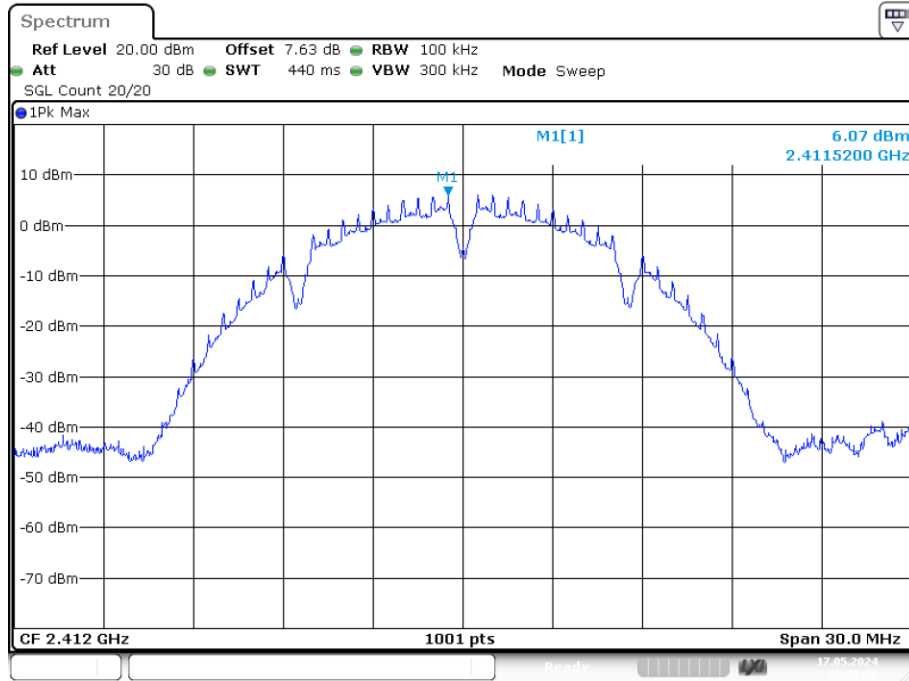
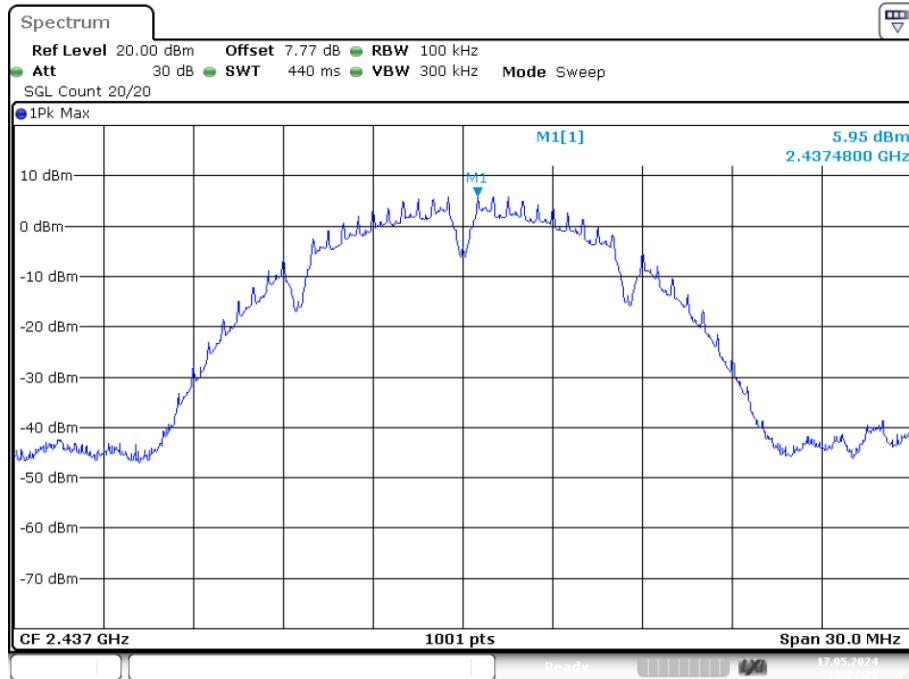


PSD NVNT b 2412MHz Ant2



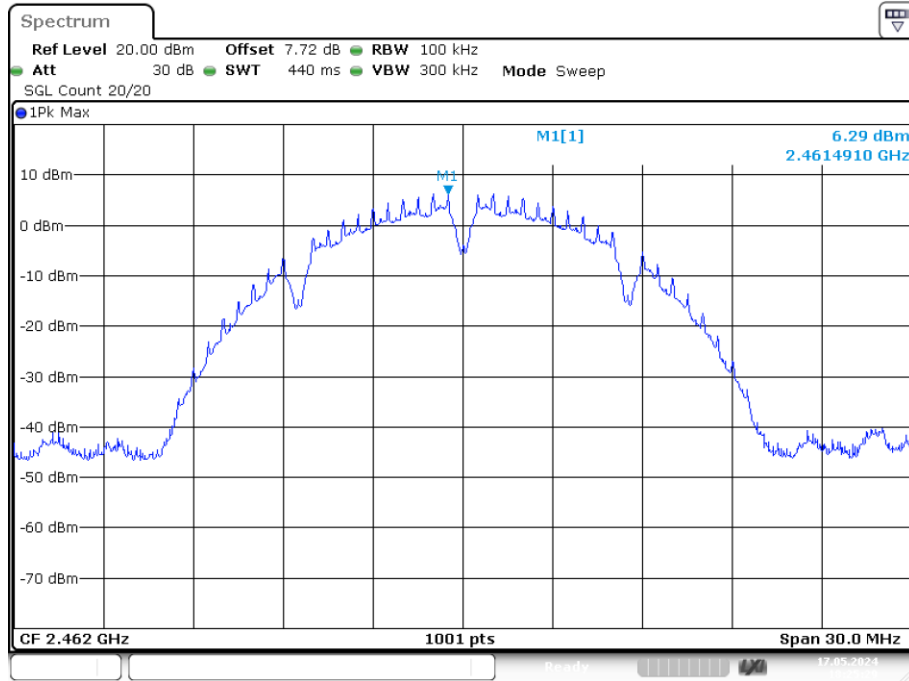
Date: 17.MAY.2024 18:23:06

PSD NVNT b 2437MHz Ant2



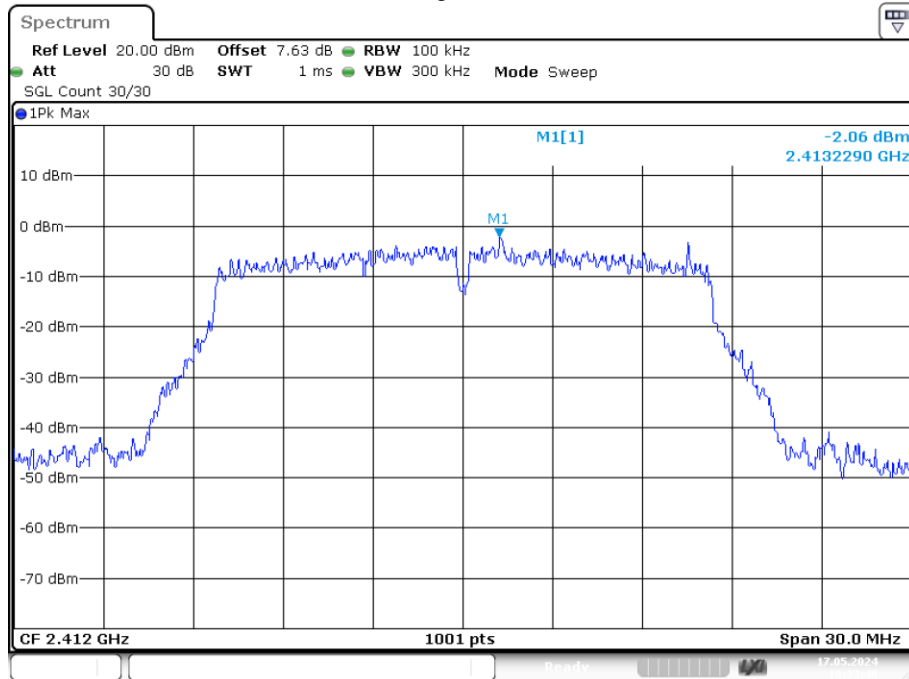
Date: 17.MAY.2024 18:24:28

PSD NVNT b 2462MHz Ant2



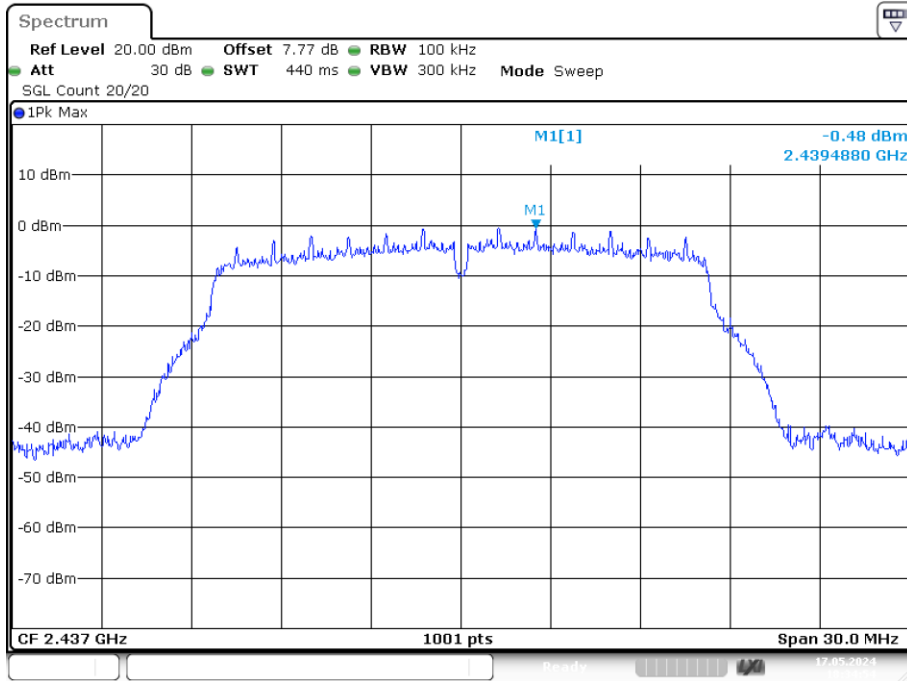
Date: 17.MAY.2024 18:25:29

PSD NVNT g 2412MHz Ant2



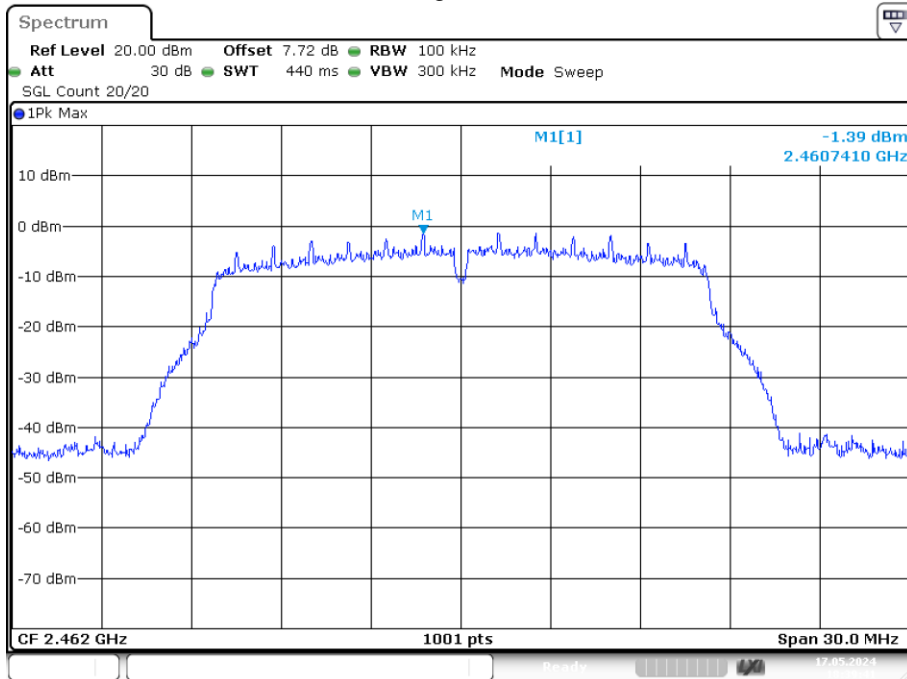
Date: 17.MAY.2024 18:33:40

PSD NVNT g 2437MHz Ant2



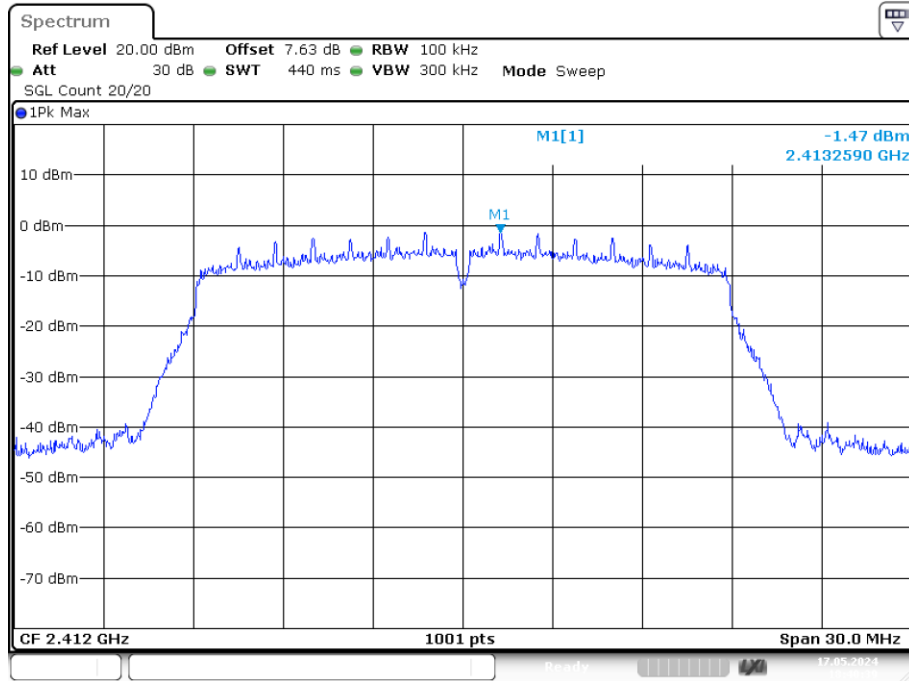
Date: 17.MAY.2024 18:34:54

PSD NVNT g 2462MHz Ant2



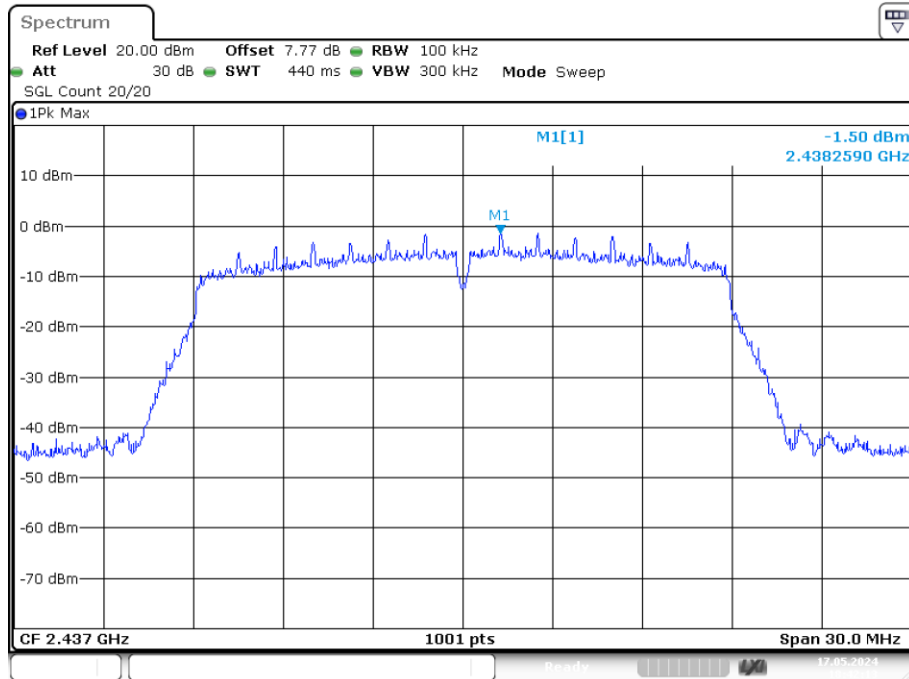
Date: 17.MAY.2024 18:39:41

PSD NVNT n20 2412MHz Ant2



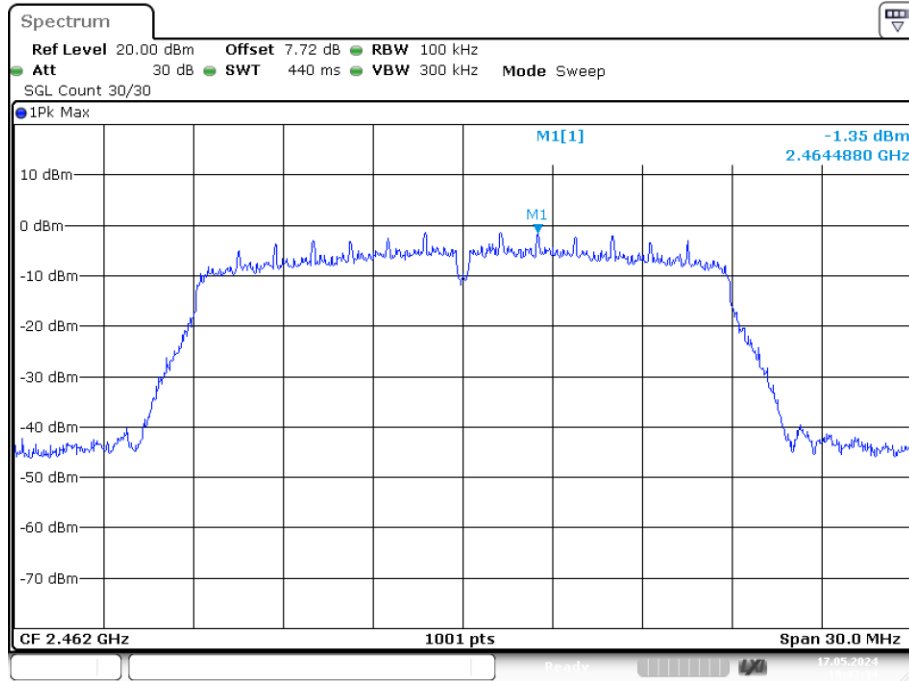
Date: 17.MAY.2024 18:40:39

PSD NVNT n20 2437MHz Ant2



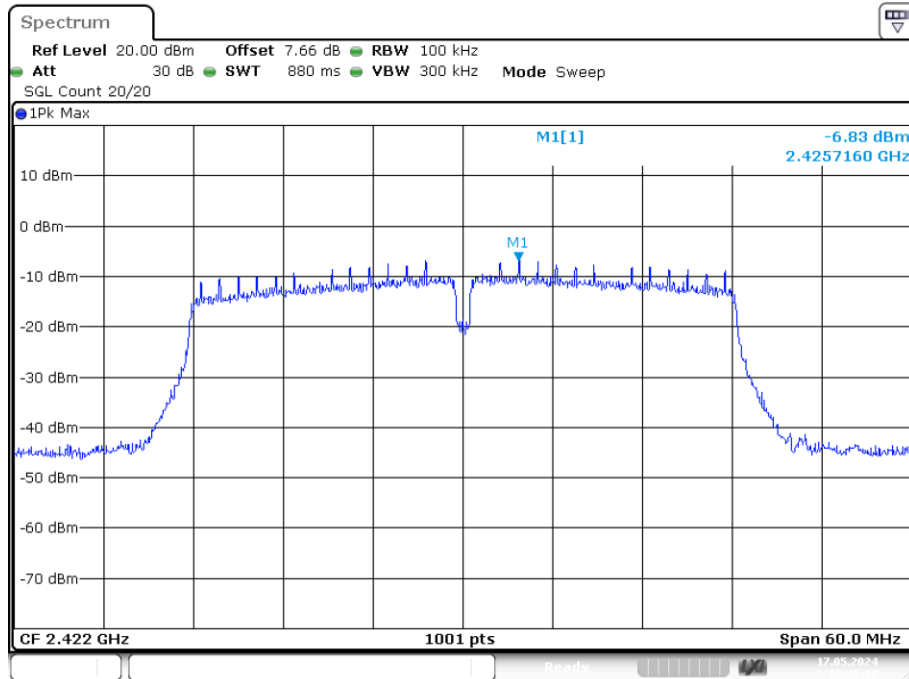
Date: 17.MAY.2024 18:42:14

PSD NVNT n20 2462MHz Ant2



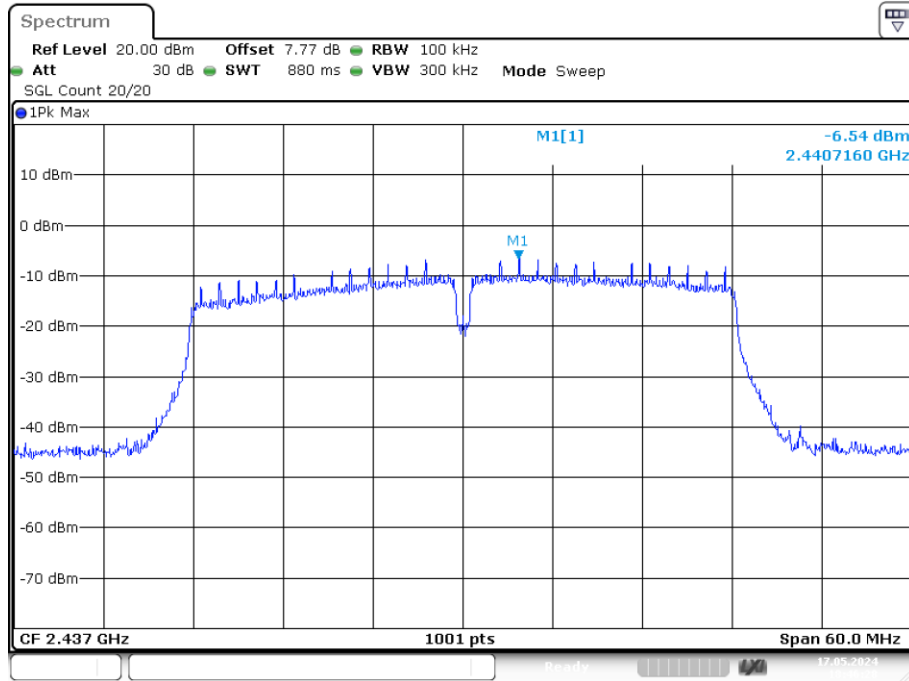
Date: 17.MAY.2024 18:43:34

PSD NVNT n40 2422MHz Ant2



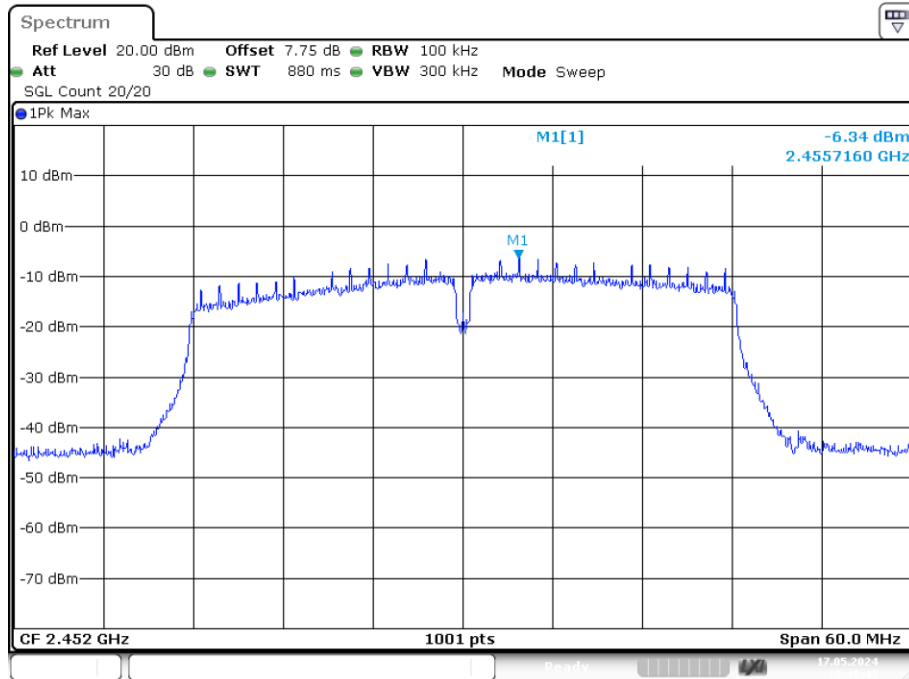
Date: 17.MAY.2024 18:45:01

PSD NVNT n40 2437MHz Ant2



Date: 17.MAY.2024 18:46:28

PSD NVNT n40 2452MHz Ant2



Date: 17.MAY.2024 18:48:43

7. BANDWIDTH

7.1. Test limits

Please refer FCC PART 15: 15.247

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500 kHz.

7.2. Test Procedure

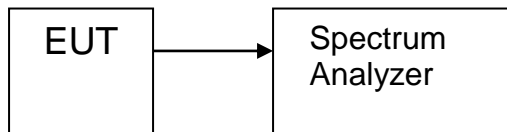
Details see the KDB558074 D01 Meas Guidance v05r02

a) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.

b) The test receiver set RBW = 1-5%BW, VBW ≥ 3*RBW, Sweep time set auto, detail see the test plot for 99% Bandwidth.

c) The test receiver set RBW = 100kHz, VBW ≥ 3*RBW = 300kHz, Sweep time set auto, detail see the test plot for 6dB Bandwidth.

7.3. Test Setup

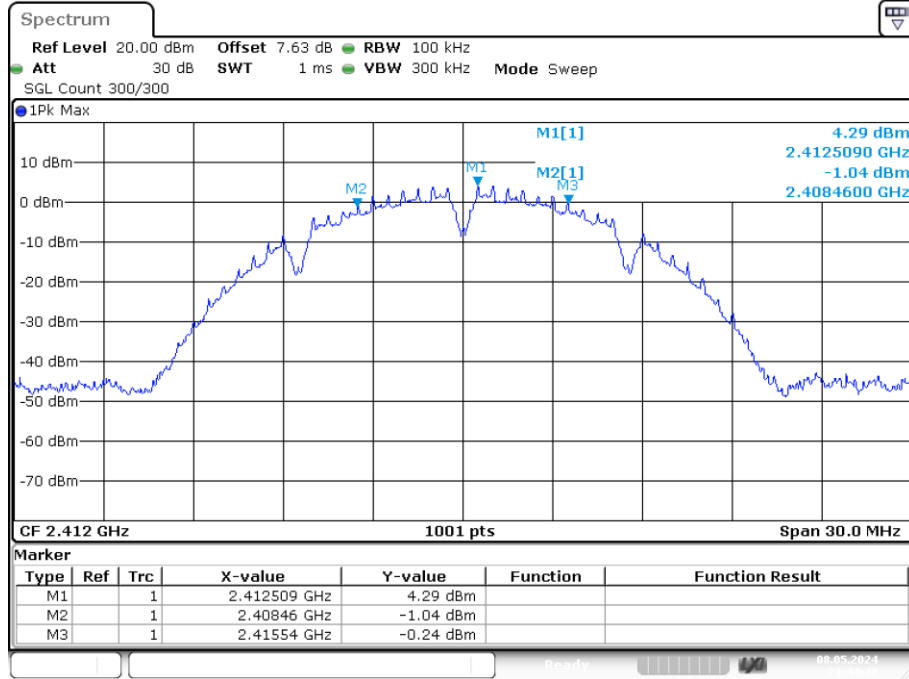


7.4. Test Results

-6dB Bandwidth

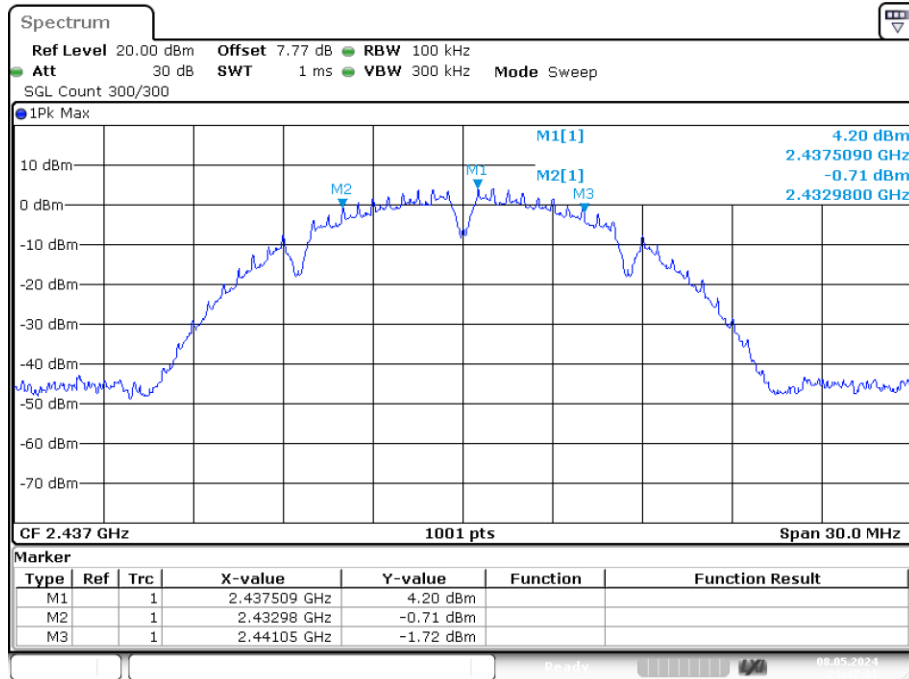
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.08	0.5	Pass
NVNT	b	2437	Ant1	8.07	0.5	Pass
NVNT	b	2462	Ant1	8.04	0.5	Pass
NVNT	g	2412	Ant1	14.22	0.5	Pass
NVNT	g	2437	Ant1	14.46	0.5	Pass
NVNT	g	2462	Ant1	15.66	0.5	Pass
NVNT	n20	2412	Ant1	15.09	0.5	Pass
NVNT	n20	2437	Ant1	13.41	0.5	Pass
NVNT	n20	2462	Ant1	15.69	0.5	Pass
NVNT	n40	2422	Ant1	31.38	0.5	Pass
NVNT	n40	2437	Ant1	33.9	0.5	Pass
NVNT	n40	2452	Ant1	34.98	0.5	Pass

-6dB Bandwidth NVNT b 2412MHz Ant1



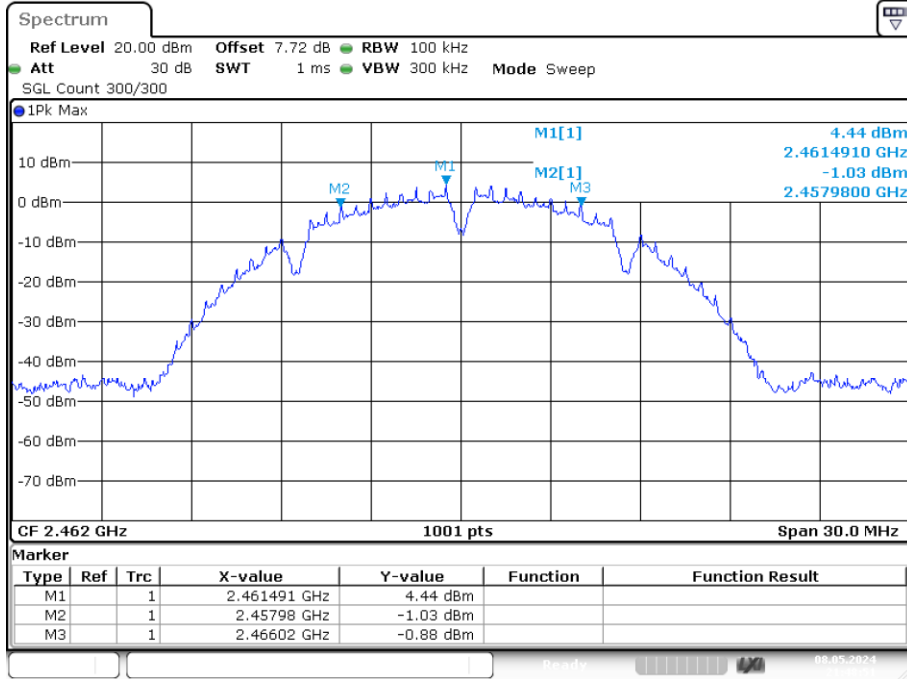
Date: 8.MAY.2024 21:44:47

-6dB Bandwidth NVNT b 2437MHz Ant1



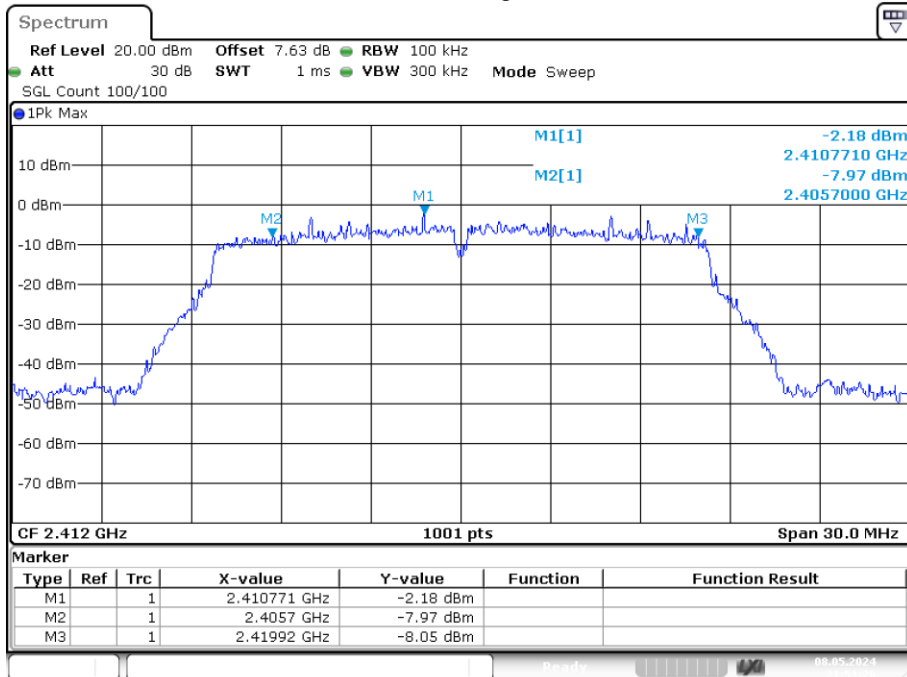
Date: 8.MAY.2024 21:47:01

-6dB Bandwidth NVNT b 2462MHz Ant1



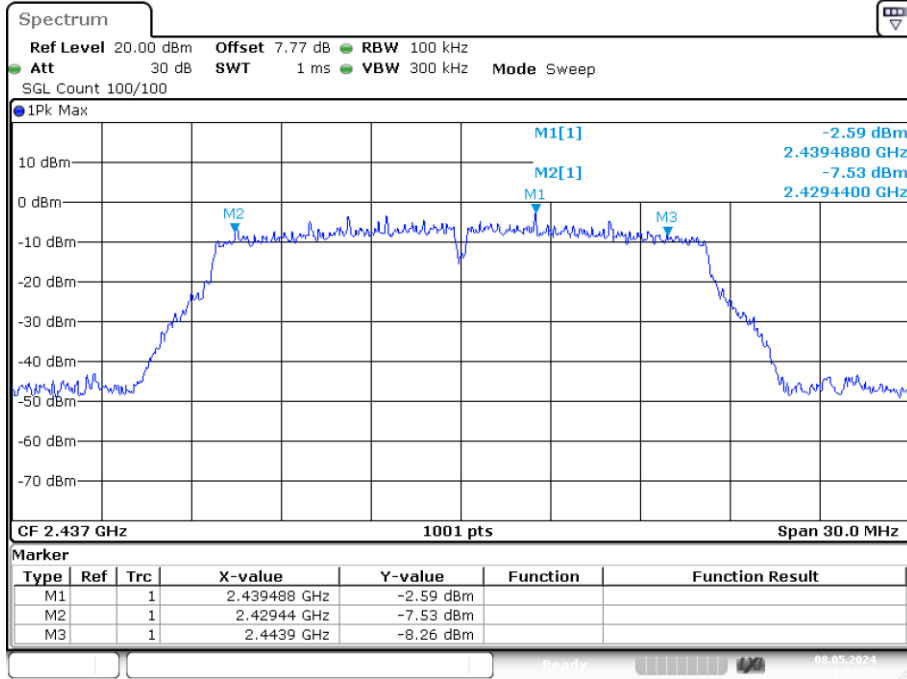
Date: 8.MAY.2024 21:48:51

-6dB Bandwidth NVNT g 2412MHz Ant1



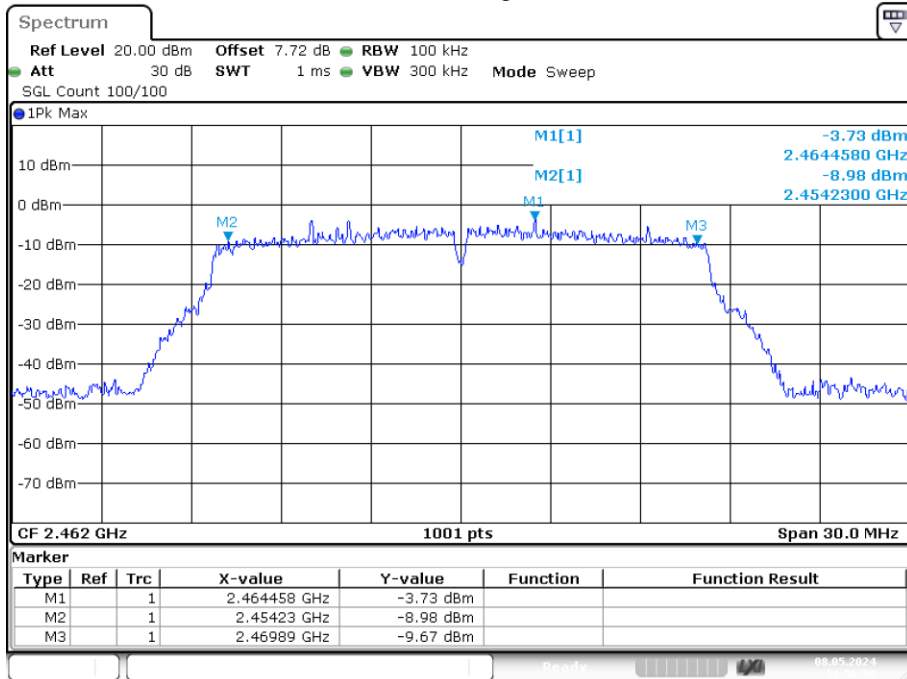
Date: 8.MAY.2024 21:51:26

-6dB Bandwidth NVNT g 2437MHz Ant1



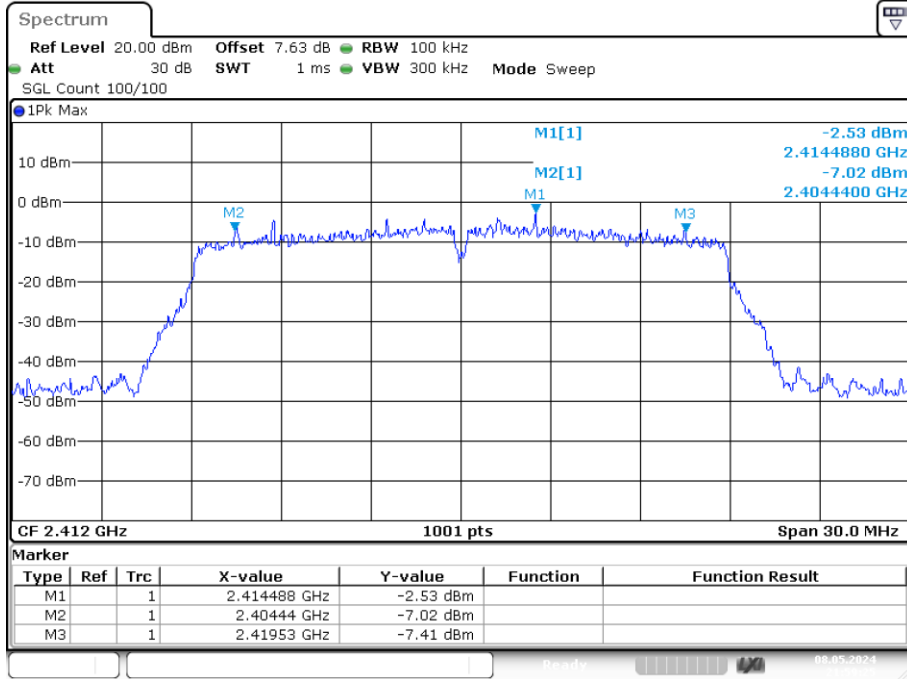
Date: 8.MAY.2024 21:54:52

-6dB Bandwidth NVNT g 2462MHz Ant1



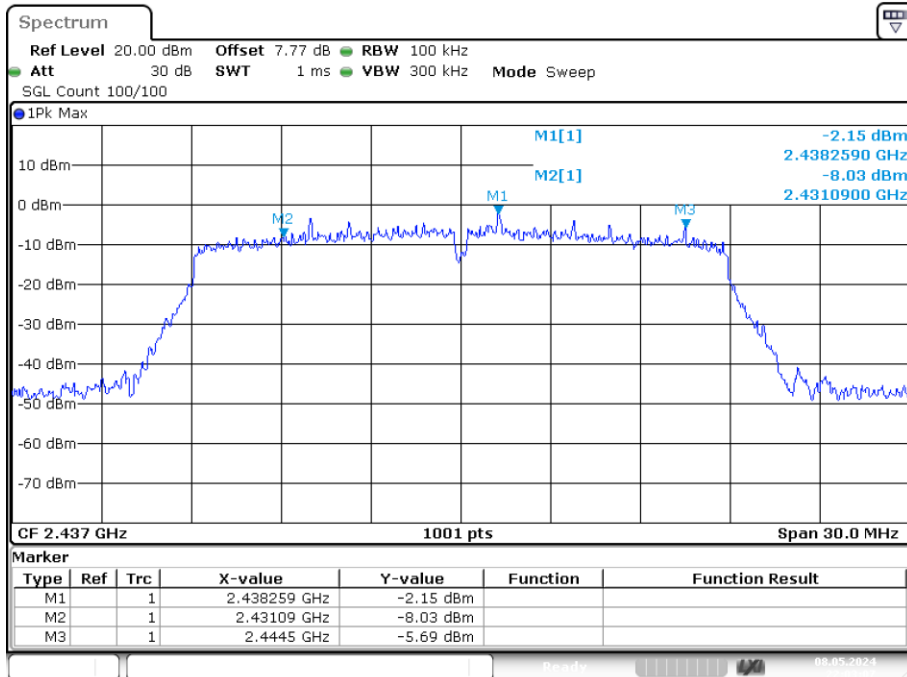
Date: 8.MAY.2024 21:56:59

-6dB Bandwidth NVNT n20 2412MHz Ant1



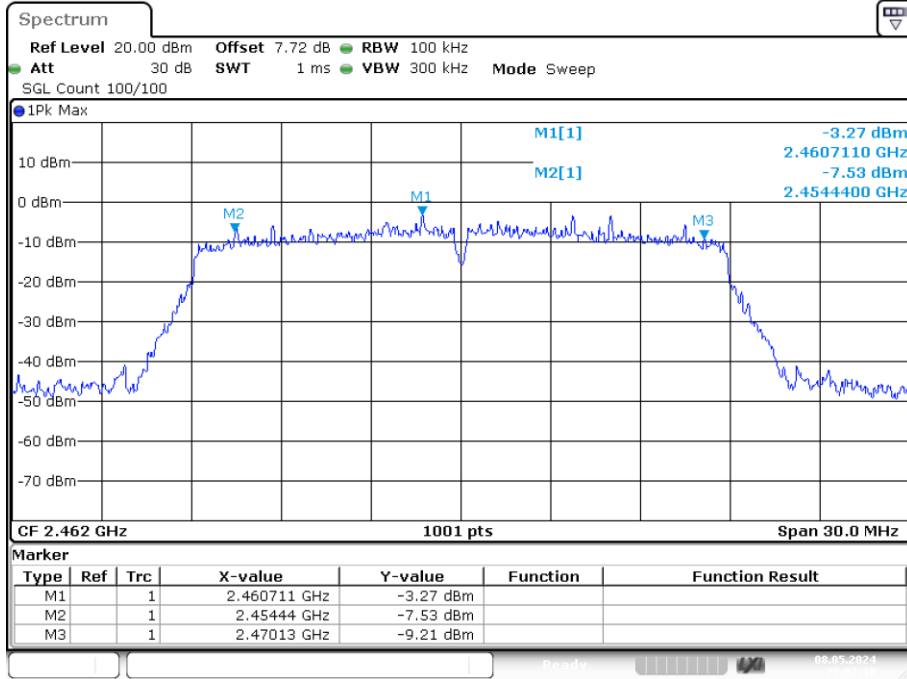
Date: 8.MAY.2024 21:59:25

-6dB Bandwidth NVNT n20 2437MHz Ant1



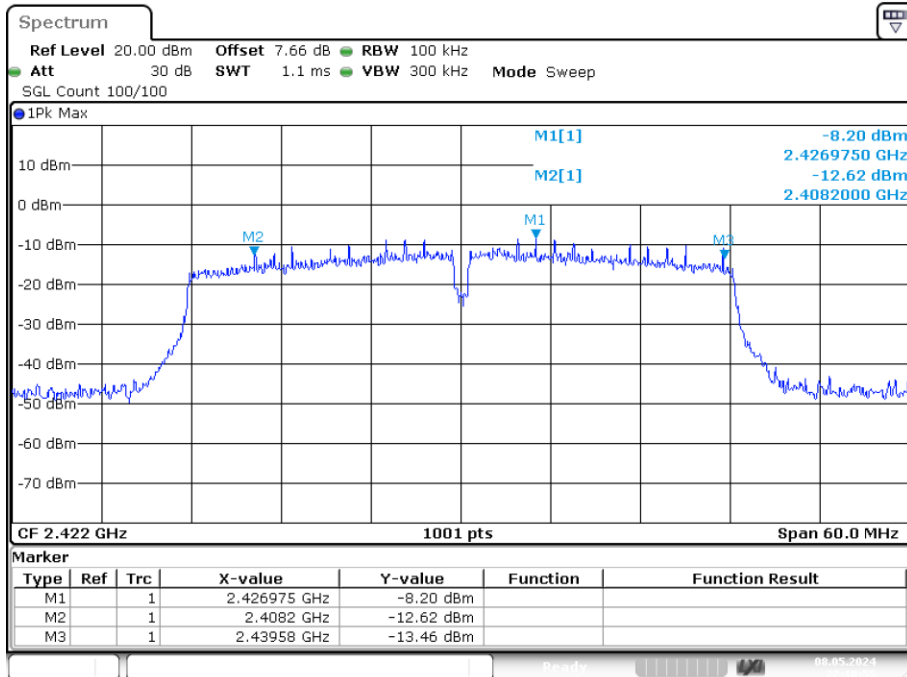
Date: 8.MAY.2024 22:03:06

-6dB Bandwidth NVNT n20 2462MHz Ant1



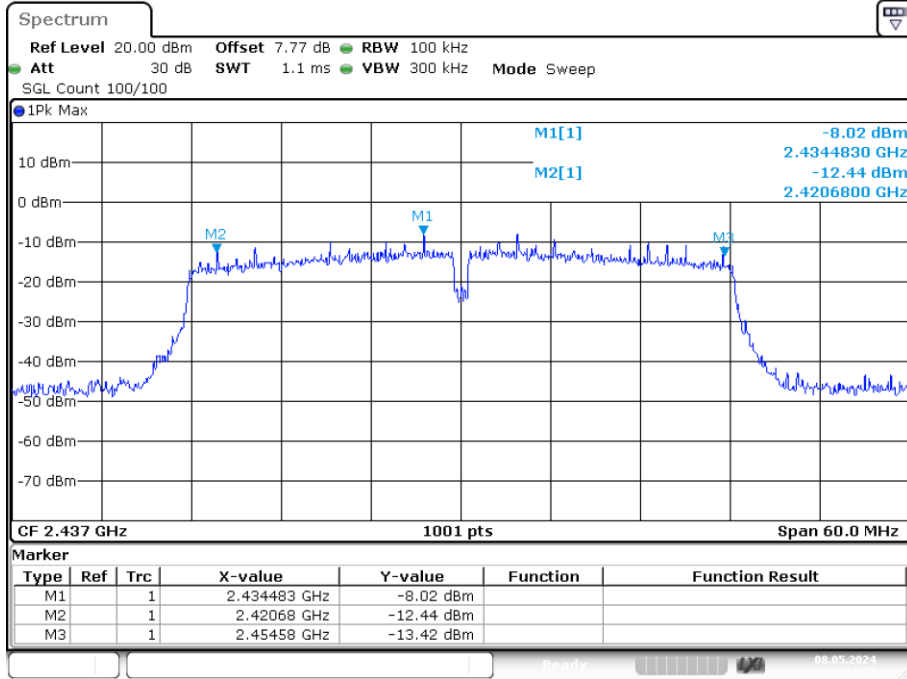
Date: 8.MAY.2024 22:07:10

-6dB Bandwidth NVNT n40 2422MHz Ant1



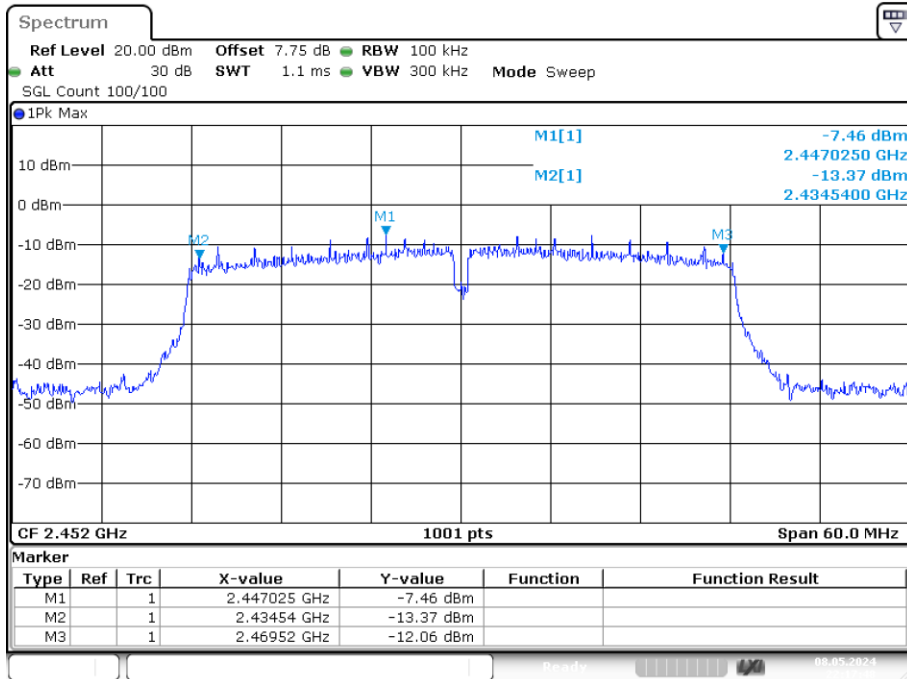
Date: 8.MAY.2024 22:10:55

-6dB Bandwidth NVNT n40 2437MHz Ant1



Date: 8.MAY.2024 22:14:22

-6dB Bandwidth NVNT n40 2452MHz Ant1

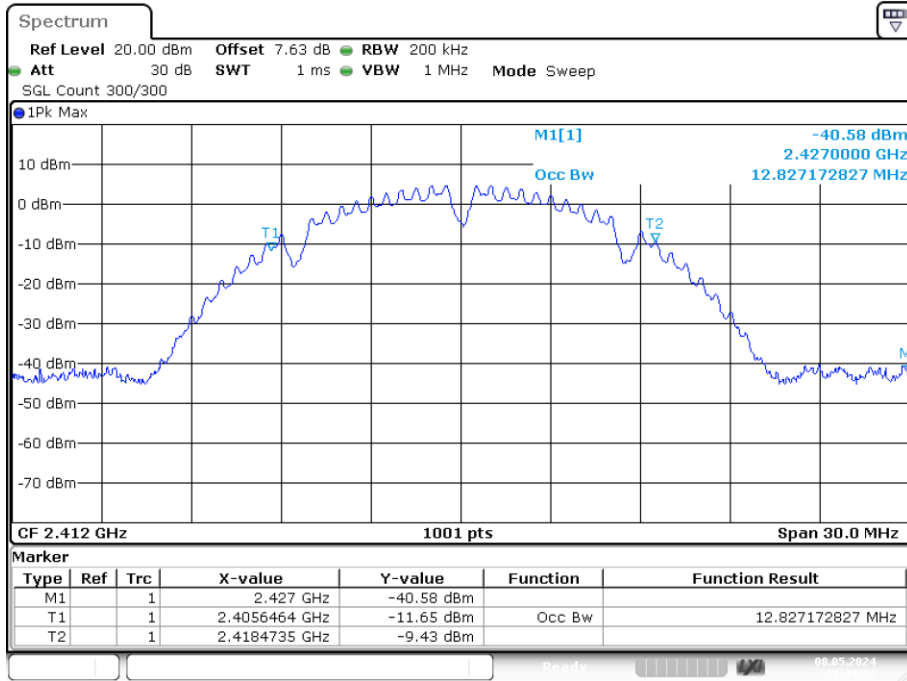


Date: 8.MAY.2024 22:17:48

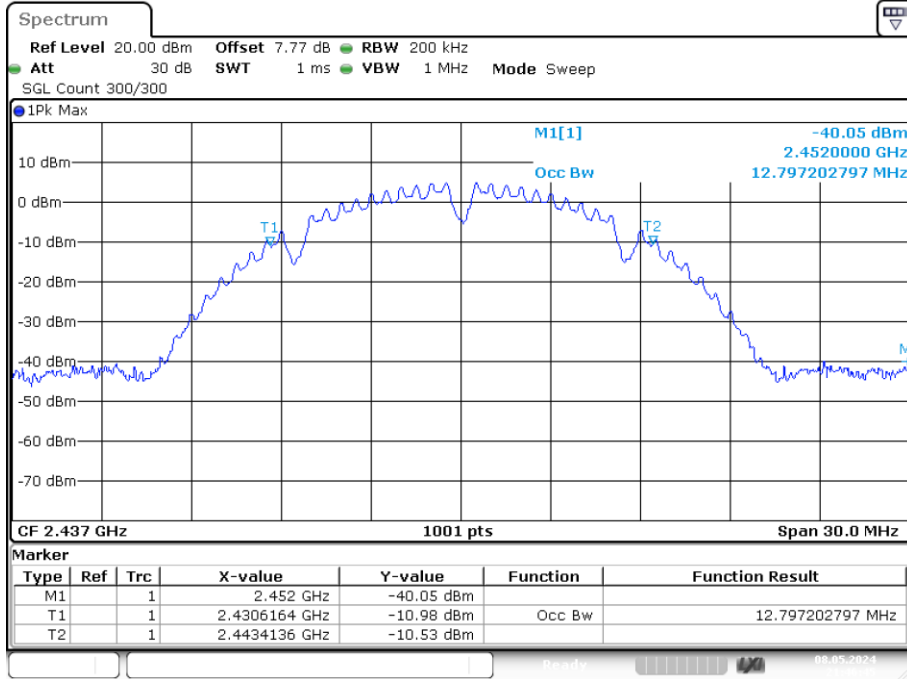
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.827
NVNT	b	2437	Ant1	12.797
NVNT	b	2462	Ant1	12.767
NVNT	g	2412	Ant1	16.454
NVNT	g	2437	Ant1	16.424
NVNT	g	2462	Ant1	16.424
NVNT	n20	2412	Ant1	17.592
NVNT	n20	2437	Ant1	17.532
NVNT	n20	2462	Ant1	17.562
NVNT	n40	2422	Ant1	36.024
NVNT	n40	2437	Ant1	36.144
NVNT	n40	2452	Ant1	36.084

OBW NVNT b 2412MHz Ant1

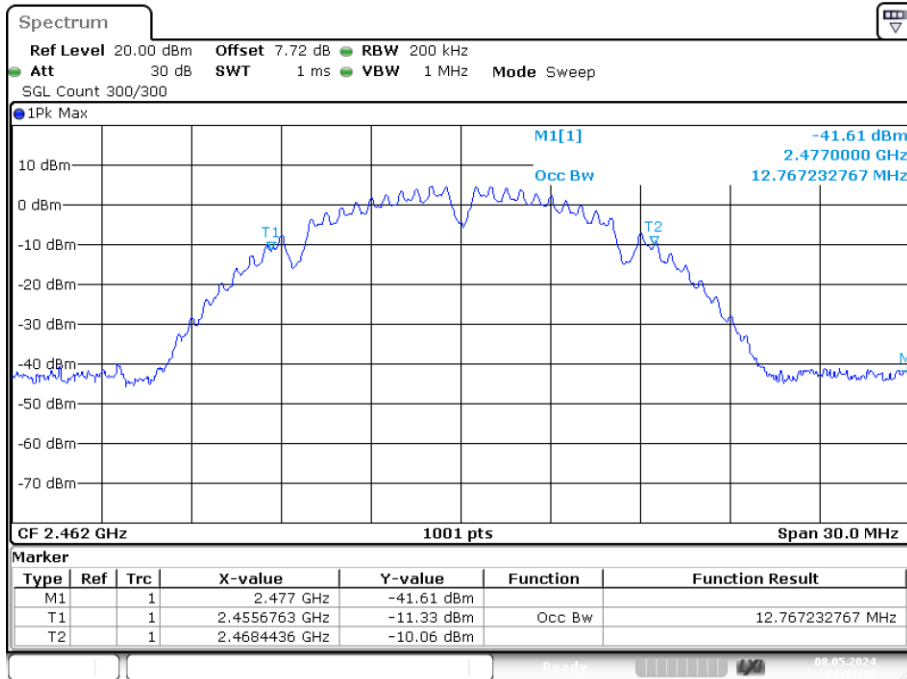


OBW NVNT b 2437MHz Ant1



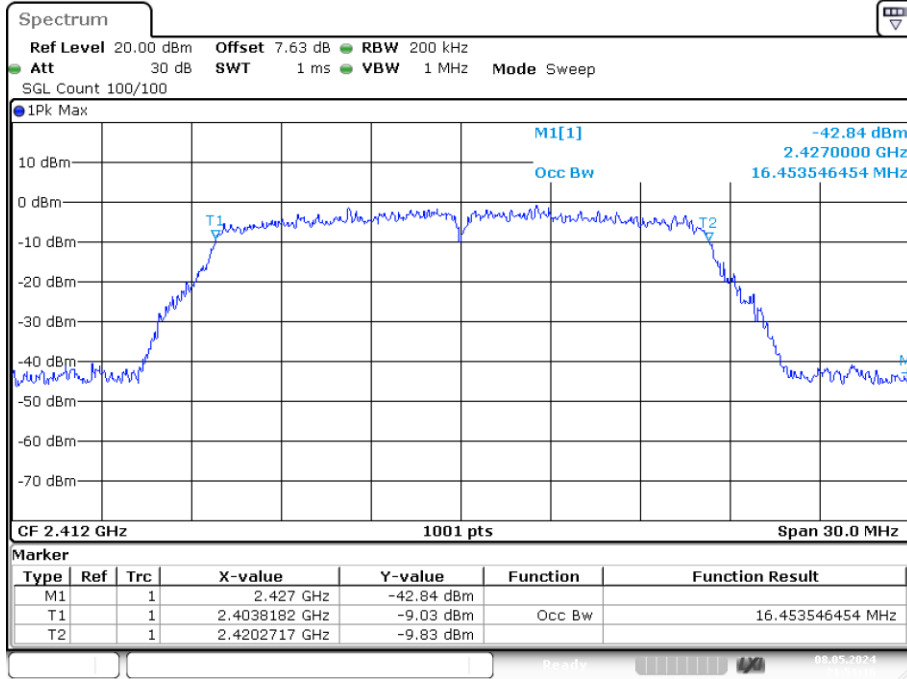
Date: 8.MAY.2024 21:46:45

OBW NVNT b 2462MHz Ant1



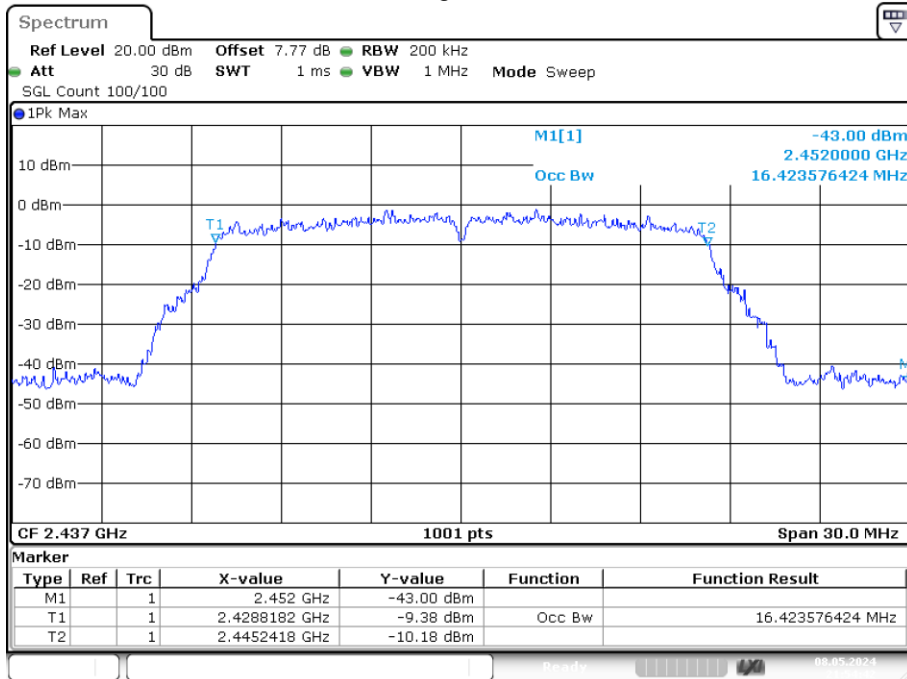
Date: 8.MAY.2024 21:48:33

OBW NVNT g 2412MHz Ant1



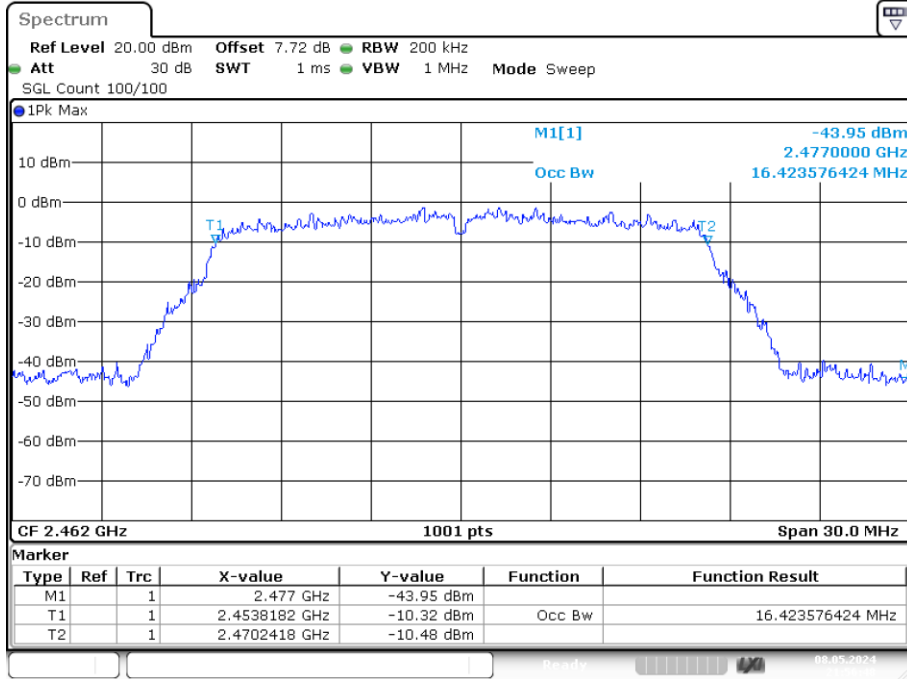
Date: 8.MAY.2024 21:51:15

OBW NVNT g 2437MHz Ant1



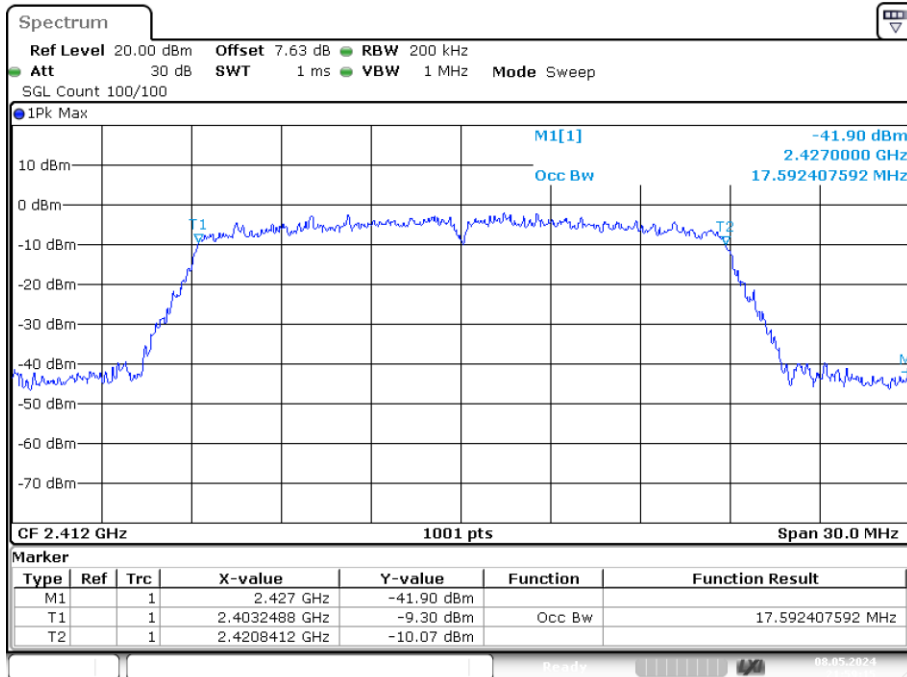
Date: 8.MAY.2024 21:54:42

OBW NVNT g 2462MHz Ant1



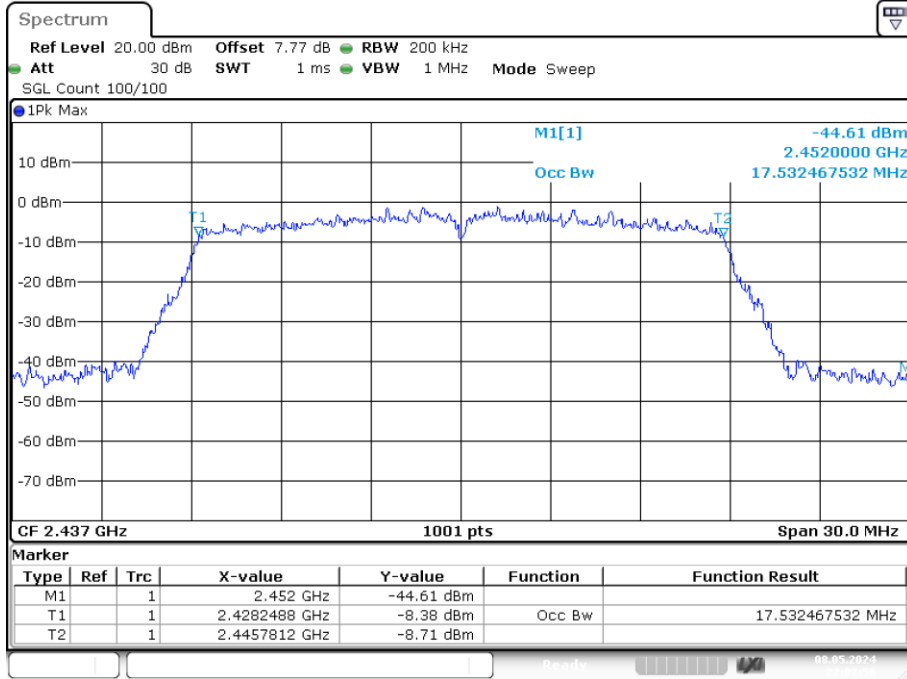
Date: 8.MAY.2024 21:56:47

OBW NVNT n20 2412MHz Ant1



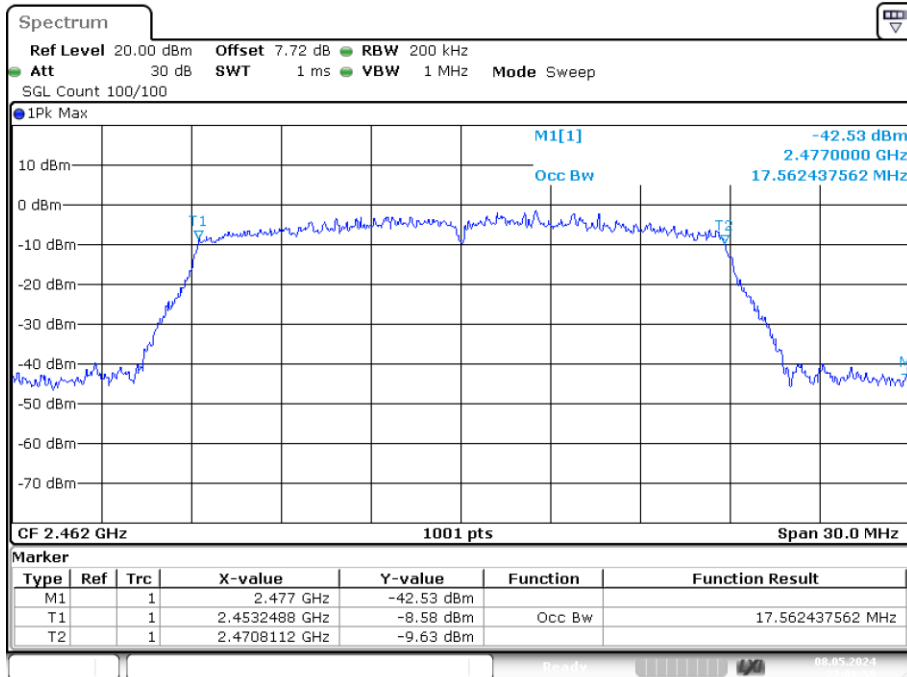
Date: 8.MAY.2024 21:59:15

OBW NVNT n20 2437MHz Ant1



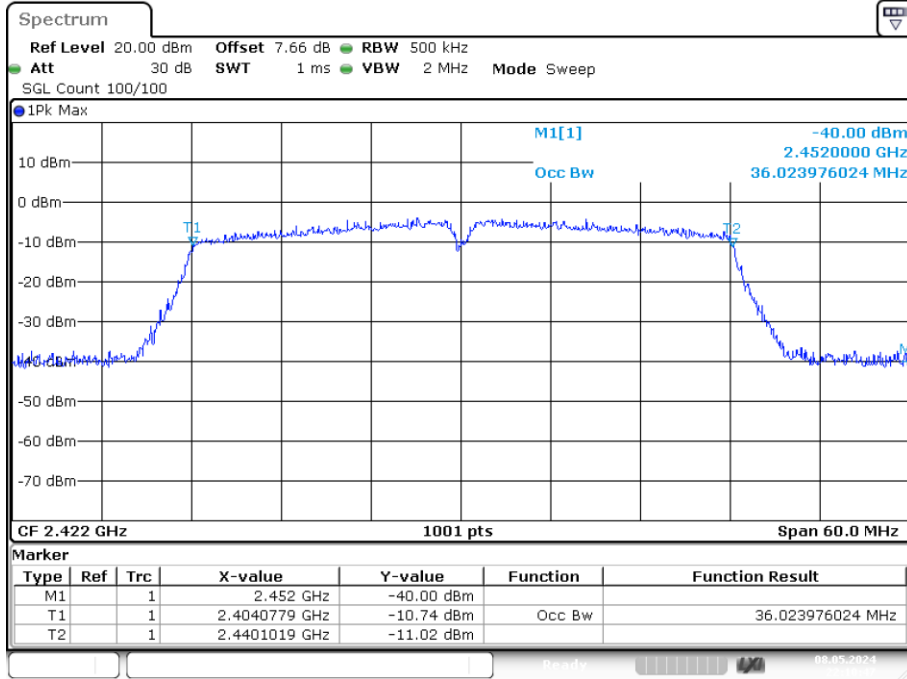
Date: 8.MAY.2024 22:02:56

OBW NVNT n20 2462MHz Ant1



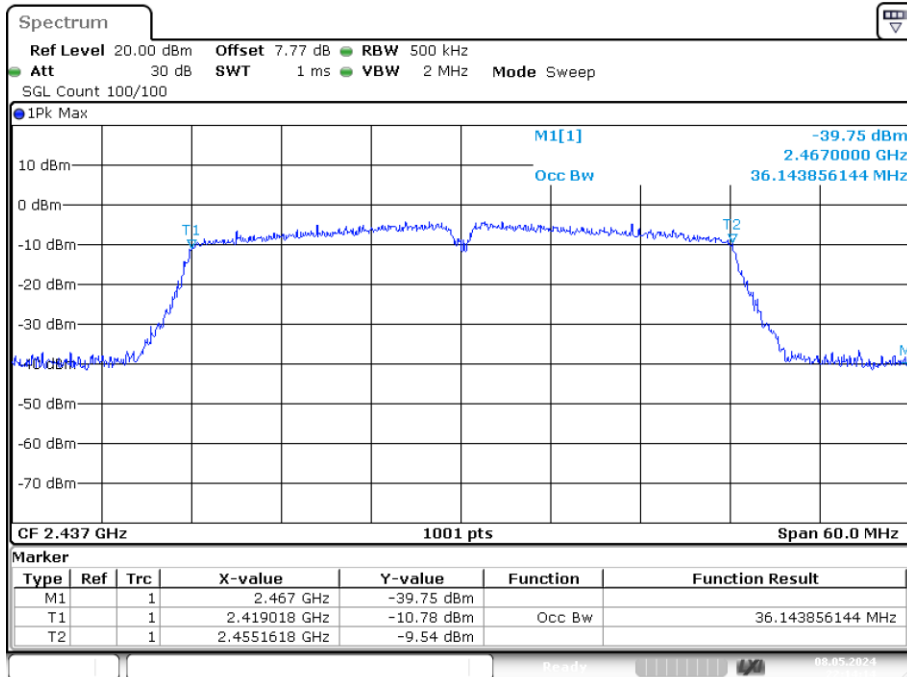
Date: 8.MAY.2024 22:06:58

OBW NVNT n40 2422MHz Ant1



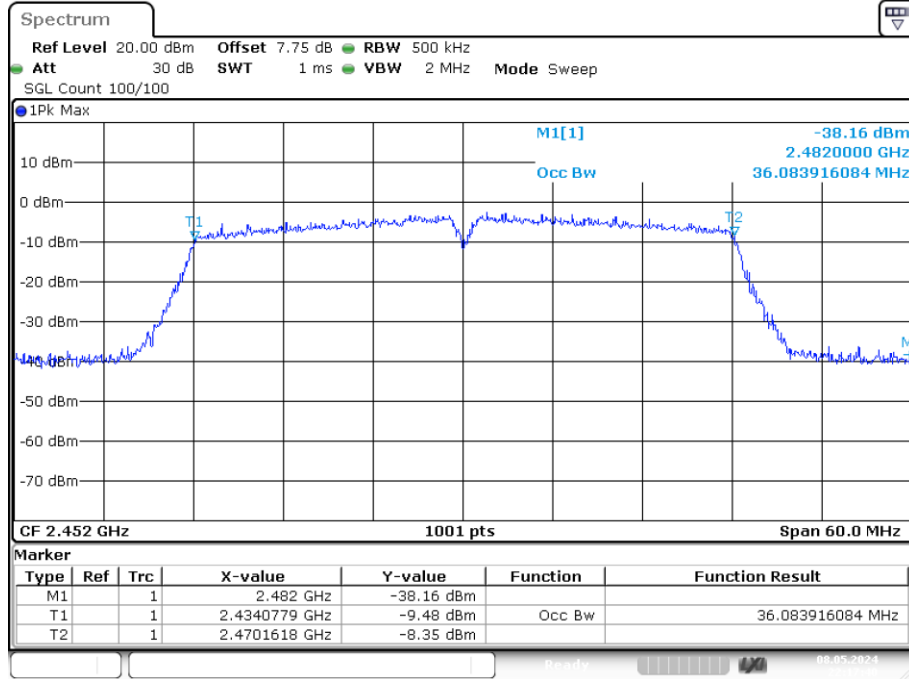
Date: 8.MAY.2024 22:10:47

OBW NVNT n40 2437MHz Ant1



Date: 8.MAY.2024 22:14:14

OBW NVNT n40 2452MHz Ant1

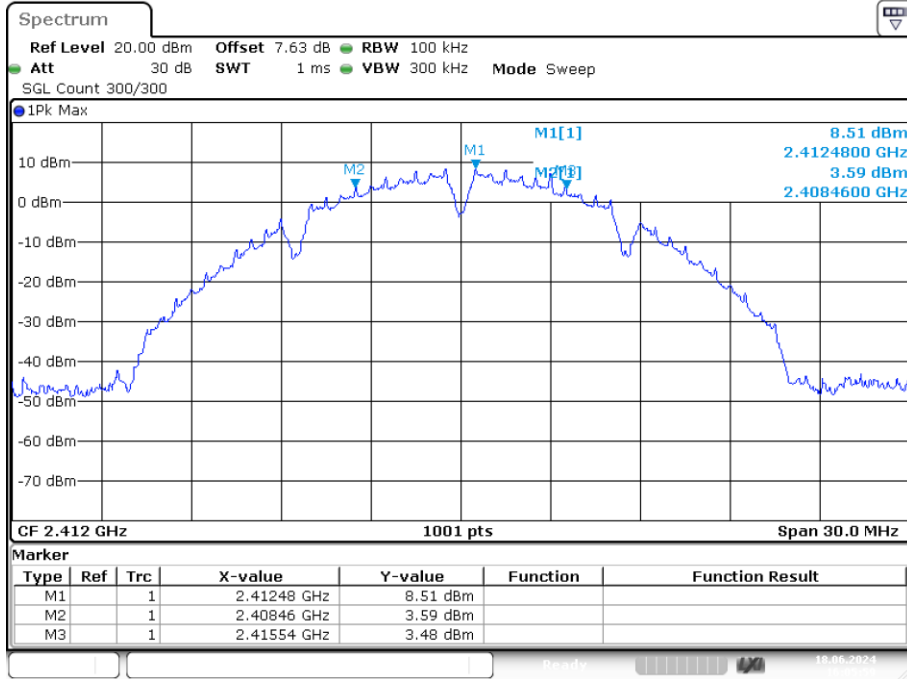


Date: 8.MAY.2024 22:17:40

-6dB Bandwidth

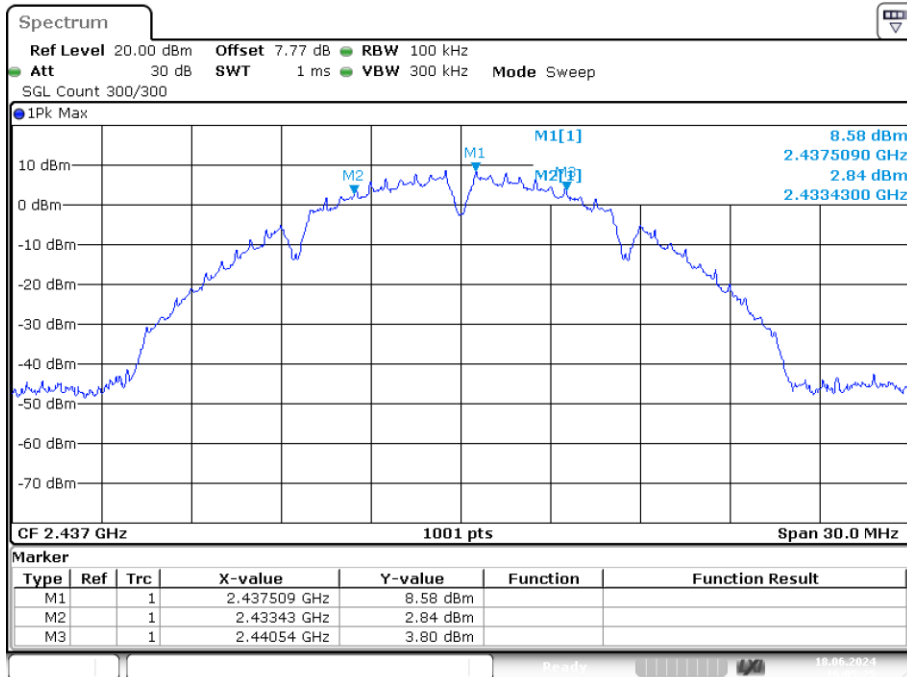
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant2	7.08	0.5	Pass
NVNT	b	2437	Ant2	7.11	0.5	Pass
NVNT	b	2462	Ant2	7.32	0.5	Pass
NVNT	g	2412	Ant2	16.08	0.5	Pass
NVNT	g	2437	Ant2	16.29	0.5	Pass
NVNT	g	2462	Ant2	16.32	0.5	Pass
NVNT	n20	2412	Ant2	16.86	0.5	Pass
NVNT	n20	2437	Ant2	17.61	0.5	Pass
NVNT	n20	2462	Ant2	17.64	0.5	Pass
NVNT	n40	2422	Ant2	35.88	0.5	Pass
NVNT	n40	2437	Ant2	35.52	0.5	Pass
NVNT	n40	2452	Ant2	36.36	0.5	Pass

-6dB Bandwidth NVNT b 2412MHz Ant2



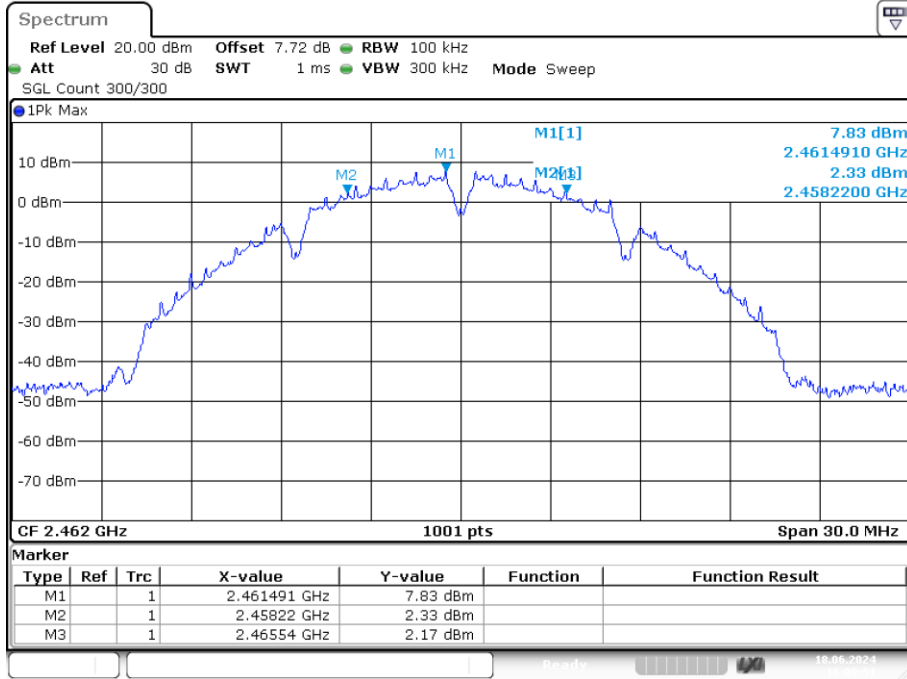
Date: 18.JUN.2024 16:05:58

-6dB Bandwidth NVNT b 2437MHz Ant2



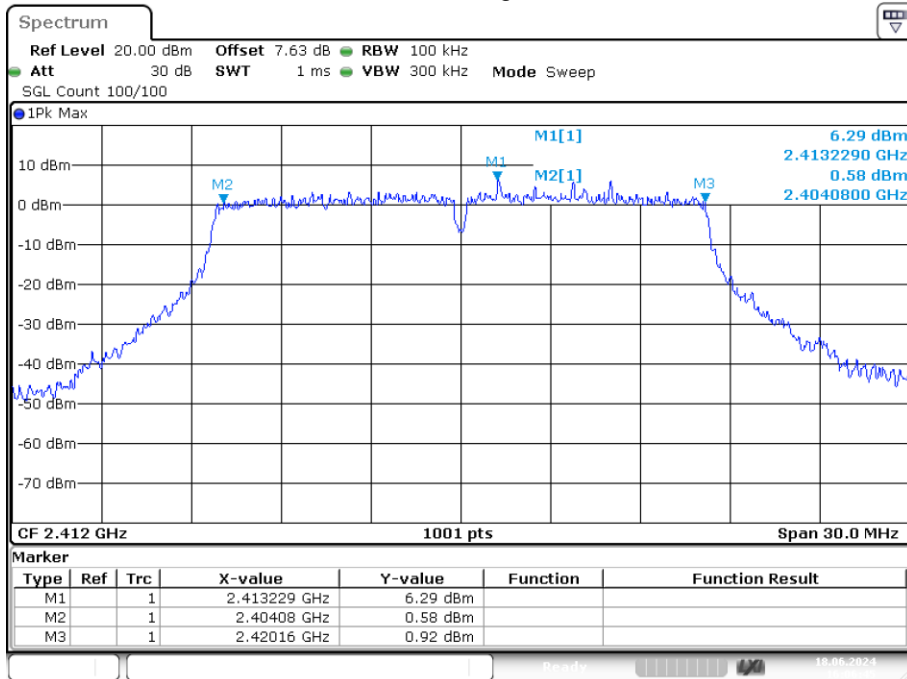
Date: 18.JUN.2024 16:05:25

-6dB Bandwidth NVNT b 2462MHz Ant2



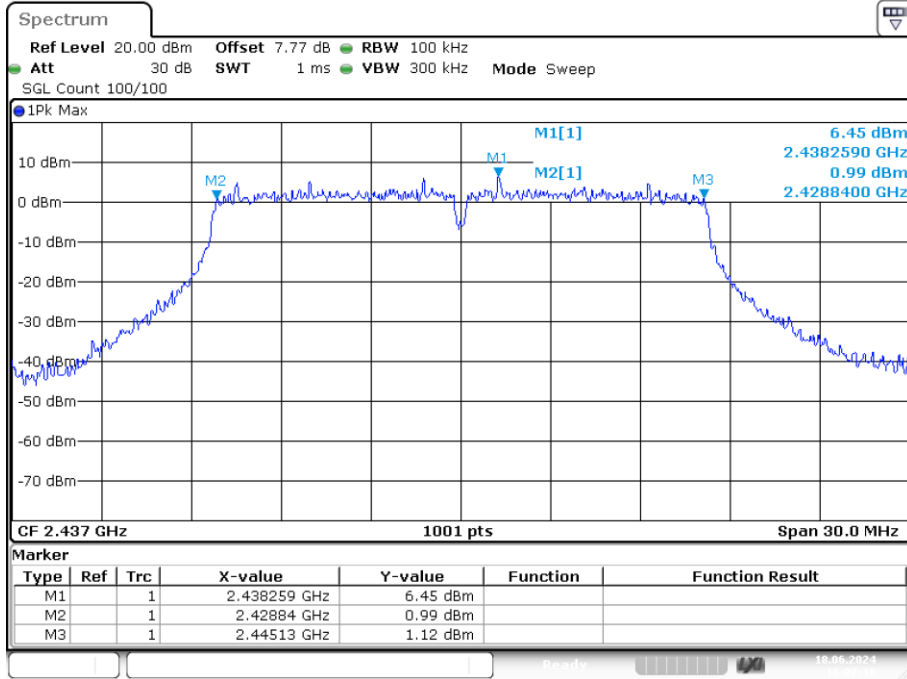
Date: 18.JUN.2024 16:00:51

-6dB Bandwidth NVNT g 2412MHz Ant2



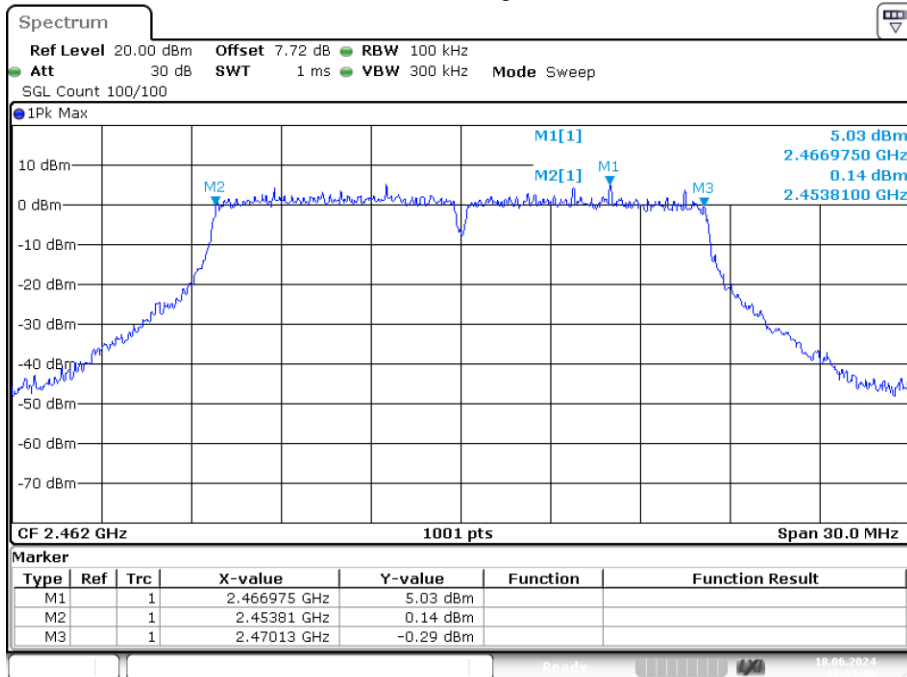
Date: 18.JUN.2024 16:06:44

-6dB Bandwidth NVNT g 2437MHz Ant2



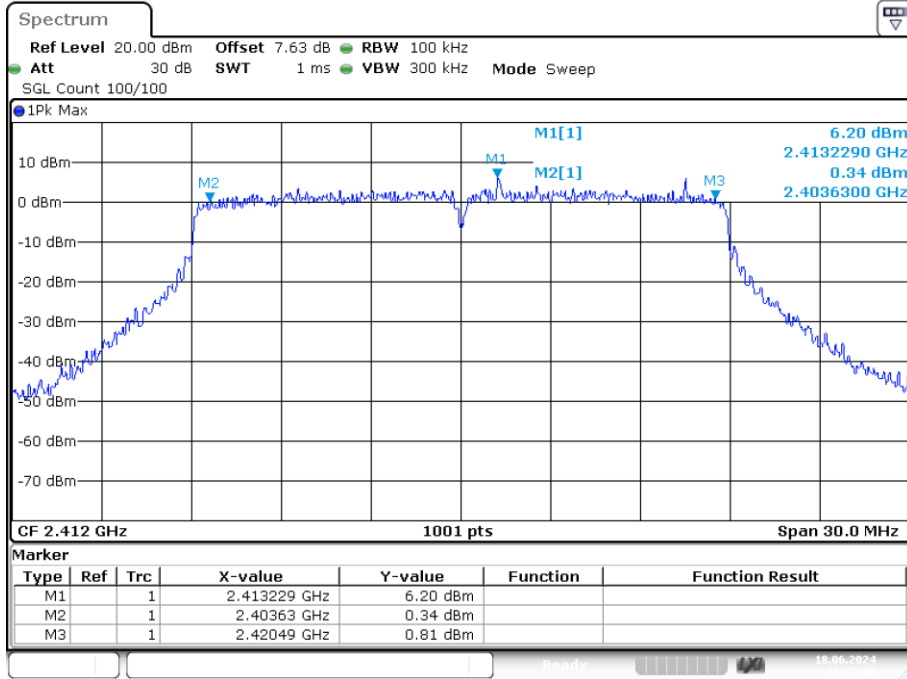
Date: 18.JUN.2024 16:07:19

-6dB Bandwidth NVNT g 2462MHz Ant2



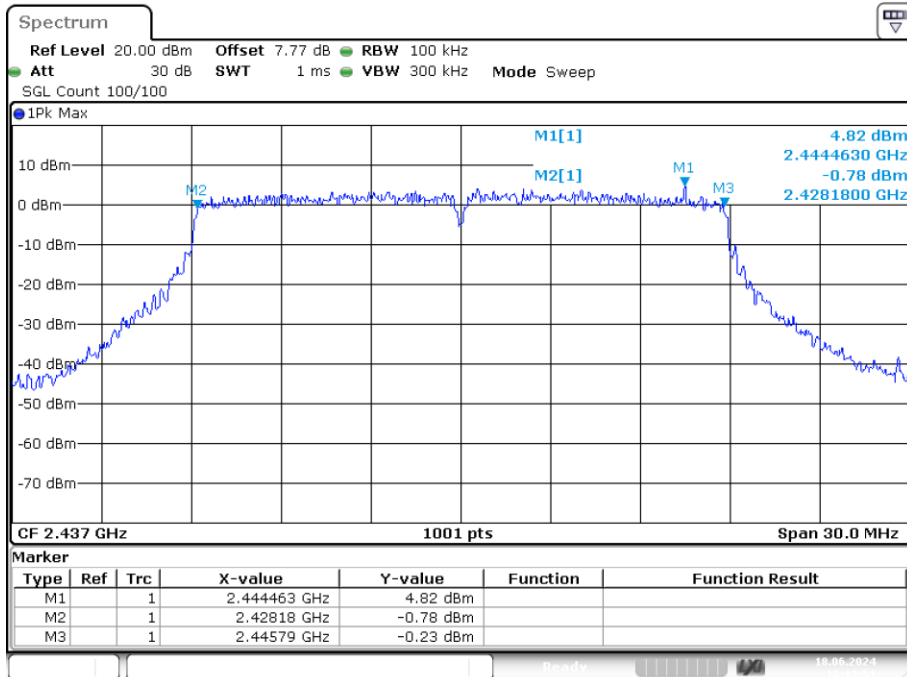
Date: 18.JUN.2024 16:07:47

-6dB Bandwidth NVNT n20 2412MHz Ant2



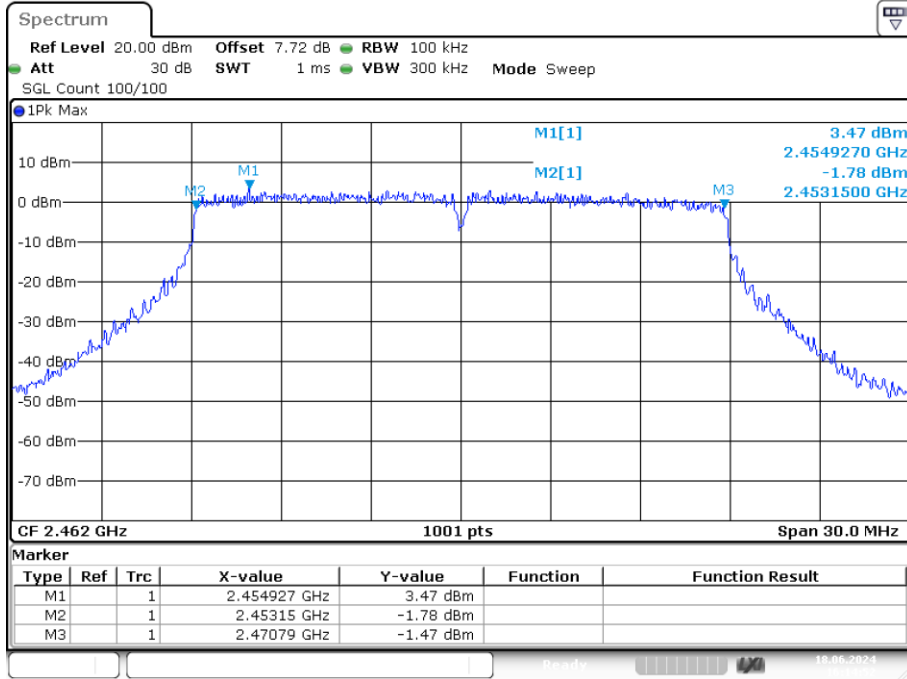
Date: 18.JUN.2024 16:12:46

-6dB Bandwidth NVNT n20 2437MHz Ant2



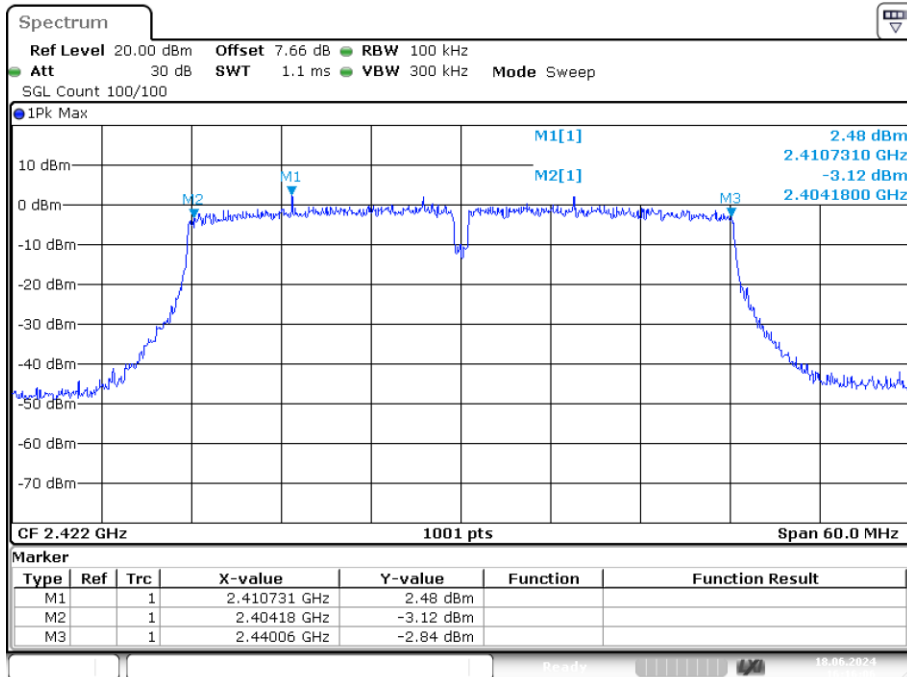
Date: 18.JUN.2024 16:13:51

-6dB Bandwidth NVNT n20 2462MHz Ant2



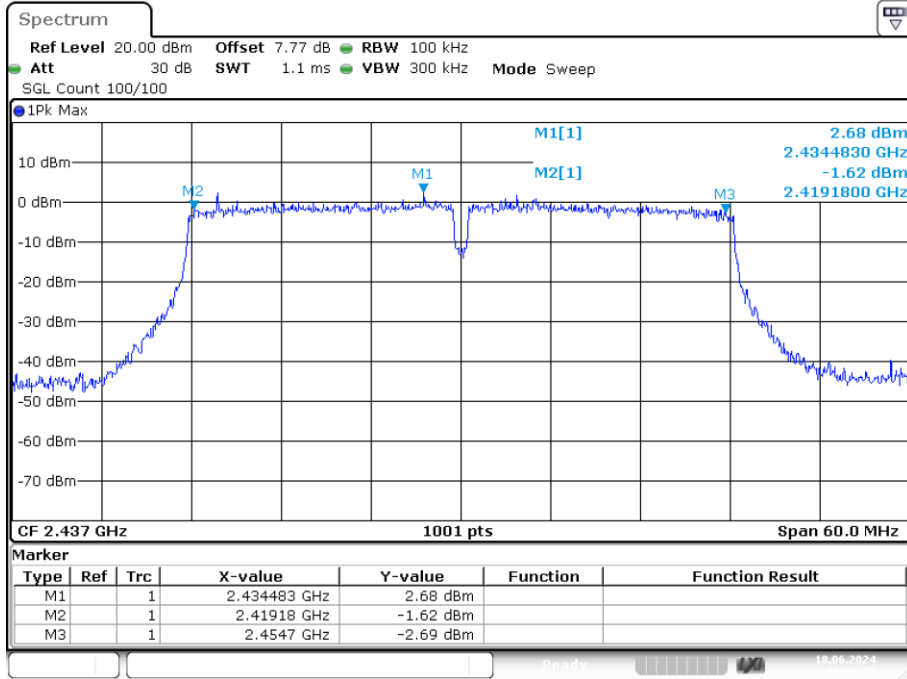
Date: 18.JUN.2024 16:14:52

-6dB Bandwidth NVNT n40 2422MHz Ant2



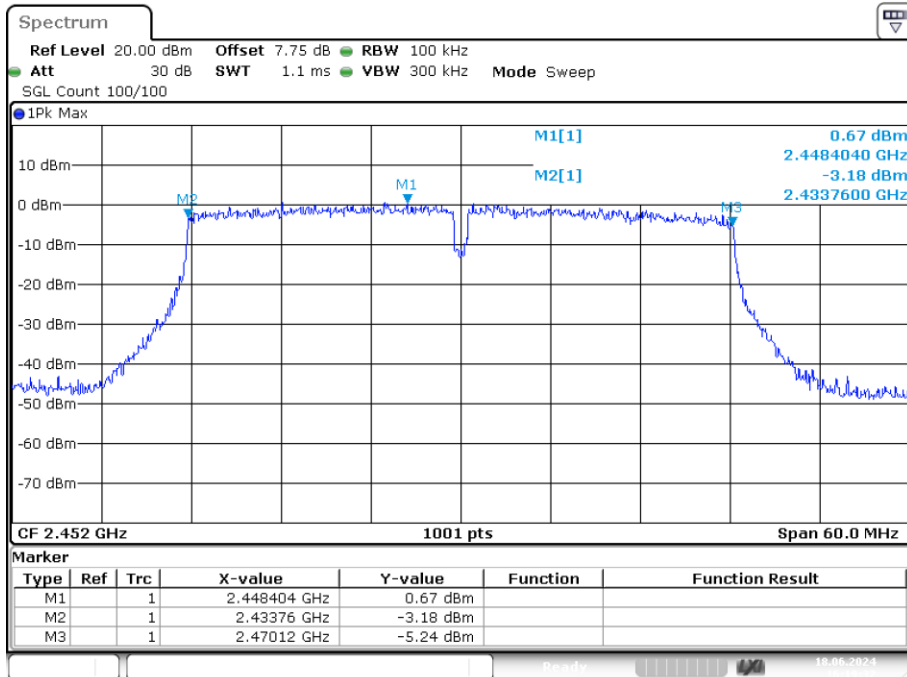
Date: 18.JUN.2024 16:16:06

-6dB Bandwidth NVNT n40 2437MHz Ant2



Date: 18.JUN.2024 16:18:33

-6dB Bandwidth NVNT n40 2452MHz Ant2

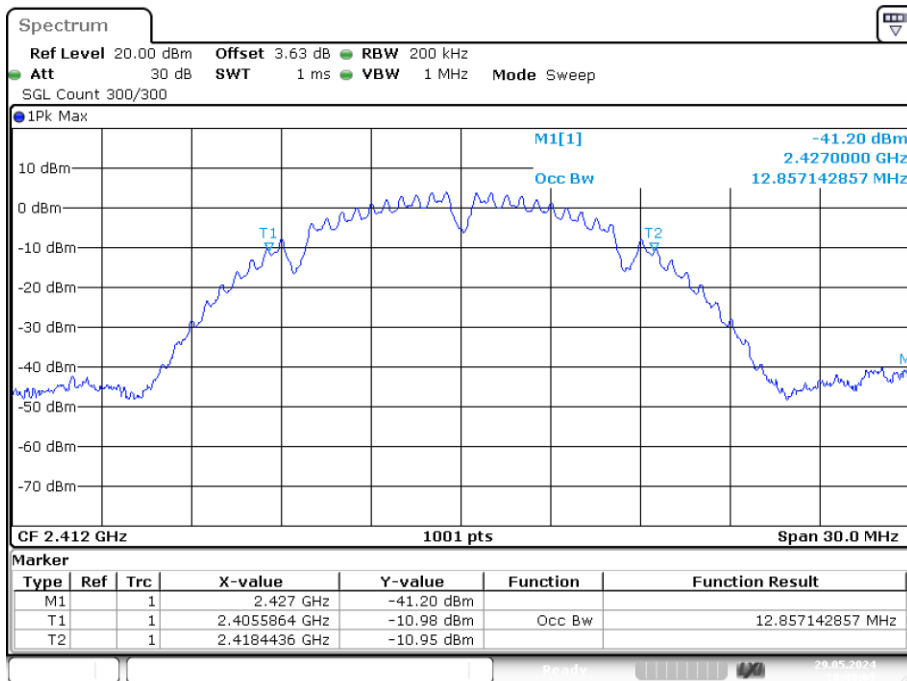


Date: 18.JUN.2024 16:19:32

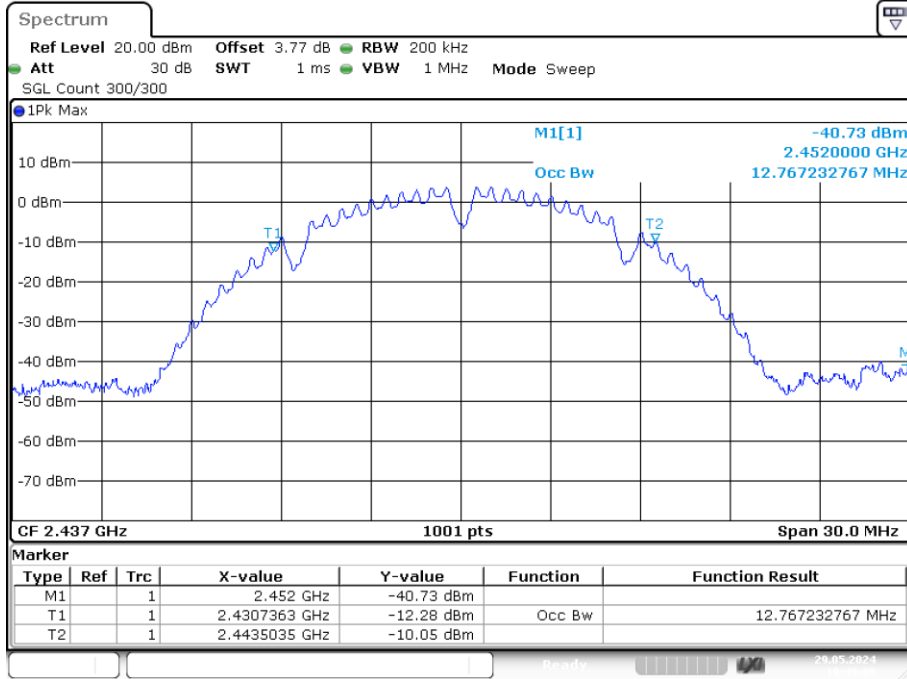
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant2	12.857
NVNT	b	2437	Ant2	12.767
NVNT	b	2462	Ant2	12.707
NVNT	g	2412	Ant2	16.513
NVNT	g	2437	Ant2	16.454
NVNT	g	2462	Ant2	16.454
NVNT	n20	2412	Ant2	17.592
NVNT	n20	2437	Ant2	17.562
NVNT	n20	2462	Ant2	17.622
NVNT	n40	2422	Ant2	36.204
NVNT	n40	2437	Ant2	36.204
NVNT	n40	2452	Ant2	36.024

OBW NVNT b 2412MHz Ant2

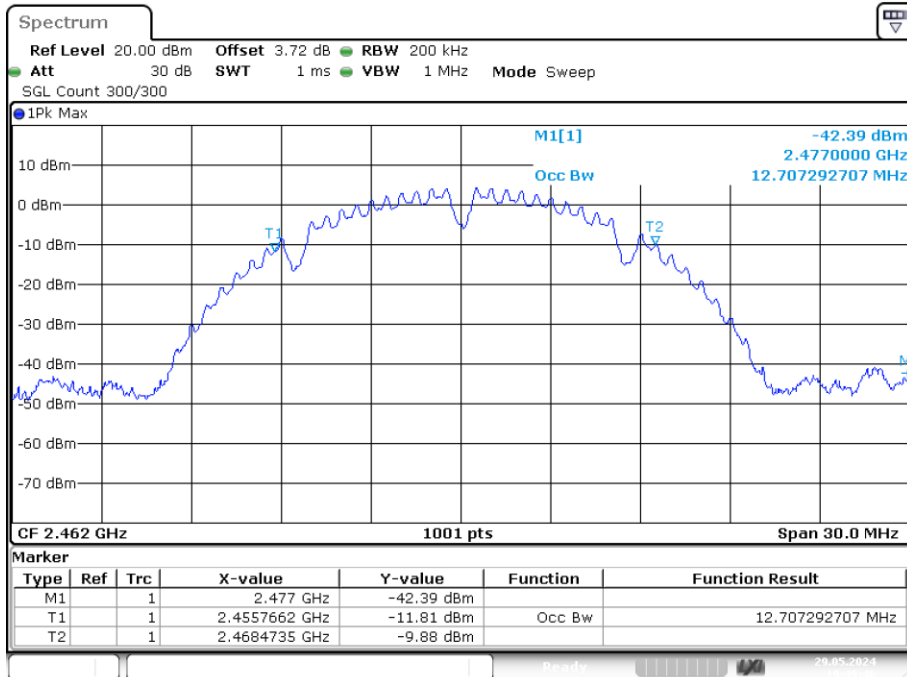


OBW NVNT b 2437MHz Ant2



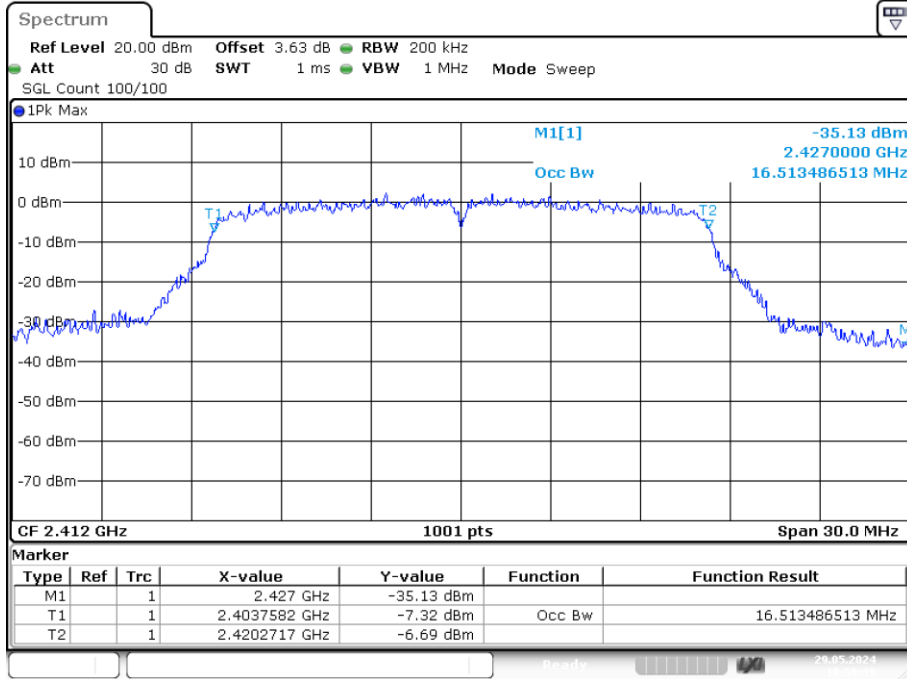
Date: 29.MAY.2024 19:49:09

OBW NVNT b 2462MHz Ant2



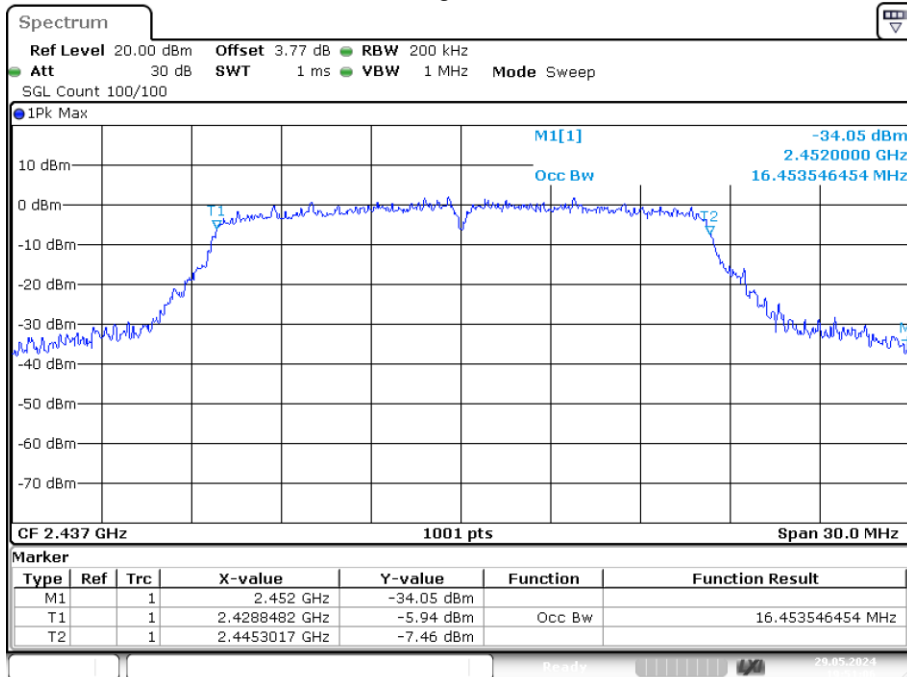
Date: 29.MAY.2024 19:49:47

OBW NVNT g 2412MHz Ant2



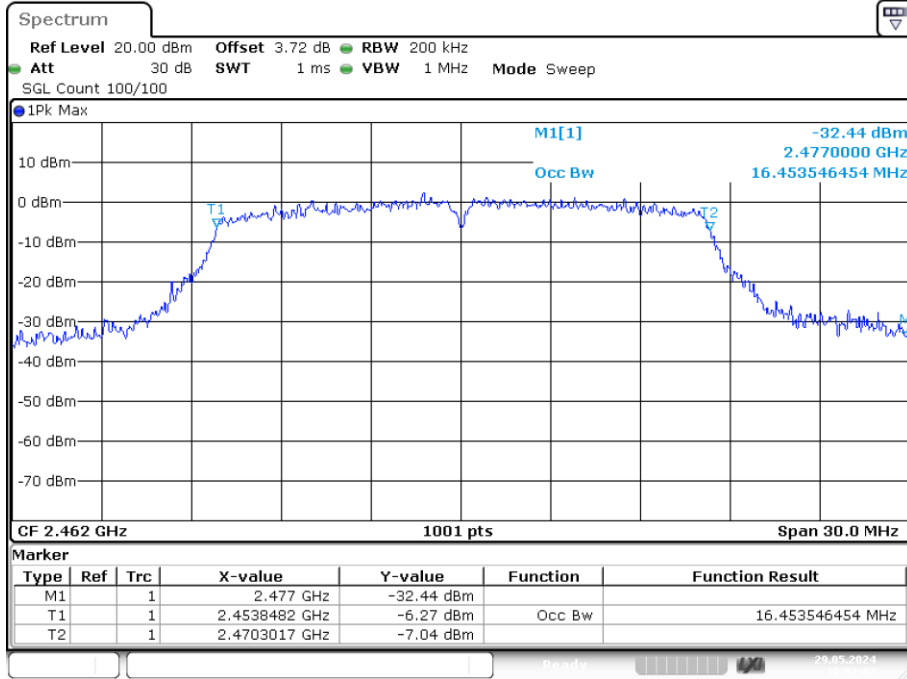
Date: 29.MAY.2024 19:50:39

OBW NVNT g 2437MHz Ant2



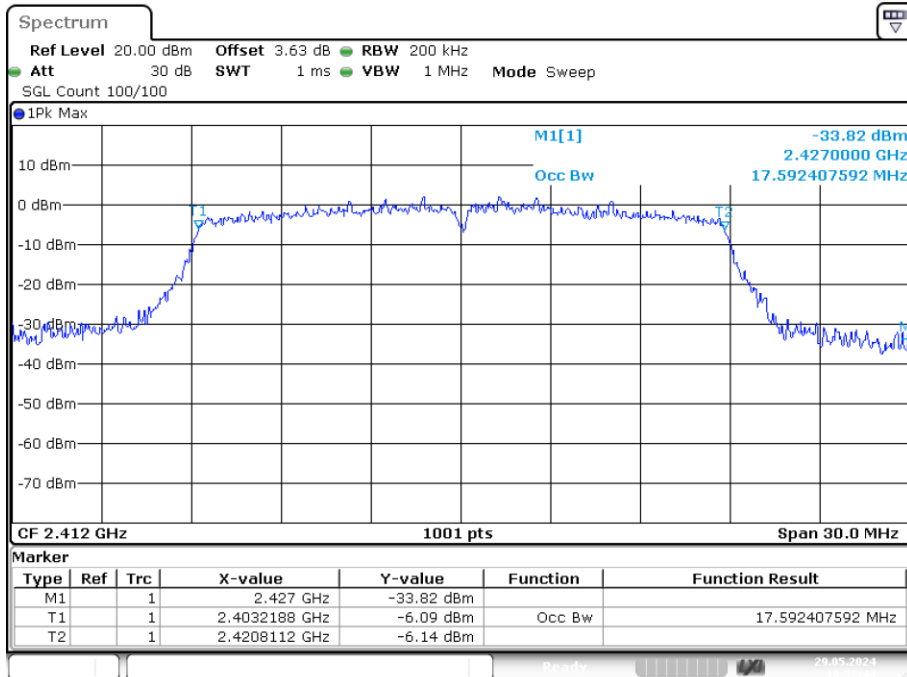
Date: 29.MAY.2024 19:51:06

OBW NVNT g 2462MHz Ant2



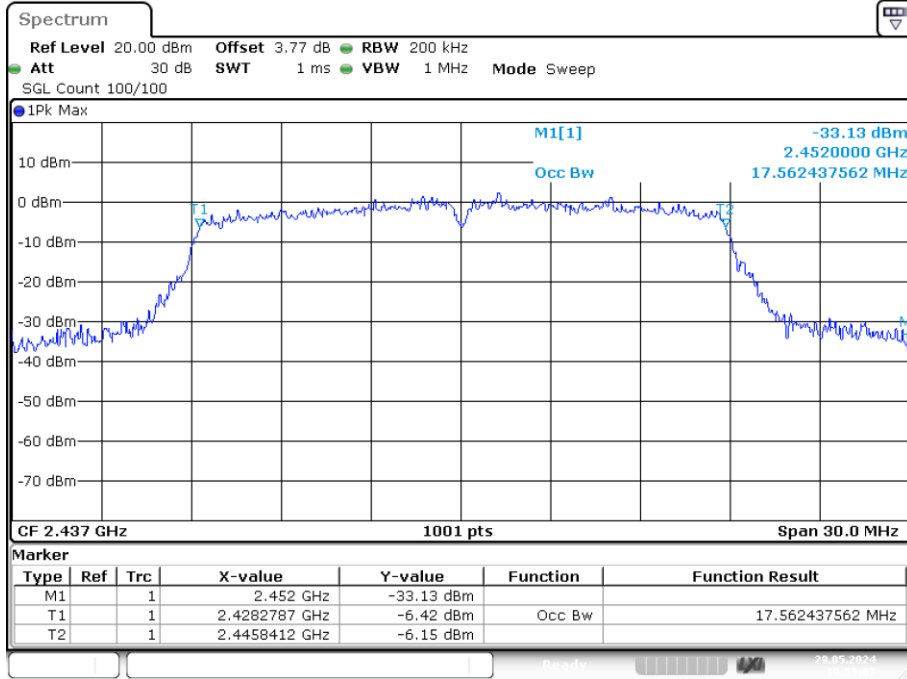
Date: 29.MAY.2024 19:52:07

OBW NVNT n20 2412MHz Ant2



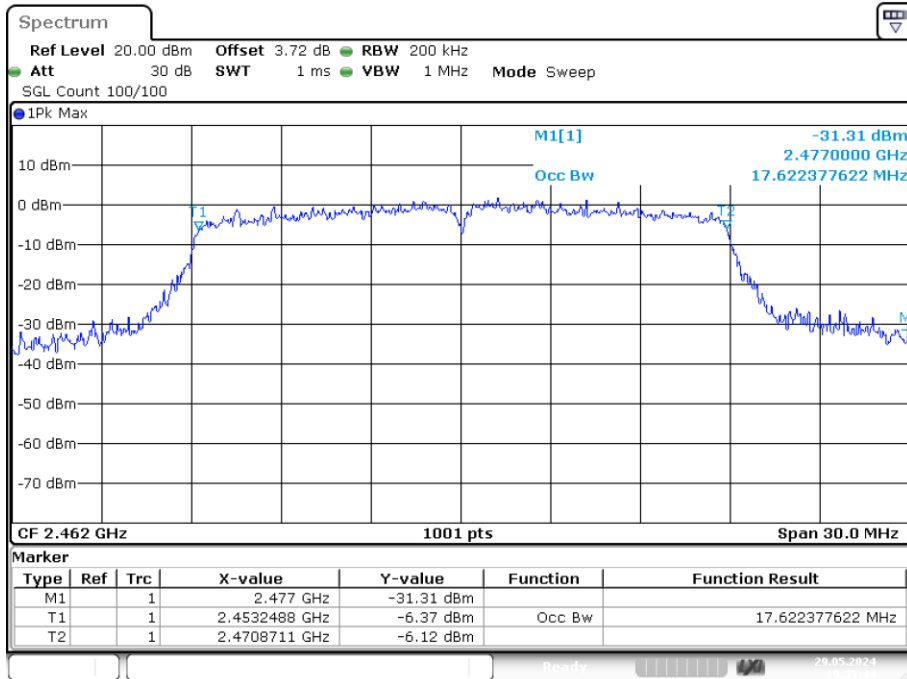
Date: 29.MAY.2024 19:52:44

OBW NVNT n20 2437MHz Ant2



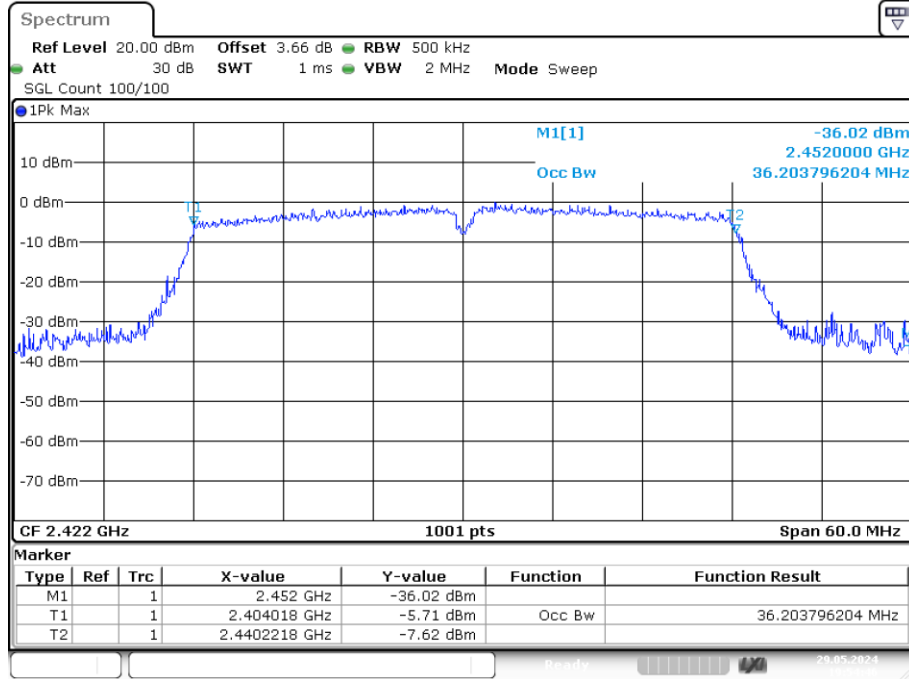
Date: 29.MAY.2024 19:53:07

OBW NVNT n20 2462MHz Ant2



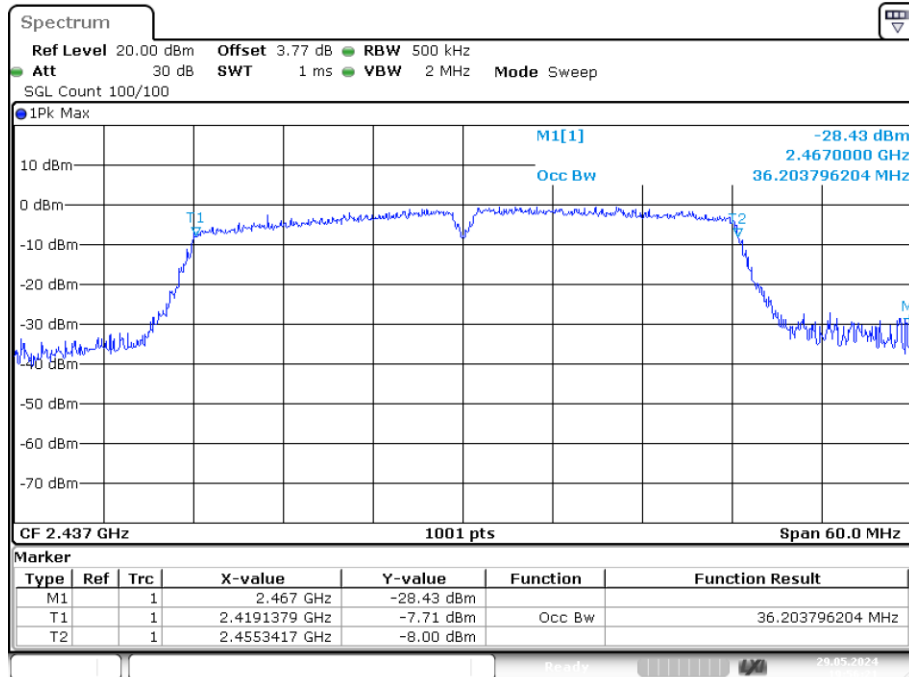
Date: 29.MAY.2024 19:53:44

OBW NVNT n40 2422MHz Ant2



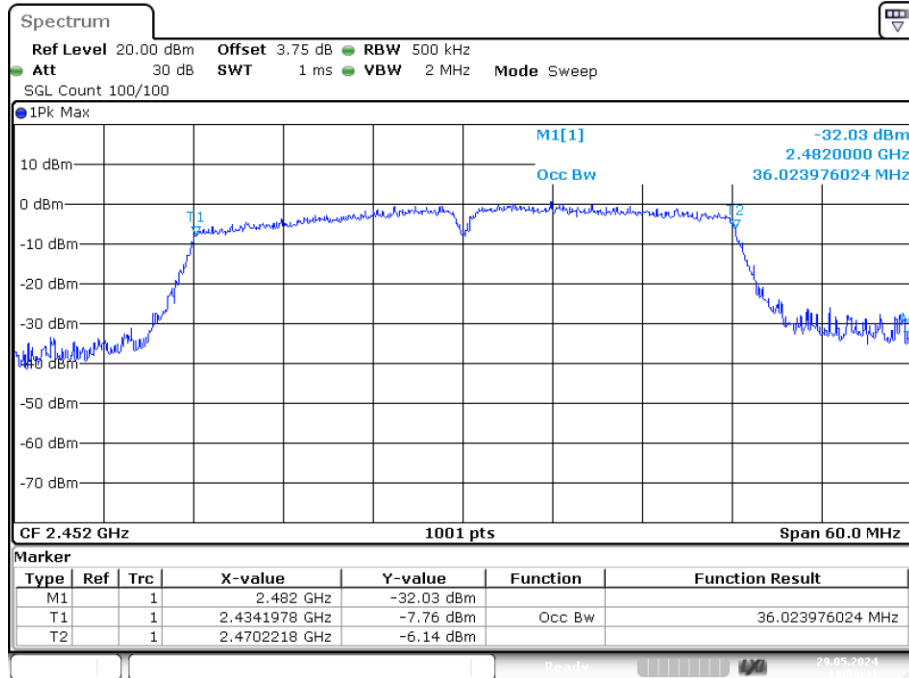
Date: 29.MAY.2024 19:54:46

OBW NVNT n40 2437MHz Ant2



Date: 29.MAY.2024 19:56:21

OBW NVNT n40 2452MHz Ant2



Date: 29.MAY.2024 19:56:40

8. BAND EDGE CHECK

8.1. Test limits

Please refer FCC PART 15: 15.247

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

8.2. Test Procedure

Details see the KDB558074 D01 Meas Guidance v05r02

8.2.1 Put the EUT on a 1.5m high table, power on the EUT. Emissions were scanned and measured rotating the EUT to 360 degrees, Find the maximum Emission

8.2.2 Check the spurious emissions out of band.

8.2.3 RBW 1MHz, VBW 3MHz, peak detector for peak value, RBW 1MHz, VBW 10Hz, RMS detector for AV value.

8.3. Test Setup

Same as 5.2.2.

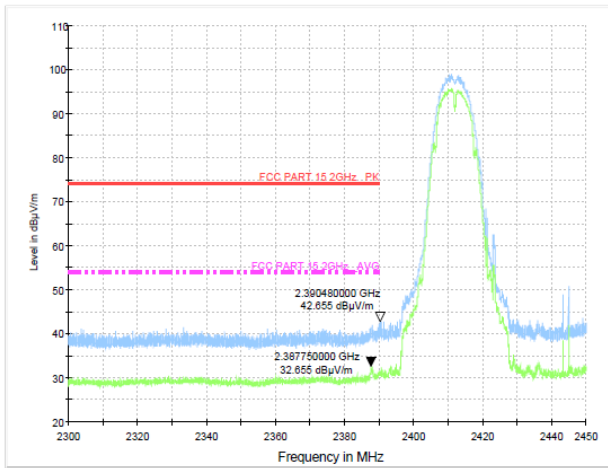
8.4. Test Results

PASS.

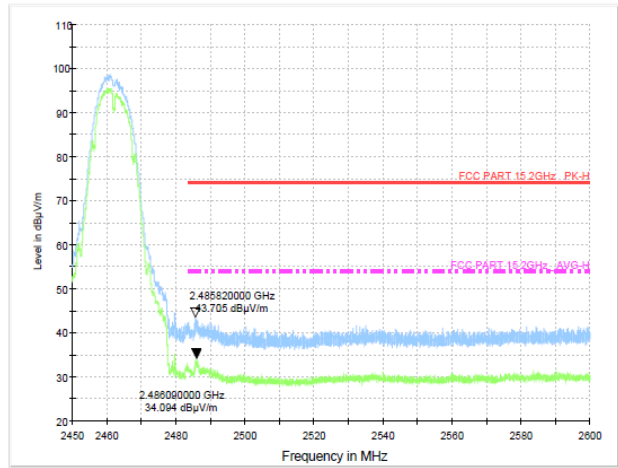
Detailed information please see the following page.

Radiation testing

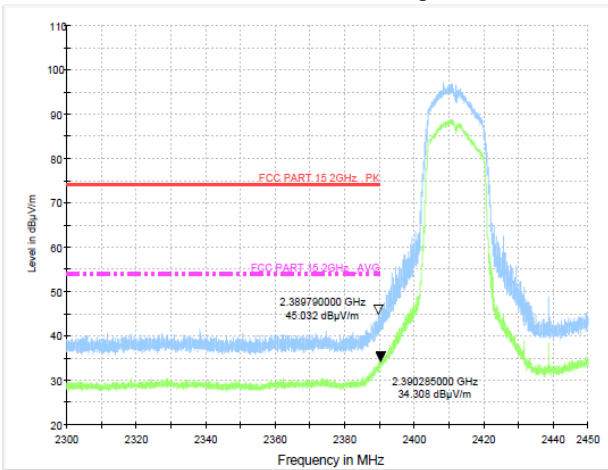
Test Mode: IEEE 802.11b-Low



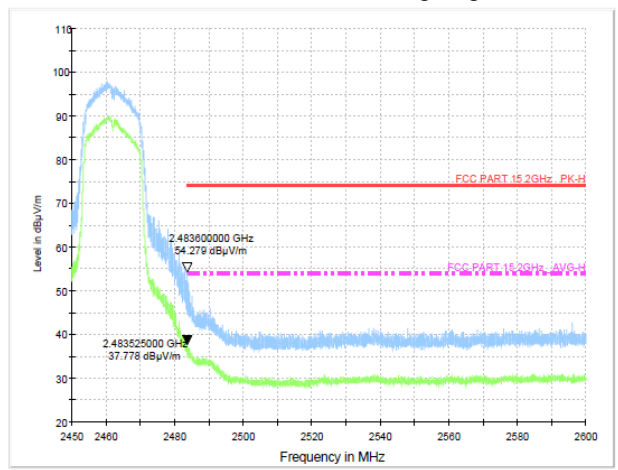
Test Mode: IEEE 802.11b-High



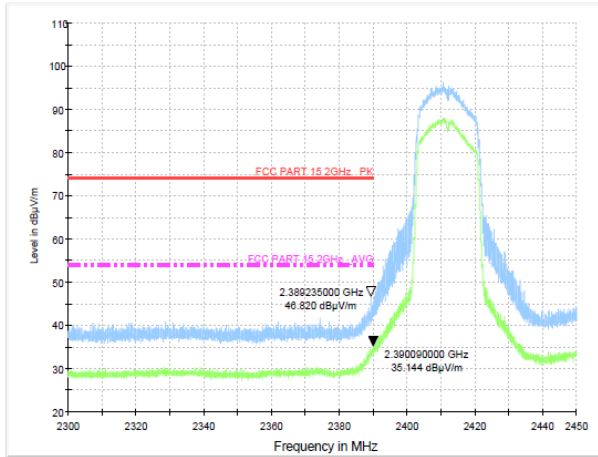
Test Mode: IEEE 802.11g-Low



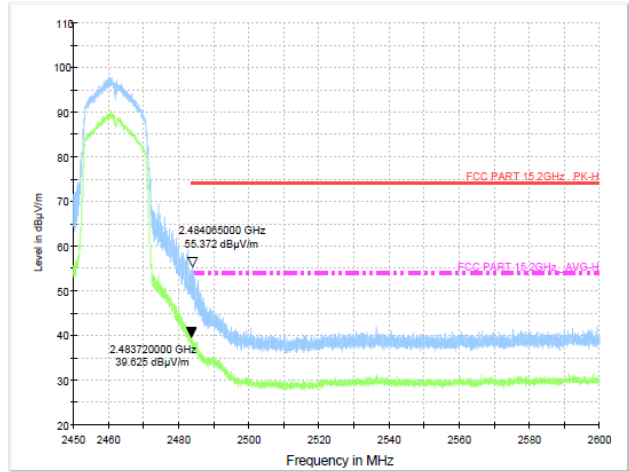
Test Mode: IEEE 802.11g-High



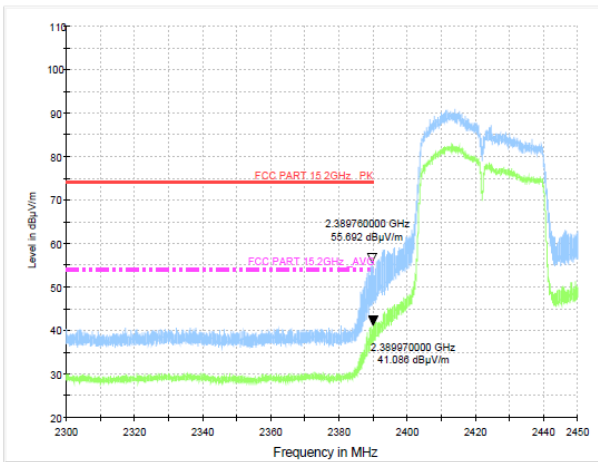
Test Mode: IEEE 802.11n20-Low



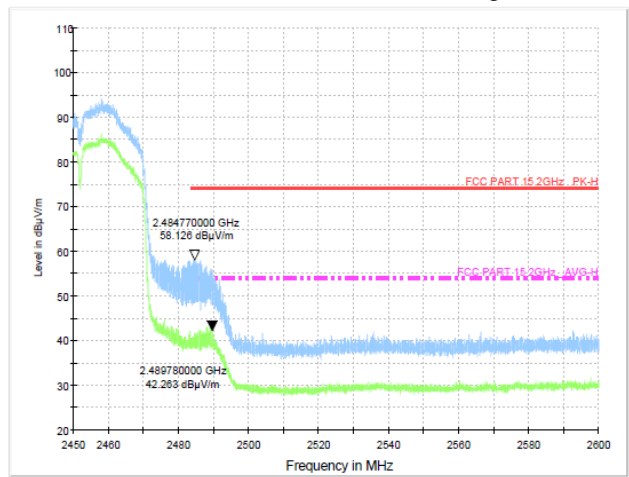
Test Mode: IEEE 802.11n20-High



Test Mode: IEEE 802.11n40-Low

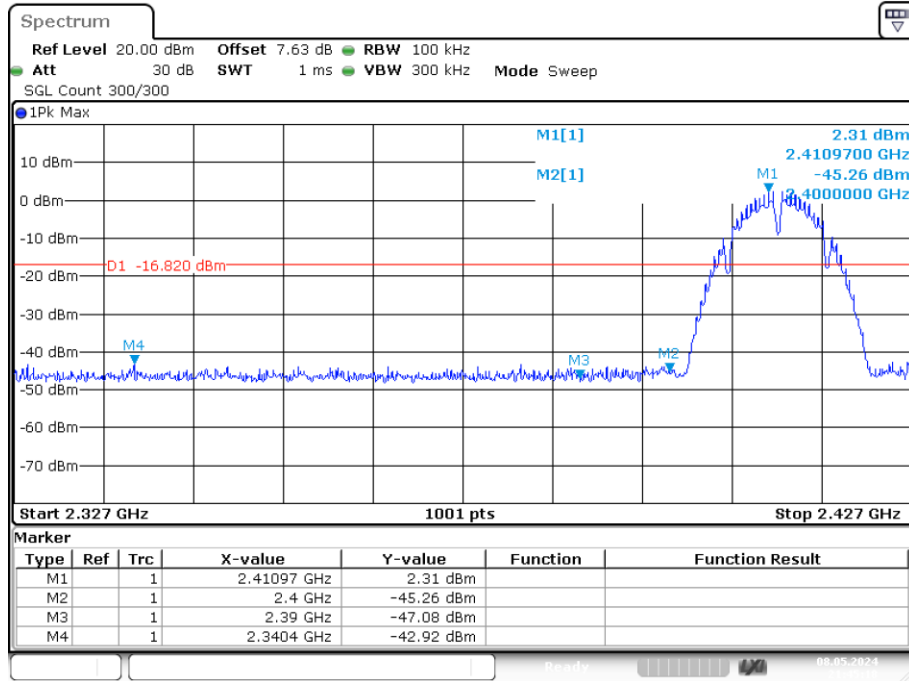


Test Mode: IEEE 802.11n40-High



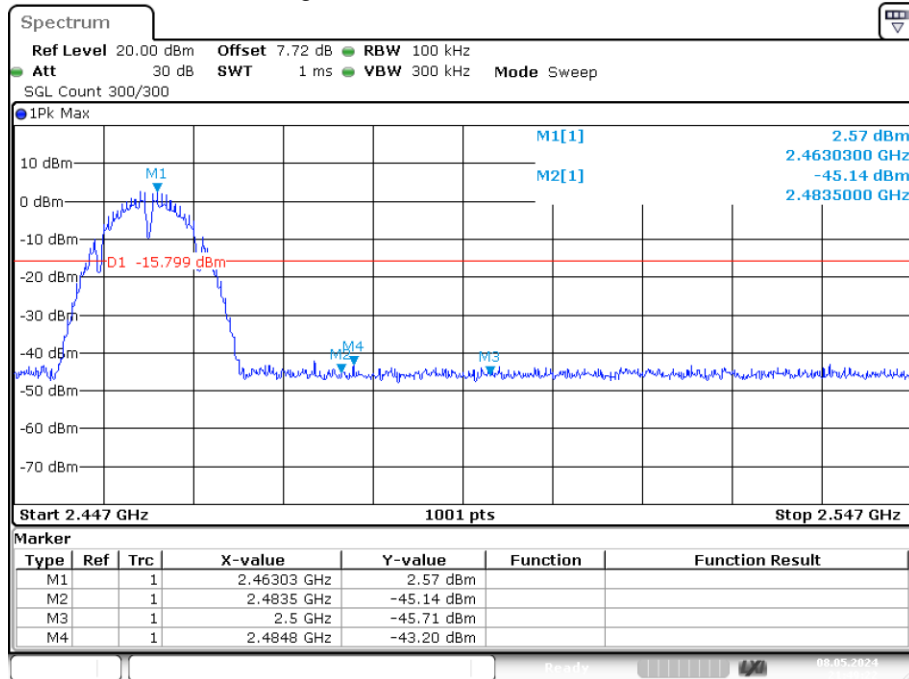
Conduction method testing

Band Edge NVNT b 2412MHz Ant1 Emission



Date: 8.MAY.2024 21:45:18

Band Edge NVNT b 2462MHz Ant1 Emission



Date: 8.MAY.2024 21:49:22