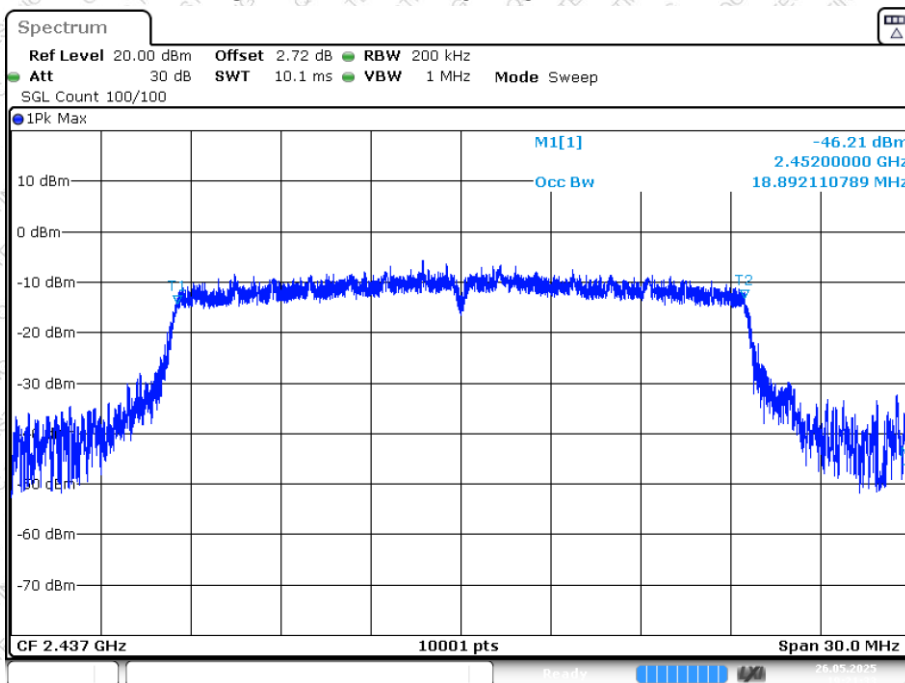
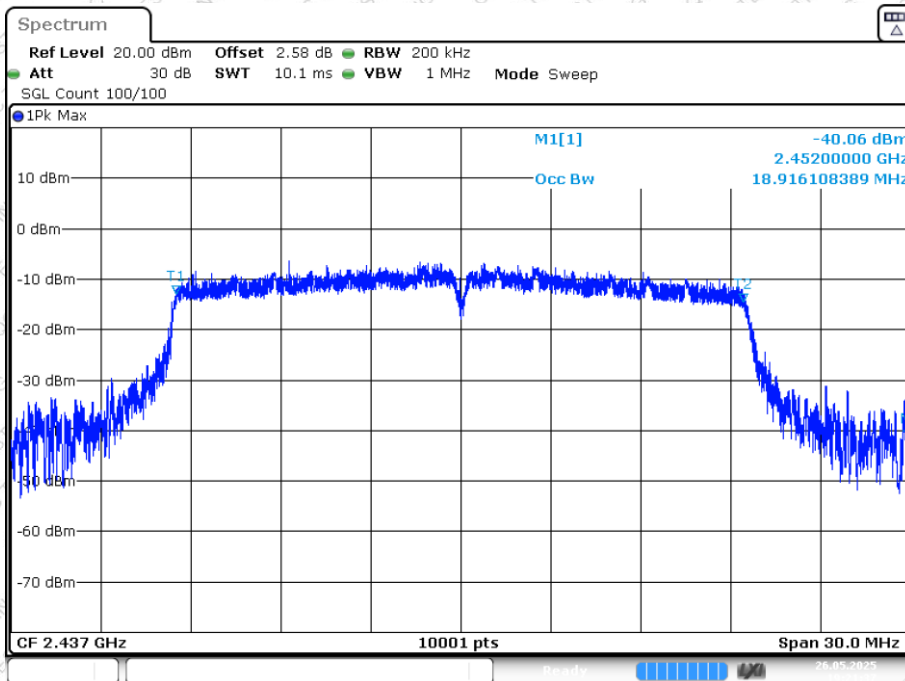




OBW NVNT ax20 2437MHz Ant1

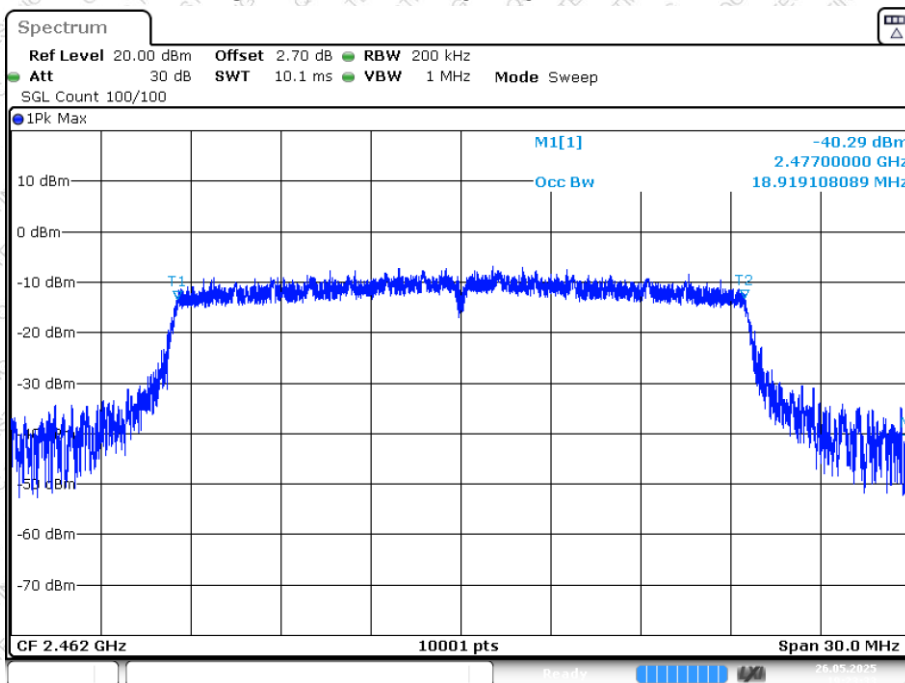


OBW NVNT ax20 2437MHz Ant2



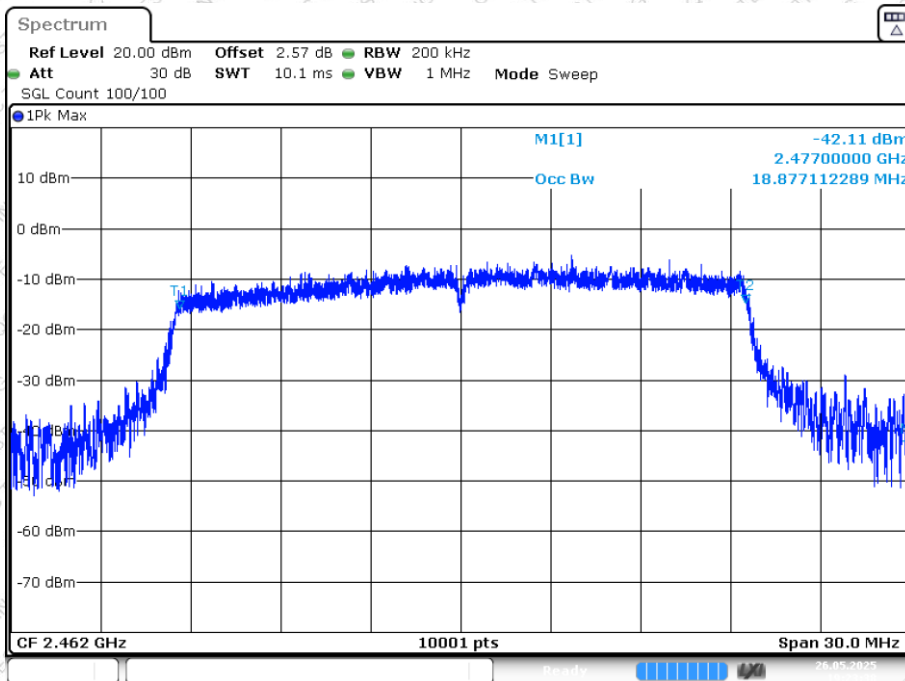


OBW NVNT ax20 2462MHz Ant1



Date: 26 MAY 2025 19:23:33

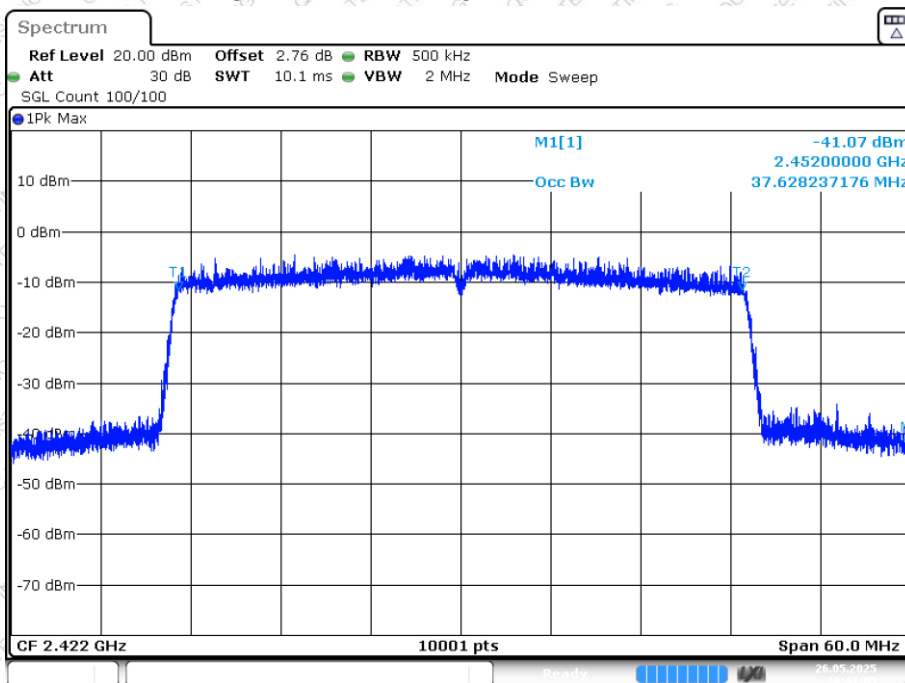
OBW NVNT ax20 2462MHz Ant2



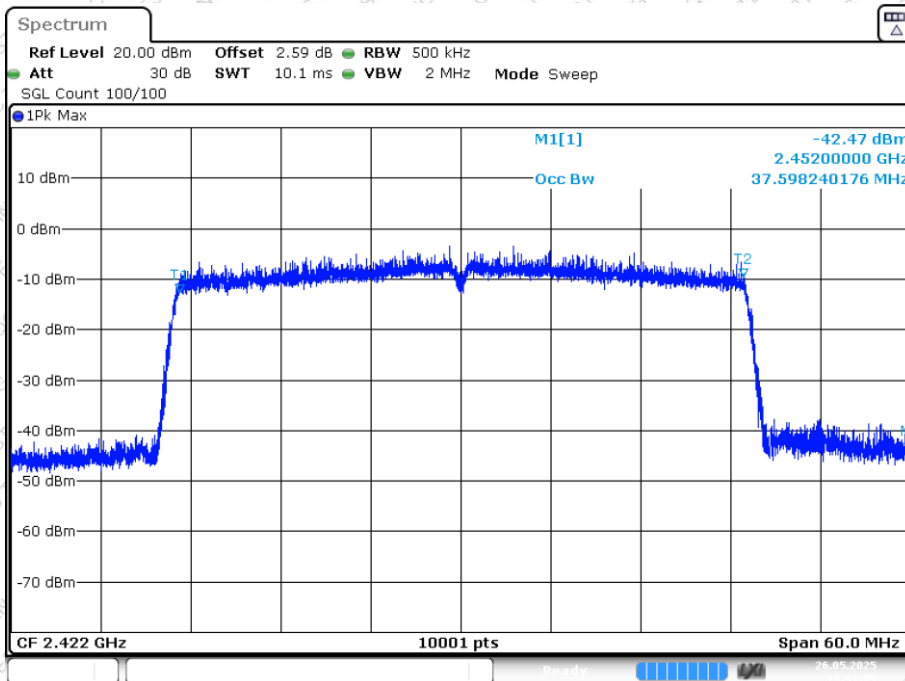
Date: 26 MAY 2025 19:23:38



OBW NVNT ax40 2422MHz Ant1

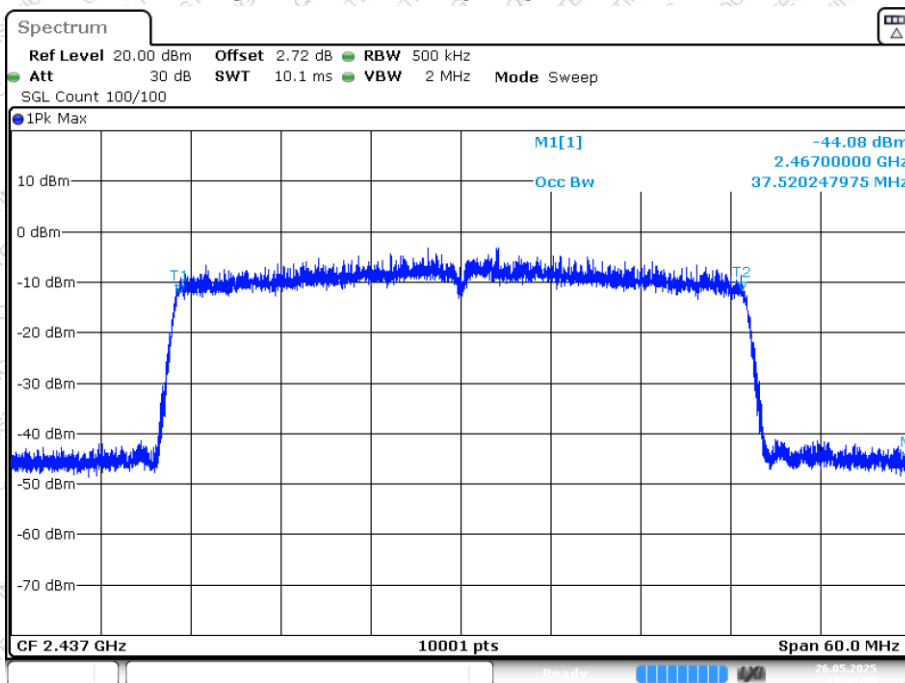


OBW NVNT ax40 2422MHz Ant2

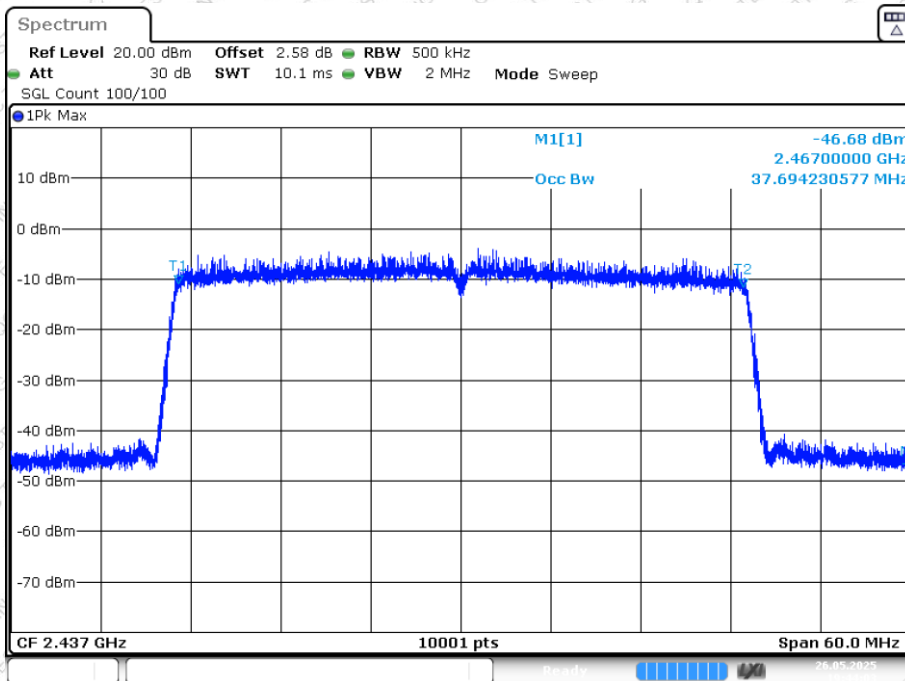




OBW NVNT ax40 2437MHz Ant1

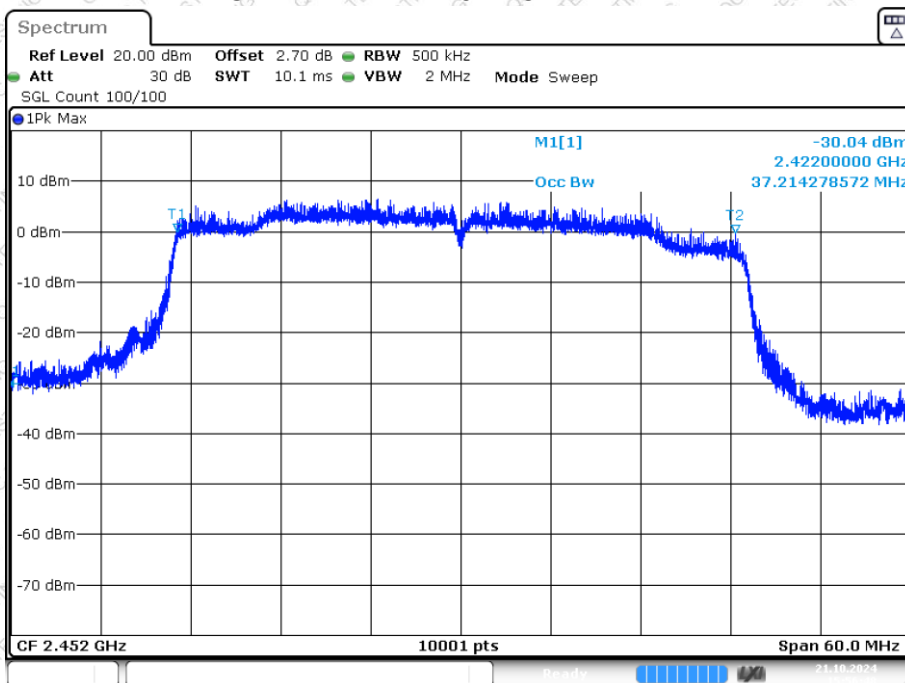


OBW NVNT ax40 2437MHz Ant2



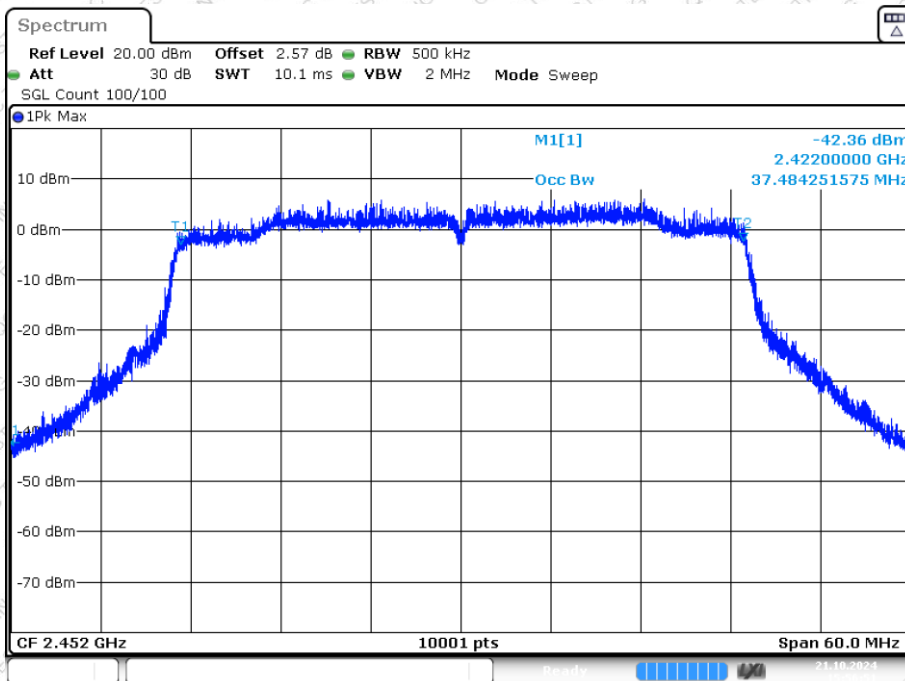


OBW NVNT ax40 2452MHz Ant1



Date: 26 MAY 2025 15:56:48

OBW NVNT ax40 2452MHz Ant2



Date: 26 MAY 2025 15:56:52

8. Power Spectral Density

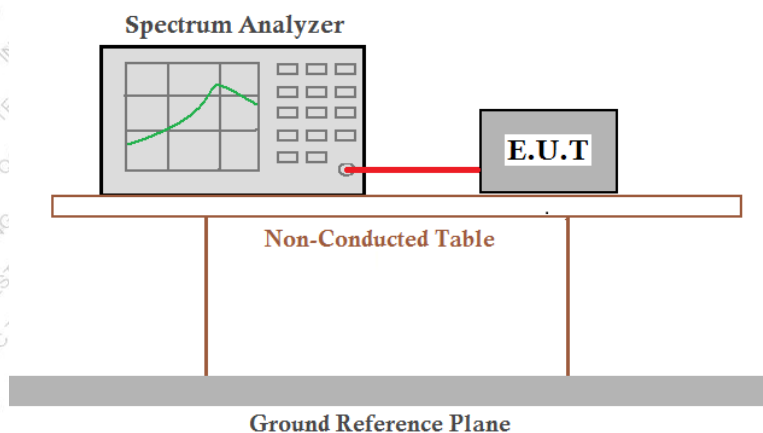
8.1. Applicable Standard

FCC Part15 C Section 15.247 (e)

8.2. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

8.3. Test setup



8.4. Test Procedure

Refer to KDB558074 D01 15.247 Meas Guidance v05r02

8.5. Test Data

Temperature	22.1 °C	Humidity	46 %
ATM Pressure	101.1kPa	Antenna Gain	Ant 1: 2.78dBi Ant 2: -4.56dBi
Test by	LBi Li	Test result	PASS

Please refer to following table and plots.

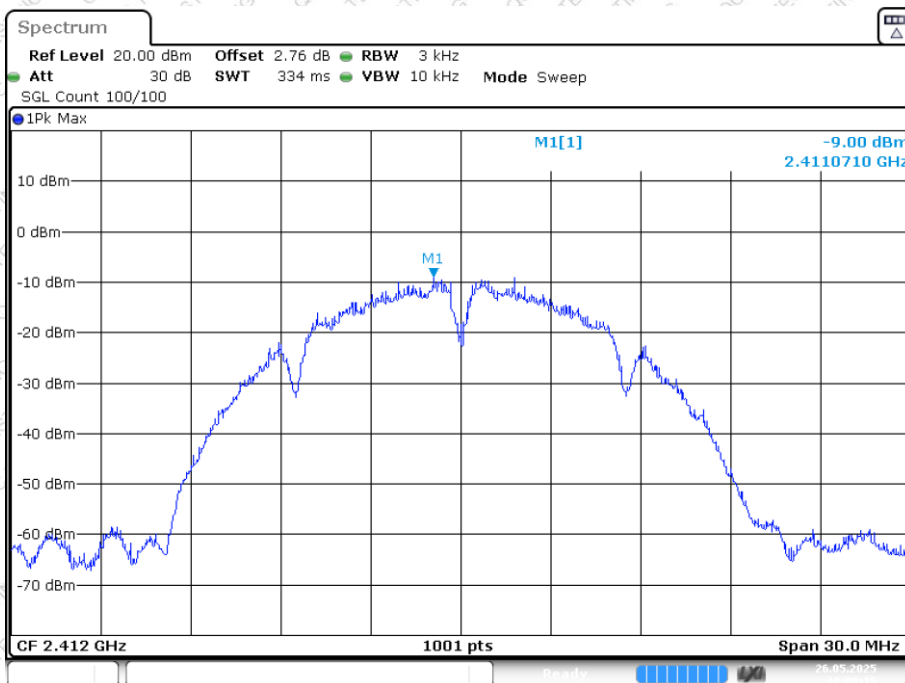


Power Spectral Density:

Modulation	Frequency (MHz)	Max PSD (dBm)			Limit (dBm/3kHz)
		Ant1	Ant2	Sum	
802.11b	2412	-9	3.01	---	8
	2437	-9.36	3.96	---	8
	2462	-9.43	3.49	---	8
802.11g	2412	-16.99	-5.08	---	8
	2437	-16.6	-4.13	---	8
	2462	-17.1	-4.12	---	8
802.11 n(HT20)	2412	-6.83	-7.43	-4.11	8
	2437	-7.51	-7.74	-4.61	8
	2462	-6.78	-6.94	-3.85	8
802.11 n(HT40)	2422	-10.68	-11.08	-7.87	8
	2437	-10.36	-11.42	-7.85	8
	2452	-10.53	-10.5	-7.50	8
802.11 ax(HE20)	2412	-8.61	-8.41	-5.50	8
	2437	-8.76	-8.31	-5.52	8
	2462	-9.25	-8.28	-5.73	8
802.11 ax(HE40)	2422	-10.92	-11.91	-8.38	8
	2437	-11.1	-11.91	-8.48	8
	2452	-7.7	-9.07	-5.32	8

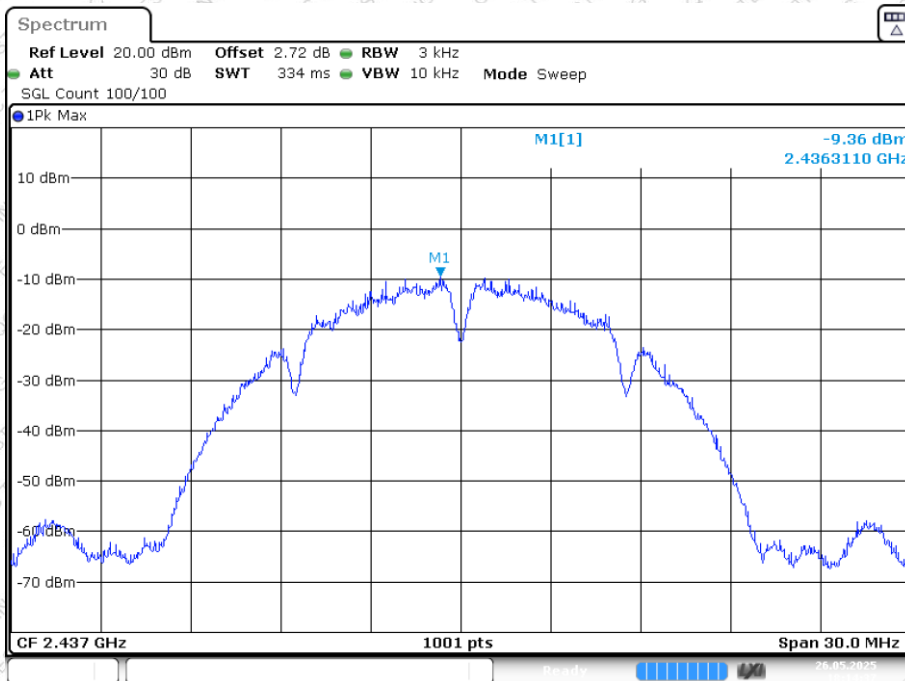


PSD NVNT b 2412MHz Ant1



Date: 26 MAY 2025 18:00:16

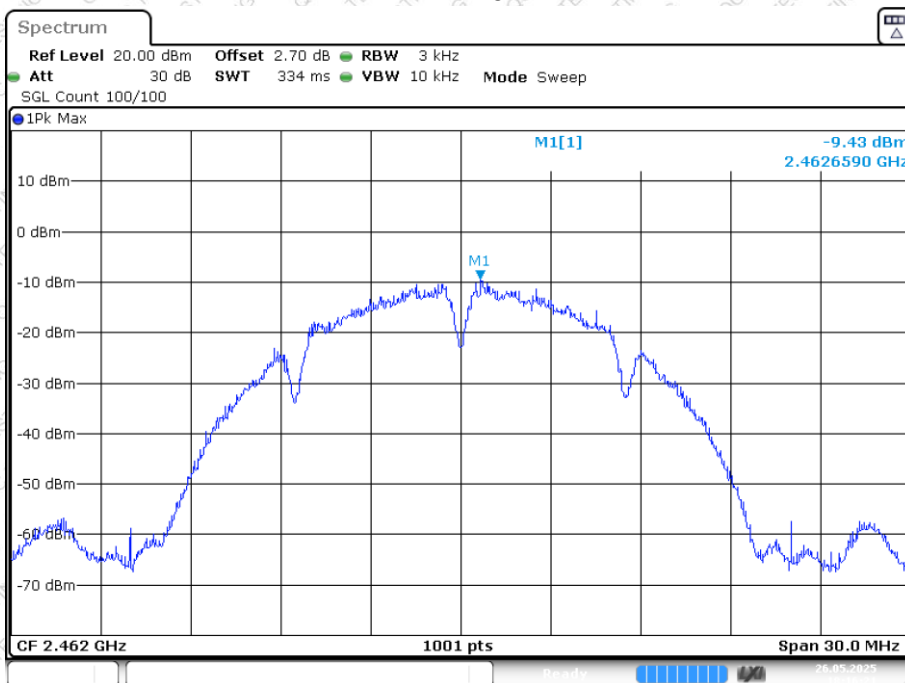
PSD NVNT b 2437MHz Ant1



Date: 26 MAY 2025 18:14:37

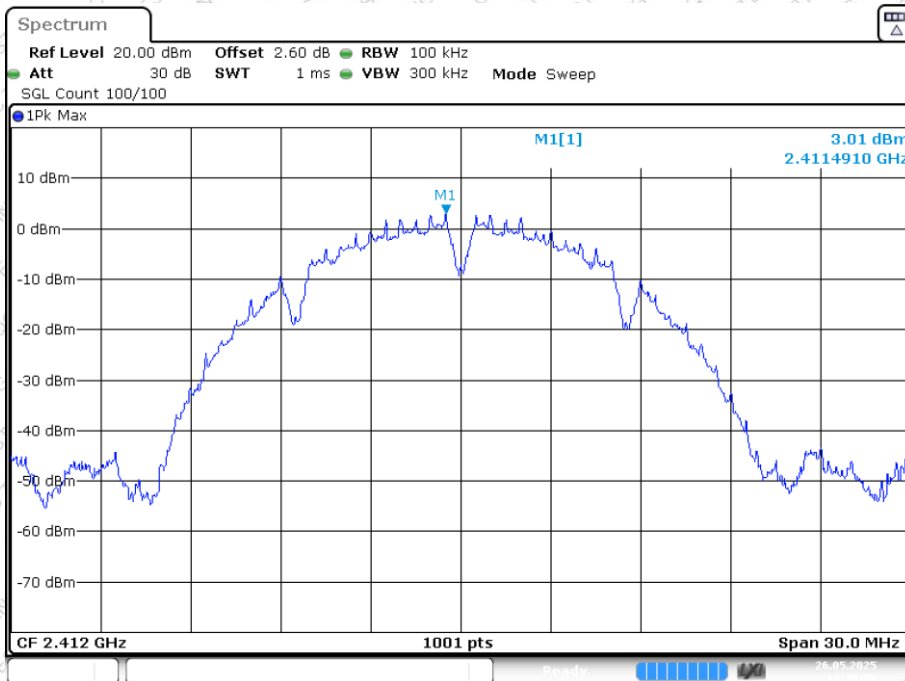


PSD NVNT b 2462MHz Ant1



Date: 26.MAY.2025 18:16:21

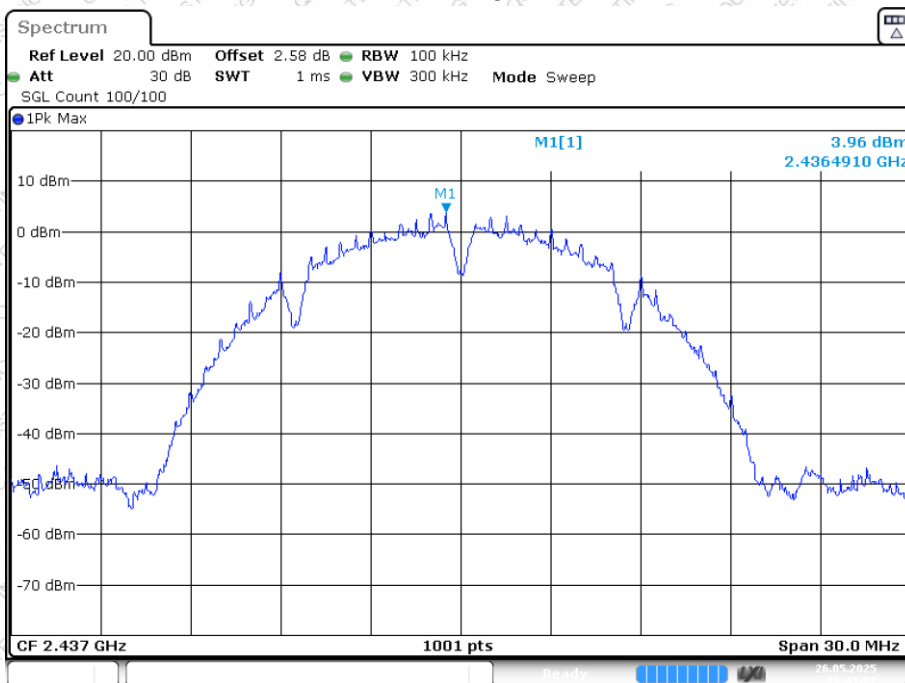
PSD NVNT b 2412MHz Ant2



Date: 26.MAY.2025 18:38:59

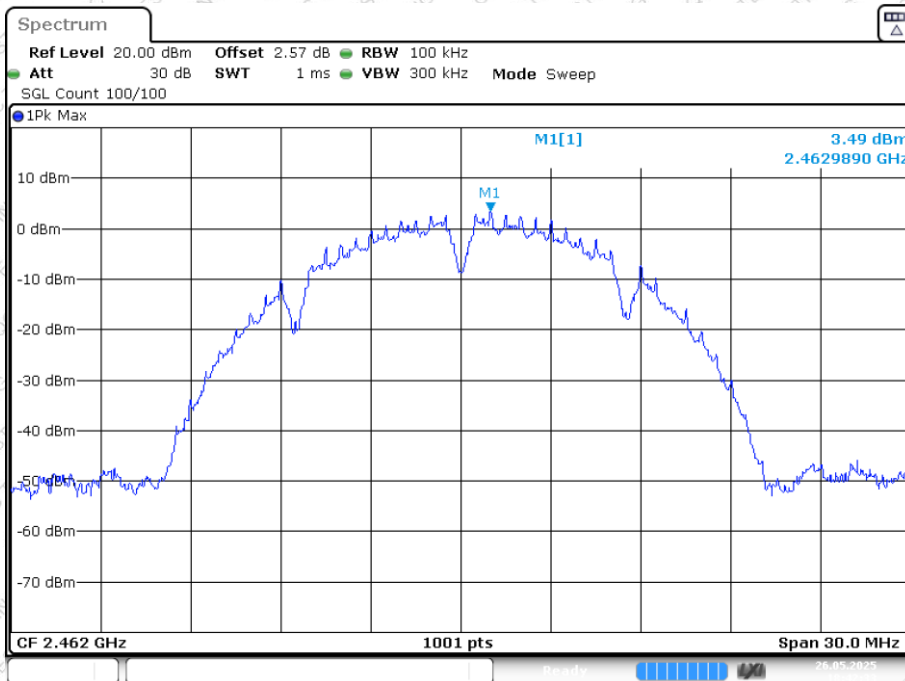


PSD NVNT b 2437MHz Ant2



Date: 26 MAY 2025 18:41:27

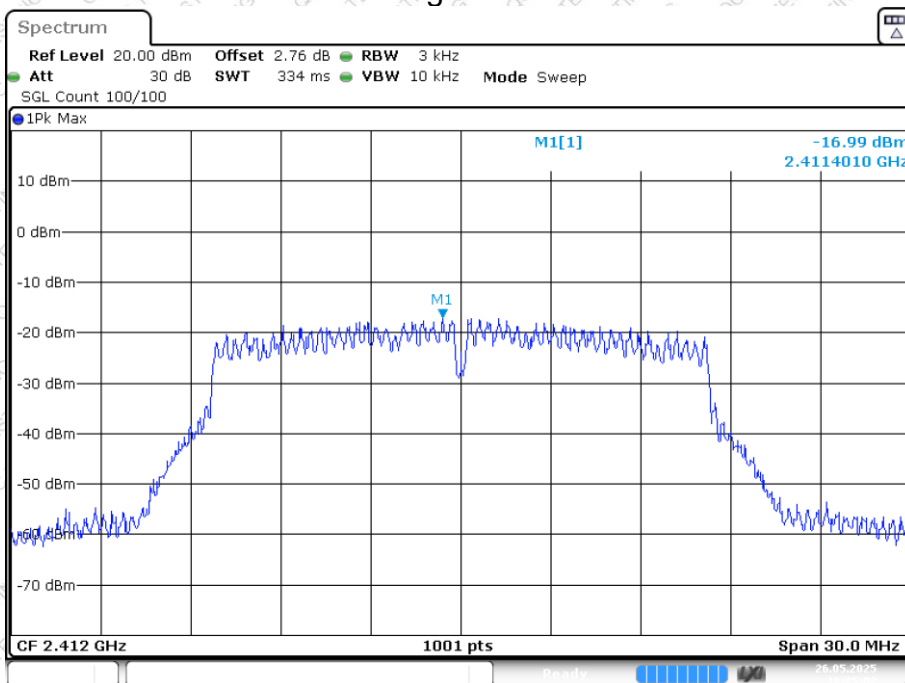
PSD NVNT b 2462MHz Ant2



Date: 26 MAY 2025 18:42:34

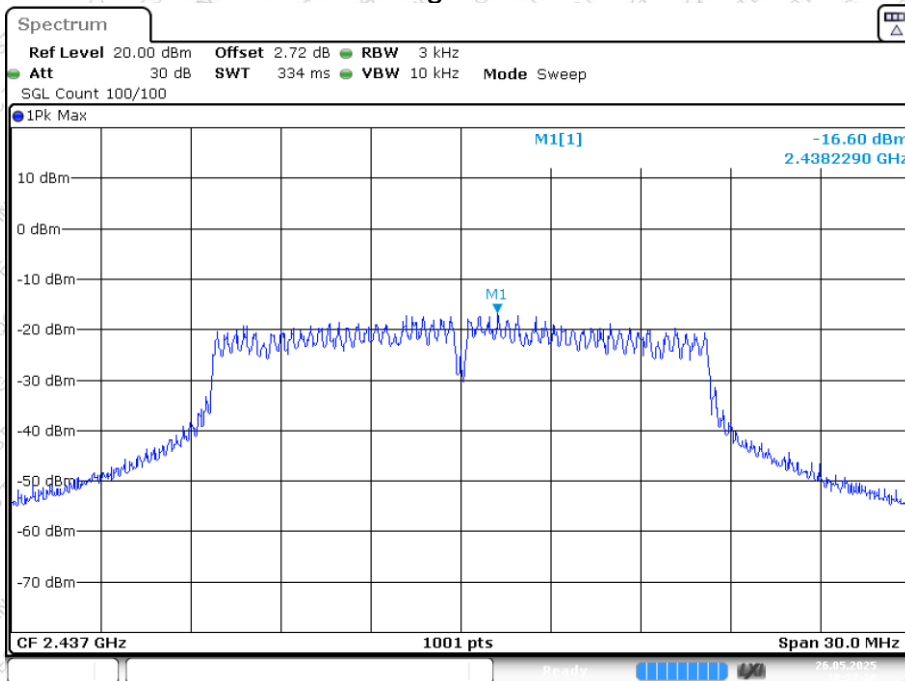


PSD NVNT g 2412MHz Ant1



Date: 26 MAY 2025 18:25:03

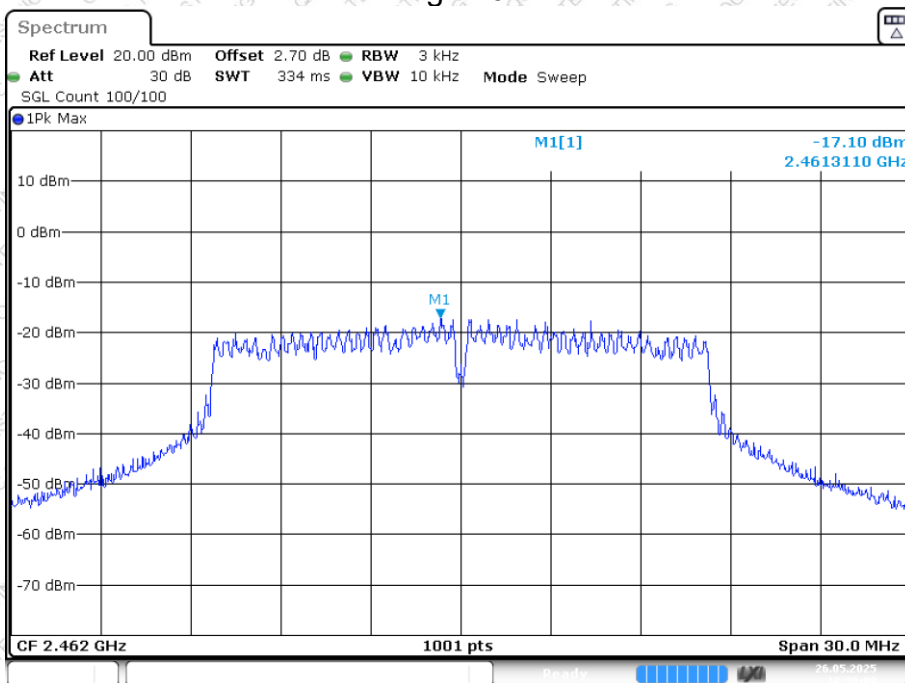
PSD NVNT g 2437MHz Ant1



Date: 26 MAY 2025 18:27:26

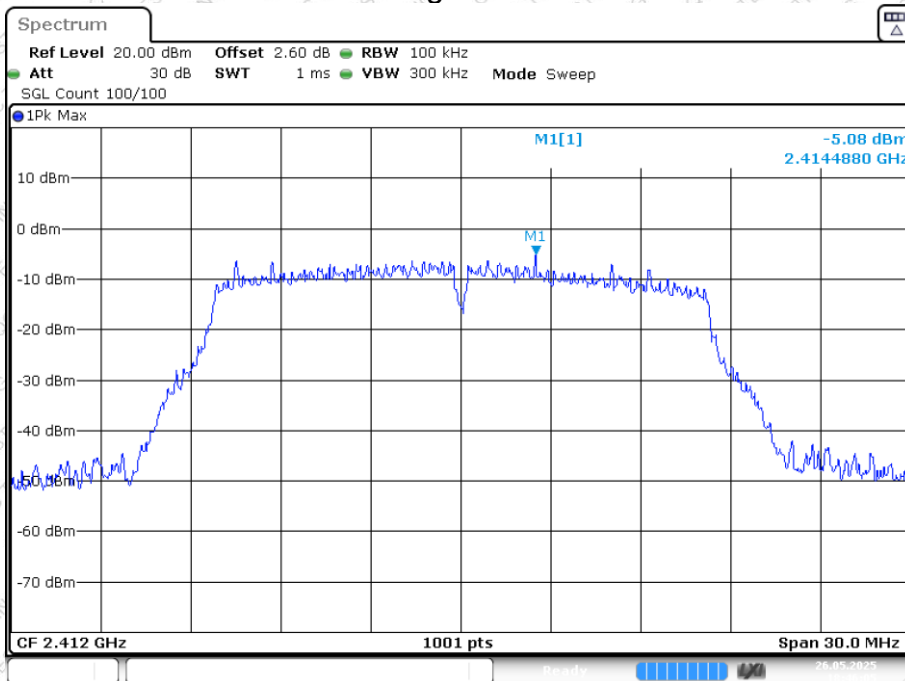


PSD NVNT g 2462MHz Ant1



Date: 26 MAY 2025 18:29:09

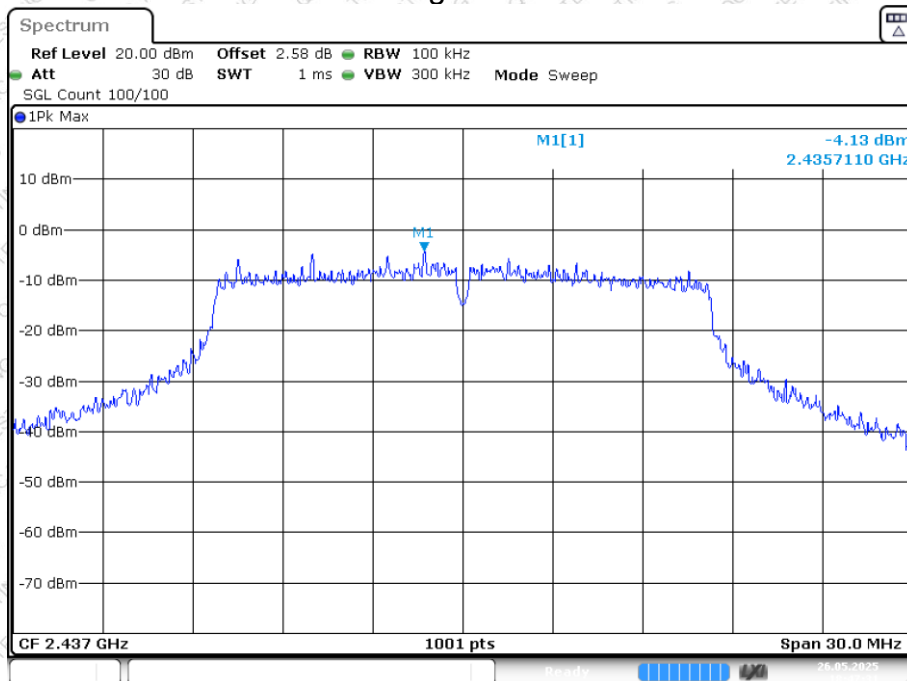
PSD NVNT g 2412MHz Ant2



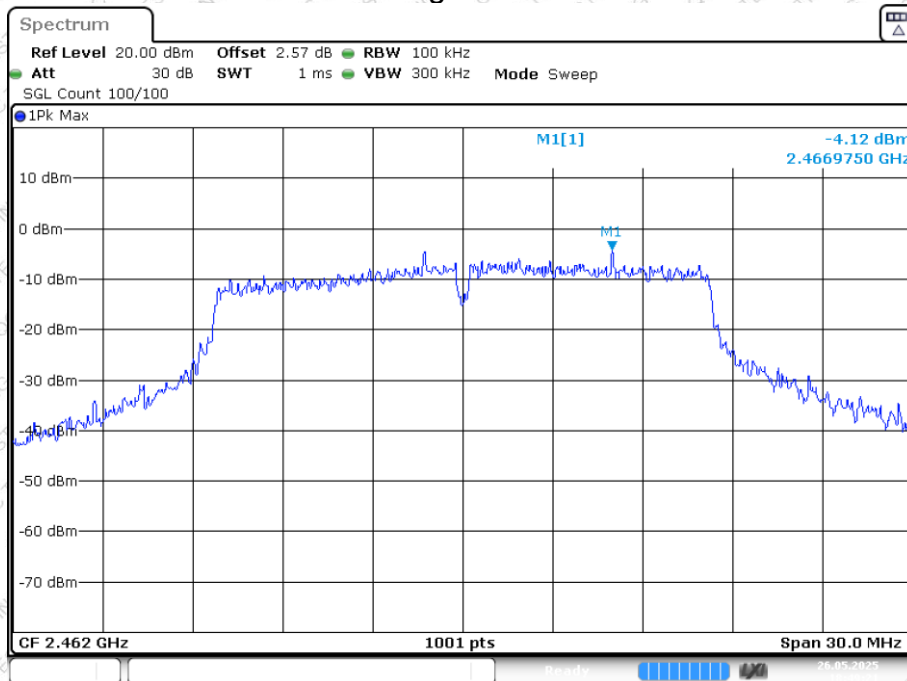
Date: 26 MAY 2025 18:46:06



PSD NVNT g 2437MHz Ant2

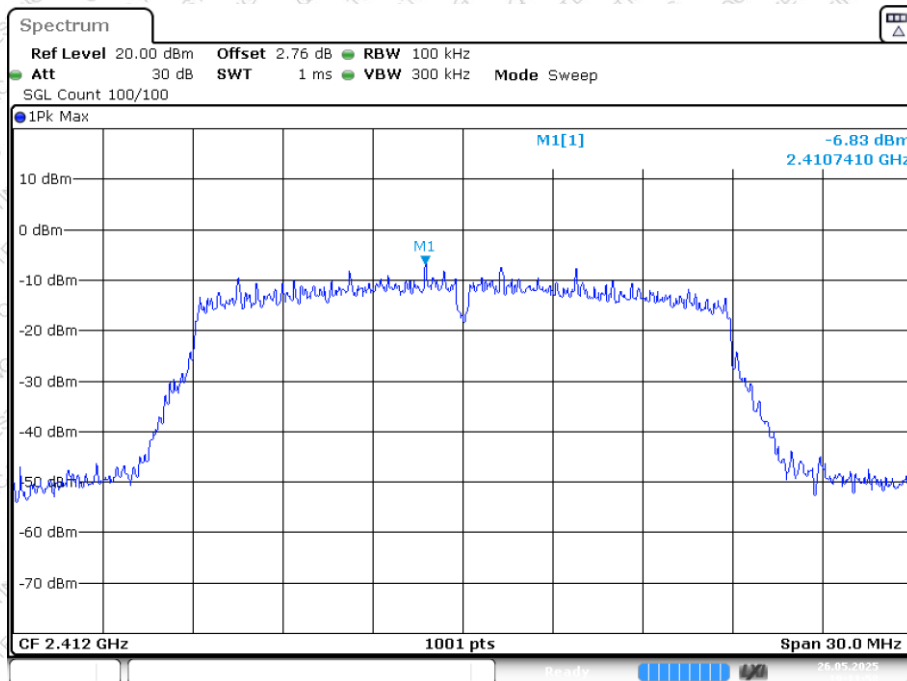


PSD NVNT g 2462MHz Ant2



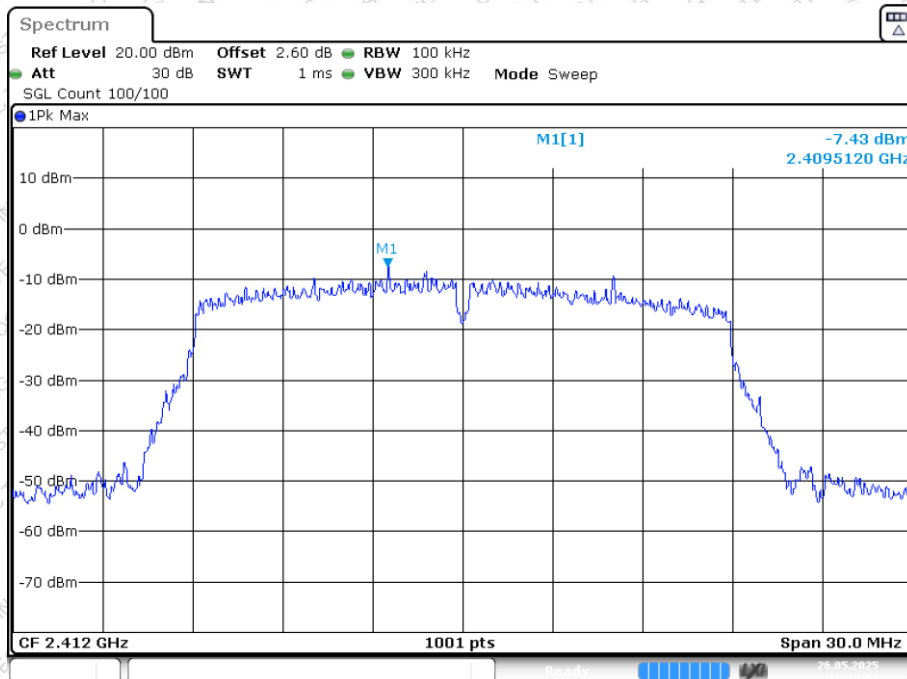


PSD NVNT n20 2412MHz Ant1



Date: 26 MAY 2025 19:11:58

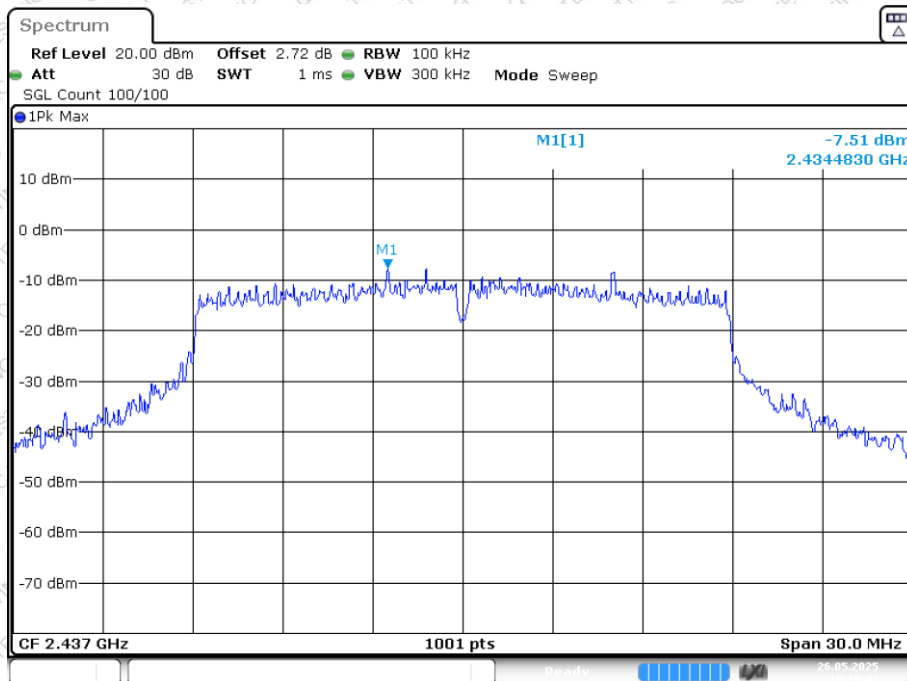
PSD NVNT n20 2412MHz Ant2



Date: 26 MAY 2025 19:12:01

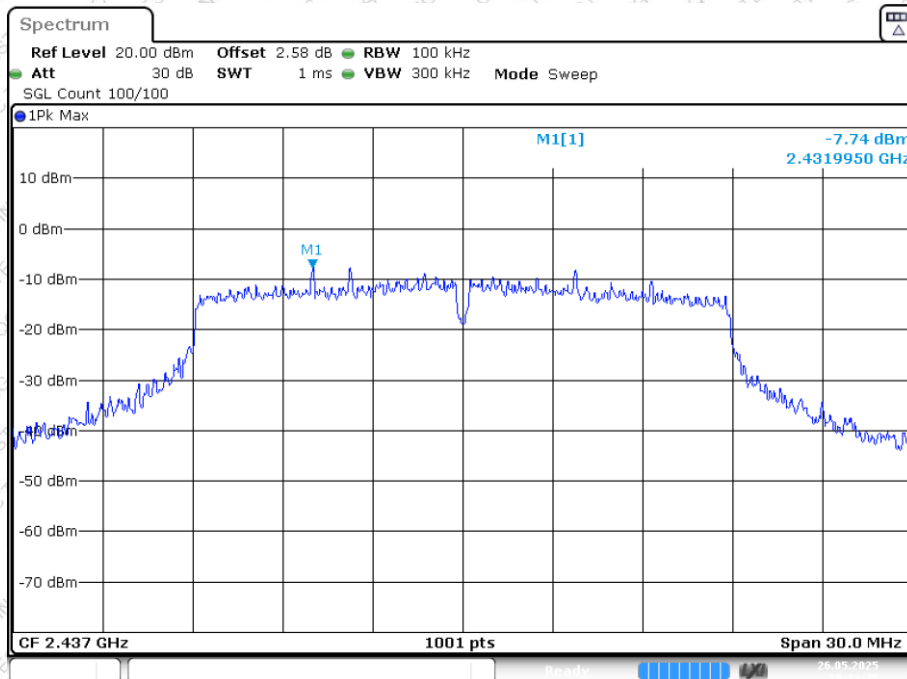


PSD NVNT n20 2437MHz Ant1



Date: 26 MAY 2025 19:13:42

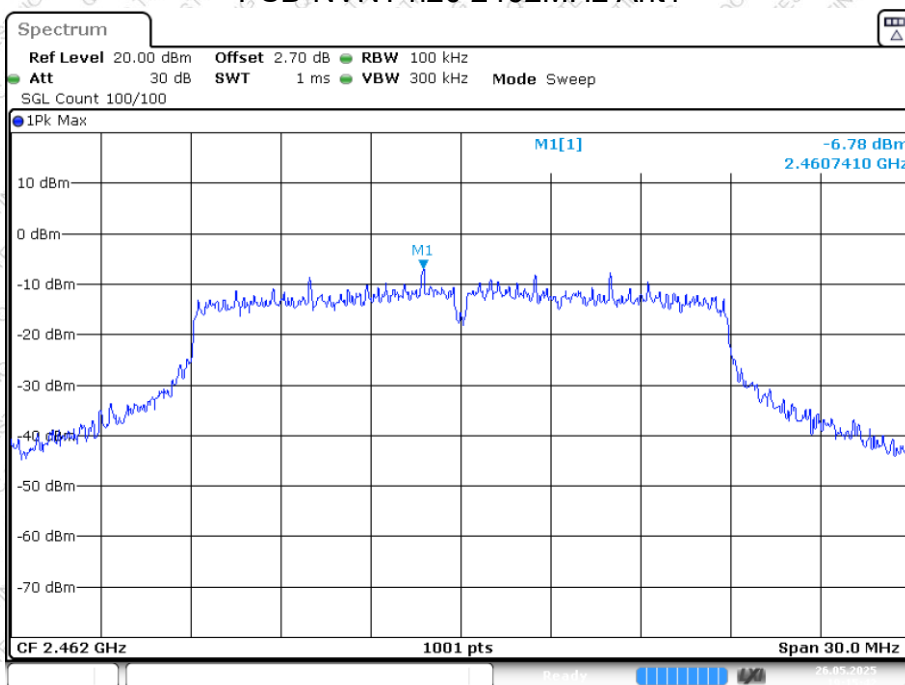
PSD NVNT n20 2437MHz Ant2



Date: 26 MAY 2025 19:13:46

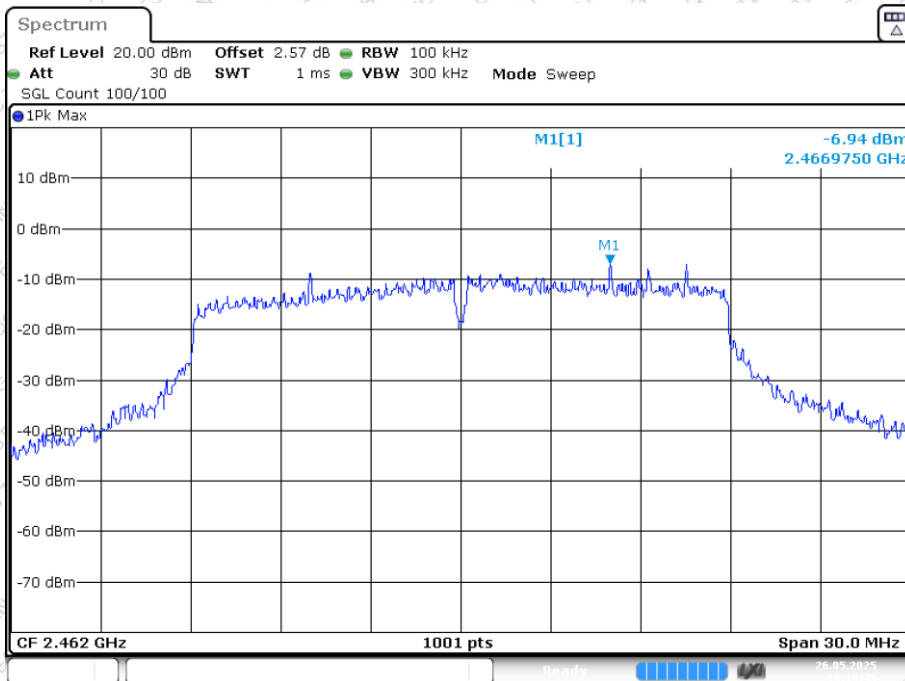


PSD NVNT n20 2462MHz Ant1



Date: 26 MAY 2025 19:15:42

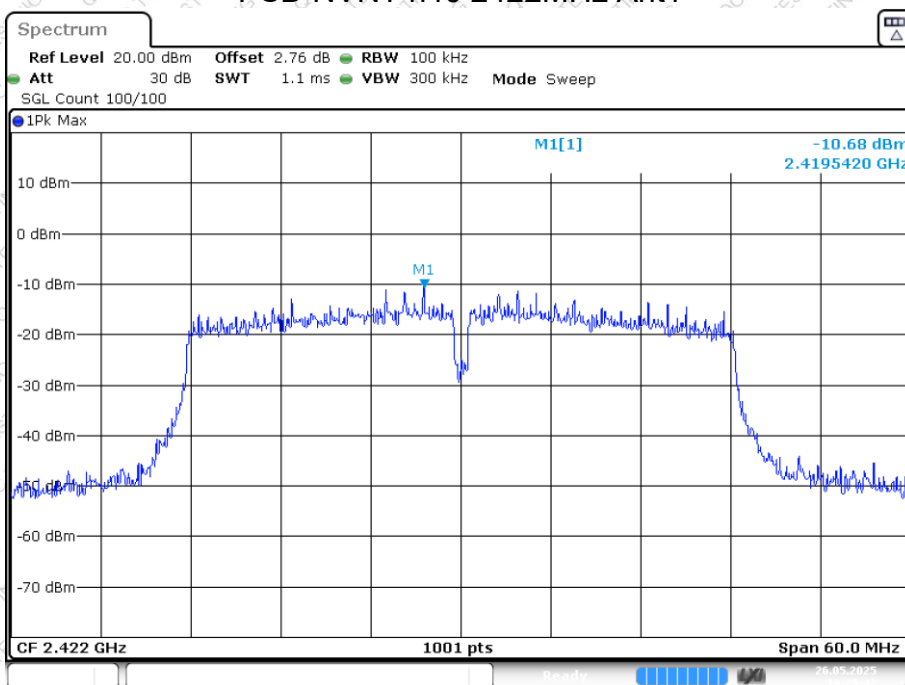
PSD NVNT n20 2462MHz Ant2



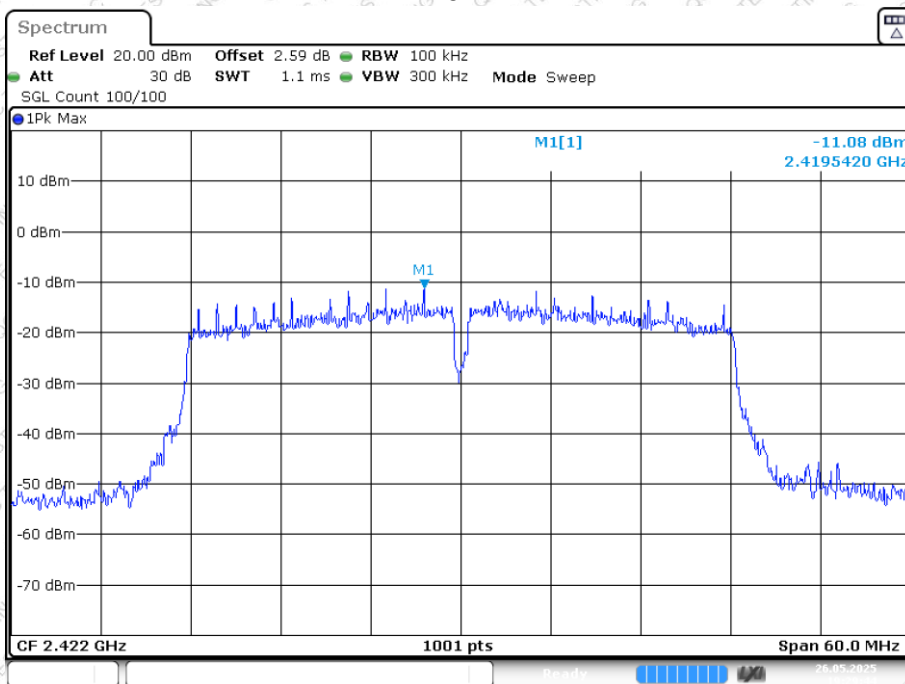
Date: 26 MAY 2025 19:15:46



PSD NVNT n40 2422MHz Ant1

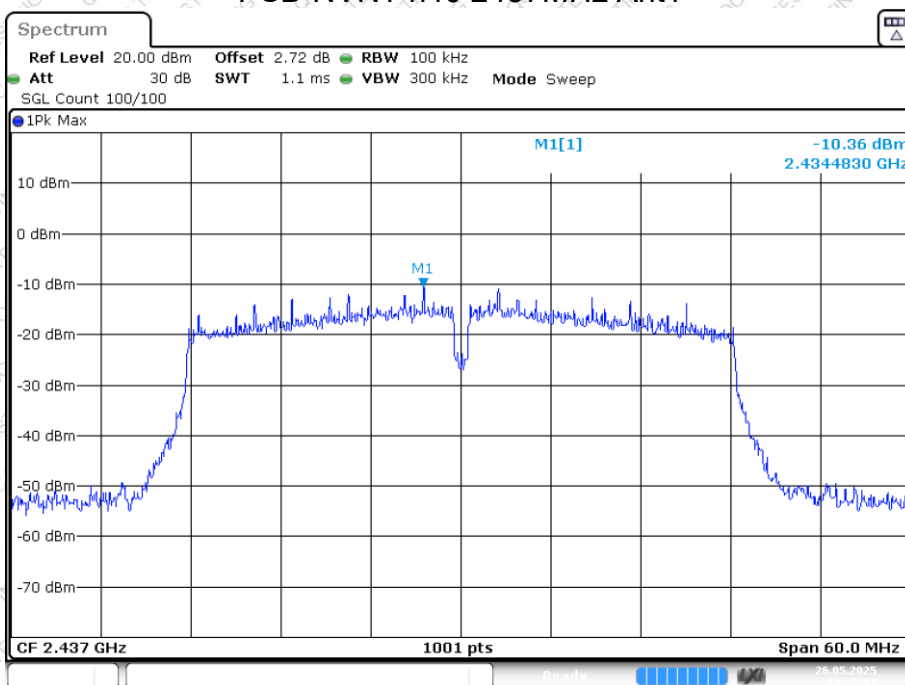


PSD NVNT n40 2422MHz Ant2

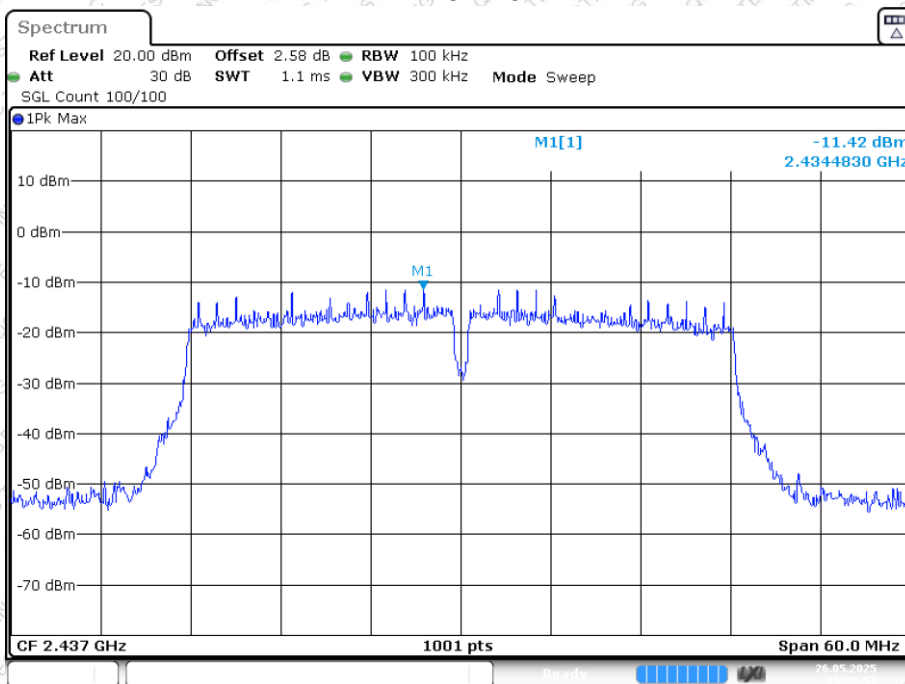




PSD NVNT n40 2437MHz Ant1

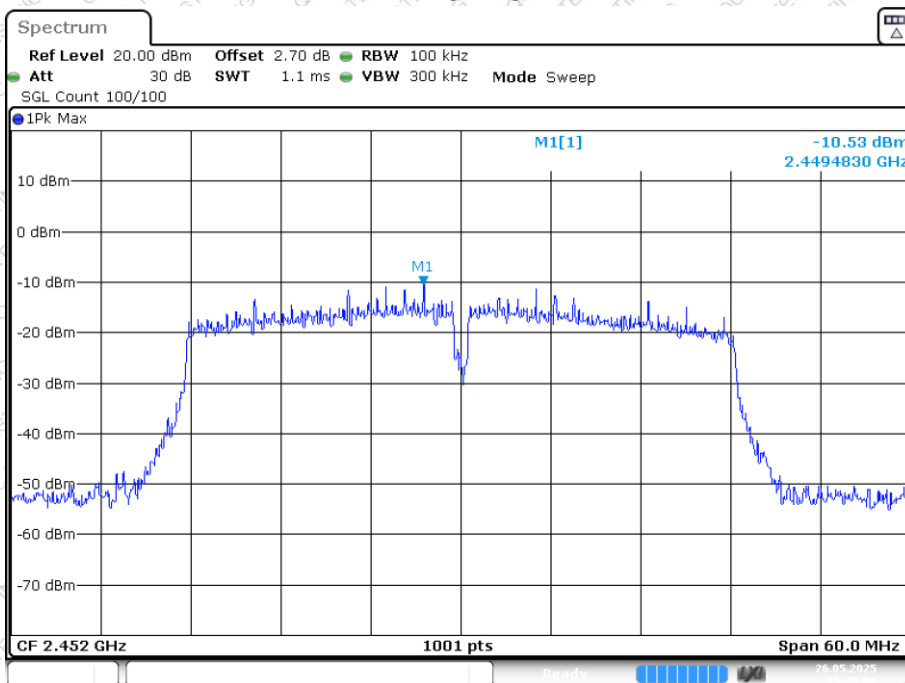


PSD NVNT n40 2437MHz Ant2

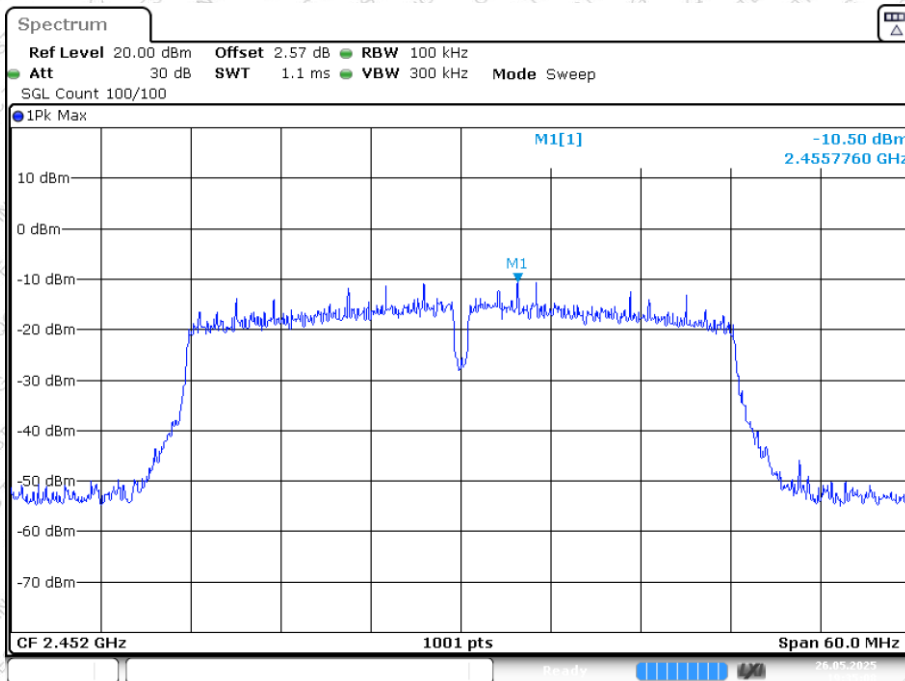




PSD NVNT n40 2452MHz Ant1

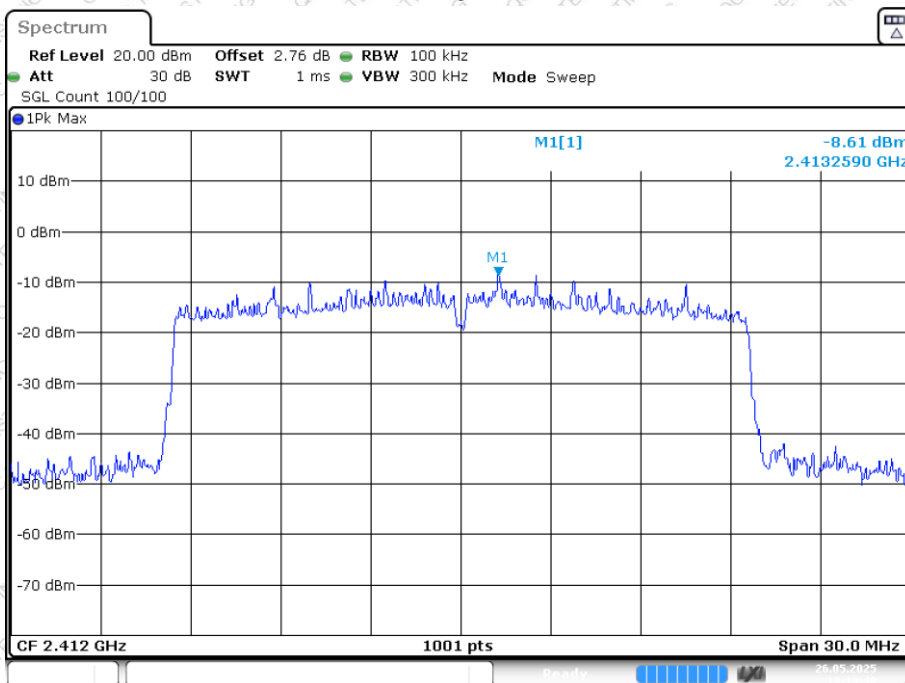


PSD NVNT n40 2452MHz Ant2

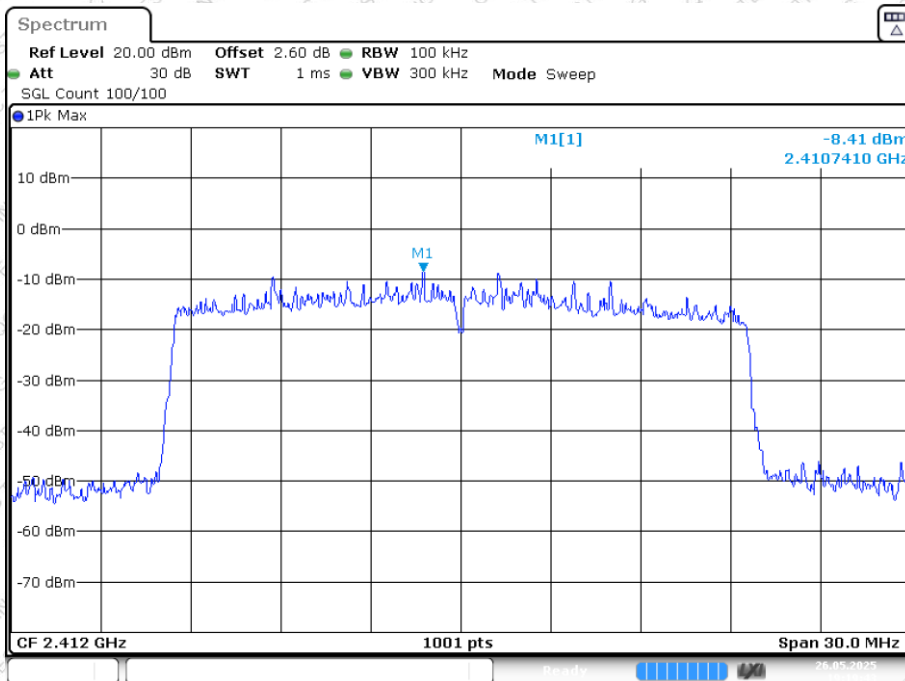




PSD NVNT ax20 2412MHz Ant1

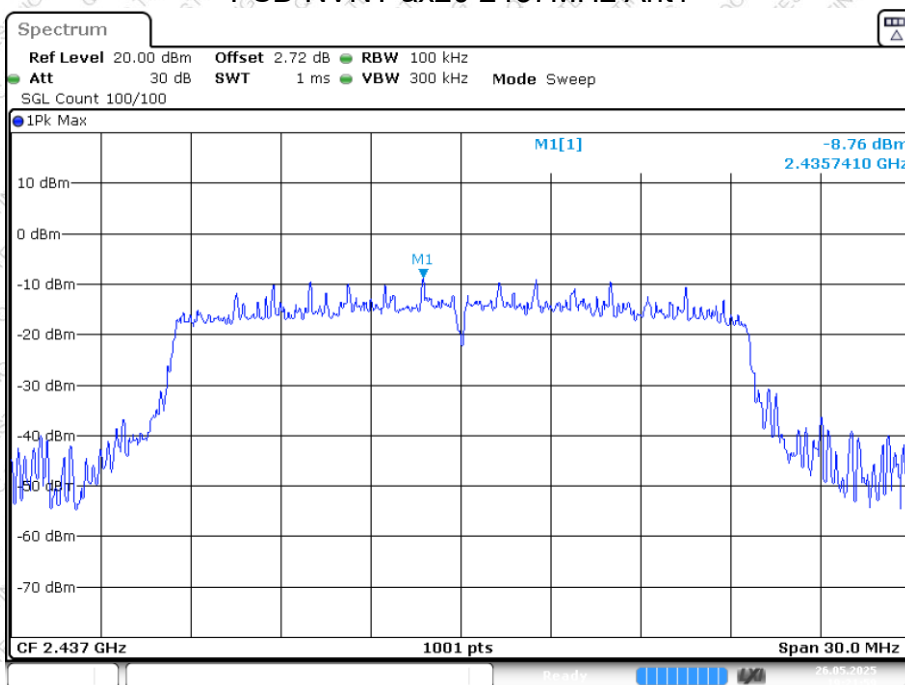


PSD NVNT ax20 2412MHz Ant2



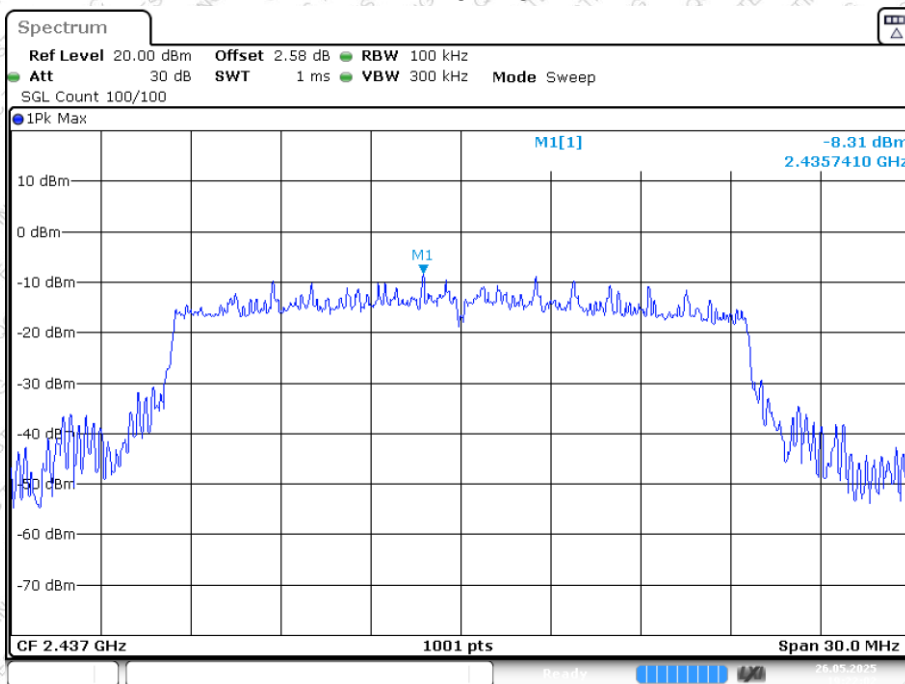


PSD NVNT ax20 2437MHz Ant1



Date: 26 MAY 2025 19:21:59

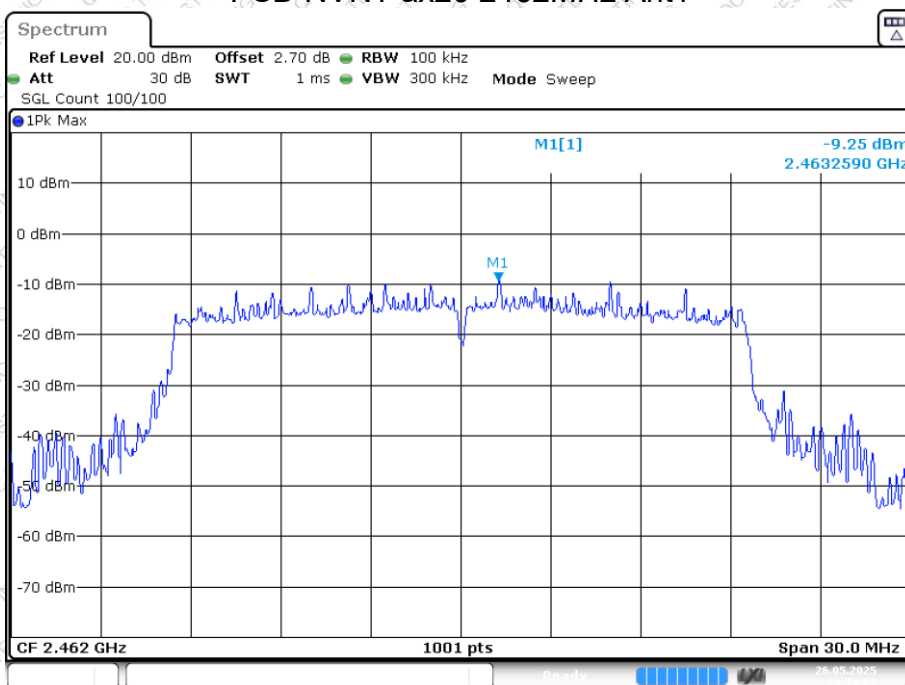
PSD NVNT ax20 2437MHz Ant2



Date: 26 MAY 2025 19:22:03

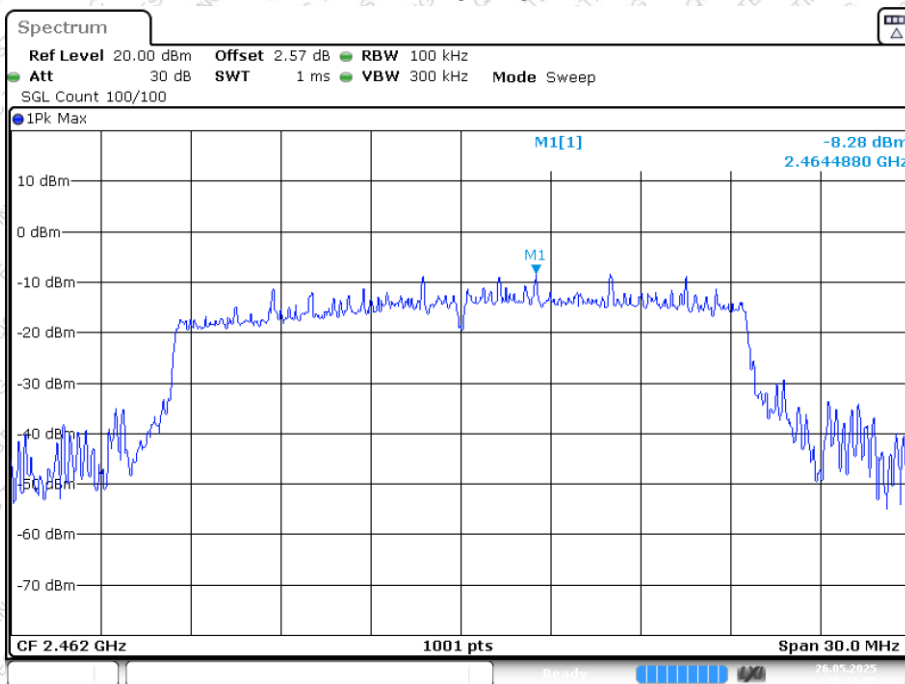


PSD NVNT ax20 2462MHz Ant1



Date: 26 MAY 2025 19:24:02

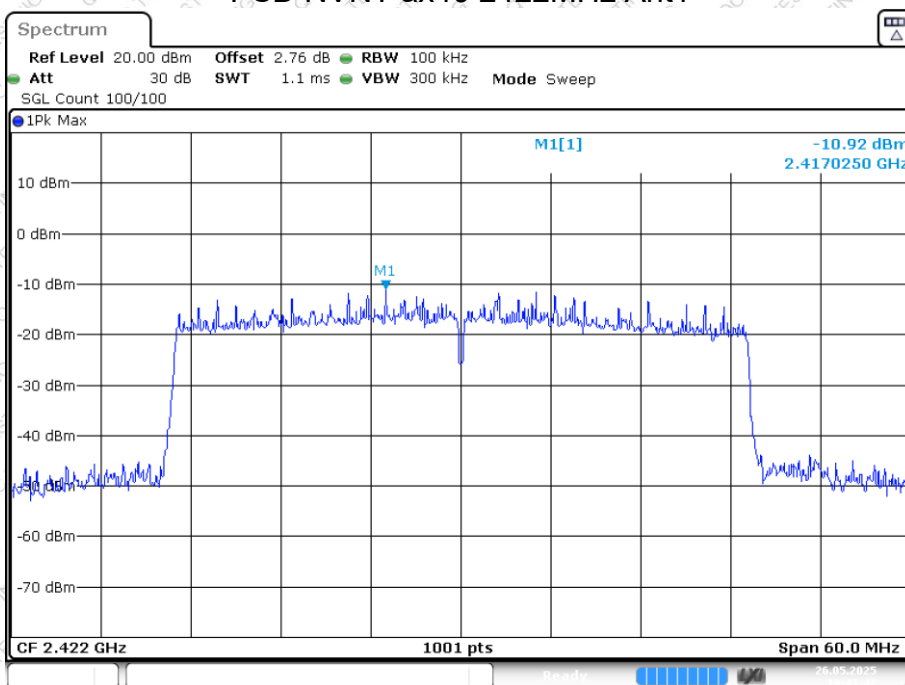
PSD NVNT ax20 2462MHz Ant2



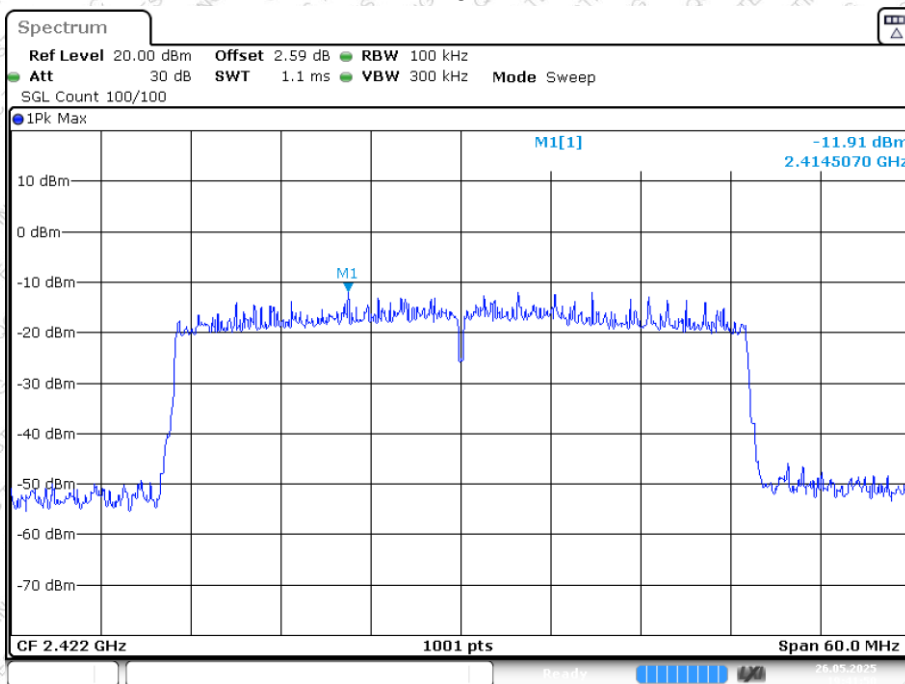
Date: 26 MAY 2025 19:24:06



PSD NVNT ax40 2422MHz Ant1

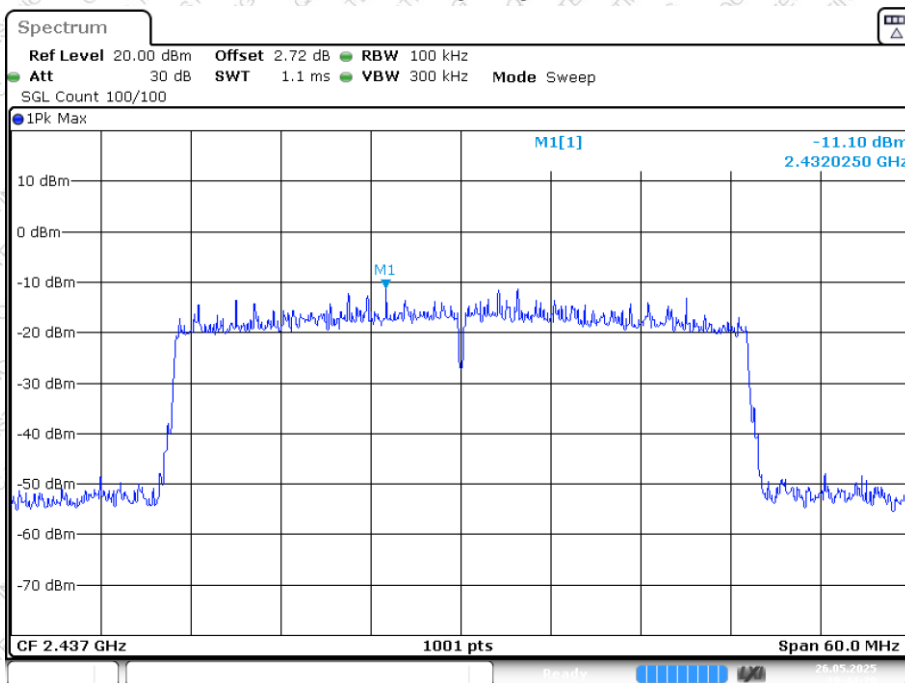


PSD NVNT ax40 2422MHz Ant2



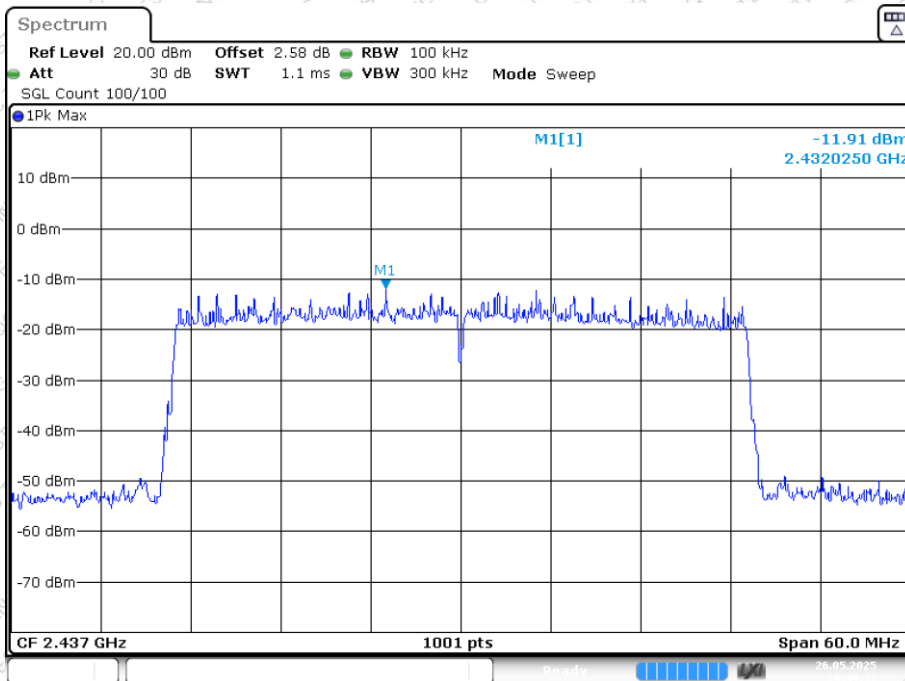


PSD NVNT ax40 2437MHz Ant1



Date: 26 MAY 2025 19:44:29

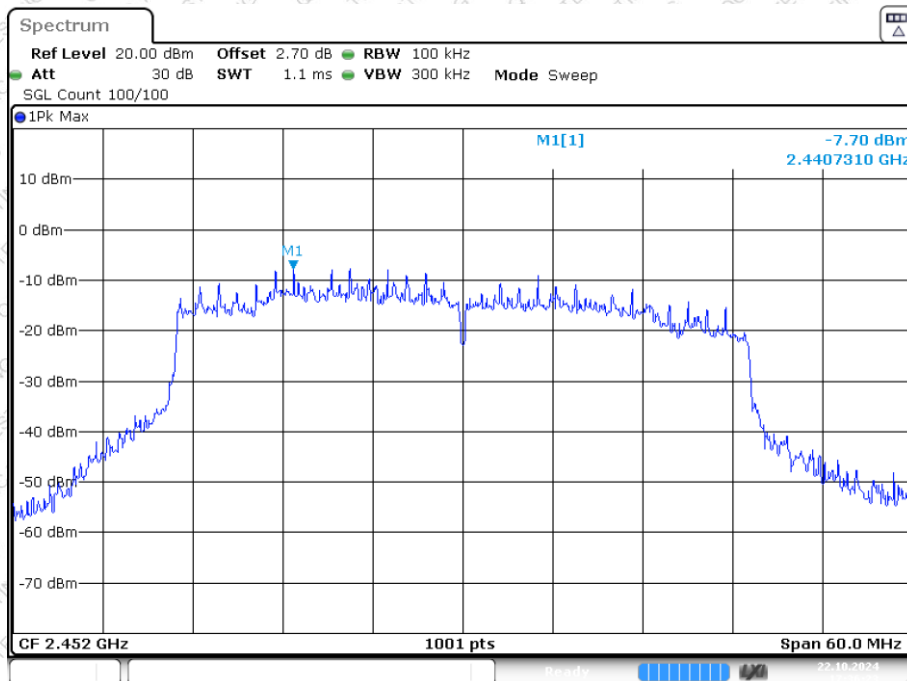
PSD NVNT ax40 2437MHz Ant2



Date: 26 MAY 2025 19:44:31

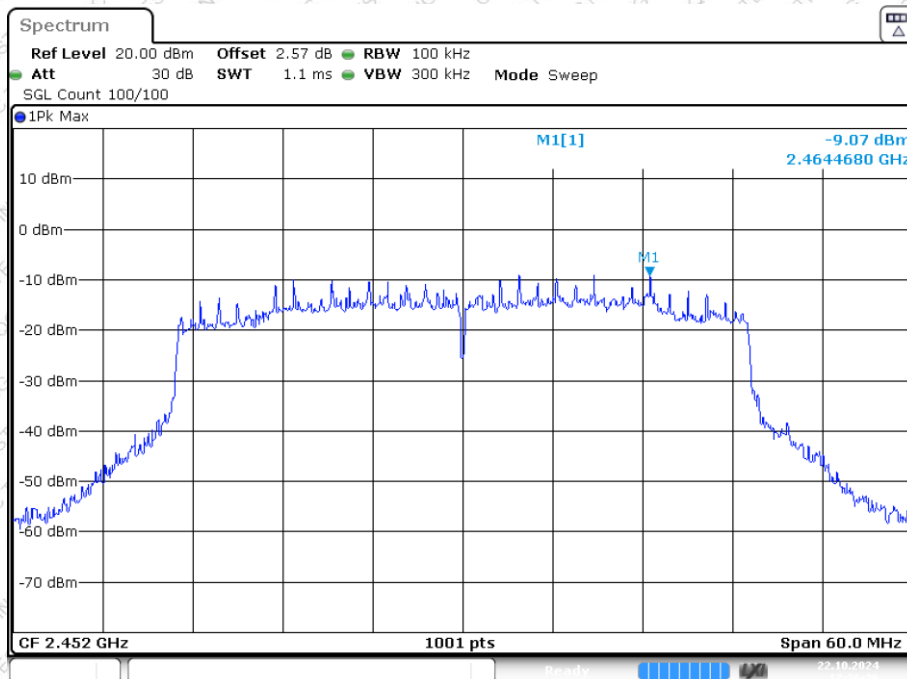


PSD NVNT ax40 2452MHz Ant1



Date: 26 MAY 2025 17:36:24

PSD NVNT ax40 2452MHz Ant2



Date: 26 MAY 2025 17:36:26

9. Spurious Emission in Non-restricted & restricted Bands

9.1 Conducted Emission Method

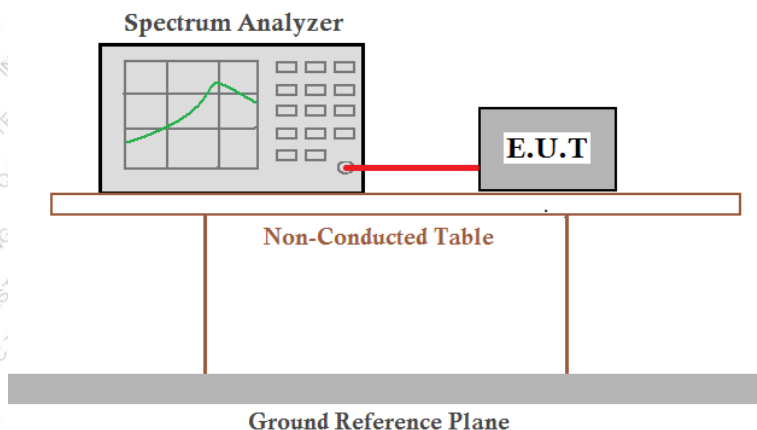
9.1.1 Applicable Standard

FCC Part15 C Section 15.247 (d)

9.1.2 Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

9.1.3 Test setup



9.1.4 Test Procedure

- Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
- Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
- Repeat above procedures until all measured frequencies were complete.

9.1.5 Test Data

Temperature	25.1 °C	Humidity	52 %
ATM Pressure	101.1kPa	Antenna Gain	Ant 1: 2.78dBi Ant 2: -4.56dBi
Test by	LBi Li	Test result	PASS

Please refer to following plots.

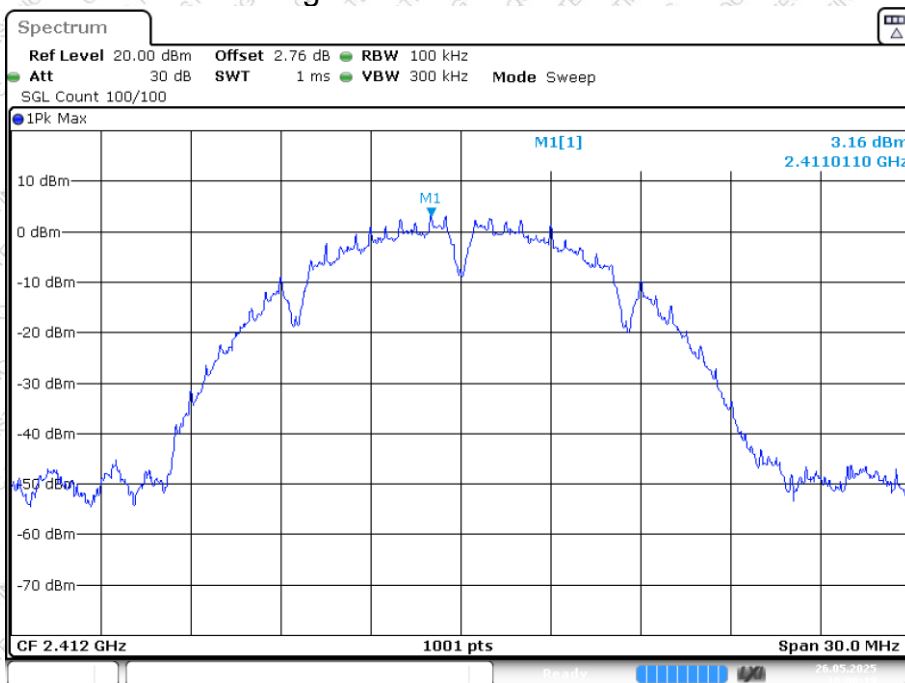


Band Edge:

Modulation	Frequency (MHz)	Max Value (dBc)		Limit (dBc)	Verdict
		Ant1	Ant2		
b	2412	-53.08	-52.02	-20	Pass
b	2462	-52.5	-53.03	-20	Pass
g	2412	-43.95	-44.89	-20	Pass
g	2462	-45.21	-45.47	-20	Pass
n20	2412	-43.07	-41.79	-20	Pass
n20	2462	-41.66	-43.36	-20	Pass
n40	2422	-38.51	-39.64	-20	Pass
n40	2452	-38.77	-39.41	-20	Pass
ax20	2412	-40.45	-41.28	-20	Pass
ax20	2462	-41.23	-41.1	-20	Pass
ax40	2422	-36.96	-38.36	-20	Pass
ax40	2452	-39.19	-38.56	-20	Pass

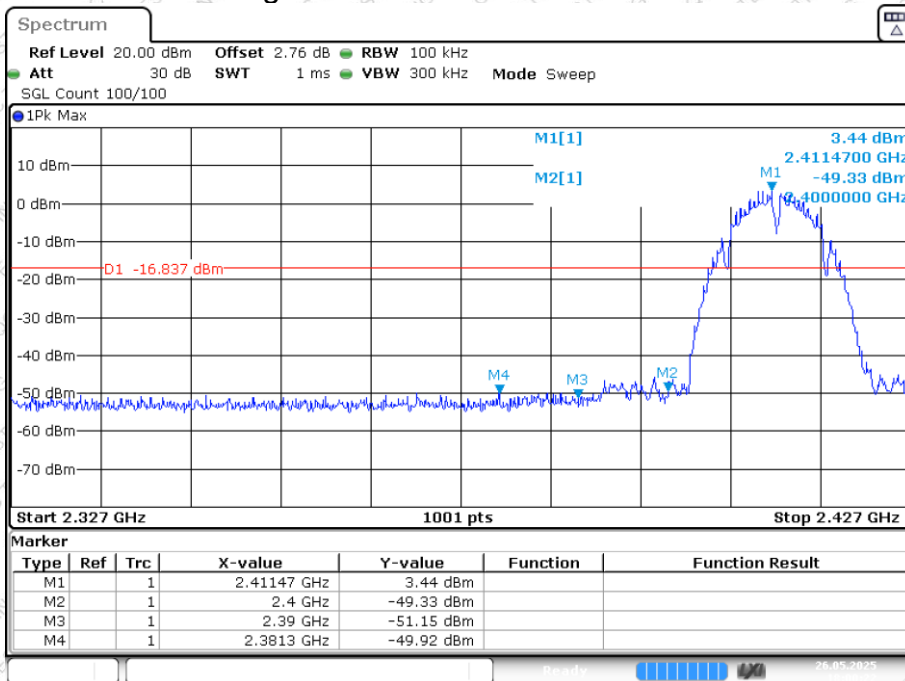


Band Edge NVNT b 2412MHz Ant1 Ref



Date: 26 MAY 2025 18:00:20

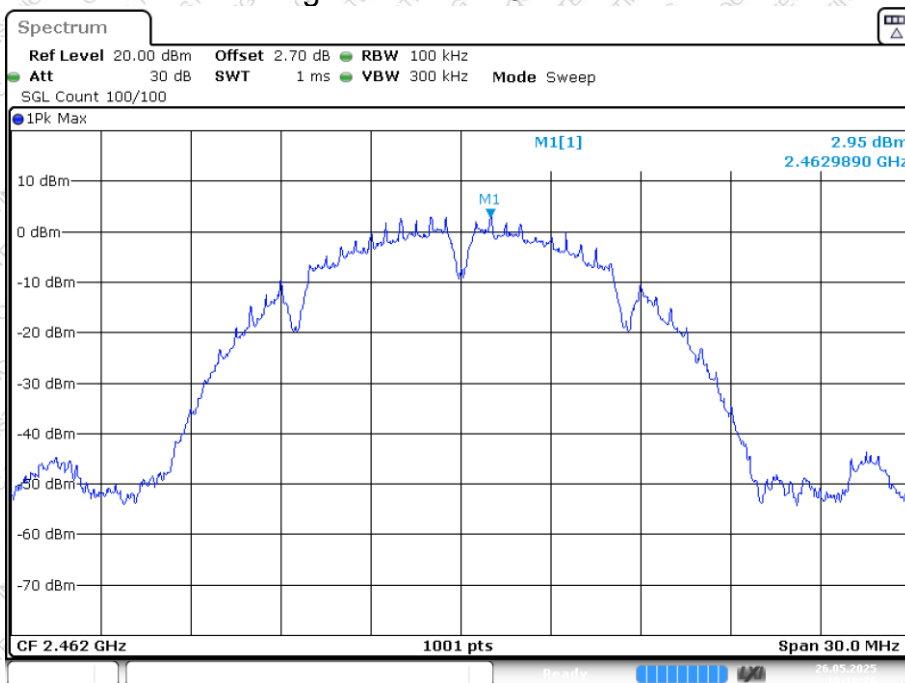
Band Edge NVNT b 2412MHz Ant1 Emission



Date: 26 MAY 2025 18:00:22

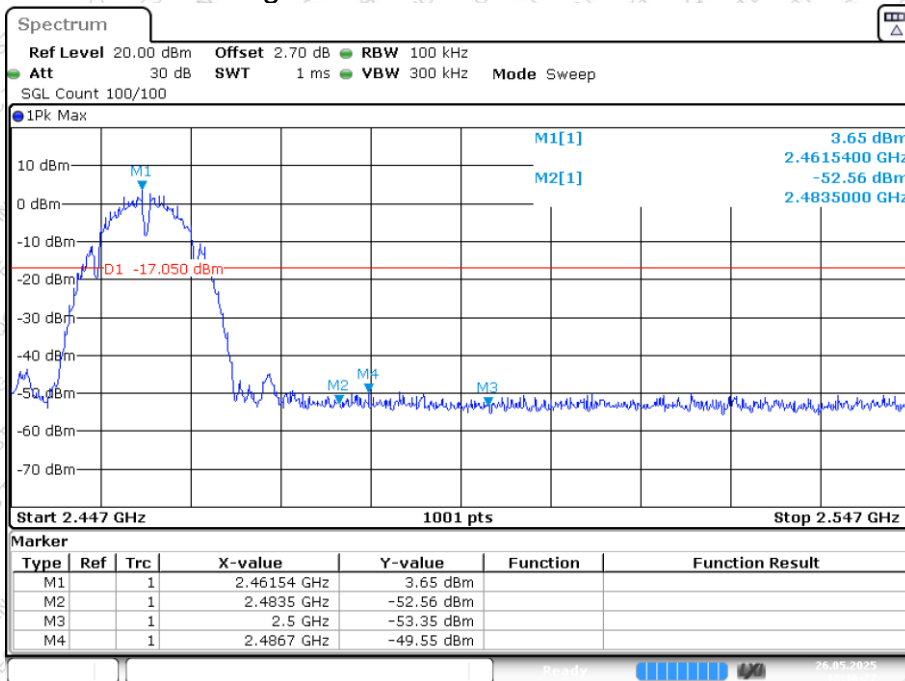


Band Edge NVNT b 2462MHz Ant1 Ref



Date: 26 MAY 2025 18:16:26

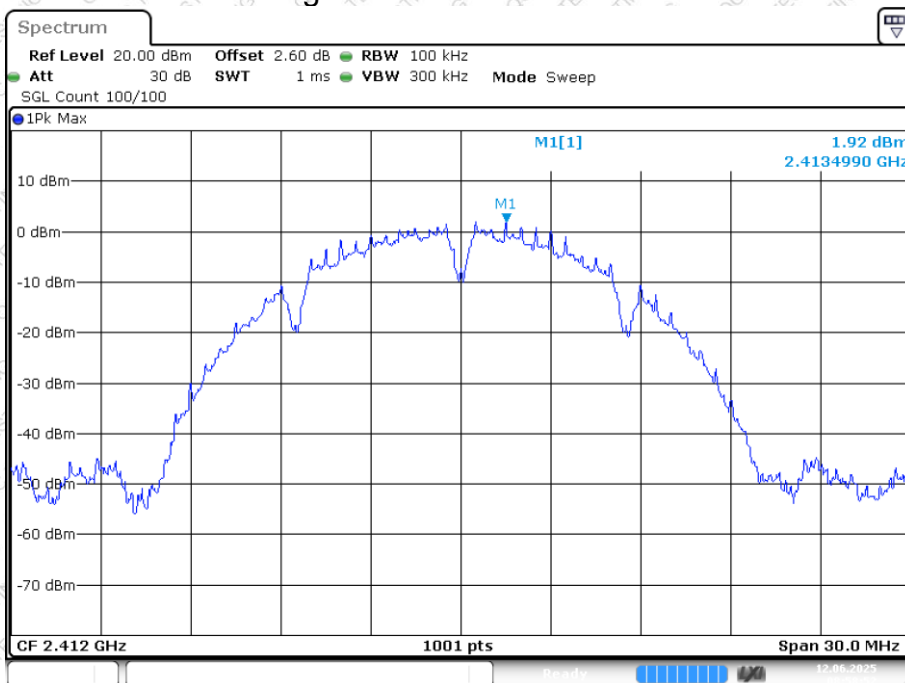
Band Edge NVNT b 2462MHz Ant1 Emission



Date: 26 MAY 2025 18:16:28

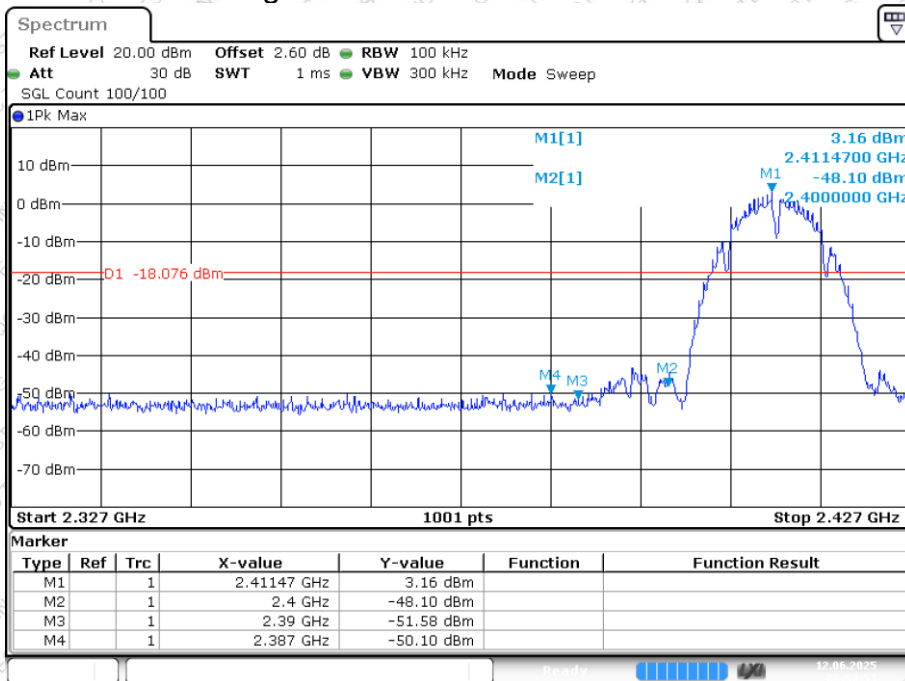


Band Edge NVNT b 2412MHz Ant2 Ref



Date: 12 JUN.2025 08:58:52

Band Edge NVNT b 2412MHz Ant2 Emission



Date: 12 JUN.2025 08:58:53