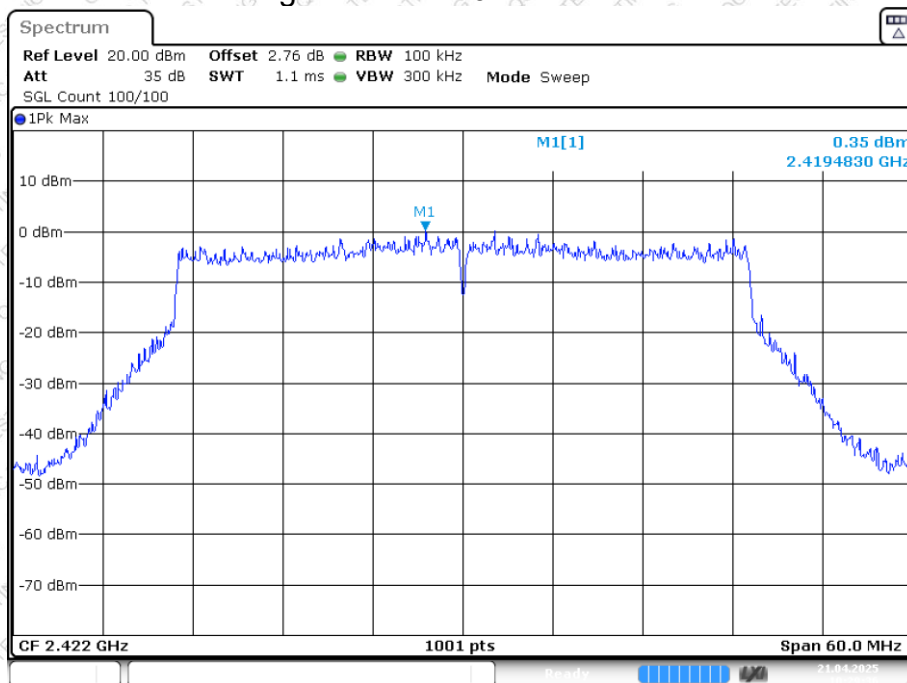


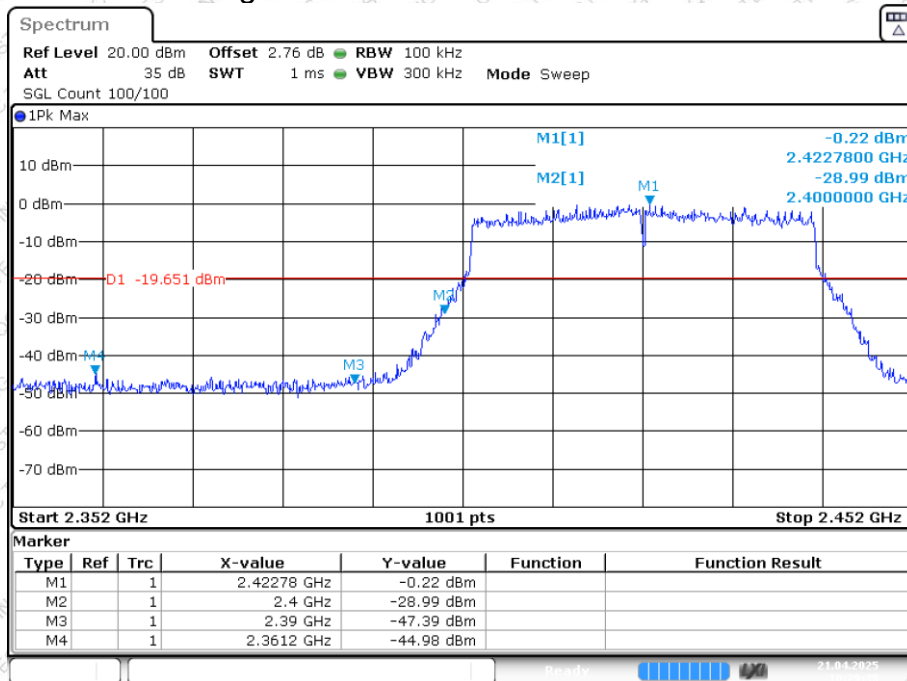


Band Edge NVNT ax40 2422MHz Ant1 Ref



Date: 21. APR 2025 10:29:37

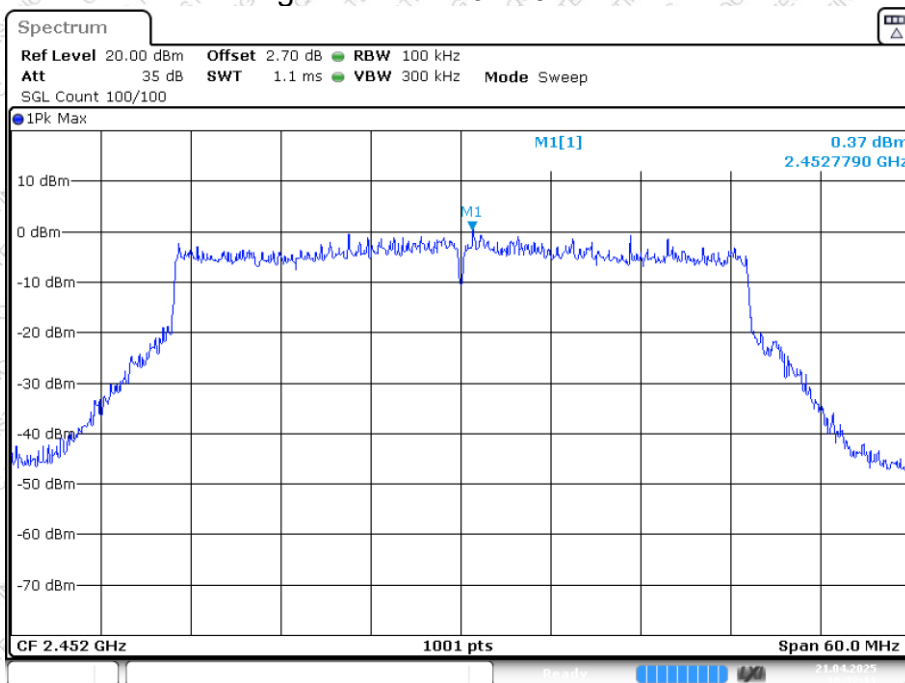
Band Edge NVNT ax40 2422MHz Ant1 Emission



Date: 21. APR 2025 10:29:39

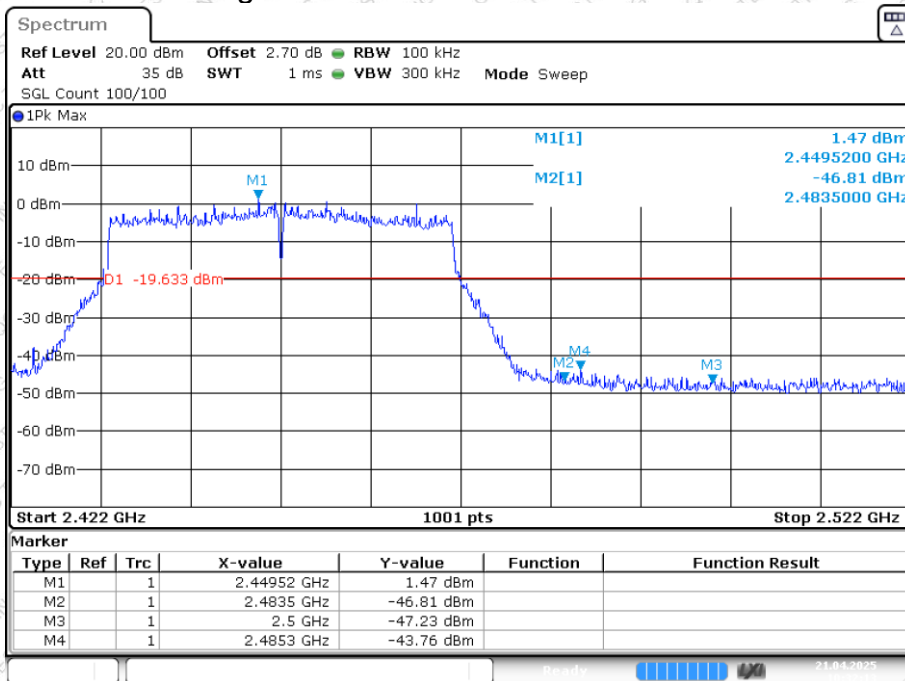


Band Edge NVNT ax40 2452MHz Ant1 Ref



Date: 21. APR 2025 10:32:12

Band Edge NVNT ax40 2452MHz Ant1 Emission



Date: 21. APR 2025 10:32:13

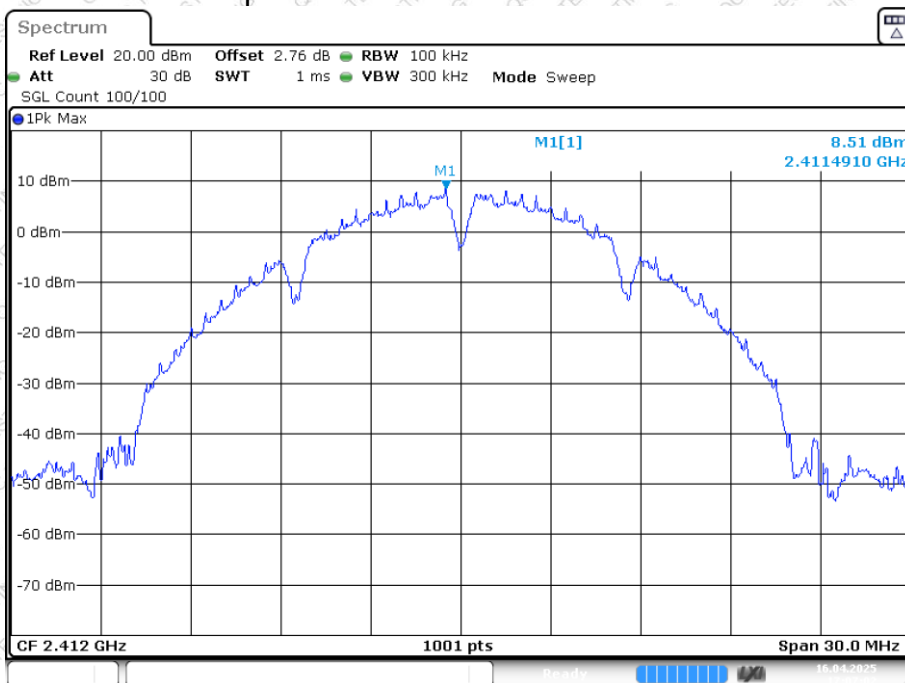


Conducted RF Spurious Emission:

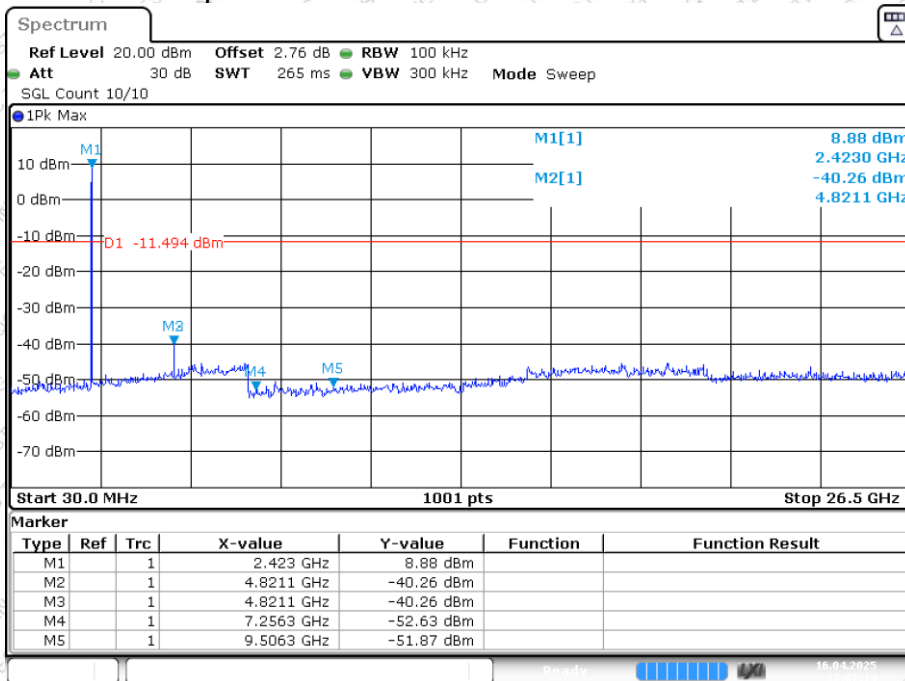
Modulation	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	-48.77	-20	Pass
b	2437	-49.17	-20	Pass
b	2462	-49.41	-20	Pass
g	2412	-43.2	-20	Pass
g	2437	-41.79	-20	Pass
g	2462	-41	-20	Pass
n20	2412	-43.1	-20	Pass
n20	2437	-41.64	-20	Pass
n20	2462	-42.68	-20	Pass
n40	2422	-39.97	-20	Pass
n40	2437	-38.79	-20	Pass
n40	2452	-40.34	-20	Pass
ax20	2412	-41.2	-20	Pass
ax20	2437	-42.55	-20	Pass
ax20	2462	-40.37	-20	Pass
ax40	2422	-38.35	-20	Pass
ax40	2437	-40.07	-20	Pass
ax40	2452	-37.7	-20	Pass



