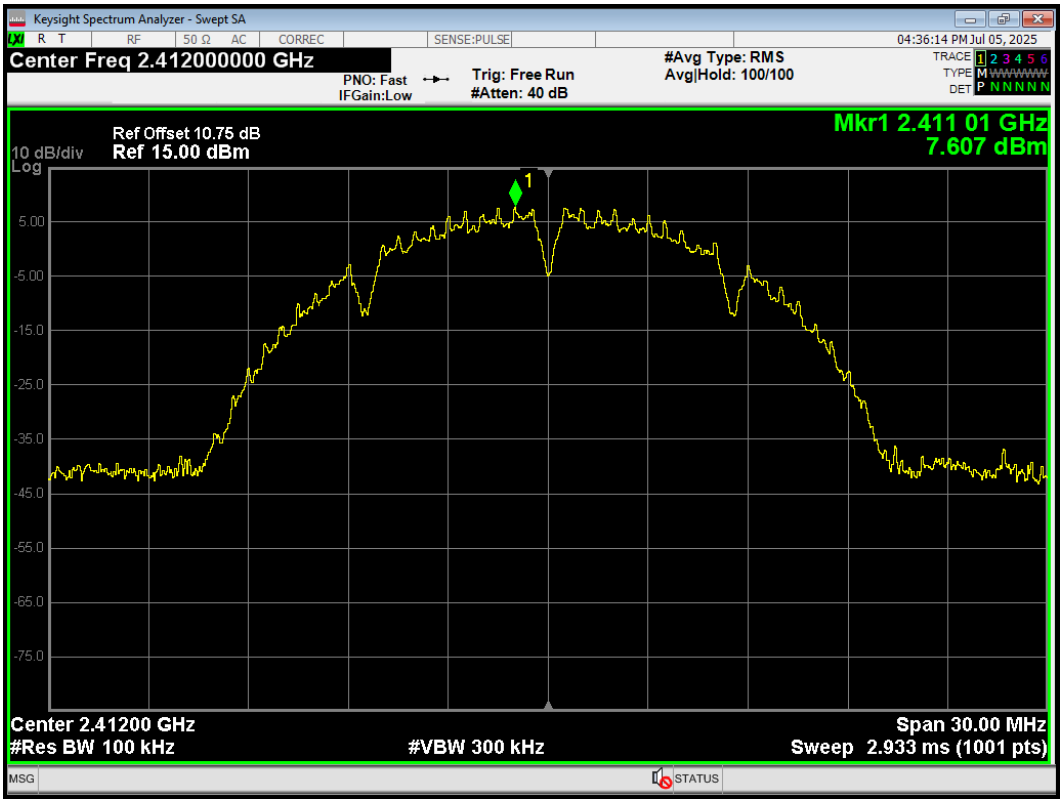
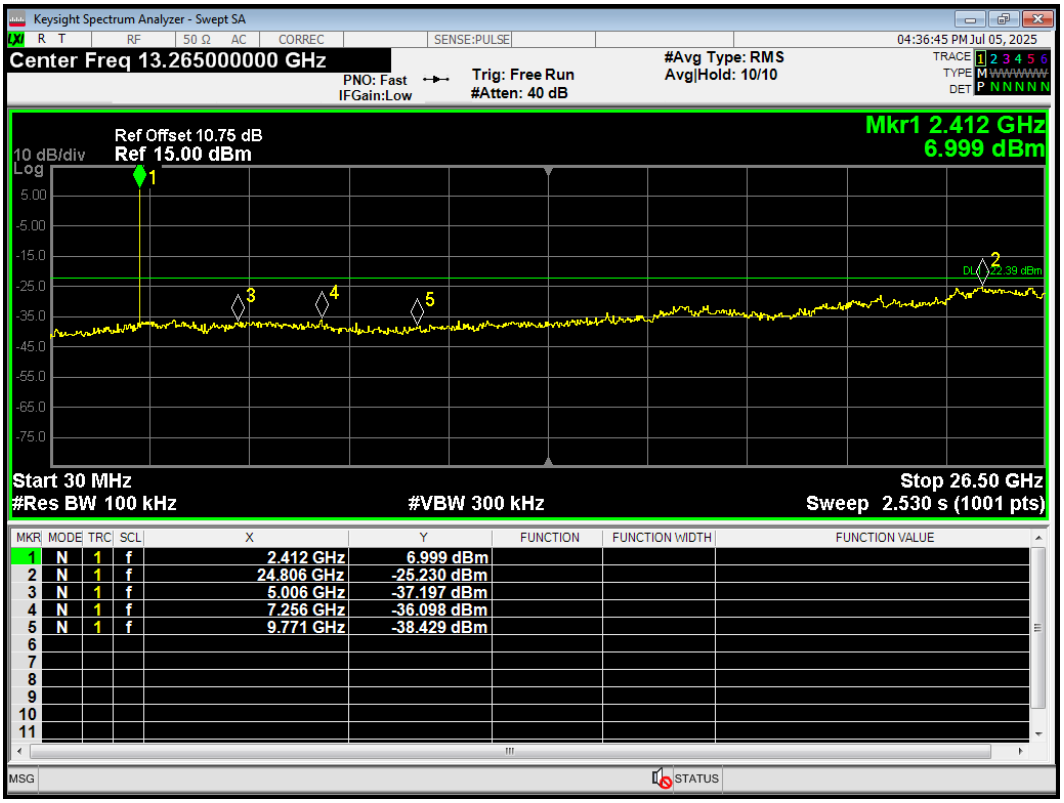
Test Results:

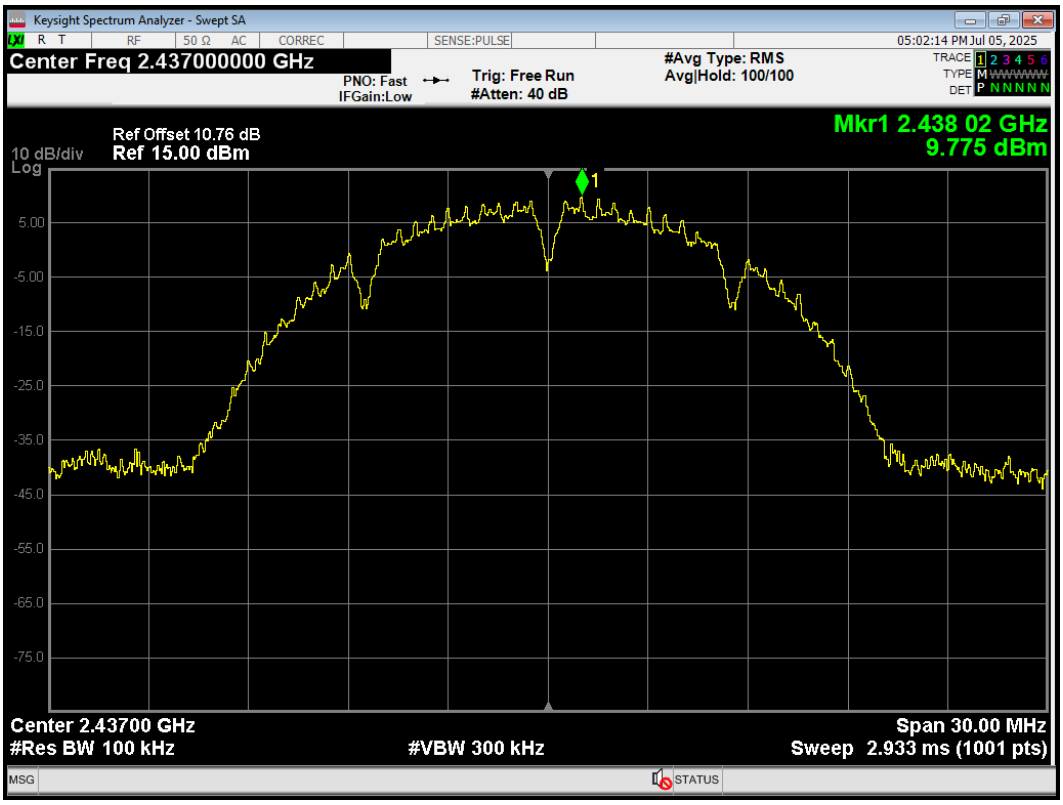
Tx. Spurious 802.11b 2412MHz Ref



Tx. Spurious 802.11b 2412MHz Emission



Tx. Spurious 802.11b 2437MHz Ref



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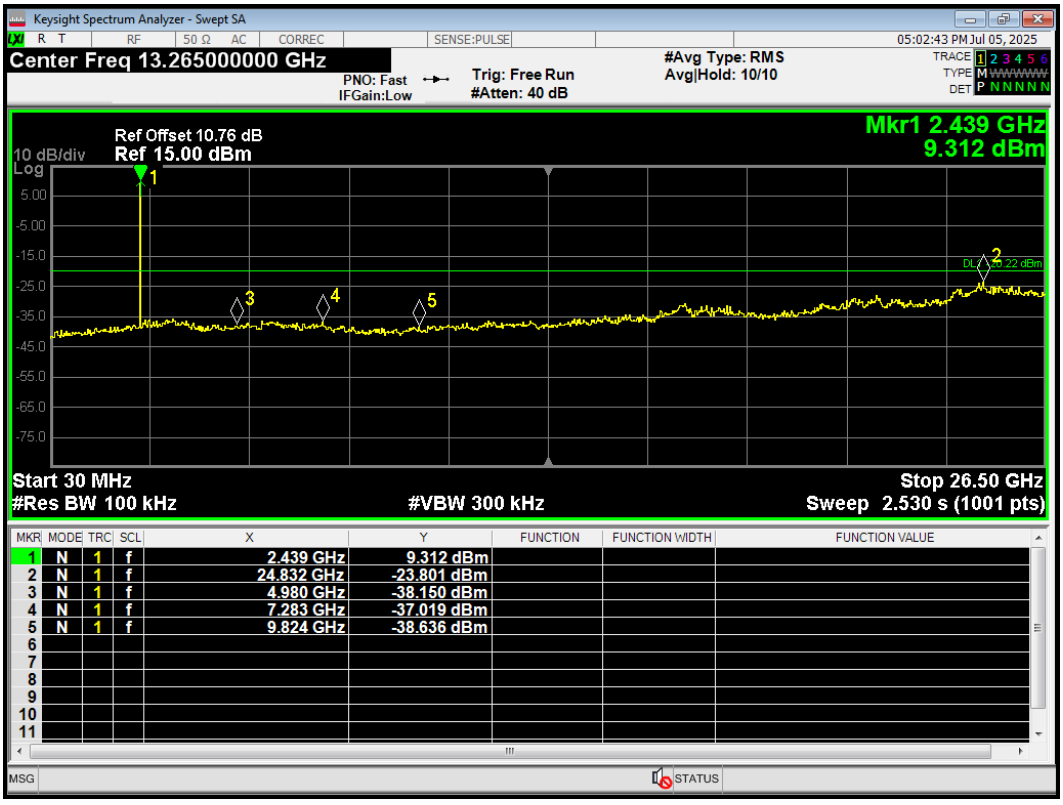

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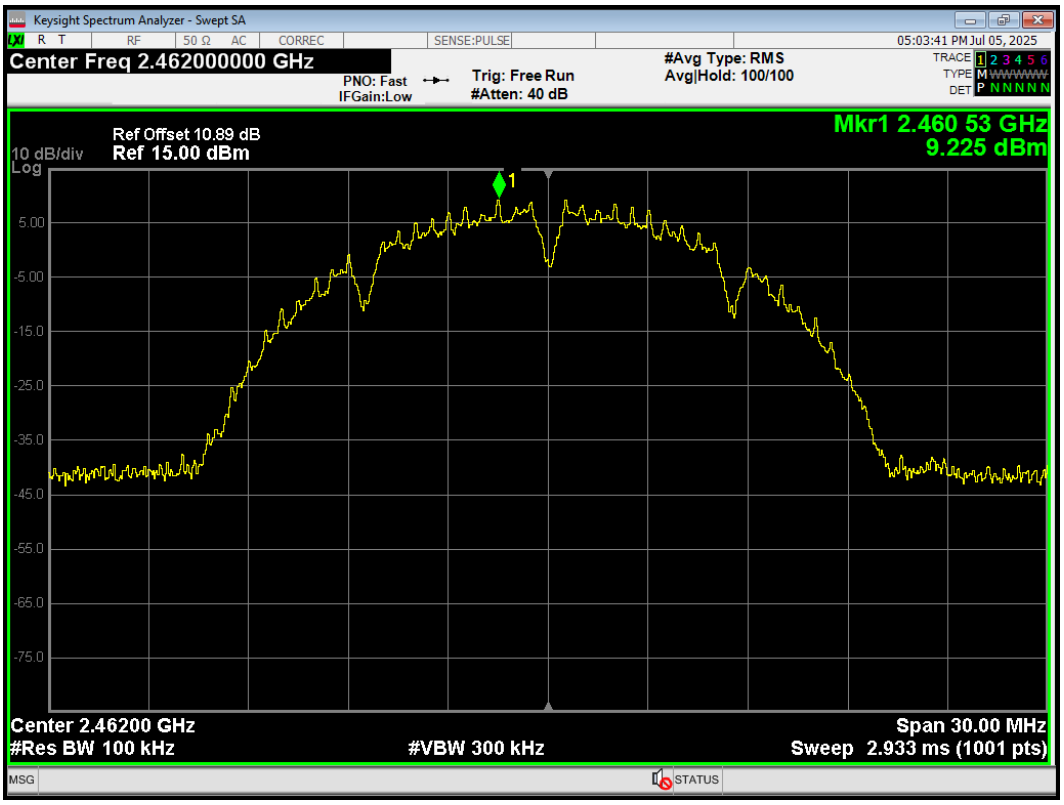

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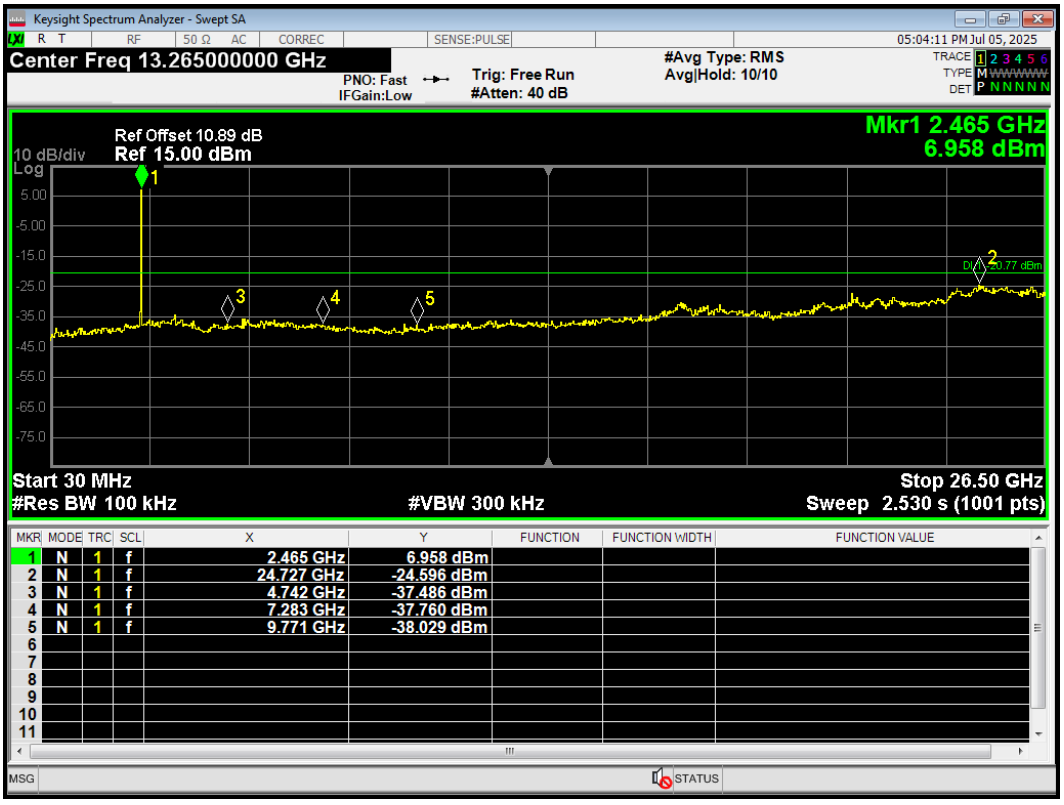

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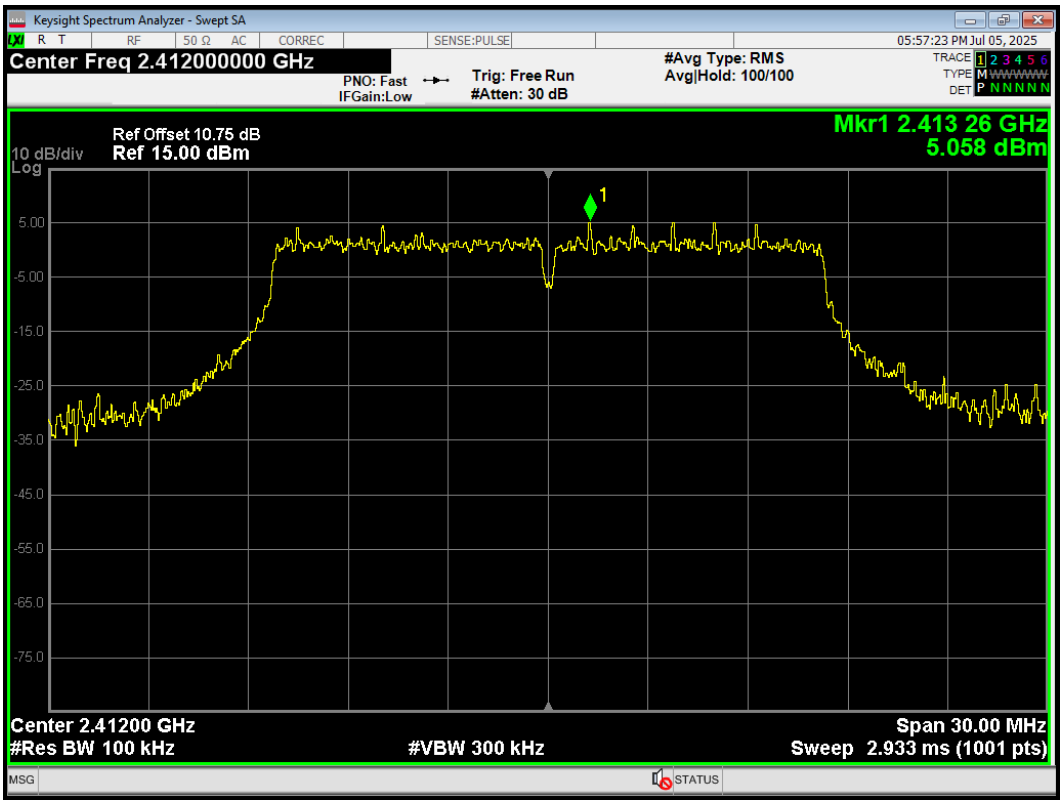

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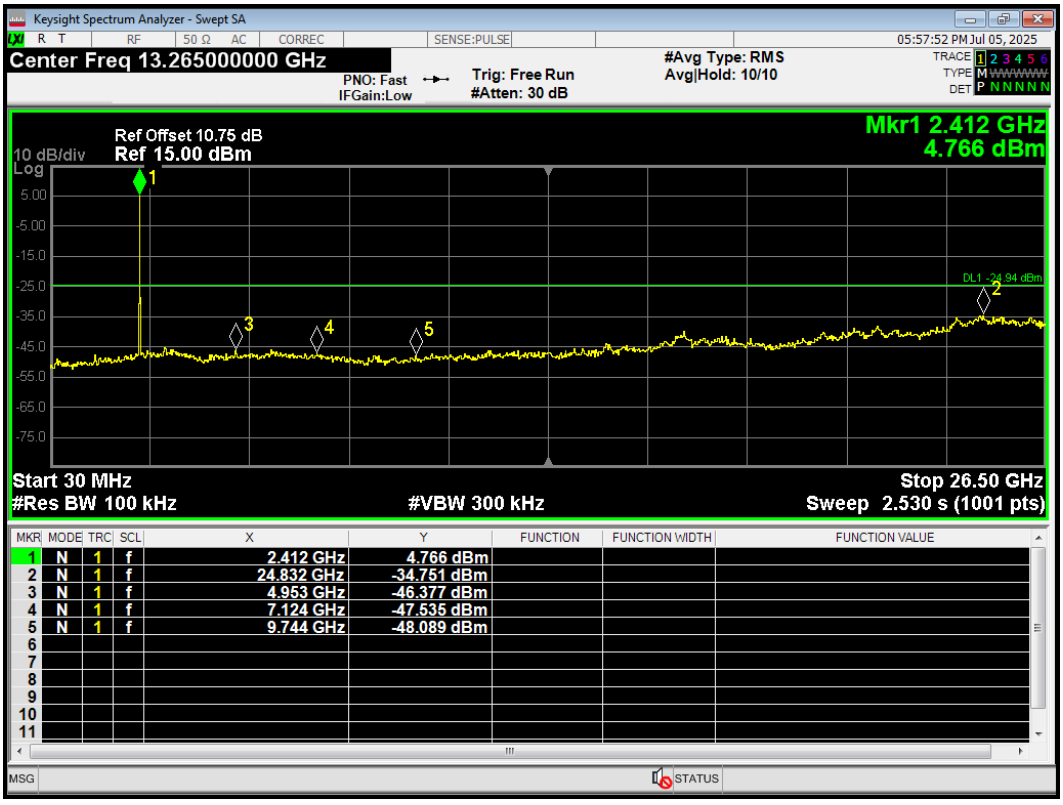

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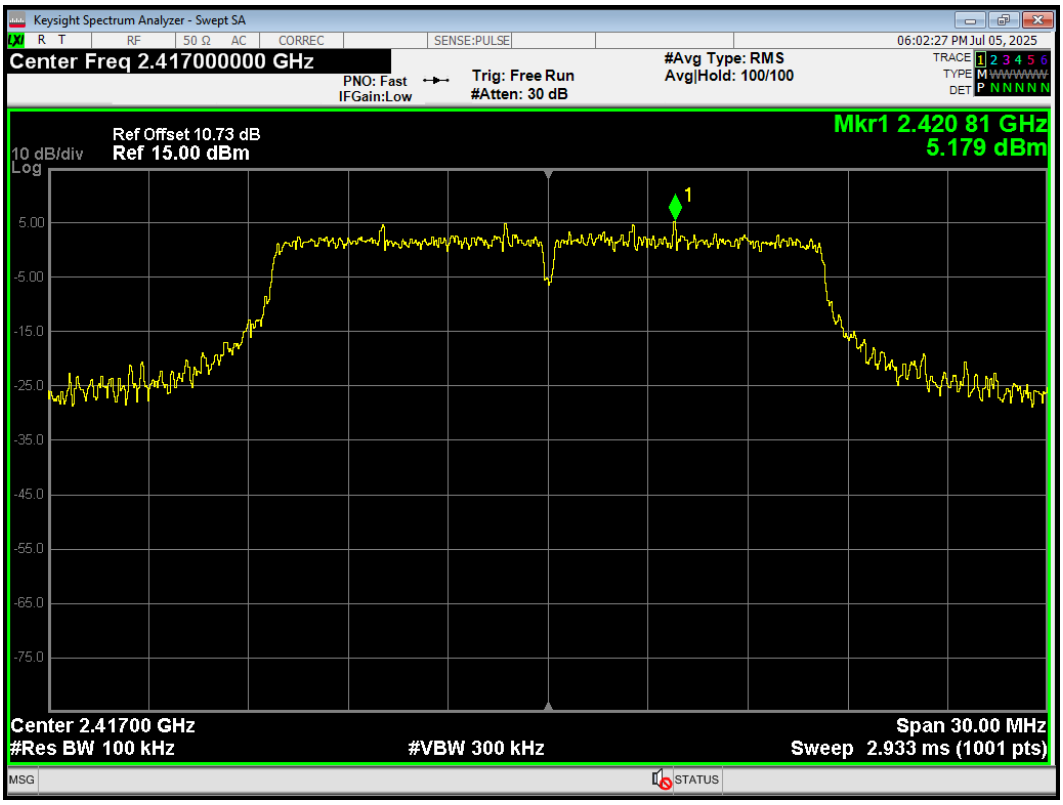

