RAYPODO GROUP (HK) LIMITED

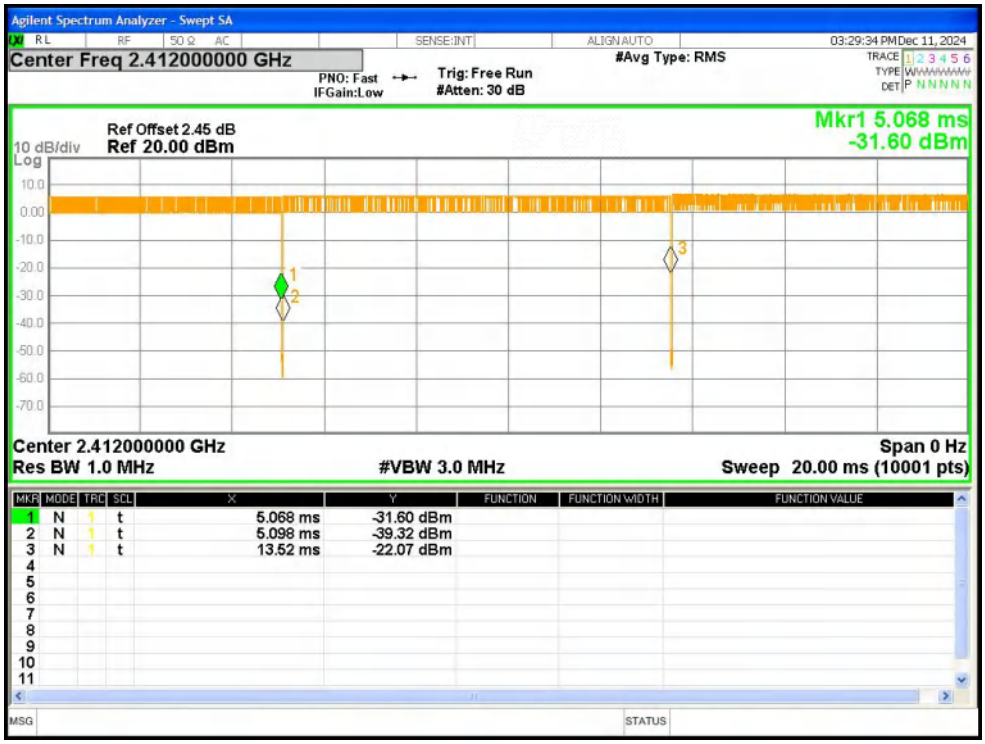
FCC ID:2BM3T-RPD1400T

Model:RPD-1400T

Test Data

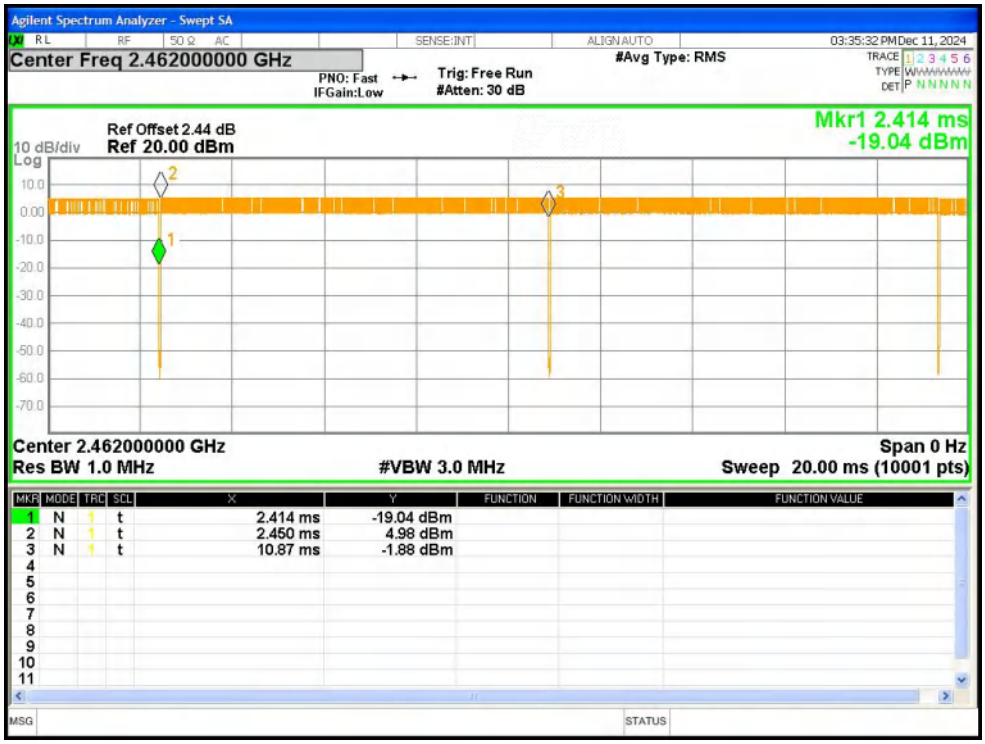
1. Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.65	0	0.12
NVNT	b	2437	Ant1	99.57	0	0.12
NVNT	b	2462	Ant1	99.57	0	0.12
NVNT	g	2412	Ant1	97.21	0.12	0.72
NVNT	g	2437	Ant1	97.35	0.12	0.72
NVNT	g	2462	Ant1	97.21	0.12	0.72
NVNT	n20	2412	Ant1	97.03	0.13	0.76
NVNT	n20	2437	Ant1	97.03	0.13	0.76
NVNT	n20	2462	Ant1	97.03	0.13	0.76

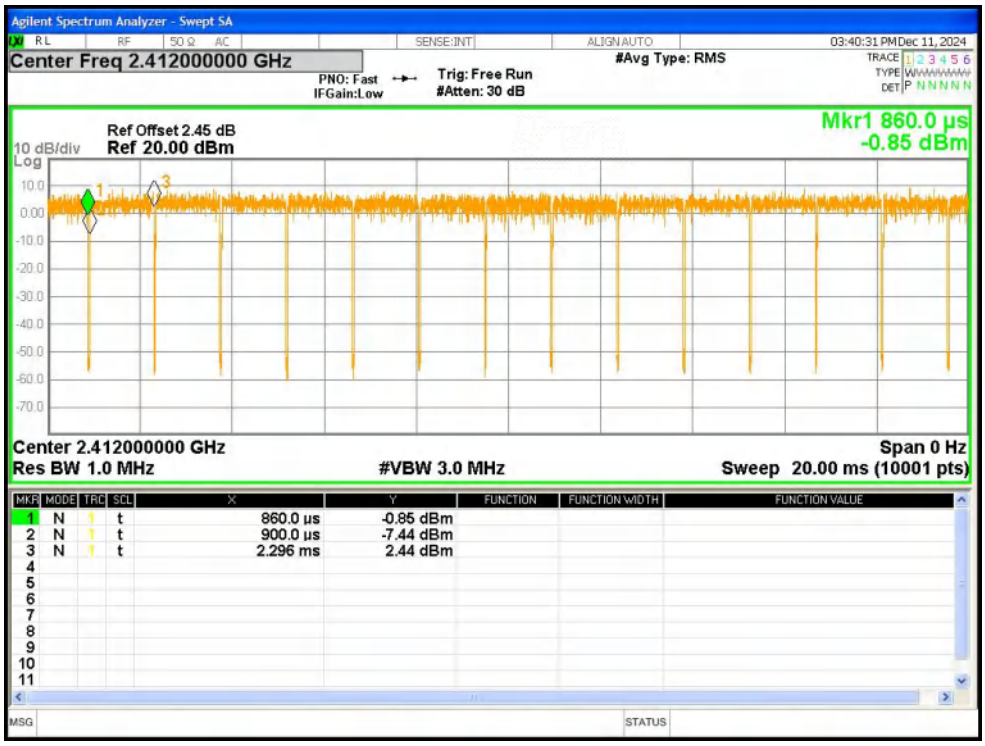


Duty Cycle NVNT b 2412MHz Ant1

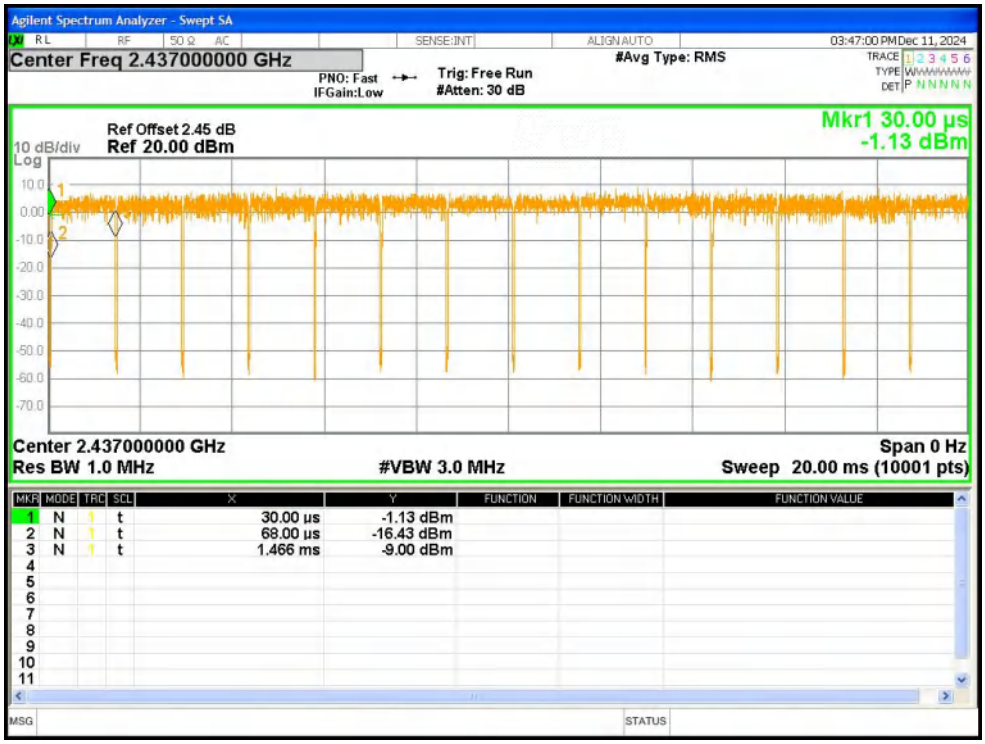
Duty Cycle NVNT b 2437MHz Ant1



Duty Cycle NVNT b 2462MHz Ant1

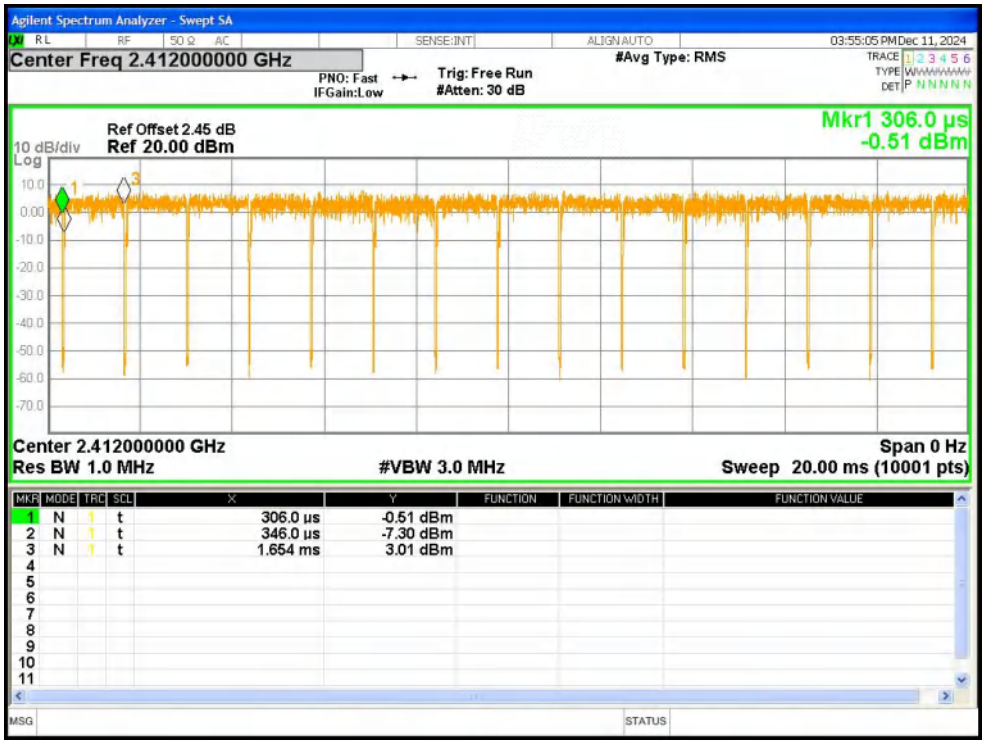


Duty Cycle NVNT g 2412MHz Ant1

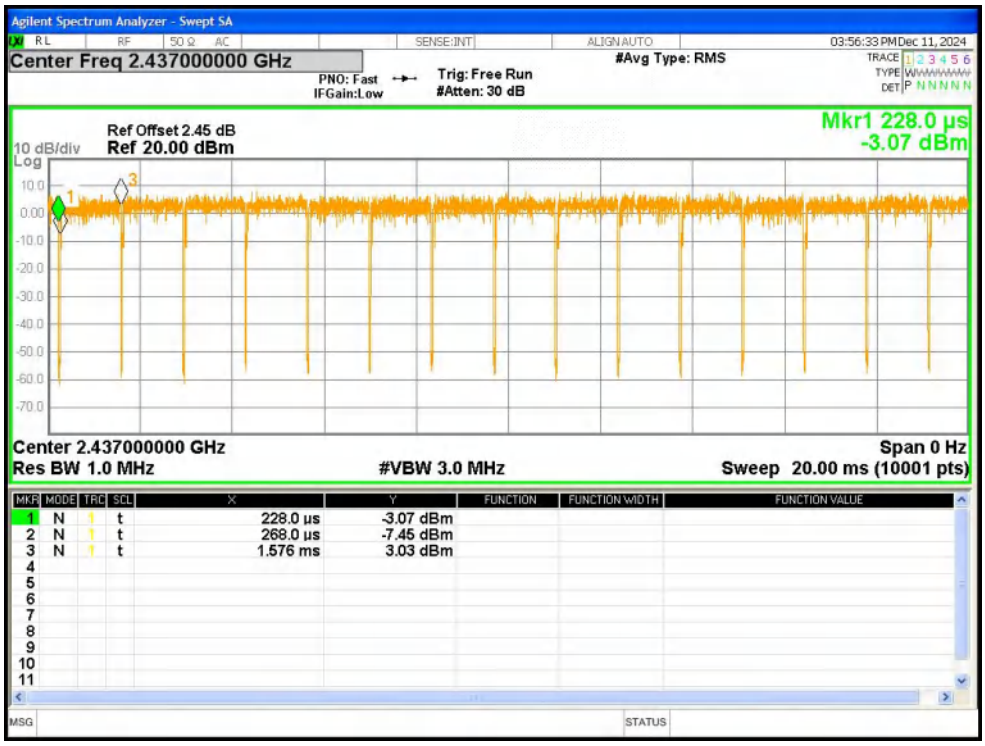


Duty Cycle NVNT g 2437MHz Ant1

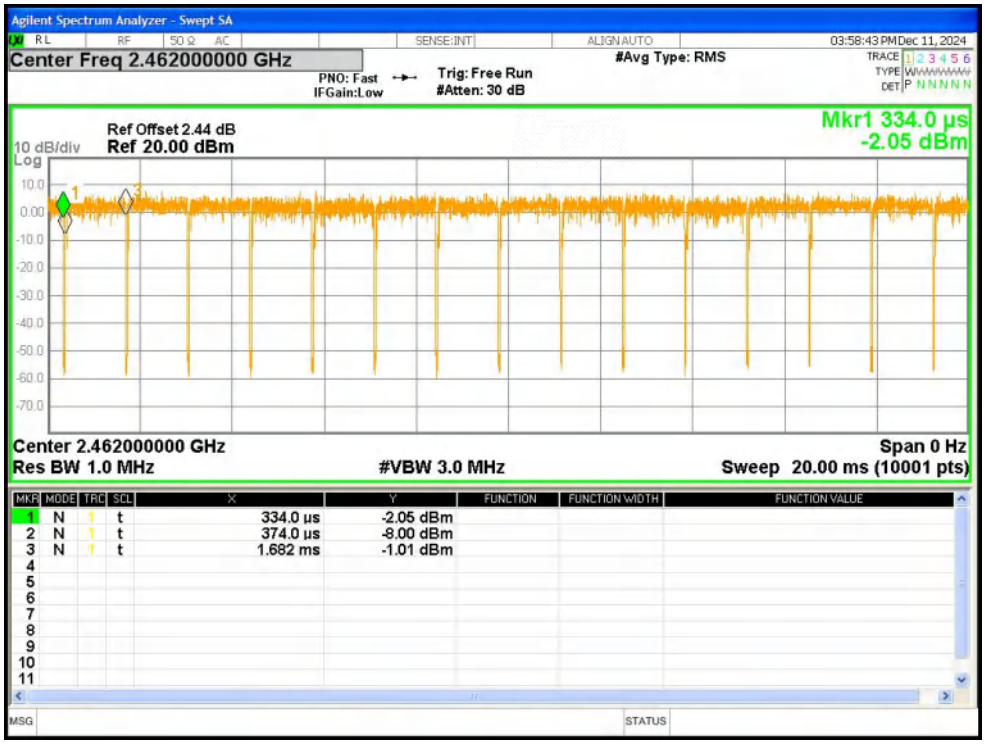
Duty Cycle NVNT g 2462MHz Ant1



Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1



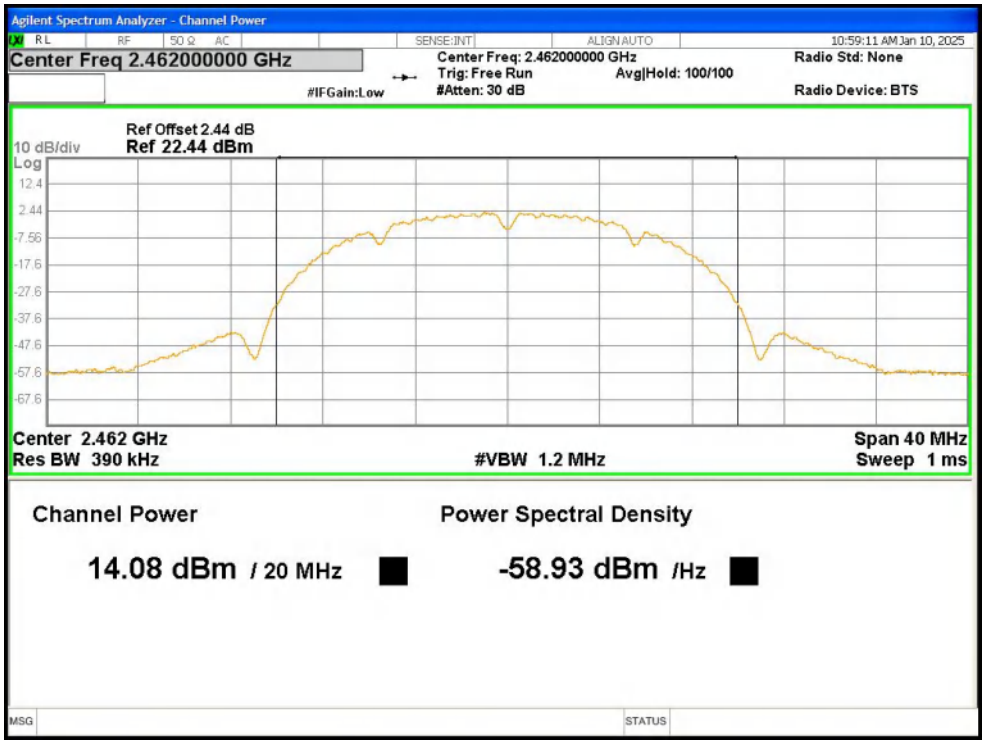
Duty Cycle NVNT n20 2462MHz Ant1

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	14.85	0	14.85	30	Pass
NVNT	b	2437	Ant1	14.66	0	14.66	30	Pass
NVNT	b	2462	Ant1	14.08	0	14.08	30	Pass
NVNT	g	2412	Ant1	14.08	0.12	14.20	30	Pass
NVNT	g	2437	Ant1	13.68	0.12	13.80	30	Pass
NVNT	g	2462	Ant1	13.5	0.12	13.62	30	Pass
NVNT	n20	2412	Ant1	14.53	0.13	**14.66**	30	Pass
NVNT	n20	2437	Ant1	14.09	0.13	14.22	30	Pass
NVNT	n20	2462	Ant1	13.25	0.13	13.38	30	Pass

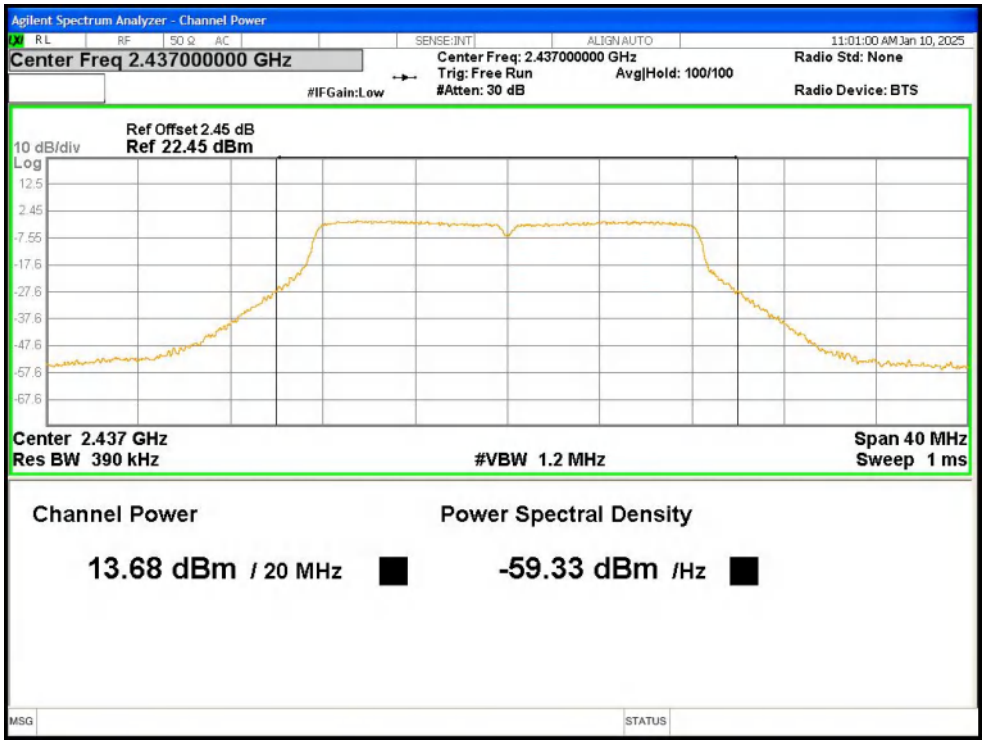
Average Power NVNT b 2412MHz Ant1

Average Power NVNT b 2437MHz Ant1



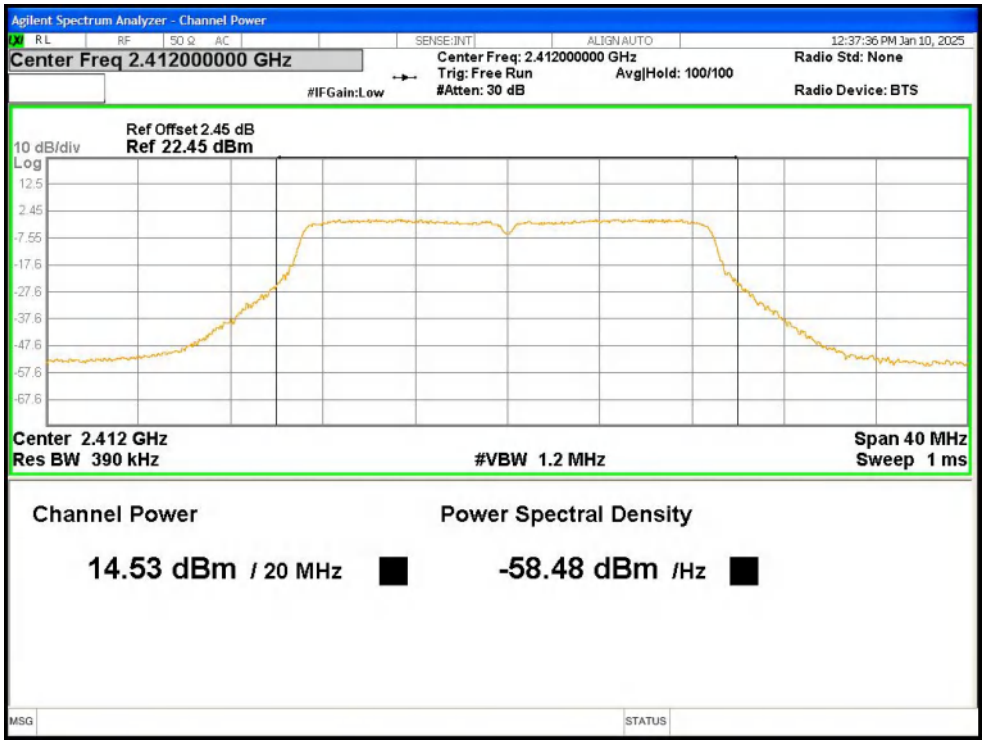
Average Power NVNT b 2462MHz Ant1

Average Power NVNT g 2412MHz Ant1

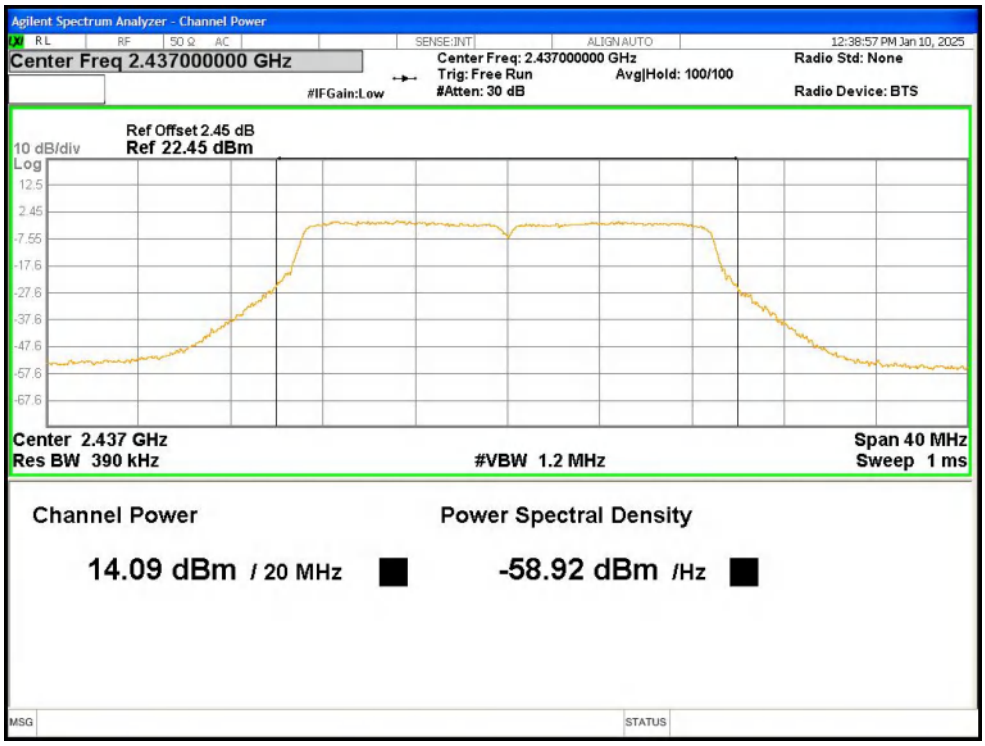


Average Power NVNT g 2437MHz Ant1

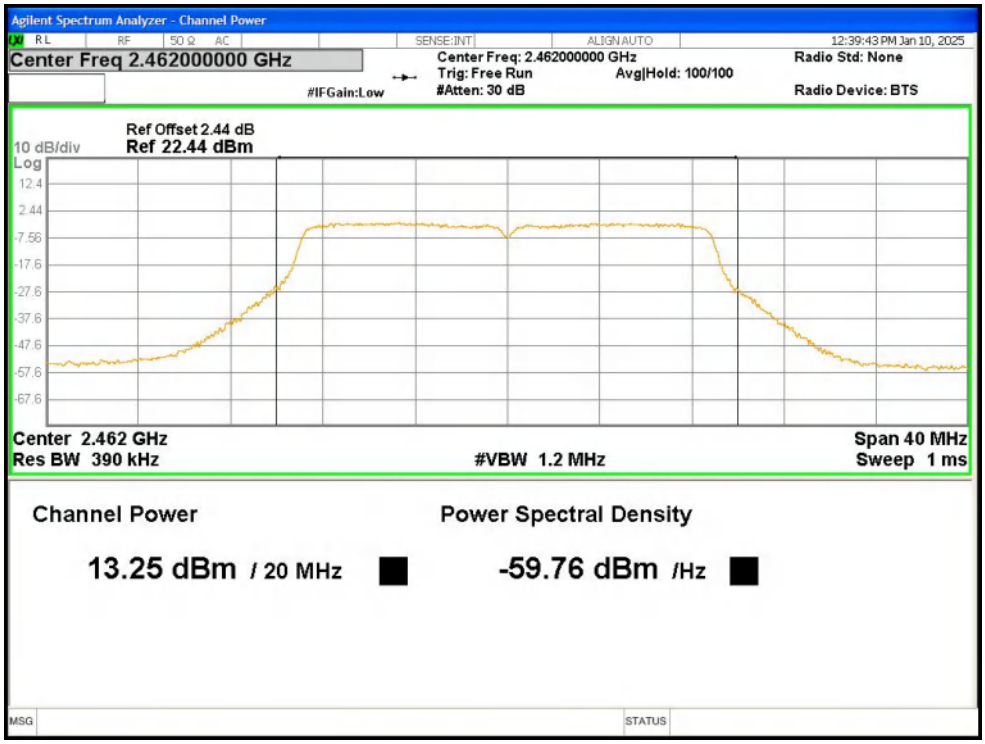
Average Power NVNT g 2462MHz Ant1



Average Power NVNT n20 2412MHz Ant1



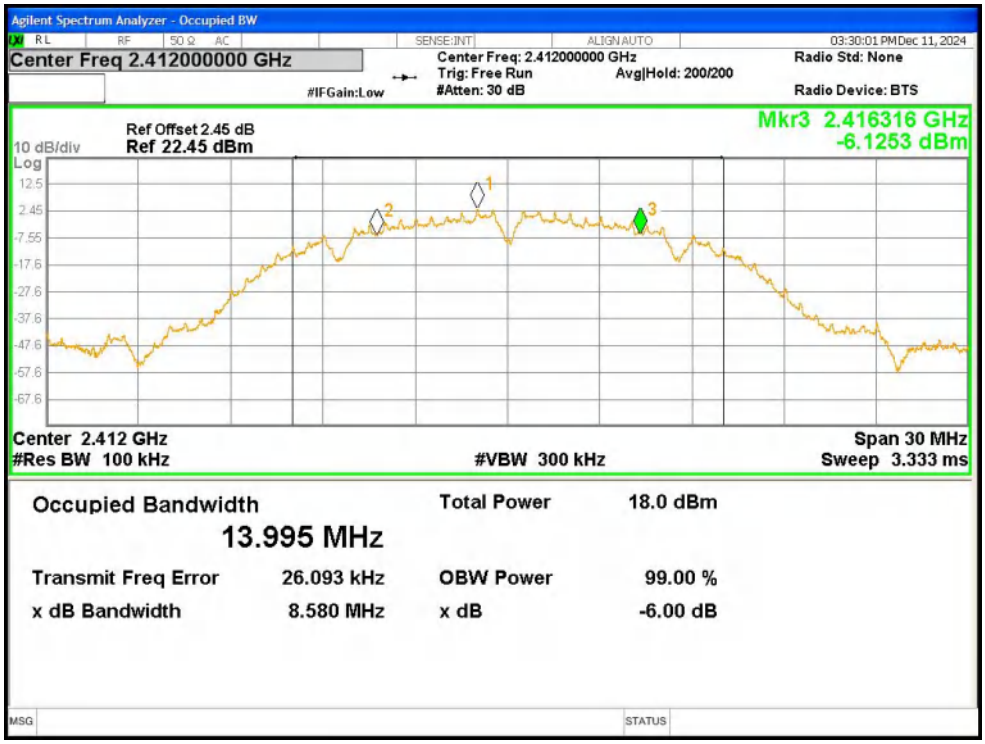
Average Power NVNT n20 2437MHz Ant1



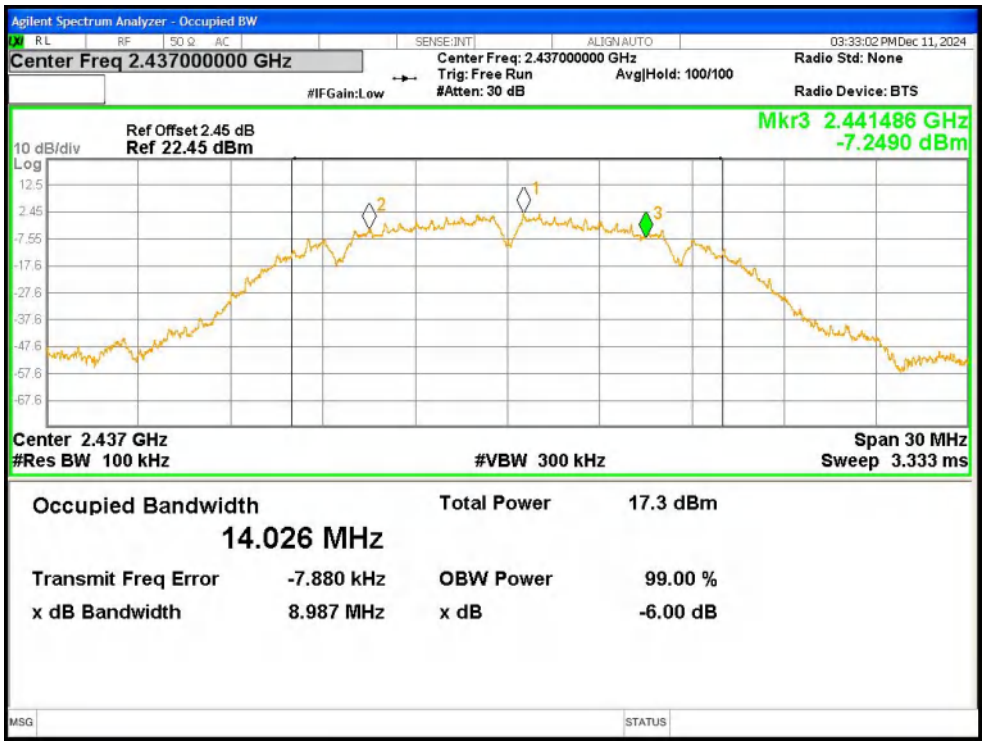
Average Power NVNT n20 2462MHz Ant1

3. -6dB Bandwidth

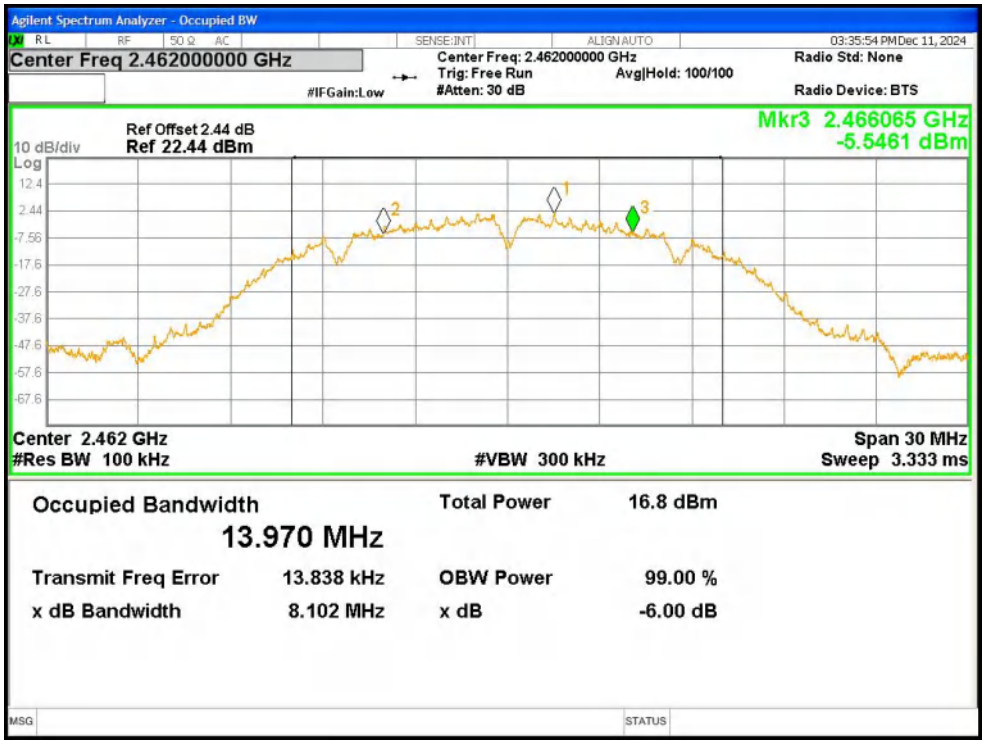
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.58	0.5	Pass
NVNT	b	2437	Ant1	8.987	0.5	Pass
NVNT	b	2462	Ant1	8.102	0.5	Pass
NVNT	g	2412	Ant1	12.613	0.5	Pass
NVNT	g	2437	Ant1	14.418	0.5	Pass
NVNT	g	2462	Ant1	15.114	0.5	Pass
NVNT	n20	2412	Ant1	14.585	0.5	Pass
NVNT	n20	2437	Ant1	15.142	0.5	Pass
NVNT	n20	2462	Ant1	13.878	0.5	Pass



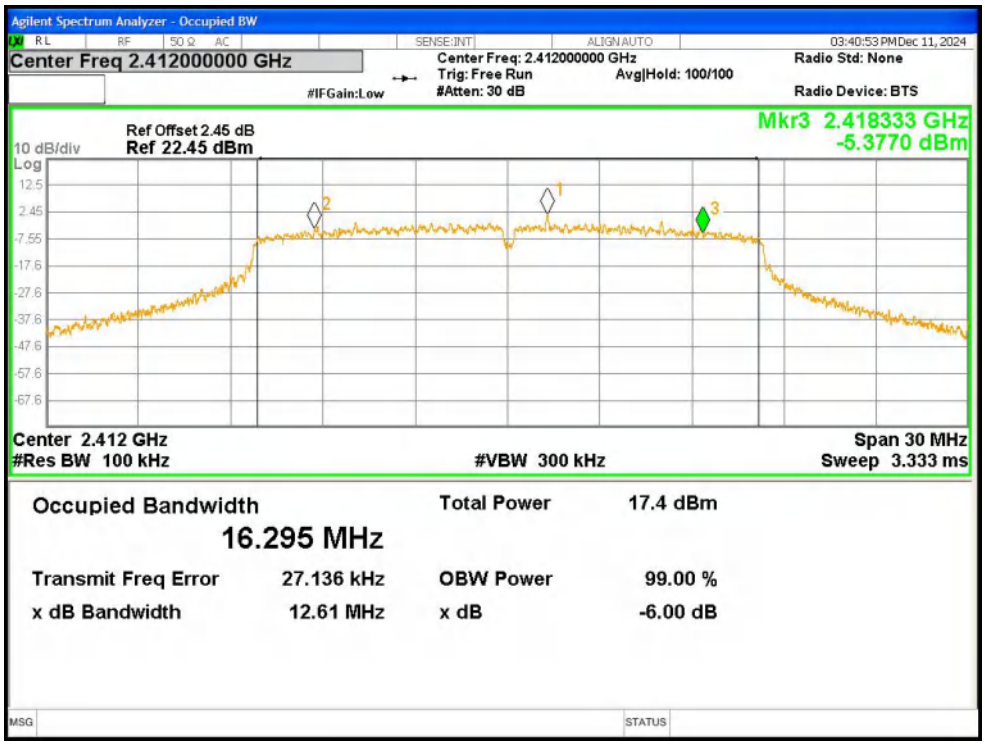
-6dB Bandwidth NVNT b 2412MHz Ant1



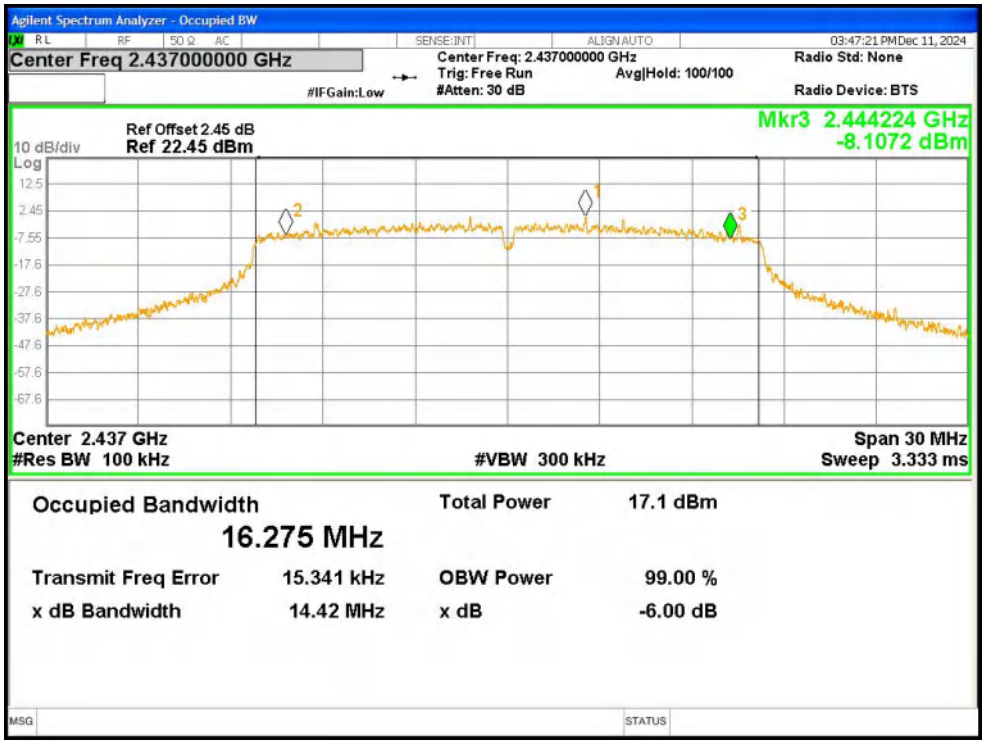
-6dB Bandwidth NVNT b 2437MHz Ant1



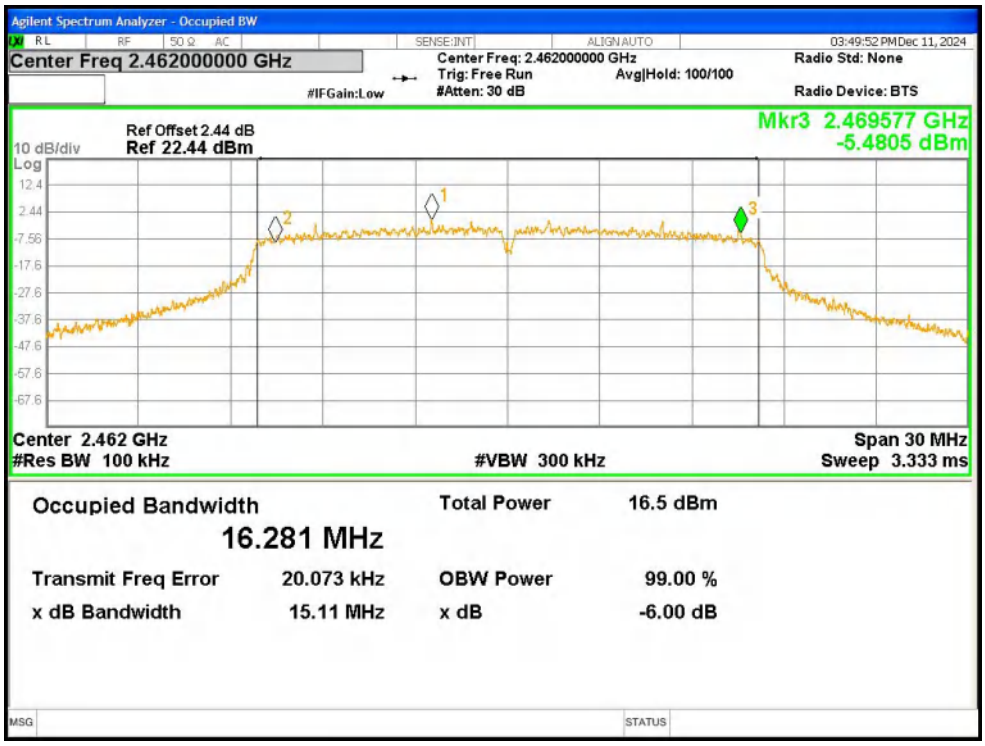
-6dB Bandwidth NVNT b 2462MHz Ant1



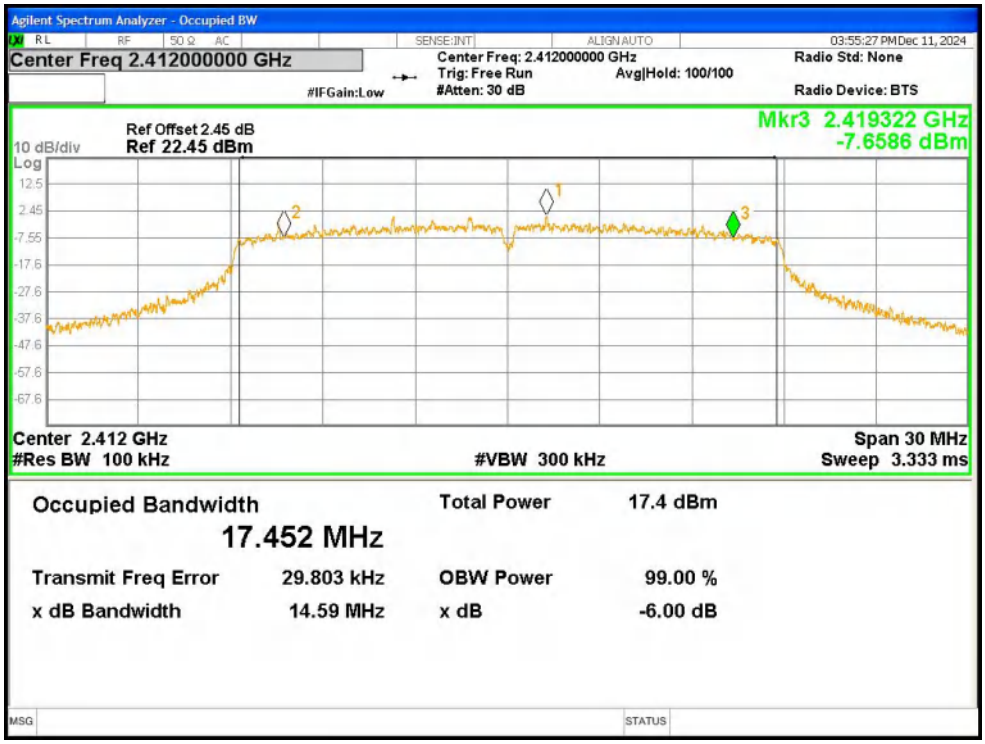
-6dB Bandwidth NVNT g 2412MHz Ant1



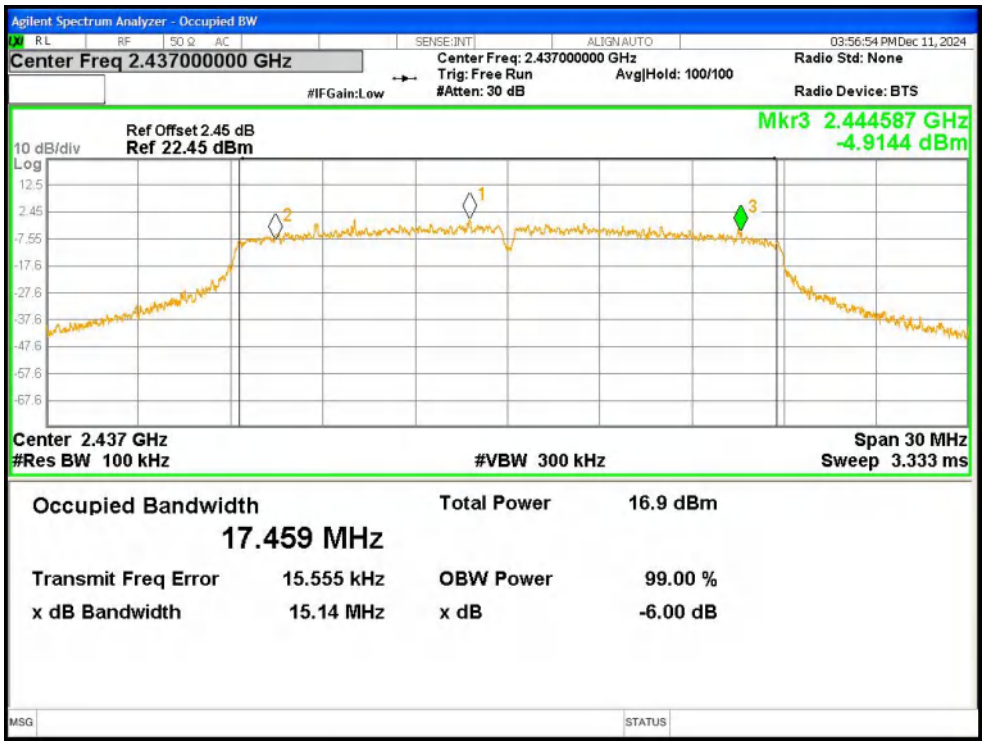
-6dB Bandwidth NVNT g 2437MHz Ant1



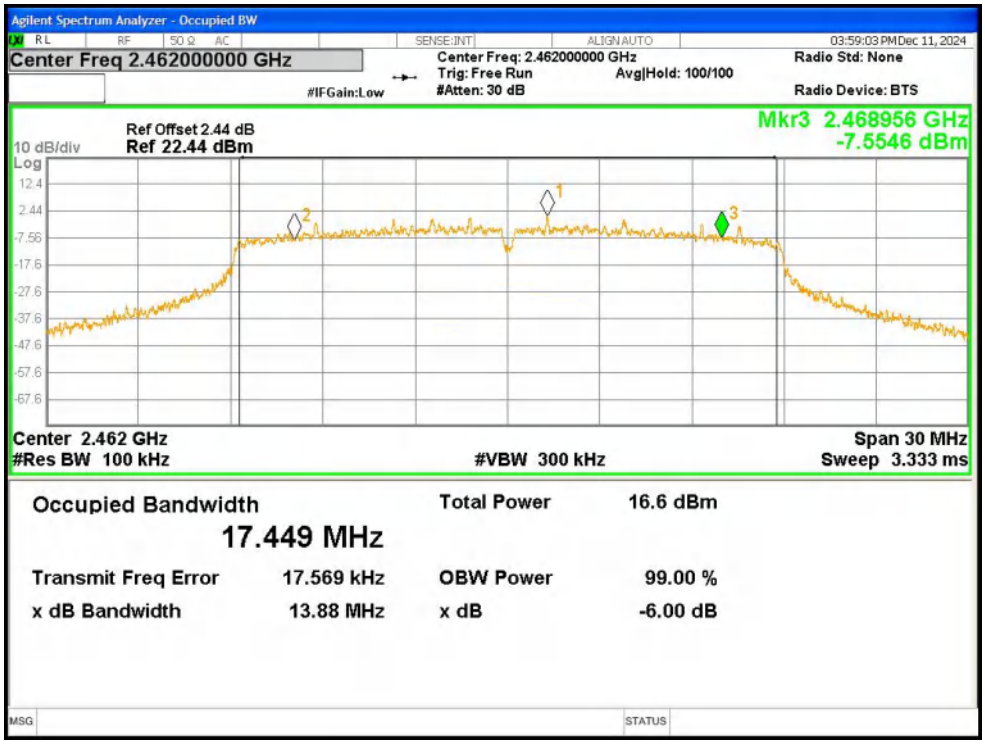
-6dB Bandwidth NVNT g 2462MHz Ant1



-6dB Bandwidth NVNT n20 2412MHz Ant1



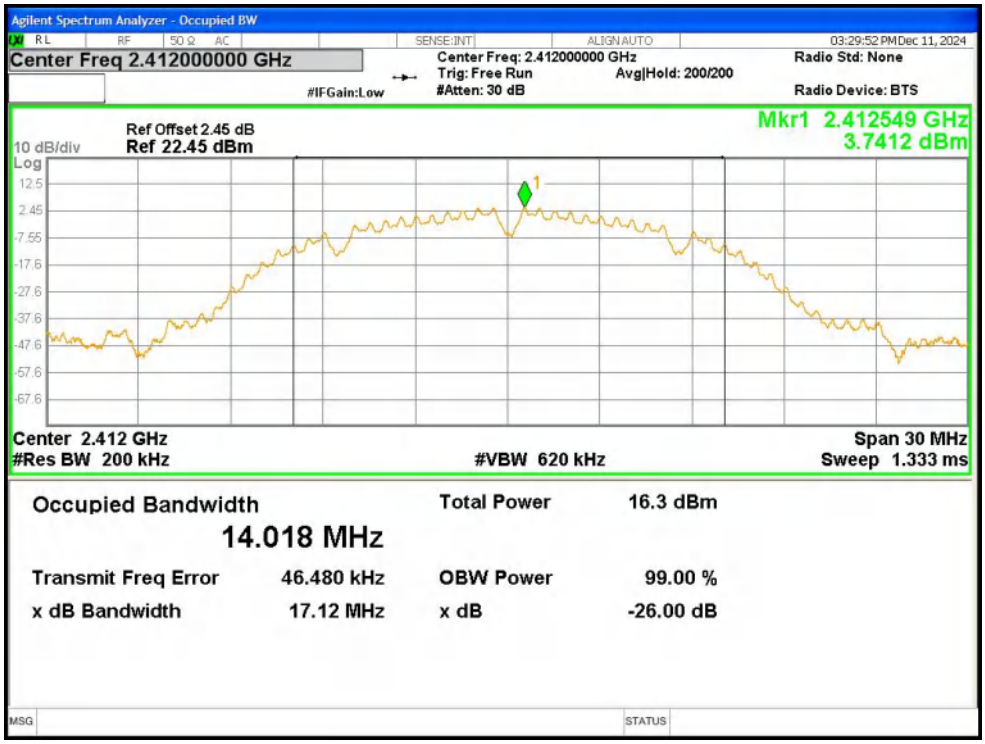
-6dB Bandwidth NVNT n20 2437MHz Ant1



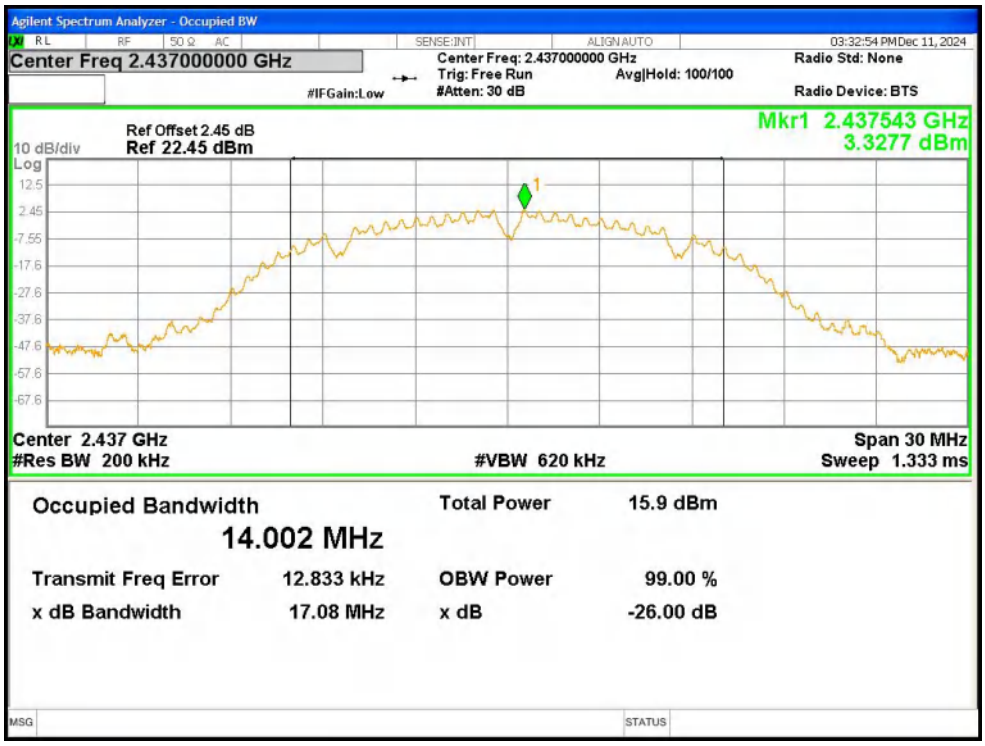
-6dB Bandwidth NVNT n20 2462MHz Ant1

4. Occupied Channel Bandwidth

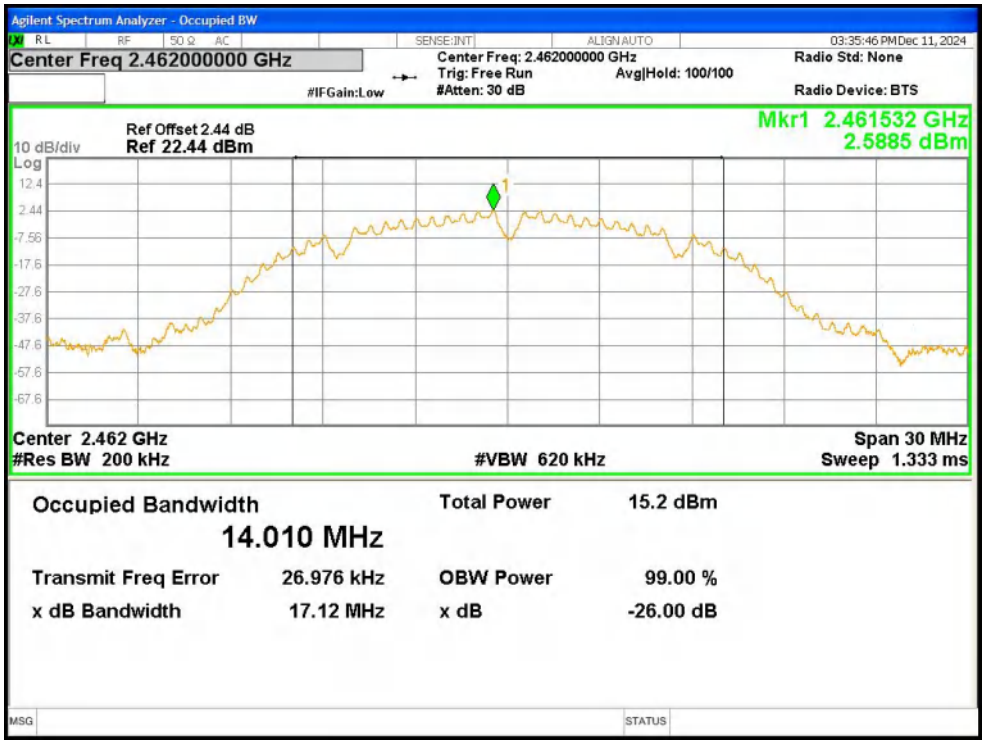
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.018
NVNT	b	2437	Ant1	14.002
NVNT	b	2462	Ant1	14.01
NVNT	g	2412	Ant1	16.307
NVNT	g	2437	Ant1	16.297
NVNT	g	2462	Ant1	16.312
NVNT	n20	2412	Ant1	17.444
NVNT	n20	2437	Ant1	17.446
NVNT	n20	2462	Ant1	17.443



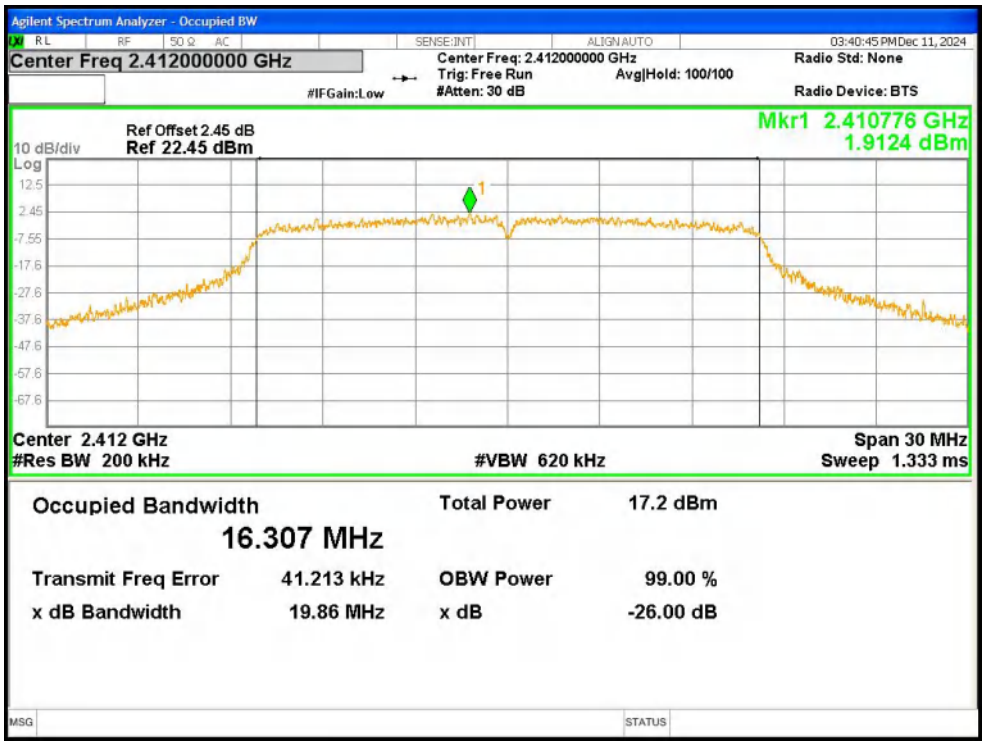
OBW NVNT b 2412MHz Ant1



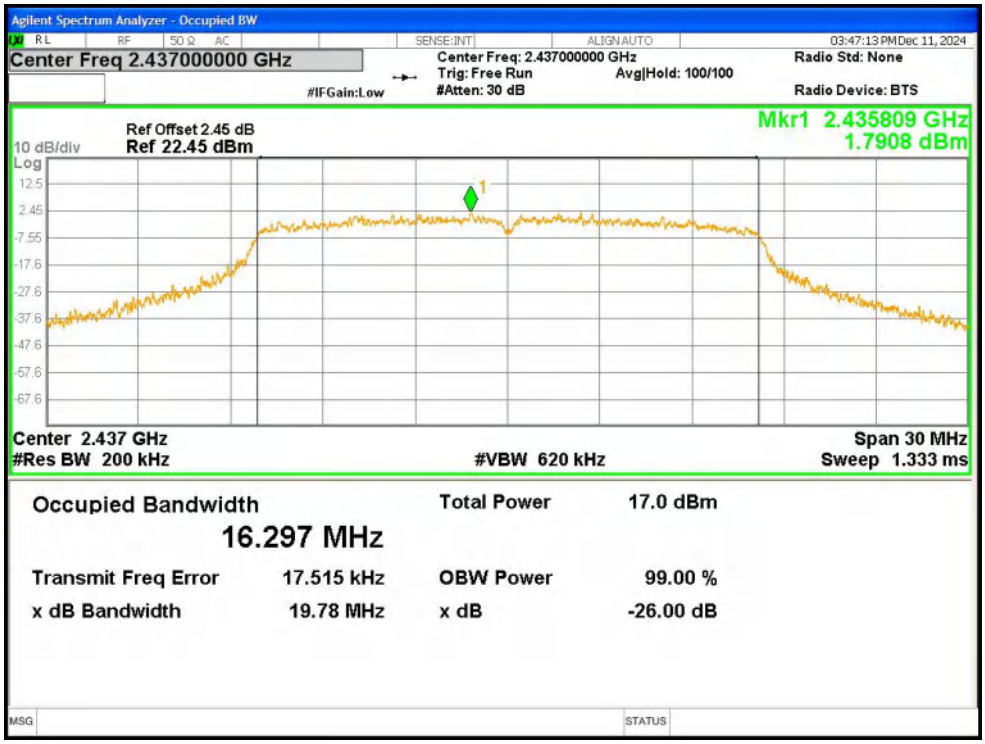
OBW NVNT b 2437MHz Ant1



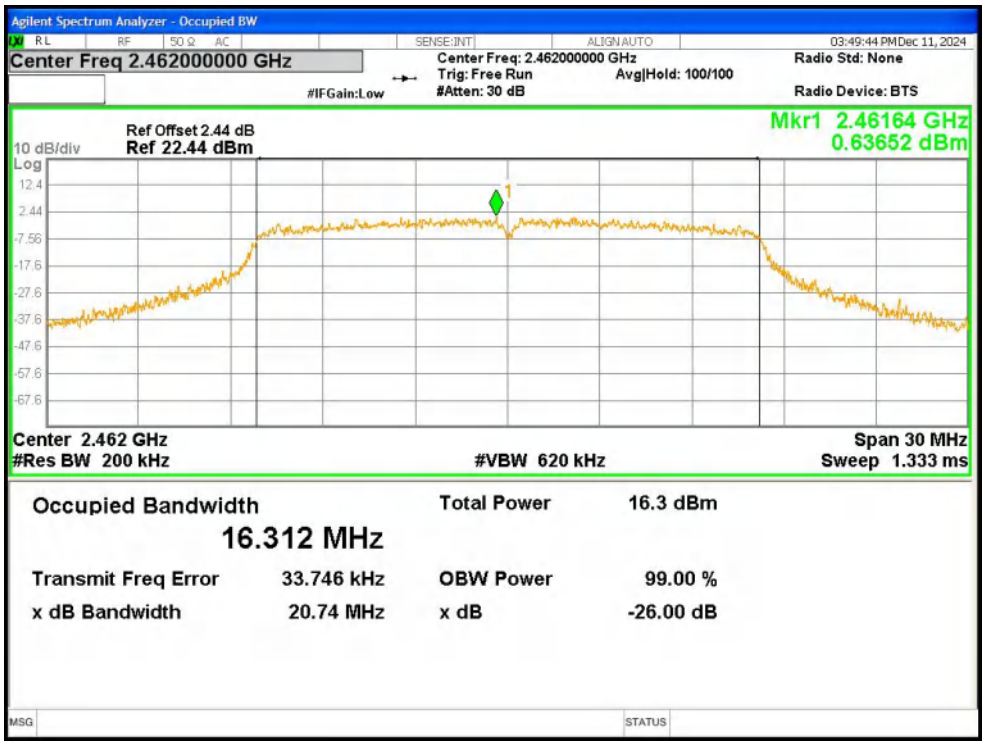
OBW NVNT b 2462MHz Ant1



OBW NVNT g 2412MHz Ant1



OBW NVNT g 2437MHz Ant1



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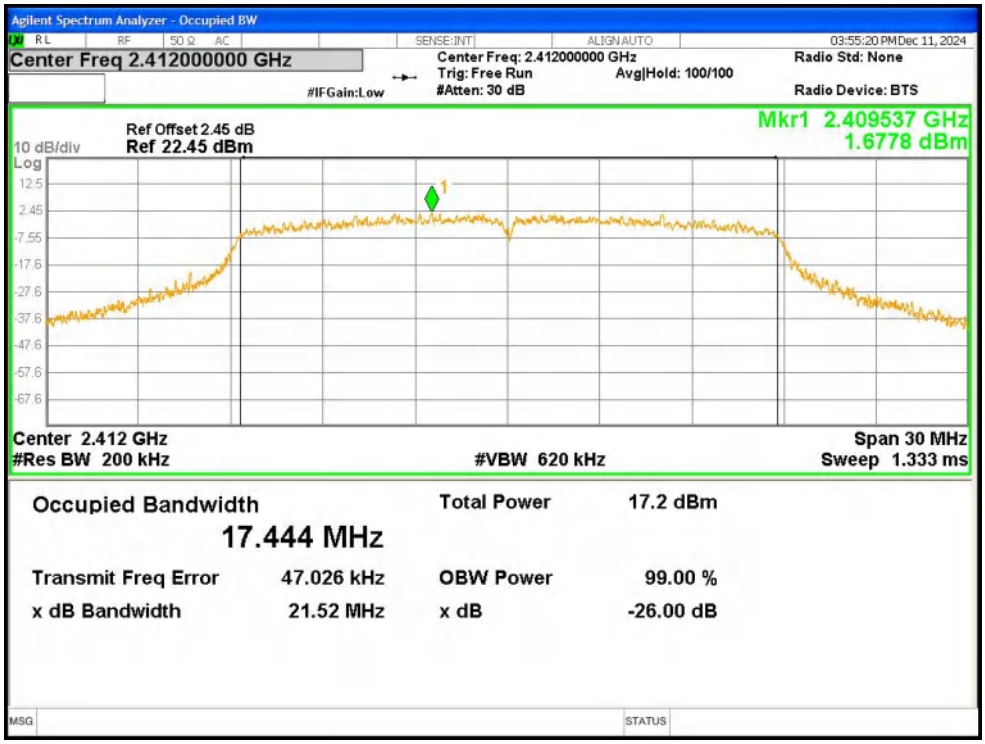
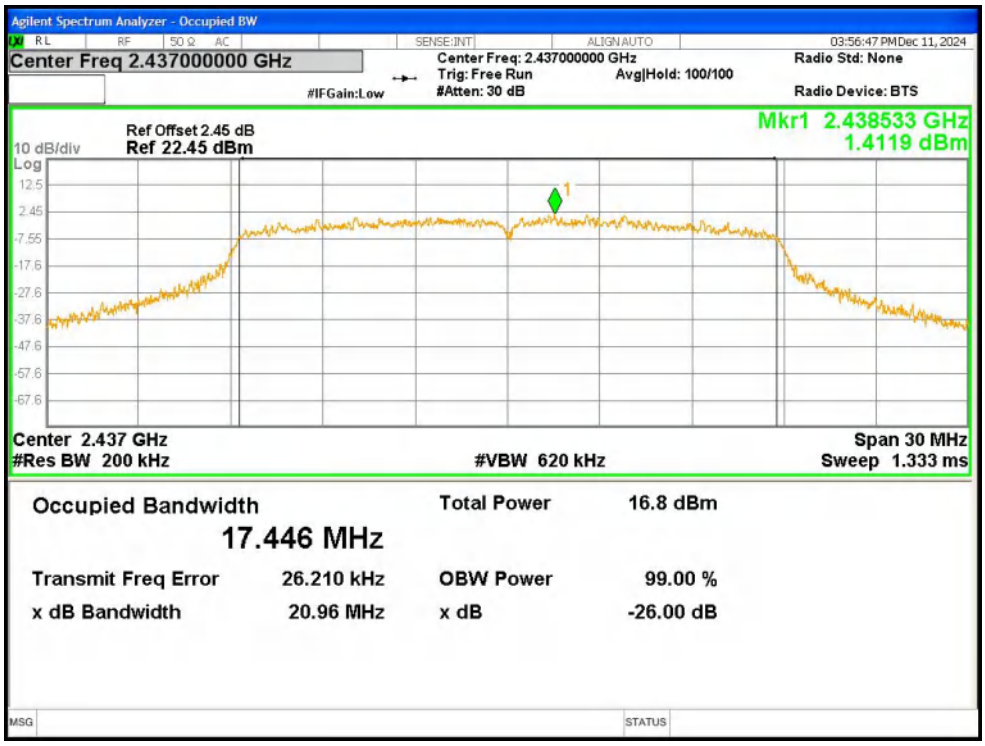
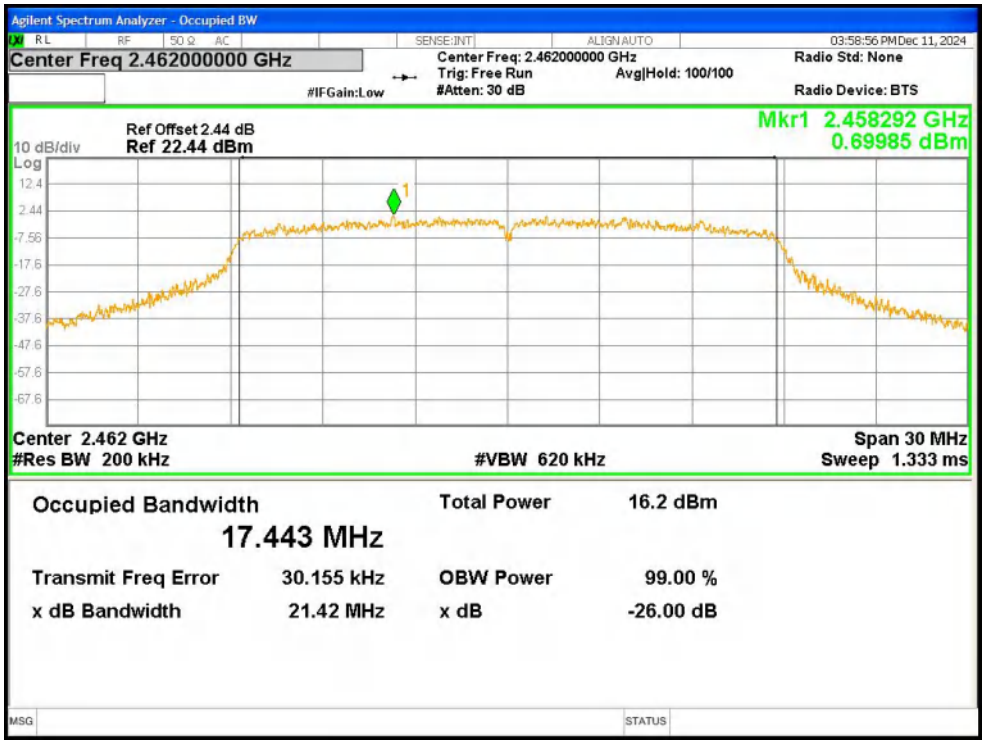


OBW NVNT n20 2412MHz Ant1



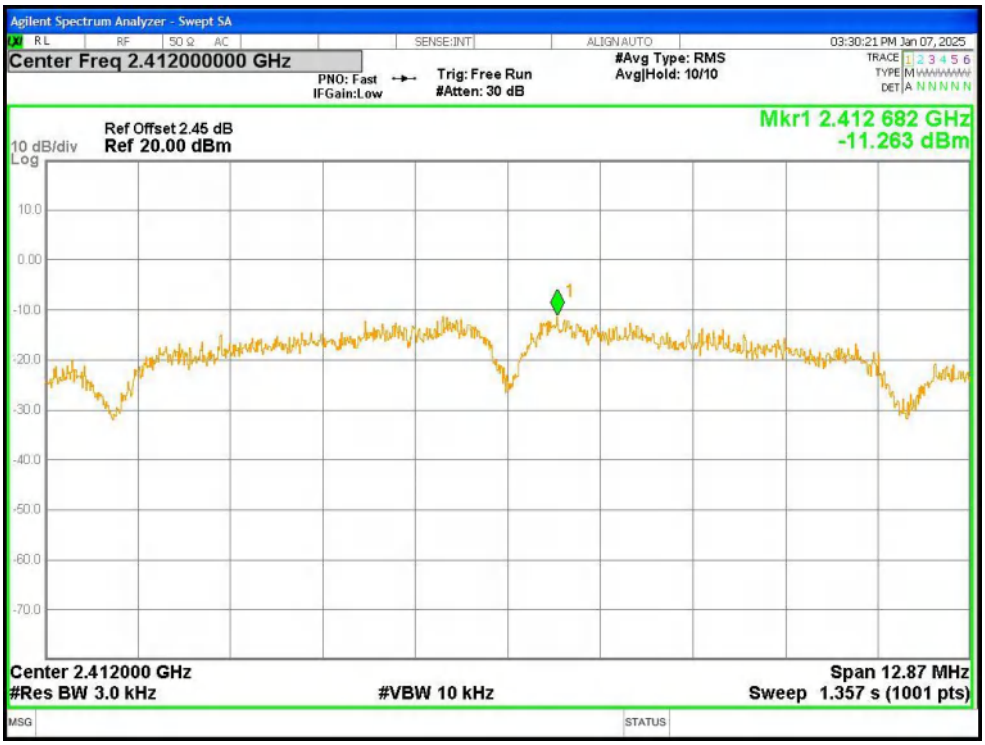
OBW NVNT n20 2437MHz Ant1



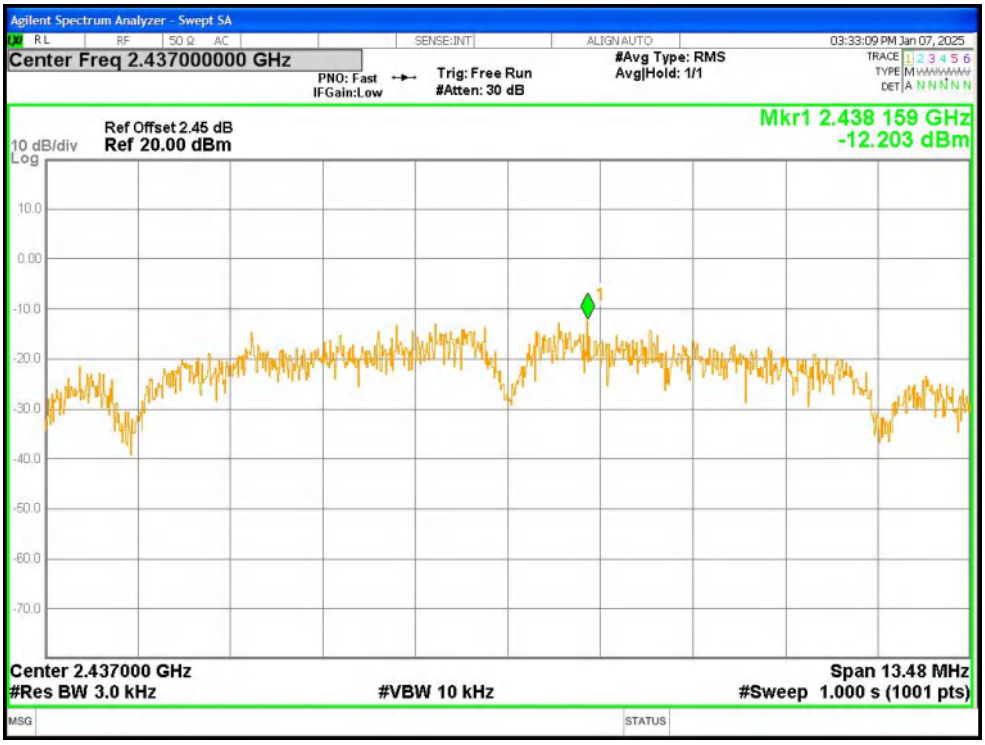
OBW NVNT n20 2462MHz Ant1

5. Maximum Power Spectral Density Level

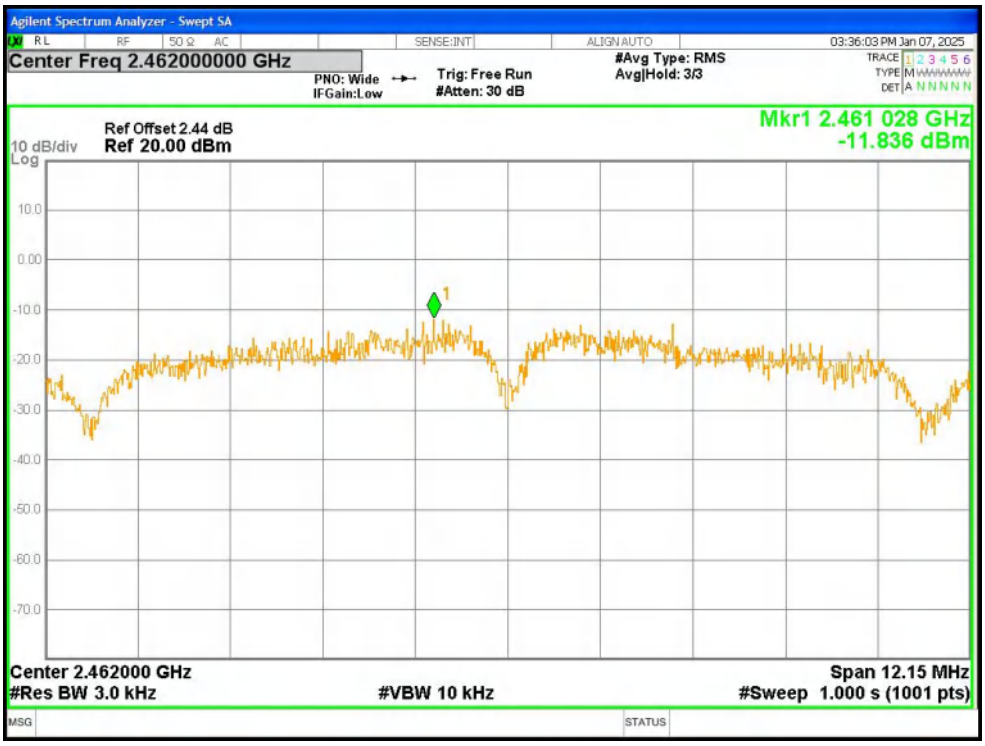
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-11.26	0	-11.26	8	Pass
NVNT	b	2437	Ant1	-12.2	0	-12.2	8	Pass
NVNT	b	2462	Ant1	-11.84	0	-11.84	8	Pass
NVNT	g	2412	Ant1	-16.78	0.12	-16.66	8	Pass
NVNT	g	2437	Ant1	-17.14	0.12	-17.02	8	Pass
NVNT	g	2462	Ant1	-18.07	0.12	-17.95	8	Pass
NVNT	n20	2412	Ant1	-18.09	0.13	-17.96	8	Pass
NVNT	n20	2437	Ant1	-18.06	0.13	-17.93	8	Pass
NVNT	n20	2462	Ant1	-18.55	0.13	-18.42	8	Pass



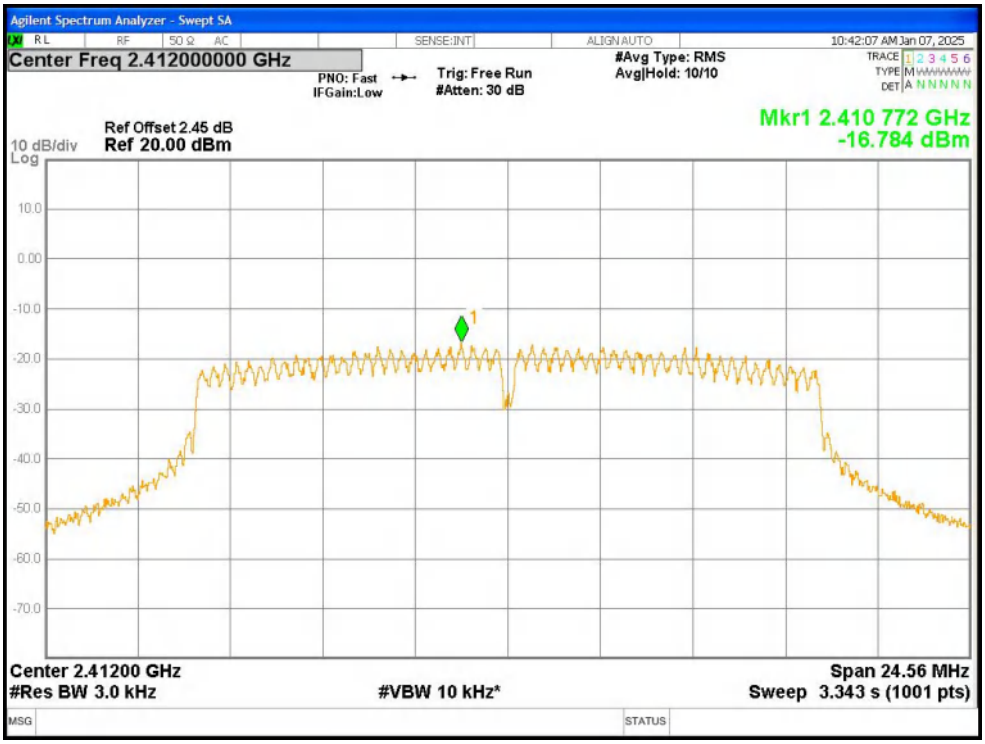
PSD NVNT b 2412MHz Ant1



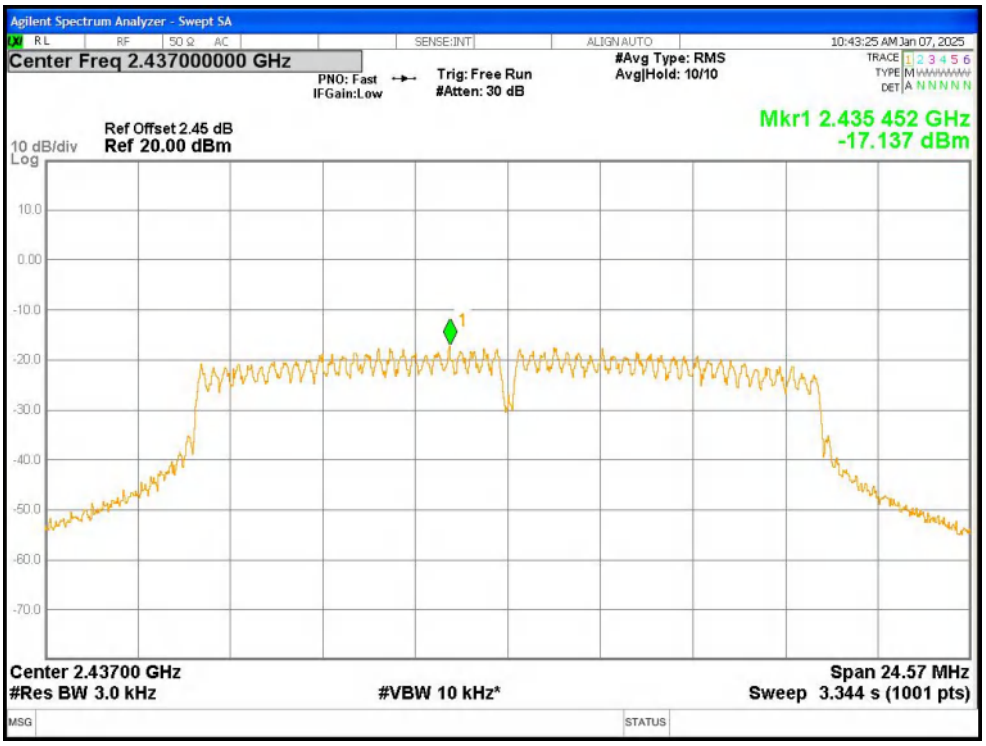
PSD NVNT b 2437MHz Ant1



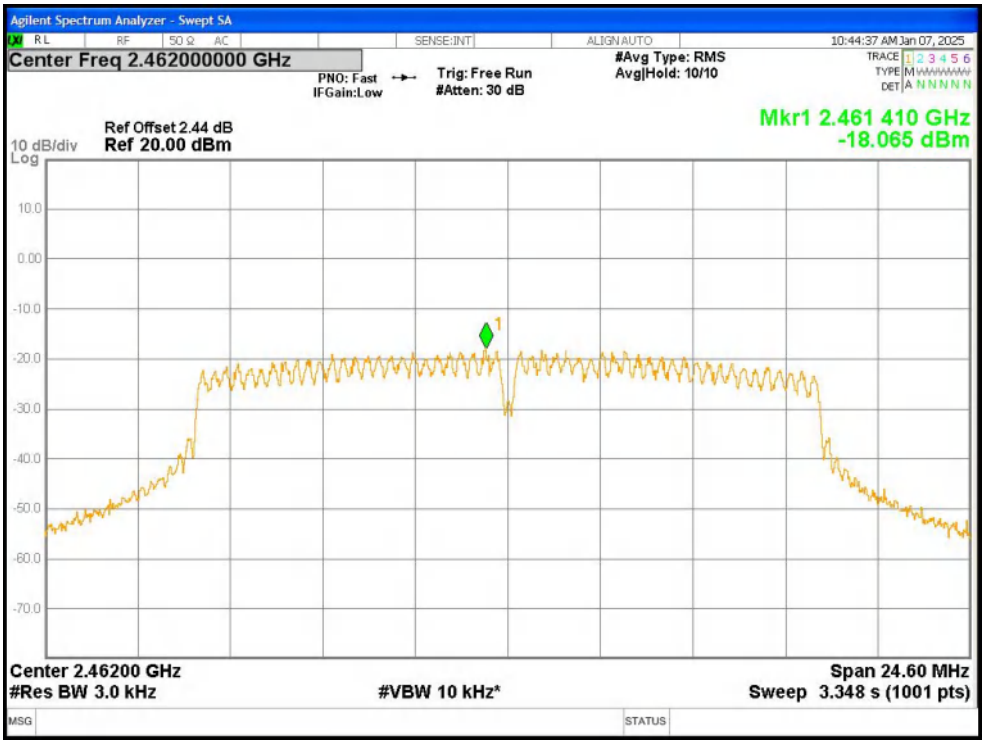
PSD NVNT b 2462MHz Ant1



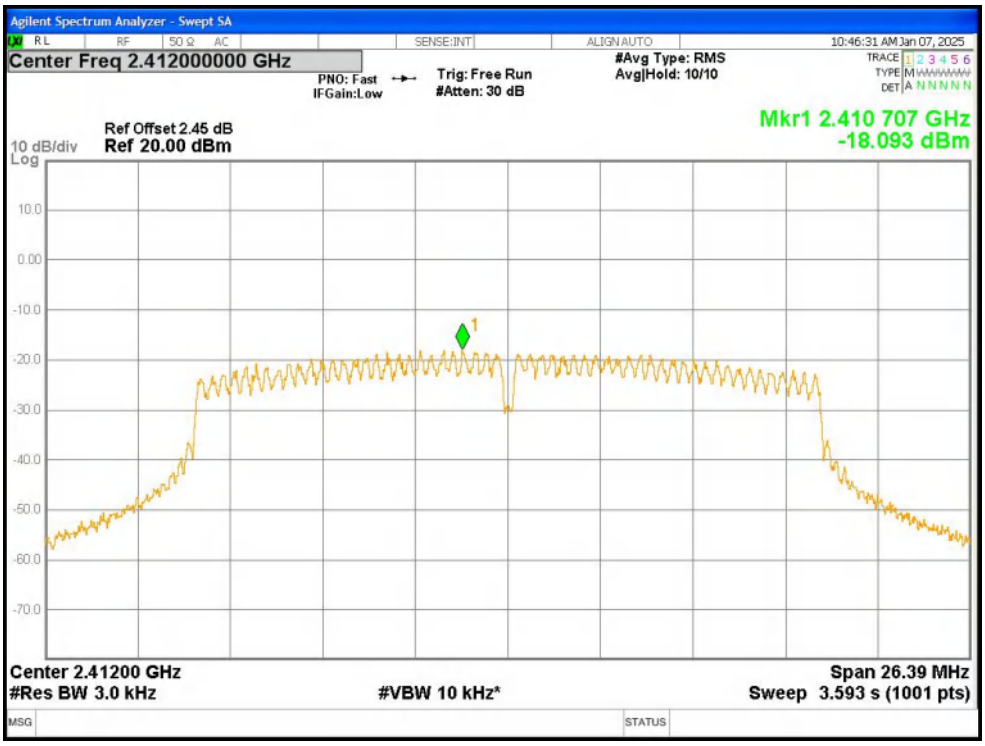
PSD NVNT g 2412MHz Ant1



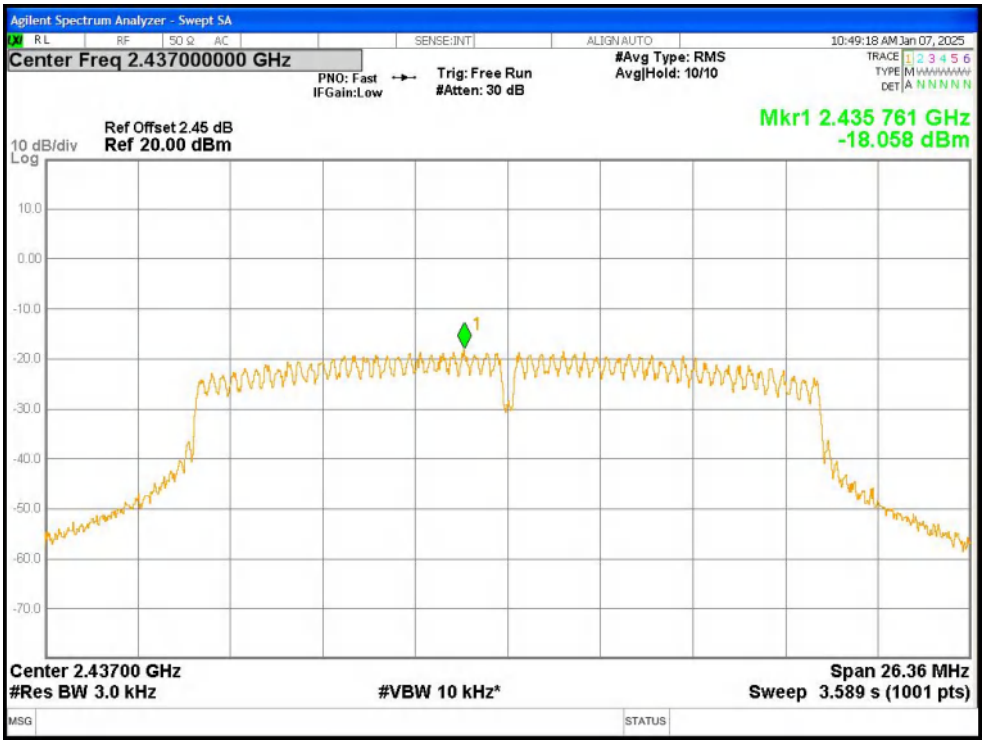
PSD NVNT g 2437MHz Ant1



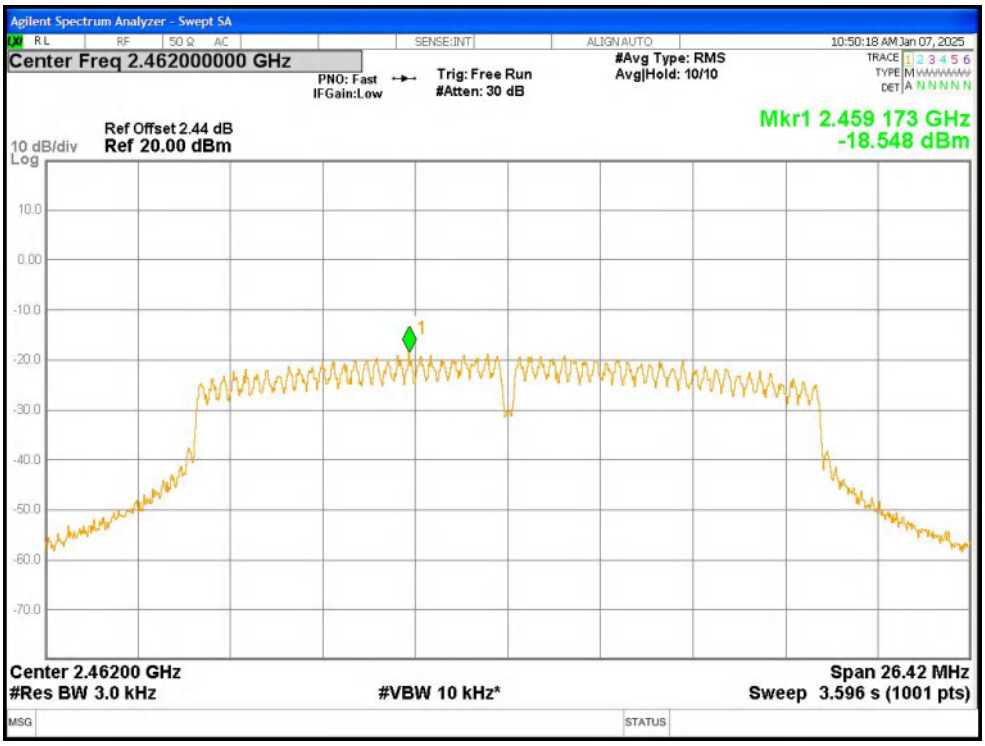
PSD NVNT g 2462MHz Ant1



PSD NVNT n20 2412MHz Ant1



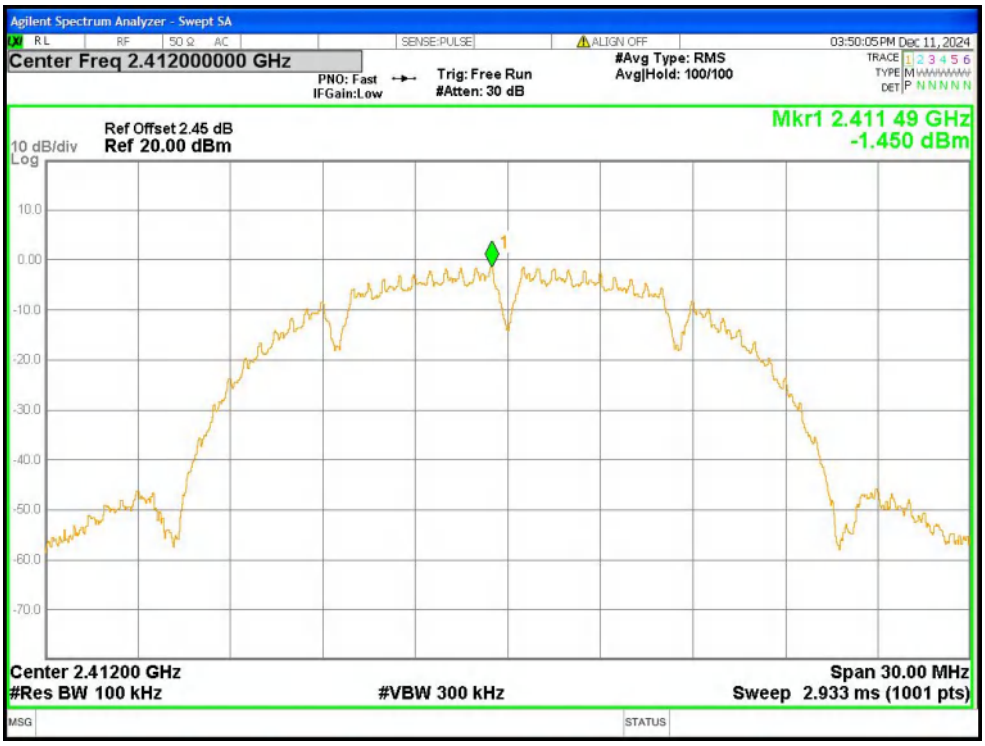
PSD NVNT n20 2437MHz Ant1



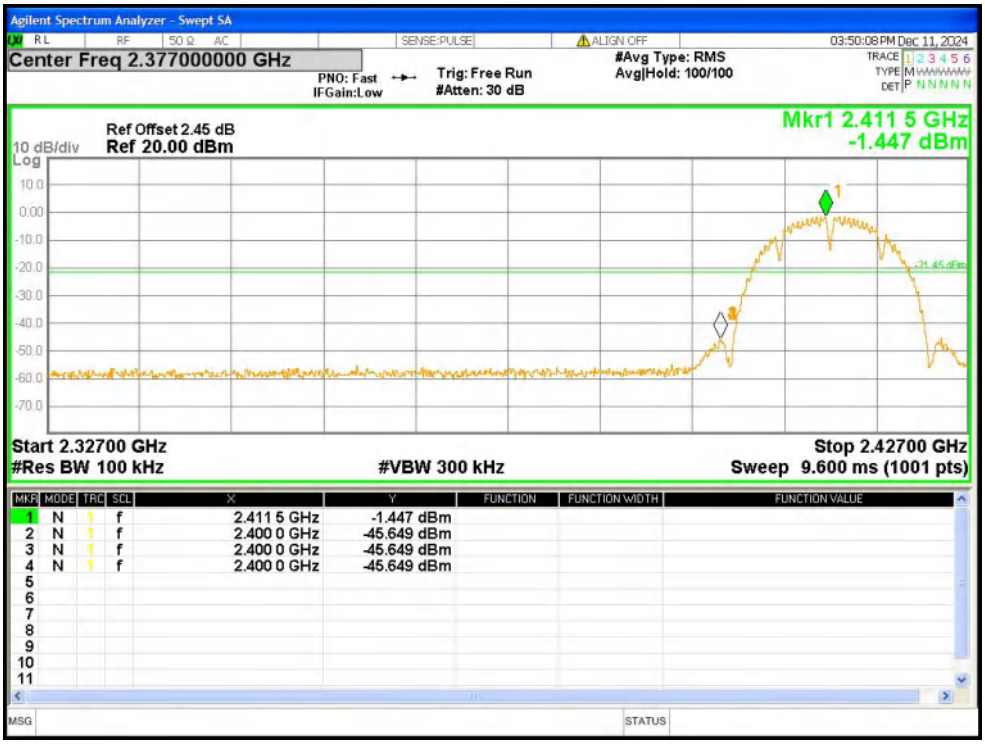
PSD NVNT n20 2462MHz Ant1

6. Band Edge

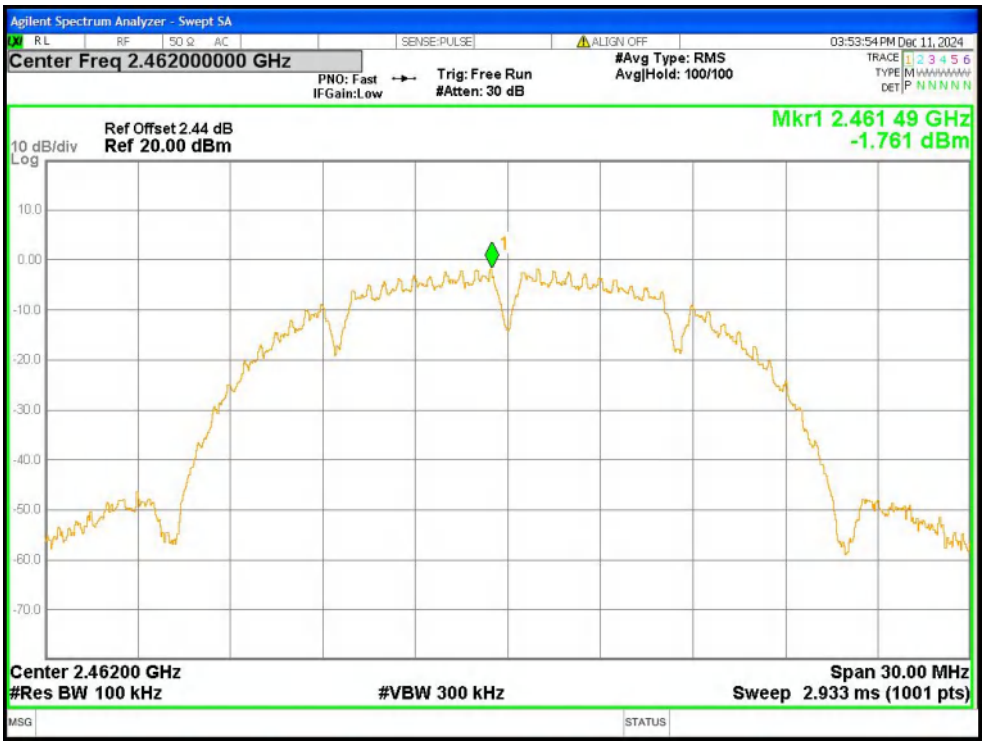
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-44.19	-20	Pass
NVNT	b	2462	Ant1	-54.84	-20	Pass
NVNT	g	2412	Ant1	-38.01	-20	Pass
NVNT	g	2462	Ant1	-48.62	-20	Pass
NVNT	n20	2412	Ant1	-36.13	-20	Pass
NVNT	n20	2462	Ant1	-49.39	-20	Pass
NVNT	n40	2422	Ant1	-27.2	-20	Pass
NVNT	n40	2452	Ant1	-29.39	-20	Pass



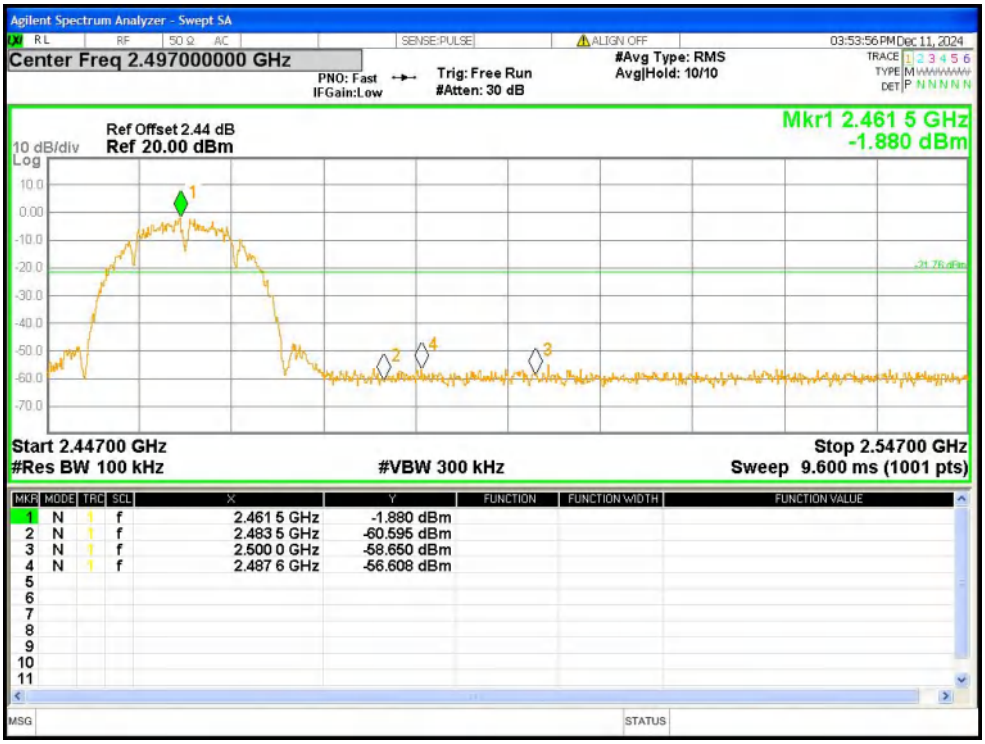
Band Edge NVNT b 2412MHz Ant1 Ref



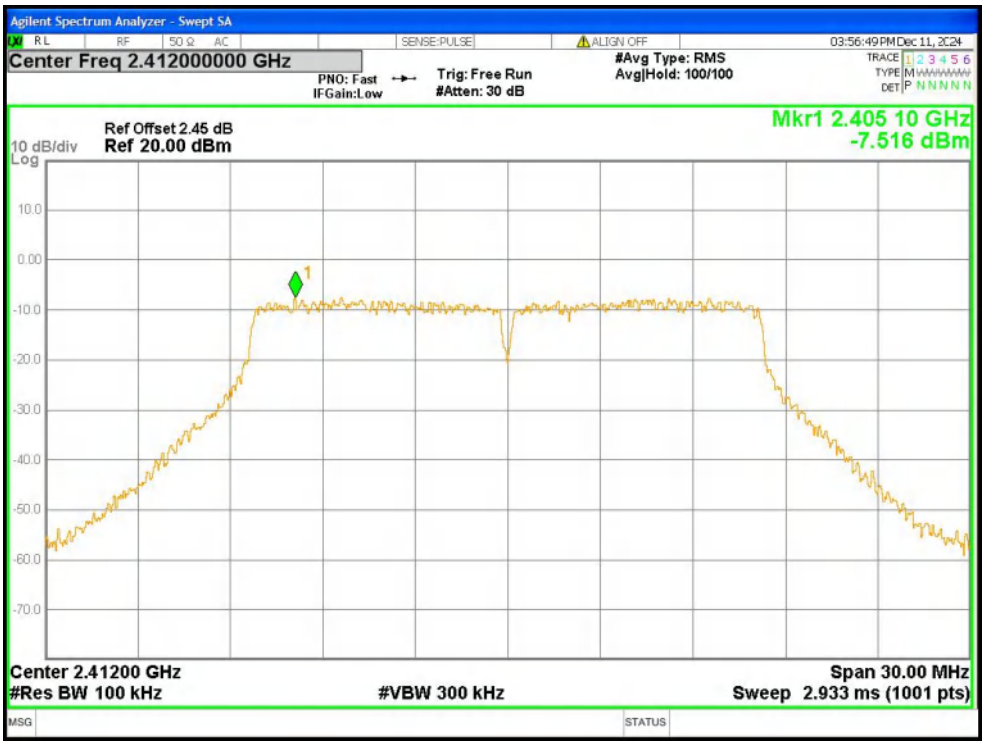
Band Edge NVNT b 2412MHz Ant1 Emission



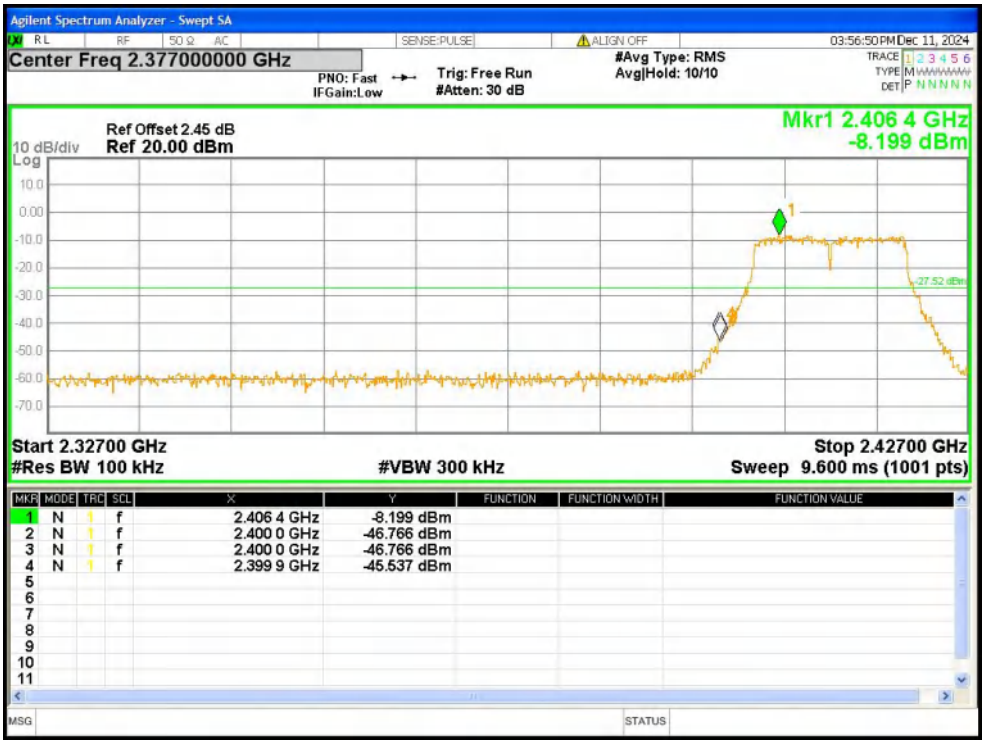
Band Edge NVNT b 2462MHz Ant1 Ref



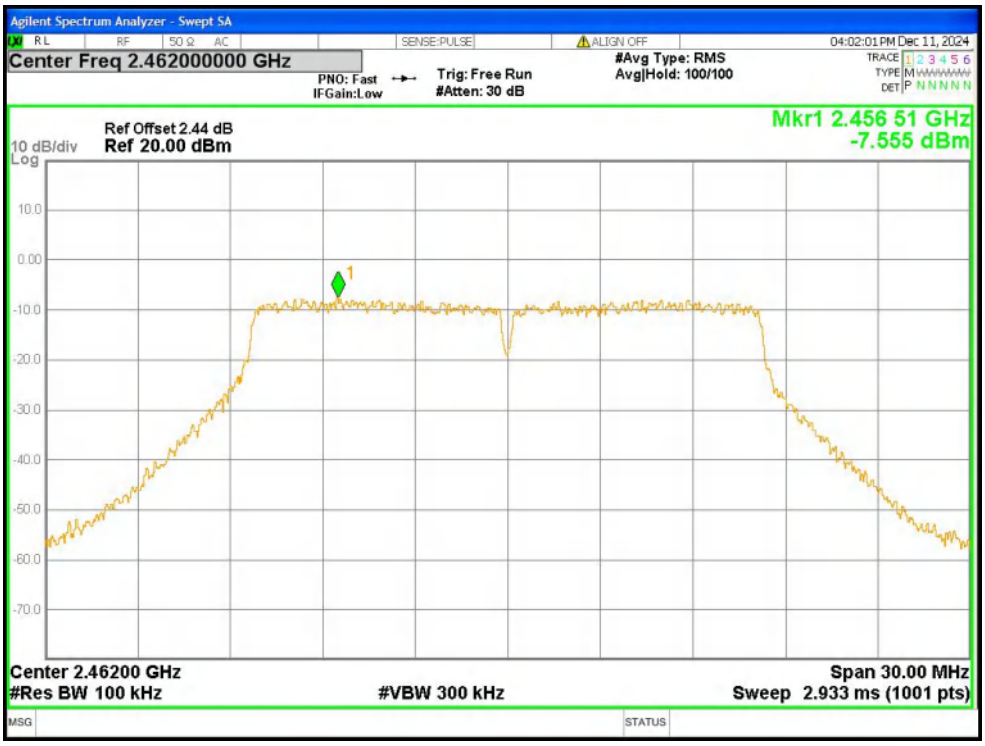
Band Edge NVNT b 2462MHz Ant1 Emission



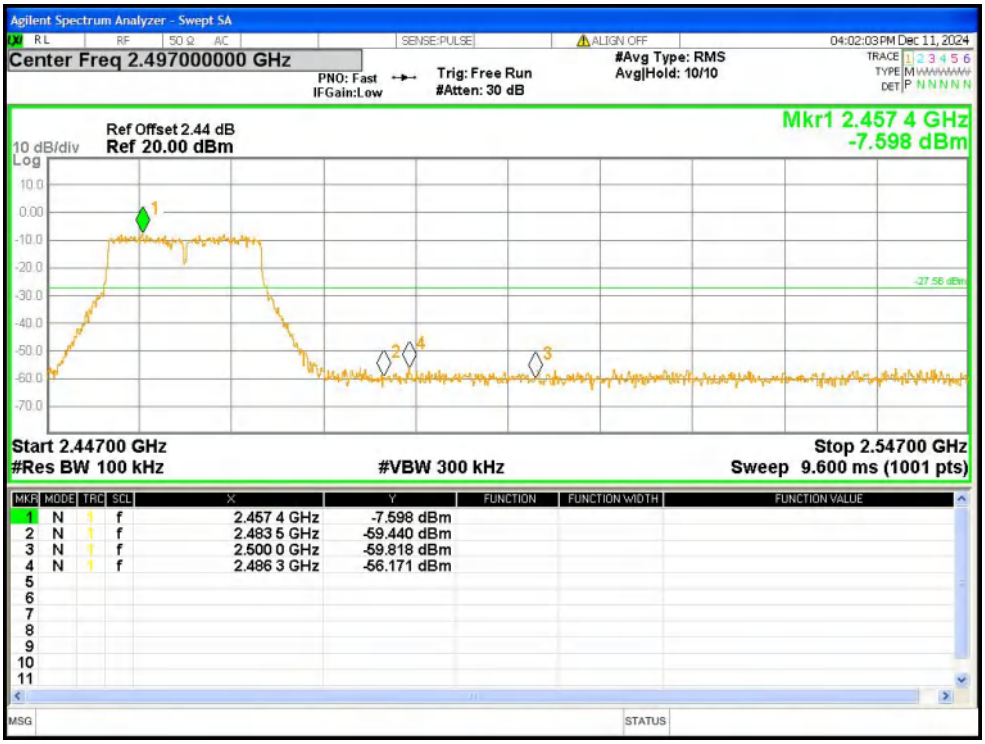
Band Edge NVNT g 2412MHz Ant1 Ref



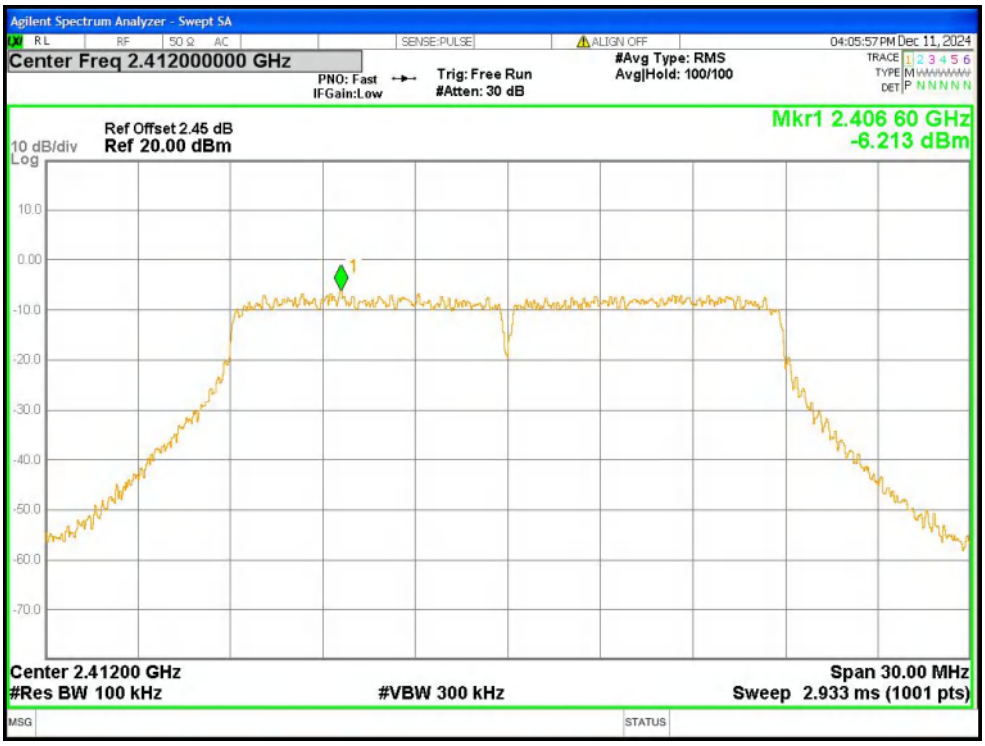
Band Edge NVNT g 2412MHz Ant1 Emission



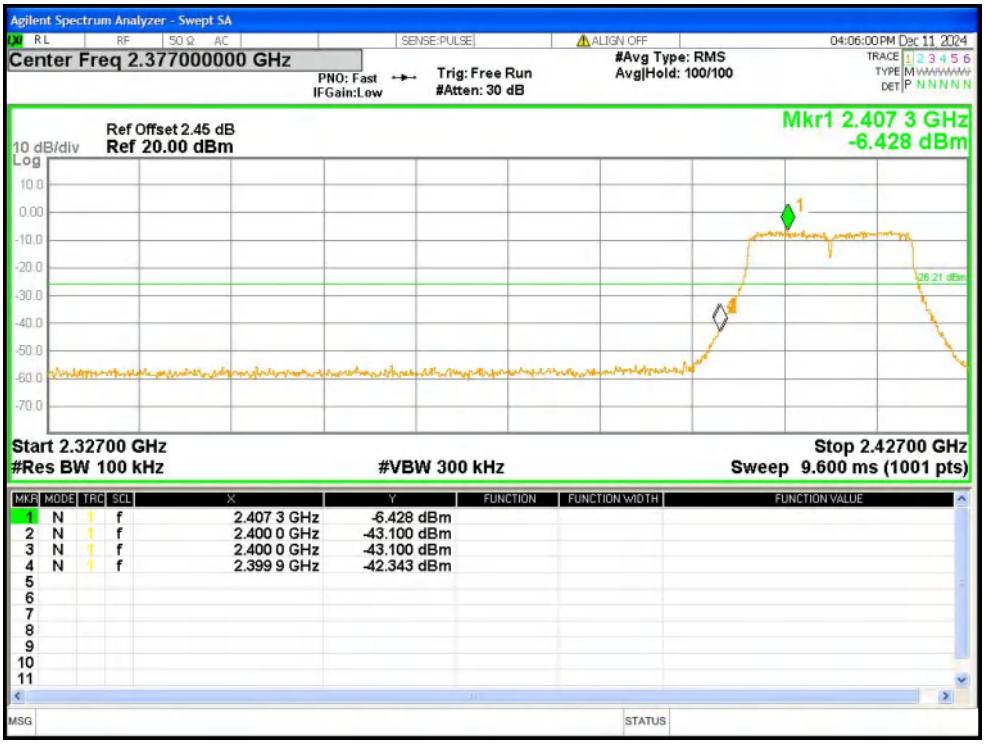
Band Edge NVNT g 2462MHz Ant1 Ref



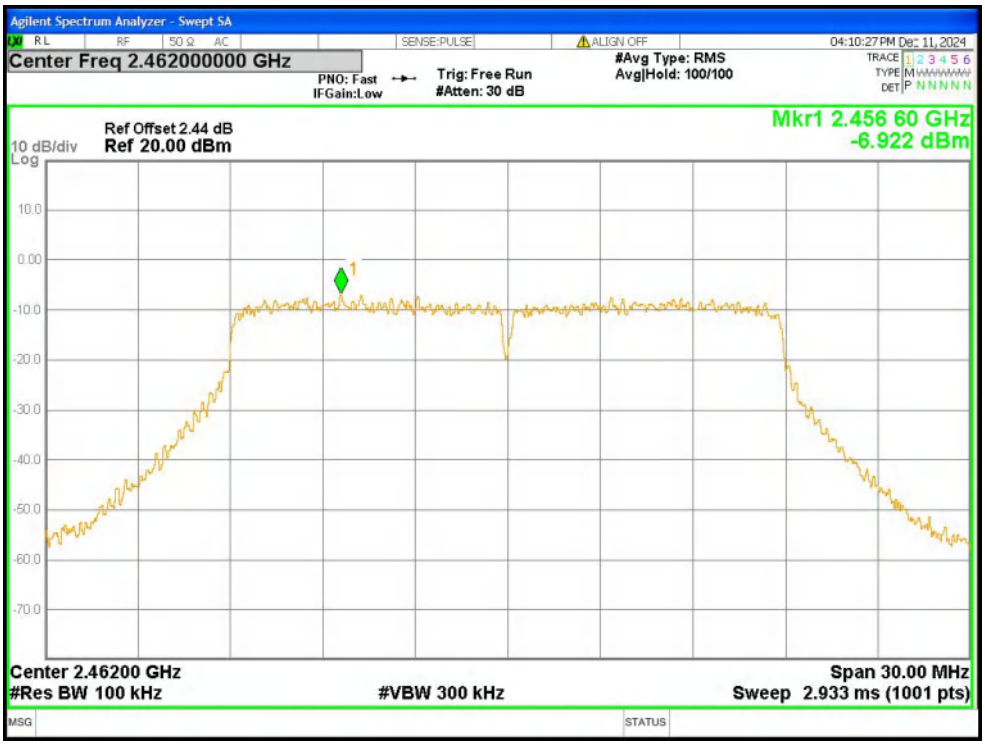
Band Edge NVNT g 2462MHz Ant1 Emission



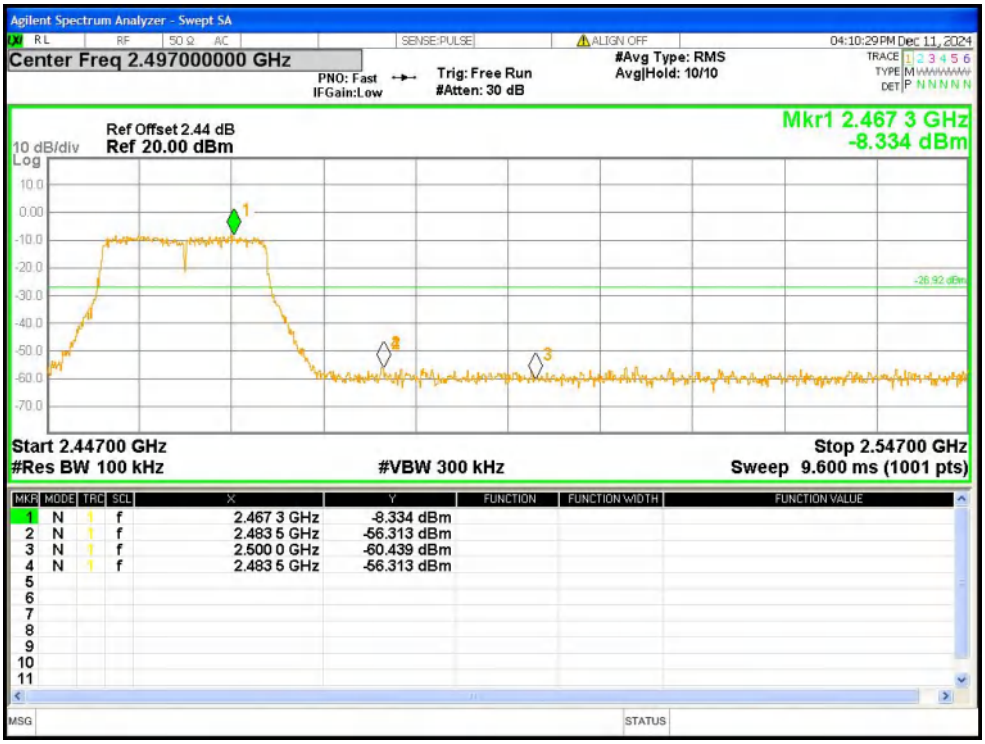
Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



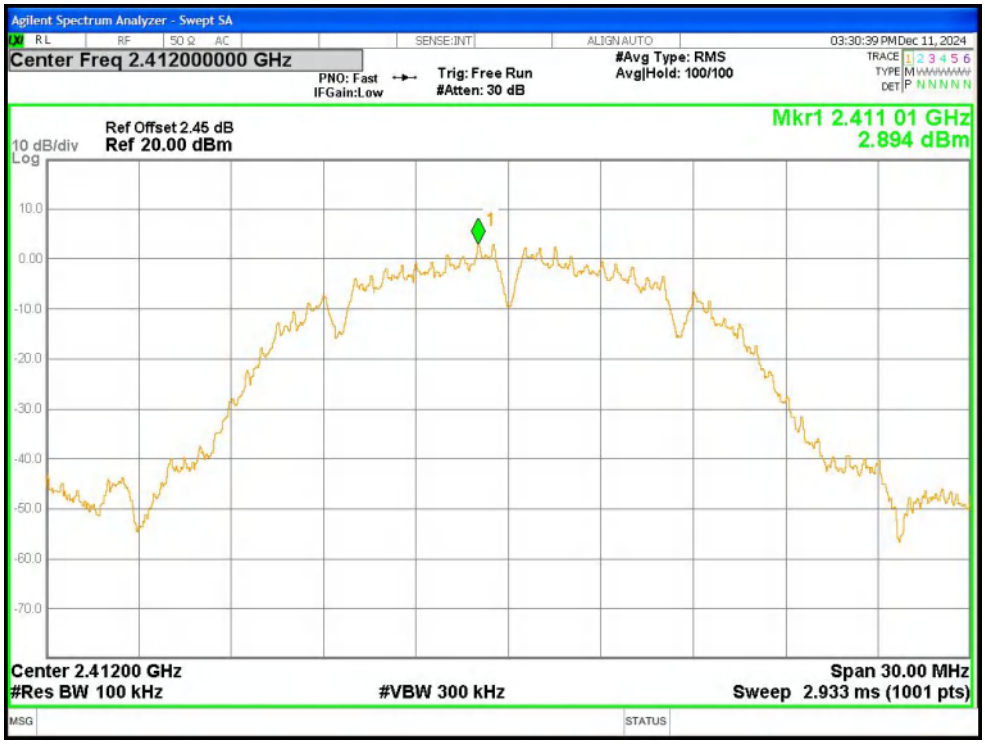
Band Edge NVNT n20 2462MHz Ant1 Ref



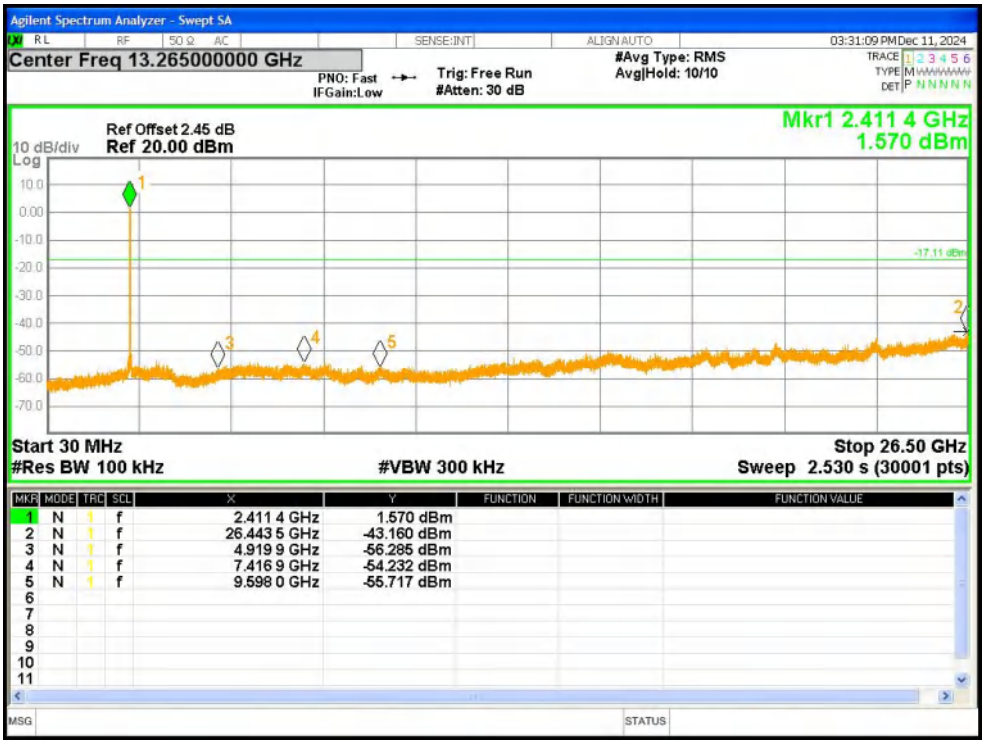
Band Edge NVNT n20 2462MHz Ant1 Emission

7. Conducted RF Spurious Emission

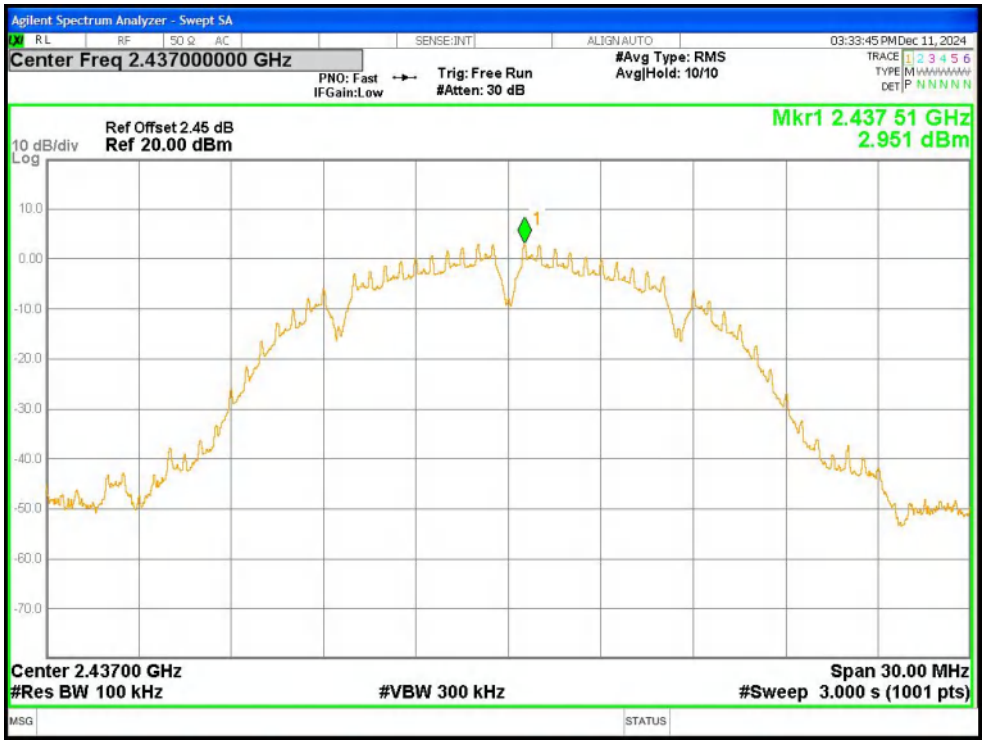
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-46.04	-20	Pass
NVNT	b	2437	Ant1	-47.6	-20	Pass
NVNT	b	2462	Ant1	-45.88	-20	Pass
NVNT	g	2412	Ant1	-43.93	-20	Pass
NVNT	g	2437	Ant1	-44.41	-20	Pass
NVNT	g	2462	Ant1	-43.84	-20	Pass
NVNT	n20	2412	Ant1	-44.81	-20	Pass
NVNT	n20	2437	Ant1	-44.13	-20	Pass
NVNT	n20	2462	Ant1	-44.39	-20	Pass



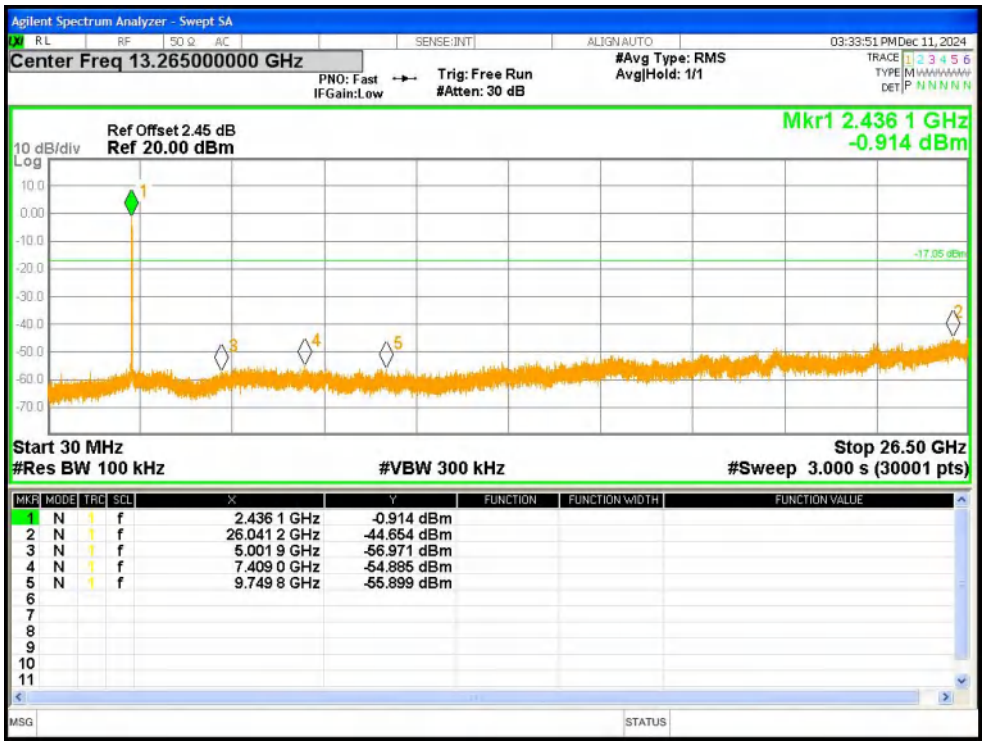
Tx. Spurious NVNT b 2412MHz Ant1 Ref



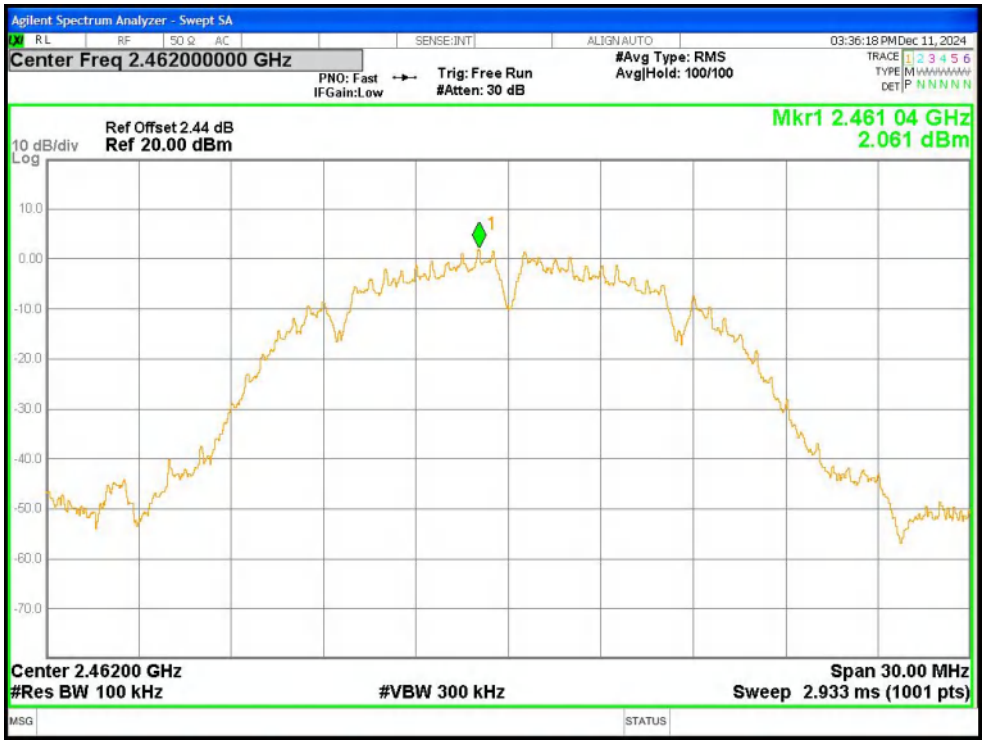
Tx. Spurious NVNT b 2412MHz Ant1 Emission



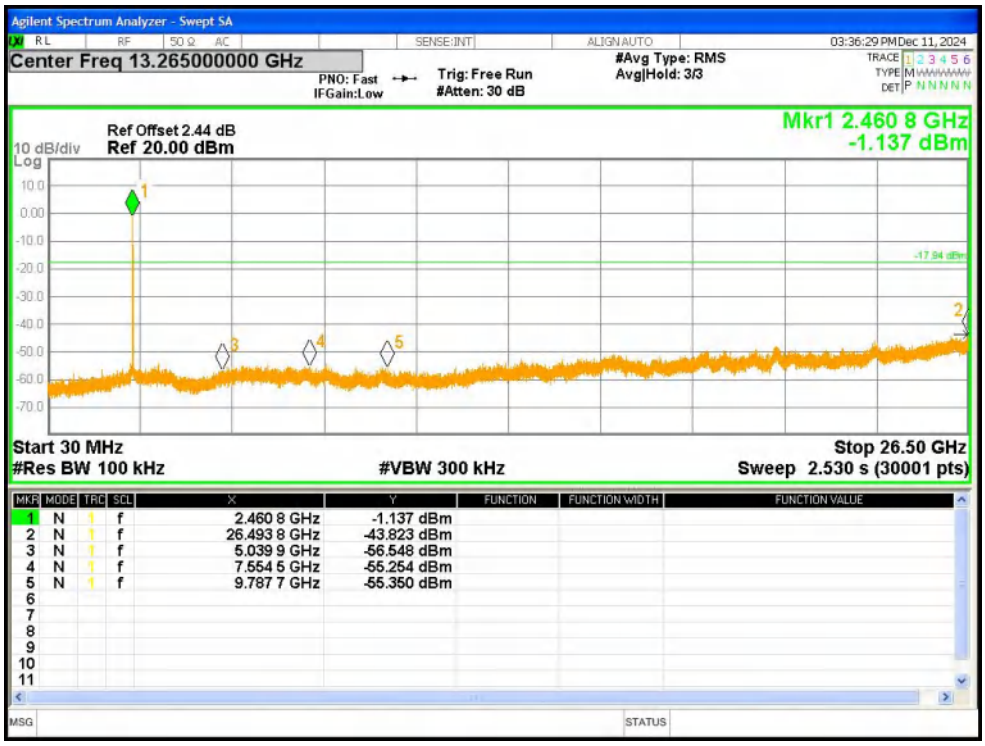
Tx. Spurious NVNT b 2437MHz Ant1 Ref



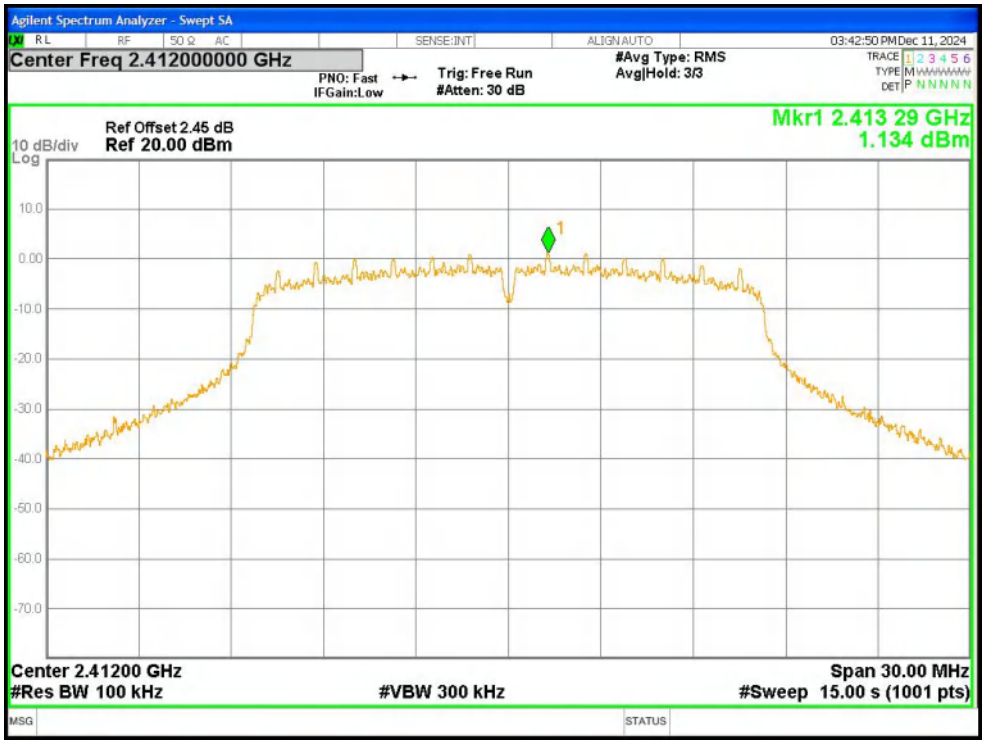
Tx. Spurious NVNT b 2437MHz Ant1 Emission



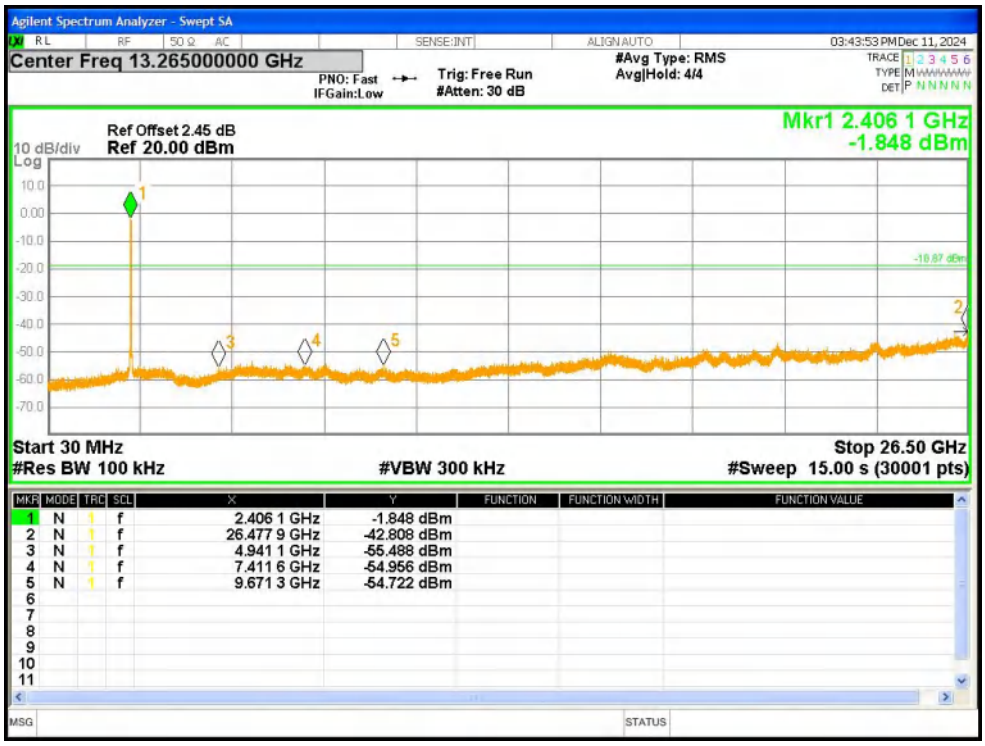
Tx. Spurious NVNT b 2462MHz Ant1 Ref



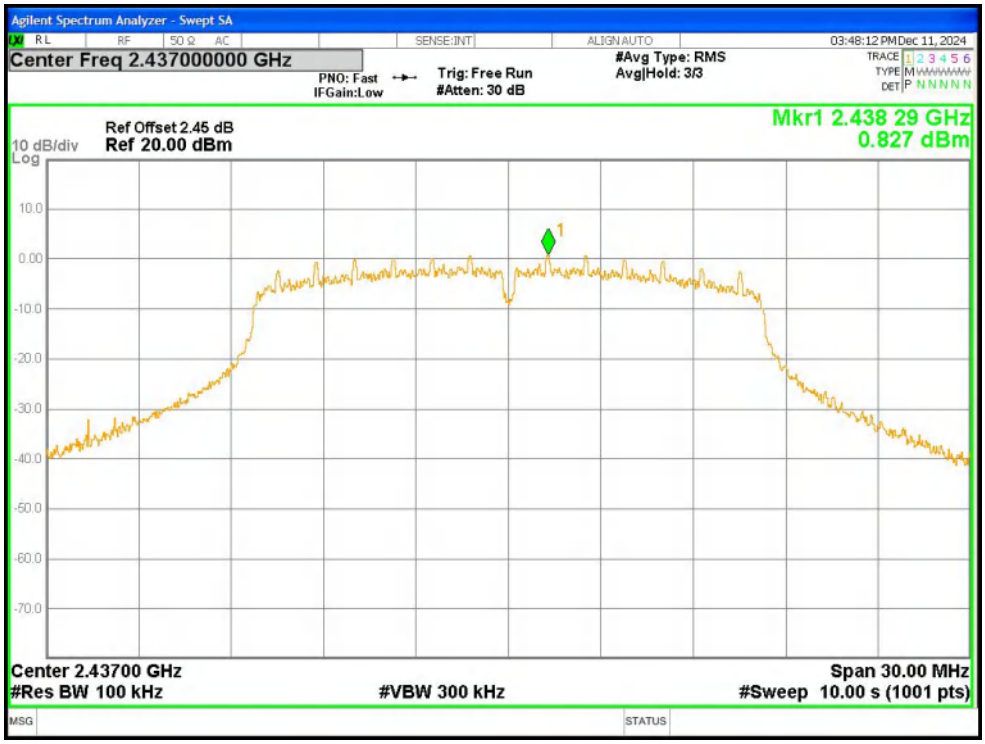
Tx. Spurious NVNT b 2462MHz Ant1 Emission



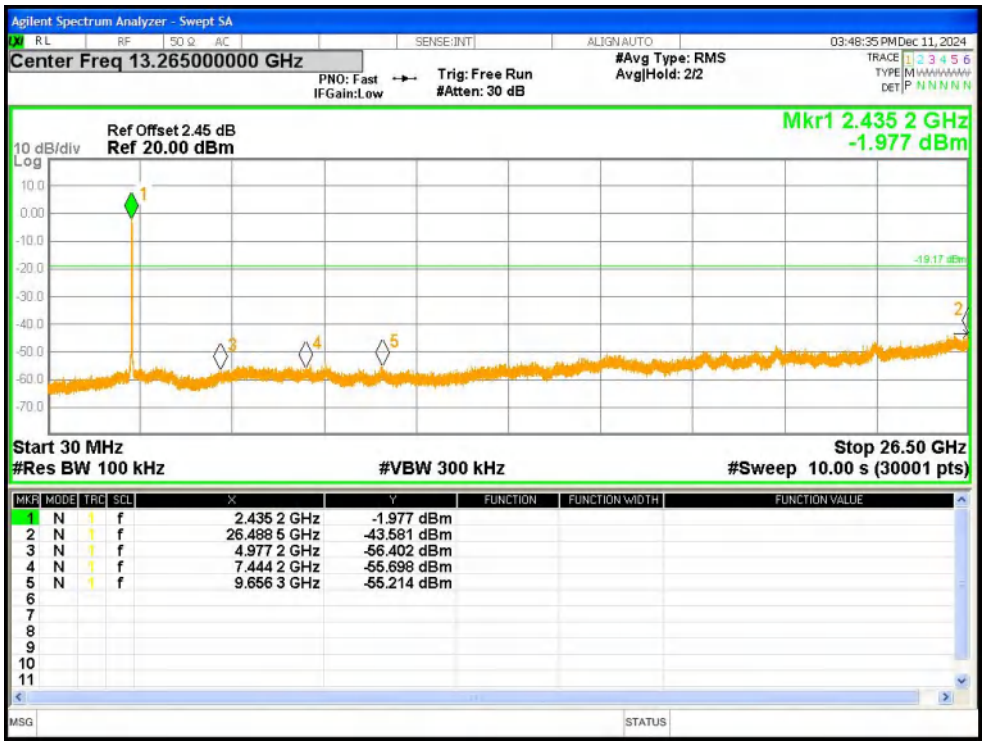
Tx. Spurious NVNT g 2412MHz Ant1 Ref



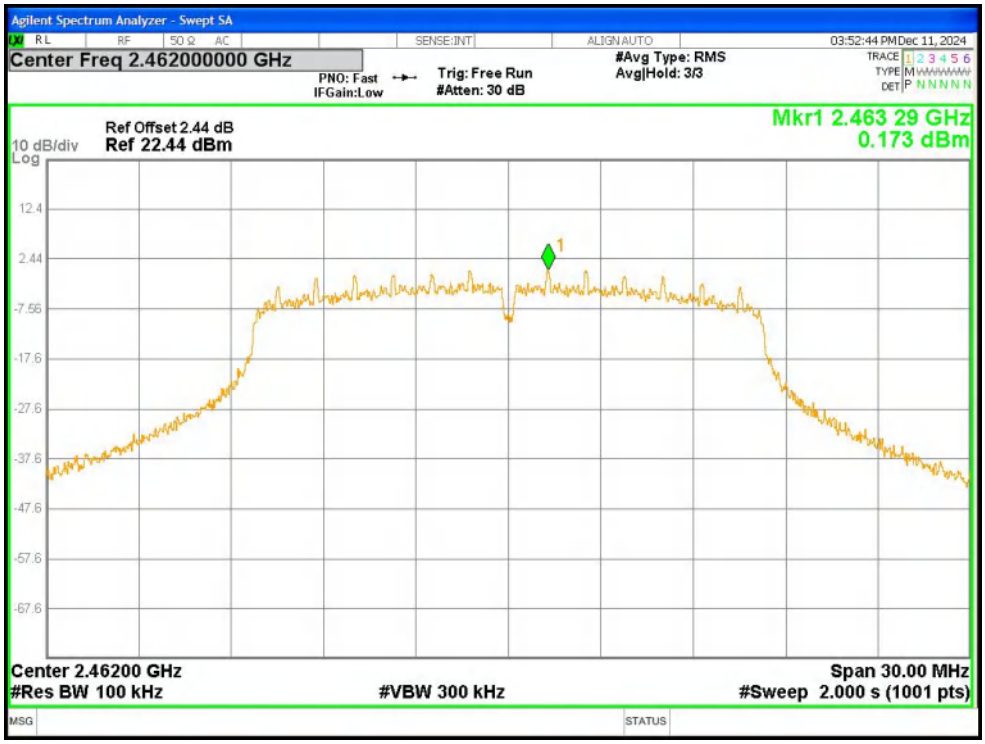
Tx. Spurious NVNT g 2412MHz Ant1 Emission



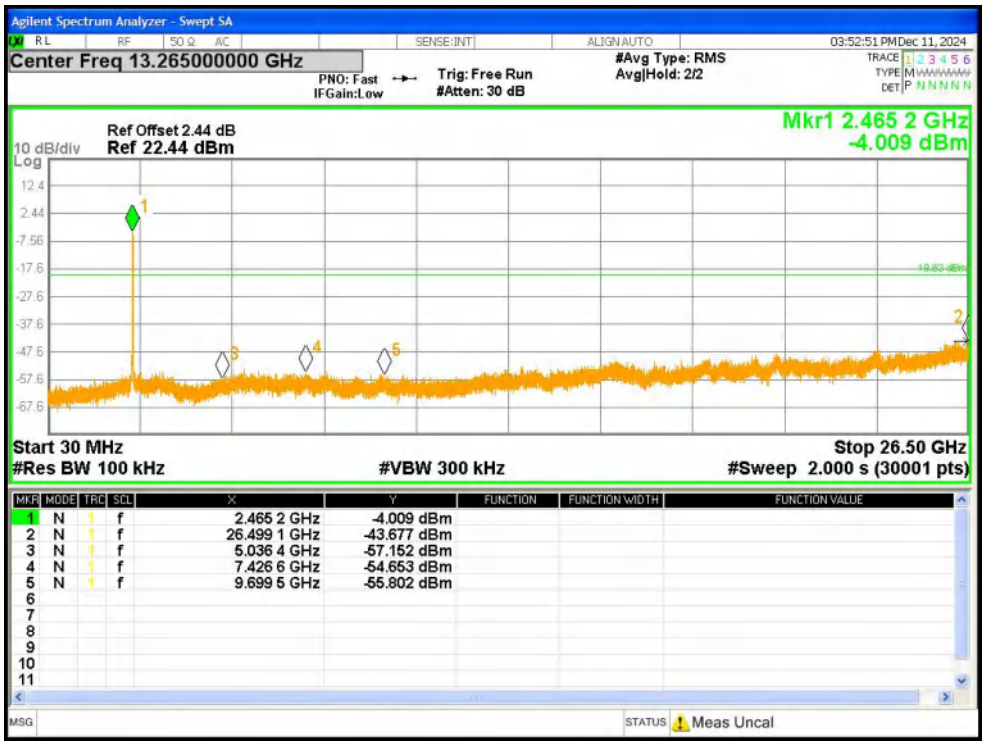
Tx. Spurious NVNT g 2437MHz Ant1 Ref



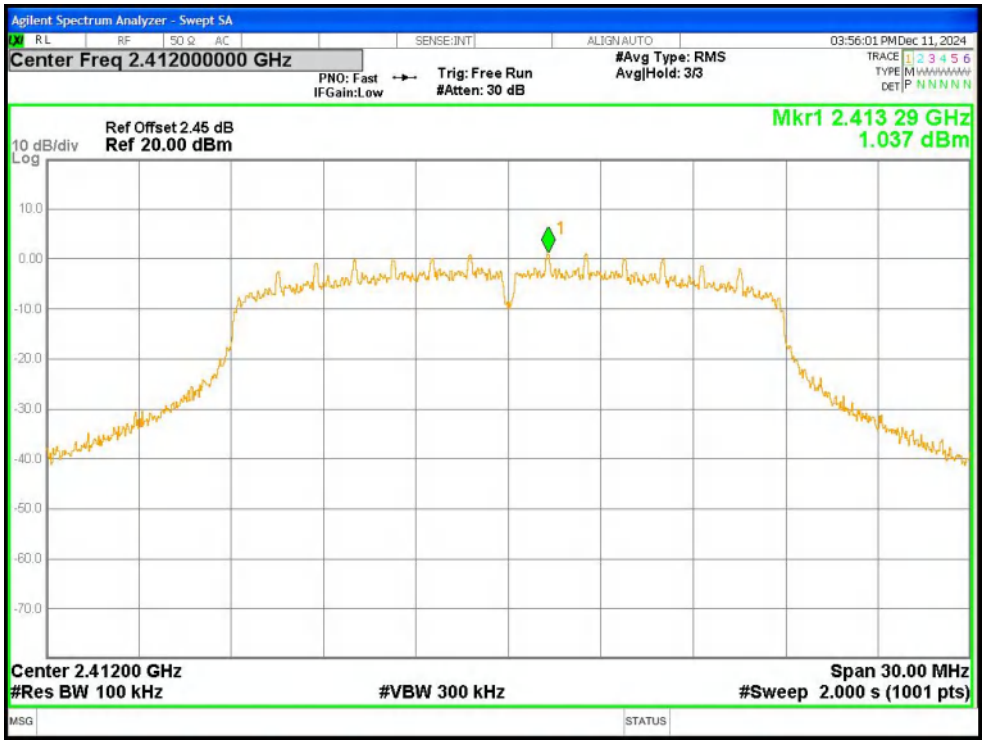
Tx. Spurious NVNT g 2437MHz Ant1 Emission



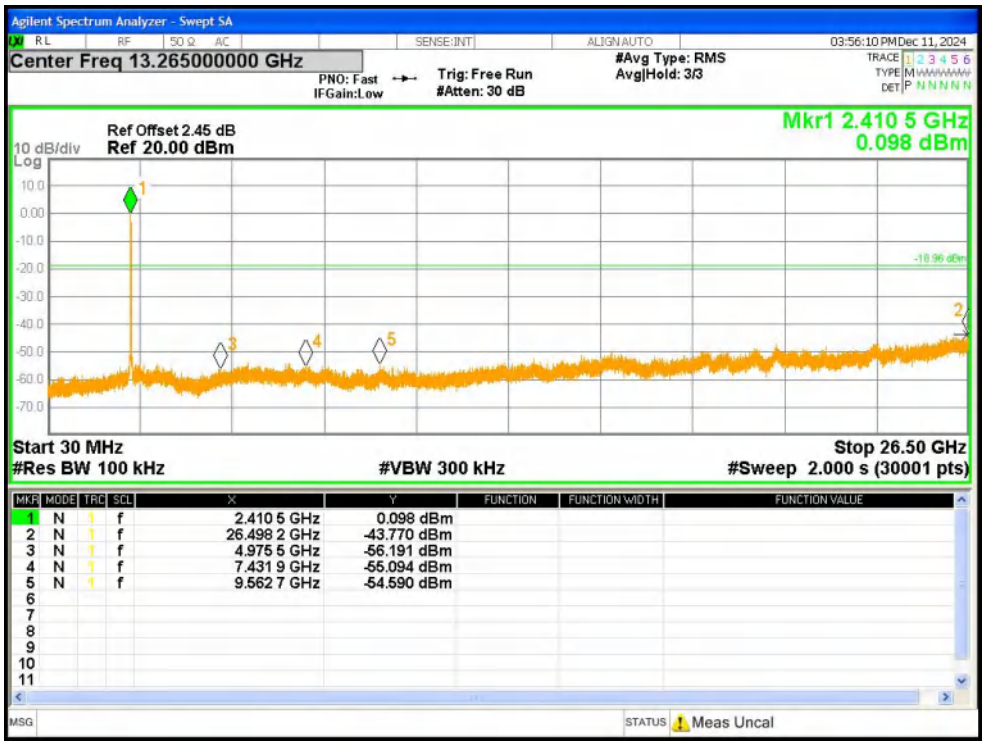
Tx. Spurious NVNT g 2462MHz Ant1 Ref



Tx. Spurious NVNT g 2462MHz Ant1 Emission



Tx. Spurious NVNT n20 2412MHz Ant1 Ref



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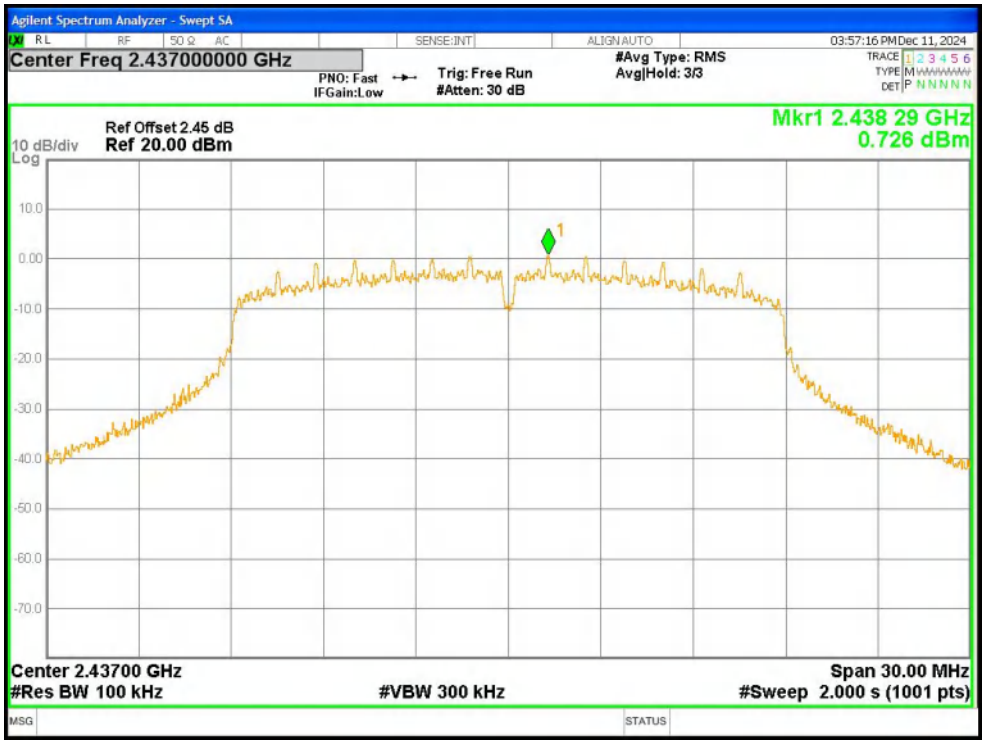
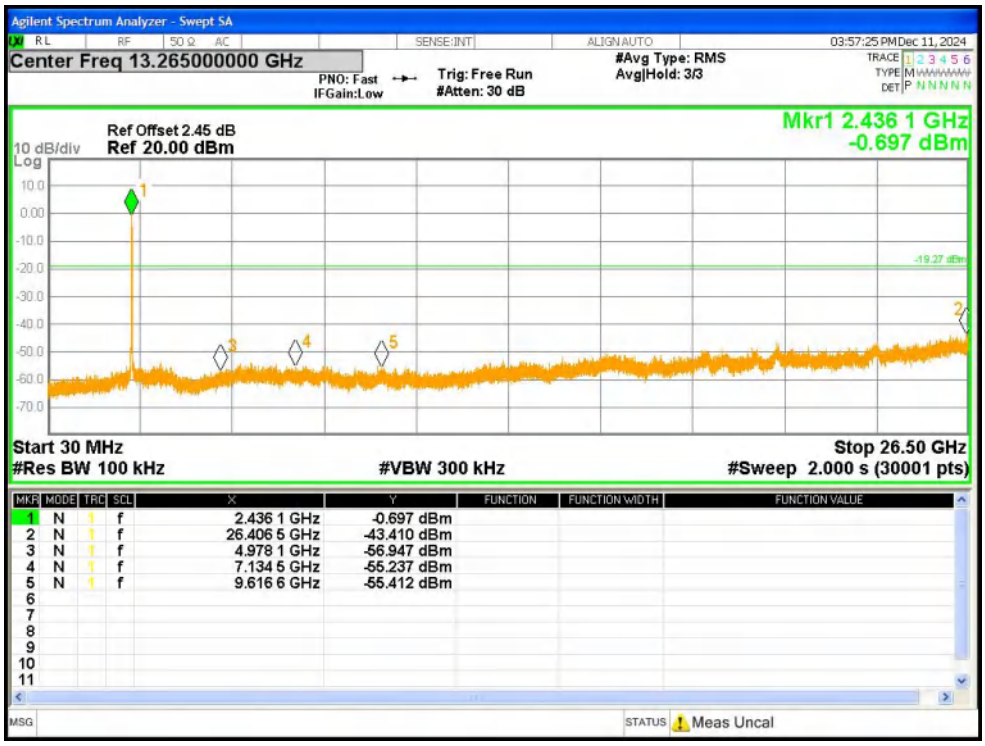
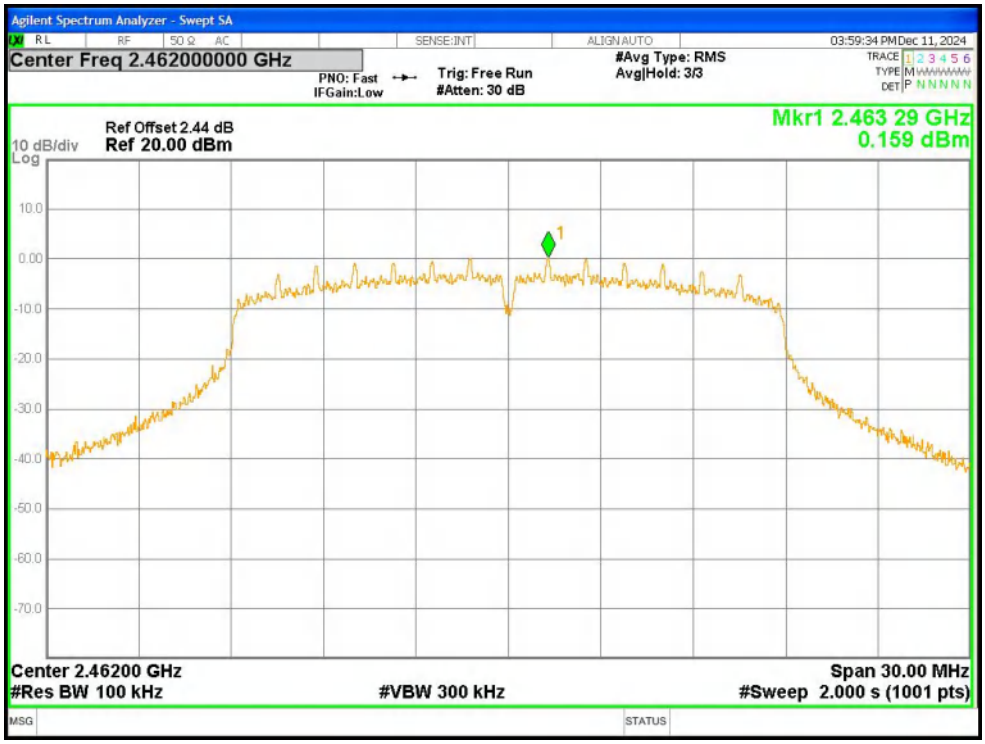


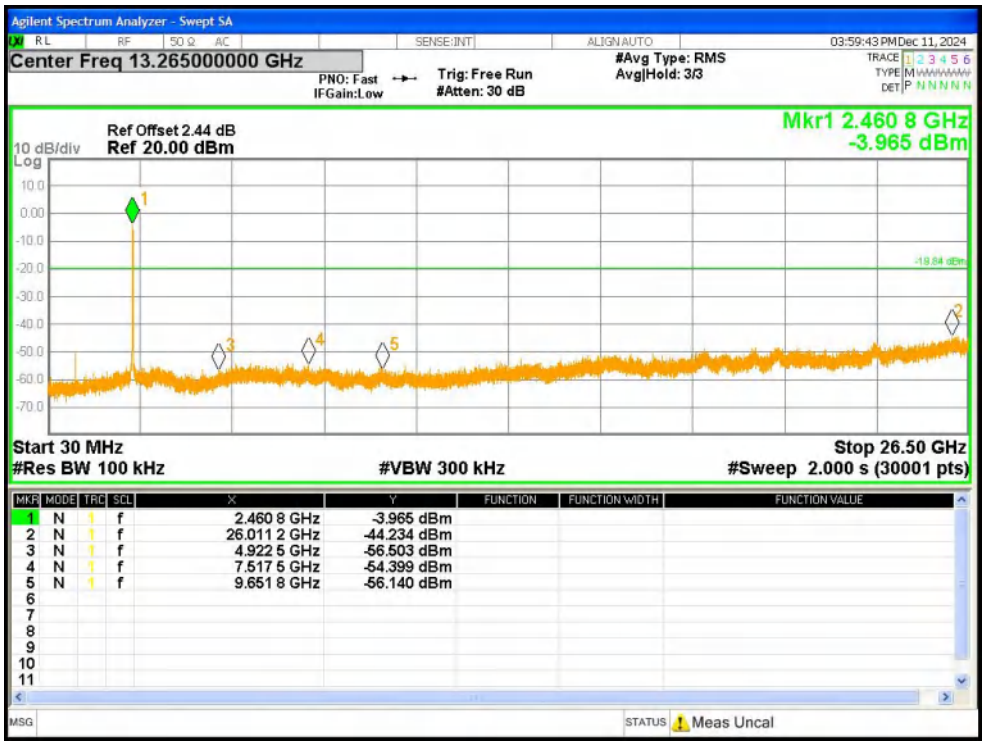
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Tx. Spurious NVNT n20 2462MHz Ant1 Emission