Tx. Spurious NVNT b 2412MHz Ant1 Ref

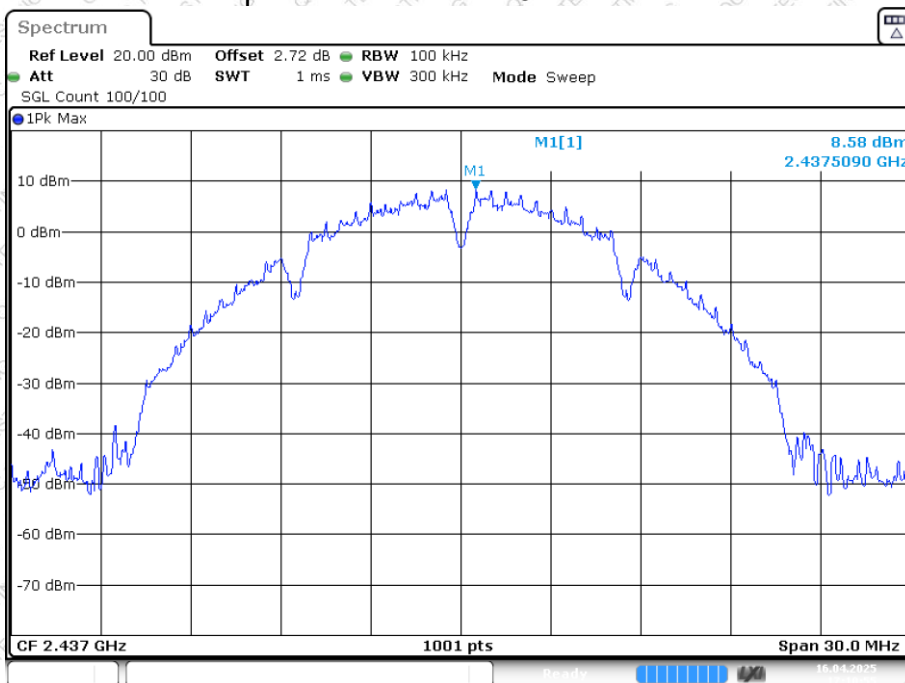


Tx. Spurious NVNT b 2412MHz Ant1 Emission



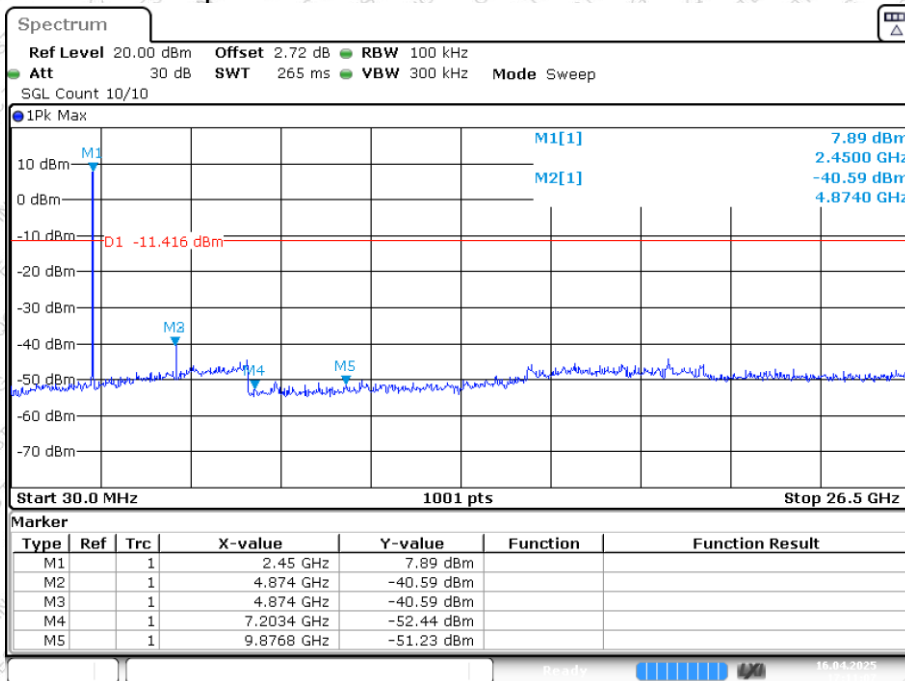


Tx. Spurious NVNT b 2437MHz Ant1 Ref



Date: 16.APR.2025 17:10:54

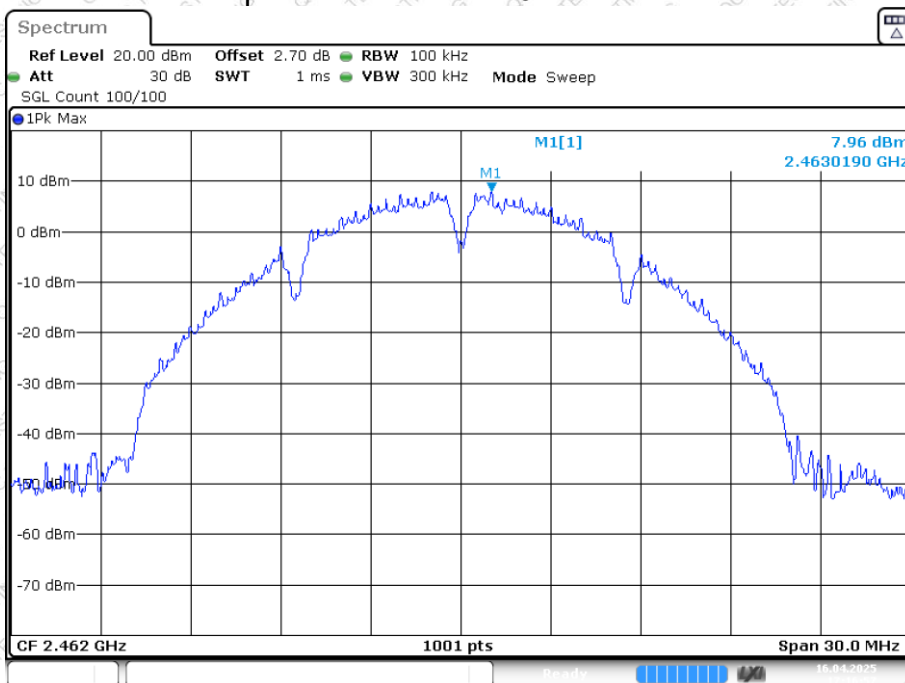
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Date: 16.APR.2025 17:11:07

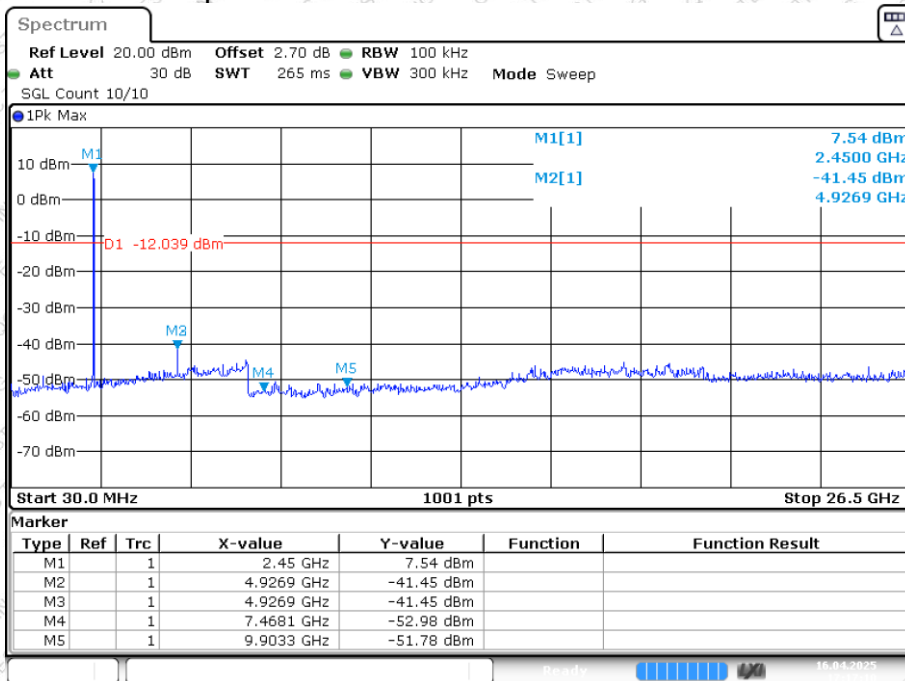


Tx. Spurious NVNT b 2462MHz Ant1 Ref



Date: 16.APR.2025 17:16:57

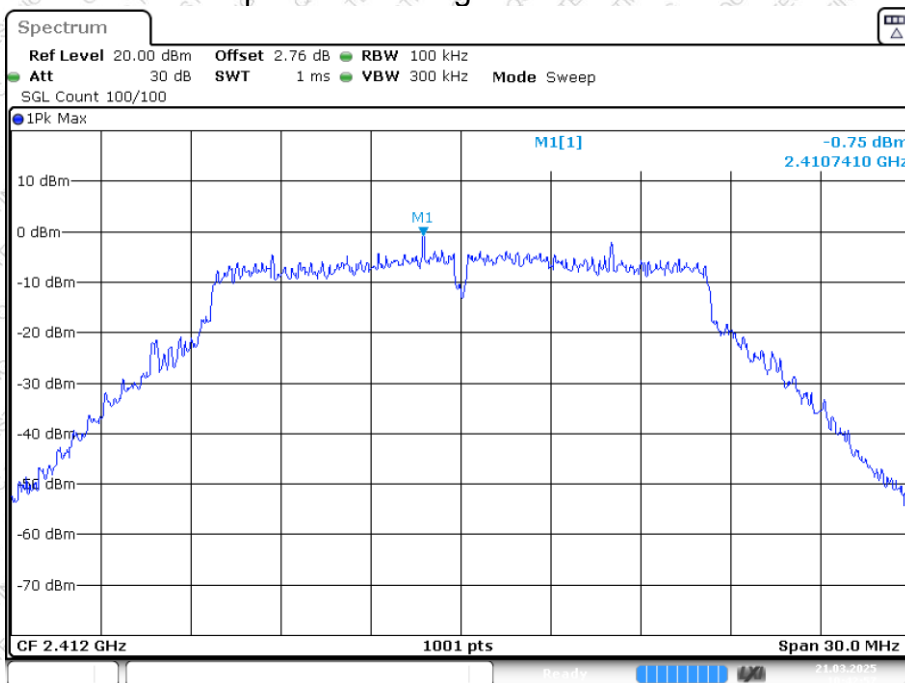
Tx. Spurious NVNT b 2462MHz Ant1 Emission



Date: 16.APR.2025 17:17:10

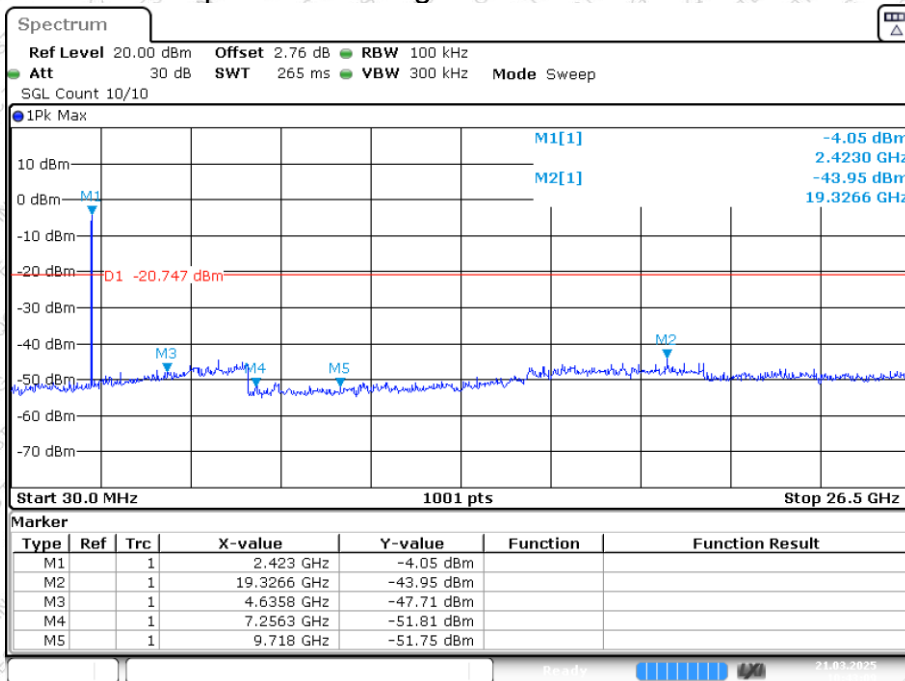


Tx. Spurious NVNT g 2412MHz Ant1 Ref



Date: 21. MAR 2025 10:42:57

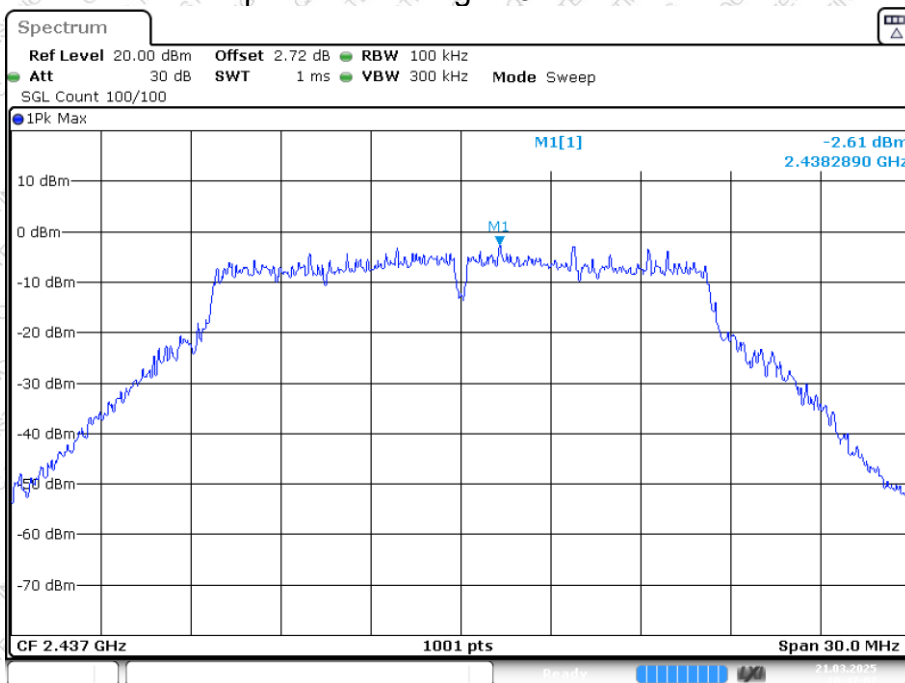
Tx. Spurious NVNT g 2412MHz Ant1 Emission



Date: 21. MAR 2025 10:43:09

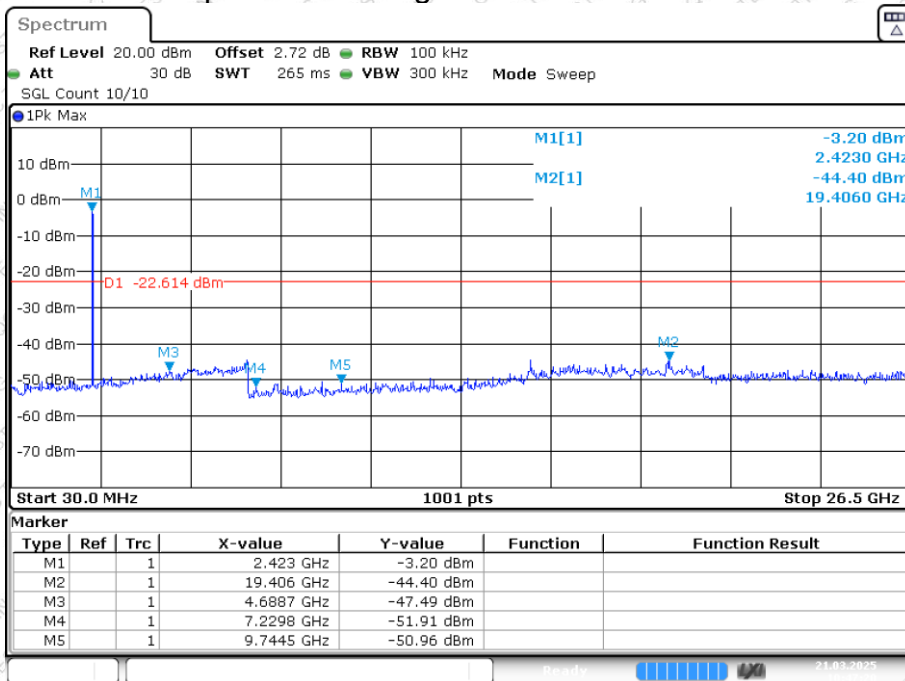


Tx. Spurious NVNT g 2437MHz Ant1 Ref



Date: 21. MAR 2025 10:47:07

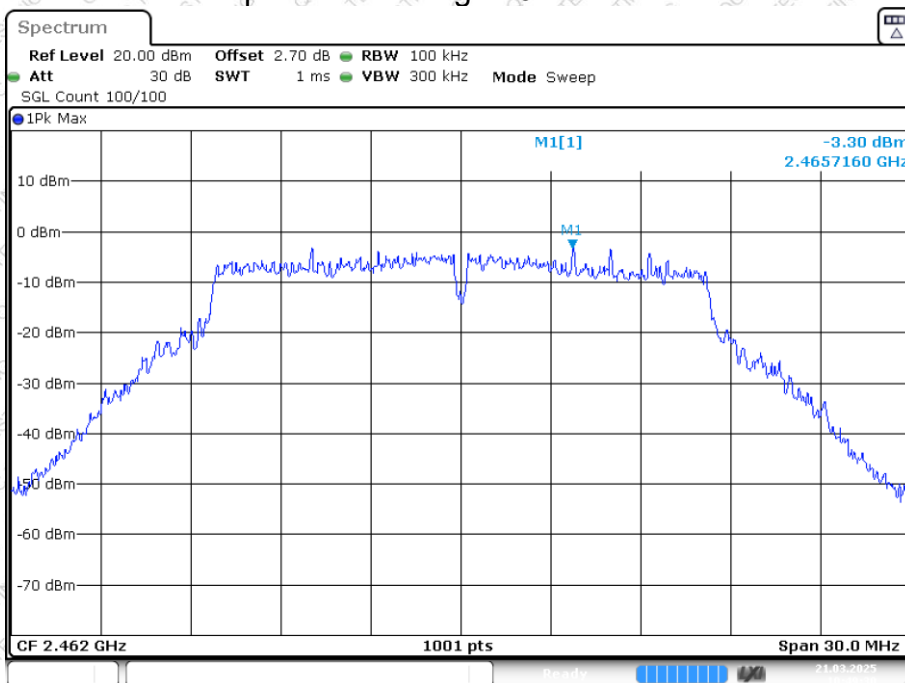
Tx. Spurious NVNT g 2437MHz Ant1 Emission



Date: 21. MAR 2025 10:47:20

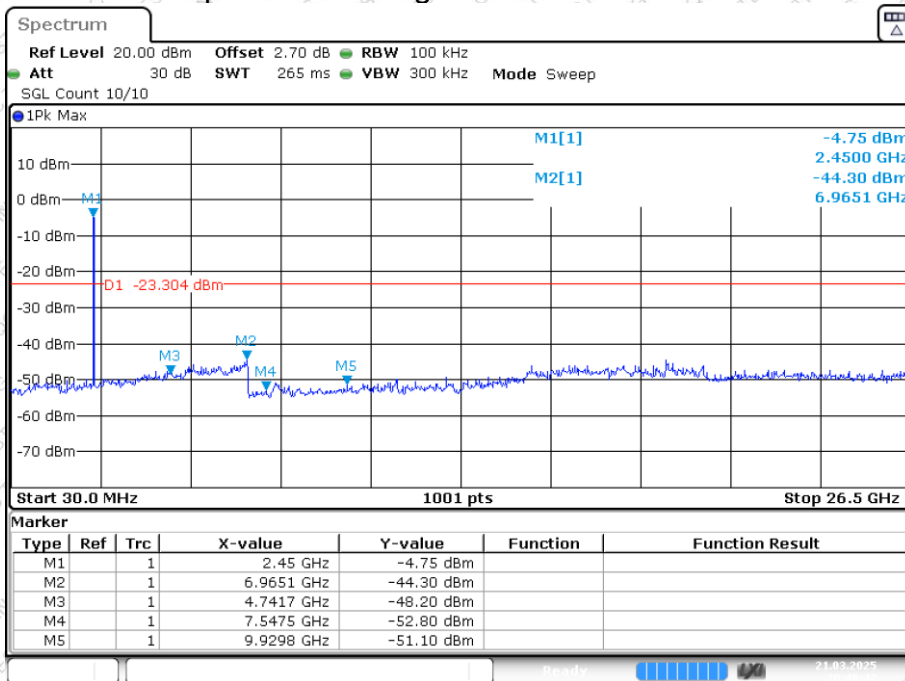


Tx. Spurious NVNT g 2462MHz Ant1 Ref



Date: 21. MAR 2025 10:49:30

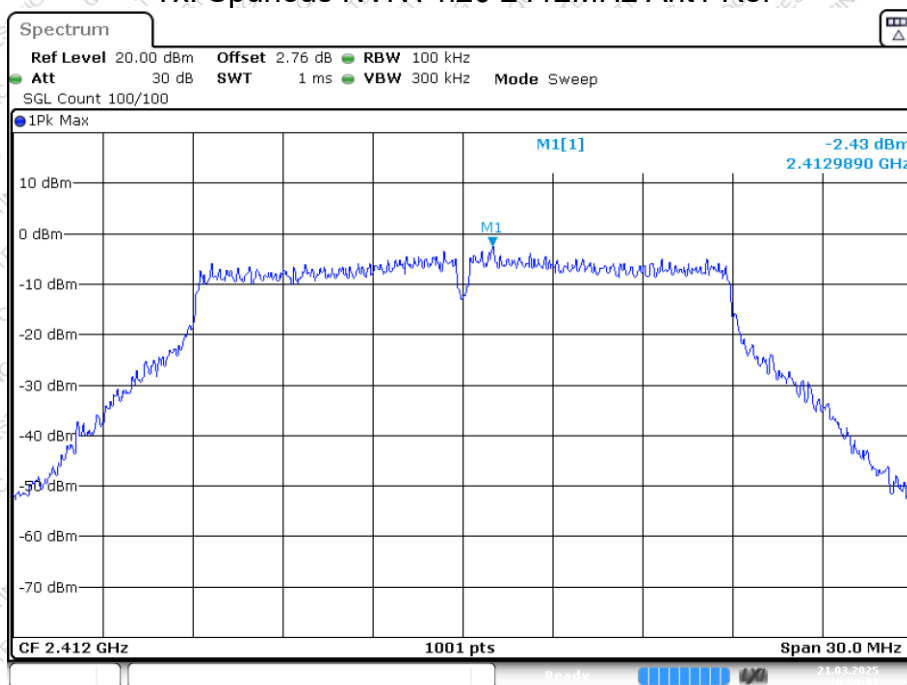
Tx. Spurious NVNT g 2462MHz Ant1 Emission



Date: 21. MAR 2025 10:49:42

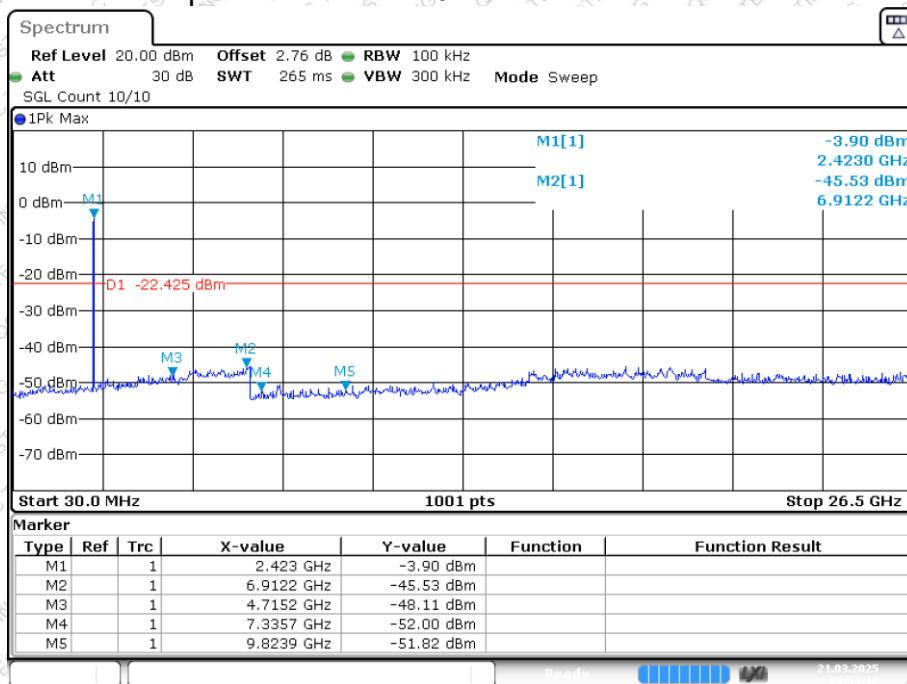


Tx. Spurious NVNT n20 2412MHz Ant1 Ref



Date: 21. MAR 2025 10:53:58

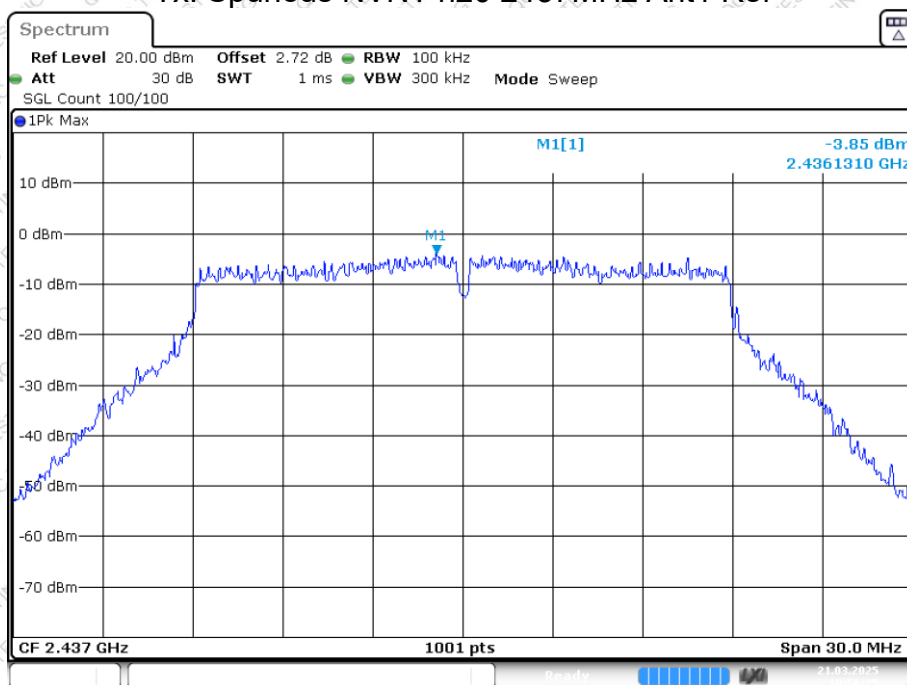
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Date: 21. MAR 2025 10:54:10

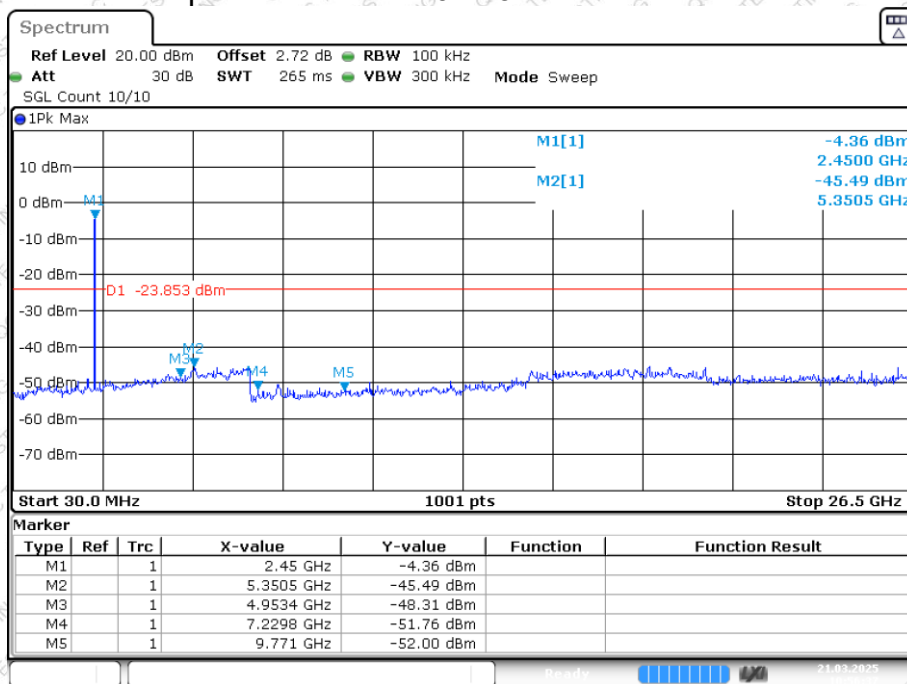


Tx. Spurious NVNT n20 2437MHz Ant1 Ref



Date: 21. MAR 2025 10:56:26

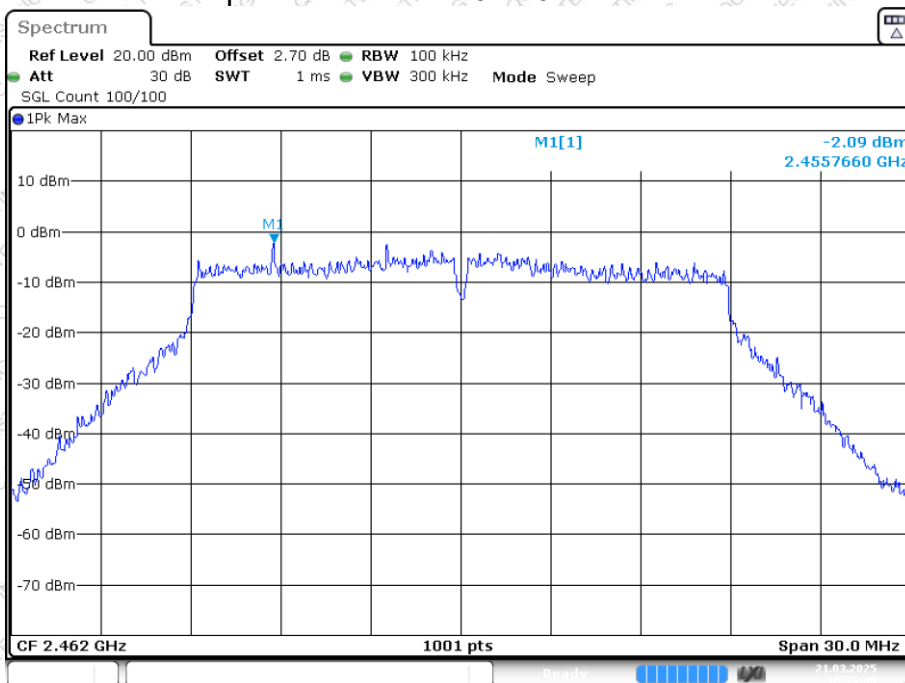
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Date: 21. MAR 2025 10:56:38

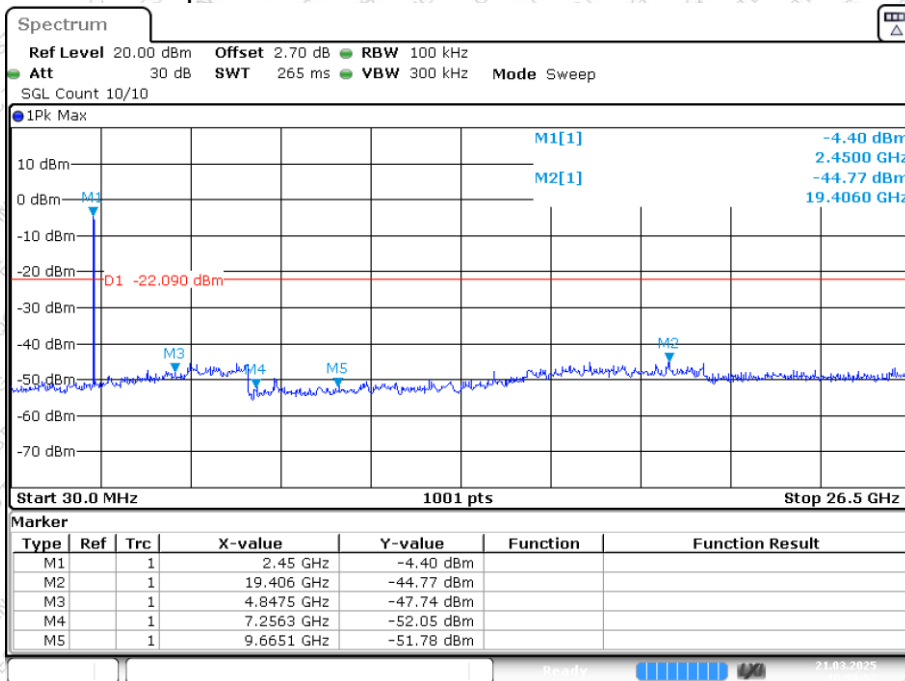


Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Date: 21. MAR 2025 10:59:40

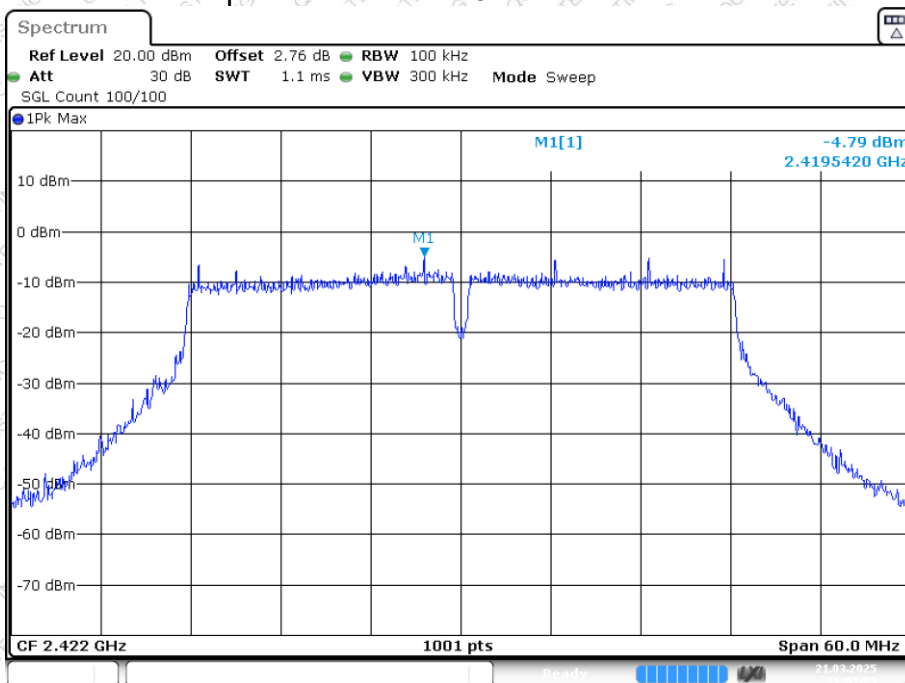
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



Date: 21. MAR 2025 10:59:52

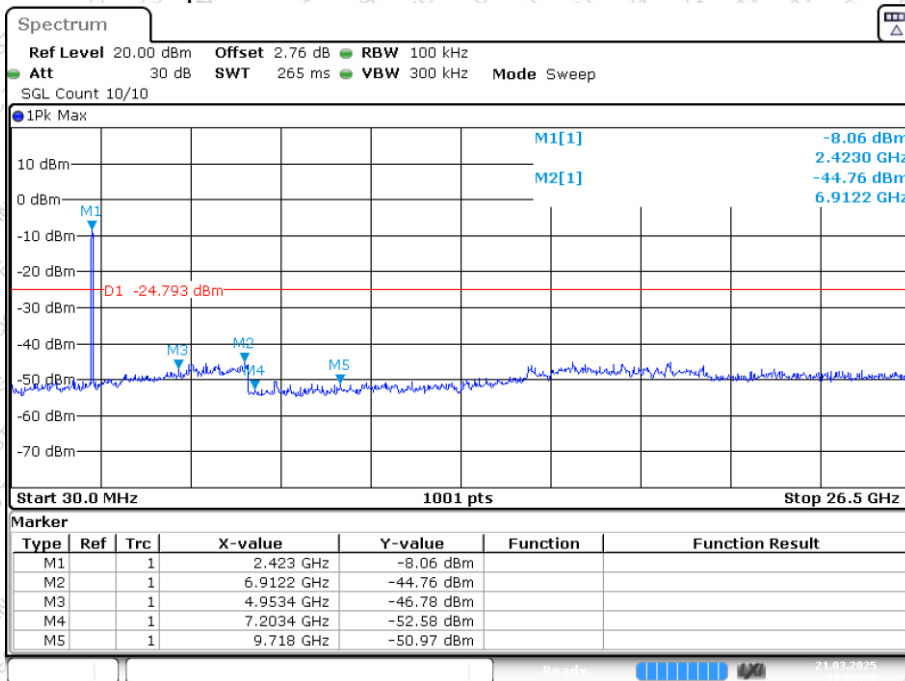


Tx. Spurious NVNT n40 2422MHz Ant1 Ref



Date: 21. MAR 2025 11:03:24

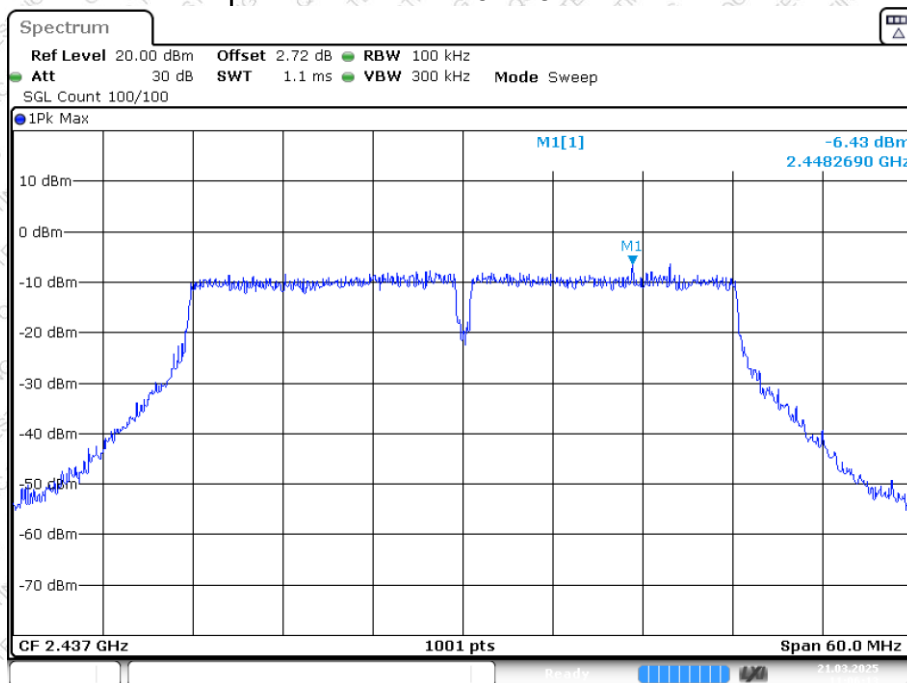
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



Date: 21. MAR 2025 11:03:36

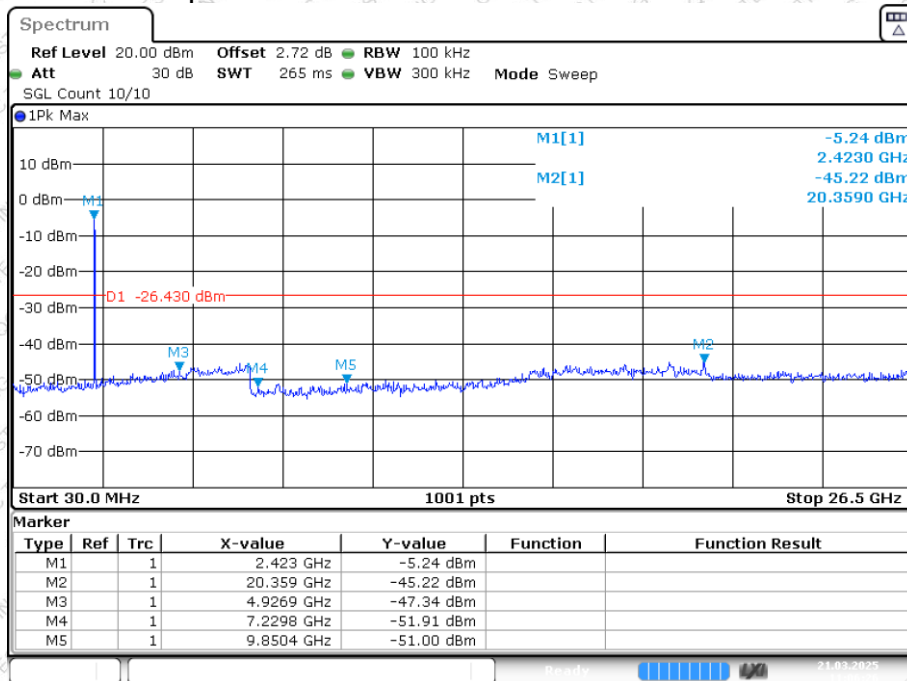


Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Date: 21. MAR 2025 11:06:14

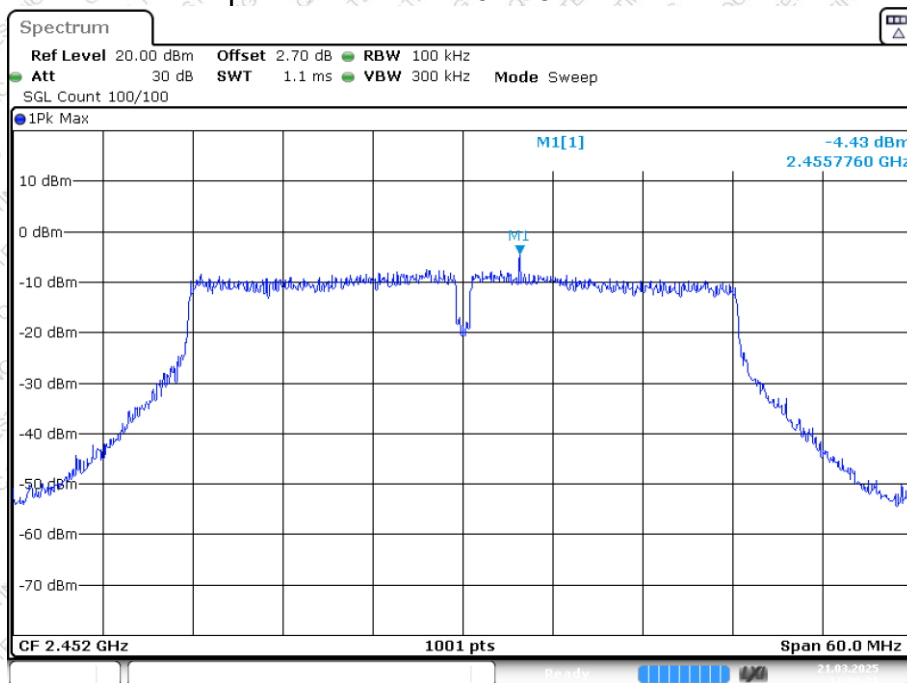
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Date: 21. MAR 2025 11:06:26

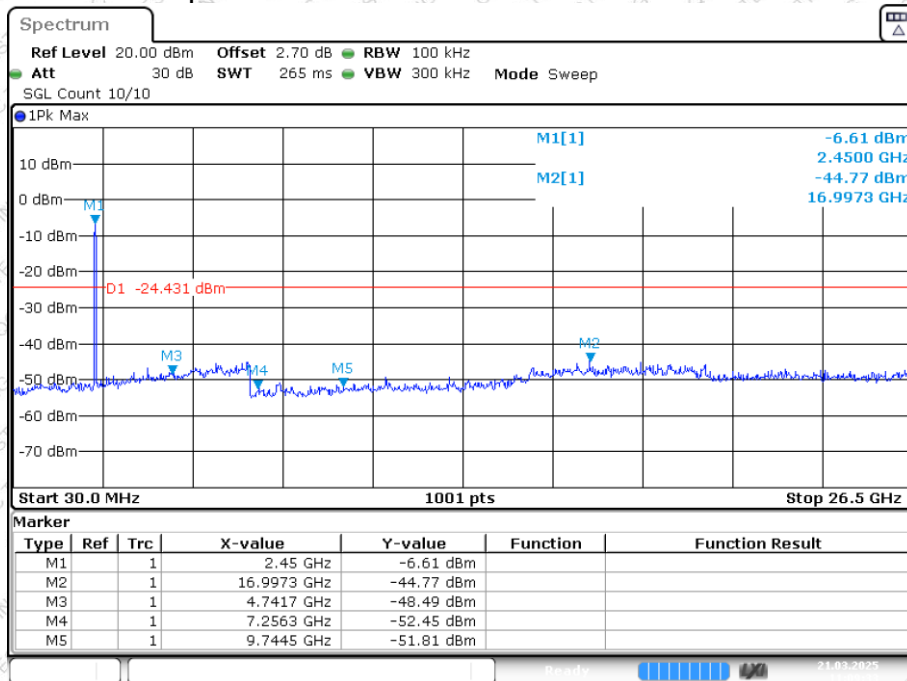


Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Date: 21. MAR 2025 11:09:21

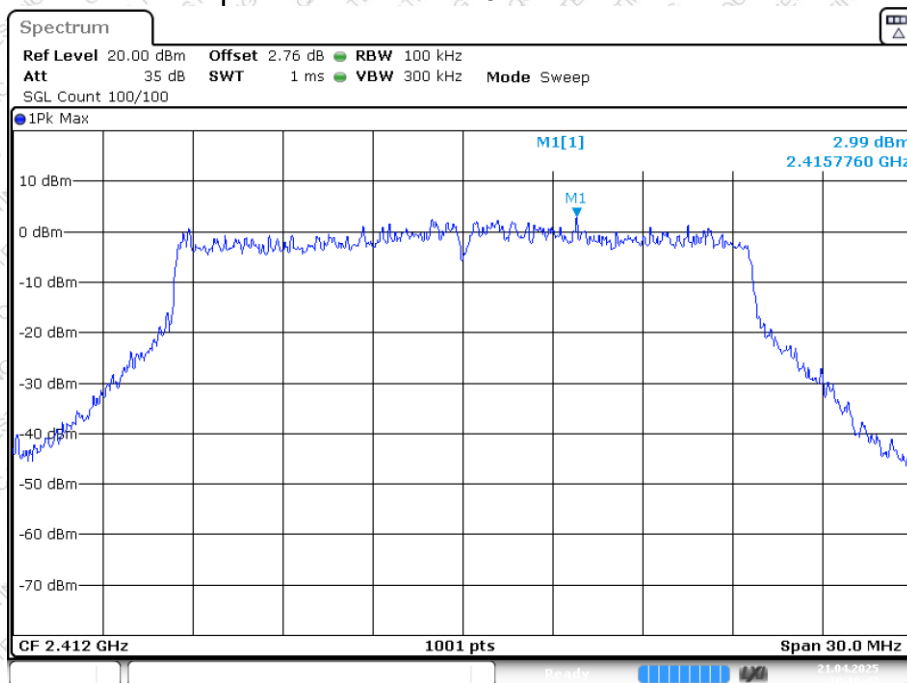
Tx. Spurious NVNT n40 2452MHz Ant1 Emission



Date: 21. MAR 2025 11:09:34

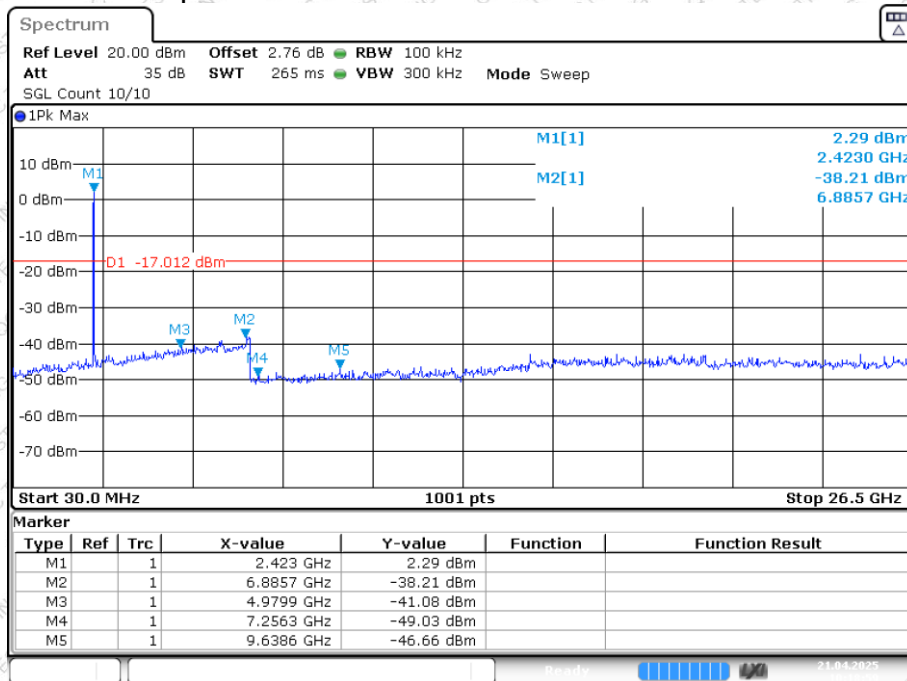


Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



Date: 21.APR.2025 10:18:47

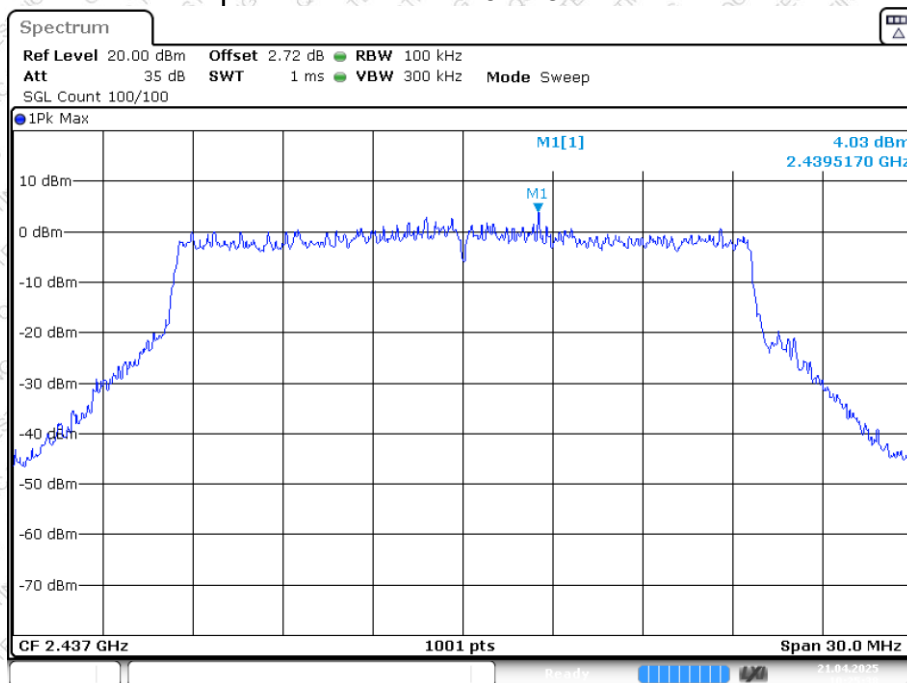
Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



Date: 21.APR.2025 10:19:00

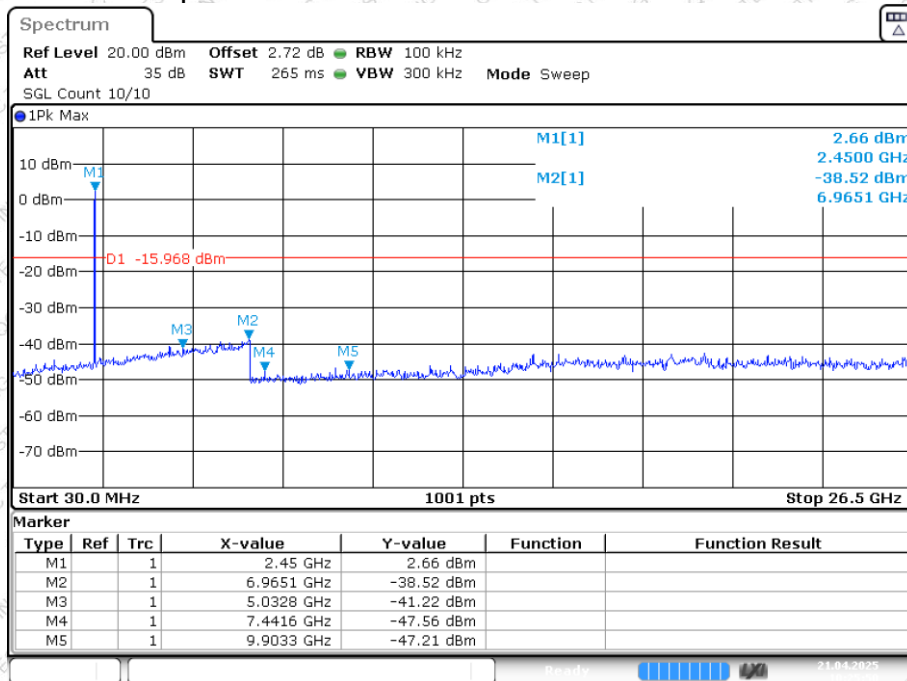


Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



Date: 21. APR 2025 10:25:38

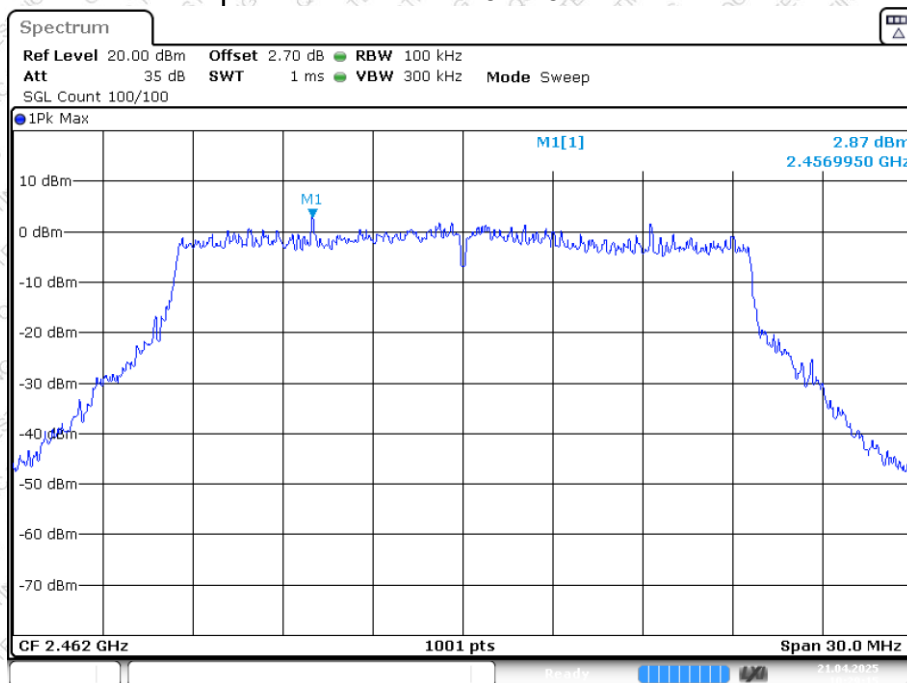
Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



Date: 21. APR 2025 10:25:51

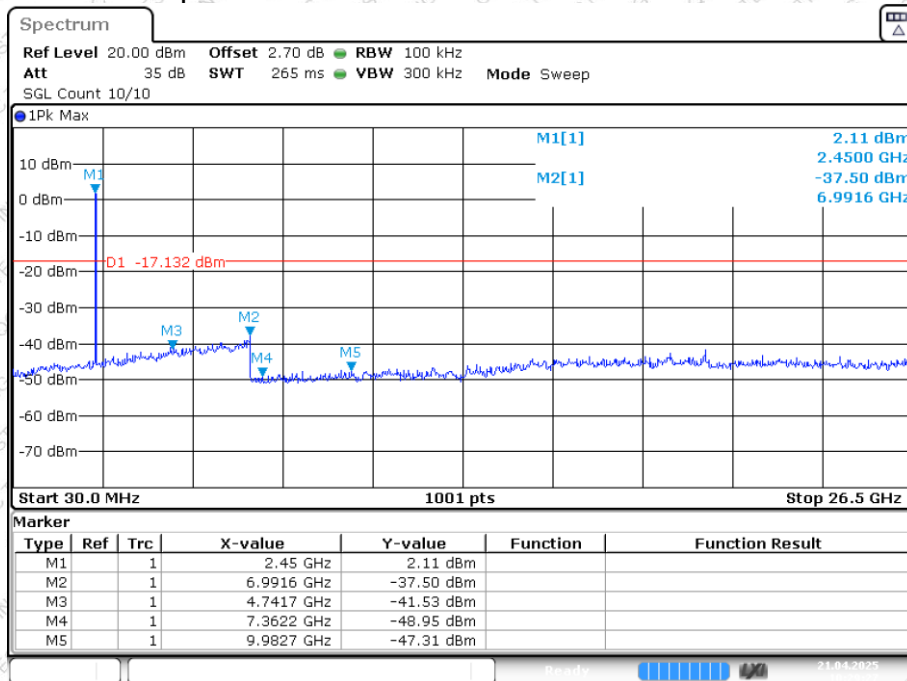


Tx. Spurious NVNT ax20 2462MHz Ant1 Ref



Date: 21. APR 2025 10:29:15

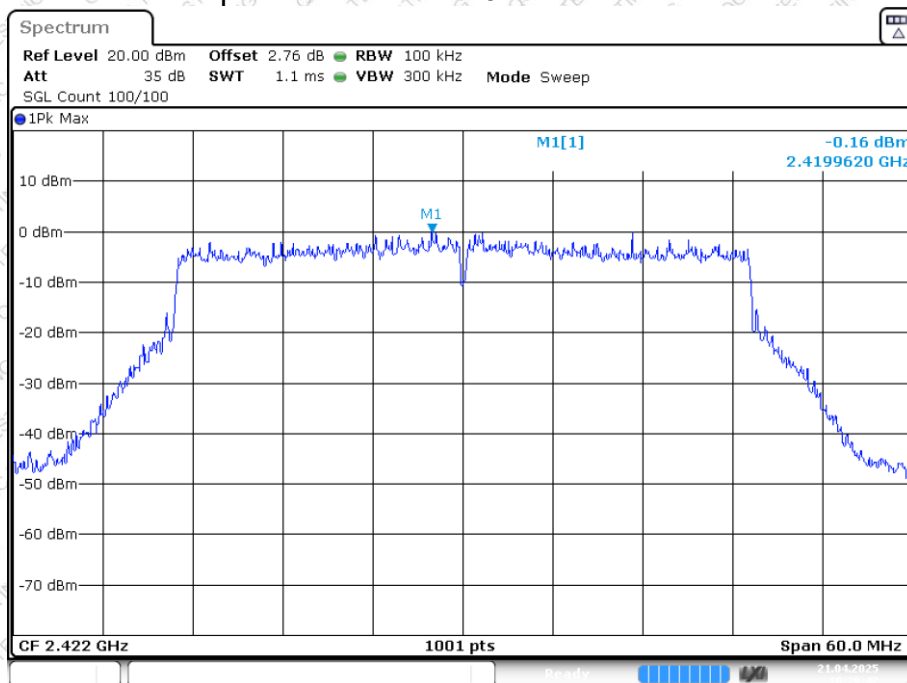
Tx. Spurious NVNT ax20 2462MHz Ant1 Emission



Date: 21. APR 2025 10:29:28

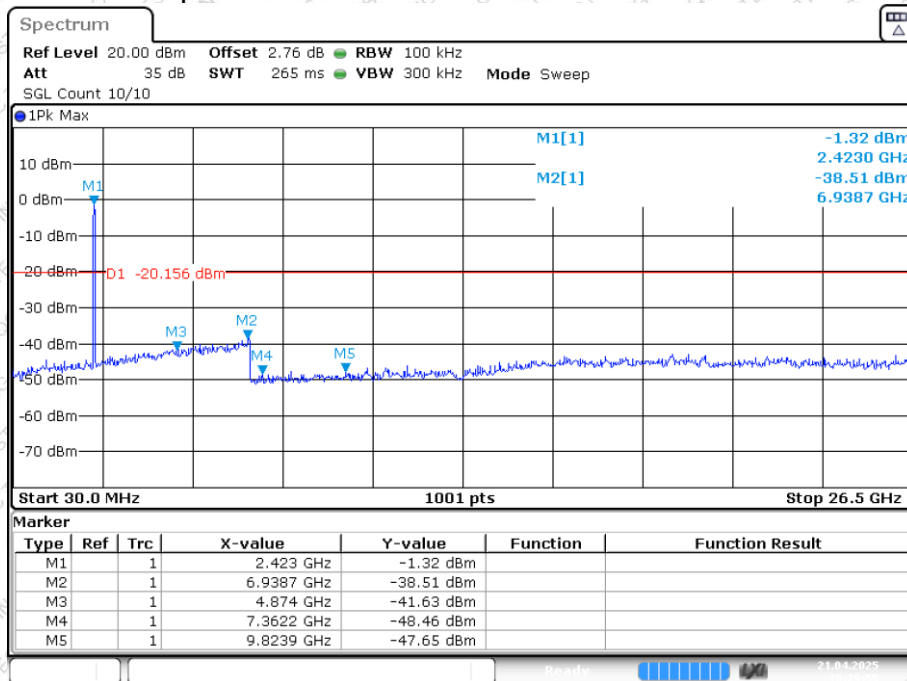


Tx. Spurious NVNT ax40 2422MHz Ant1 Ref



Date: 21. APR 2025 10:29:43

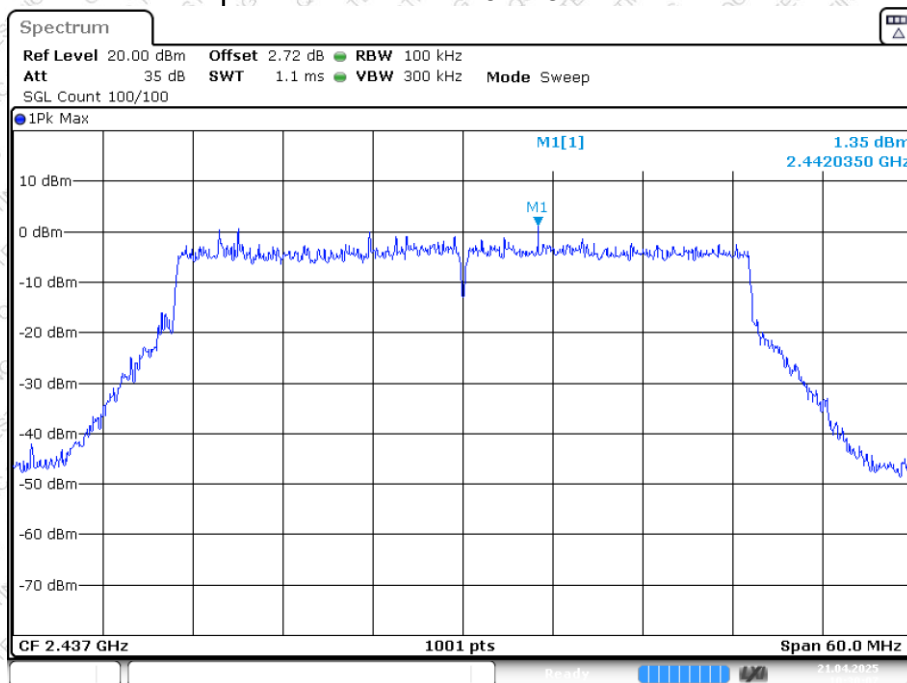
Tx. Spurious NVNT ax40 2422MHz Ant1 Emission



Date: 21. APR 2025 10:29:55

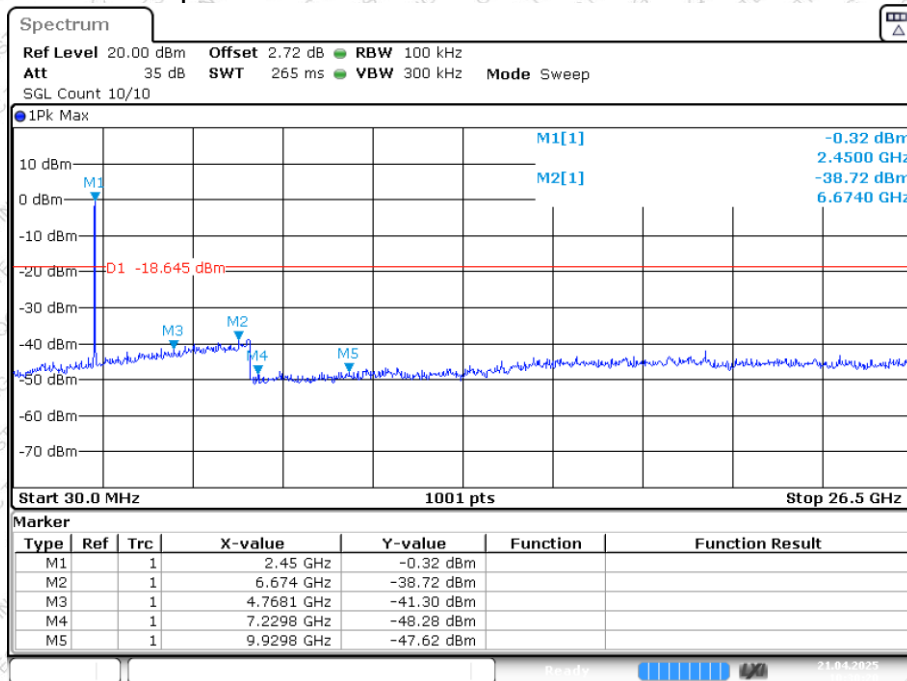


Tx. Spurious NVNT ax40 2437MHz Ant1 Ref



Date: 21.APR.2025 10:30:07

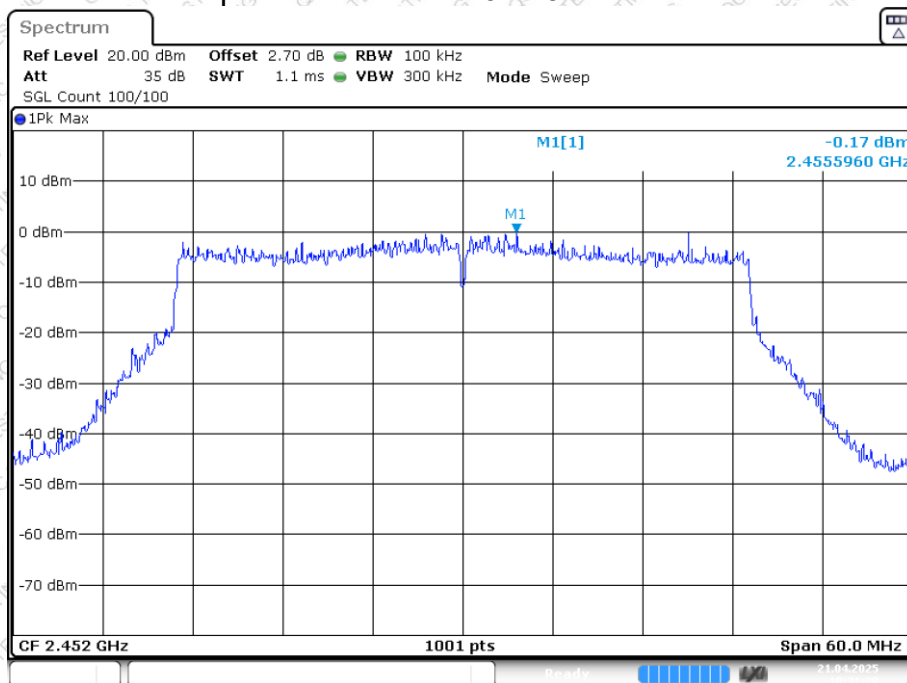
Tx. Spurious NVNT ax40 2437MHz Ant1 Emission



Date: 21.APR.2025 10:30:20

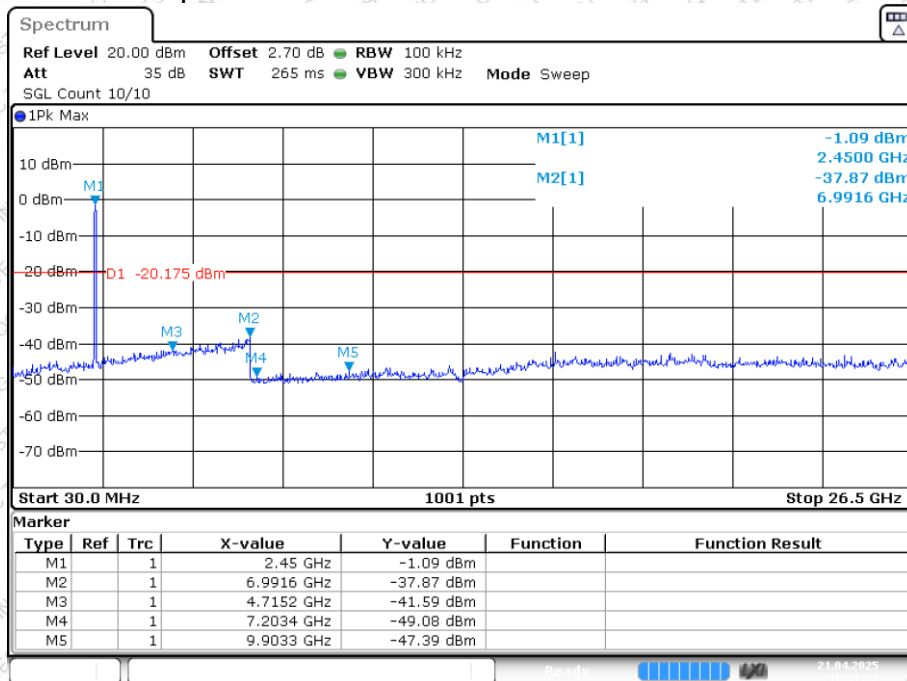


Tx. Spurious NVNT ax40 2452MHz Ant1 Ref



Date: 21.APR.2025 10:31:20

Tx. Spurious NVNT ax40 2452MHz Ant1 Emission



Date: 21.APR.2025 10:31:32

8.2. Radiated Emission Method

8.2.1 Applicable Standard

FCC Part15 C Section 15.209 and 15.205

8.2.2 Limit

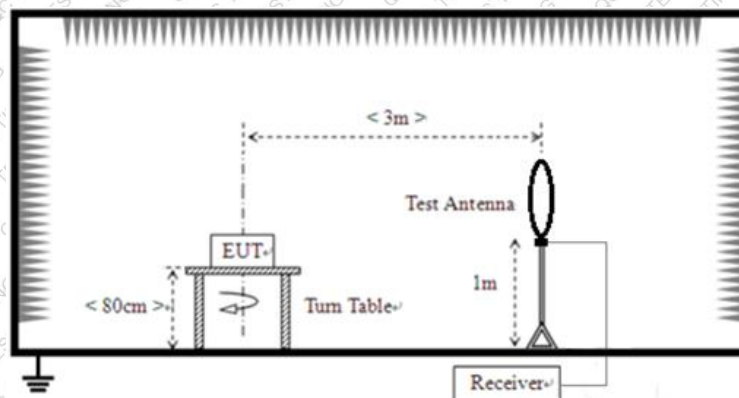
Frequency	Limit (uV/m)	Value	Measurement Distance
0.009MHz-0.490MHz	2400/F(KHz)	QP	300m
0.490MHz-1.705MHz	24000/F(KHz)	QP	30m
1.705MHz-30MHz	30	QP	30m

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	/	54.0	Peak
		74.0	Average

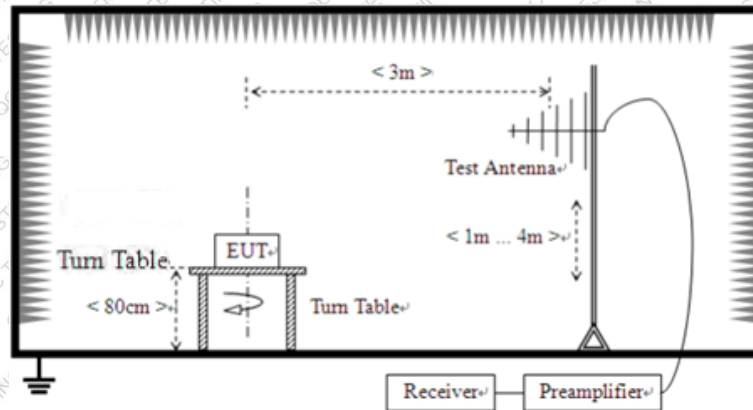
Note: $\text{dBuV/m} = 20\log(\mu\text{V/m})$

8.2.3 Test setup

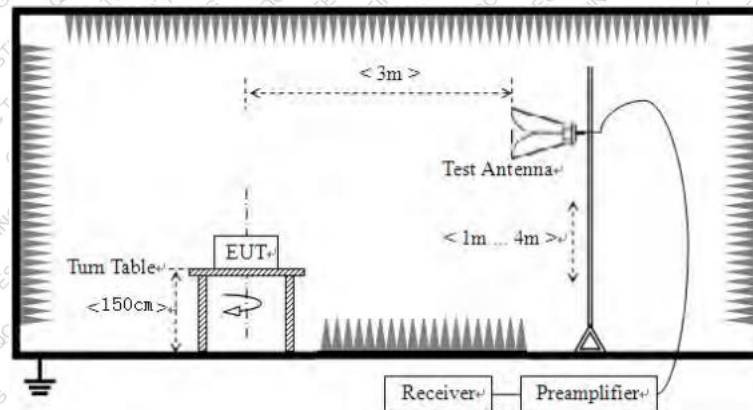
For radiated emissions from 9kHz to 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



8.2.4 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.

8.2.5 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.

8.2.6 Test Data

Temperature	25-26 °C	Humidity	49-54 %
ATM Pressure	101.1kPa	Antenna Gain	-1.4dBi
Test by	LBi Li	Test result	PASS

Remarks:

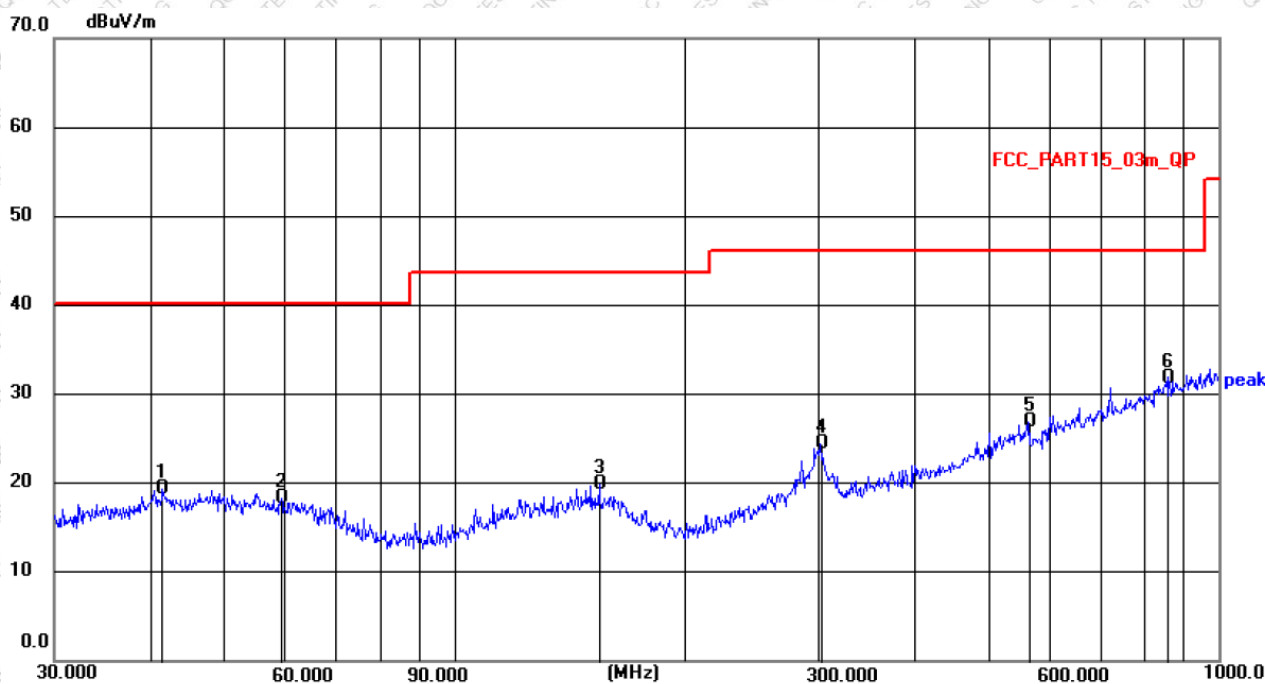
1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y- axis which it is worse case.
2. Data of measurement within frequency range 9kHz-30MHz, 18-26GHz are the noise floor or attenuated more than 20dB below the permissible limits or the field strength is too small to be measured, 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

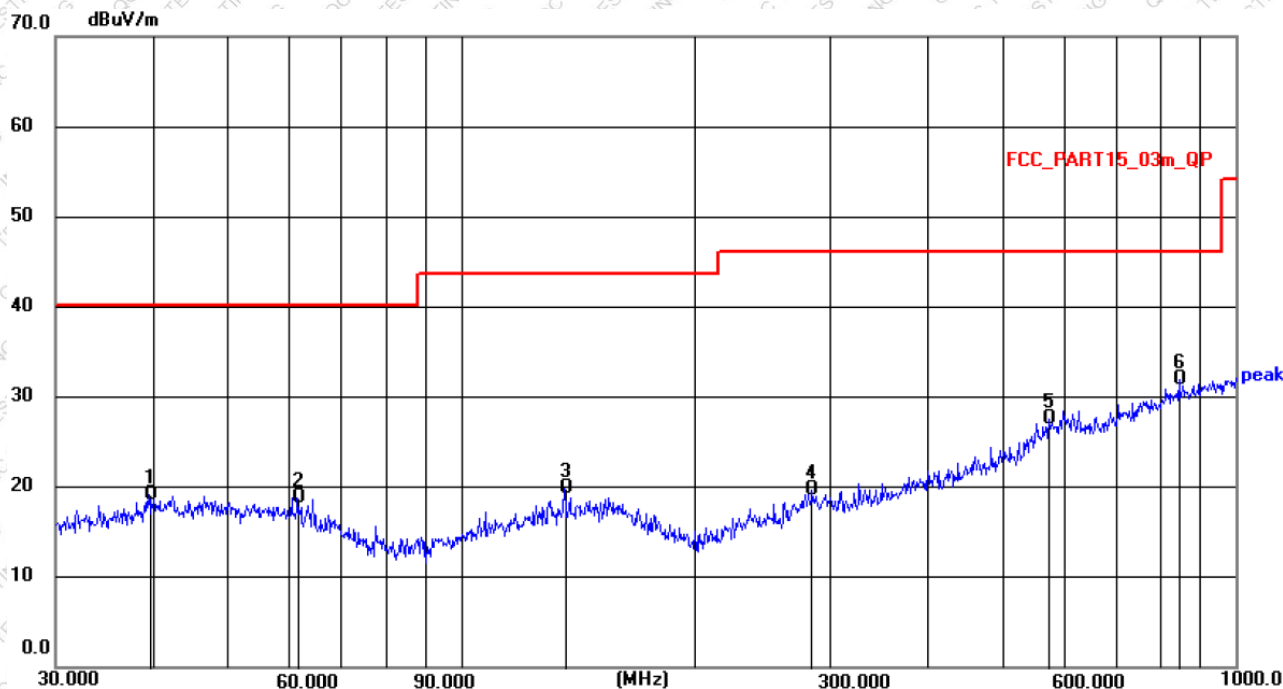
Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.5670	4.65	14.76	19.41	40.00	20.59	QP
2	59.4405	4.44	13.93	18.37	40.00	21.63	QP
3	154.8204	5.22	14.64	19.86	43.50	23.64	QP
4	301.4224	9.74	14.61	24.35	46.00	21.65	QP
5	564.6389	6.02	20.81	26.83	46.00	19.17	QP
6 *	857.0247	6.21	25.64	31.85	46.00	14.15	QP



Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	39.5757	4.69	14.49	19.18	40.00	20.82	QP
2	61.5618	5.50	13.32	18.82	40.00	21.18	QP
3	135.9822	5.76	14.07	19.83	43.50	23.67	QP
4	283.9791	4.98	14.66	19.64	46.00	26.36	QP
5	574.6258	6.71	20.87	27.58	46.00	18.42	QP
6 *	845.0878	6.57	25.38	31.95	46.00	14.05	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	55.97	H	-22.55	33.42	74	40.58	peak
2310	55.08	V	-22.55	32.53	74	41.47	peak
2390	60.87	H	-22.39	38.48	74	35.52	peak
2390	64.19	V	-22.39	41.8	74	32.2	peak
4824	55.53	H	-18.8	36.73	74	37.27	peak
4824	55.78	V	-18.8	36.98	74	37.02	peak
11b Middle Channel							
4874	56.4	H	-18.64	37.76	74	36.24	peak
4874	55.41	V	-18.64	36.77	74	37.23	peak
11b High Channel							
2483.5	75.39	H	-22.2	53.19	74	20.81	peak
2483.5	74.93	V	-22.2	52.73	74	21.27	peak
2485.15	80.18	H	-22.2	57.98	74	16.02	peak
2485.15	67.32	H	-22.2	45.12	54	8.88	AVG
2485.15	81.83	V	-22.2	59.63	74	14.37	peak
2485.15	69.29	V	-22.2	47.09	54	6.91	AVG
2486.95	82.99	H	-22.19	60.8	74	13.2	peak
2486.95	71.53	H	-22.19	49.34	54	4.66	AVG
2486.86	82.53	V	-22.19	60.34	74	13.66	peak
2486.86	71.21	V	-22.19	49.02	54	4.98	AVG
2500	55.23	H	-22.17	33.06	74	40.94	peak
2500	56.45	V	-22.17	34.28	74	39.72	peak
4924	55.97	H	-18.48	37.49	74	36.51	peak
4924	57.11	V	-18.48	38.63	74	35.37	peak
11g Low Channel							
2310	55.57	H	-22.55	33.02	74	40.98	peak
2310	55.29	V	-22.55	32.74	74	41.26	peak
2331	59.98	H	-22.51	37.47	74	36.53	peak
2331.4	64.86	V	-22.51	42.35	74	31.65	peak
2390	79.79	H	-22.39	57.4	74	16.6	peak
2390	67.55	H	-22.39	45.16	54	8.84	AVG
2390	85.05	V	-22.39	62.66	74	11.34	peak
2390	69.55	V	-22.39	47.16	54	6.84	AVG
4824	54.65	H	-18.8	35.85	74	38.15	peak
4824	55.52	V	-18.8	36.72	74	37.28	peak
11g Middle Channel							
4874	54.98	H	-18.64	36.34	74	37.66	peak
4874	55.45	V	-18.64	36.81	74	37.19	peak
11g High Channel							



2483.5	83.4	H	-22.2	61.2	74	12.8	peak
2483.5	70.25	H	-22.2	48.05	54	5.95	AVG
2483.5	86.74	V	-22.2	64.54	74	9.46	peak
2483.5	73.49	V	-22.2	51.29	54	2.71	AVG
2500	57.44	H	-22.17	35.27	74	38.73	peak
2500	66.87	V	-22.17	44.7	74	29.3	peak
4924	55.36	H	-18.48	36.88	74	37.12	peak
4924	55.49	V	-18.48	37.01	74	36.99	peak
11n20 Low Channel							
2310	55.16	H	-22.55	32.61	74	41.39	peak
2310	55.27	V	-22.55	32.72	74	41.28	peak
2390	87.74	H	-22.39	65.35	74	8.65	peak
2390	74.82	H	-22.39	52.43	54	1.57	AVG
2390	85.8	V	-22.39	63.41	74	10.59	peak
2390	73.48	V	-22.39	51.09	54	2.91	AVG
4824	55.76	H	-18.8	36.96	74	37.04	peak
4824	56.03	V	-18.8	37.23	74	36.77	peak
11n20 Middle Channel							
4874	56.15	H	-18.64	37.51	74	36.49	peak
4874	55.51	V	-18.64	36.87	74	37.13	peak
11n20 High Channel							
2483.5	86.27	H	-22.2	64.07	74	9.93	peak
2483.5	73.12	H	-22.2	50.92	54	3.08	AVG
2483.5	85.65	V	-22.2	63.45	74	10.55	peak
2483.5	73.57	V	-22.2	51.37	54	2.63	AVG
2500	73.19	H	-22.17	51.02	74	22.98	peak
2500	70.74	V	-22.17	48.57	74	25.43	peak
4924	56.08	H	-18.48	37.6	74	36.4	peak
4924	56.33	V	-18.48	37.85	74	36.15	peak
11n40 Low Channel							
2310	53.1	H	-22.55	30.55	74	43.45	peak
2310	52.68	V	-22.55	30.13	74	43.87	peak
2390	82.41	H	-22.39	60.02	74	13.98	peak
2390	69.58	H	-22.39	47.19	54	6.81	AVG
2390	83.48	V	-22.39	61.09	74	12.91	peak
2390	70.76	V	-22.39	48.37	54	5.63	AVG
4844	55.48	H	-18.74	36.74	74	37.26	peak
4844	55.38	V	-18.74	36.64	74	37.36	peak
11n40 Middle Channel							
4874	54.83	H	-18.64	36.19	74	37.81	peak
4874	56.84	V	-18.64	38.2	74	35.8	peak
11n40 High Channel							
2483.5	72.63	H	-22.2	50.43	74	23.57	peak
2483.5	77.83	V	-22.2	55.63	74	18.37	peak



2483.5	65.99	V	-22.2	43.79	54	10.21	AVG
2486.06	77.52	H	-22.19	55.33	74	18.67	peak
2486.06	64.26	H	-22.19	42.07	54	11.93	AVG
2488.22	80.38	V	-22.19	58.19	74	15.81	peak
2488.22	68.46	V	-22.19	46.27	54	7.73	AVG
2490.74	75.8	H	-22.18	53.62	74	20.38	peak
2500	65.52	H	-22.17	43.35	74	30.65	peak
2500	69.39	V	-22.17	47.22	74	26.78	peak
4904	56.11	H	-18.56	37.55	74	36.45	peak
4904	55.88	V	-18.56	37.32	74	36.68	peak
11ax20 Low Channel							
2310	55.12	H	-22.55	32.57	74	41.43	peak
2310	56.12	V	-22.55	33.57	74	40.43	peak
2324.96	65.38	H	-22.52	42.86	74	31.14	peak
2390	84.14	H	-22.39	61.75	74	12.25	peak
2390	72.66	H	-22.39	50.27	54	3.73	AVG
2390	90.14	V	-22.39	67.75	74	6.25	peak
2390	74.97	V	-22.39	52.58	54	1.42	AVG
4824	56.17	H	-18.8	37.37	74	36.63	peak
4824	55.05	V	-18.8	36.25	74	37.75	peak
11ax20 Middle Channel							
4874	56.42	H	-18.64	37.78	74	36.22	peak
4874	56.13	V	-18.64	37.49	74	36.51	peak
11ax20 High Channel							
2483.5	82.75	H	-22.2	60.55	74	13.45	peak
2483.5	67.39	H	-22.2	45.19	54	8.81	AVG
2483.5	81.75	V	-22.2	59.55	74	14.45	peak
2483.5	68.53	V	-22.2	46.33	54	7.67	AVG
2500	57.13	H	-22.17	34.96	74	39.04	peak
2500	55.84	V	-22.17	33.67	74	40.33	peak
4924	55.81	H	-18.48	37.33	74	36.67	peak
4924	55.67	V	-18.48	37.19	74	36.81	peak
11ax40 Low Channel							
2310	56.39	H	-22.55	33.84	74	40.16	peak
2310	57.03	V	-22.55	34.48	74	39.52	peak
2390	67.21	H	-22.39	44.82	74	29.18	peak
2390	85.16	V	-22.39	62.77	74	11.23	peak
2390	70.55	V	-22.39	48.16	54	5.84	AVG
4844	55.1	H	-18.74	36.36	74	37.64	peak
4844	55.55	V	-18.74	36.81	74	37.19	peak
2310	56.39	H	-22.55	33.84	74	40.16	peak
11ax40 Middle Channel							
4874	54.99	H	-18.64	36.35	74	37.65	peak
4874	56.62	V	-18.64	37.98	74	36.02	peak



11ax40 High Channel							
2483.5	60.81	H	-22.2	38.61	74	35.39	peak
2483.5	79.61	V	-22.2	57.41	74	16.59	peak
2483.5	66.61	V	-22.2	44.41	54	9.59	AVG
2500	60.9	H	-22.17	38.73	74	35.27	peak
2500	72.91	V	-22.17	50.74	74	23.26	peak
4904	55.52	H	-18.56	36.96	74	37.04	peak
4904	55.63	V	-18.56	37.07	74	36.93	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 -----