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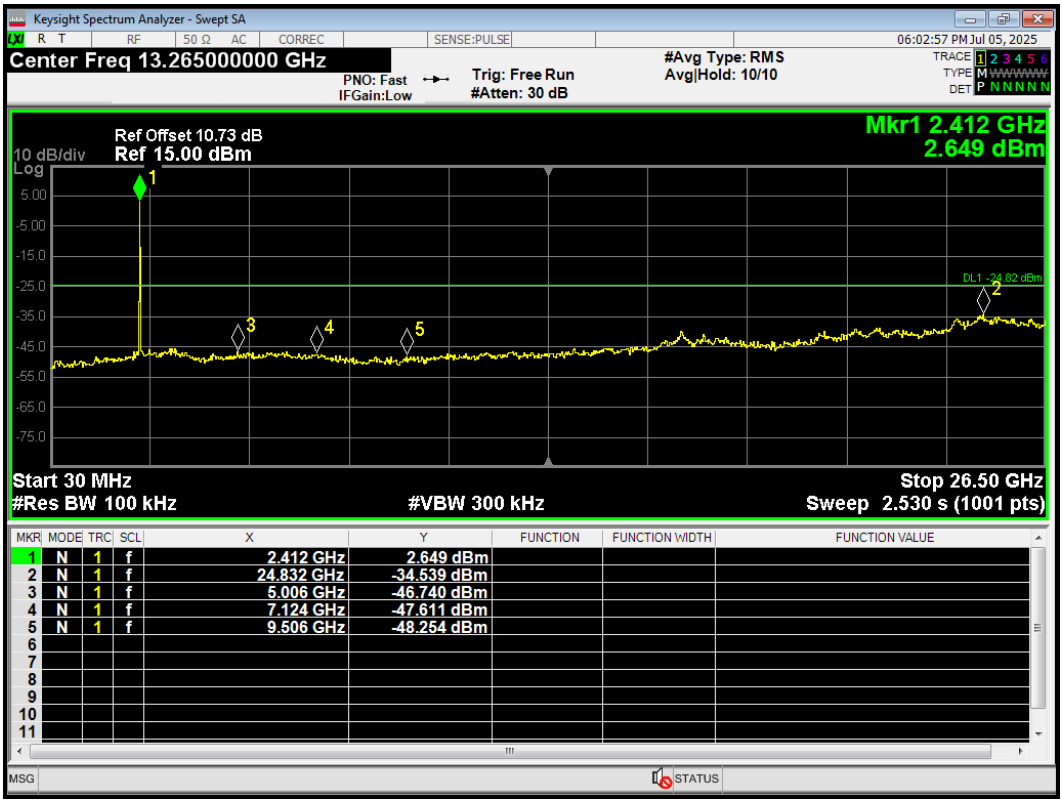

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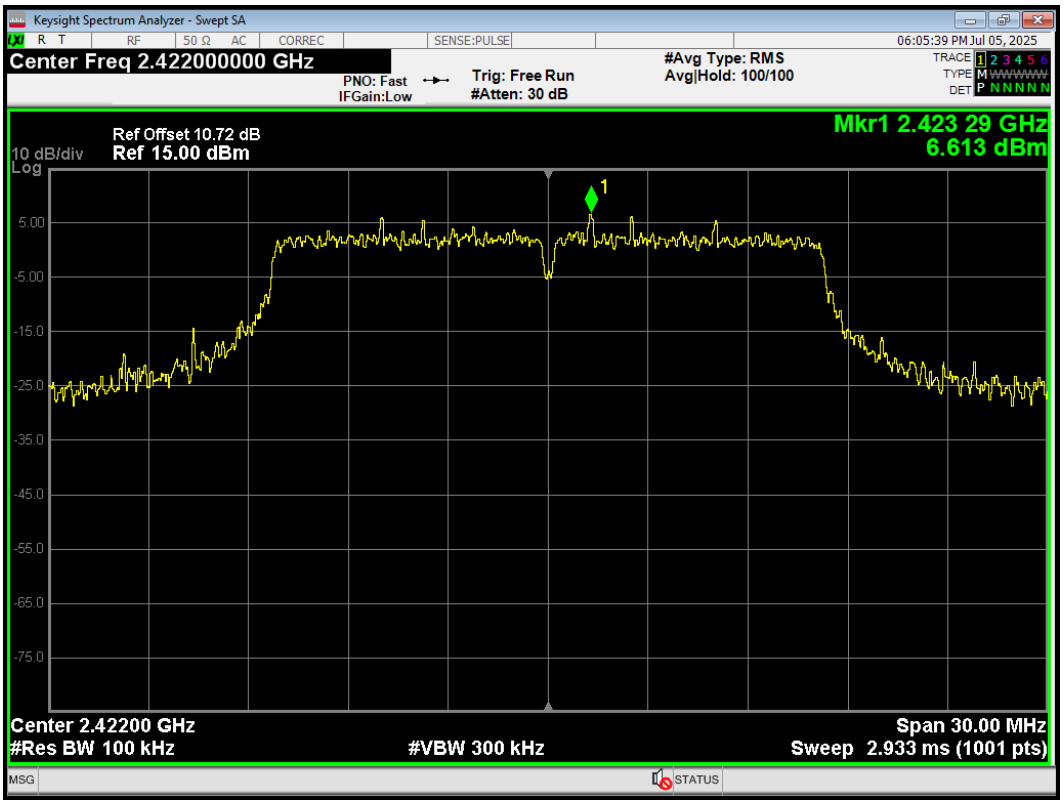

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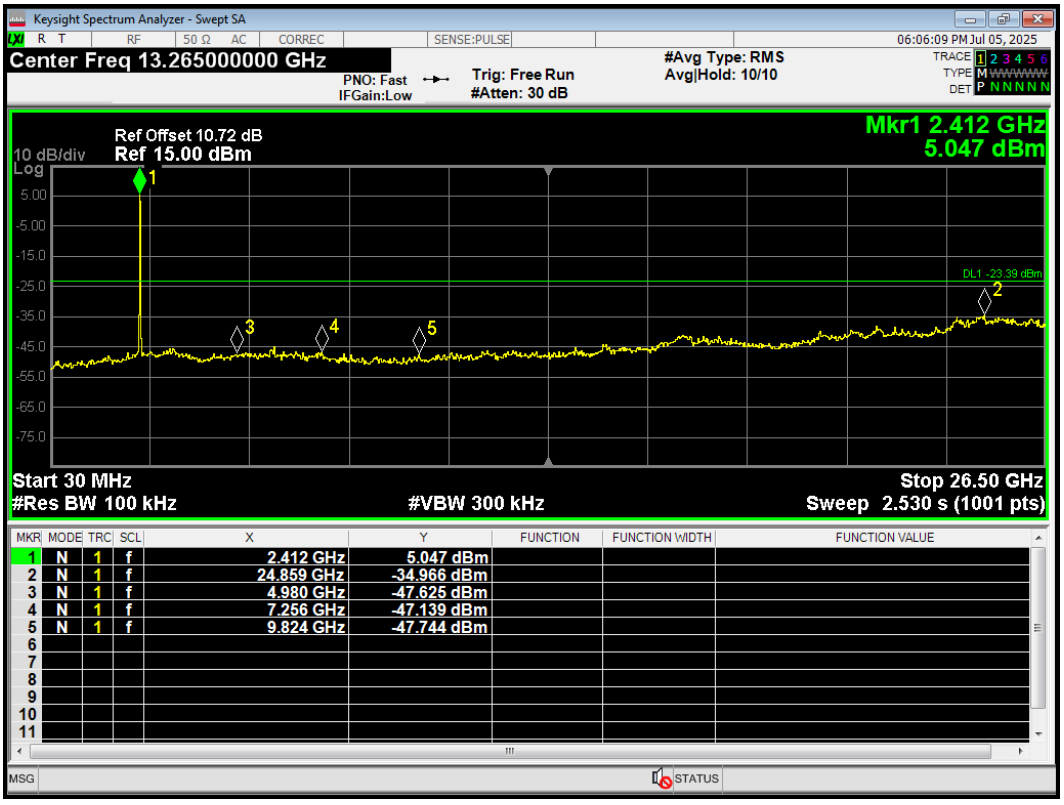

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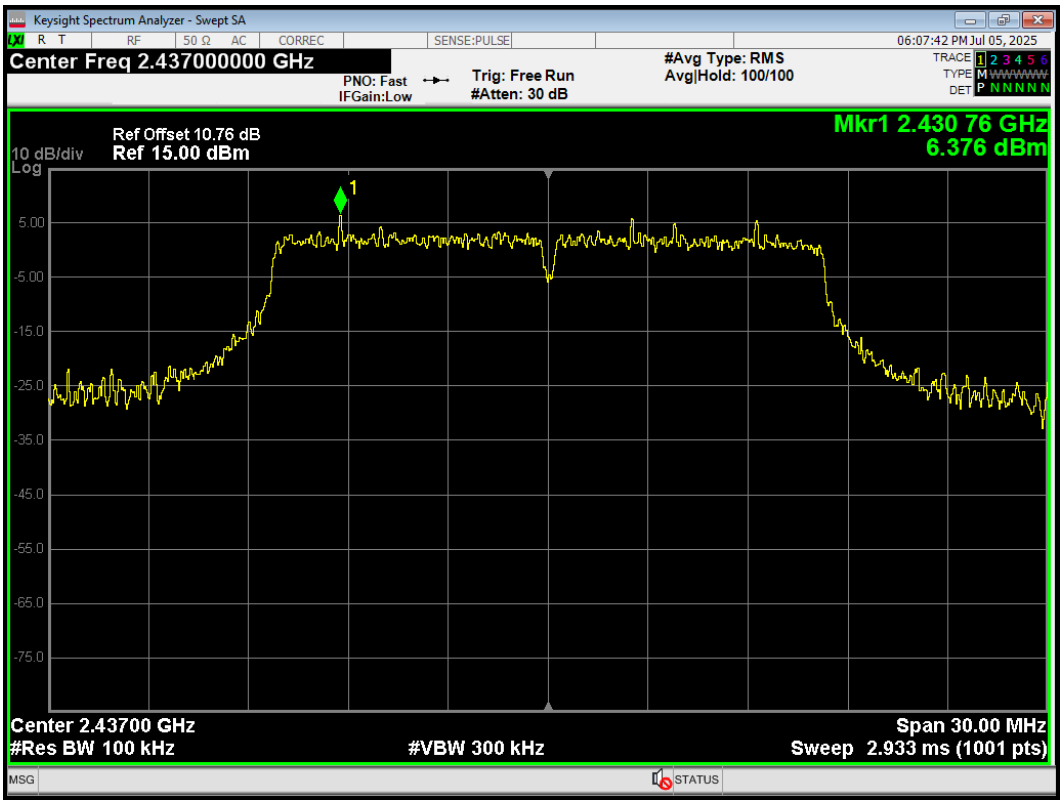

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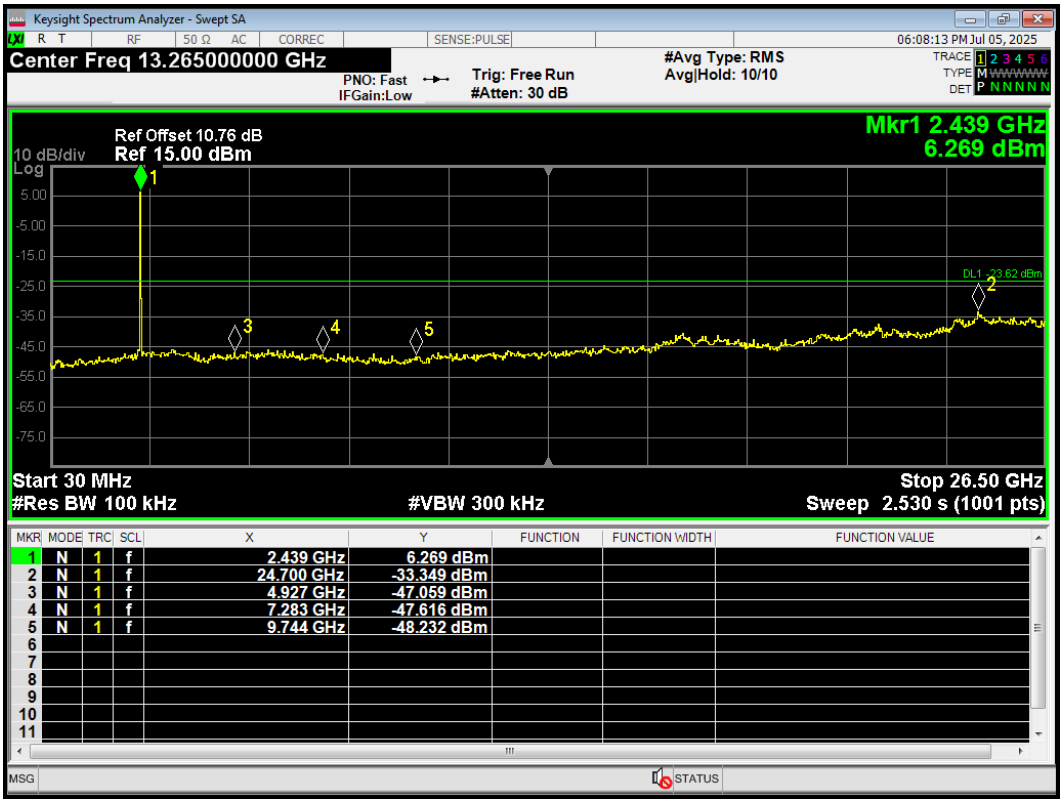

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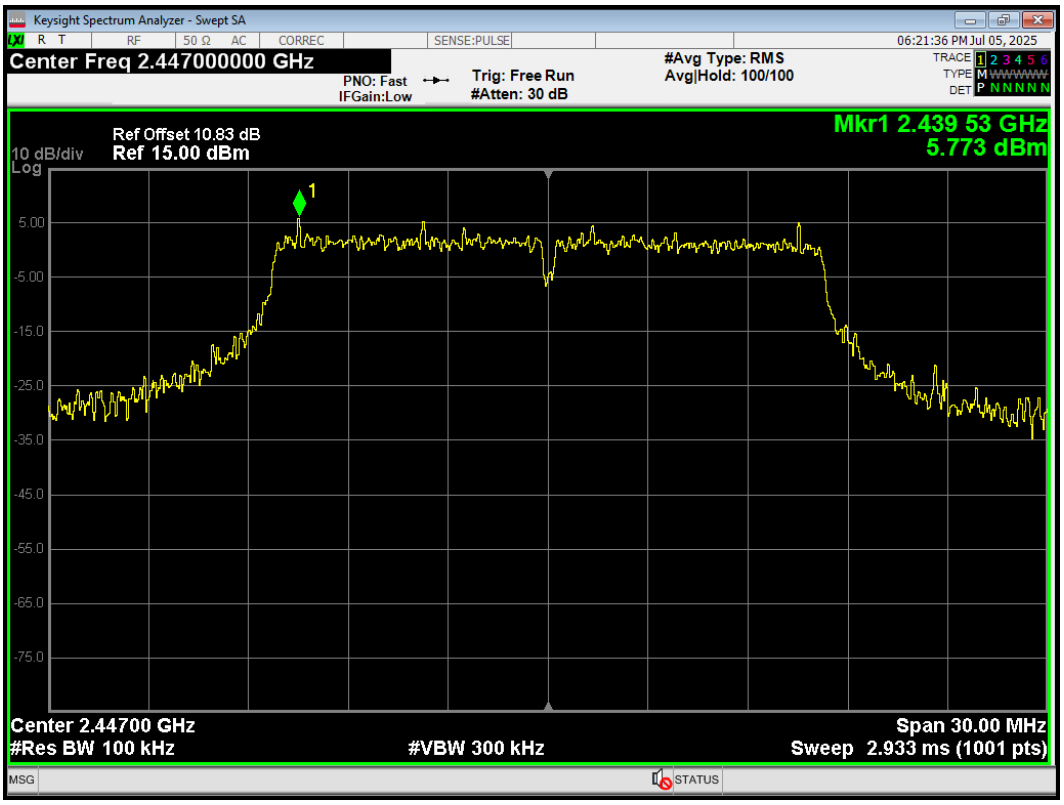

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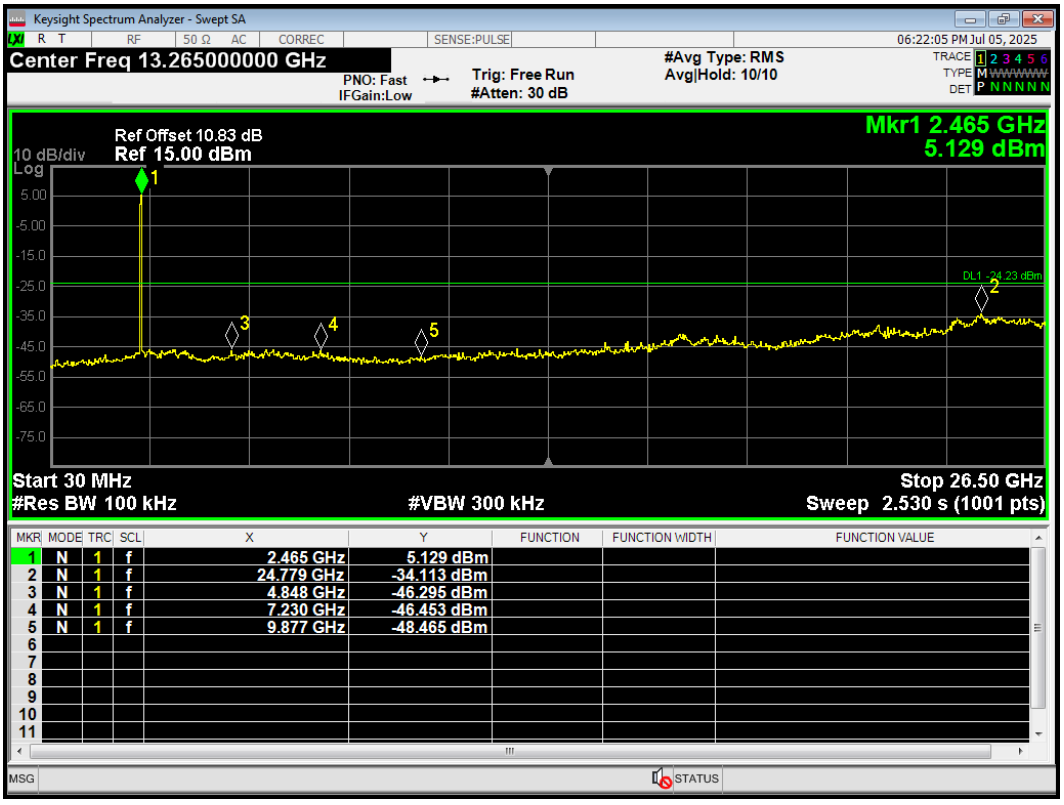

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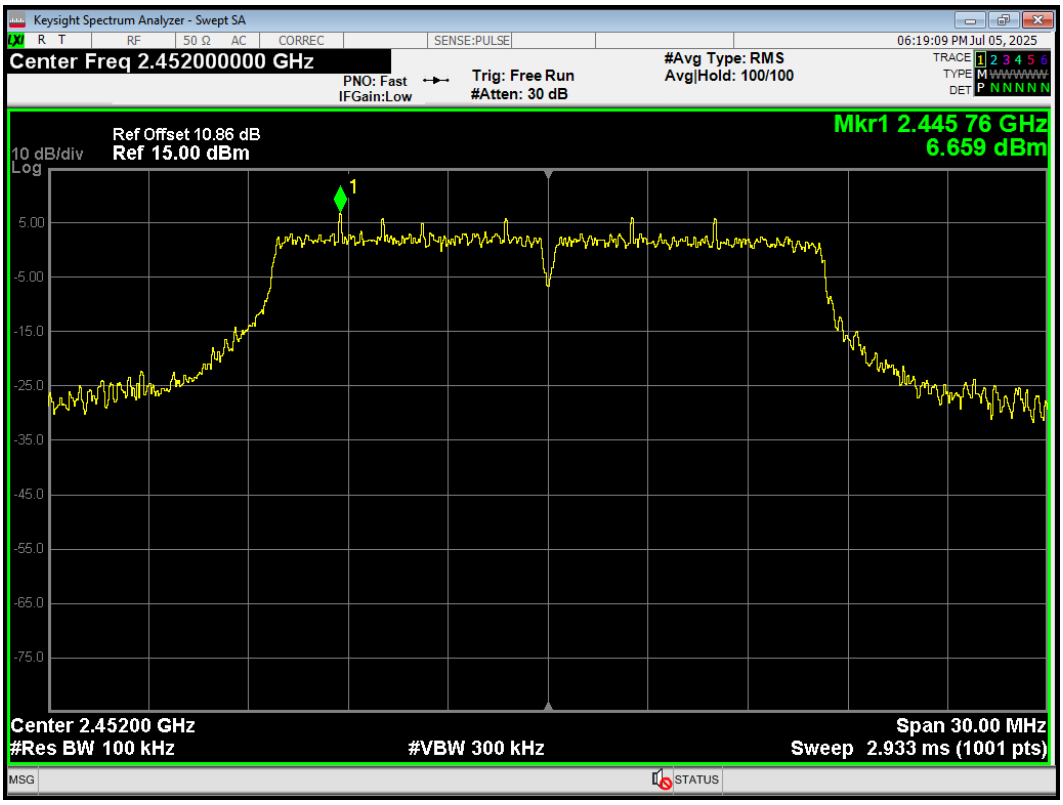

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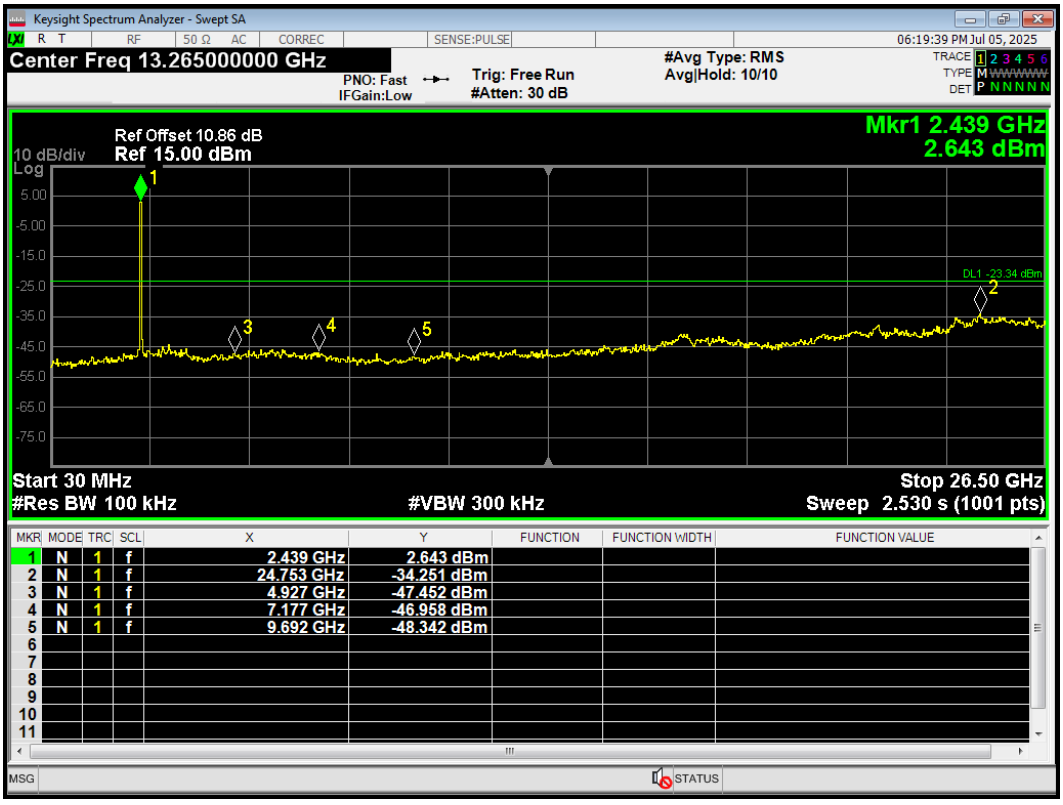

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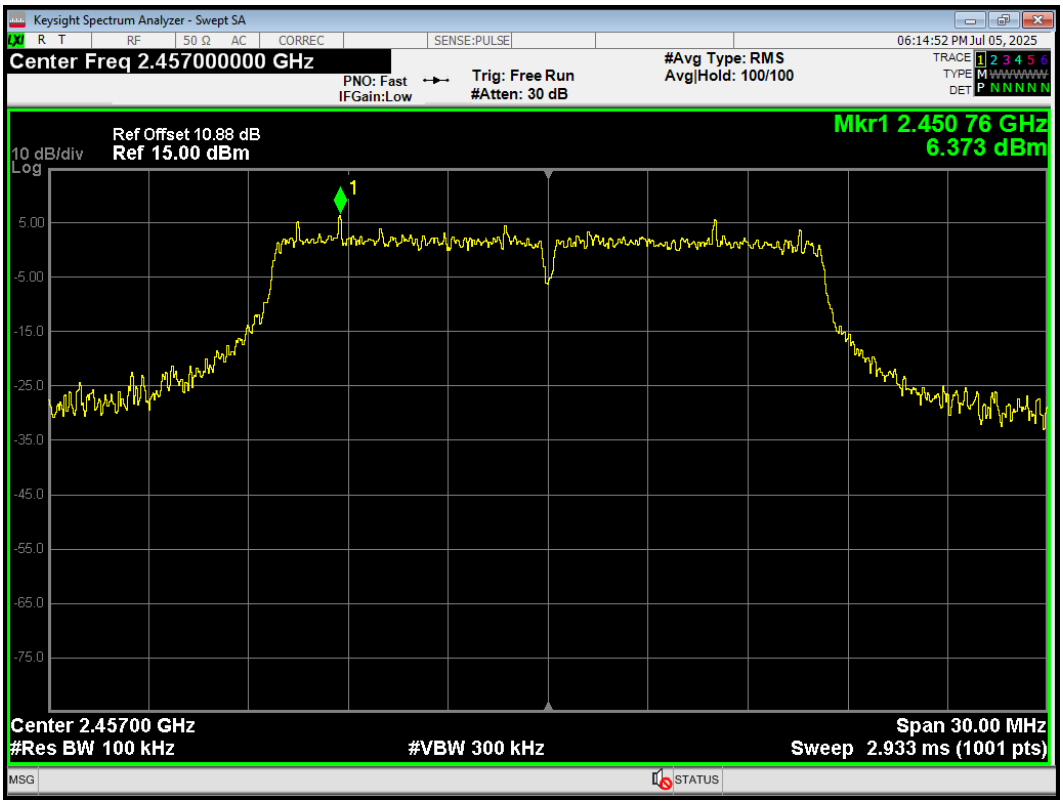

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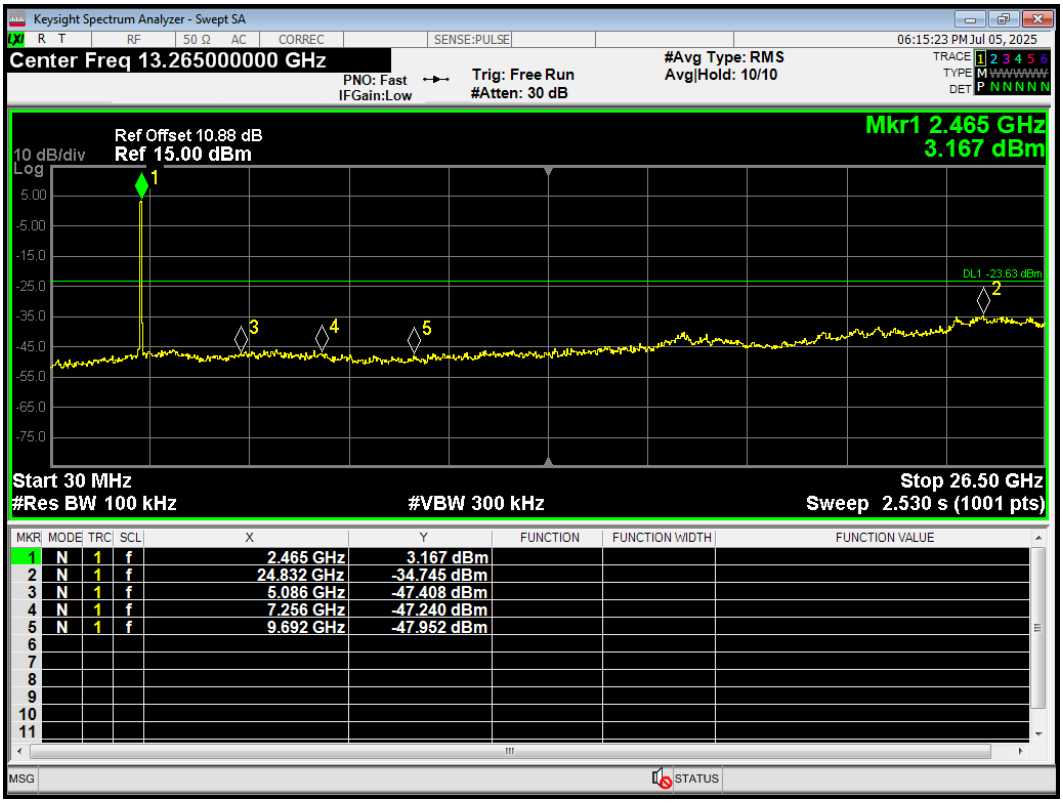

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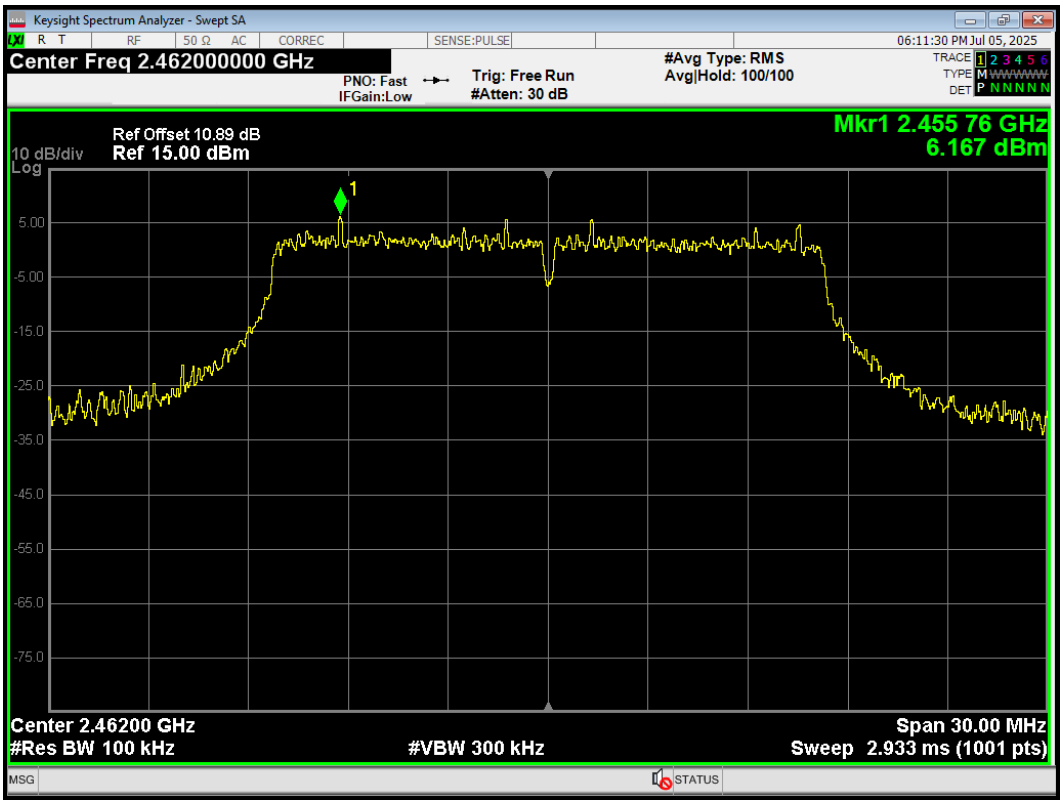

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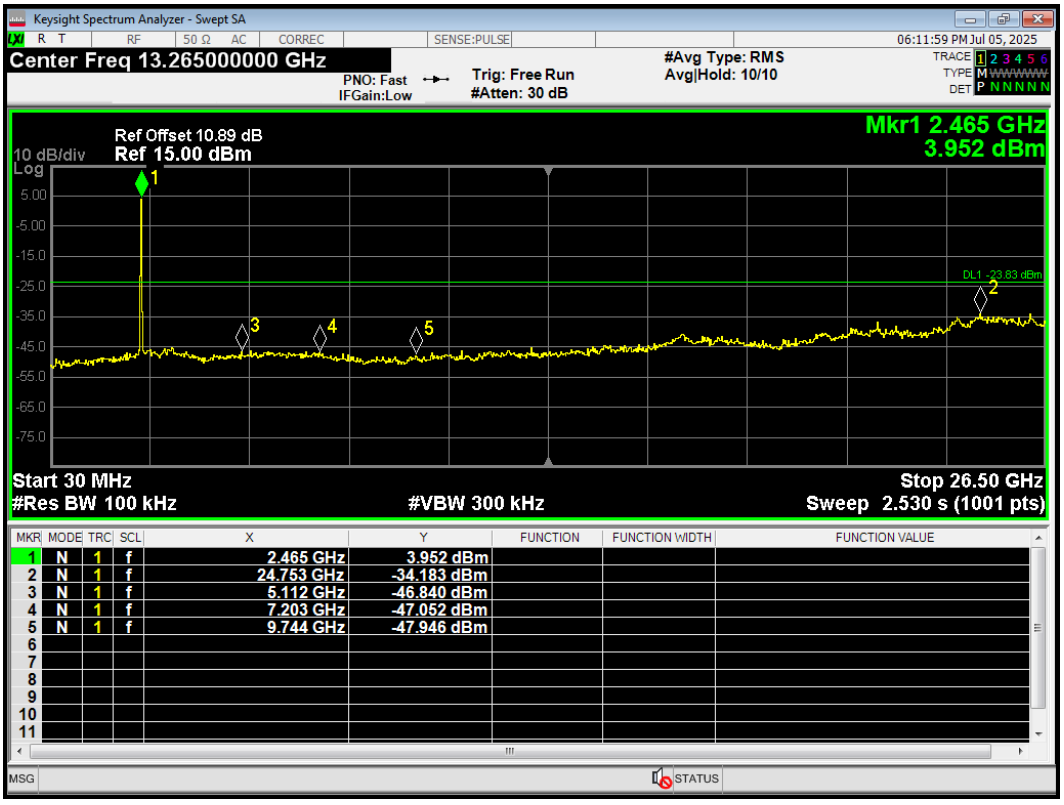
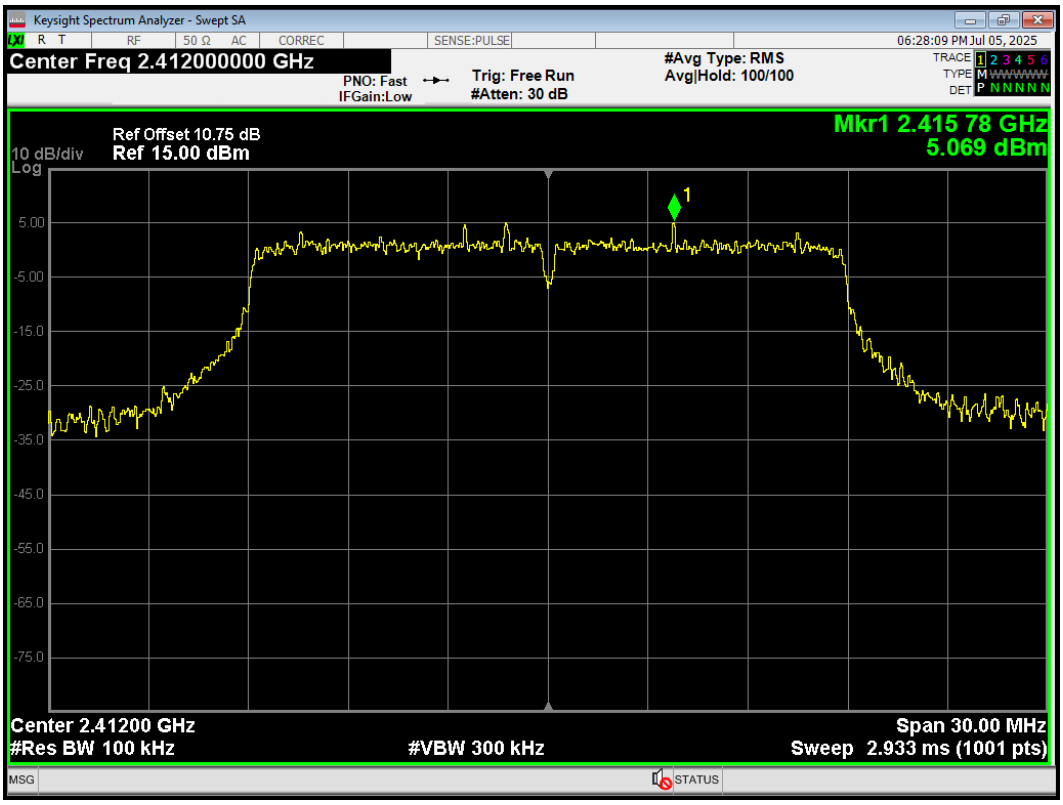


Tx. Spurious 802.11n(HT20) 2412MHz Ref



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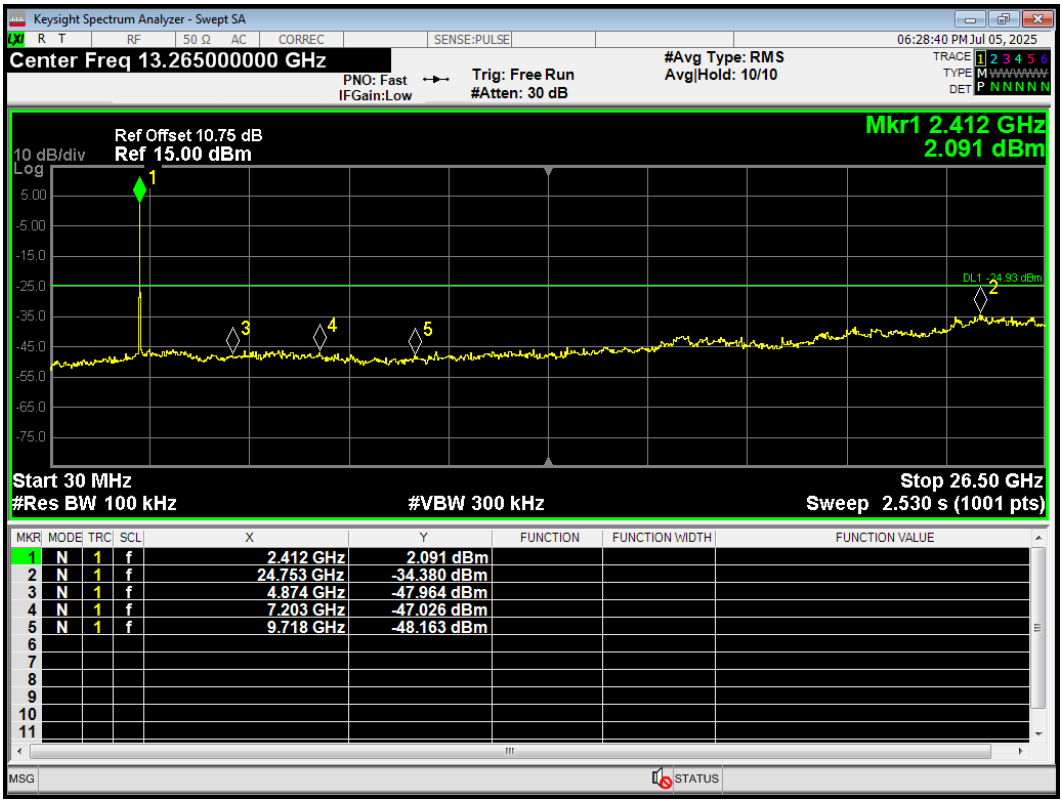

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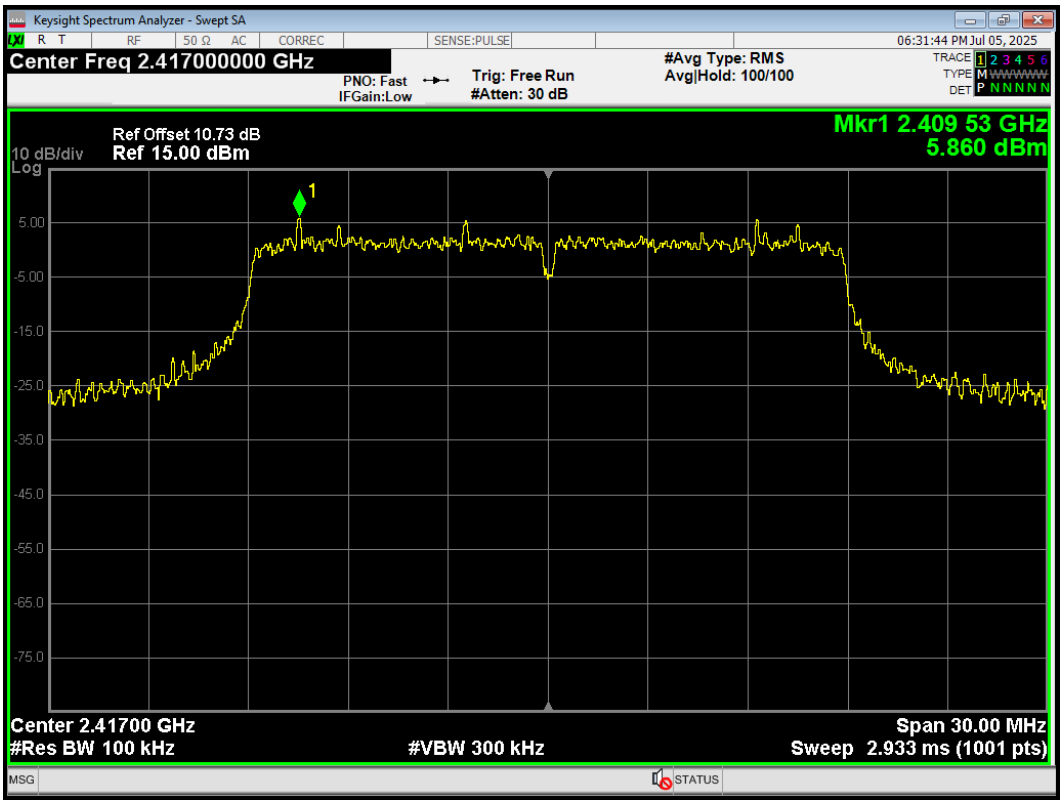

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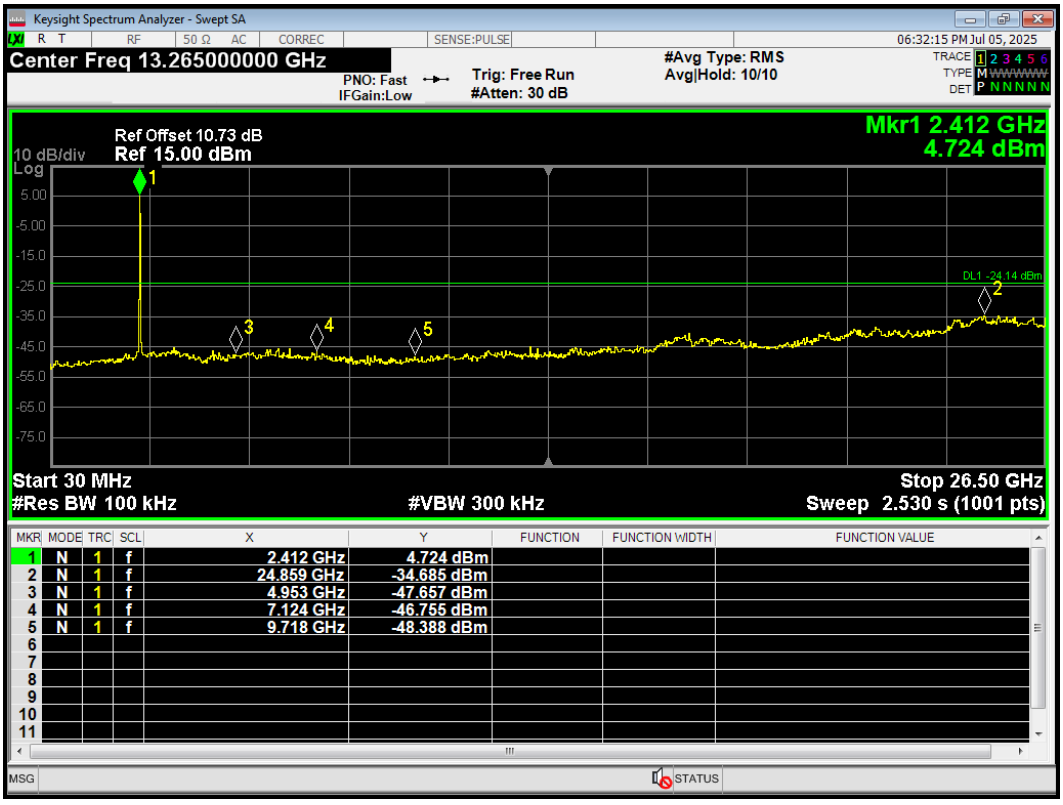

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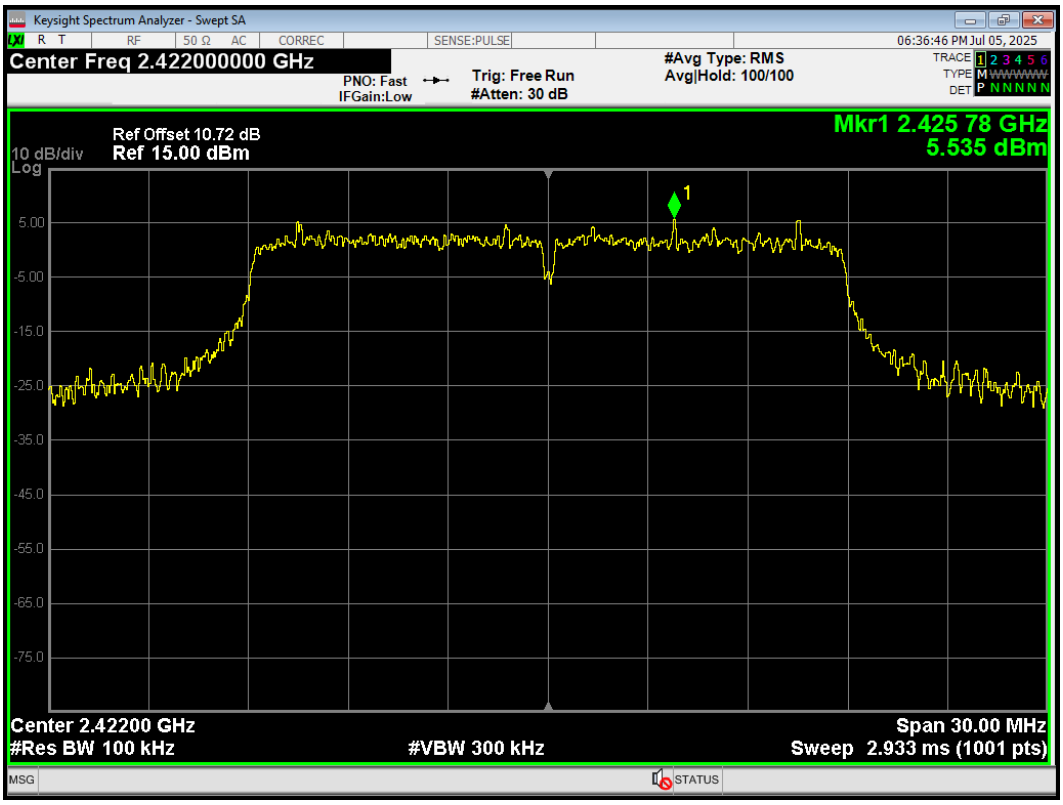

