

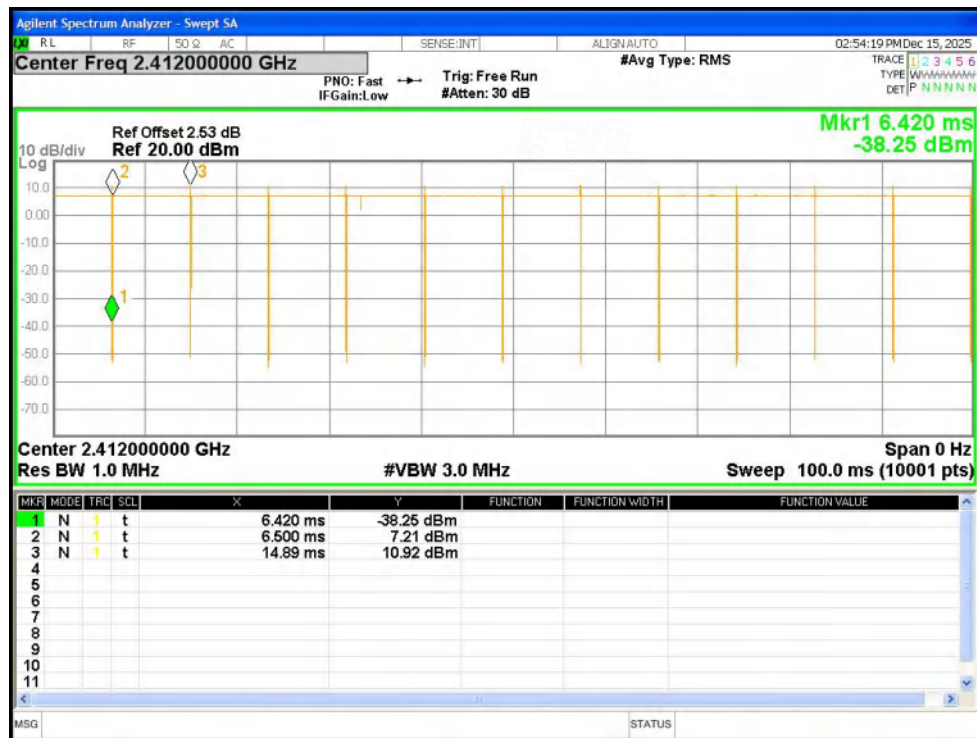
Shenzhen Chuangzhile Intelligent Technology Company Limited

FCC ID: 2A7A6-PFC22

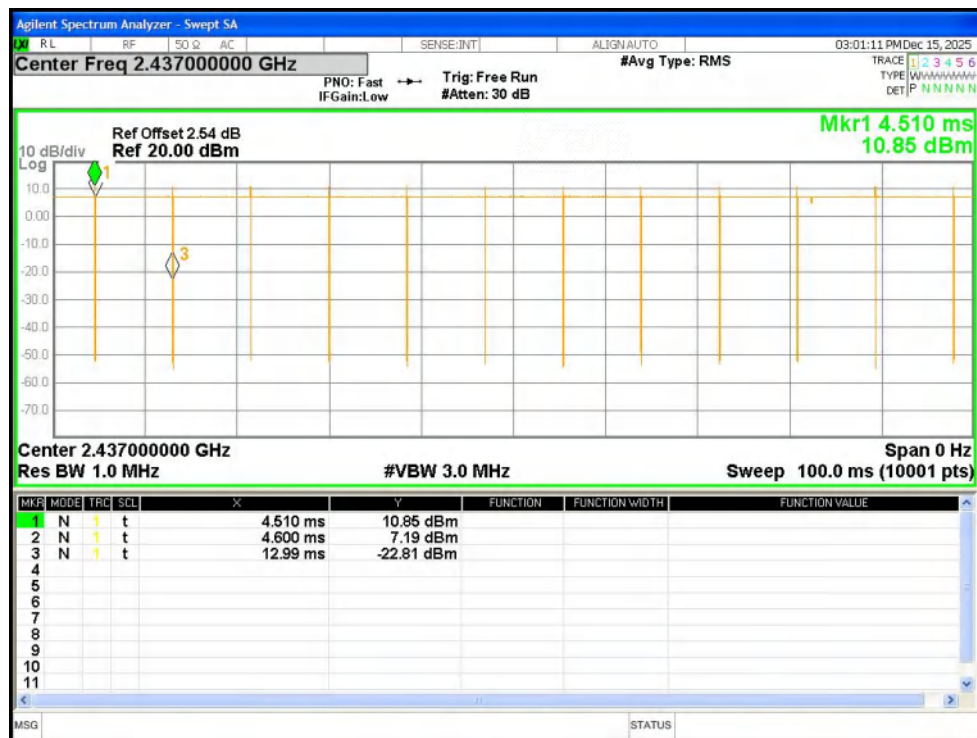
Model:PFC22

1. Duty Cycle

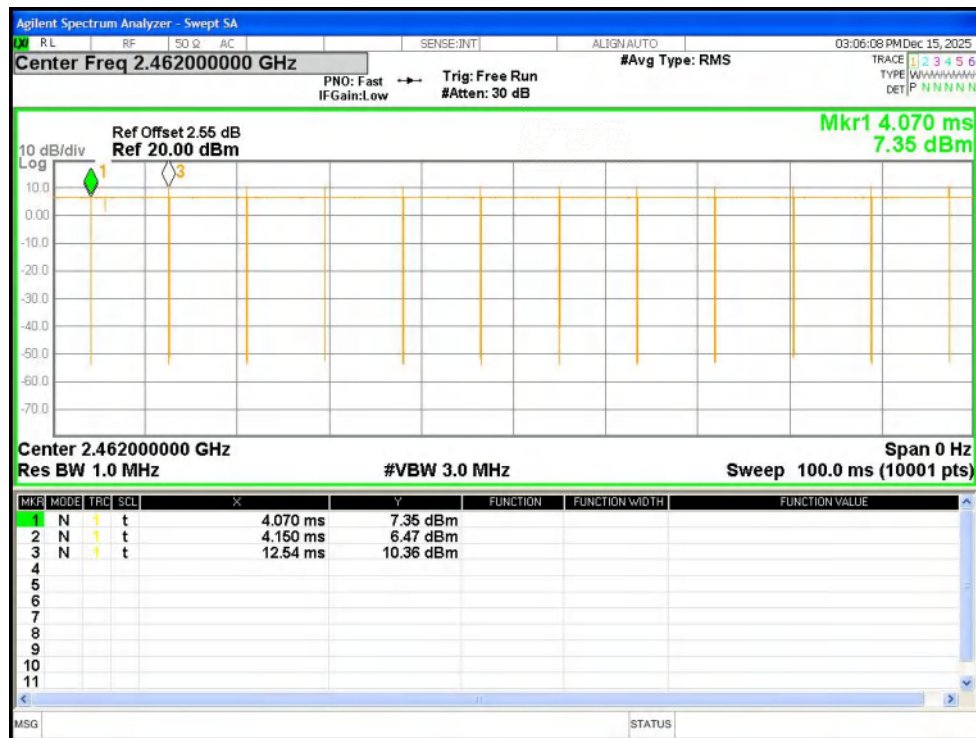
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.06	0	0.12
NVNT	b	2437	Ant1	98.94	0	0.12
NVNT	b	2462	Ant1	99.06	0	0.12
NVNT	g	2412	Ant1	98.58	0	0.72
NVNT	g	2437	Ant1	98.58	0	0.72
NVNT	g	2462	Ant1	98.58	0	0.72
NVNT	n20	2412	Ant1	99.49	0	0.25
NVNT	n20	2437	Ant1	98.48	0	0.77
NVNT	n20	2462	Ant1	99.24	0	0.38
NVNT	n40	2422	Ant1	100	0	0
NVNT	n40	2437	Ant1	100	0	0
NVNT	n40	2452	Ant1	100	0	0



