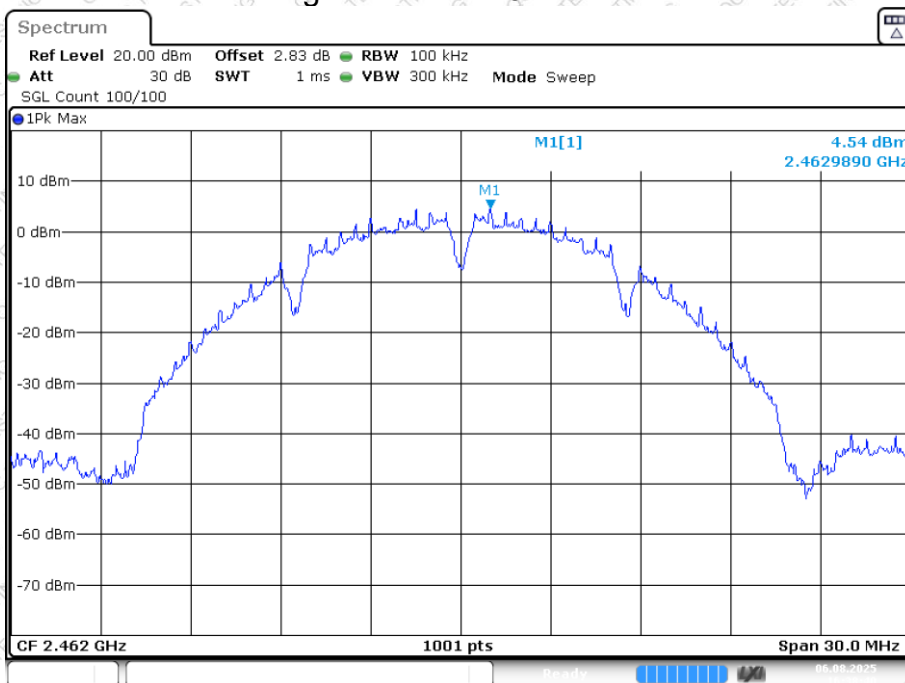


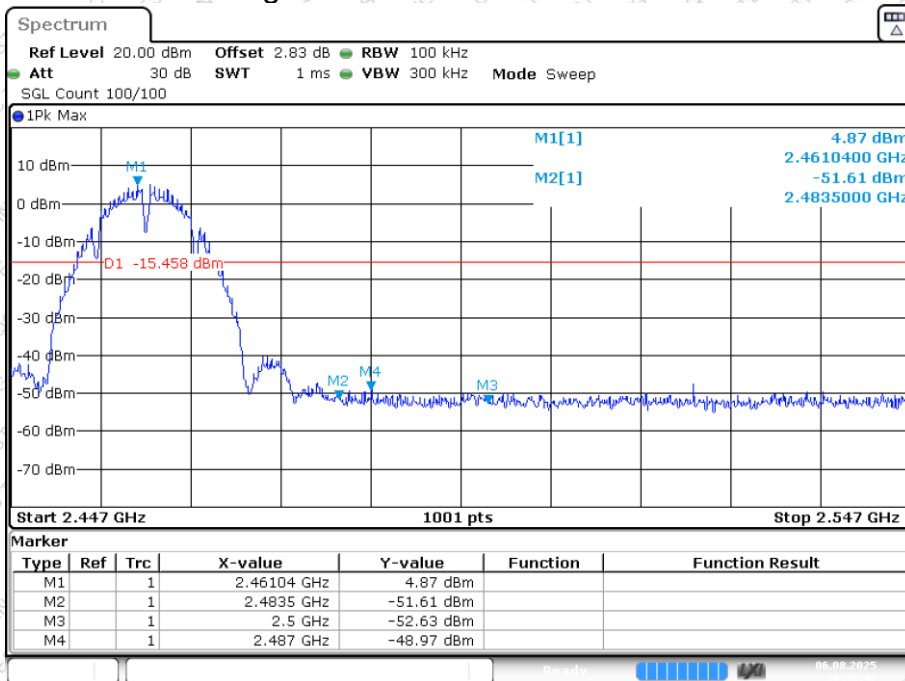


Band Edge NVNT b 2462MHz Ant1 Ref



Date: 6.AUG.2025 16:38:41

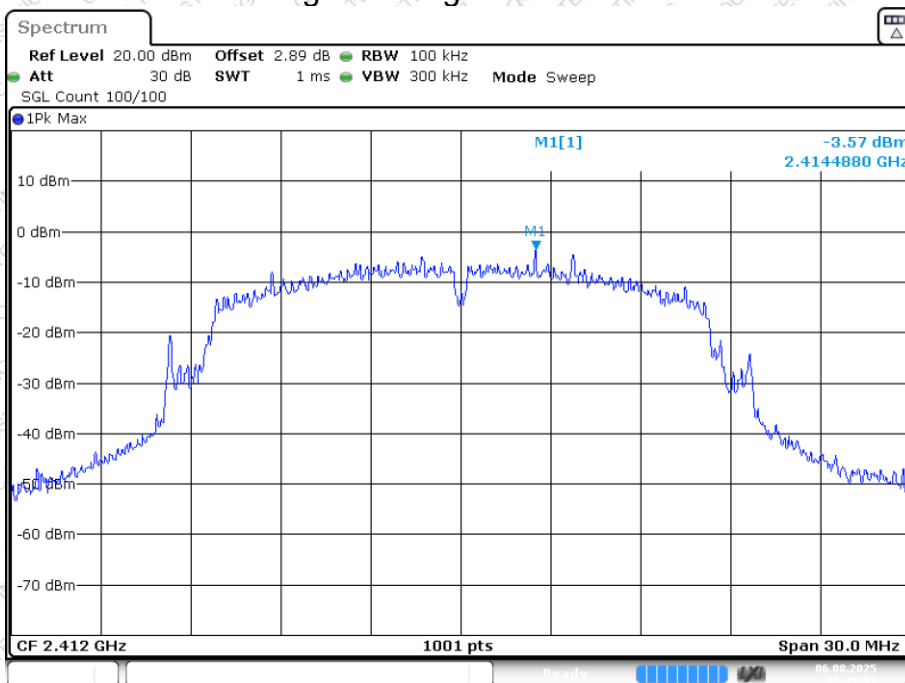
Band Edge NVNT b 2462MHz Ant1 Emission



Date: 6.AUG.2025 16:38:42

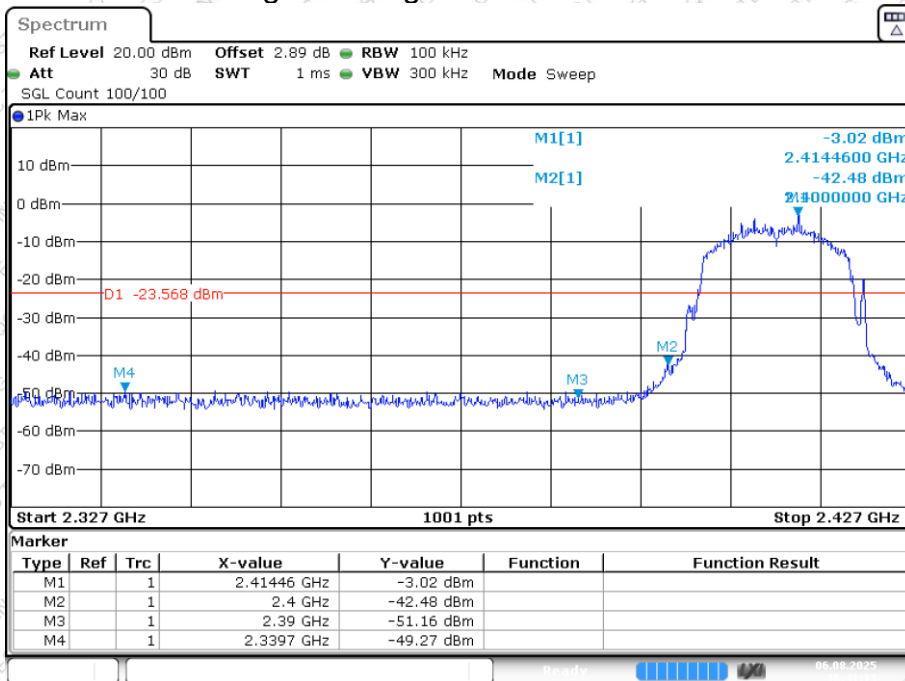


Band Edge NVNT g 2412MHz Ant1 Ref



Date: 6.AUG.2025 16:41:11

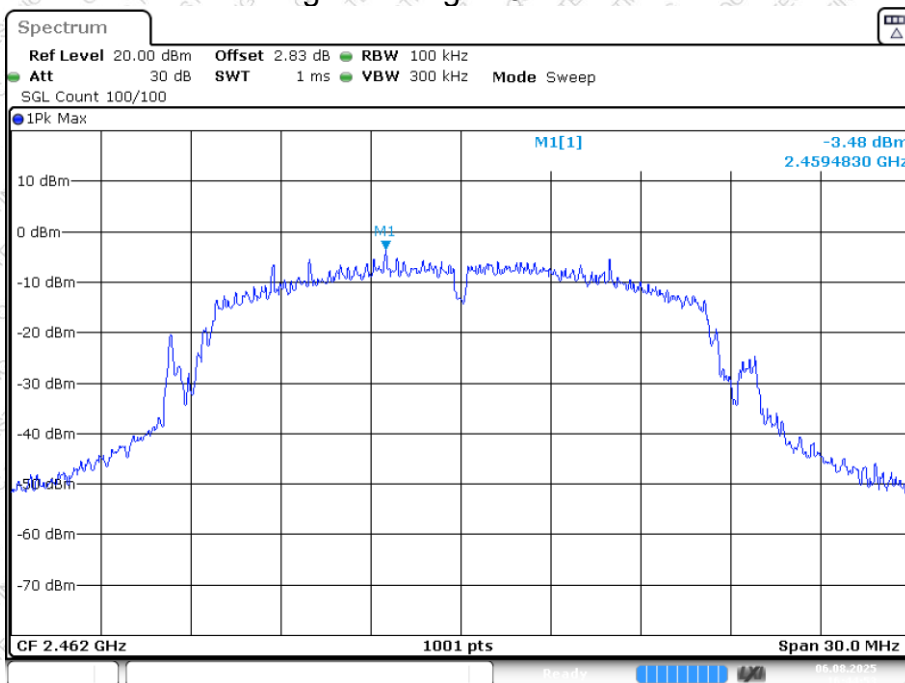
Band Edge NVNT g 2412MHz Ant1 Emission



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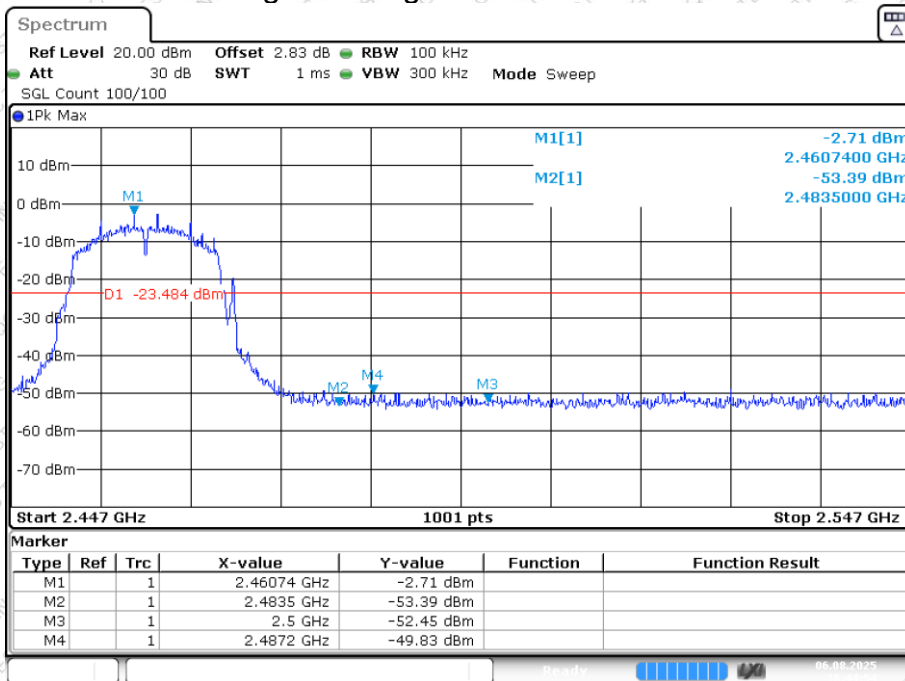


Band Edge NVNT g 2462MHz Ant1 Ref



Date: 6.AUG.2025 16:44:53

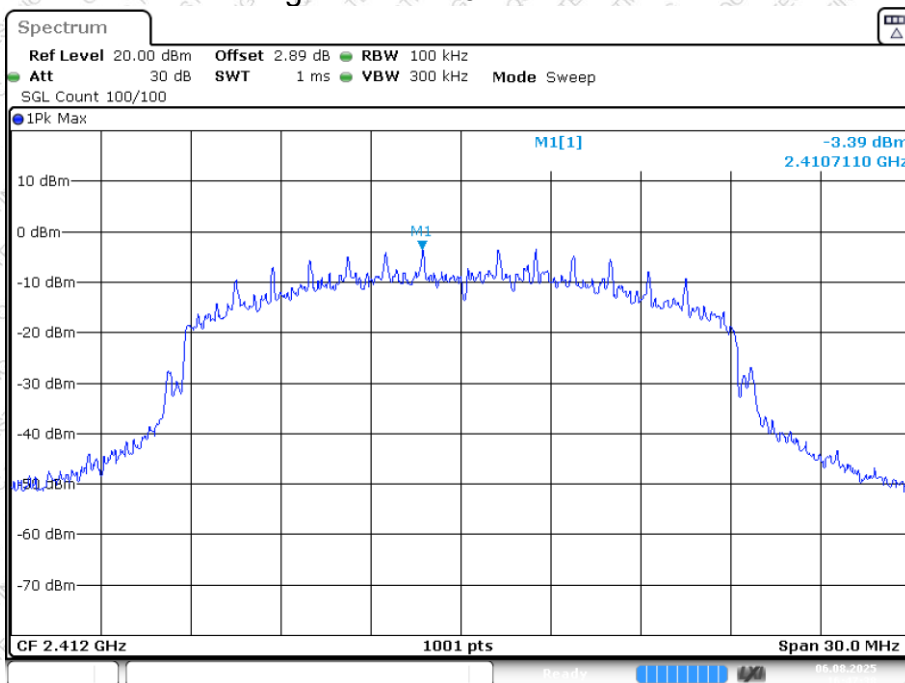
Band Edge NVNT g 2462MHz Ant1 Emission



Date: 6.AUG.2025 16:44:55

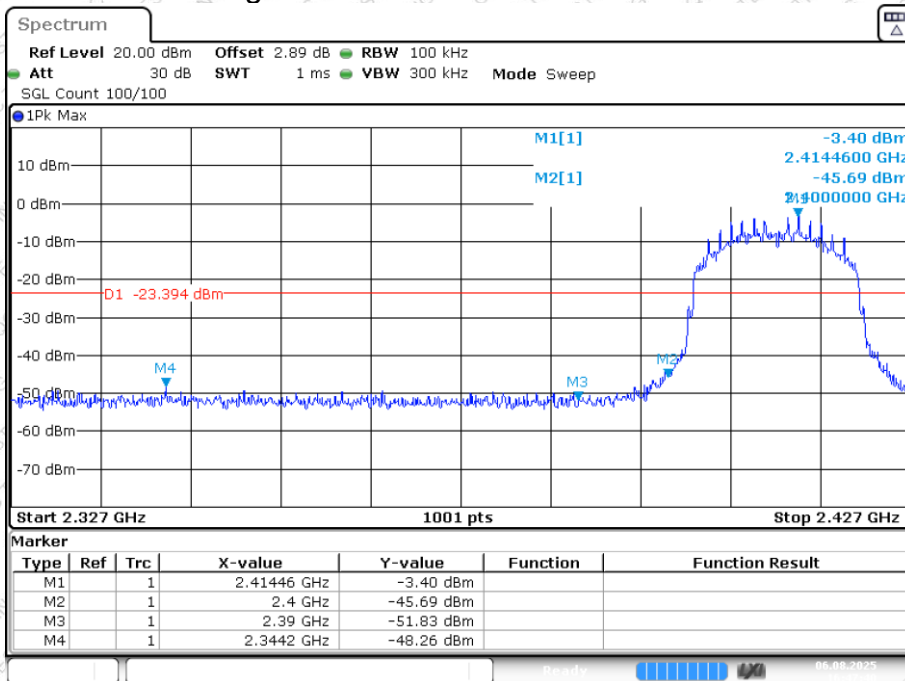


Band Edge NVNT n20 2412MHz Ant1 Ref



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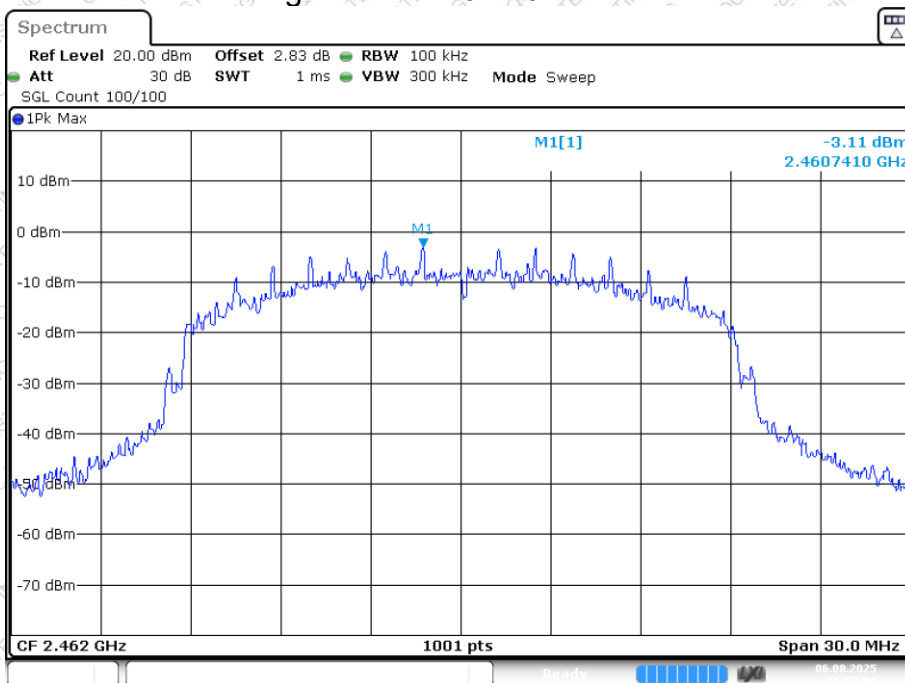
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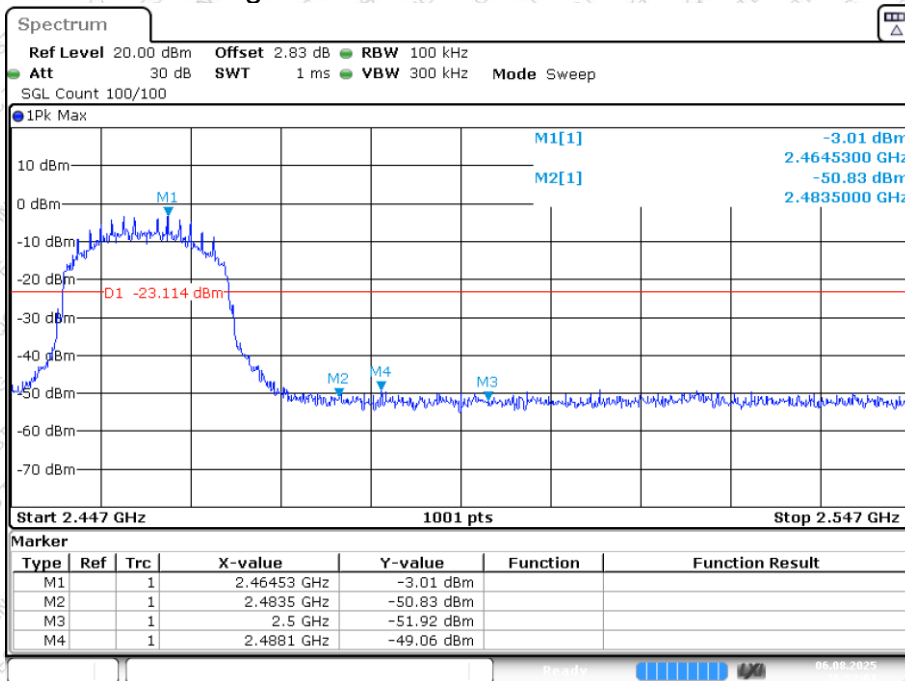


Band Edge NVNT n20 2462MHz Ant1 Ref



Date: 6.AUG.2025 16:52:00

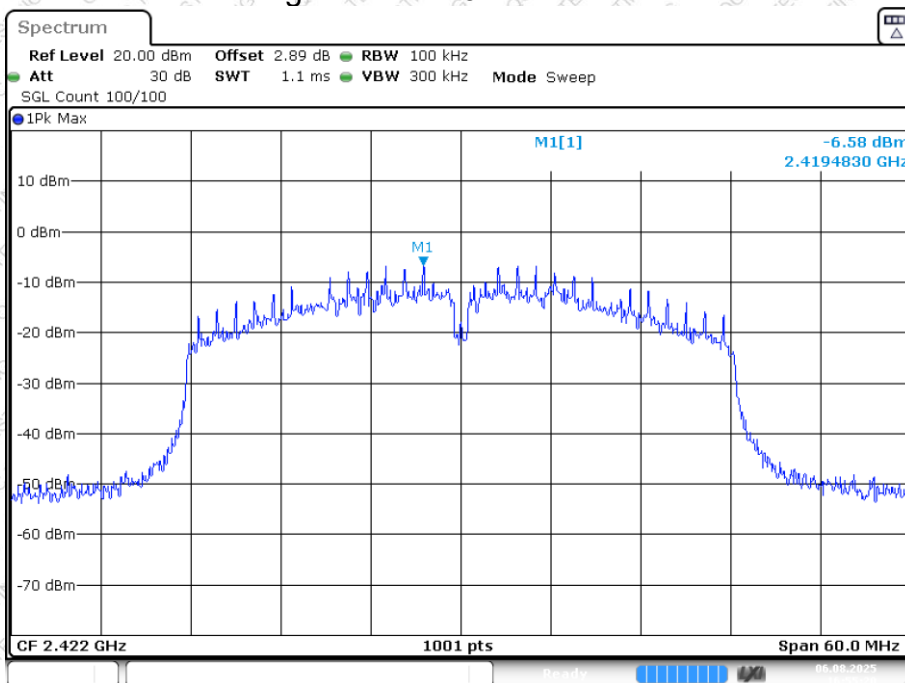
Band Edge NVNT n20 2462MHz Ant1 Emission



Date: 6.AUG.2025 16:52:01

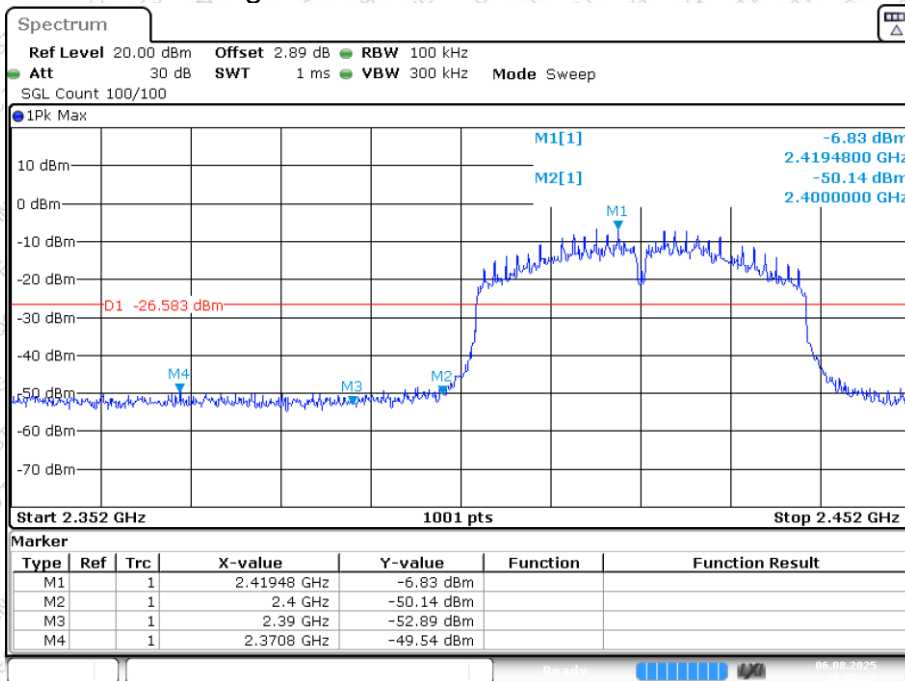


Band Edge NVNT n40 2422MHz Ant1 Ref



Date: 6.AUG.2025 16:55:20

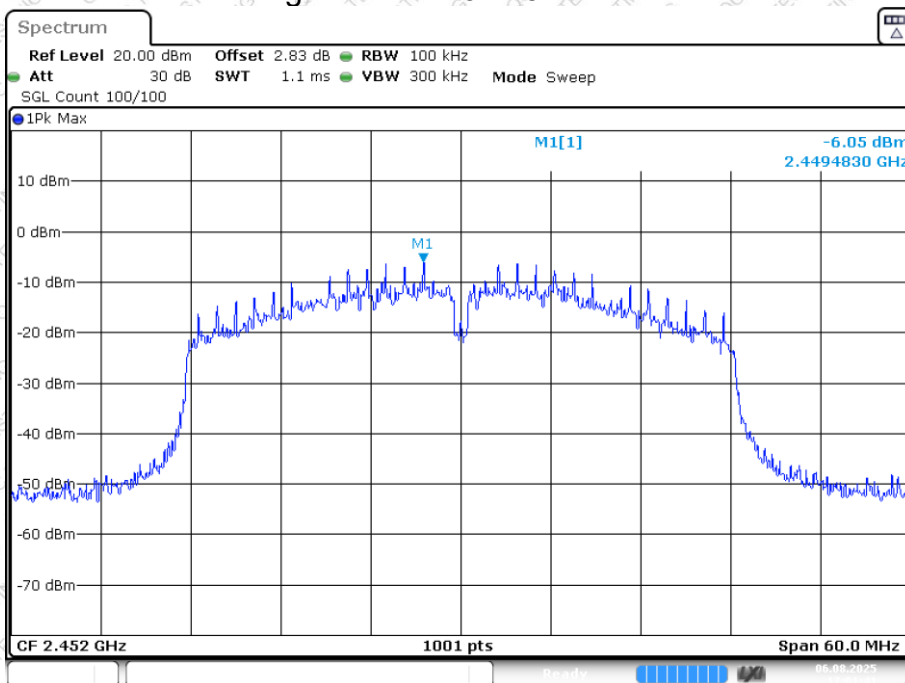
Band Edge NVNT n40 2422MHz Ant1 Emission



Date: 6.AUG.2025 16:55:22

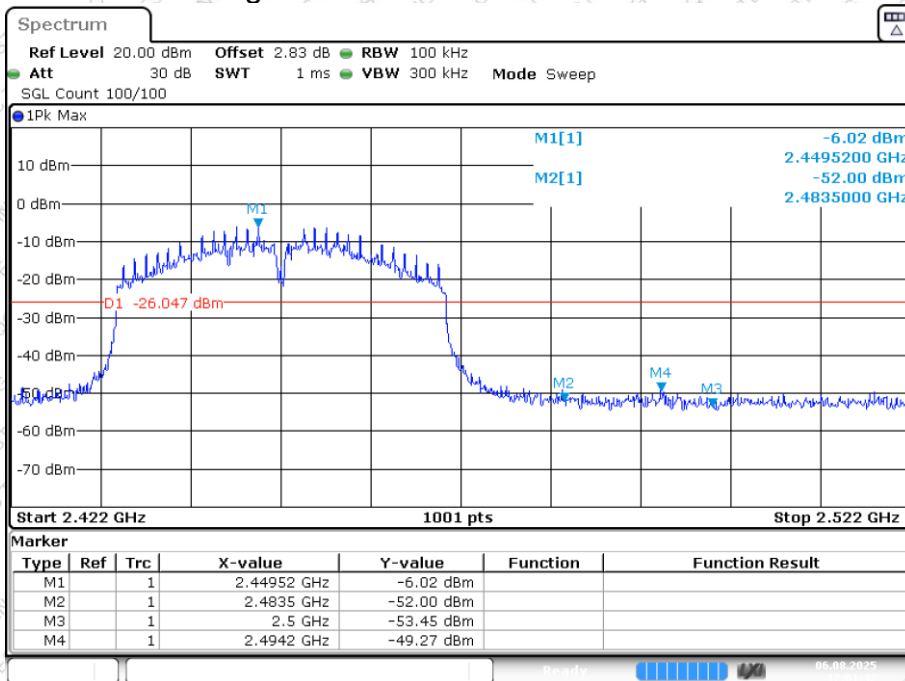


Band Edge NVNT n40 2452MHz Ant1 Ref



Date: 6.AUG.2025 17:01:41

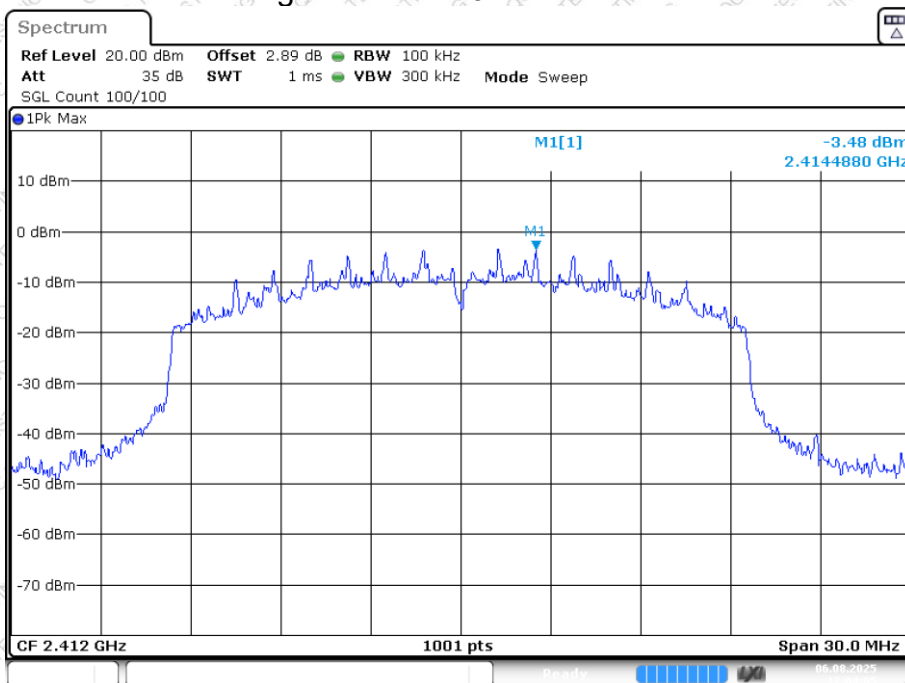
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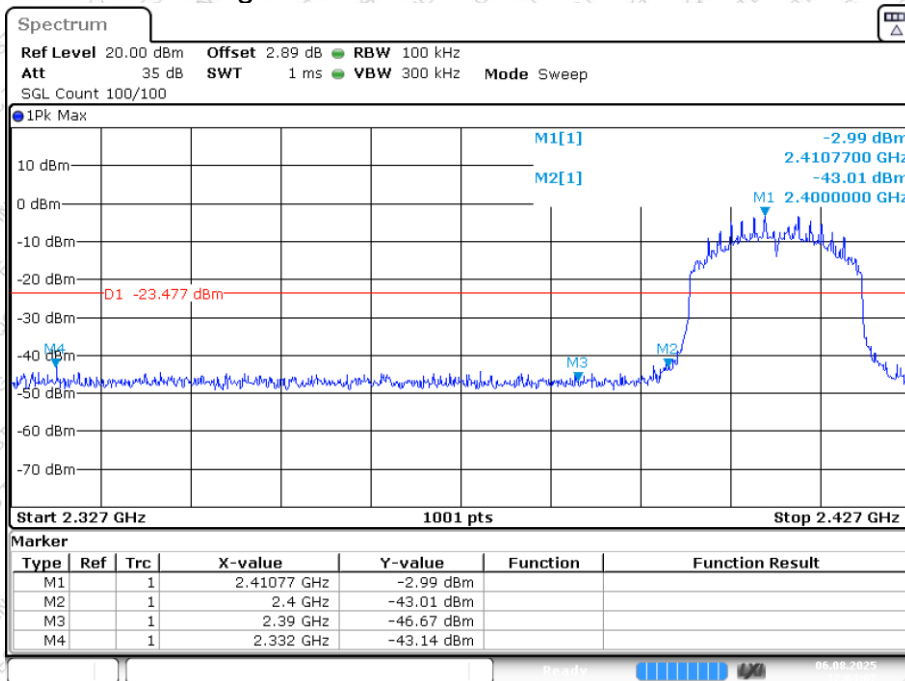


Band Edge NVNT ax20 2412MHz Ant1 Ref



Date: 6.AUG.2025 17:04:05

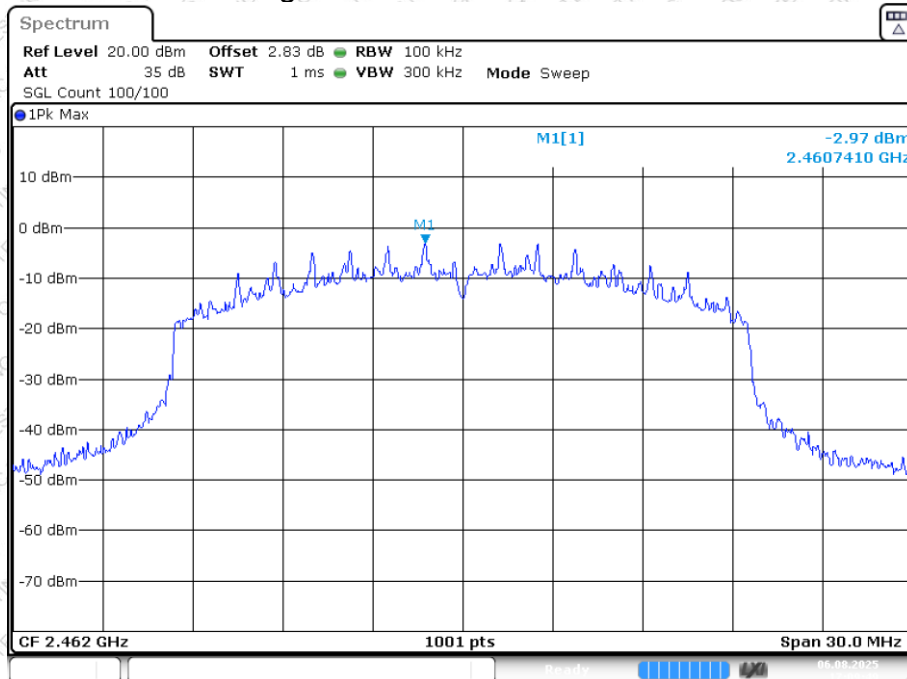
Band Edge NVNT ax20 2412MHz Ant1 Emission



Date: 6.AUG.2025 17:04:07

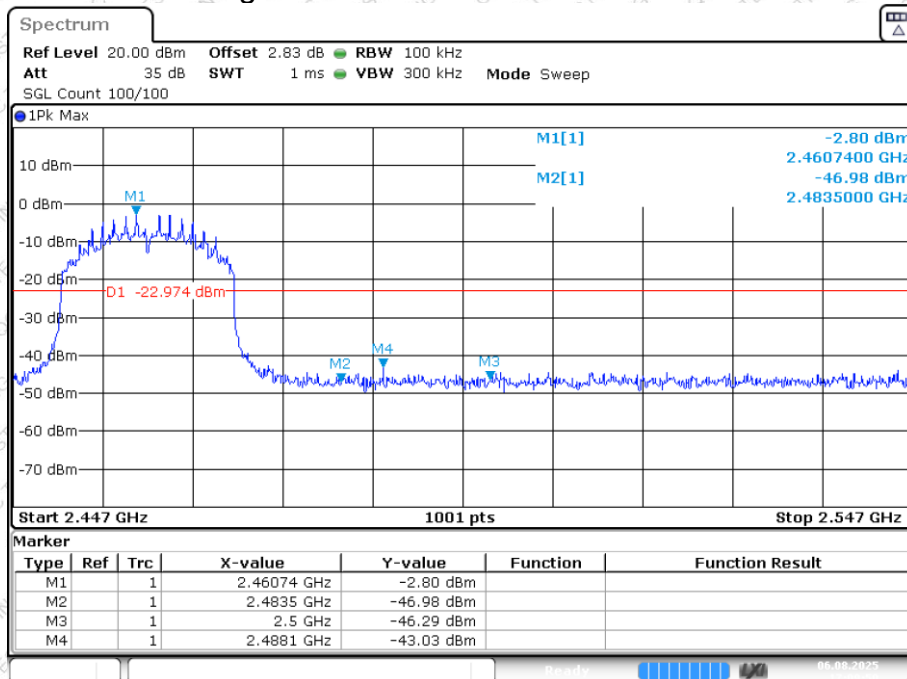


Band Edge NVNT ax20 2462MHz Ant1 Ref



Date: 6.AUG.2025 17:09:49

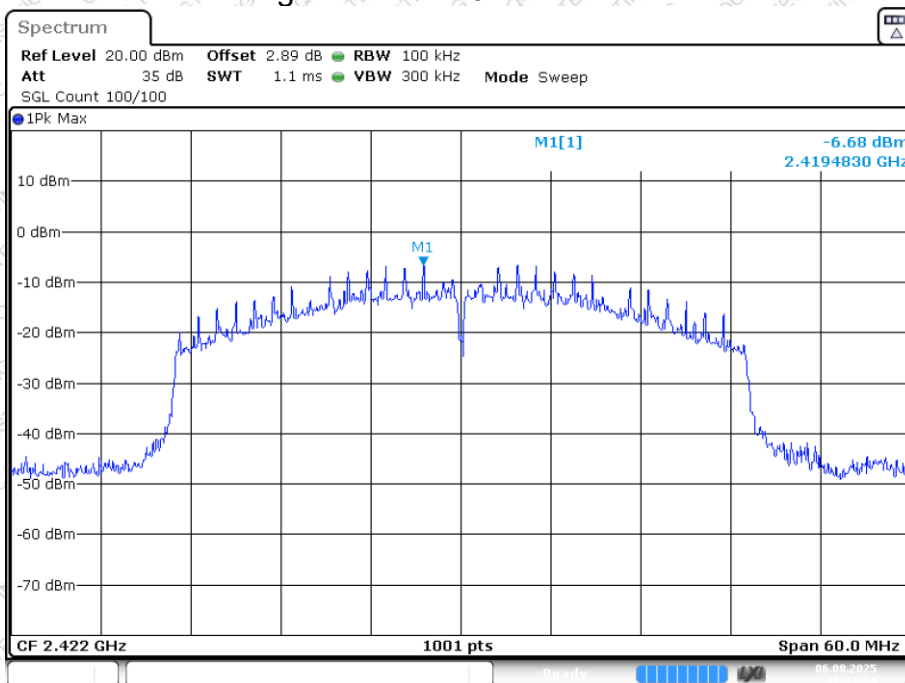
Band Edge NVNT ax20 2462MHz Ant1 Emission



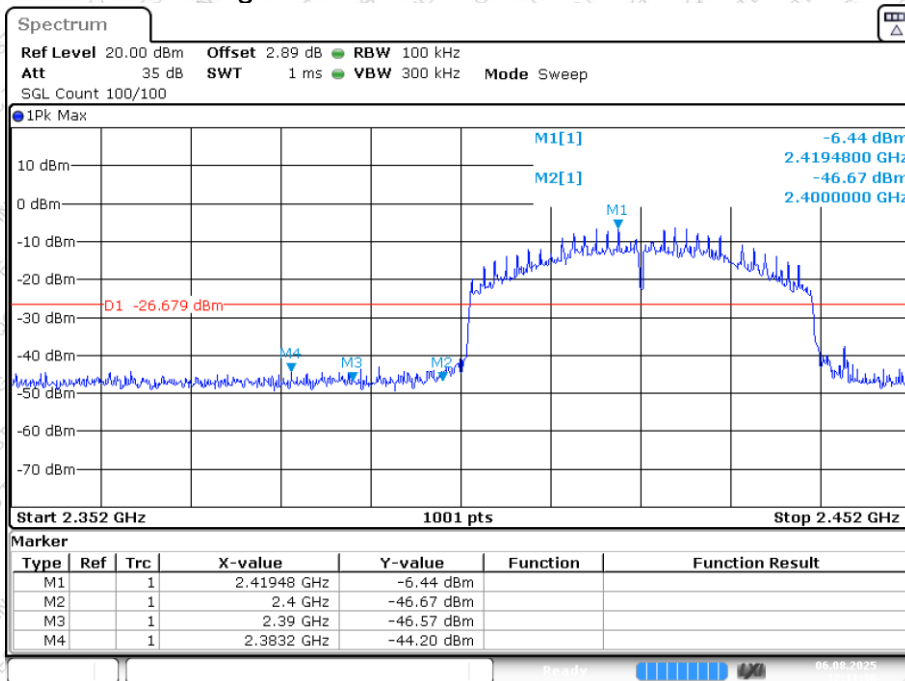
Date: 6.AUG.2025 17:09:50



Band Edge NVNT ax40 2422MHz Ant1 Ref

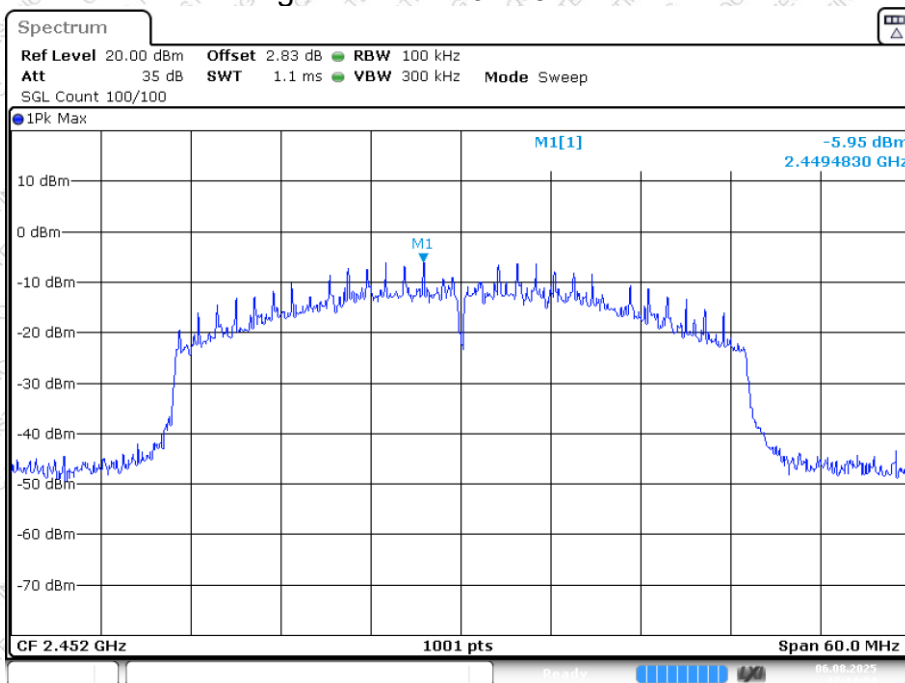


Band Edge NVNT ax40 2422MHz Ant1 Emission



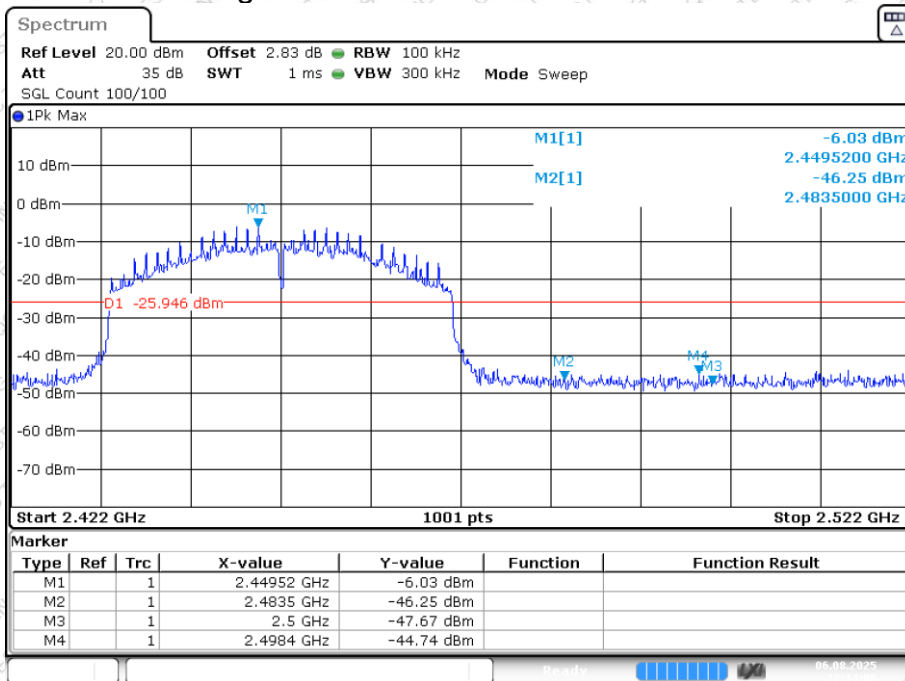


Band Edge NVNT ax40 2452MHz Ant1 Ref



Date: 6.AUG.2025 17:14:04

Band Edge NVNT ax40 2452MHz Ant1 Emission



Date: 6.AUG.2025 17:14:06

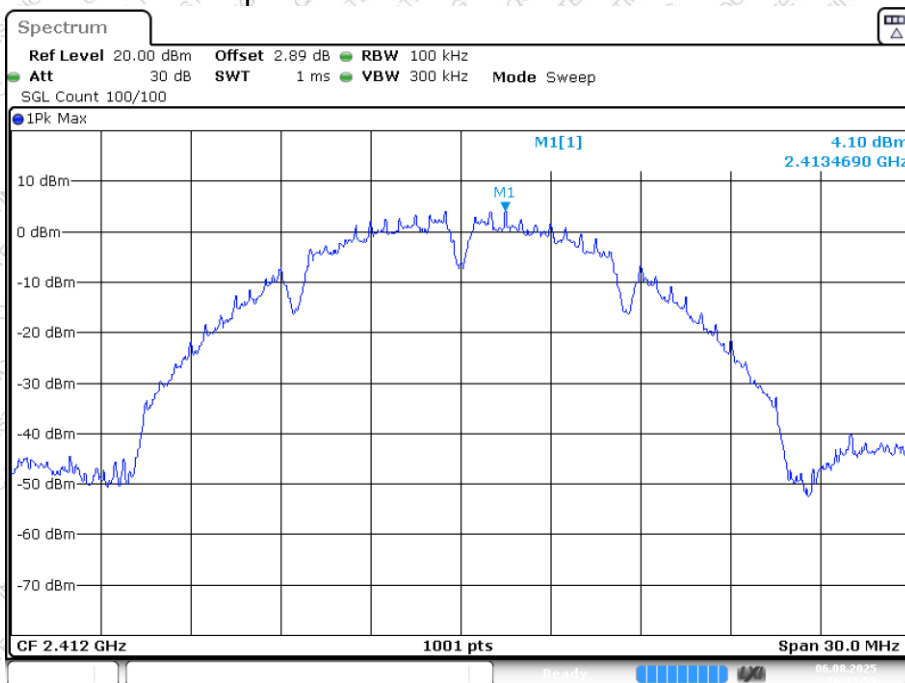


Conducted RF Spurious Emission:

Modulation	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	-48.21	-20	Pass
b	2437	-47.96	-20	Pass
b	2462	-49.57	-20	Pass
g	2412	-40.1	-20	Pass
g	2437	-40.6	-20	Pass
g	2462	-40.75	-20	Pass
n20	2412	-40.79	-20	Pass
n20	2437	-40.66	-20	Pass
n20	2462	-41.54	-20	Pass
n40	2422	-37.11	-20	Pass
n40	2437	-37.69	-20	Pass
n40	2452	-37.8	-20	Pass
ax20	2412	-34.51	-20	Pass
ax20	2437	-34.46	-20	Pass
ax20	2462	-34.73	-20	Pass
ax40	2422	-31	-20	Pass
ax40	2437	-31.82	-20	Pass
ax40	2452	-32.18	-20	Pass

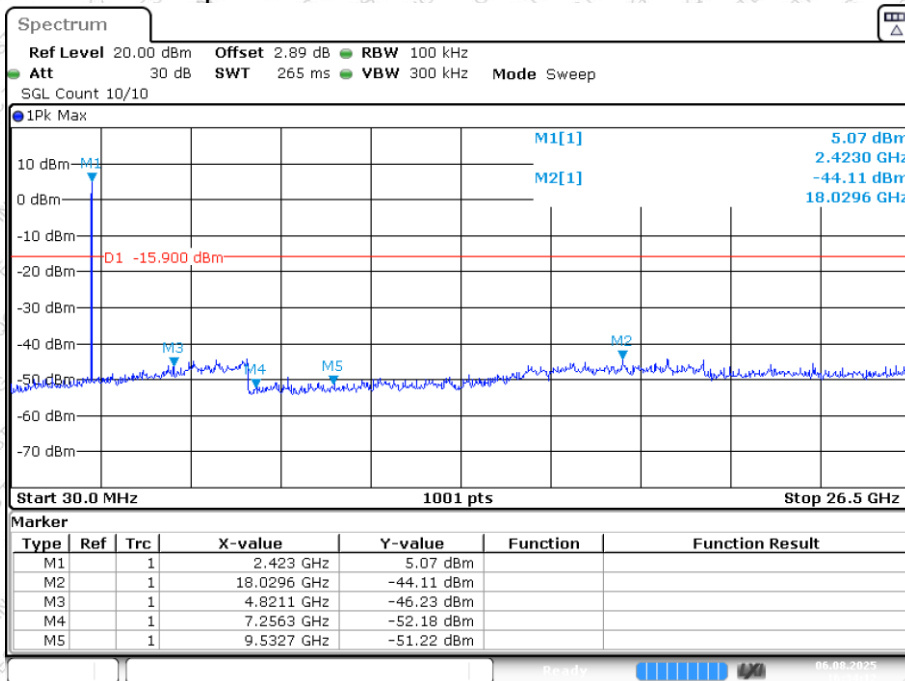


Tx. Spurious NVNT b 2412MHz Ant1 Ref



Date: 6.AUG.2025 16:33:59

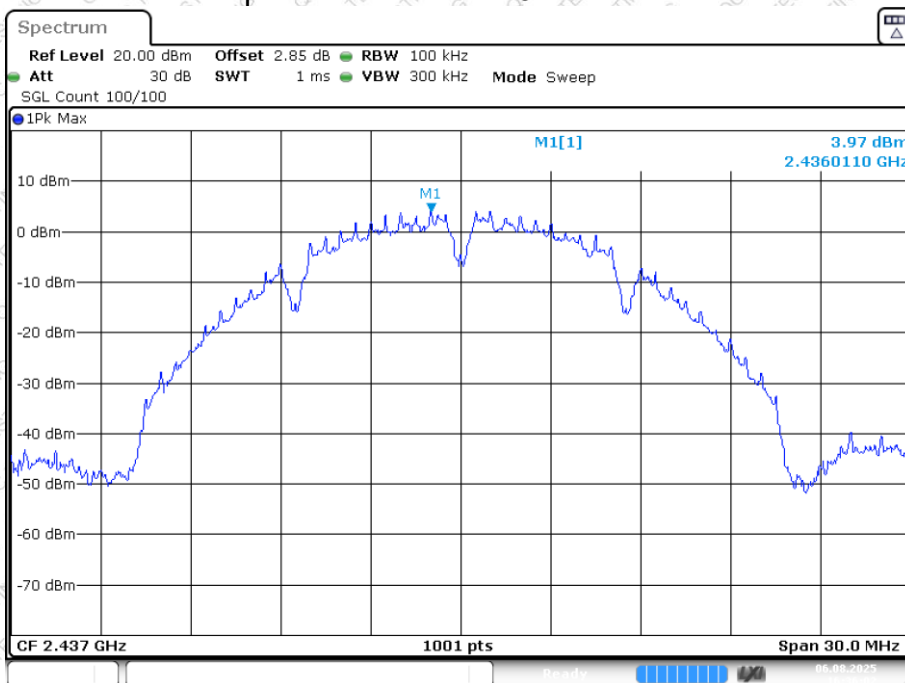
Tx. Spurious NVNT b 2412MHz Ant1 Emission



Date: 6.AUG.2025 16:34:12

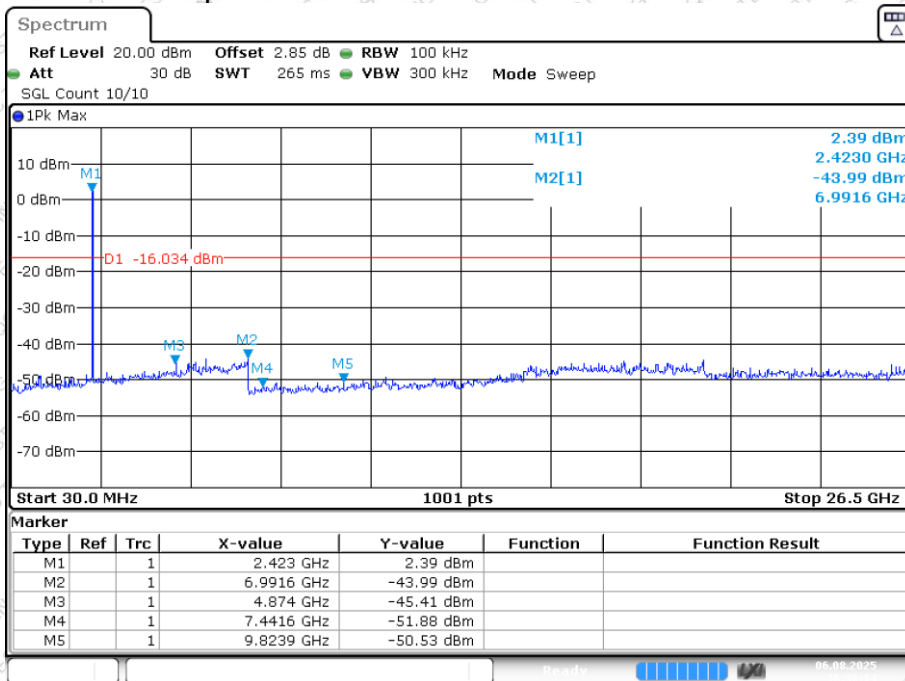


Tx. Spurious NVNT b 2437MHz Ant1 Ref



Date: 6.AUG.2025 16:36:02

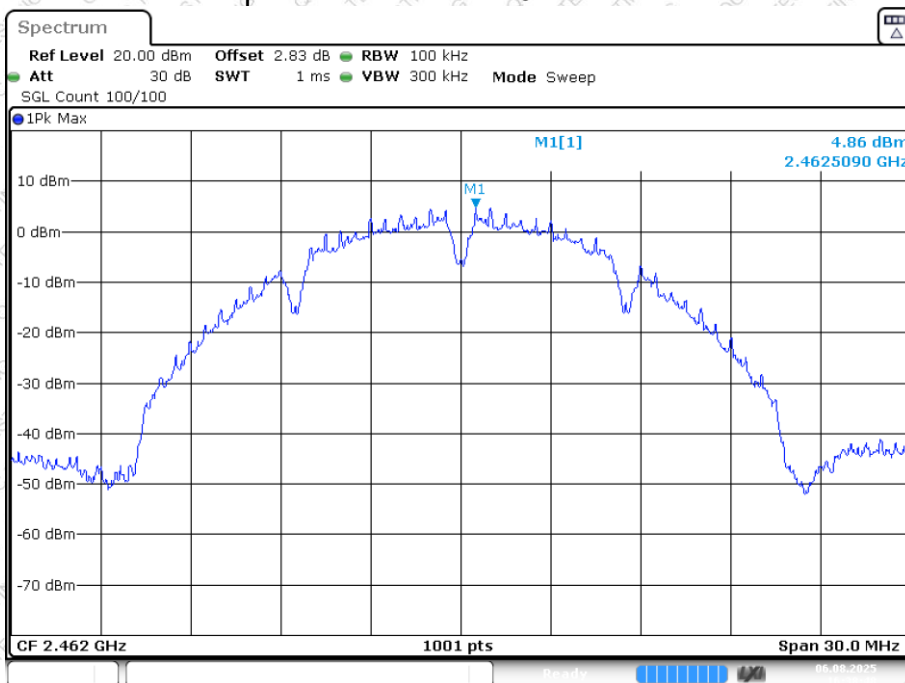
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Date: 6.AUG.2025 16:36:14

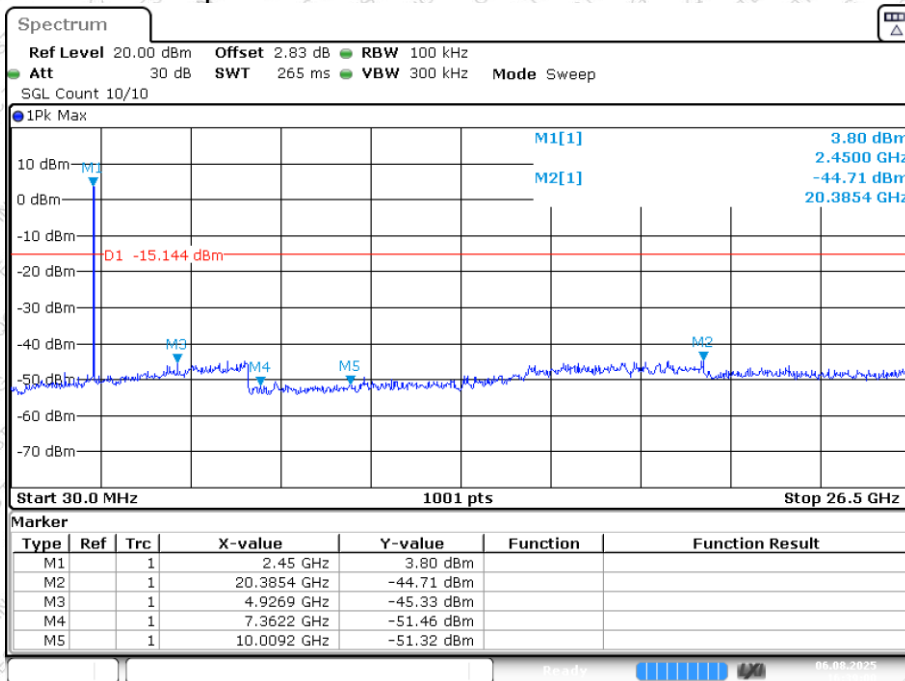


Tx. Spurious NVNT b 2462MHz Ant1 Ref



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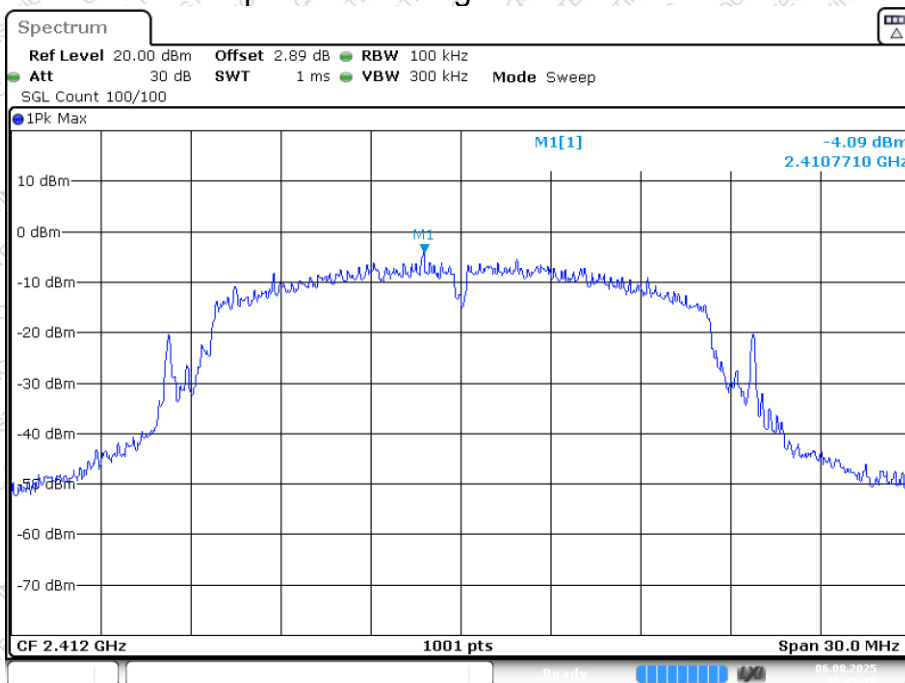
Tx. Spurious NVNT b 2462MHz Ant1 Emission



Date: 6.AUG.2025 16:39:00

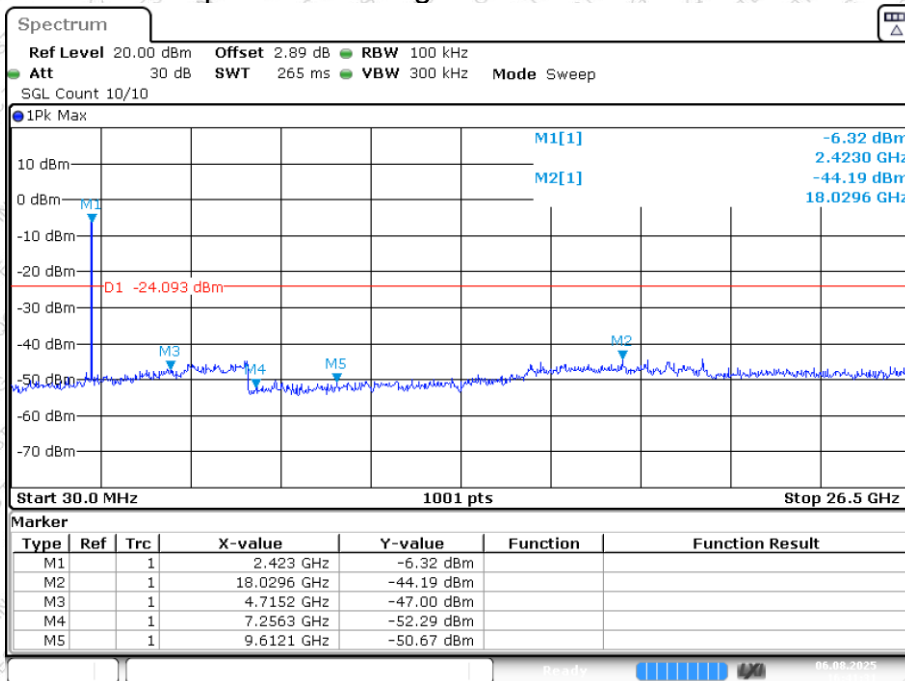


Tx. Spurious NVNT g 2412MHz Ant1 Ref



Date: 6.AUG.2025 16:41:19

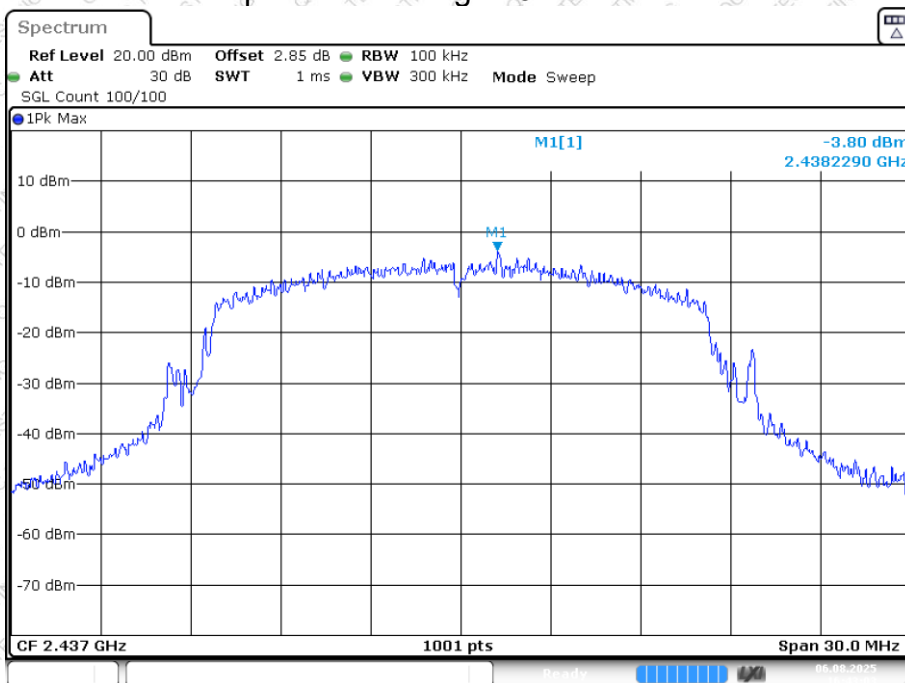
Tx. Spurious NVNT g 2412MHz Ant1 Emission



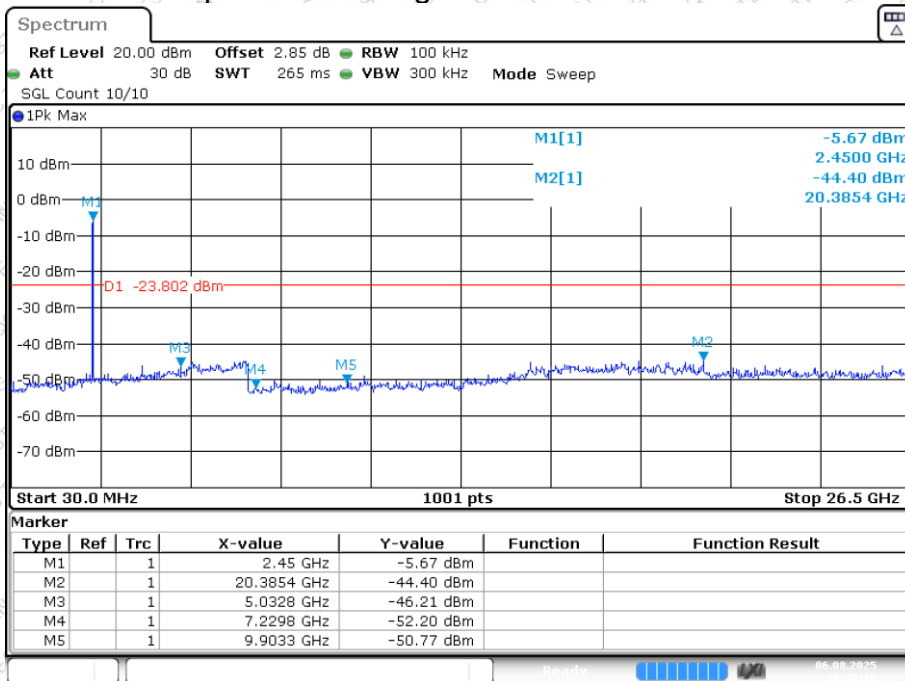
Date: 6.AUG.2025 16:41:31



Tx. Spurious NVNT g 2437MHz Ant1 Ref

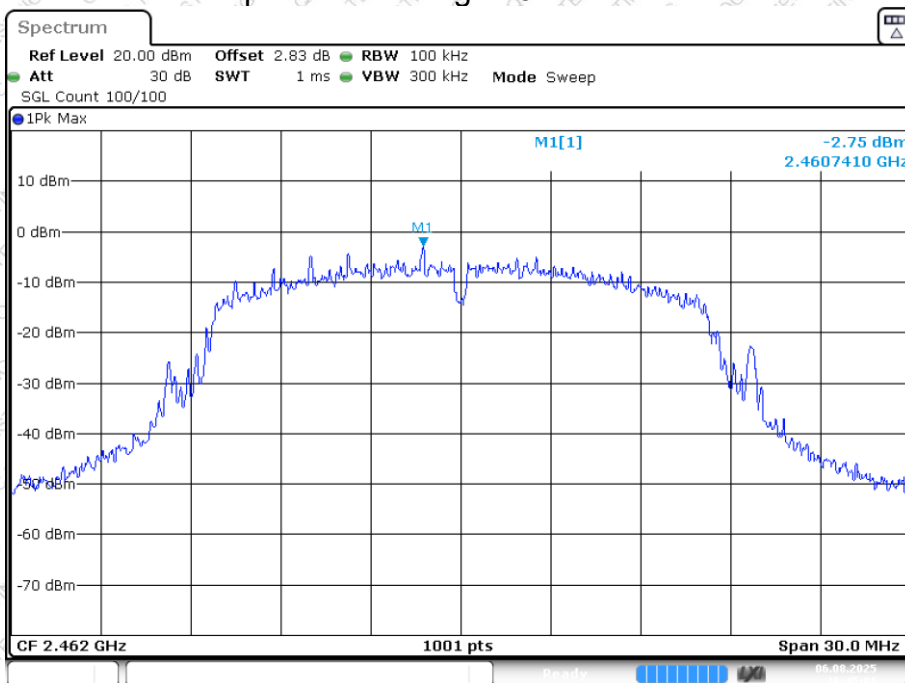


Tx. Spurious NVNT g 2437MHz Ant1 Emission



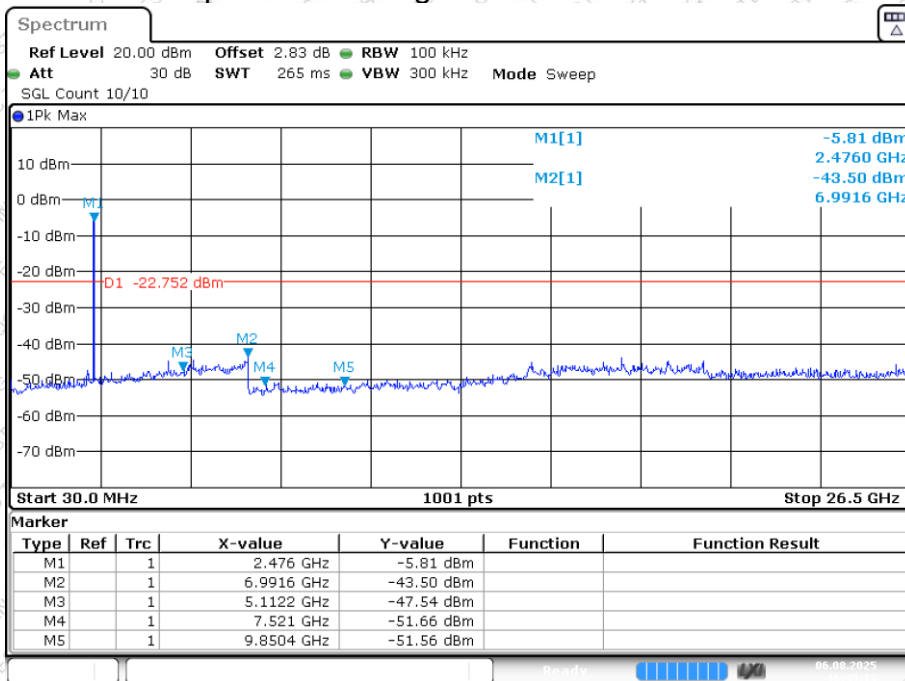


Tx. Spurious NVNT g 2462MHz Ant1 Ref



Date: 6.AUG.2025 16:45:01

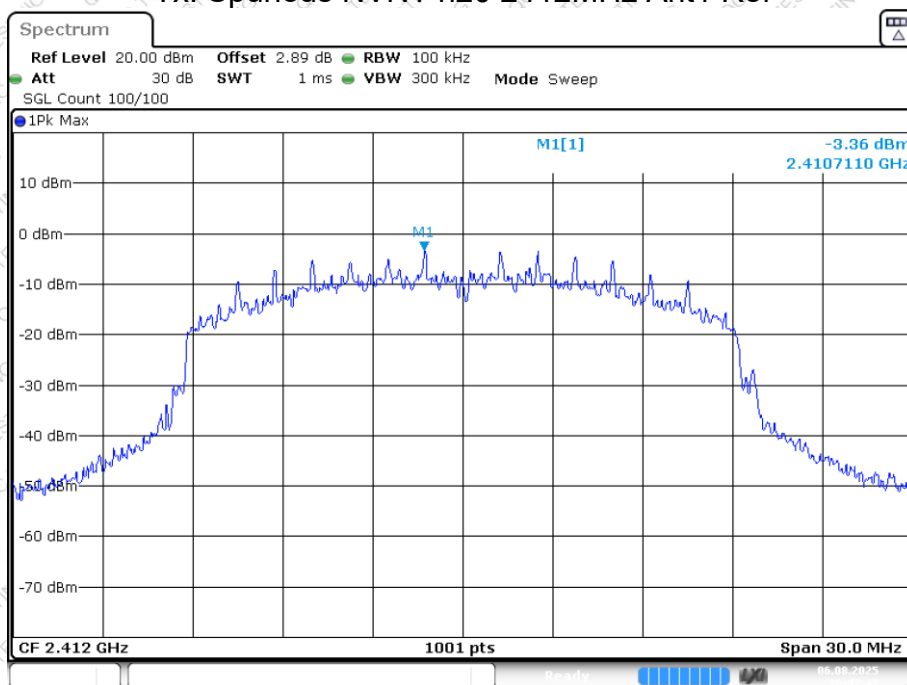
Tx. Spurious NVNT g 2462MHz Ant1 Emission



Date: 6.AUG.2025 16:45:14

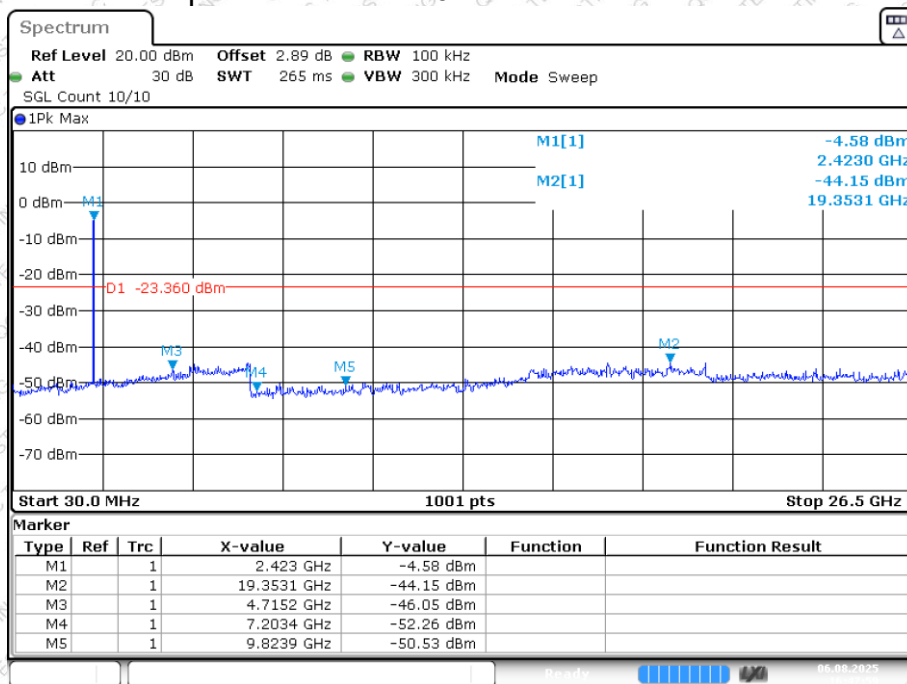


Tx. Spurious NVNT n20 2412MHz Ant1 Ref



Date: 6.AUG.2025 16:47:47

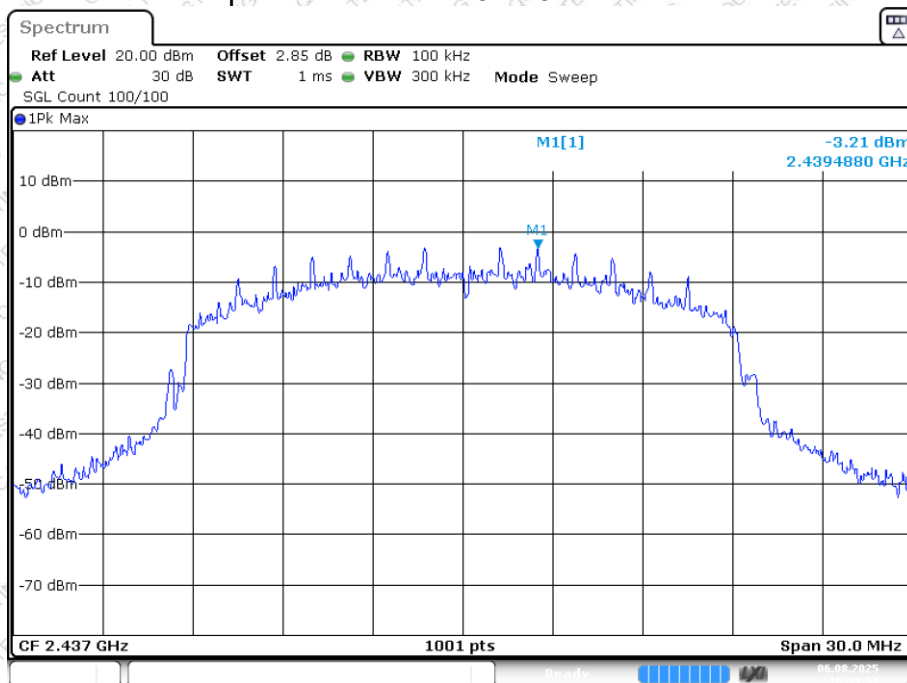
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Date: 6.AUG.2025 16:48:00

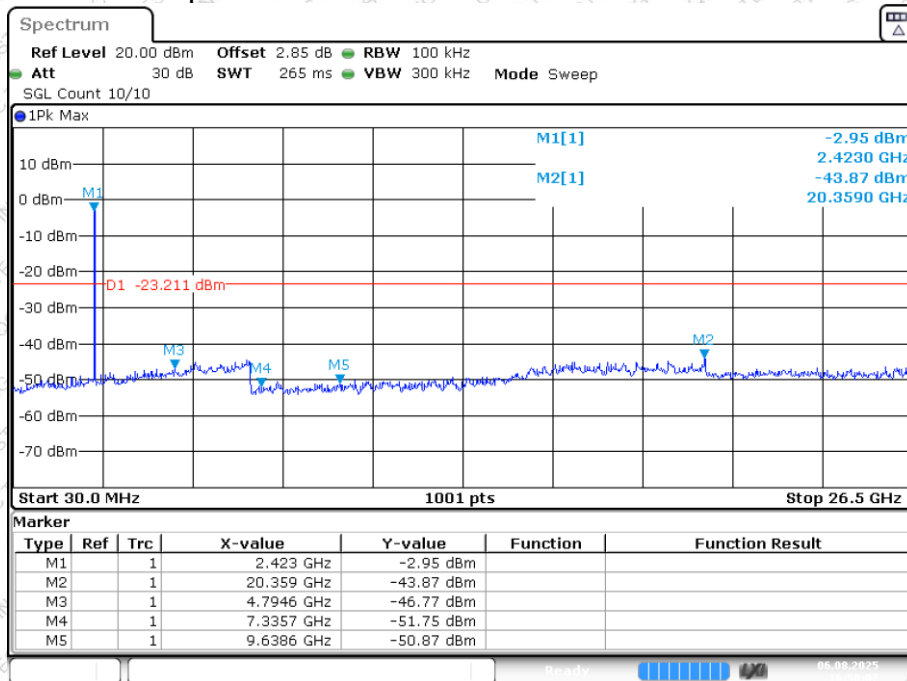


Tx. Spurious NVNT n20 2437MHz Ant1 Ref



Date: 6.AUG.2025 16:49:55

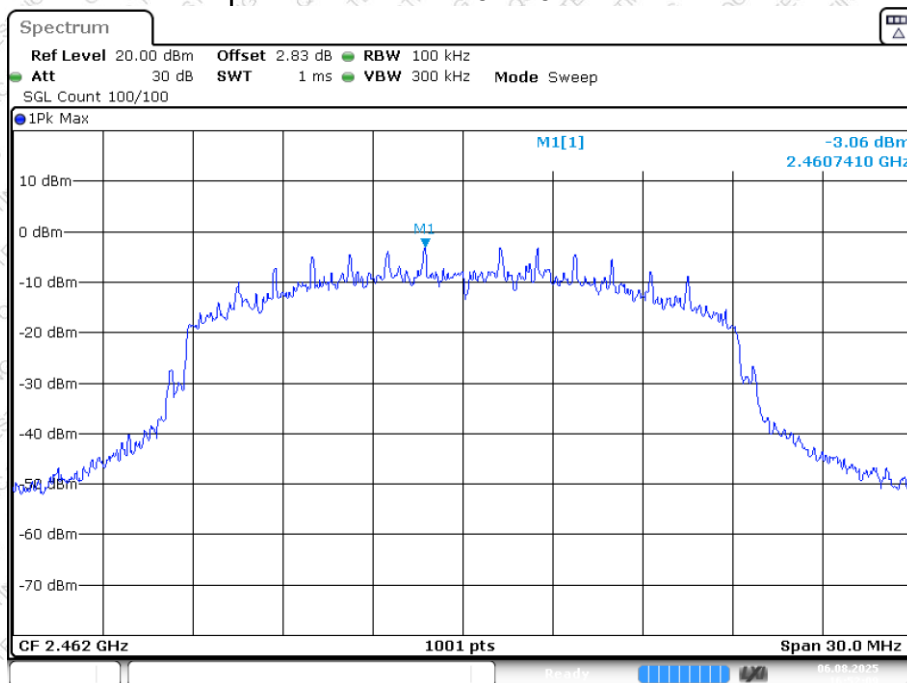
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Date: 6.AUG.2025 16:50:07

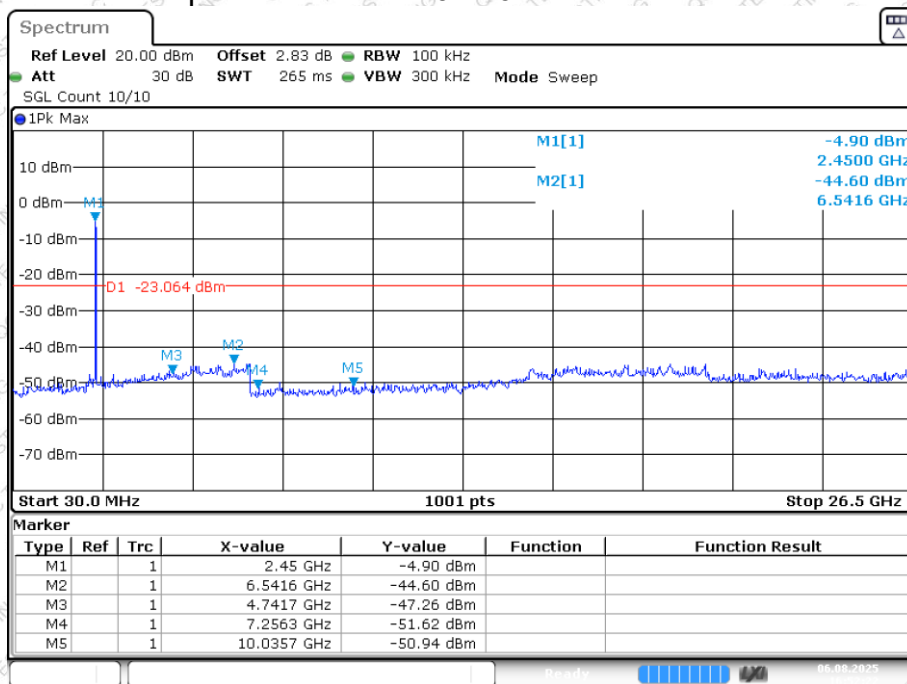


Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Date: 6.AUG.2025 16:52:10

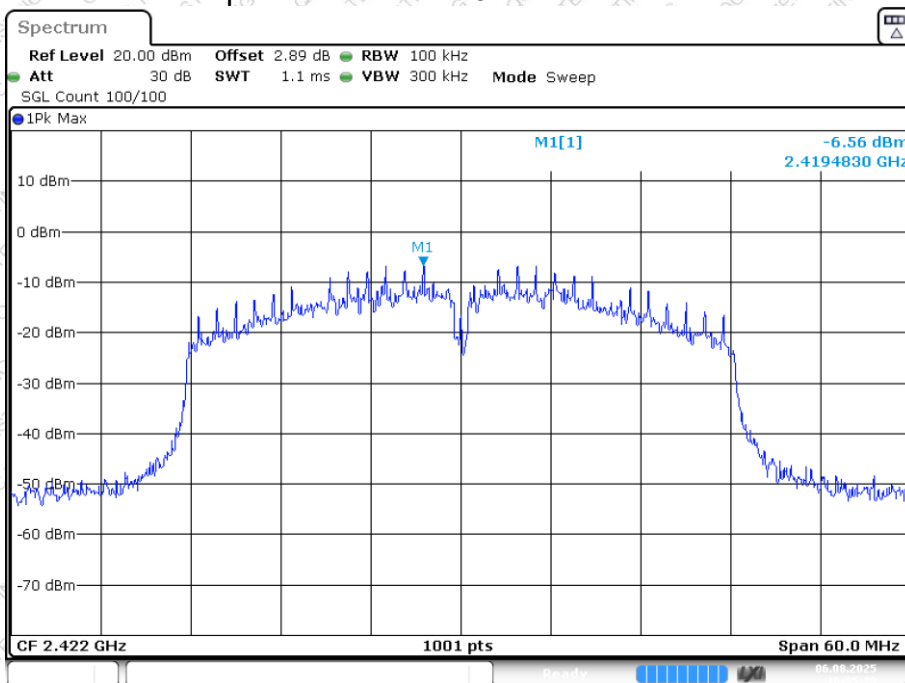
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



Date: 6.AUG.2025 16:52:22

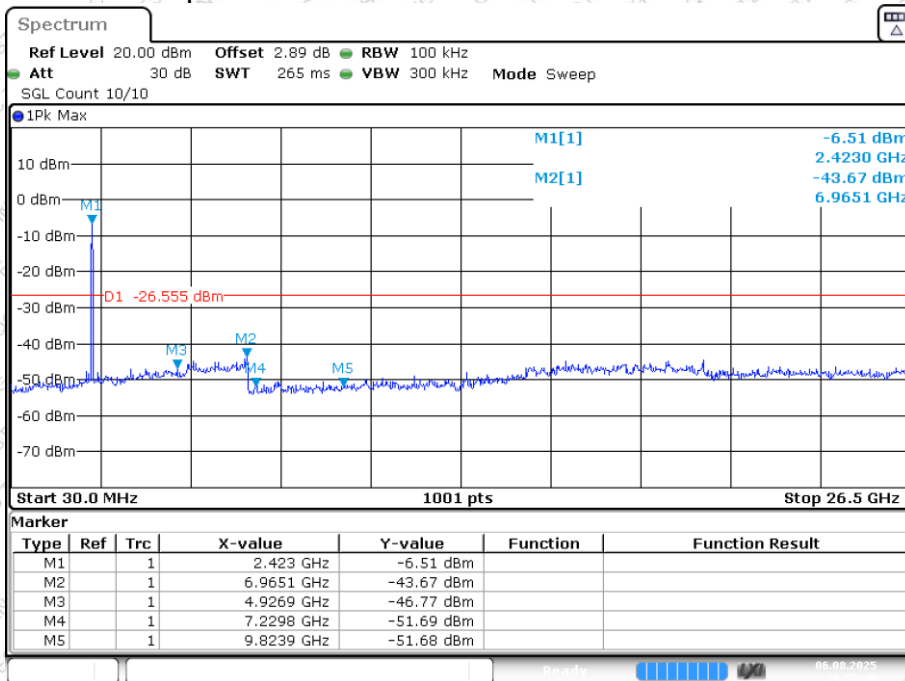


Tx. Spurious NVNT n40 2422MHz Ant1 Ref



Date: 6.AUG.2025 16:55:28

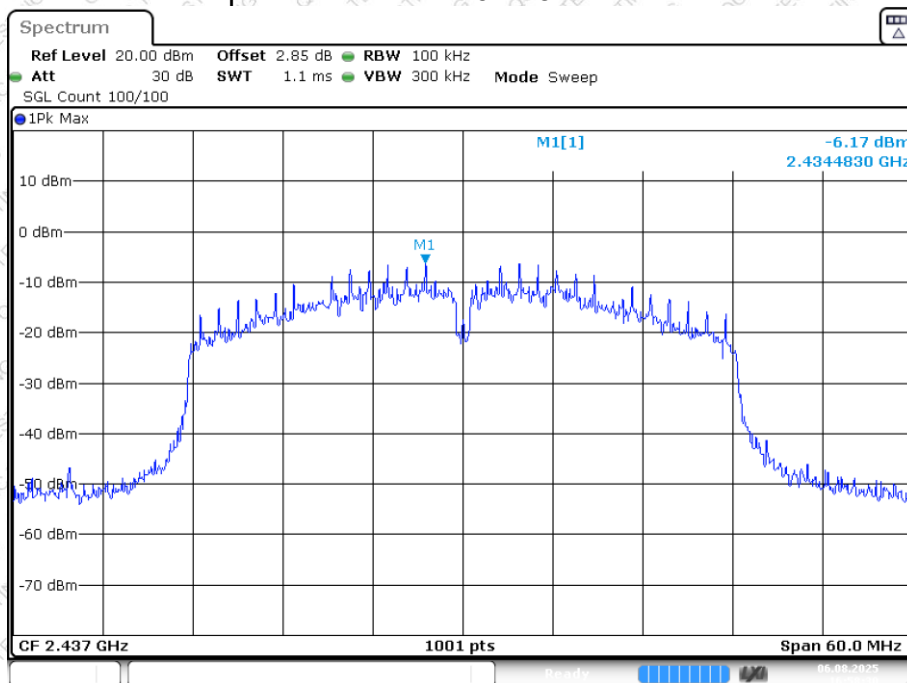
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



Date: 6.AUG.2025 16:55:41

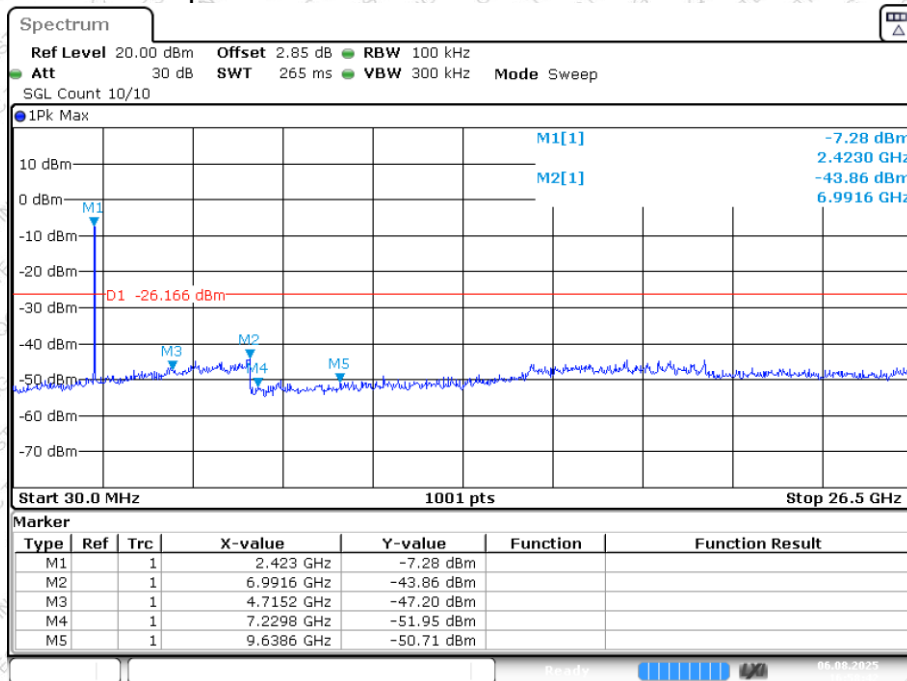


Tx. Spurious NVNT n40 2437MHz Ant1 Ref



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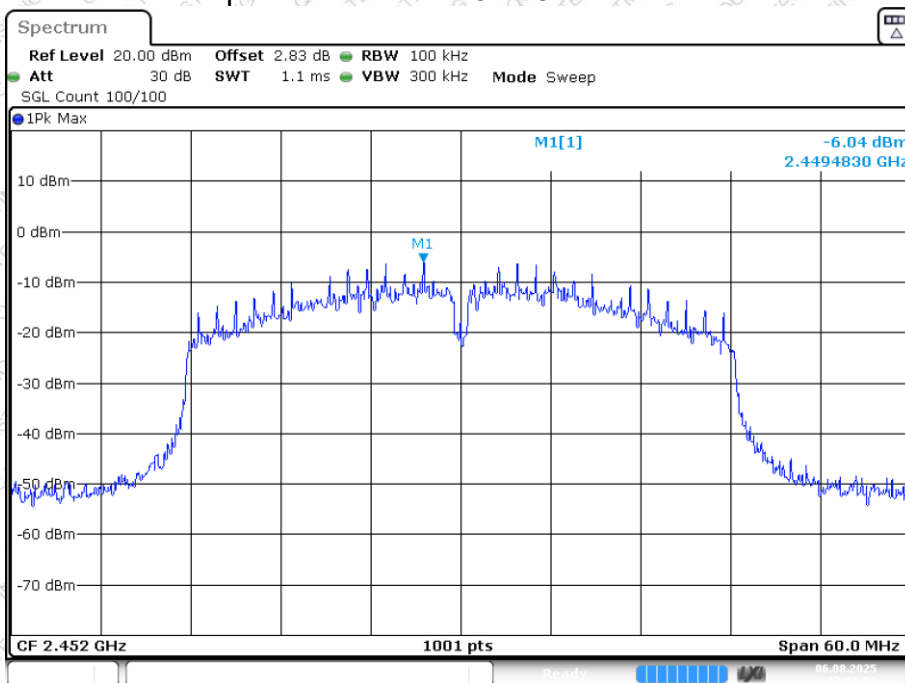
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Date: 6.AUG.2025 16:58:43

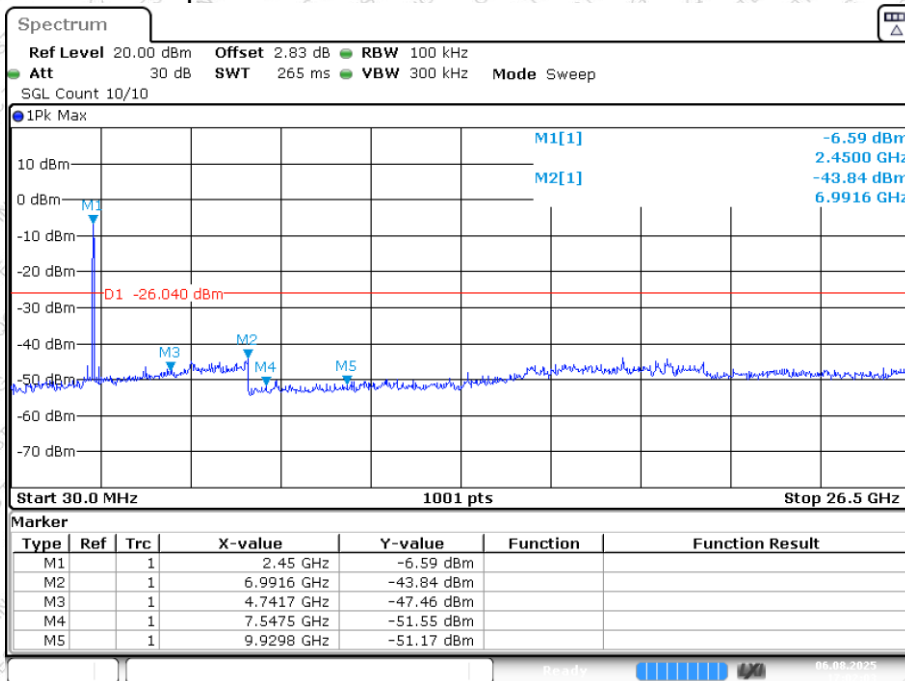


Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Date: 6.AUG.2025 17:01:51

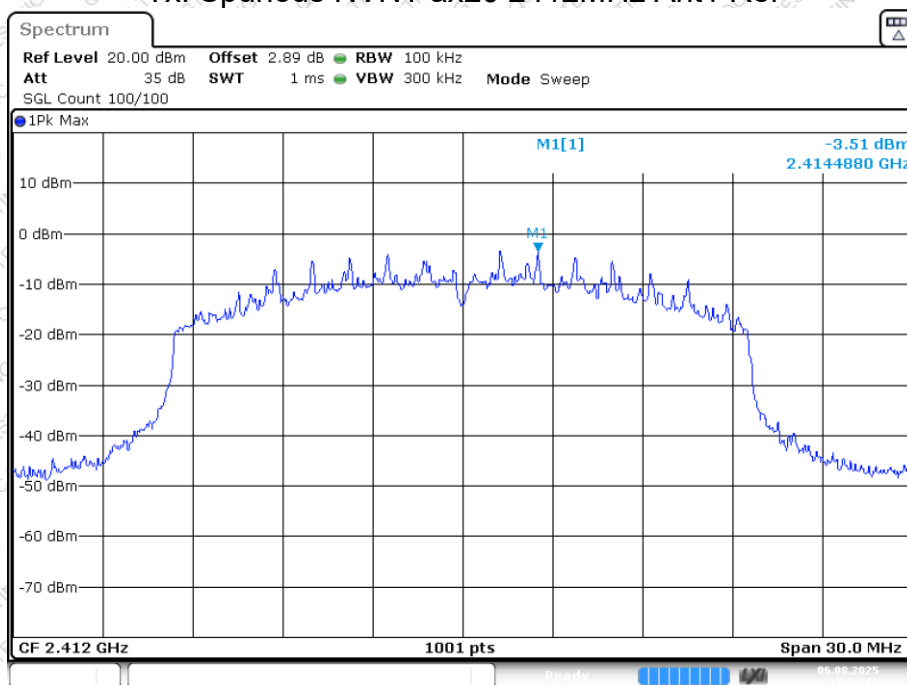
Tx. Spurious NVNT n40 2452MHz Ant1 Emission



Date: 6.AUG.2025 17:02:03

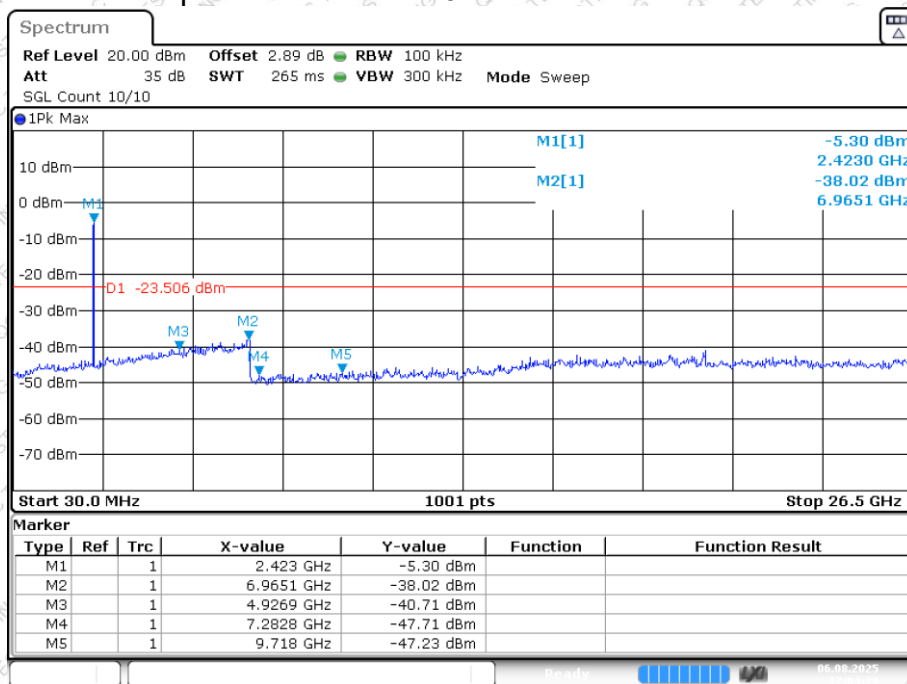


Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



Date: 6.AUG.2025 17:04:17

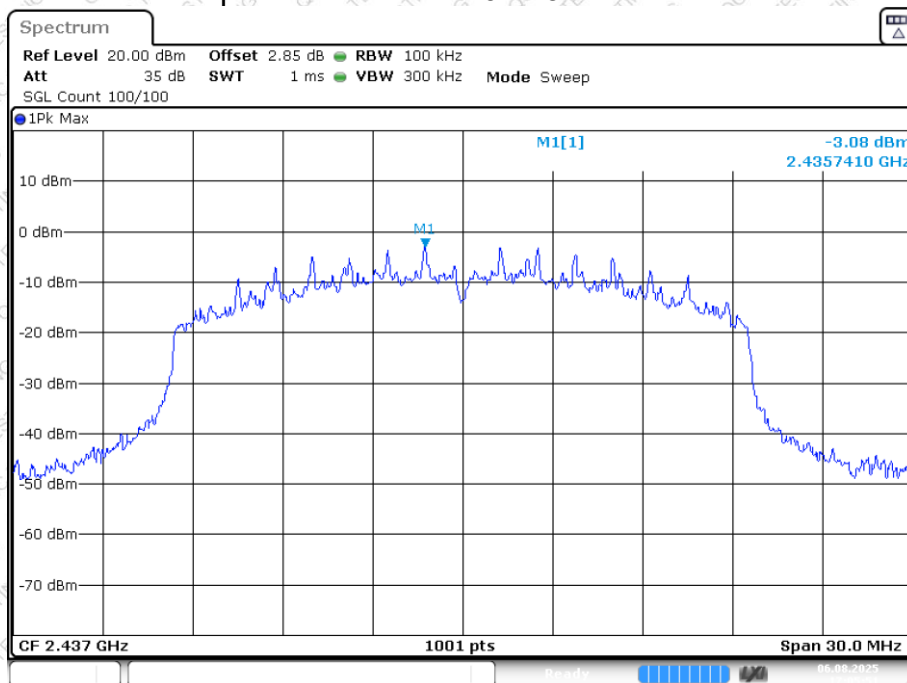
Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



Date: 6.AUG.2025 17:04:29

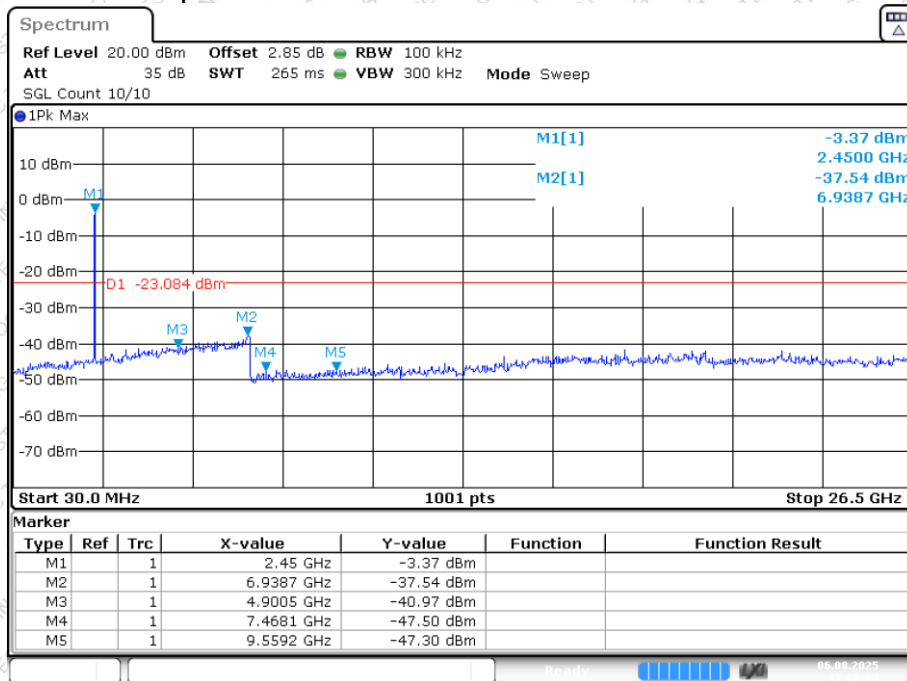


Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



Date: 6.AUG.2025 17:05:52

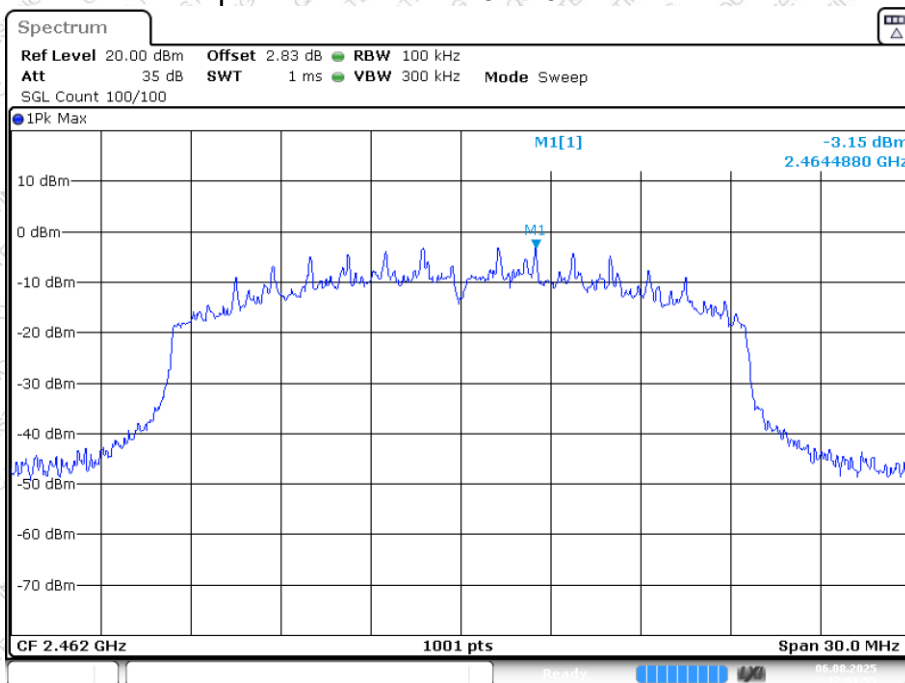
Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



Date: 6.AUG.2025 17:06:05

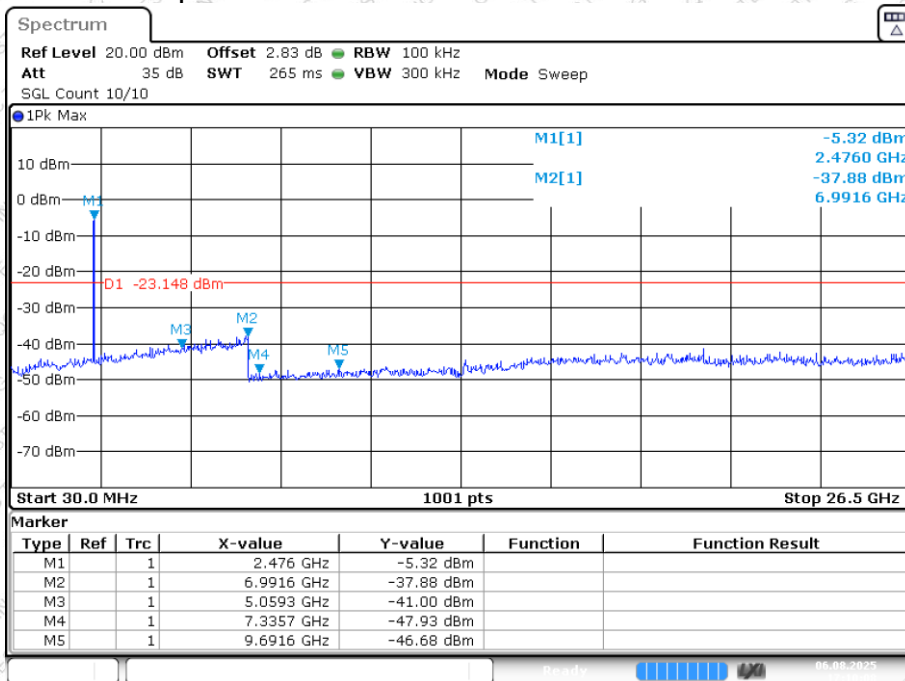


Tx. Spurious NVNT ax20 2462MHz Ant1 Ref



Date: 6.AUG.2025 17:09:55

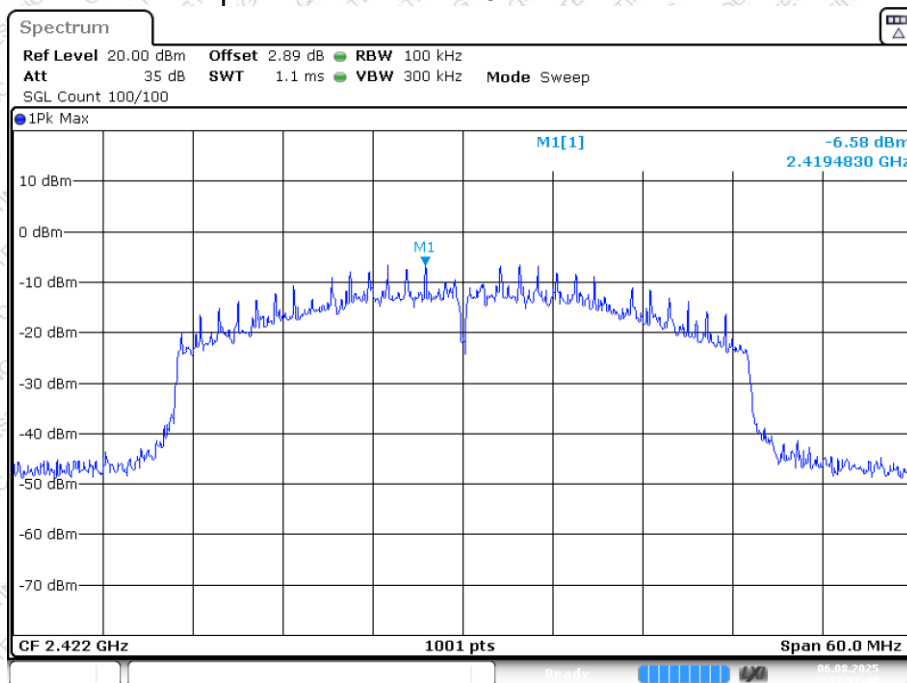
Tx. Spurious NVNT ax20 2462MHz Ant1 Emission



Date: 6.AUG.2025 17:10:08

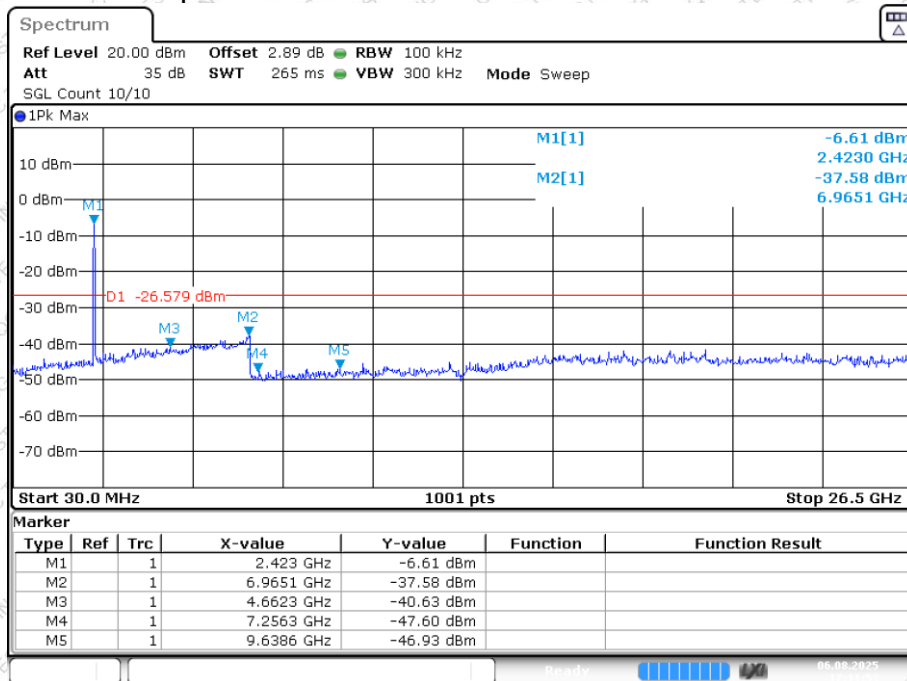


Tx. Spurious NVNT ax40 2422MHz Ant1 Ref



Date: 6.AUG.2025 17:11:41

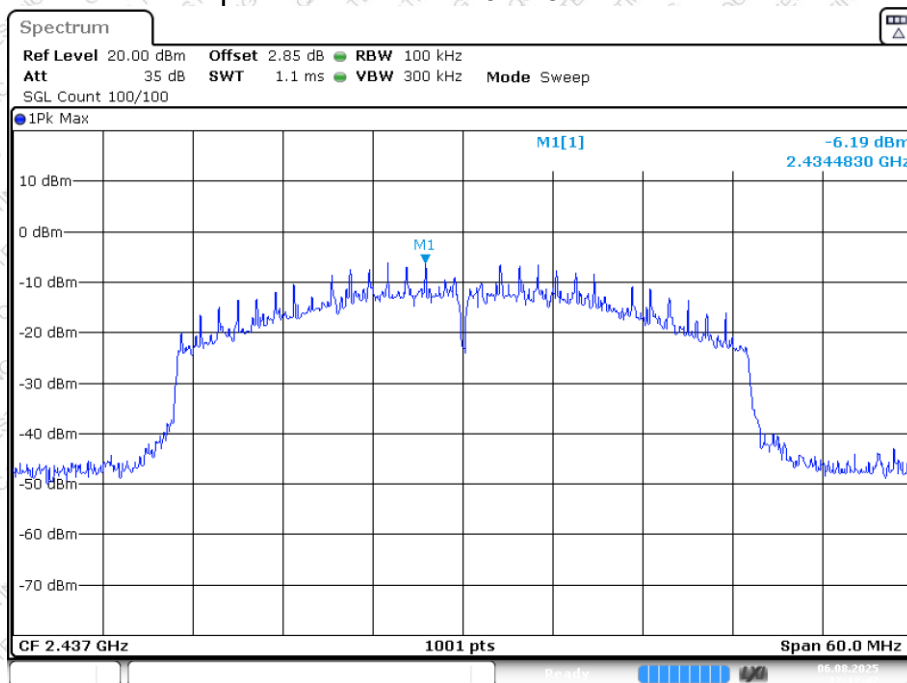
Tx. Spurious NVNT ax40 2422MHz Ant1 Emission



Date: 6.AUG.2025 17:11:53

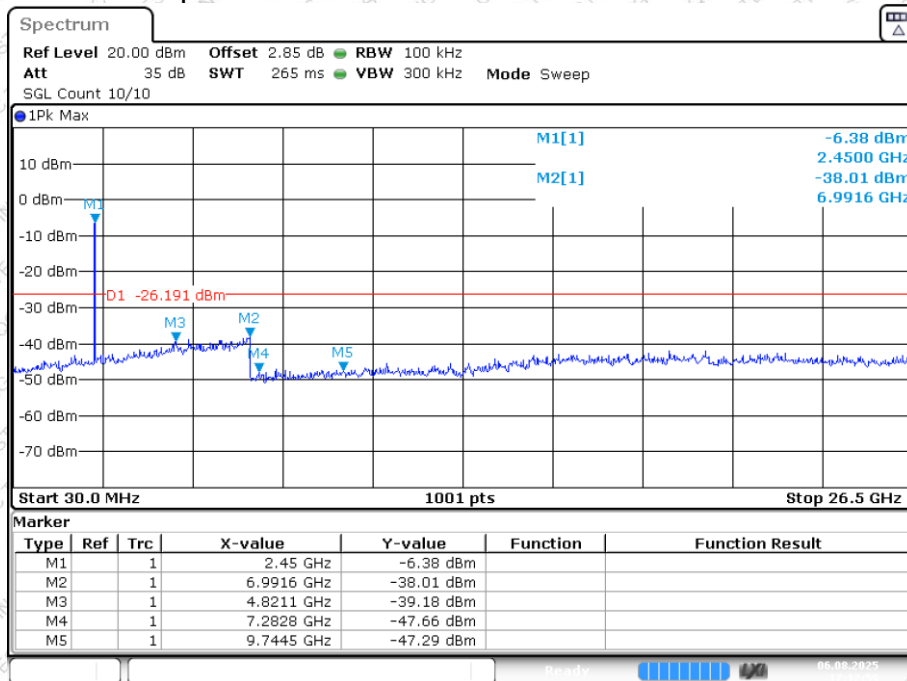


Tx. Spurious NVNT ax40 2437MHz Ant1 Ref



Date: 6.AUG.2025 17:12:47

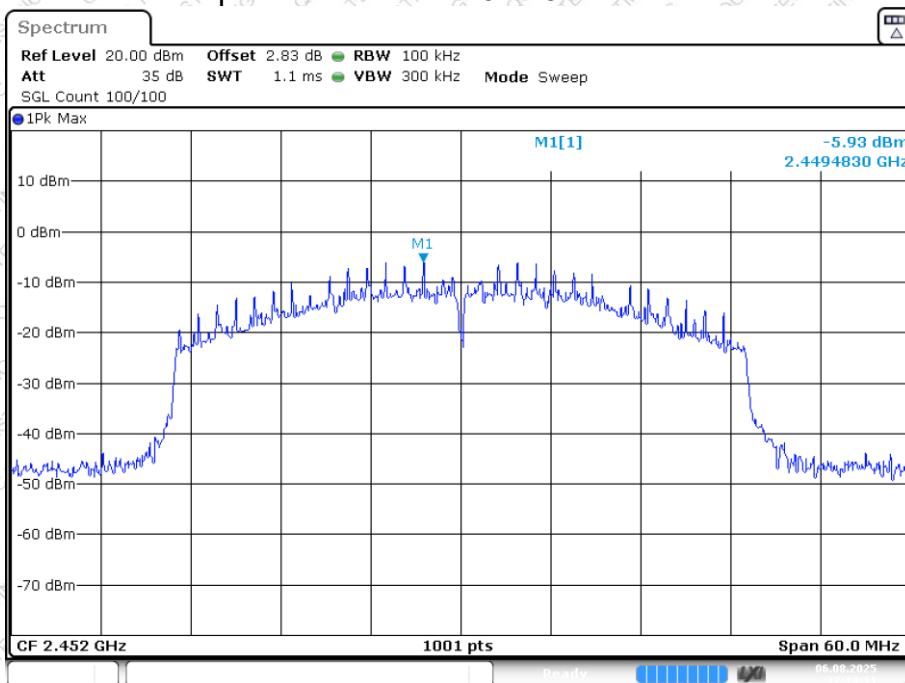
Tx. Spurious NVNT ax40 2437MHz Ant1 Emission



Date: 6.AUG.2025 17:12:59

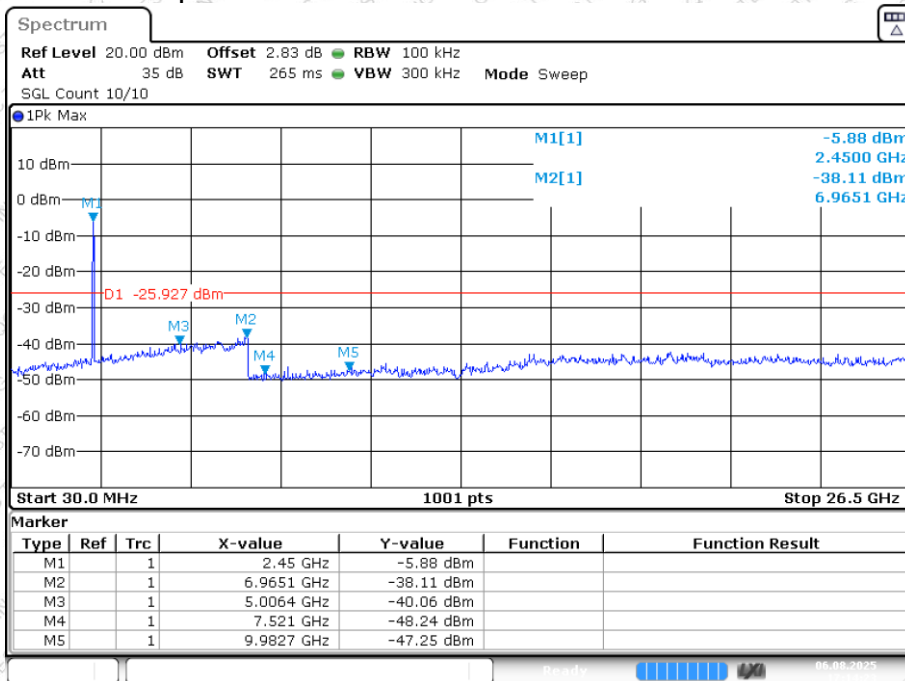


Tx. Spurious NVNT ax40 2452MHz Ant1 Ref



Date: 6.AUG.2025 17:14:11

Tx. Spurious NVNT ax40 2452MHz Ant1 Emission



Date: 6.AUG.2025 17:14:23

9.2 Radiated Emission Method

9.2.1 Applicable Standard

FCC Part15 C Section 15.209 and 15.205

9.2.2 Limit

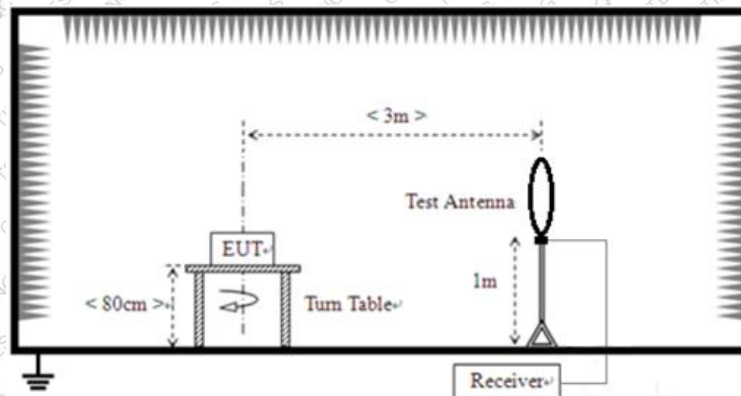
Frequency	Limit (uV/m)	Value	Measurement Distance
0.009MHz-0.490MHz	2400/F(KHz)	QP	300m
0.490MHz-1.705MHz	24000/F(KHz)	QP	30m
1.705MHz-30MHz	30	QP	30m

Frequency	Field Strengths Limits (uV/m at 3 m)	Field Strengths Limits (dBuV/m at 3 m)	Remark
30 – 88	100	40.0	Quasi-peak
88 – 216	150	43.5	Quasi-peak
216 – 960	200	46.0	Quasi-peak
Above 960	500	54.0	Quasi-peak
Above 1GHz	/	74.0	Peak
		54.0	Average

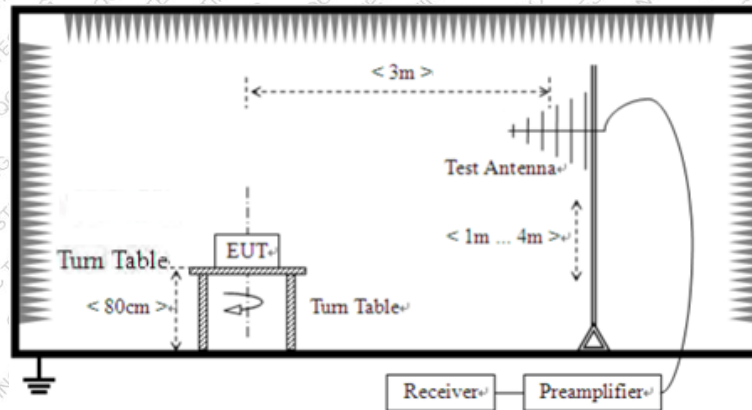
Note: $\text{dBuV/m} = 20\log(\mu\text{V/m})$

9.2.3 Test setup

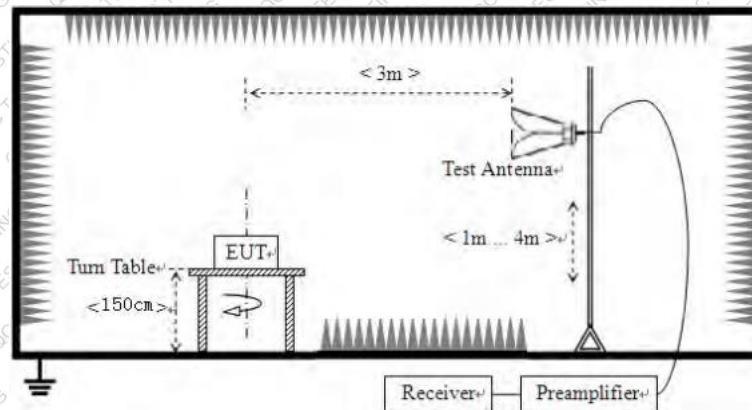
For radiated emissions from 9kHz to 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



9.2.4 EMI Test Receiver Setup

Frequency	RBW	VBW	IF B/W	Measurement
9KHz-150KHz	200Hz	600Hz	/	QP
150KHz-30MHz	9KHz	30KHz	/	QP
30 MHz – 1000 MHz	100 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	Peak
	1 MHz	10 Hz	/	Average

Remark: For the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission test in these three bands are based on measurements employing an average detector.

9.2.5 Test procedure

- The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna



are set to make the measurement.

- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

9.2.6 Test Data

Temperature	25-26 °C	Humidity	49-54 %
ATM Pressure	101.1kPa	Antenna Gain	-1.04dBi
Test by	Fan Yang	Test result	PASS

Remarks:

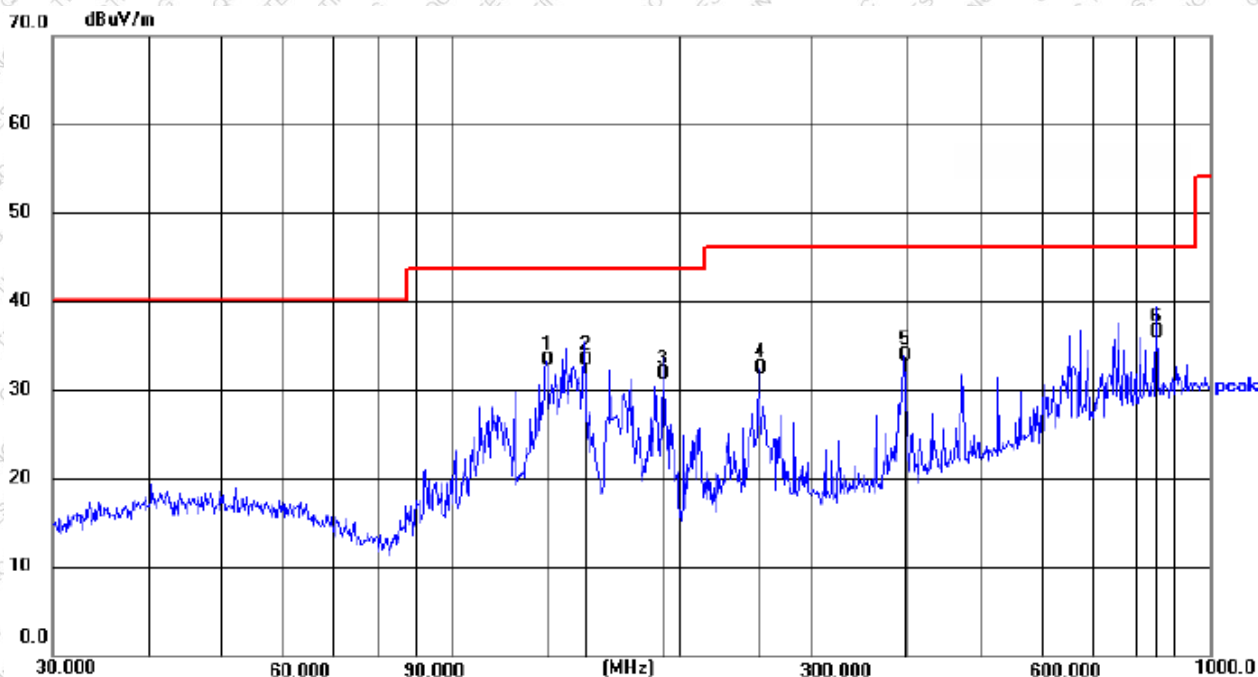
1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y- axis which it is worse case.
2. Data of measurement within frequency range 9kHz-30MHz, 1-26GHz are the noise floor or attenuated more than 20dB below the permissible limits or the field strength is too small to be measured, so test data does not present in this report.



Below 1GHz

Pre-scan all test modes, found worst case at 802.11b mode 2412MHz, and so only show the test result of 802.11b mode 2412MHz

Horizontal:

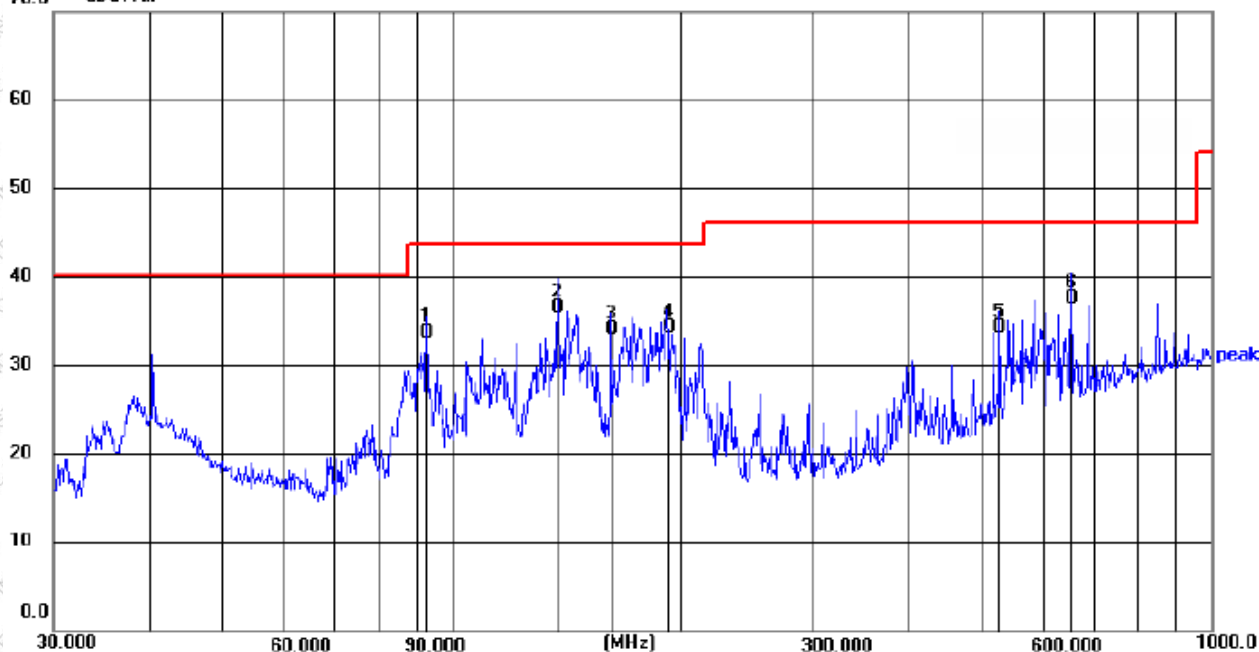


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	133.6188	19.45	13.93	33.38	43.50	10.12	QP
2	150.0108	19.04	14.37	33.41	43.50	10.09	QP
3	190.4050	20.13	11.56	31.69	43.50	11.81	QP
4	254.7284	19.29	13.23	32.52	46.00	13.48	QP
5	394.8545	16.44	17.43	33.87	46.00	12.13	QP
6 *	851.0353	10.95	25.46	36.41	46.00	9.59	QP



Vertical:

70.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	92.7871	23.25	10.40	33.65	43.50	9.85	QP
2 *	137.9028	22.23	14.18	36.41	43.50	7.09	QP
3	162.0414	19.79	14.19	33.98	43.50	9.52	QP
4	192.4186	22.85	11.45	34.30	43.50	9.20	QP
5	526.3967	14.19	20.02	34.21	46.00	11.79	QP
6	654.2318	15.34	22.12	37.46	46.00	8.54	QP



Above 1GHz

Frequency (MHz)	Read Level (dBμV)	polarization	Factor (dB/m)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
11b Low Channel							
2310	59.01	H	-22.55	36.46	74	37.54	peak
2310	61.74	V	-22.55	39.19	74	34.81	peak
2386.1	81.60	H	-22.4	59.20	74	14.80	peak
2386.1	71.77	H	-22.4	49.37	54	4.63	AVG
2386.0	81.40	V	-22.4	59.00	74	15.00	peak
2386.0	72.57	V	-22.4	50.17	54	3.83	AVG
2390	73.15	H	-22.39	50.76	74	23.24	peak
2390	74.74	V	-22.39	52.35	74	21.65	peak
4824	67.40	H	-18.8	48.60	74	25.40	peak
4824	64.80	V	-18.8	46.00	74	28.00	peak
11b Middle Channel							
4874	63.75	H	-18.64	45.11	74	28.89	peak
4874	65.26	V	-18.64	46.62	74	27.38	peak
11b High Channel							
2483.5	87.09	H	-22.2	64.89	74	9.11	peak
2483.5	72.39	H	-22.2	50.19	54	3.81	AVG
2483.5	82.99	V	-22.2	60.79	74	13.21	peak
2483.5	71.47	V	-22.2	49.27	54	4.73	AVG
2486.48	87.03	H	-22.19	64.84	74	9.16	peak
2486.48	75.12	H	-22.19	52.93	54	1.07	AVG
2487.25	85.86	V	-22.19	63.67	74	10.33	peak
2487.25	74.02	V	-22.19	51.83	54	2.17	AVG
2500	72.79	H	-22.17	50.62	74	23.38	peak
2500	66.00	V	-22.17	43.83	74	30.17	peak
4924	64.63	H	-18.48	46.15	74	27.85	peak
4924	64.69	V	-18.48	46.21	74	27.79	peak
11g Low Channel							
2310	66.58	H	-22.55	44.03	74	29.97	peak
2310	62.24	V	-22.55	39.69	74	34.31	peak
2390	85.83	H	-22.39	63.44	74	10.56	peak
2390	69.40	H	-22.39	47.01	54	6.99	AVG
2390	80.30	V	-22.39	57.91	74	16.09	peak
2390	68.92	V	-22.39	46.53	54	7.47	AVG
4824	62.11	H	-18.8	43.31	74	30.69	peak
4824	60.94	V	-18.8	42.14	74	31.86	peak
11g Middle Channel							
4874	60.95	H	-18.64	42.31	74	31.69	peak
4874	59.77	V	-18.64	41.13	74	32.87	peak



11g High Channel							
2483.5	87.09	H	-22.2	64.89	74	9.11	peak
2483.5	72.39	H	-22.2	50.19	54	3.81	AVG
2483.5	82.99	V	-22.2	60.79	74	13.21	peak
2483.5	71.47	V	-22.2	49.27	54	4.73	AVG
2500	72.79	H	-22.17	50.62	74	23.38	peak
2500	66.00	V	-22.17	43.83	74	30.17	peak
4924	60.73	H	-18.48	42.25	74	31.75	peak
4924	60.47	V	-18.48	41.99	74	32.01	peak
11n20 Low Channel							
2310	67.72	H	-22.55	45.17	74	28.83	peak
2310	64.01	V	-22.55	41.46	74	32.54	peak
2390	87.77	H	-22.39	65.38	74	8.62	peak
2390	69.67	H	-22.39	47.28	54	6.72	AVG
2390	81.65	V	-22.39	59.26	74	14.74	peak
2390	66.58	V	-22.39	44.19	54	9.81	AVG
4824	60.32	H	-18.8	41.52	74	32.48	peak
4824	60.58	V	-18.8	41.78	74	32.22	peak
11n20 Middle Channel							
4874	60.38	H	-18.64	41.74	74	32.26	peak
4874	58.69	V	-18.64	40.05	74	33.95	peak
11n20 High Channel							
2483.5	86.04	H	-22.2	63.84	74	10.16	peak
2483.5	73.11	H	-22.2	50.91	54	3.09	AVG
2483.5	86.91	V	-22.2	64.71	74	9.29	peak
2483.5	68.28	V	-22.2	46.08	54	7.92	AVG
2500	69.61	H	-22.17	47.44	74	26.56	peak
2500	67.42	V	-22.17	45.25	74	28.75	peak
4924	60.05	H	-18.48	41.57	74	32.43	peak
4924	61.33	V	-18.48	42.85	74	31.15	peak
11n40 Low Channel							
2310	66.47	H	-22.55	43.92	74	30.08	peak
2310	64.45	V	-22.55	41.90	74	32.10	peak
2390	89.14	H	-22.39	66.75	74	7.25	peak
2390	74.22	H	-22.39	51.83	54	2.17	AVG
2390	84.28	V	-22.39	61.89	74	12.11	peak
2390	70.48	V	-22.39	48.09	54	5.91	AVG
4844	60.63	H	-18.74	41.89	74	32.11	peak
4844	60.53	V	-18.74	41.79	74	35.71	32.21
11n40 Middle Channel							
4874	59.64	H	-18.64	41.00	74	33.00	peak
4874	60.42	V	-18.64	41.78	74	32.22	peak
11n40 High Channel							
2483.5	82.08	H	-22.2	59.88	74	14.12	peak



2483.5	70.44	H	-22.2	48.24	54	5.76	AVG
2483.5	84.69	V	-22.2	62.49	74	11.51	peak
2483.5	71.43	V	-22.2	49.23	54	4.77	AVG
2500	73.36	H	-22.17	51.19	74	22.81	peak
2500	69.23	V	-22.17	47.06	74	26.94	peak
4904	58.94	H	-18.56	40.38	74	33.62	peak
4904	60.21	V	-18.56	41.65	74	32.35	peak
11ax20 Low Channel							
2310	65.75	H	-22.55	43.20	74	30.80	peak
2310	63.44	V	-22.55	40.89	74	33.11	peak
2390	86.63	H	-22.39	64.24	74	9.76	peak
2390	70.01	H	-22.39	47.62	54	6.38	AVG
2390	78.65	V	-22.39	56.26	74	17.74	peak
2390	65.57	V	-22.39	43.18	54	10.82	AVG
4824	58.32	H	-18.8	39.52	74	34.48	peak
4824	60.58	V	-18.8	41.78	74	32.22	peak
11ax20 Middle Channel							
4874	59.30	H	-18.64	40.66	74	33.34	peak
4874	58.99	V	-18.64	40.35	74	33.65	peak
11ax20 High Channel							
2483.5	88.09	H	-22.2	65.89	74	8.11	peak
2483.5	73.92	H	-22.2	51.72	54	2.28	AVG
2483.5	82.73	V	-22.2	60.53	74	13.47	peak
2483.5	69.32	V	-22.2	47.12	54	6.88	AVG
2500	72.50	H	-22.17	50.33	74	23.67	peak
2500	66.19	V	-22.17	44.02	74	29.98	peak
4924	59.05	H	-18.48	40.57	74	33.43	peak
4924	61.12	V	-18.48	42.64	74	31.36	peak
11ax40 Low Channel							
2310	66.56	H	-22.55	44.01	74	29.99	peak
2310	63.16	V	-22.55	40.61	74	33.39	peak
2387.34	87.57	H	-22.4	65.17	74	8.83	peak
2387.34	74.22	H	-22.4	51.82	54	2.18	AVG
2390	86.05	H	-22.39	63.66	74	10.34	peak
2390	71.75	H	-22.39	49.36	54	4.64	AVG
2390	86.66	V	-22.39	64.27	74	9.73	peak
2390	70.19	V	-22.39	47.80	54	6.20	AVG
4844	61.63	H	-18.74	42.89	74	31.11	peak
4844	59.53	V	-18.74	40.79	74	33.21	peak
11ax40 Middle Channel							
4874	58.14	H	-18.64	39.50	74	34.50	peak
4874	58.42	V	-18.64	39.78	74	34.22	peak
11ax40 High Channel							
2483.5	78.16	H	-22.2	55.96	74	18.04	peak



2483.5	69.01	H	-22.2	46.81	54	7.19	AVG
2483.5	79.00	V	-22.2	56.80	74	17.20	peak
2483.5	65.19	V	-22.2	42.99	54	11.01	AVG
2486.48	85.03	H	-22.19	62.84	74	1.16	peak
2486.48	73.93	H	-22.19	51.74	54	2.26	AVG
2487.25	85.36	V	-22.19	63.17	74	10.83	peak
2487.25	73.62	V	-22.19	51.43	54	2.57	AVG
2500	70.84	H	-22.17	48.67	74	25.33	peak
2500	68.95	V	-22.17	46.78	74	27.22	peak
4904	59.94	H	-18.56	41.38	74	32.62	peak
4904	59.21	V	-18.56	40.65	74	33.35	peak

Remarks:

1. Level = Receiver Read level + Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. If the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in above table if the peak value complies with average limit.

----- THE END OF TEST REPORT -----