

Appendix A

7.1Maximum Conducted Output Power

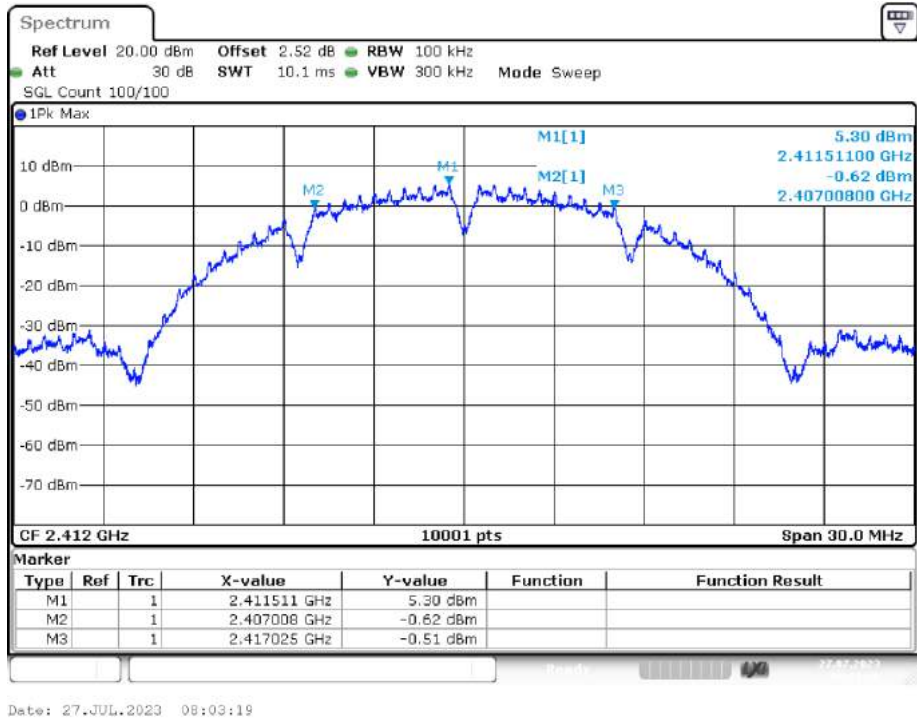
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	15.06	0	15.06	30	Pass
NVNT	b	2437	Ant1	15.01	0	15.01	30	Pass
NVNT	b	2462	Ant1	15.04	0	15.04	30	Pass
NVNT	g	2412	Ant1	13.64	0	13.64	30	Pass
NVNT	g	2437	Ant1	13.74	0	13.74	30	Pass
NVNT	g	2462	Ant1	13.71	0	13.71	30	Pass
NVNT	n20	2412	Ant1	13.05	0	13.05	30	Pass
NVNT	n20	2437	Ant1	13.31	0	13.31	30	Pass
NVNT	n20	2462	Ant1	13.44	0	13.44	30	Pass
NVNT	n40	2422	Ant1	13.75	0	13.75	30	Pass
NVNT	n40	2437	Ant1	13.79	0	13.79	30	Pass
NVNT	n40	2452	Ant1	13.82	0	13.82	30	Pass

7.2-6dB Bandwidth

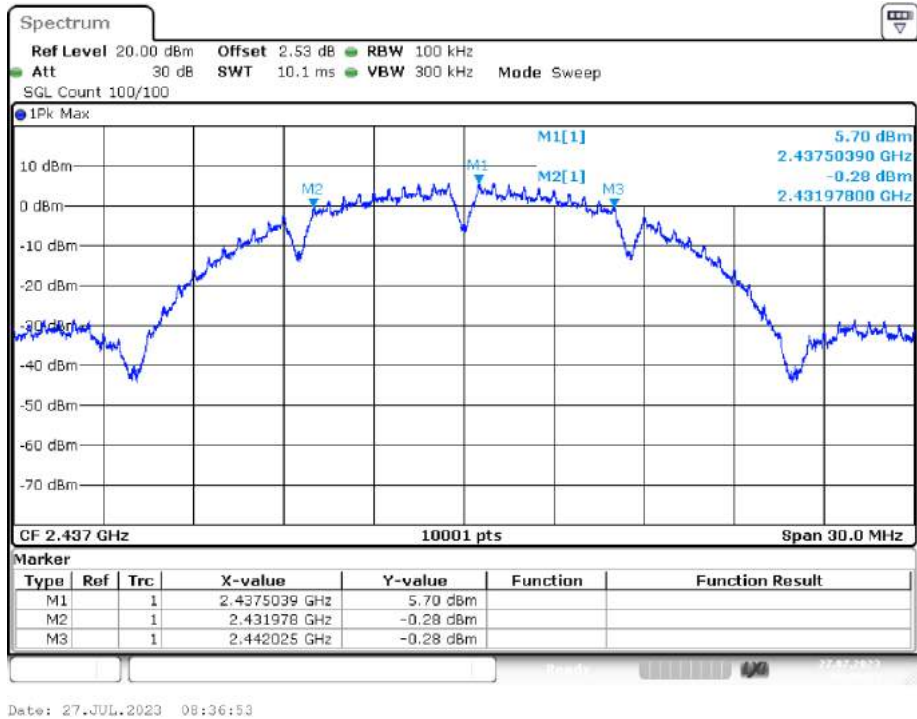
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10.017	0.5	Pass
NVNT	b	2437	Ant1	10.047	0.5	Pass
NVNT	b	2462	Ant1	10.035	0.5	Pass
NVNT	g	2412	Ant1	16.338	0.5	Pass
NVNT	g	2437	Ant1	16.341	0.5	Pass
NVNT	g	2462	Ant1	16.344	0.5	Pass
NVNT	n20	2412	Ant1	17.571	0.5	Pass
NVNT	n20	2437	Ant1	17.571	0.5	Pass
NVNT	n20	2462	Ant1	17.586	0.5	Pass
NVNT	n40	2422	Ant1	35.754	0.5	Pass
NVNT	n40	2437	Ant1	35.604	0.5	Pass
NVNT	n40	2452	Ant1	36	0.5	Pass

Test Graphs

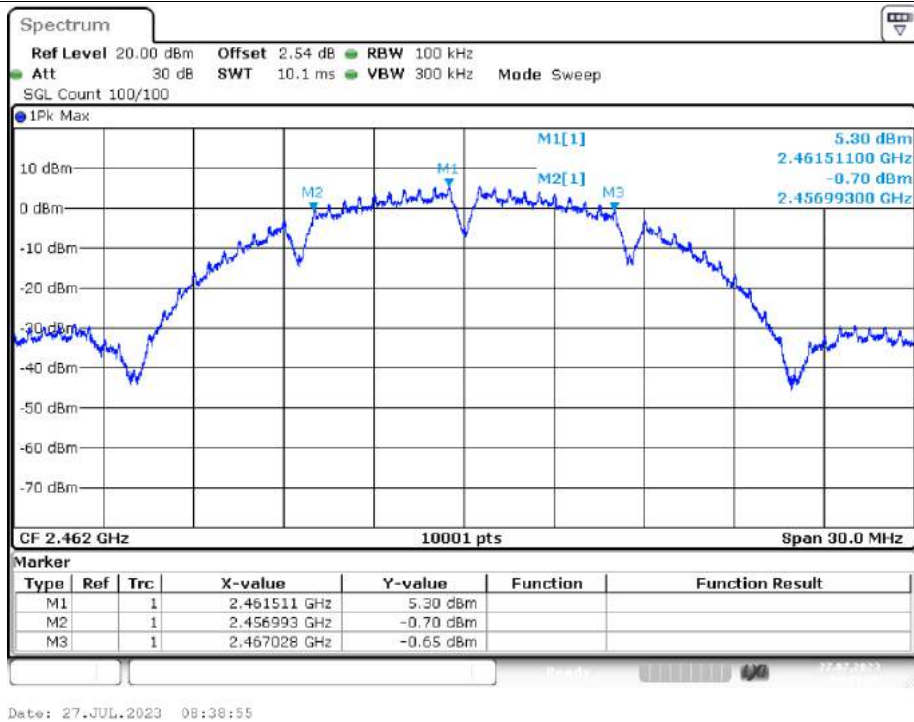
-6dB Bandwidth NVNT b 2412MHz Ant1



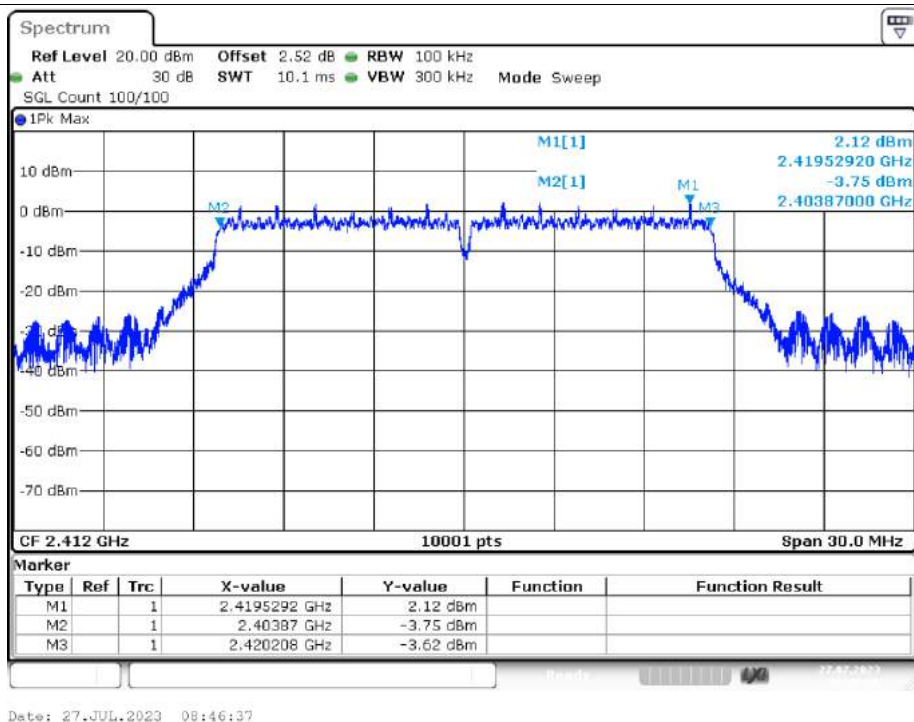
-6dB Bandwidth NVNT b 2437MHz Ant1



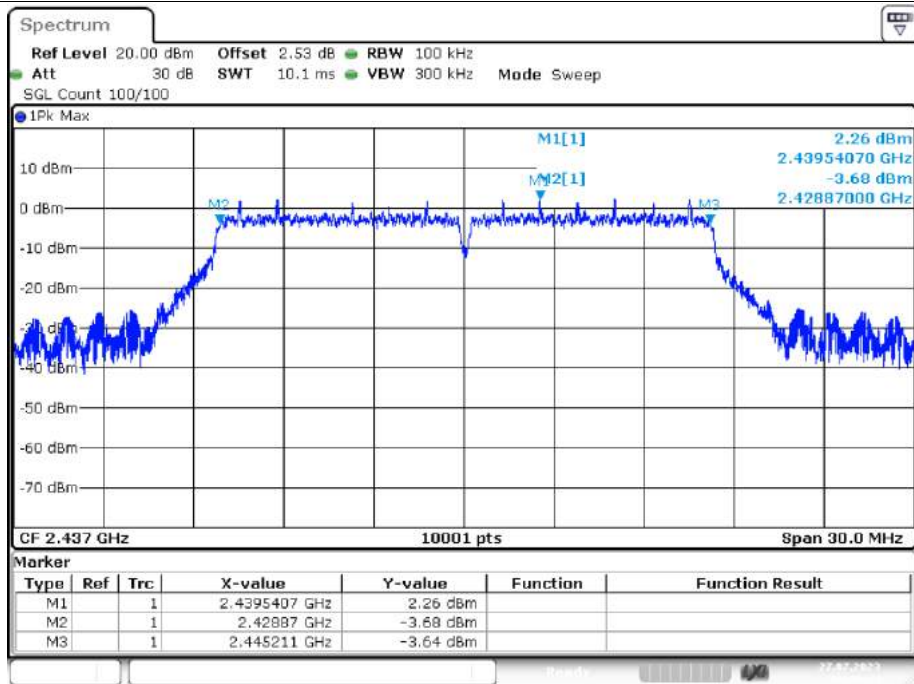
-6dB Bandwidth NVNT b 2462MHz Ant1



-6dB Bandwidth NVNT g 2412MHz Ant1

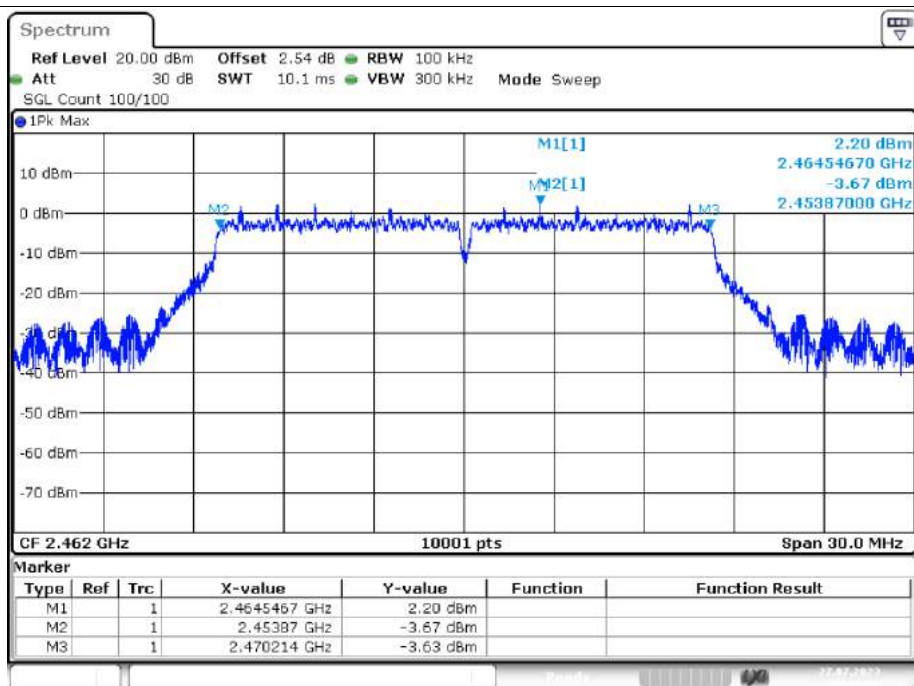


-6dB Bandwidth NVNT g 2437MHz Ant1



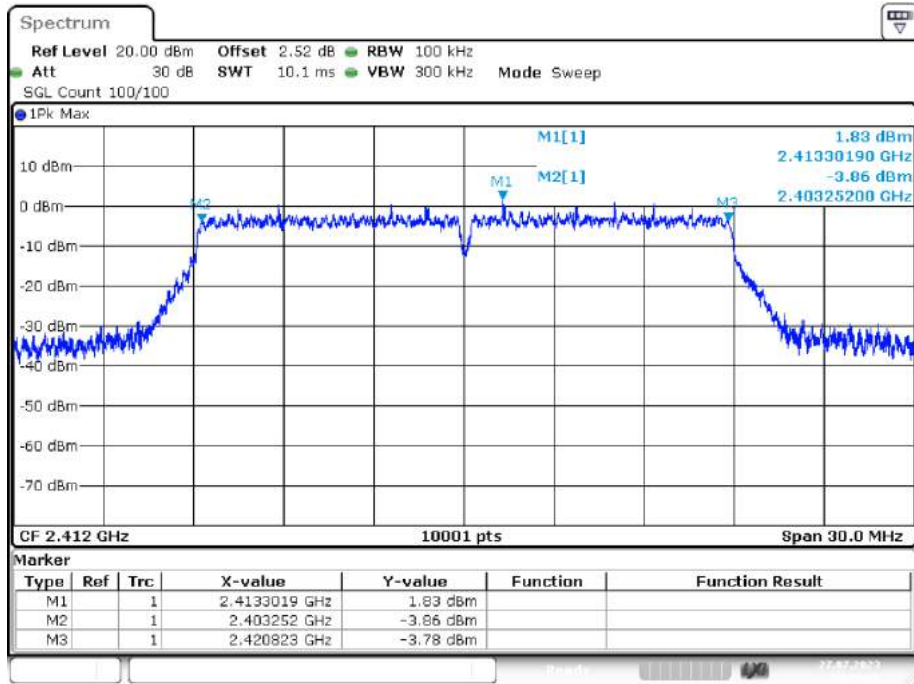
Date: 27.JUL.2023 08:49:14

-6dB Bandwidth NVNT g 2462MHz Ant1



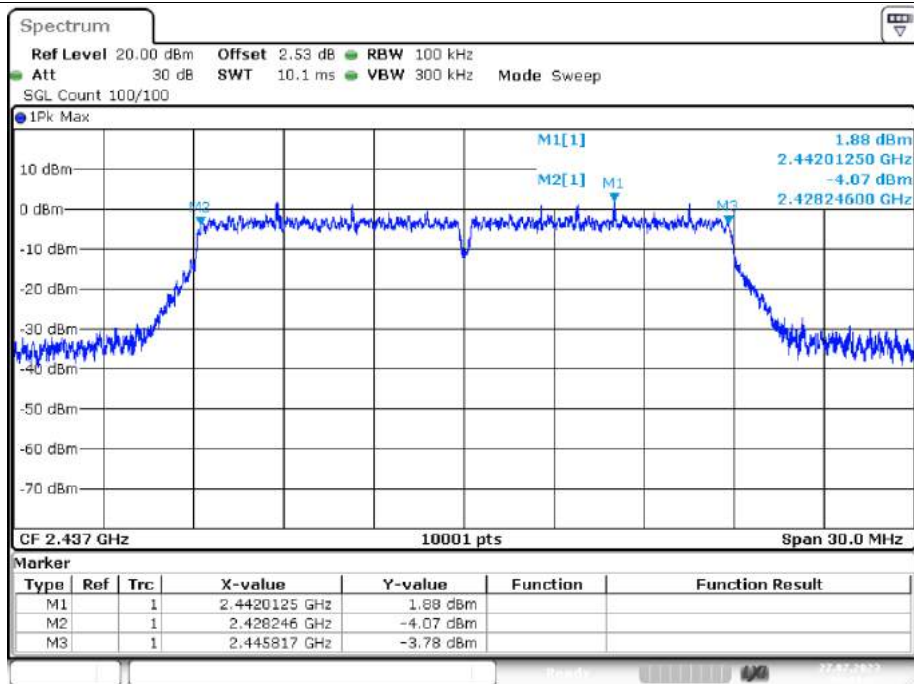
Date: 27.JUL.2023 08:52:02

-6dB Bandwidth NVNT n20 2412MHz Ant1



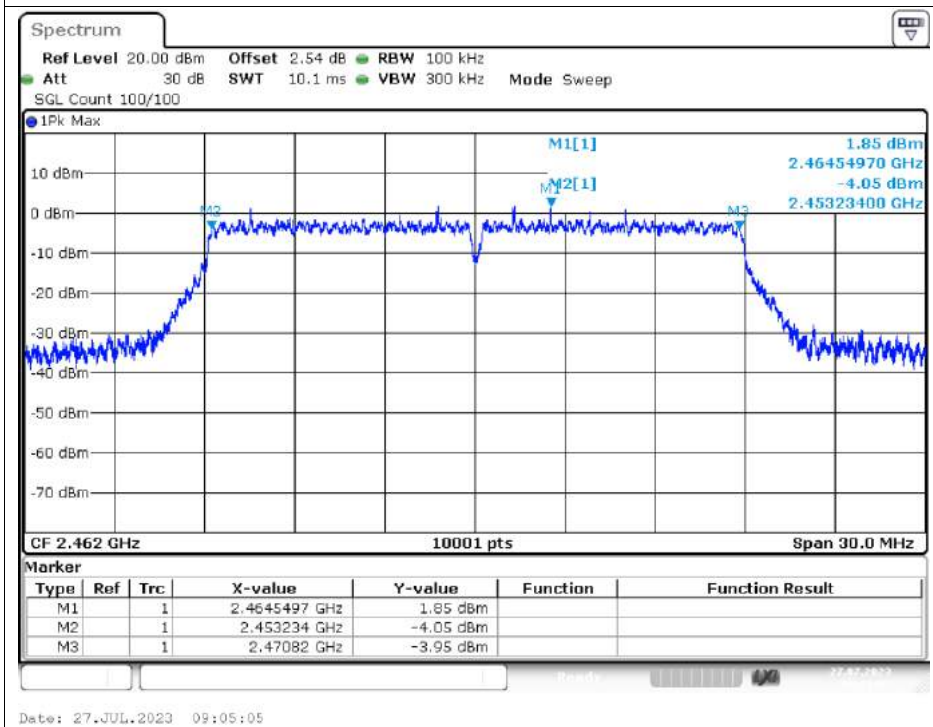
Date: 27.JUL.2023 08:56:18

-6dB Bandwidth NVNT n20 2437MHz Ant1

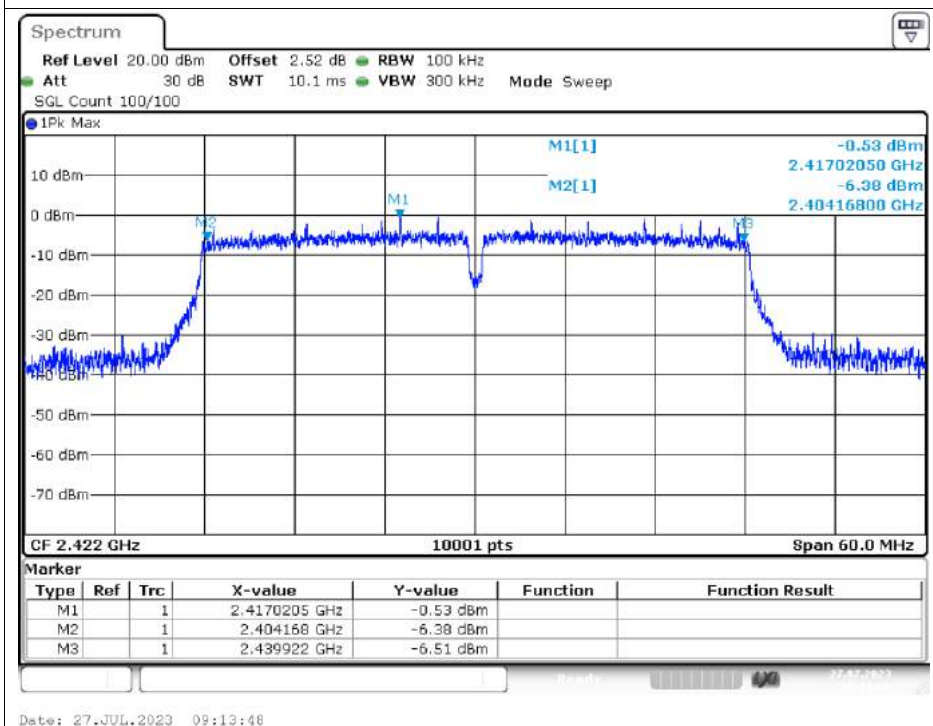


Date: 27.JUL.2023 09:01:34

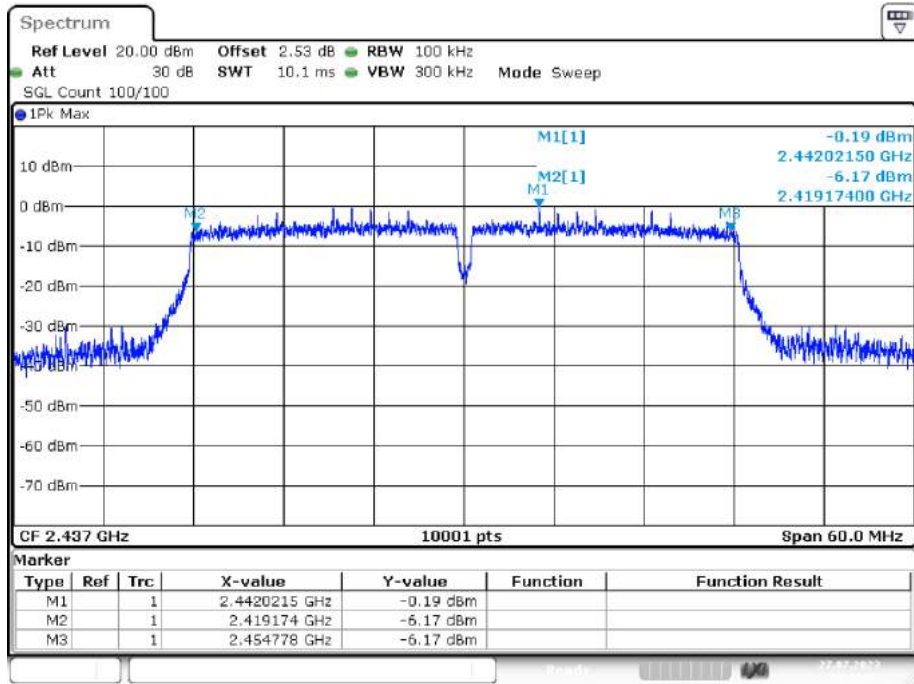
-6dB Bandwidth NVNT n20 2462MHz Ant1



-6dB Bandwidth NVNT n40 2422MHz Ant1

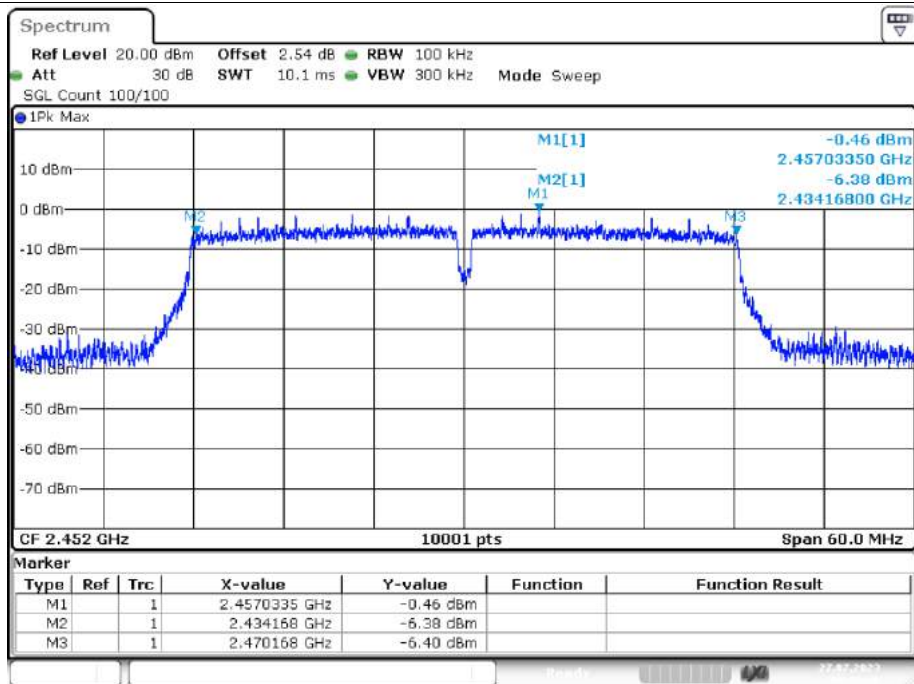


-6dB Bandwidth NVNT n40 2437MHz Ant1



Date: 27.JUL.2023 09:22:05

-6dB Bandwidth NVNT n40 2452MHz Ant1



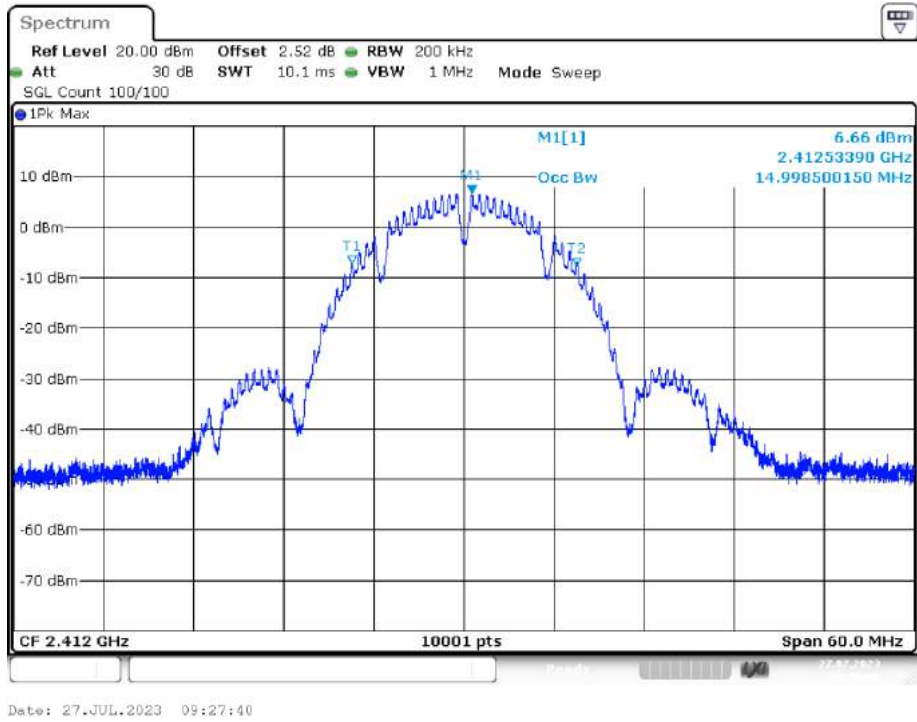
Date: 27.JUL.2023 09:25:19

Occupied Channel Bandwidth

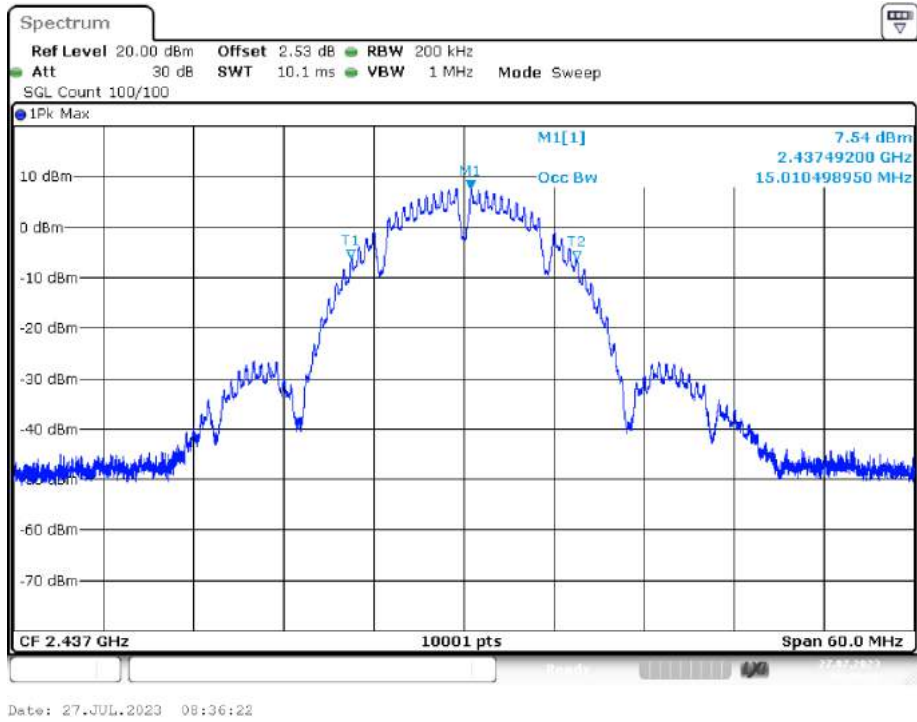
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.999
NVNT	b	2437	Ant1	15.01
NVNT	b	2462	Ant1	15.004
NVNT	g	2412	Ant1	16.84
NVNT	g	2437	Ant1	16.822
NVNT	g	2462	Ant1	16.81
NVNT	n20	2412	Ant1	17.872
NVNT	n20	2437	Ant1	17.866
NVNT	n20	2462	Ant1	17.872
NVNT	n40	2422	Ant1	36.404
NVNT	n40	2437	Ant1	36.392
NVNT	n40	2452	Ant1	36.428

Test Graphs

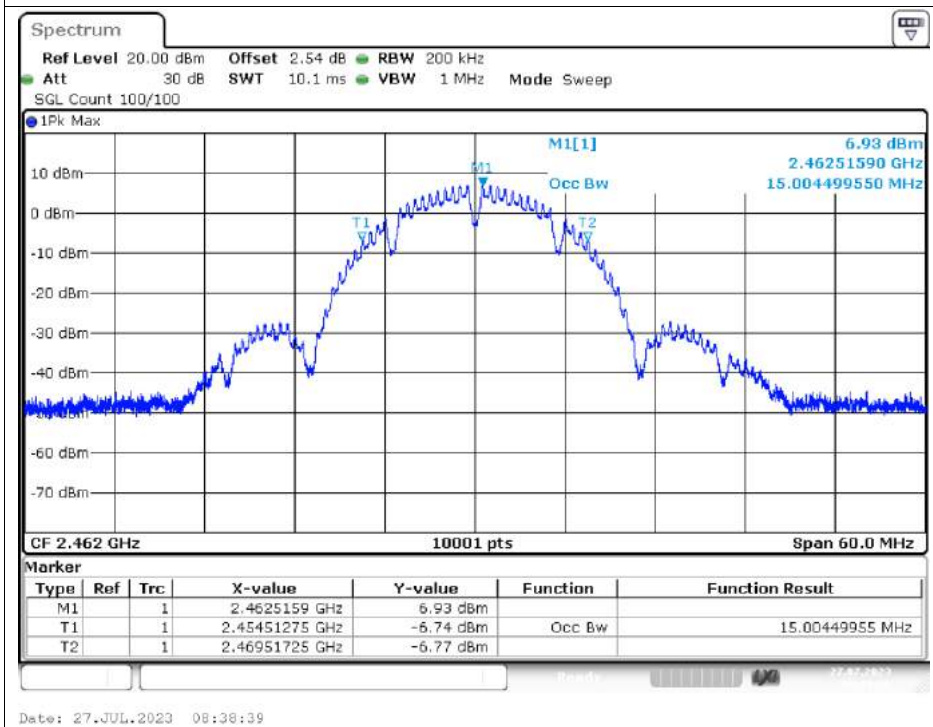
OBW NVNT b 2412MHz Ant1



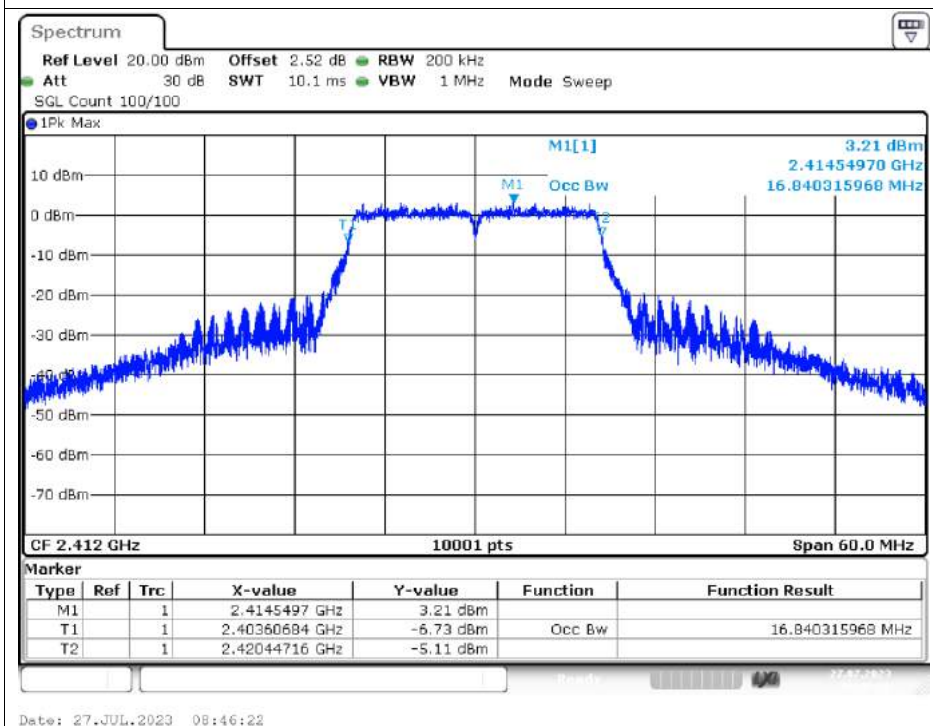
OBW NVNT b 2437MHz Ant1



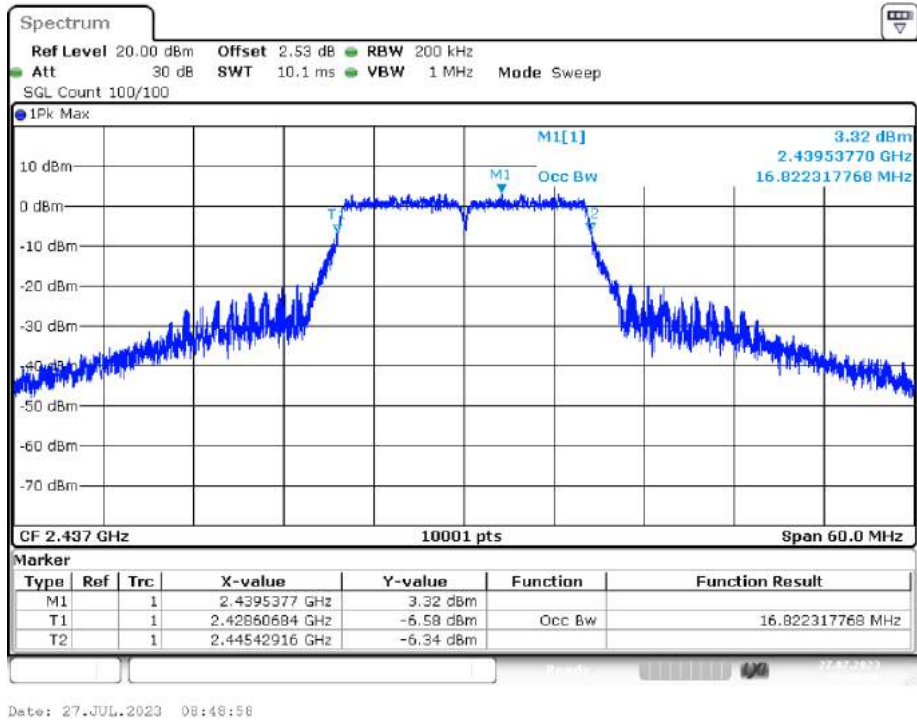
OBW NVNT b 2462MHz Ant1



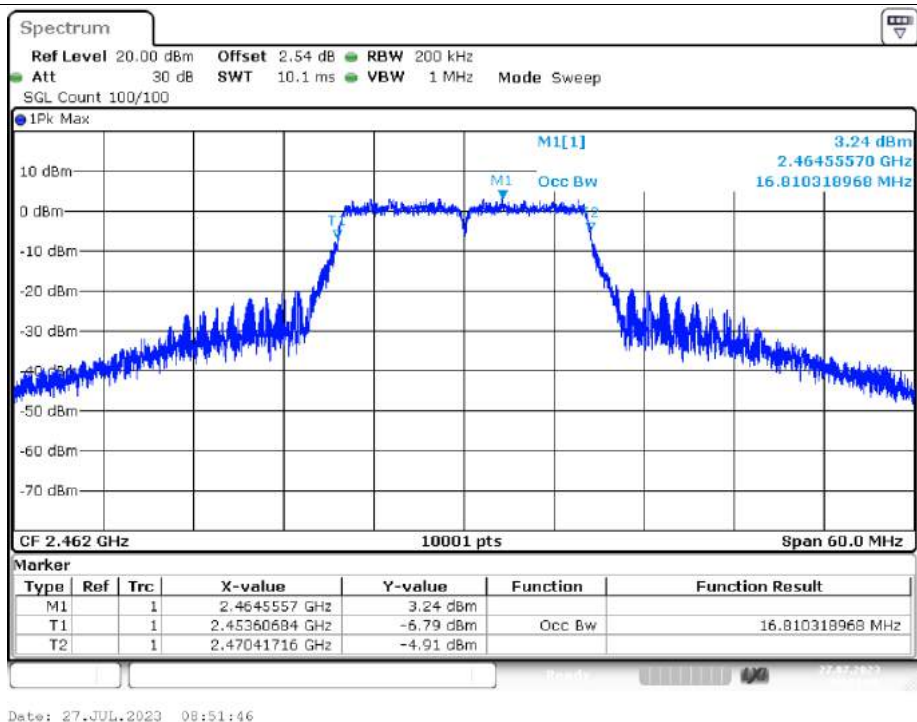
OBW NVNT g 2412MHz Ant1



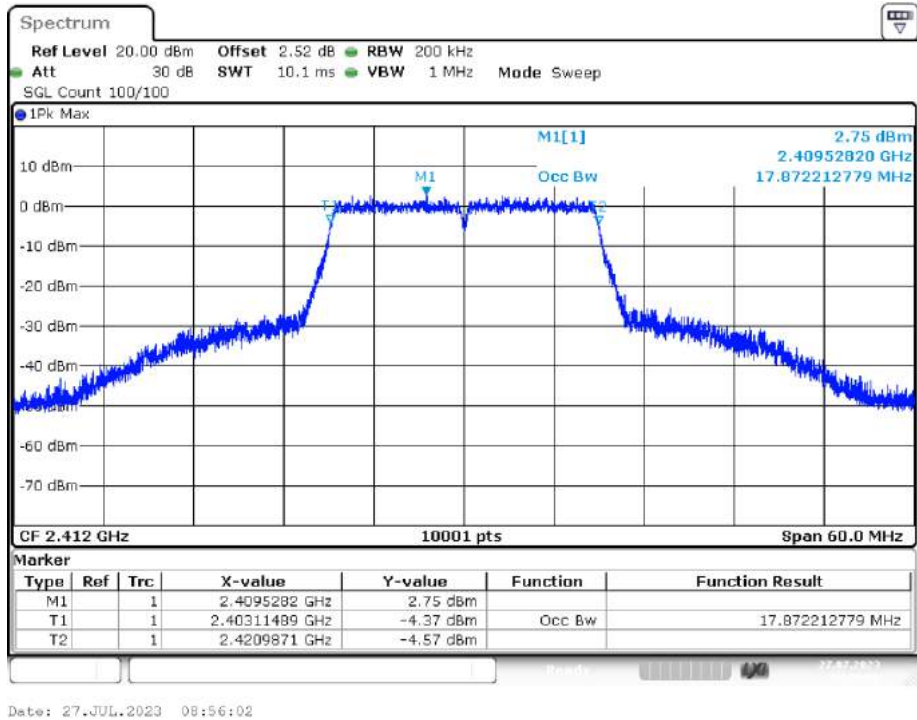
OBW NVNT g 2437MHz Ant1



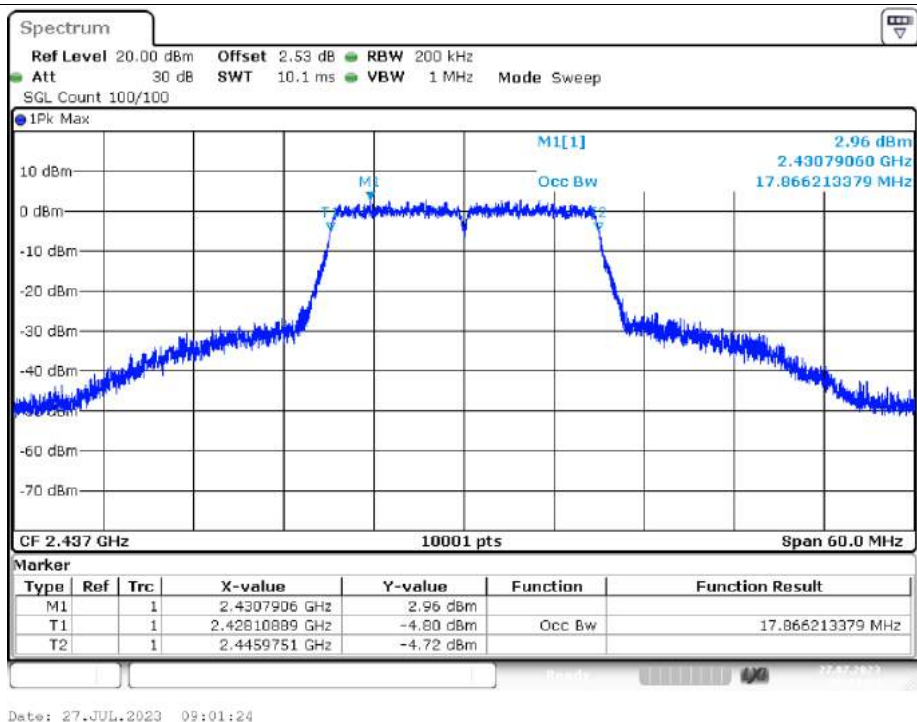
OBW NVNT g 2462MHz Ant1



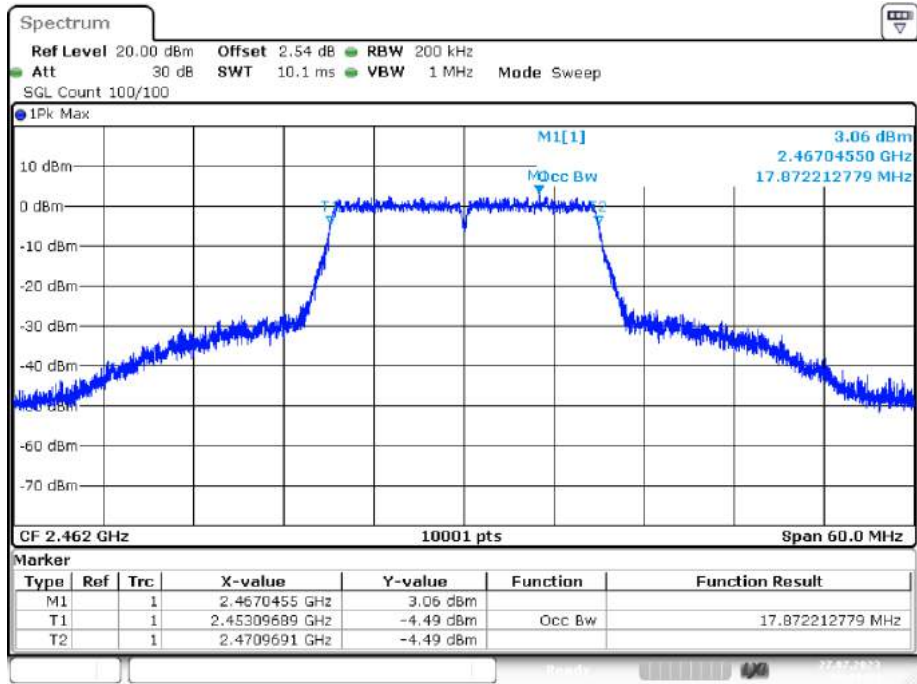
OBW NVNT n20 2412MHz Ant1



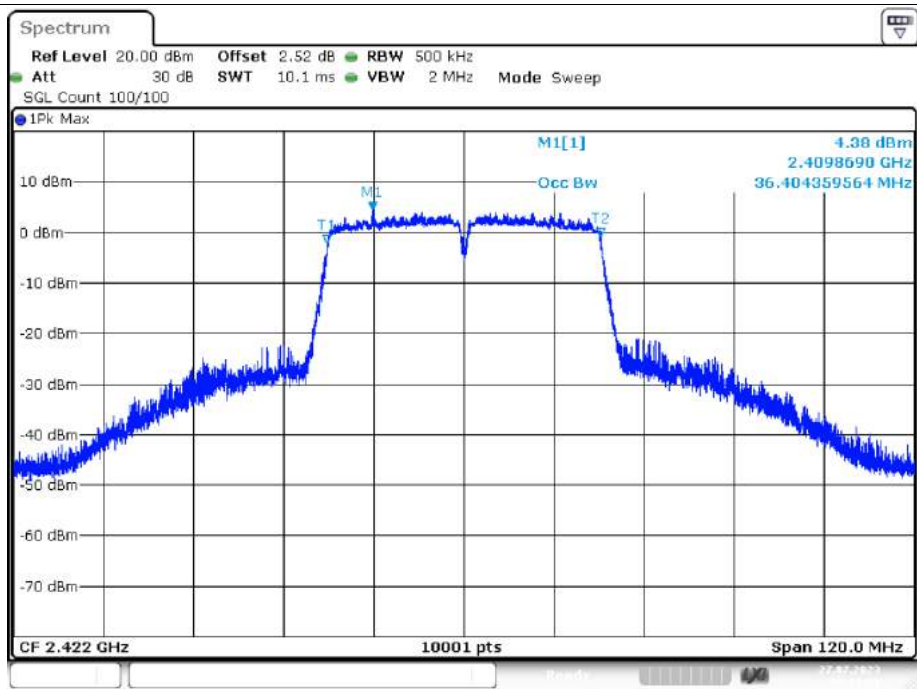
OBW NVNT n20 2437MHz Ant1



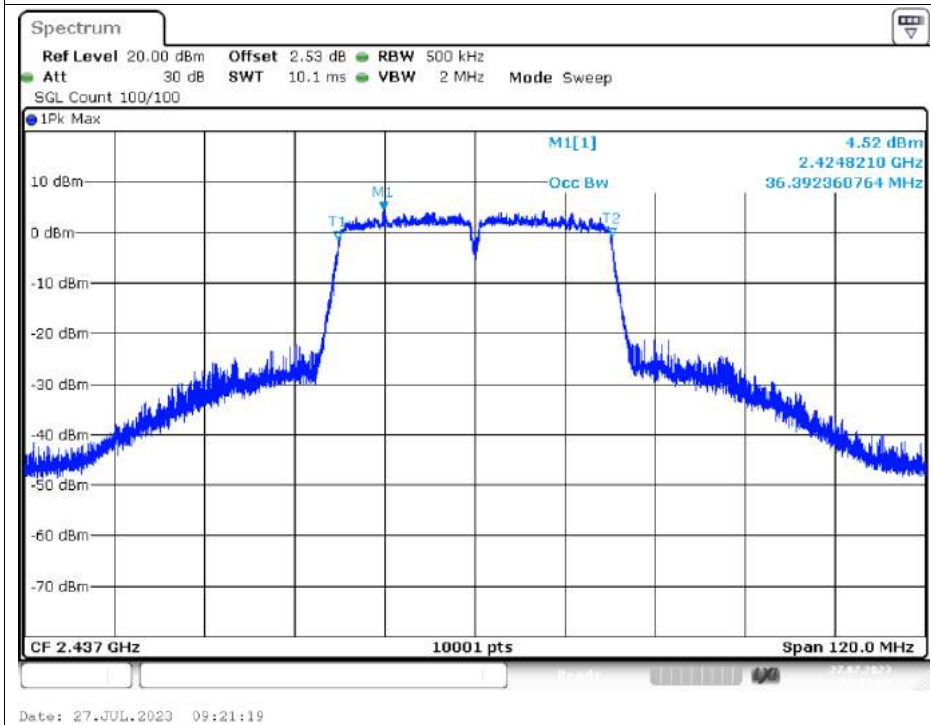
OBW NVNT n20 2462MHz Ant1



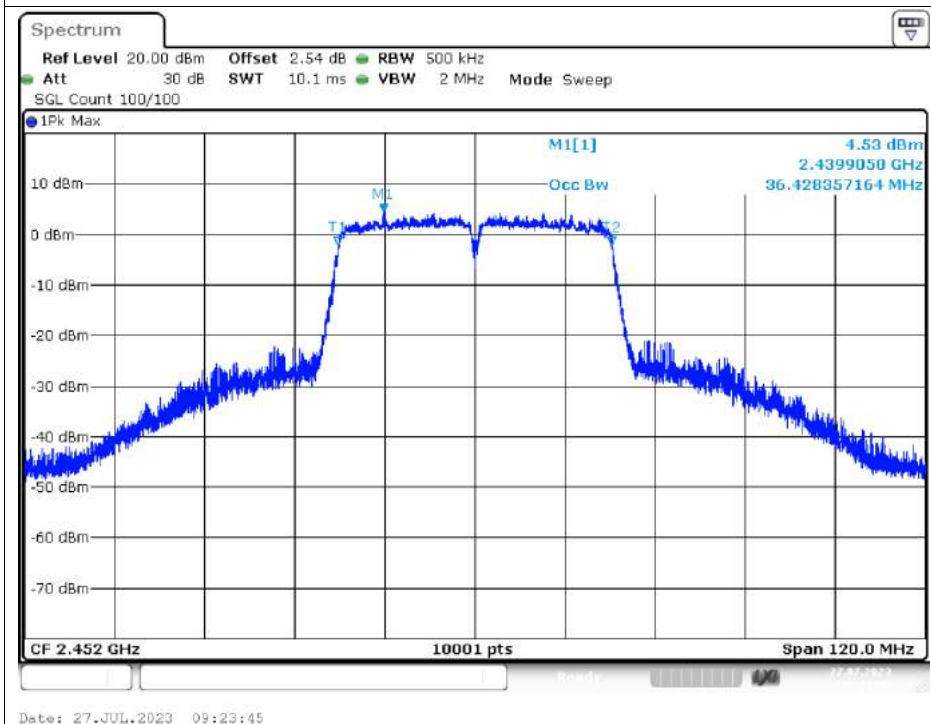
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



OBW NVNT n40 2452MHz Ant1

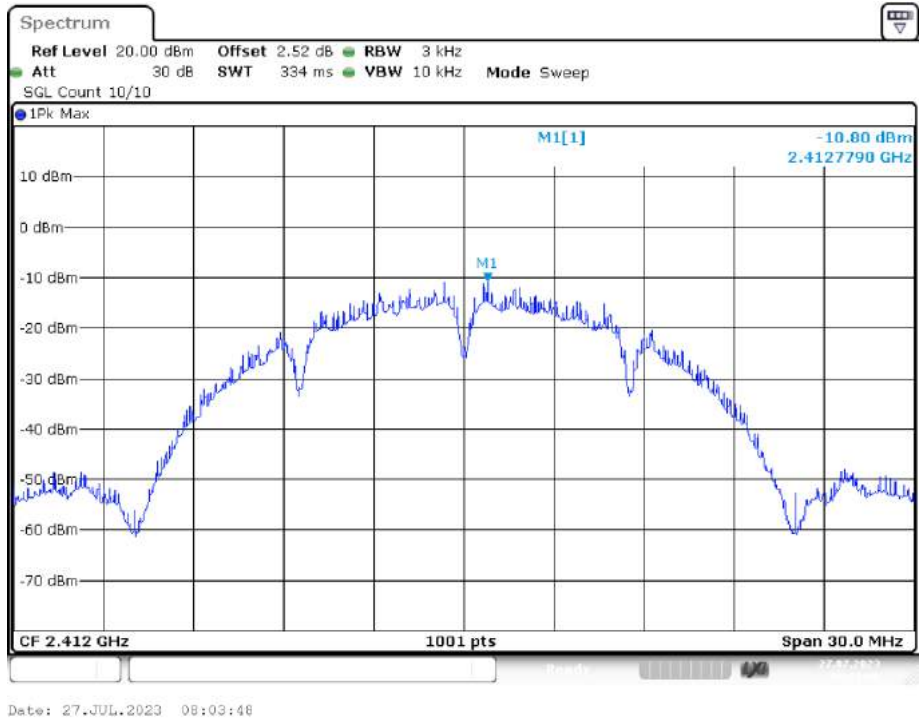


7.3Maximum Power Spectral Density Level

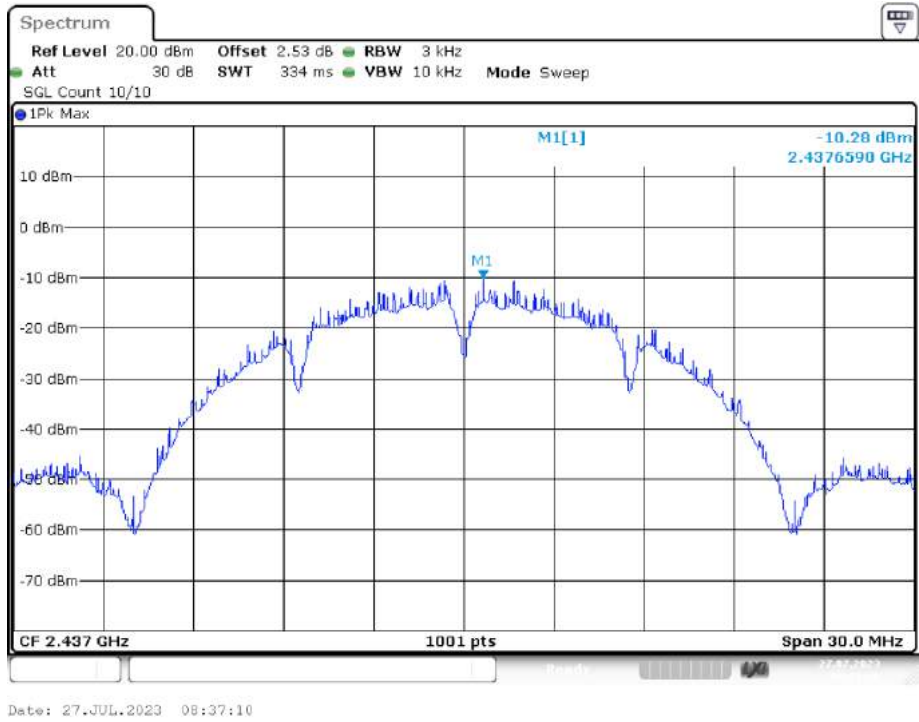
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-10.8	0	-10.8	8	Pass
NVNT	b	2437	Ant1	-10.28	0	-10.28	8	Pass
NVNT	b	2462	Ant1	-11.42	0	-11.42	8	Pass
NVNT	g	2412	Ant1	-12.94	0	-12.94	8	Pass
NVNT	g	2437	Ant1	-13.94	0	-13.94	8	Pass
NVNT	g	2462	Ant1	-13.9	0	-13.9	8	Pass
NVNT	n20	2412	Ant1	-14.51	0	-14.51	8	Pass
NVNT	n20	2437	Ant1	-14.71	0	-14.71	8	Pass
NVNT	n20	2462	Ant1	-13.3	0	-13.3	8	Pass
NVNT	n40	2422	Ant1	-14.99	0	-14.99	8	Pass
NVNT	n40	2437	Ant1	-15.59	0	-15.59	8	Pass
NVNT	n40	2452	Ant1	-15.66	0	-15.66	8	Pass

Test Graphs

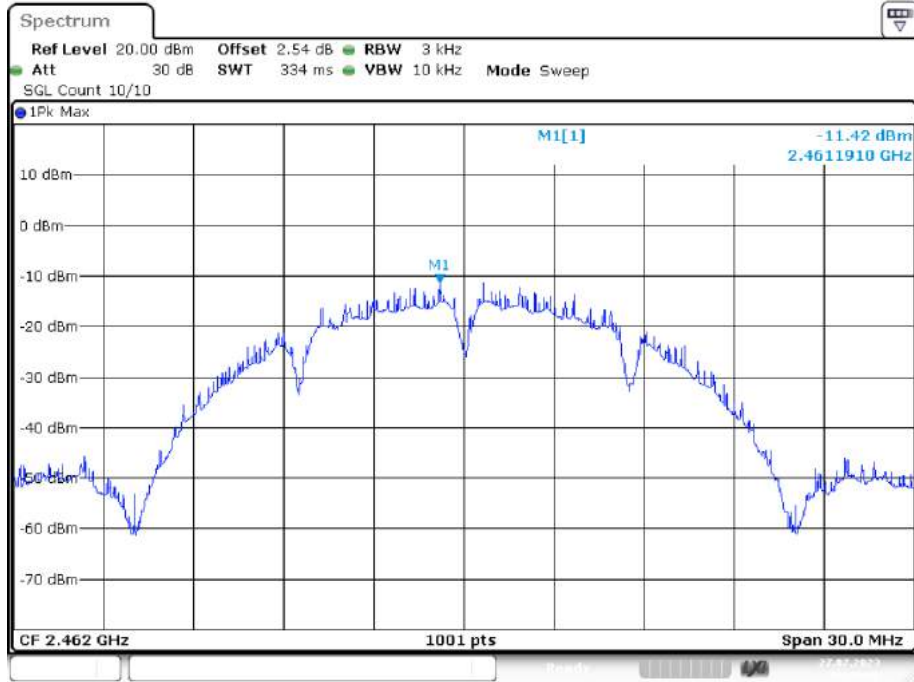
PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1

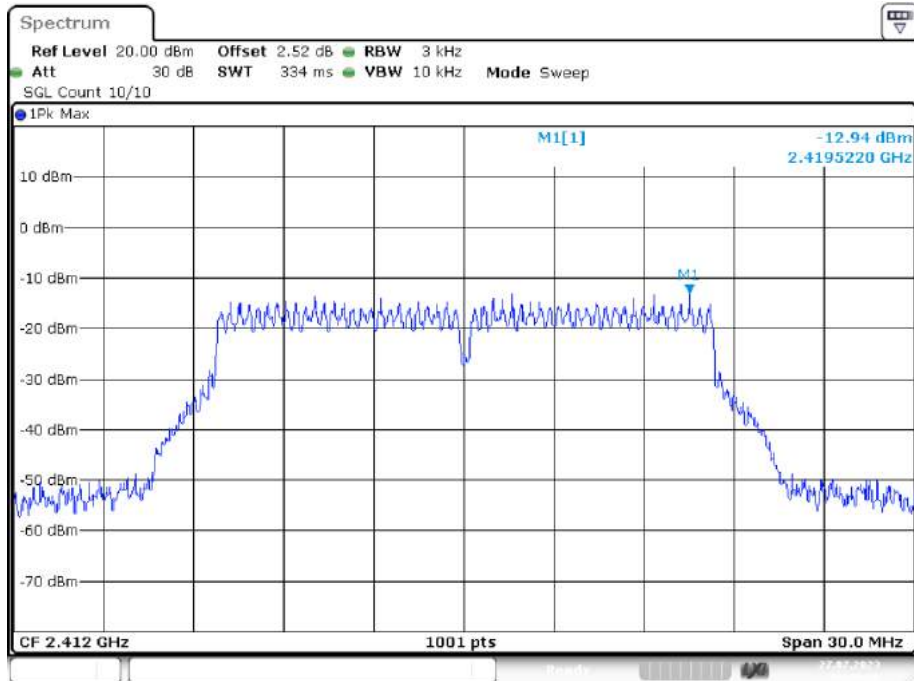


PSD NVNT b 2462MHz Ant1



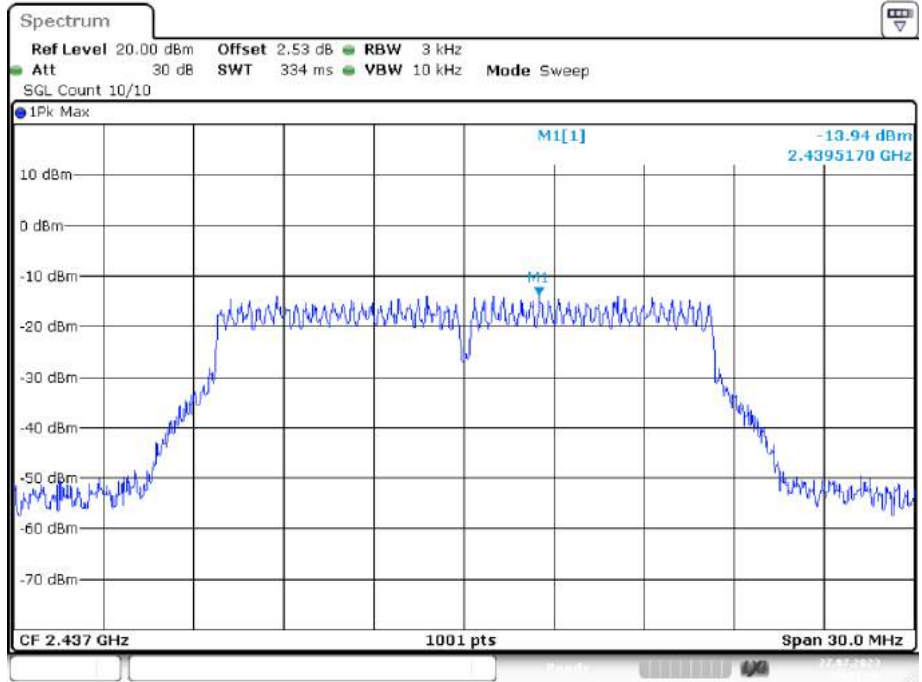
Date: 27.JUL.2023 08:40:41

PSD NVNT g 2412MHz Ant1



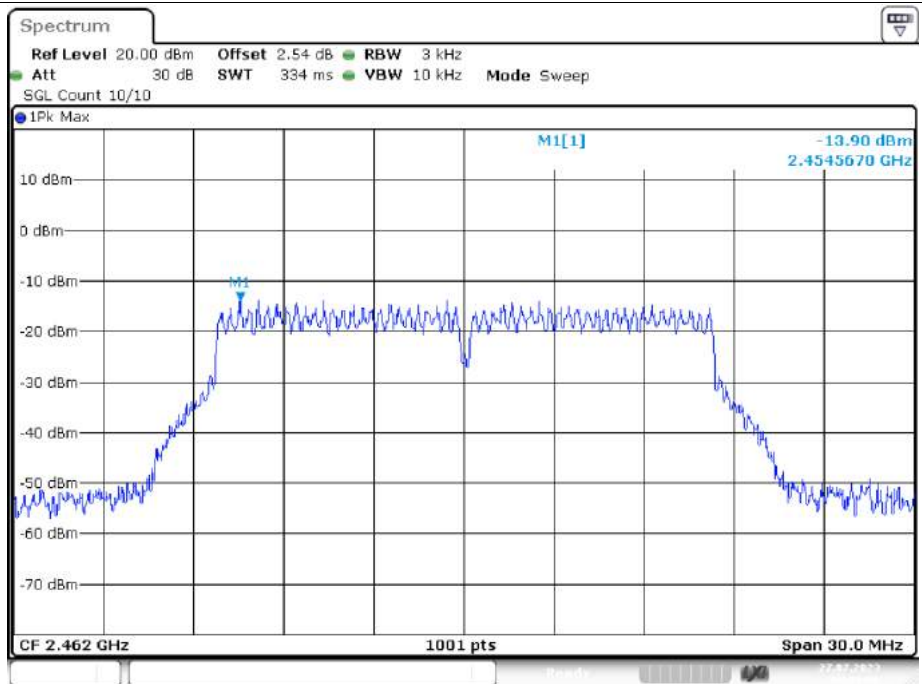
Date: 27.JUL.2023 08:48:27

PSD NVNT g 2437MHz Ant1



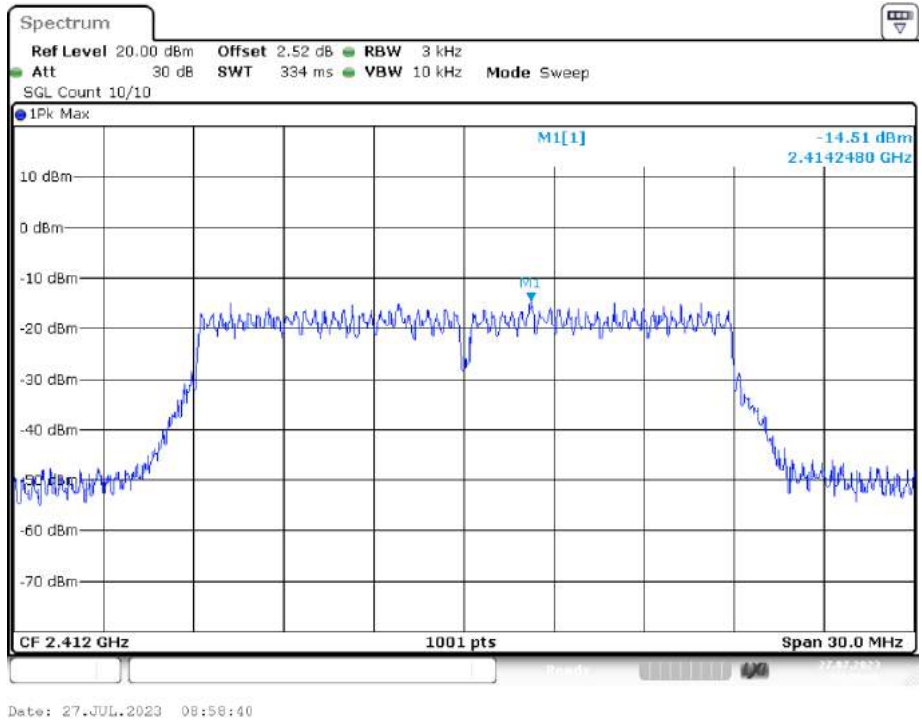
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PSD NVNT g 2462MHz Ant1

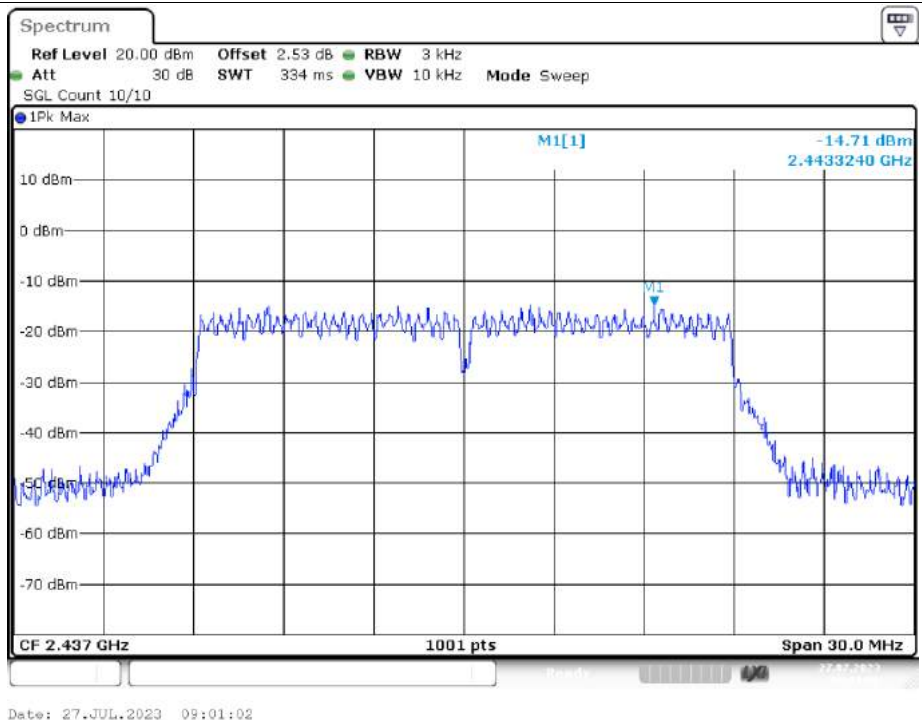


Date: 27.JUL.2023 08:54:08

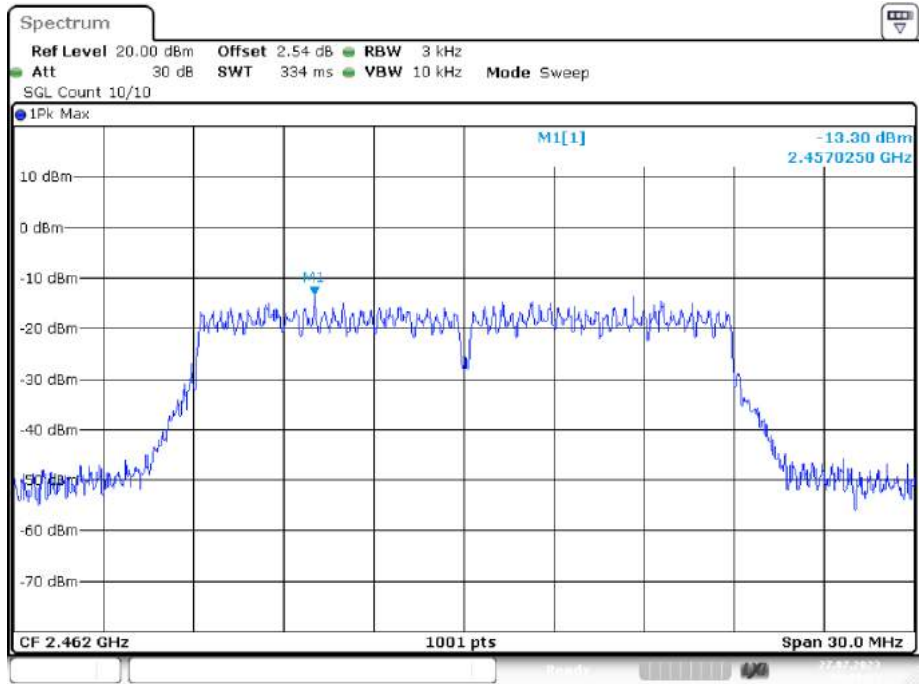
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1

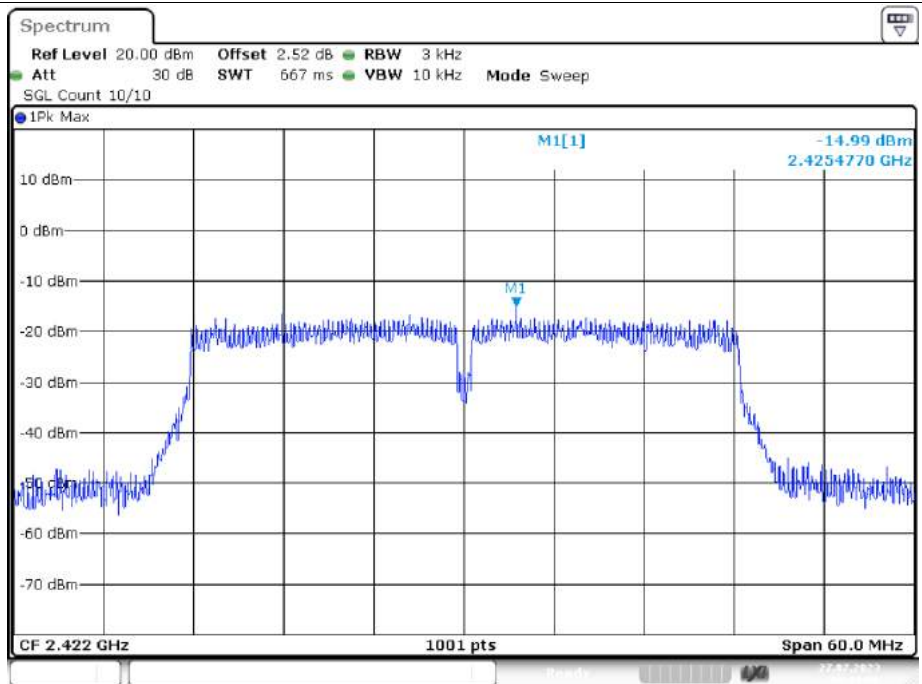


PSD NVNT n20 2462MHz Ant1



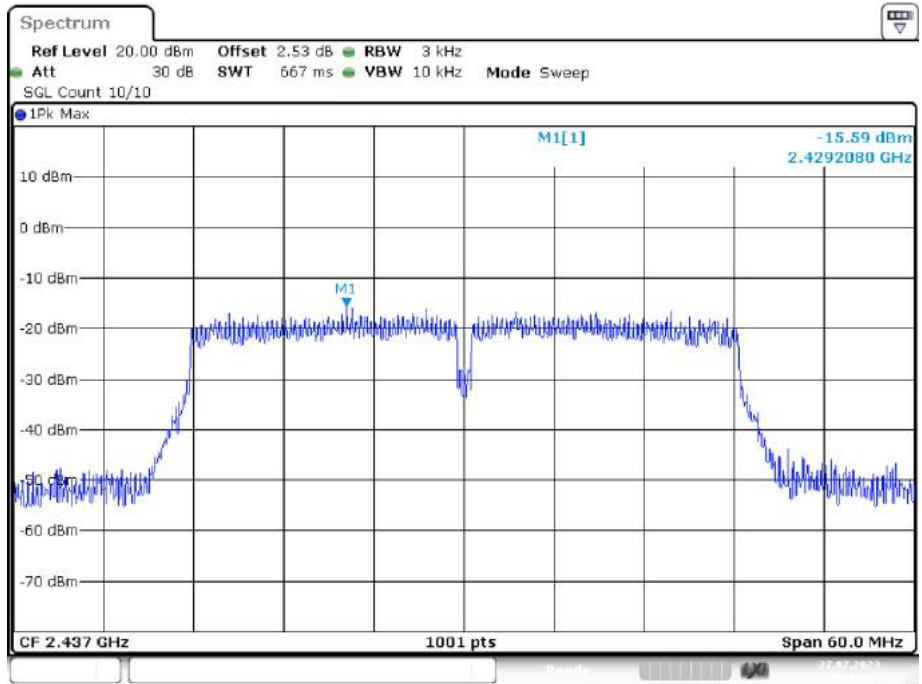
Date: 27.JUL.2023 09:04:33

PSD NVNT n40 2422MHz Ant1



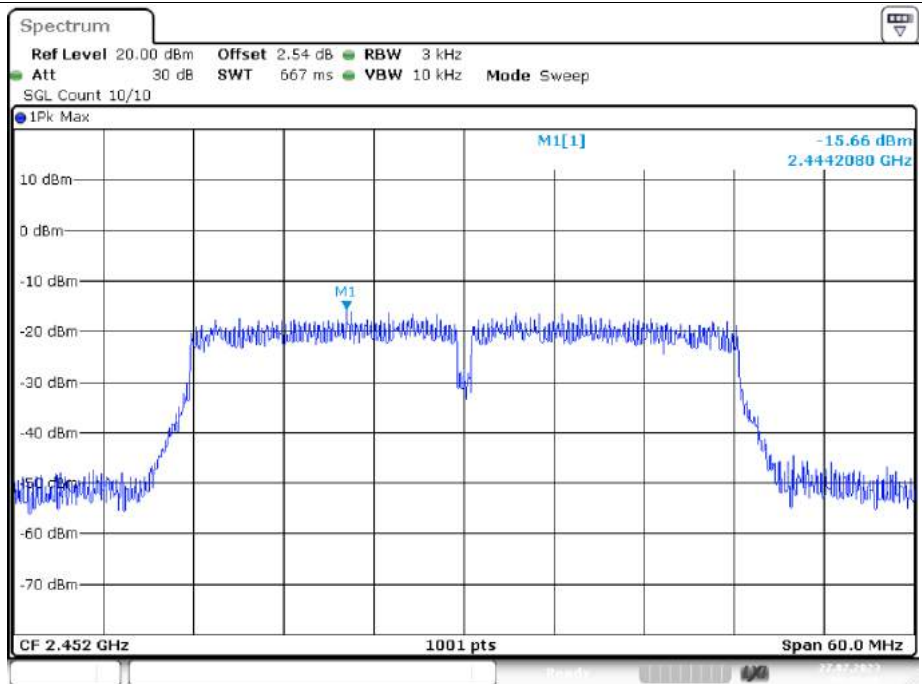
Date: 27.JUL.2023 09:14:08

PSD NVNT n40 2437MHz Ant1



Date: 27.JUL.2023 09:22:24

PSD NVNT n40 2452MHz Ant1



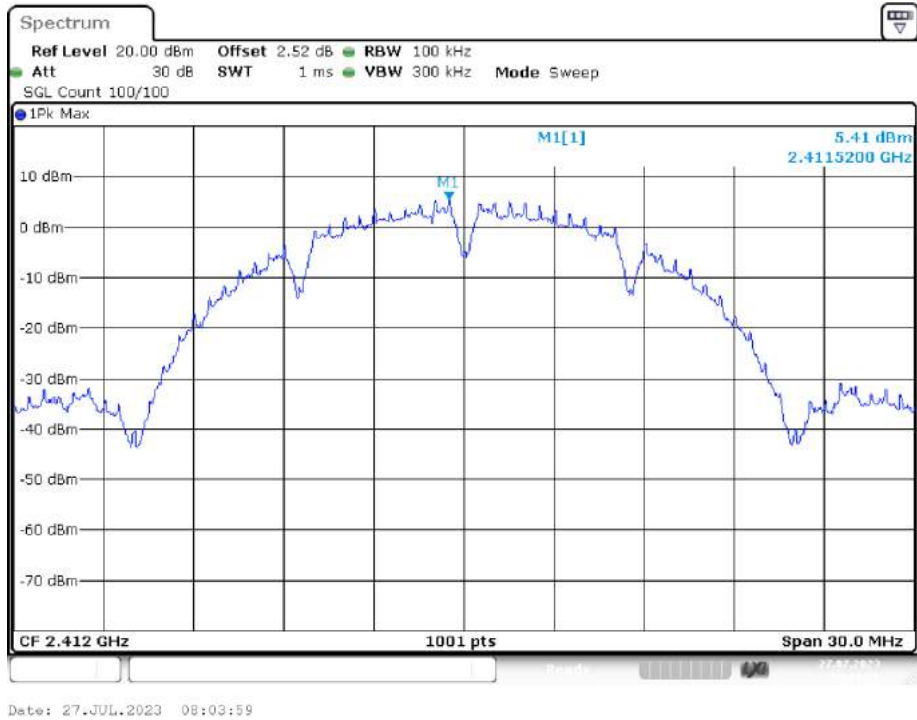
Date: 27.JUL.2023 09:25:38

7.4Band Edge

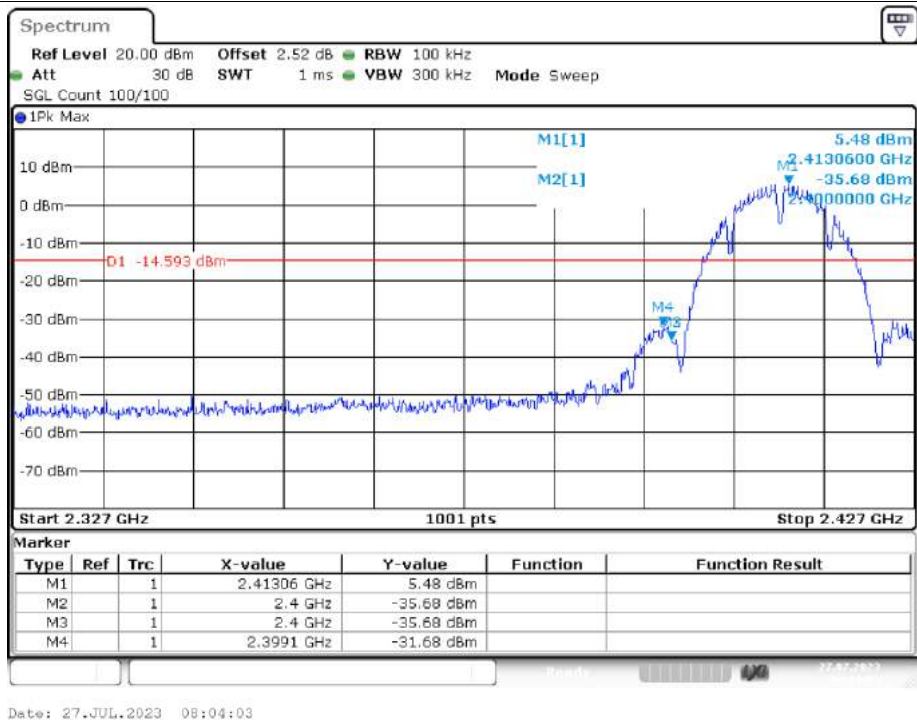
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-37.09	-20	Pass
NVNT	b	2462	Ant1	-53.19	-20	Pass
NVNT	g	2412	Ant1	-30.15	-20	Pass
NVNT	g	2462	Ant1	-40.22	-20	Pass
NVNT	n20	2412	Ant1	-30.4	-20	Pass
NVNT	n20	2462	Ant1	-38.84	-20	Pass
NVNT	n40	2422	Ant1	-30.56	-20	Pass
NVNT	n40	2452	Ant1	-32.33	-20	Pass

Test Graphs

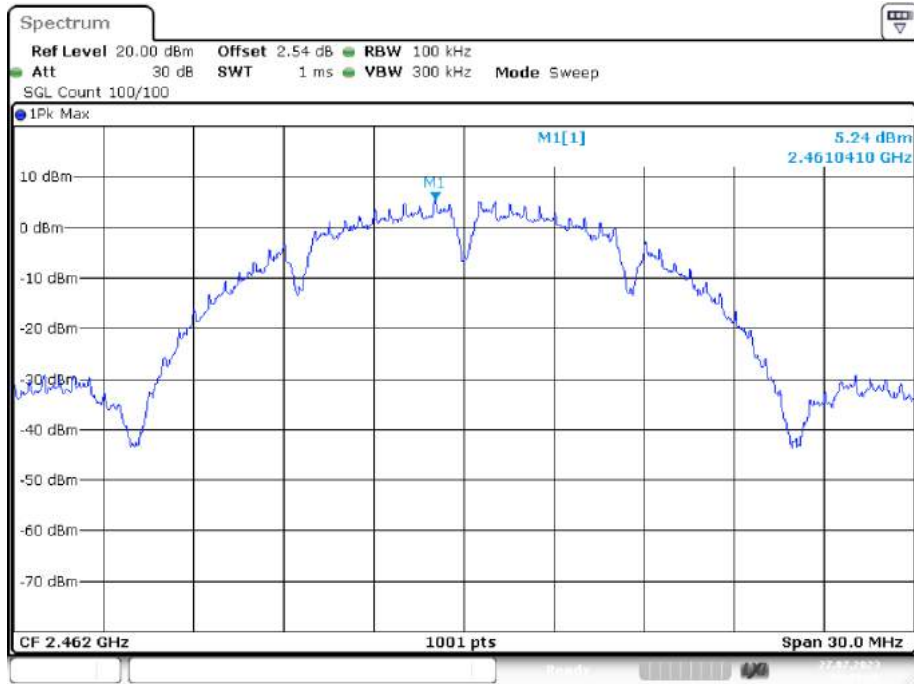
Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission

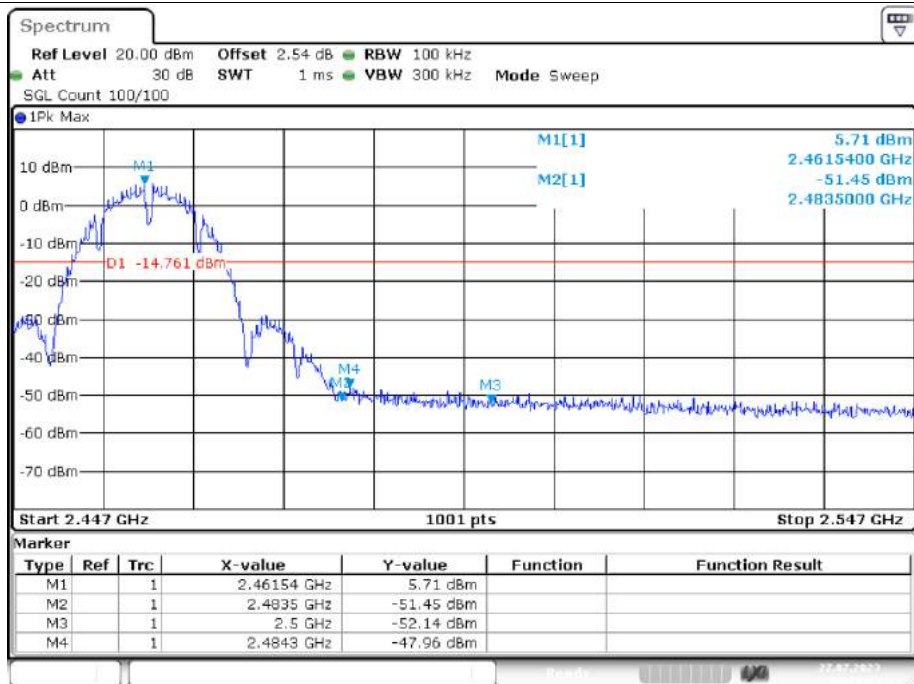


Band Edge NVNT b 2462MHz Ant1 Ref



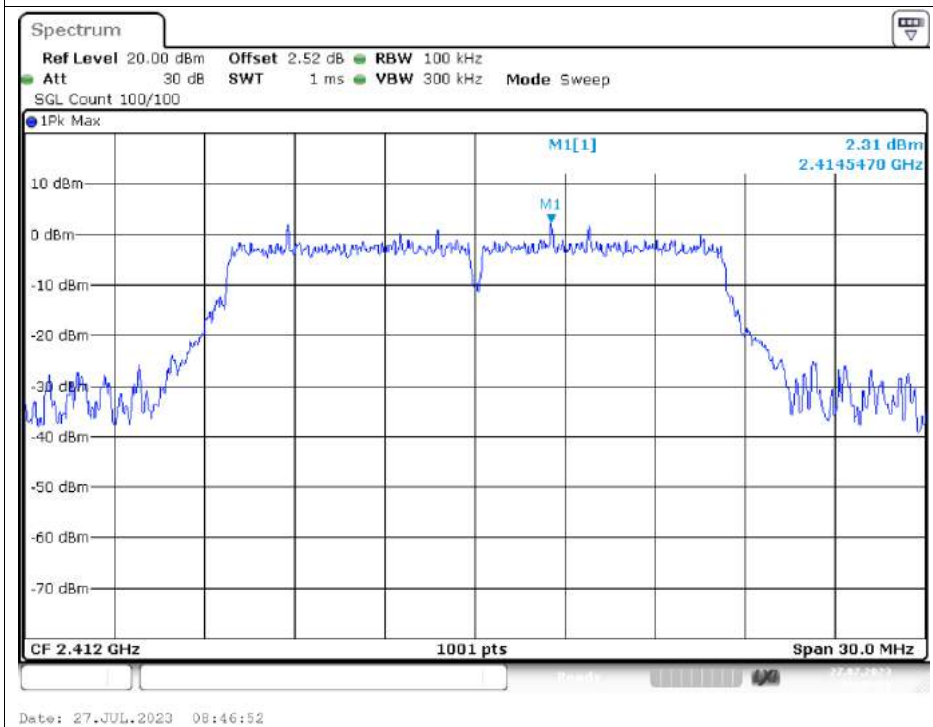
Date: 27.JUL.2023 08:39:10

Band Edge NVNT b 2462MHz Ant1 Emission

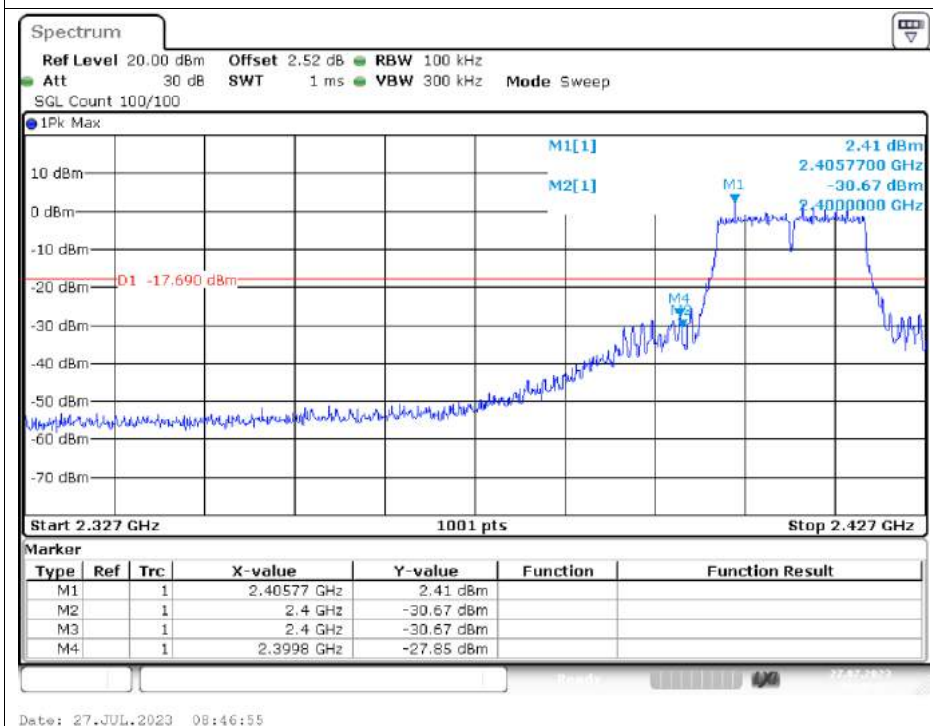


Date: 27.JUL.2023 08:39:13

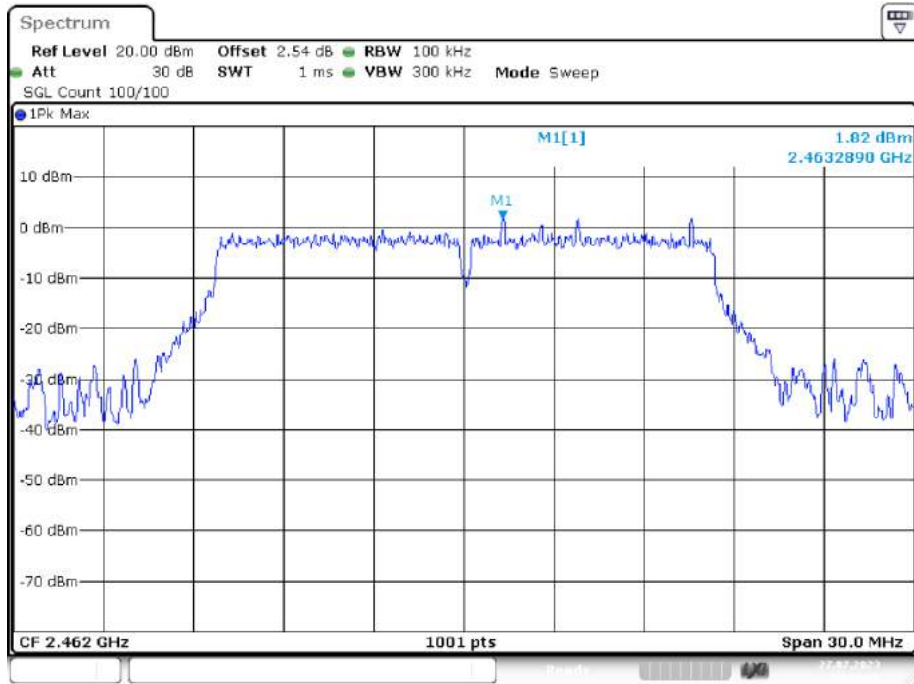
Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission

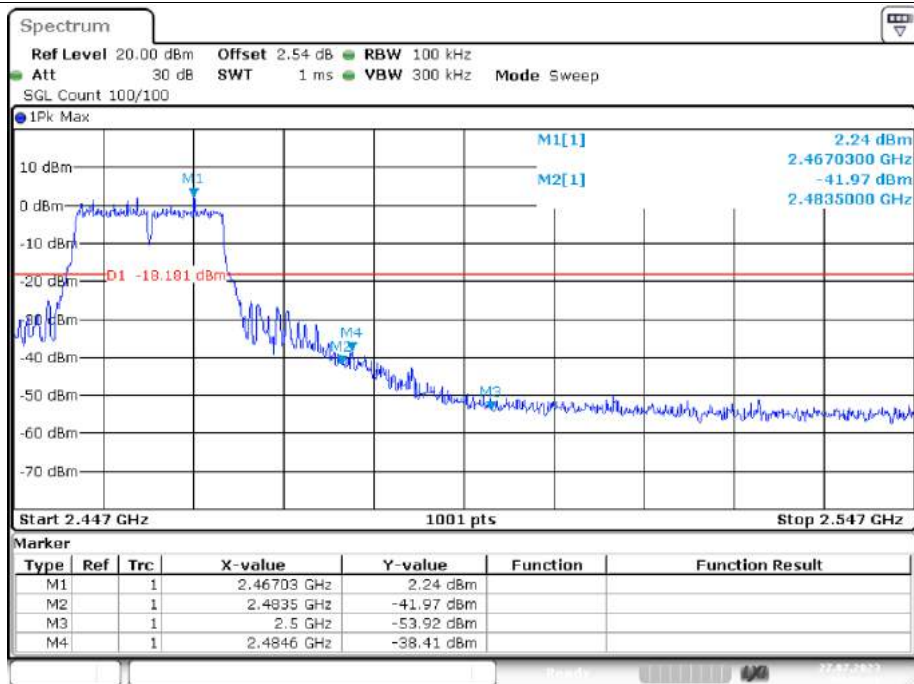


Band Edge NVNT g 2462MHz Ant1 Ref



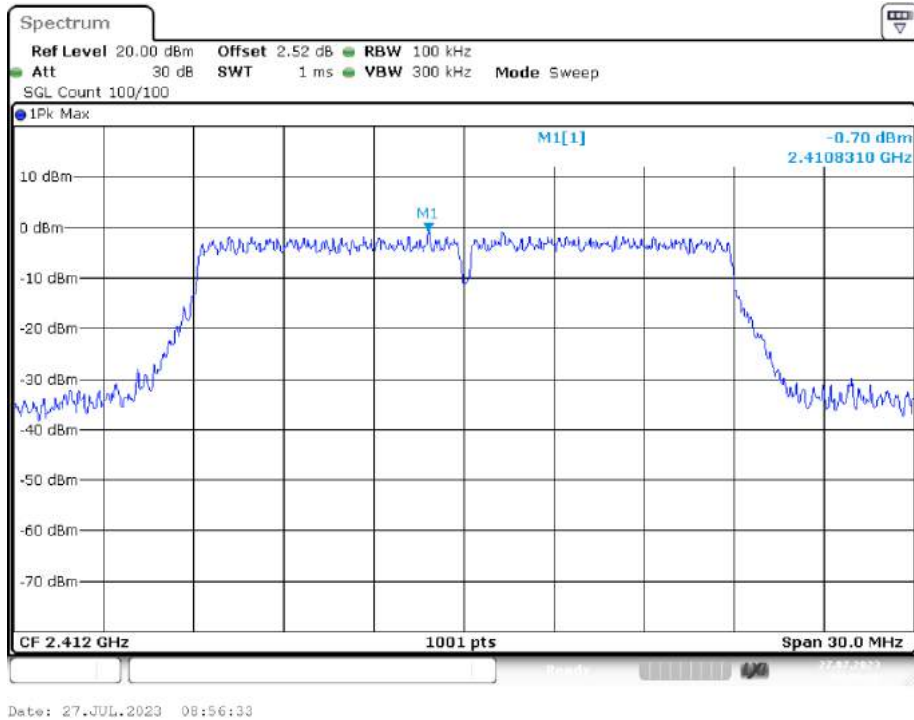
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Band Edge NVNT g 2462MHz Ant1 Emission

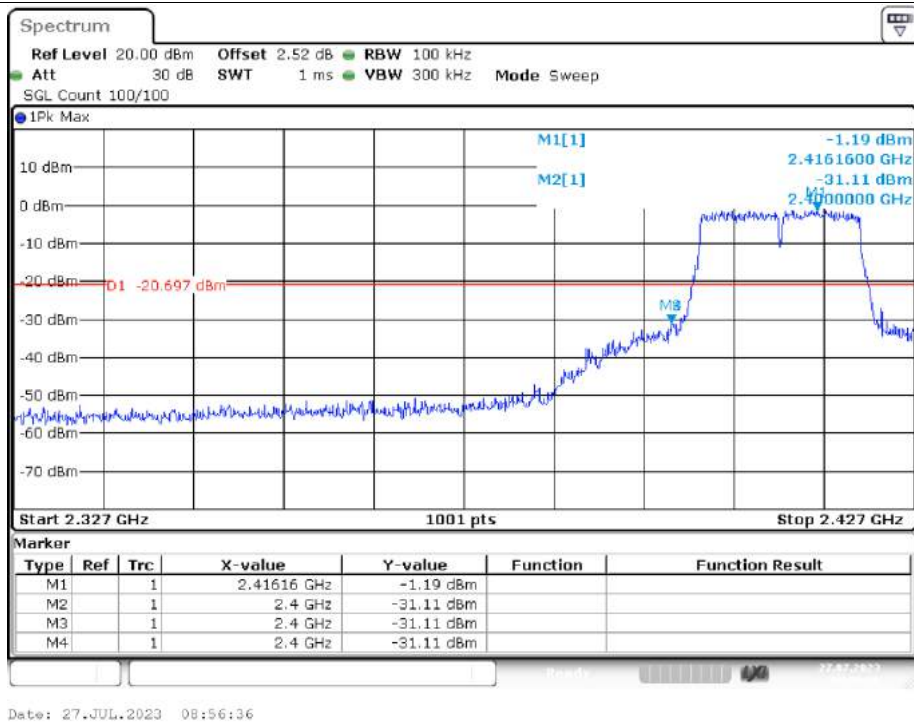


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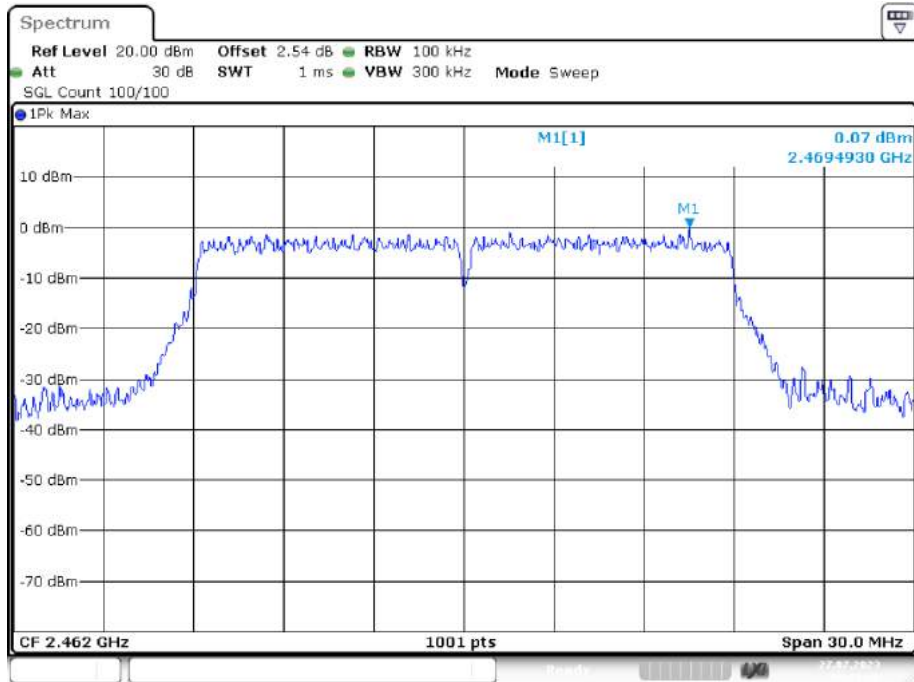
Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission

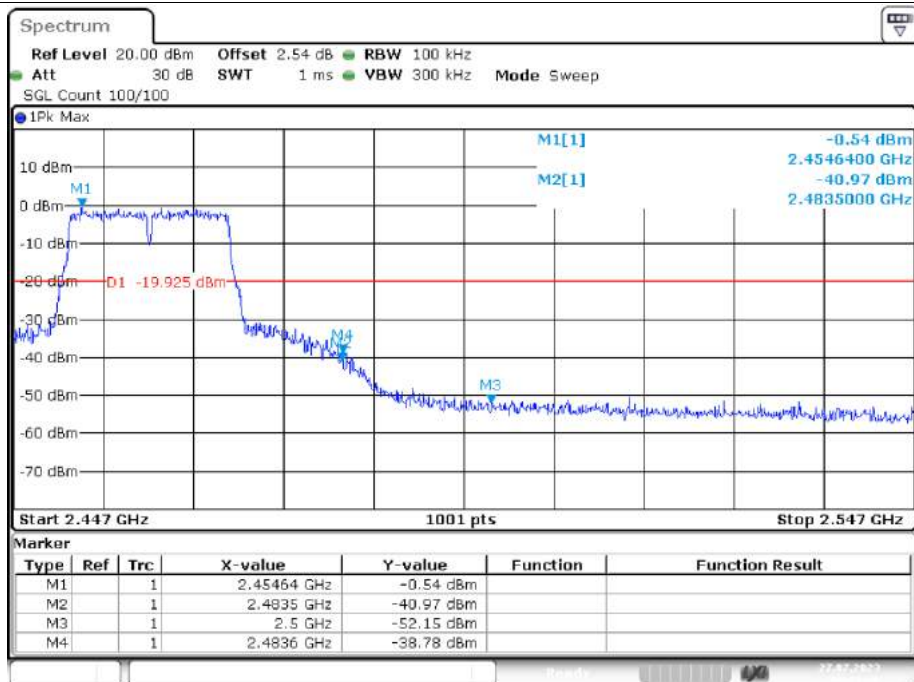


Band Edge NVNT n20 2462MHz Ant1 Ref



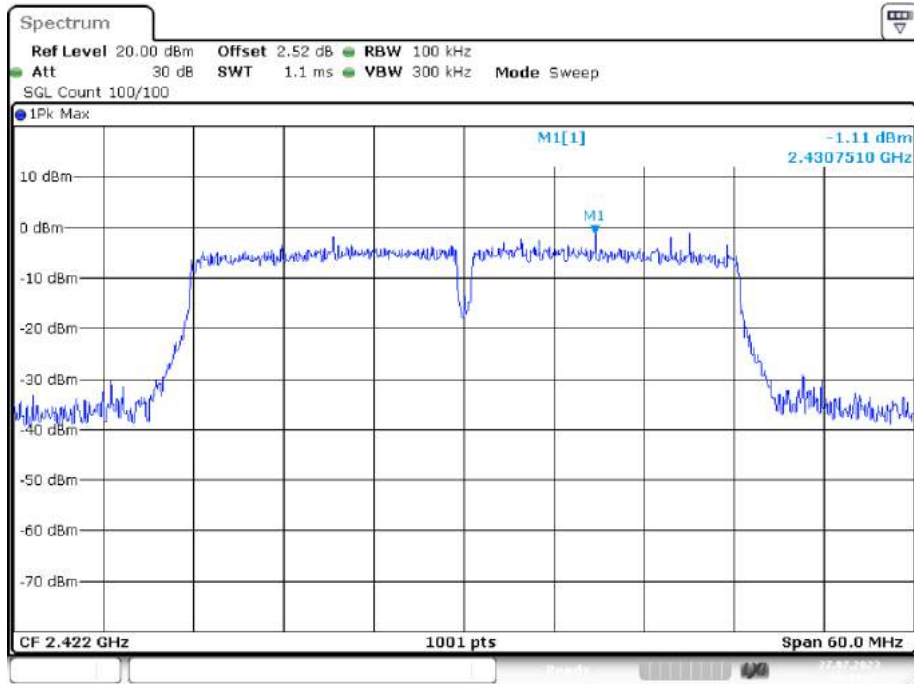
Date: 27.JUL.2023 09:05:12

Band Edge NVNT n20 2462MHz Ant1 Emission



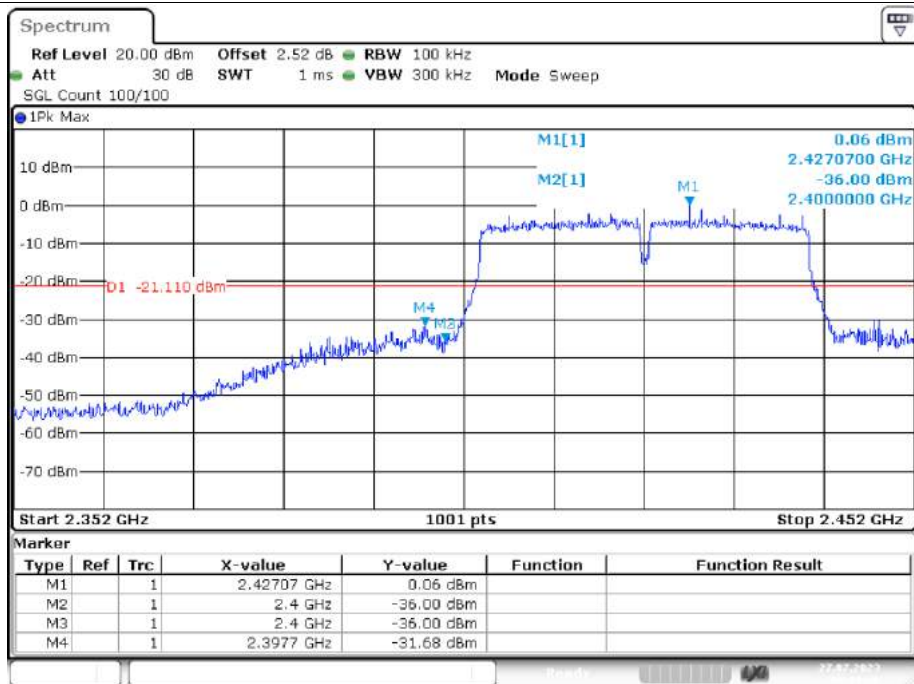
Date: 27.JUL.2023 09:05:15

Band Edge NVNT n40 2422MHz Ant1 Ref



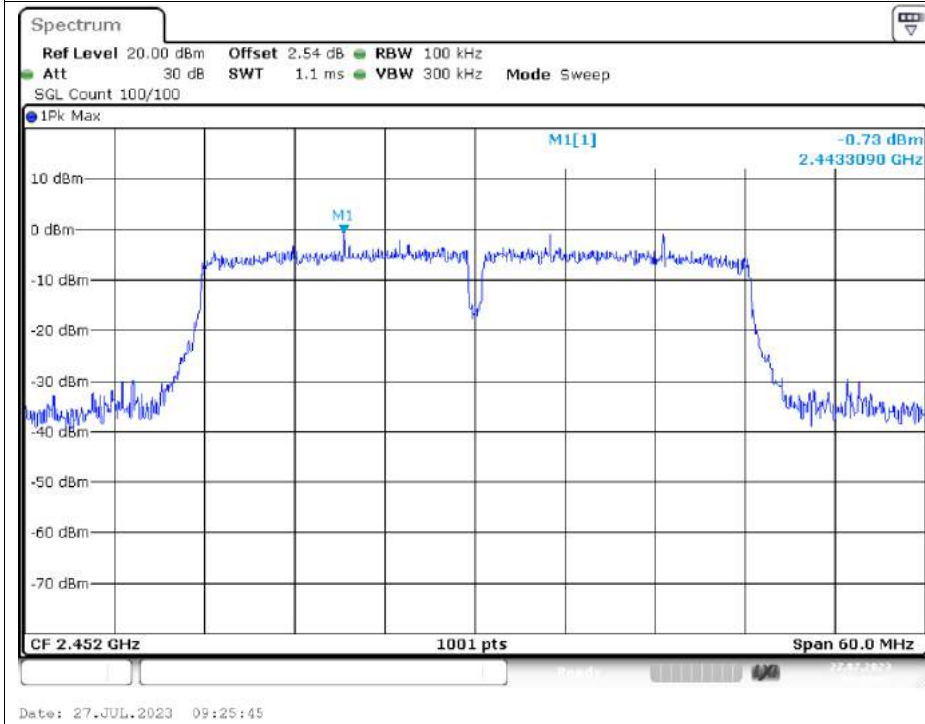
Date: 27-JUL-2023 09:14:15

Band Edge NVNT n40 2422MHz Ant1 Emission

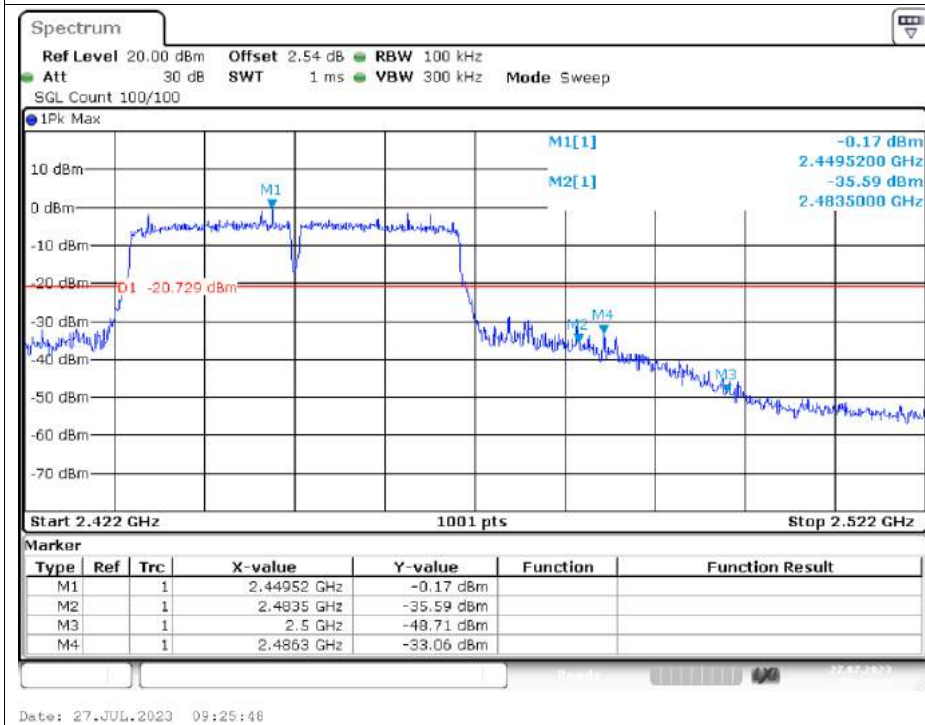


Date: 27-JUL-2023 09:14:19

Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission

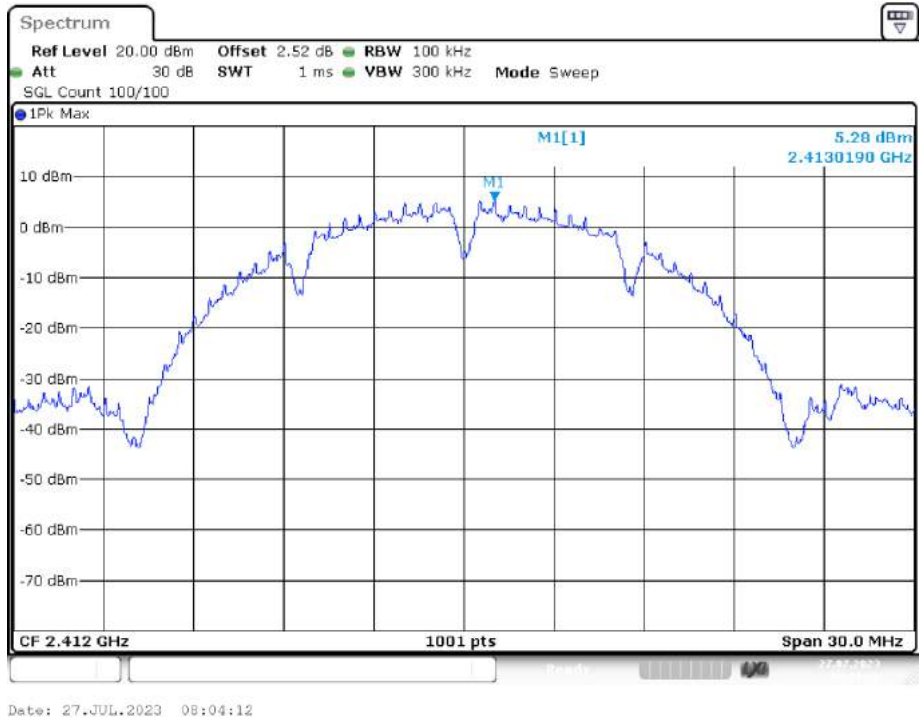


Conducted RF Spurious Emission

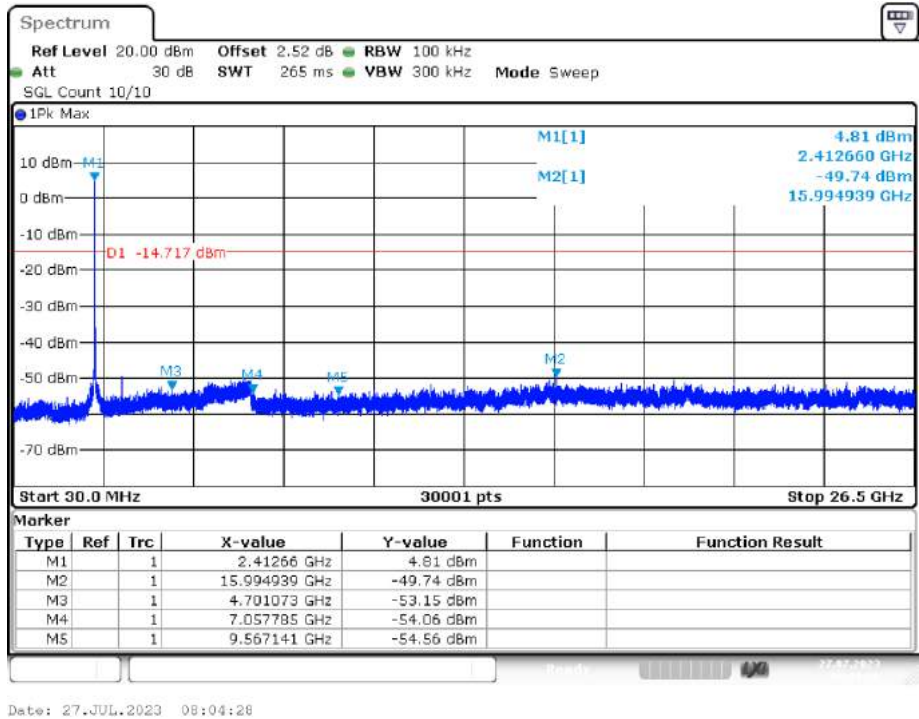
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-55.02	-20	Pass
NVNT	b	2437	Ant1	-55.86	-20	Pass
NVNT	b	2462	Ant1	-54.26	-20	Pass
NVNT	g	2412	Ant1	-52.02	-20	Pass
NVNT	g	2437	Ant1	-52.42	-20	Pass
NVNT	g	2462	Ant1	-52.39	-20	Pass
NVNT	n20	2412	Ant1	-52.06	-20	Pass
NVNT	n20	2437	Ant1	-52.64	-20	Pass
NVNT	n20	2462	Ant1	-49.51	-20	Pass
NVNT	n40	2422	Ant1	-48.7	-20	Pass
NVNT	n40	2437	Ant1	-48.49	-20	Pass
NVNT	n40	2452	Ant1	-49.31	-20	Pass

Test Graphs

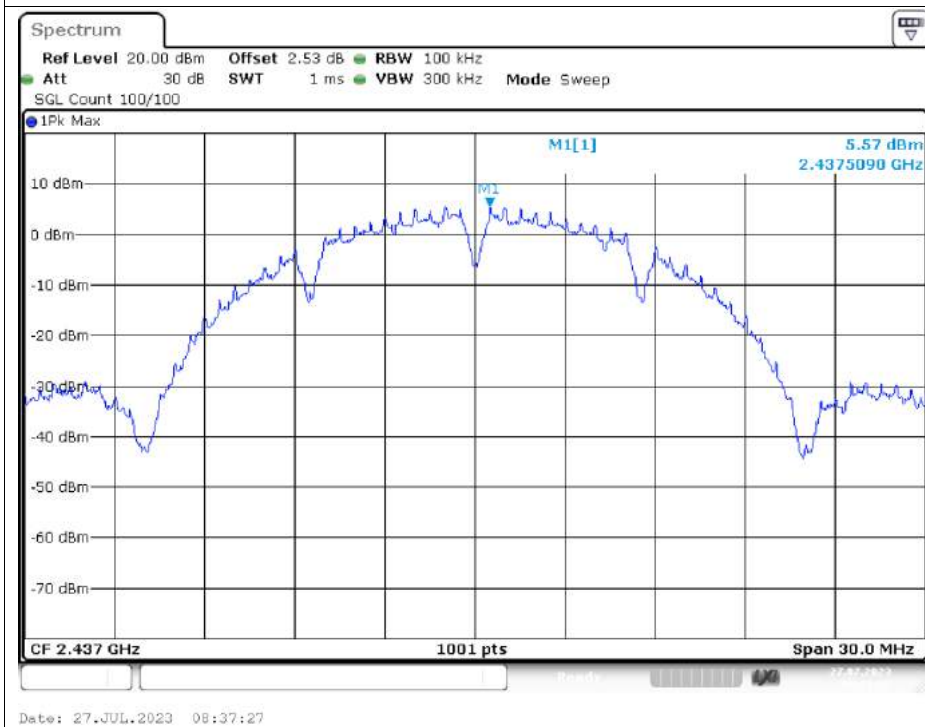
Tx. Spurious NVNT b 2412MHz Ant1 Ref



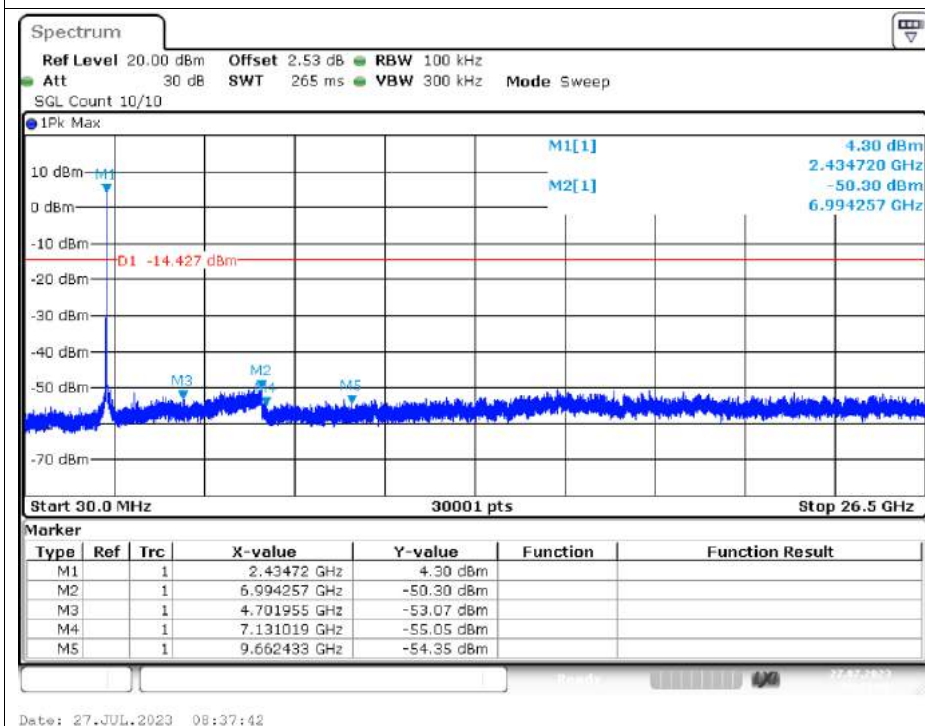
Tx. Spurious NVNT b 2412MHz Ant1 Emission



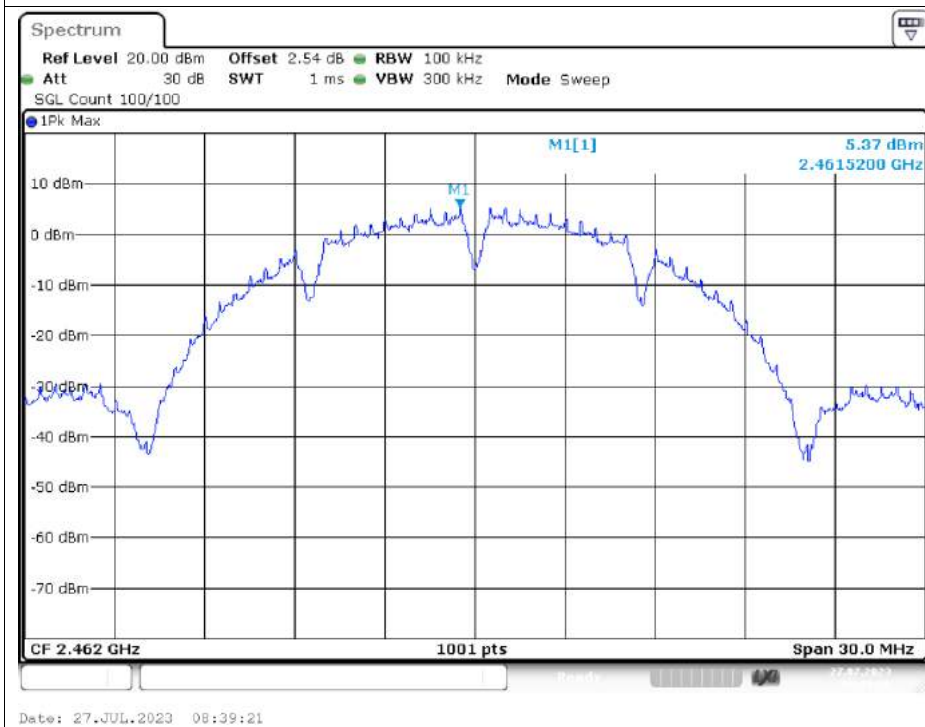
Tx. Spurious NVNT b 2437MHz Ant1 Ref



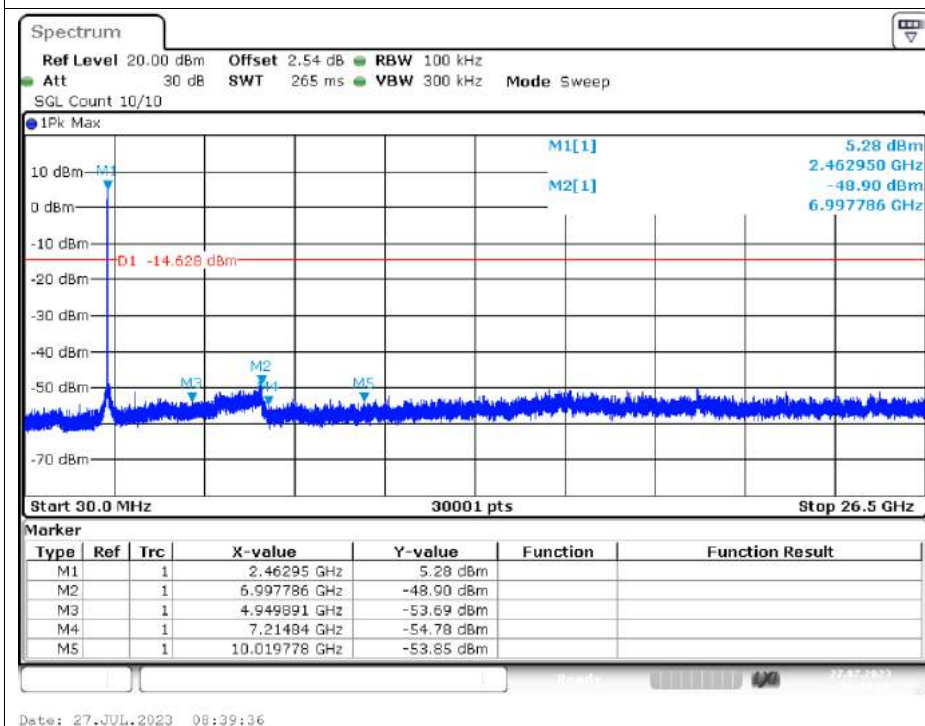
Tx. Spurious NVNT b 2437MHz Ant1 Emission



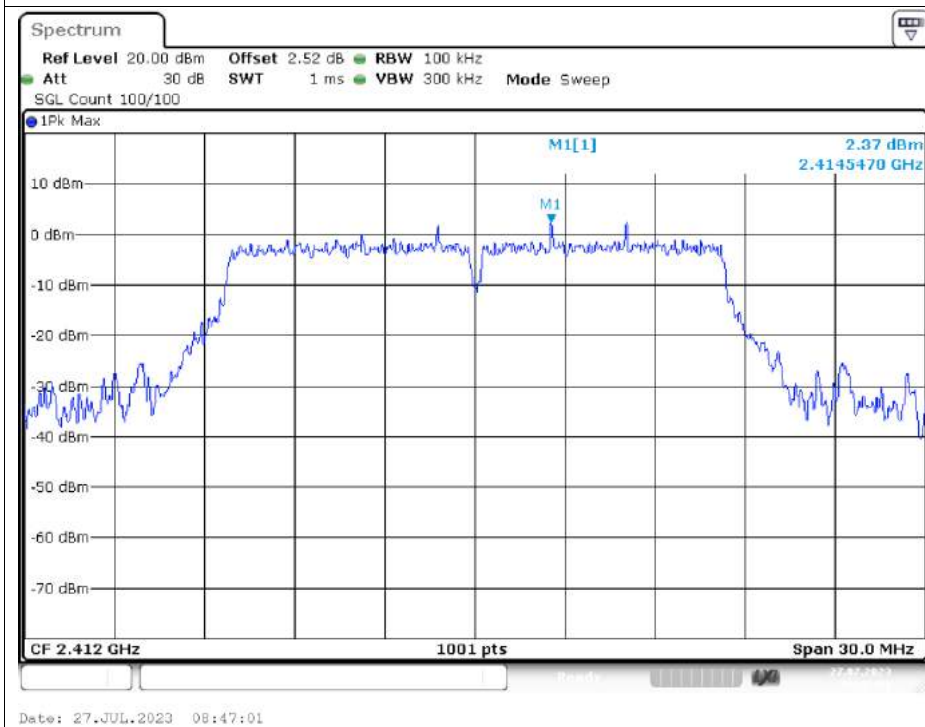
Tx. Spurious NVNT b 2462MHz Ant1 Ref



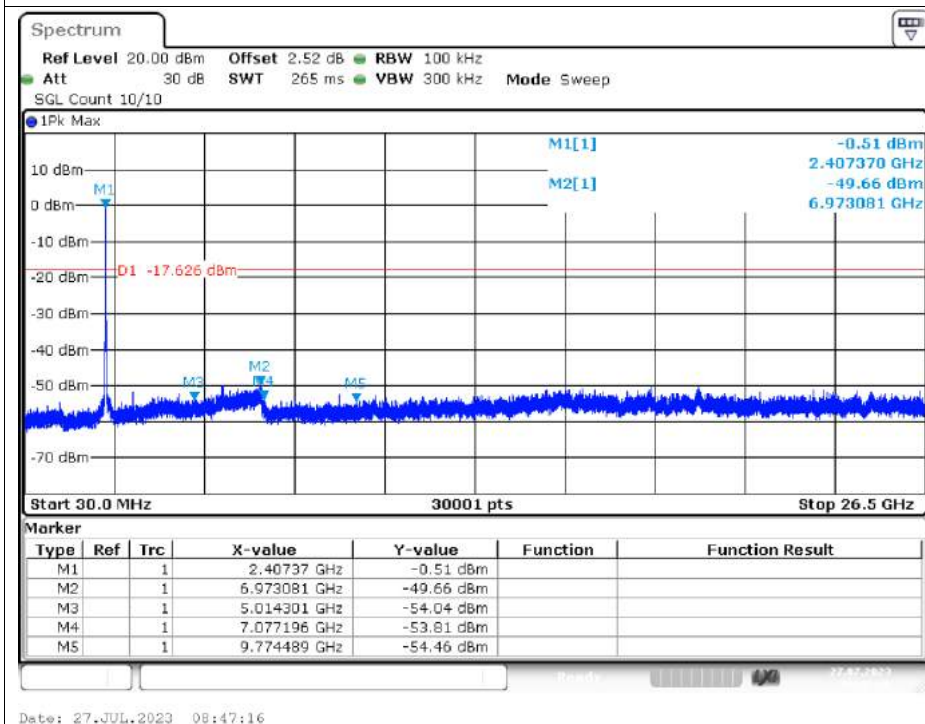
Tx. Spurious NVNT b 2462MHz Ant1 Emission



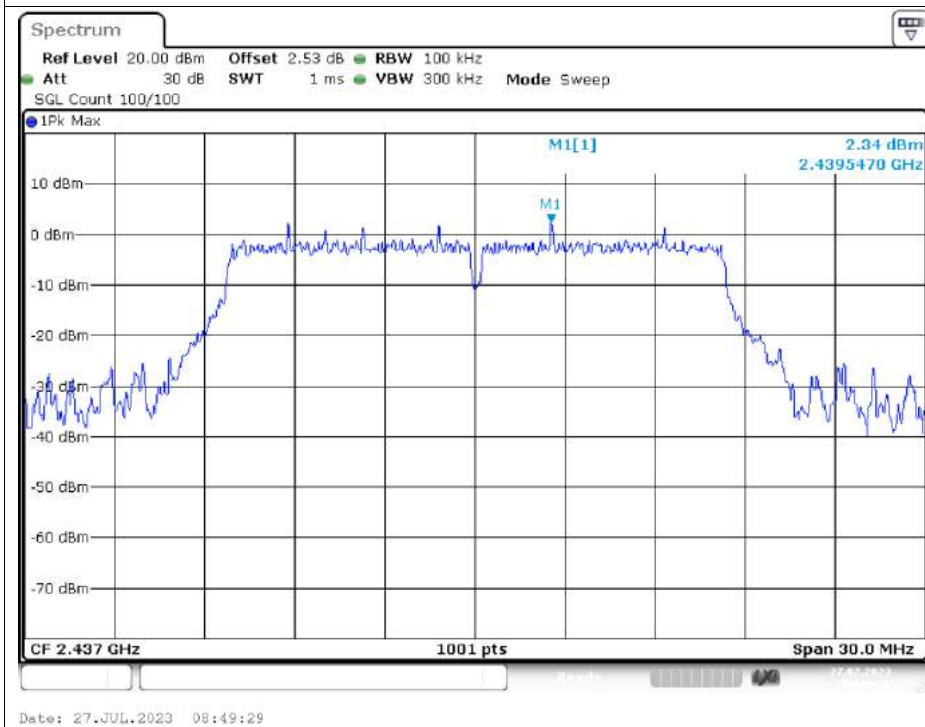
Tx. Spurious NVNT g 2412MHz Ant1 Ref



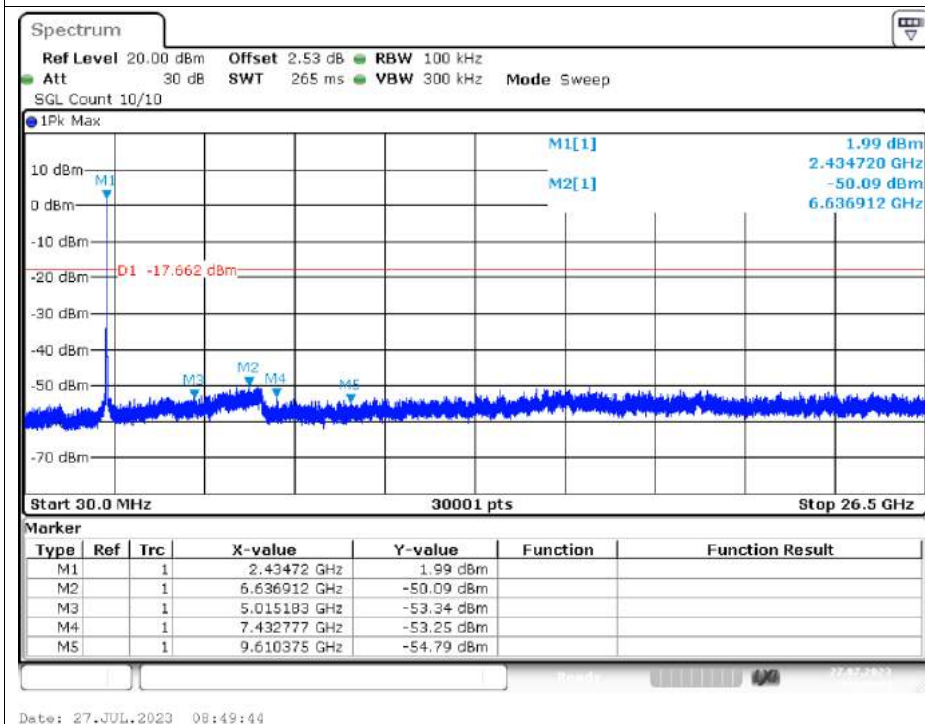
Tx. Spurious NVNT g 2412MHz Ant1 Emission



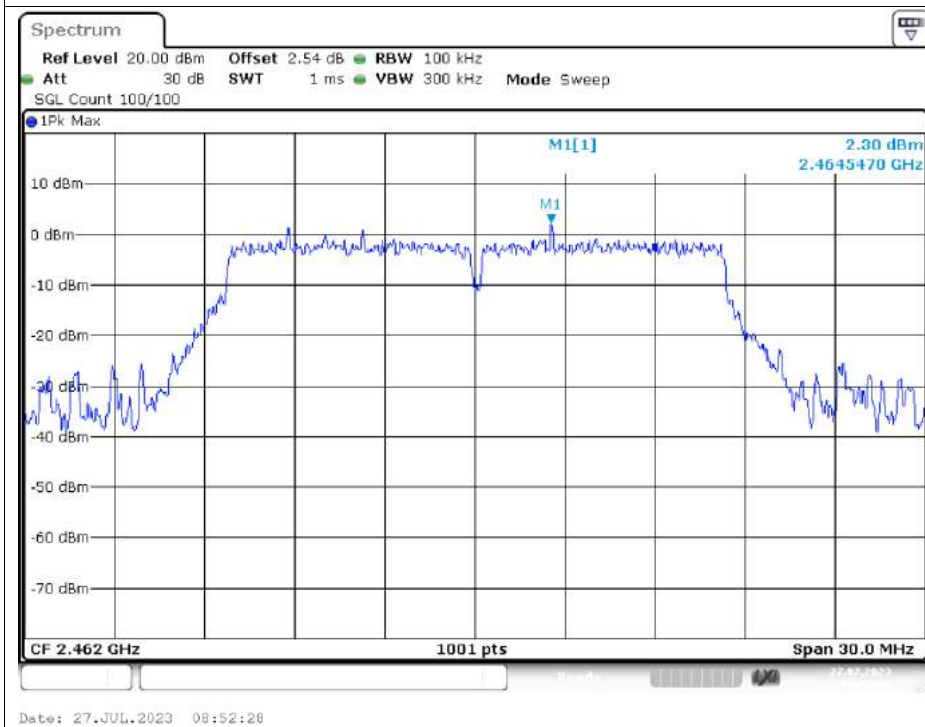
Tx. Spurious NVNT g 2437MHz Ant1 Ref



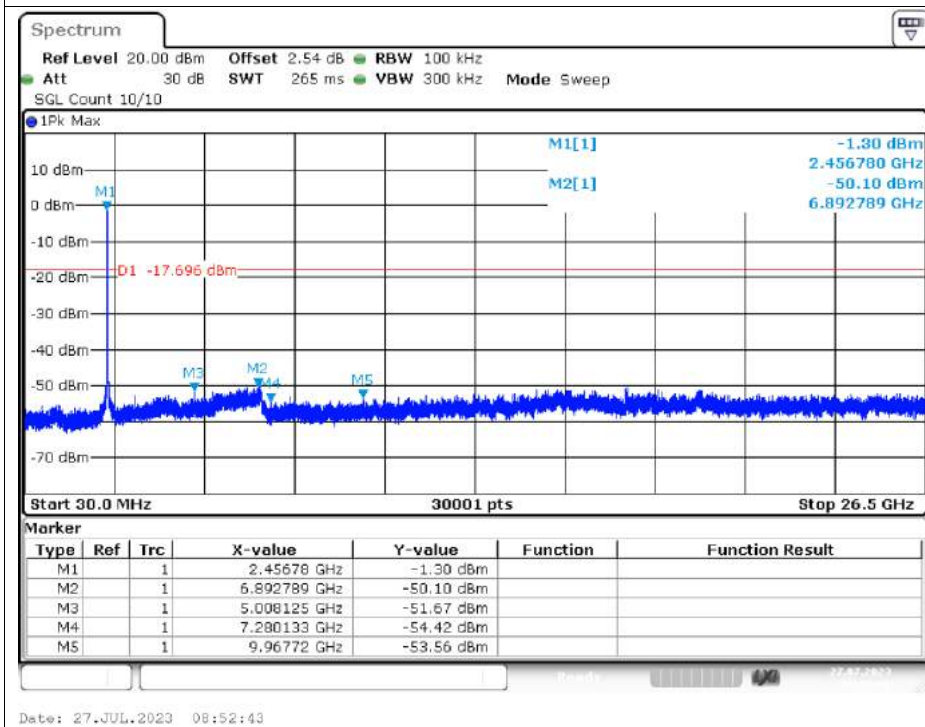
Tx. Spurious NVNT g 2437MHz Ant1 Emission



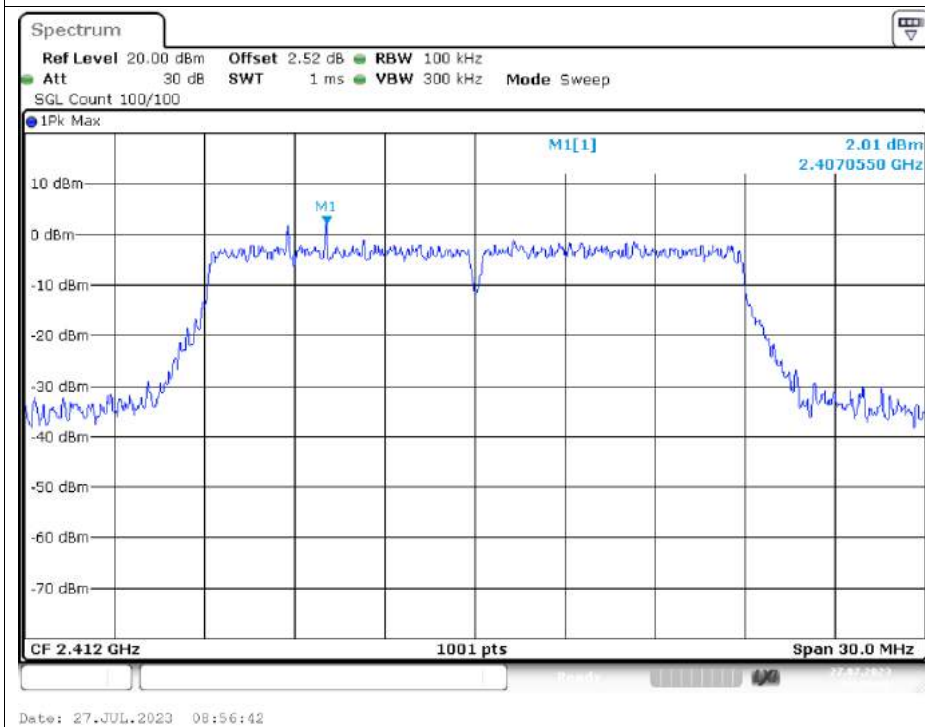
Tx. Spurious NVNT g 2462MHz Ant1 Ref



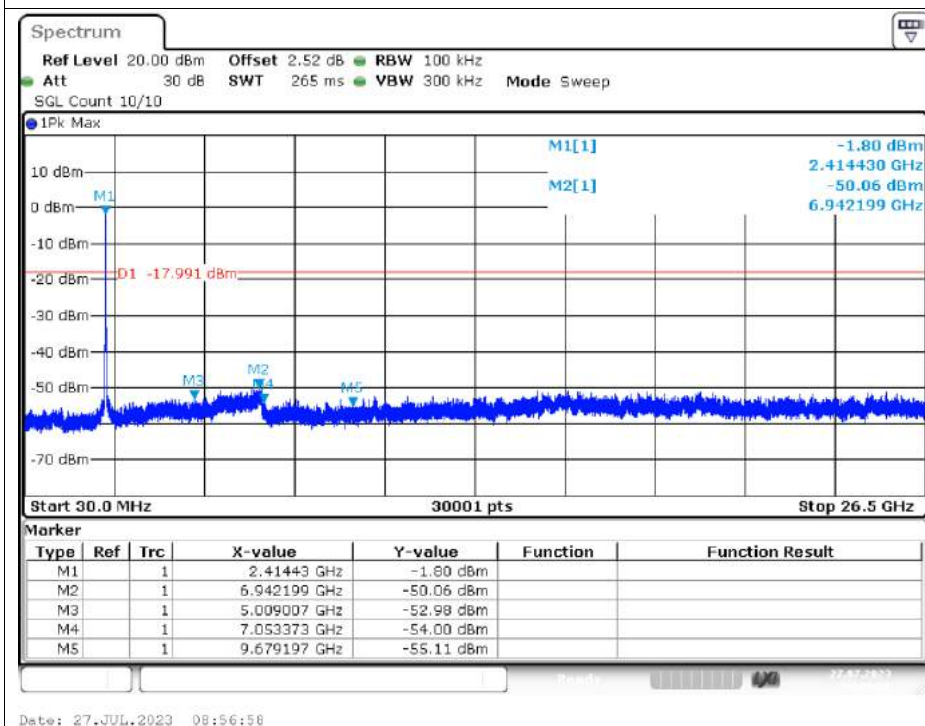
Tx. Spurious NVNT g 2462MHz Ant1 Emission



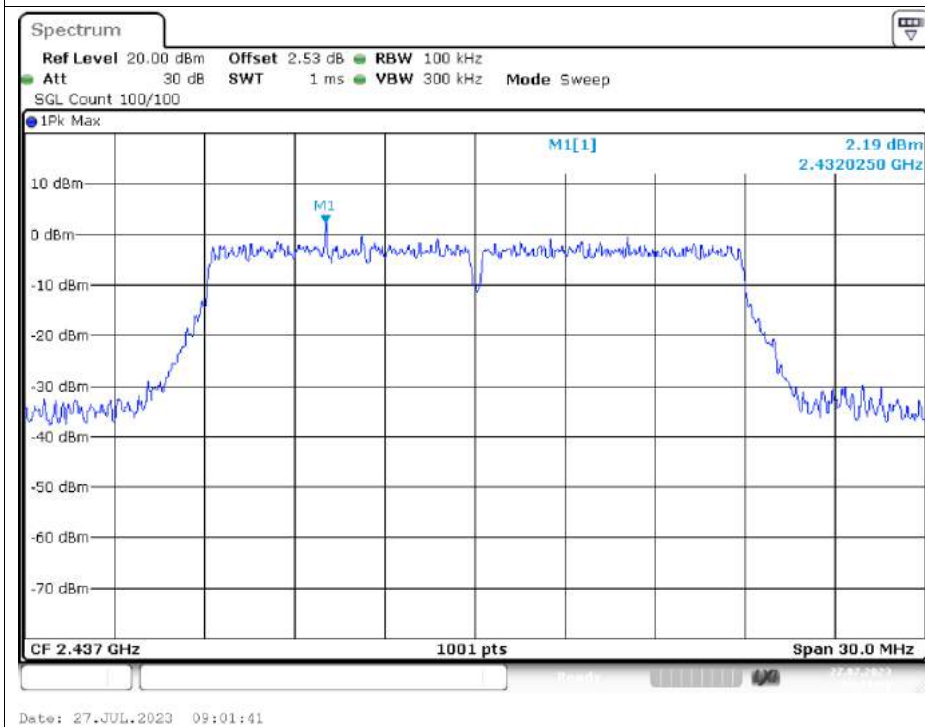
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



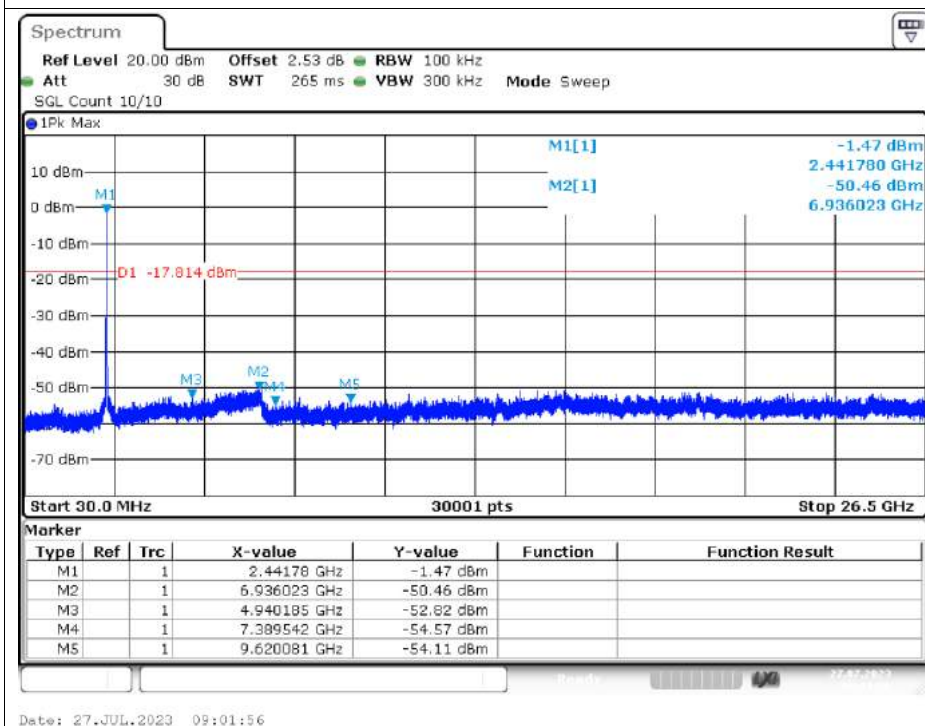
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



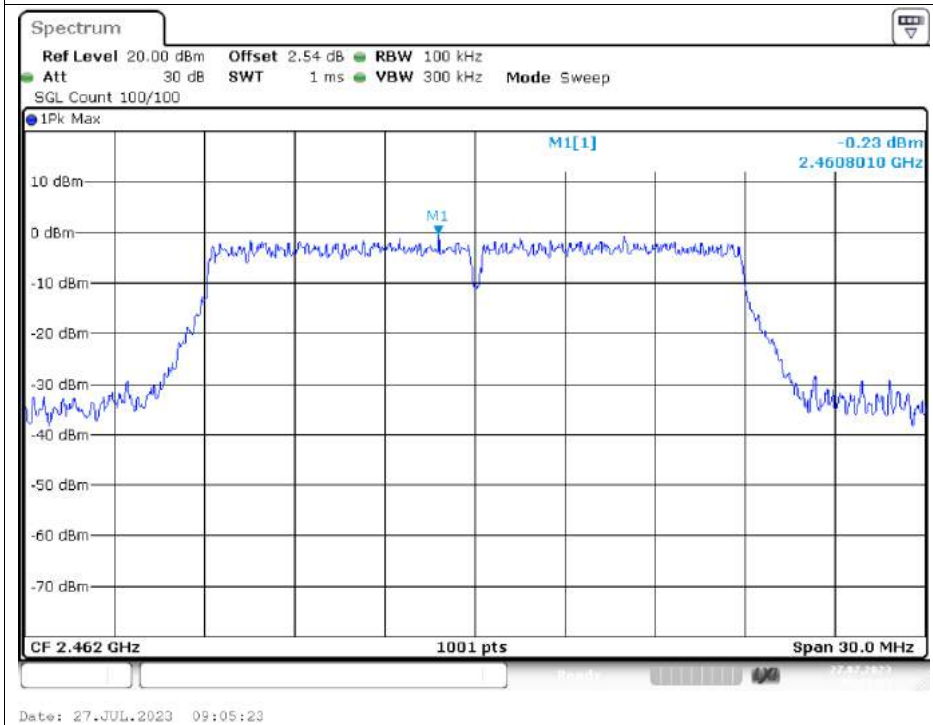
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



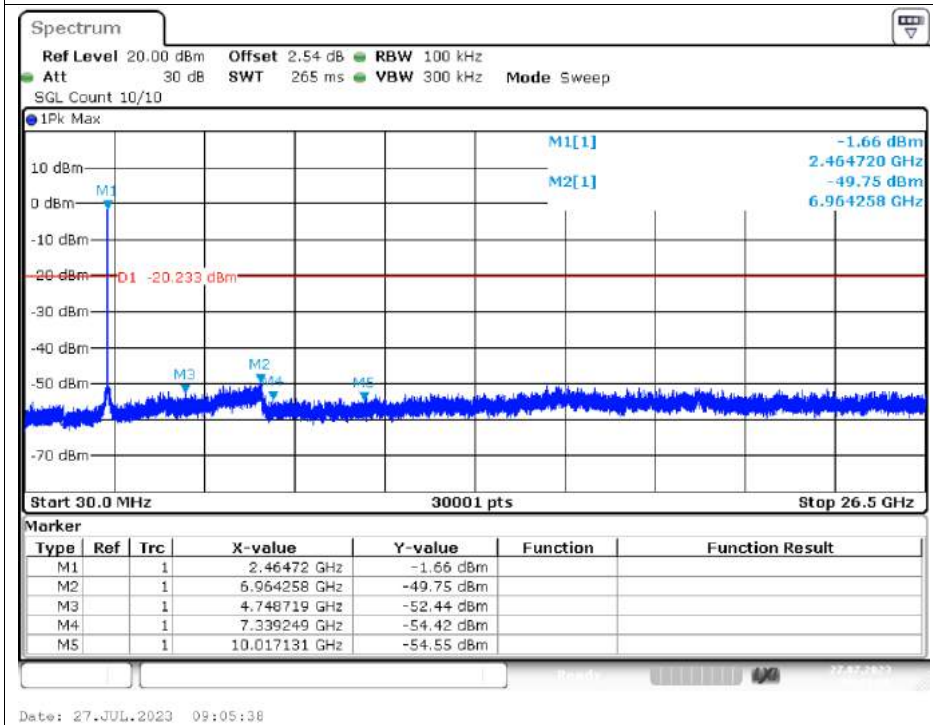
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



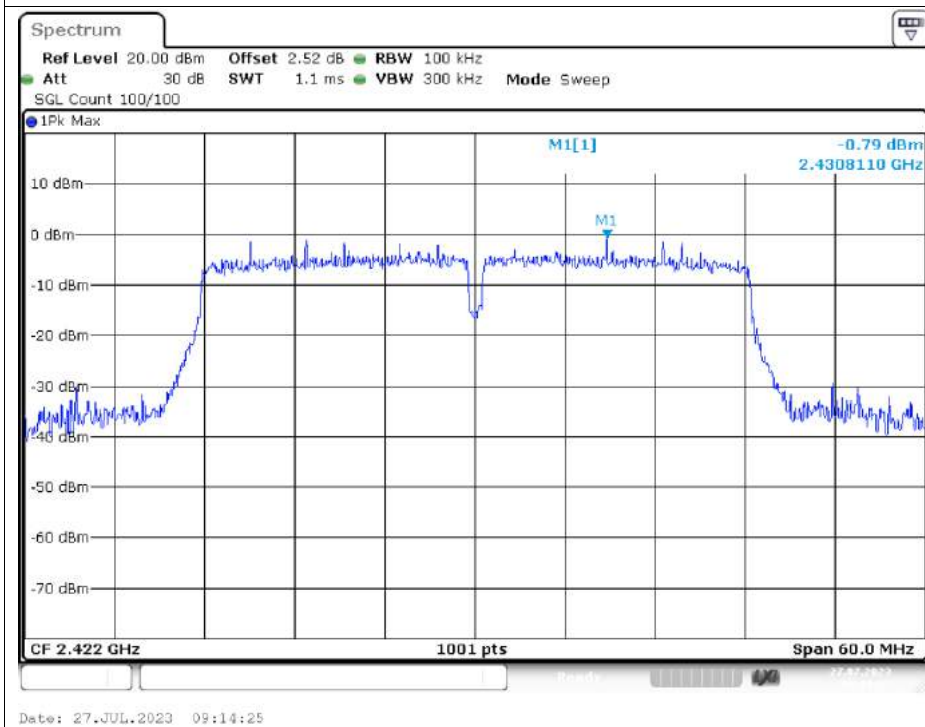
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



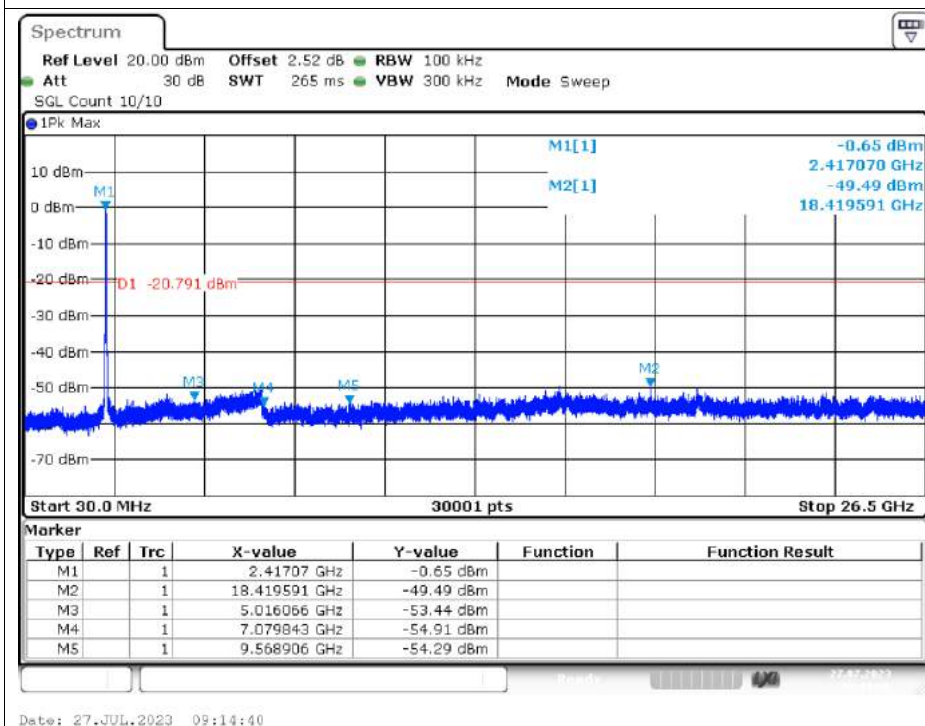
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



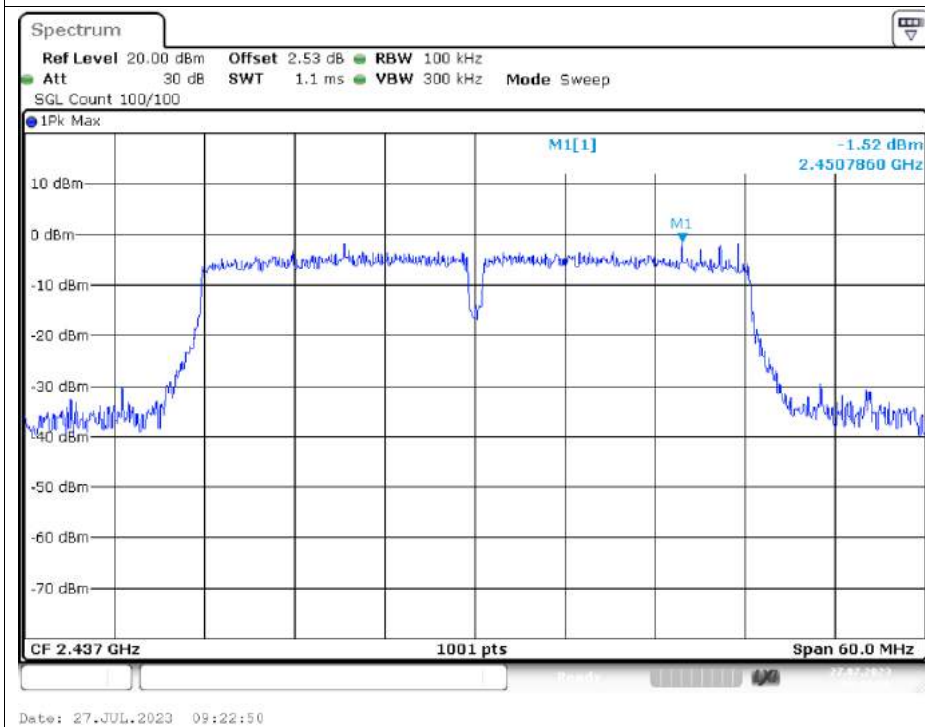
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



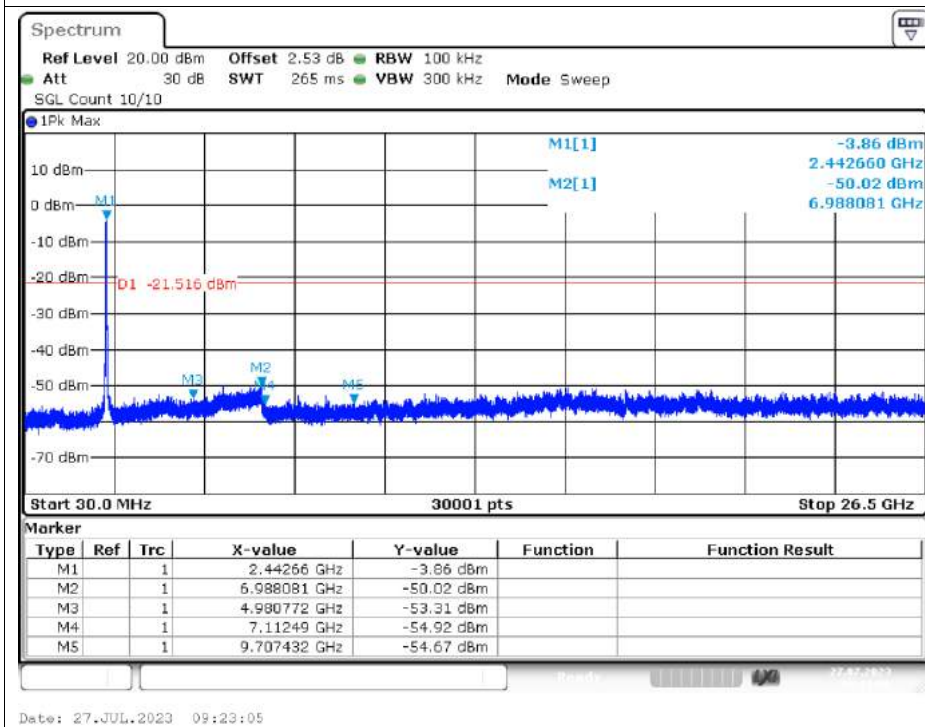
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



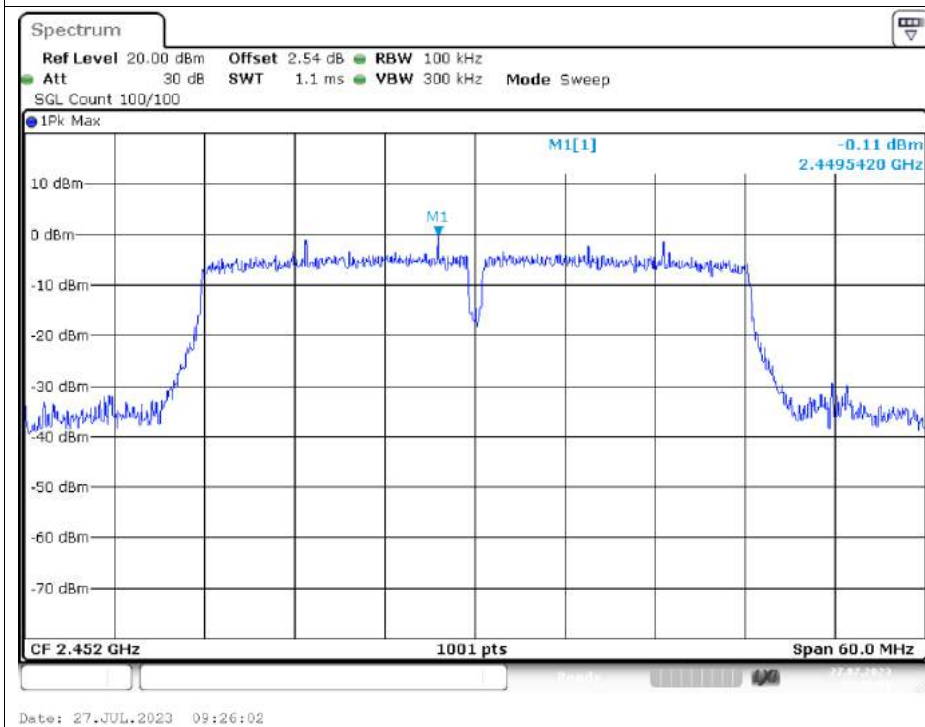
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



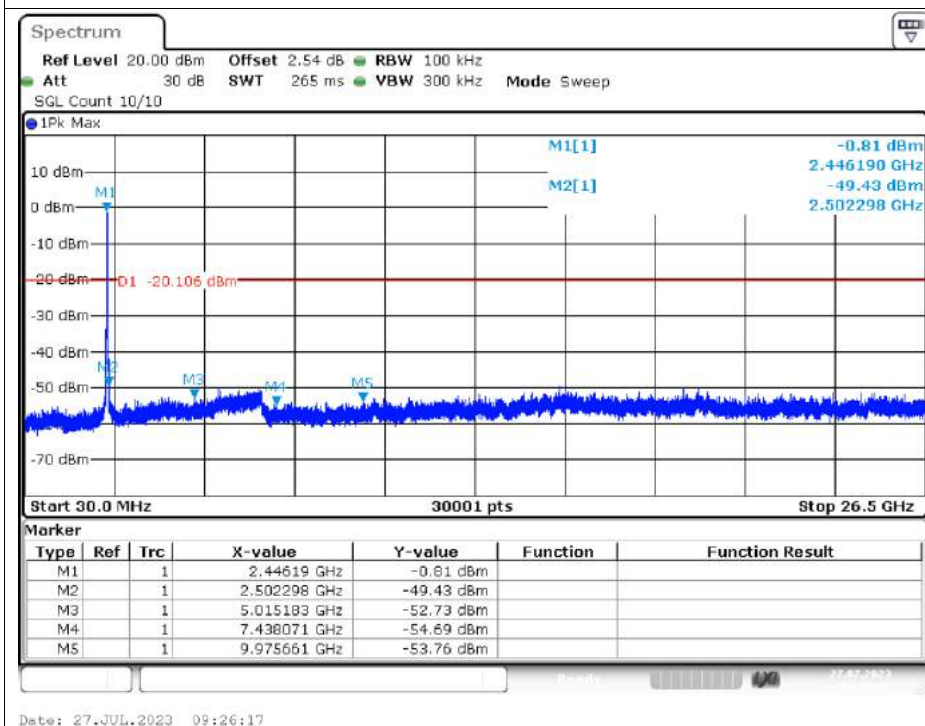
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission



7.5Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.79	0	0.12
NVNT	b	2437	Ant1	99.79	0	0.12
NVNT	b	2462	Ant1	99.79	0	0.12
NVNT	g	2412	Ant1	98.87	0	0.72
NVNT	g	2437	Ant1	98.87	0	0.72
NVNT	g	2462	Ant1	98.87	0	0.72
NVNT	n20	2412	Ant1	99.69	0	0.2
NVNT	n20	2437	Ant1	99.65	0	0.2
NVNT	n20	2462	Ant1	99.69	0	0.2
NVNT	n40	2422	Ant1	99.36	0	0.4
NVNT	n40	2437	Ant1	99.36	0	0.4
NVNT	n40	2452	Ant1	99.36	0	0.4

