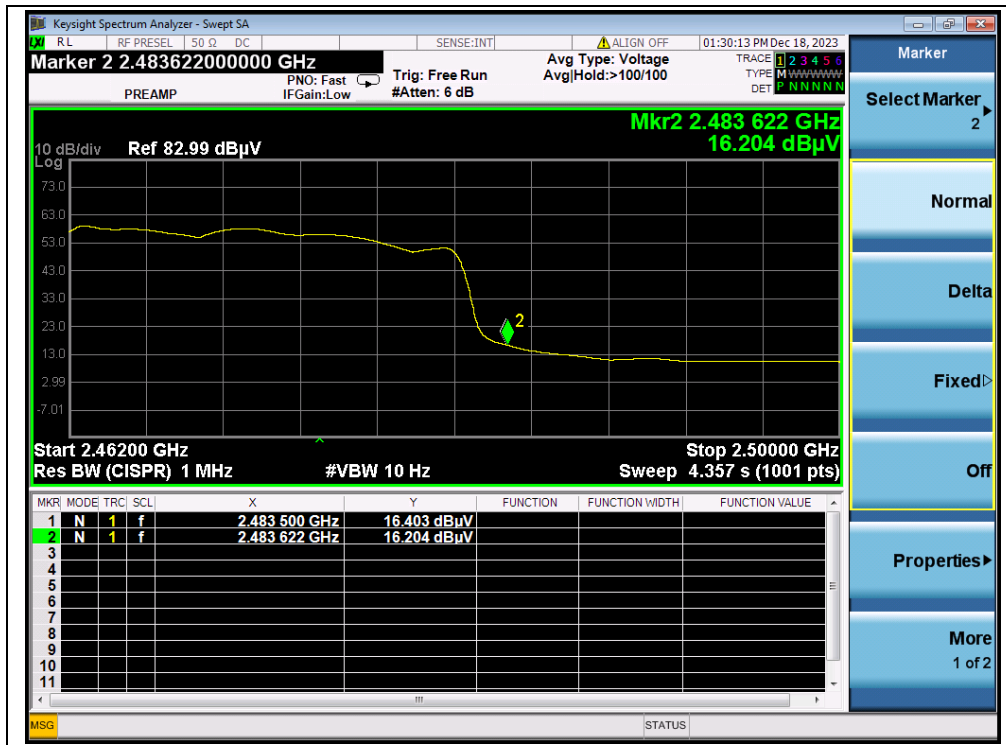
(PEAK, Channel 3, 802.11ax (HEW40))



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



(PEAK, Channel 11, 802.11ax (HEW40))



(AVERAGE, Channel 11, 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:

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

A_T: Total correction Factor except Antenna

U_R: Receiver Reading

G_{preamp}: Preamplifier Gain

A_{Factor}: Antenna Factor at 3m

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

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

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

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

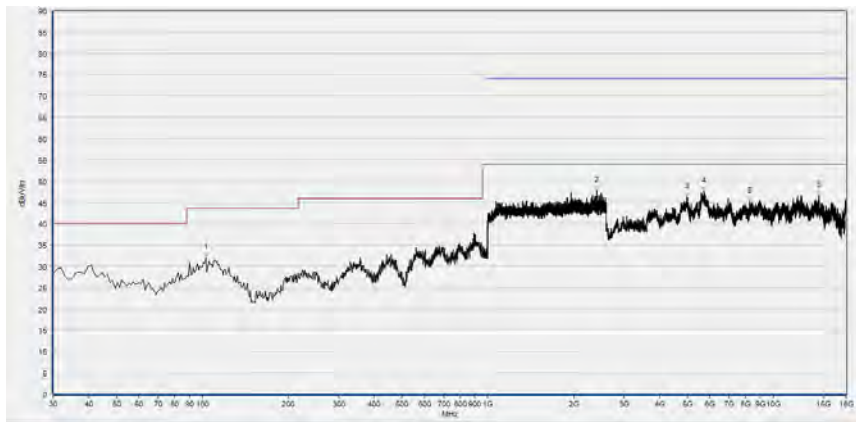
Field strength of fundamental:

Frequency (MHz)	Reading_Peak (dBμV/m)	Antenna Factor (dB)	Path Loss (dB)	Final_Peak (dBμV/m)	Antenna Polarity
2422.00	72.00	27.20	6.74	105.94	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).

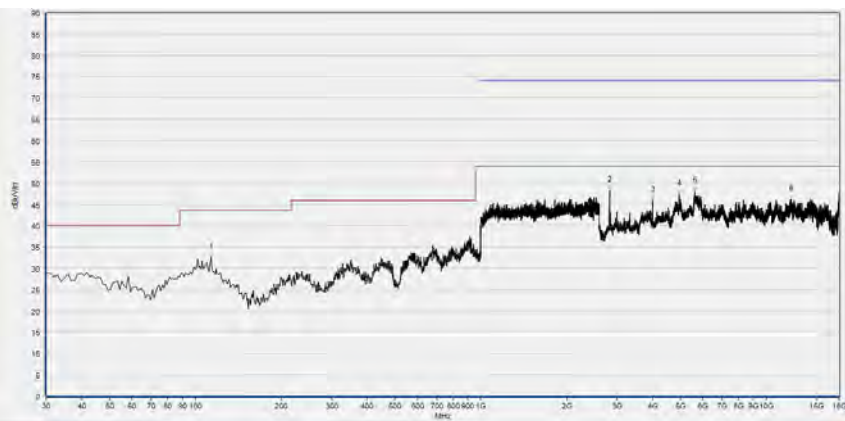
802.11b Mode

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
102.750	32.01	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2409.600	47.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4987.000	46.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5720.040	47.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8251.800	45.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14424.120	46.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

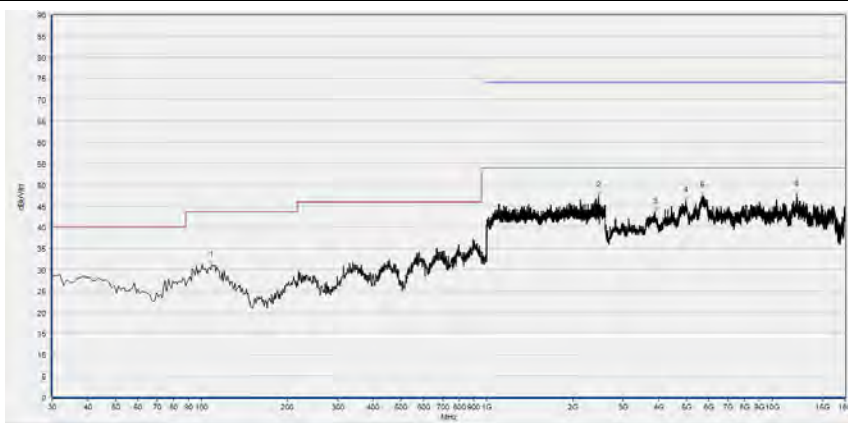
(Antenna Horizontal, 30MHz to 18GHz)



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
113.420	32.59	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2824.840	48.33	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3995.240	45.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4959.280	47.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5609.160	48.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12200.360	46.33	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

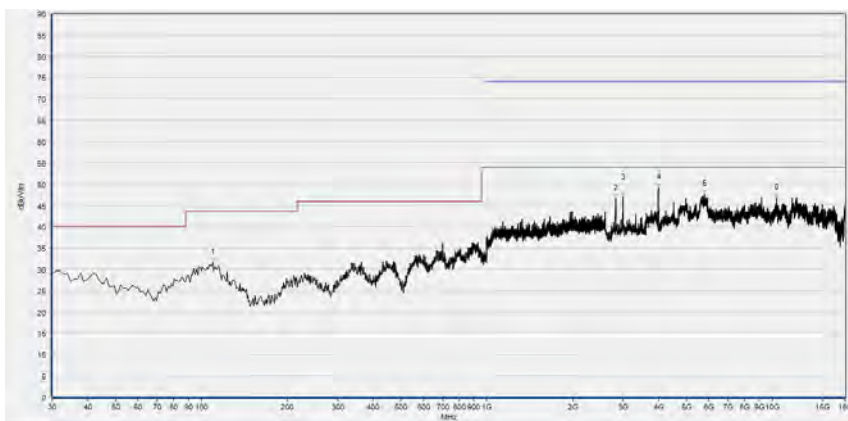
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7



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	31.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2462.933	47.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3887.440	43.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4993.160	46.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5683.080	47.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12197.280	47.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

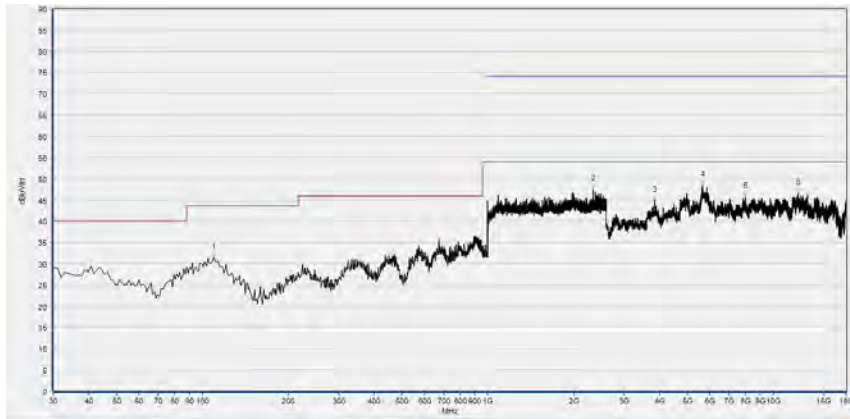
(Antenna Horizontal, 30MHz to 18GHz)



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	31.56	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2824.840	46.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3000.400	47.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3989.080	49.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5790.880	47.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10352.360	46.81	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

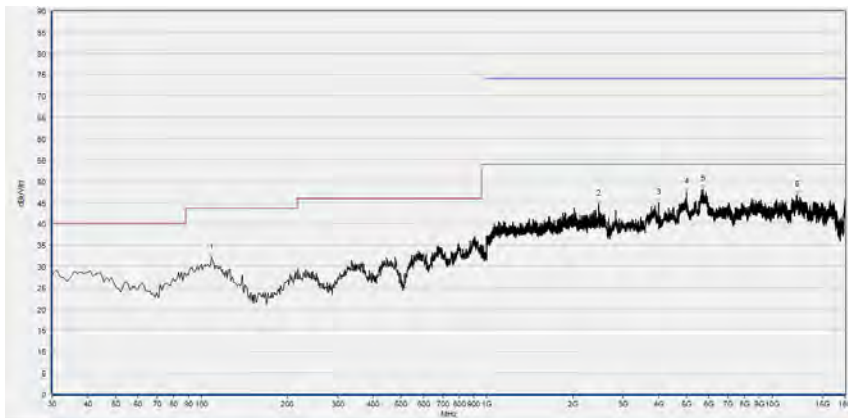
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 13



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	31.27	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2340.800	47.49	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3850.480	44.97	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5667.680	48.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8002.320	45.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12200.360	46.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

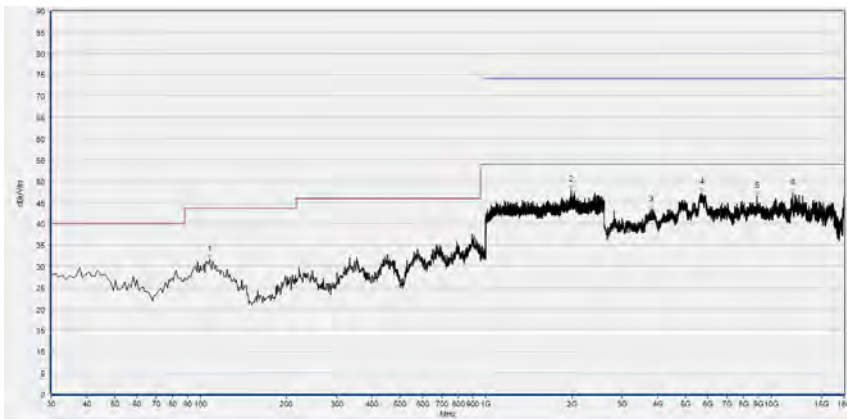


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	31.94	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2469.333	44.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4001.400	44.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4999.320	47.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5723.120	48.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12212.680	46.81	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

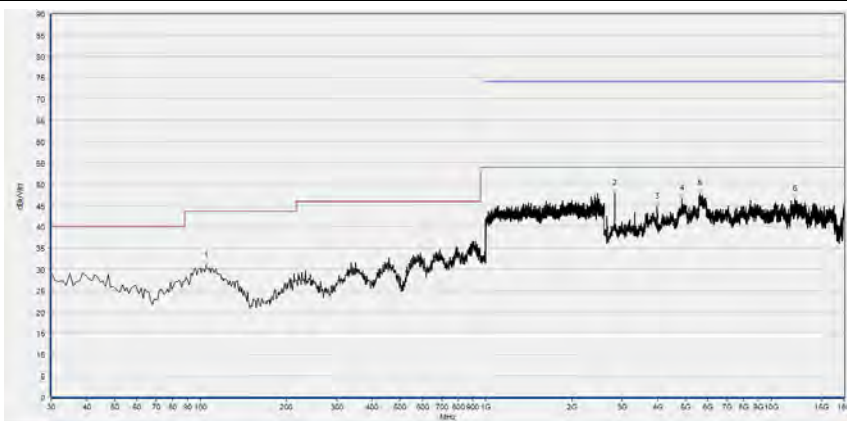


802.11g Mode
Plot for Channel 1



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
107.600	31.43	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1992.533	47.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3804.280	43.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5704.640	47.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8889.360	46.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11883.120	47.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

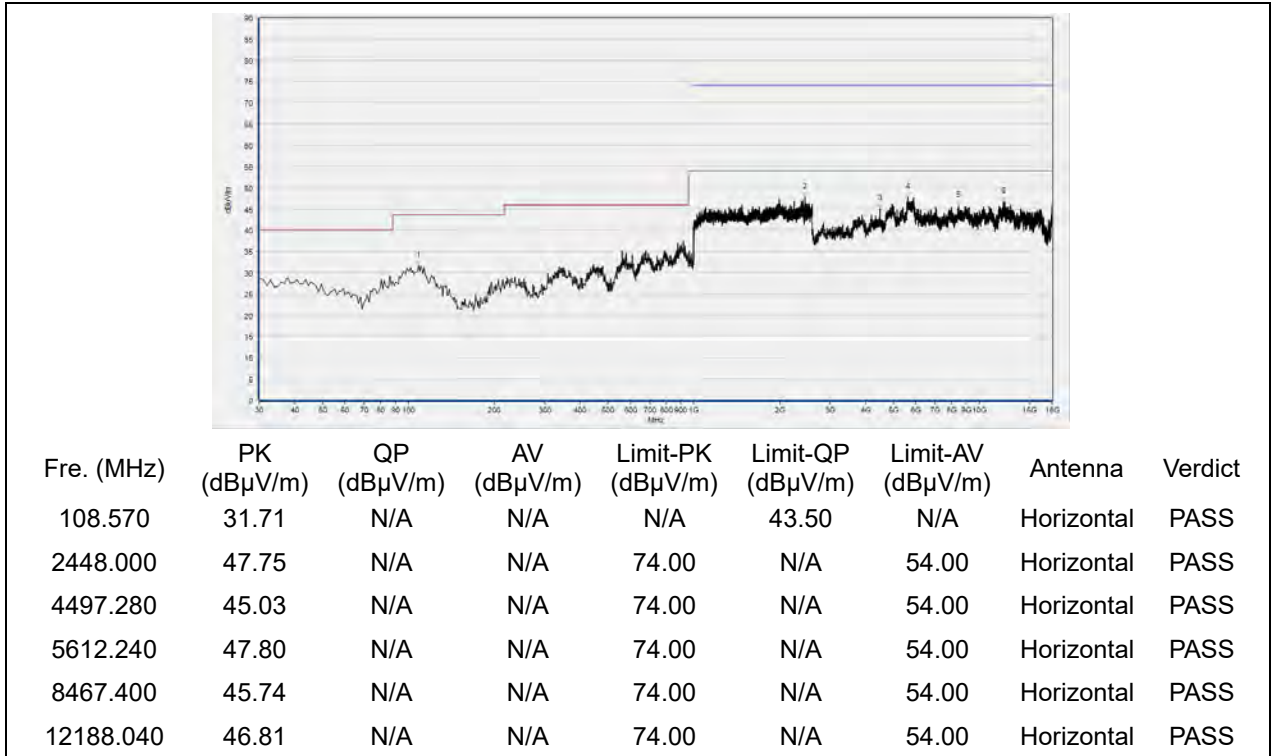
(Antenna Horizontal, 30MHz to 18GHz)



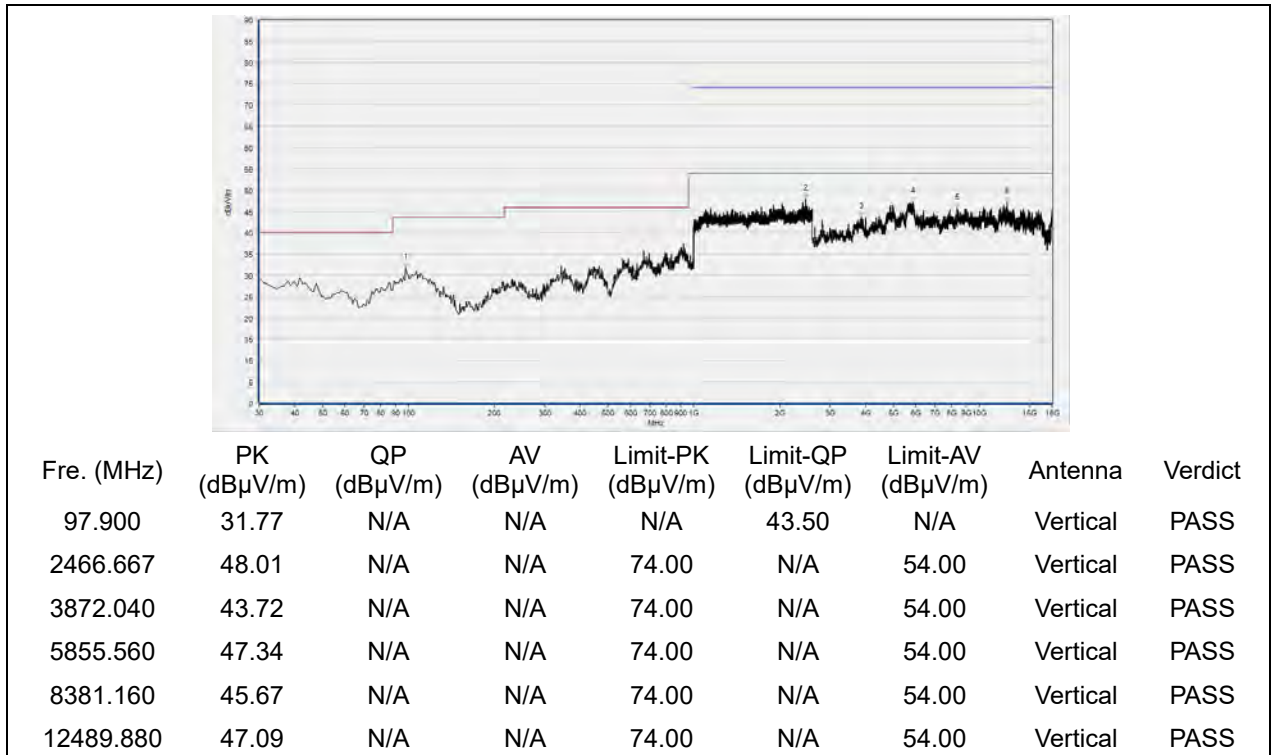
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	30.89	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2827.920	47.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3986.000	44.65	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4876.120	46.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5606.080	47.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12126.440	46.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7

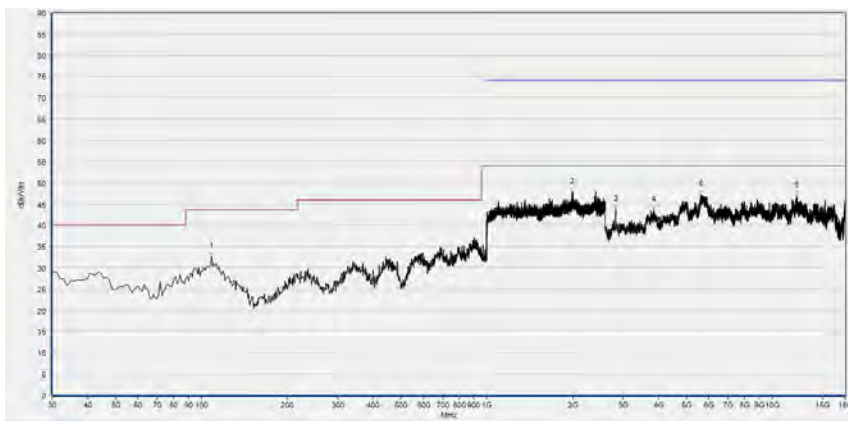


(Antenna Horizontal, 30MHz to 18GHz)



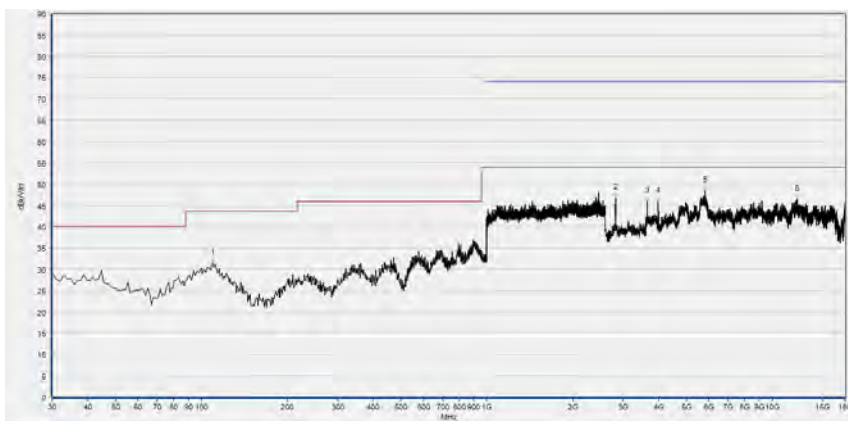
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 13



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	32.49	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1995.733	47.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2824.840	43.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3835.080	43.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5615.320	47.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12138.760	46.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

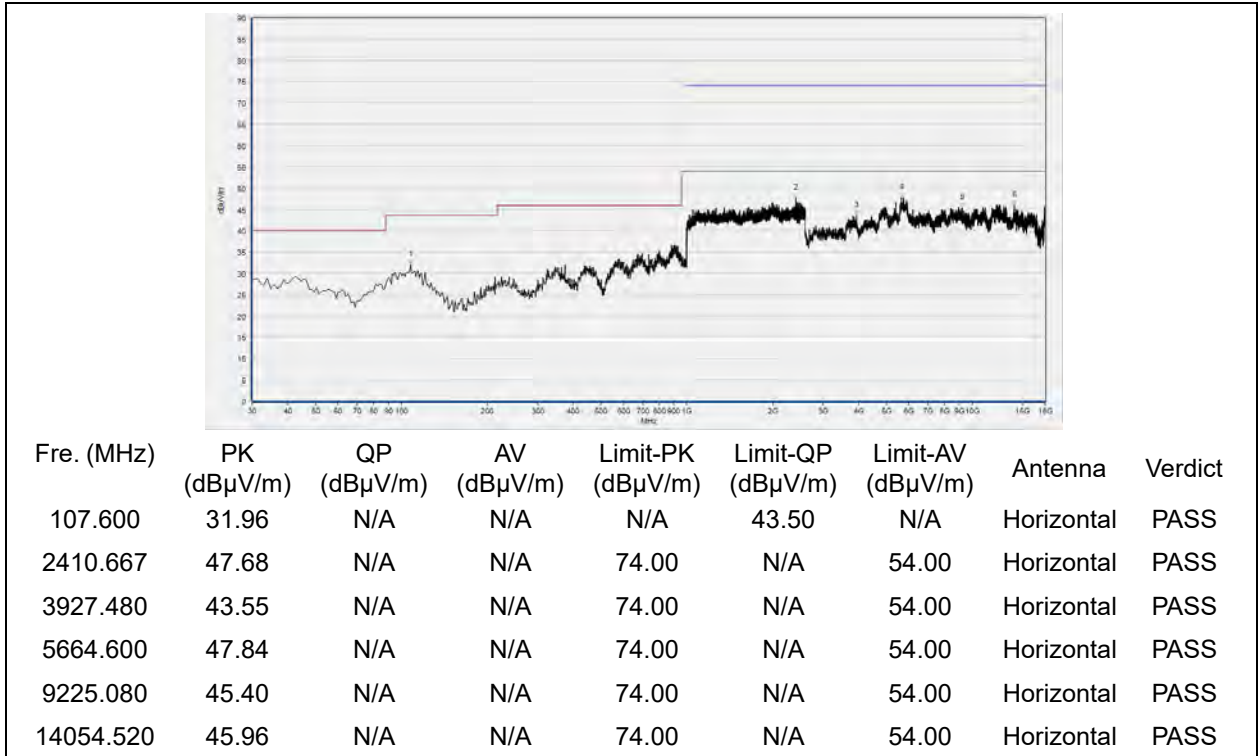


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
109.540	31.35	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2827.920	46.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3650.280	45.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3986.000	45.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5809.360	48.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12215.760	46.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

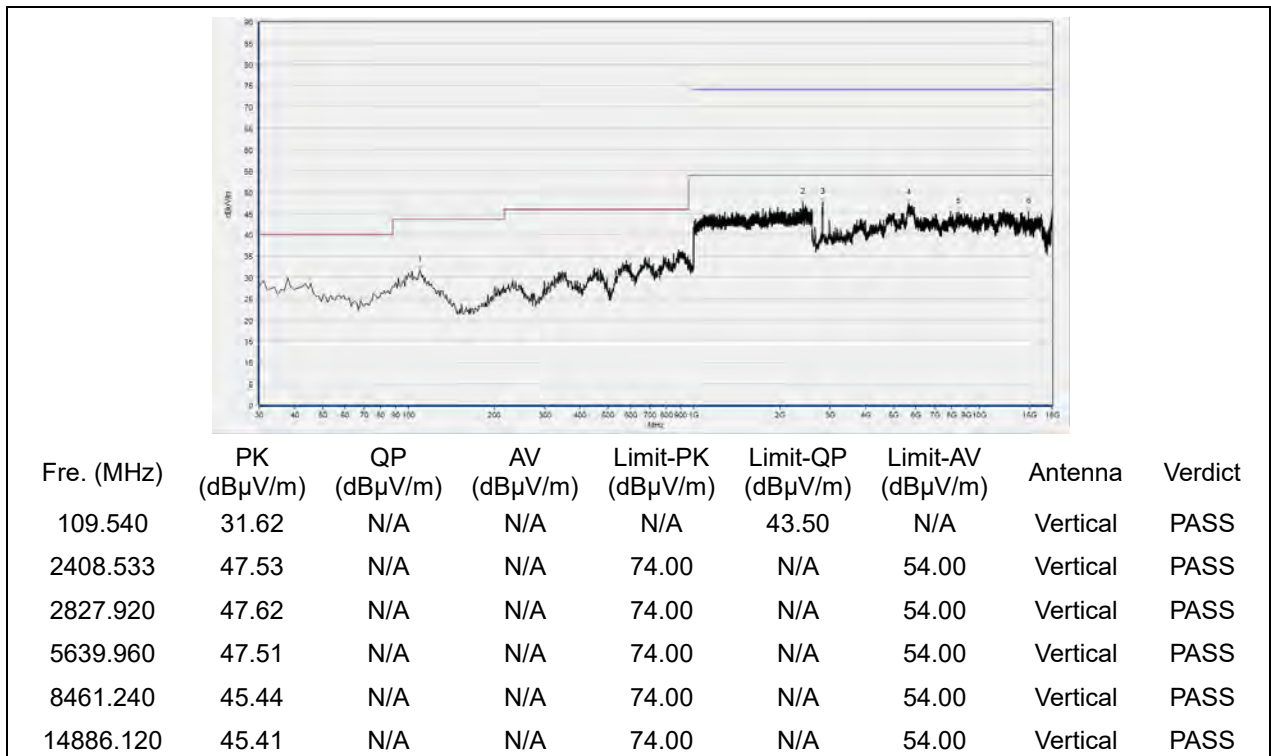
(Antenna Vertical, 30MHz to 18GHz)

802.11n (HT20) Mode

Plot for Channel 1

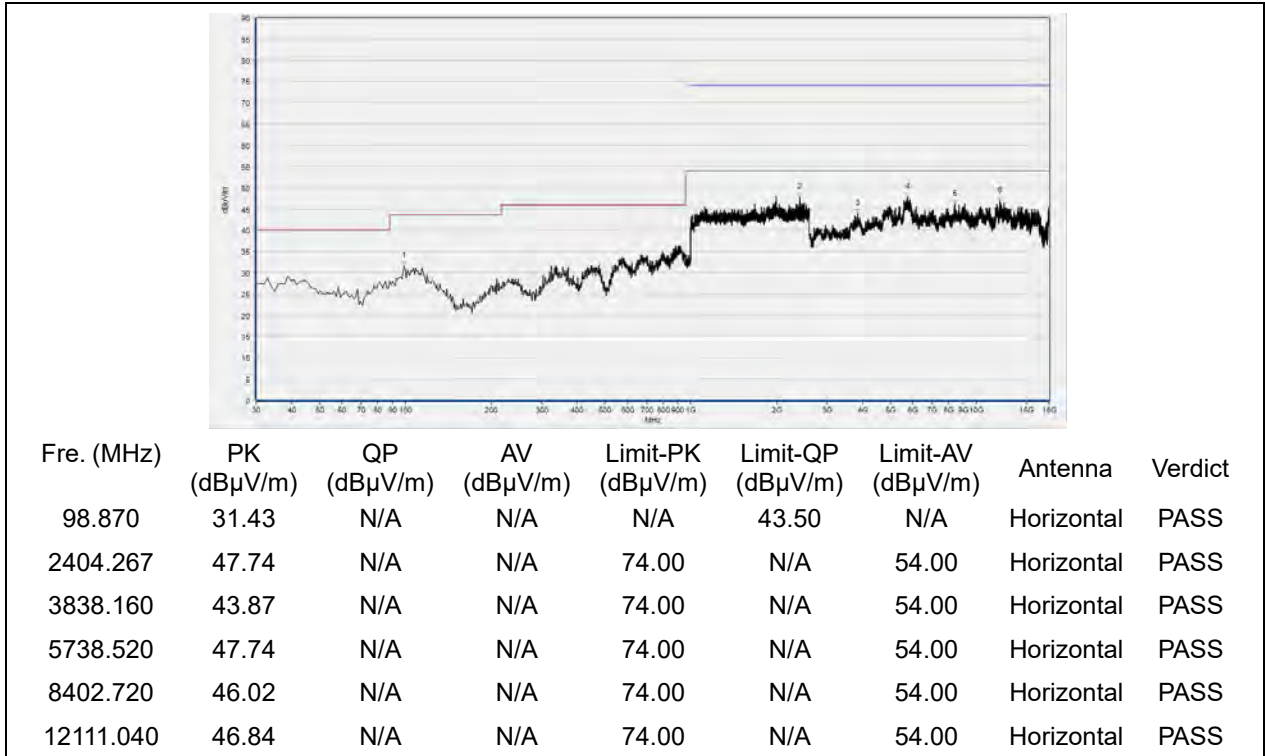


(Antenna Horizontal, 30MHz to 18GHz)

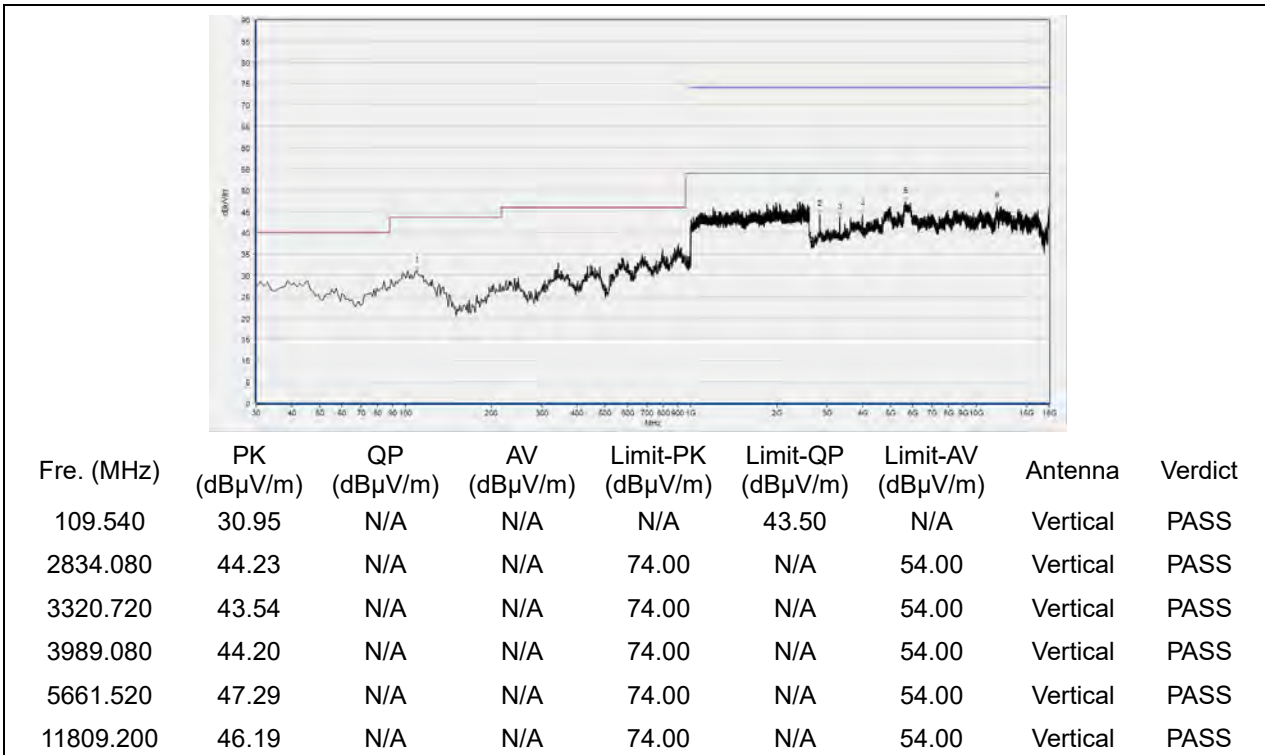


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7

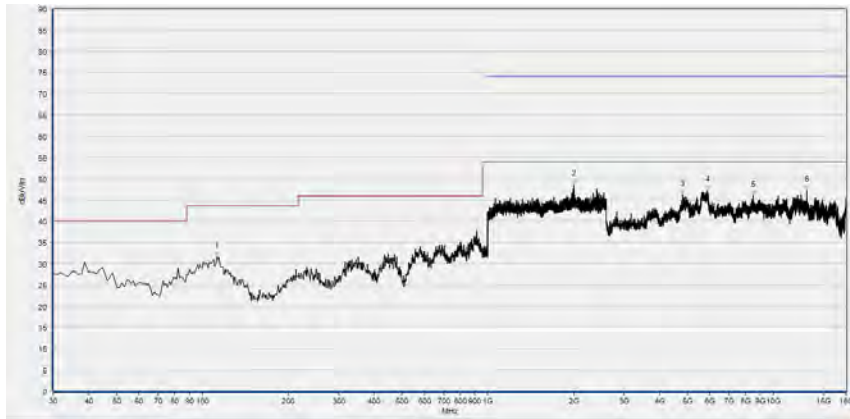


(Antenna Horizontal, 30MHz to 18GHz)



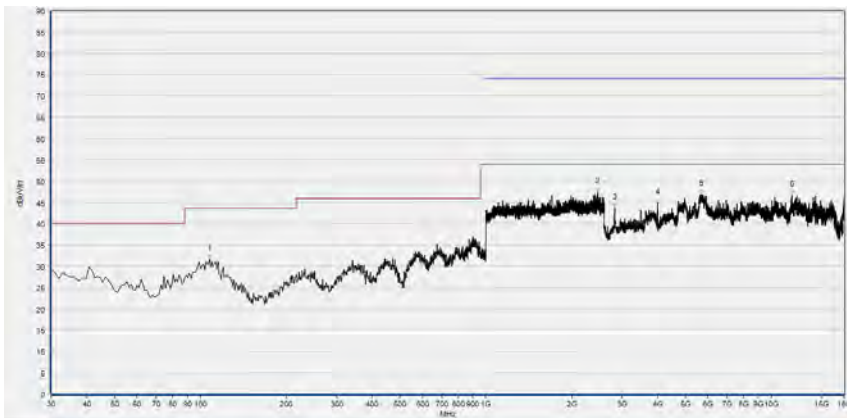
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 13



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	31.73	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1997.867	48.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4820.680	46.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5867.880	47.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8504.360	46.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13102.800	47.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

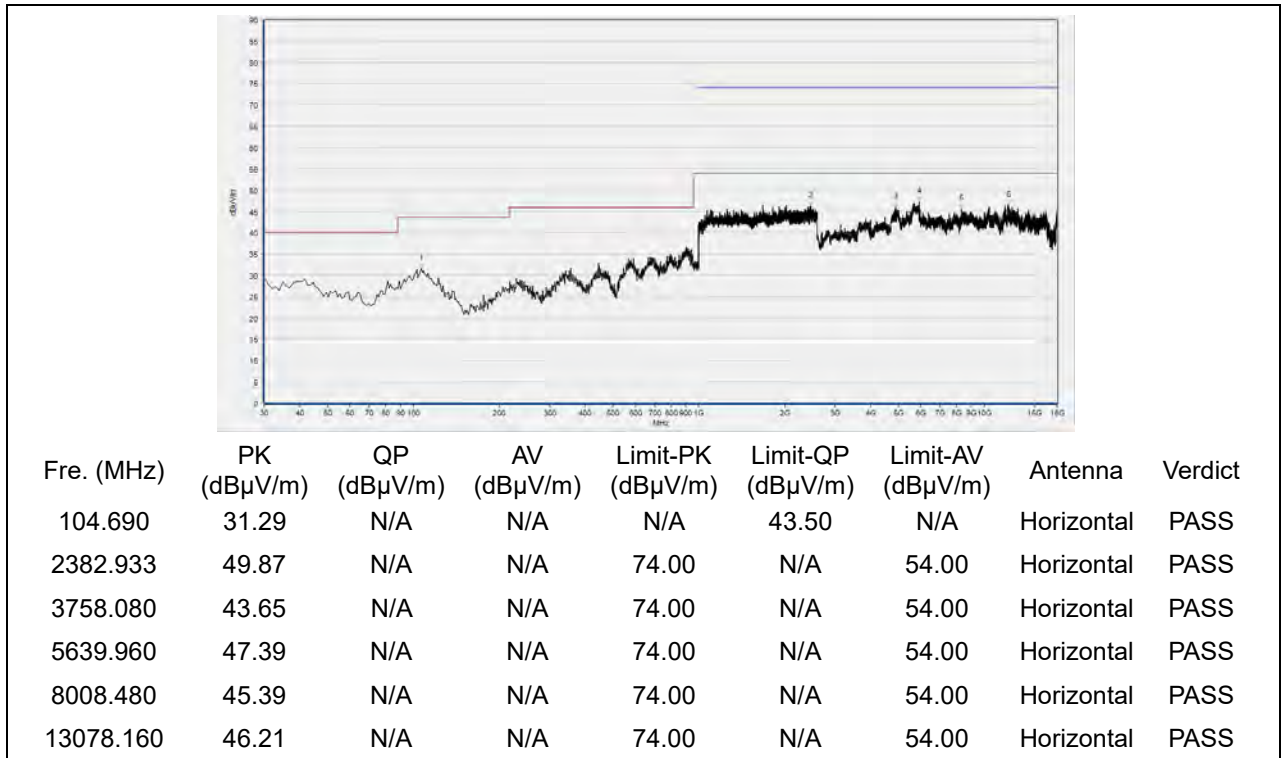


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	31.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2463.467	47.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2827.920	43.81	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3989.080	44.90	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5680.000	47.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11806.120	46.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

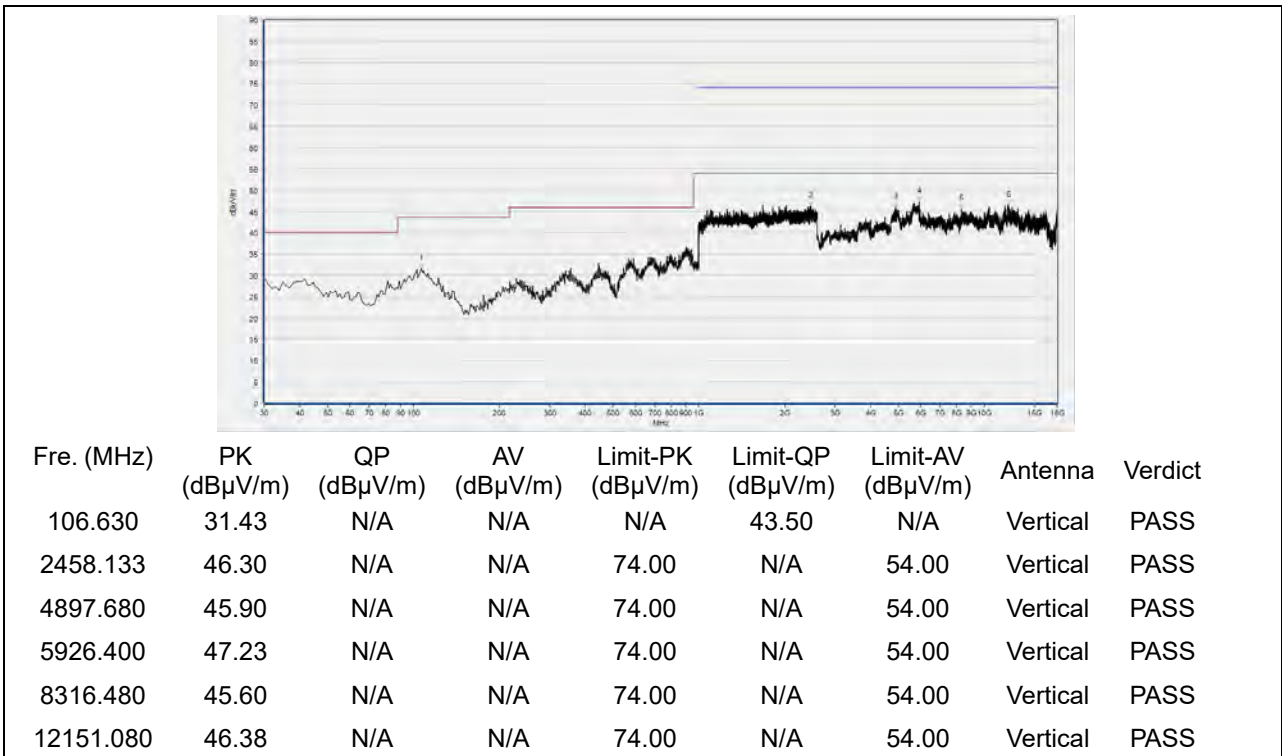
(Antenna Vertical, 30MHz to 18GHz)

802.11n (HT40) Mode

Plot for Channel 3

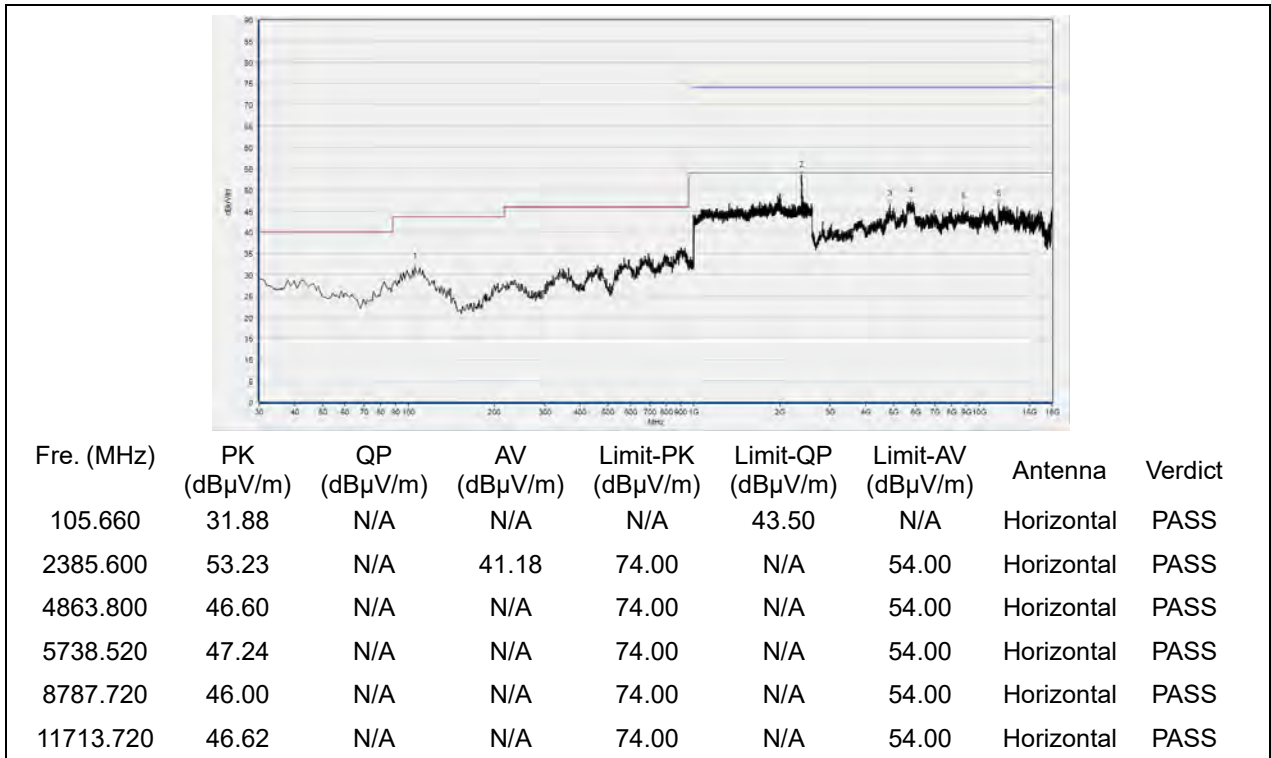


(Antenna Horizontal, 30MHz to 18GHz)

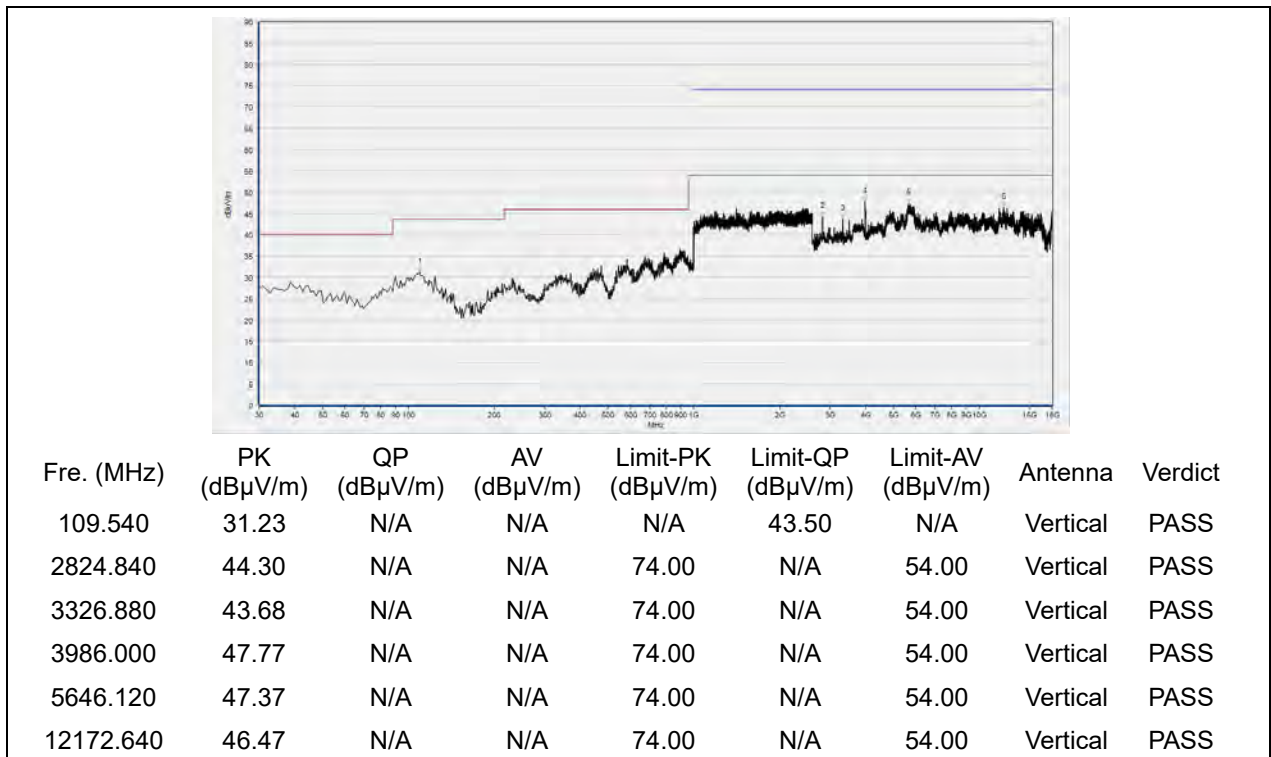


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7

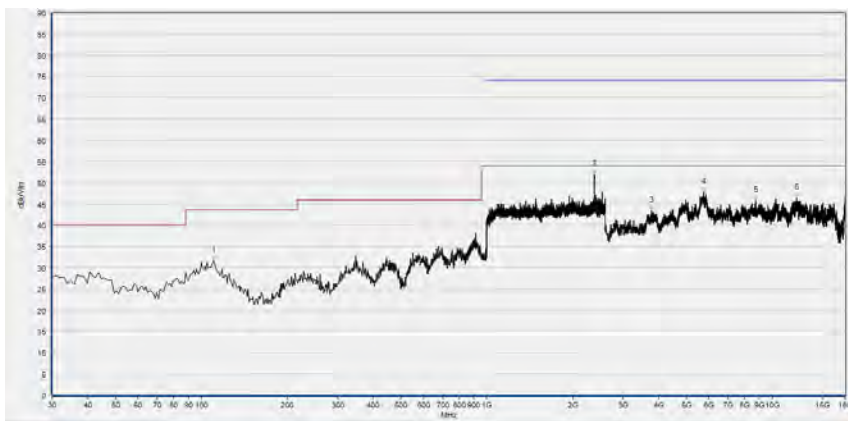


(Antenna Horizontal, 30MHz to 18GHz)



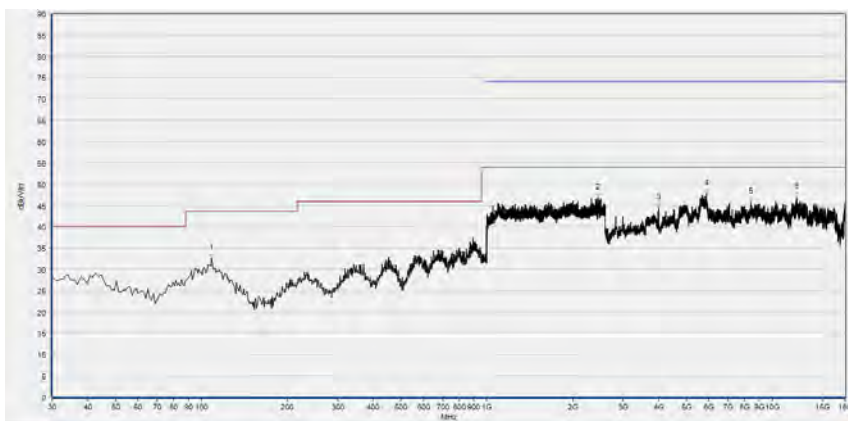
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	31.61	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2385.067	51.99	N/A	40.31	74.00	N/A	54.00	Horizontal	PASS
3776.560	43.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5735.440	47.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8772.320	45.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12188.040	46.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



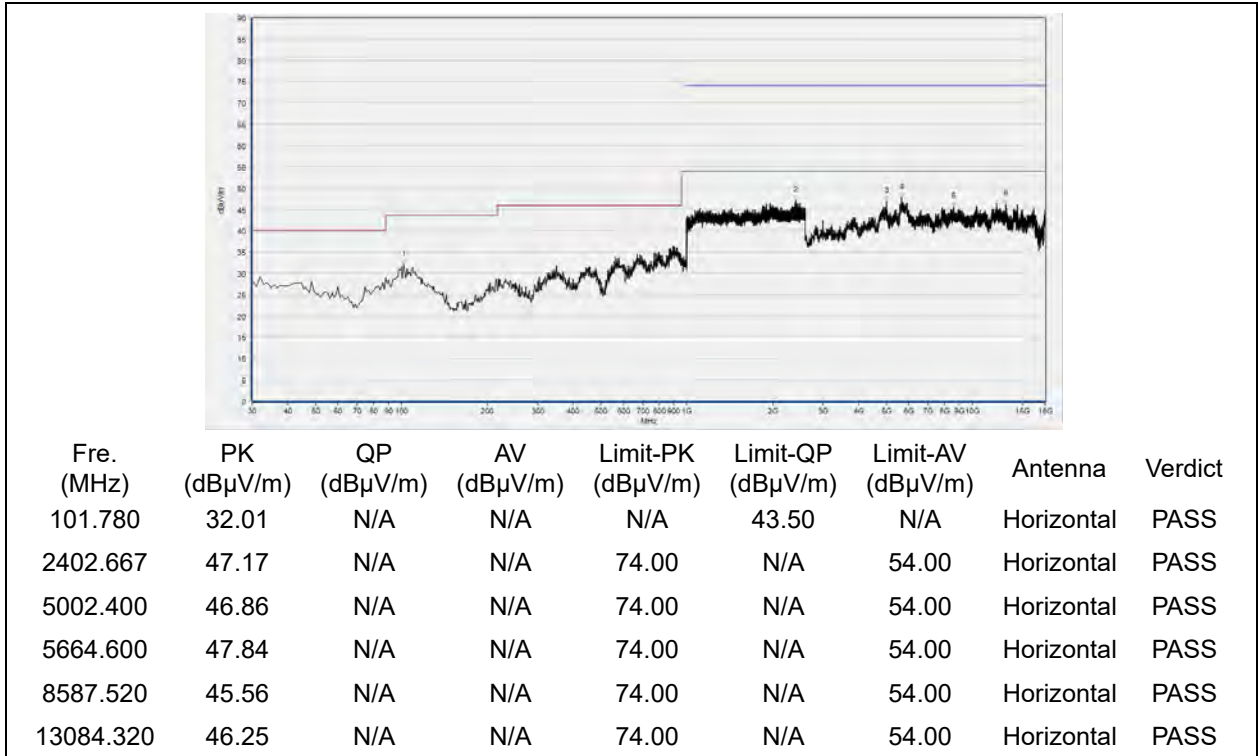
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	32.48	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2455.467	46.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3998.320	44.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5889.440	47.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8415.040	45.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12160.320	46.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

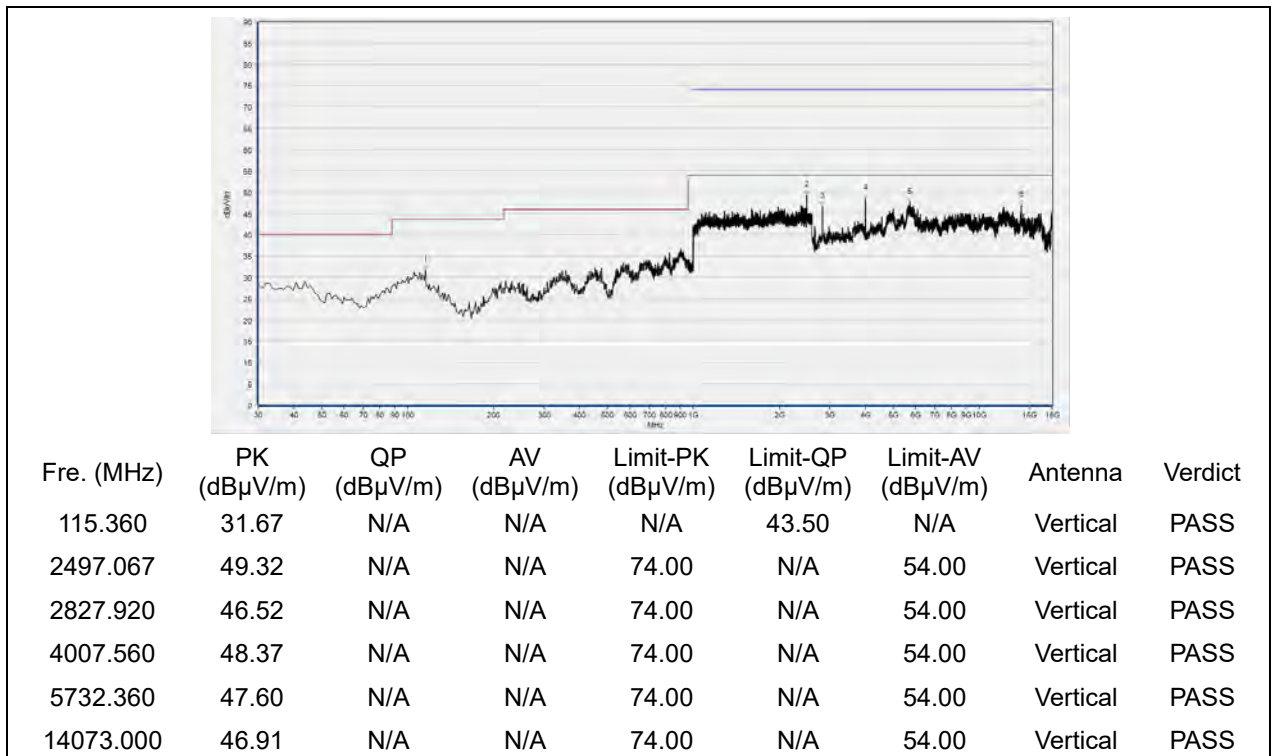


802.11ax (HEW20) Mode

Plot for Channel 1

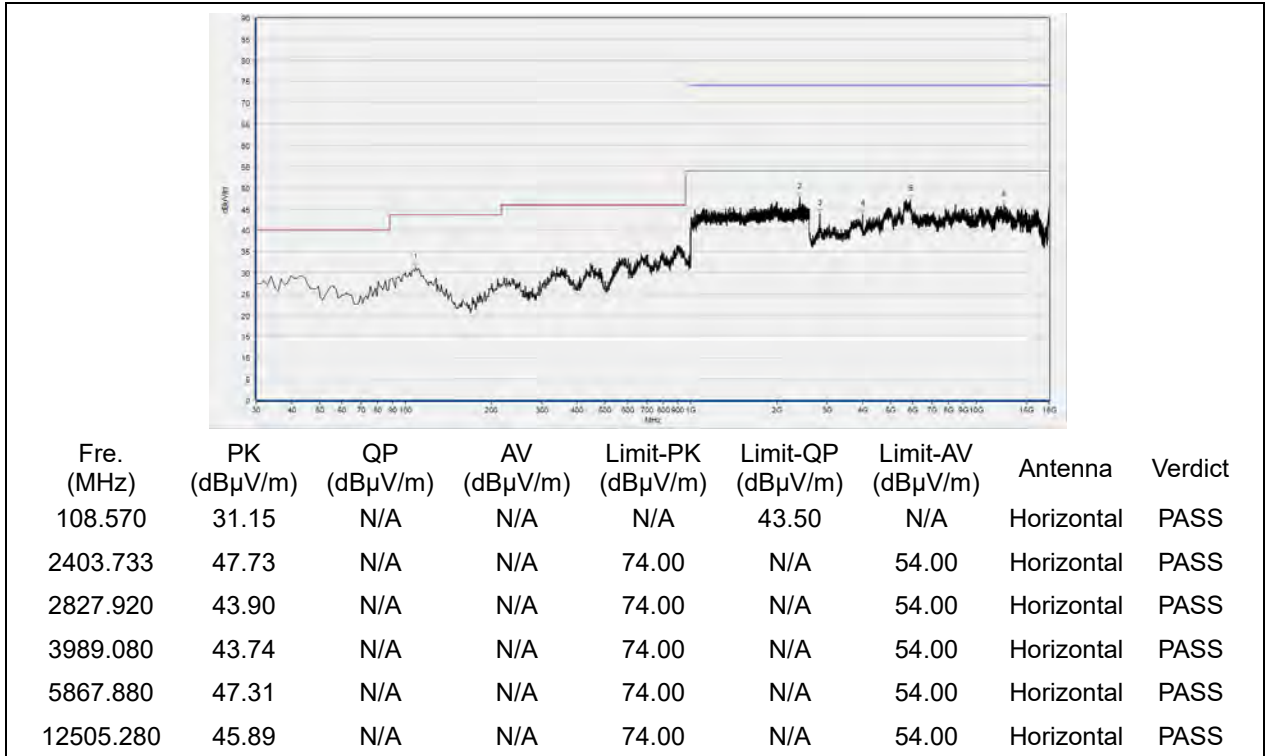


(Antenna Horizontal, 30MHz to 18GHz)

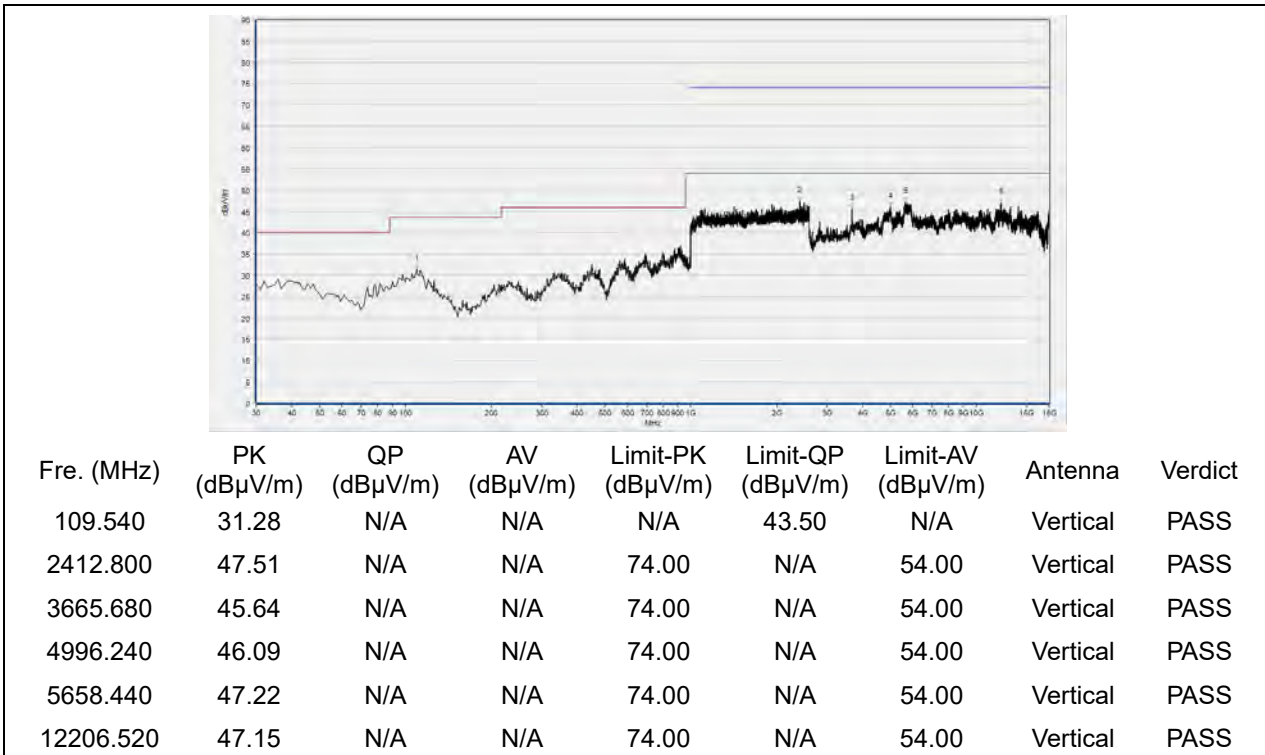


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7

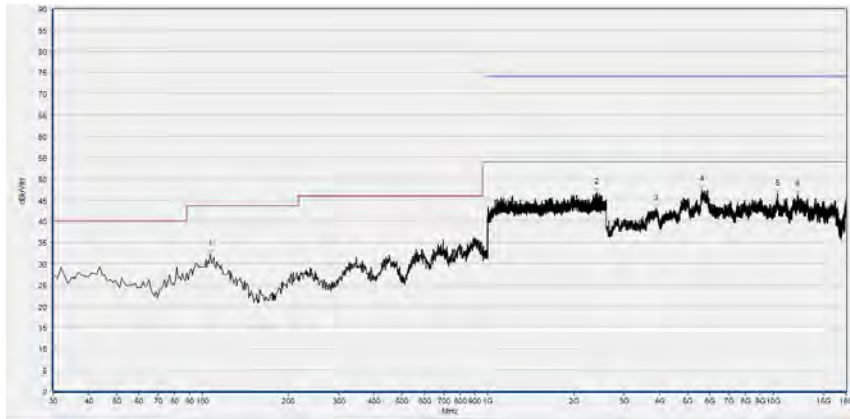


(Antenna Horizontal, 30MHz to 18GHz)



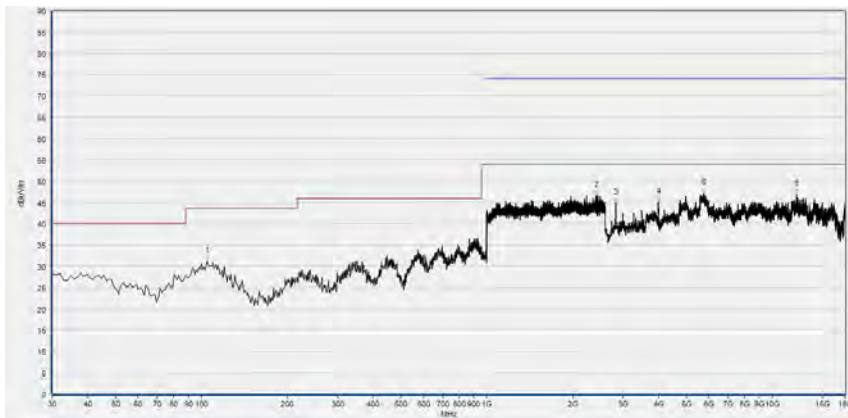
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 13



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	32.21	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2403.733	46.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3893.600	42.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5627.640	47.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10358.520	46.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12154.160	46.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

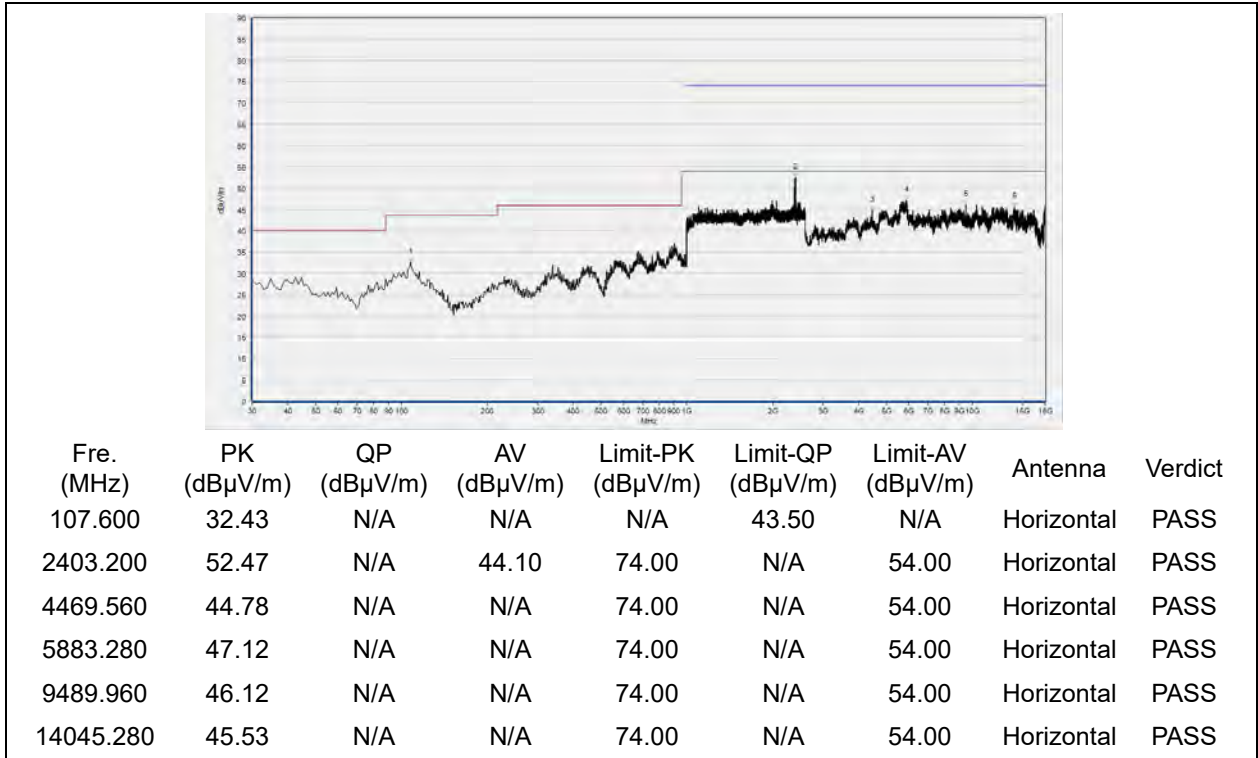


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	31.15	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2418.667	46.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2831.000	44.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3989.080	45.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5747.760	47.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12151.080	46.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

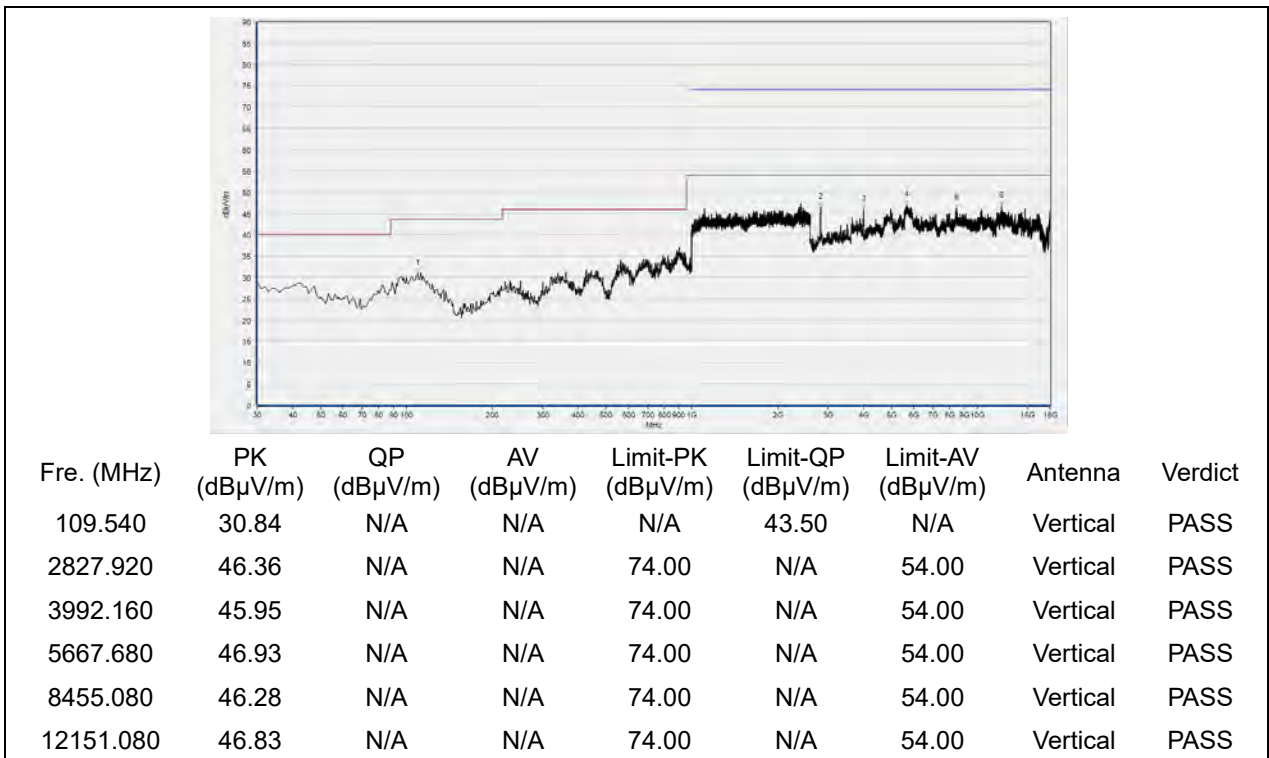
(Antenna Vertical, 30MHz to 18GHz)

802.11ax (HEW20) RU26 Mode

Plot for Channel 1

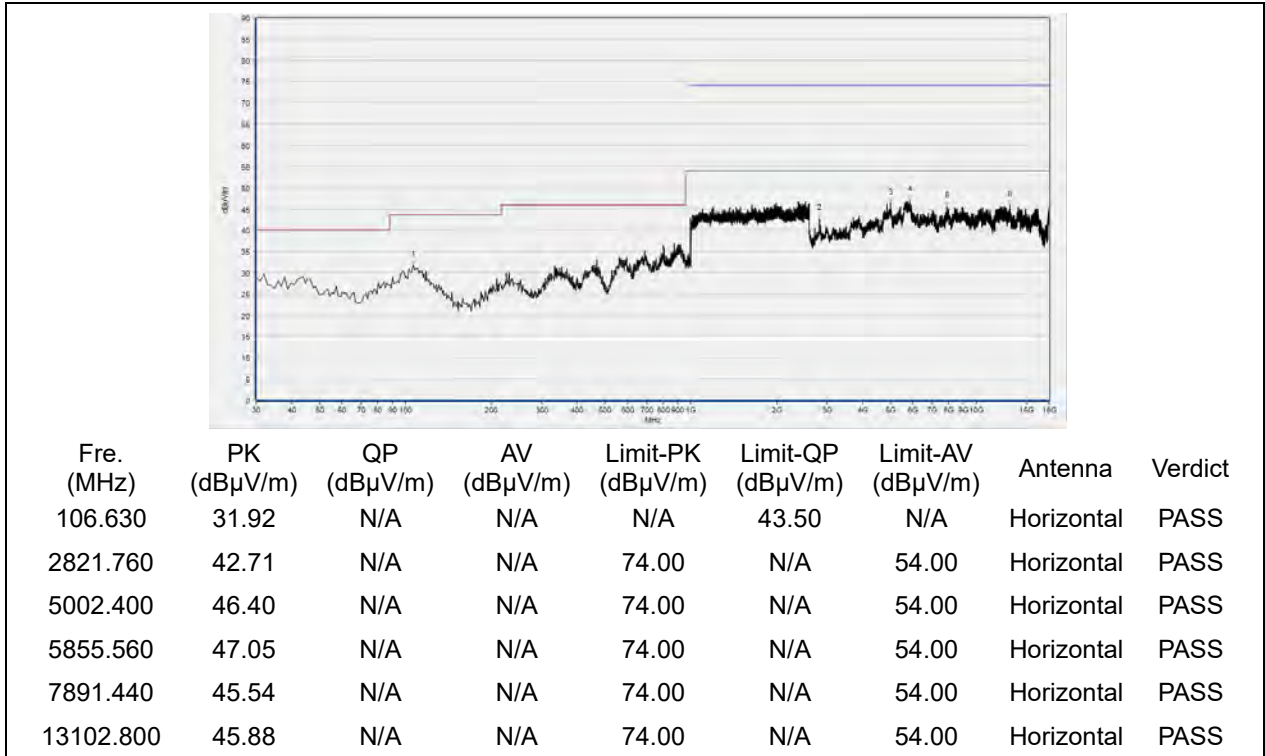


(Antenna Horizontal, 30MHz to 18GHz)

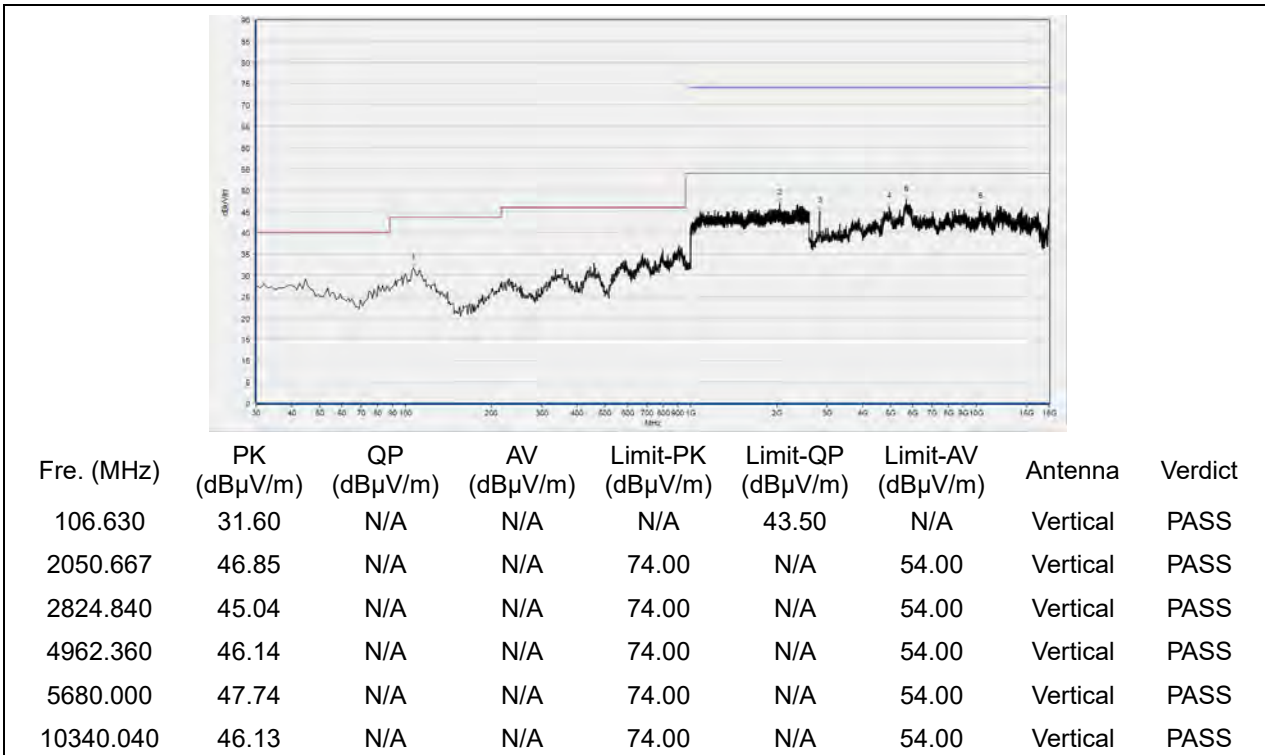


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7

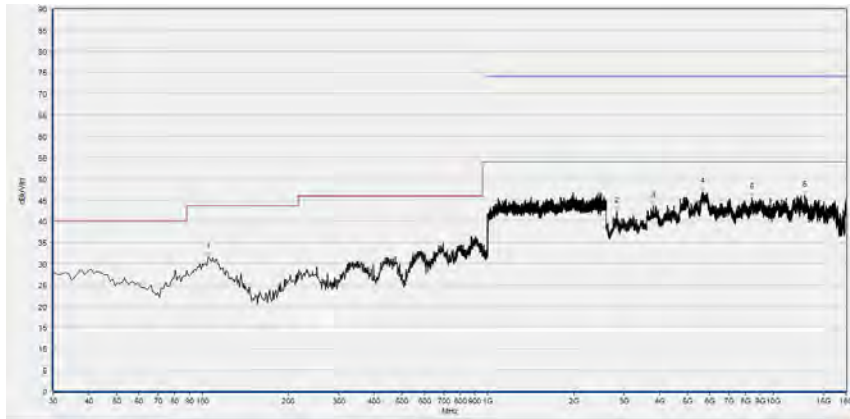


(Antenna Horizontal, 30MHz to 18GHz)



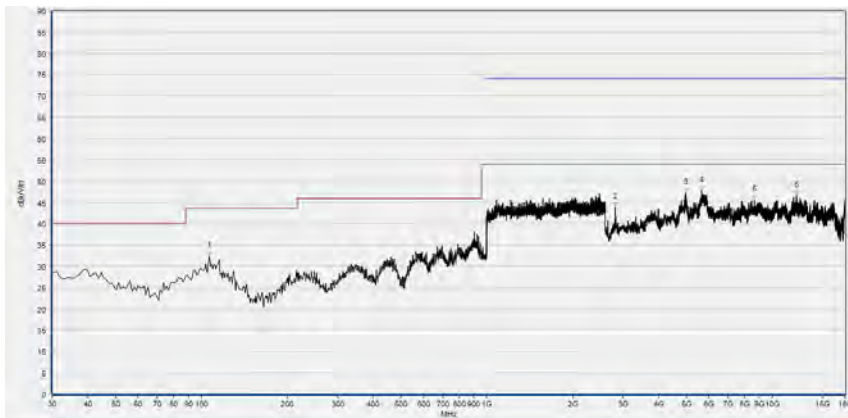
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 13



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	31.54	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2831.000	42.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3798.120	43.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5661.520	46.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8408.880	45.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12887.200	46.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

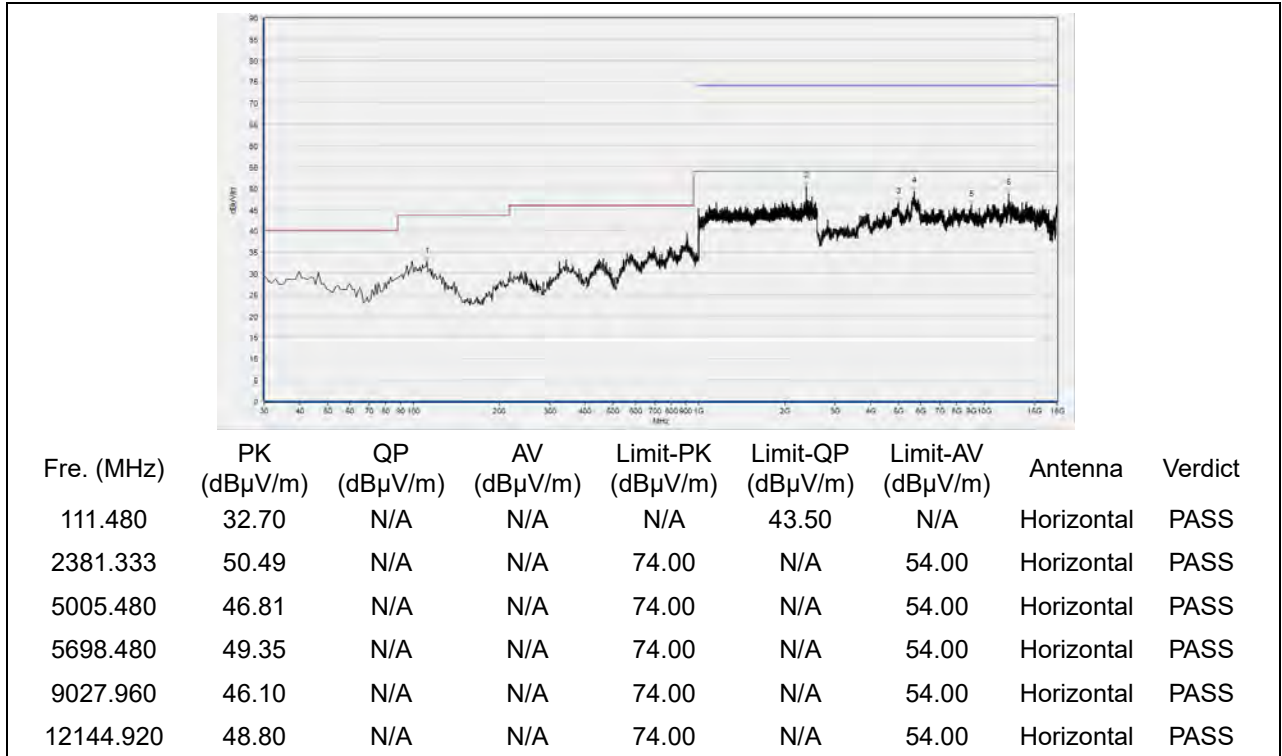


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	32.38	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2821.760	43.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4987.000	47.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5667.680	47.81	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8633.720	45.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12154.160	46.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

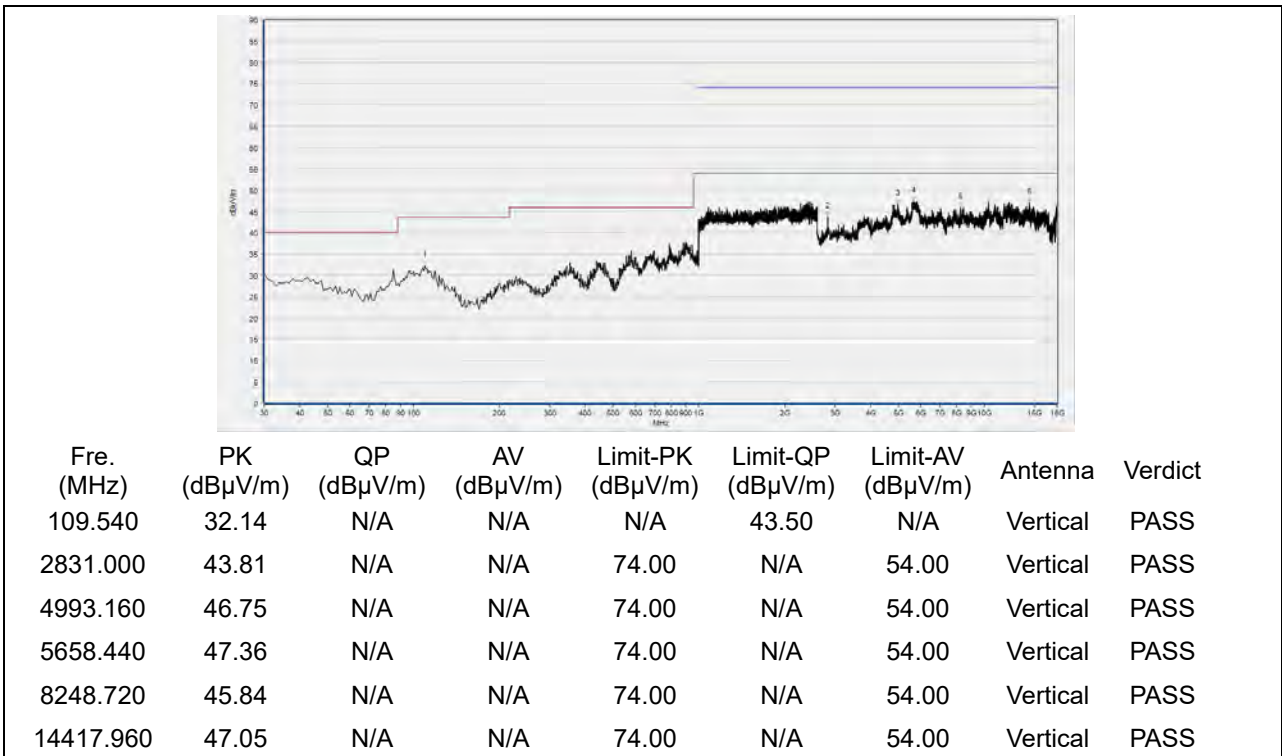
(Antenna Vertical, 30MHz to 18GHz)

802.11ax (HEW40) Mode

Plot for Channel 3

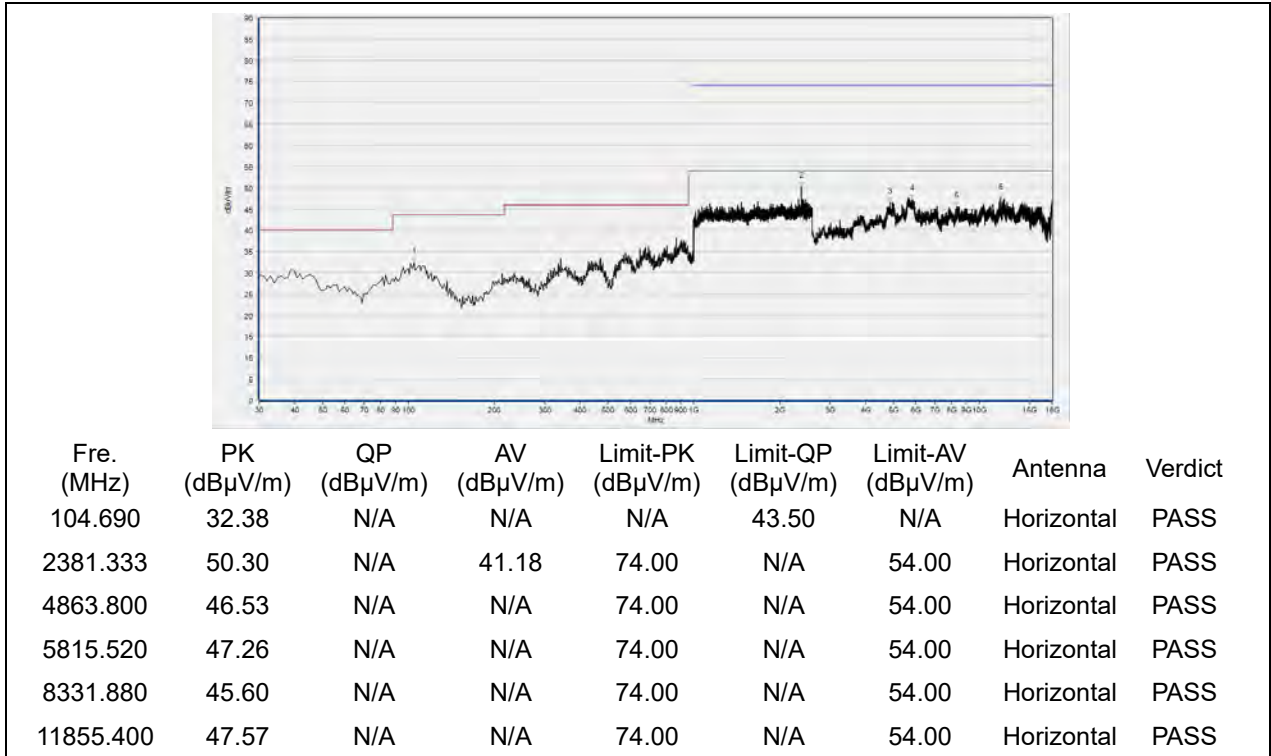


(Antenna Horizontal, 30MHz to 18GHz)

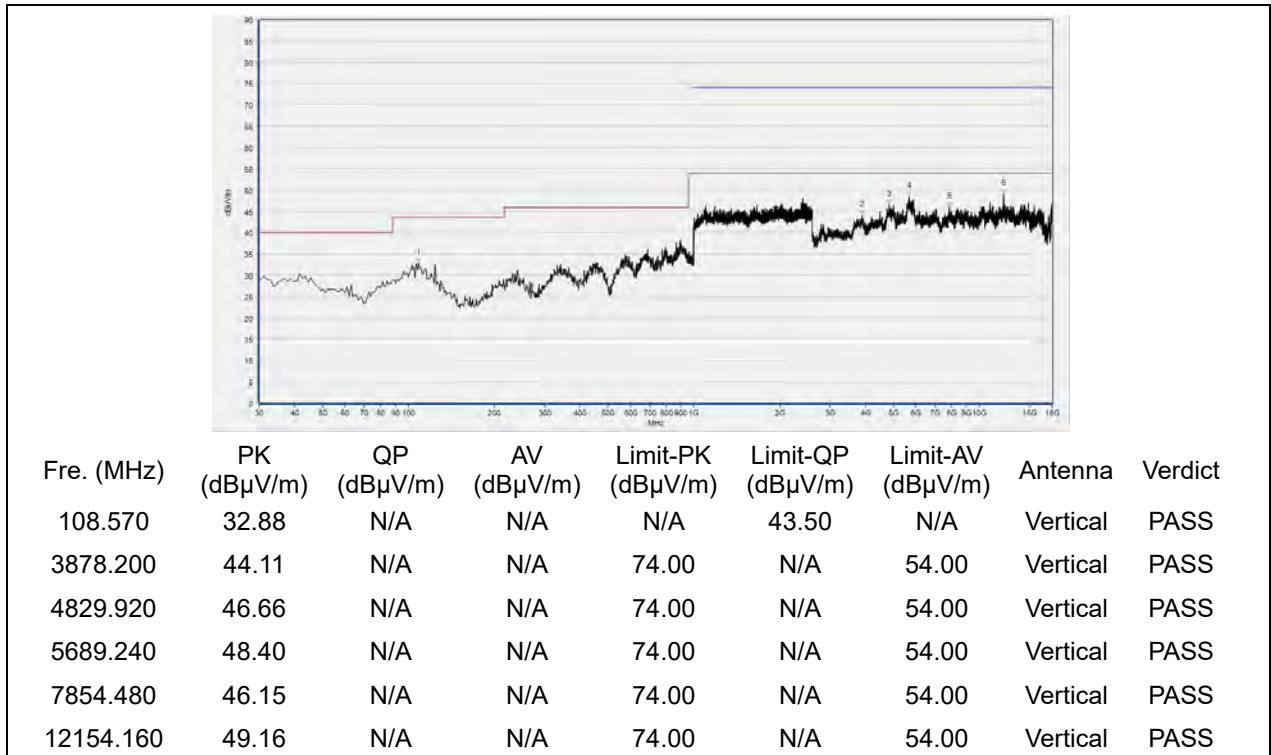


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7

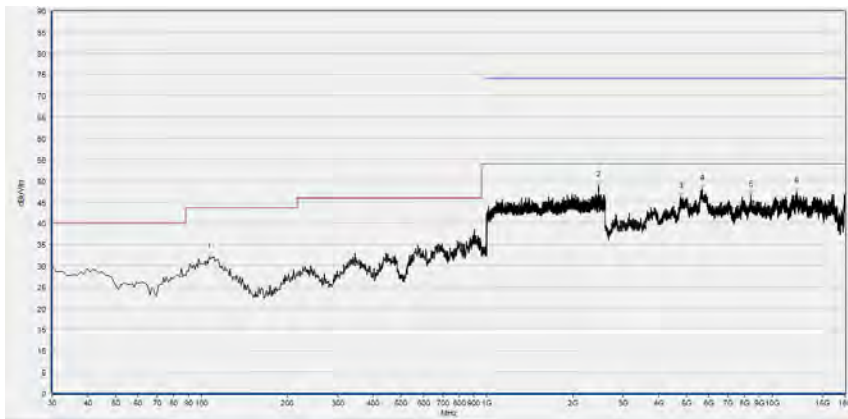


(Antenna Horizontal, 30MHz to 18GHz)



(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
106.630	32.04	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2463.467	48.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4789.880	46.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5670.760	48.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8424.280	46.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12197.280	47.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	33.55	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2414.400	47.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5011.640	47.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5612.240	48.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8898.600	45.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12144.920	47.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT