

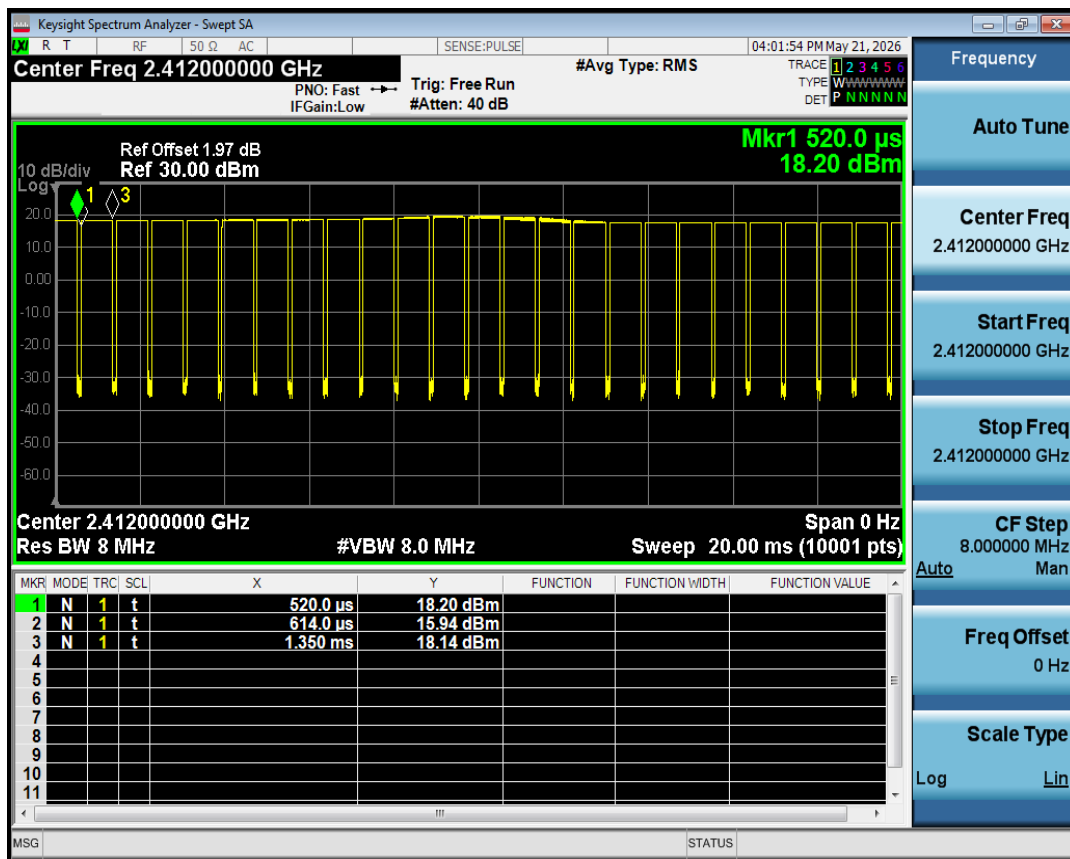
RF Test Data

FCC ID:2AZ4D-W8

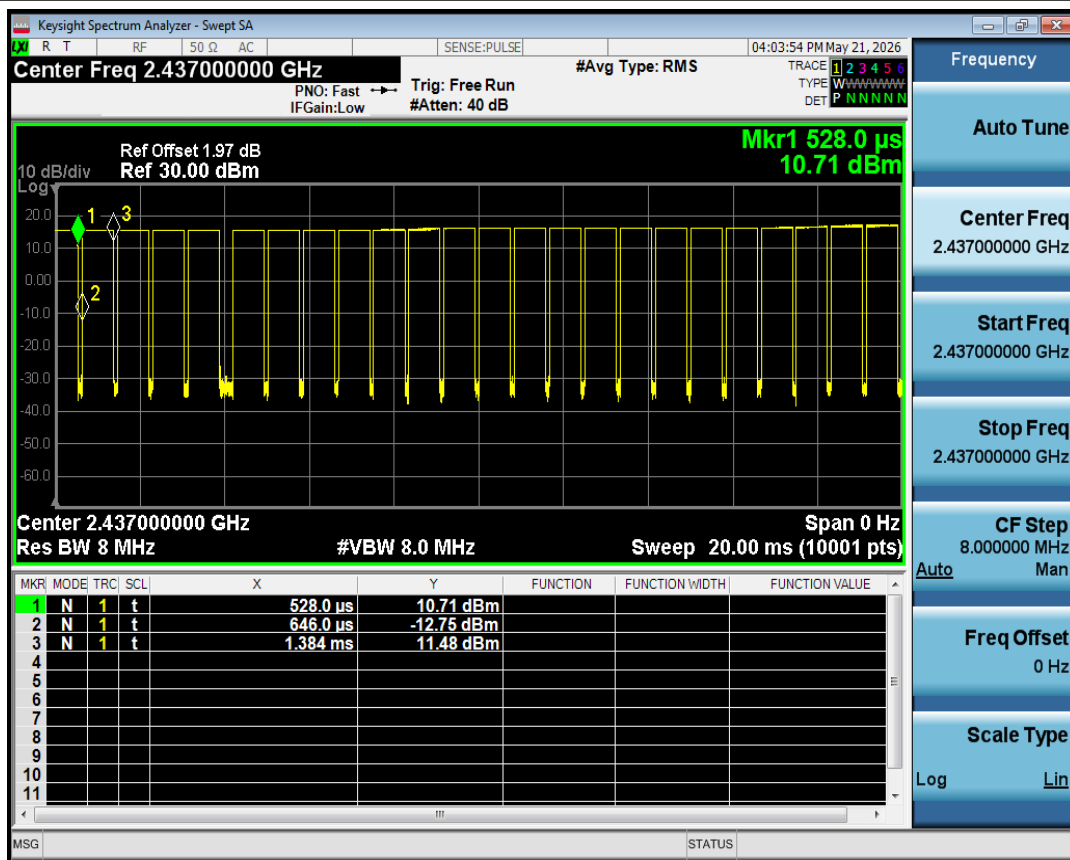
Duty Cycle	2
Maximum Average Conducted Output Power	8
-6dB Bandwidth	14
Occupied Channel Bandwidth	20
Maximum Power Spectral Density Level	26
Band Edge	32
Conducted RF Spurious Emission	39

Duty Cycle

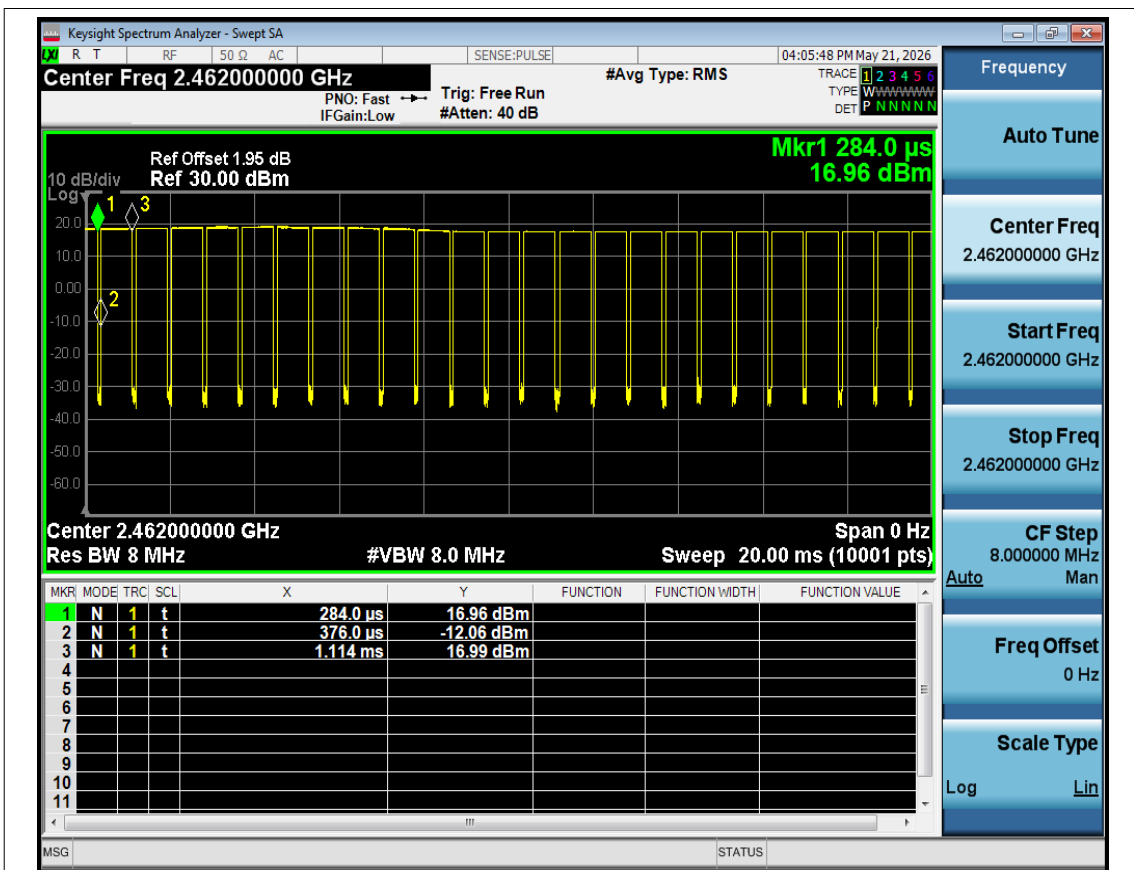
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	88.67	0.52	1.36
NVNT	b	2437	Ant1	86.21	0.64	1.36
NVNT	b	2462	Ant1	88.92	0.51	1.36
NVNT	g	2412	Ant1	56.31	2.49	8.62
NVNT	g	2437	Ant1	56.55	2.48	8.58
NVNT	g	2462	Ant1	56.55	2.48	8.58
NVNT	n20	2412	Ant1	56.59	2.47	8.62
NVNT	n20	2437	Ant1	56.34	2.49	8.66
NVNT	n20	2462	Ant1	56.23	2.5	8.7



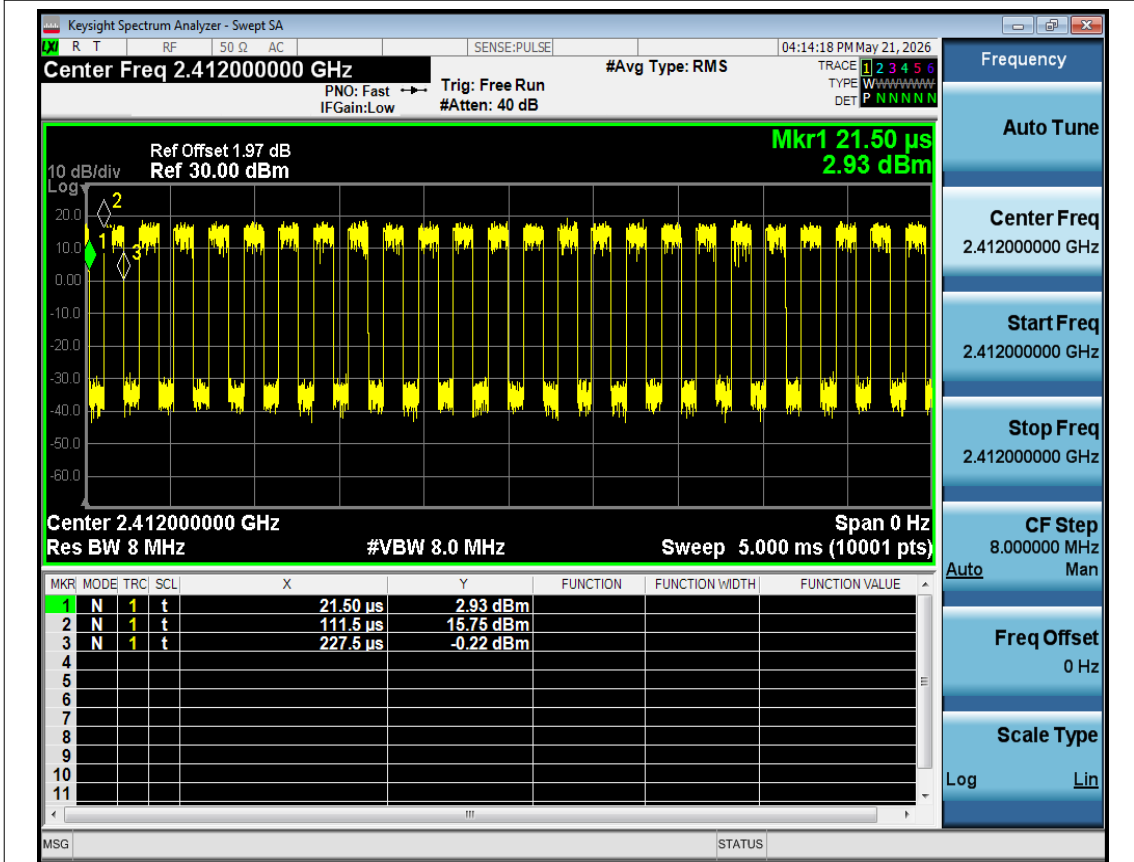
Duty Cycle NVNT b 2412MHz Ant1



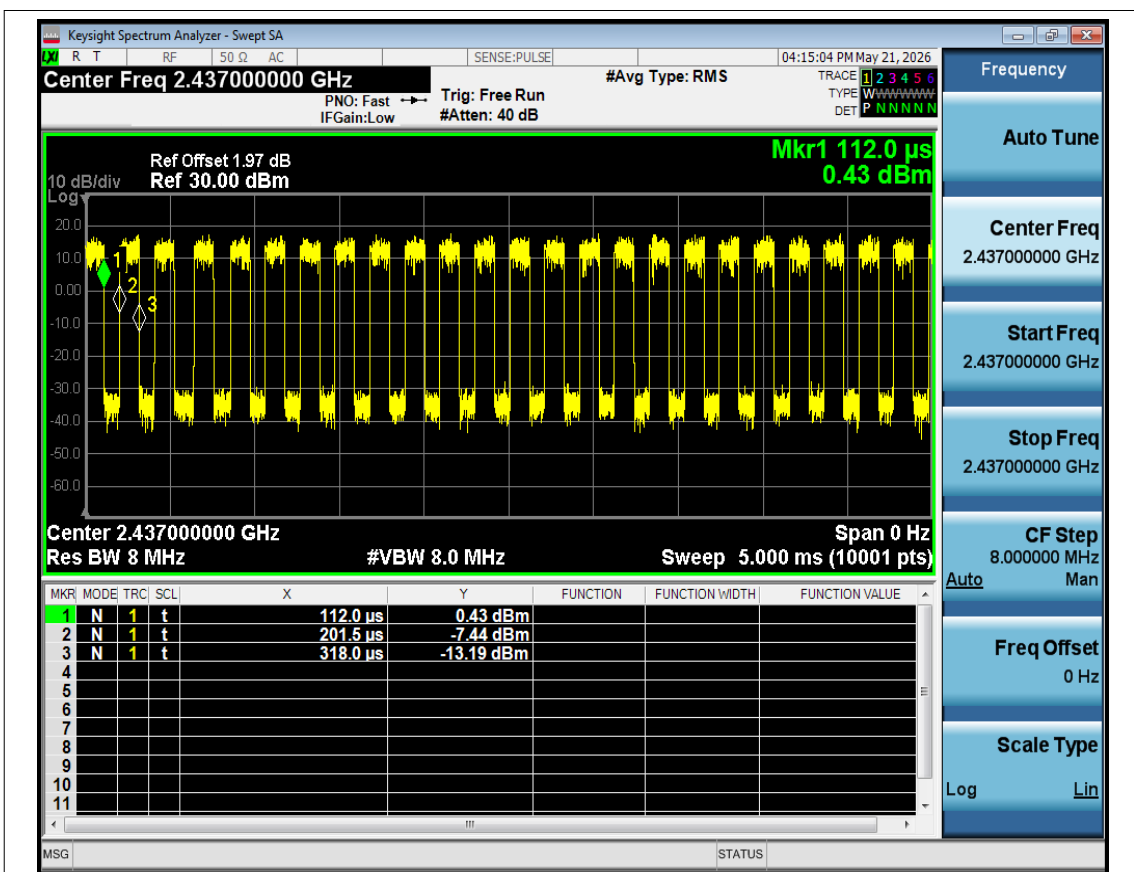
Duty Cycle NVNT b 2437MHz Ant1



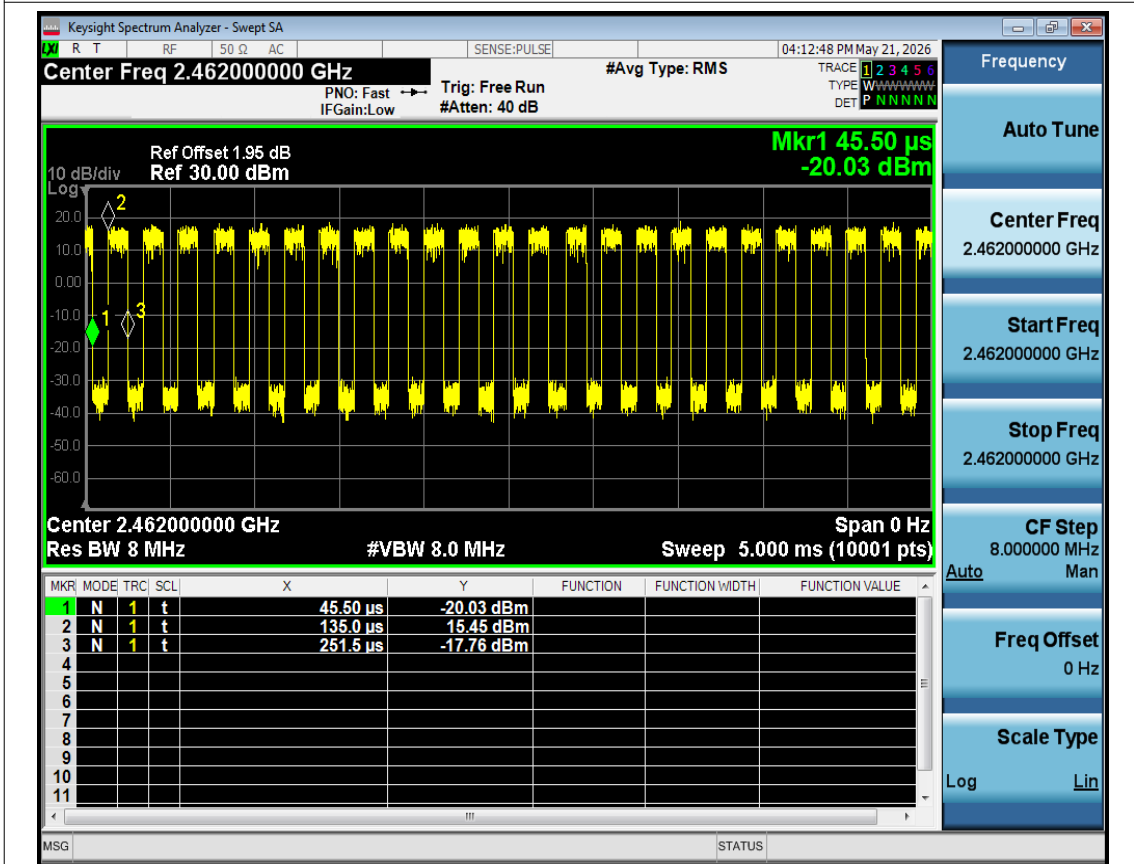
Duty Cycle NVNT b 2462MHz Ant1



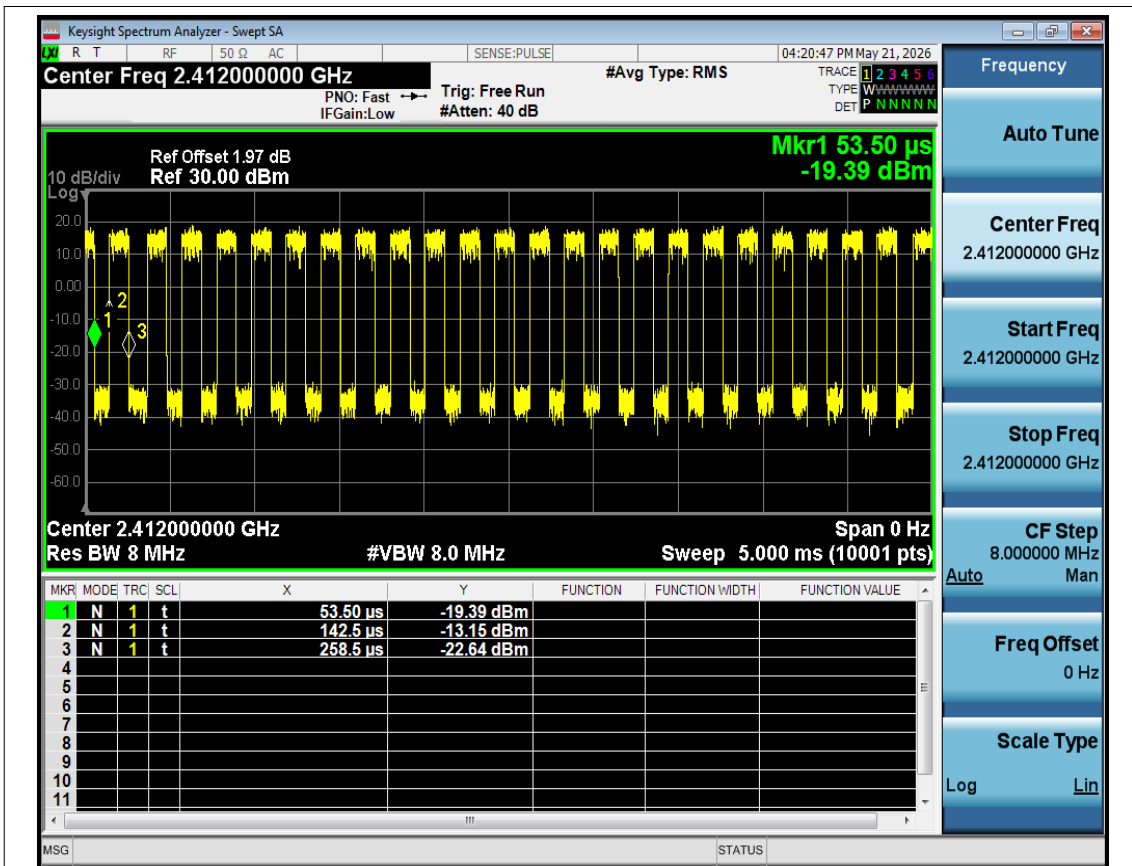
Duty Cycle NVNT g 2412MHz Ant1



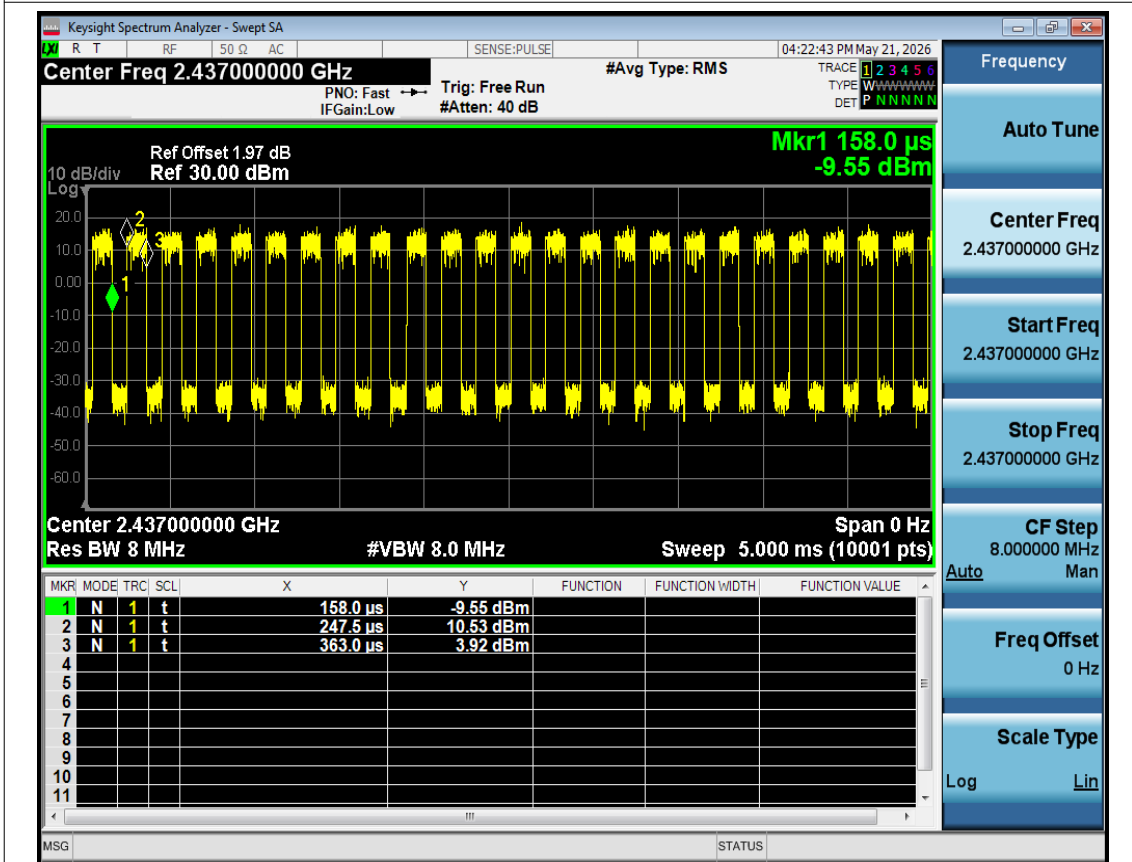
Duty Cycle NVNT g 2437MHz Ant1



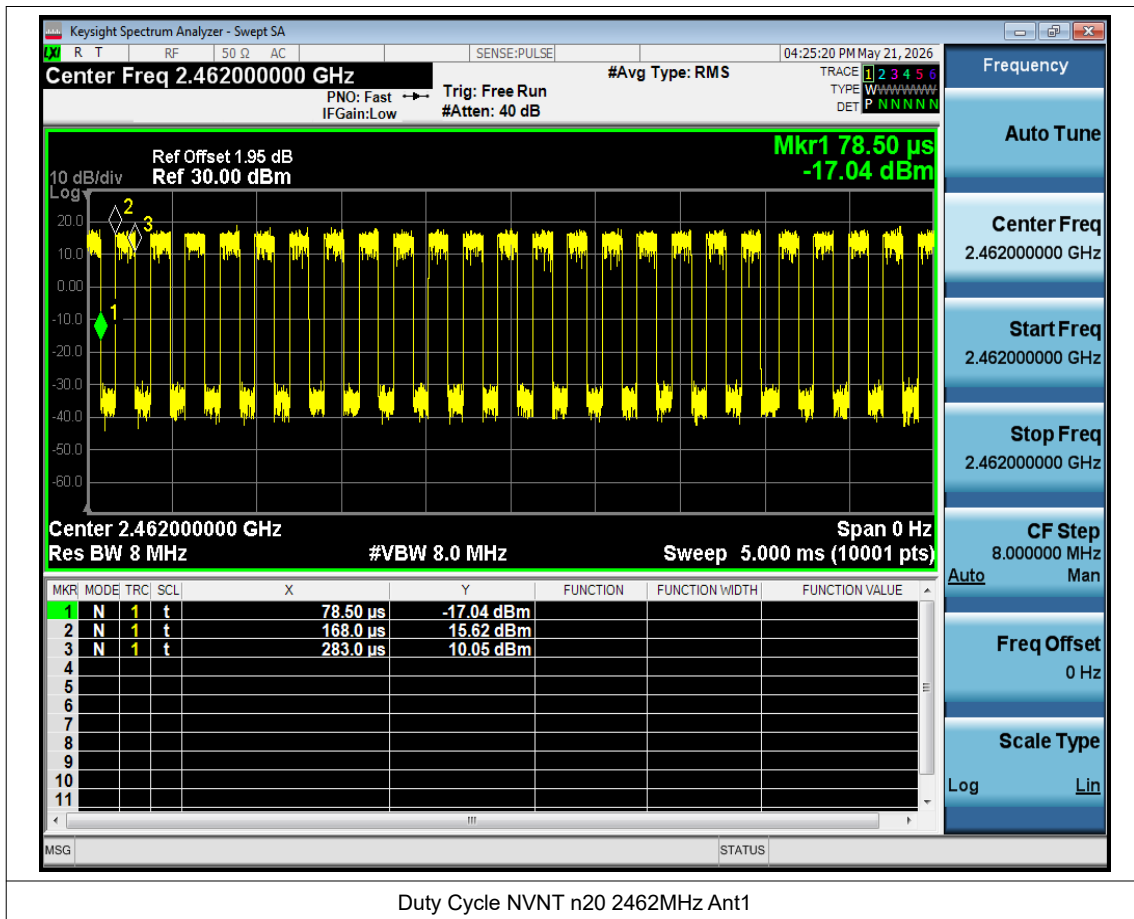
Duty Cycle NVNT g 2462MHz Ant1



Duty Cycle NVNT n20 2412MHz Ant1

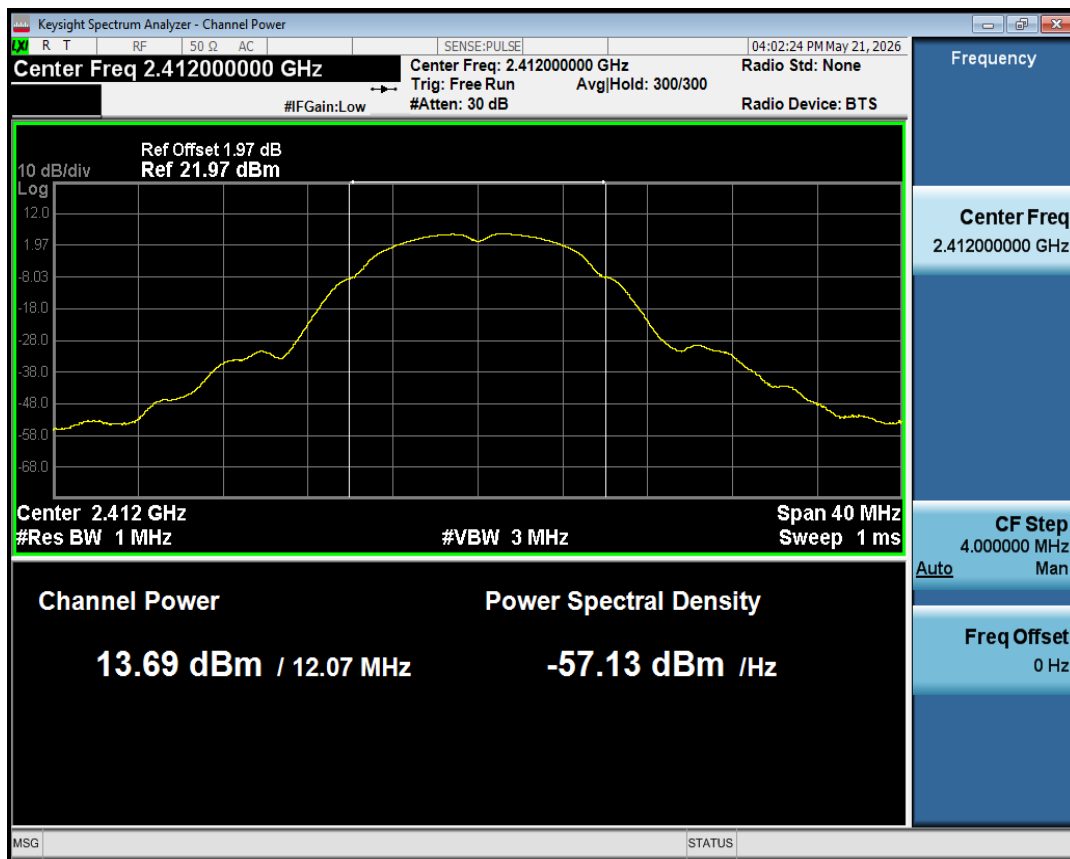


Duty Cycle NVNT n20 2437MHz Ant1

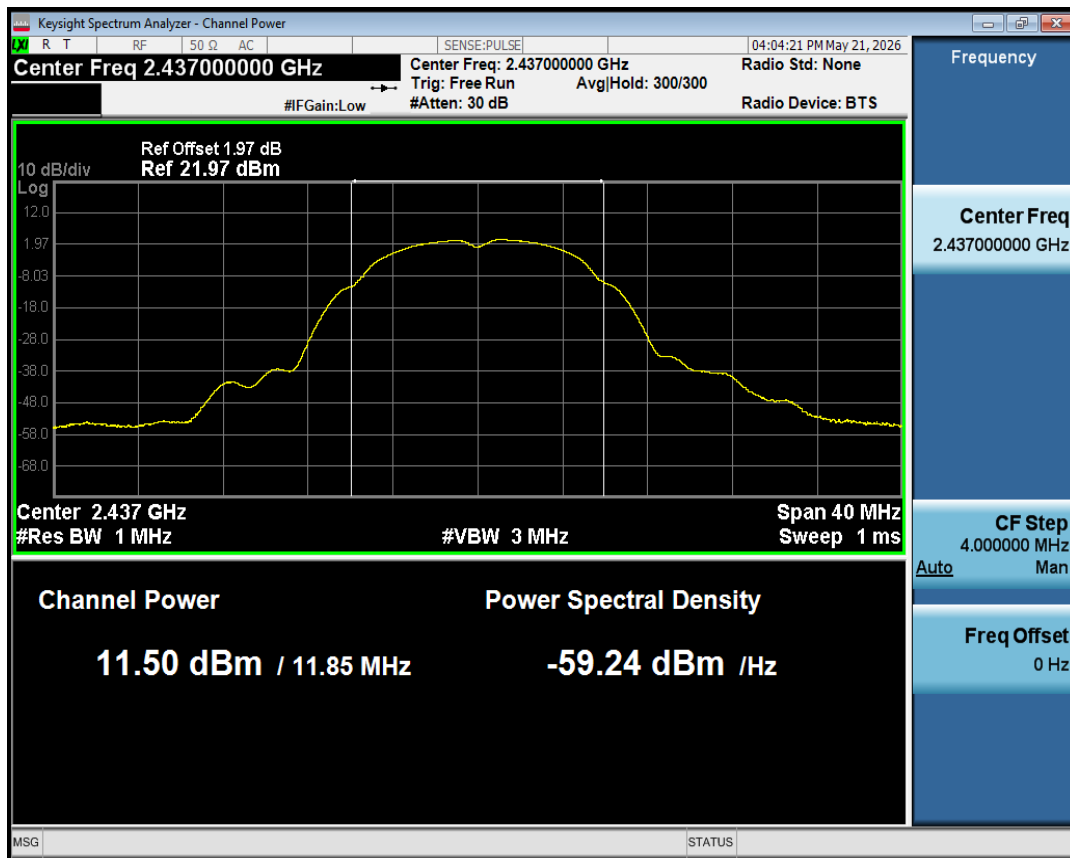


Maximum Average Conducted Output Power

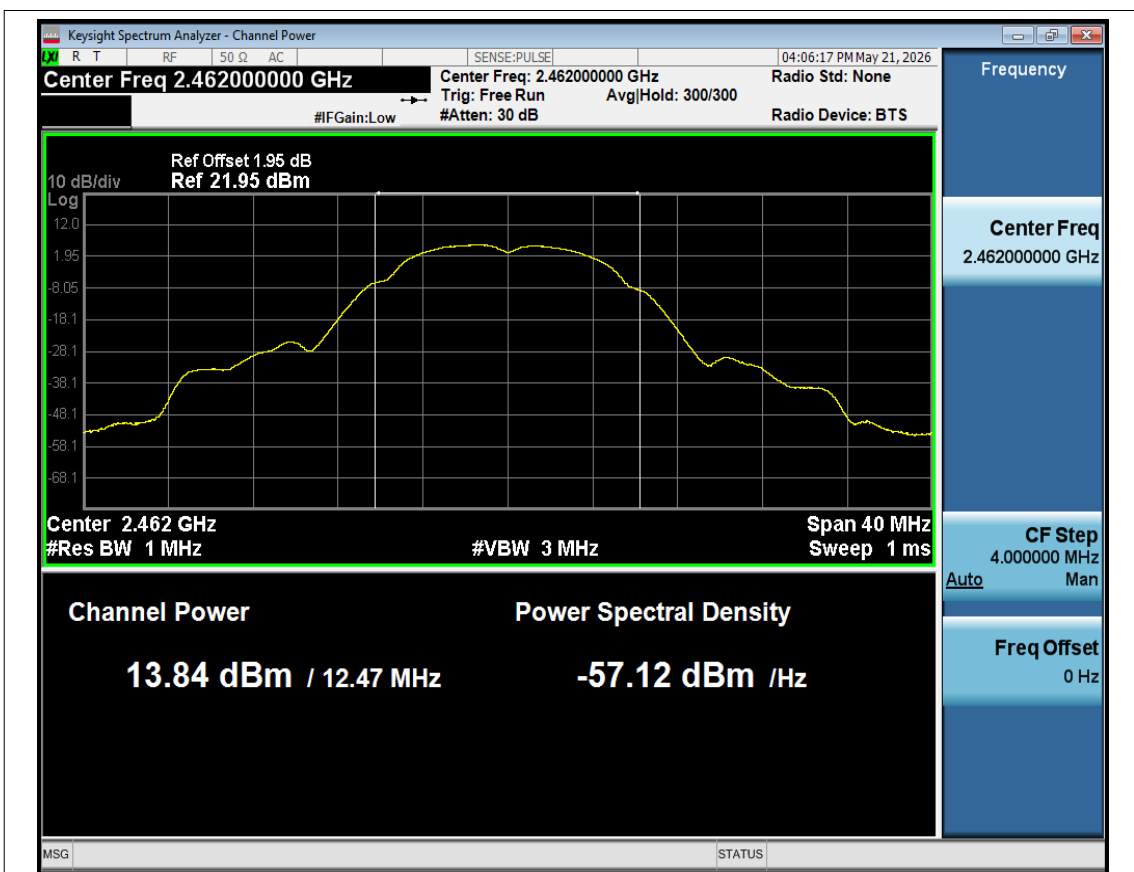
Condi tion	Mod e	Frequen cy (MHz)	Anten na	Conduct ed Power (dBm)	Duty Fact or (dB)	Total Conduct ed Power (dBm)	Total Conduct ed Power (W)	Limit Conducted(dB m)	Verdi ct
NVNT	b	2412	Ant1	13.69	0.52	14.21	0.02636	30	Pass
NVNT	b	2437	Ant1	11.5	0.64	12.14	0.01637	30	Pass
NVNT	b	2462	Ant1	13.84	0.51	14.35	0.02723	30	Pass
NVNT	g	2412	Ant1	10.92	2.49	13.41	0.02193	30	Pass
NVNT	g	2437	Ant1	9.02	2.86	11.88	0.01542	30	Pass
NVNT	g	2462	Ant1	10.85	2.48	13.33	0.02153	30	Pass
NVNT	n20	2412	Ant1	11.06	2.47	13.53	0.02254	30	Pass
NVNT	n20	2437	Ant1	9.19	2.49	11.68	0.01472	30	Pass
NVNT	n20	2462	Ant1	11.02	2.5	13.52	0.02249	30	Pass



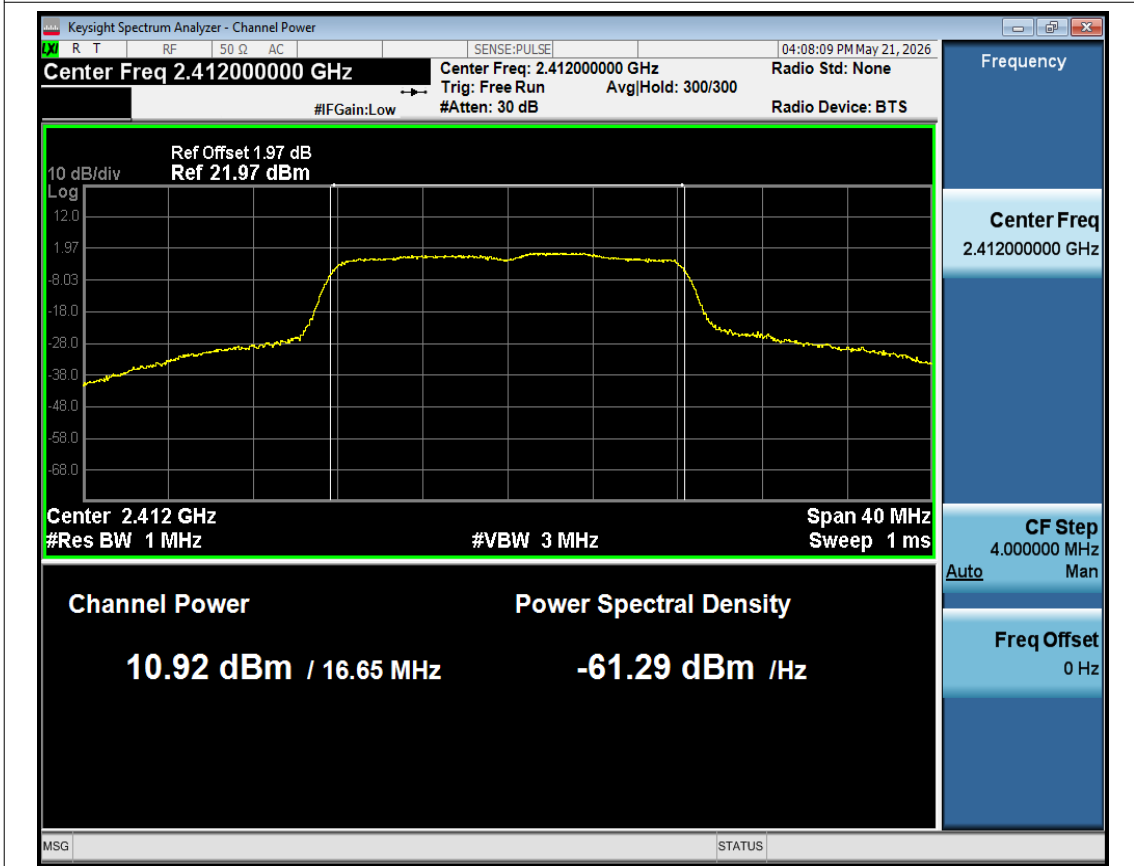
Average Power NVNT b 2412MHz Ant1



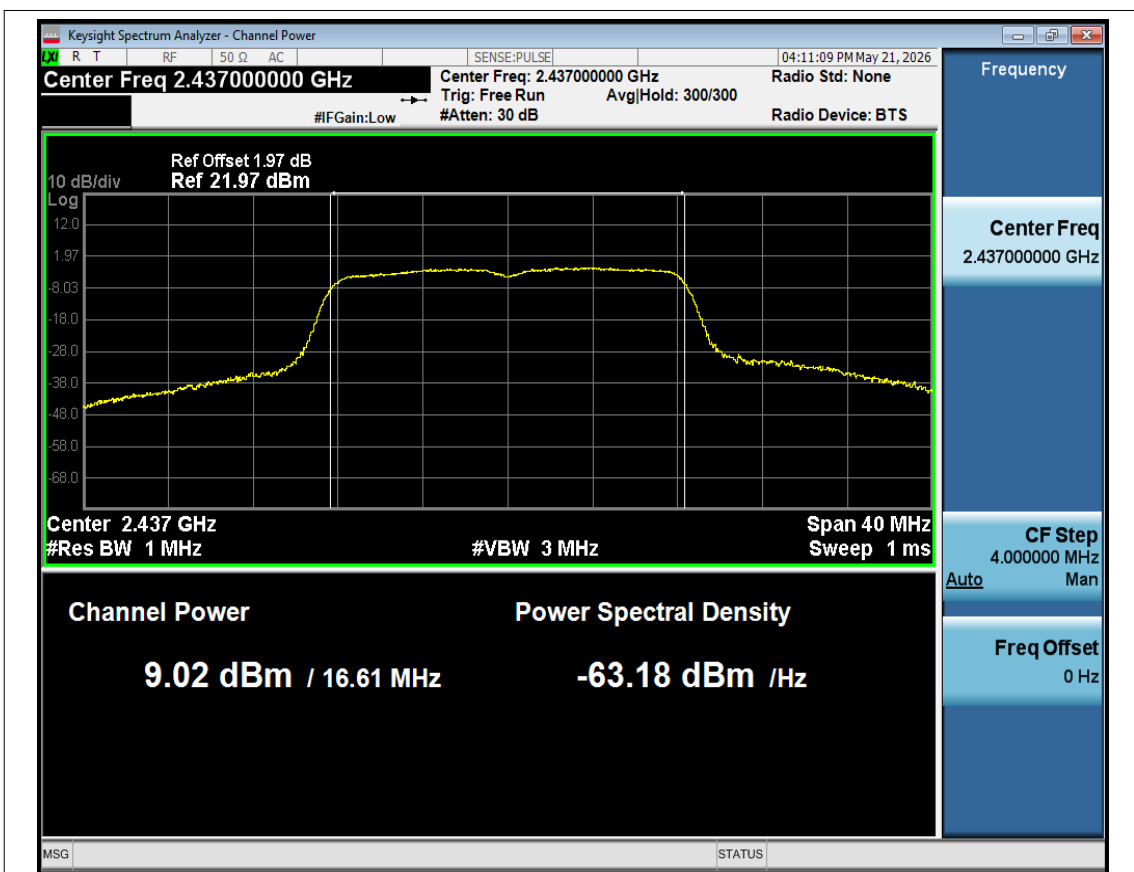
Average Power NVNT b 2437MHz Ant1



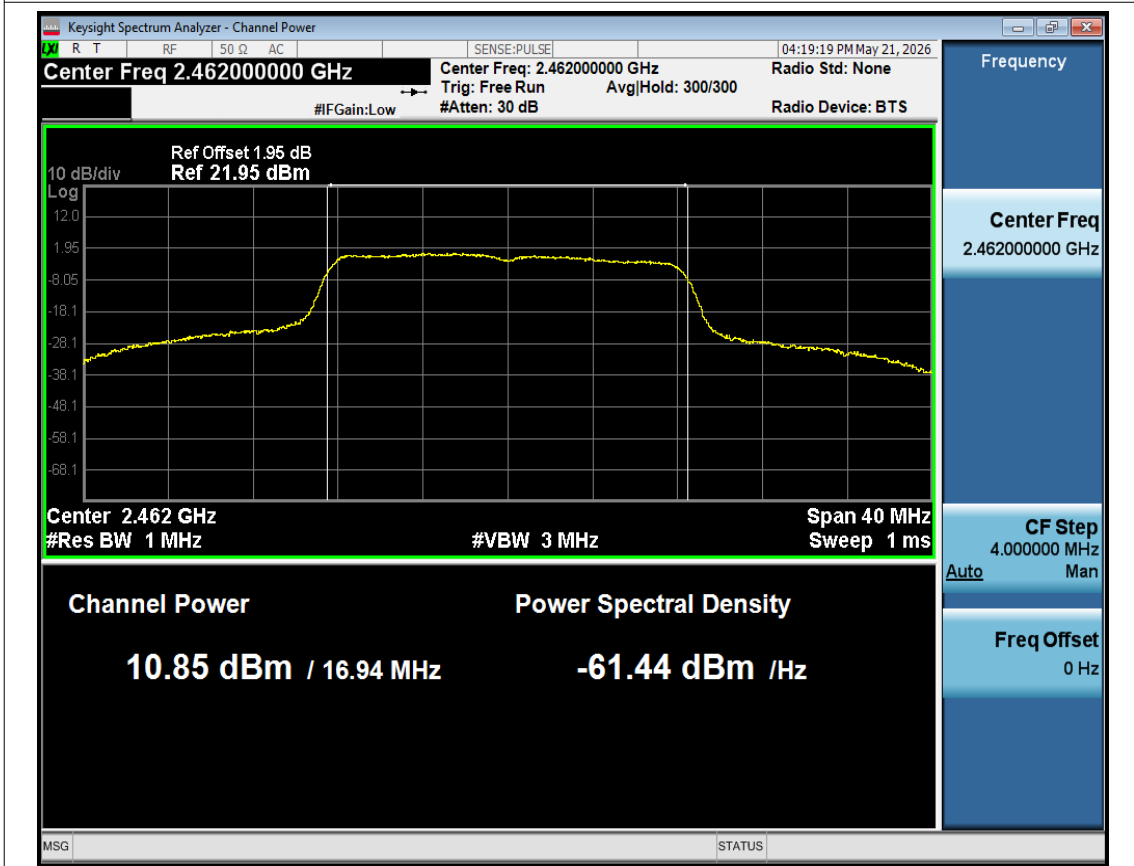
Average Power NVNT b 2462MHz Ant1



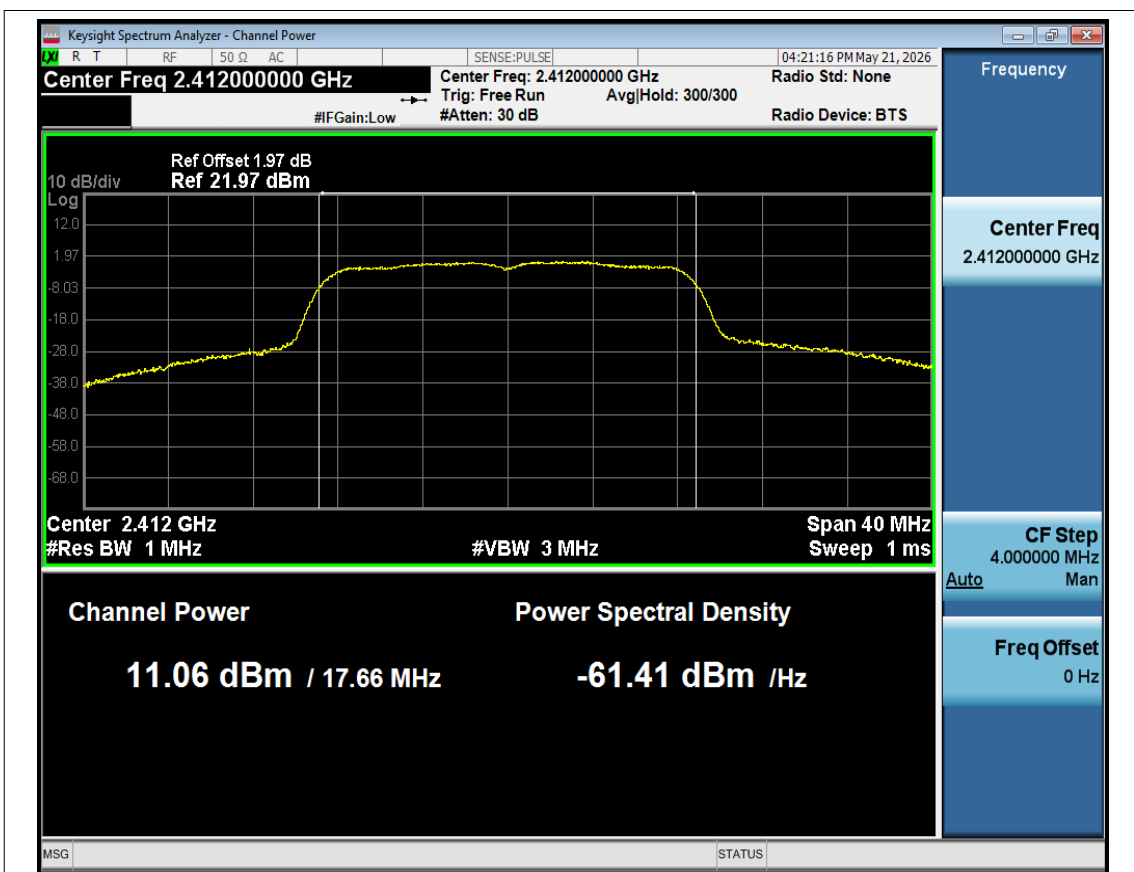
Average Power NVNT g 2412MHz Ant1



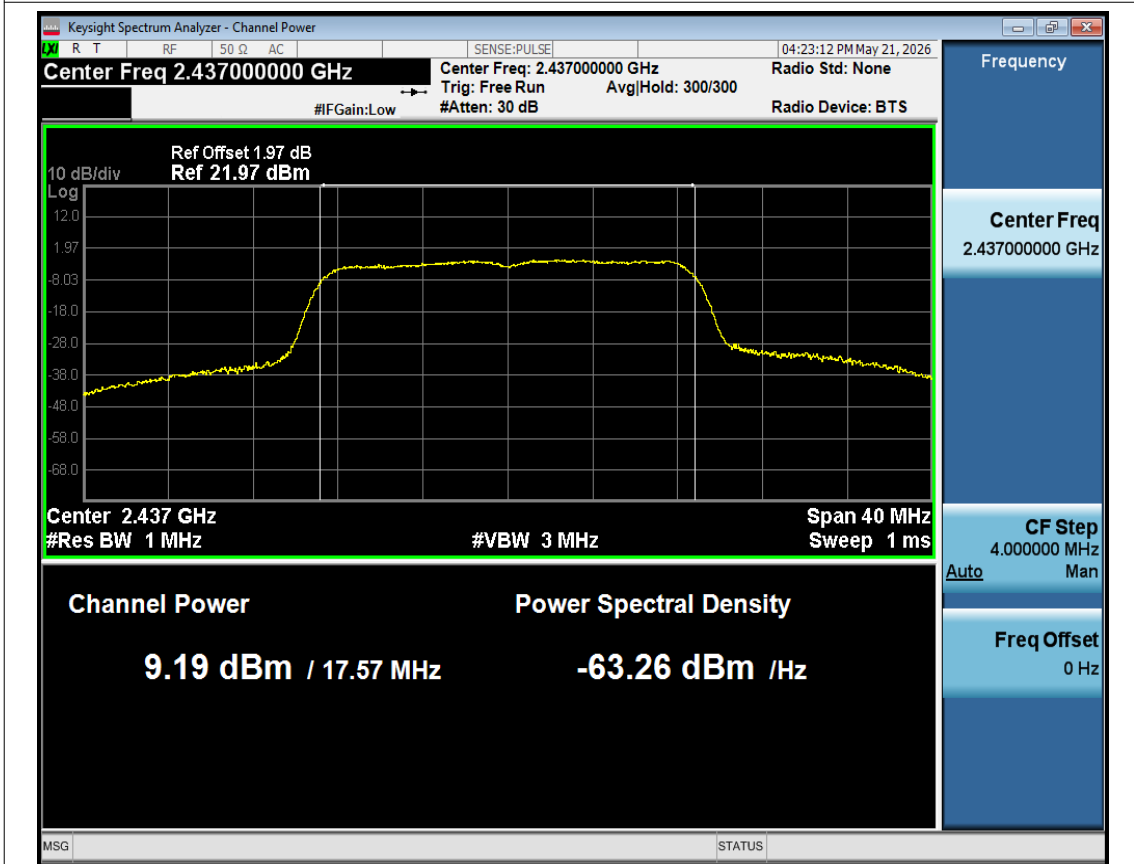
Average Power NVNT g 2437MHz Ant1



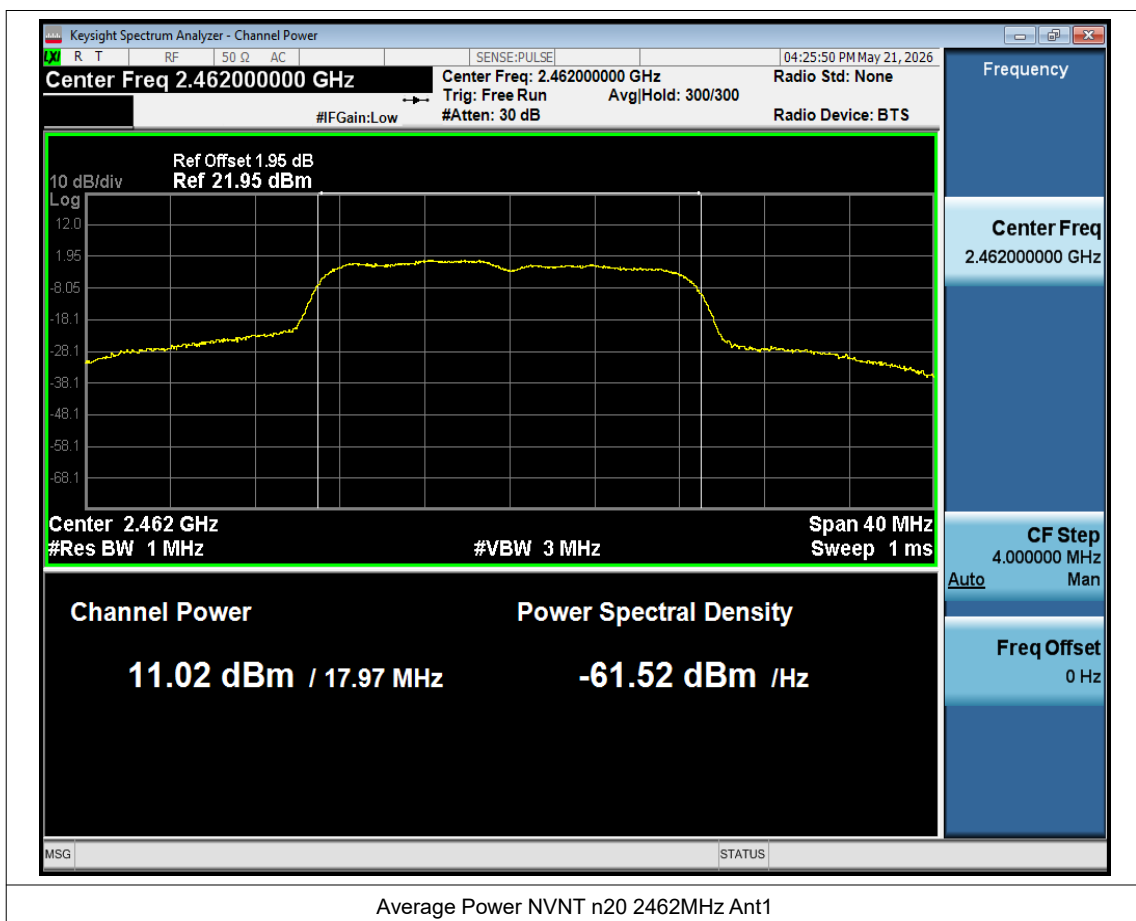
Average Power NVNT g 2462MHz Ant1



Average Power NVNT n20 2412MHz Ant1



Average Power NVNT n20 2437MHz Ant1



-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.096	0.5	Pass
NVNT	b	2437	Ant1	9.092	0.5	Pass
NVNT	b	2462	Ant1	9.107	0.5	Pass
NVNT	g	2412	Ant1	16.16	0.5	Pass
NVNT	g	2437	Ant1	16.19	0.5	Pass
NVNT	g	2462	Ant1	16.1	0.5	Pass
NVNT	n20	2412	Ant1	17.08	0.5	Pass
NVNT	n20	2437	Ant1	17.17	0.5	Pass
NVNT	n20	2462	Ant1	17.04	0.5	Pass



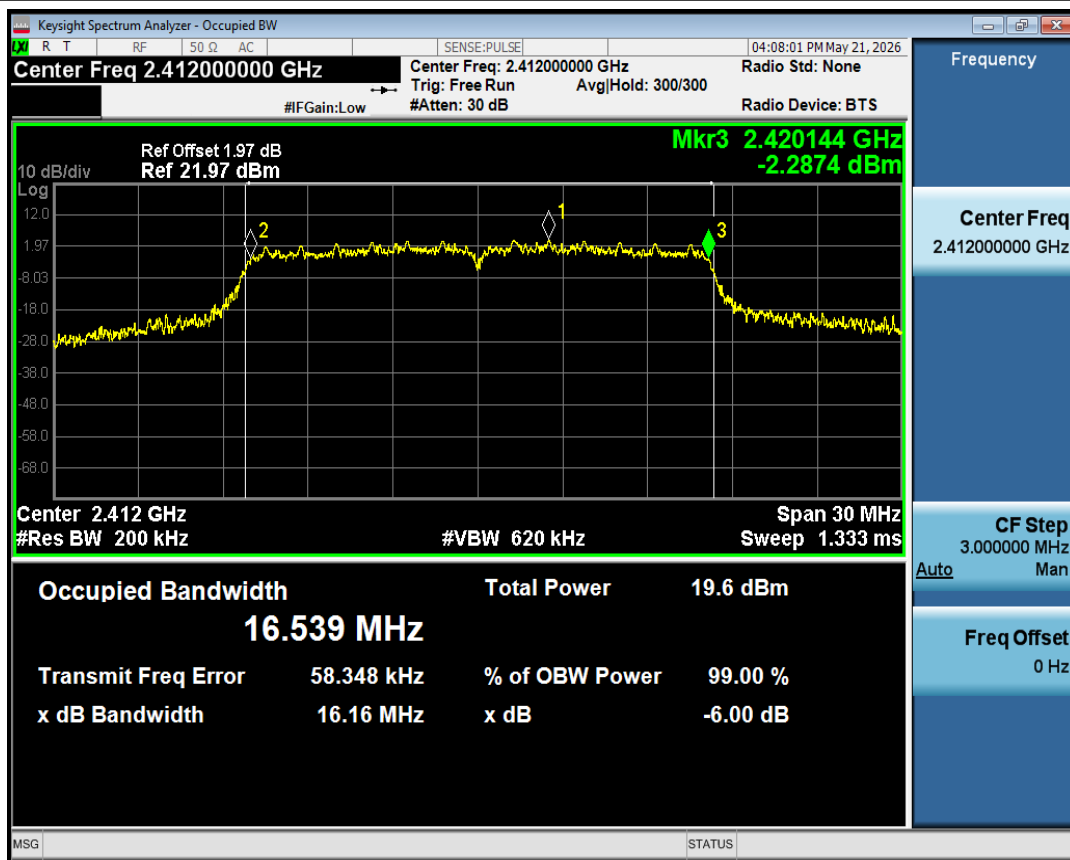
-6dB Bandwidth NVNT b 2412MHz Ant1



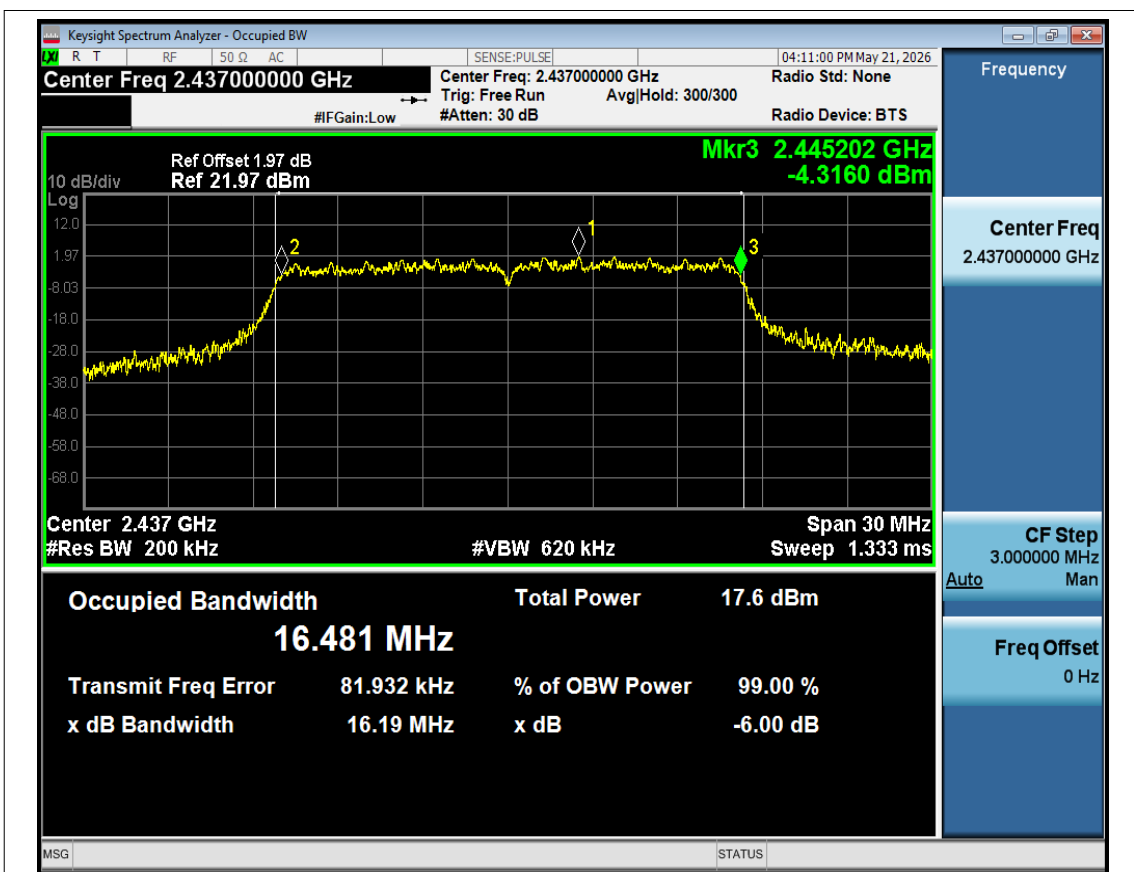
-6dB Bandwidth NVNT b 2437MHz Ant1



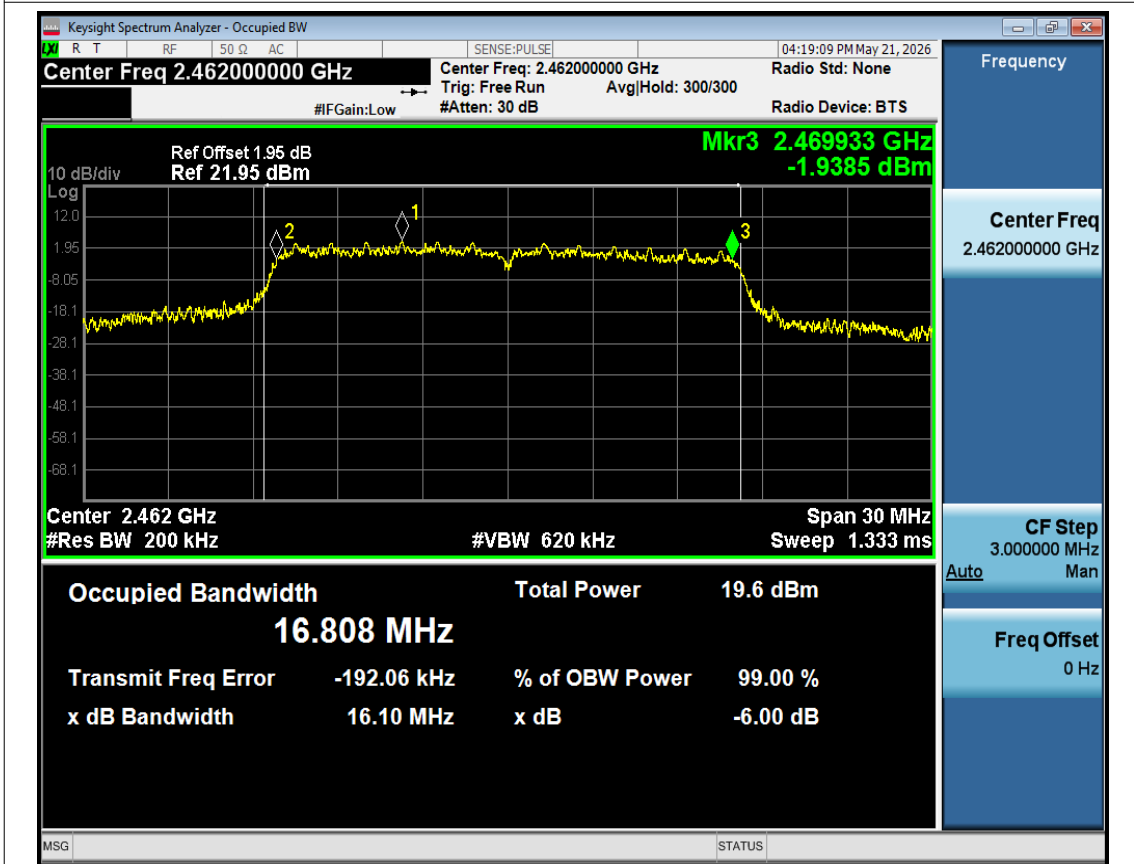
-6dB Bandwidth NVNT b 2462MHz Ant1



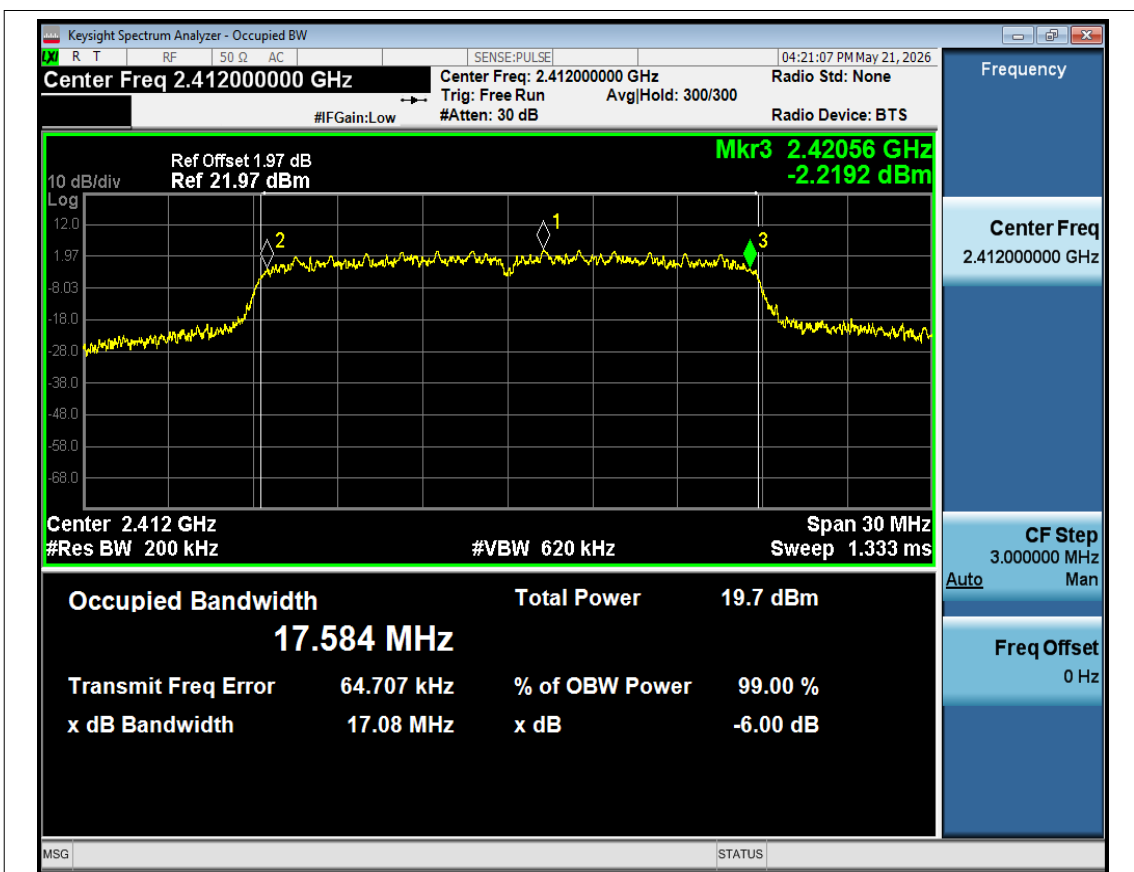
-6dB Bandwidth NVNT g 2412MHz Ant1



-6dB Bandwidth NVNT g 2437MHz Ant1



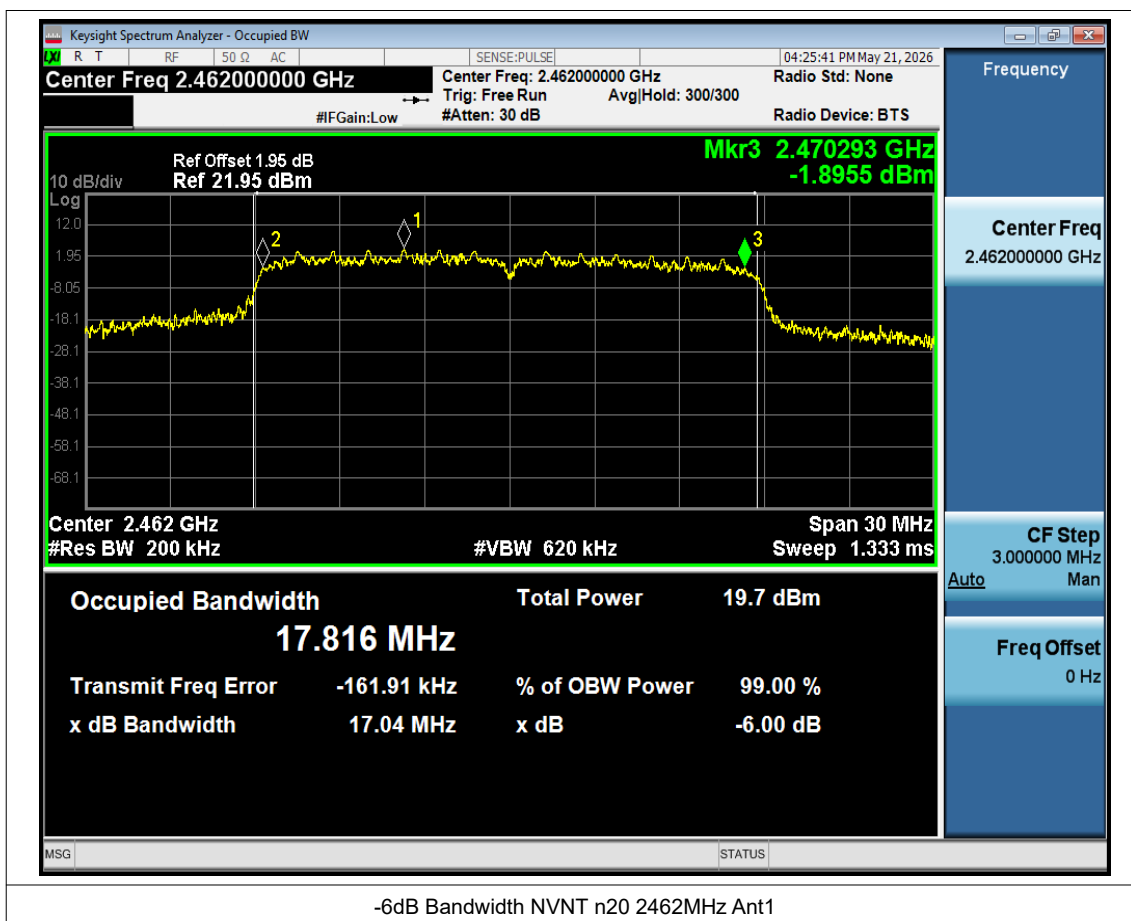
-6dB Bandwidth NVNT g 2462MHz Ant1



-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.074
NVNT	b	2437	Ant1	11.851
NVNT	b	2462	Ant1	12.467
NVNT	g	2412	Ant1	16.65
NVNT	g	2437	Ant1	16.605
NVNT	g	2462	Ant1	16.943
NVNT	n20	2412	Ant1	17.664
NVNT	n20	2437	Ant1	17.572
NVNT	n20	2462	Ant1	17.97



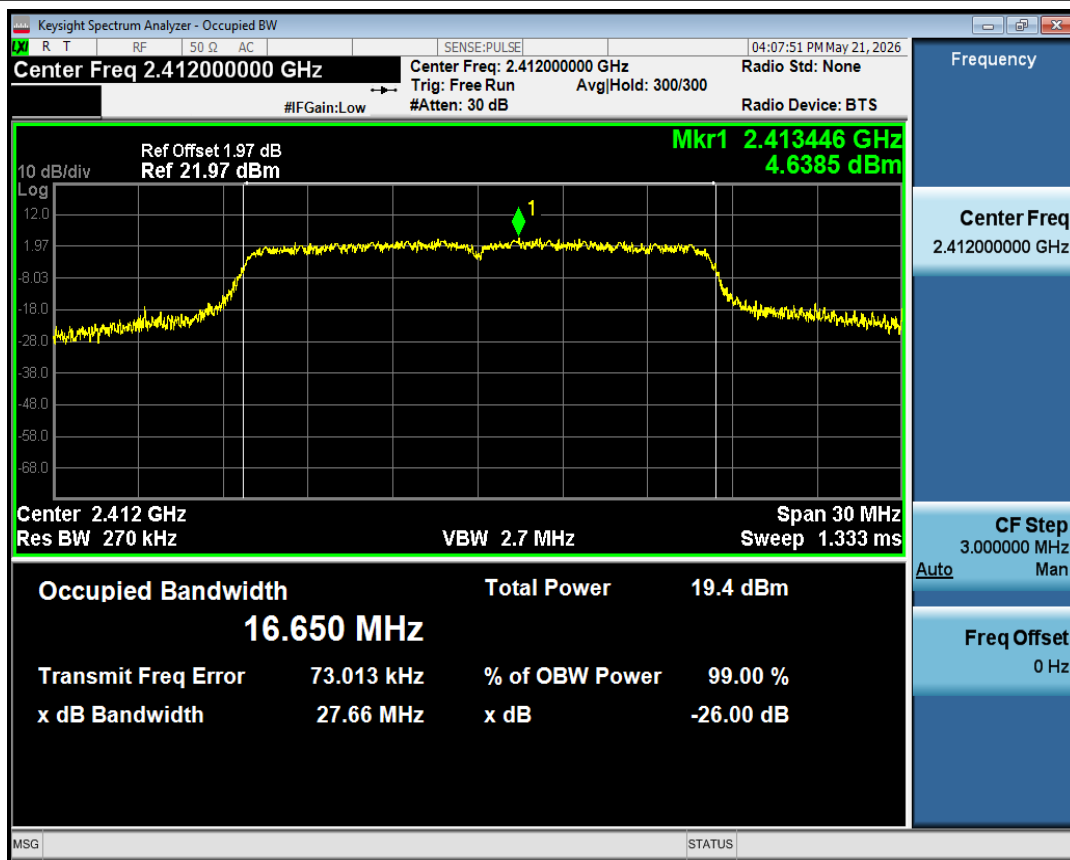
OBW NVNT b 2412MHz Ant1



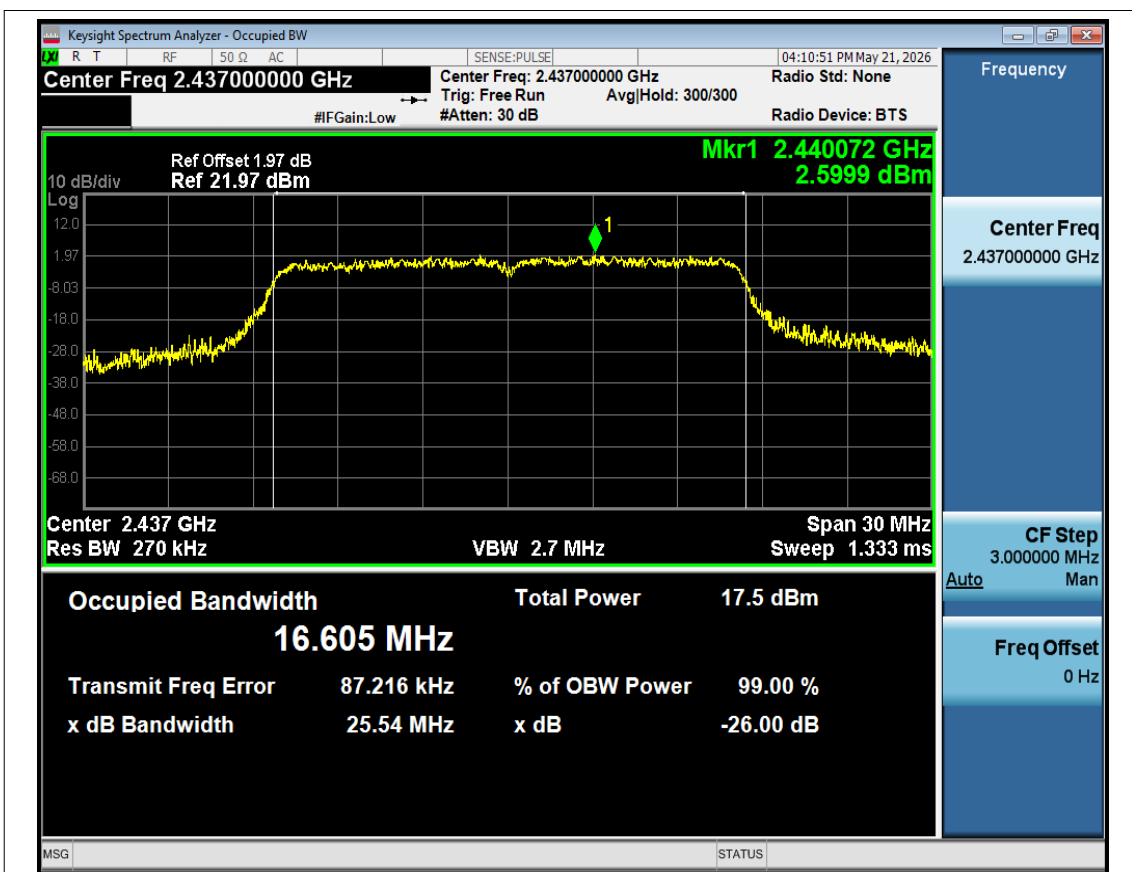
OBW NVNT b 2437MHz Ant1



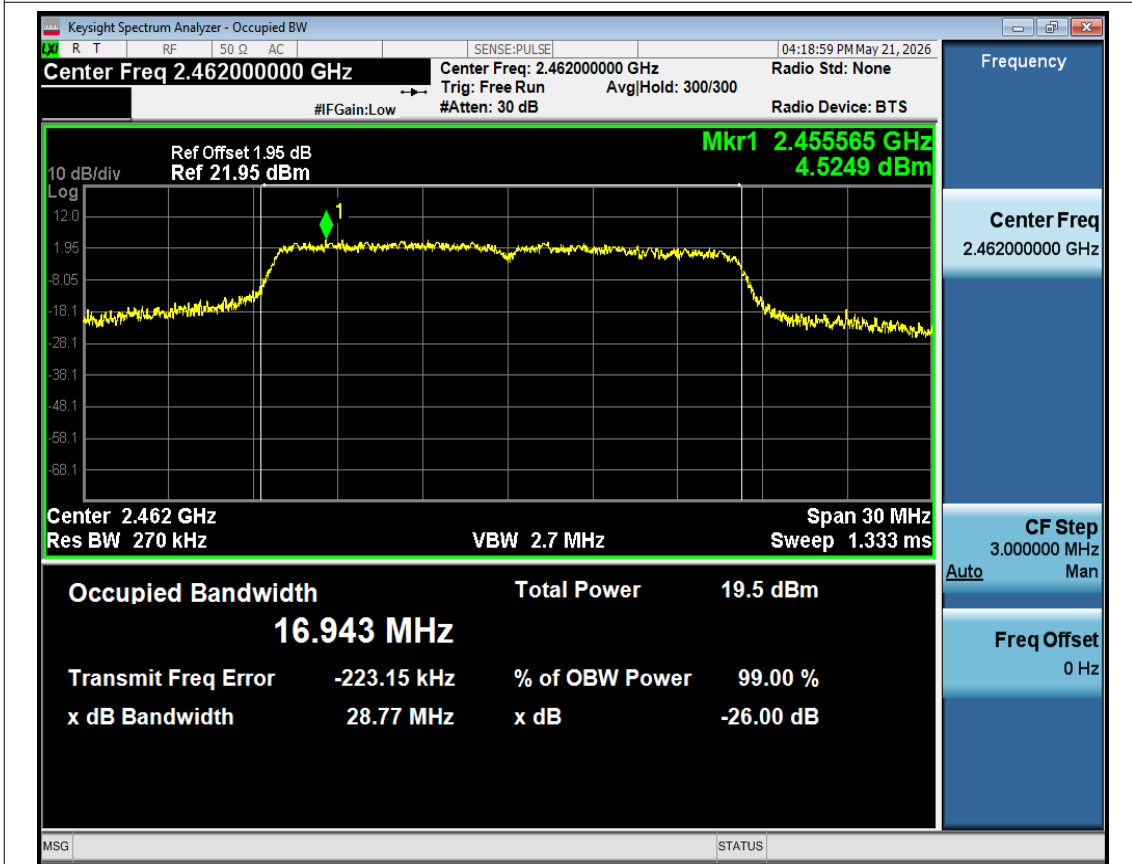
OBW NVNT b 2462MHz Ant1



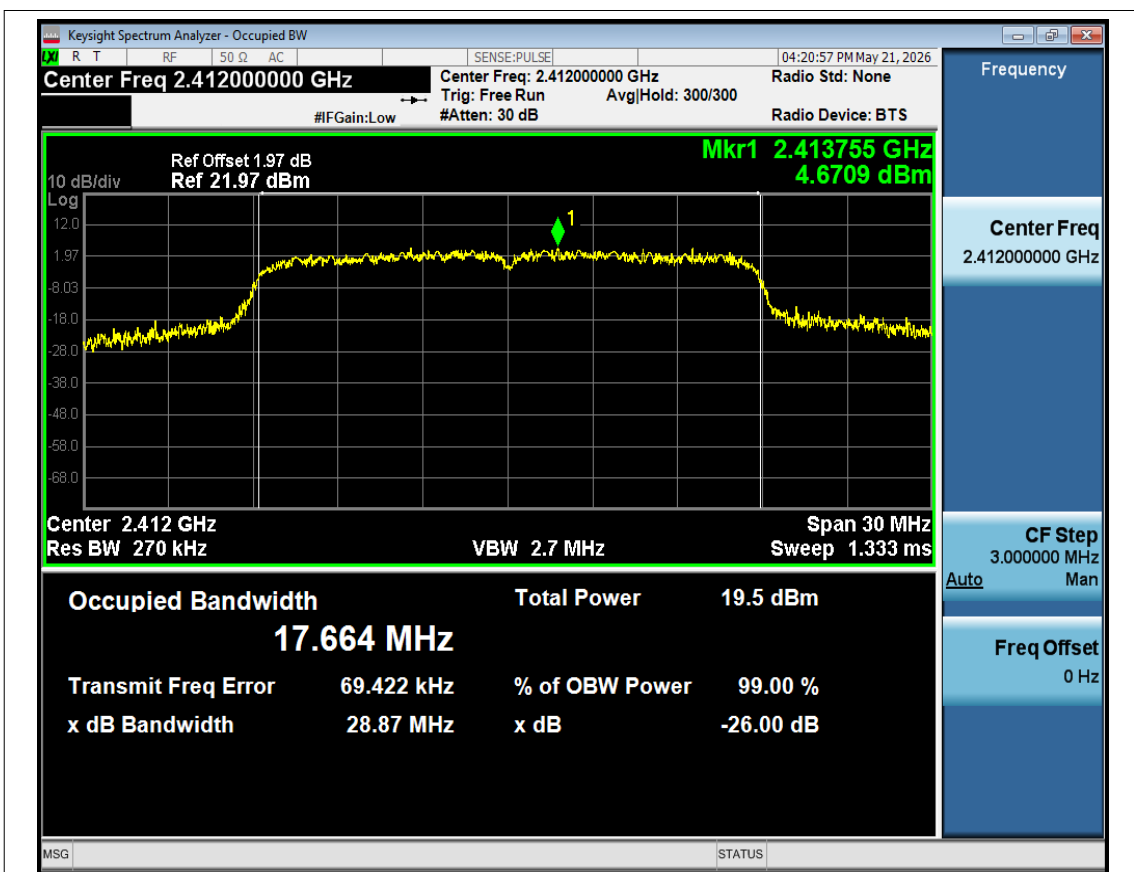
OBW NVNT g 2412MHz Ant1



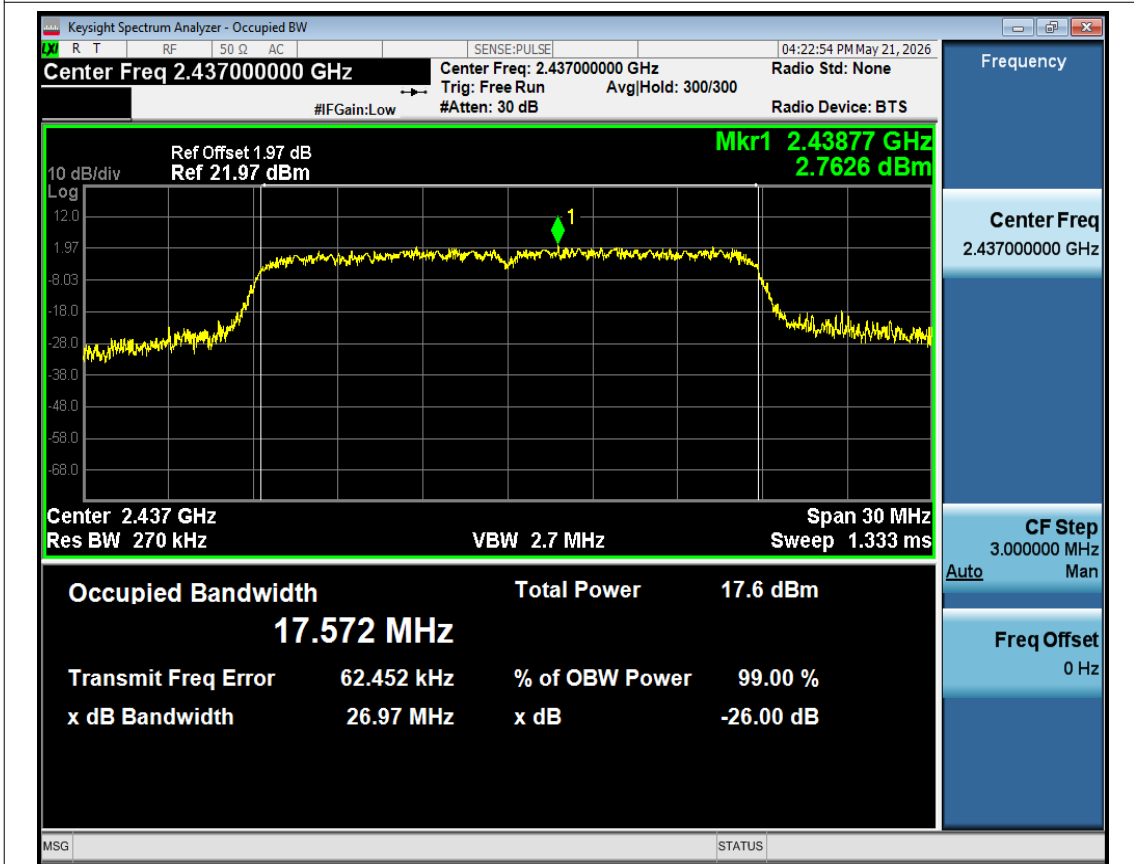
OBW NVNT g 2437MHz Ant1



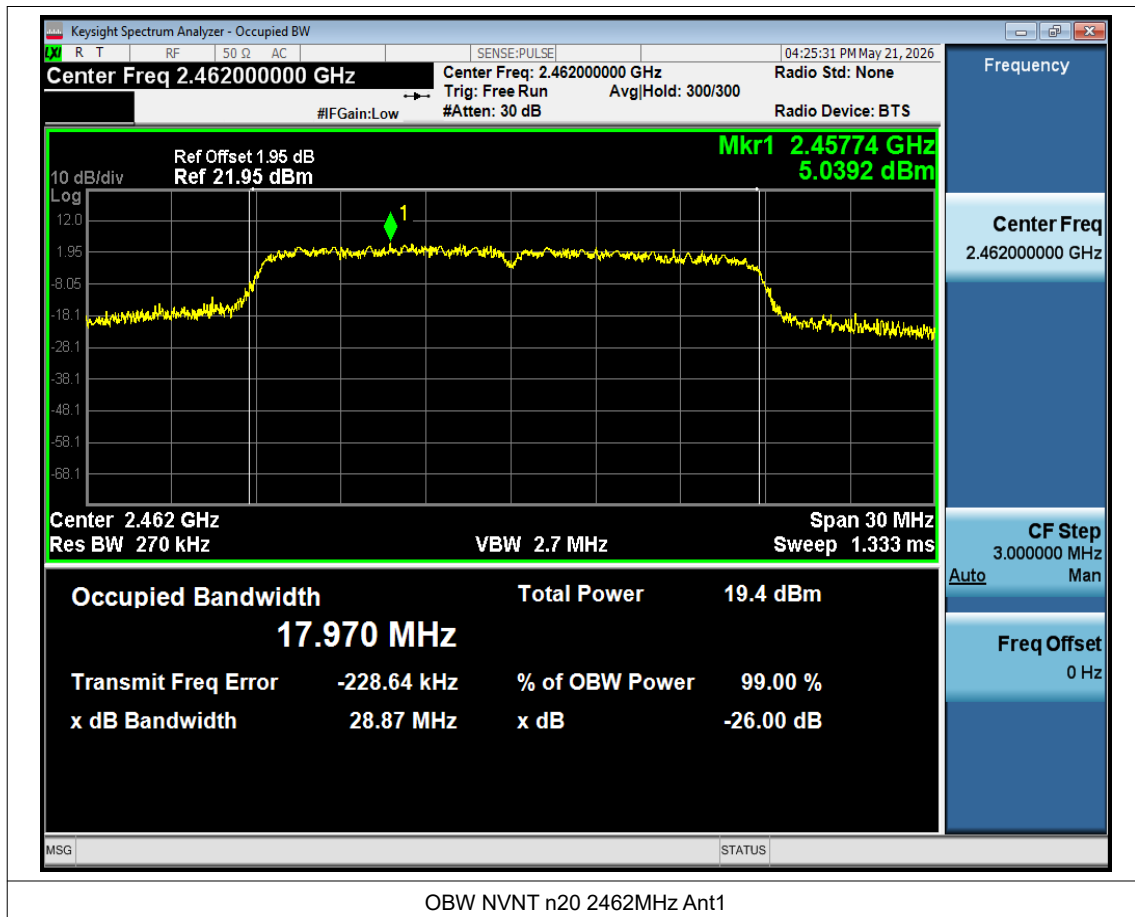
OBW NVNT g 2462MHz Ant1



OBW NVNT n20 2412MHz Ant1



OBW NVNT n20 2437MHz Ant1



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	-17.98	0.52	-17.46	8	Pass
NVNT	b	2437	Ant1	-20.31	0.64	-19.67	8	Pass
NVNT	b	2462	Ant1	-18.26	0.51	-17.75	8	Pass
NVNT	g	2412	Ant1	-20.6	2.49	-18.11	8	Pass
NVNT	g	2437	Ant1	-23.02	2.86	-20.16	8	Pass
NVNT	g	2462	Ant1	-20.57	2.48	-18.09	8	Pass
NVNT	n20	2412	Ant1	-21.33	2.47	-18.86	8	Pass
NVNT	n20	2437	Ant1	-23.32	2.49	-20.83	8	Pass
NVNT	n20	2462	Ant1	-21.15	2.5	-18.65	8	Pass
Remark: $PSD(dbm/3kHz) = PSD(dbm/30kHz) - 10\log(30kHz/3kHz)$								



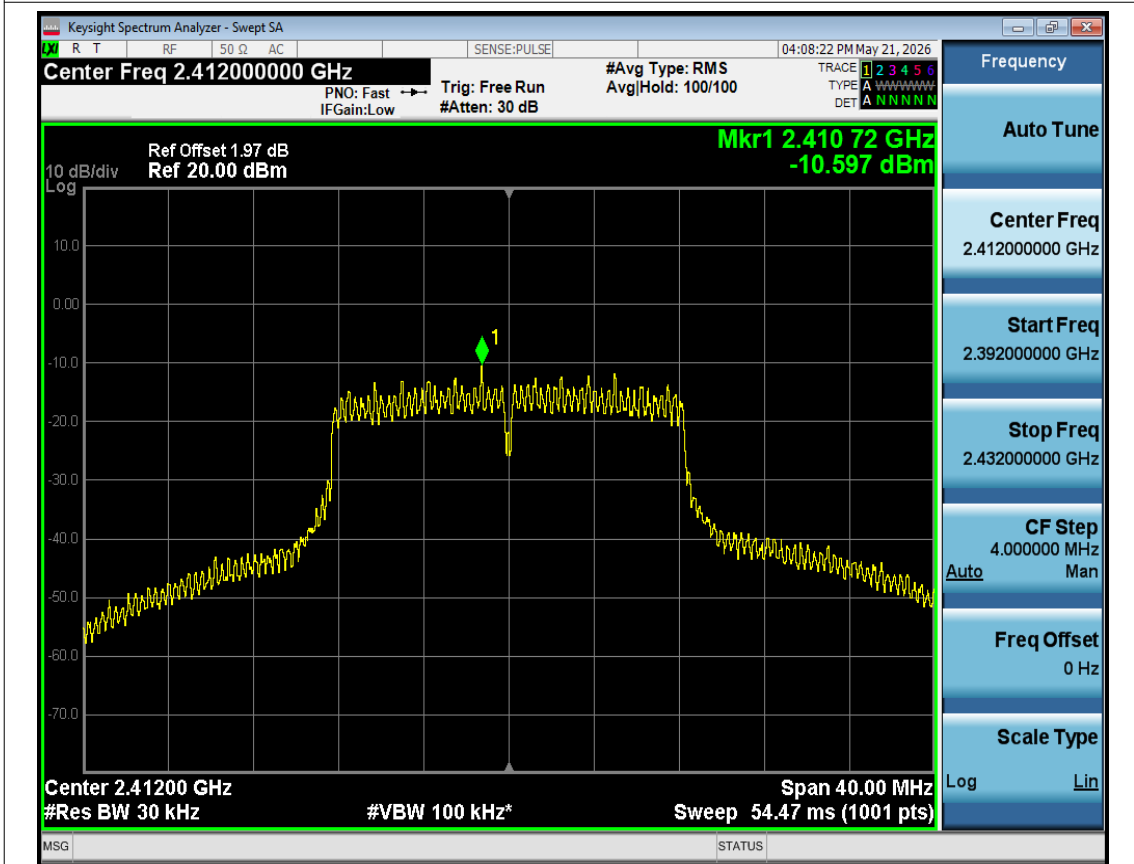
PSD NVNT b 2412MHz Ant1



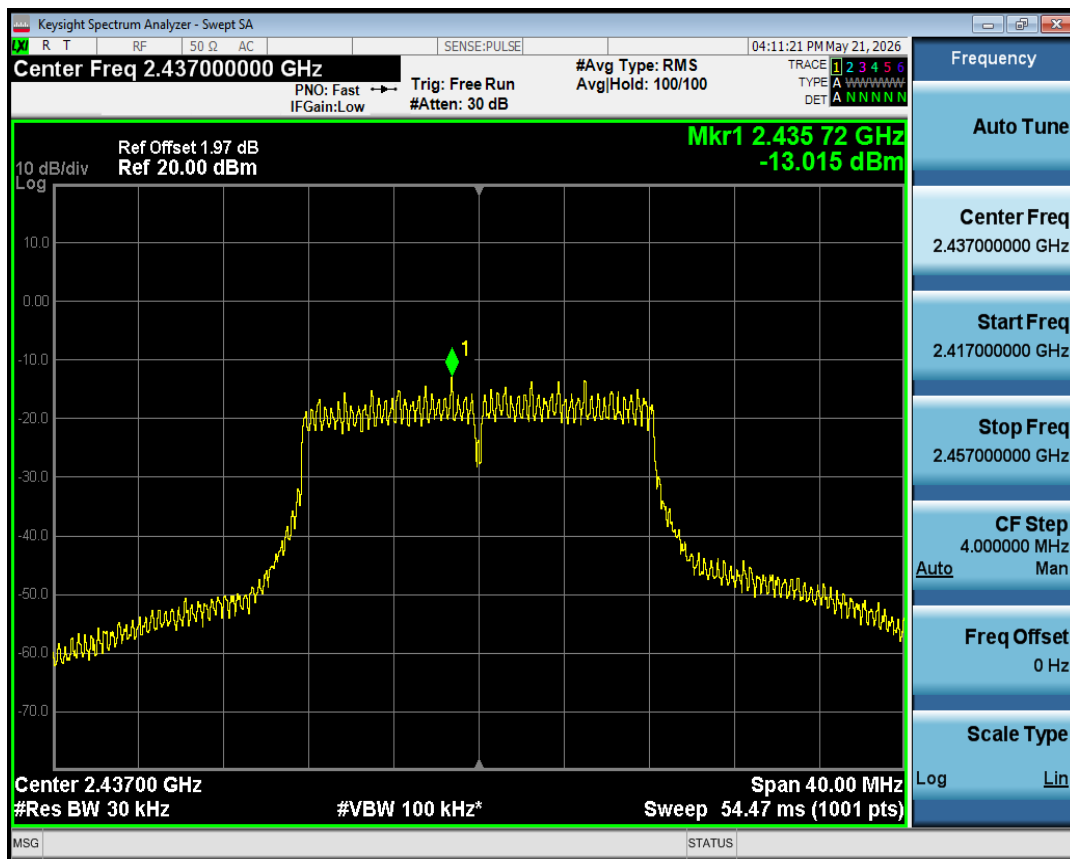
PSD NVNT b 2437MHz Ant1



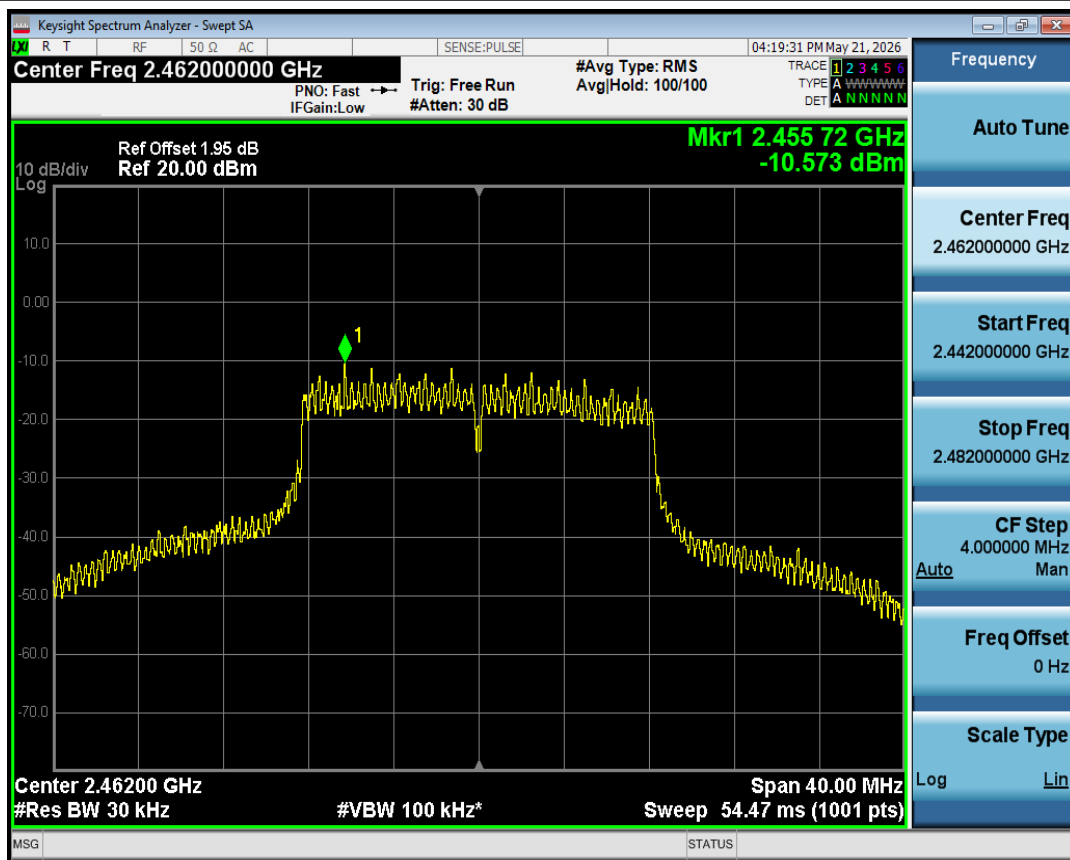
PSD NVNT b 2462MHz Ant1



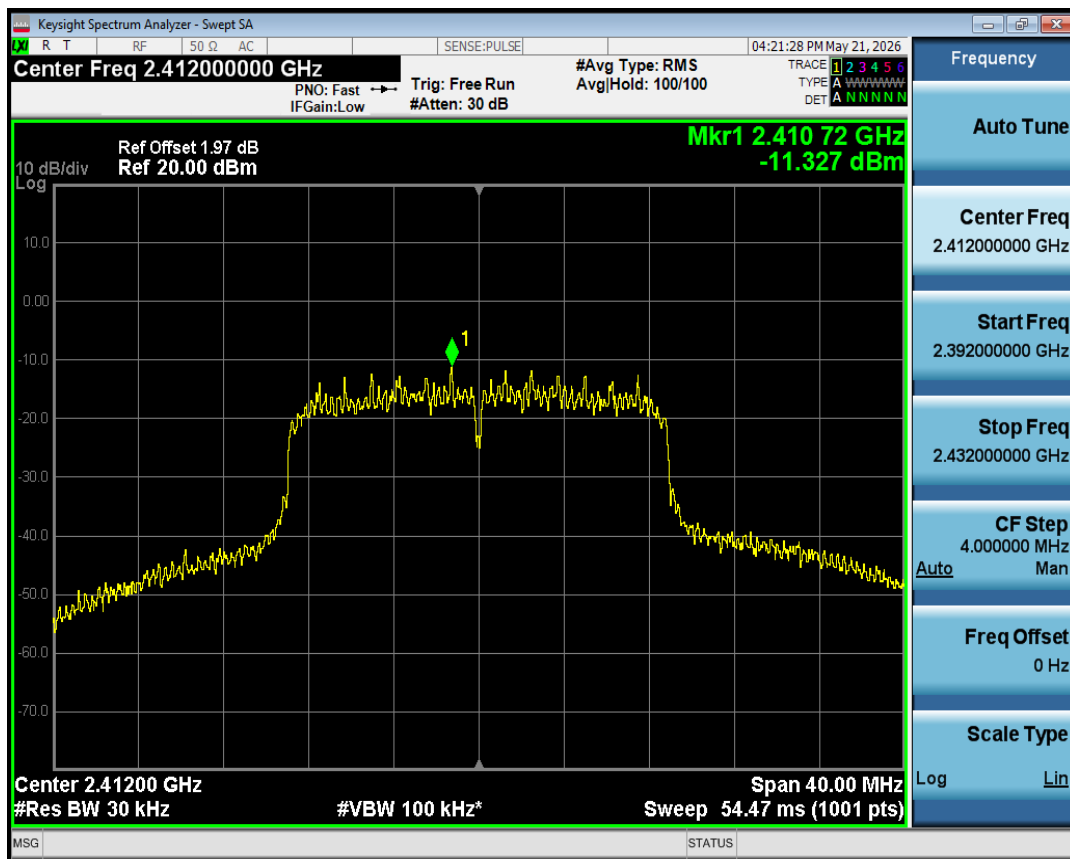
PSD NVNT g 2412MHz Ant1



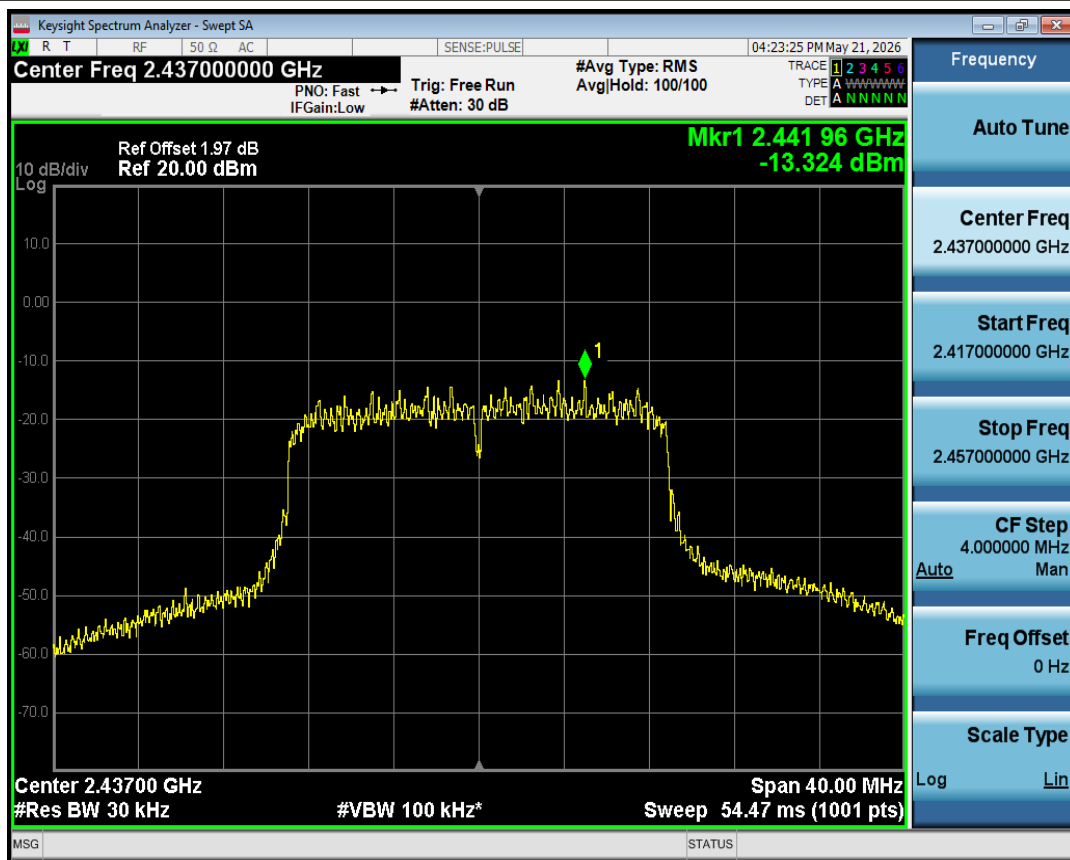
PSD NVNT g 2437MHz Ant1



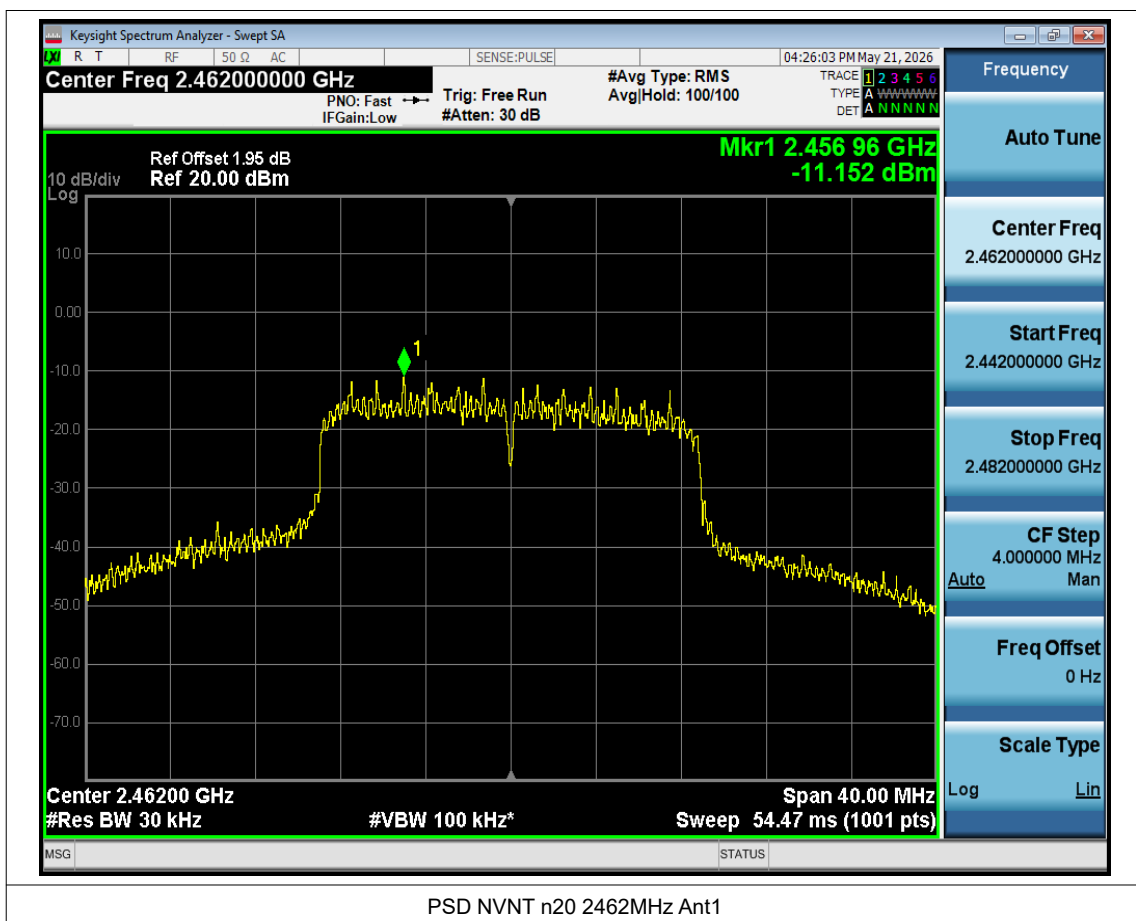
PSD NVNT g 2462MHz Ant1



PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1

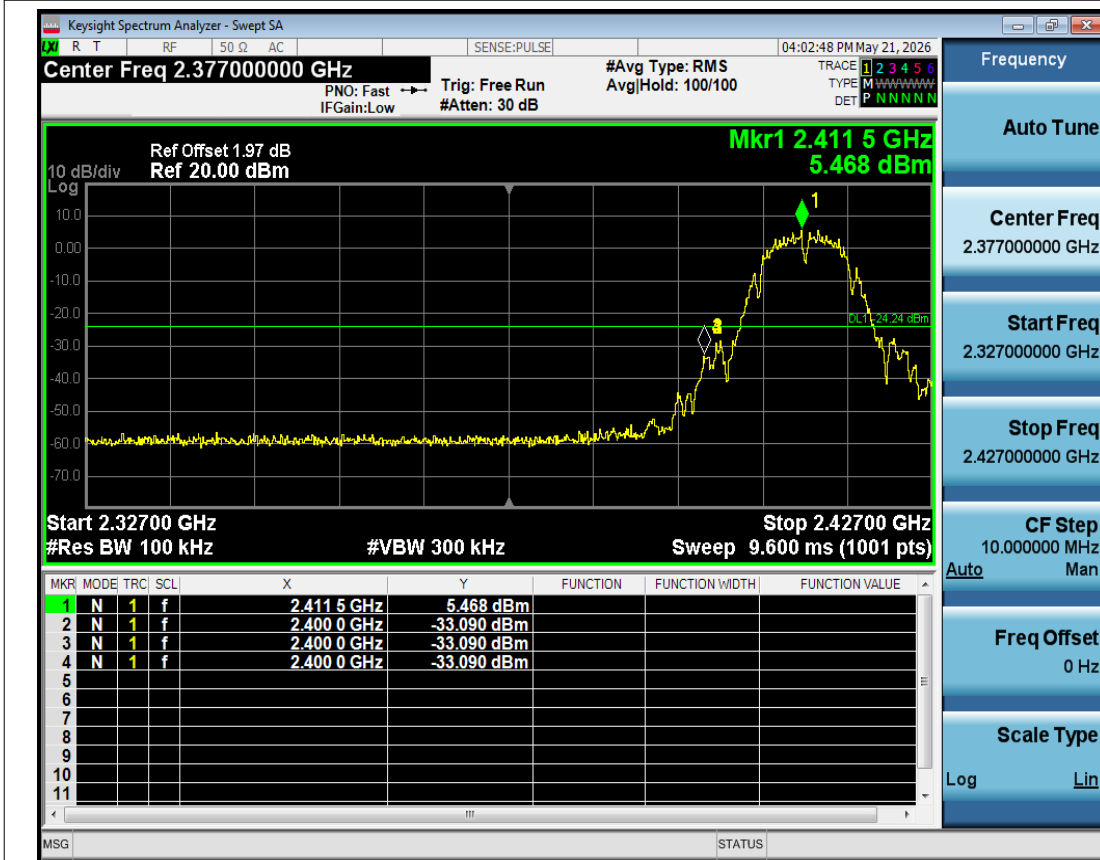


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-38.84	-30	Pass
NVNT	b	2462	Ant1	-59.98	-30	Pass
NVNT	g	2412	Ant1	-31.86	-30	Pass
NVNT	g	2462	Ant1	-41.04	-30	Pass
NVNT	n20	2412	Ant1	-31.37	-30	Pass
NVNT	n20	2462	Ant1	-39.99	-30	Pass



Band Edge NVNT b 2412MHz Ant1 Ref



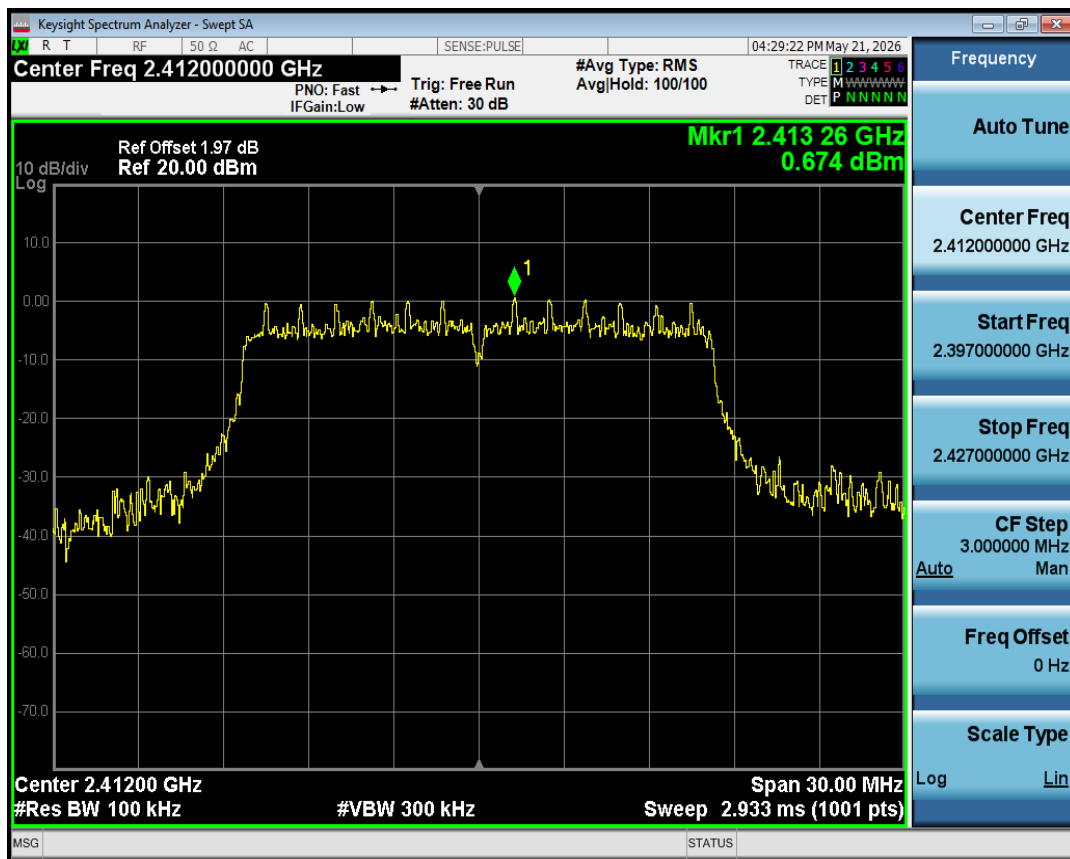
Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission



Band Edge NVNT g 2412MHz Ant1 Ref



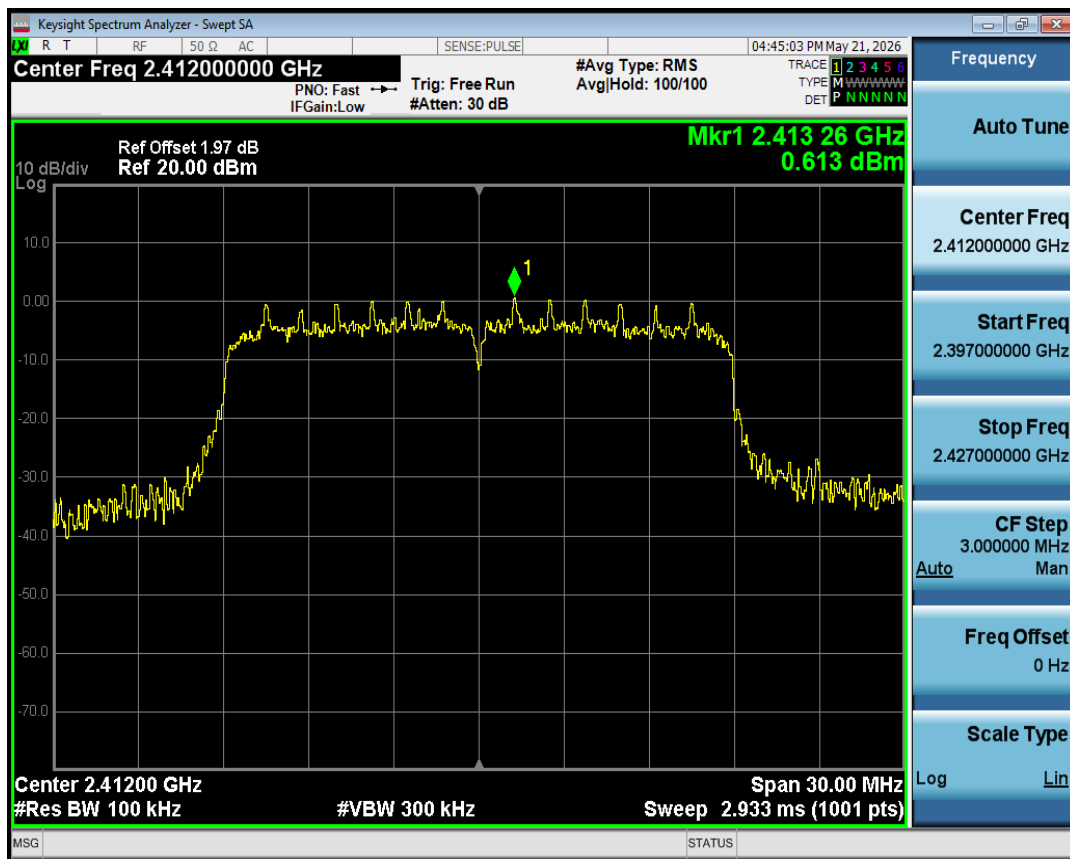
Band Edge NVNT g 2412MHz Ant1 Emission



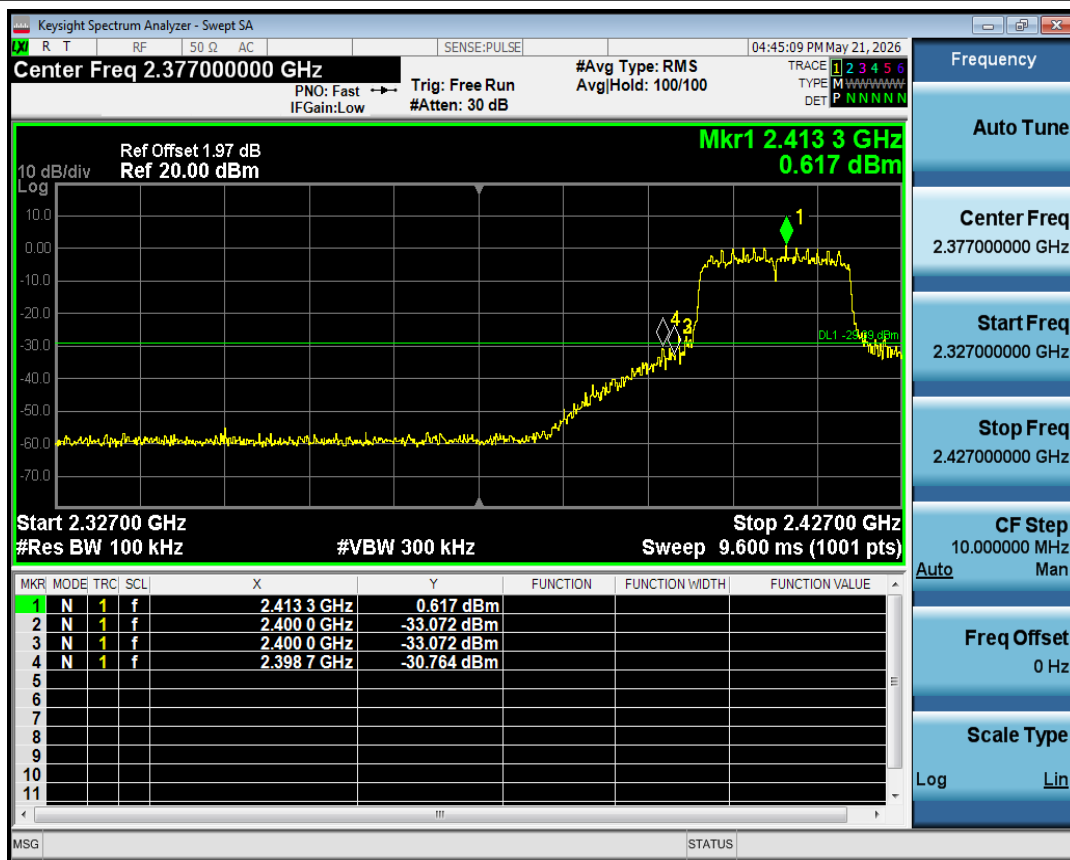
Band Edge NVNT g 2462MHz Ant1 Ref



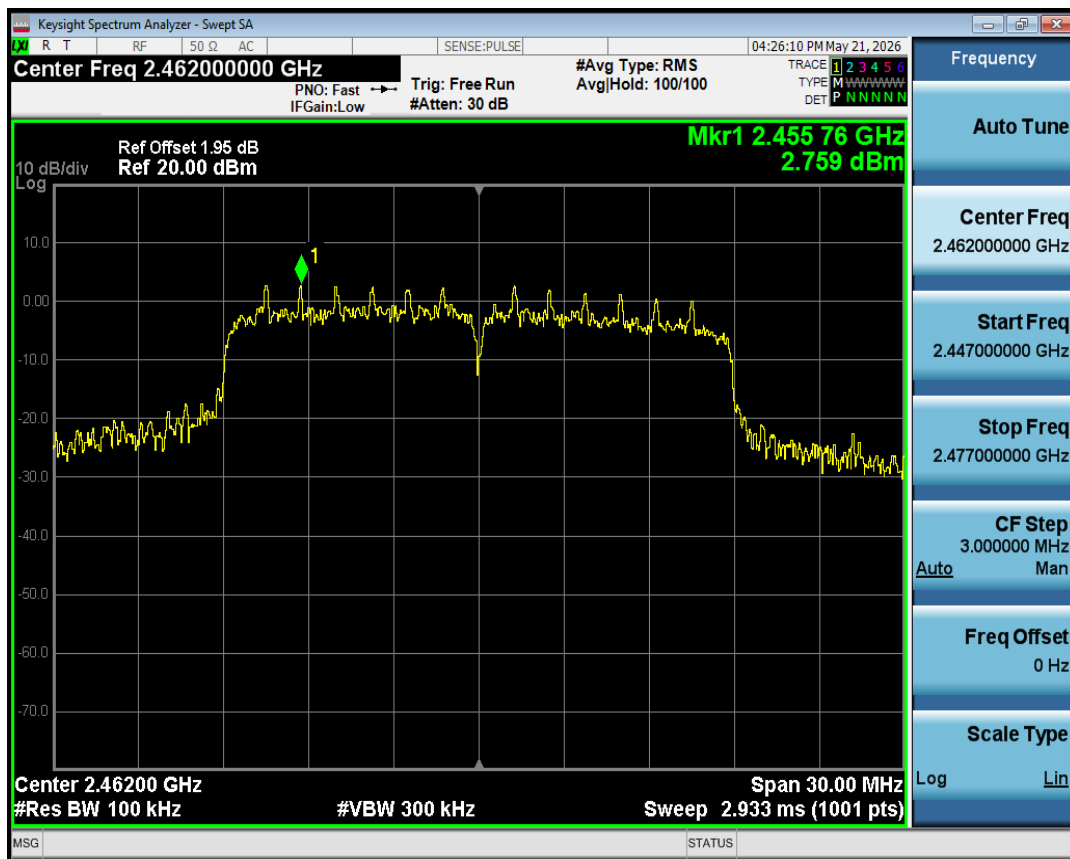
Band Edge NVNT g 2462MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



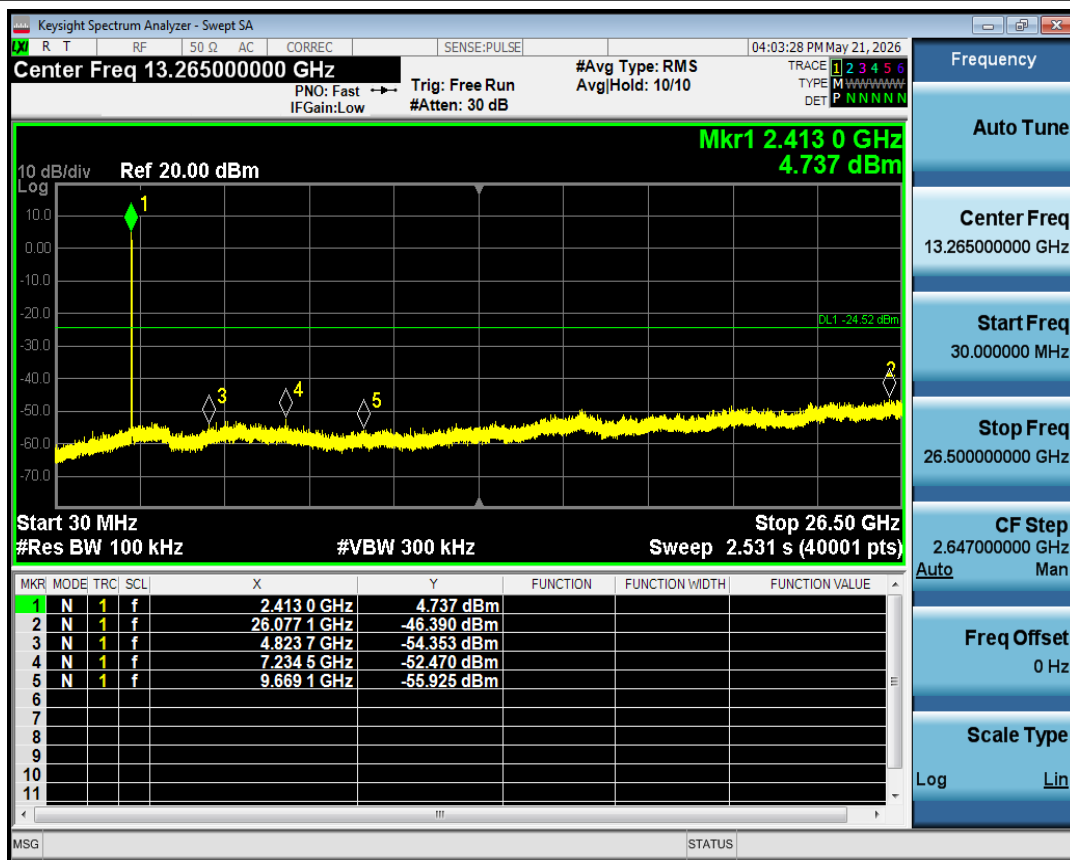
Band Edge NVNT n20 2462MHz Ant1 Emission

Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-51.86	-30	Pass
NVNT	b	2437	Ant1	-48.99	-30	Pass
NVNT	b	2462	Ant1	-51.04	-30	Pass
NVNT	g	2412	Ant1	-48.65	-30	Pass
NVNT	g	2437	Ant1	-47.17	-30	Pass
NVNT	g	2462	Ant1	-49.3	-30	Pass
NVNT	n20	2412	Ant1	-48.77	-30	Pass
NVNT	n20	2437	Ant1	-47.49	-30	Pass
NVNT	n20	2462	Ant1	-49.35	-30	Pass



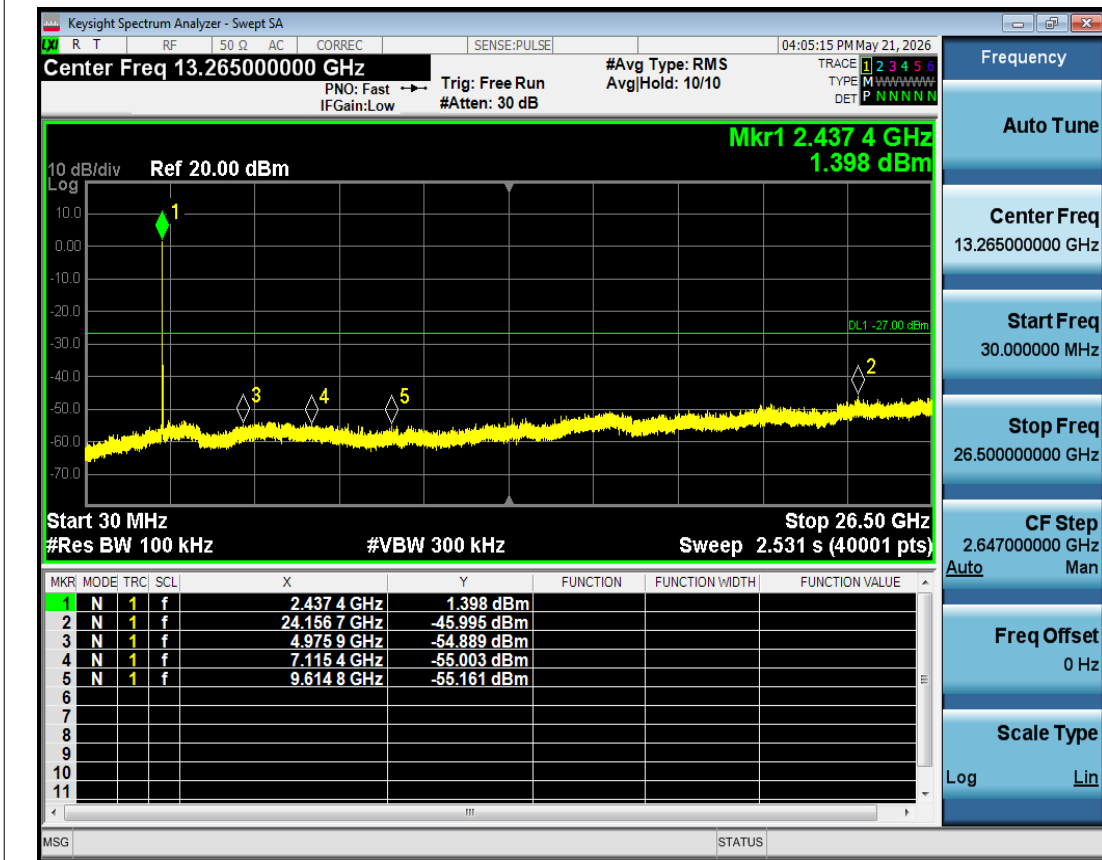
Tx. Spurious NVNT b 2412MHz Ant1 Ref



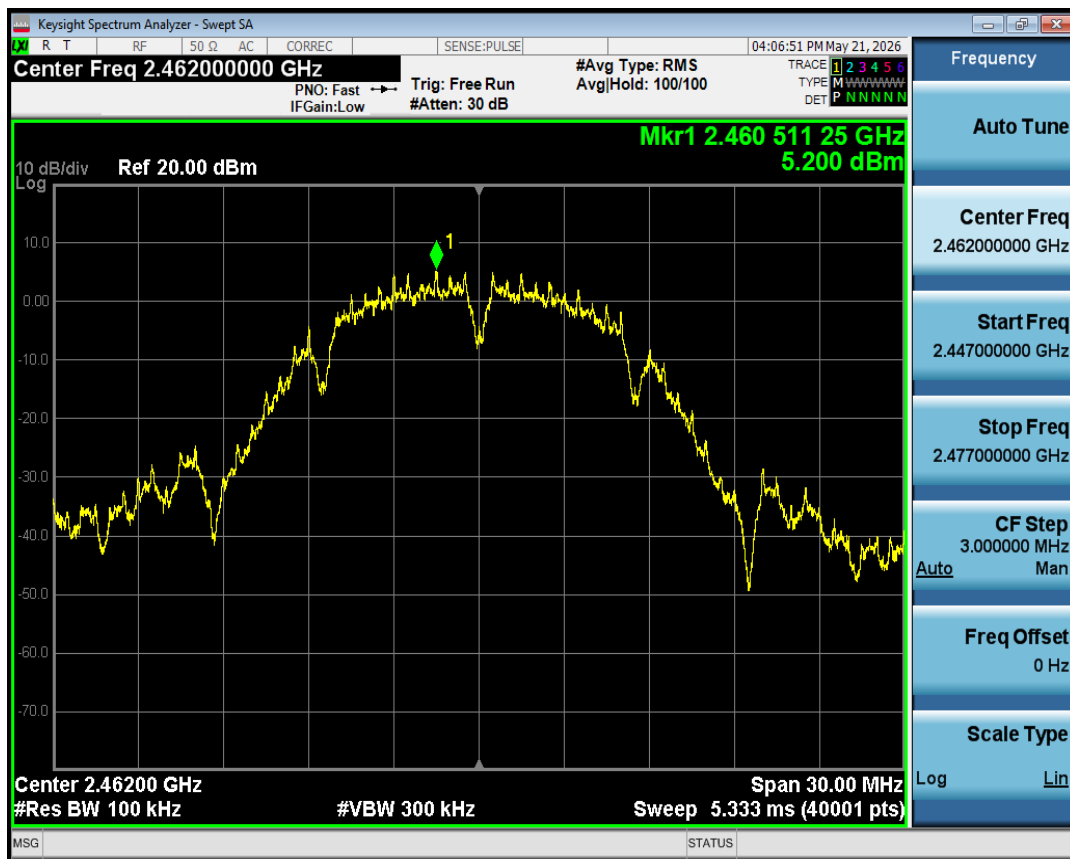
Tx. Spurious NVNT b 2412MHz Ant1 Emission



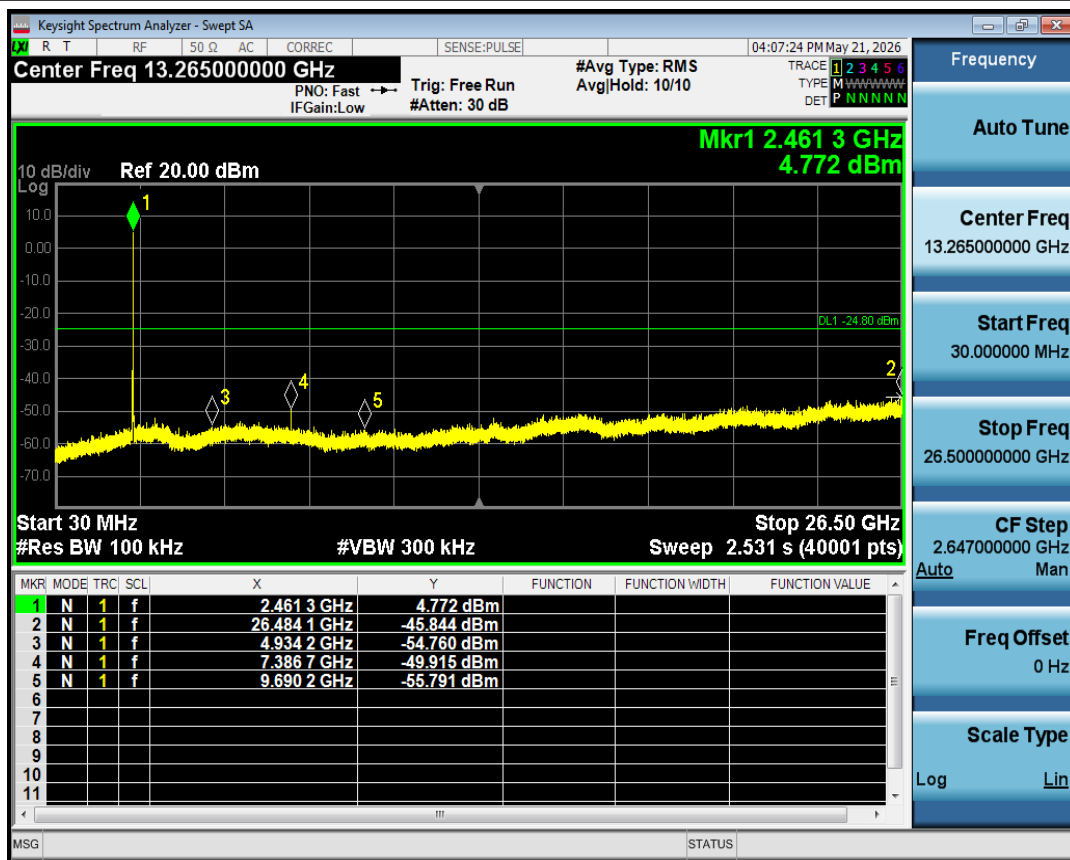
Tx. Spurious NVNT b 2437MHz Ant1 Ref



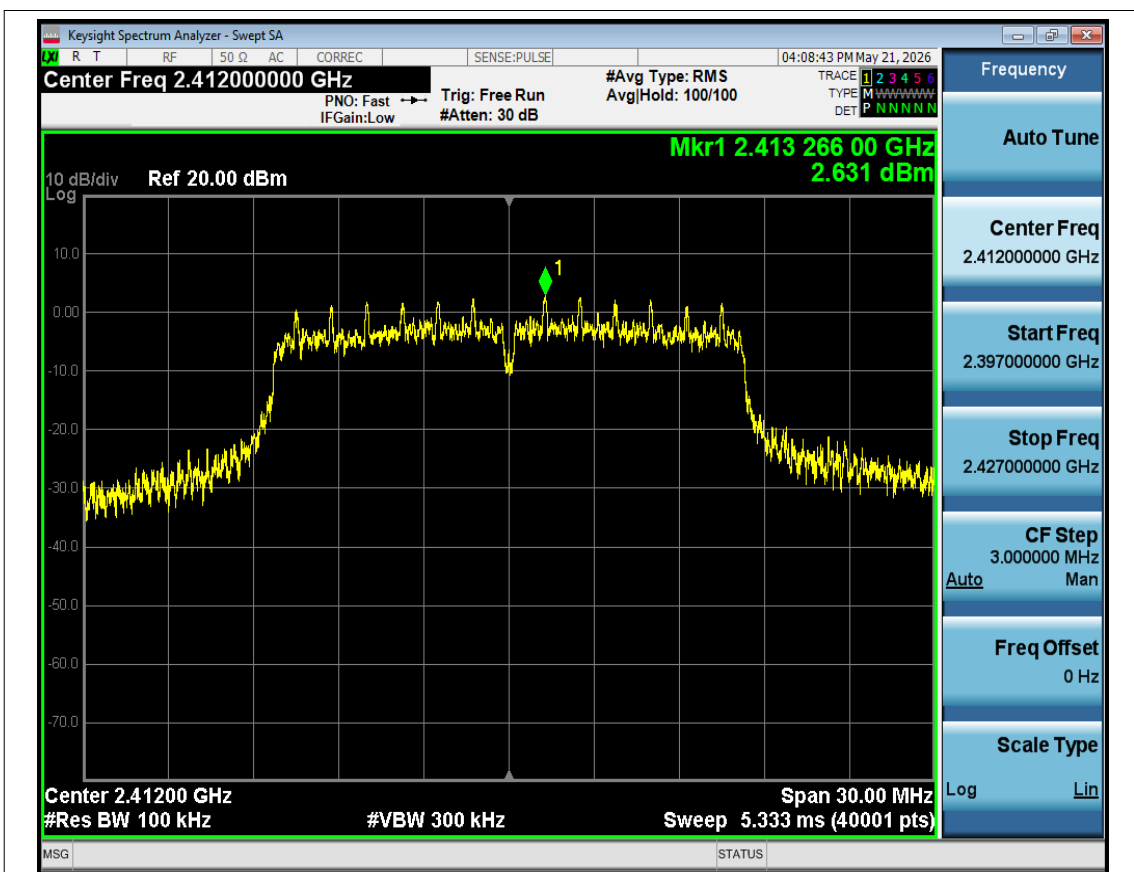
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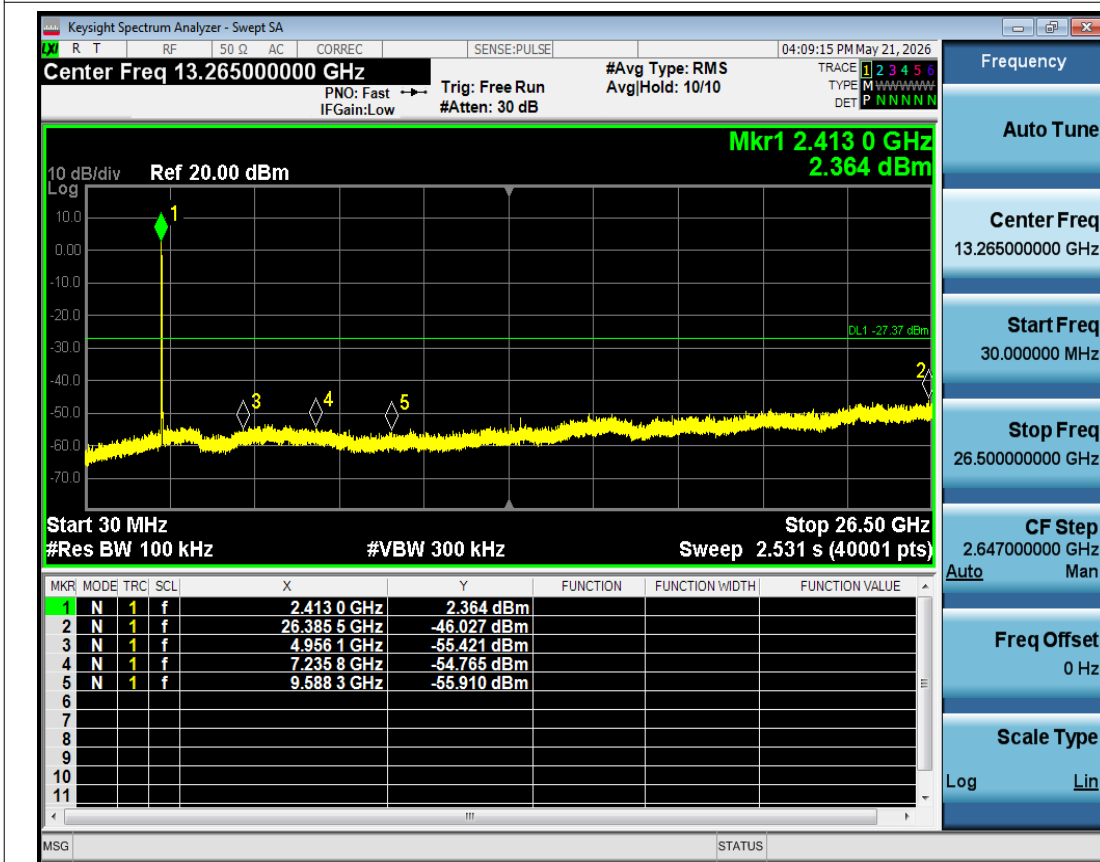
Tx. Spurious NVNT b 2462MHz Ant1 Ref



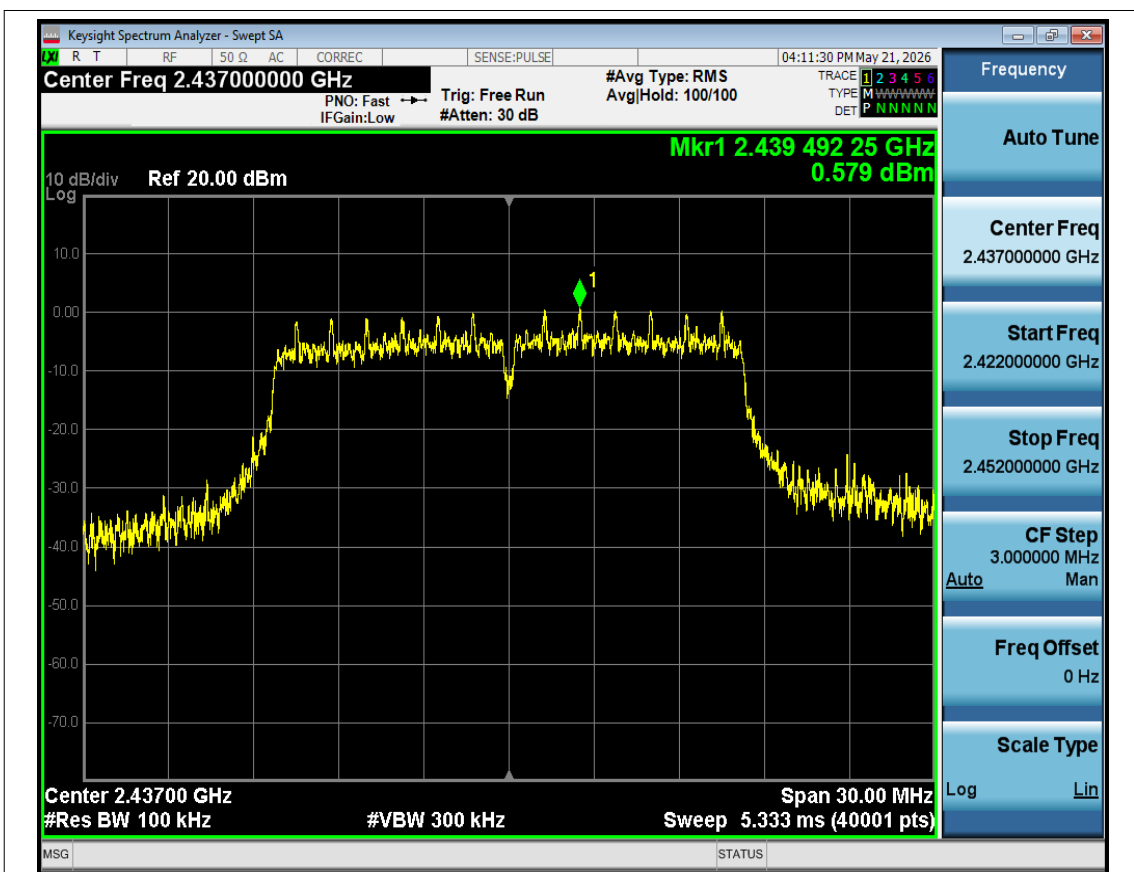
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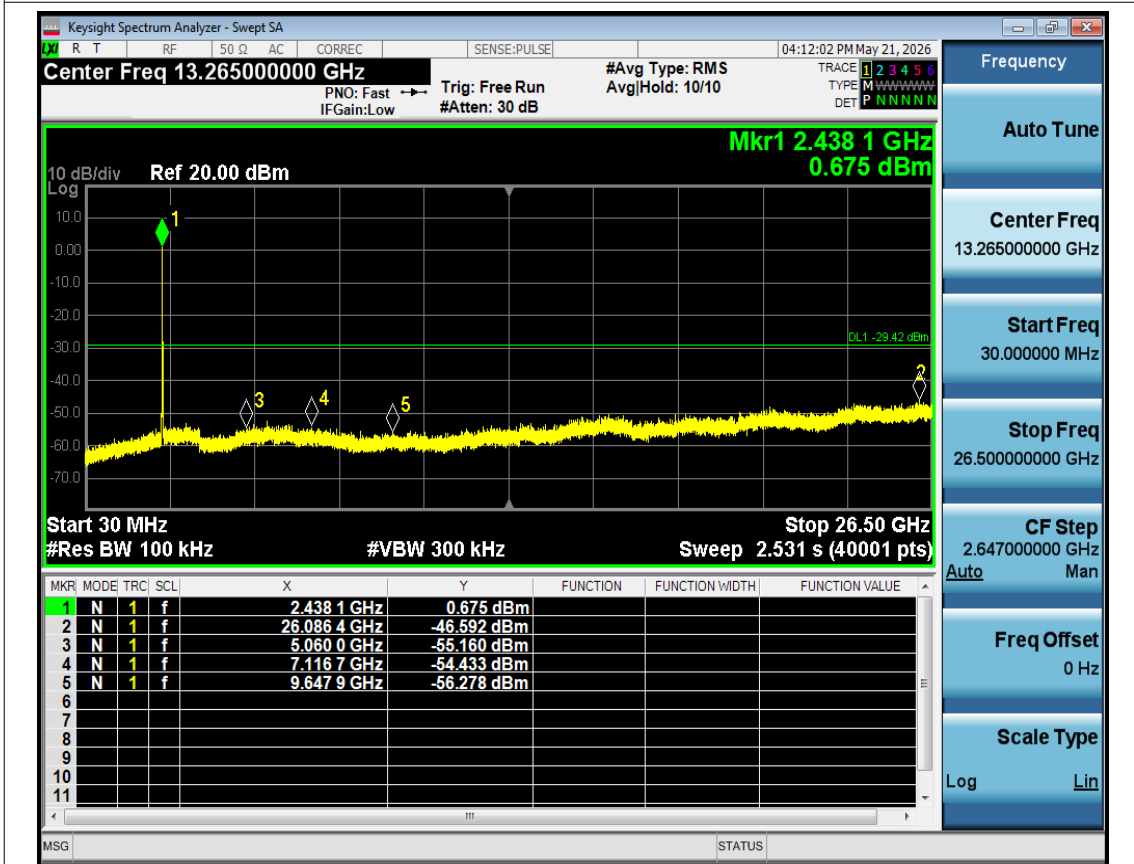
Tx. Spurious NVNT g 2412MHz Ant1 Ref



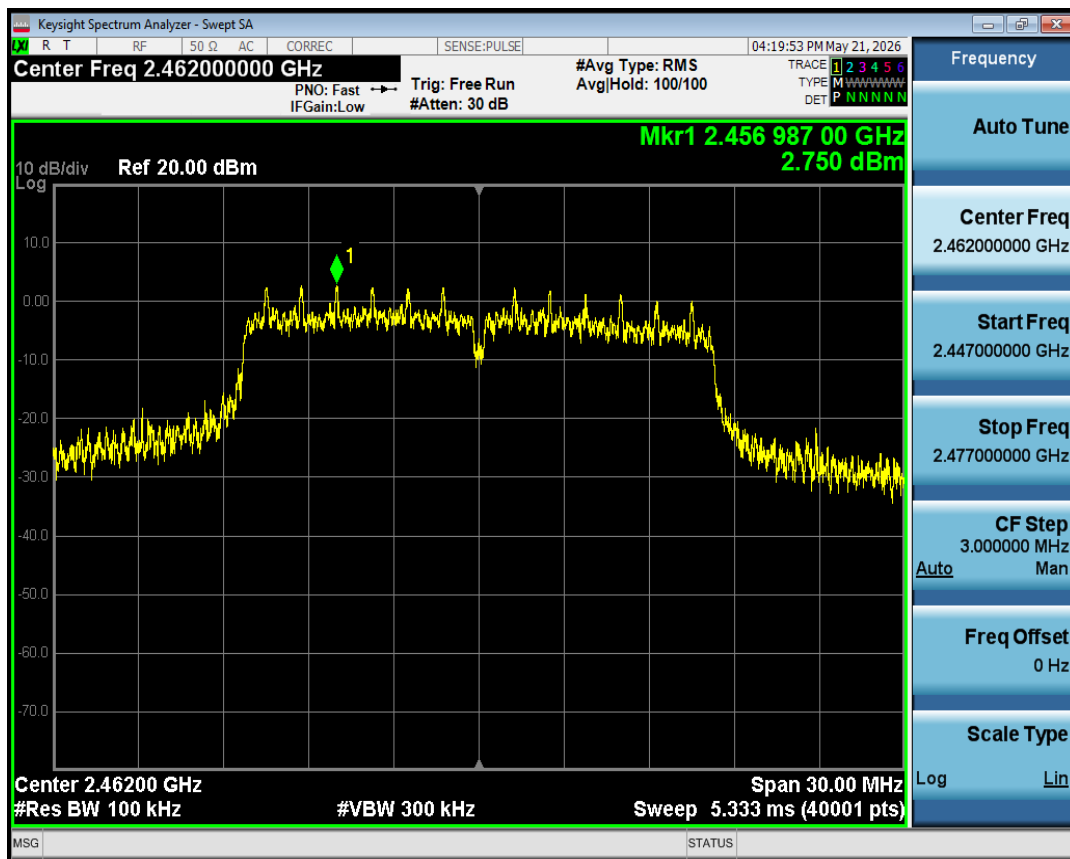
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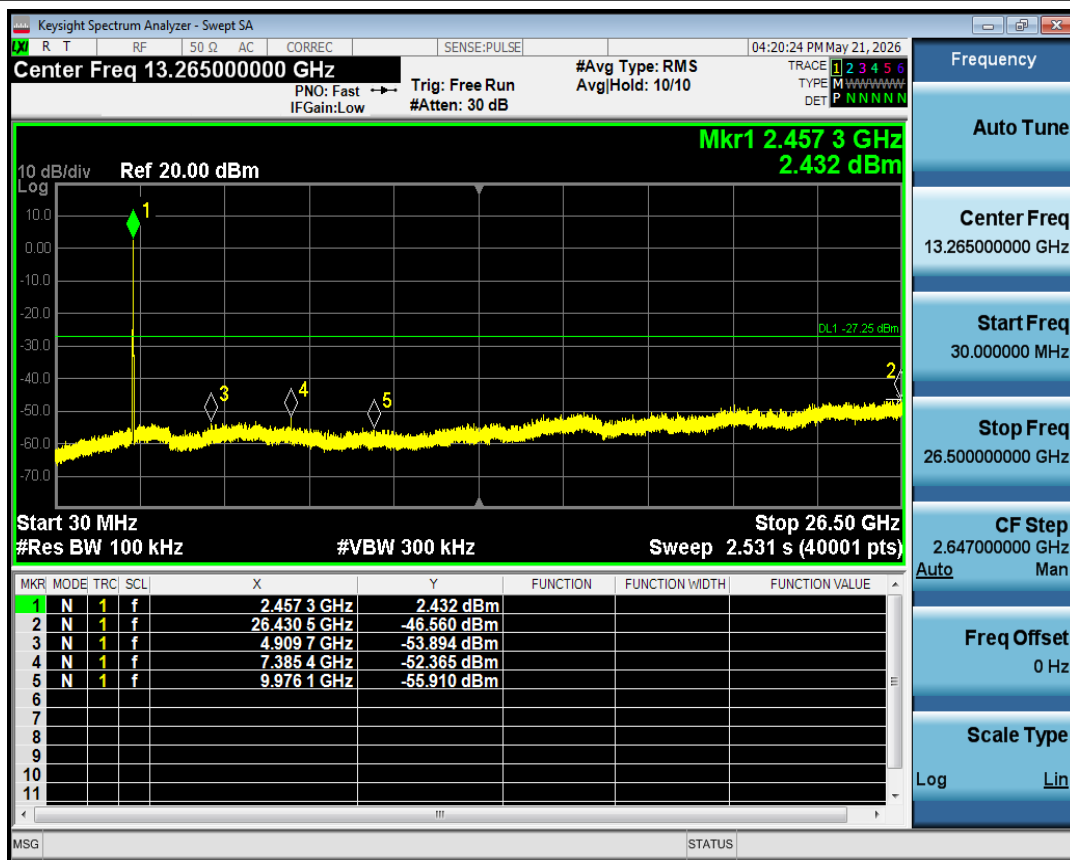
Tx. Spurious NVNT g 2437MHz Ant1 Ref



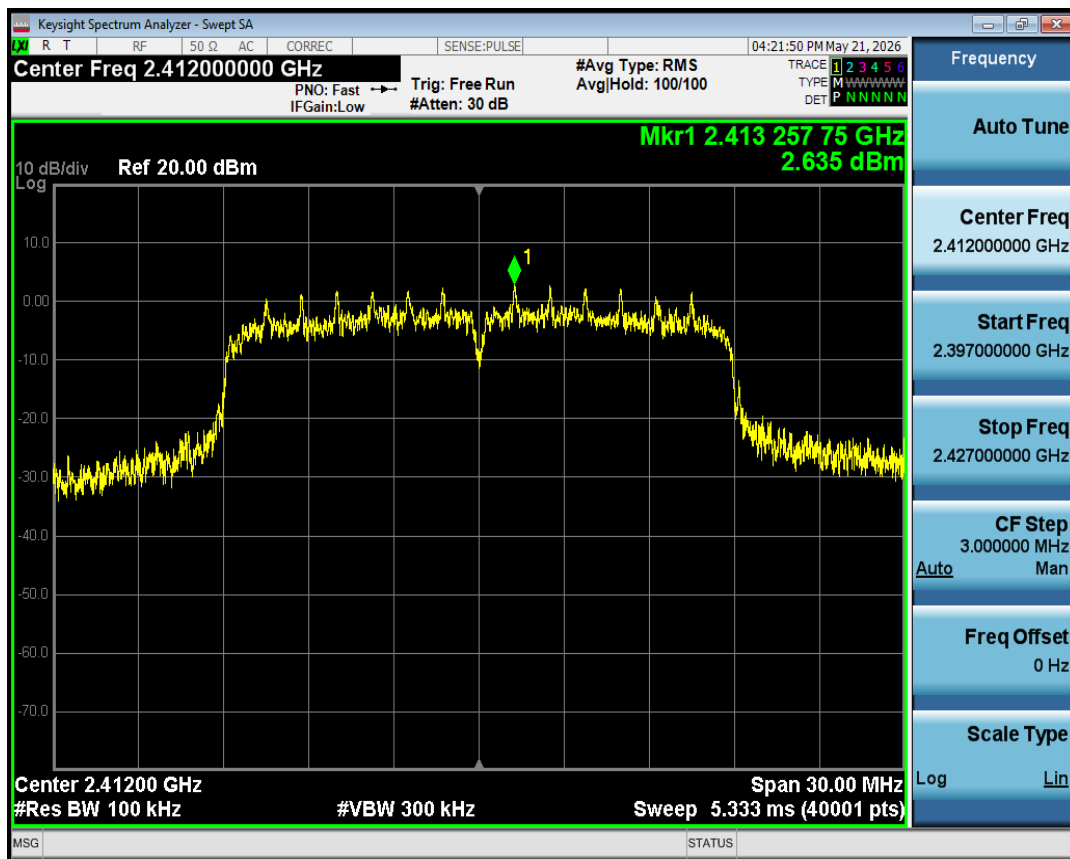
Tx. Spurious NVNT g 2437MHz Ant1 Emission



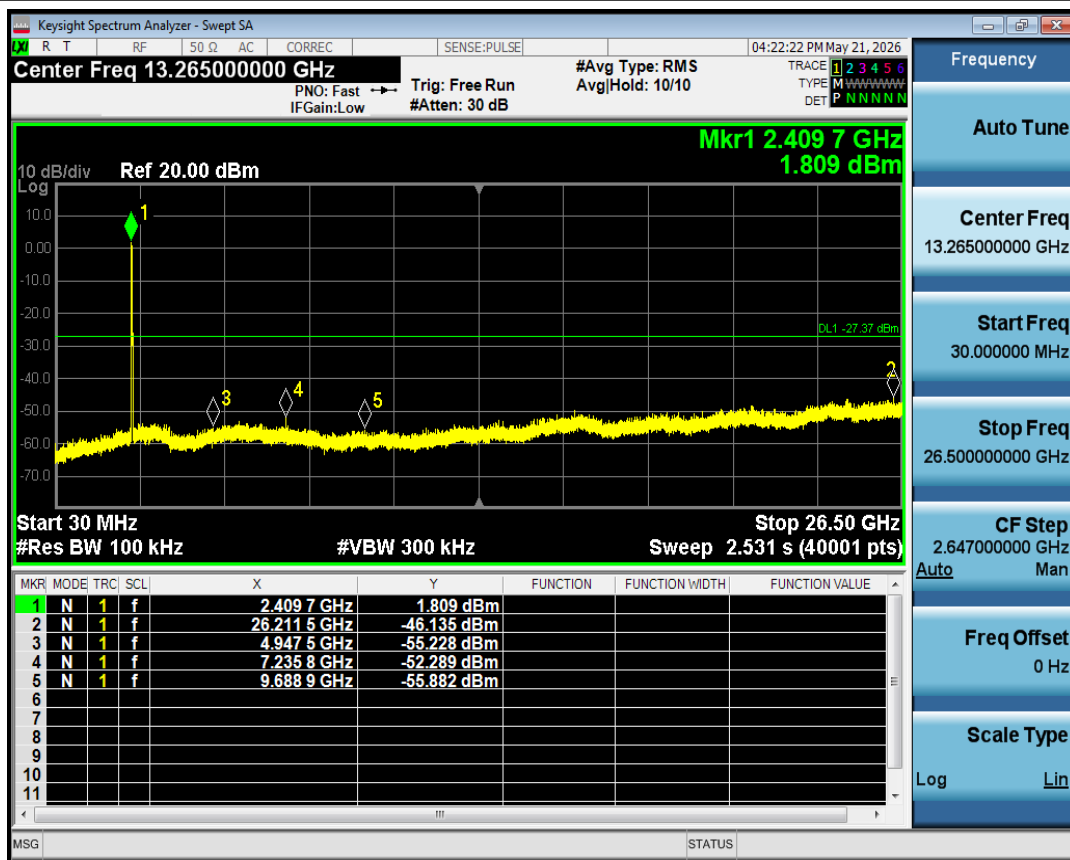
Tx. Spurious NVNT g 2462MHz Ant1 Ref



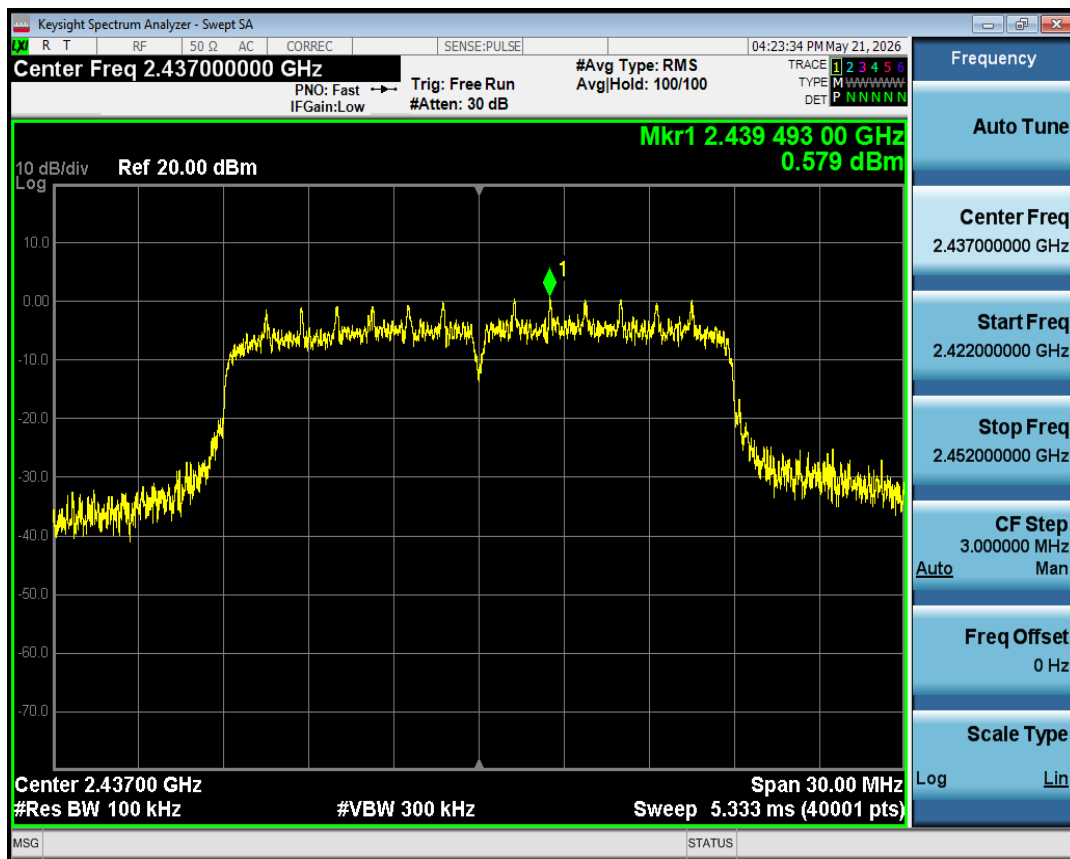
Tx. Spurious NVNT g 2462MHz Ant1 Emission



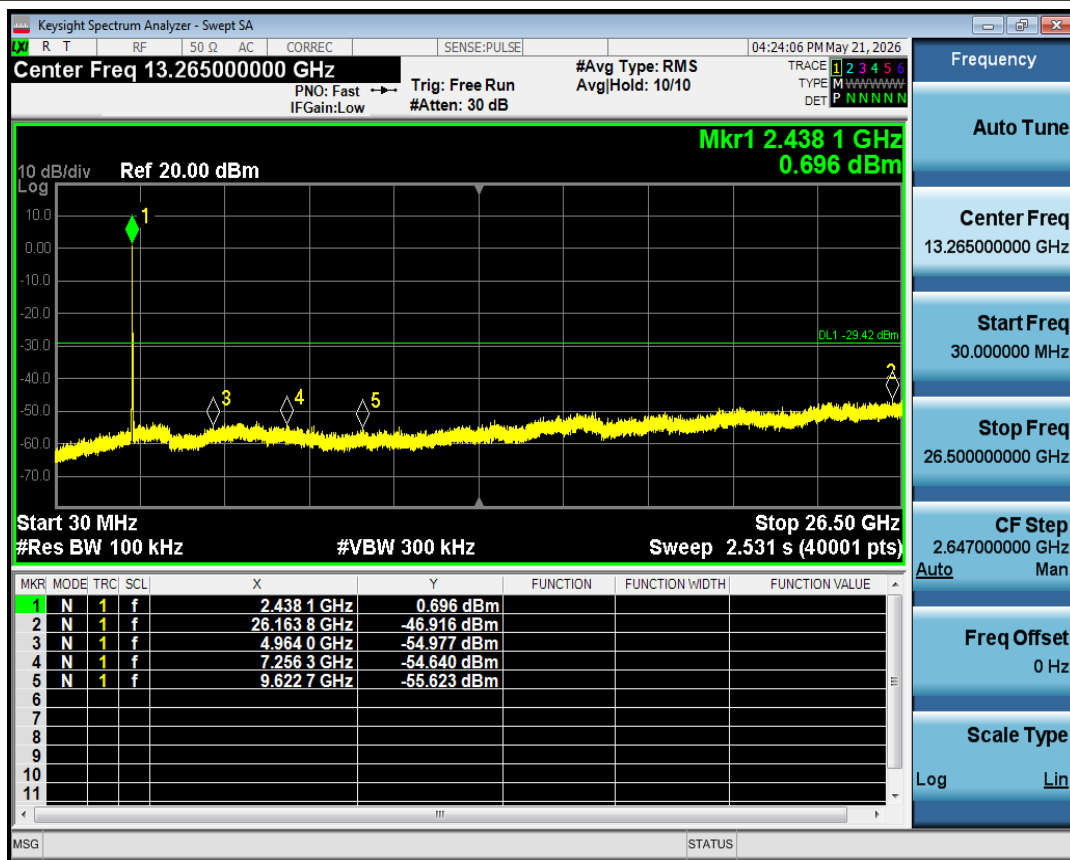
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



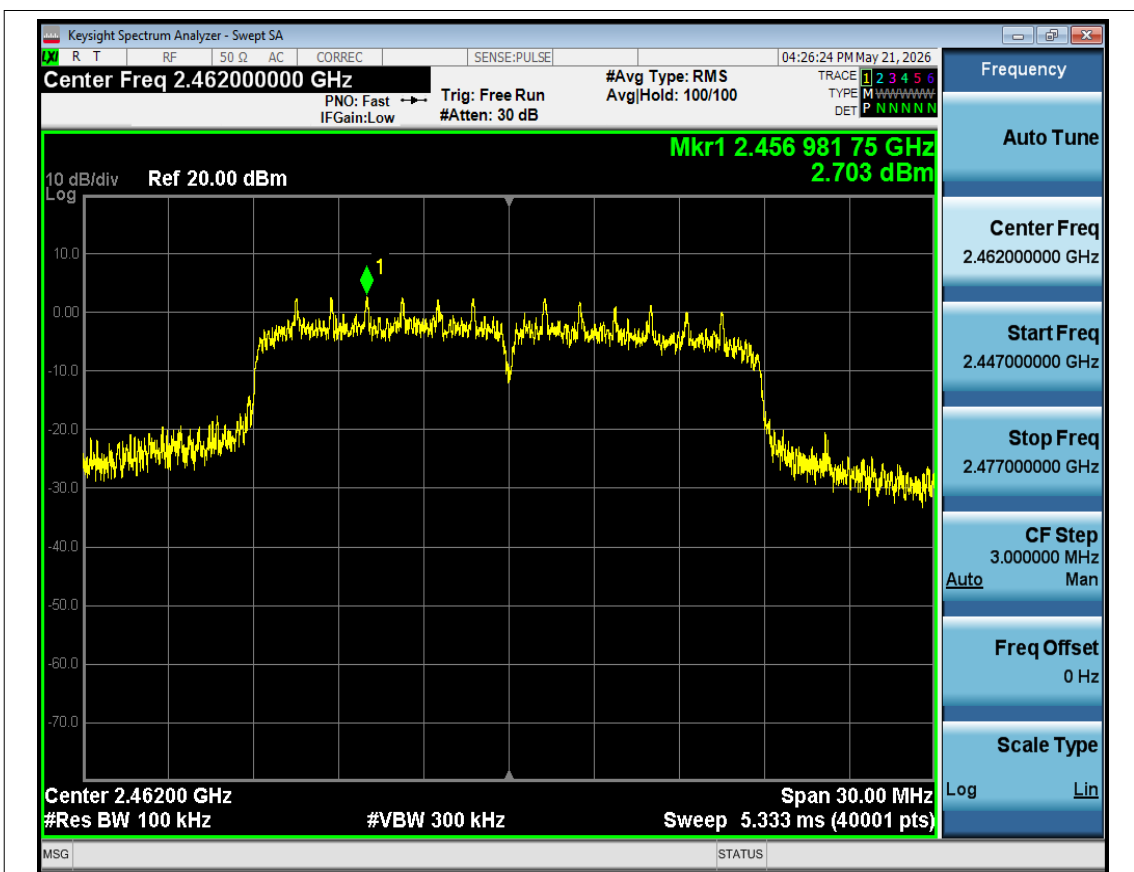
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



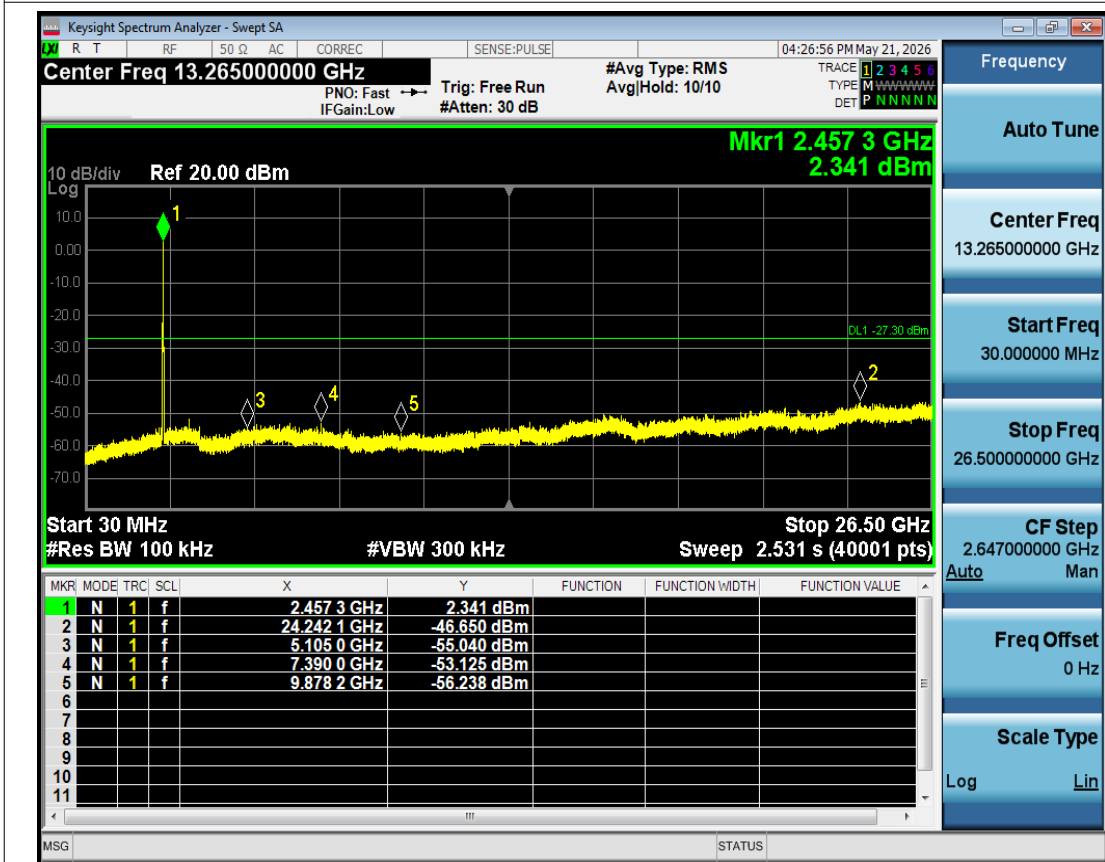
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Tx. Spurious NVNT n20 2462MHz Ant1 Emission