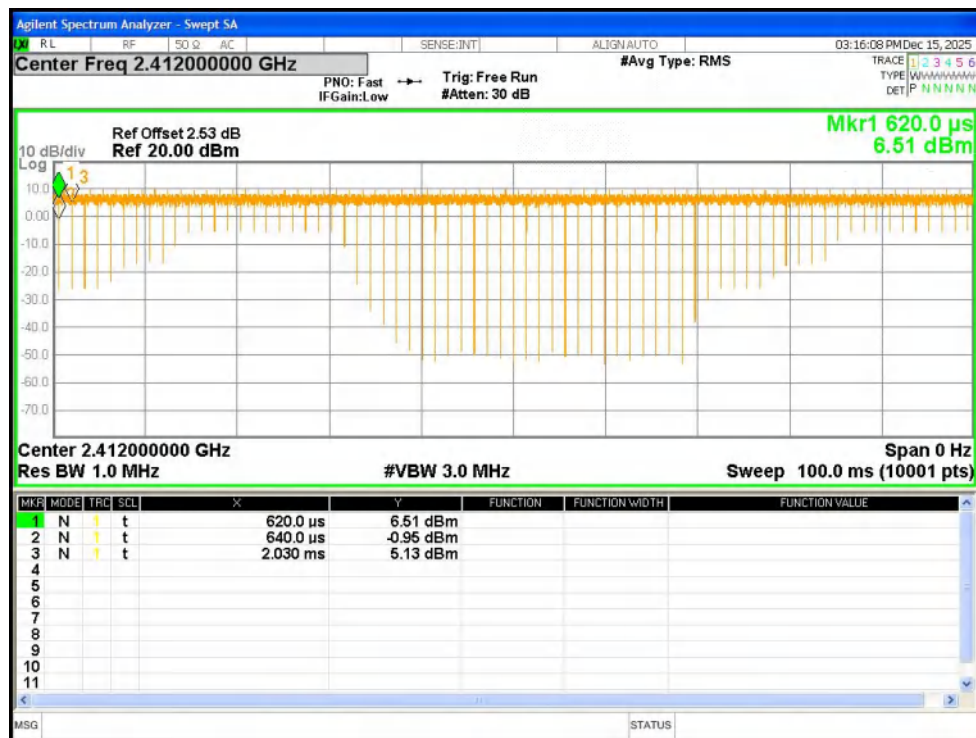
Duty Cycle NVNT b 2412MHz Ant1



Duty Cycle NVNT b 2437MHz Ant1

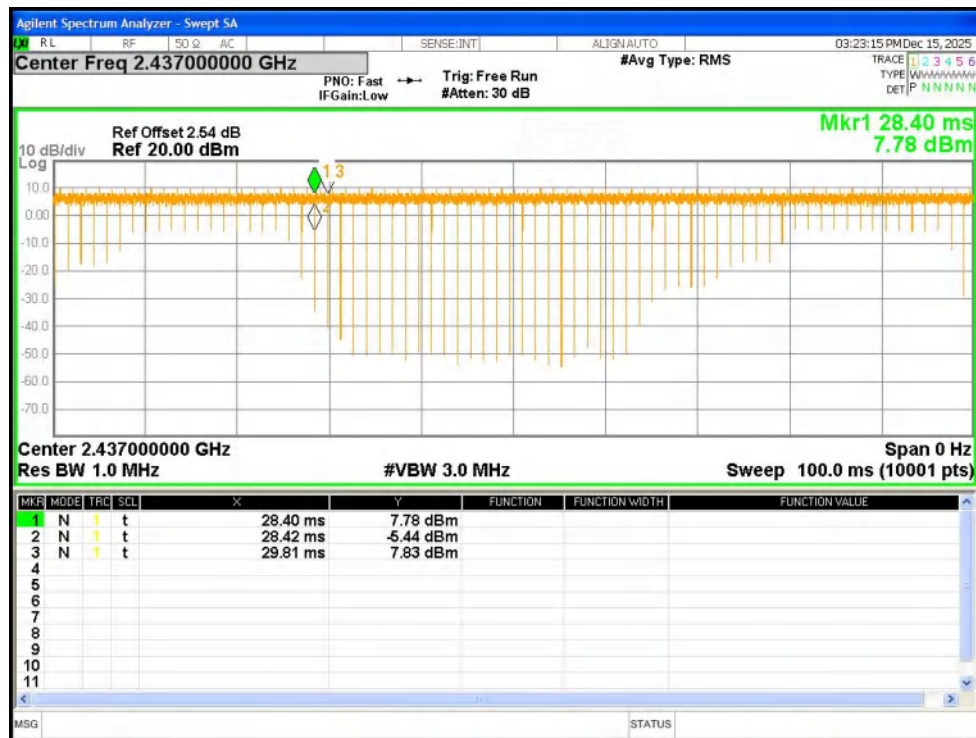


Duty Cycle NVNT b 2462MHz Ant1

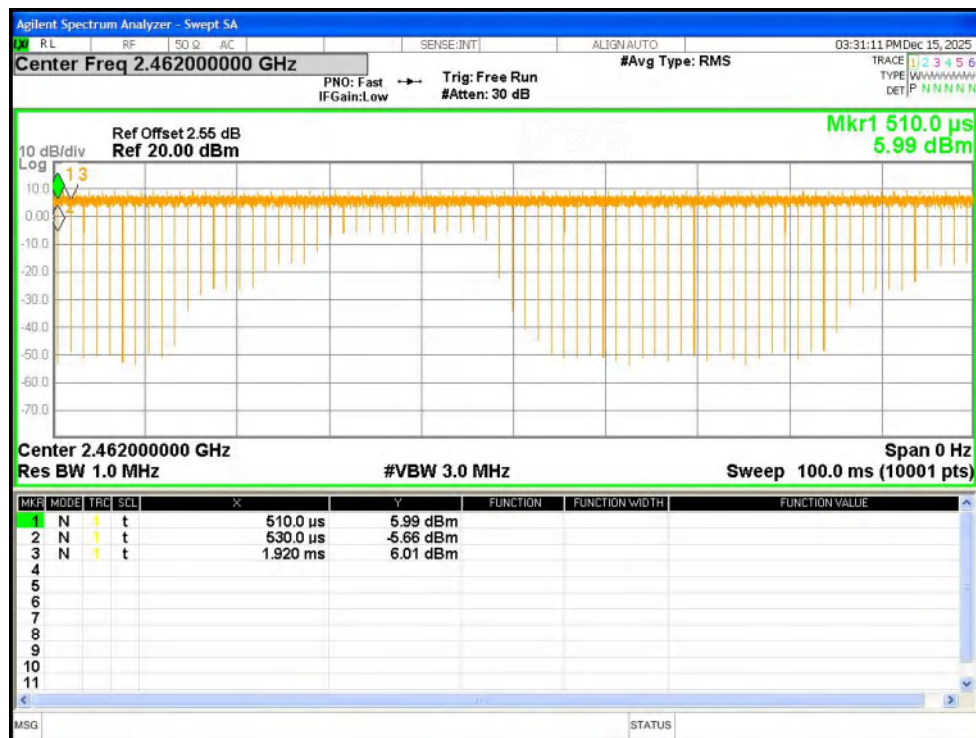


Duty Cycle NVNT g 2412MHz Ant1

Report

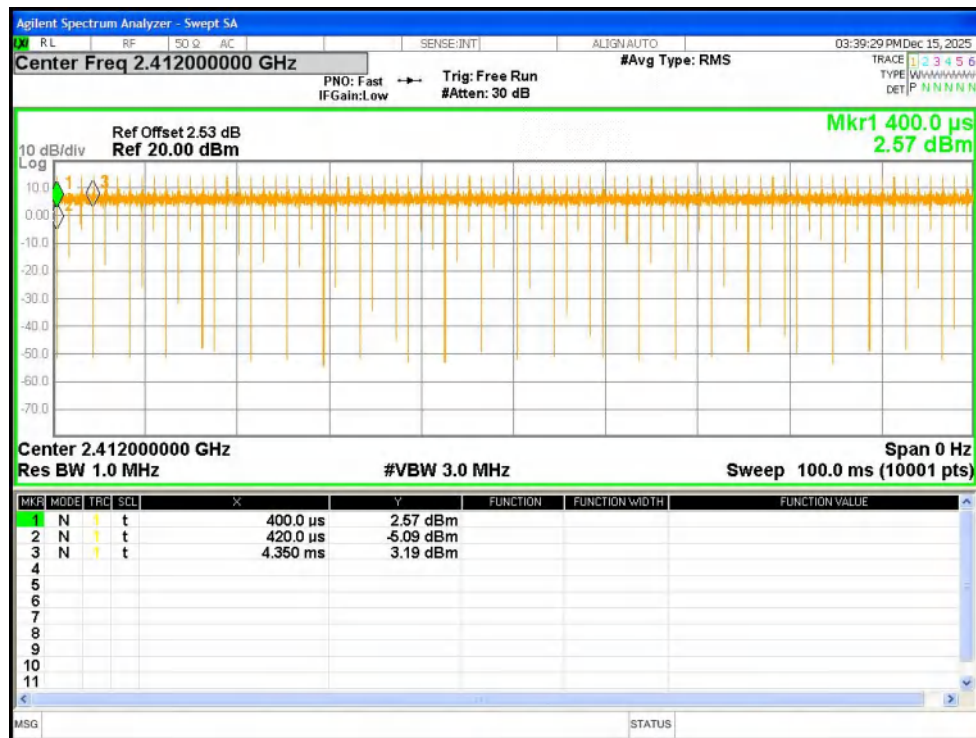


Duty Cycle NVNT g 2437MHz Ant1

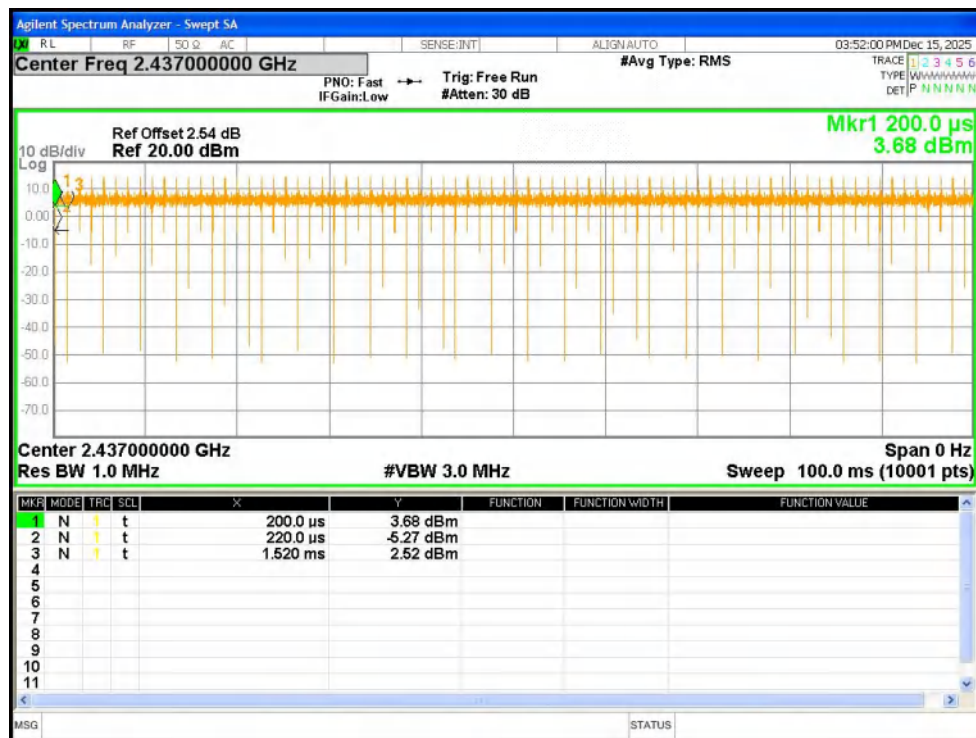


Duty Cycle NVNT g 2462MHz Ant1

Report

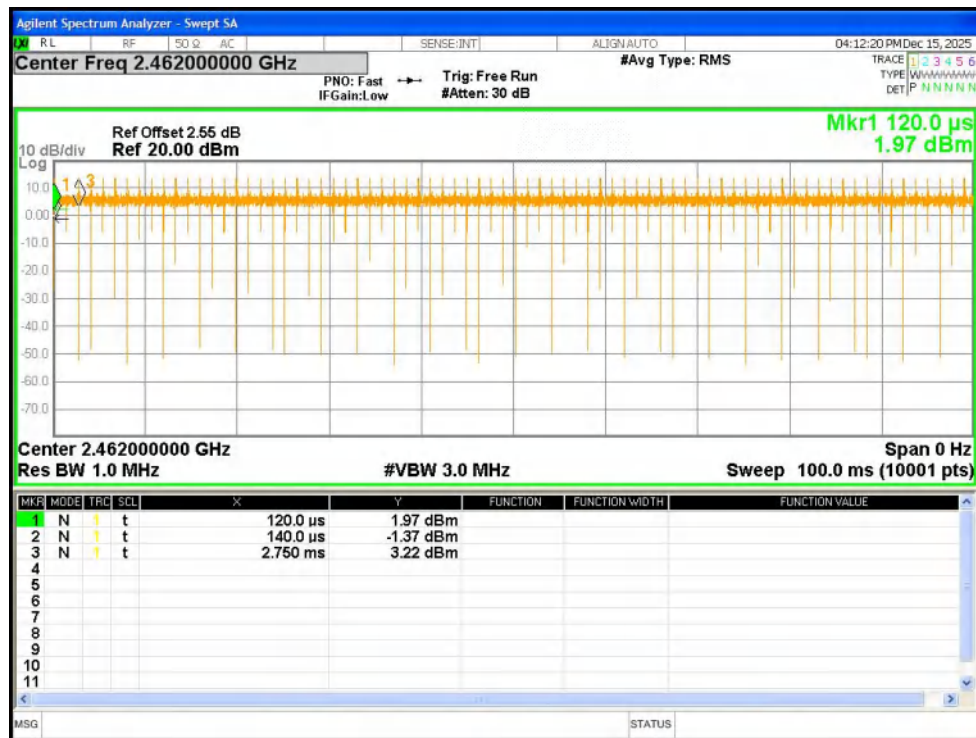


Duty Cycle NVNT n20 2412MHz Ant1

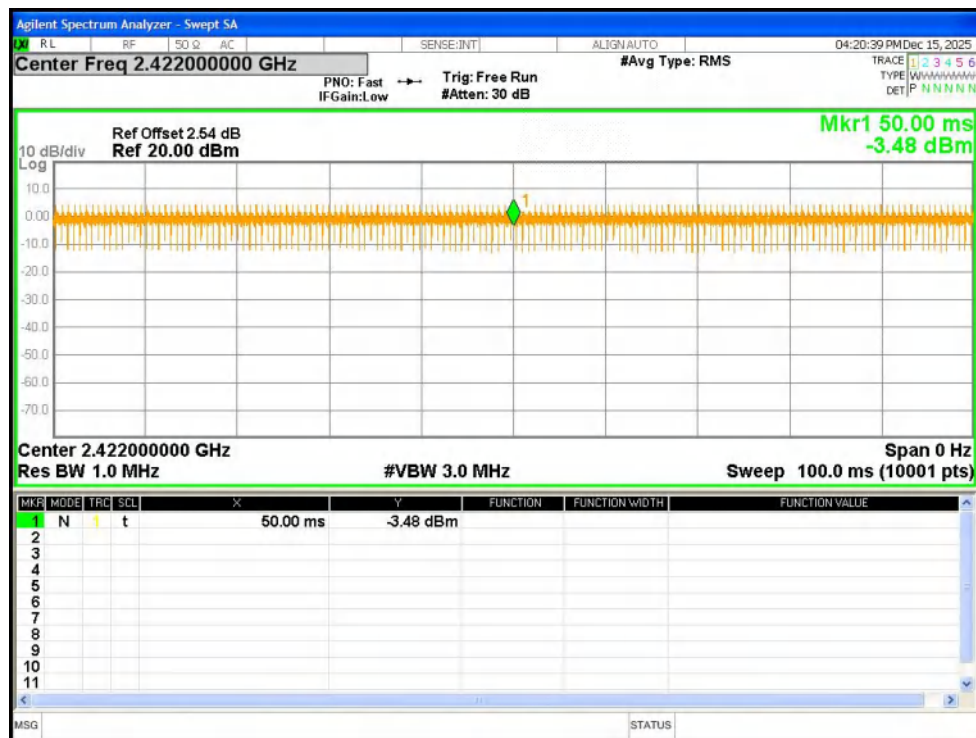


Duty Cycle NVNT n20 2437MHz Ant1

Report

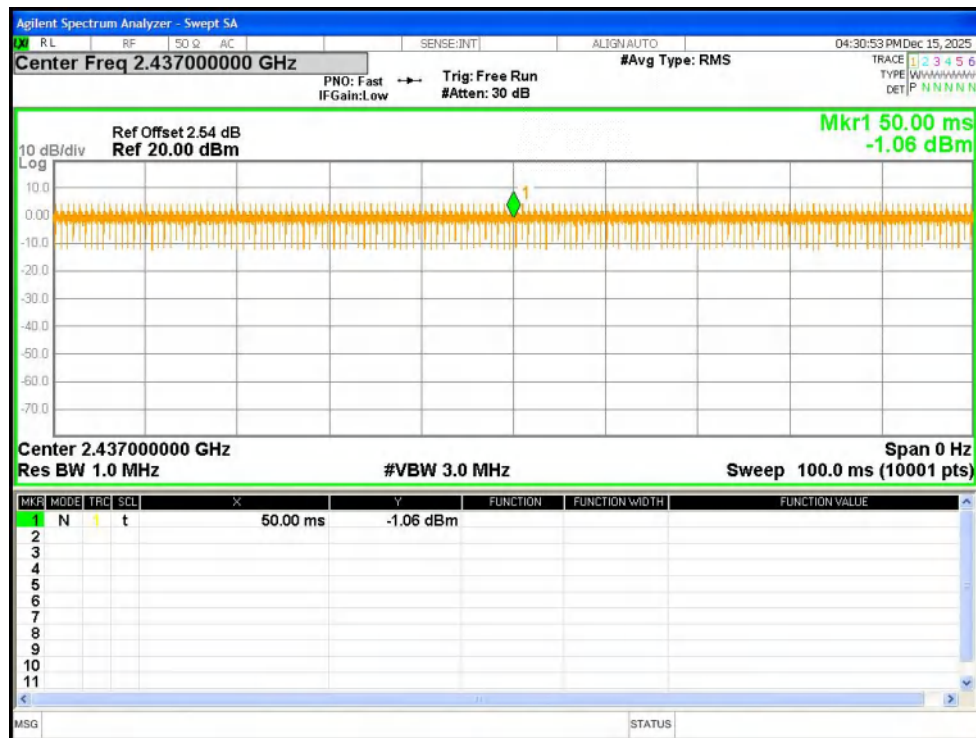


Duty Cycle NVNT n20 2462MHz Ant1

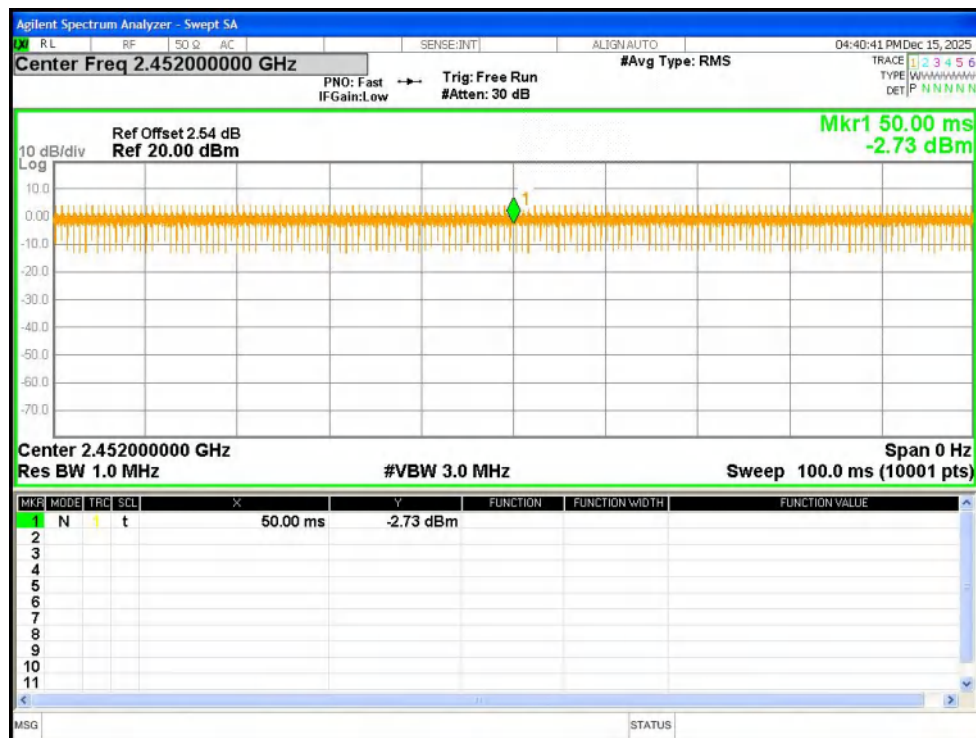


Duty Cycle NVNT n40 2422MHz Ant1

Report



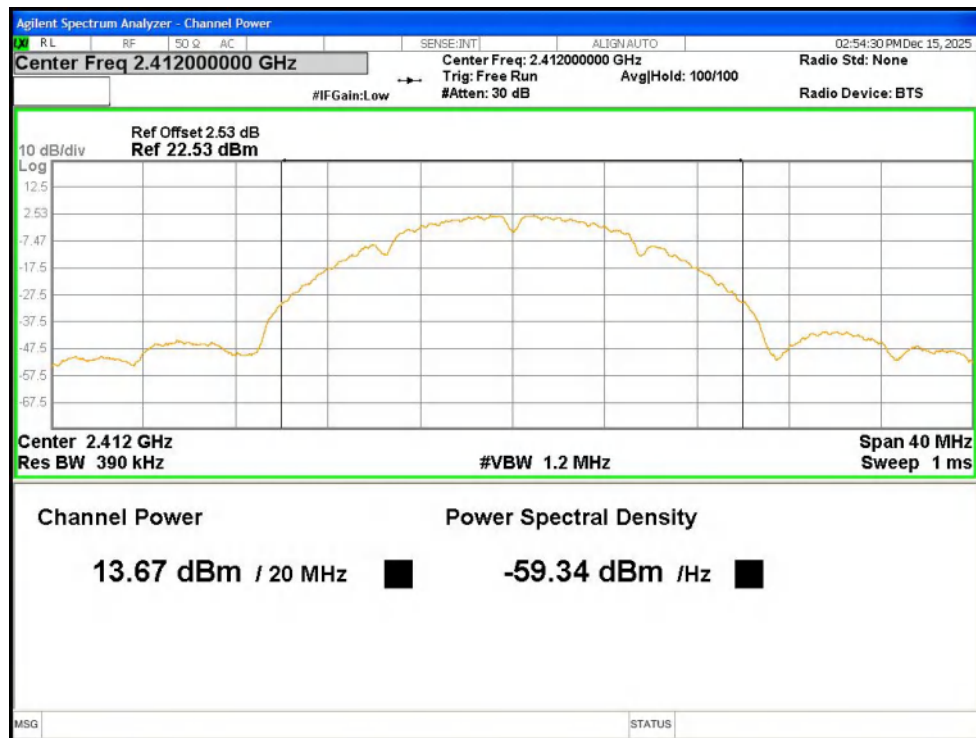
Duty Cycle NVNT n40 2437MHz Ant1



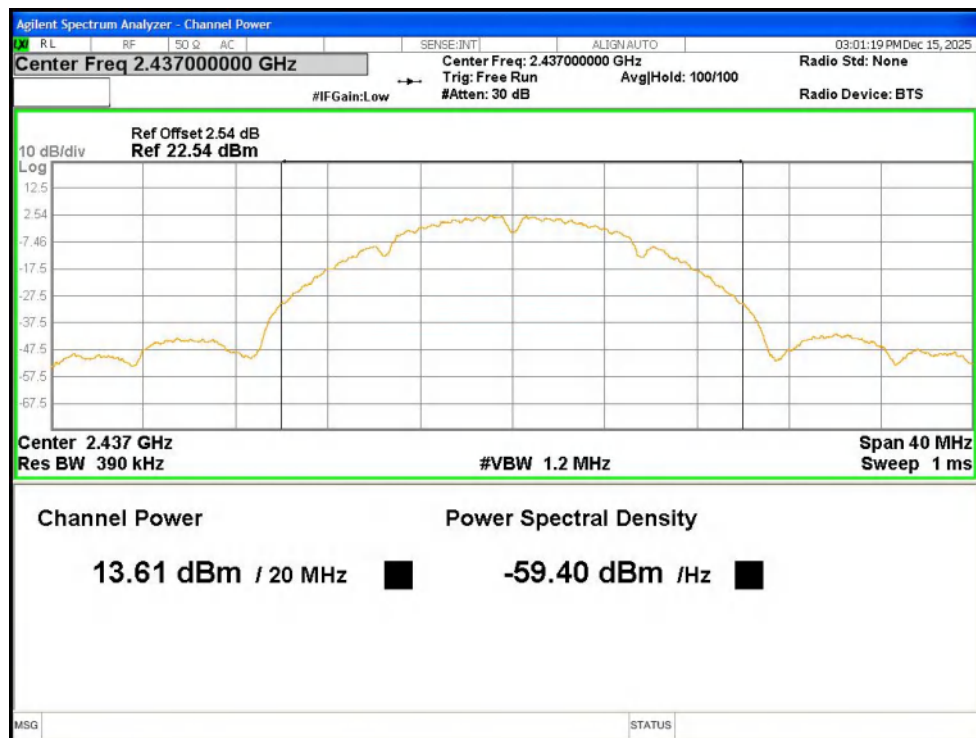
Duty Cycle NVNT n40 2452MHz Ant1

2. Maximum Average Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	13.67	0	13.67	30	Pass
NVNT	b	2437	Ant1	13.61	0	13.61	30	Pass
NVNT	b	2462	Ant1	13.07	0	13.07	30	Pass
NVNT	g	2412	Ant1	13.7	0	13.7	30	Pass
NVNT	g	2437	Ant1	13.63	0	13.63	30	Pass
NVNT	g	2462	Ant1	13.21	0	13.21	30	Pass
NVNT	n20	2412	Ant1	13.46	0	13.46	30	Pass
NVNT	n20	2437	Ant1	13.46	0	13.46	30	Pass
NVNT	n20	2462	Ant1	13.01	0	13.01	30	Pass
NVNT	n40	2422	Ant1	13.68	0	13.68	30	Pass
NVNT	n40	2437	Ant1	13.79	0	13.79	30	Pass
NVNT	n40	2452	Ant1	13.48	0	13.48	30	Pass

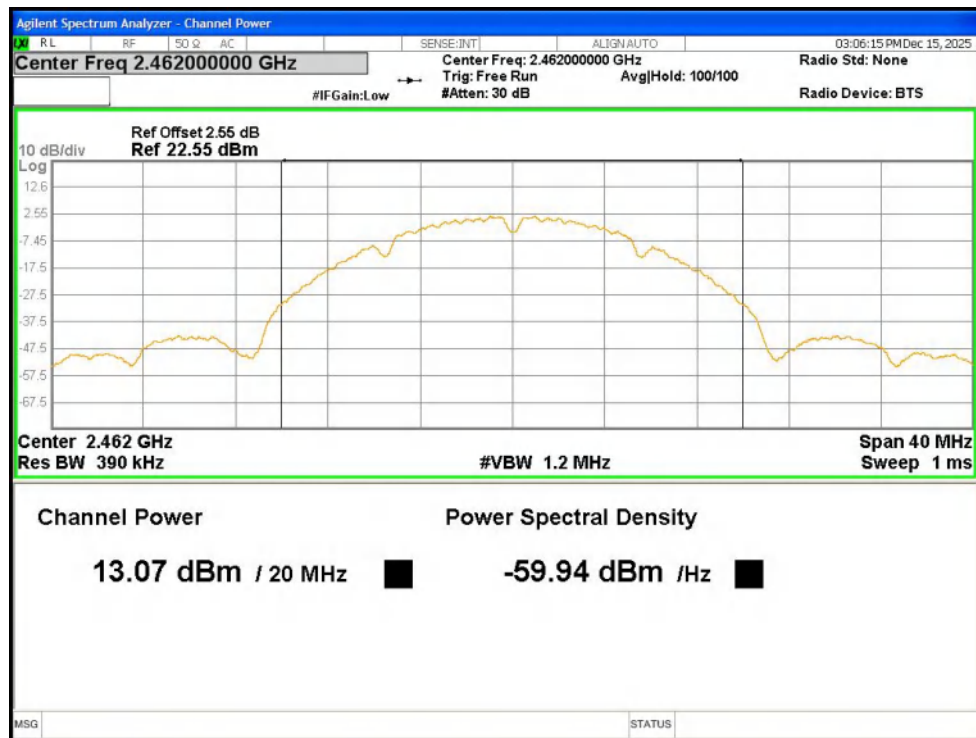


Average Power NVNT b 2412MHz Ant1

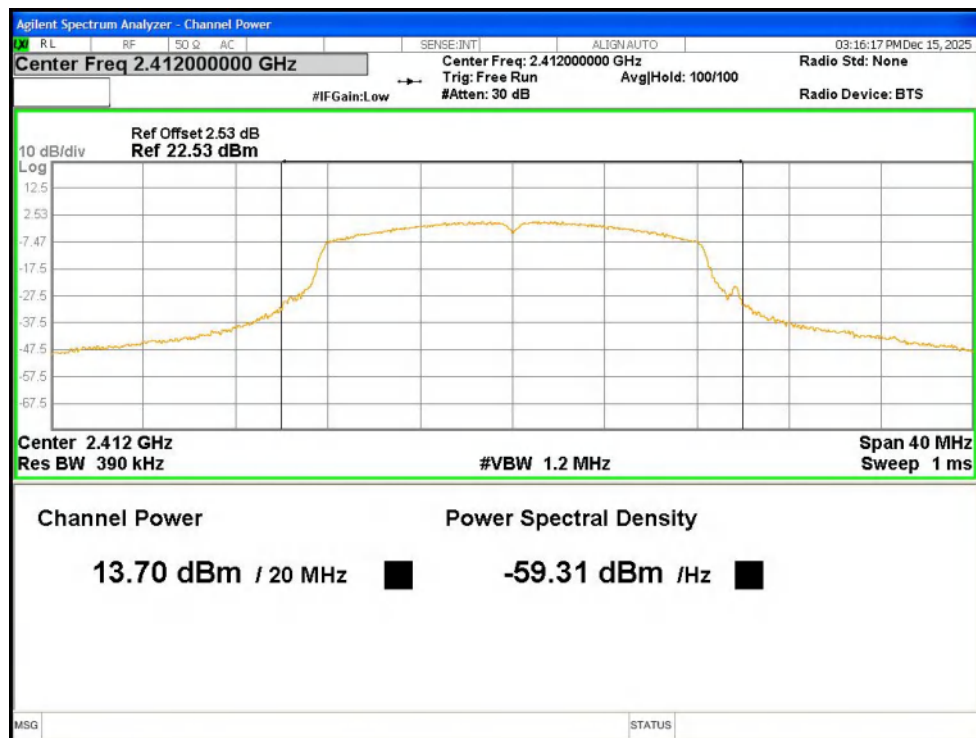


Average Power NVNT b 2437MHz Ant1

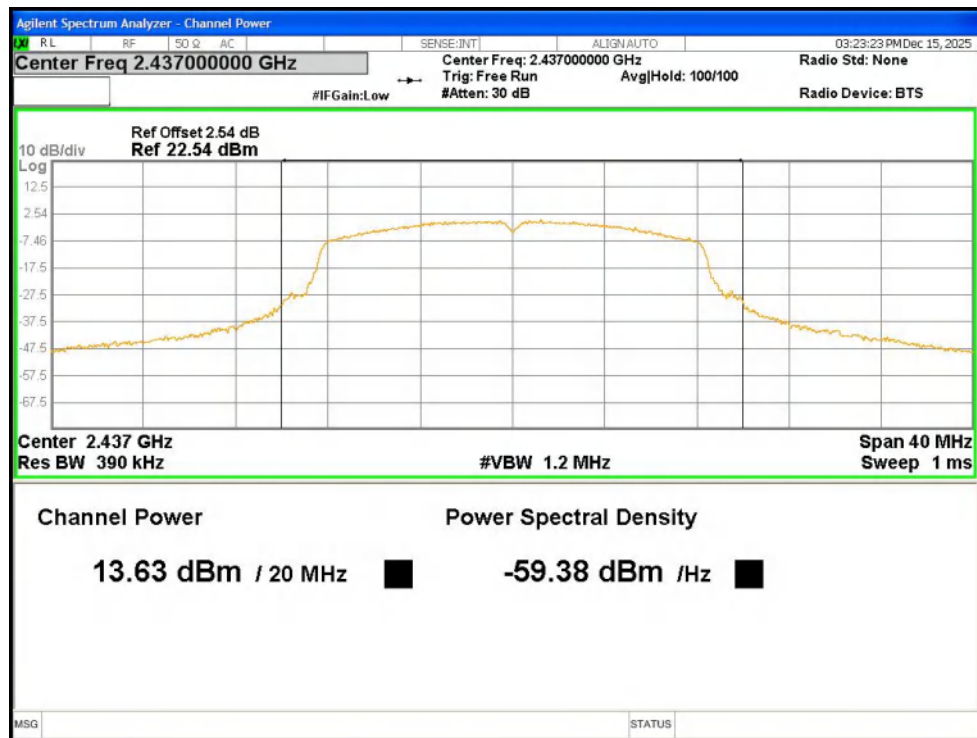
Report



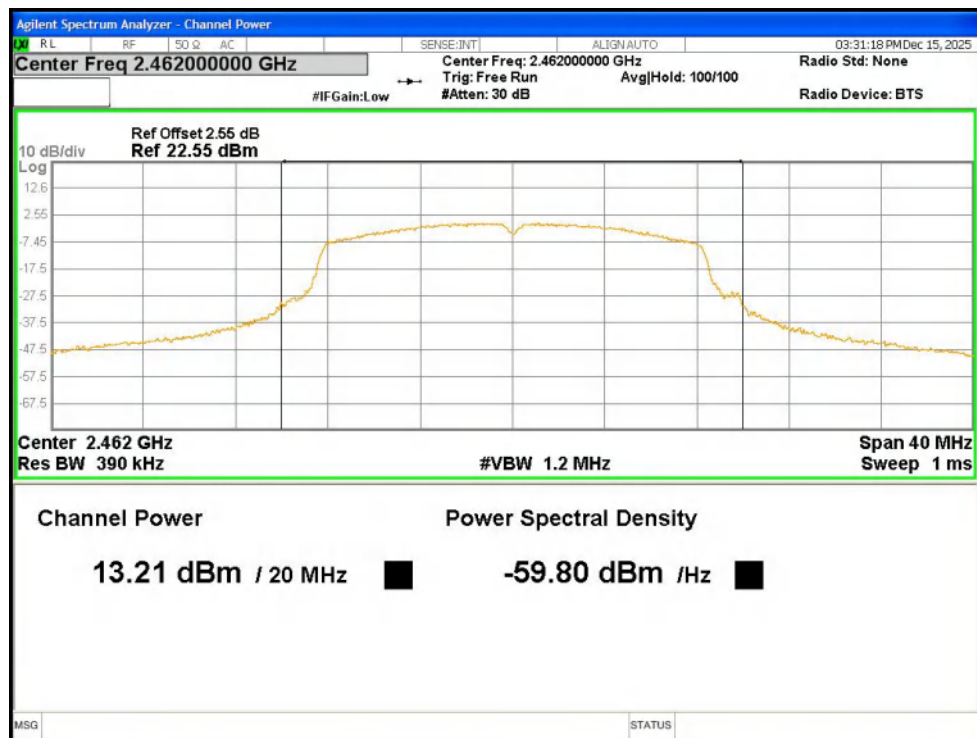
Average Power NVNT b 2462MHz Ant1



Average Power NVNT g 2412MHz Ant1

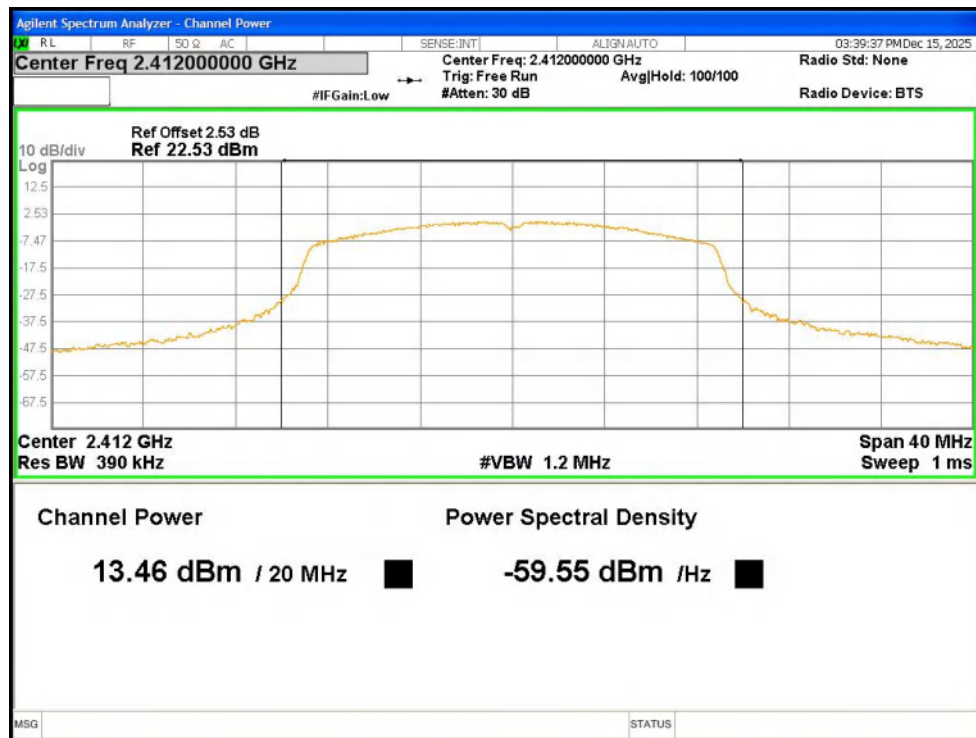


Average Power NVNT g 2437MHz Ant1

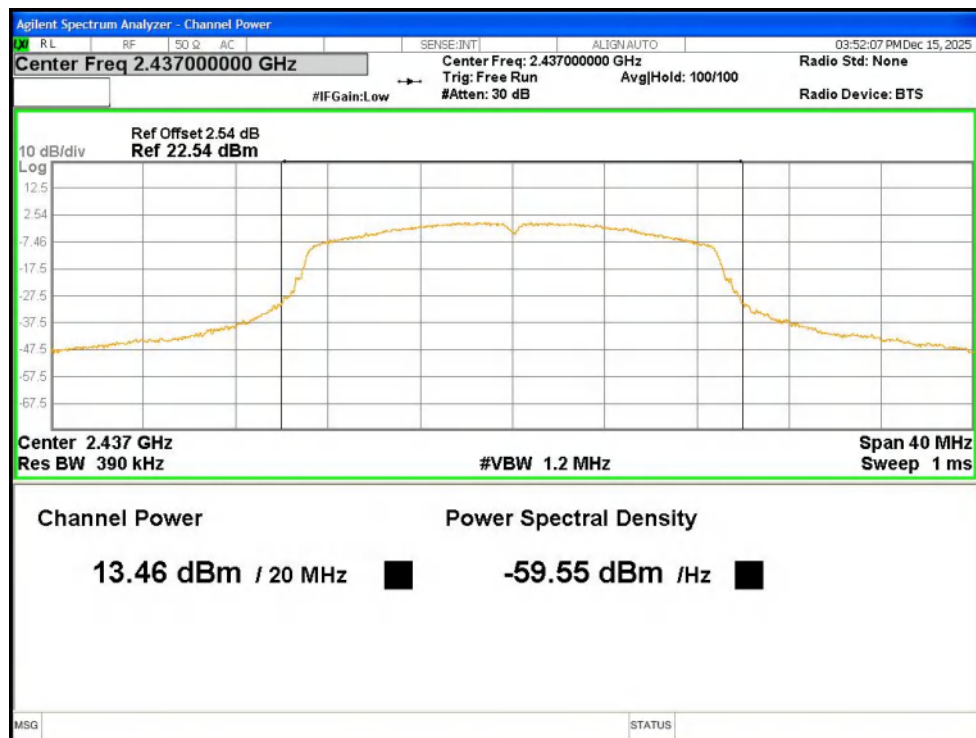


Average Power NVNT g 2462MHz Ant1

Report

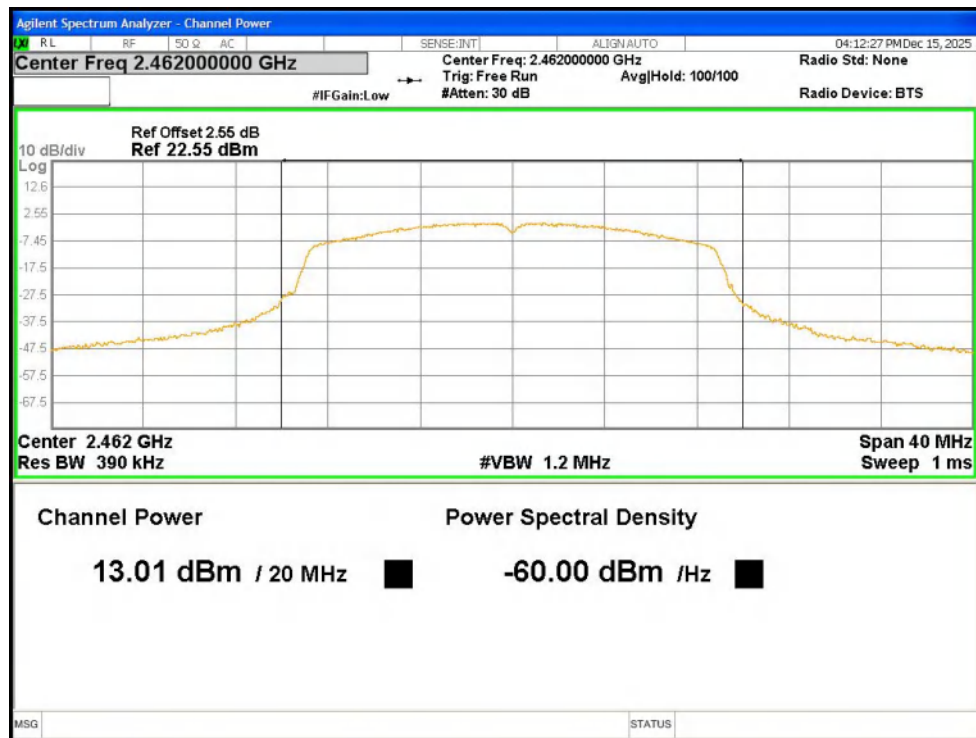


Average Power NVNT n20 2412MHz Ant1

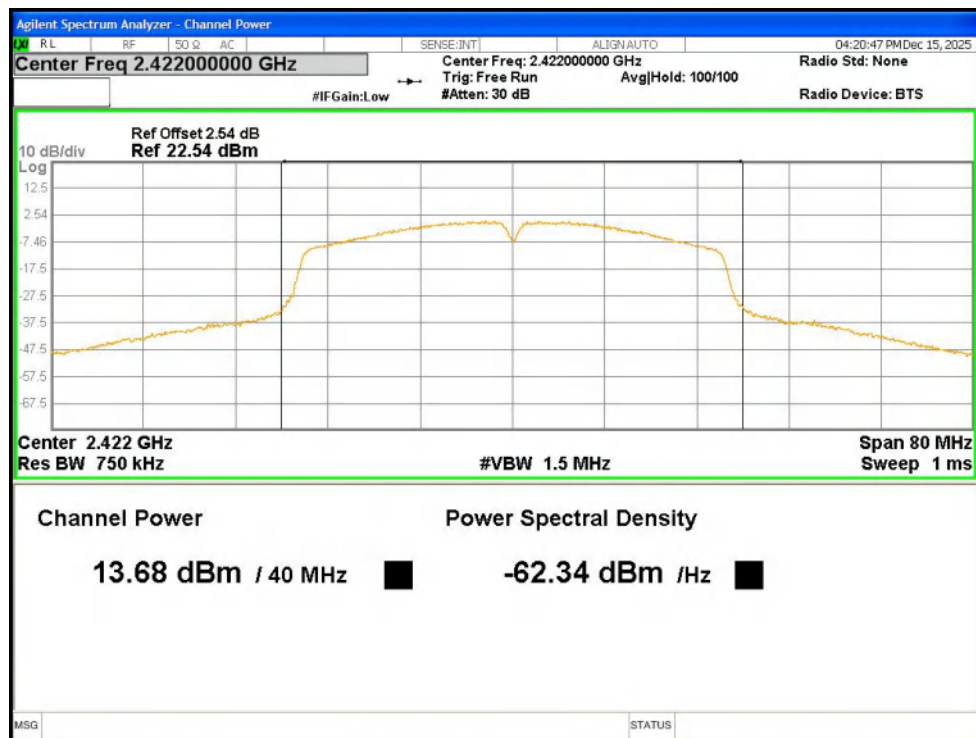


Average Power NVNT n20 2437MHz Ant1

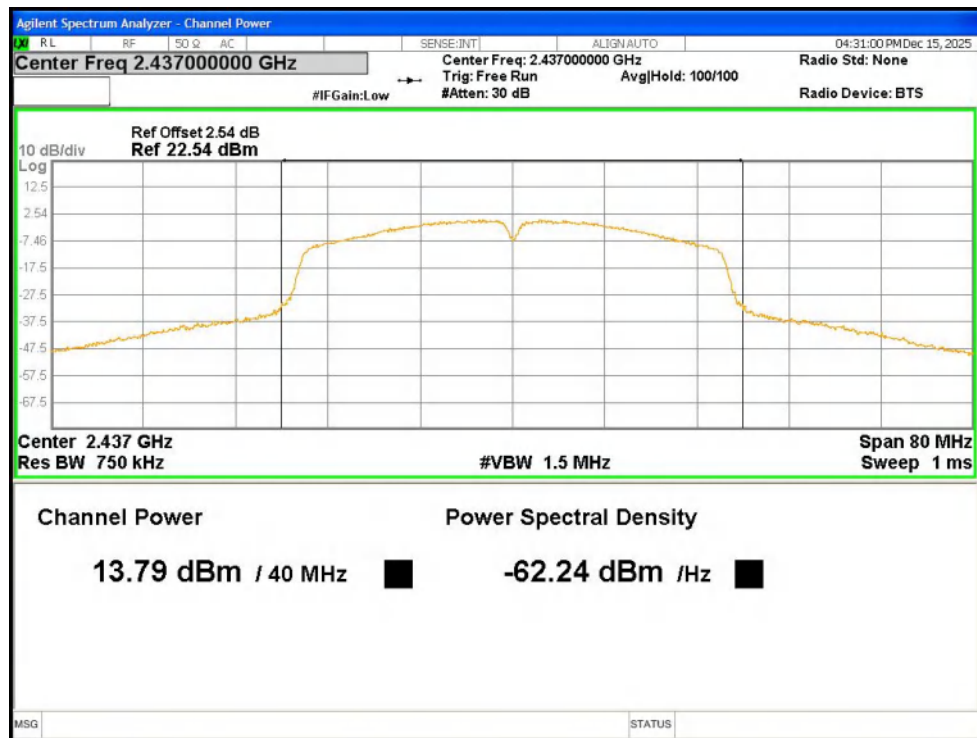
Report



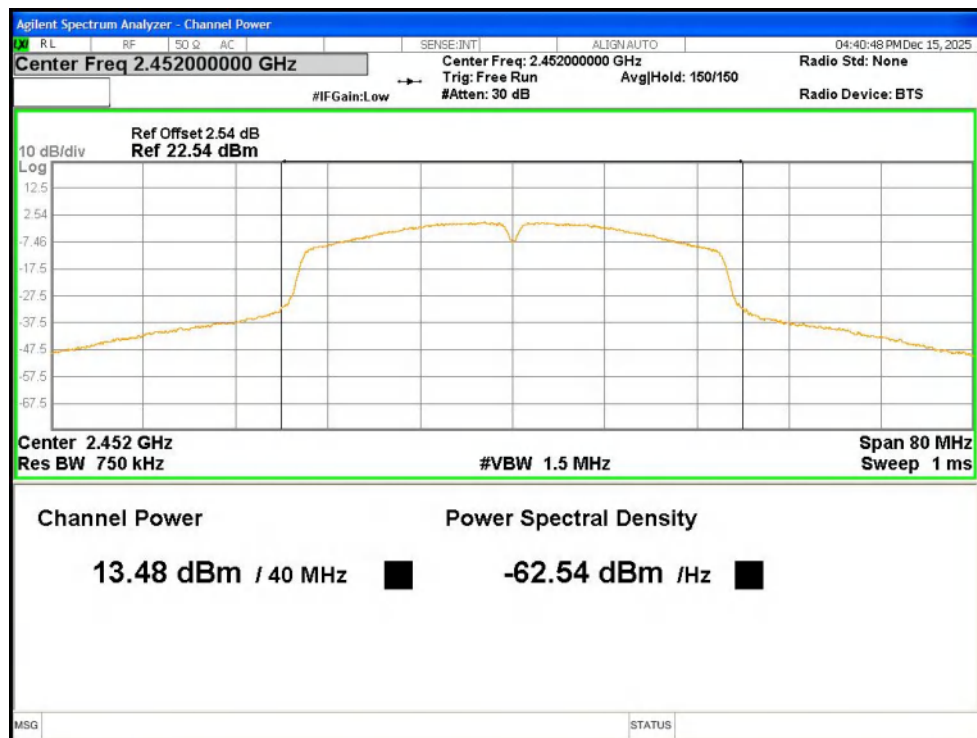
Average Power NVNT n20 2462MHz Ant1



Average Power NVNT n40 2422MHz Ant1



Average Power NVNT n40 2437MHz Ant1

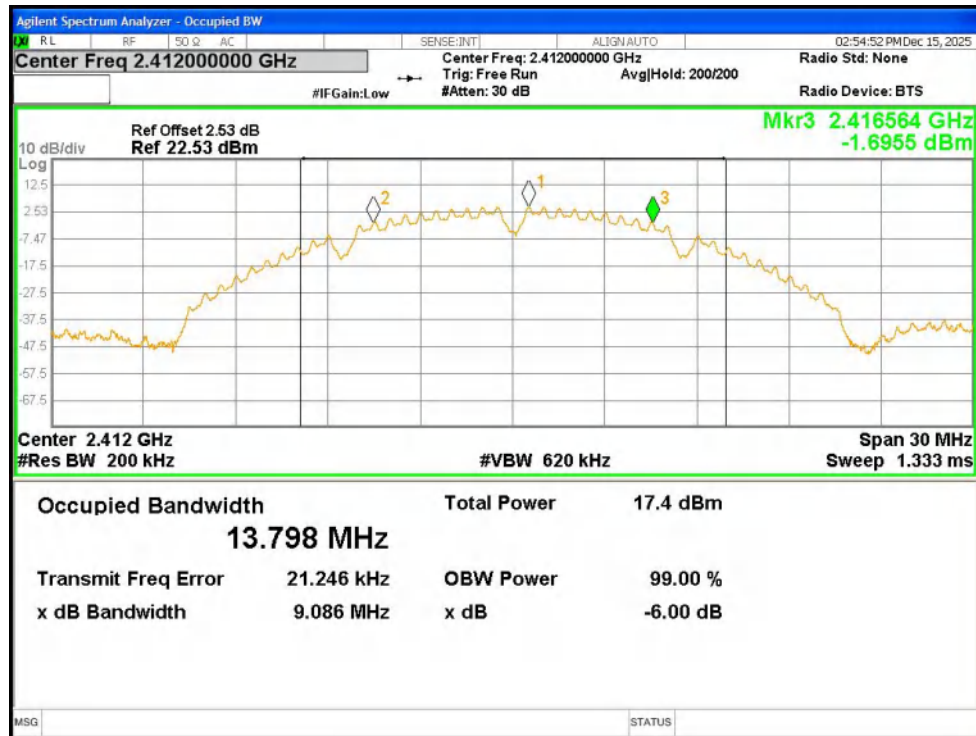


Average Power NVNT n40 2452MHz Ant1

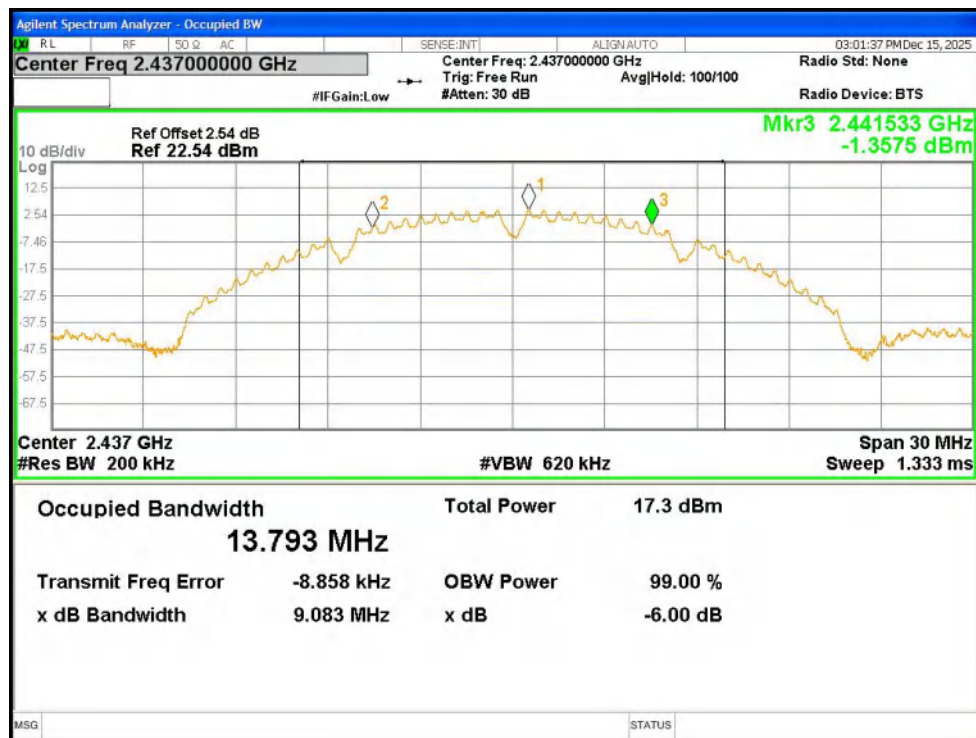
3. -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.086	0.5	Pass
NVNT	b	2437	Ant1	9.083	0.5	Pass
NVNT	b	2462	Ant1	9.089	0.5	Pass
NVNT	g	2412	Ant1	13.377	0.5	Pass
NVNT	g	2437	Ant1	14.263	0.5	Pass
NVNT	g	2462	Ant1	14.263	0.5	Pass
NVNT	n20	2412	Ant1	18.354	0.5	Pass
NVNT	n20	2437	Ant1	13.725	0.5	Pass
NVNT	n20	2462	Ant1	14.758	0.5	Pass
NVNT	n40	2422	Ant1	23.815	0.5	Pass
NVNT	n40	2437	Ant1	25.02	0.5	Pass
NVNT	n40	2452	Ant1	24.628	0.5	Pass

Report

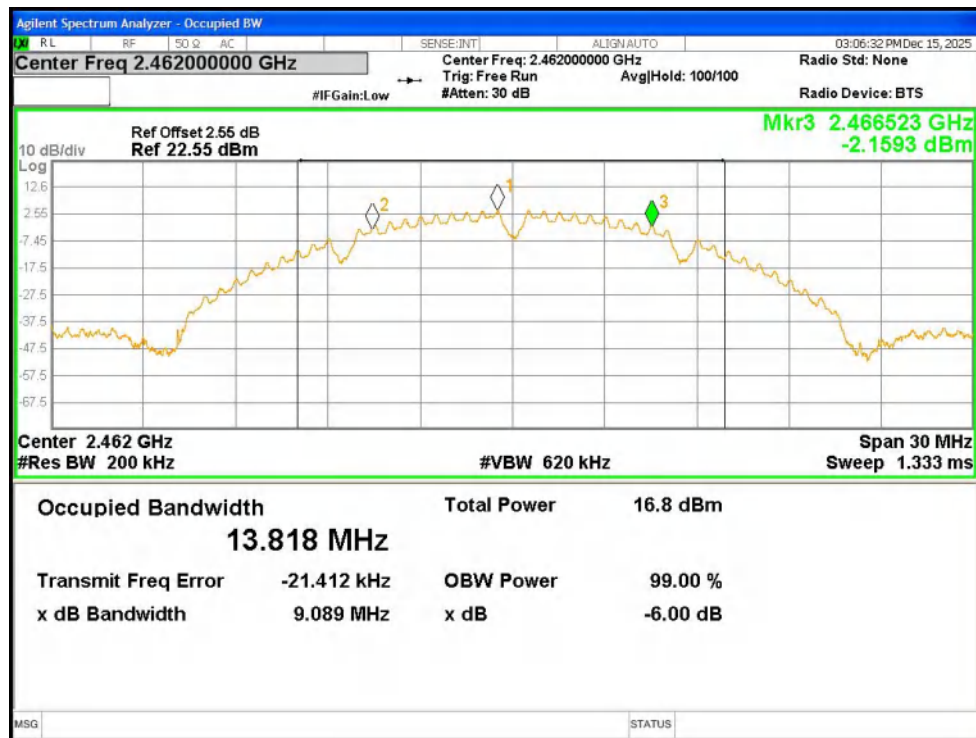


-6dB Bandwidth NVNT b 2412MHz Ant1

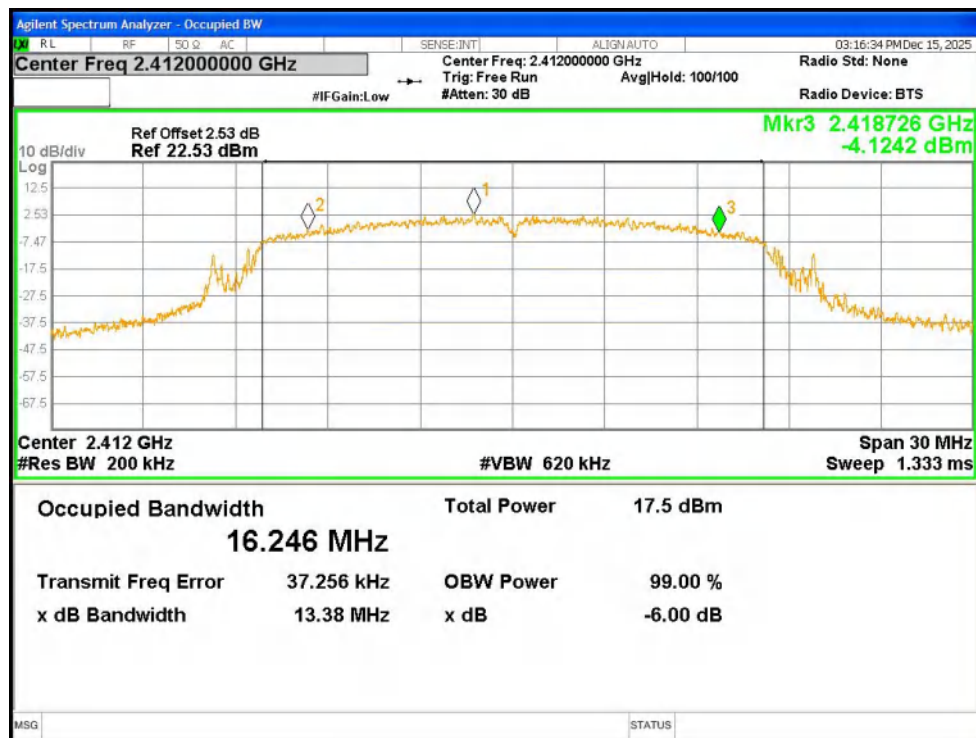


-6dB Bandwidth NVNT b 2437MHz Ant1

Report

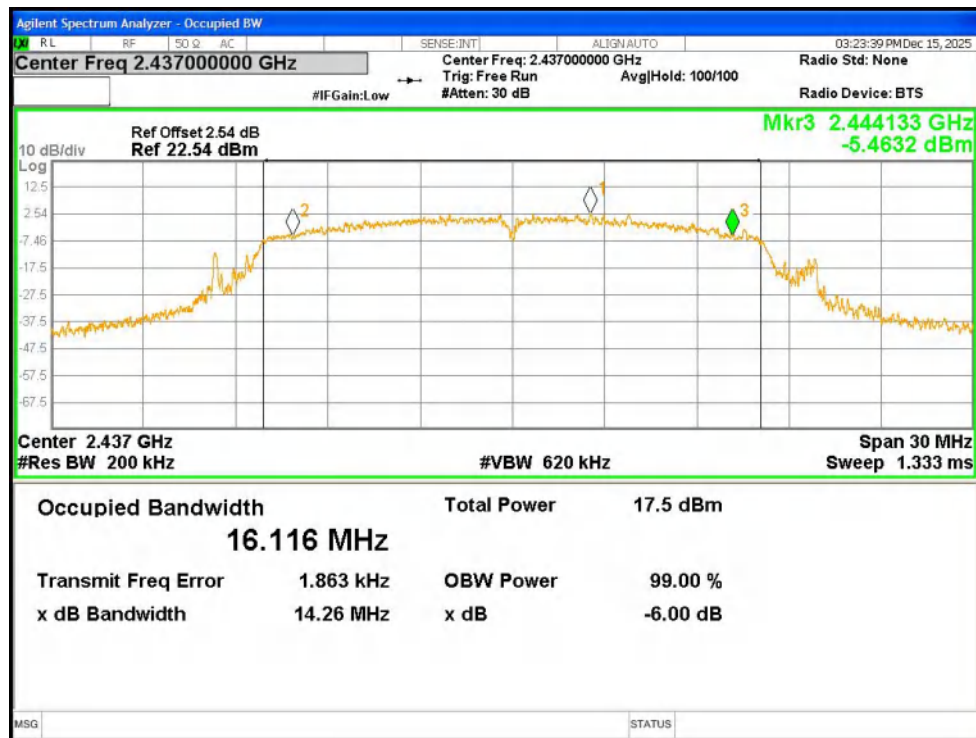


-6dB Bandwidth NVNT b 2462MHz Ant1

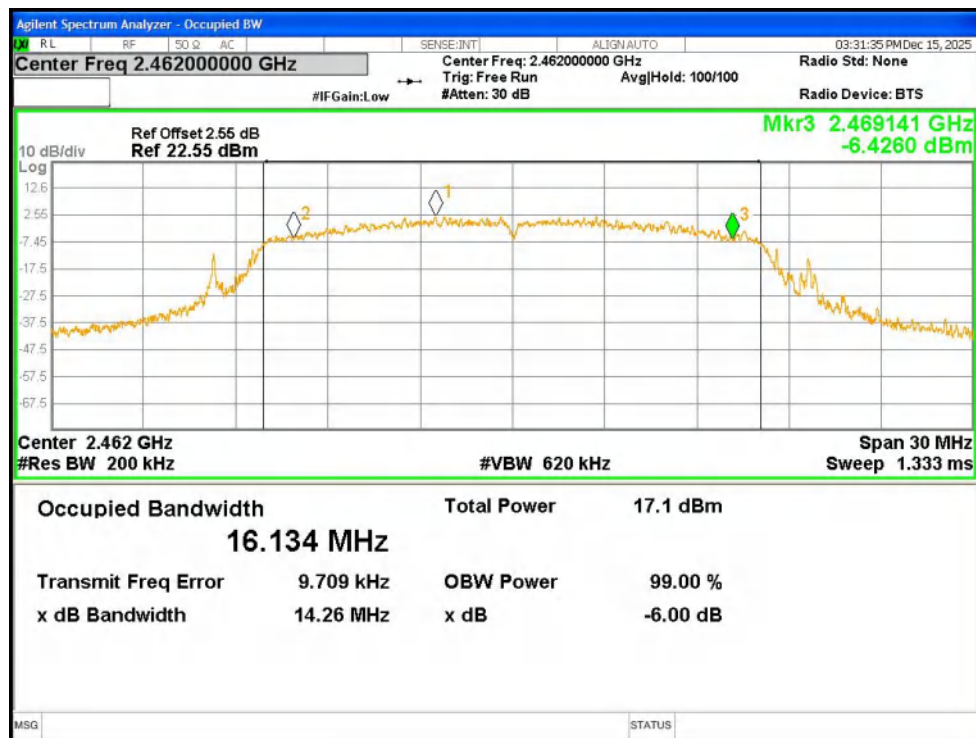


-6dB Bandwidth NVNT g 2412MHz Ant1

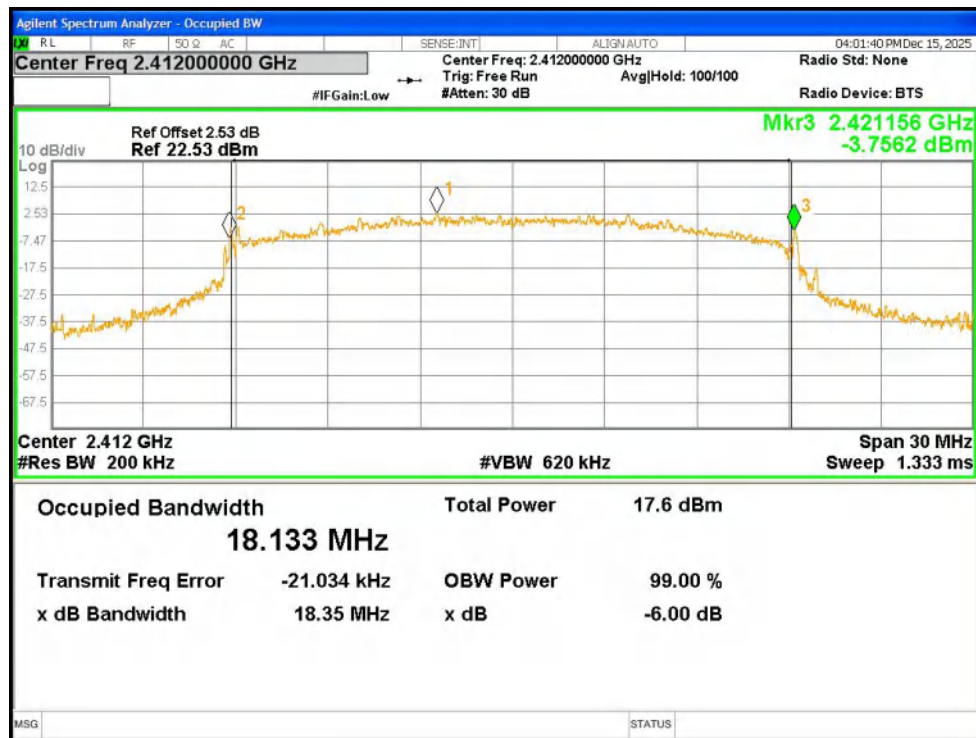
Report



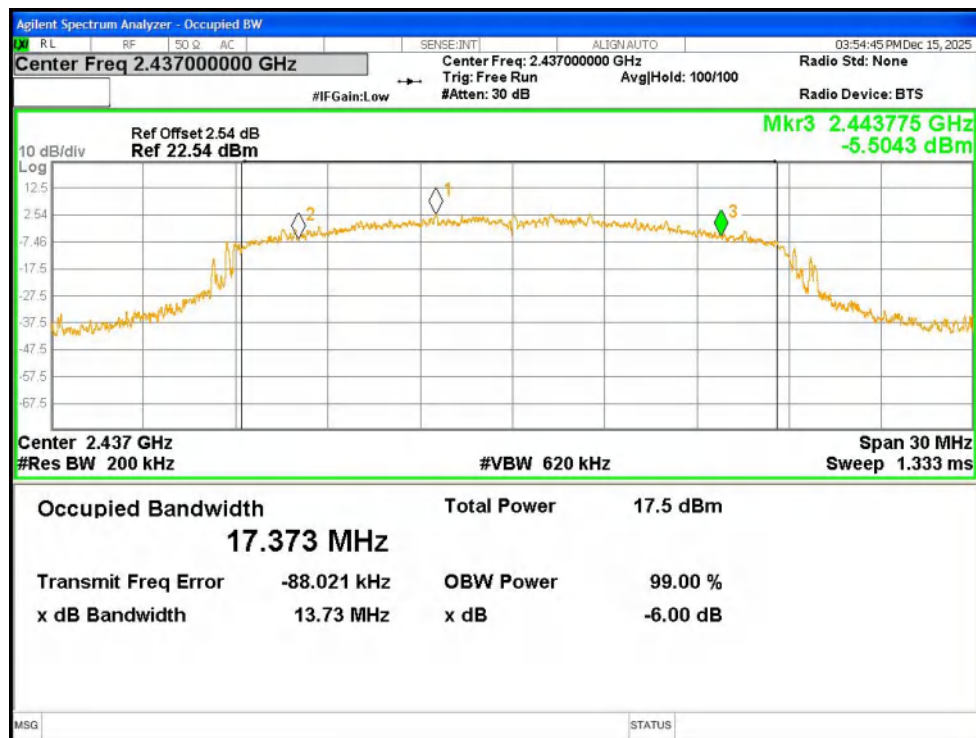
-6dB Bandwidth NVNT g 2437MHz Ant1



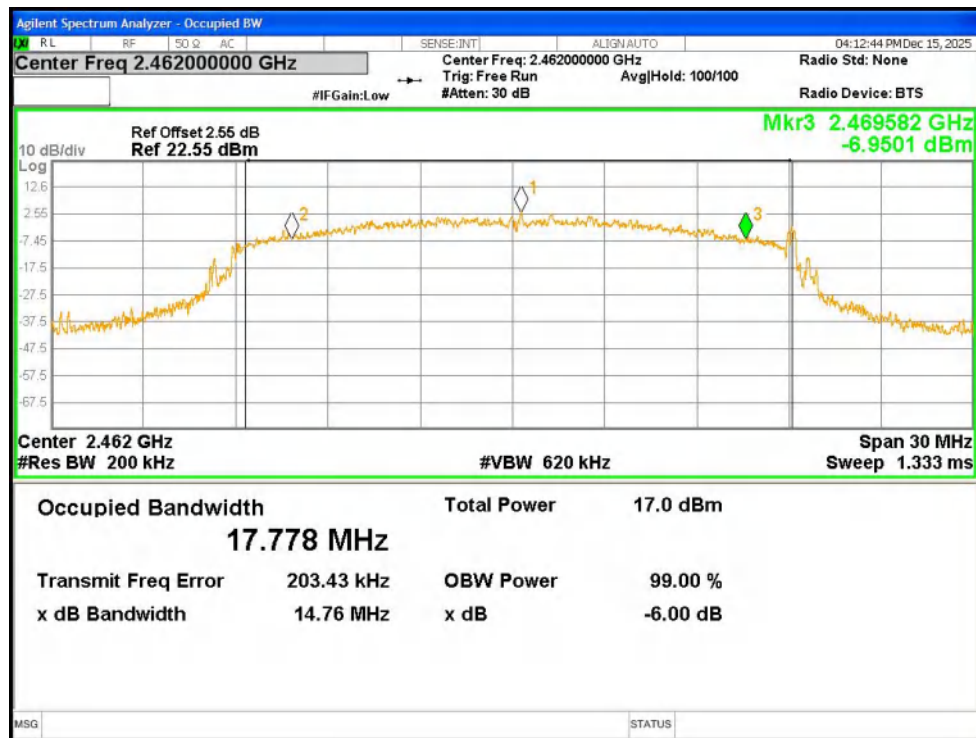
-6dB Bandwidth NVNT g 2462MHz Ant1



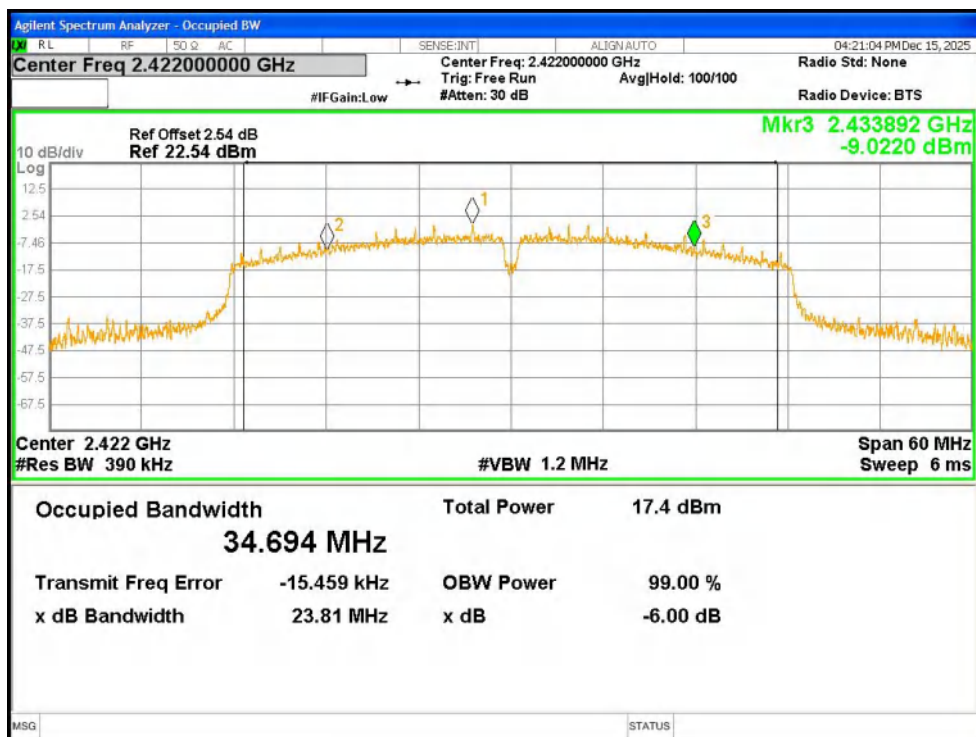
-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1

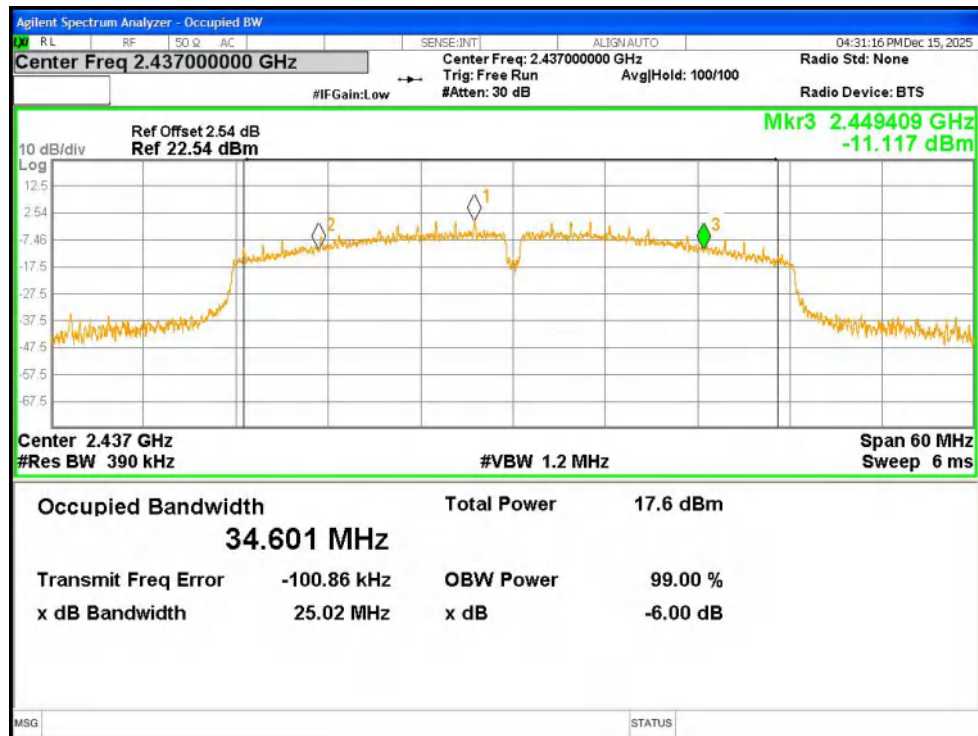


-6dB Bandwidth NVNT n20 2462MHz Ant1

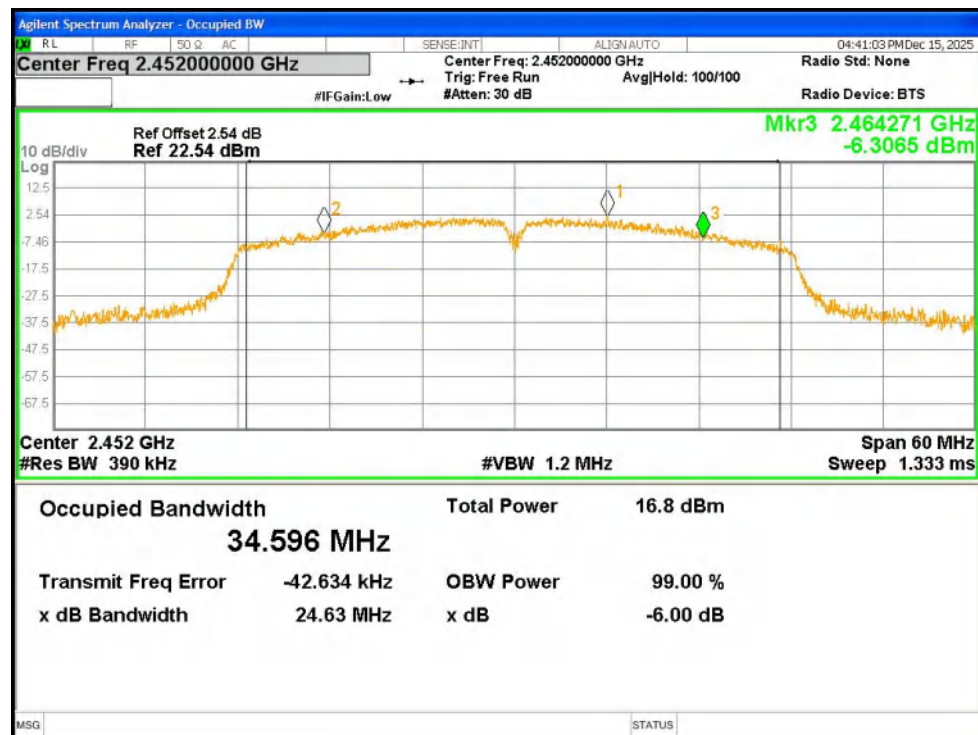


-6dB Bandwidth NVNT n40 2422MHz Ant1

Report



-6dB Bandwidth NVNT n40 2437MHz Ant1

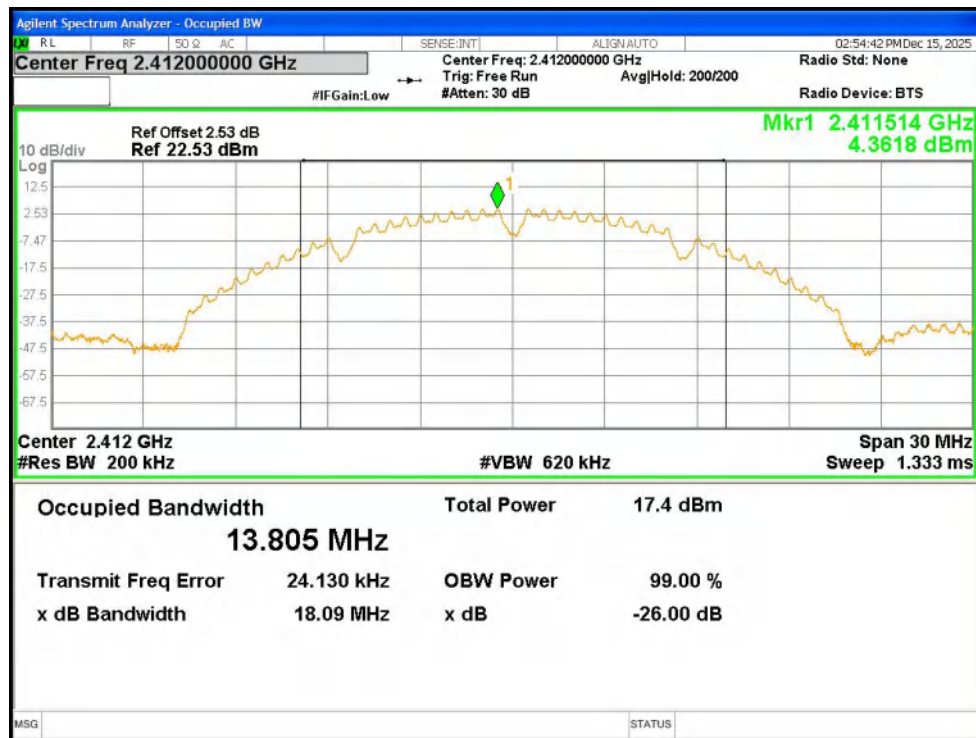


-6dB Bandwidth NVNT n40 2452MHz Ant1

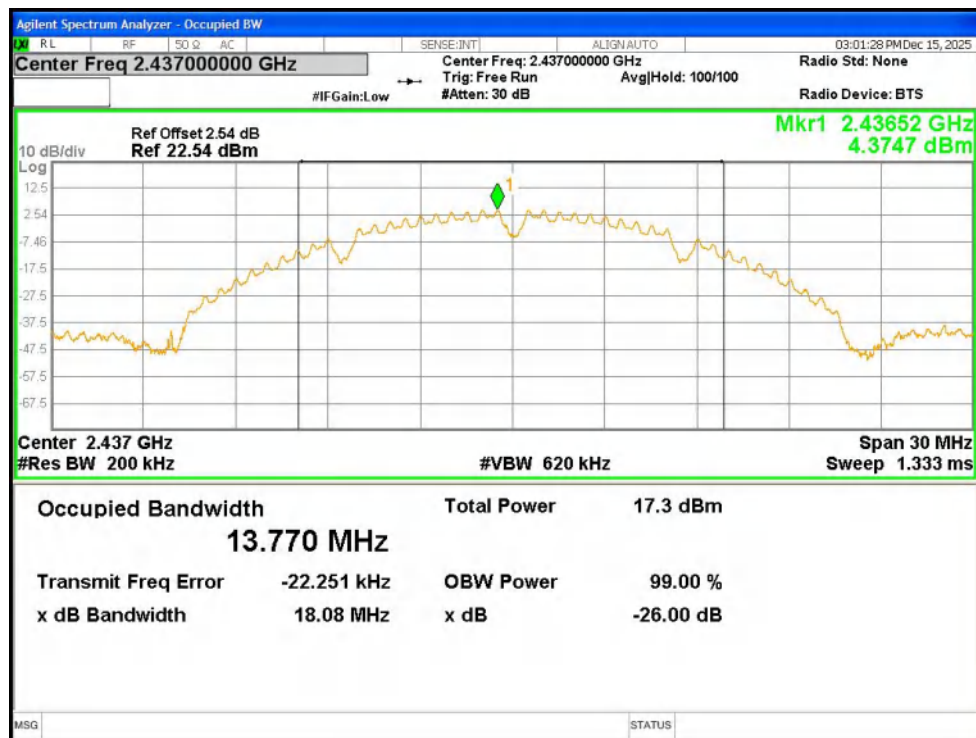
4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.805
NVNT	b	2437	Ant1	13.77
NVNT	b	2462	Ant1	13.815
NVNT	g	2412	Ant1	16.122
NVNT	g	2437	Ant1	16.179
NVNT	g	2462	Ant1	16.126
NVNT	n20	2412	Ant1	17.681
NVNT	n20	2437	Ant1	17.575
NVNT	n20	2462	Ant1	18.036
NVNT	n40	2422	Ant1	34.503
NVNT	n40	2437	Ant1	34.52
NVNT	n40	2452	Ant1	34.491

Report

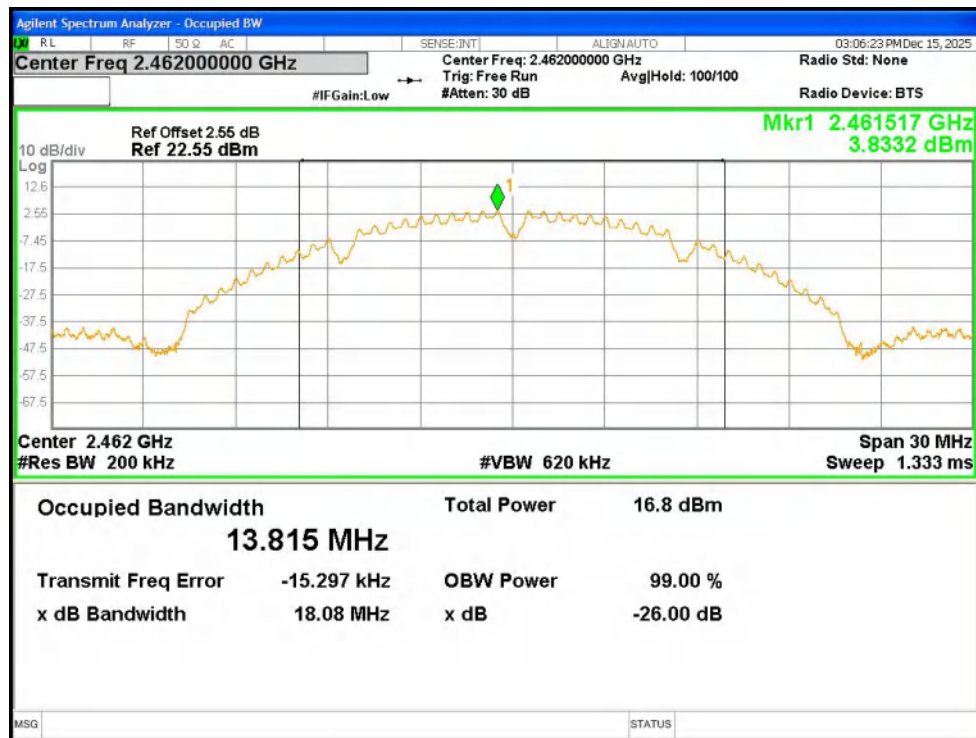


OBW NVNT b 2412MHz Ant1

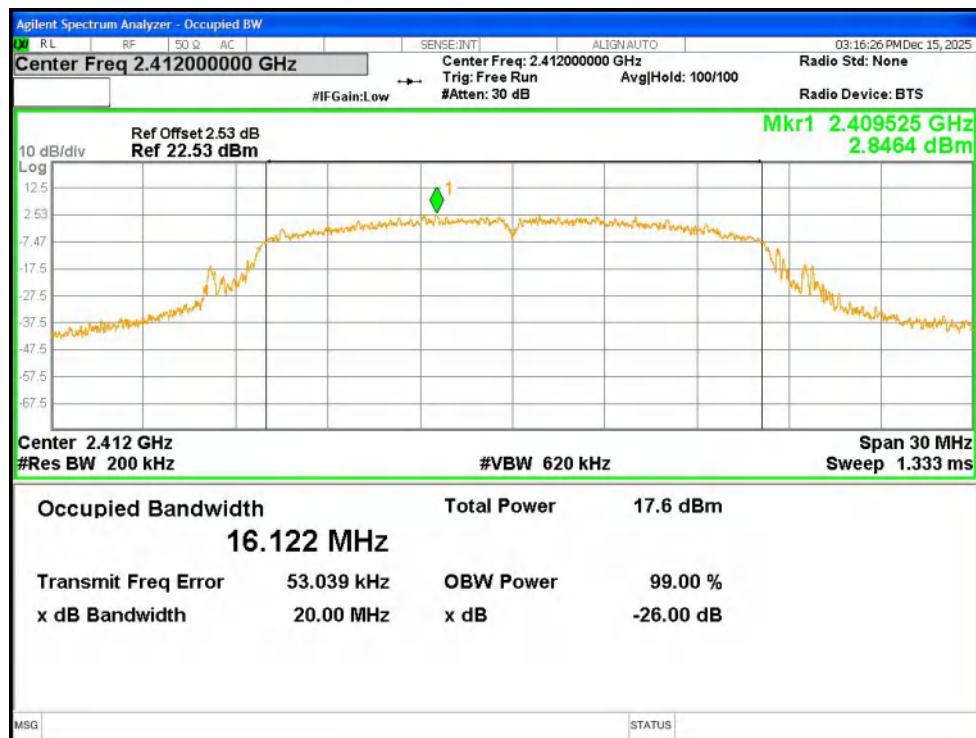


OBW NVNT b 2437MHz Ant1

Report

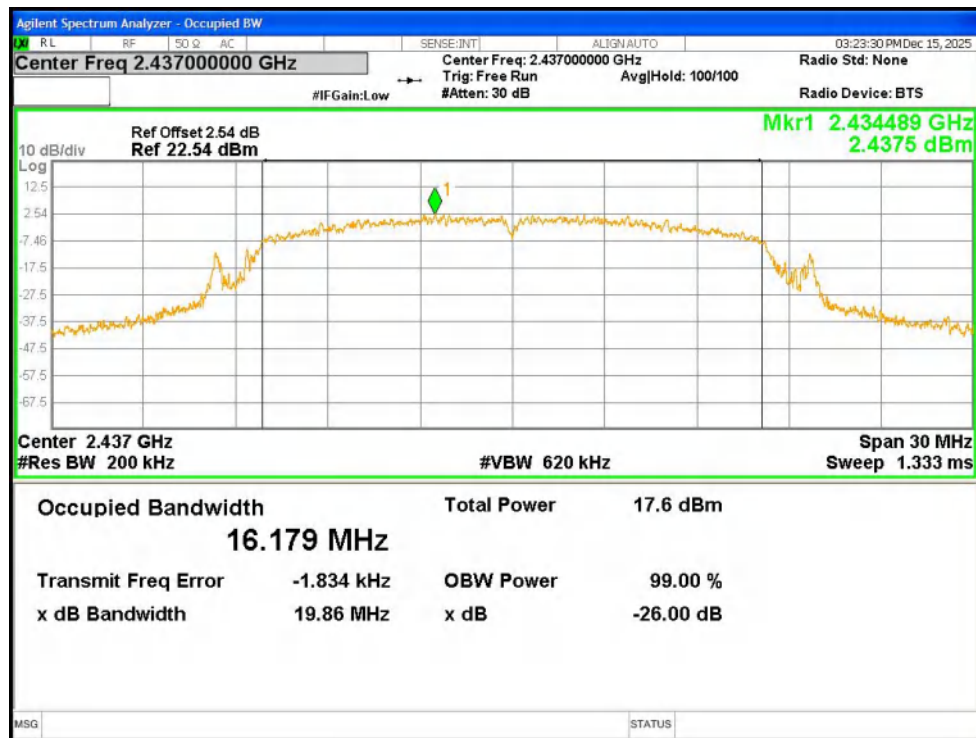


OBW NVNT b 2462MHz Ant1

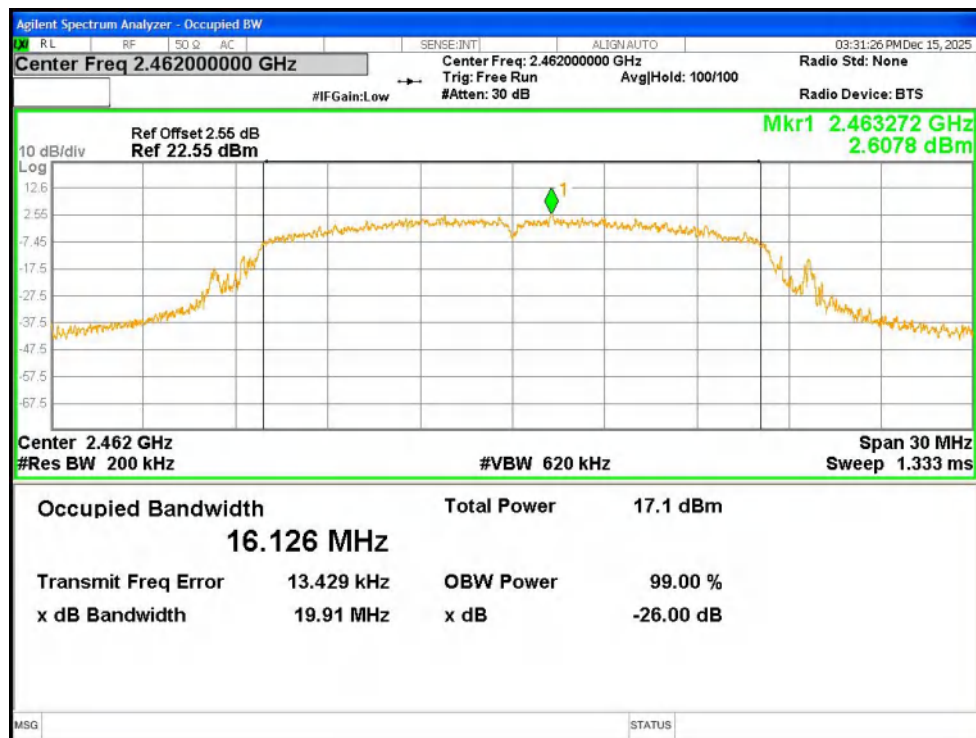


OBW NVNT g 2412MHz Ant1

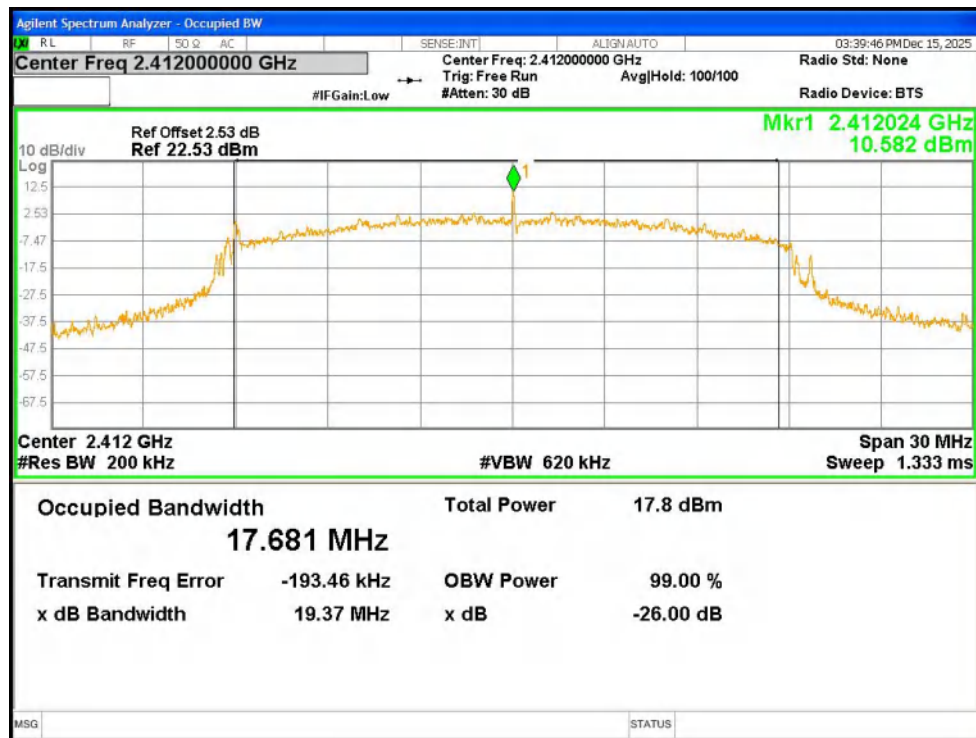
Report



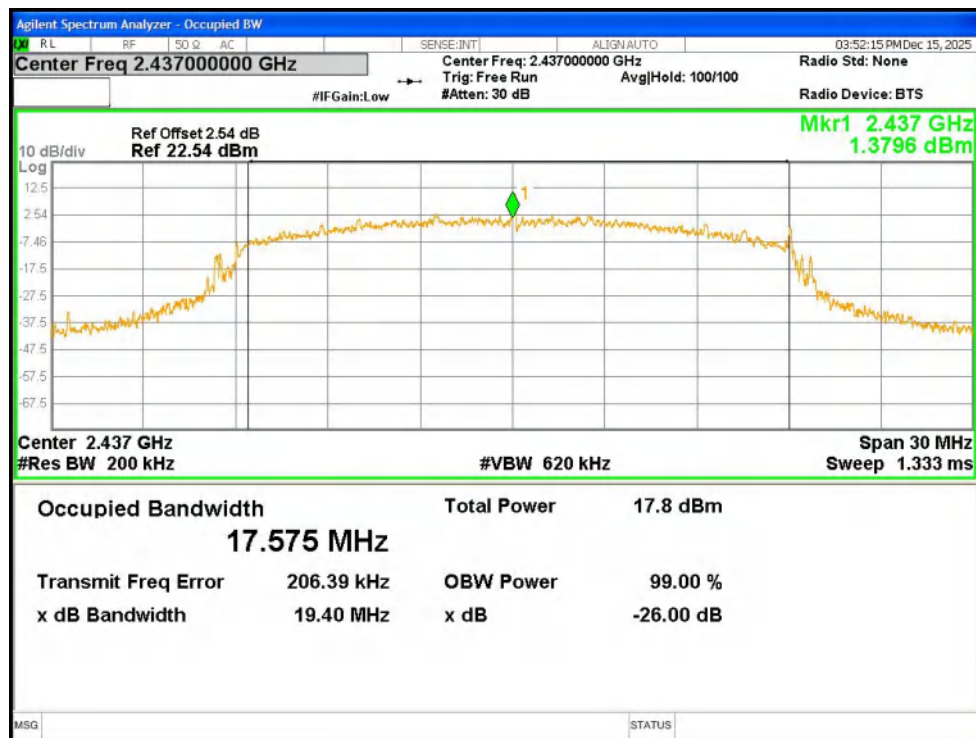
OBW NVNT g 2437MHz Ant1



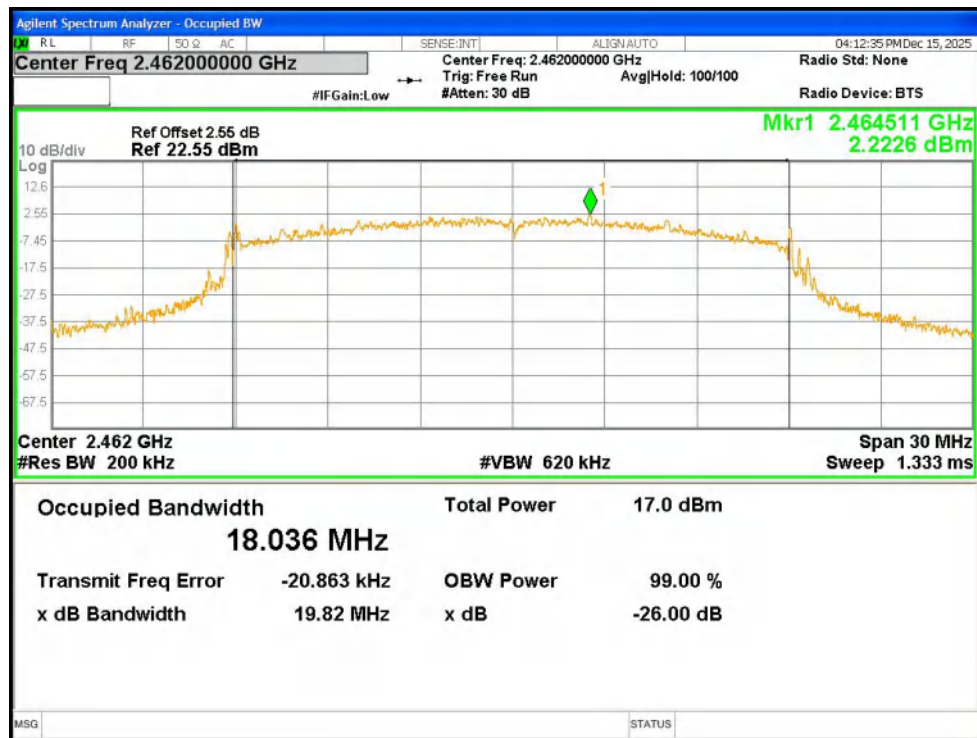
OBW NVNT g 2462MHz Ant1



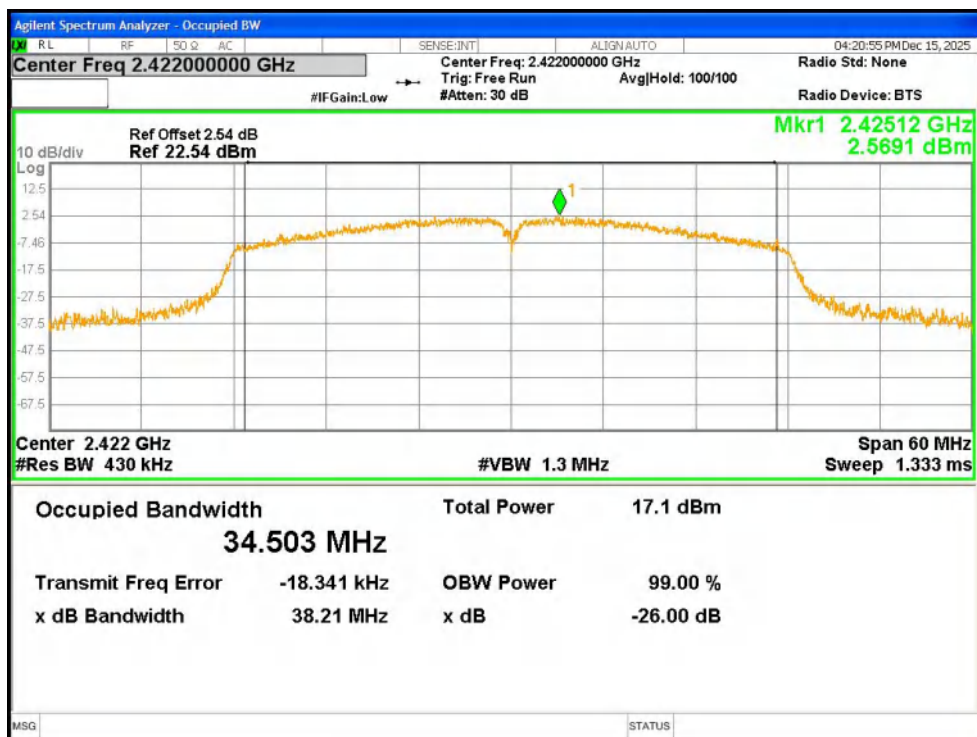
OBW NVNT n20 2412MHz Ant1



OBW NVNT n20 2437MHz Ant1

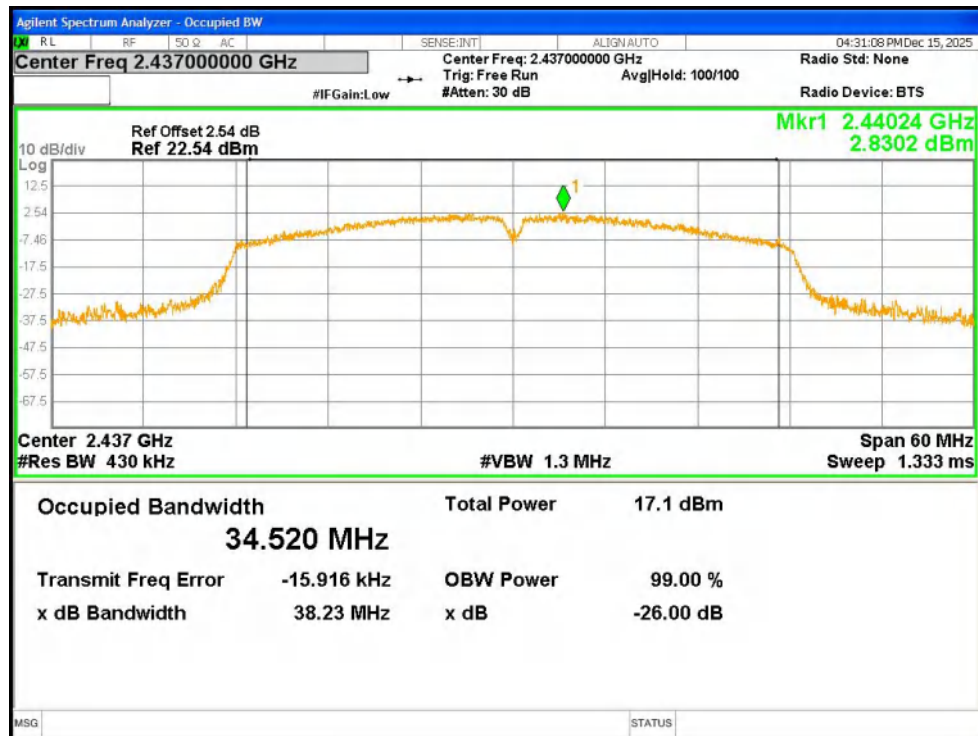


OBW NVNT n20 2462MHz Ant1

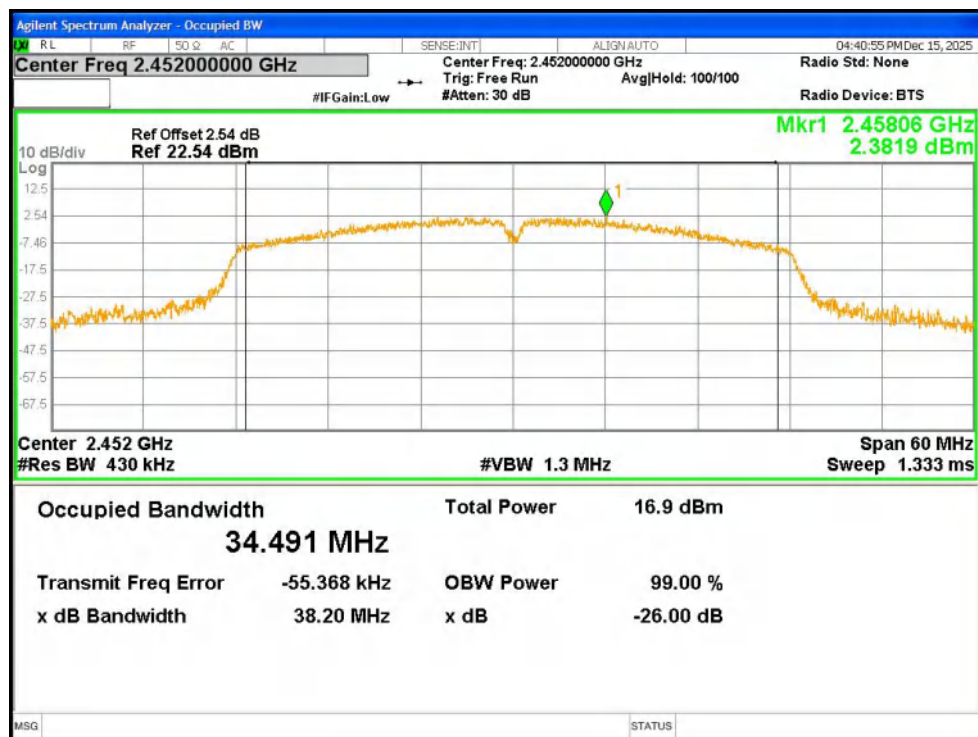


OBW NVNT n40 2422MHz Ant1

Report



OBW NVNT n40 2437MHz Ant1

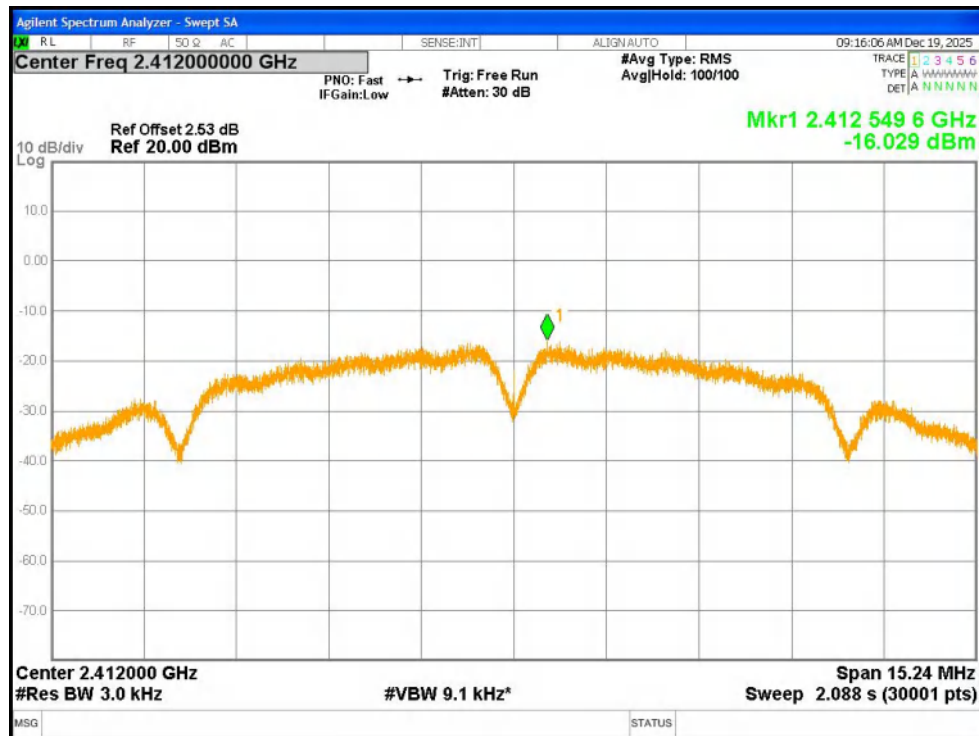


OBW NVNT n40 2452MHz Ant1

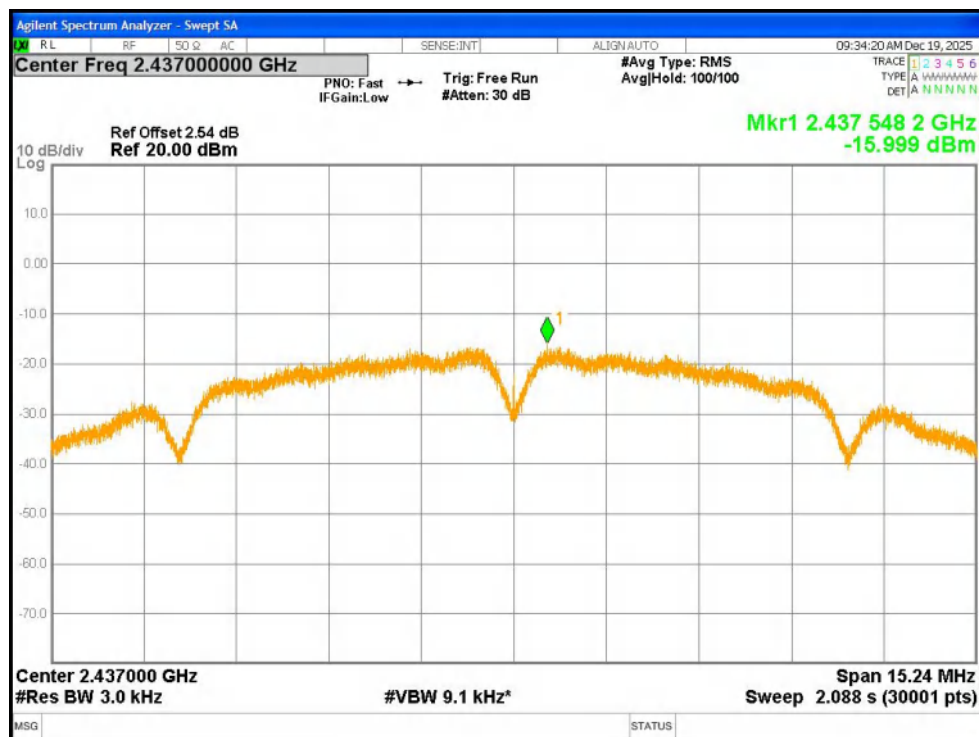
5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-16.03	0	-16.03	8	Pass
NVNT	b	2437	Ant1	-16	0	-16	8	Pass
NVNT	b	2462	Ant1	-16.77	0	-16.77	8	Pass
NVNT	g	2412	Ant1	-19.36	0	-19.36	8	Pass
NVNT	g	2437	Ant1	-19.82	0	-19.82	8	Pass
NVNT	g	2462	Ant1	-19.79	0	-19.79	8	Pass
NVNT	n20	2412	Ant1	-19.55	0	-19.55	8	Pass
NVNT	n20	2437	Ant1	-19.8	0	-19.8	8	Pass
NVNT	n20	2462	Ant1	-20.26	0	-20.26	8	Pass
NVNT	n40	2422	Ant1	-20.07	0	-20.07	8	Pass
NVNT	n40	2437	Ant1	-19.52	0	-19.52	8	Pass
NVNT	n40	2452	Ant1	-19.87	0	-19.87	8	Pass

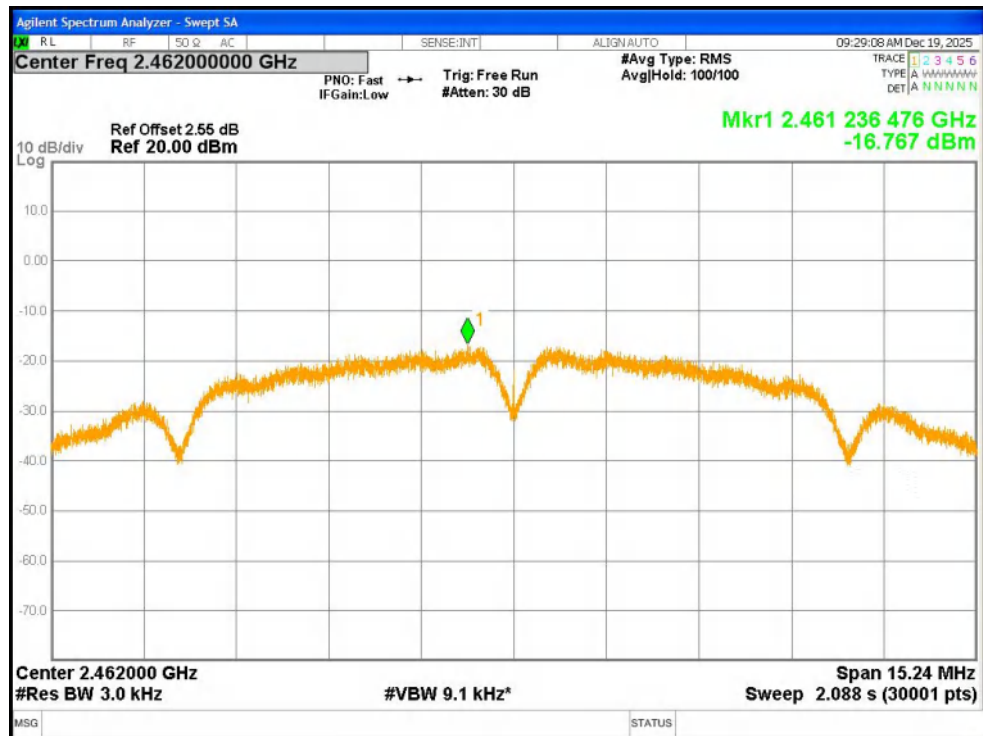
Report



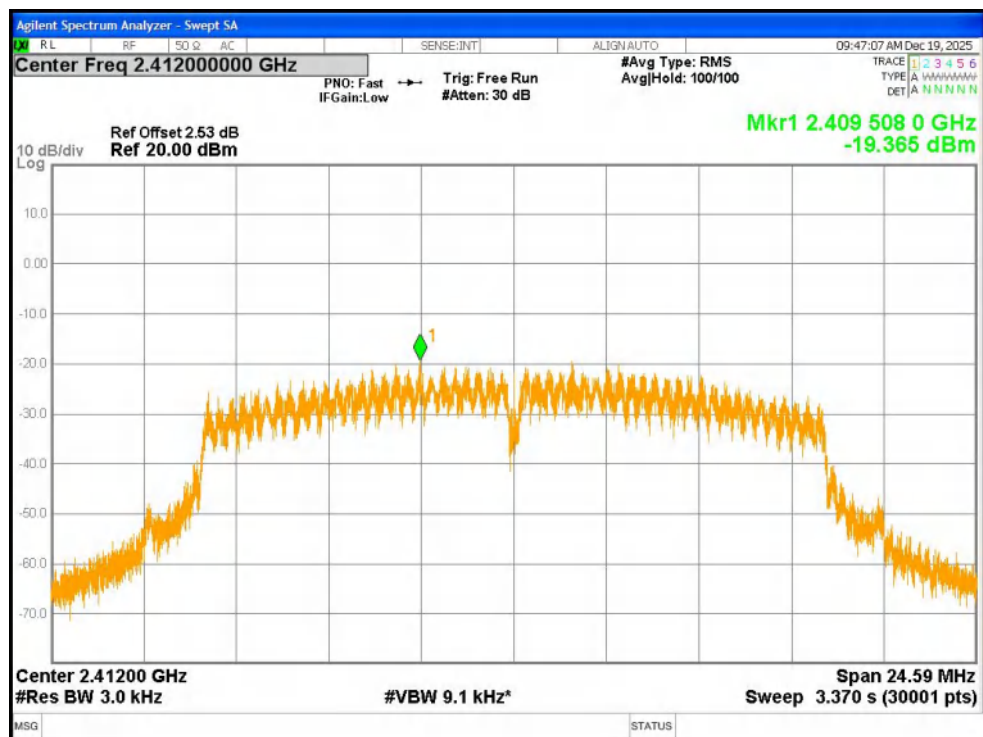
PSD NVNT b 2412MHz Ant1



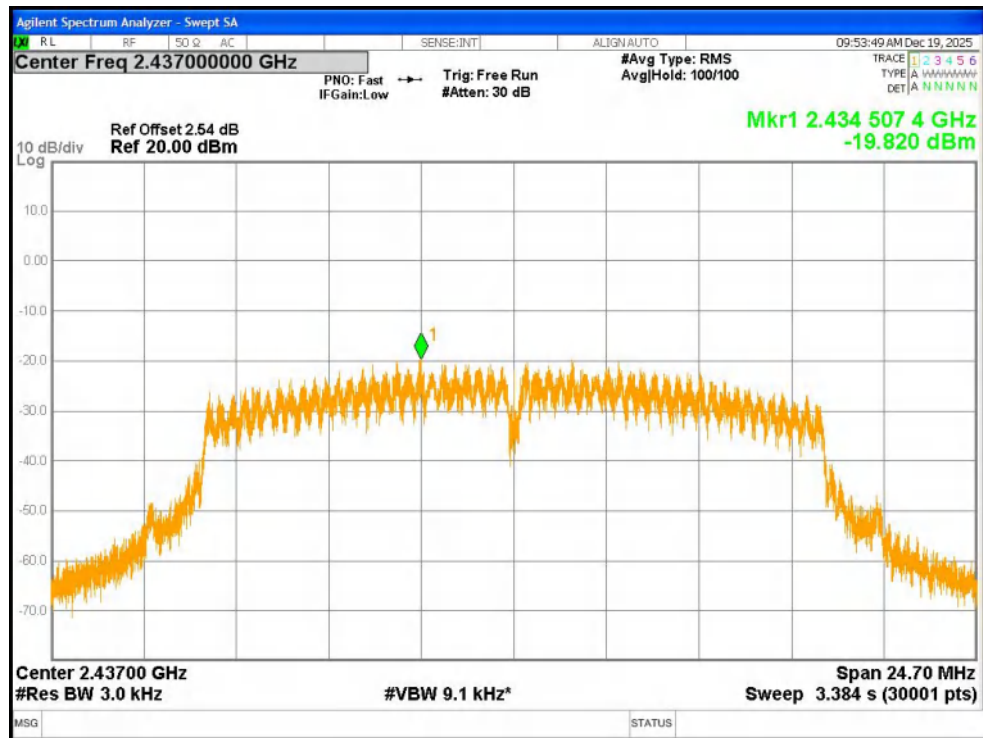
PSD NVNT b 2437MHz Ant1



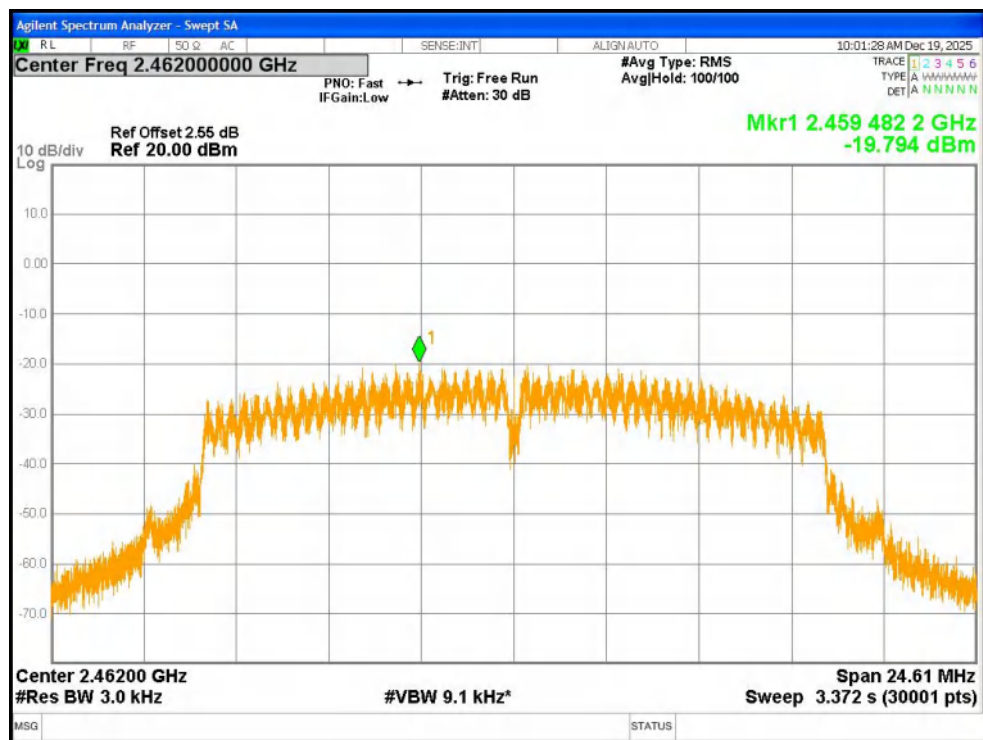
PSD NVNT b 2462MHz Ant1



PSD NVNT g 2412MHz Ant1

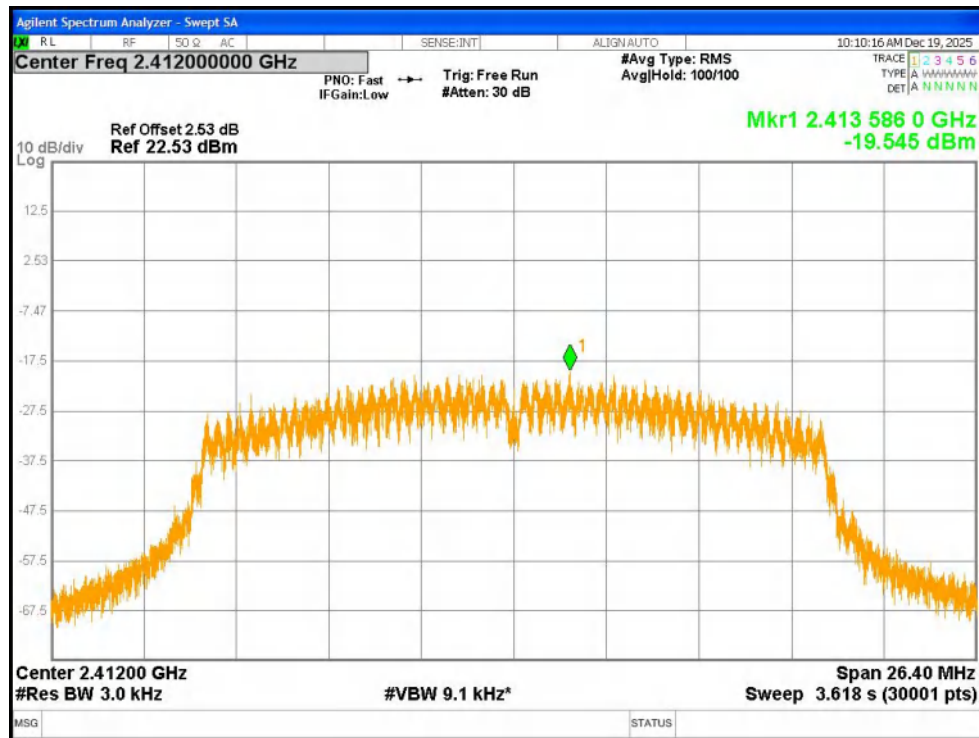


PSD NVNT g 2437MHz Ant1

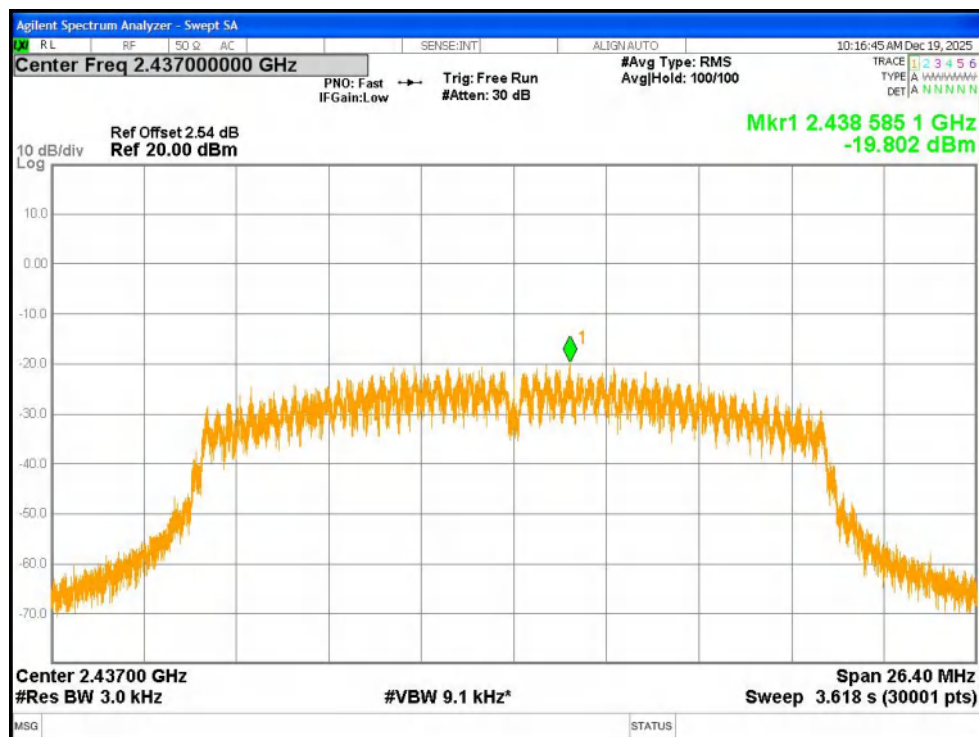


PSD NVNT g 2462MHz Ant1

Report

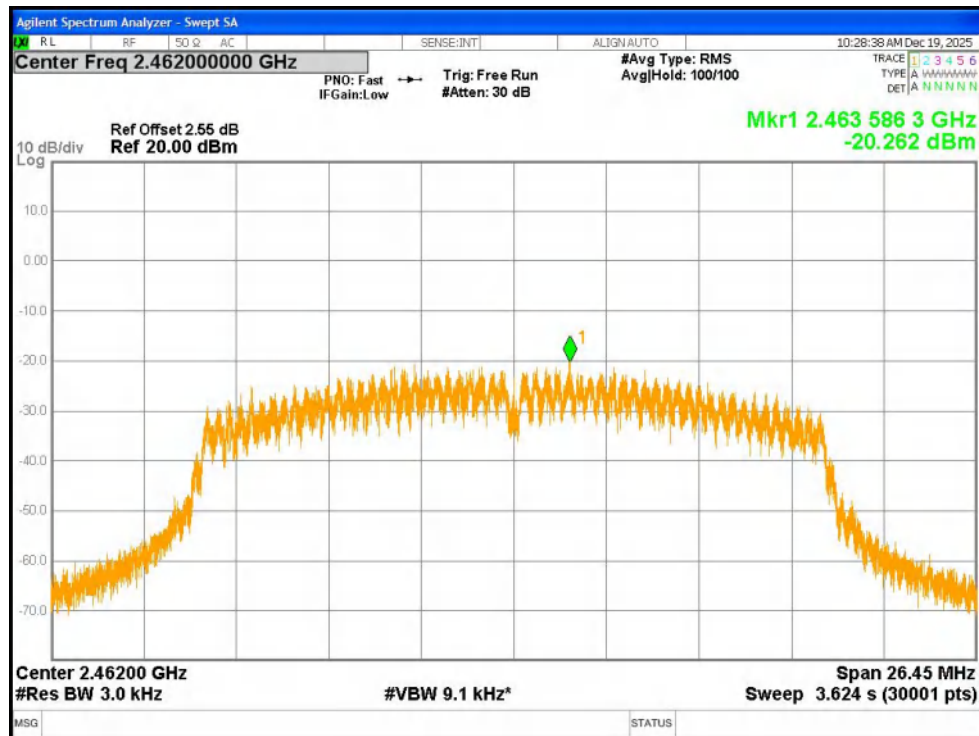


PSD NVNT n20 2412MHz Ant1

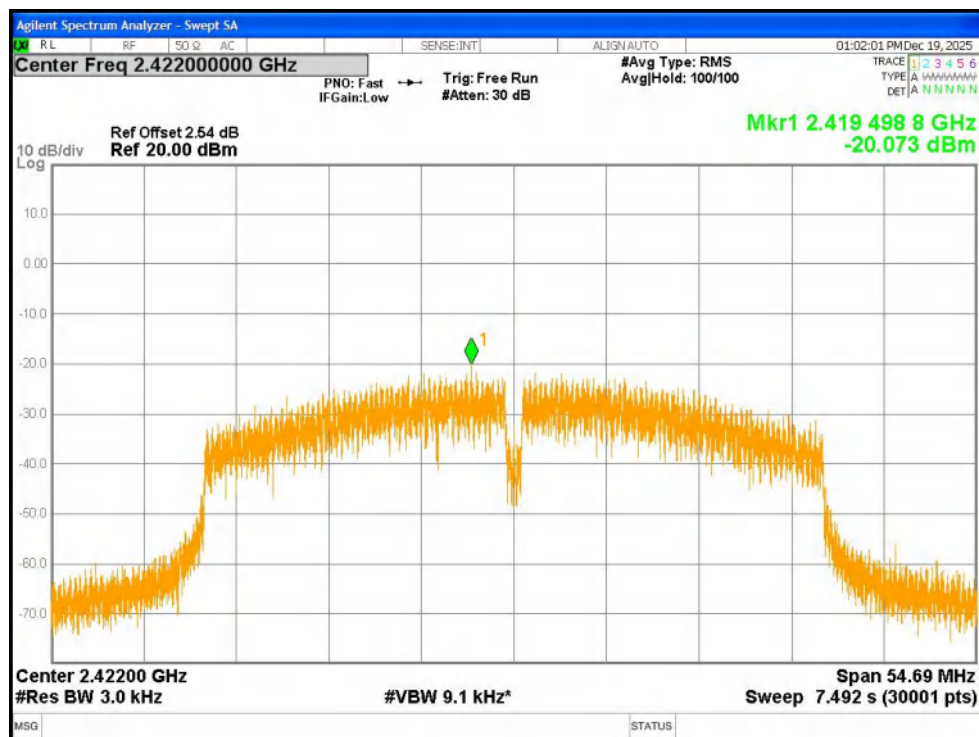


PSD NVNT n20 2437MHz Ant1

Report

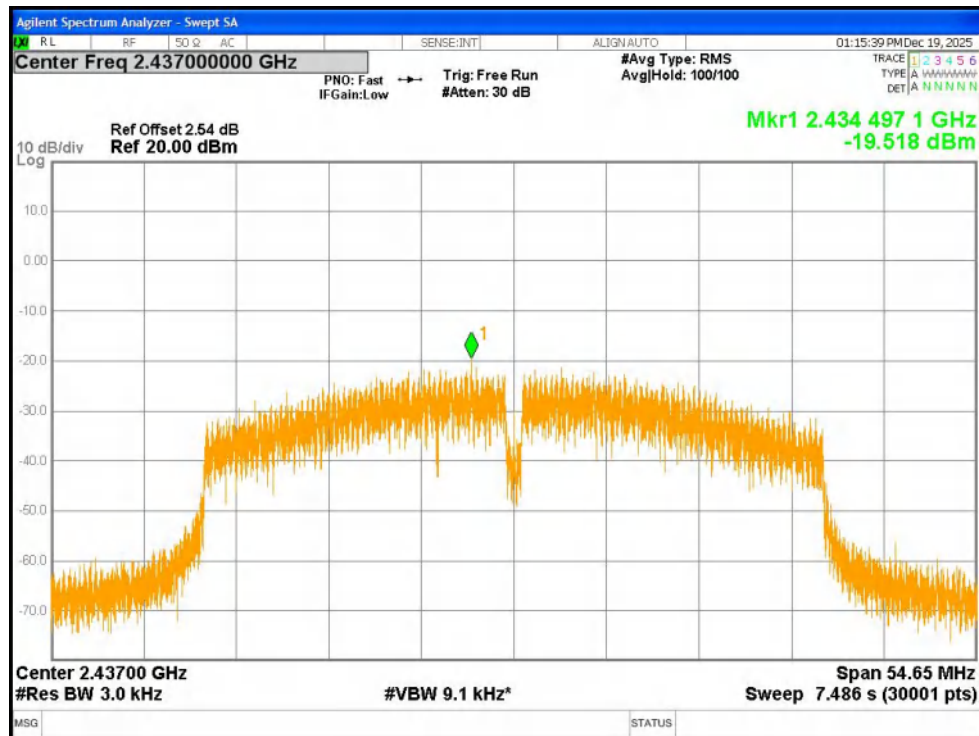


PSD NVNT n20 2462MHz Ant1

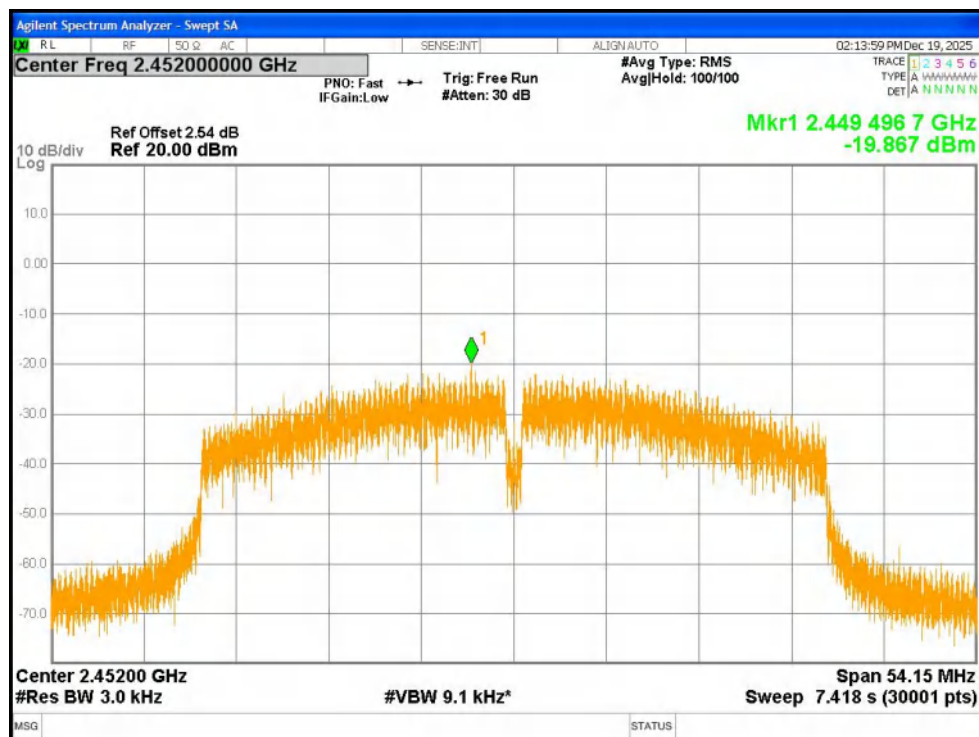


PSD NVNT n40 2422MHz Ant1

Report



PSD NVNT n40 2437MHz Ant1



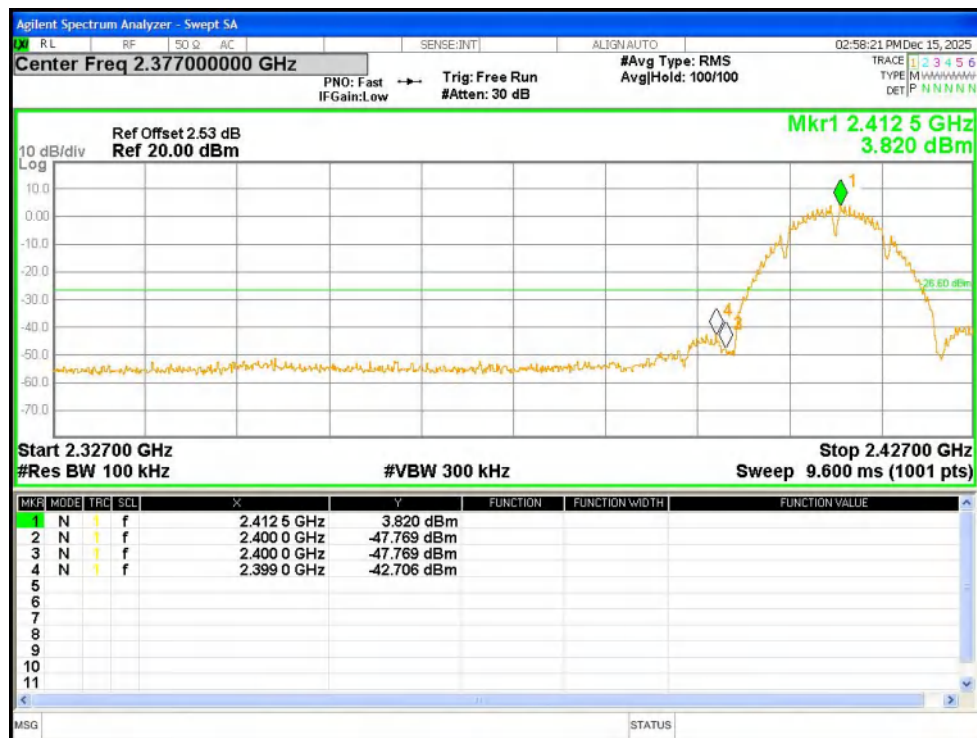
PSD NVNT n40 2452MHz Ant1

6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-46.11	-30	Pass
NVNT	b	2462	Ant1	-56.28	-30	Pass
NVNT	g	2412	Ant1	-40.76	-30	Pass
NVNT	g	2462	Ant1	-51.27	-30	Pass
NVNT	n20	2412	Ant1	-45.69	-30	Pass
NVNT	n20	2462	Ant1	-55.46	-30	Pass
NVNT	n40	2422	Ant1	-33.8	-30	Pass
NVNT	n40	2452	Ant1	-42.49	-30	Pass

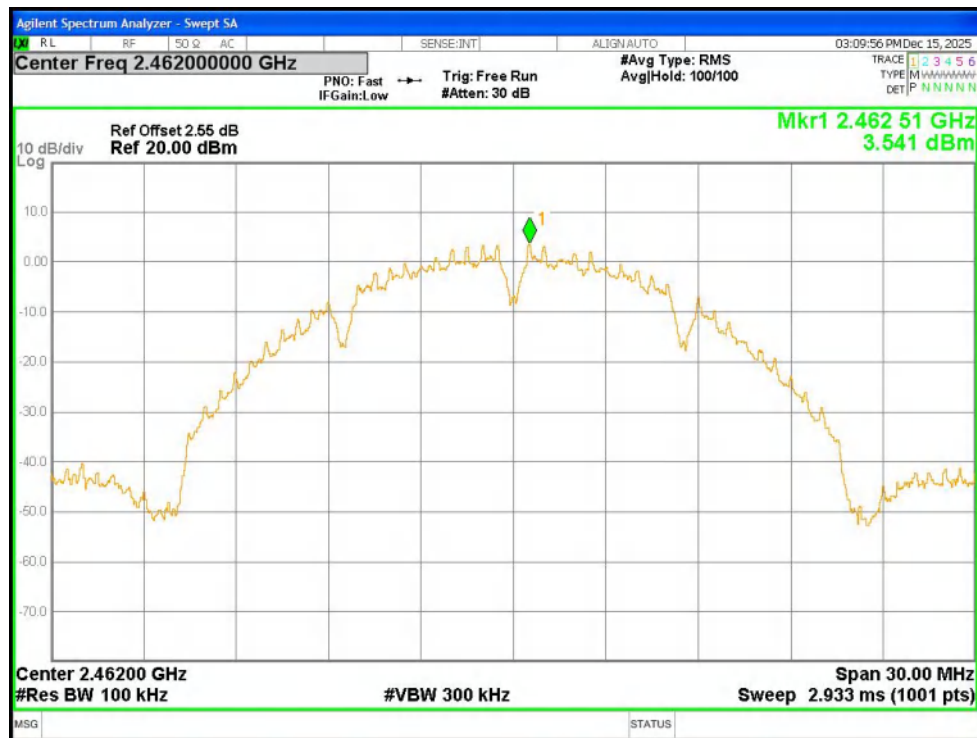


Band Edge NVNT b 2412MHz Ant1 Ref

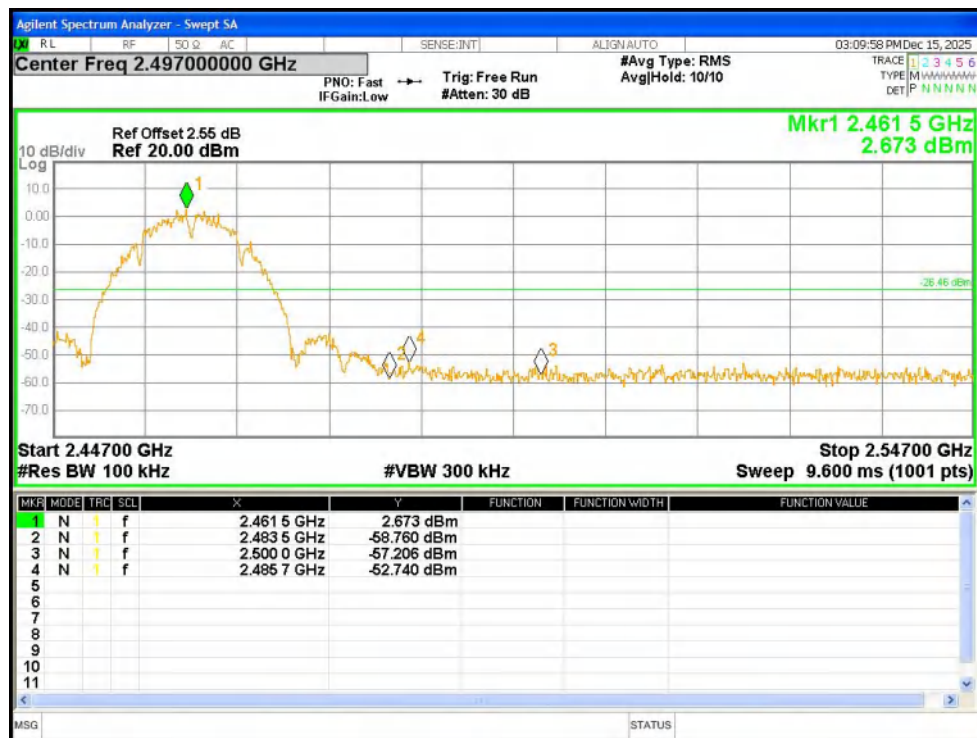


Band Edge NVNT b 2412MHz Ant1 Emission

Report

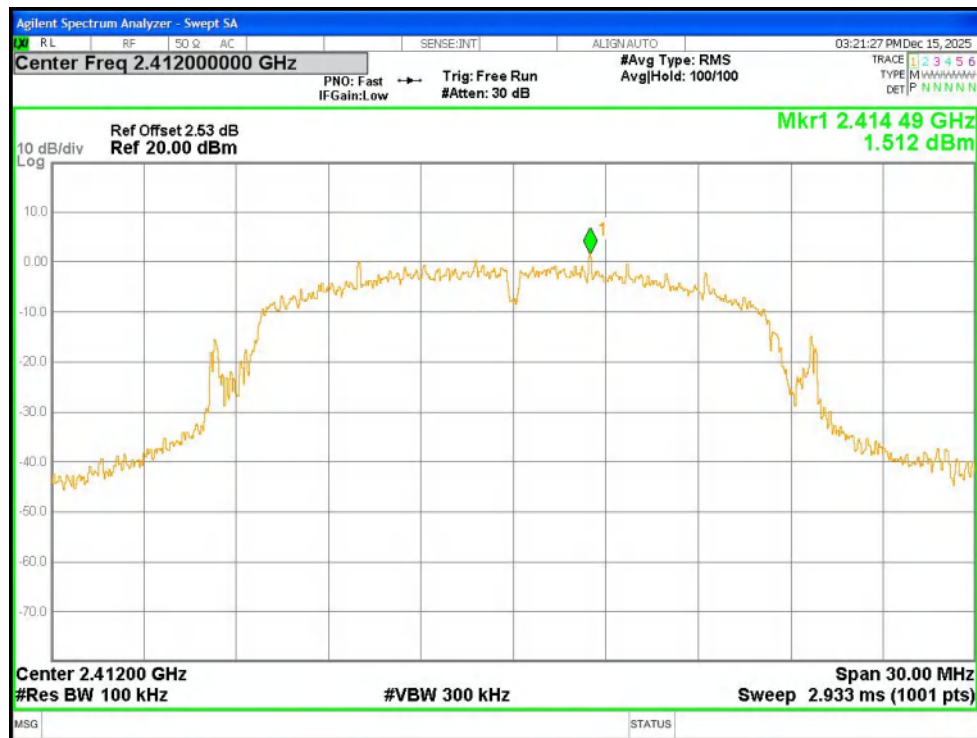


Band Edge NVNT b 2462MHz Ant1 Ref

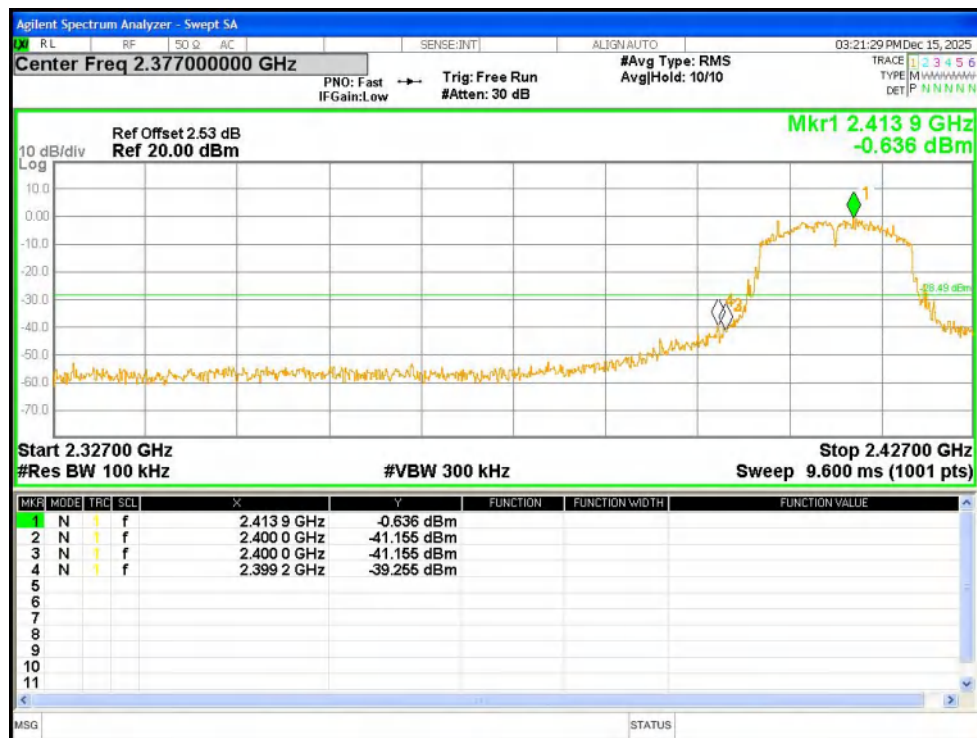


Band Edge NVNT b 2462MHz Ant1 Emission

Report



Band Edge NVNT g 2412MHz Ant1 Ref

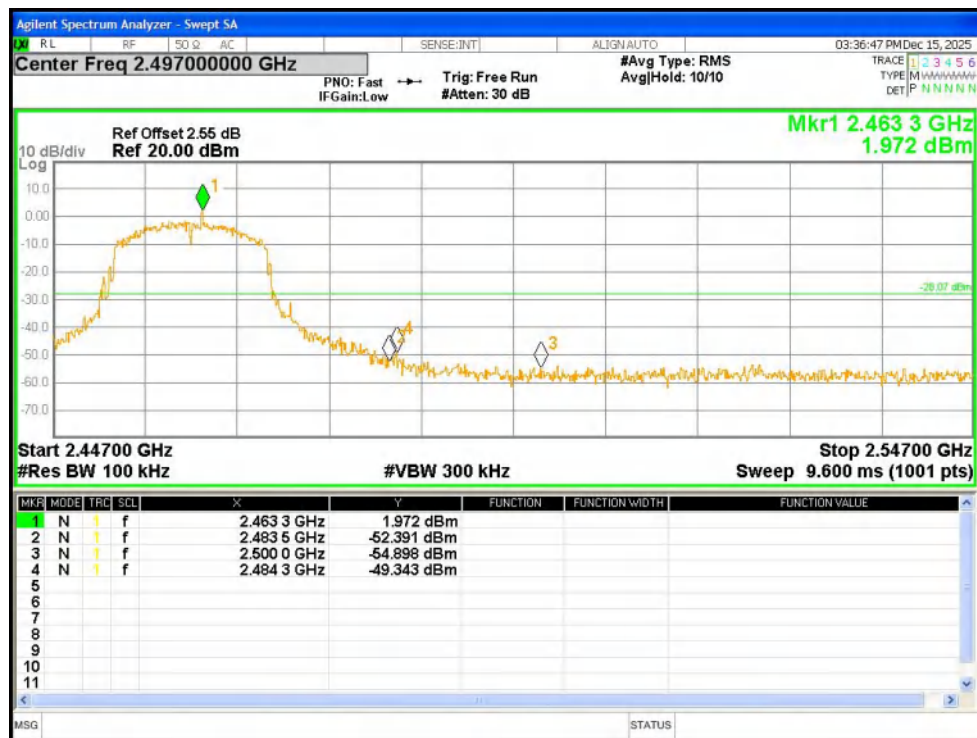


Band Edge NVNT g 2412MHz Ant1 Emission

Report

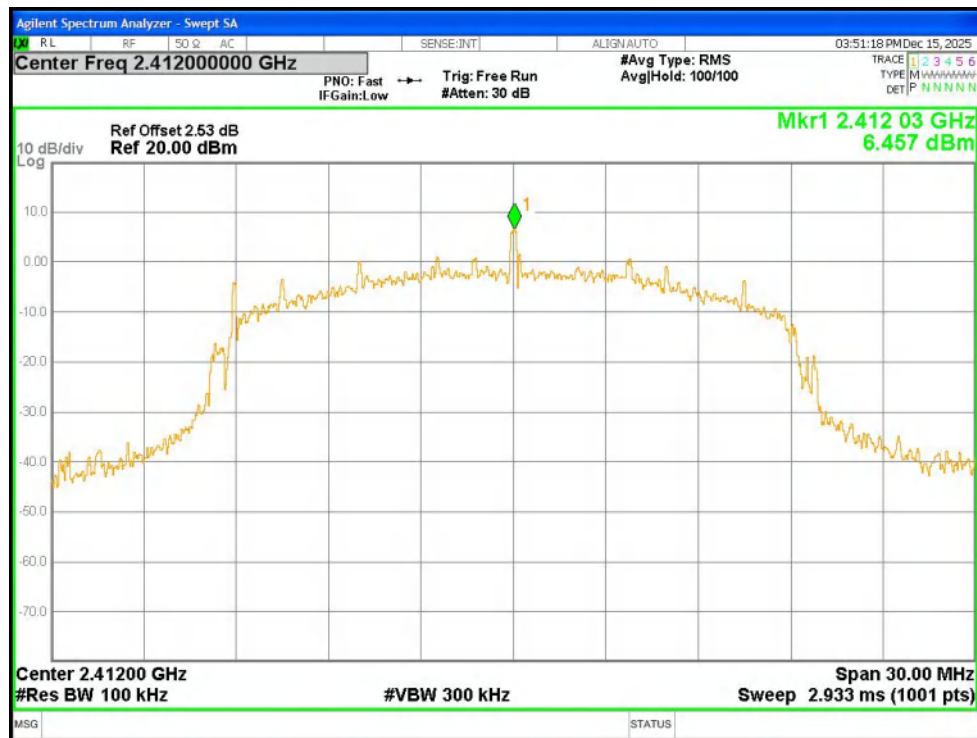


Band Edge NVNT g 2462MHz Ant1 Ref

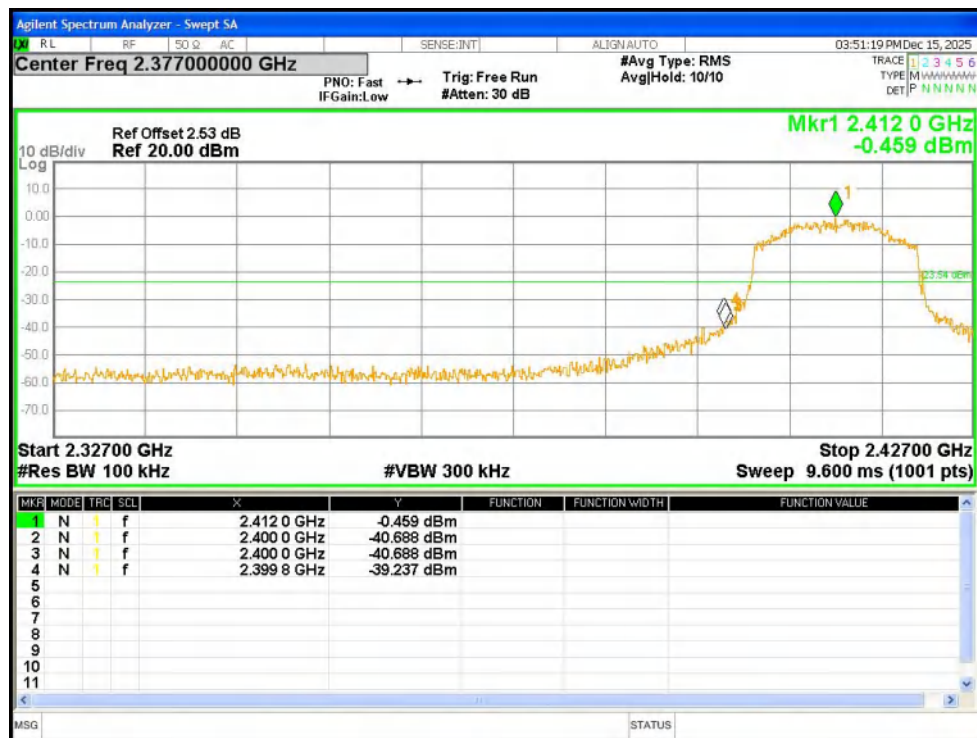


Band Edge NVNT g 2462MHz Ant1 Emission

Report

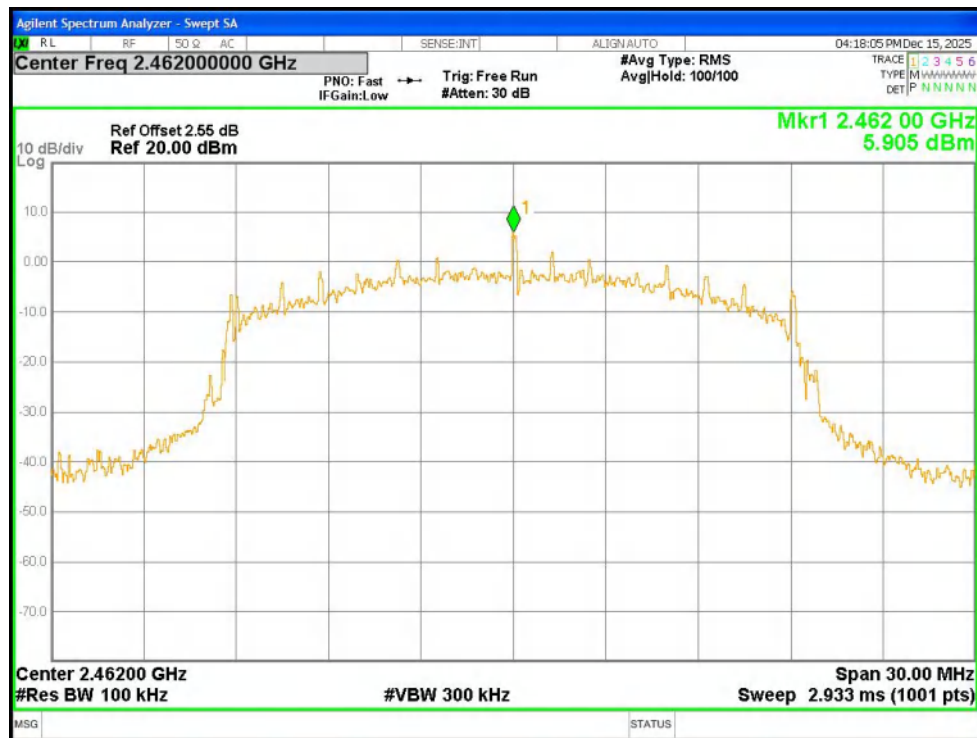


Band Edge NVNT n20 2412MHz Ant1 Ref

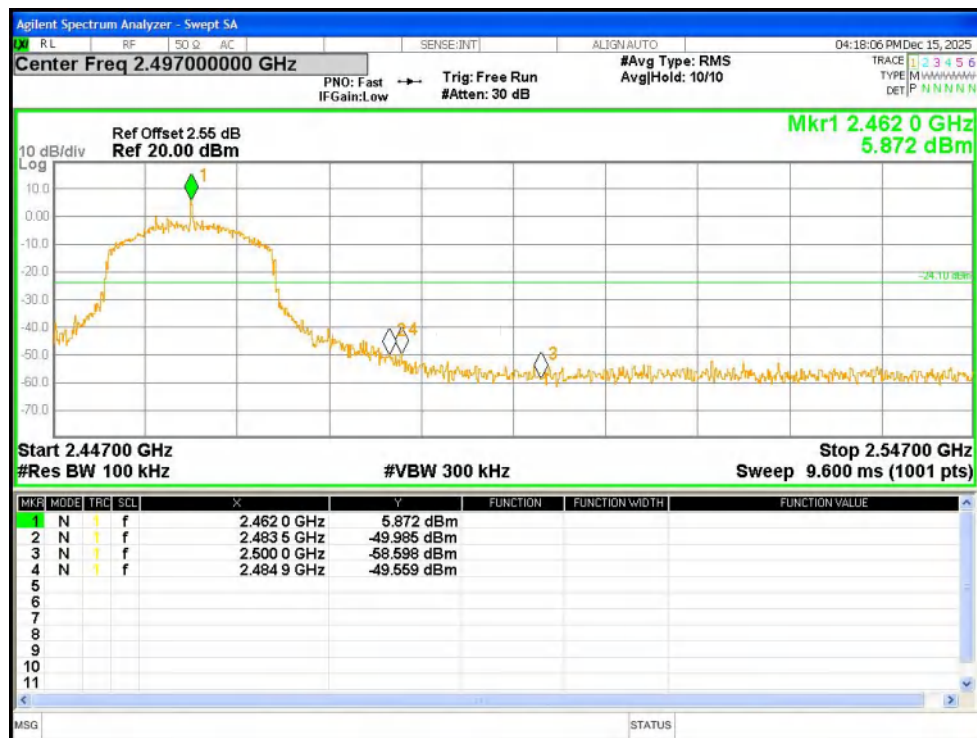


Band Edge NVNT n20 2412MHz Ant1 Emission

Report

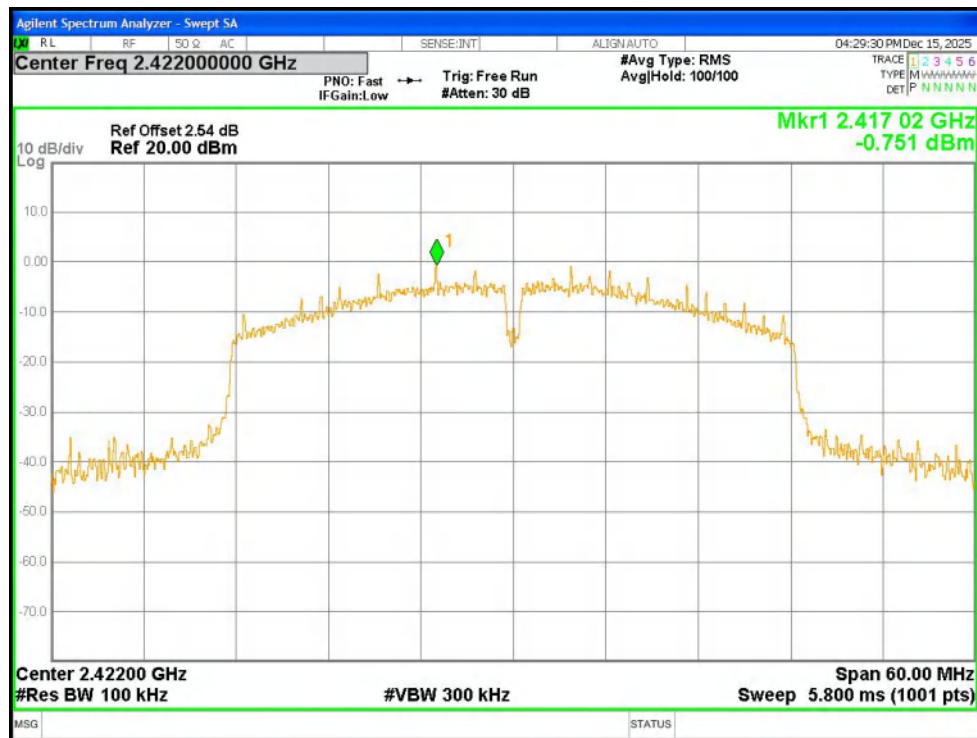


Band Edge NVNT n20 2462MHz Ant1 Ref

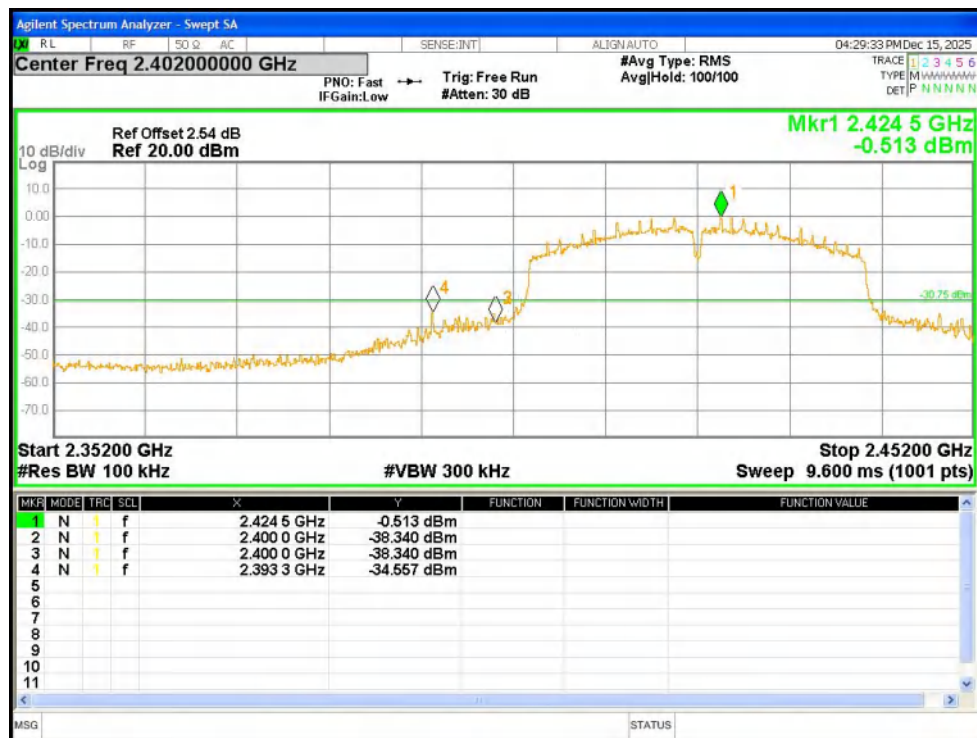


Band Edge NVNT n20 2462MHz Ant1 Emission

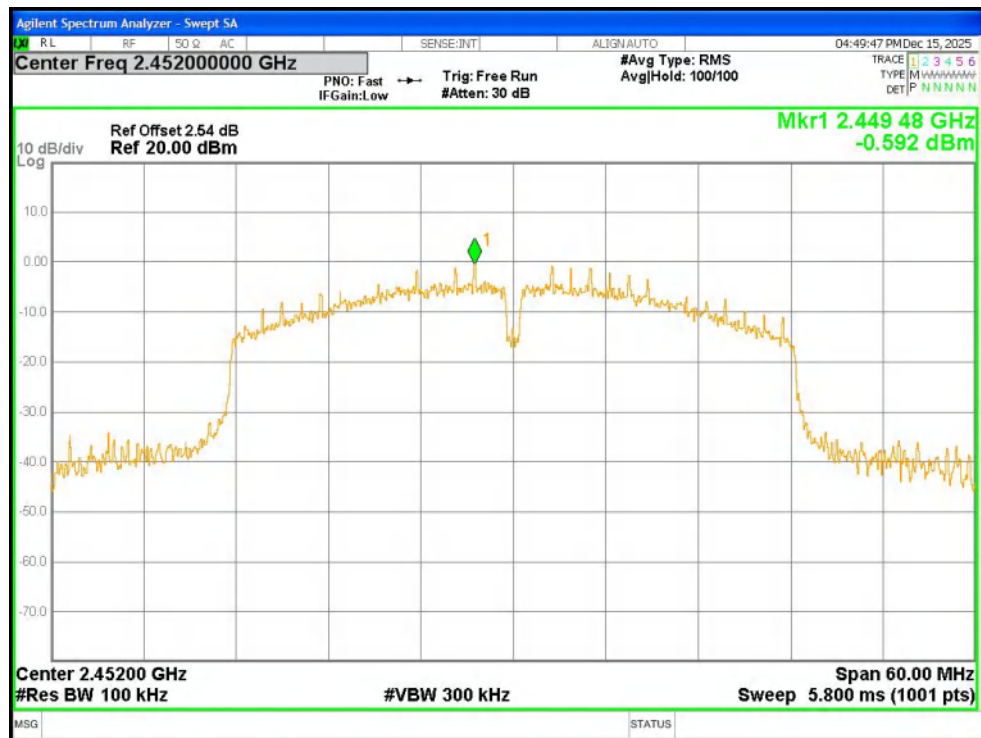
Report



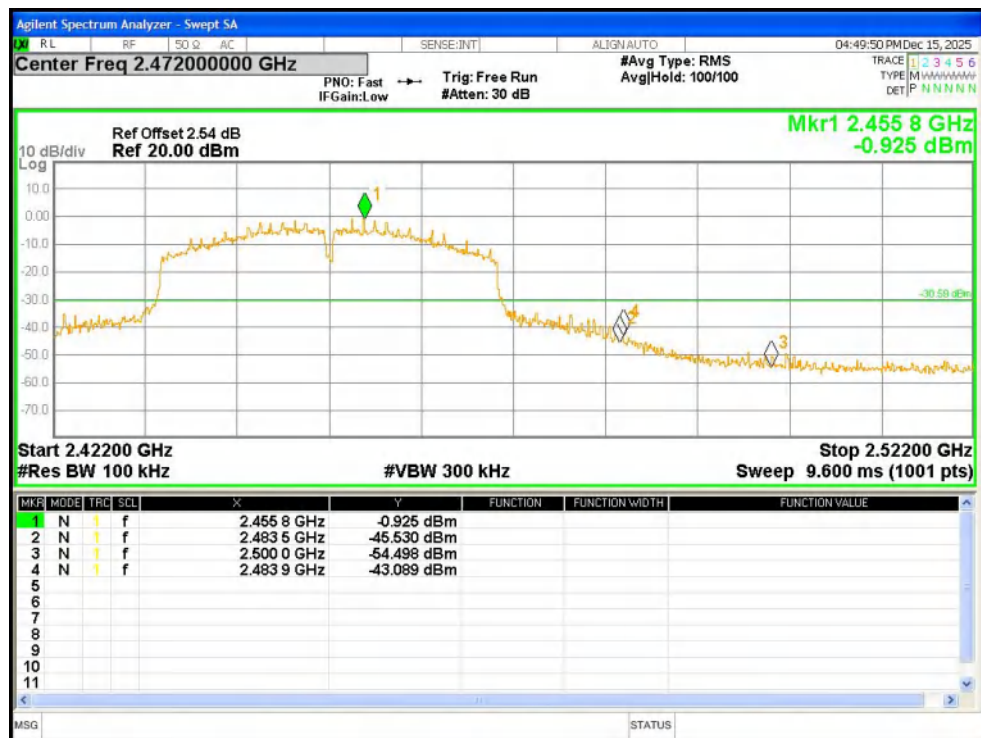
Band Edge NVNT n40 2422MHz Ant1 Ref



Band Edge NVNT n40 2422MHz Ant1 Emission



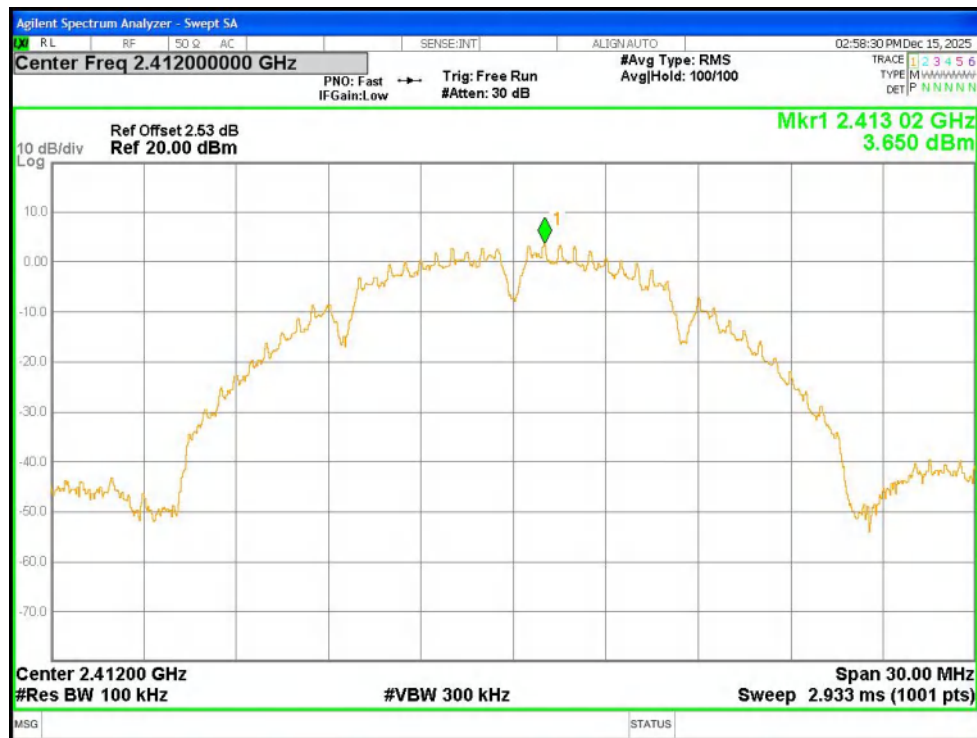
Band Edge NVNT n40 2452MHz Ant1 Ref



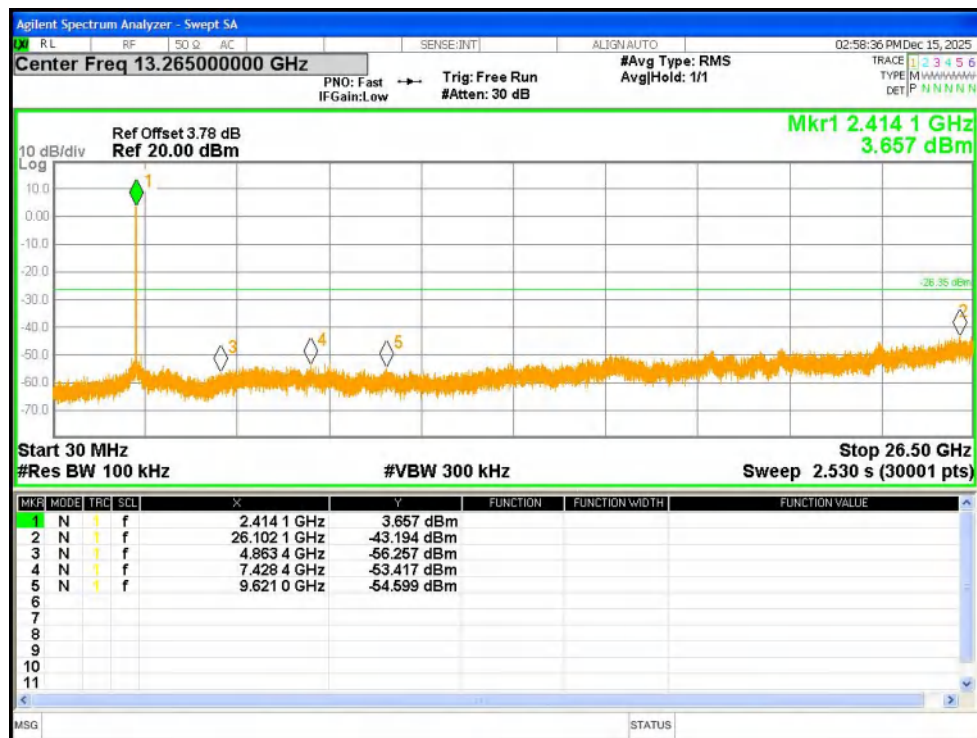
Band Edge NVNT n40 2452MHz Ant1 Emission

7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-46.84	-30	Pass
NVNT	b	2437	Ant1	-47.02	-30	Pass
NVNT	b	2462	Ant1	-46.91	-30	Pass
NVNT	g	2412	Ant1	-44.44	-30	Pass
NVNT	g	2437	Ant1	-44.6	-30	Pass
NVNT	g	2462	Ant1	-40.03	-30	Pass
NVNT	n20	2412	Ant1	-40.78	-30	Pass
NVNT	n20	2437	Ant1	-40.93	-30	Pass
NVNT	n20	2462	Ant1	-43.93	-30	Pass
NVNT	n40	2422	Ant1	-42.55	-30	Pass
NVNT	n40	2437	Ant1	-41.66	-30	Pass
NVNT	n40	2452	Ant1	-41.64	-30	Pass

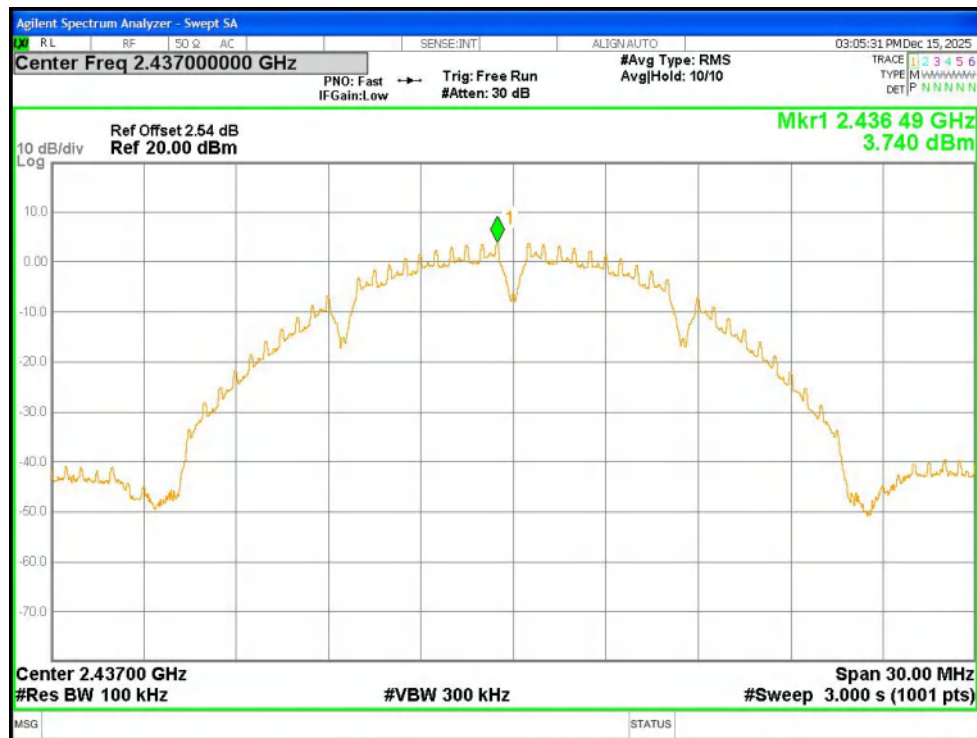


Tx. Spurious NVNT b 2412MHz Ant1 Ref

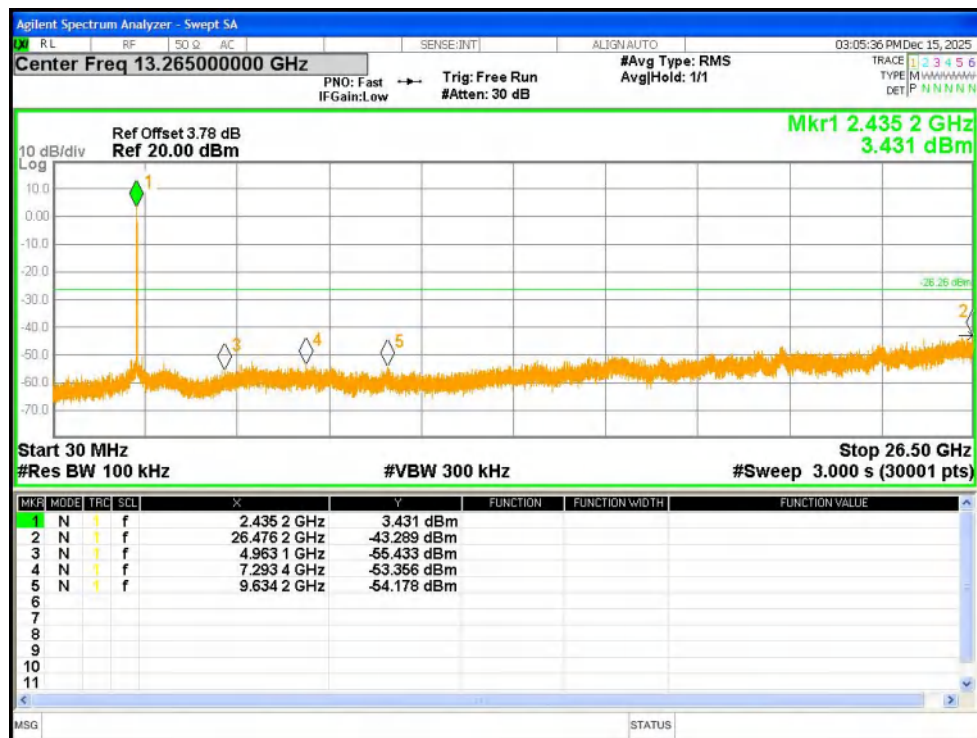


Tx. Spurious NVNT b 2412MHz Ant1 Emission

Report

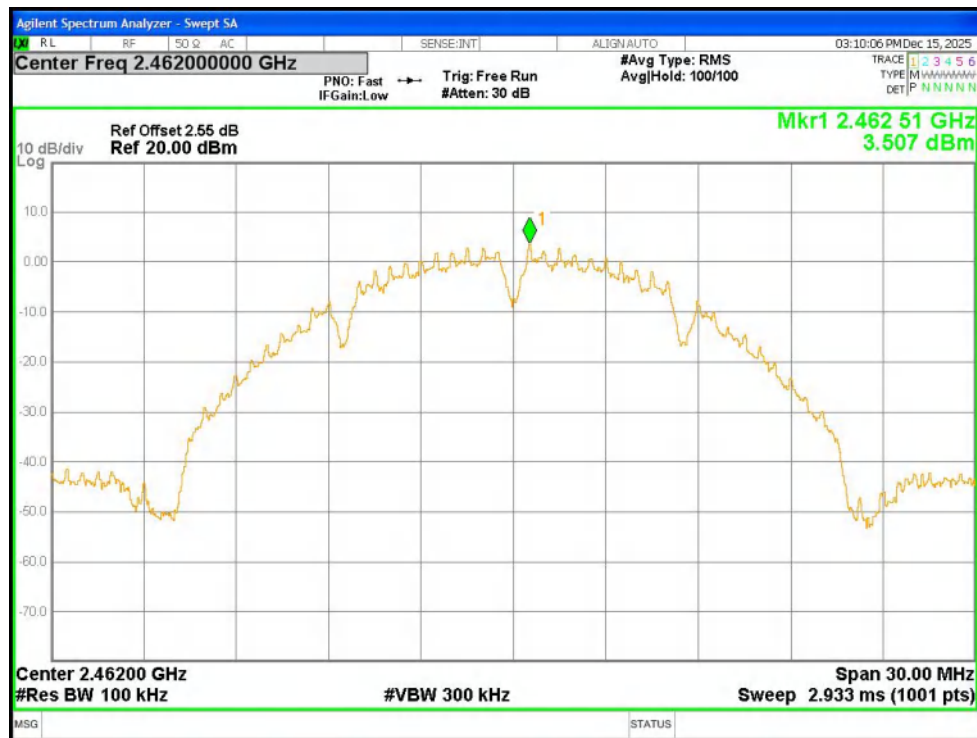


Tx. Spurious NVNT b 2437MHz Ant1 Ref

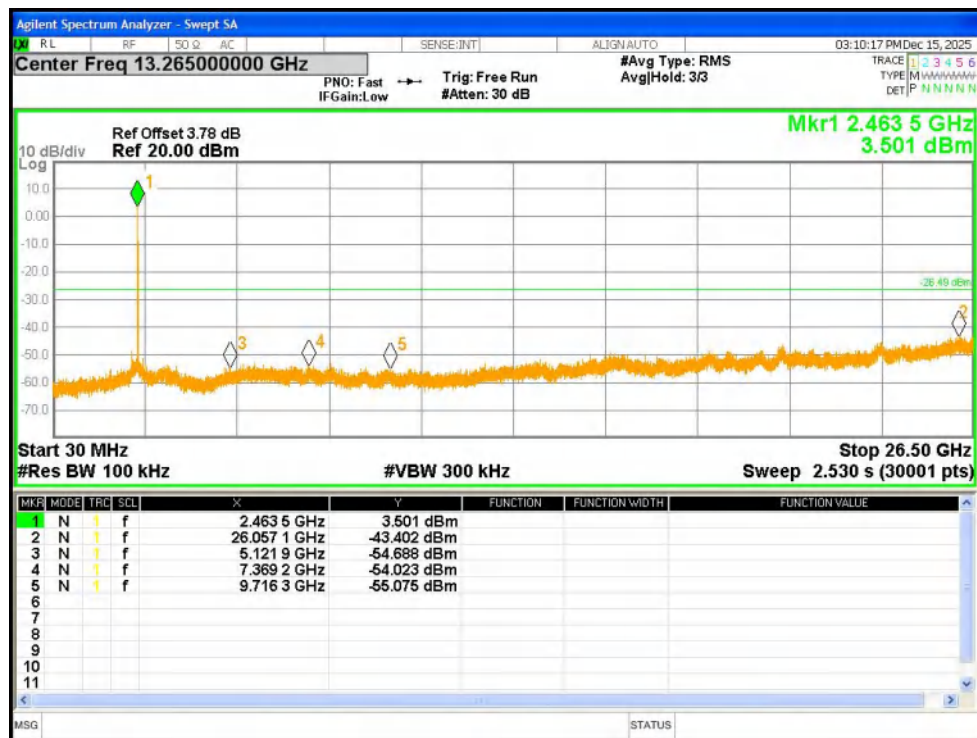


Tx. Spurious NVNT b 2437MHz Ant1 Emission

Report

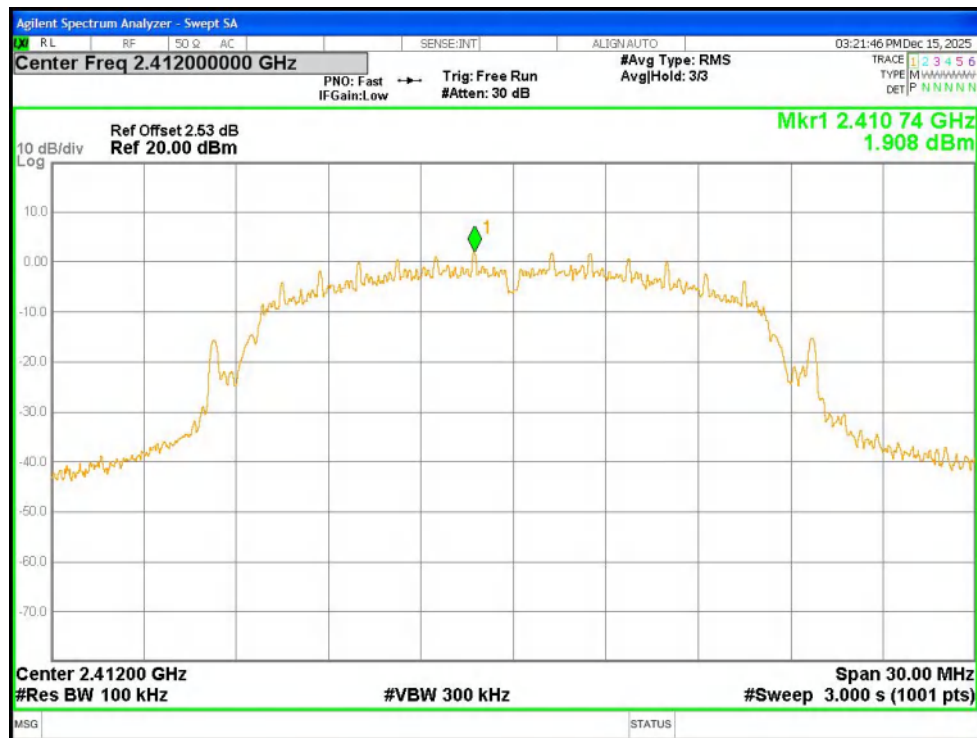


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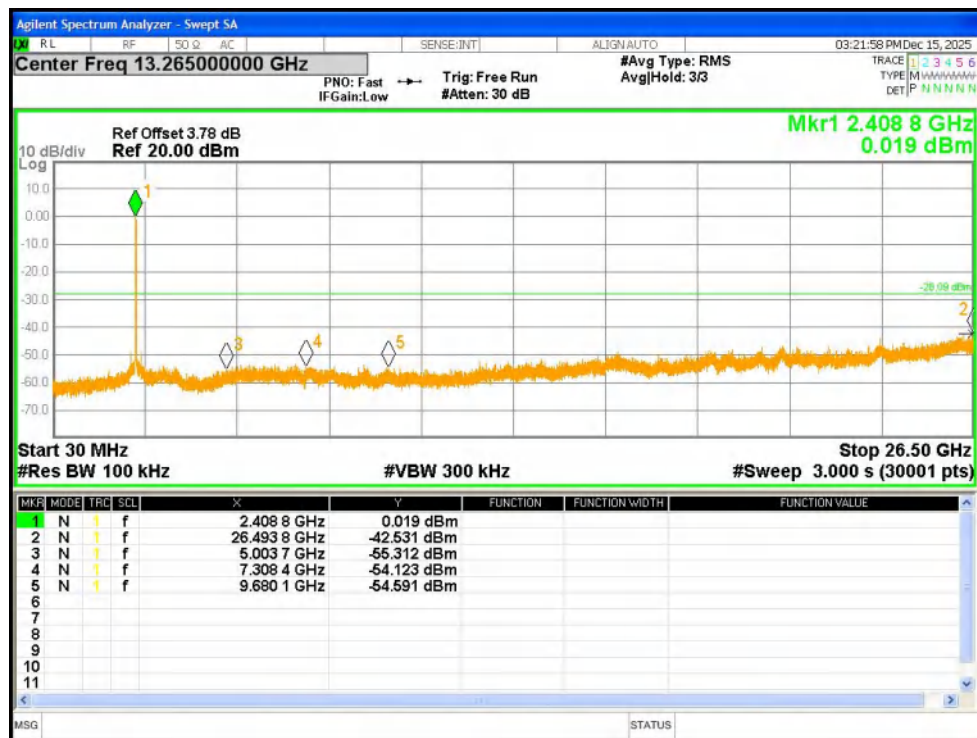


Tx. Spurious NVNT b 2462MHz Ant1 Emission

Report

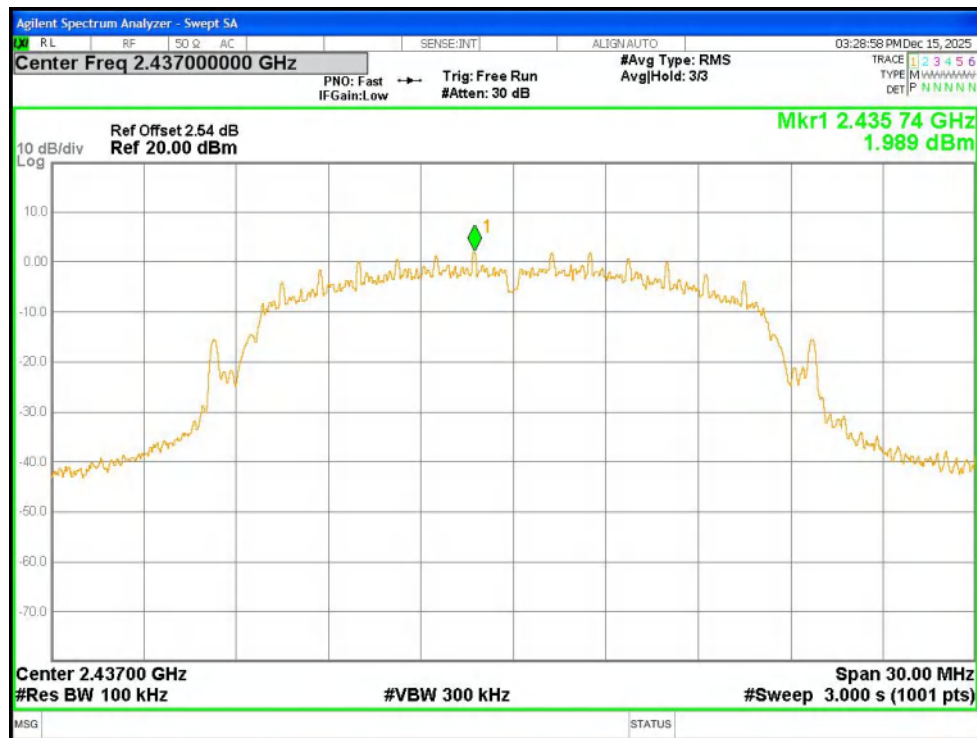


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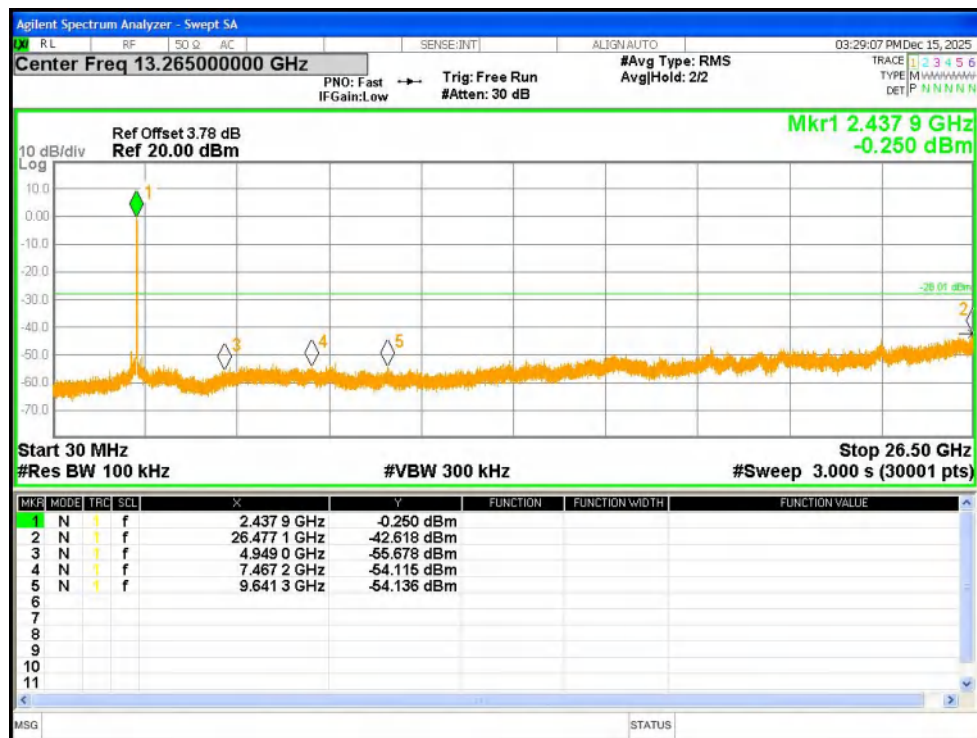


Tx. Spurious NVNT g 2412MHz Ant1 Emission

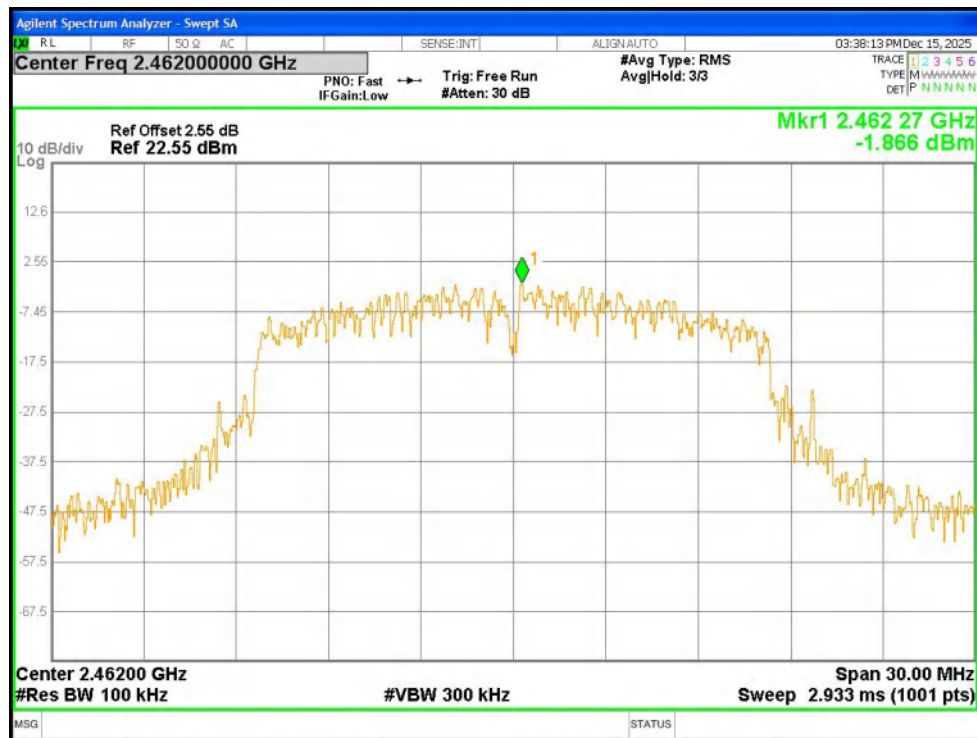
Report



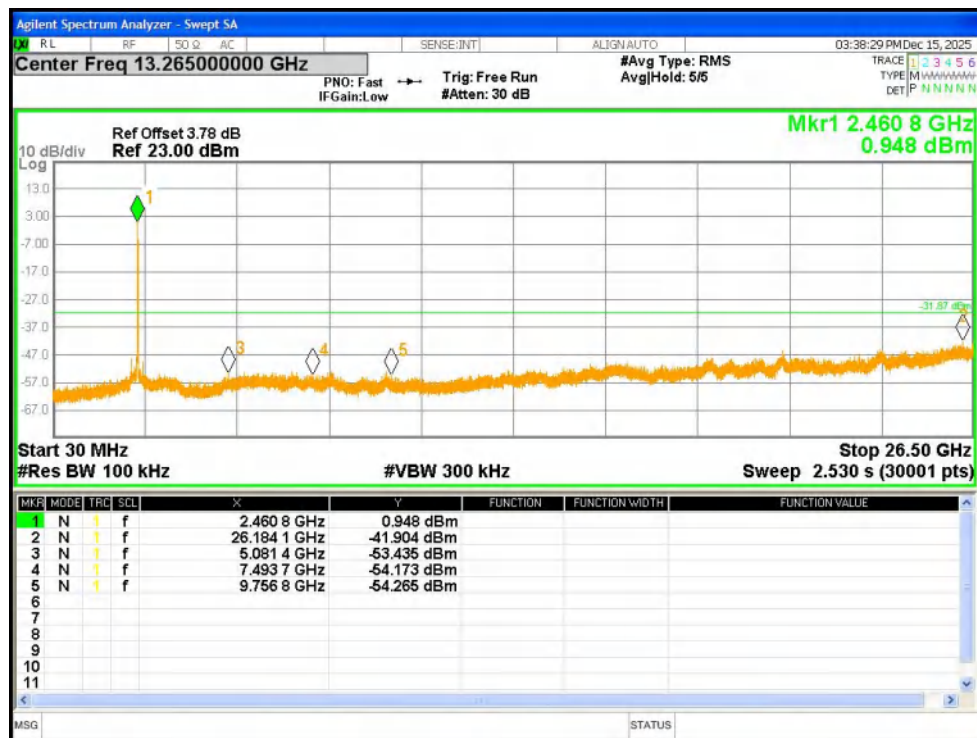
Tx. Spurious NVNT g 2437MHz Ant1 Ref



Tx. Spurious NVNT g 2437MHz Ant1 Emission

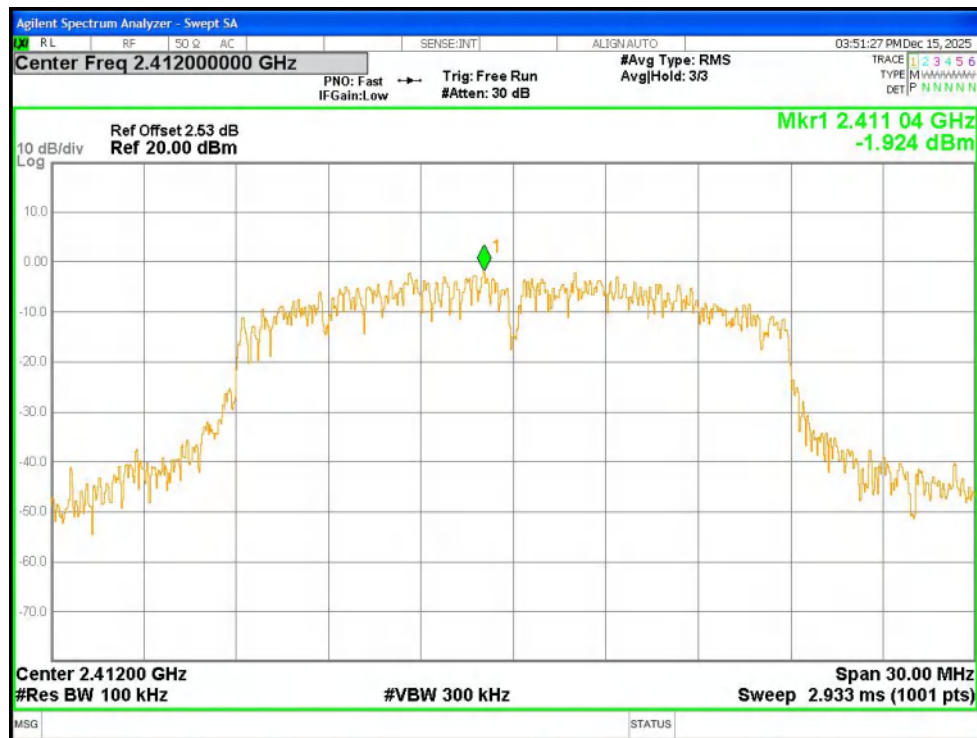


Tx. Spurious NVNT g 2462MHz Ant1 Ref

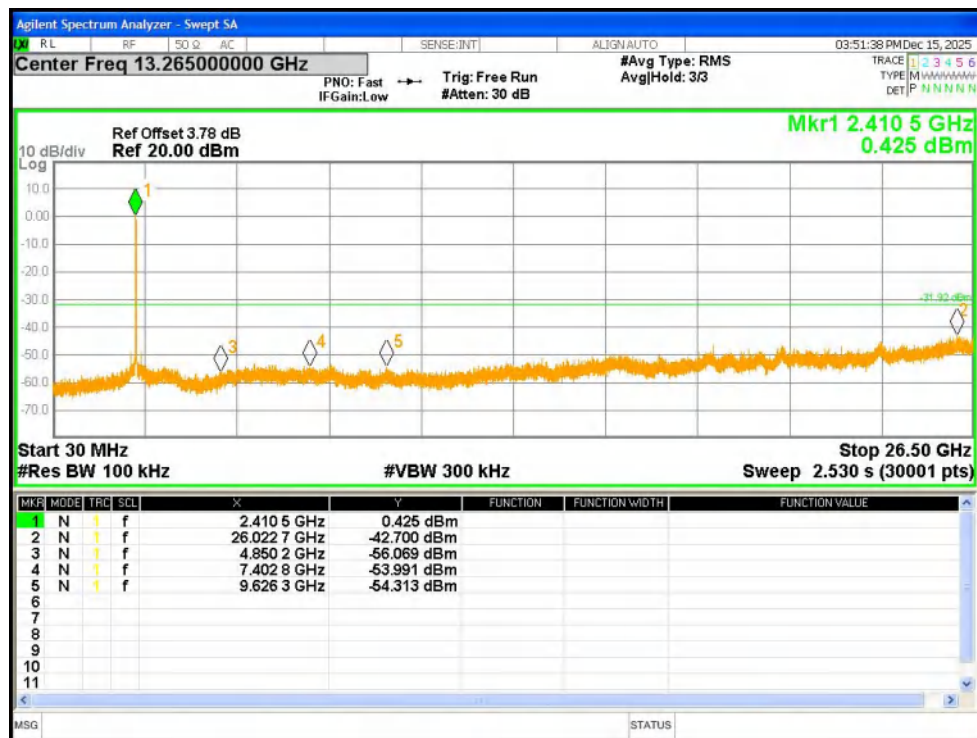


Tx. Spurious NVNT g 2462MHz Ant1 Emission

Report



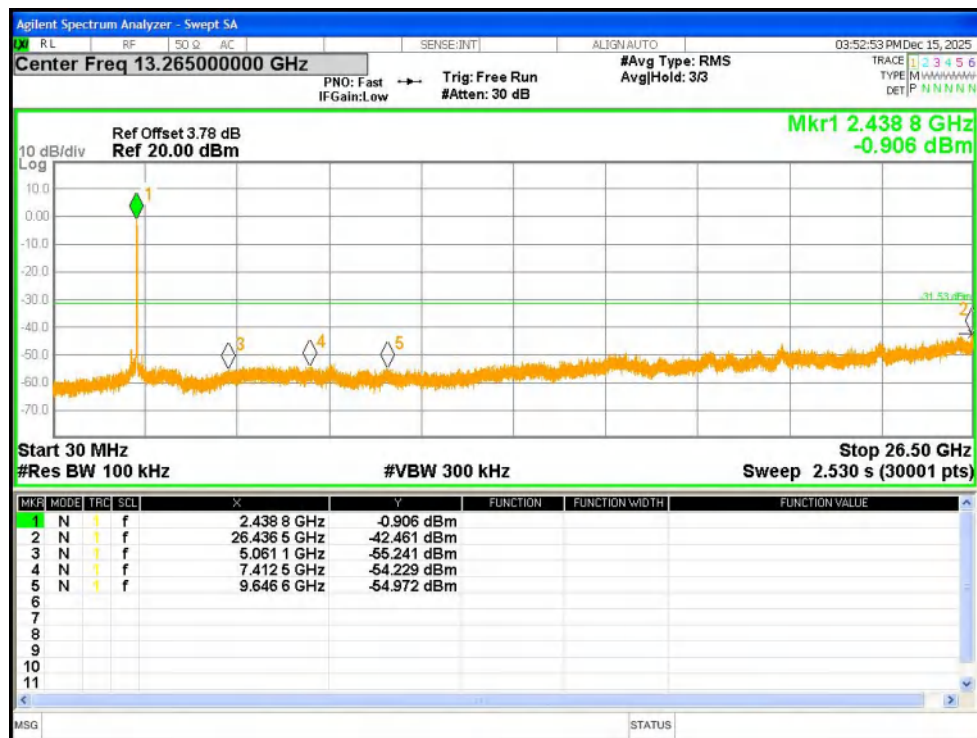
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



Tx. Spurious NVNT n20 2412MHz Ant1 Emission



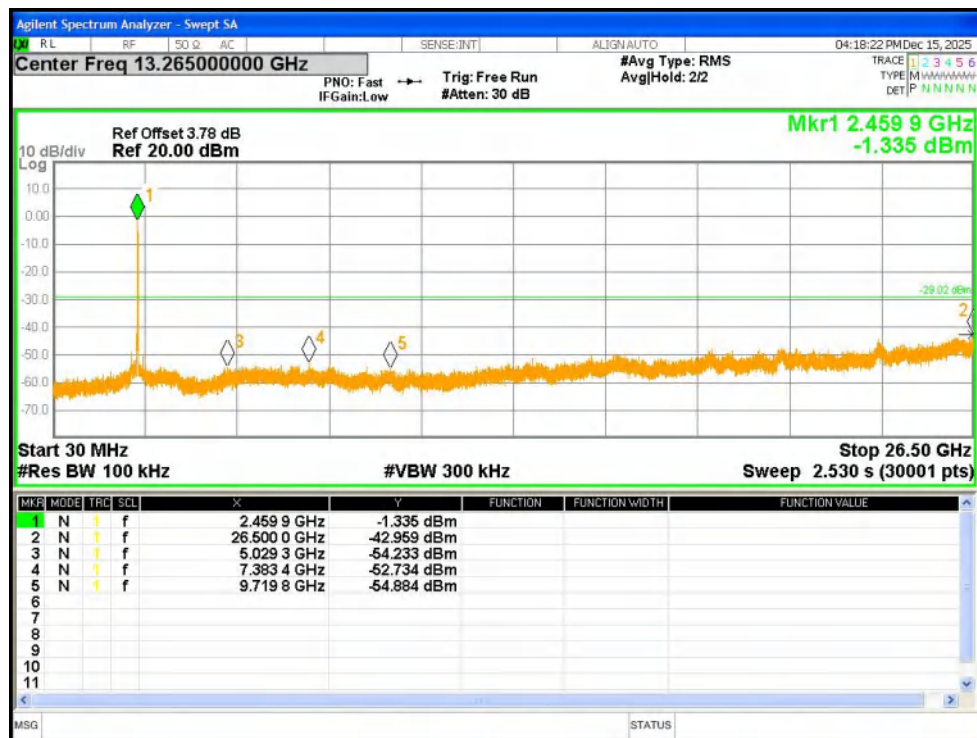
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



Tx. Spurious NVNT n20 2437MHz Ant1 Emission

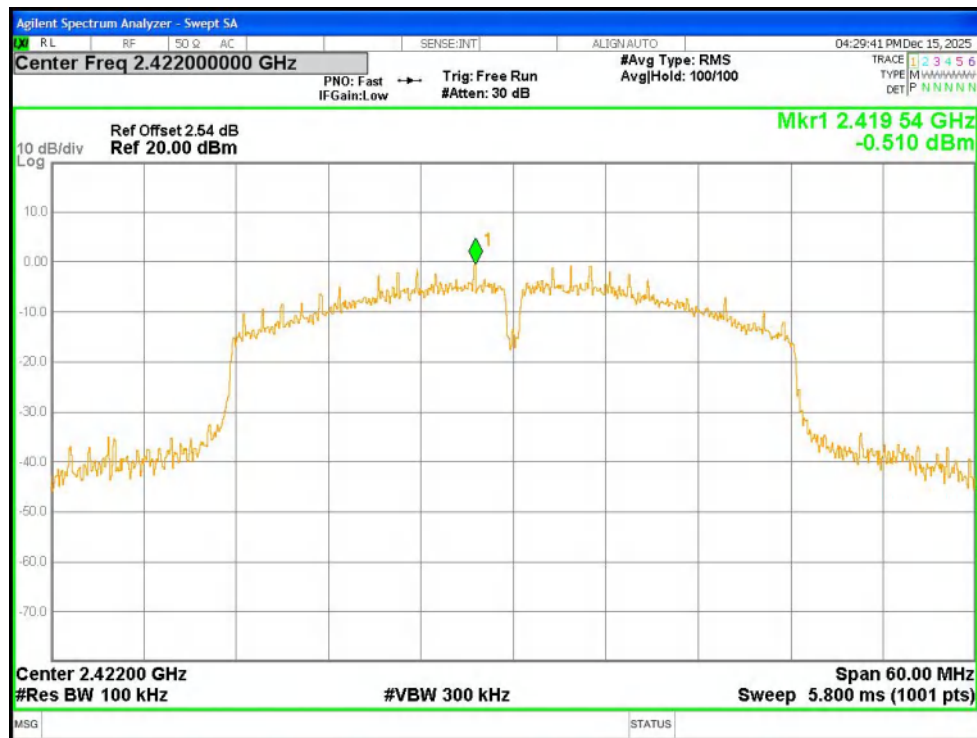


Tx. Spurious NVNT n20 2462MHz Ant1 Ref

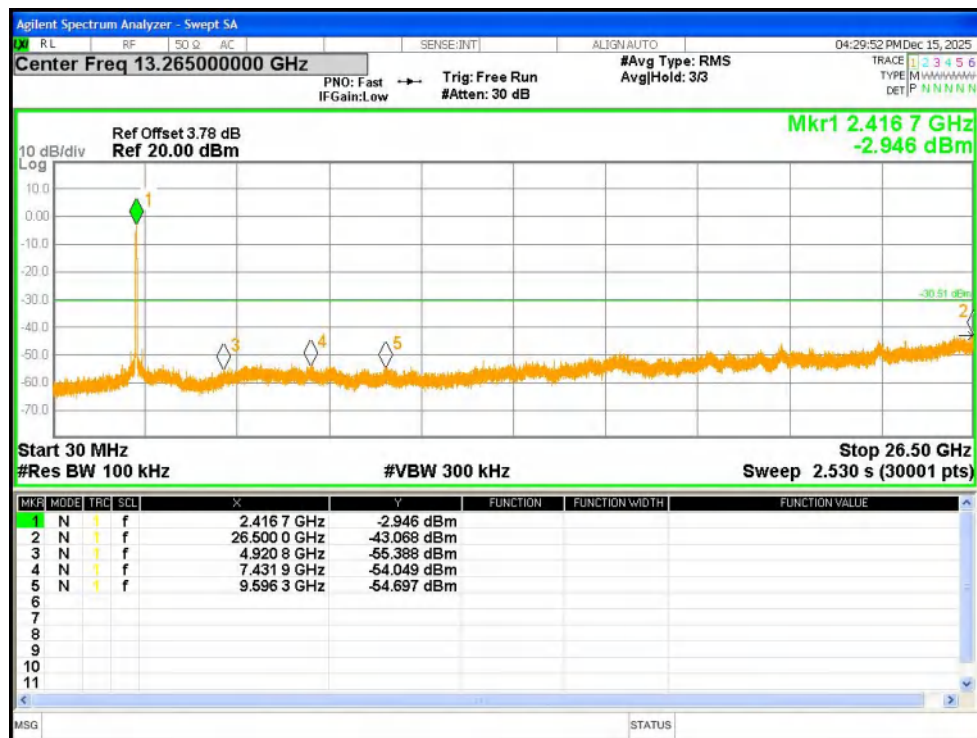


Tx. Spurious NVNT n20 2462MHz Ant1 Emission

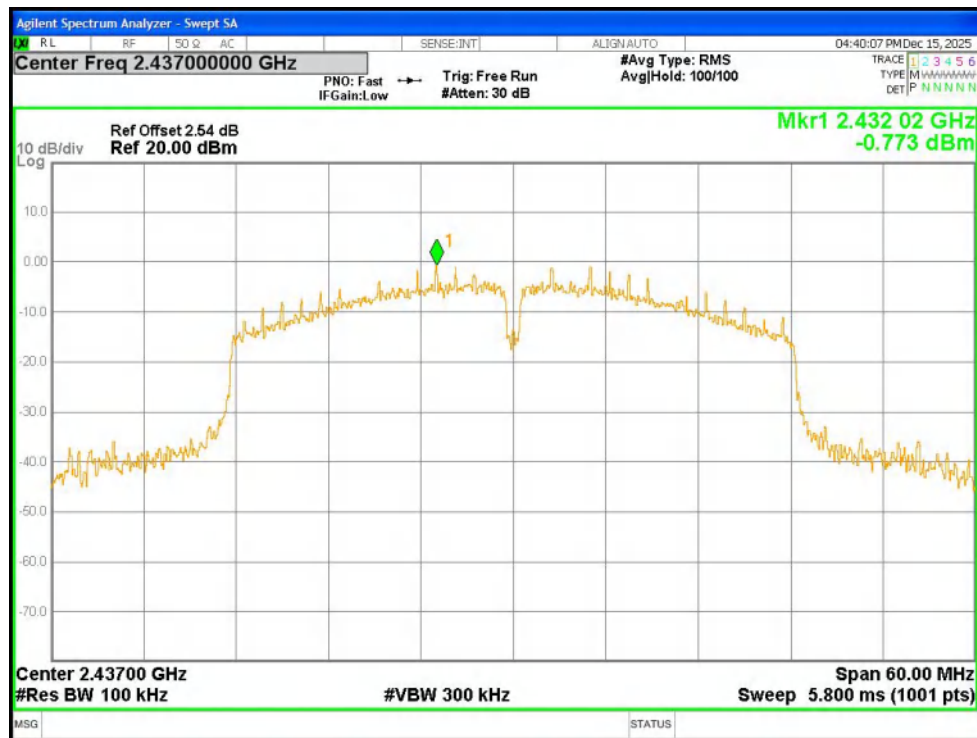
Report



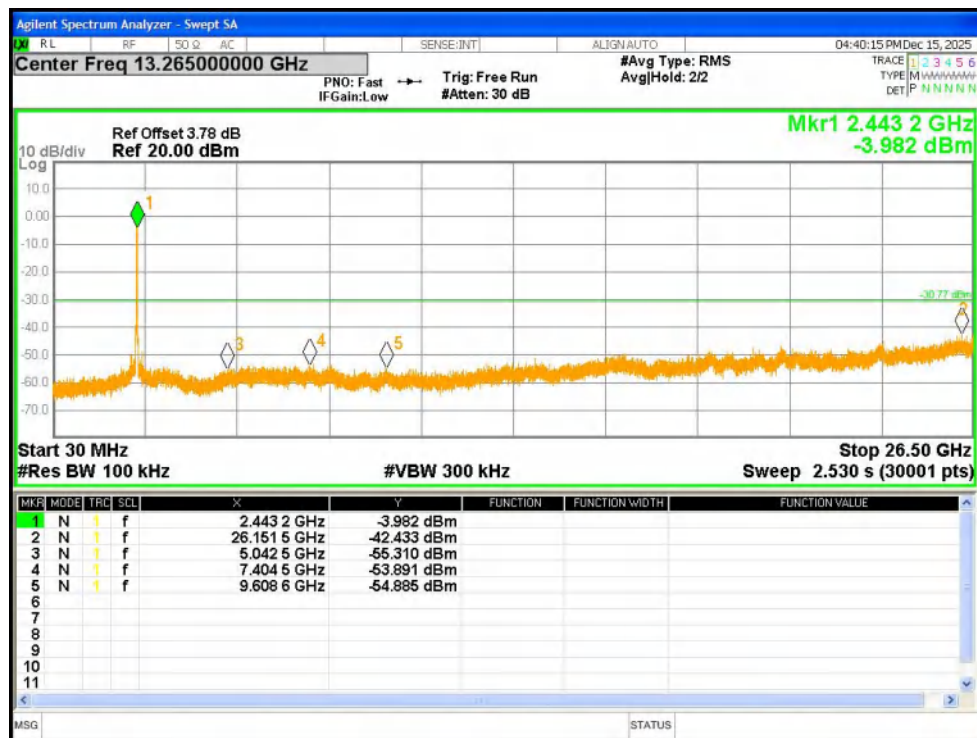
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



Tx. Spurious NVNT n40 2422MHz Ant1 Emission

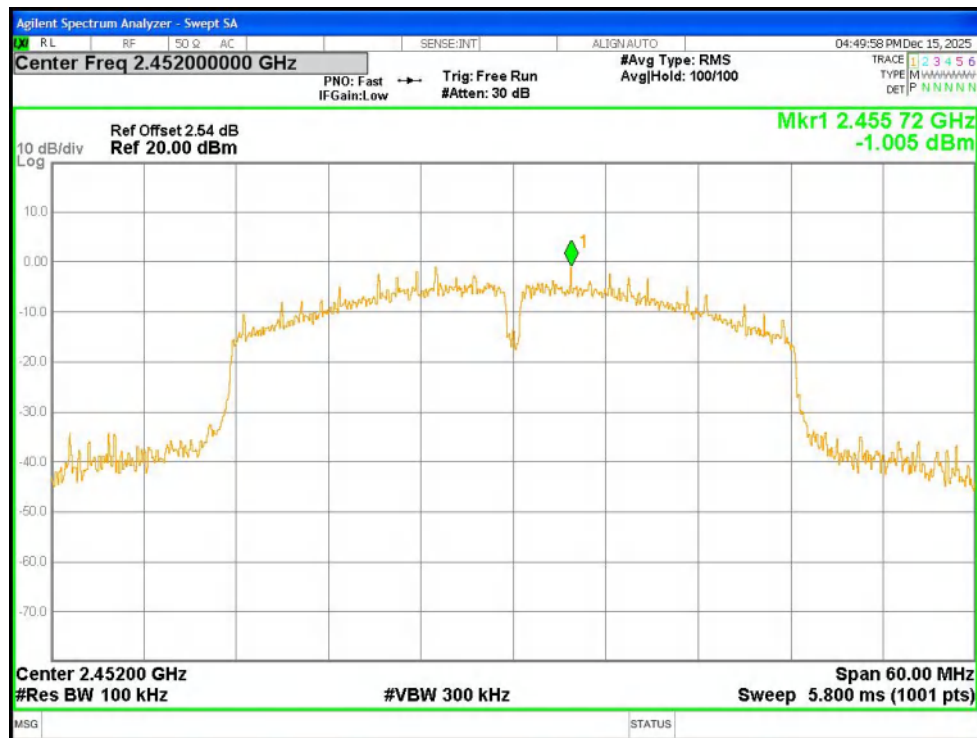


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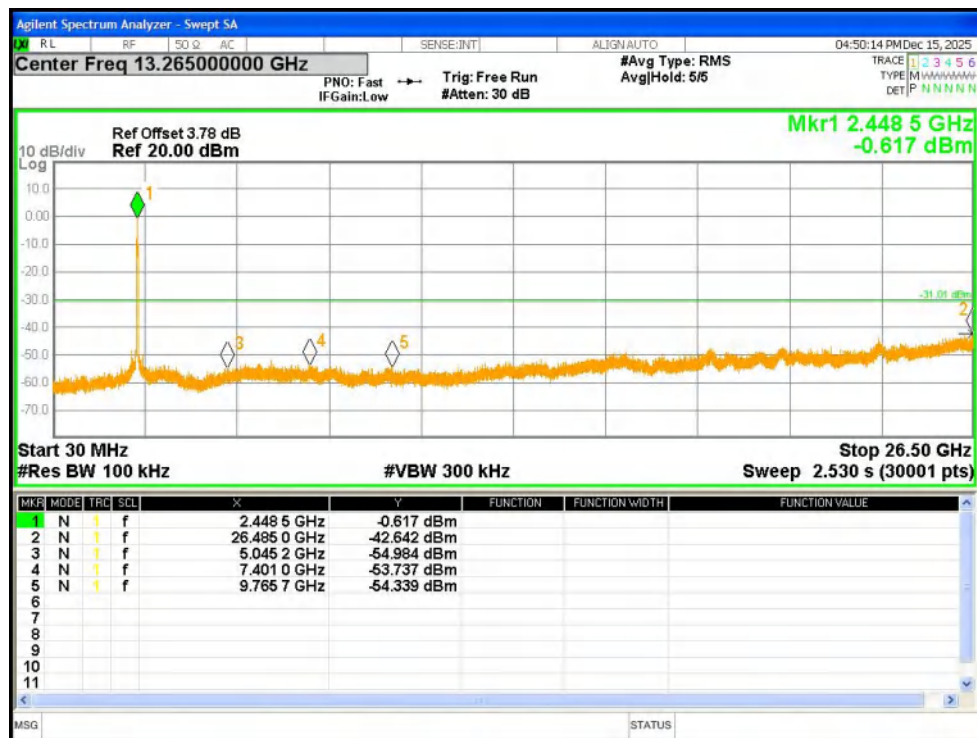


Tx. Spurious NVNT n40 2437MHz Ant1 Emission

Report



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission