

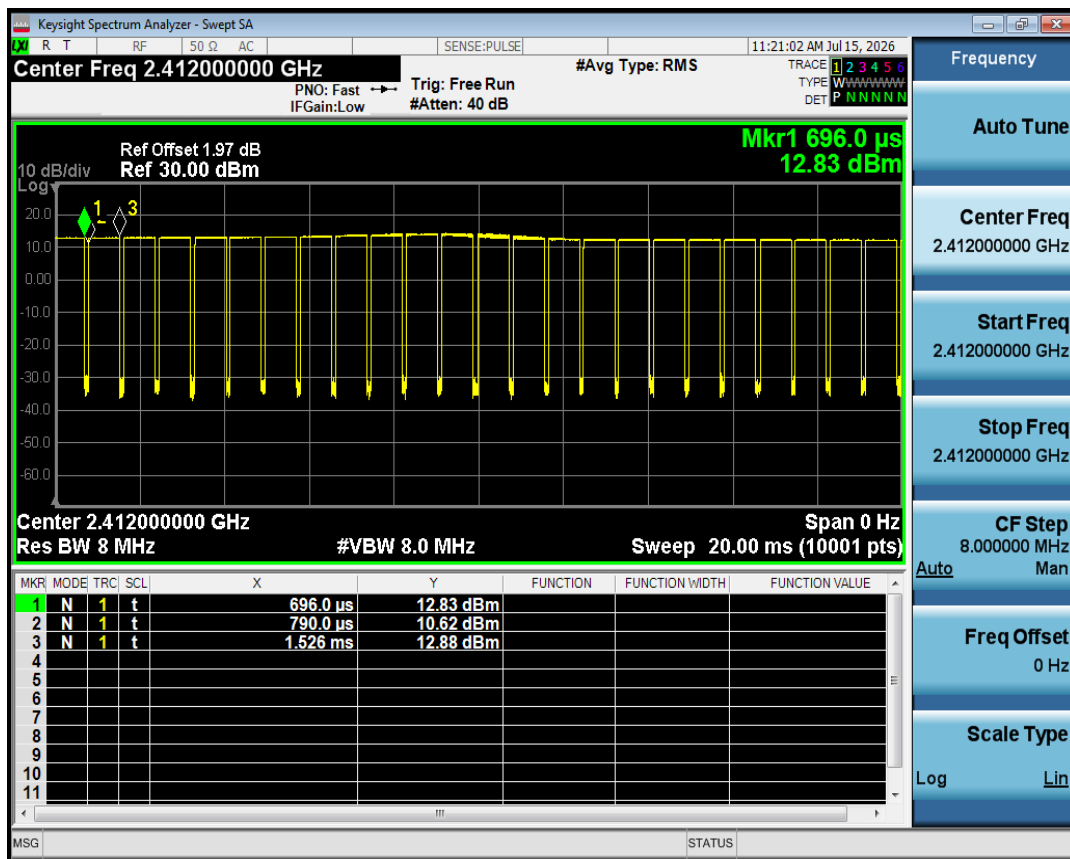
RF Test Data

FCC ID:2BW6T-AIN01

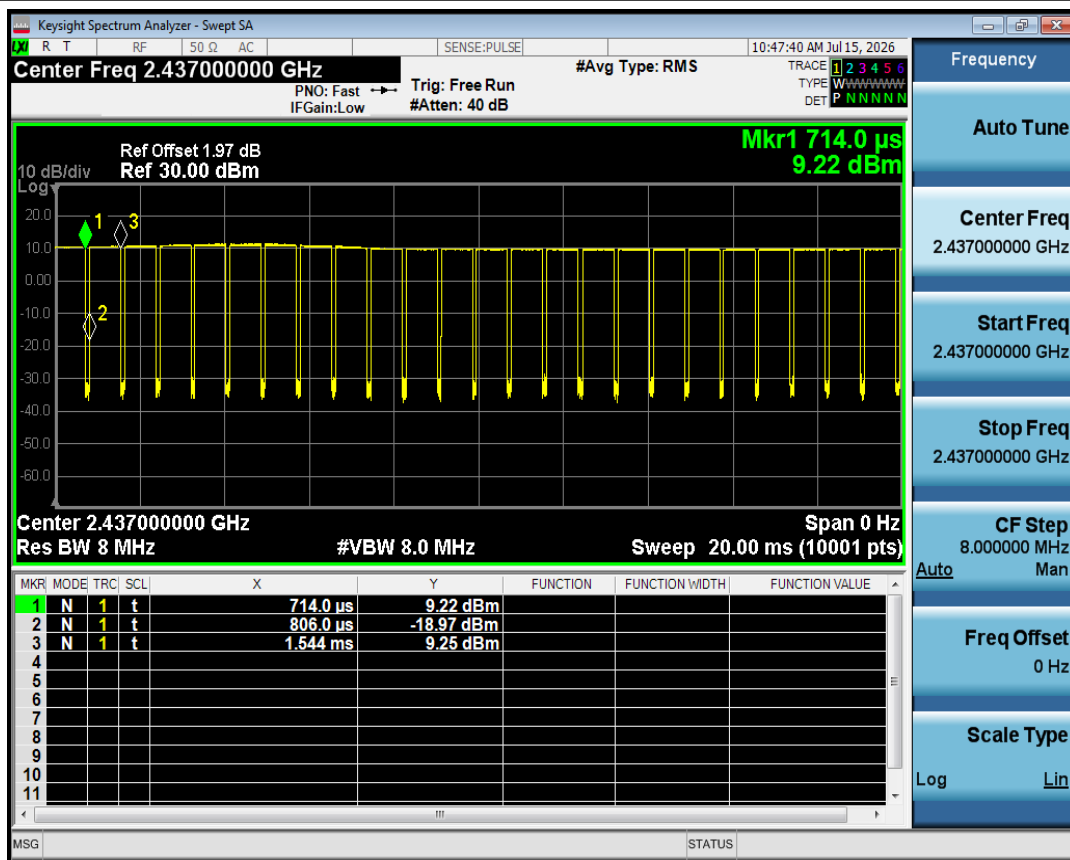
Duty Cycle	2
Maximum Average Conducted Output Power	9
-6dB Bandwidth	16
Occupied Channel Bandwidth	23
Maximum Power Spectral Density Level	30
Band Edge	37
Conducted RF Spurious Emission	46

Duty Cycle

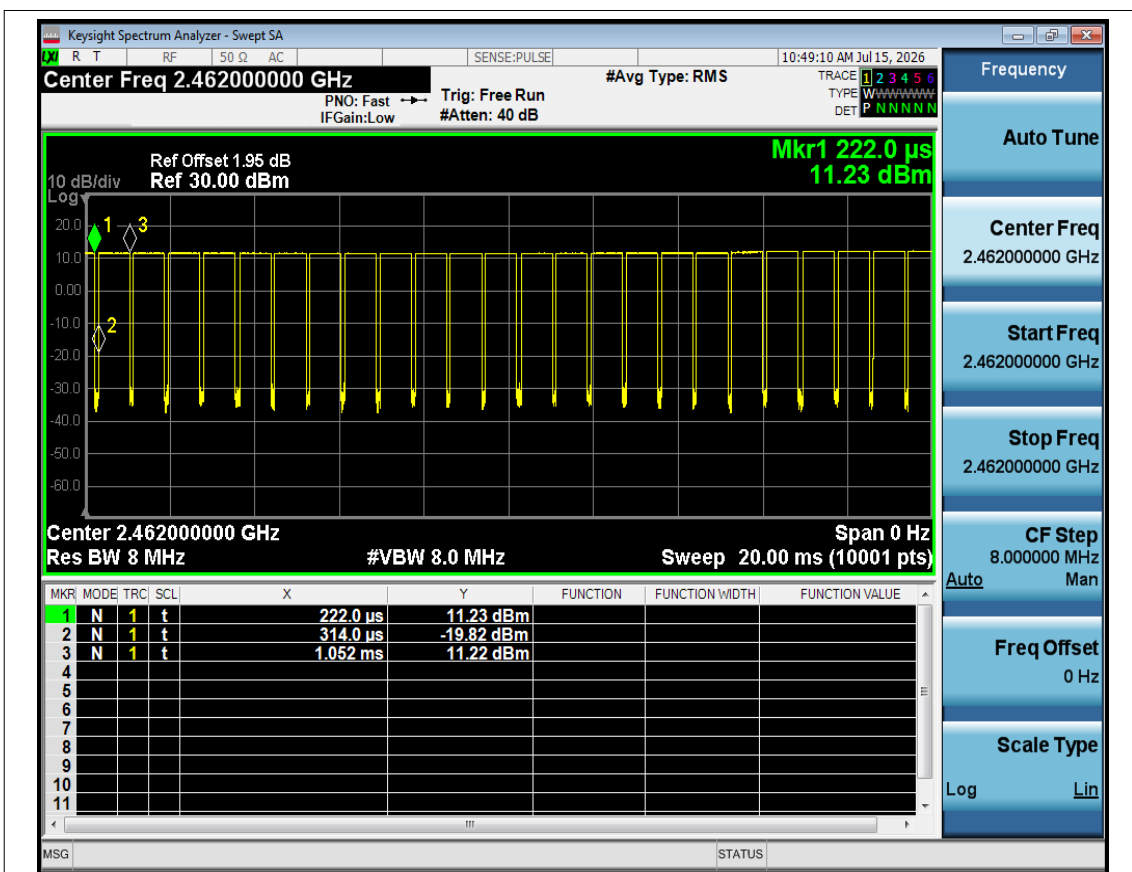
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	88.67	0.52	1.36
NVNT	b	2437	Ant1	88.92	0.51	1.36
NVNT	b	2462	Ant1	88.92	0.51	1.36
NVNT	g	2412	Ant1	56.31	2.49	8.62
NVNT	g	2437	Ant1	56.31	2.49	8.62
NVNT	g	2462	Ant1	56.42	2.49	8.58
NVNT	n20	2412	Ant1	56.34	2.49	8.66
NVNT	n20	2437	Ant1	56.34	2.49	8.66
NVNT	n20	2462	Ant1	56.1	2.51	8.7
NVNT	n40	2422	Ant1	41.53	3.82	13.16
NVNT	n40	2437	Ant1	45.76	3.4	13.25
NVNT	n40	2452	Ant1	45.76	3.4	13.25



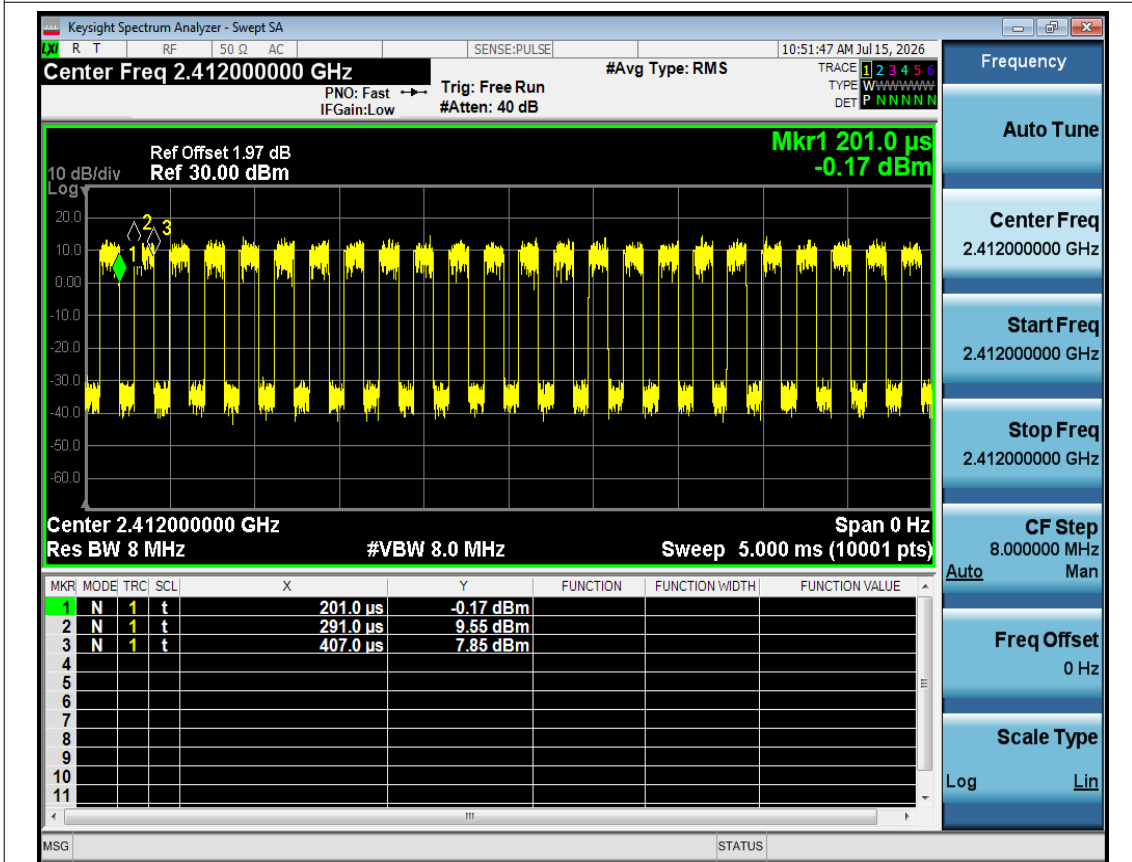
Duty Cycle NVNT b 2412MHz Ant1



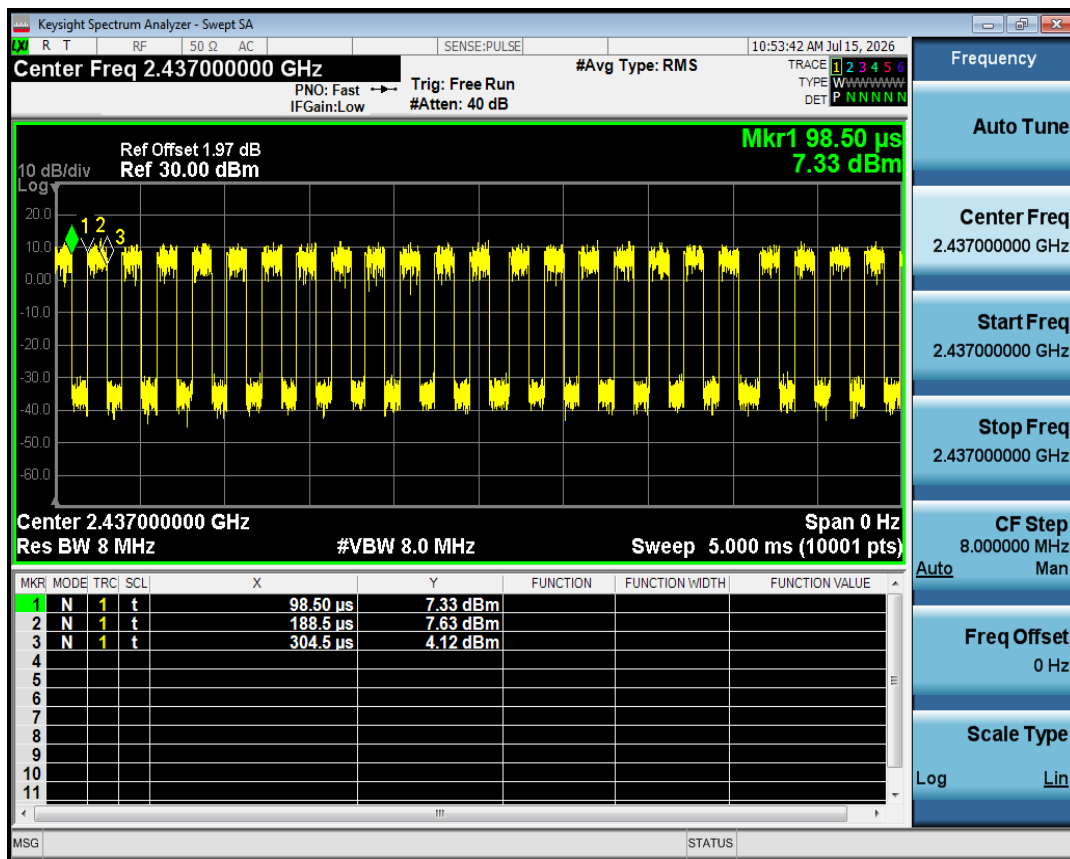
Duty Cycle NVNT b 2437MHz Ant1



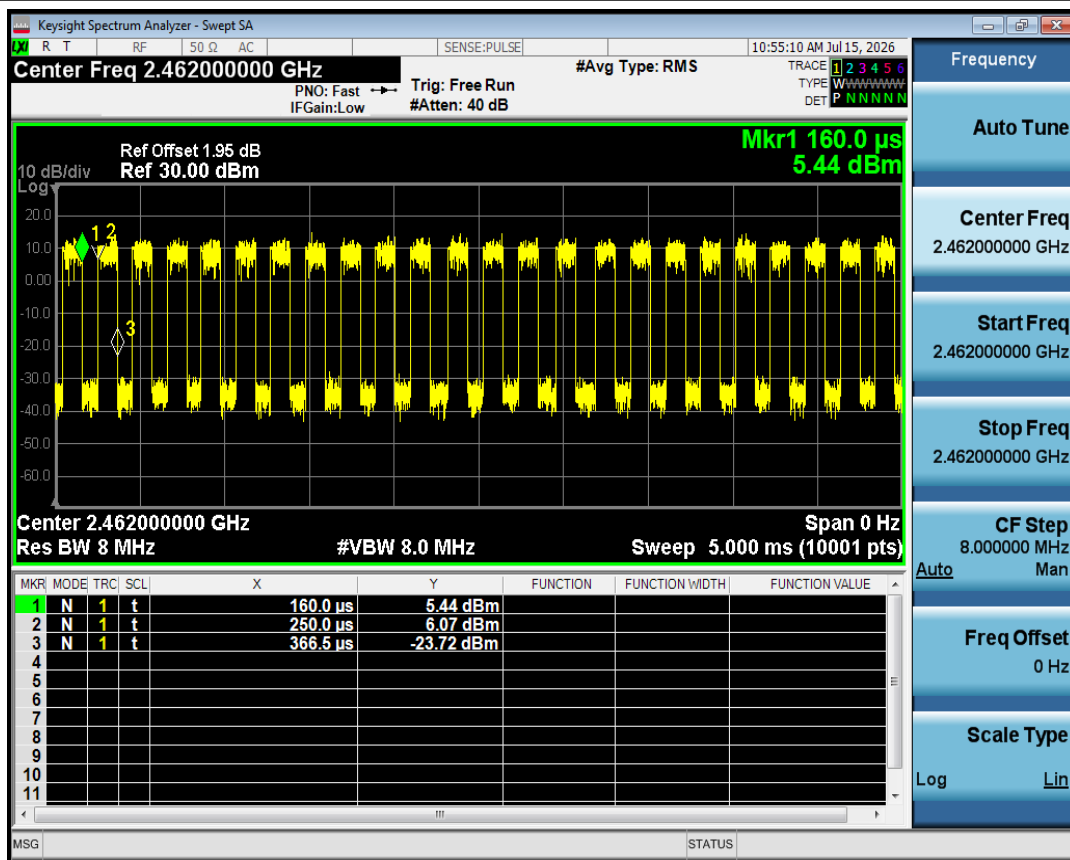
Duty Cycle NVNT b 2462MHz Ant1



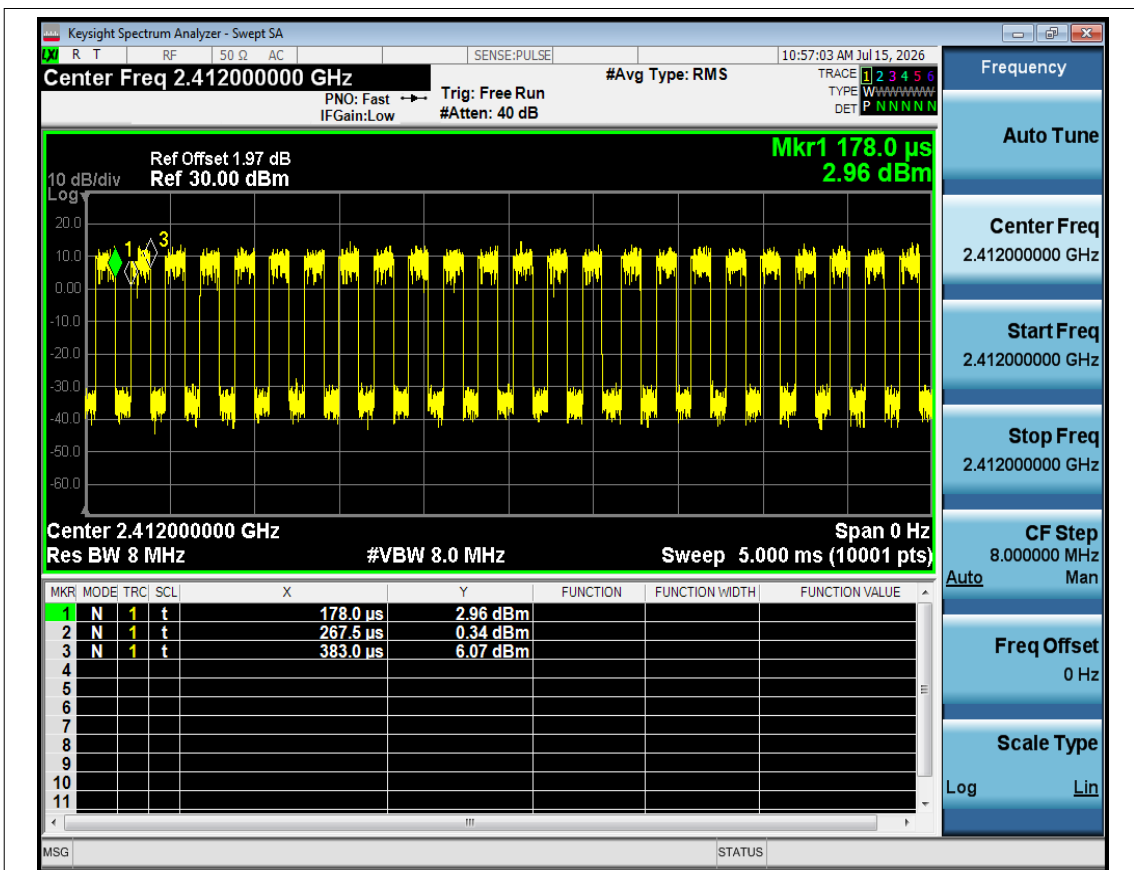
Duty Cycle NVNT g 2412MHz Ant1



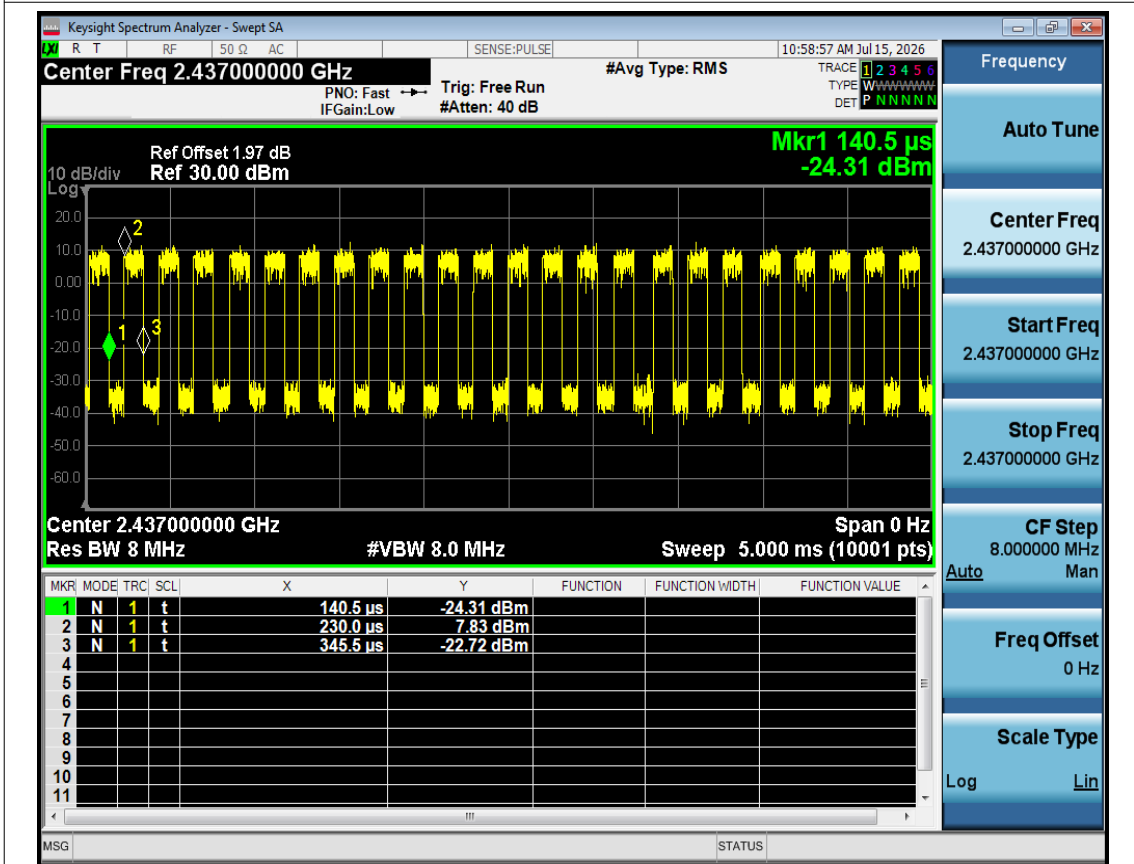
Duty Cycle NVNT g 2437MHz Ant1



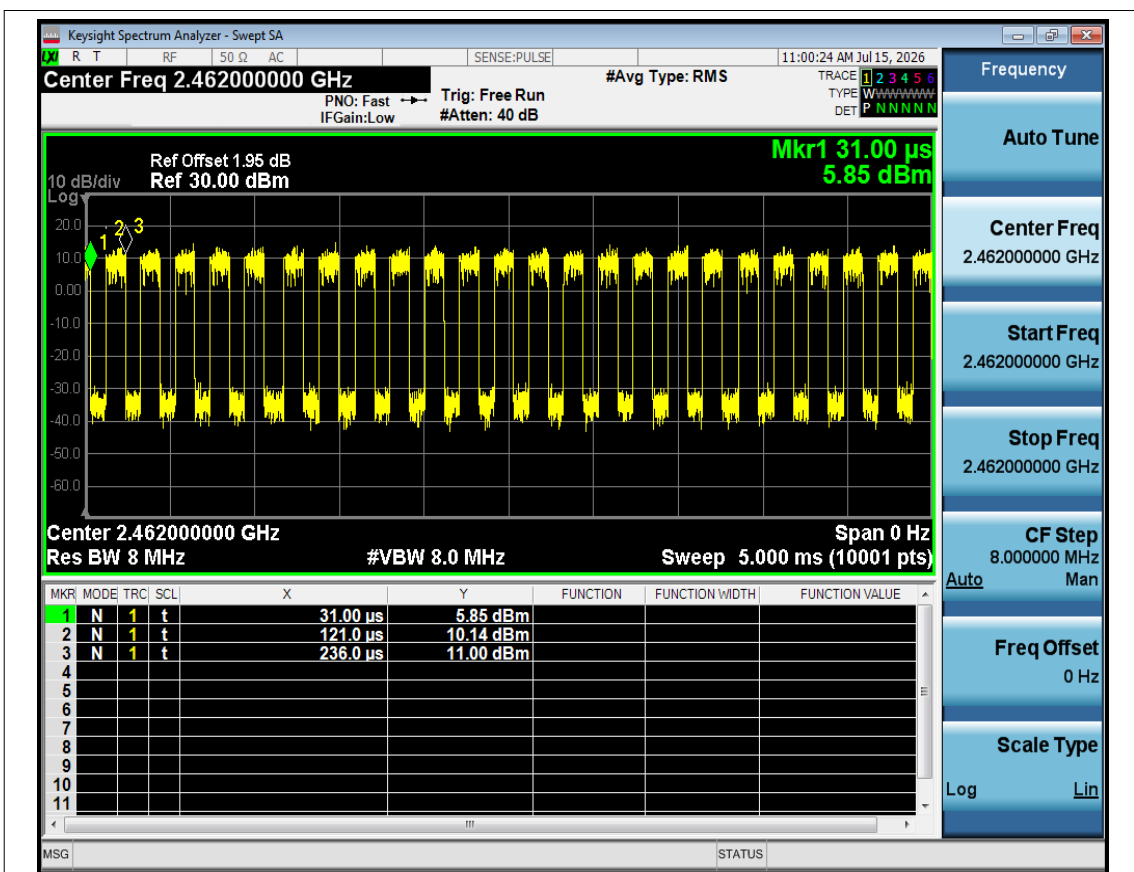
Duty Cycle NVNT g 2462MHz Ant1



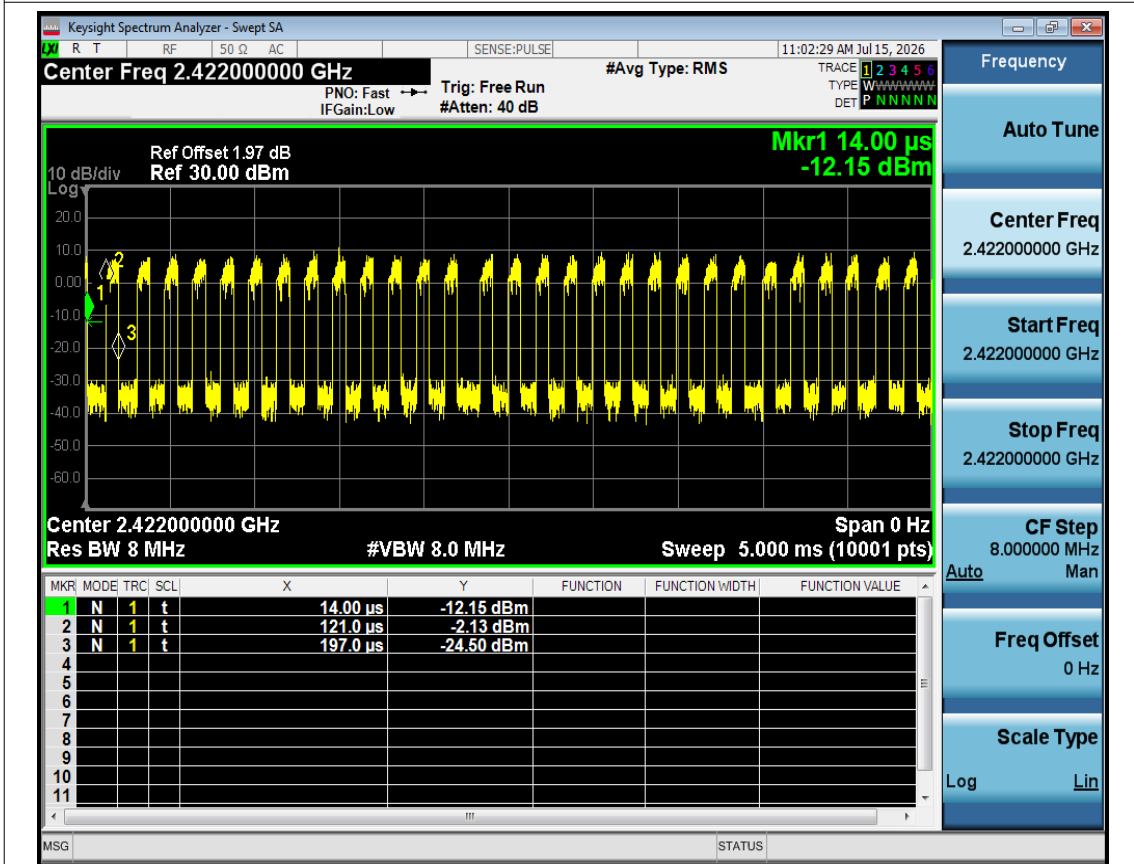
Duty Cycle NVNT n20 2412MHz Ant1



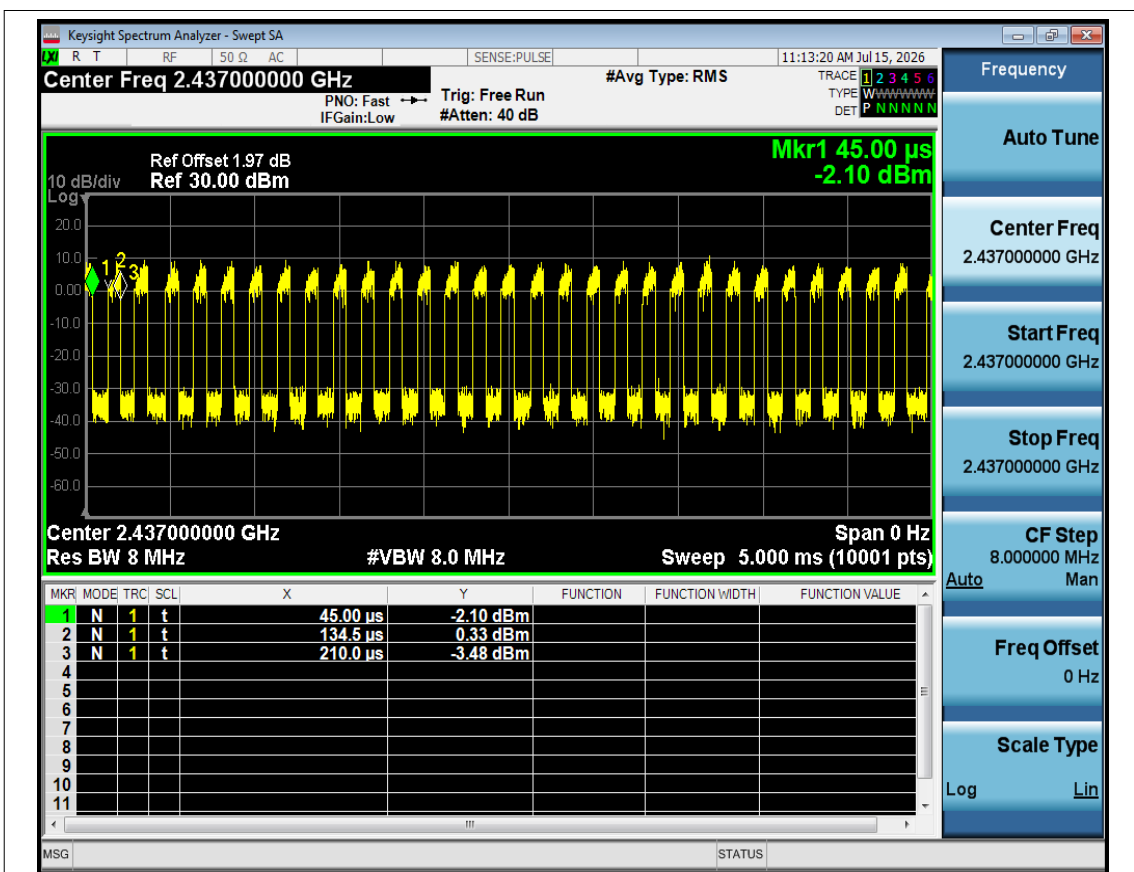