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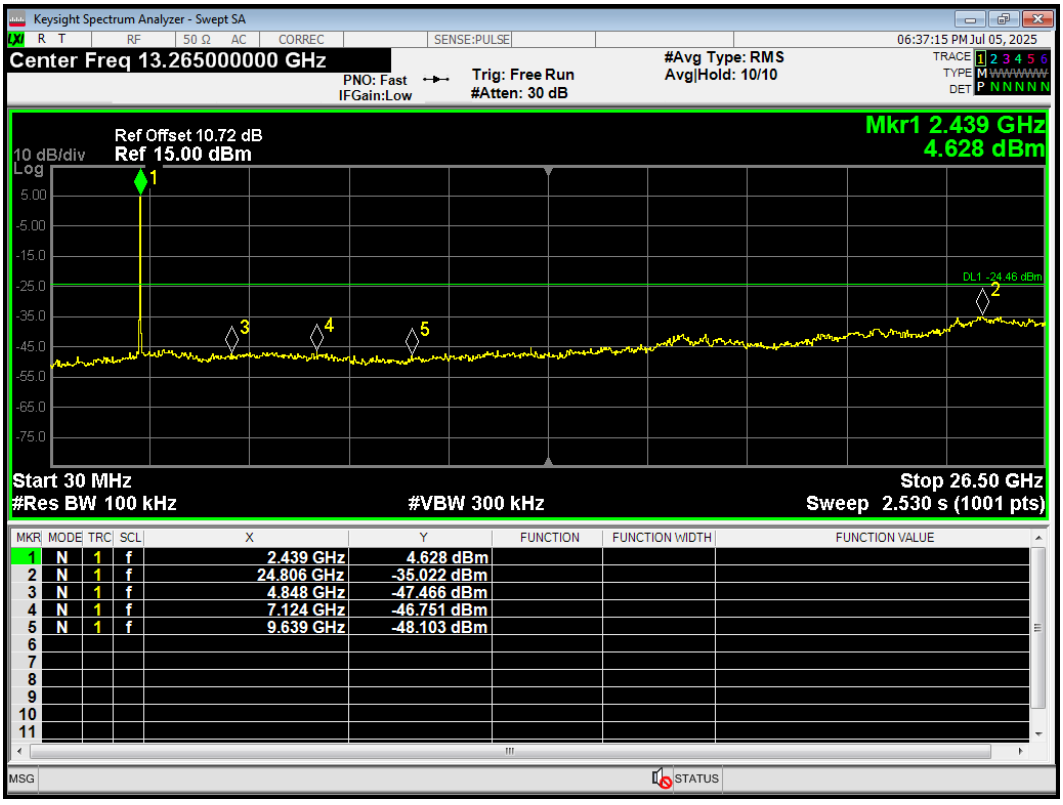
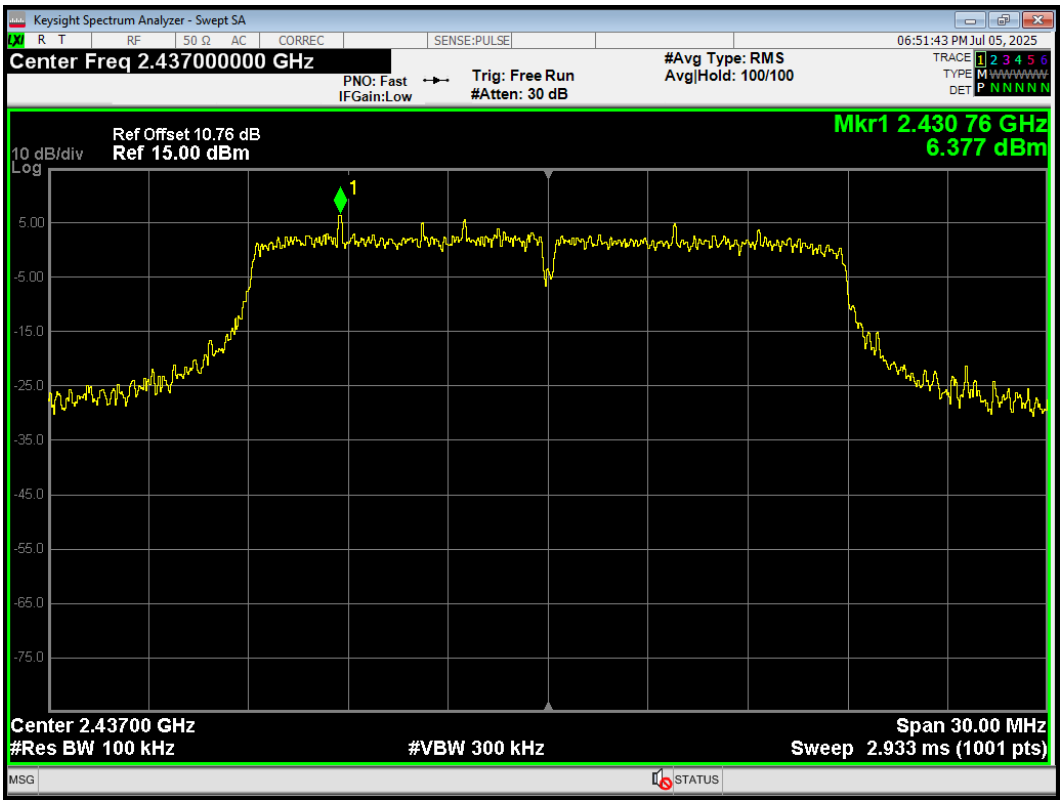
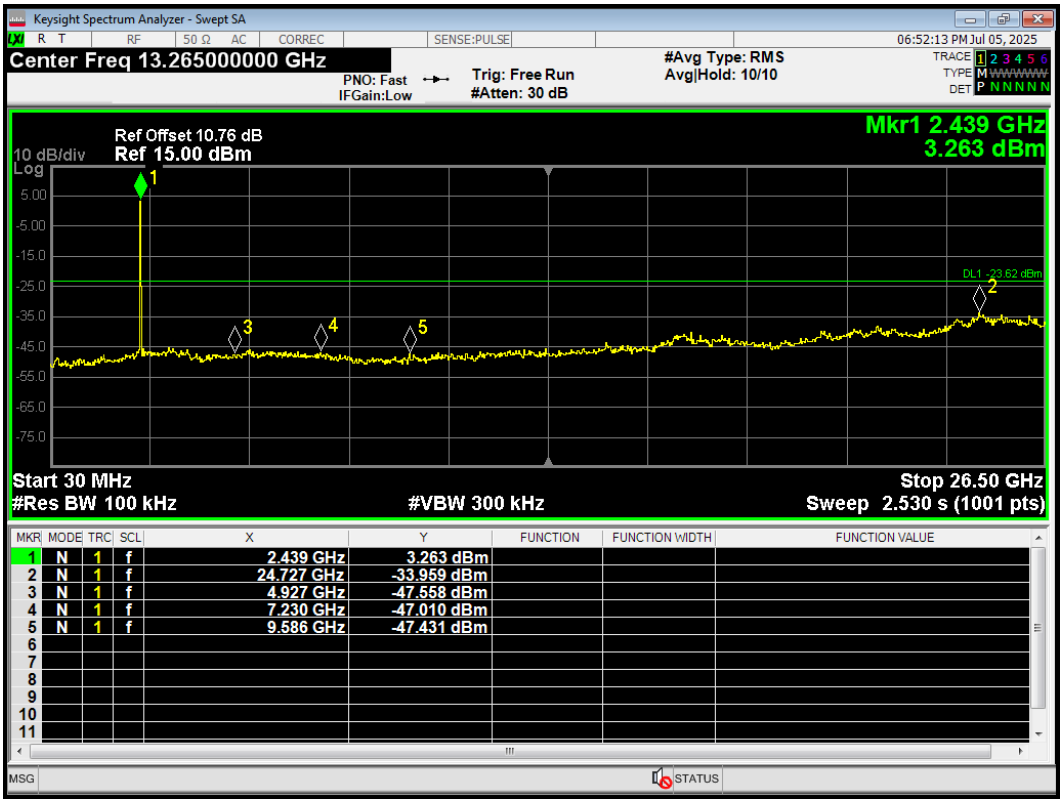


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.439 GHz	4.628 dBm			
2	N	1	f	24.806 GHz	-35.022 dBm			
3	N	1	f	4.848 GHz	-47.466 dBm			
4	N	1	f	7.124 GHz	-46.751 dBm			
5	N	1	f	9.639 GHz	-48.103 dBm			

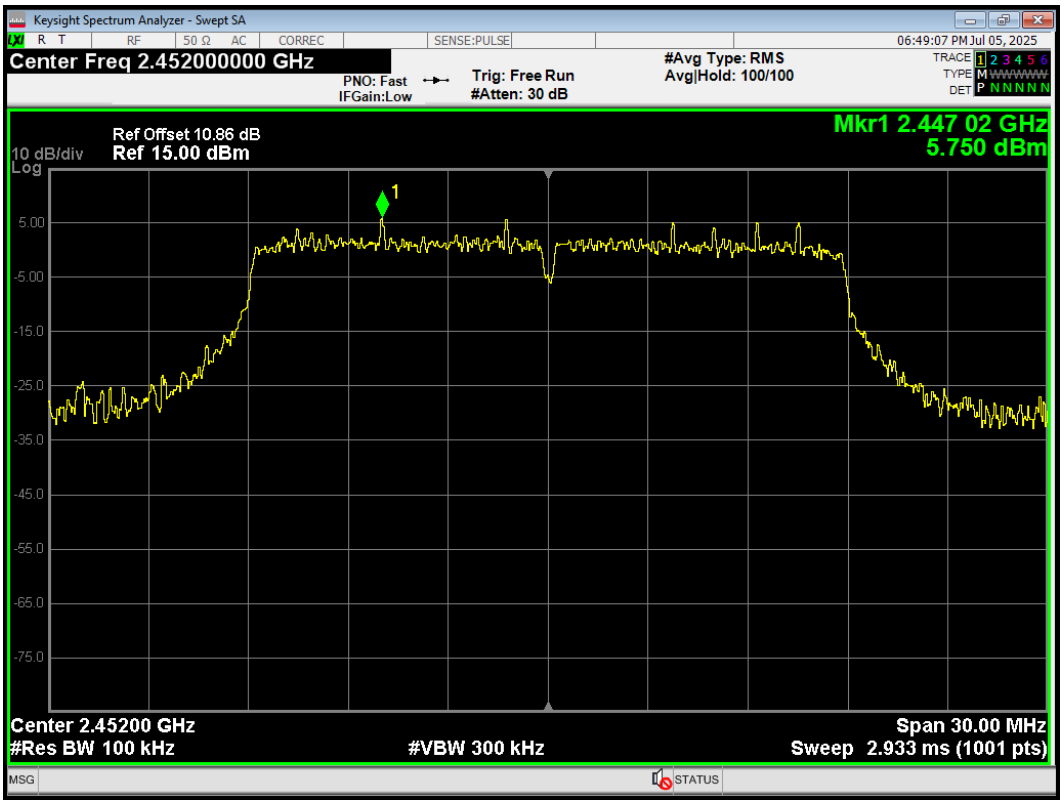
Tx. Spurious 802.11n(HT20) 2437MHz Ref



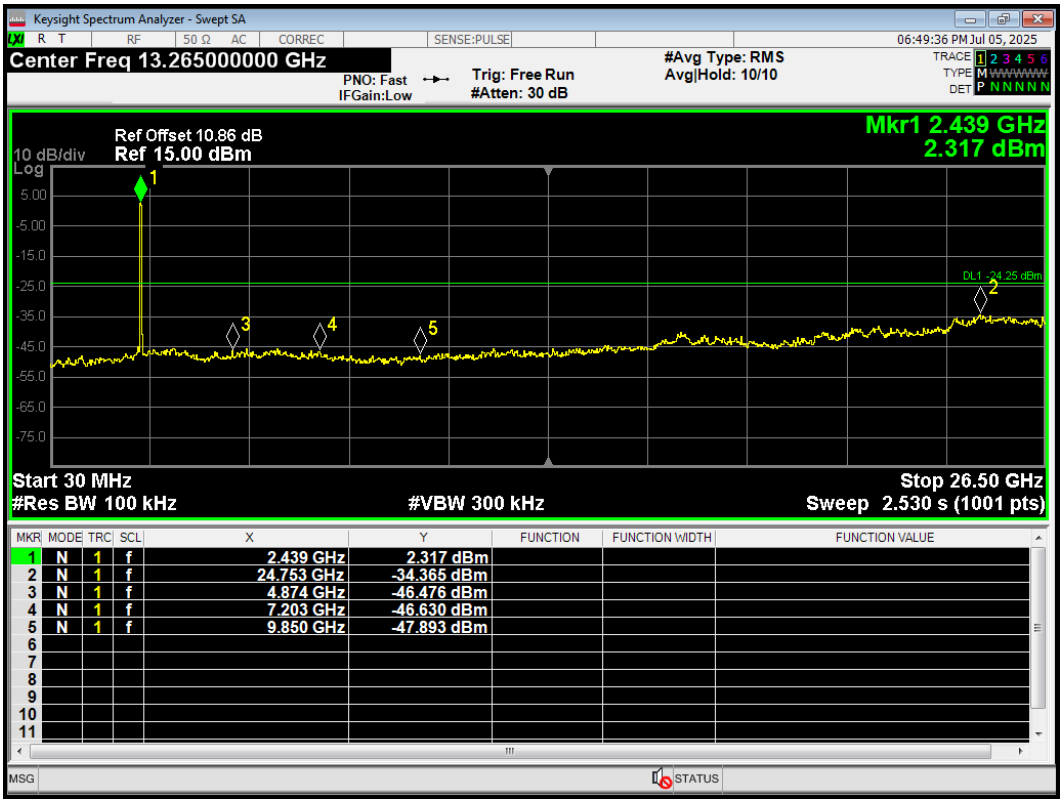
Tx. Spurious 802.11n(HT20) 2437MHz Emission



Tx. Spurious 802.11n(HT20) 2452MHz Ref



Tx. Spurious 802.11n(HT20) 2452MHz Emission



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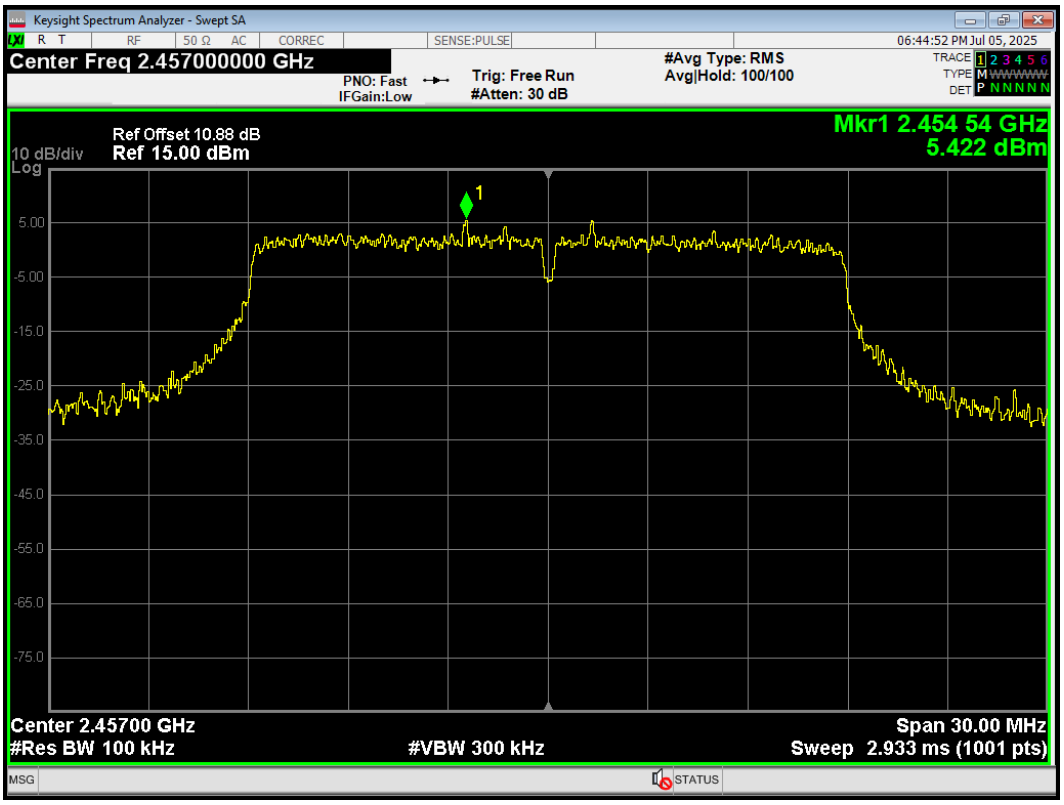

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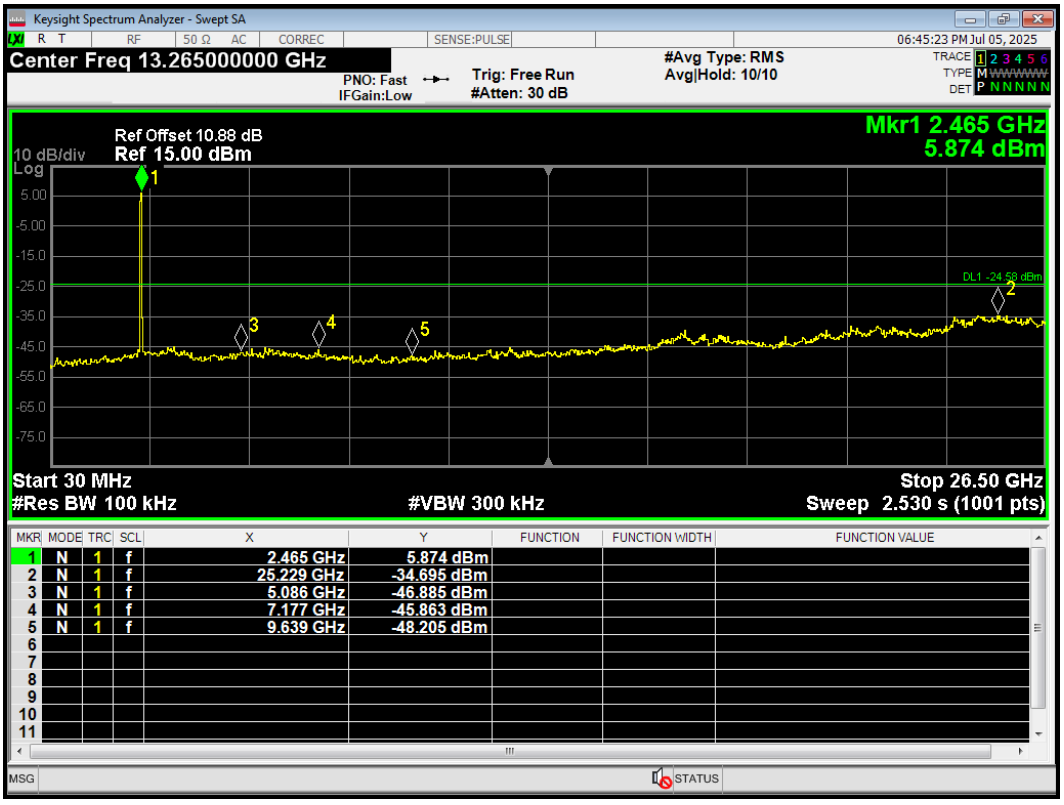

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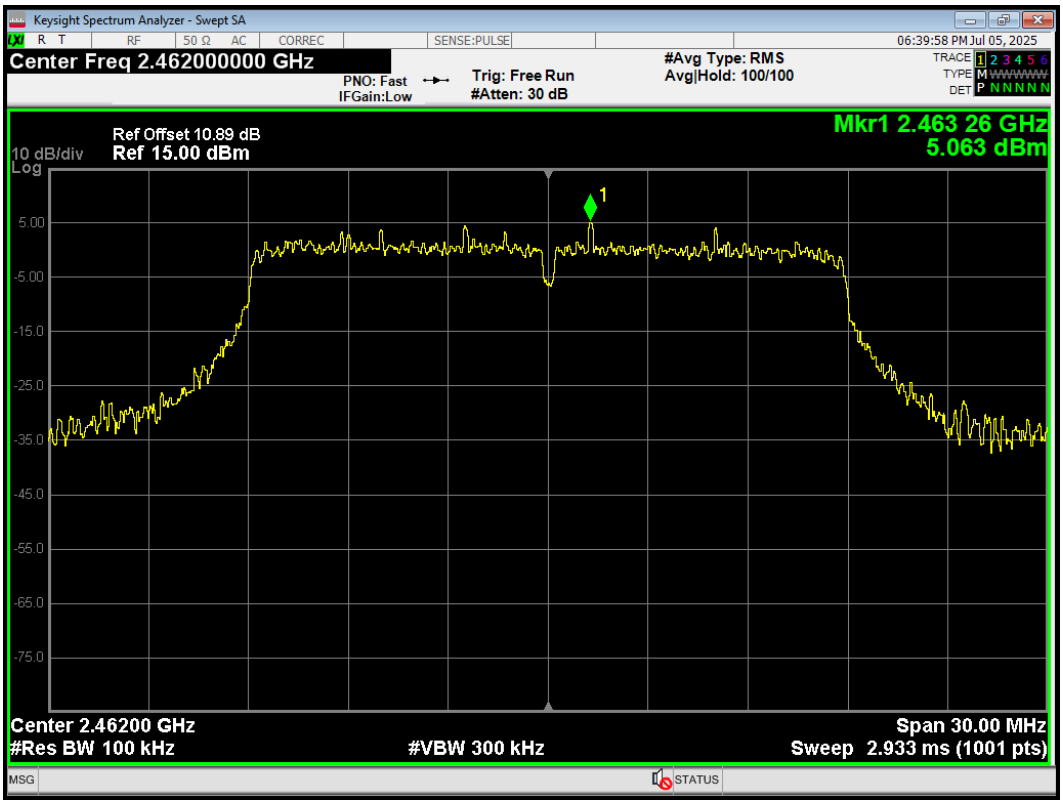

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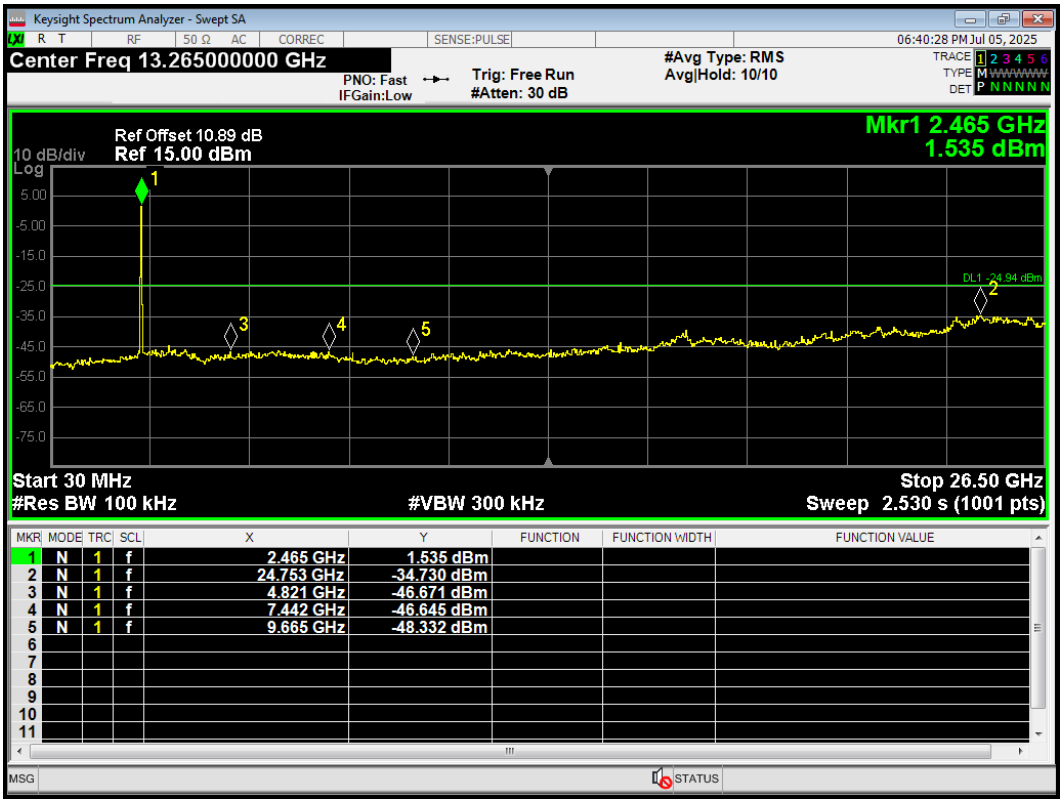
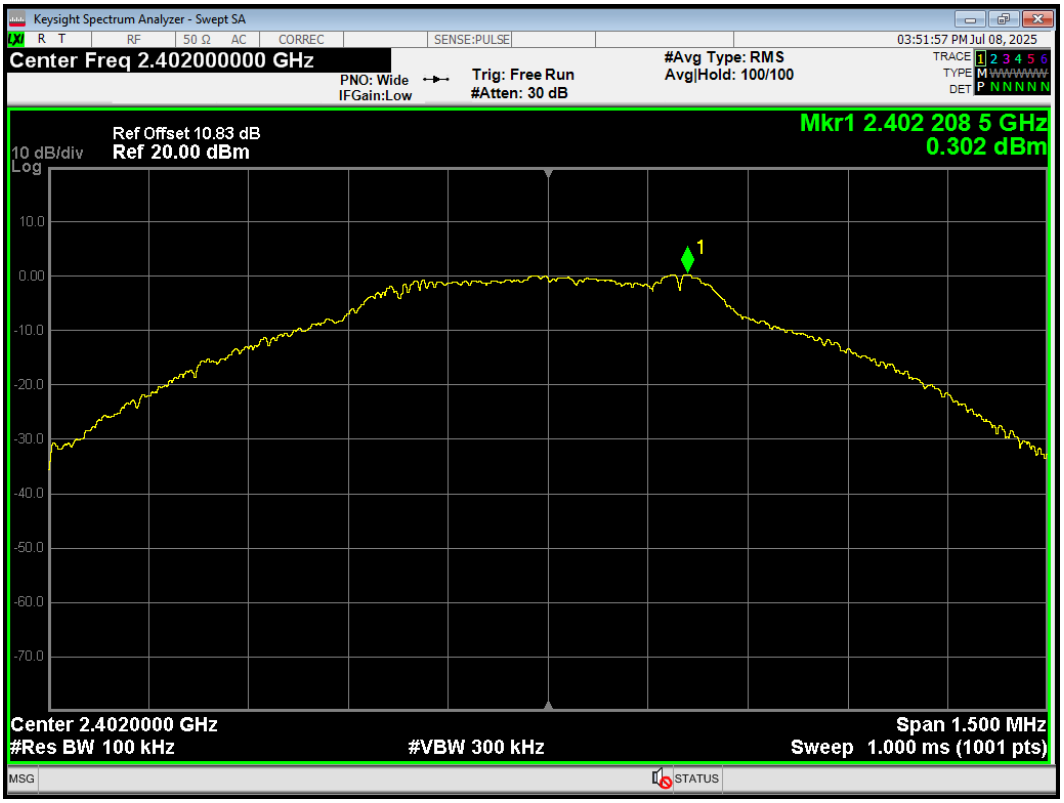


Tx. Spurious BLE 2402MHz Ref



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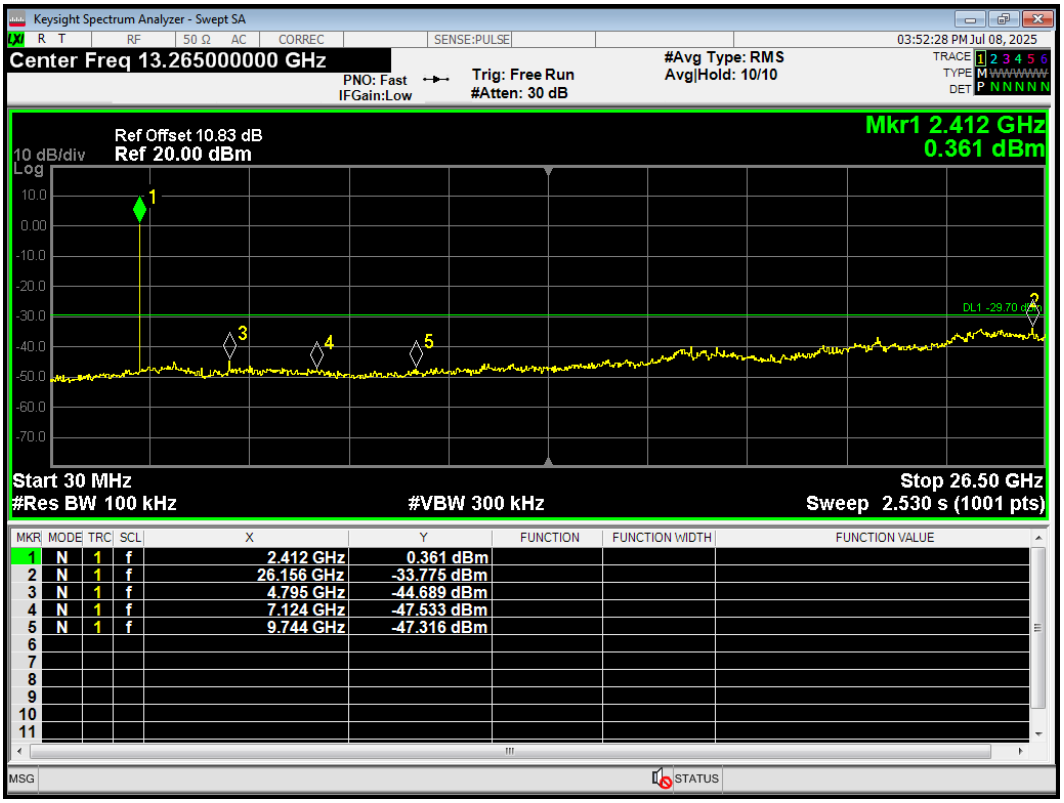
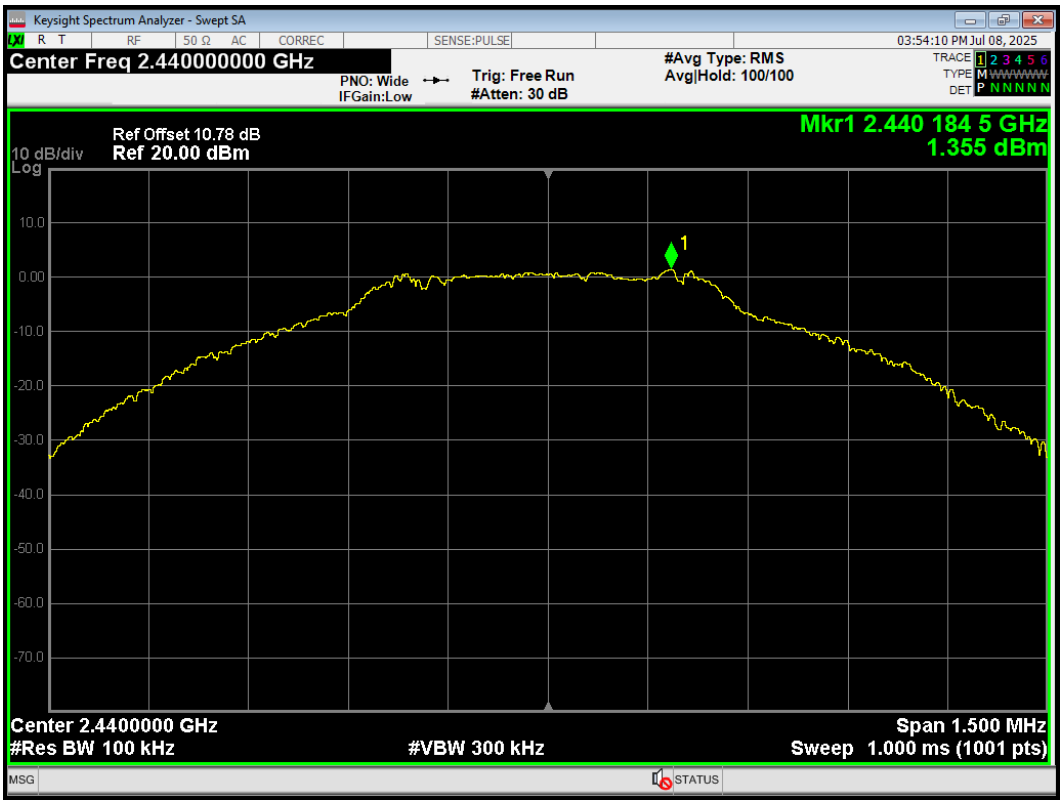
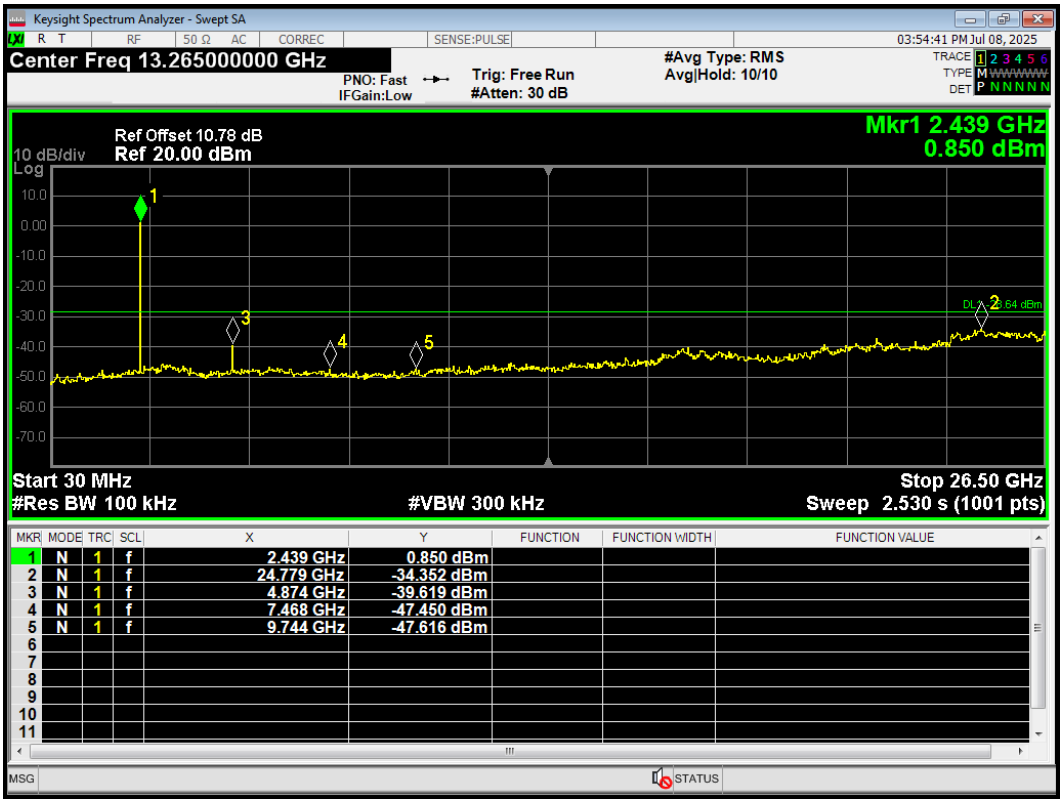


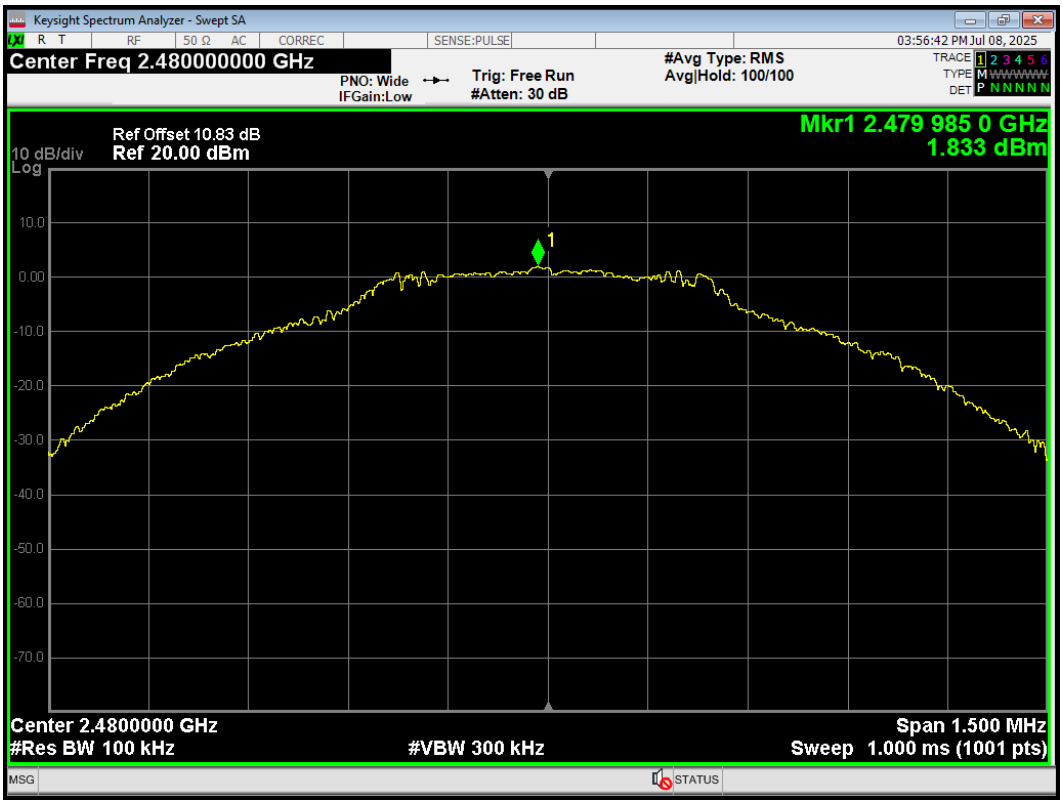
Tx. Spurious BLE 2440MHz Ref



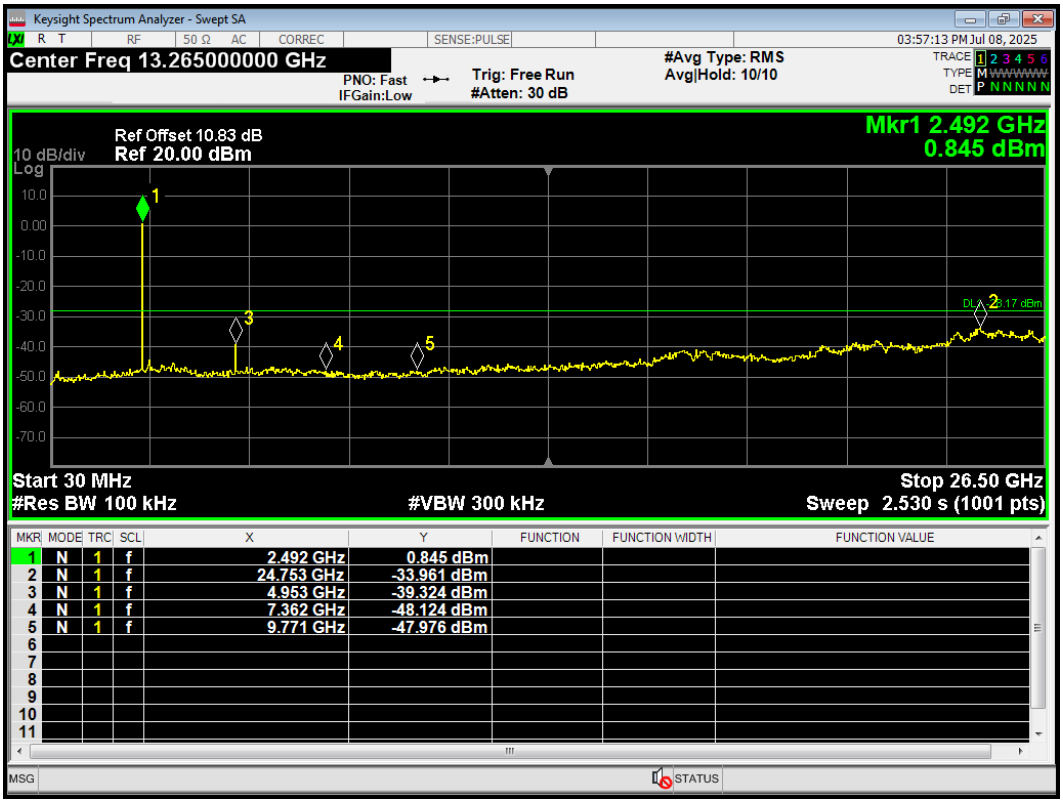
Tx. Spurious BLE 2440MHz Emission



Tx. Spurious BLE 2480MHz Ref



Tx. Spurious BLE 2480MHz Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.492 GHz	0.845 dBm			
2	N	1	f	24.753 GHz	-33.961 dBm			
3	N	1	f	4.953 GHz	-39.324 dBm			
4	N	1	f	7.362 GHz	-48.124 dBm			
5	N	1	f	9.771 GHz	-47.976 dBm			

5.6. Unwanted Emission

Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

Method of Measurement

The test set-up was made in accordance to the general provisions of ANSI C63.10.
The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna.

The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna.The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing. Sweep the Restricted Band and the emissions less than 20 dB below the permissible value are reported.
The radiated emissions measurements were made in a typical installation configuration.
Sweep the whole frequency band through the range from 9 kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

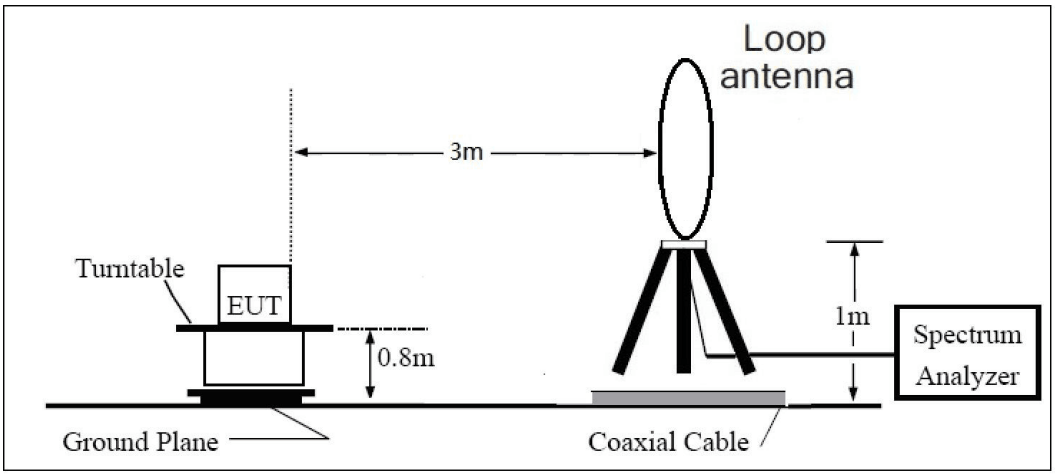
This method refer to ANSI C63.10.
The procedure for peak unwanted emissions measurements above 1000 MHz is as follows:
Set the spectrum analyzer in the following:
9kHz~150 kHz
RBW=200Hz, VBW=1kHz/ Sweep=AUTO
150 kHz~30MHz
RBW=9kHz, VBW=30kHz,/ Sweep=AUTO
Below 1GHz
RBW=100kHz / VBW=300kHz / Sweep=AUTO
a) Peak emission levels are measured by setting the instrument as follows:
Above 1GHz
PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO
b) Average emission levels are measured by setting the instrument as follows:
Above 1GHz
AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO
c) Detector: The measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage

averaging. Log or dB averaging shall not be used.)
e) Sweep time = auto.
f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of 1 / D, where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)
g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
1) If power averaging (rms) mode was used in the preceding step e), then the correction factor is [10 log (1 / D)], where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.
2) If linear voltage averaging mode was used in the preceding step e), then the correction factor is [20 log (1 / D)], where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB shall be added to the measured emission levels.
3) If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

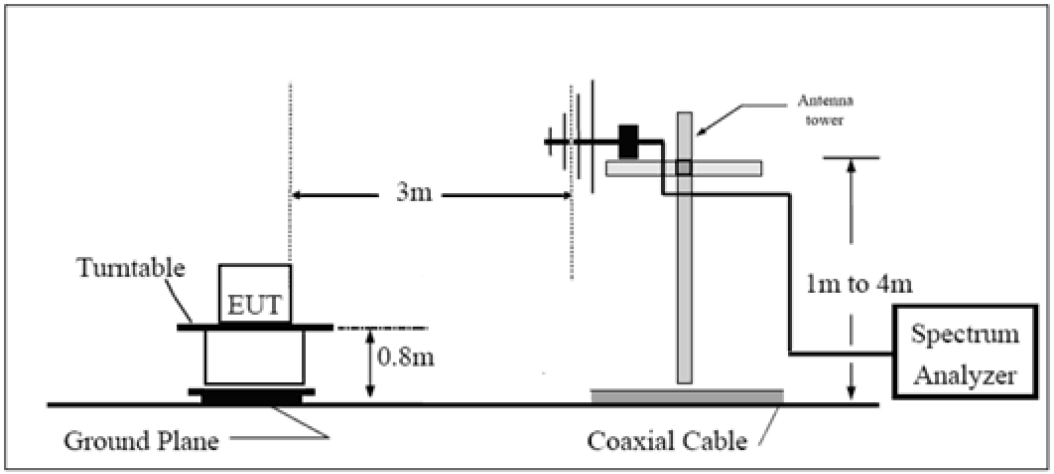
The test is in transmitting mode.

Test Setup

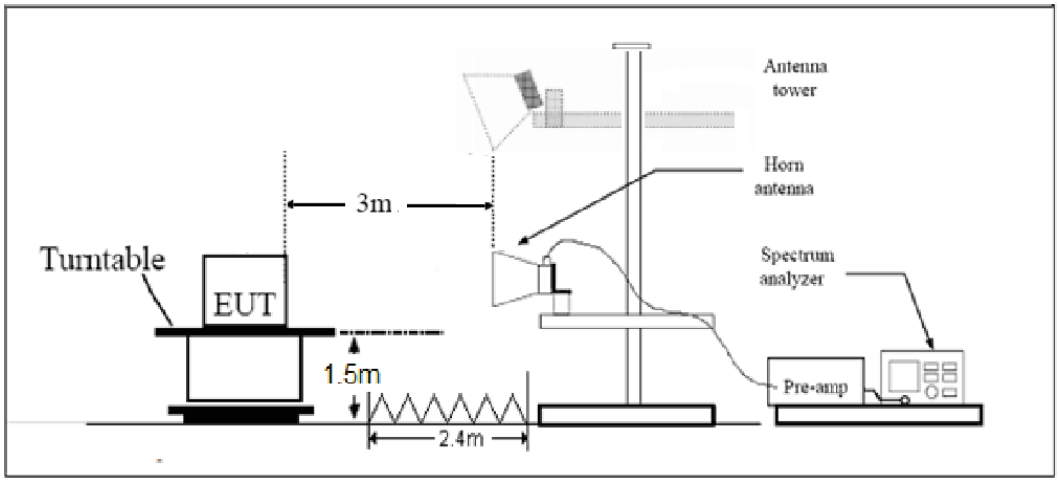
9kHz~ 30MHz



30MHz~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

Limits

Rule Part 15.247(d) specifies that “In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).”

Limit in restricted band

Frequency of emission (MHz)	Field strength(μV/m)	Field strength(dBμV/m)
0.009–0.490	2400/F(kHz)	/
0.490–1.705	24000/F(kHz)	/
1.705–30.0	30	/
30-88	100	40
88-216	150	43.5
216-960	200	46
Above960	500	54

§15.35(b)

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

Peak Limit=74 dBμV/m

Average Limit=54 dBμV/m

Spurious Radiated Emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1] 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor *k* = 1.96.

Frequency	Uncertainty
9kHz-30MHz	3.55 dB
30MHz-200MHz	4.17 dB
200MHz-1GHz	4.84 dB
1-18GHz	4.35 dB
18-26.5GHz	5.90 dB
26.5GHz~40GHz	5.92 dB

Test Results:

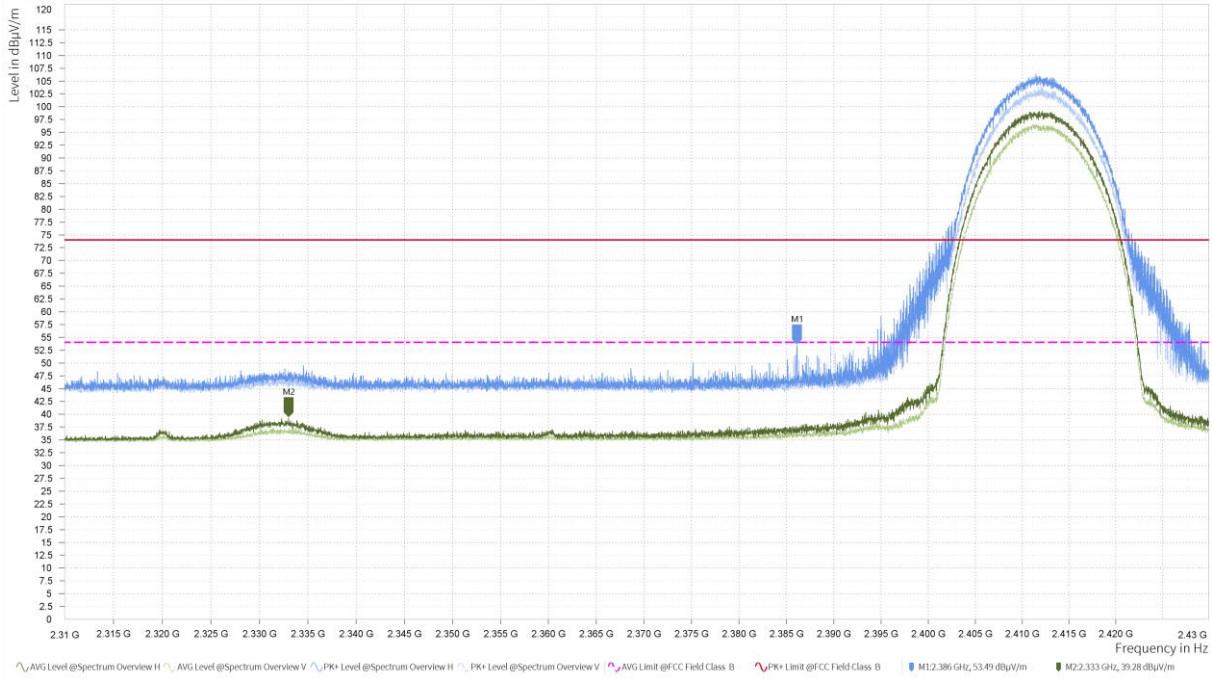
Test Results:

The following graphs display the maximum values of horizontal and vertical by software.
Blue trace uses the peak detection, Green trace uses the average detection.

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (Y axis for Wi-Fi 2.4GHz; X axis for Bluetooth LE) and the loop antenna is vertical, the others are vertical and horizontal. and the worst case was recorded.

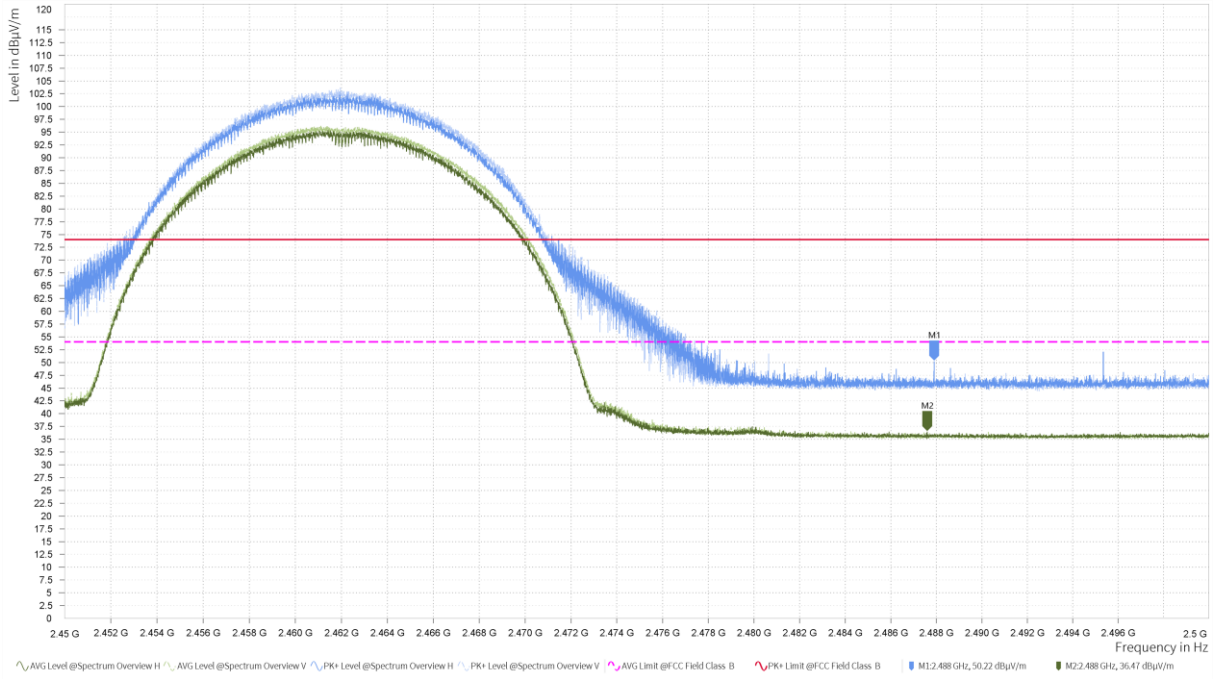
The signal beyond the limit is carrier.

Spectrum Overview H/V

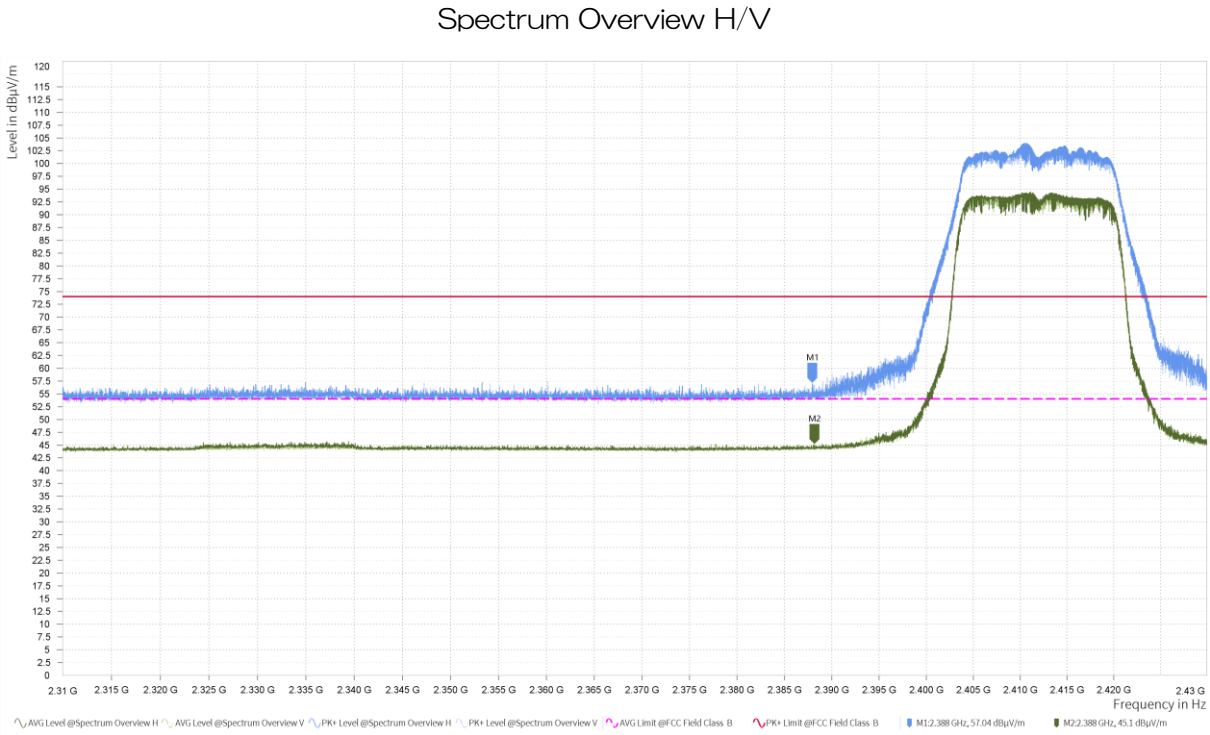


2.4G Wi-Fi _b CH1_11M_Y

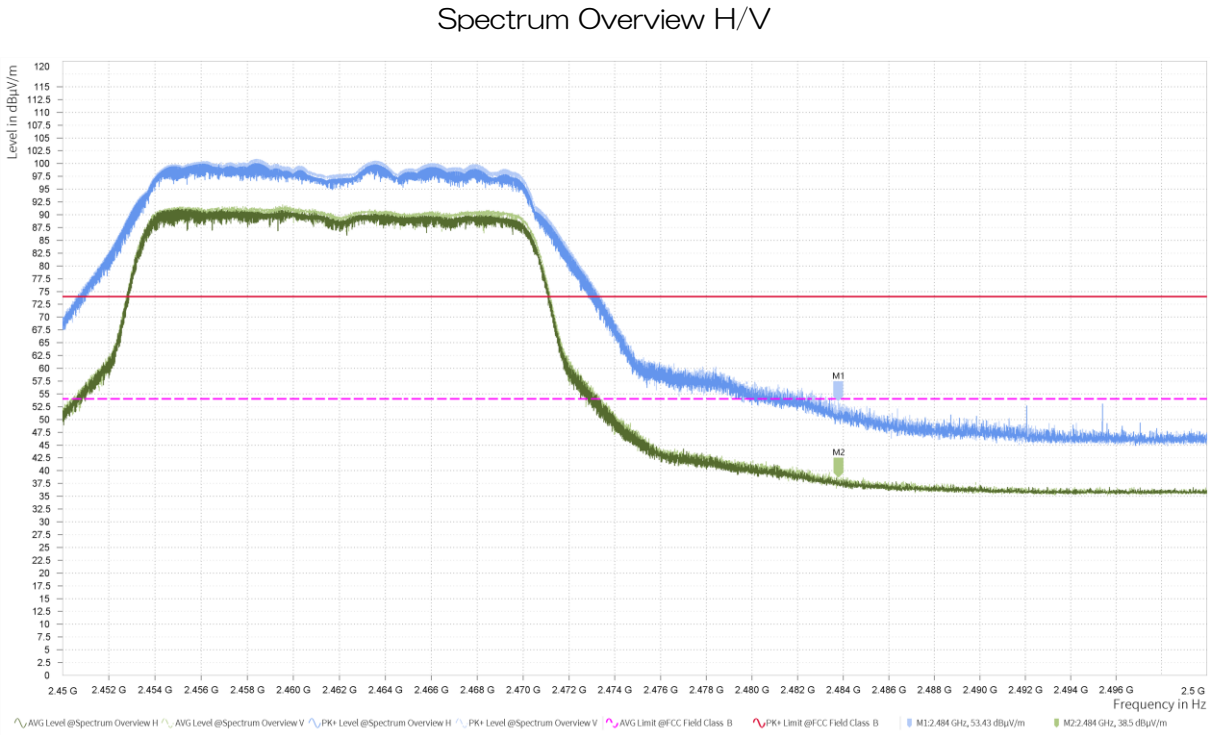
Spectrum Overview H/V



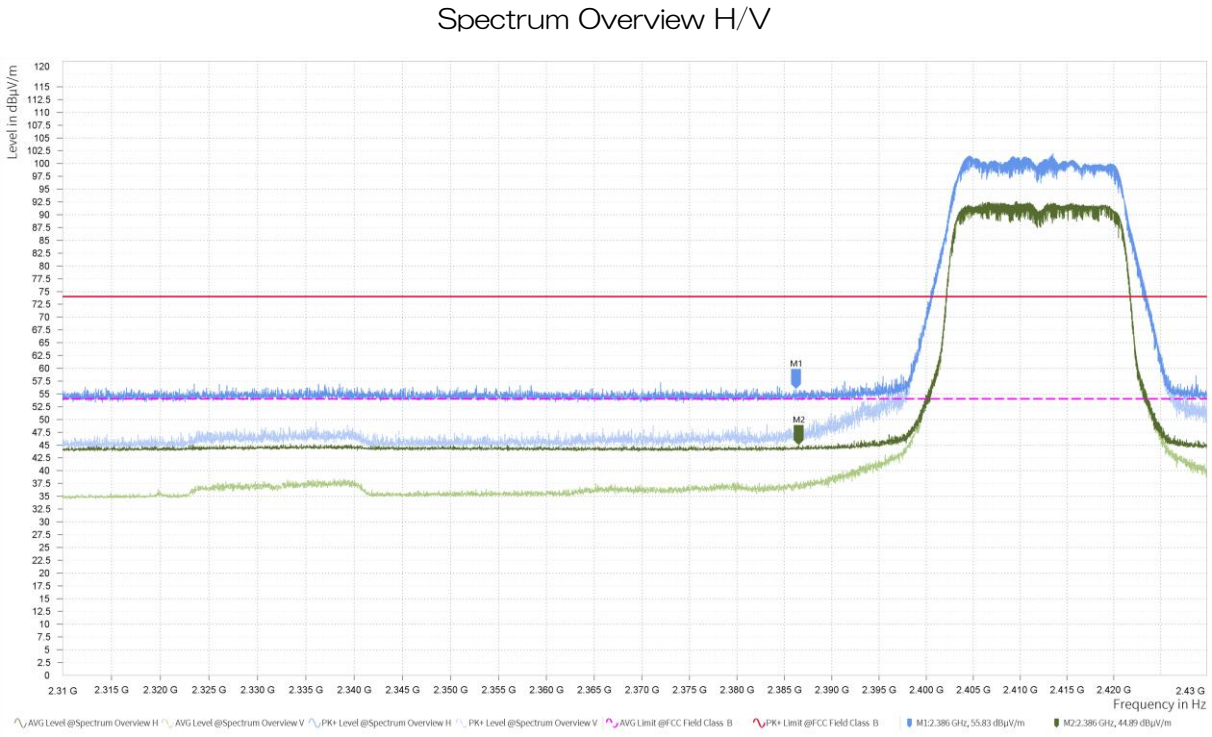
2.4G Wi-Fi _b CH11_11M_Y



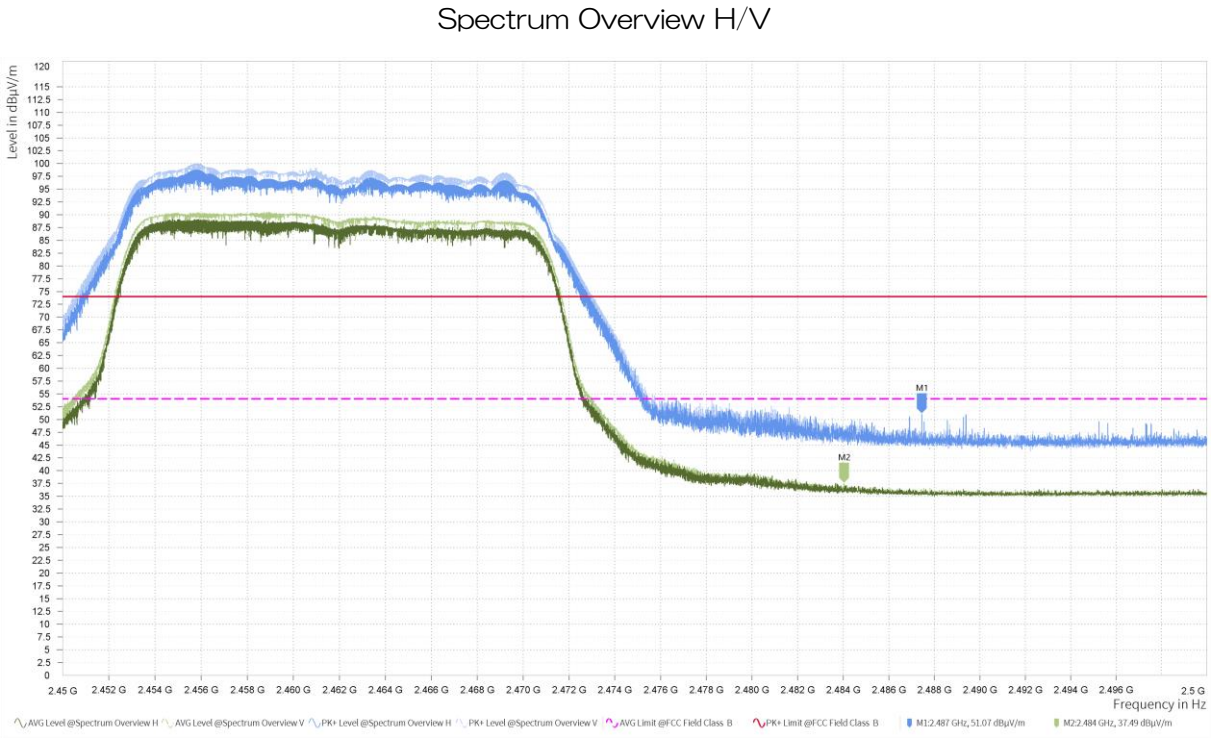
2.4G Wi-Fi _g CH1_54M_Y



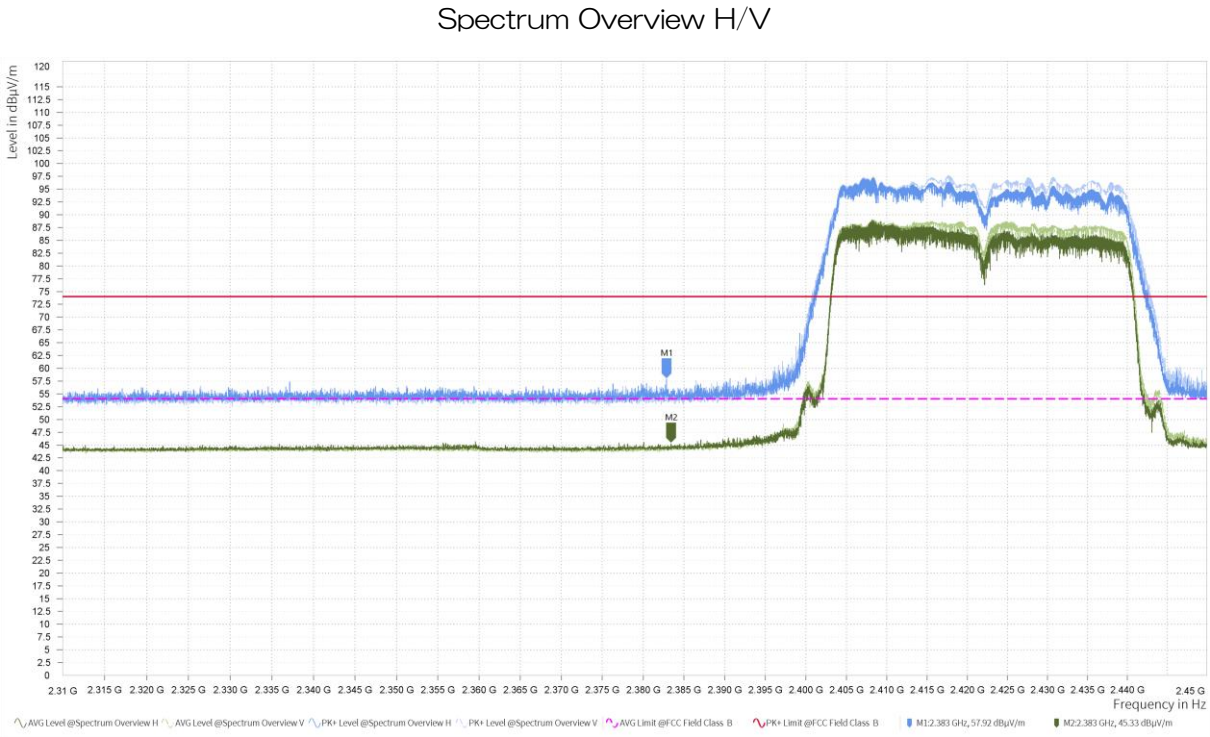
2.4G Wi-Fi _g CH11_54M_Y



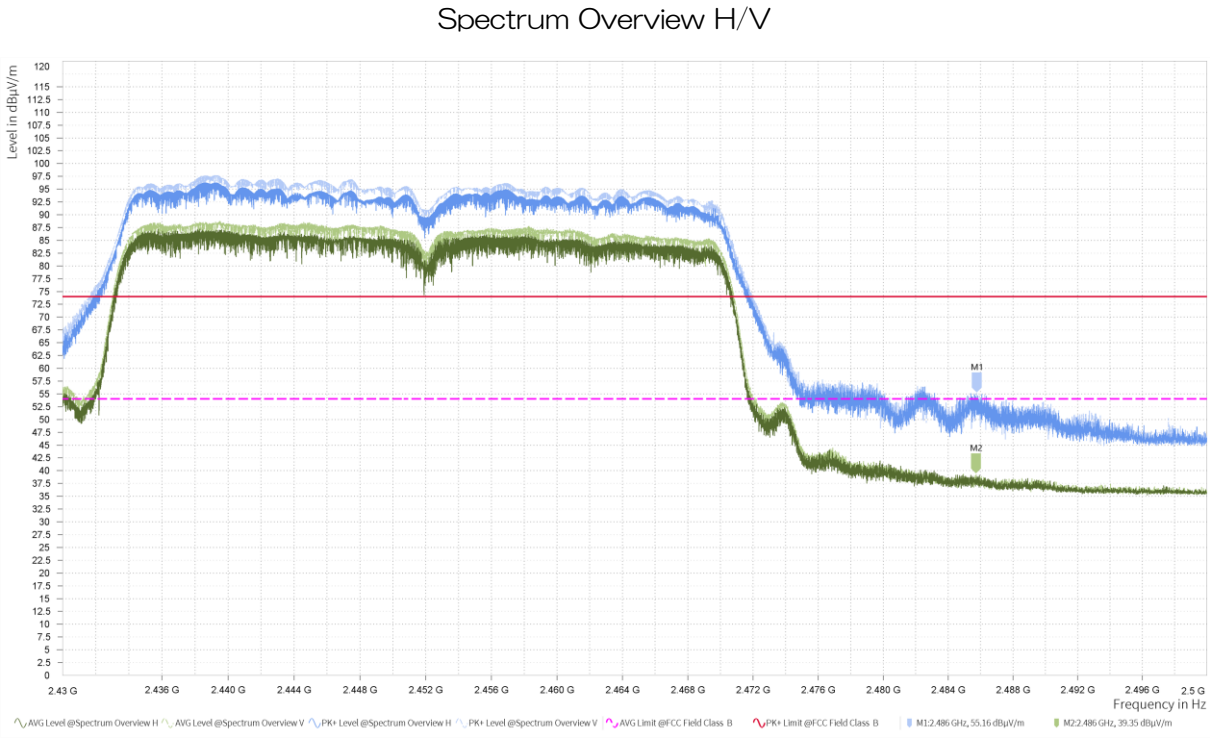
2.4G Wi-Fi_n(20) CH1_MCS7_Y



2.4G Wi-Fi _n(20) CH11_MCS7_Y

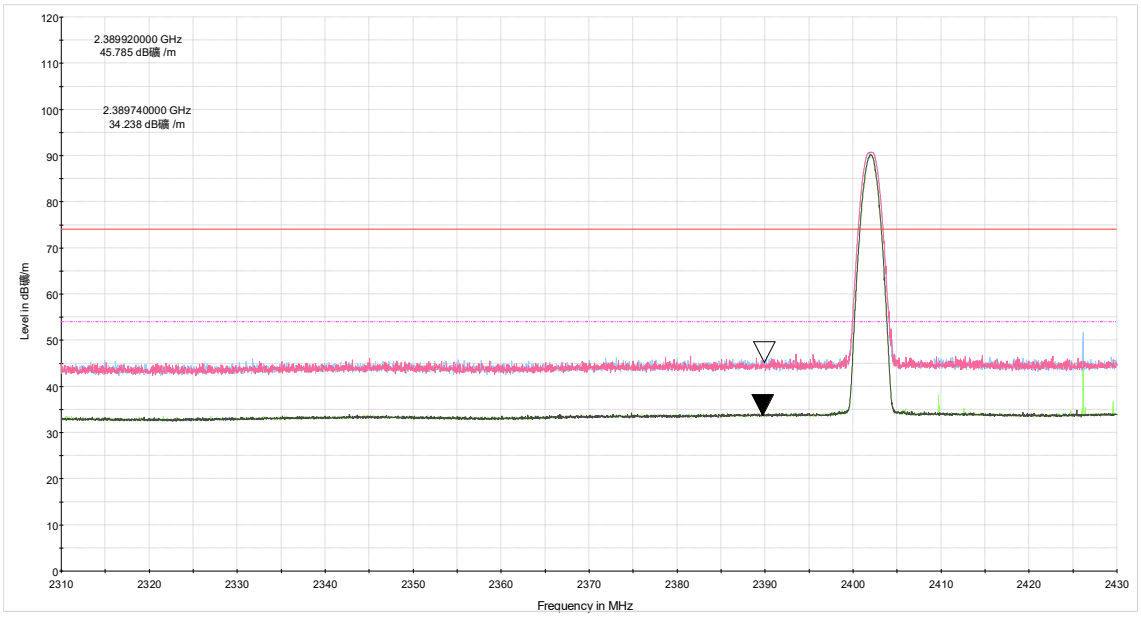


2.4G Wi-Fi _n(40) CH3_MCS7_Y



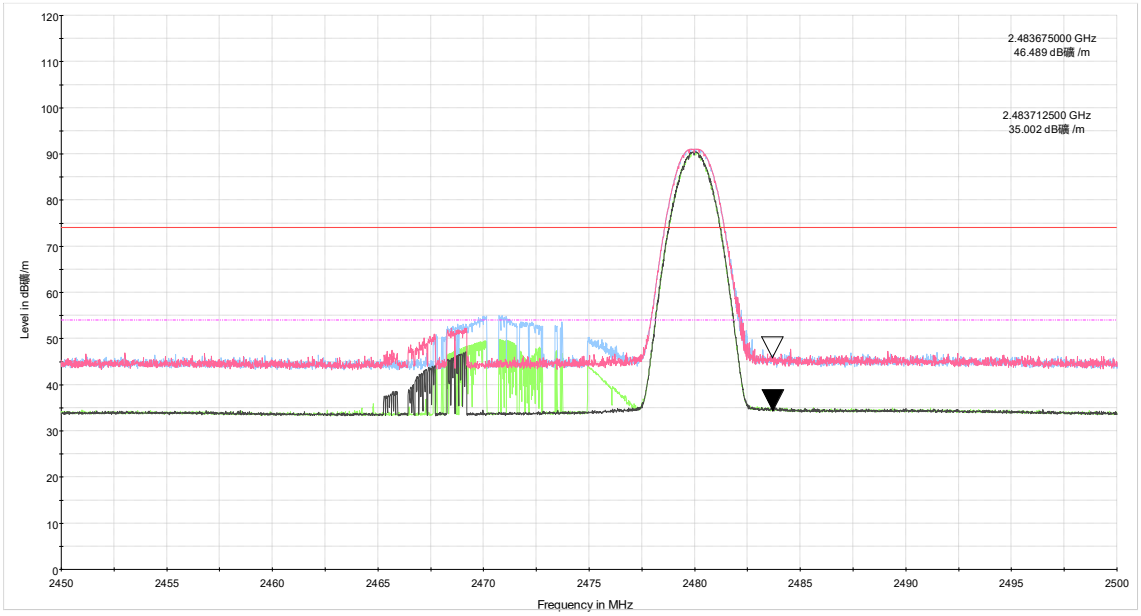
2.4G Wi-Fi _n(40) CH9_MCS7_Y

A symbol (dB礦/m) in the test plot below means (dBμV/m)



BLE CH00_2.31-2.43GHz_X

A symbol (dB礦/m) in the test plot below means (dBμV/m)



BLE CH39_2.31-2.43GHz_X

Result of RE

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier. The Radiates Emission from 18GHz to 26.5GHz are more than 20dB below the limit are not reported.

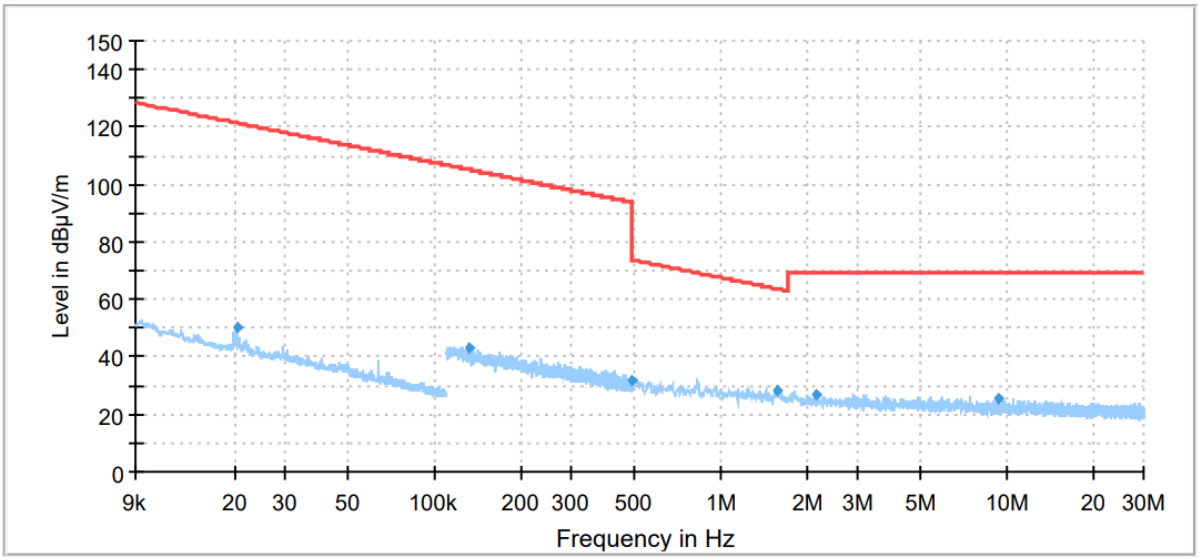
Remark:

1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit – Quasi-Peak/ MAX Peak/ Average**
3. **The following graphs display the maximum values of horizontal and vertical by software.**

Continuous TX mode:

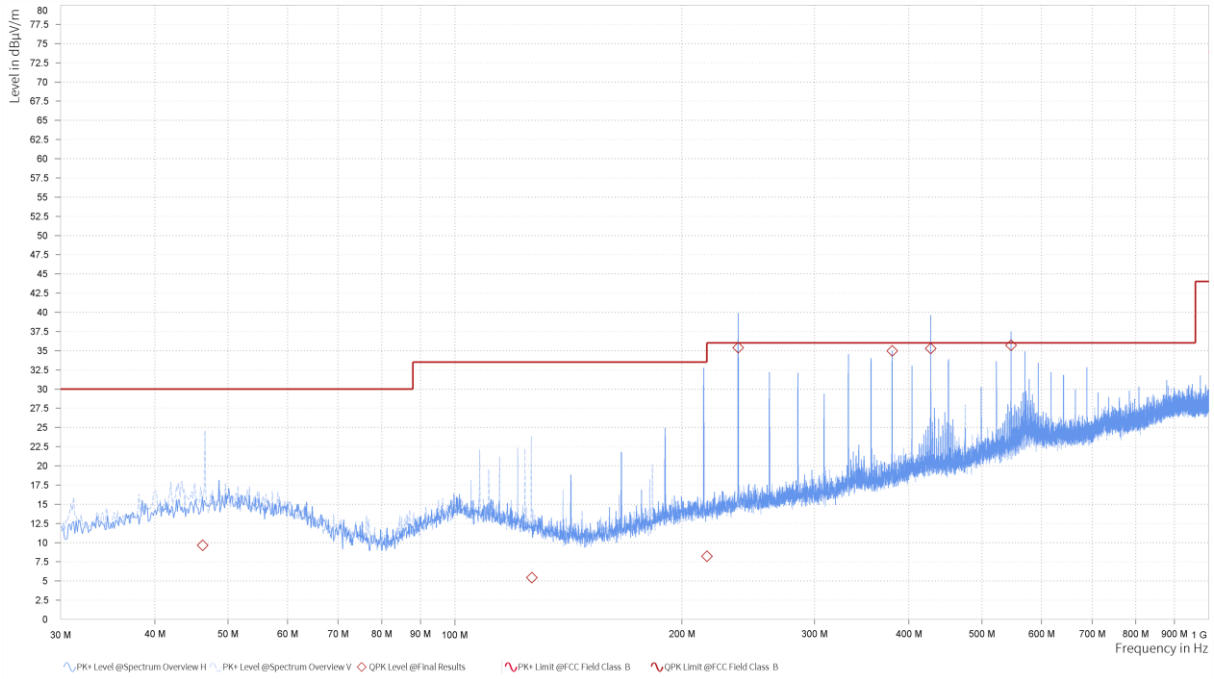
Wi-Fi 2.4GHz

During the test, the Radiates Emission from 9kHz to 1GHz was performed in all modes with all channels, the test data of the worst-case condition was recorded in this report.



Radiates Emission from 9kHz to 30MHz

Spectrum Overview H/V

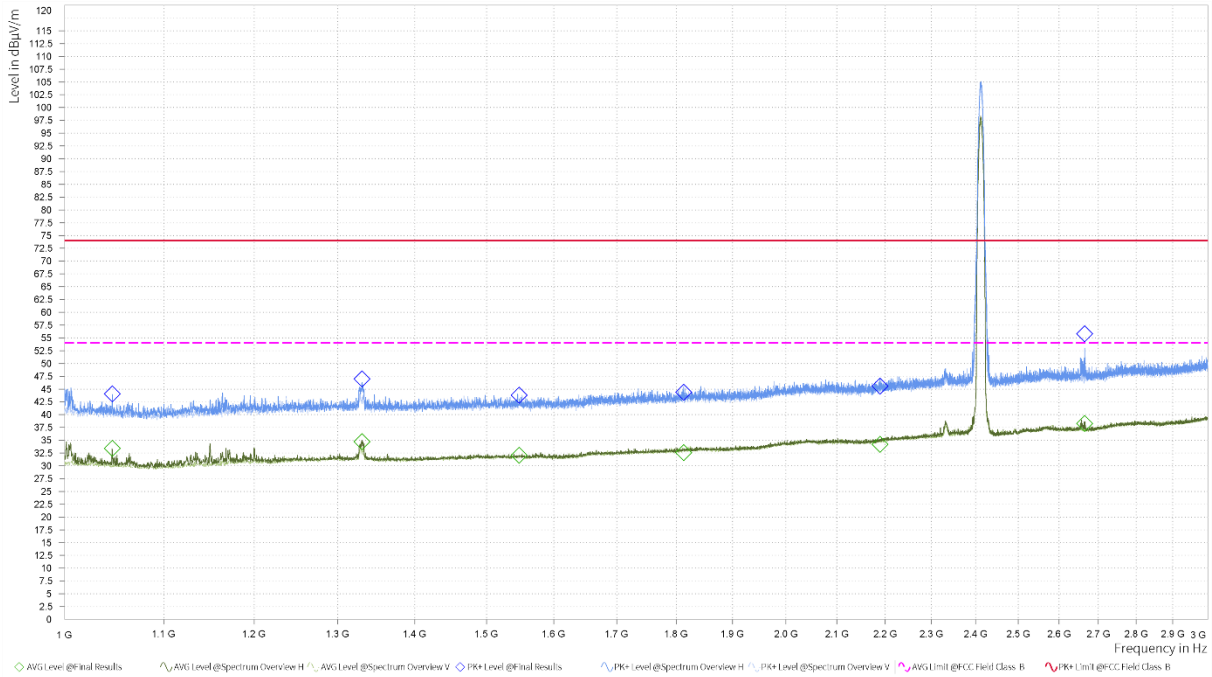


Frequency [MHz]	QPK Level [dBµV/m]	QPK Limit [dBµV/m]	QPK Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
46.287	9.65	30.00	20.35	-8.76	V	202.5	1.02	120.000	1.000
126.477	5.43	33.50	28.07	-12.10	V	320.8	1.95	120.000	1.000
216.012	8.21	36.00	27.79	-9.64	V	138.4	1.20	120.000	1.000
237.592	35.37	36.00	0.63	-8.73	H	90.8	2.25	120.000	1.000
380.158	34.95	36.00	1.05	-5.37	H	201.5	1.79	120.000	1.000
427.664	35.26	36.00	0.74	-4.17	H	227.2	2.23	120.000	1.000
546.489	35.67	36.00	0.33	-2.30	H	136	2.08	120.000	1.000

Radiates Emission from 30MHz to 1GHz

802.11b CH1

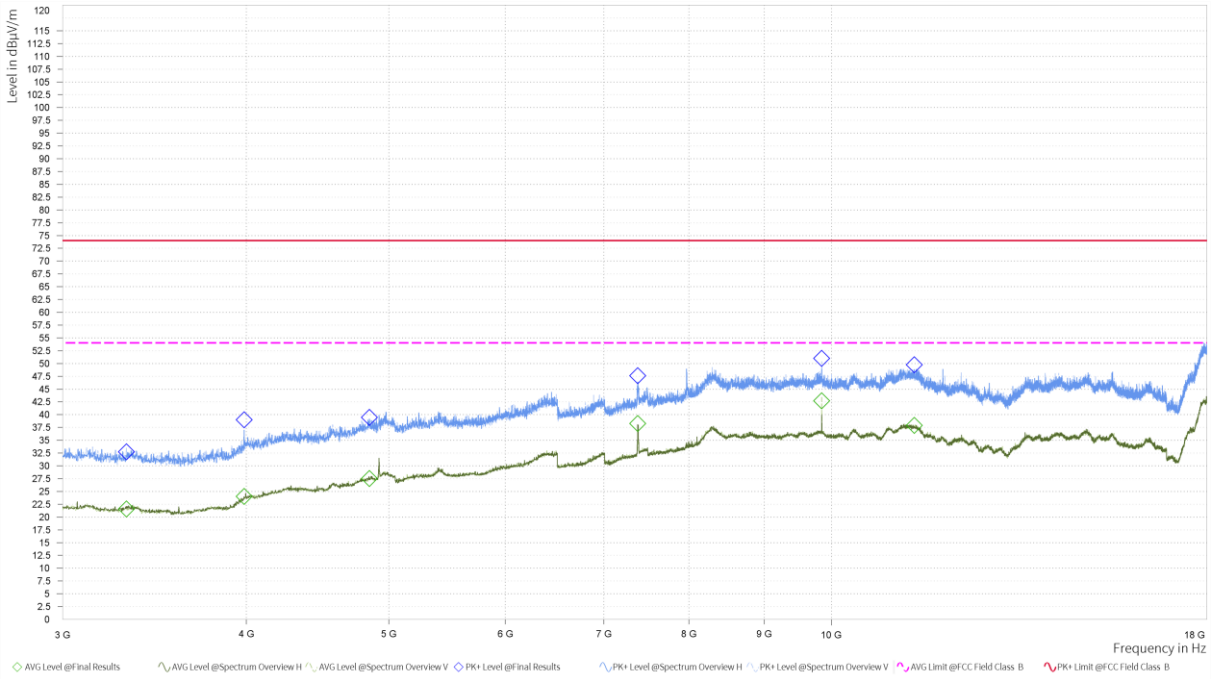
Spectrum Overview H/V



Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,047.000	44.02	74.00	29.98	33.38	54.00	20.62	-5.76	H	54.7	2.00	1.000
1,330.750	46.93	74.00	27.07	34.72	54.00	19.28	-4.26	H	13.4	2.00	1.000
1,547.750	43.75	74.00	30.25	32.05	54.00	21.95	-3.82	H	73.1	1.00	1.000
1,812.750	44.33	74.00	29.67	32.55	54.00	21.45	-3.36	H	114	1.00	1.000
2,189.500	45.55	74.00	28.45	34.19	54.00	19.81	-1.35	H	148.4	1.00	1.000
2,664.750	55.78	74.00	18.22	38.26	54.00	15.74	0.40	H	280.1	2.00	1.000

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

Spectrum Overview H/V

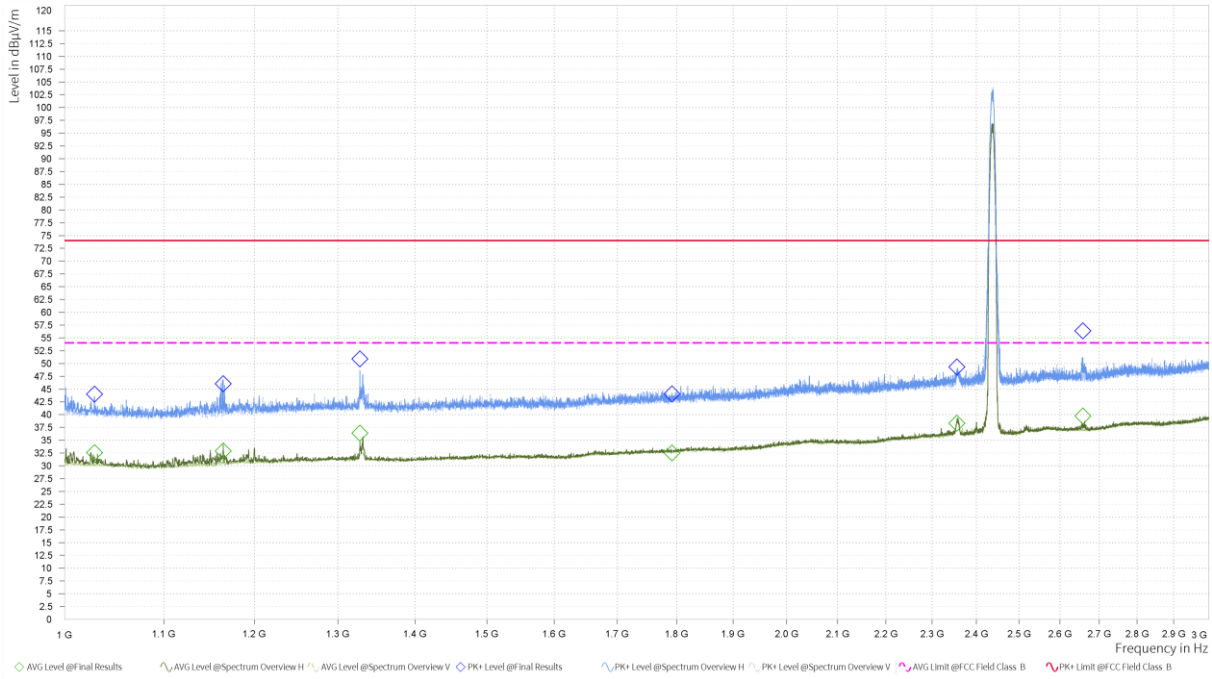


Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,315.000	32.72	74.00	41.28	21.52	54.00	32.48	-7.53	V	135.7	1.00	1.000
3,986.250	38.96	74.00	35.04	23.98	54.00	30.02	-5.69	H	115.9	1.00	1.000
4,850.625	39.47	74.00	34.53	27.48	54.00	26.52	-1.63	H	52.8	1.00	1.000
7,383.750	47.57	74.00	26.43	38.27	54.00	15.73	1.20	H	174.5	2.00	1.000
9,847.500	51.00	74.00	23.00	42.67	54.00	11.33	5.79	V	127.8	1.00	1.000
11,385.000	49.72	74.00	24.28	37.86	54.00	16.14	7.66	H	60.4	1.00	1.000

Radiates Emission from 3GHz to 18GHz

802.11b CH6

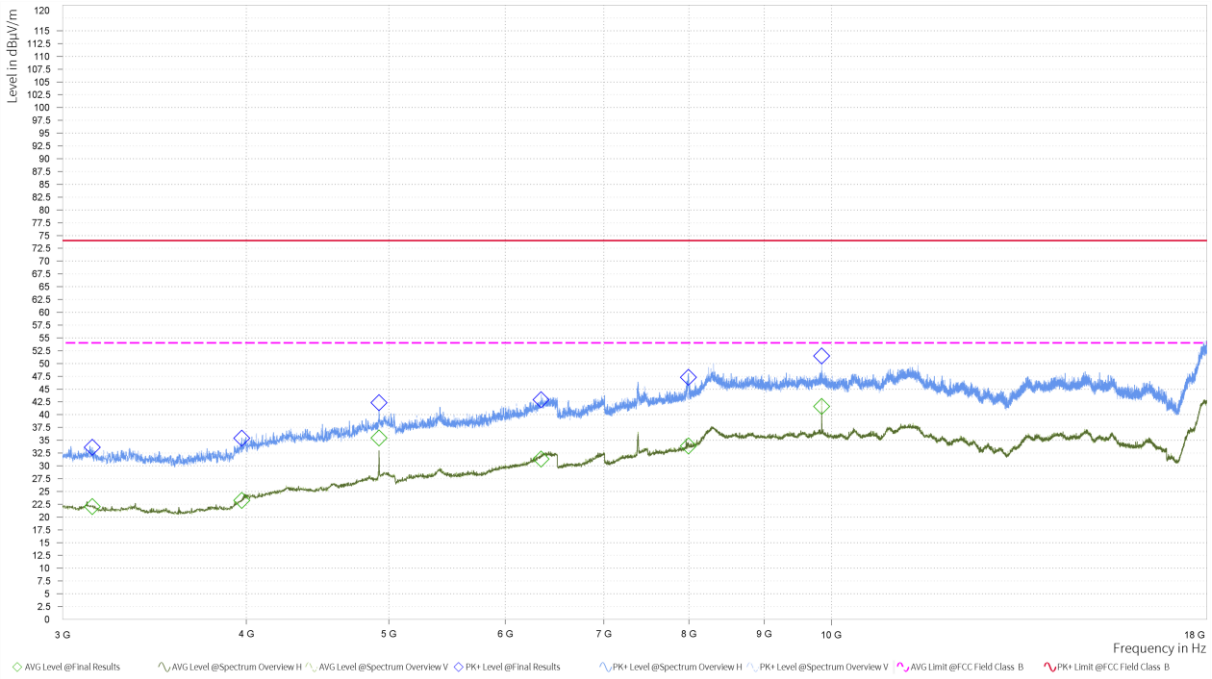
Spectrum Overview H/V



Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,029.000	43.98	74.00	30.02	32.55	54.00	21.45	-5.86	H	34.8	2.00	1.000
1,164.500	46.04	74.00	27.96	32.87	54.00	21.13	-5.20	H	360	2.00	1.000
1,327.750	50.85	74.00	23.15	36.34	54.00	17.66	-4.27	H	69	2.00	1.000
1,791.500	44.03	74.00	29.97	32.50	54.00	21.50	-3.53	H	216.1	1.00	1.000
2,355.000	49.28	74.00	24.72	38.28	54.00	15.72	-0.49	H	147.5	1.00	1.000
2,658.000	56.37	74.00	17.63	39.69	54.00	14.31	0.42	H	62.1	2.00	1.000

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

Spectrum Overview H/V

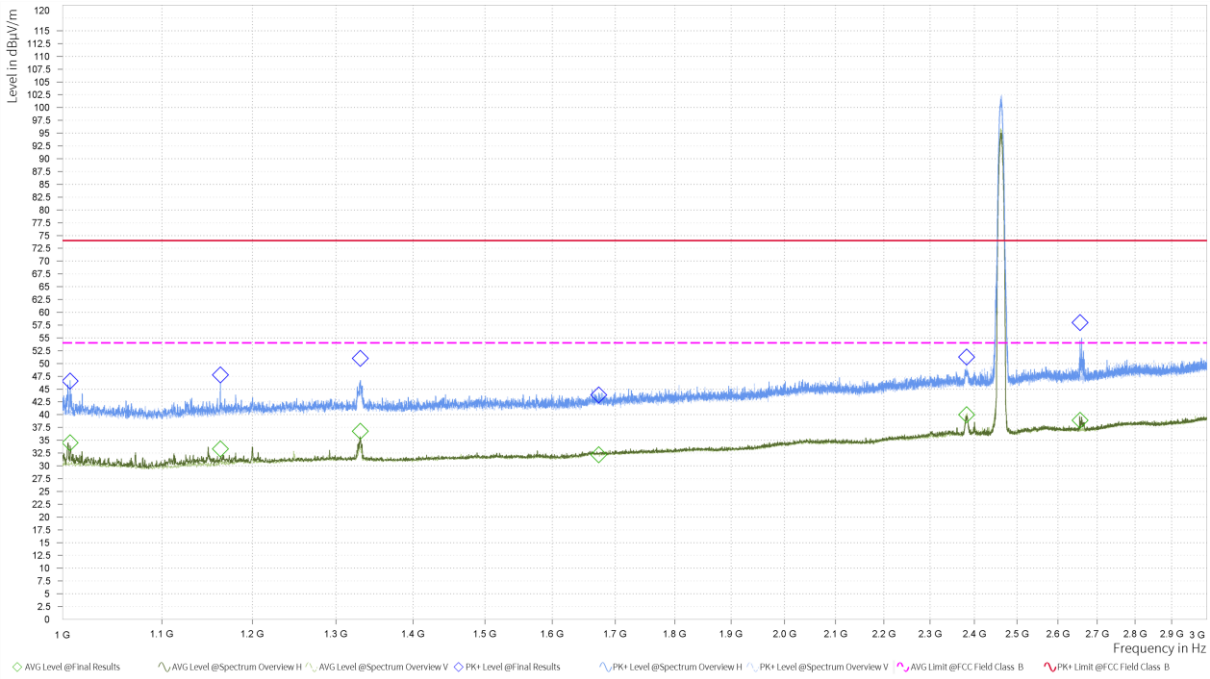


Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,142.500	33.60	74.00	40.40	22.01	54.00	31.99	-7.71	H	180	1.00	1.000
3,971.250	35.36	74.00	38.64	23.22	54.00	30.78	-5.95	H	177.7	2.00	1.000
4,923.750	42.29	74.00	31.71	35.43	54.00	18.57	-1.64	H	172.8	2.00	1.000
6,346.875	42.91	74.00	31.09	31.31	54.00	22.69	1.44	V	43.8	2.00	1.000
7,991.250	47.25	74.00	26.75	33.87	54.00	20.13	2.57	H	60.8	1.00	1.000
9,847.500	51.43	74.00	22.57	41.58	54.00	12.42	5.79	V	99.3	2.00	1.000

Radiates Emission from 3GHz to 18GHz

802.11b CH11

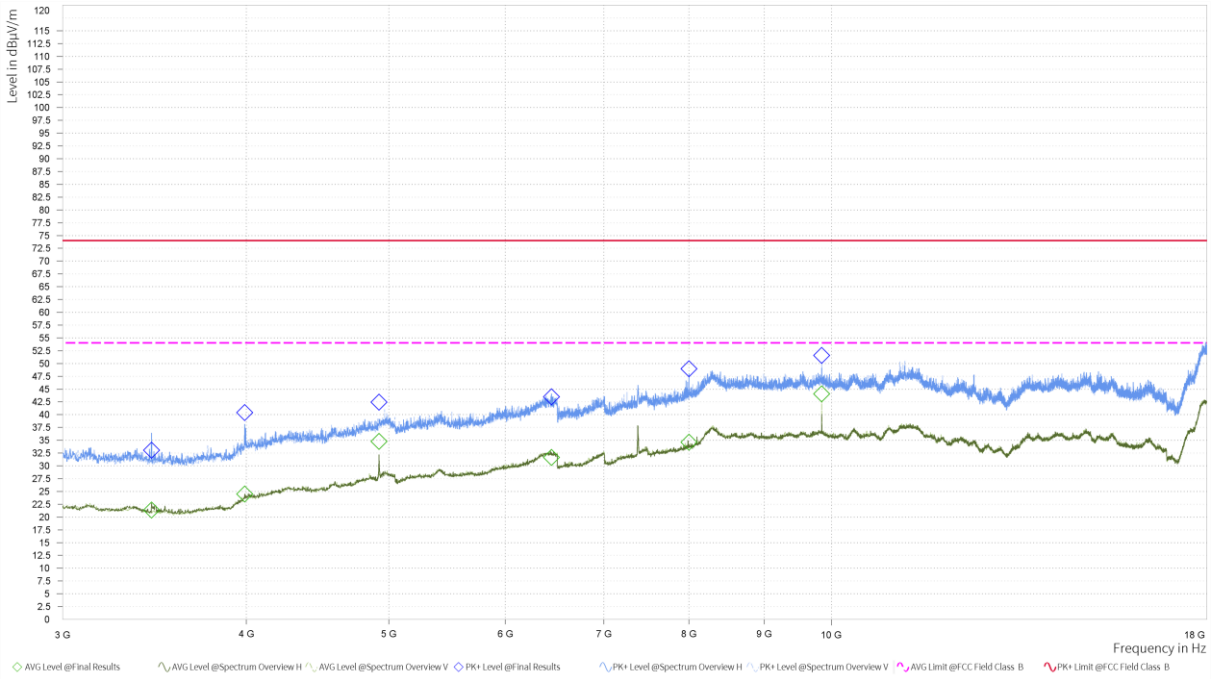
Spectrum Overview H/V



Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,007.250	46.52	74.00	27.48	34.51	54.00	19.49	-6.05	H	47.9	2.00	1.000
1,163.500	47.76	74.00	26.24	33.28	54.00	20.72	-5.22	H	68.2	2.00	1.000
1,331.000	50.97	74.00	23.03	36.72	54.00	17.28	-4.26	H	61.3	2.00	1.000
1,673.250	43.85	74.00	30.15	32.15	54.00	21.85	-3.93	H	191.9	2.00	1.000
2,382.000	51.23	74.00	22.77	39.99	54.00	14.01	-0.56	V	188.7	1.00	1.000
2,656.000	57.98	74.00	16.02	38.86	54.00	15.14	0.43	H	0	2.00	1.000

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

Spectrum Overview H/V

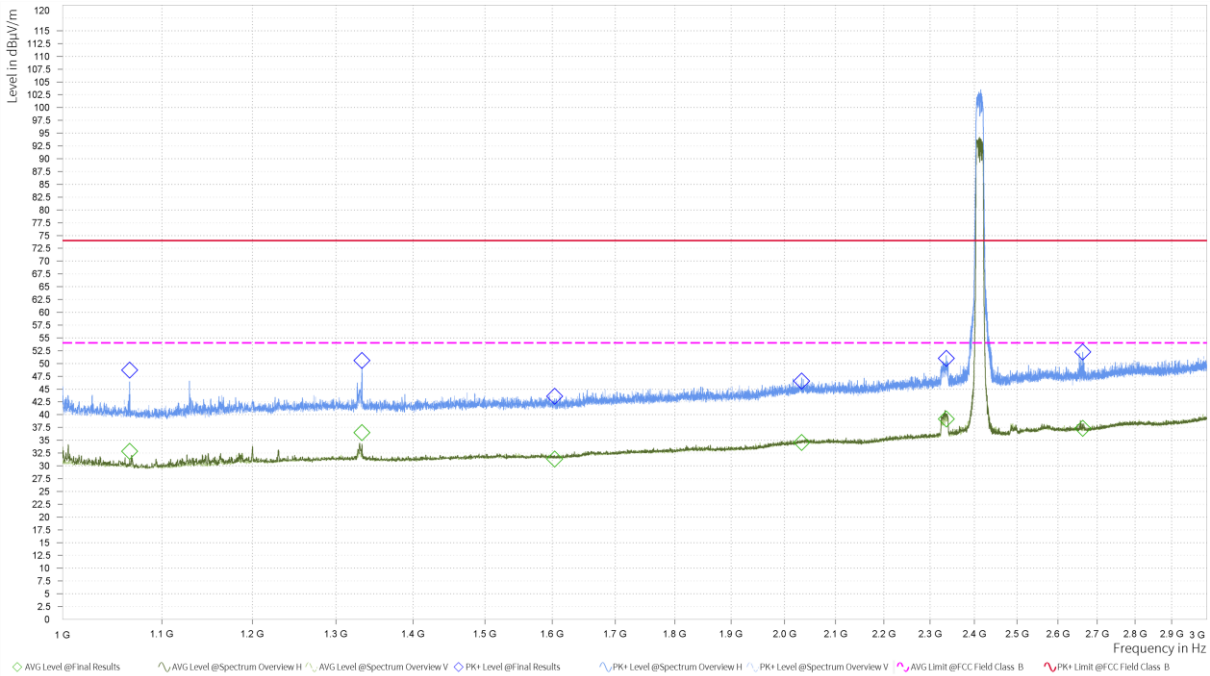


Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,448.125	33.01	74.00	40.99	21.35	54.00	32.65	-7.94	H	14	1.00	1.000
3,990.000	40.36	74.00	33.64	24.45	54.00	29.55	-5.64	H	29.5	1.00	1.000
4,923.750	42.40	74.00	31.60	34.74	54.00	19.26	-1.64	H	178.7	1.00	1.000
6,450.000	43.46	74.00	30.54	31.62	54.00	22.38	1.39	H	0	1.00	1.000
7,998.750	48.96	74.00	25.04	34.60	54.00	19.40	2.64	H	100.8	1.00	1.000
9,847.500	51.55	74.00	22.45	44.05	54.00	9.95	5.79	V	137.3	1.00	1.000

Radiates Emission from 3GHz to 18GHz

802.11g CH1

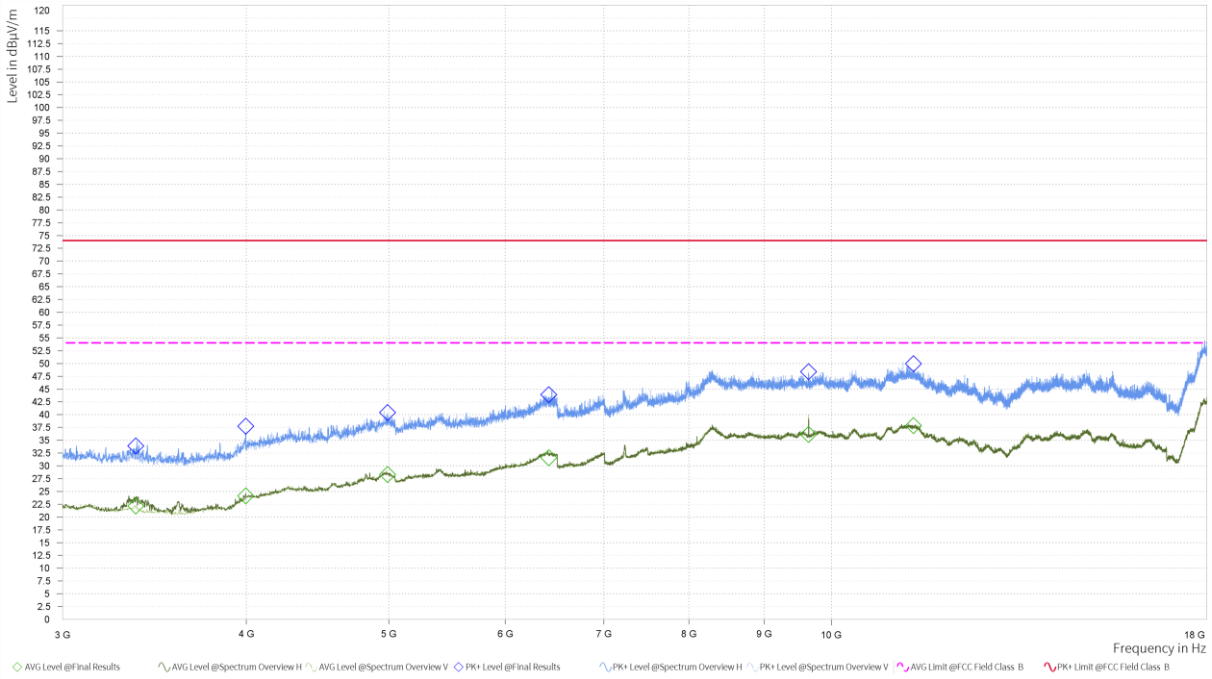
Spectrum Overview H/V



Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,066.500	48.68	74.00	25.32	32.84	54.00	21.16	-5.67	H	55.6	2.00	1.000
1,333.000	50.54	74.00	23.46	36.48	54.00	17.52	-4.24	H	55.6	2.00	1.000
1,603.750	43.55	74.00	30.45	31.32	54.00	22.68	-4.23	H	360	2.00	1.000
2,033.000	46.52	74.00	27.48	34.55	54.00	19.45	-1.36	H	164.9	1.00	1.000
2,336.000	50.99	74.00	23.01	39.14	54.00	14.86	-0.49	H	151.2	1.00	1.000
2,662.750	52.24	74.00	21.76	37.29	54.00	16.71	0.40	H	18	1.00	1.000

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

Spectrum Overview H/V

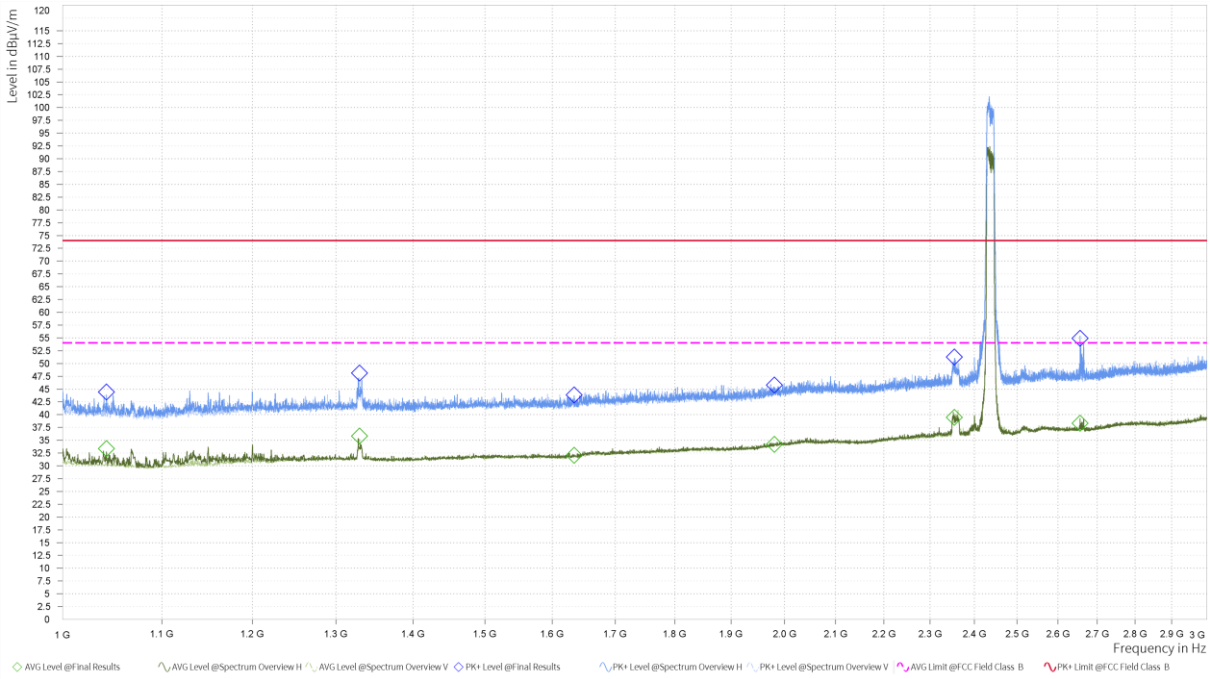


Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,363.750	33.88	74.00	40.12	22.10	54.00	31.90	-7.47	H	8.7	2.00	1.000
3,995.625	37.71	74.00	36.29	24.09	54.00	29.91	-5.59	H	123.7	1.00	1.000
4,989.375	40.41	74.00	33.59	28.30	54.00	25.70	-0.95	H	16.7	2.00	1.000
6,421.875	43.88	74.00	30.12	31.57	54.00	22.43	1.57	H	76.5	1.00	1.000
9,646.875	48.35	74.00	25.65	36.13	54.00	17.87	5.80	H	178.6	1.00	1.000
11,371.875	49.93	74.00	24.07	37.83	54.00	16.17	7.58	H	139.9	1.00	1.000

Radiates Emission from 3GHz to 18GHz

802.11g CH6

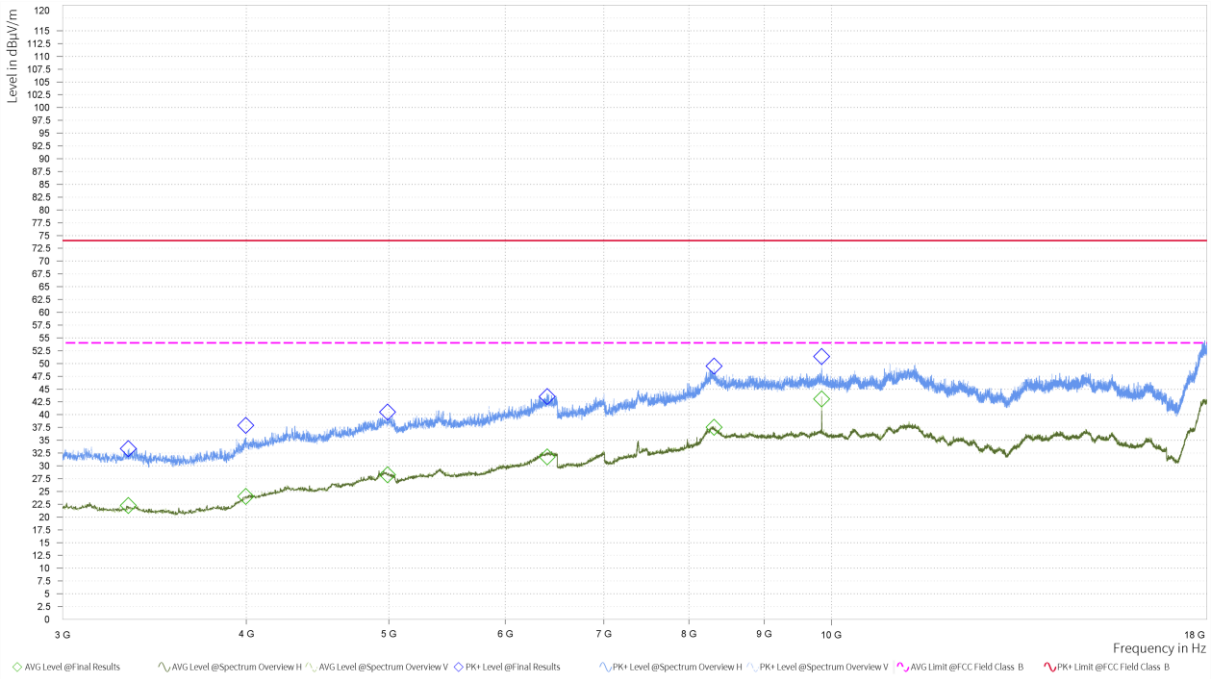
Spectrum Overview H/V



Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,043.000	44.39	74.00	29.61	33.32	54.00	20.68	-5.80	H	48.4	2.00	1.000
1,329.750	48.13	74.00	25.87	35.79	54.00	18.21	-4.26	V	89.7	2.00	1.000
1,634.250	43.83	74.00	30.17	32.05	54.00	21.95	-4.22	H	76.1	2.00	1.000
1,980.500	45.75	74.00	28.25	34.19	54.00	19.81	-1.89	H	76.1	2.00	1.000
2,354.250	51.25	74.00	22.75	39.46	54.00	14.54	-0.48	V	193.6	2.00	1.000
2,656.000	54.87	74.00	19.13	38.30	54.00	15.70	0.43	H	360	1.00	1.000

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

Spectrum Overview H/V

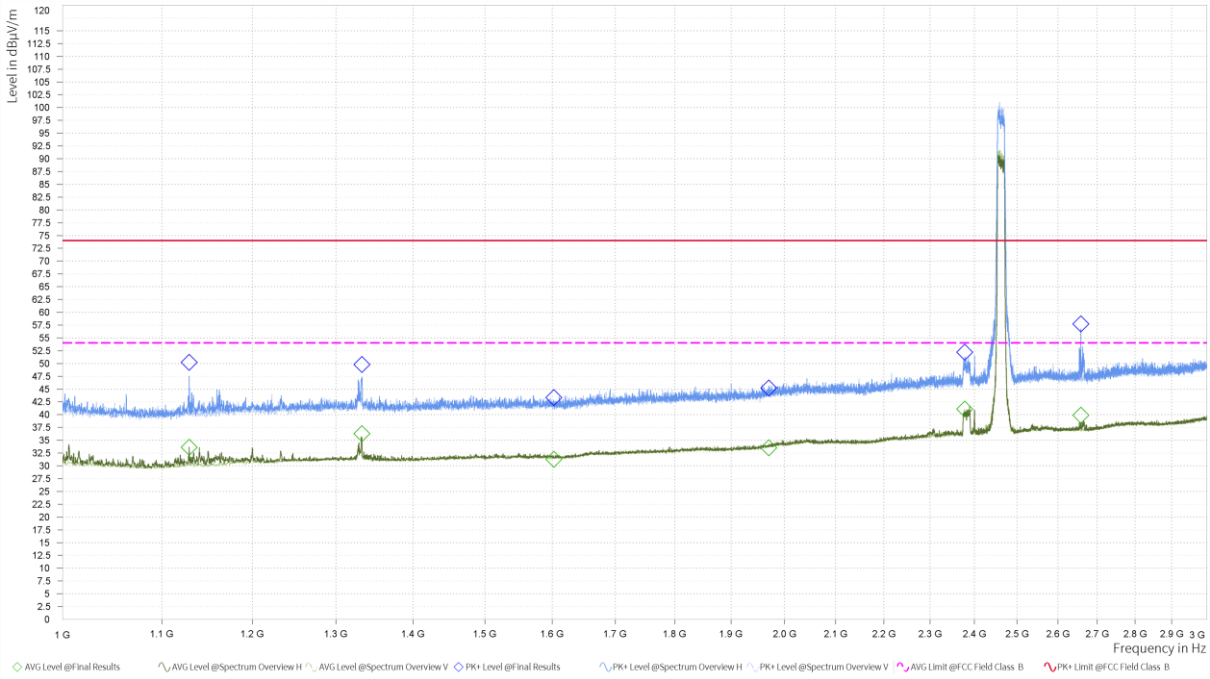


Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,324.375	33.36	74.00	40.64	22.22	54.00	31.78	-7.54	H	93	1.00	1.000
3,995.625	37.85	74.00	36.15	24.00	54.00	30.00	-5.59	H	116.5	1.00	1.000
4,989.375	40.46	74.00	33.54	28.25	54.00	25.75	-0.95	H	14	1.00	1.000
6,406.875	43.51	74.00	30.49	31.72	54.00	22.28	1.65	H	155.4	1.00	1.000
8,321.250	49.46	74.00	24.54	37.49	54.00	16.51	6.40	V	77.8	2.00	1.000
9,847.500	51.35	74.00	22.65	43.04	54.00	10.96	5.79	V	127.3	1.00	1.000

Radiates Emission from 3GHz to 18GHz

802.11g CH11

Spectrum Overview H/V



Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,129.250	50.17	74.00	23.83	33.62	54.00	20.38	-5.37	H	41.6	2.00	1.000
1,333.000	49.79	74.00	24.21	36.27	54.00	17.73	-4.24	H	41.6	2.00	1.000
1,602.500	43.30	74.00	30.70	31.27	54.00	22.73	-4.23	H	40.1	1.00	1.000
1,970.000	45.20	74.00	28.80	33.51	54.00	20.49	-2.11	H	144.7	1.00	1.000
2,377.500	52.17	74.00	21.83	41.08	54.00	12.92	-0.61	V	193.6	2.00	1.000
2,658.000	57.68	74.00	16.32	39.87	54.00	14.13	0.42	H	359.5	2.00	1.000

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz