

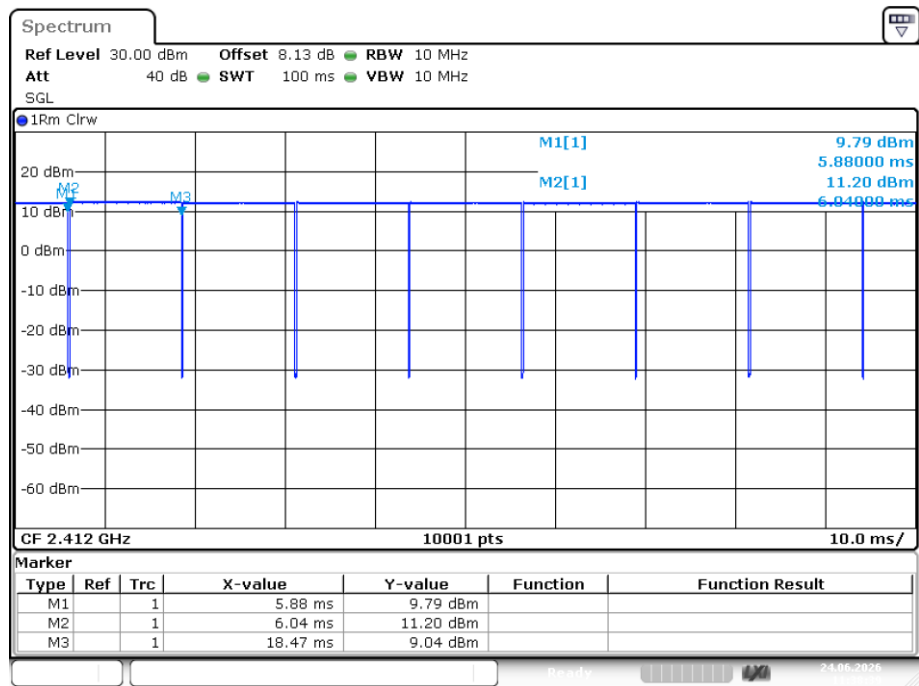
Appendix of 2.4GWIFI data

FCC ID: SY4-A02077

Duty Cycle

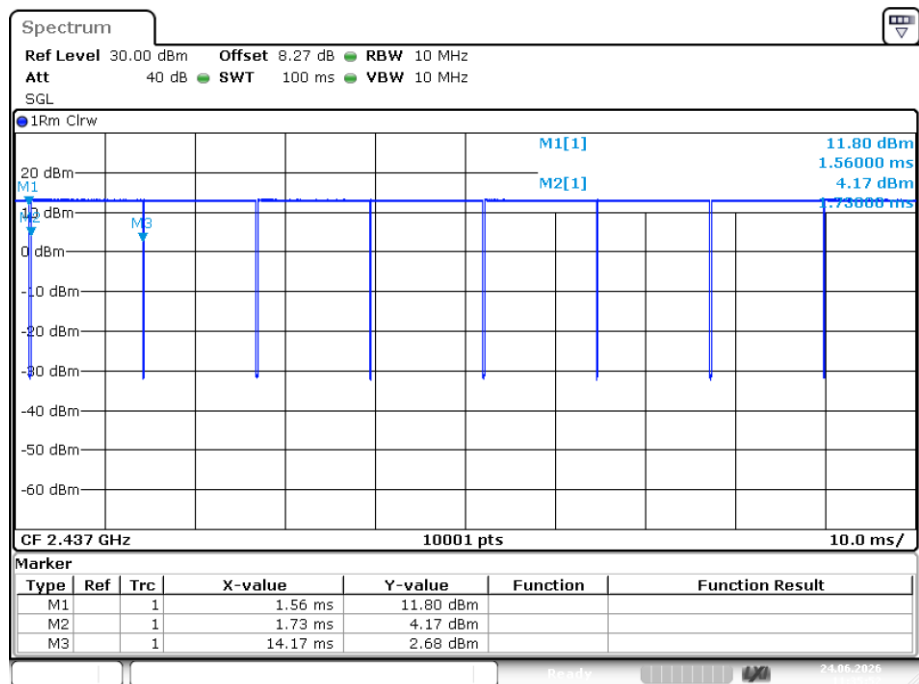
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	98.73	0.06
NVNT	b	2437	Ant1	98.65	0.06
NVNT	b	2462	Ant1	98.73	0.06
NVNT	g	2412	Ant1	98.57	0.06
NVNT	g	2437	Ant1	98.10	0.08
NVNT	g	2462	Ant1	98.10	0.08
NVNT	n20	2412	Ant1	97.96	0.09
NVNT	n20	2437	Ant1	97.96	0.09
NVNT	n20	2462	Ant1	98.47	0.07

Duty Cycle NVNT b 2412MHz Ant1



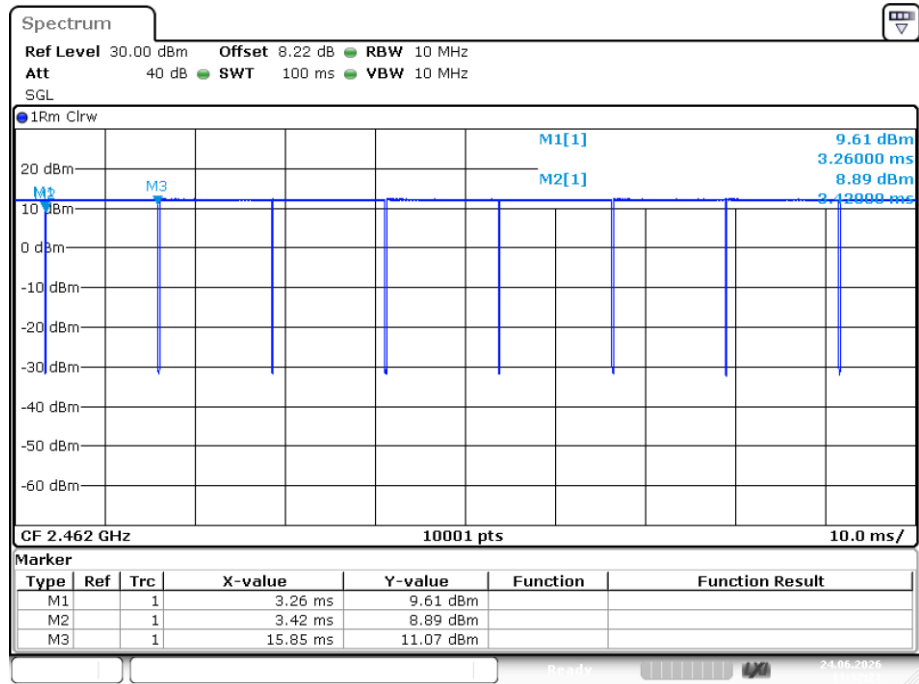
Date: 24.JUN.2026 11:38:39

Duty Cycle NVNT b 2437MHz Ant1



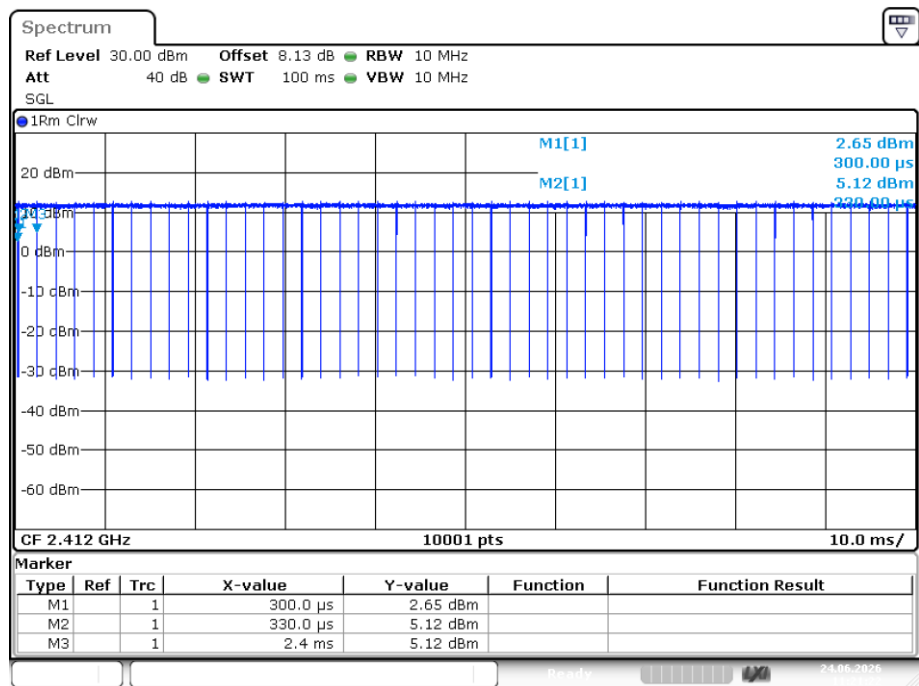
Date: 24.JUN.2026 11:35:51

Duty Cycle NVNT b 2462MHz Ant1



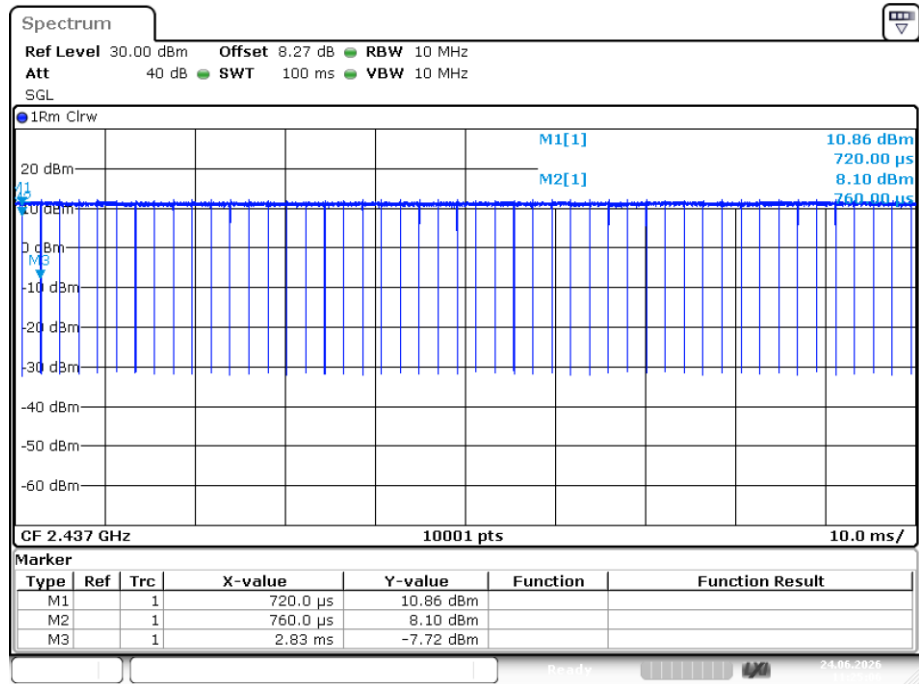
Date: 24.JUN.2026 11:32:21

Duty Cycle NVNT g 2412MHz Ant1

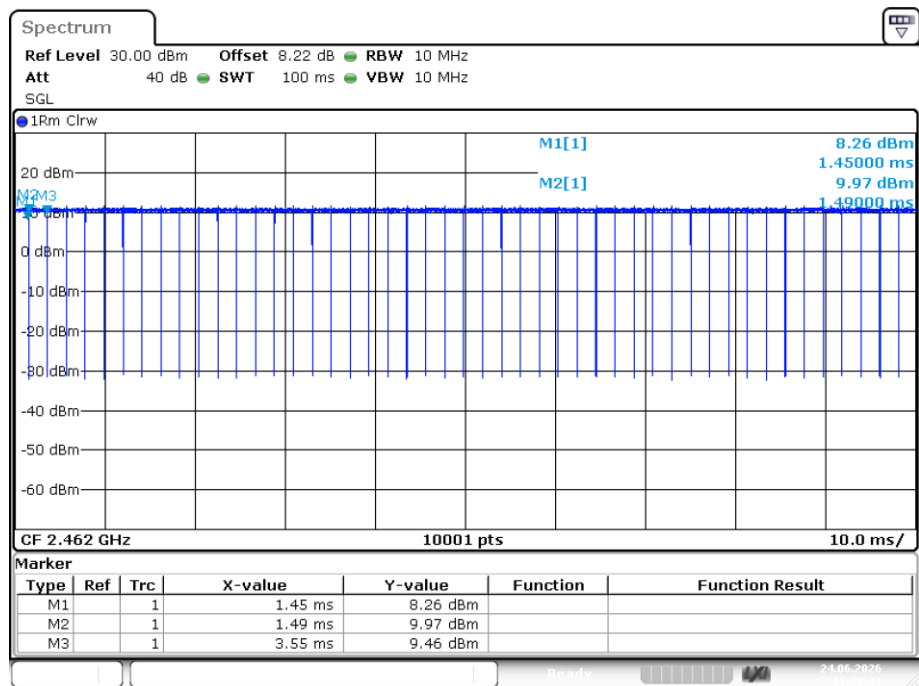


Date: 24.JUN.2026 11:21:22

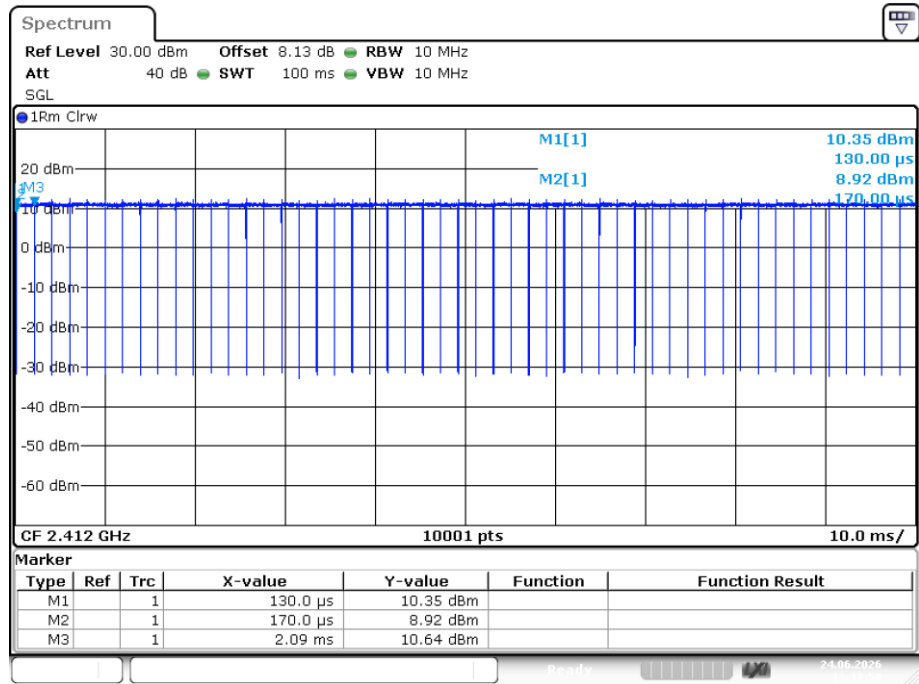
Duty Cycle NVNT g 2437MHz Ant1



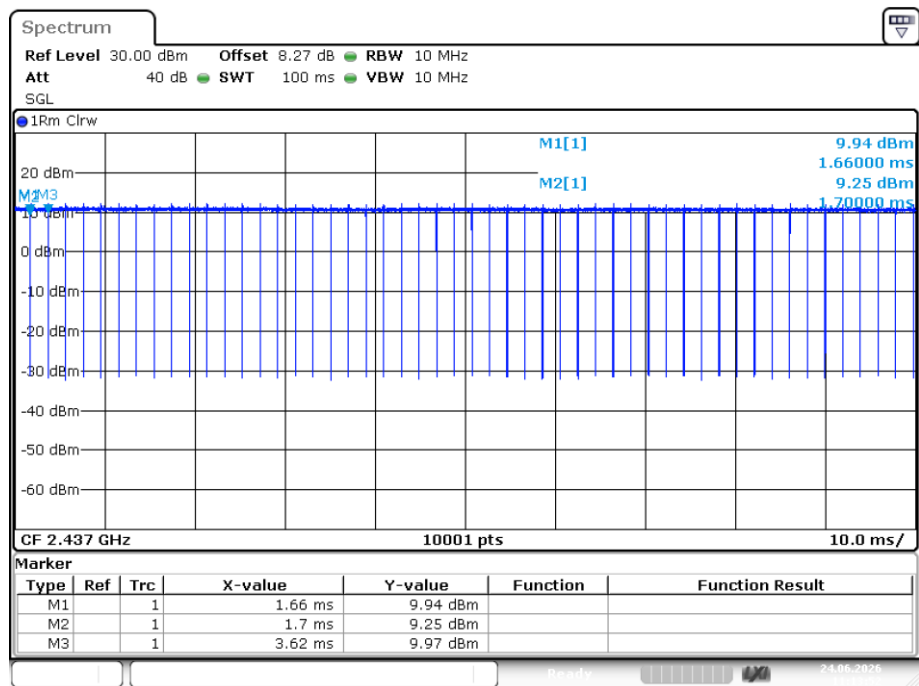
Duty Cycle NVNT g 2462MHz Ant1



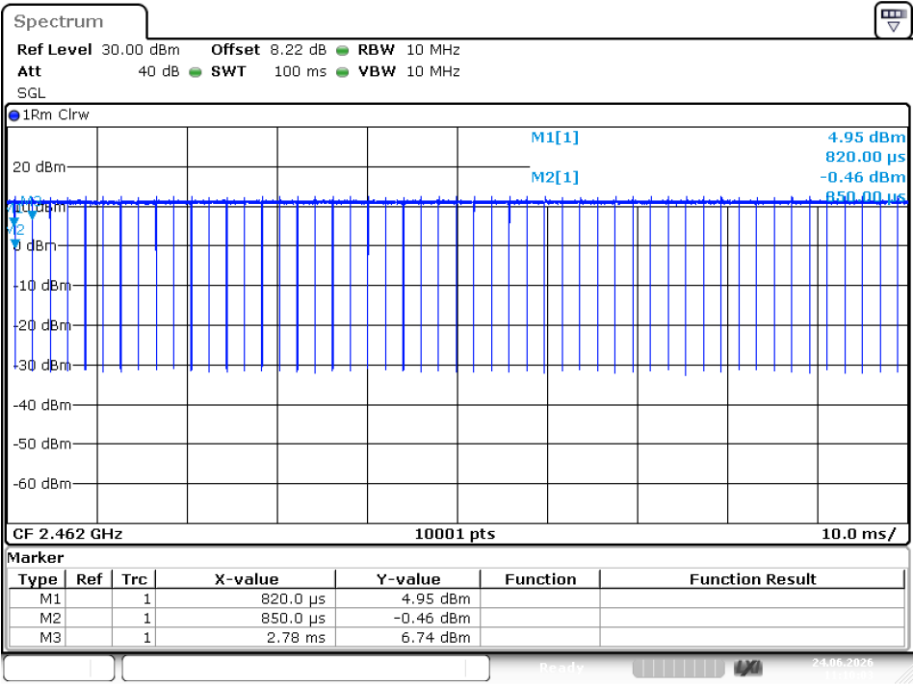
Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1



Duty Cycle NVNT n20 2462MHz Ant1

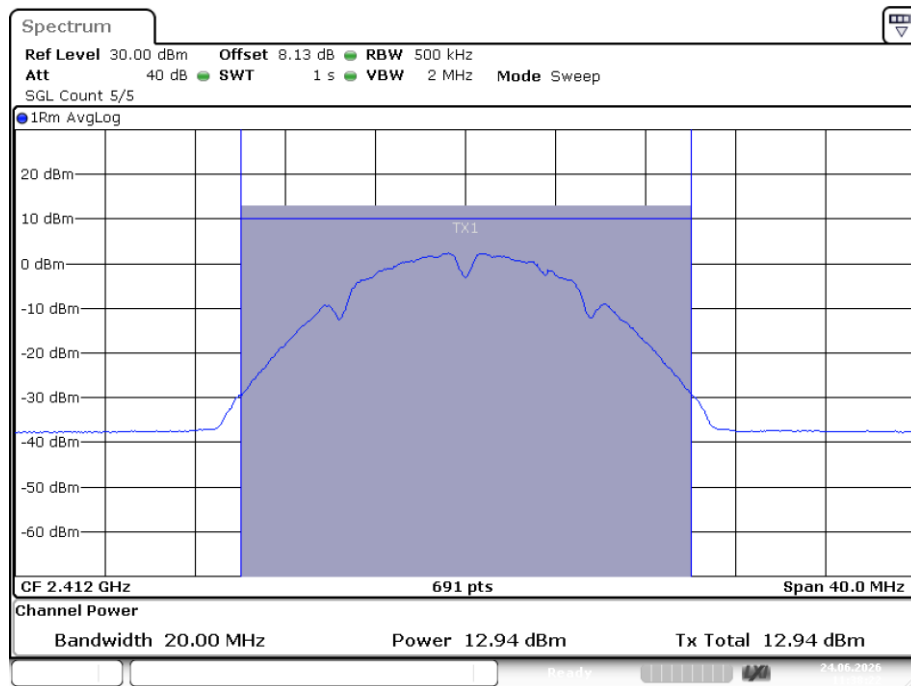


Date: 24.JUN.2026 11:10:03

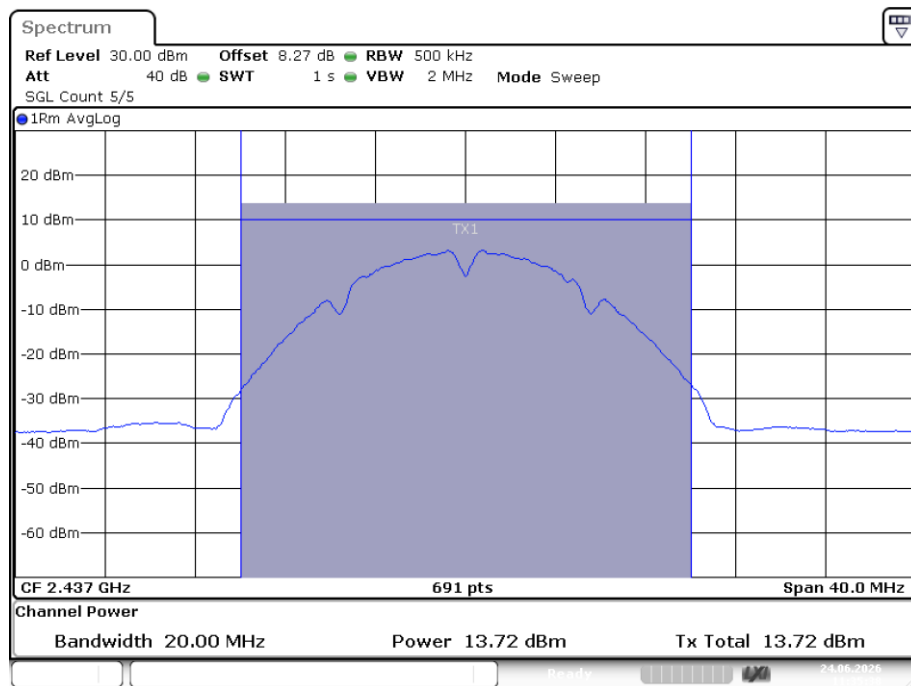
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	12.94	0.06	13.00	30	Pass
NVNT	b	2437	Ant1	13.72	0.06	13.78	30	Pass
NVNT	b	2462	Ant1	12.97	0.06	13.03	30	Pass
NVNT	g	2412	Ant1	13.23	0.06	13.29	30	Pass
NVNT	g	2437	Ant1	13.17	0.08	13.25	30	Pass
NVNT	g	2462	Ant1	12.42	0.08	12.50	30	Pass
NVNT	n20	2412	Ant1	13.38	0.09	13.47	30	Pass
NVNT	n20	2437	Ant1	12.97	0.09	13.06	30	Pass
NVNT	n20	2462	Ant1	12.80	0.07	12.87	30	Pass

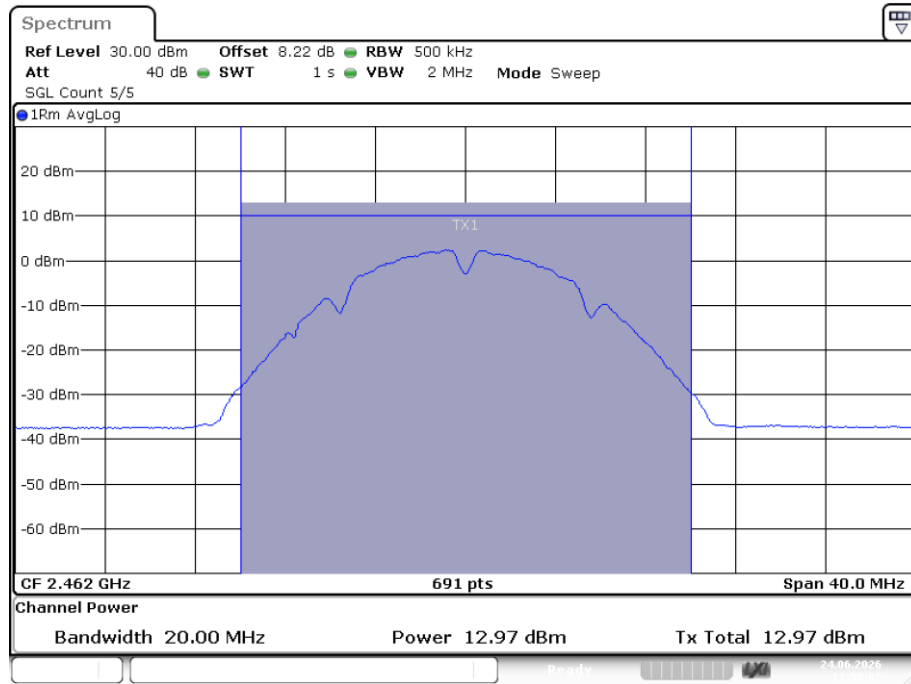
Power NVNT b 2412MHz Ant1



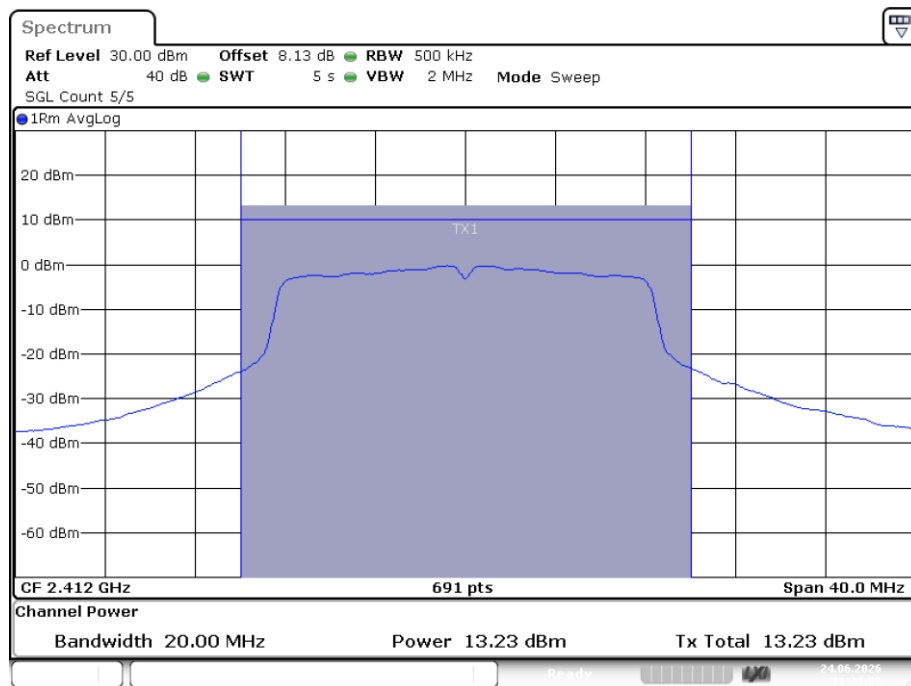
Power NVNT b 2437MHz Ant1



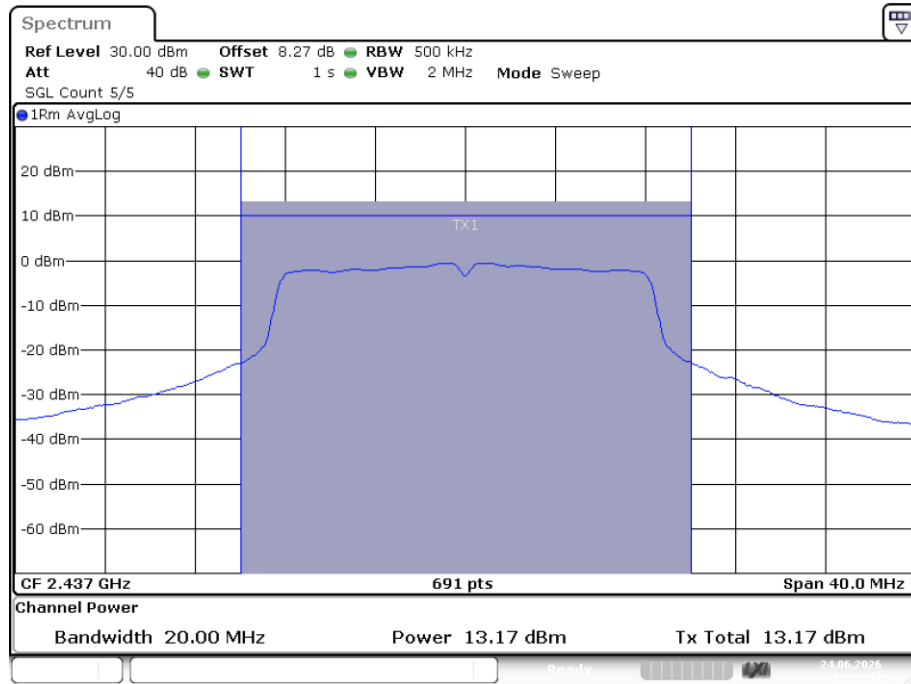
Power NVNT b 2462MHz Ant1



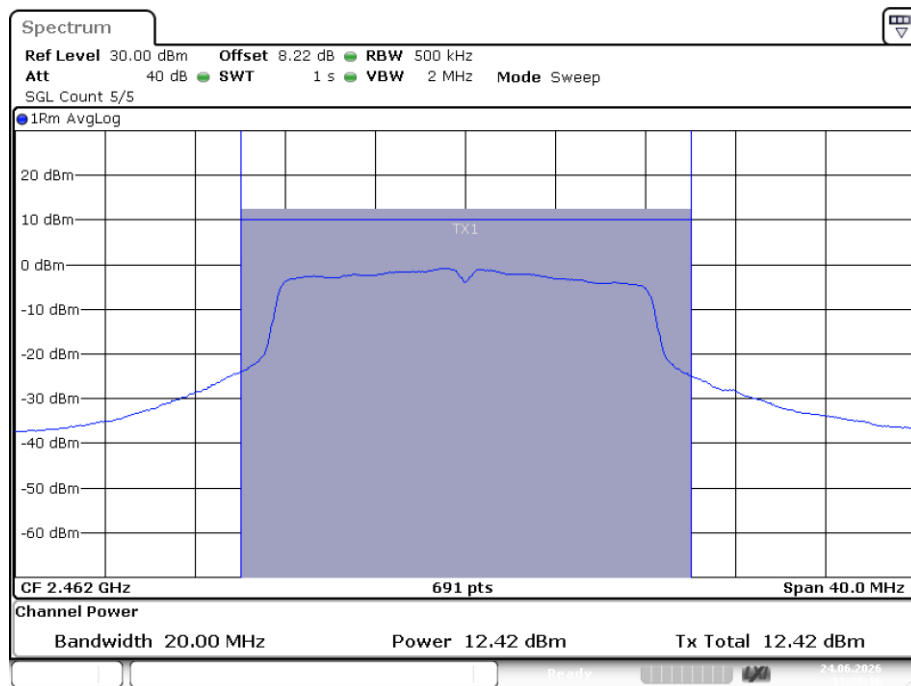
Power NVNT g 2412MHz Ant1



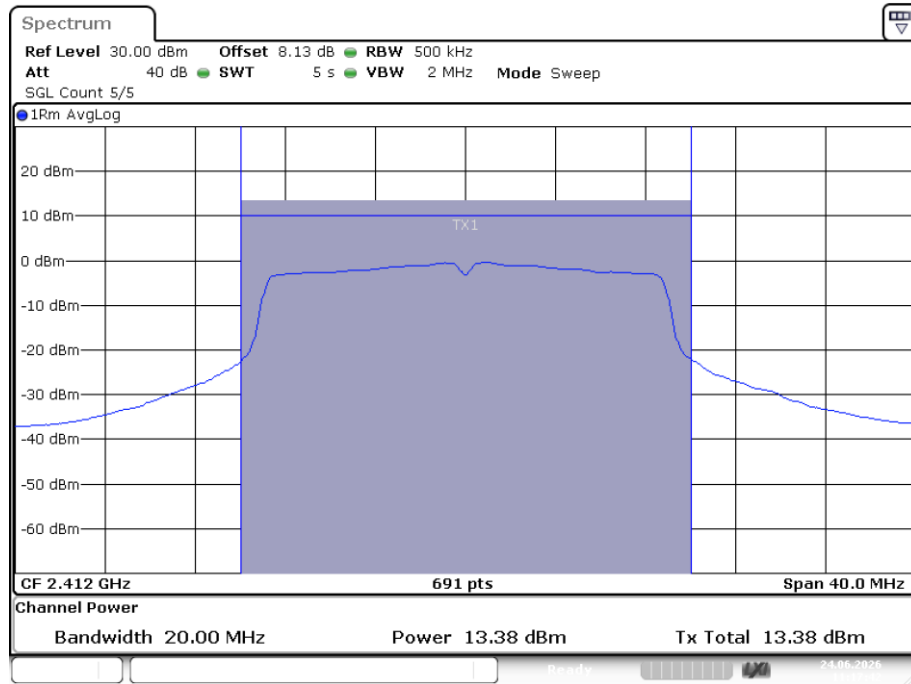
Power NVNT g 2437MHz Ant1



Power NVNT g 2462MHz Ant1

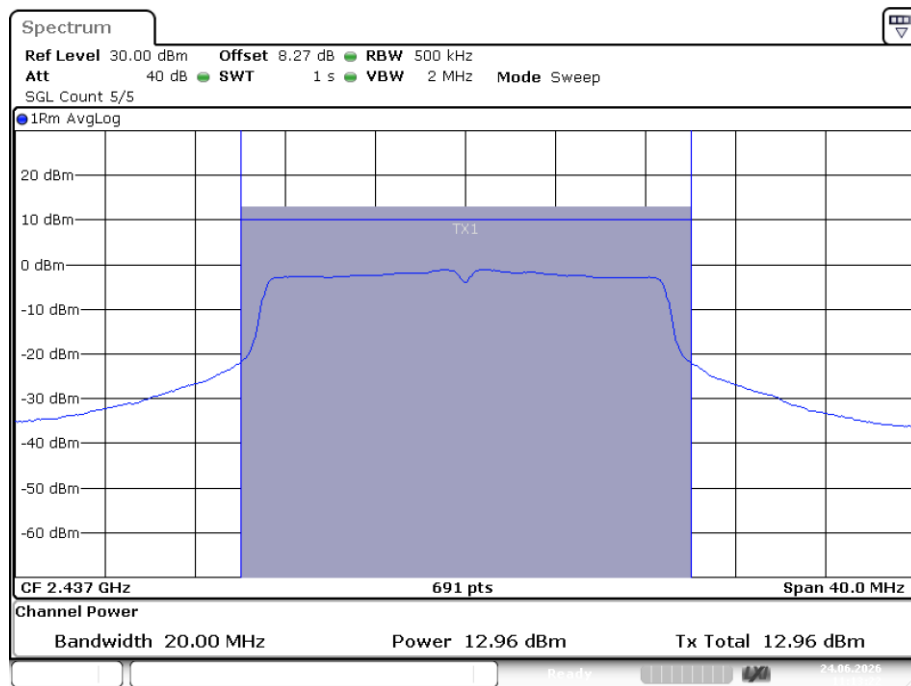


Power NVNT n20 2412MHz Ant1



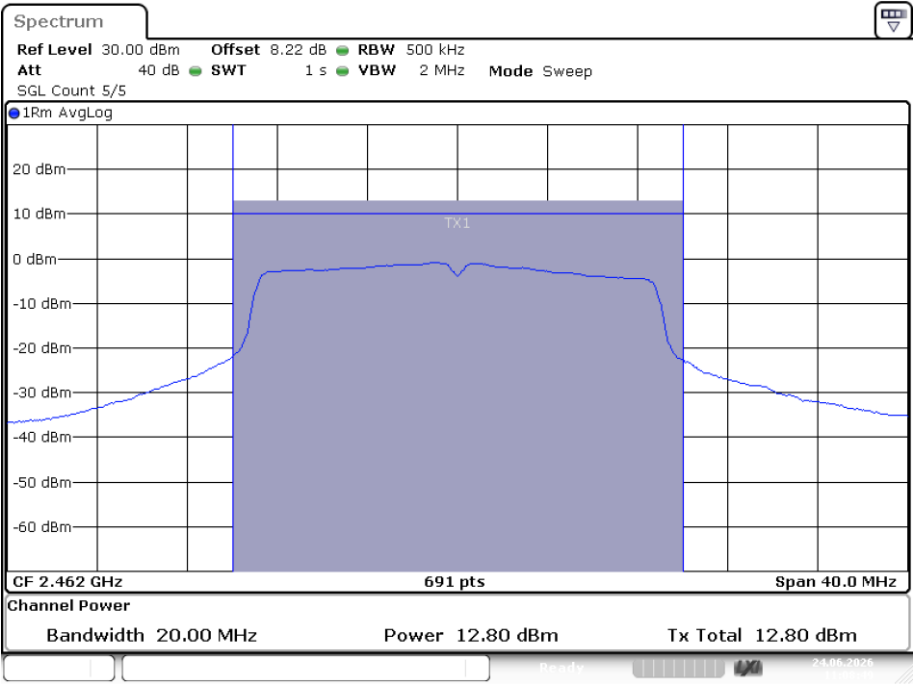
Date: 24.JUN.2026 11:17:42

Power NVNT n20 2437MHz Ant1



Date: 24.JUN.2026 11:13:21

Power NVNT n20 2462MHz Ant1

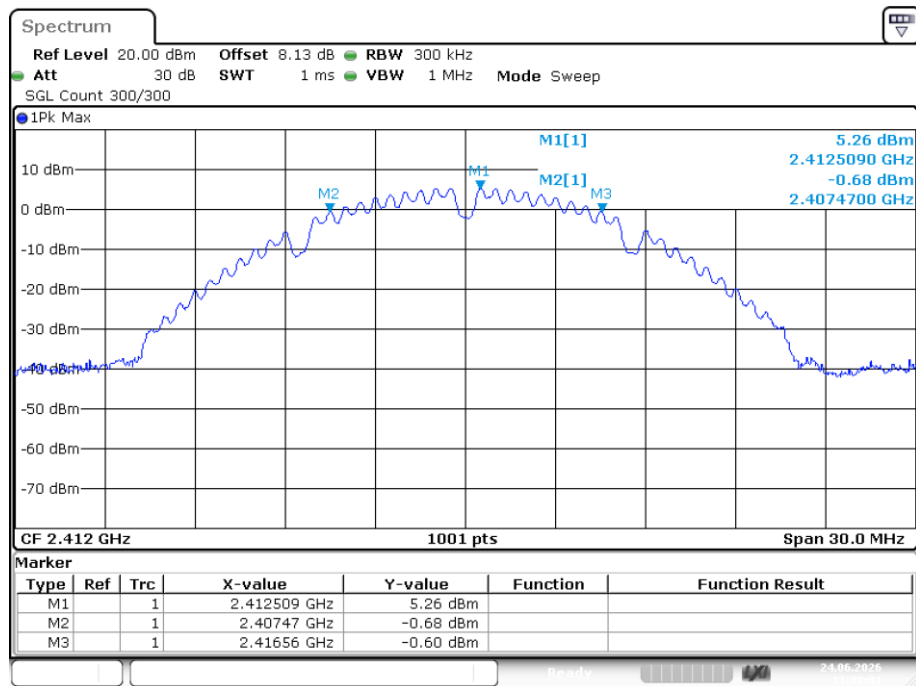


Date: 24.JUN.2026 11:08:49

-6dB Bandwidth

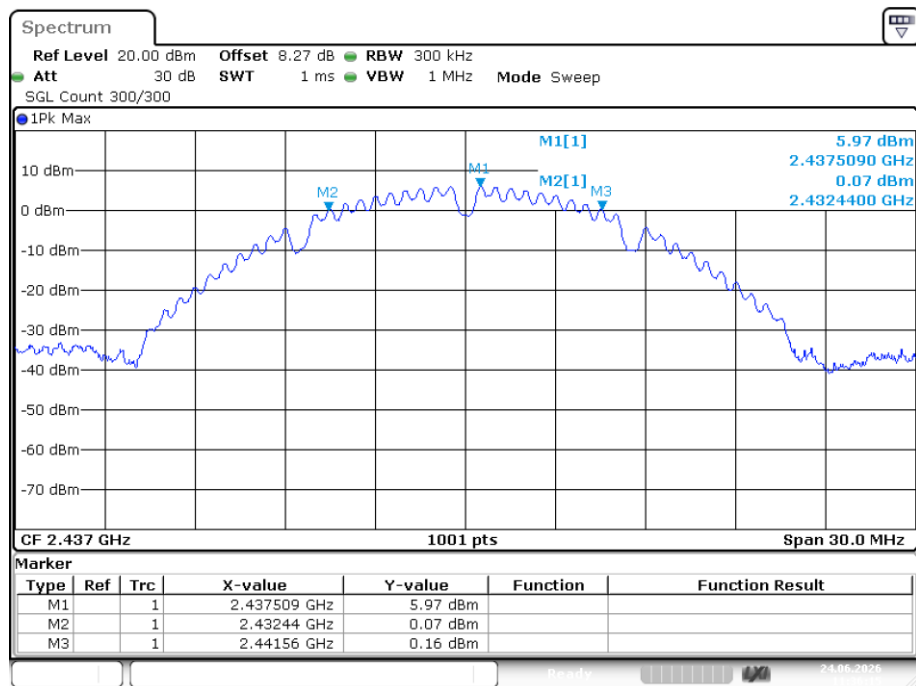
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.09	0.5	Pass
NVNT	b	2437	Ant1	9.12	0.5	Pass
NVNT	b	2462	Ant1	8.67	0.5	Pass
NVNT	g	2412	Ant1	16.23	0.5	Pass
NVNT	g	2437	Ant1	16.35	0.5	Pass
NVNT	g	2462	Ant1	16.11	0.5	Pass
NVNT	n20	2412	Ant1	17.43	0.5	Pass
NVNT	n20	2437	Ant1	17.64	0.5	Pass
NVNT	n20	2462	Ant1	17.52	0.5	Pass

-6dB Bandwidth NVNT b 2412MHz Ant1



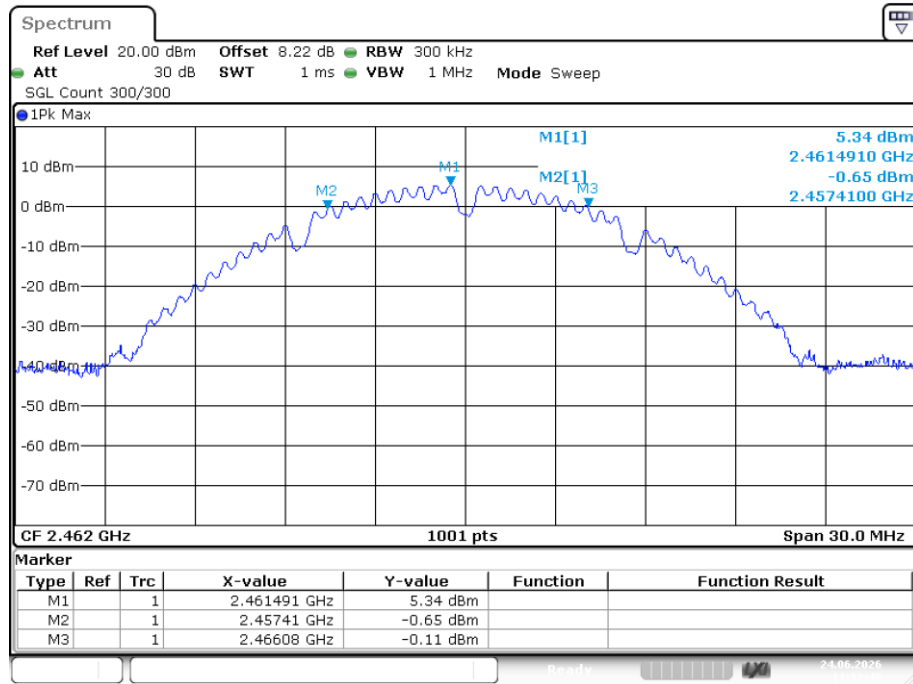
Date: 24.JUN.2026 11:39:01

-6dB Bandwidth NVNT b 2437MHz Ant1

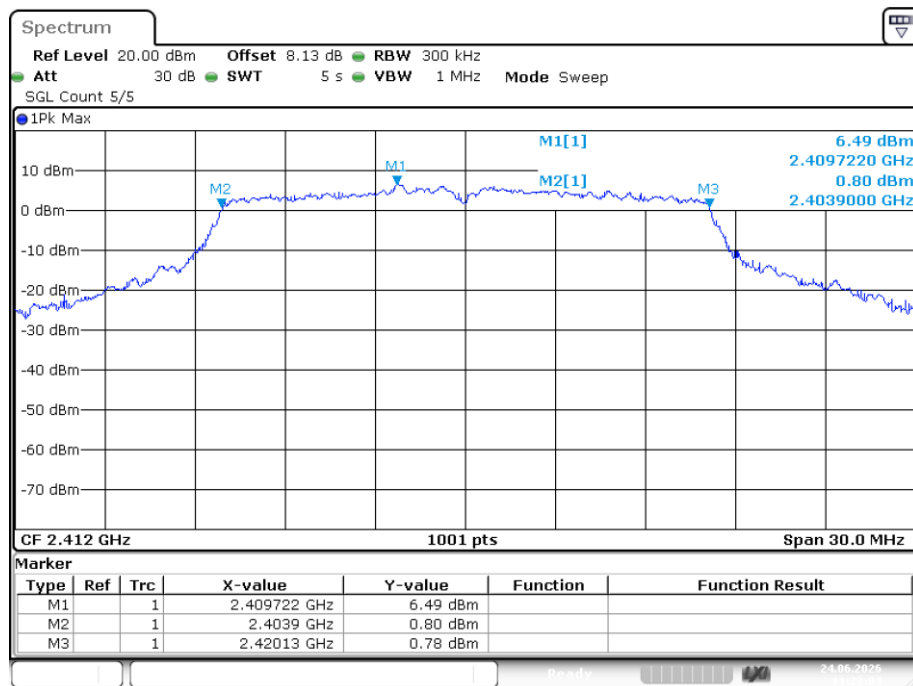


Date: 24.JUN.2026 11:36:14

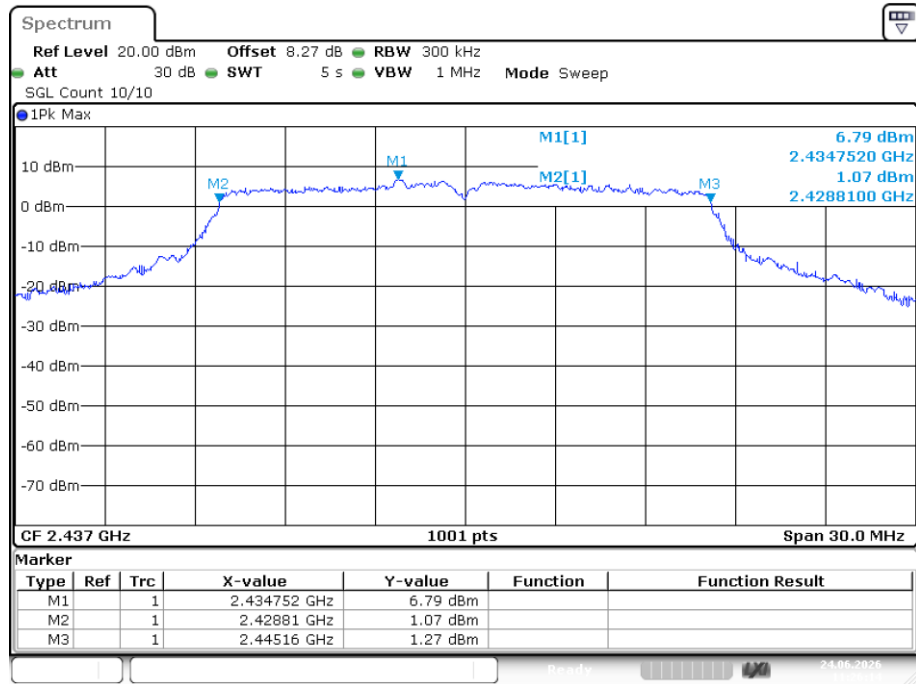
-6dB Bandwidth NVNT b 2462MHz Ant1



-6dB Bandwidth NVNT g 2412MHz Ant1

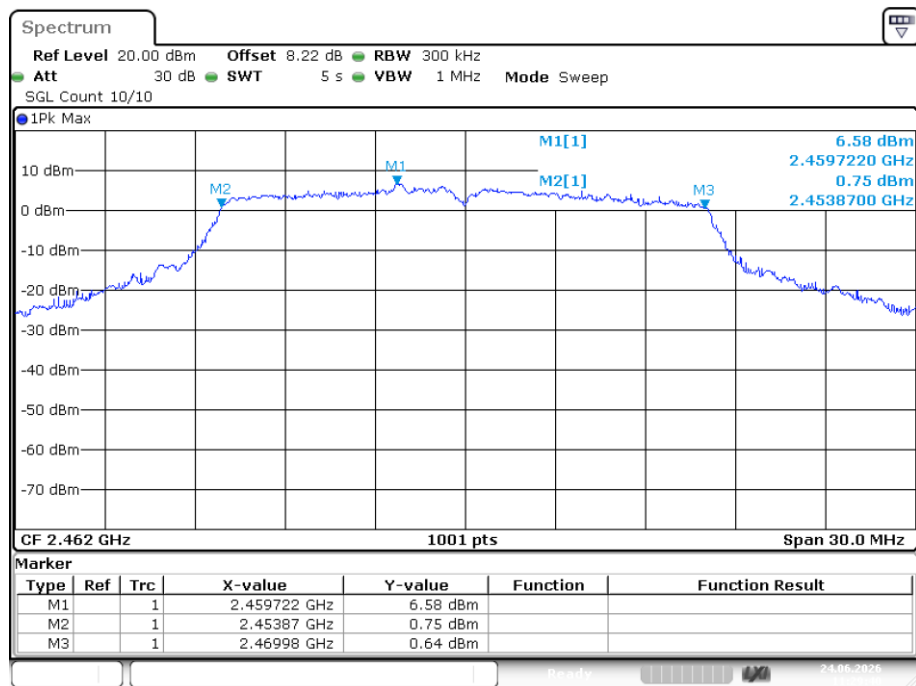


-6dB Bandwidth NVNT g 2437MHz Ant1



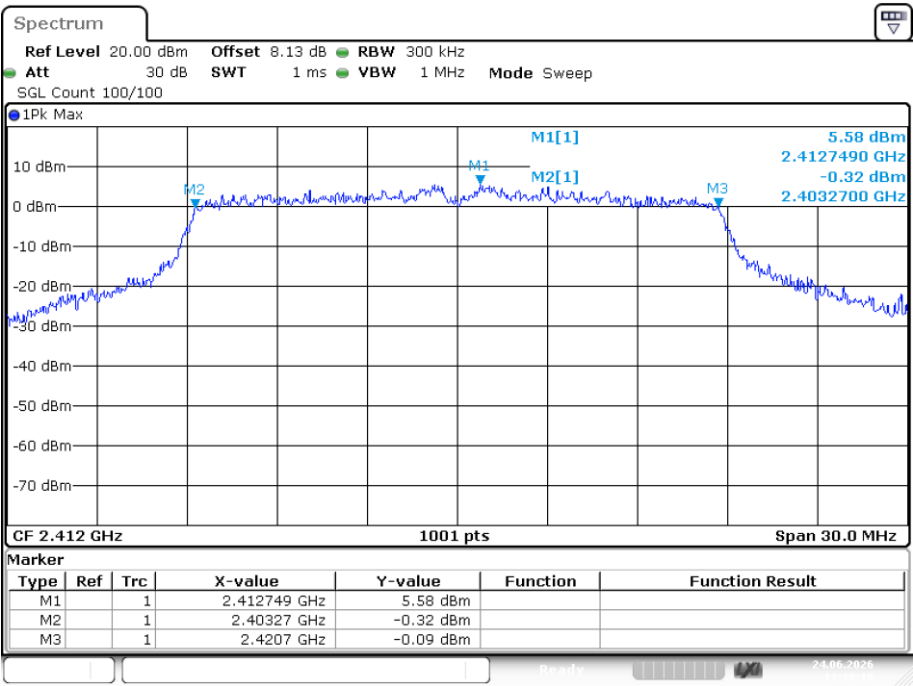
Date: 24.JUN.2026 11:26:14

-6dB Bandwidth NVNT g 2462MHz Ant1

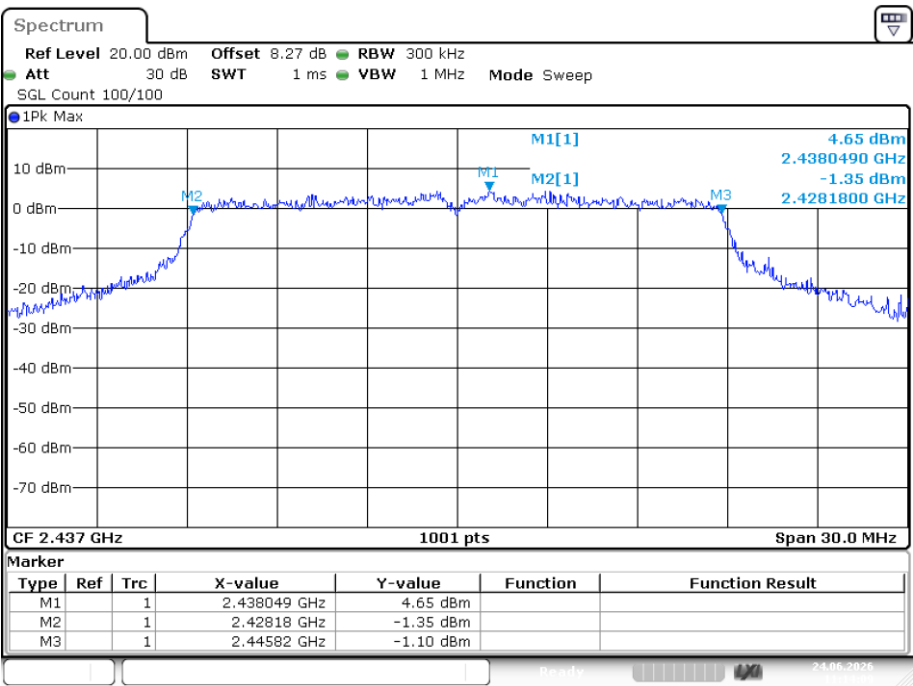


Date: 24.JUN.2026 11:29:40

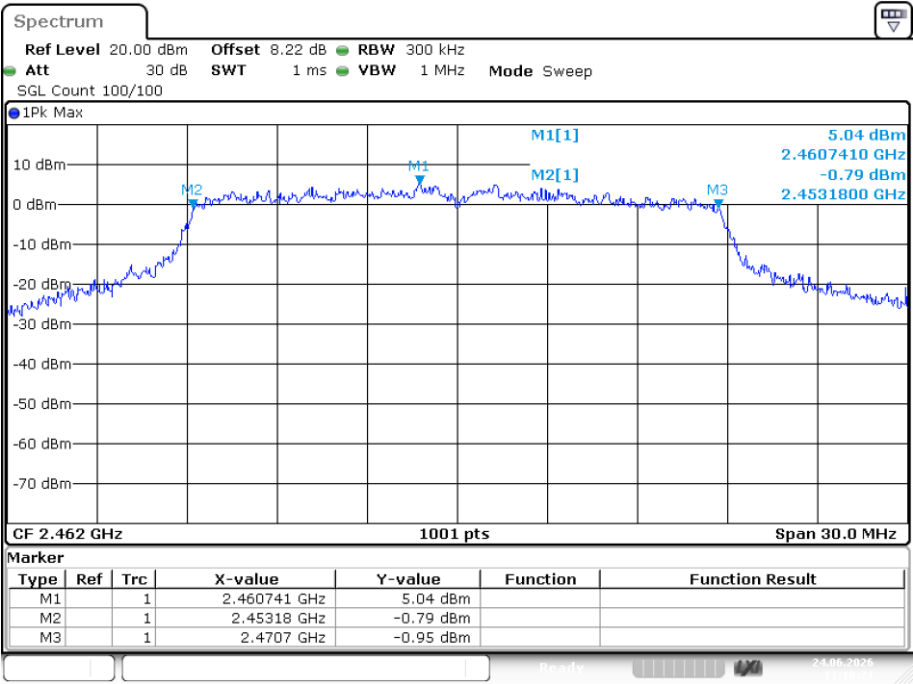
-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1



-6dB Bandwidth NVNT n20 2462MHz Ant1

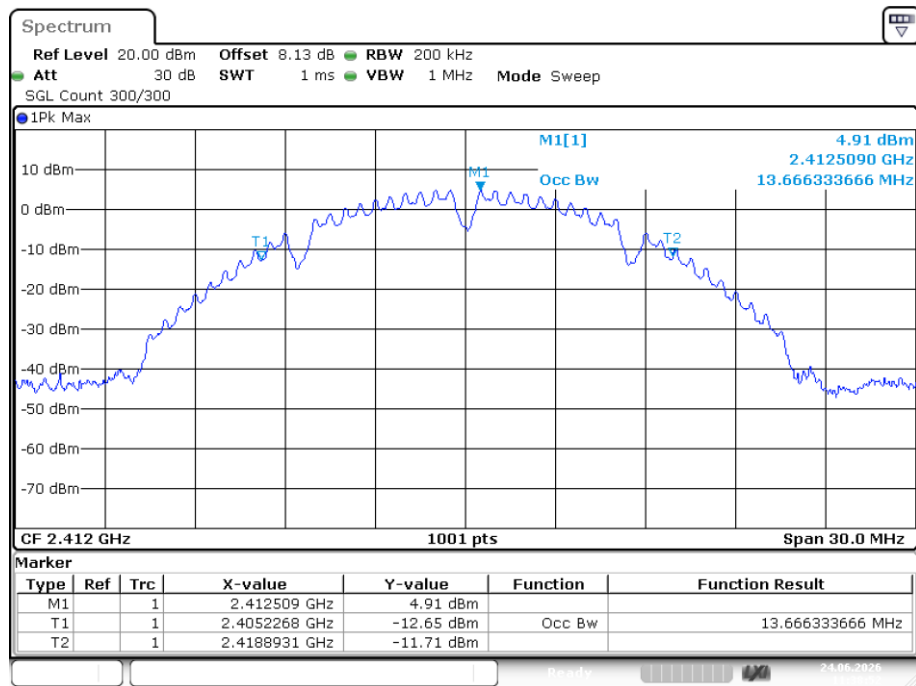


Date: 24.JUN.2026 11:10:20

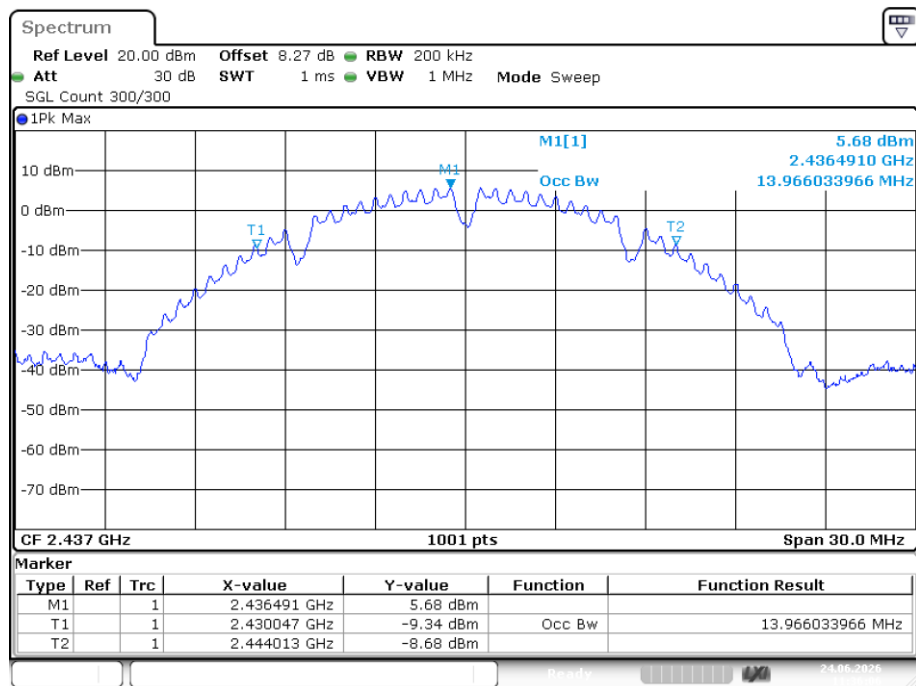
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.666
NVNT	b	2437	Ant1	13.966
NVNT	b	2462	Ant1	13.666
NVNT	g	2412	Ant1	16.573
NVNT	g	2437	Ant1	16.663
NVNT	g	2462	Ant1	16.543
NVNT	n20	2412	Ant1	17.772
NVNT	n20	2437	Ant1	17.862
NVNT	n20	2462	Ant1	17.772

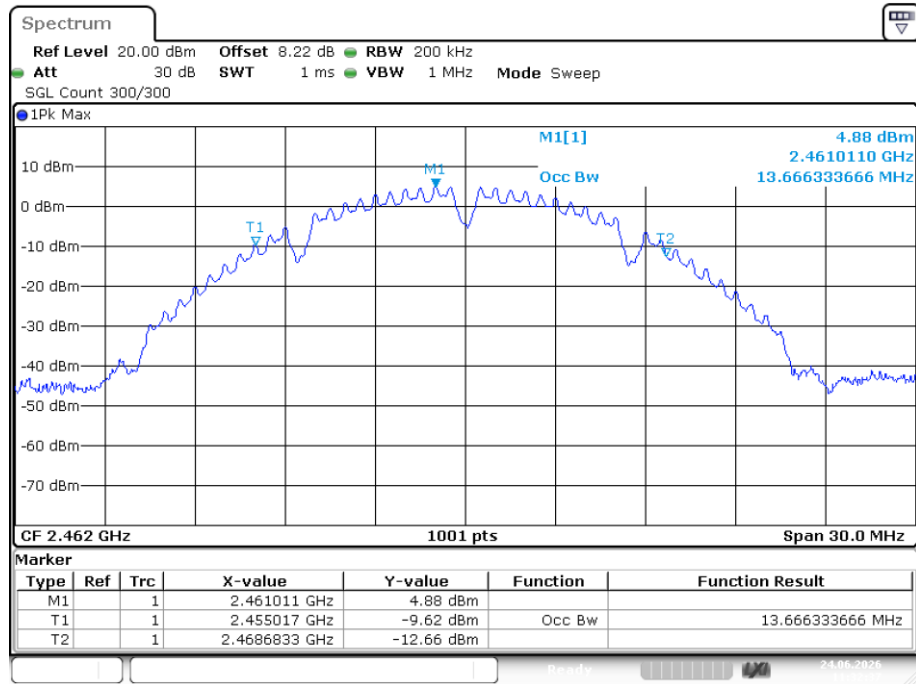
OBW NVNT b 2412MHz Ant1



OBW NVNT b 2437MHz Ant1

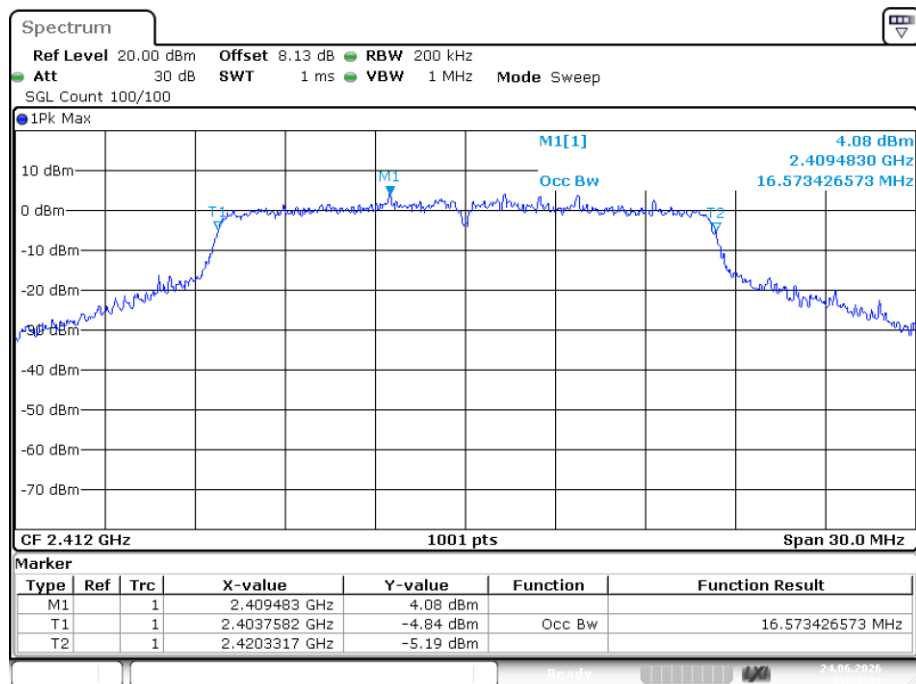


OBW NVNT b 2462MHz Ant1



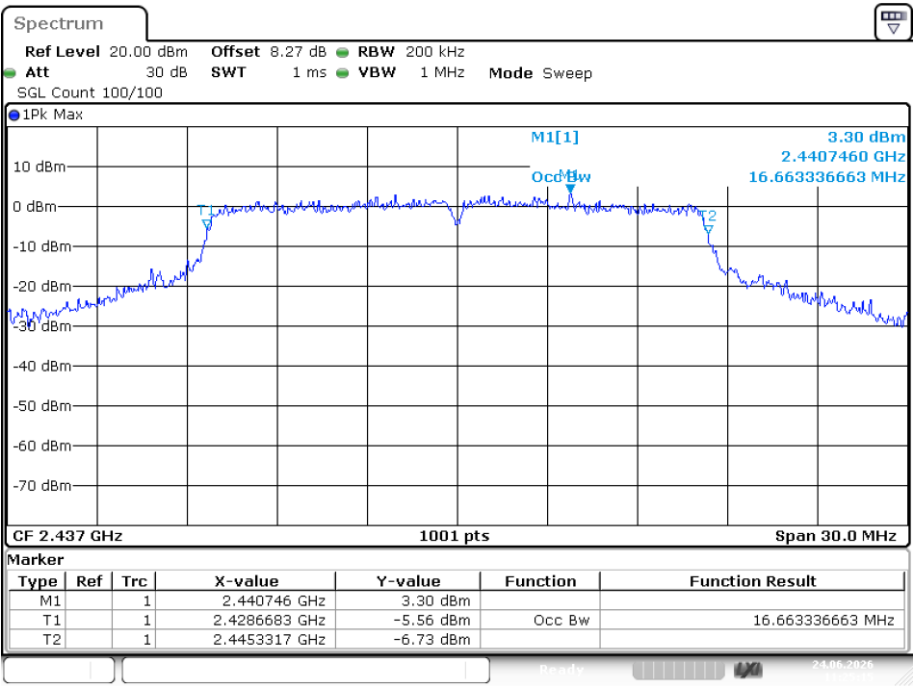
Date: 24.JUN.2026 11:32:37

OBW NVNT g 2412MHz Ant1



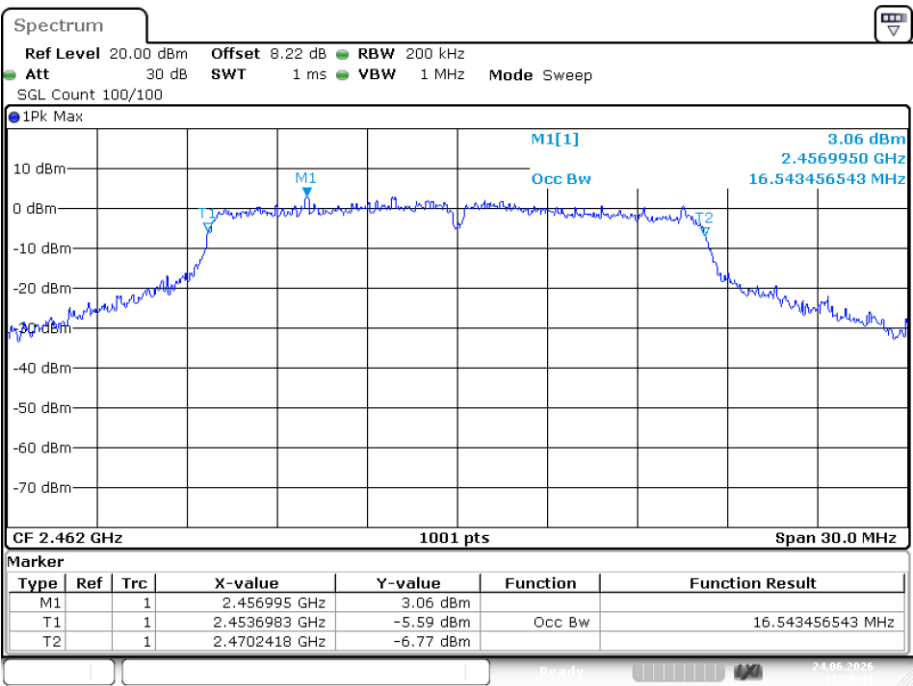
Date: 24.JUN.2026 11:21:31

OBW NVNT g 2437MHz Ant1



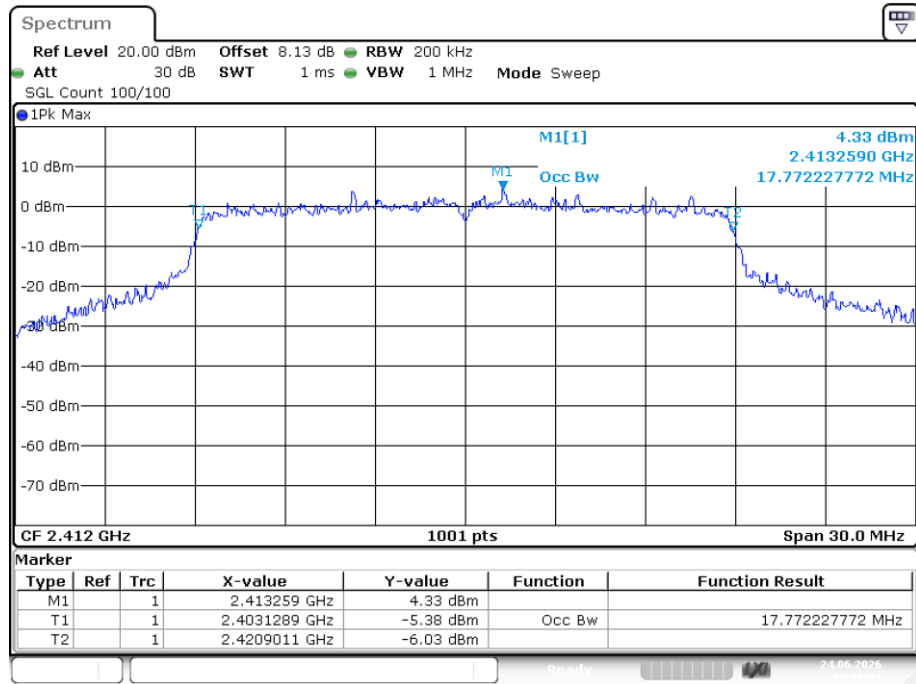
Date: 24.JUN.2026 11:25:15

OBW NVNT g 2462MHz Ant1



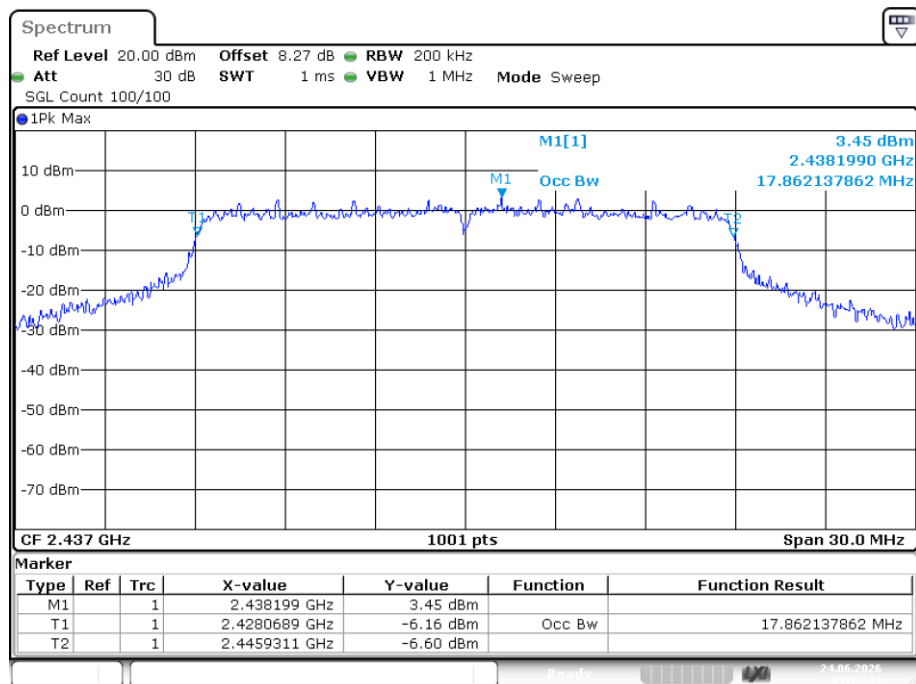
Date: 24.JUN.2026 11:28:40

OBW NVNT n20 2412MHz Ant1



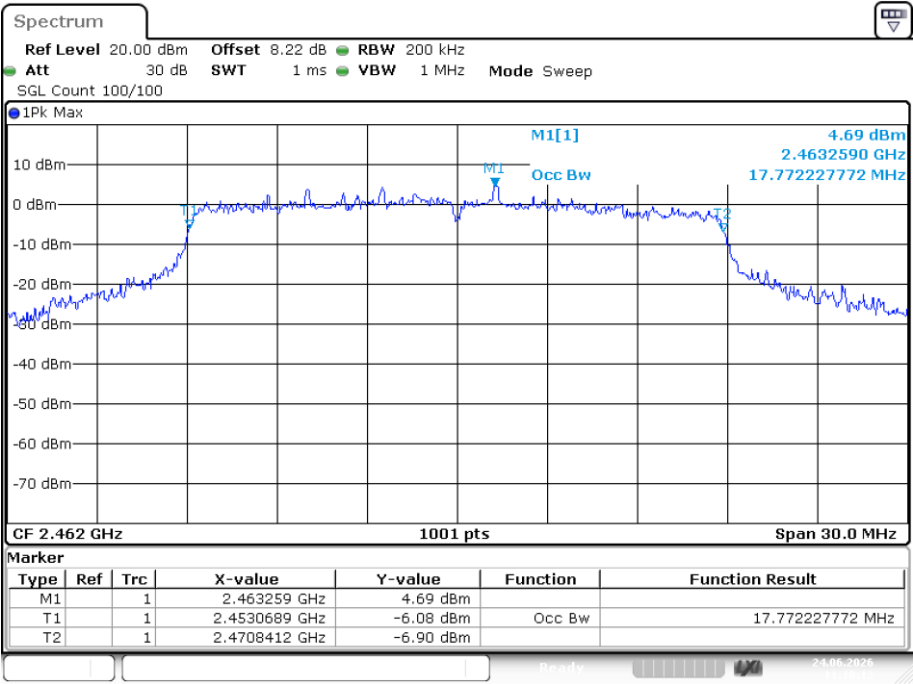
Date: 24.JUN.2026 11:18:07

OBW NVNT n20 2437MHz Ant1



Date: 24.JUN.2026 11:14:01

OBW NVNT n20 2462MHz Ant1

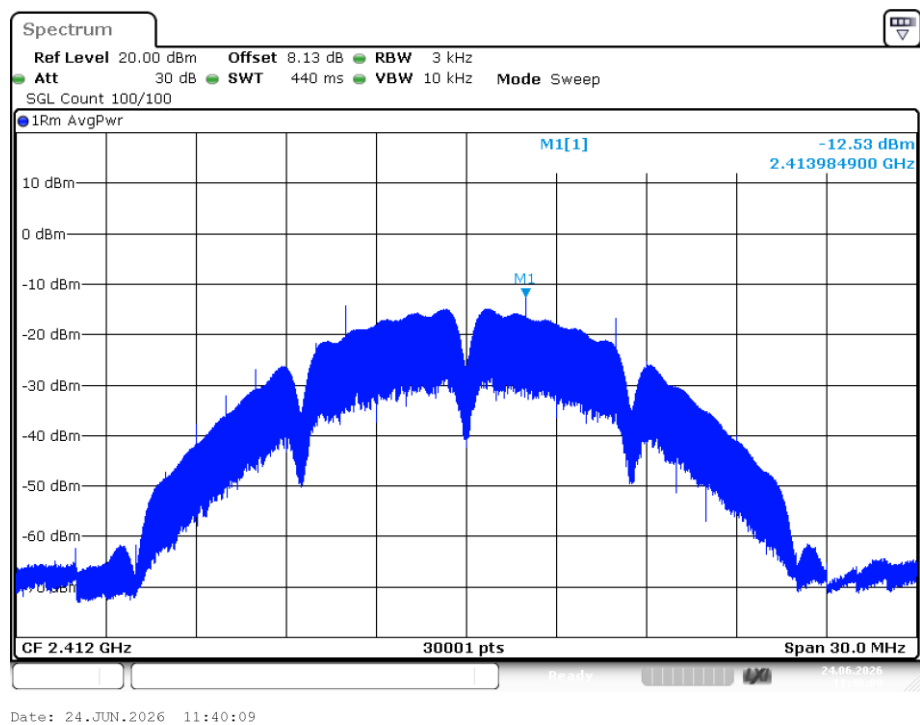


Date: 24.JUN.2026 11:10:12

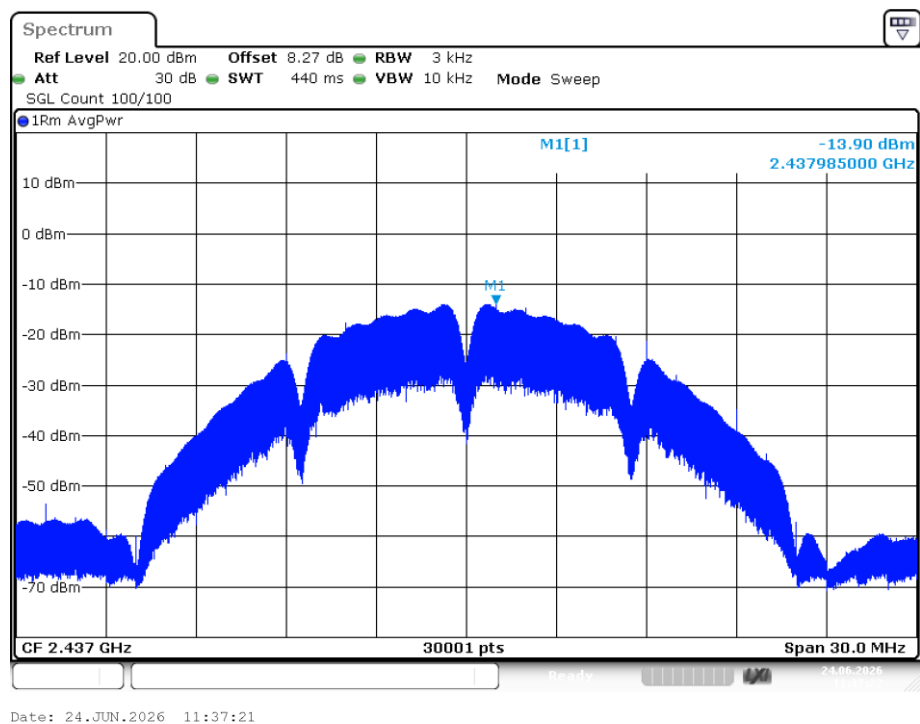
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conduct PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-12.53	0.00	-12.53	8	Pass
NVNT	b	2437	Ant1	-13.90	0.00	-13.90	8	Pass
NVNT	b	2462	Ant1	-14.60	0.00	-14.60	8	Pass
NVNT	g	2412	Ant1	-17.55	0.00	-17.55	8	Pass
NVNT	g	2437	Ant1	-17.46	0.00	-17.46	8	Pass
NVNT	g	2462	Ant1	-17.68	0.00	-17.68	8	Pass
NVNT	n20	2412	Ant1	-18.24	0.09	-18.15	8	Pass
NVNT	n20	2437	Ant1	-18.75	0.09	-18.67	8	Pass
NVNT	n20	2462	Ant1	-18.24	0.00	-18.24	8	Pass

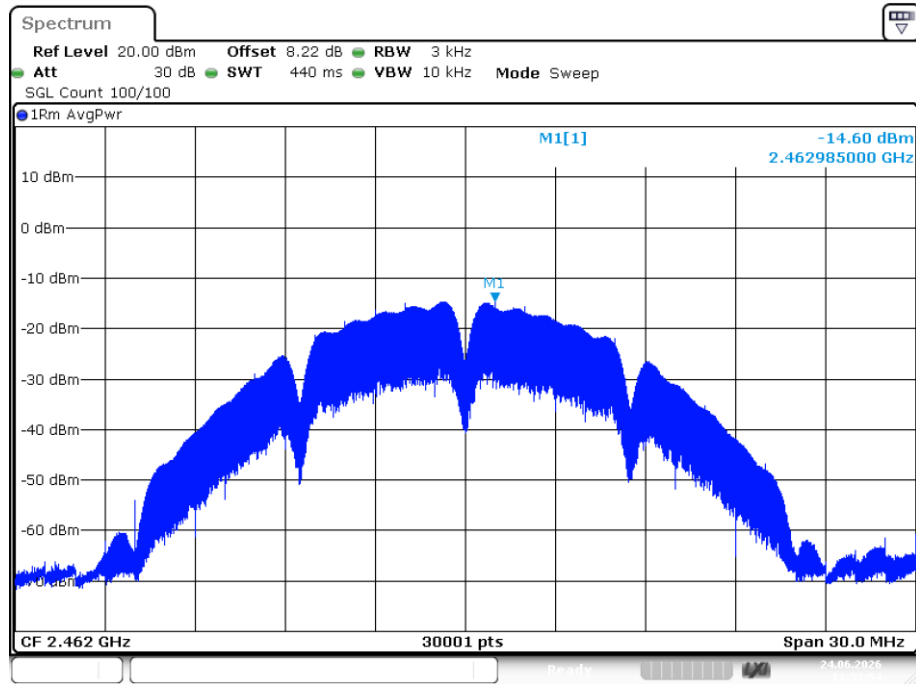
PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1

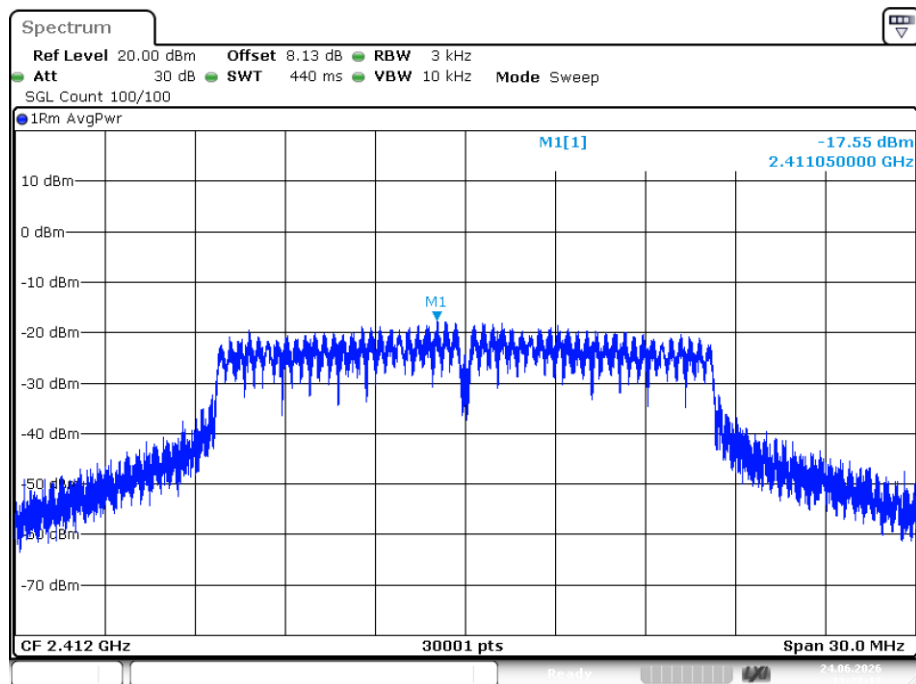


PSD NVNT b 2462MHz Ant1



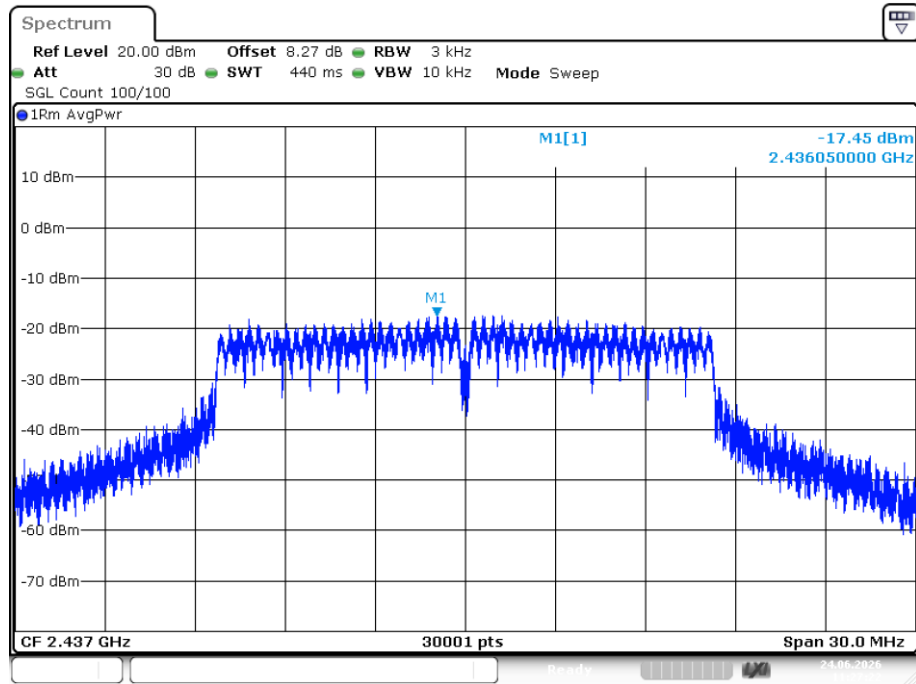
Date: 24.JUN.2026 11:33:53

PSD NVNT g 2412MHz Ant1



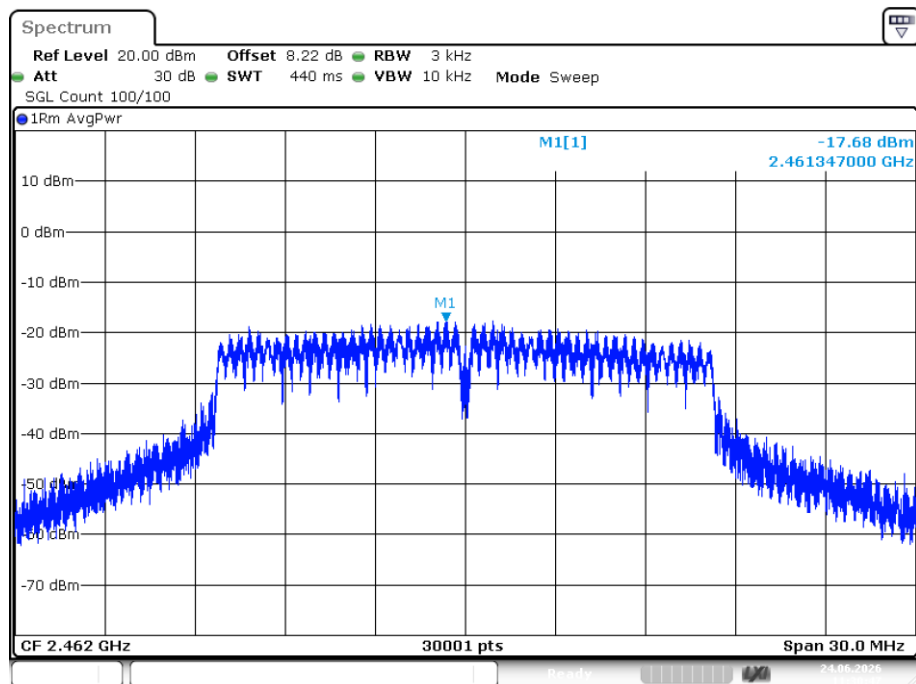
Date: 24.JUN.2026 11:23:12

PSD NVNT g 2437MHz Ant1



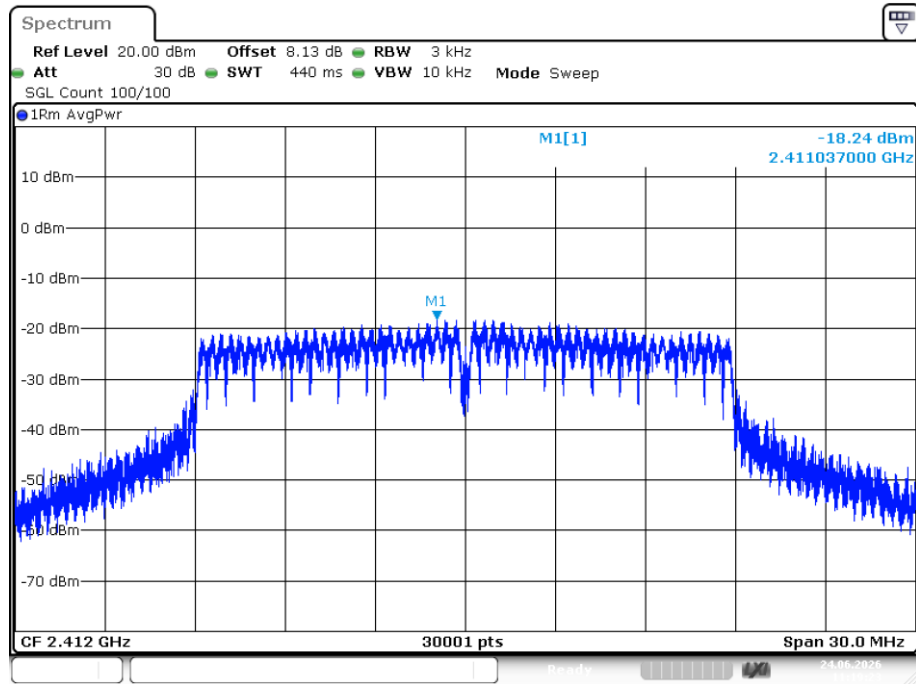
Date: 24.JUN.2026 11:27:21

PSD NVNT g 2462MHz Ant1



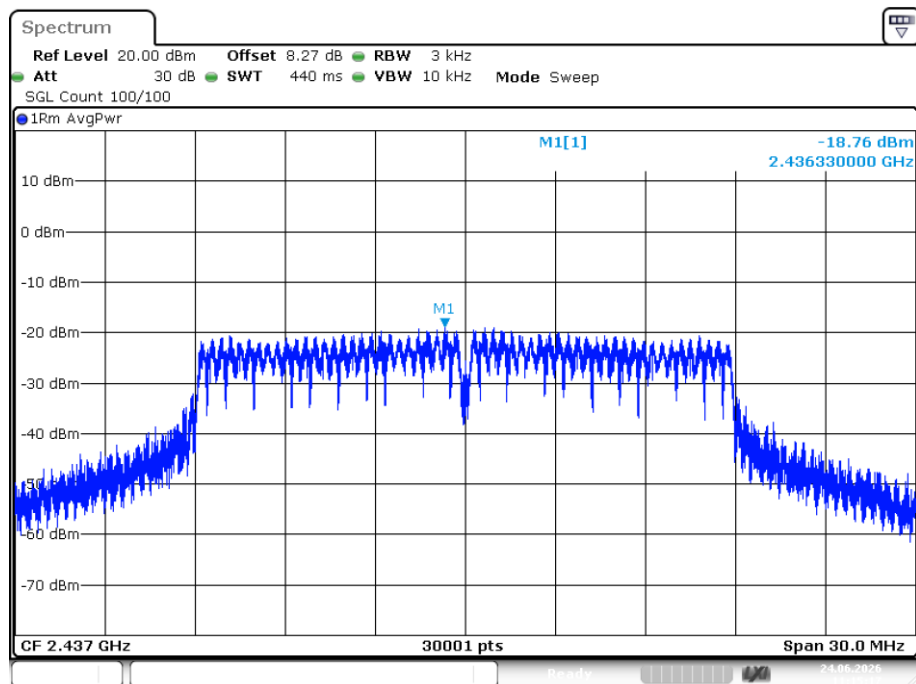
Date: 24.JUN.2026 11:30:47

PSD NVNT n20 2412MHz Ant1



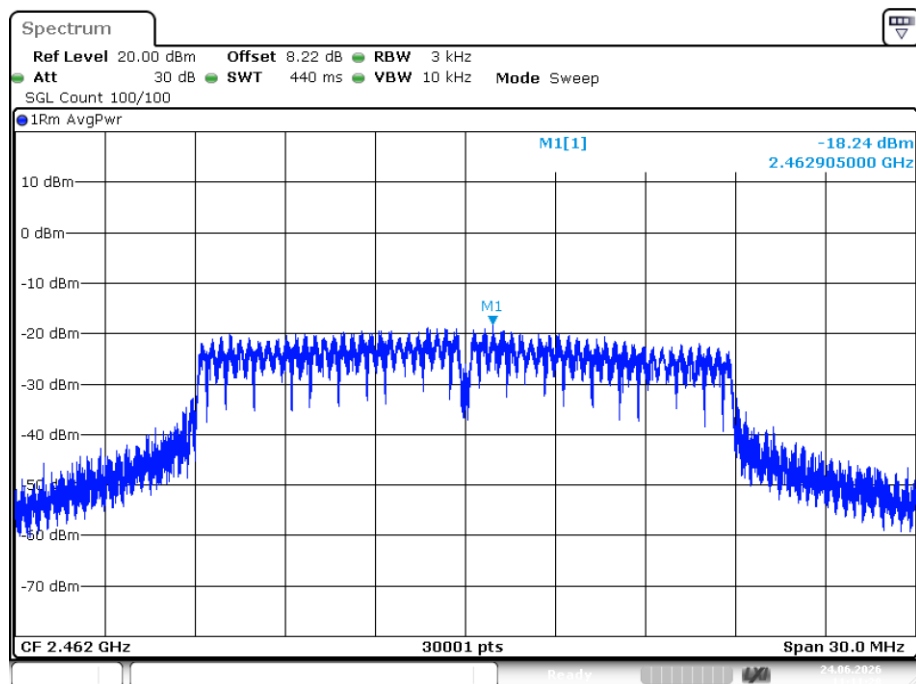
Date: 24.JUN.2026 11:19:23

PSD NVNT n20 2437MHz Ant1



Date: 24.JUN.2026 11:15:16

PSD NVNT n20 2462MHz Ant1

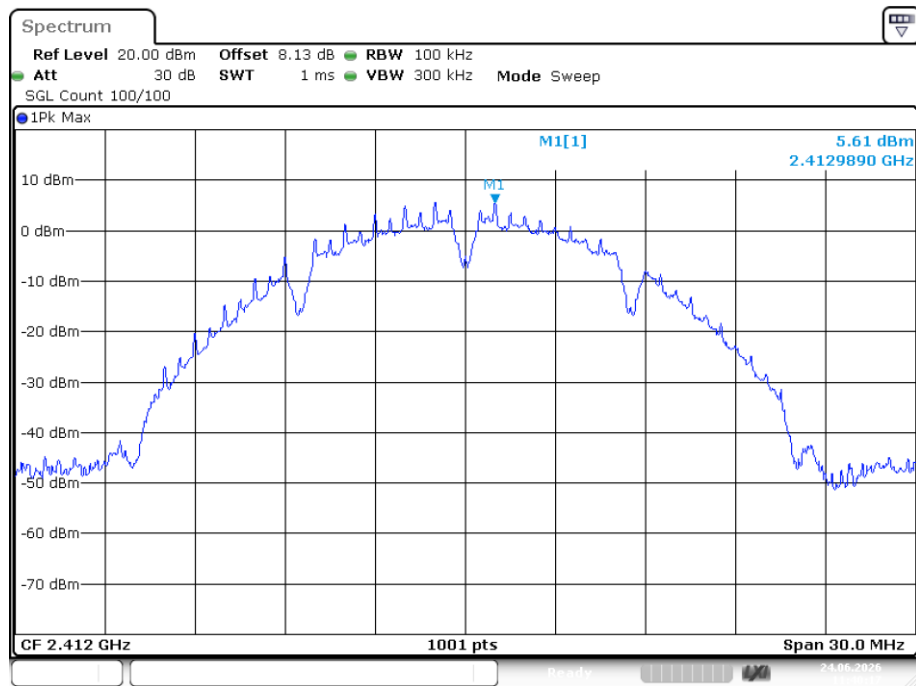


Date: 24.JUN.2026 11:11:27

Band Edge

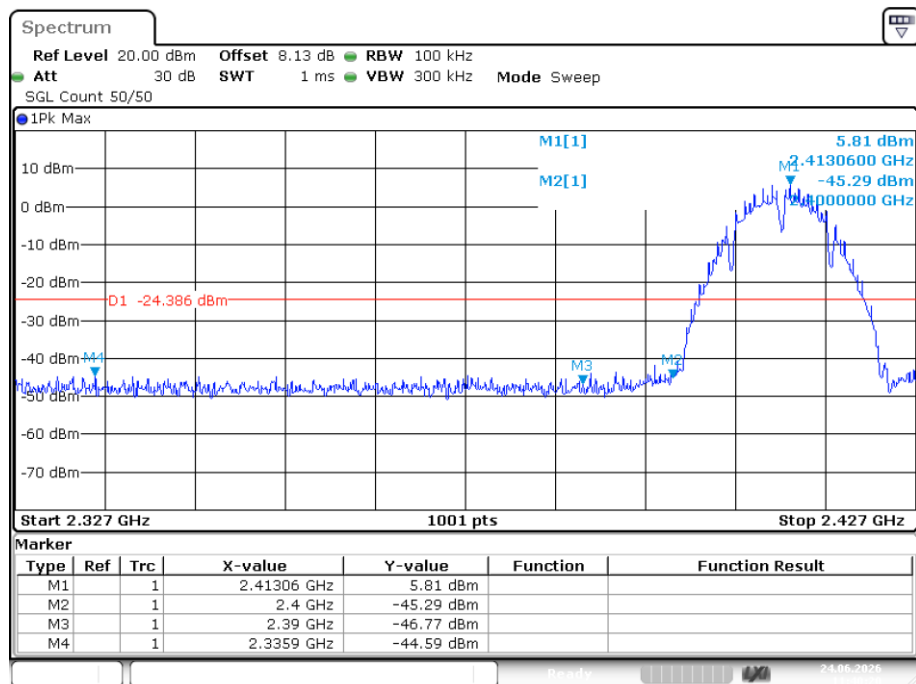
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-50.20	-30	Pass
NVNT	b	2462	Ant1	-47.07	-30	Pass
NVNT	g	2412	Ant1	-47.49	-30	Pass
NVNT	g	2462	Ant1	-45.32	-30	Pass
NVNT	n20	2412	Ant1	-46.94	-30	Pass
NVNT	n20	2462	Ant1	-41.32	-30	Pass

Band Edge NVNT b 2412MHz Ant1 Ref



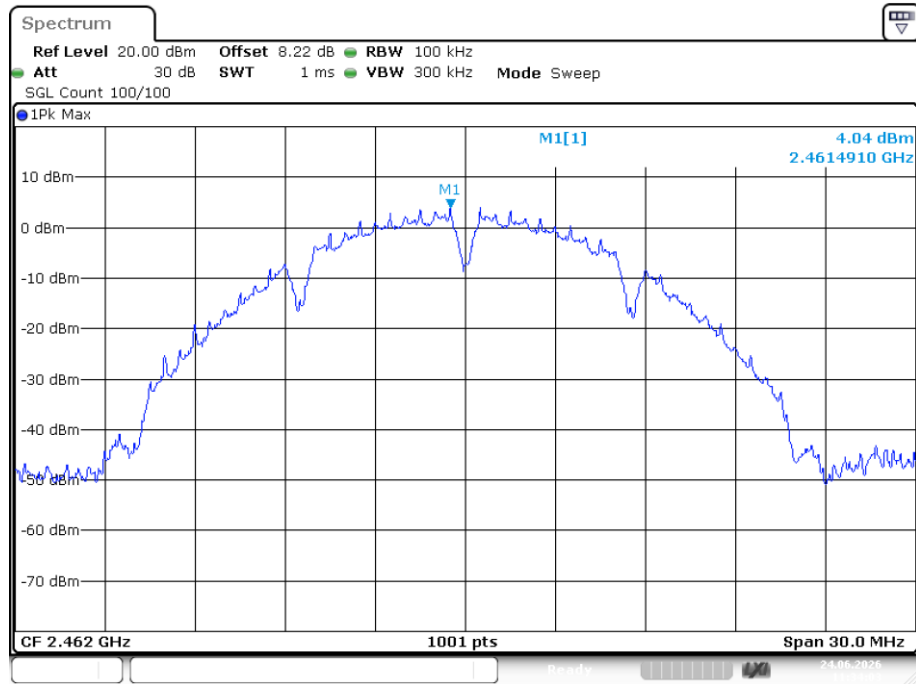
Date: 24.JUN.2026 11:40:17

Band Edge NVNT b 2412MHz Ant1 Emission



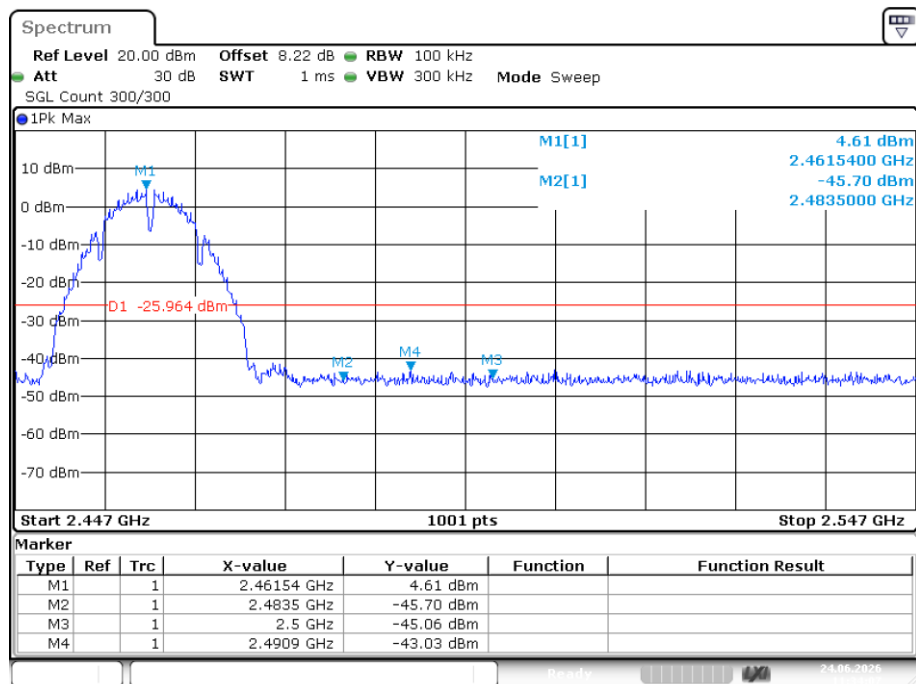
Date: 24.JUN.2026 11:40:20

Band Edge NVNT b 2462MHz Ant1 Ref



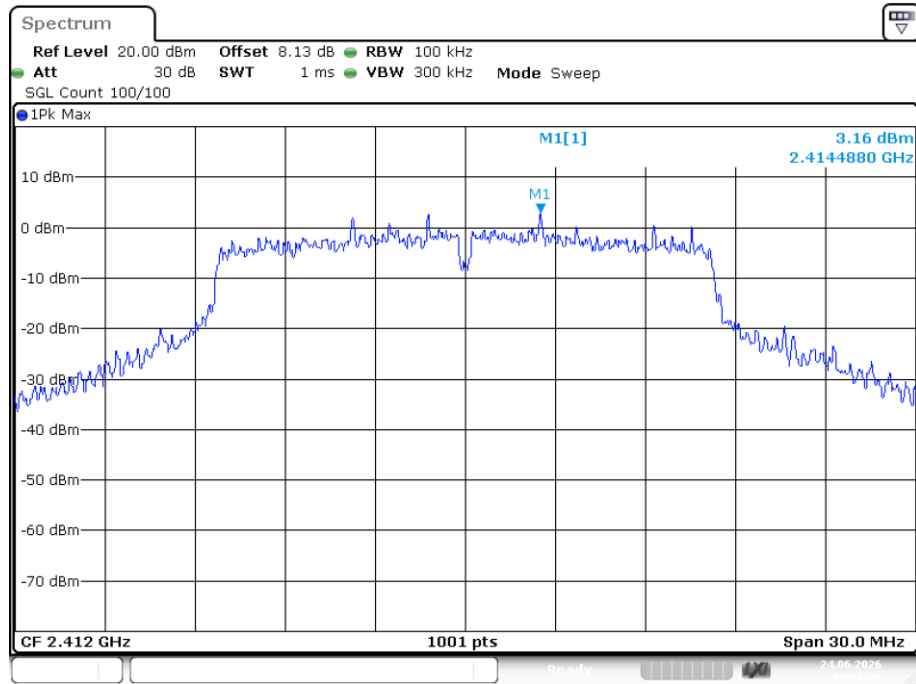
Date: 24.JUN.2026 11:34:02

Band Edge NVNT b 2462MHz Ant1 Emission



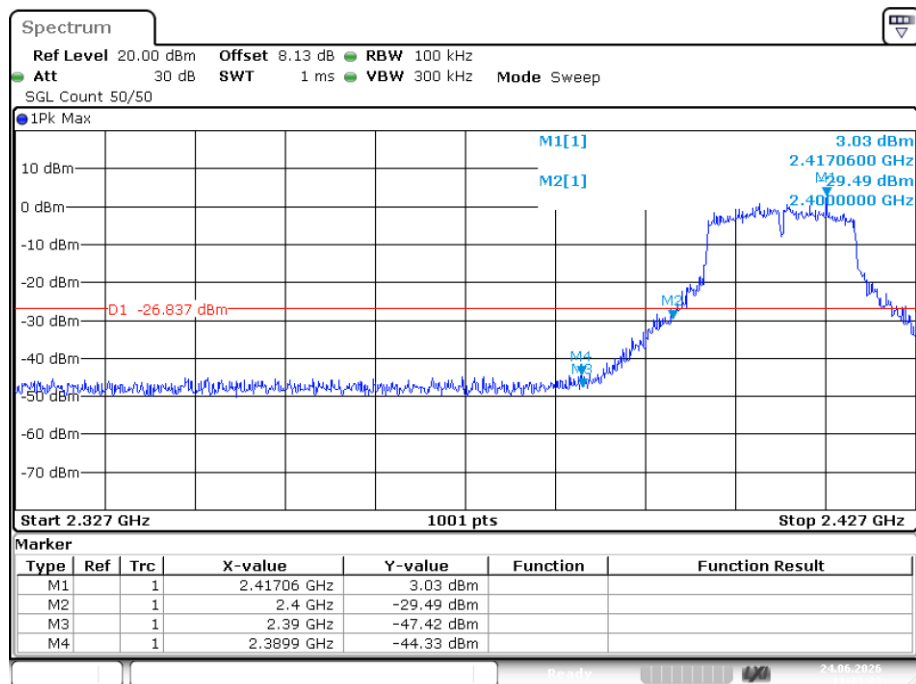
Date: 24.JUN.2026 11:34:07

Band Edge NVNT g 2412MHz Ant1 Ref



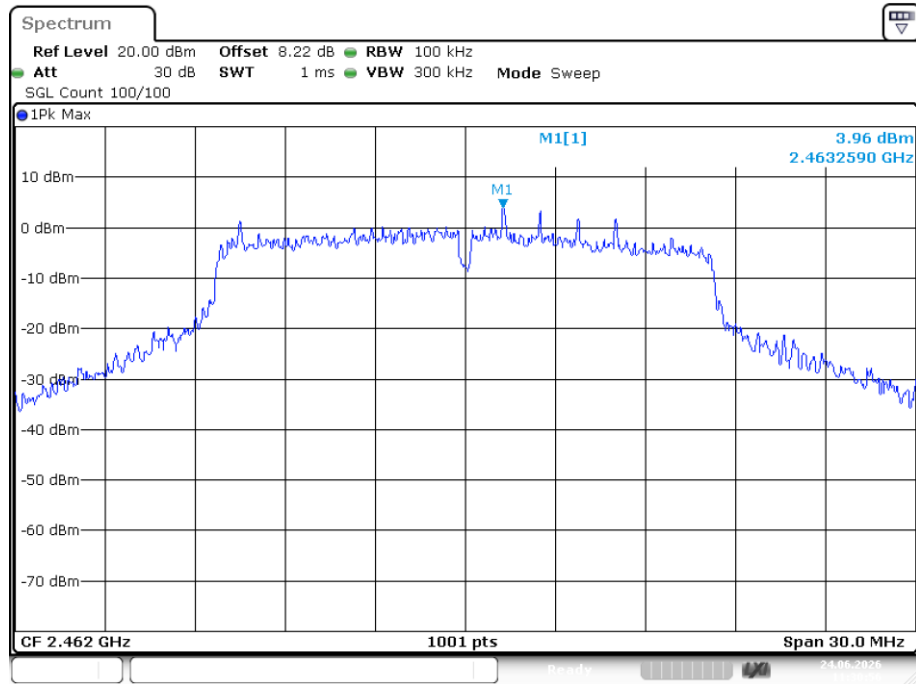
Date: 24.JUN.2026 11:23:20

Band Edge NVNT g 2412MHz Ant1 Emission



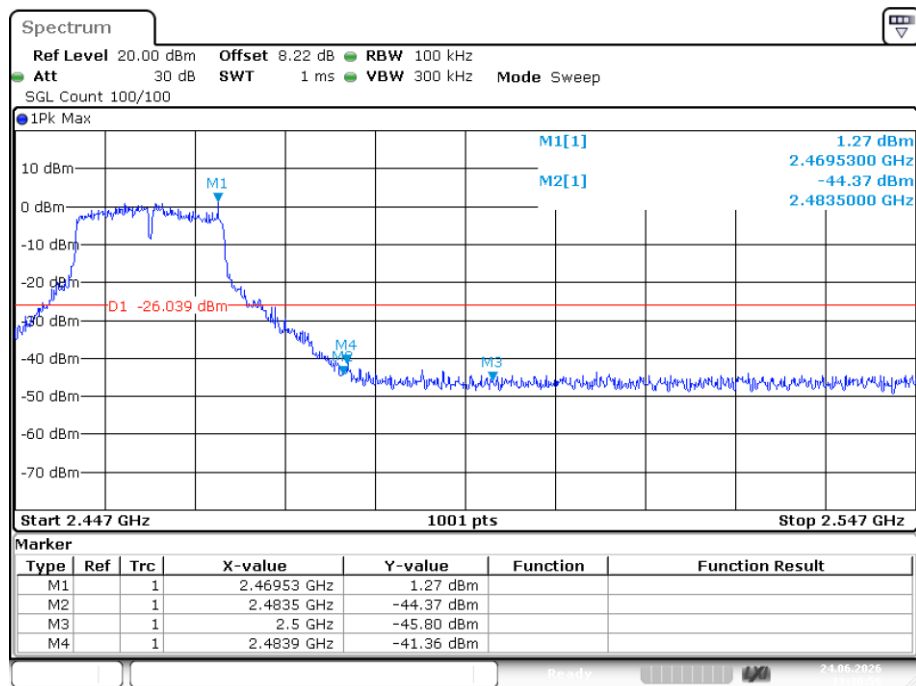
Date: 24.JUN.2026 11:23:23

Band Edge NVNT g 2462MHz Ant1 Ref



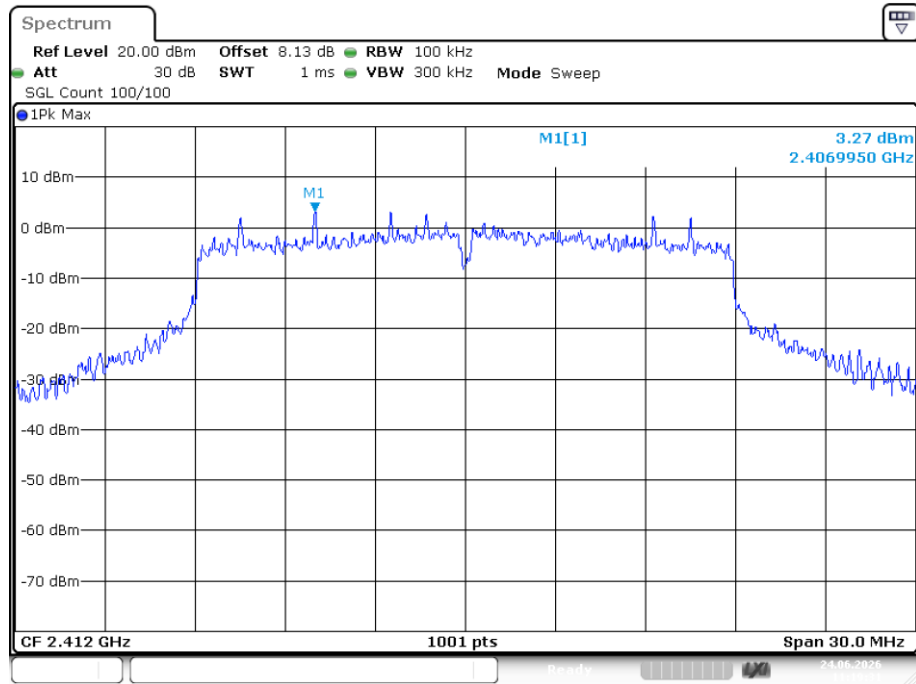
Date: 24.JUN.2026 11:30:56

Band Edge NVNT g 2462MHz Ant1 Emission



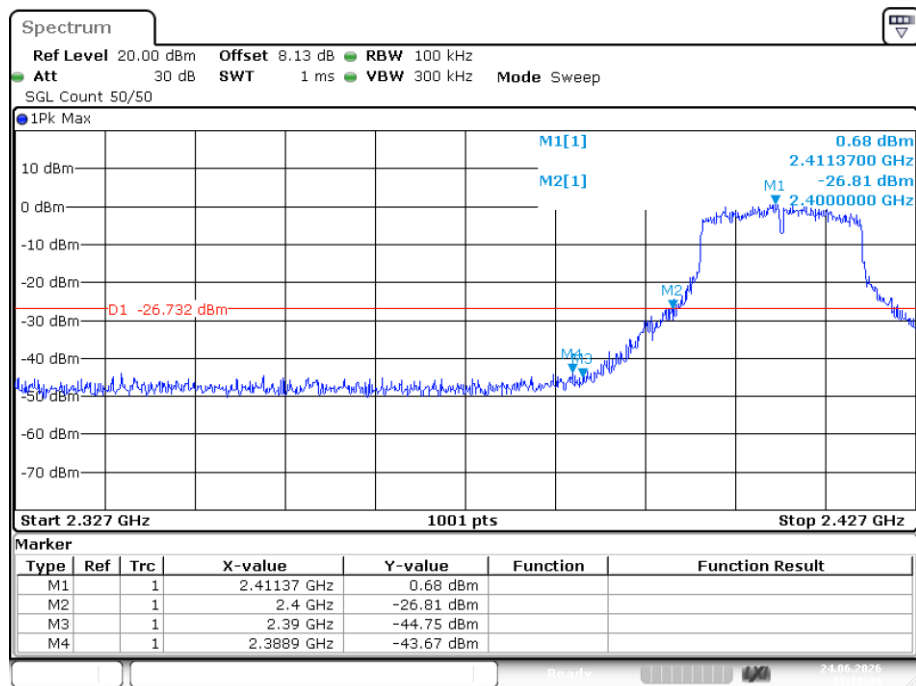
Date: 24.JUN.2026 11:30:59

Band Edge NVNT n20 2412MHz Ant1 Ref



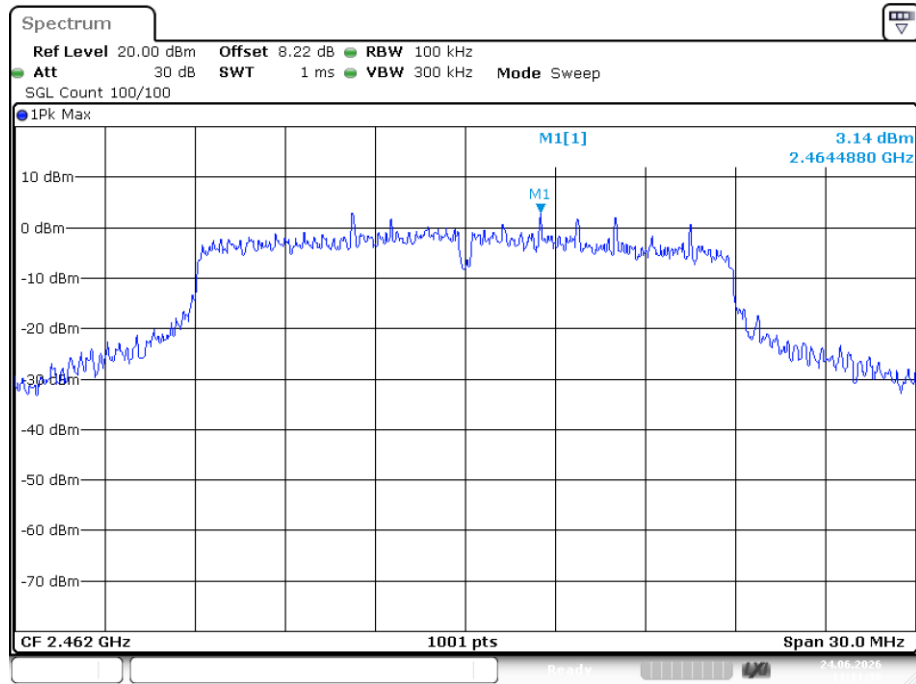
Date: 24.JUN.2026 11:19:30

Band Edge NVNT n20 2412MHz Ant1 Emission



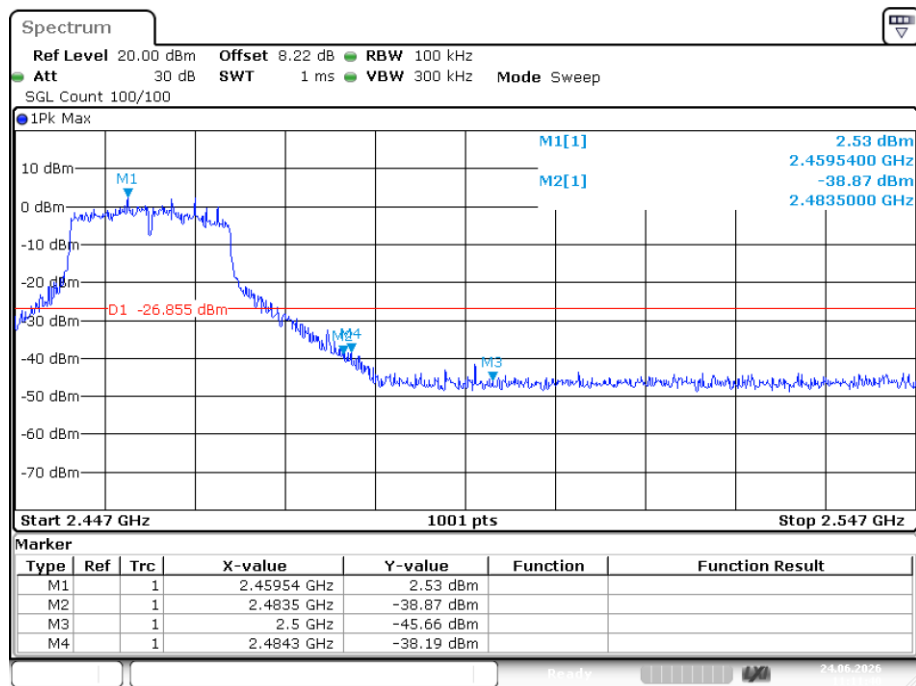
Date: 24.JUN.2026 11:19:34

Band Edge NVNT n20 2462MHz Ant1 Ref



Date: 24.JUN.2026 11:11:36

Band Edge NVNT n20 2462MHz Ant1 Emission

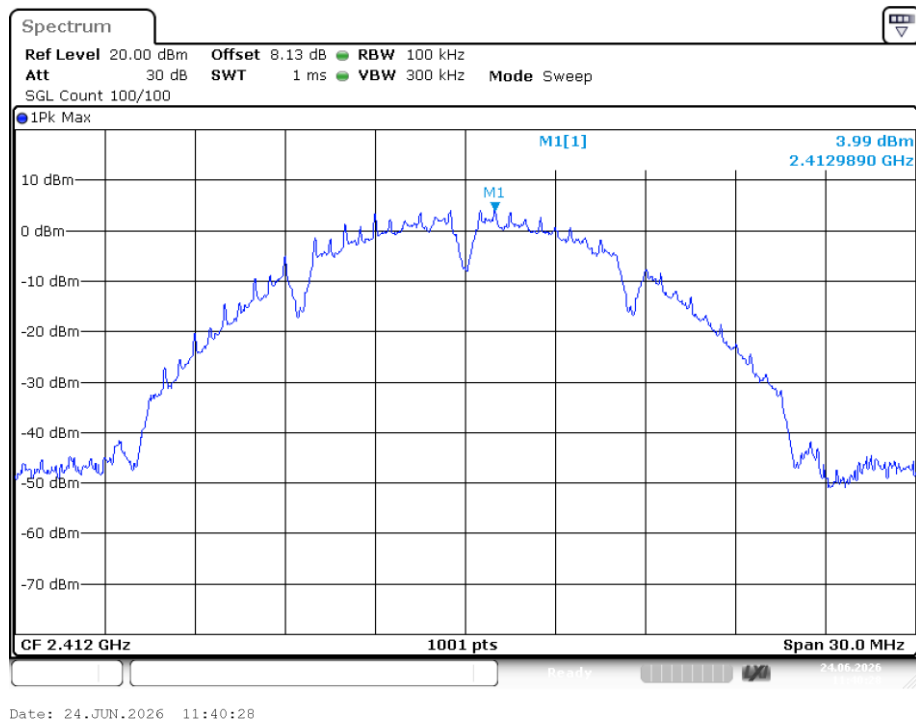


Date: 24.JUN.2026 11:11:39

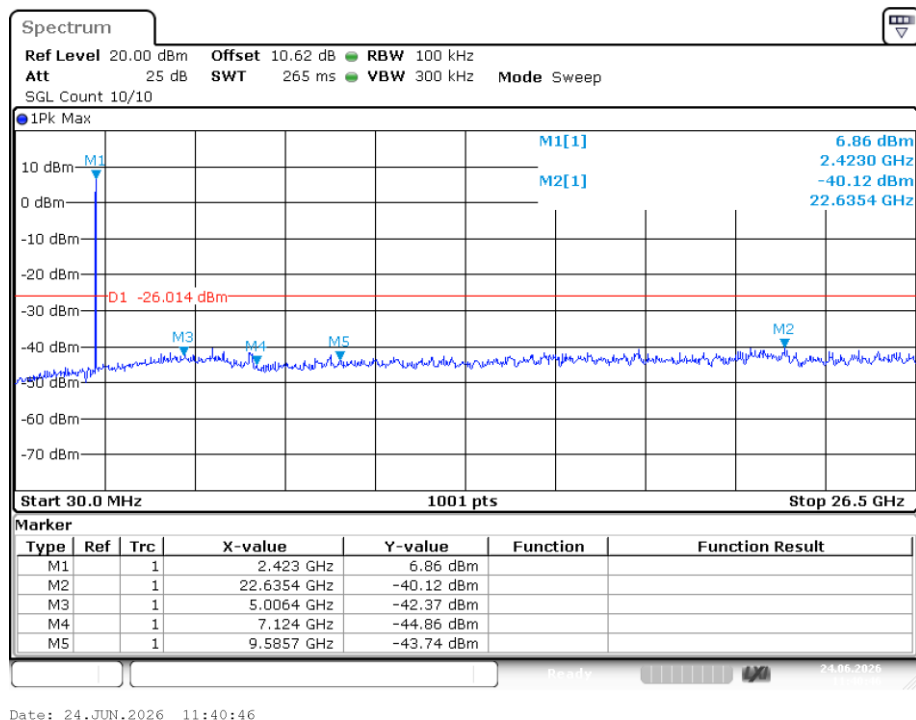
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-44.1	-30	Pass
NVNT	b	2437	Ant1	-46.81	-30	Pass
NVNT	b	2462	Ant1	-44.55	-30	Pass
NVNT	g	2412	Ant1	-40.83	-30	Pass
NVNT	g	2437	Ant1	-41.92	-30	Pass
NVNT	g	2462	Ant1	-42.86	-30	Pass
NVNT	n20	2412	Ant1	-44.18	-30	Pass
NVNT	n20	2437	Ant1	-43.33	-30	Pass
NVNT	n20	2462	Ant1	-43.02	-30	Pass

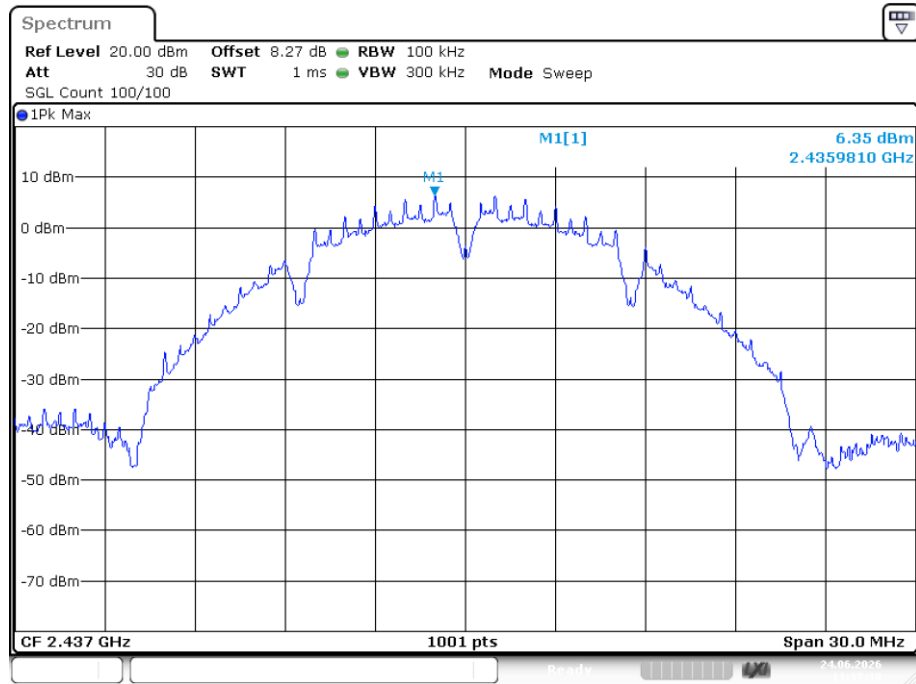
Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission

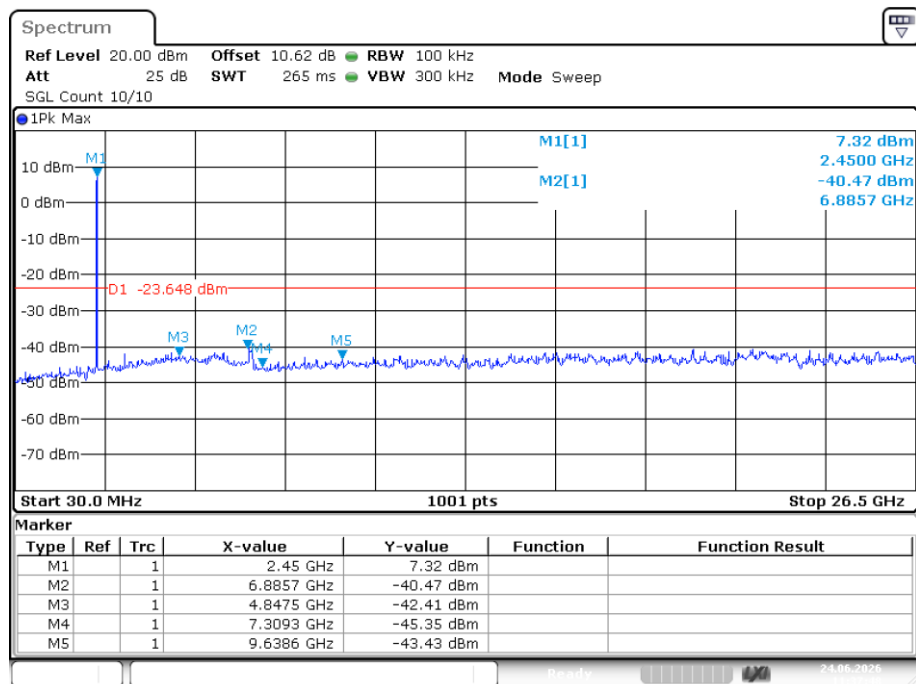


Tx. Spurious NVNT b 2437MHz Ant1 Ref



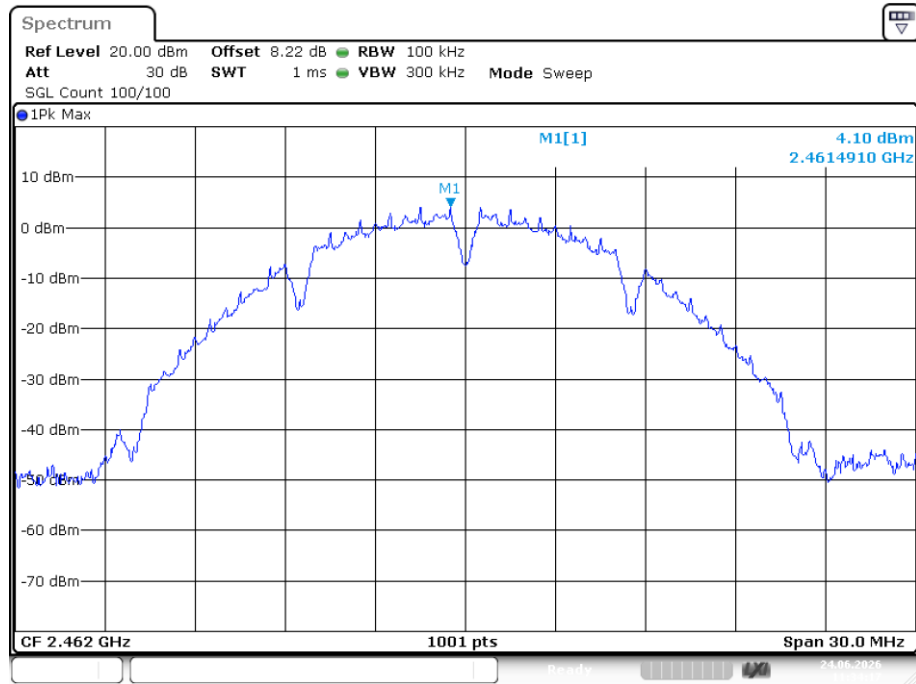
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Tx. Spurious NVNT b 2437MHz Ant1 Emission



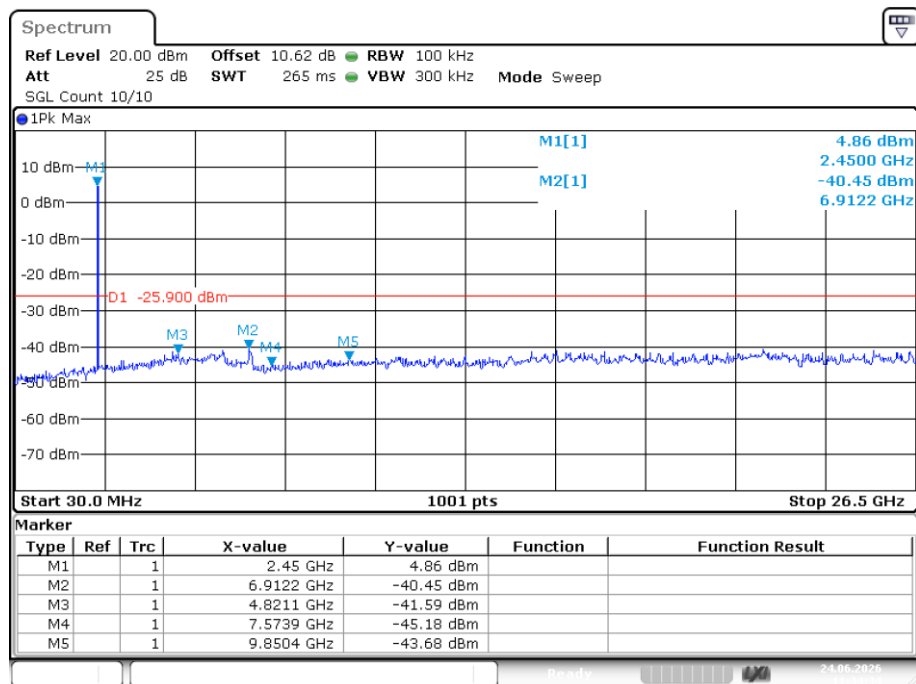
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Tx. Spurious NVNT b 2462MHz Ant1 Ref



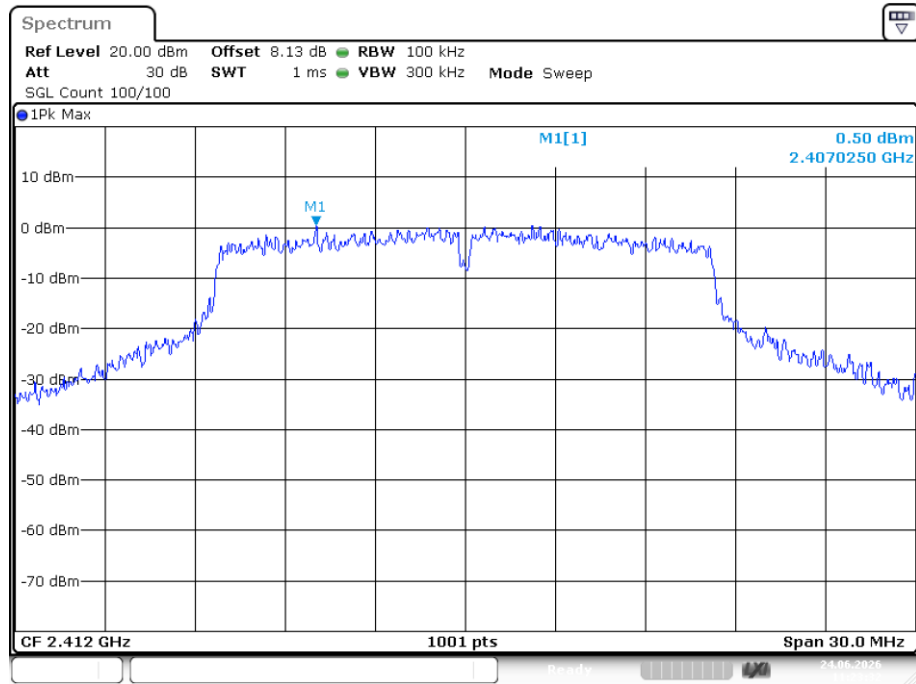
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Tx. Spurious NVNT b 2462MHz Ant1 Emission



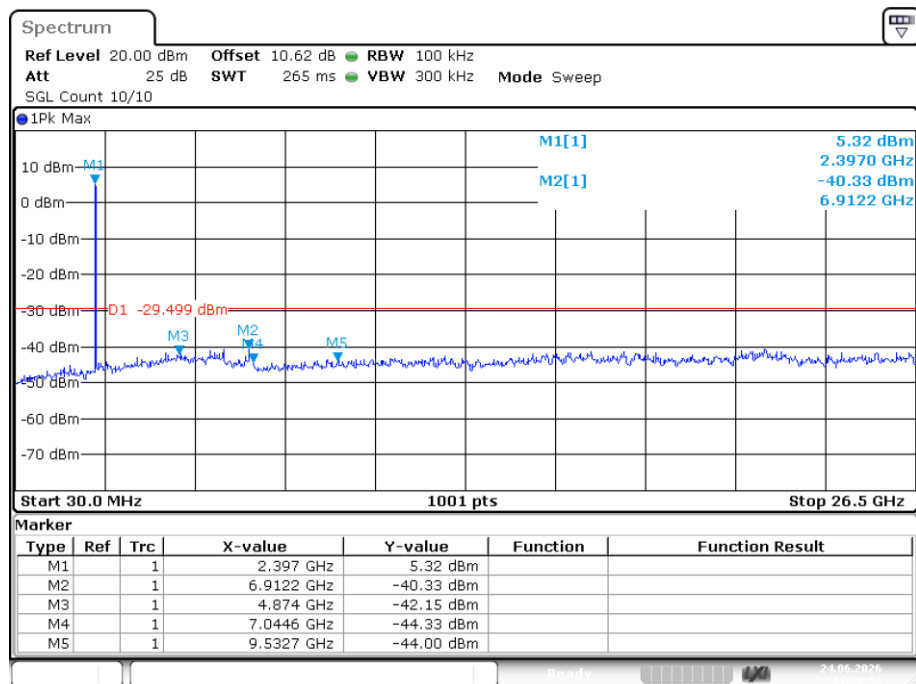
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Tx. Spurious NVNT g 2412MHz Ant1 Ref



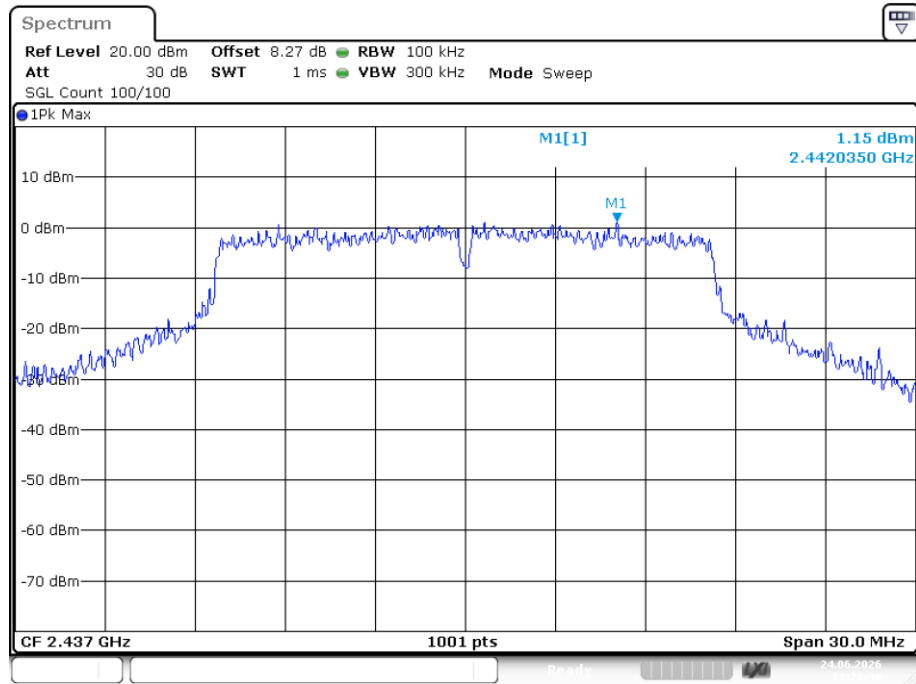
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Tx. Spurious NVNT g 2412MHz Ant1 Emission



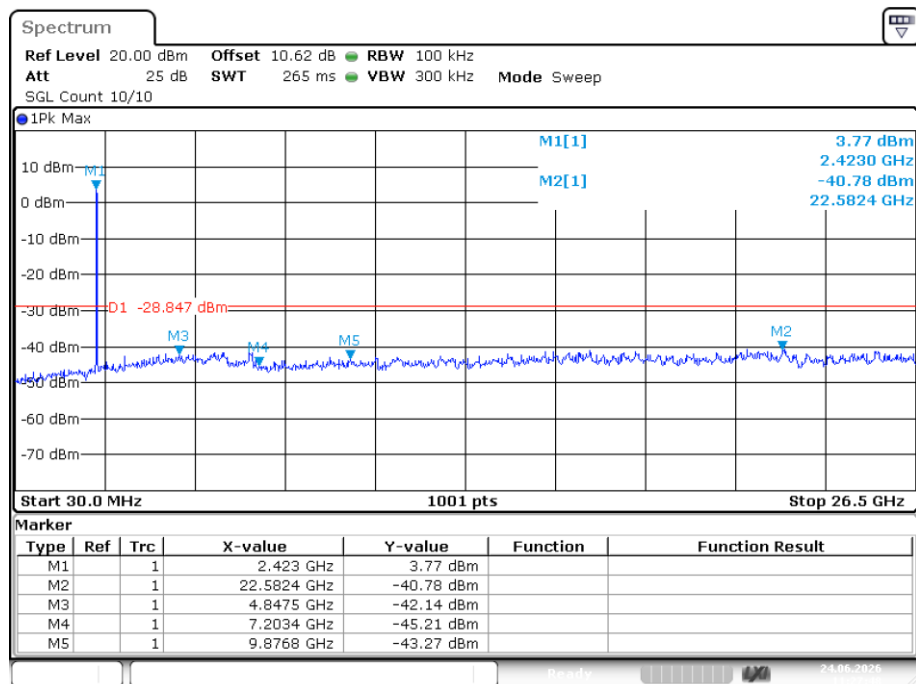
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Tx. Spurious NVNT g 2437MHz Ant1 Ref



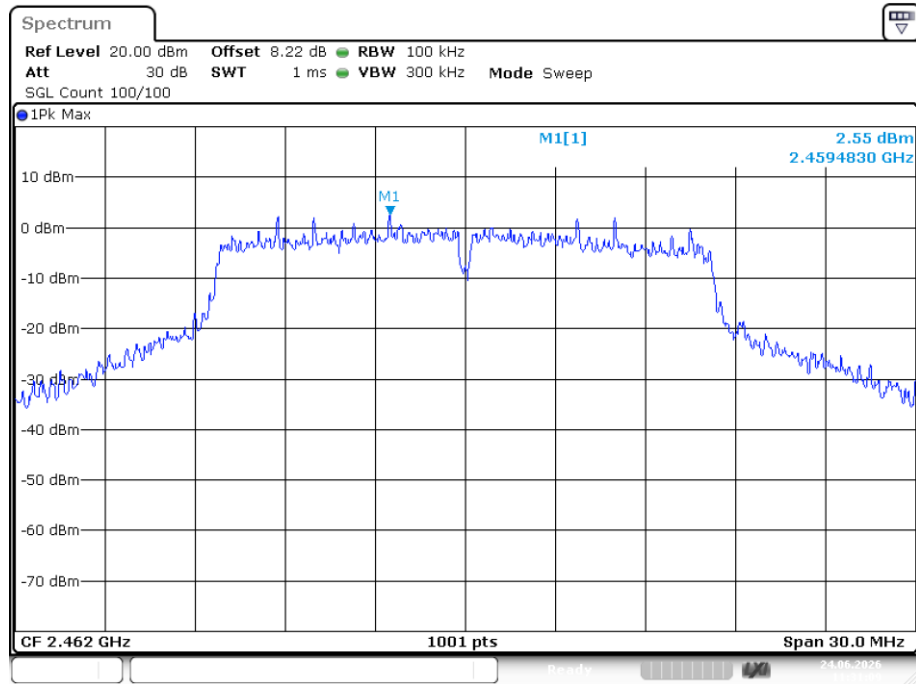
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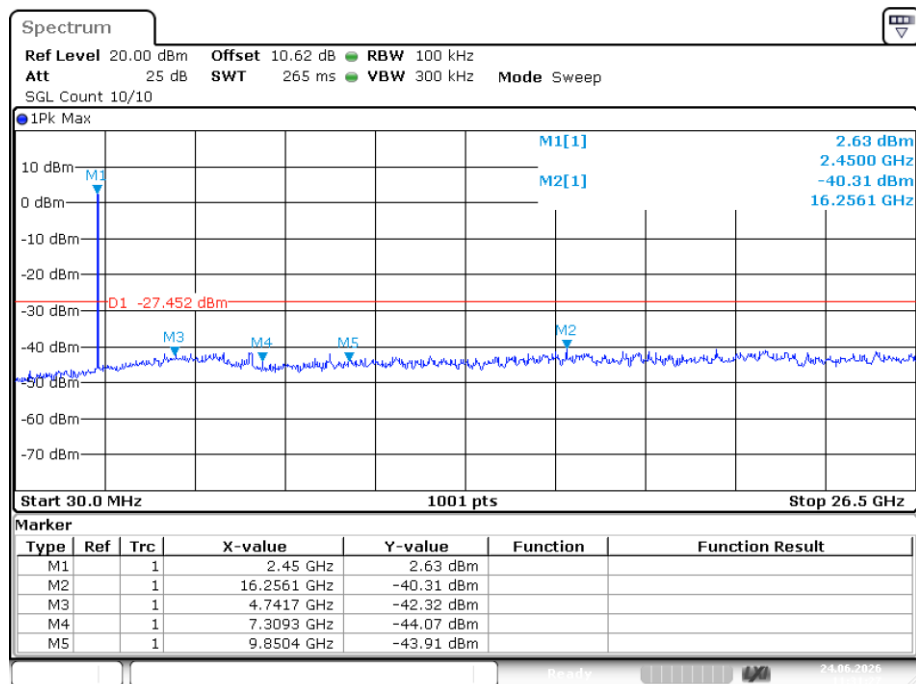
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Tx. Spurious NVNT g 2462MHz Ant1 Ref



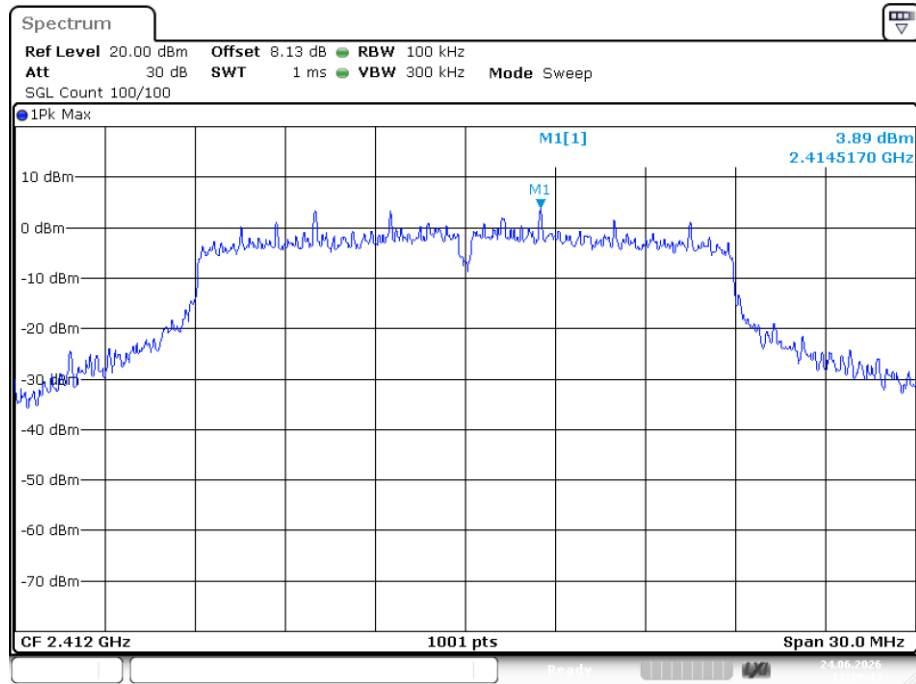
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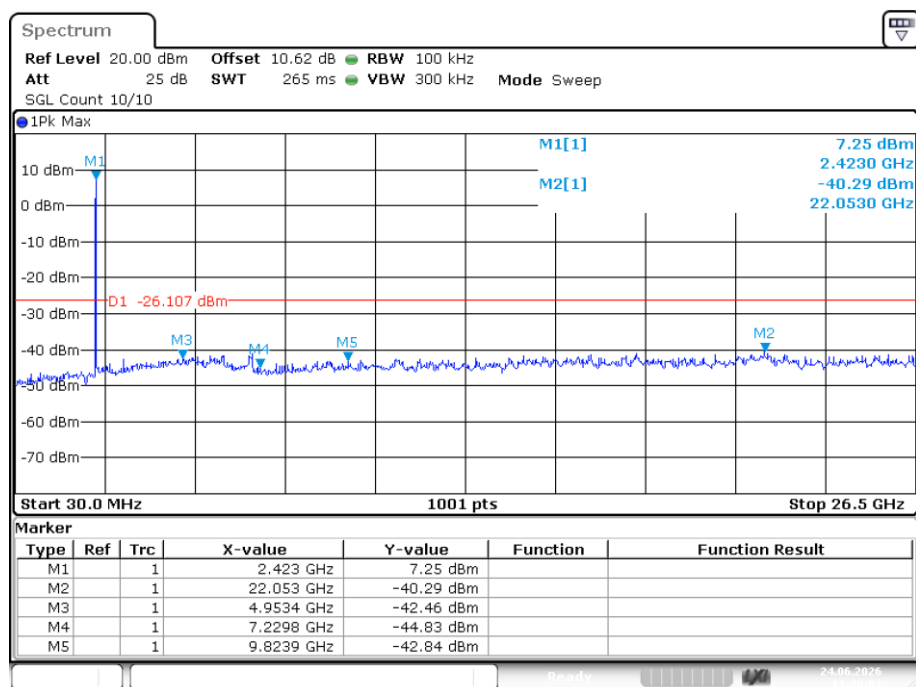
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Tx. Spurious NVNT n20 2412MHz Ant1 Ref



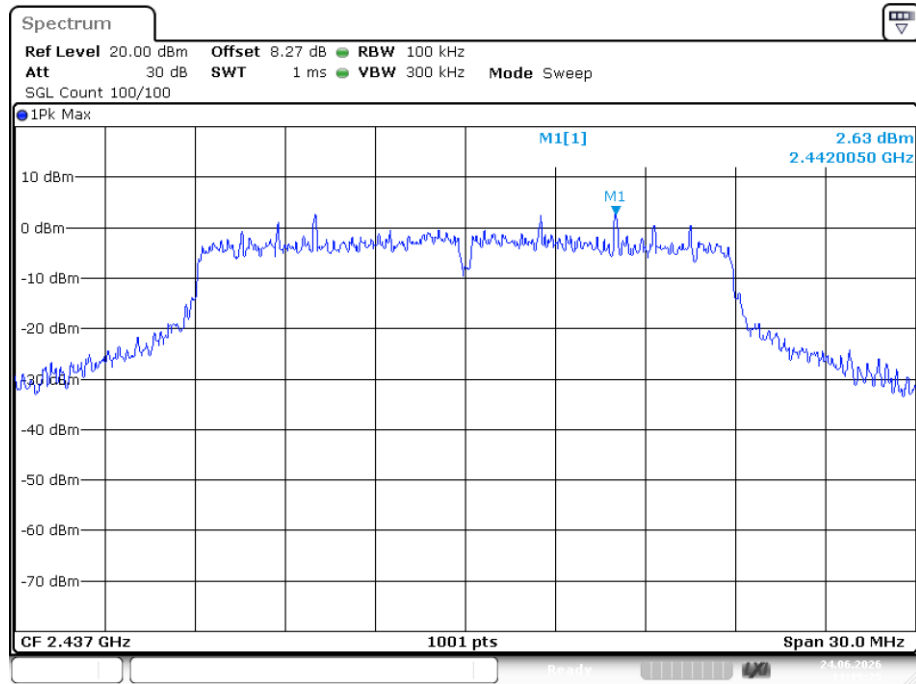
Date: 24.JUN.2026 11:19:42

Tx. Spurious NVNT n20 2412MHz Ant1 Emission



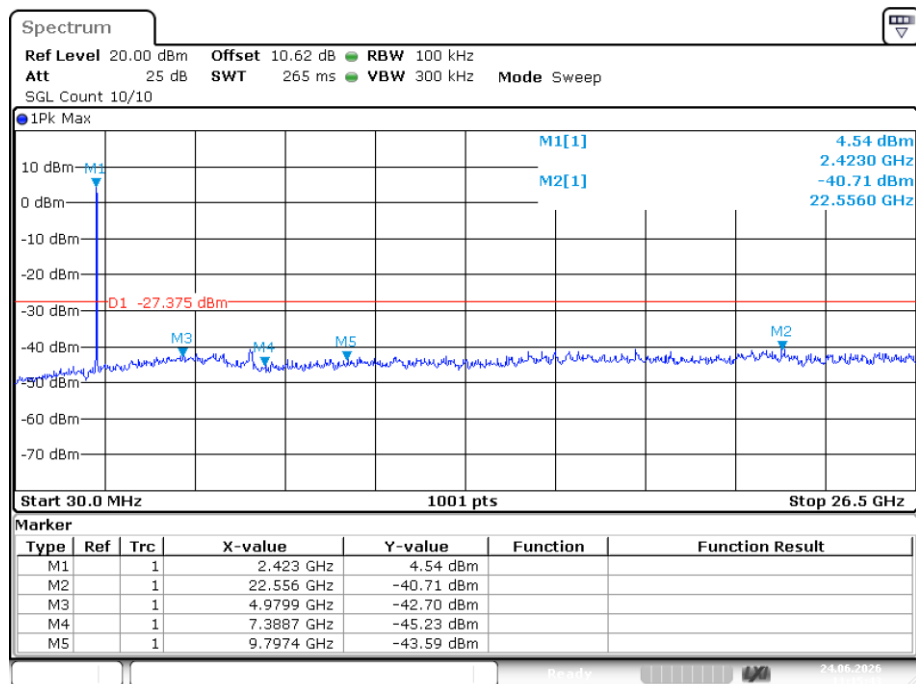
Date: 24.JUN.2026 11:20:00

Tx. Spurious NVNT n20 2437MHz Ant1 Ref



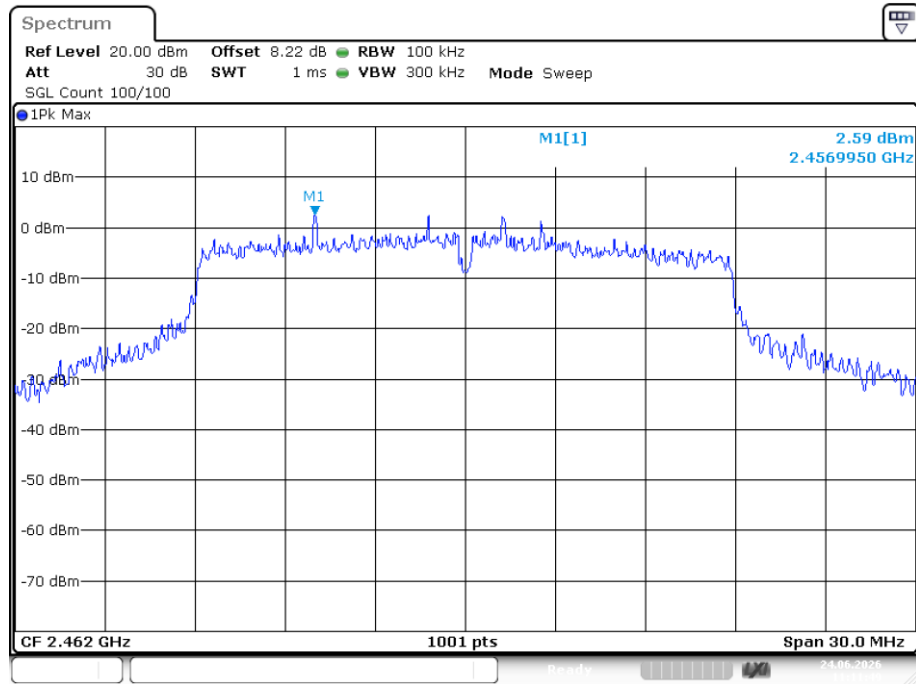
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Tx. Spurious NVNT n20 2437MHz Ant1 Emission



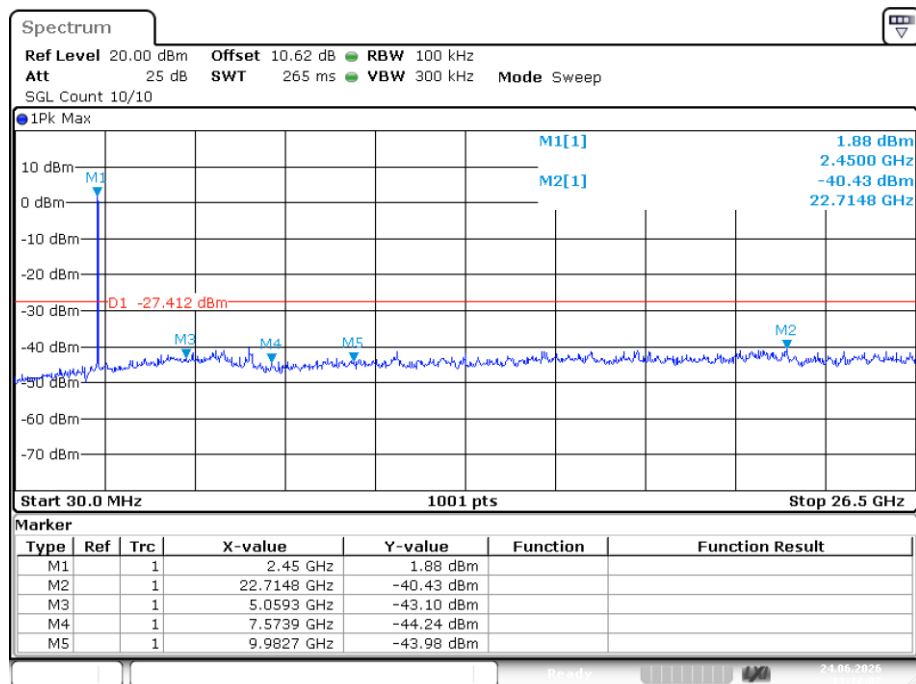
Date: 24.JUN.2026 11:15:42

Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Date: 24.JUN.2026 11:11:49

Tx. Spurious NVNT n20 2462MHz Ant1 Emission



Date: 24.JUN.2026 11:12:07