Duty Cycle NVNT n20 2437MHz Ant1



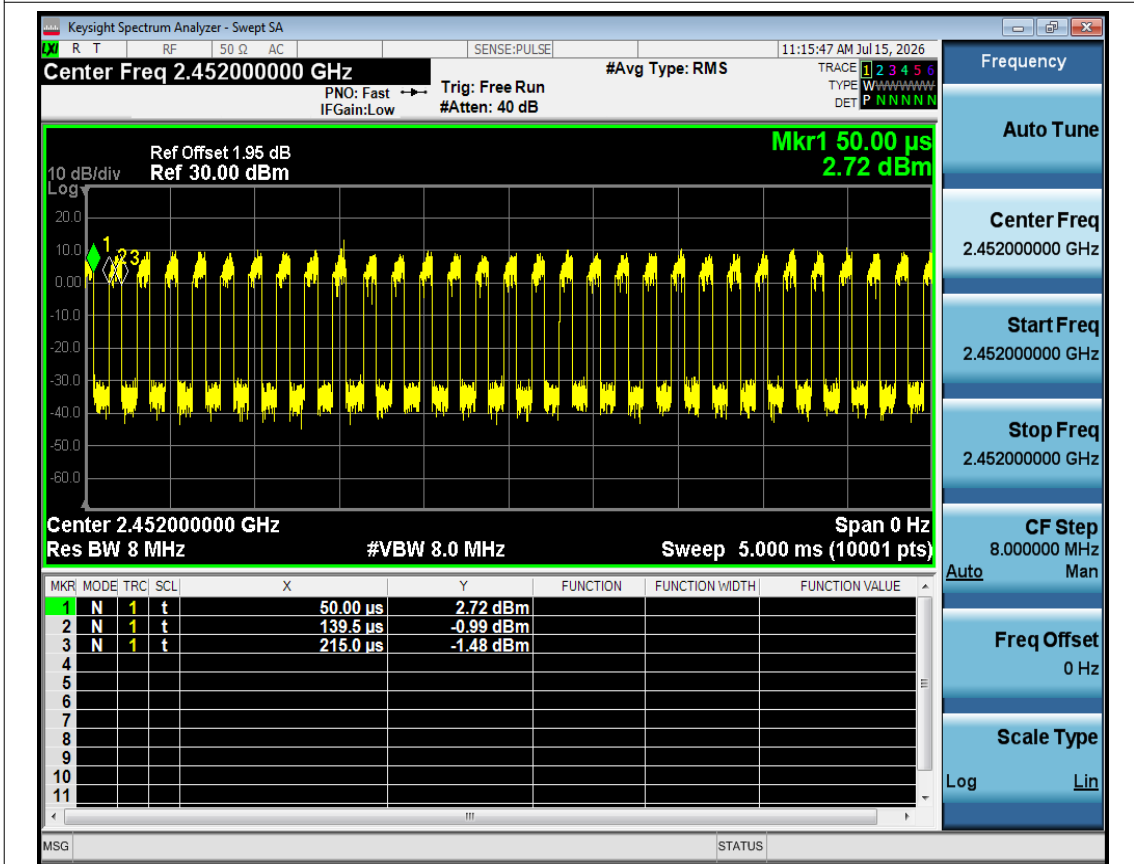
Duty Cycle NVNT n20 2462MHz Ant1



Duty Cycle NVNT n40 2422MHz Ant1



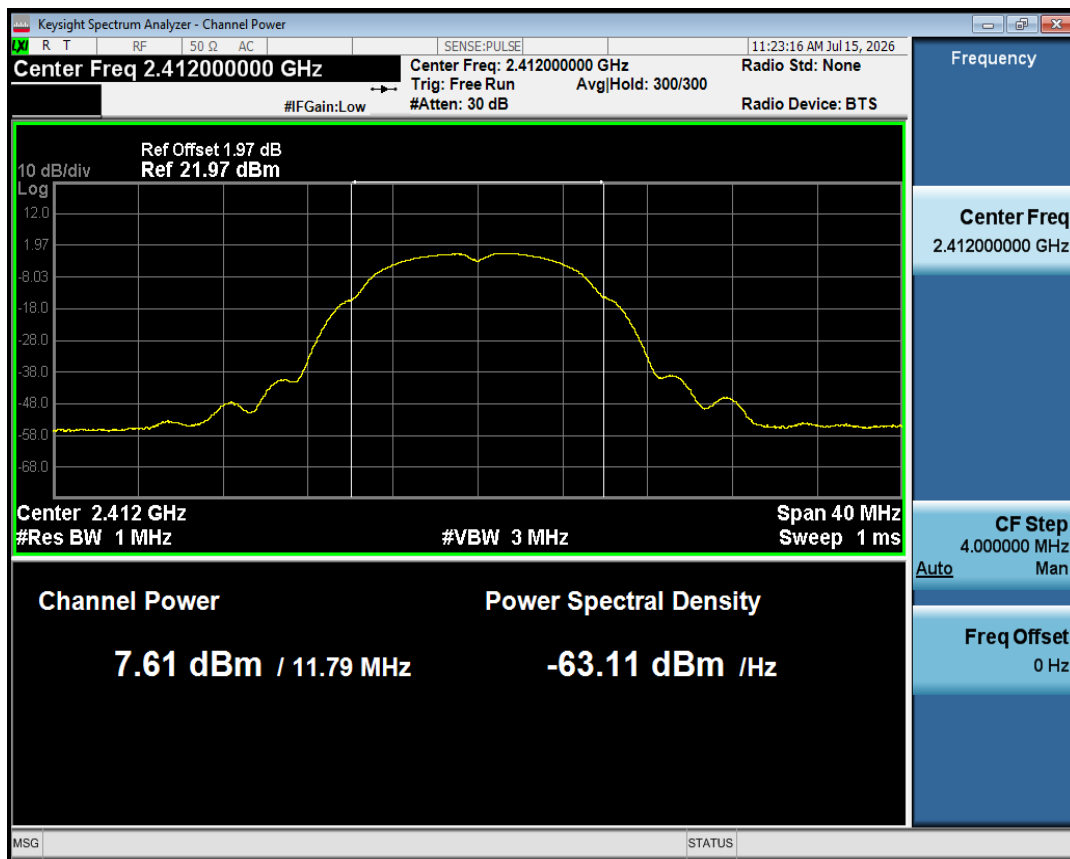
Duty Cycle NVNT n40 2437MHz Ant1



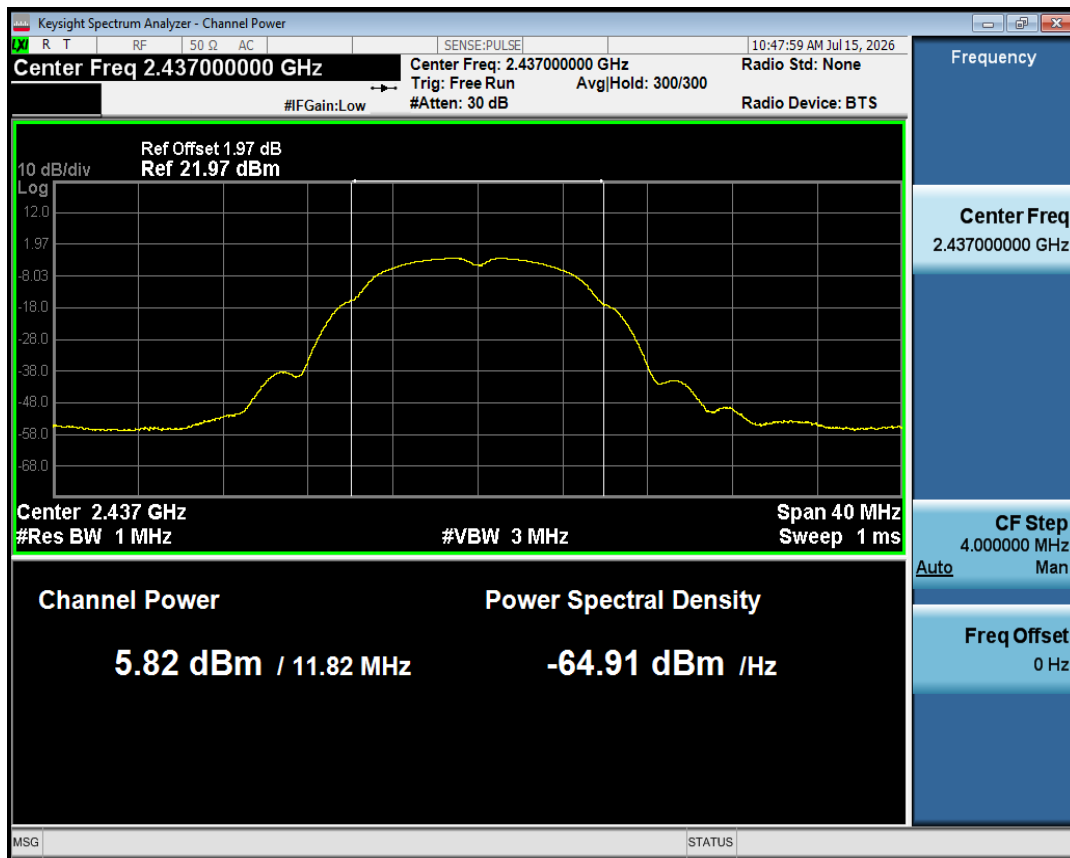
Duty Cycle NVNT n40 2452MHz Ant1

Maximum Average Conducted Output Power

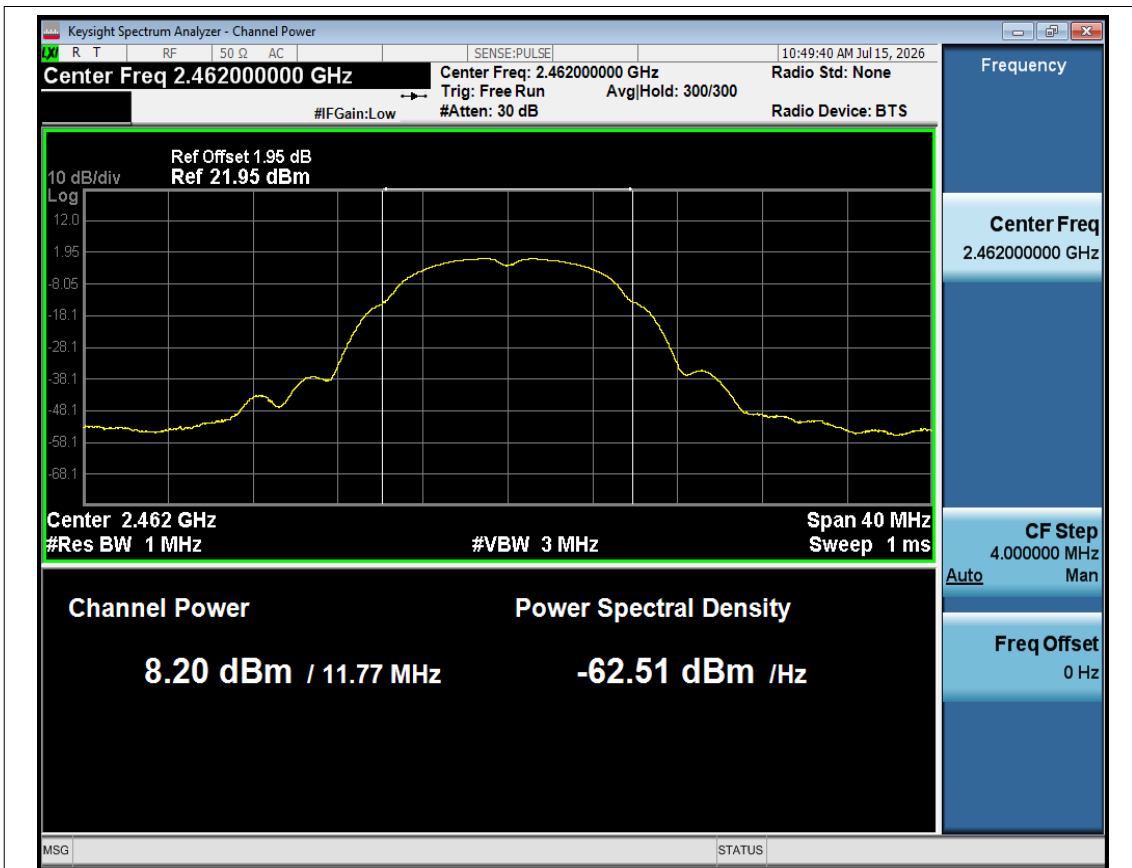
Condi- tion	Mod- e	Frequen- cy (MHz)	Anten- na	Conduct- ed Power (dBm)	Duty Fact- or (dB)	Total Conduct- ed Power (dBm)	Total Conduct- ed Power (W)	Limit Conducted(dB m)	Verdi- ct
NVNT	b	2412	Ant1	7.61	0.52	8.13	0.0065	30	Pass
NVNT	b	2437	Ant1	5.82	0.51	6.33	0.0043	30	Pass
NVNT	b	2462	Ant1	8.2	0.51	8.71	0.00743	30	Pass
NVNT	g	2412	Ant1	5.23	2.49	7.72	0.00592	30	Pass
NVNT	g	2437	Ant1	3.27	2.49	5.76	0.00377	30	Pass
NVNT	g	2462	Ant1	5.51	2.49	8	0.00631	30	Pass
NVNT	n20	2412	Ant1	5.35	2.49	7.84	0.00608	30	Pass
NVNT	n20	2437	Ant1	3.49	2.49	5.98	0.00396	30	Pass
NVNT	n20	2462	Ant1	5.71	2.51	8.22	0.00664	30	Pass
NVNT	n40	2422	Ant1	3.1	3.82	6.92	0.00492	30	Pass
NVNT	n40	2437	Ant1	2.83	3.4	6.23	0.0042	30	Pass
NVNT	n40	2452	Ant1	4.08	3.4	7.48	0.0056	30	Pass



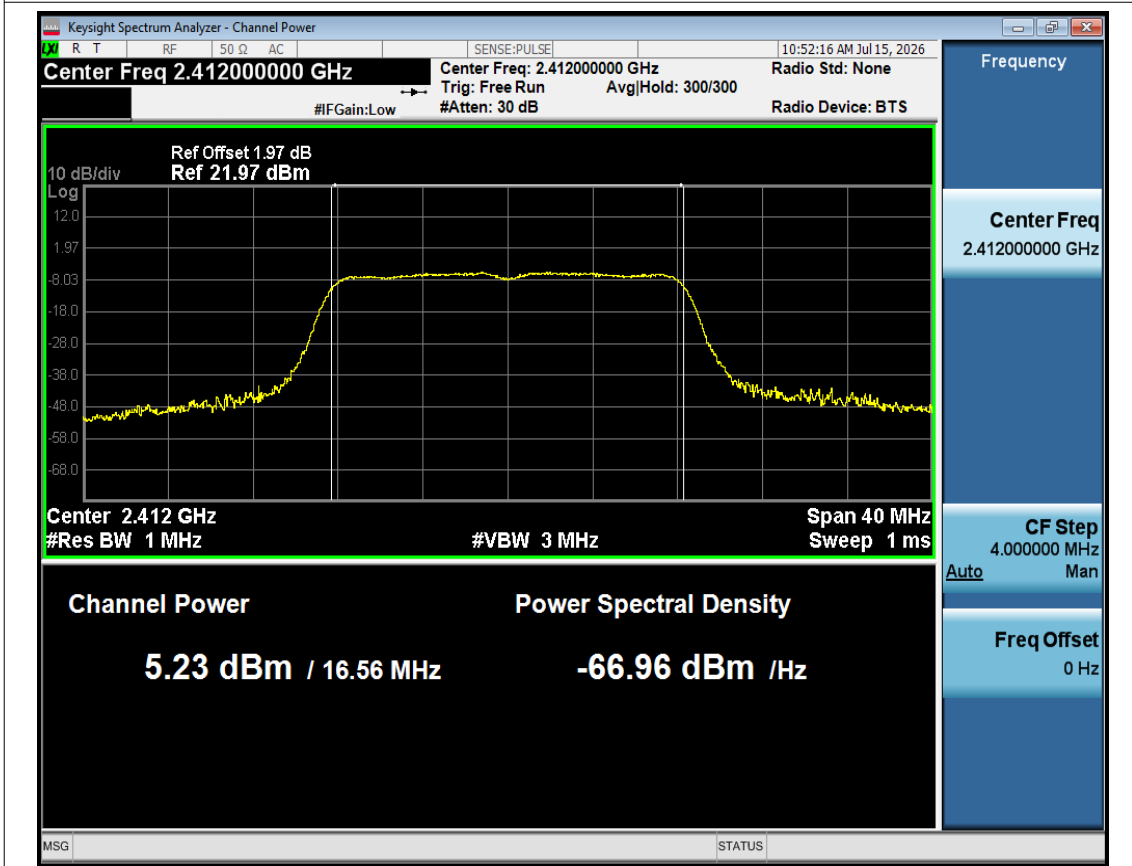
Average Power NVNT b 2412MHz Ant1



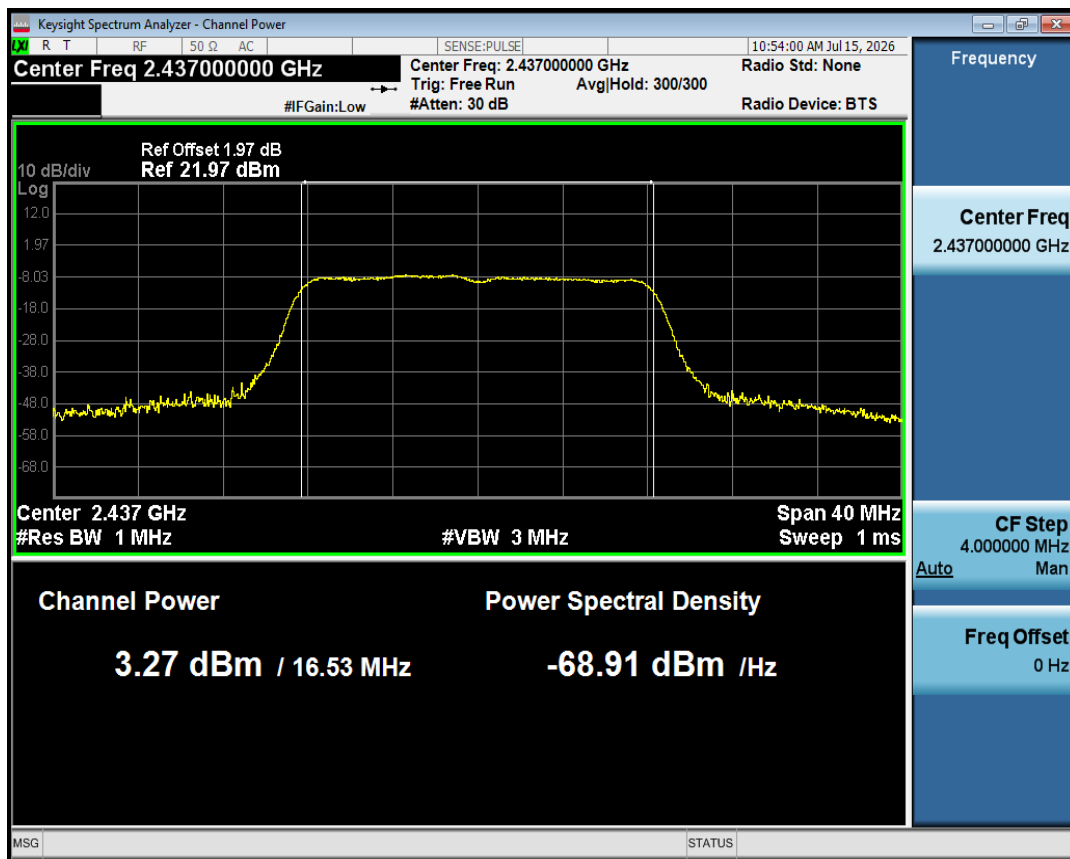
Average Power NVNT b 2437MHz Ant1



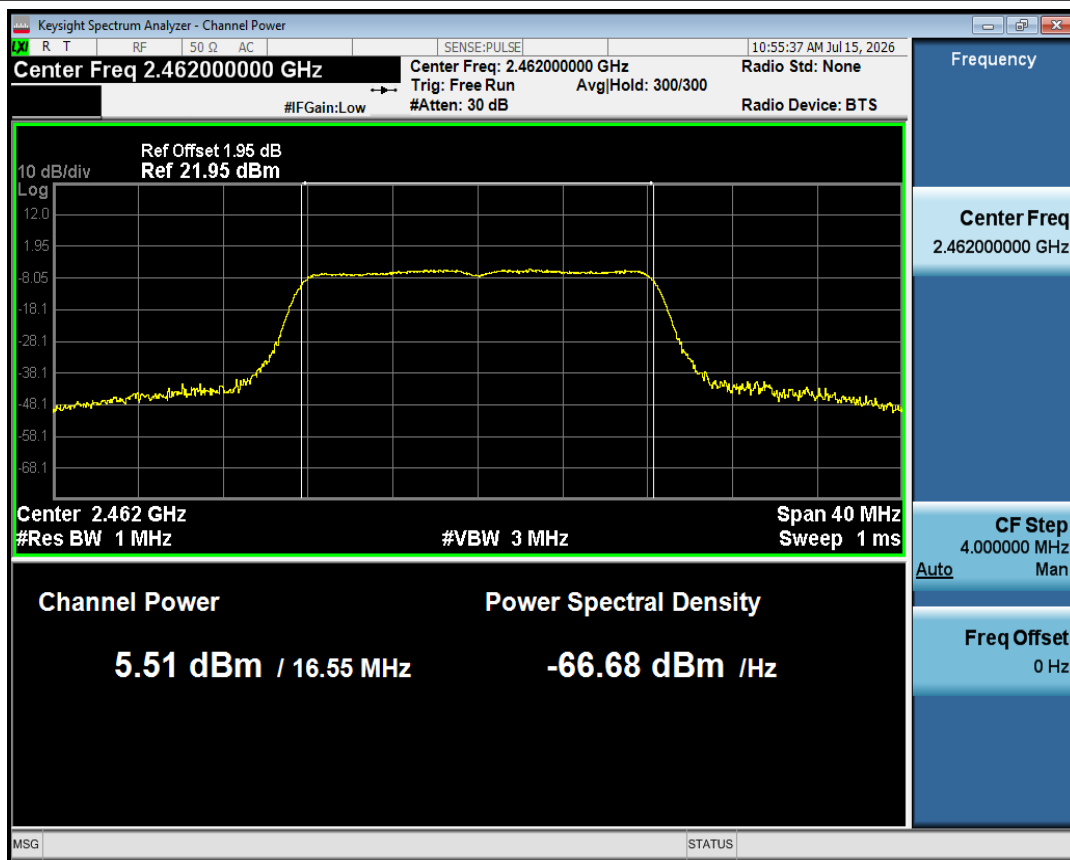
Average Power NVNT b 2462MHz Ant1



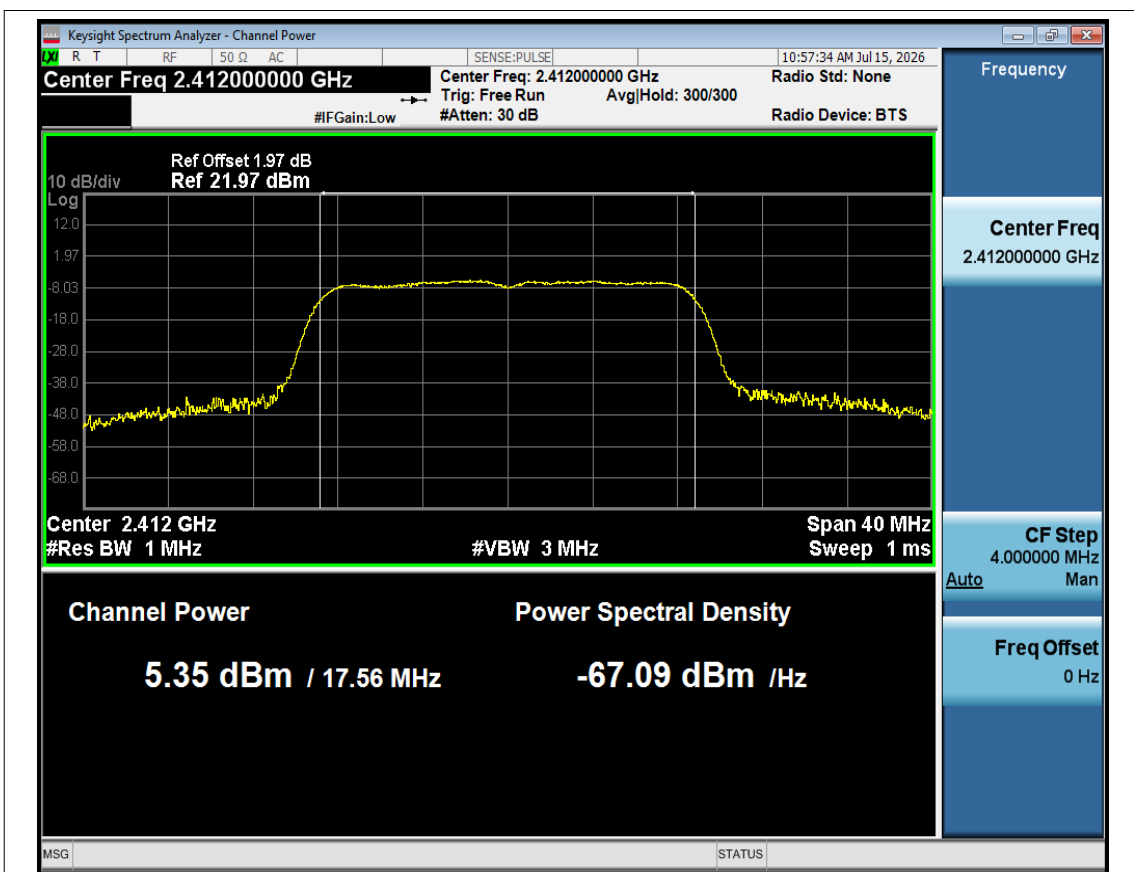
Average Power NVNT g 2412MHz Ant1



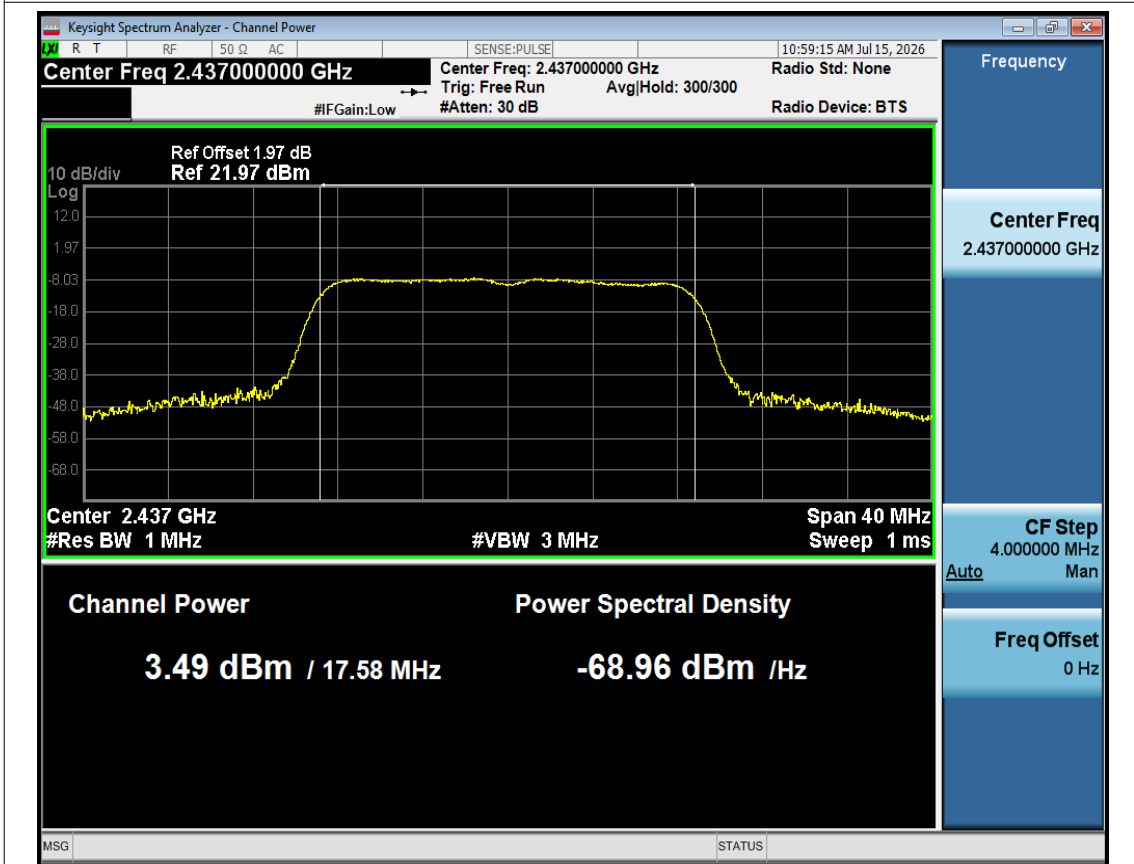
Average Power NVNT g 2437MHz Ant1



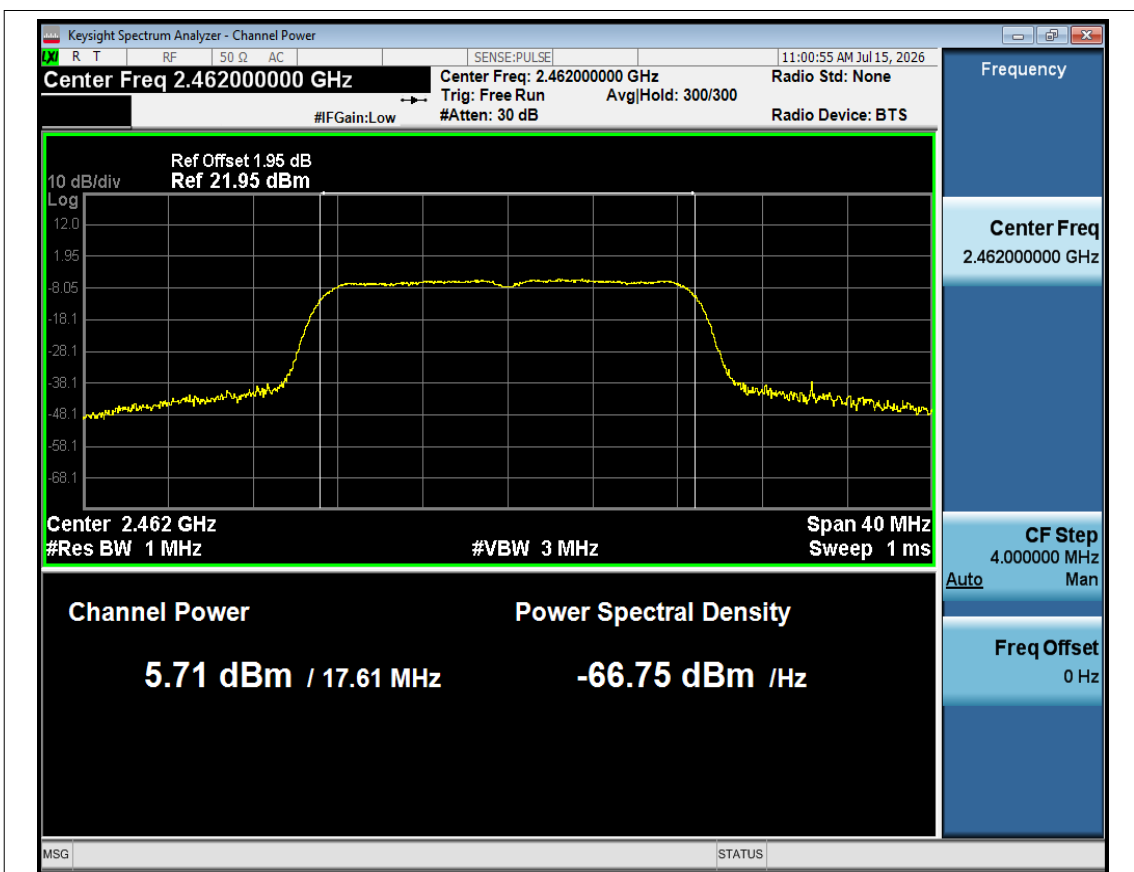
Average Power NVNT g 2462MHz Ant1



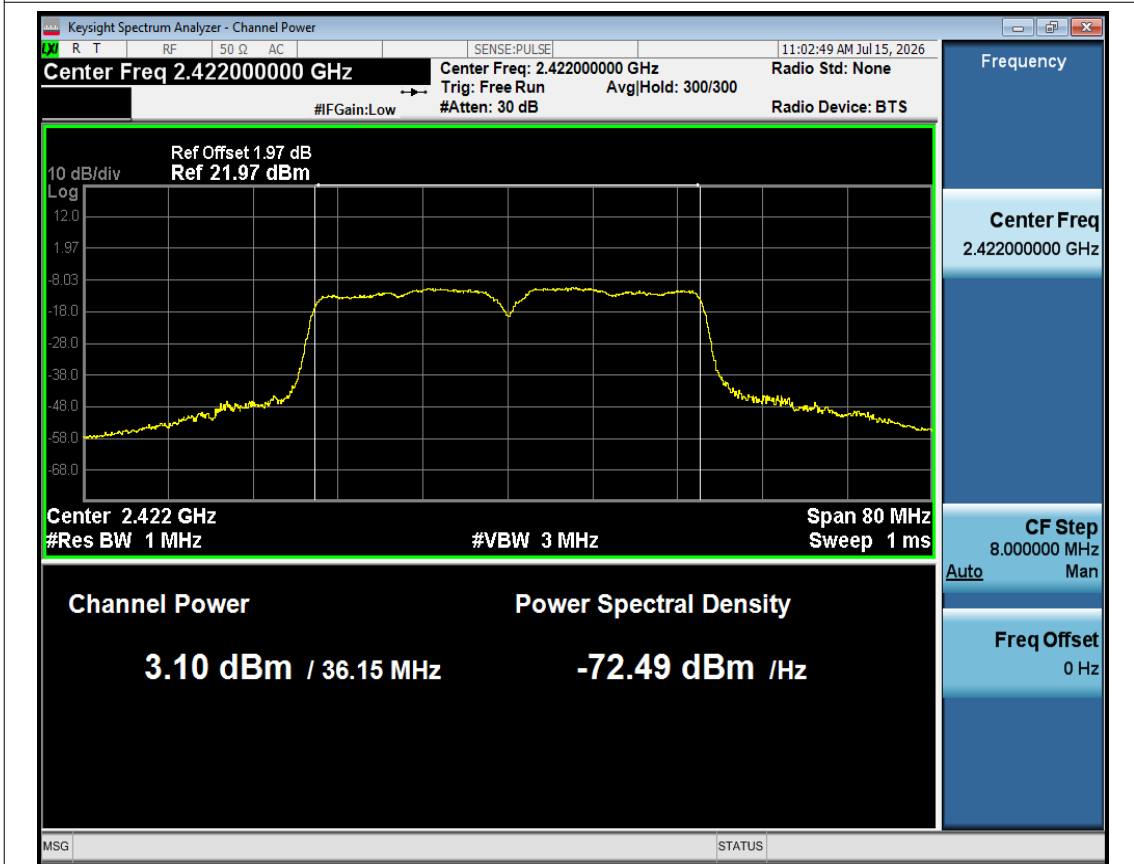
Average Power NVNT n20 2412MHz Ant1



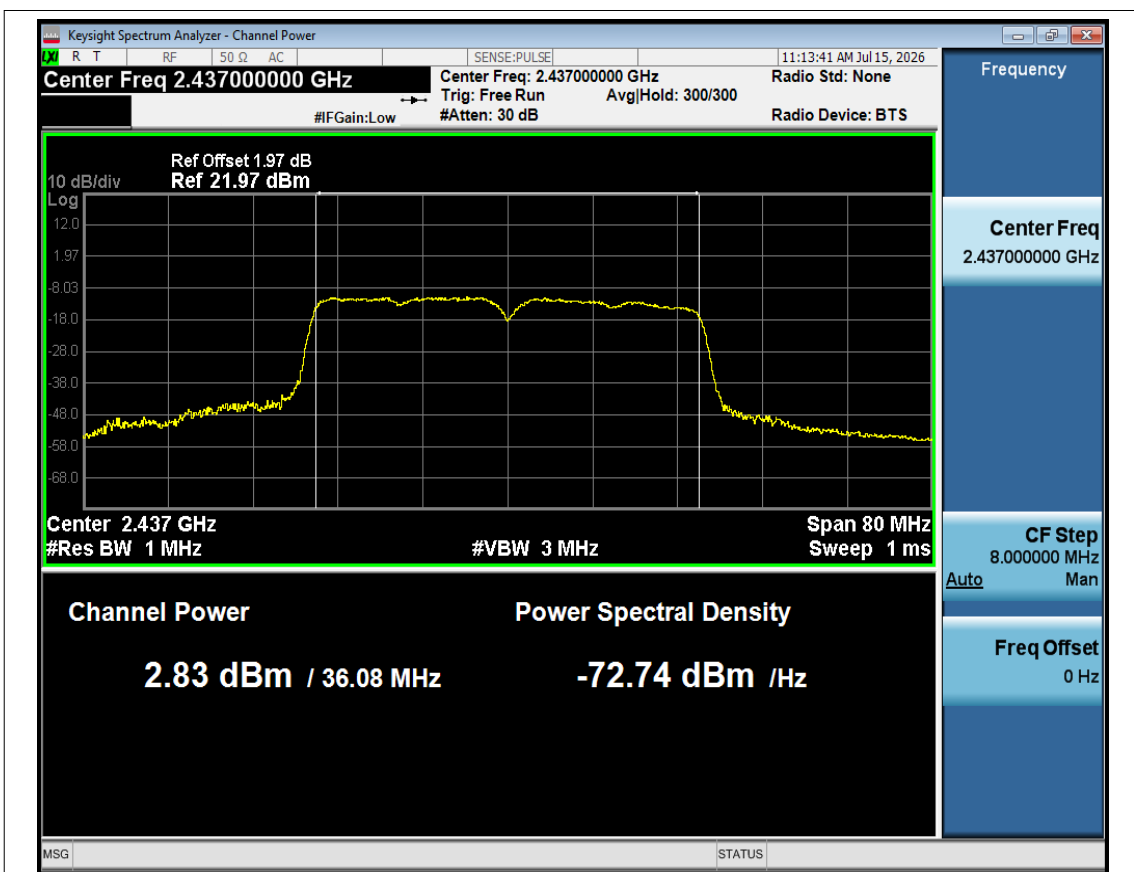
Average Power NVNT n20 2437MHz Ant1



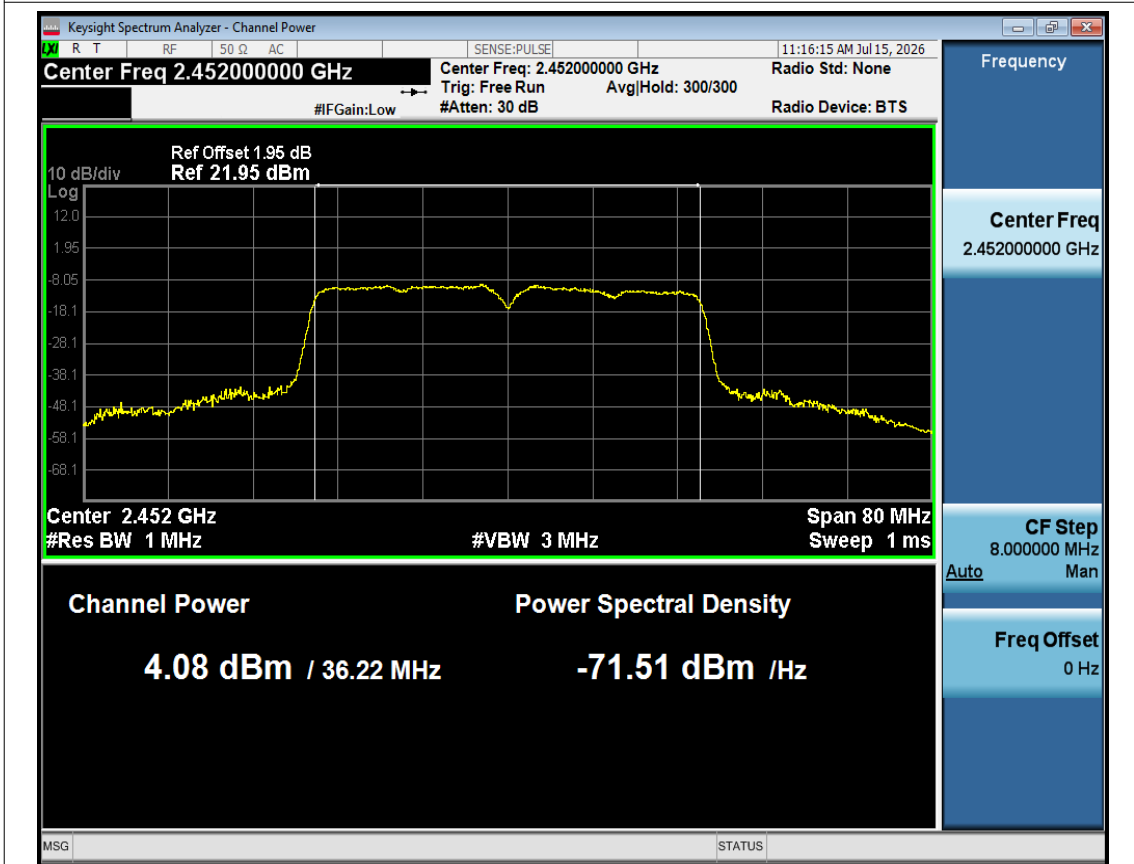
Average Power NVNT n20 2462MHz Ant1



Average Power NVNT n40 2422MHz Ant1



Average Power NVNT n40 2437MHz Ant1



Average Power NVNT n40 2452MHz Ant1

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.1	0.5	Pass
NVNT	b	2437	Ant1	9.095	0.5	Pass
NVNT	b	2462	Ant1	9.1	0.5	Pass
NVNT	g	2412	Ant1	16.33	0.5	Pass
NVNT	g	2437	Ant1	16.35	0.5	Pass
NVNT	g	2462	Ant1	16.33	0.5	Pass
NVNT	n20	2412	Ant1	17.29	0.5	Pass
NVNT	n20	2437	Ant1	17.3	0.5	Pass
NVNT	n20	2462	Ant1	17.34	0.5	Pass
NVNT	n40	2422	Ant1	35.66	0.5	Pass
NVNT	n40	2437	Ant1	35.72	0.5	Pass
NVNT	n40	2452	Ant1	36.08	0.5	Pass



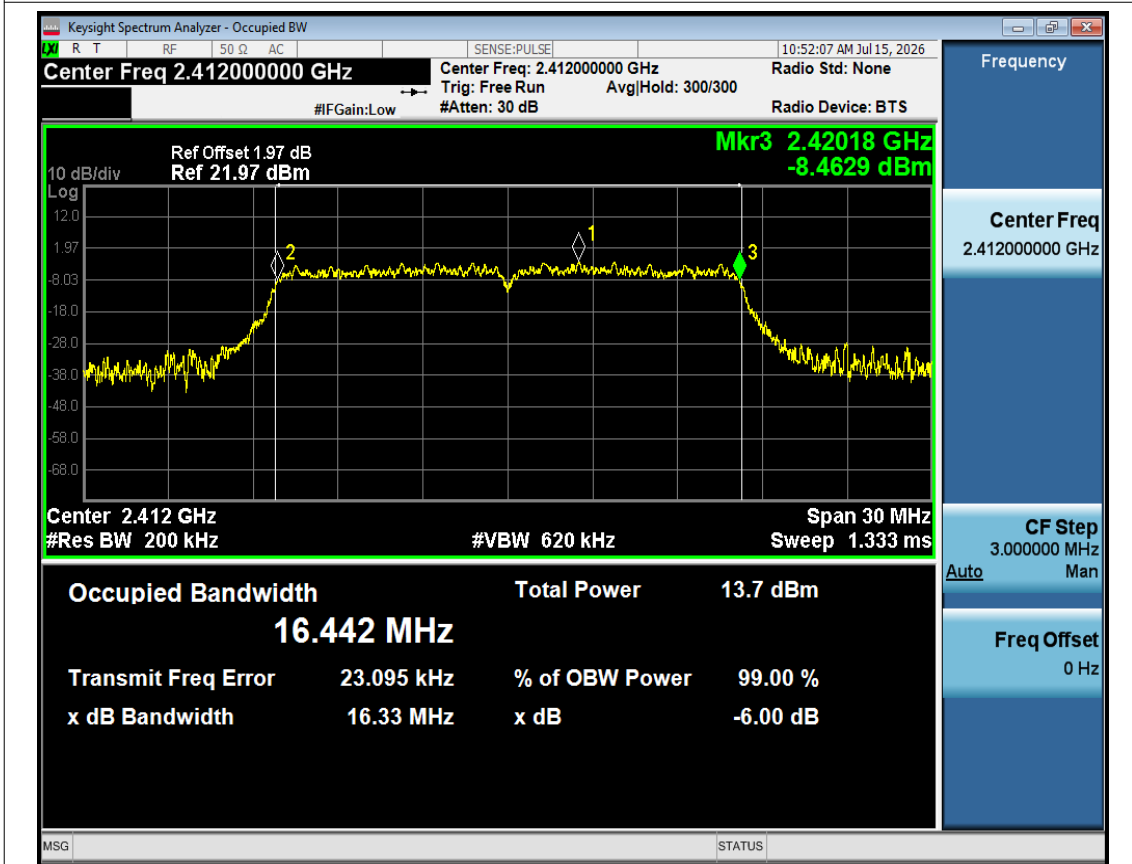
-6dB Bandwidth NVNT b 2412MHz Ant1



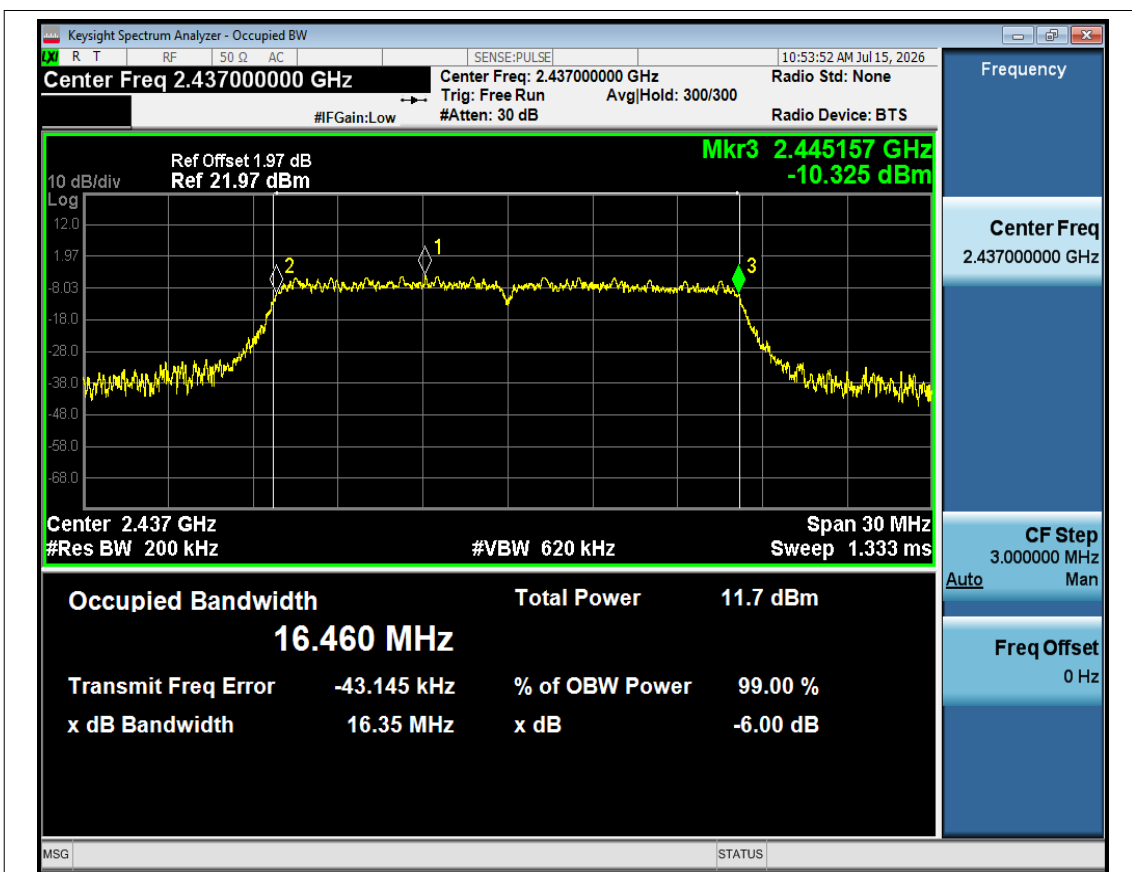
-6dB Bandwidth NVNT b 2437MHz Ant1



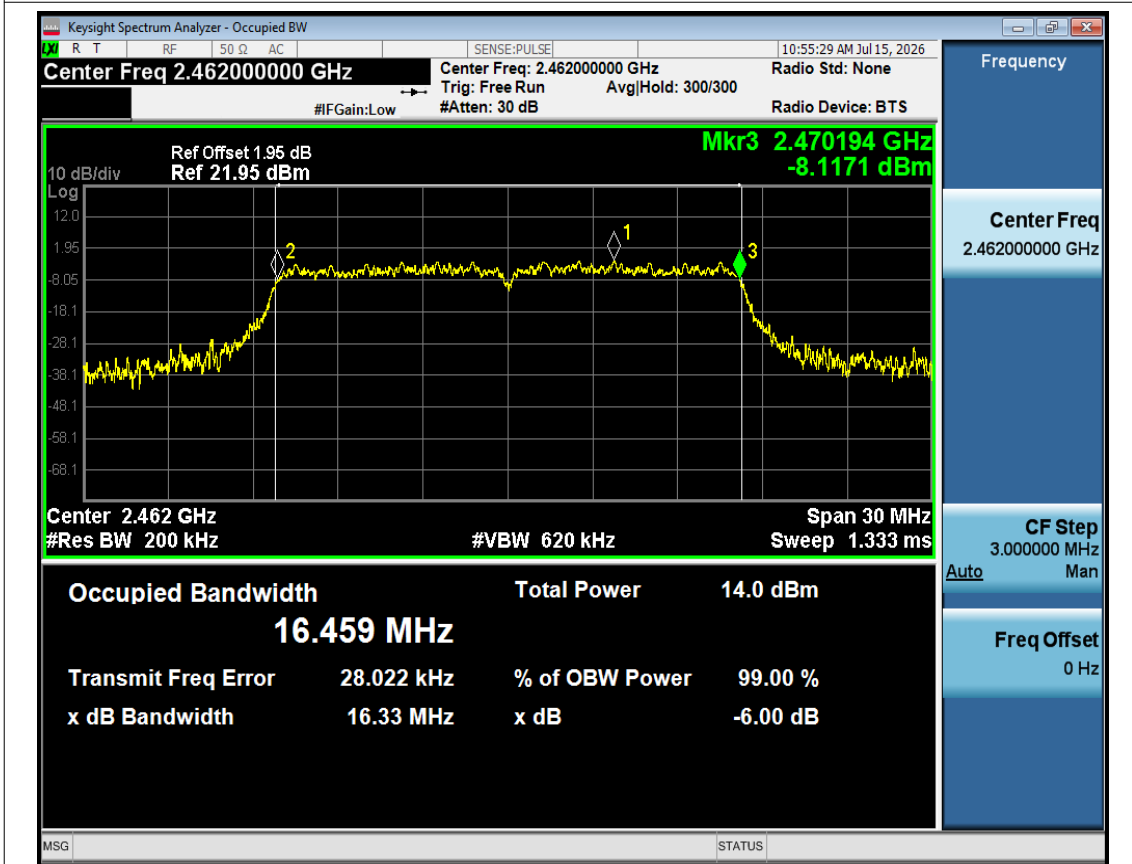
-6dB Bandwidth NVNT b 2462MHz Ant1



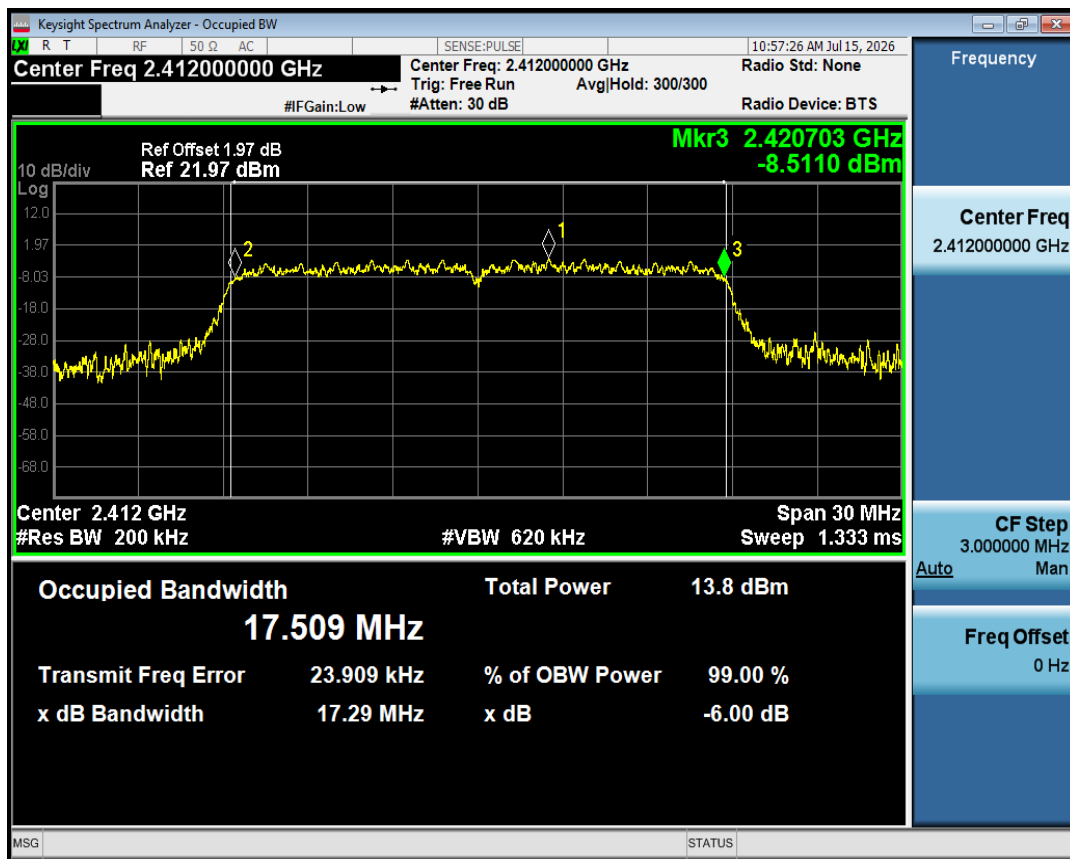
-6dB Bandwidth NVNT g 2412MHz Ant1



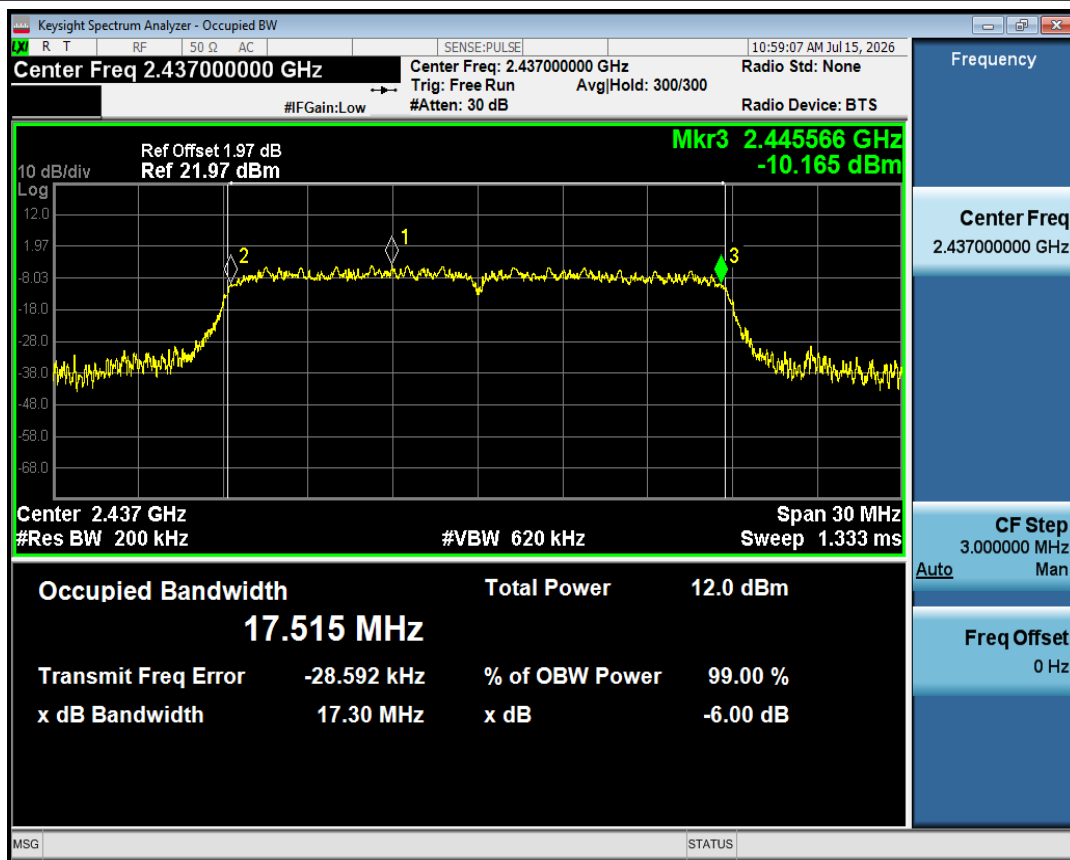
-6dB Bandwidth NVNT g 2437MHz Ant1



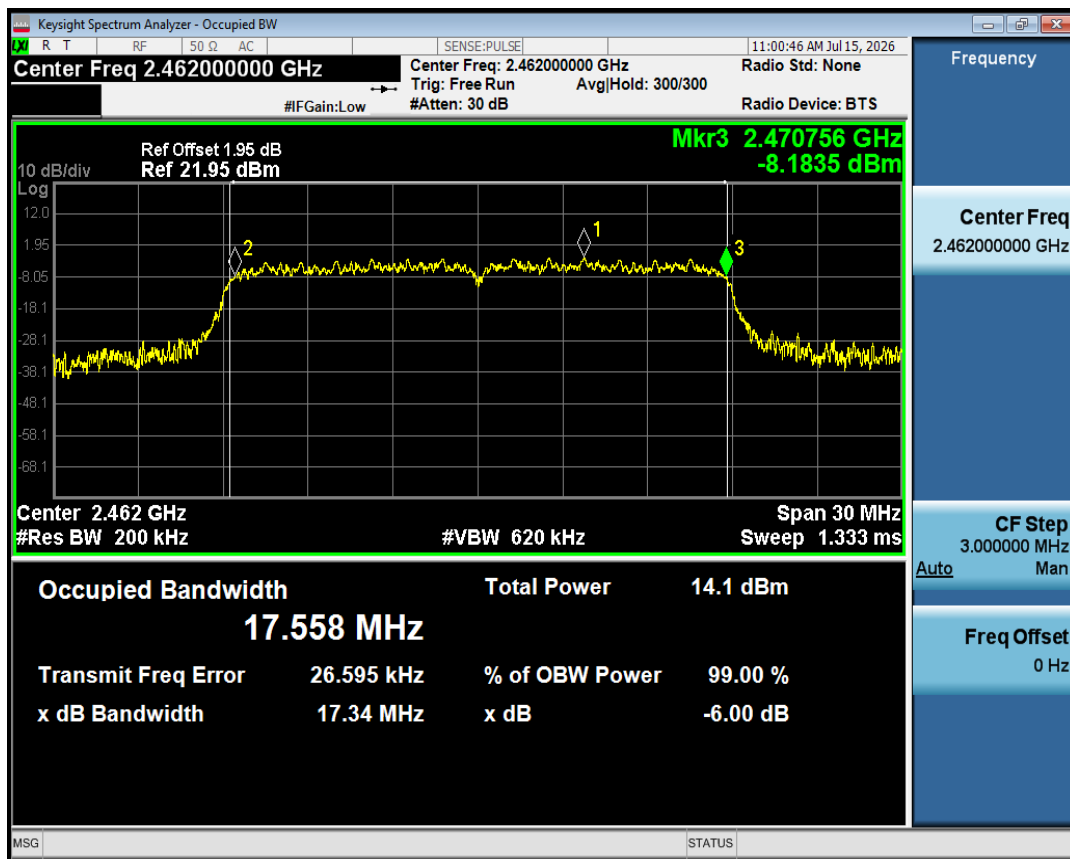
-6dB Bandwidth NVNT g 2462MHz Ant1



-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1



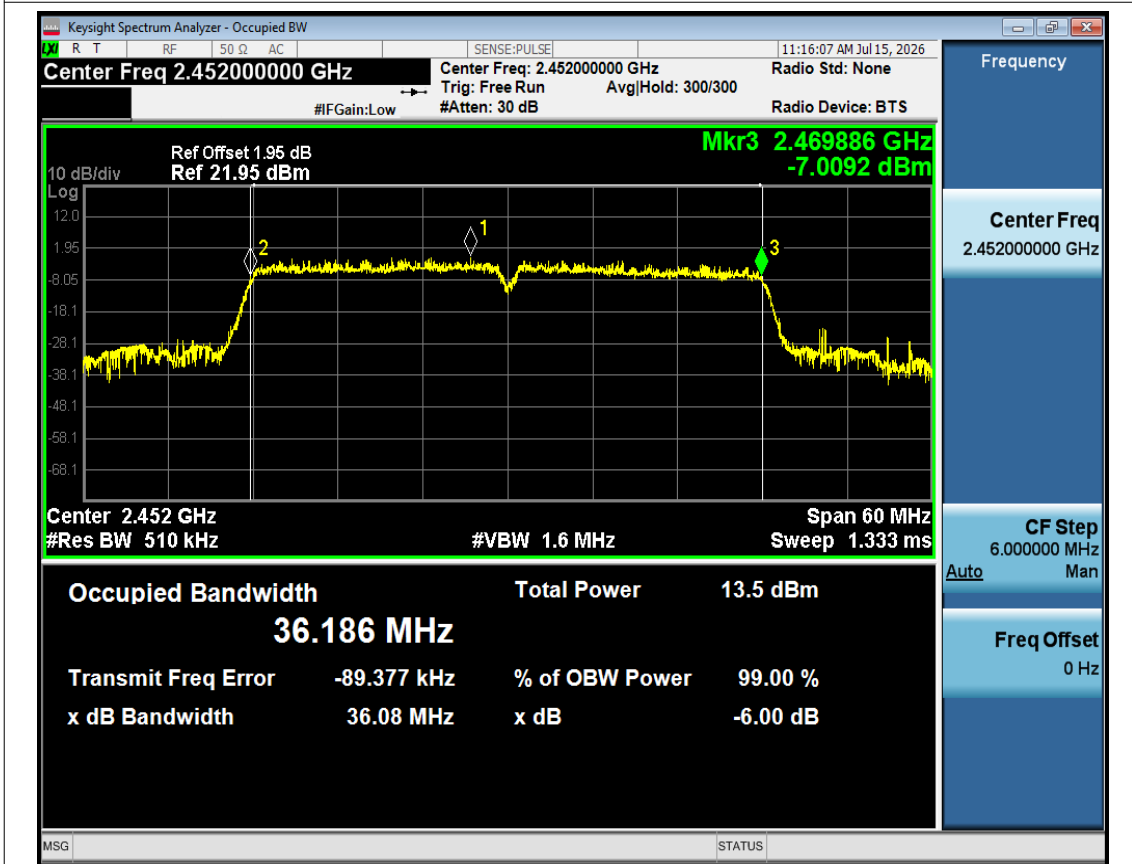
-6dB Bandwidth NVNT n20 2462MHz Ant1



-6dB Bandwidth NVNT n40 2422MHz Ant1



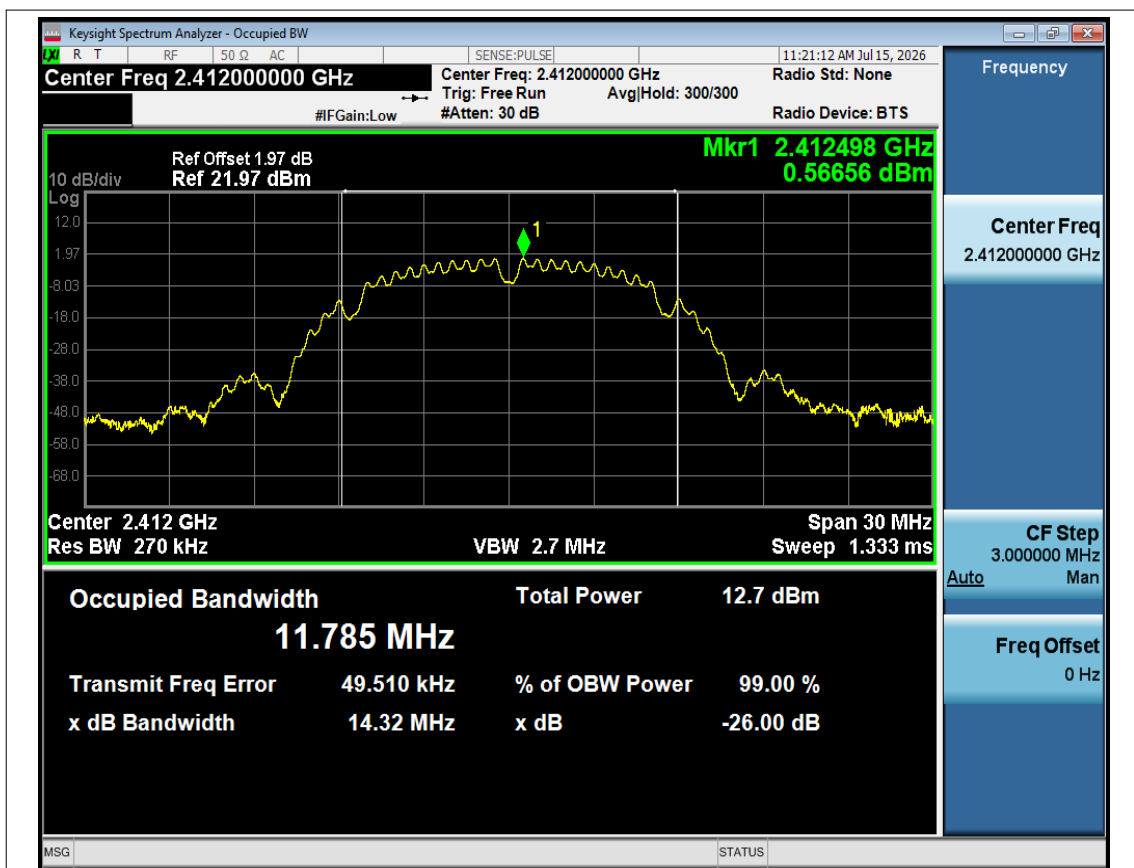
-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	11.785
NVNT	b	2437	Ant1	11.655
NVNT	b	2462	Ant1	11.772
NVNT	g	2412	Ant1	16.559
NVNT	g	2437	Ant1	16.54
NVNT	g	2462	Ant1	16.549
NVNT	n20	2412	Ant1	17.56
NVNT	n20	2437	Ant1	17.525
NVNT	n20	2462	Ant1	17.607
NVNT	n40	2422	Ant1	36.128
NVNT	n40	2437	Ant1	36.081
NVNT	n40	2452	Ant1	36.217

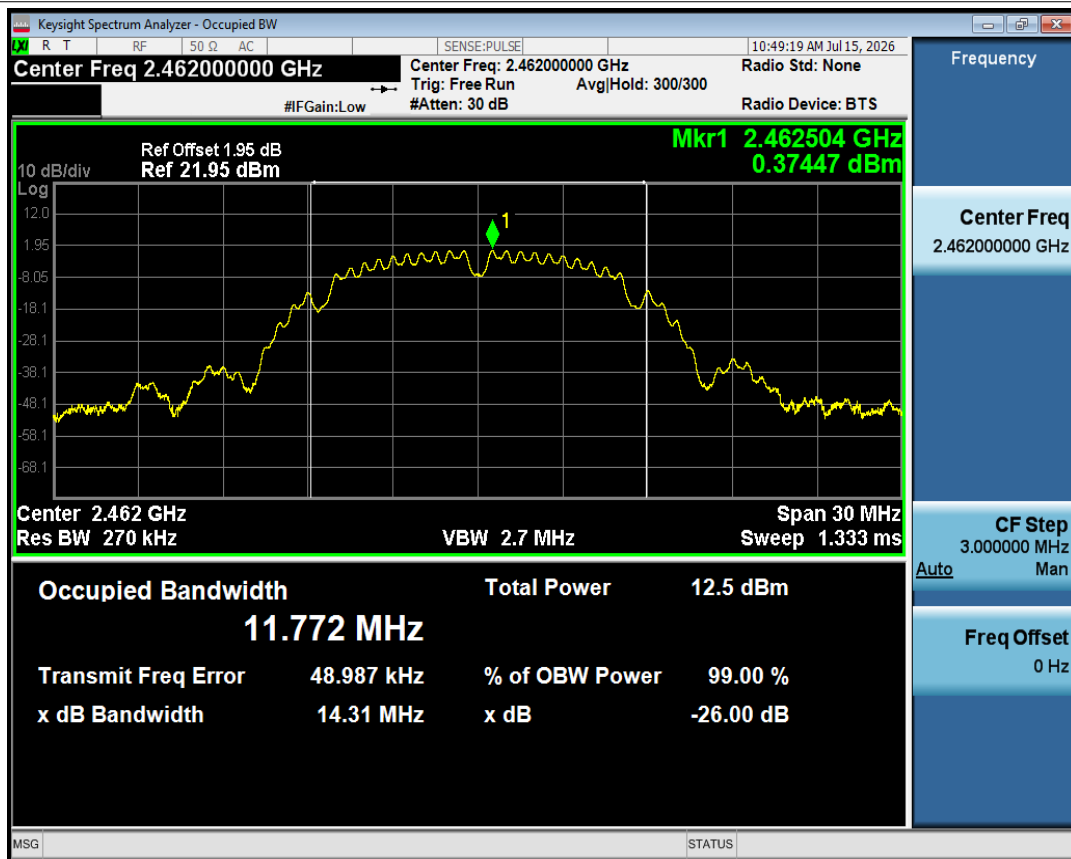


OBW NVNT b 2412MHz Ant1

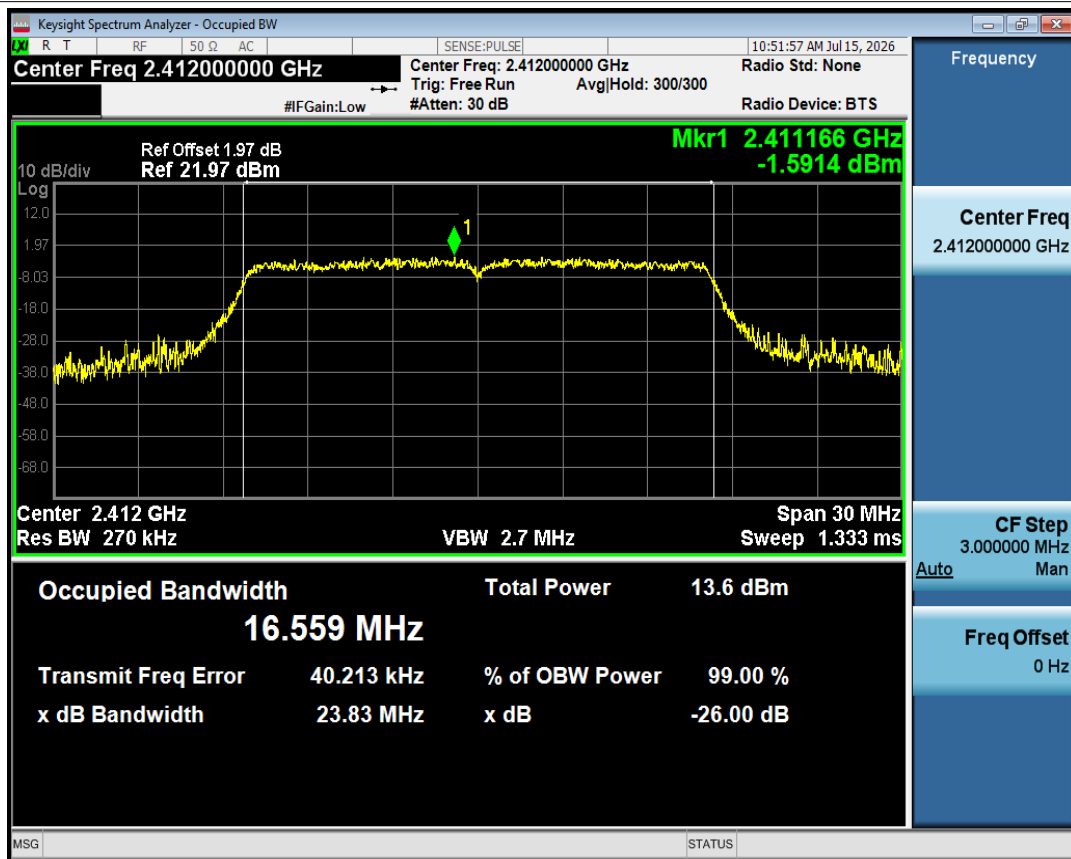




OBW NVNT b 2437MHz Ant1

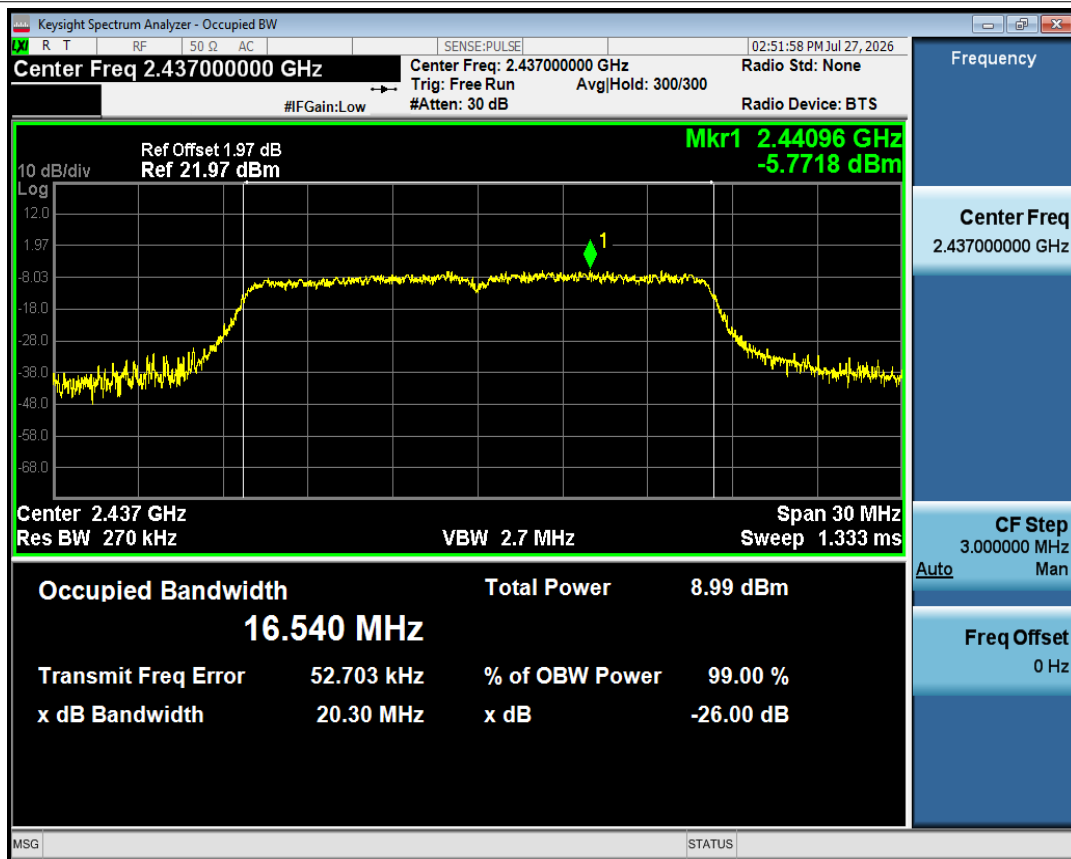


OBW NVNT b 2462MHz Ant1

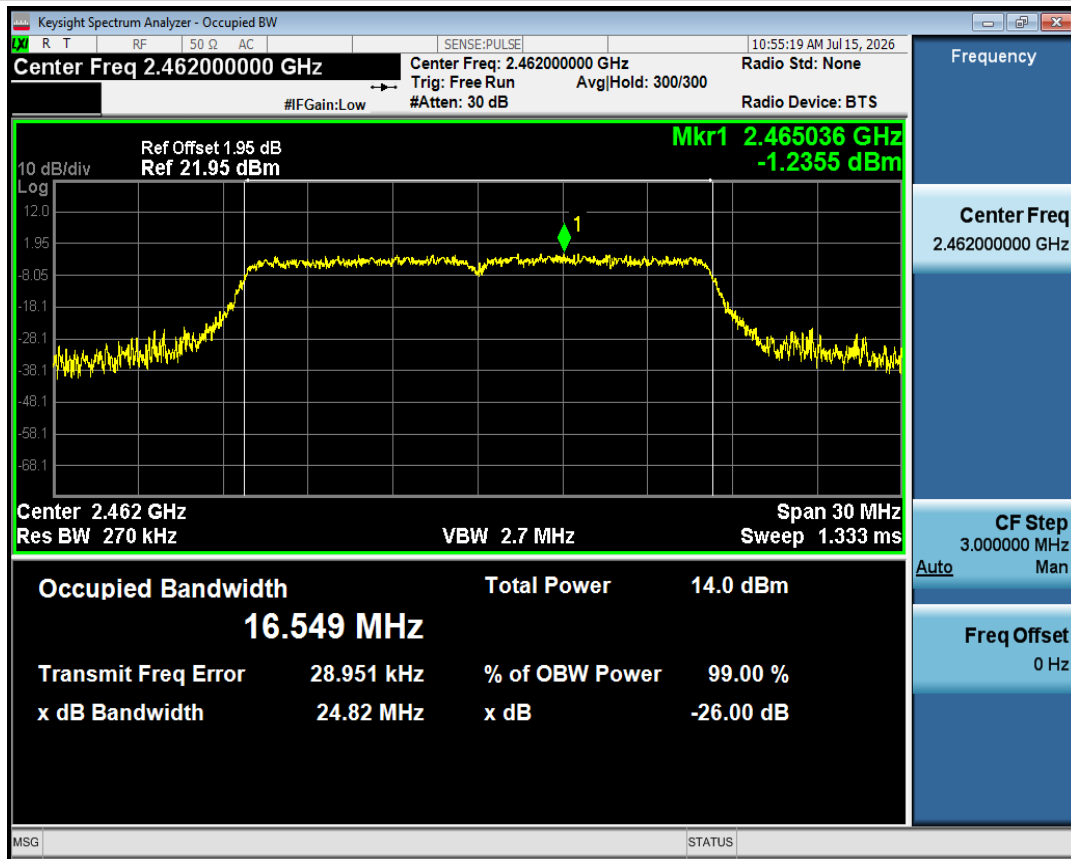




OBW NVNT g 2412MHz Ant1

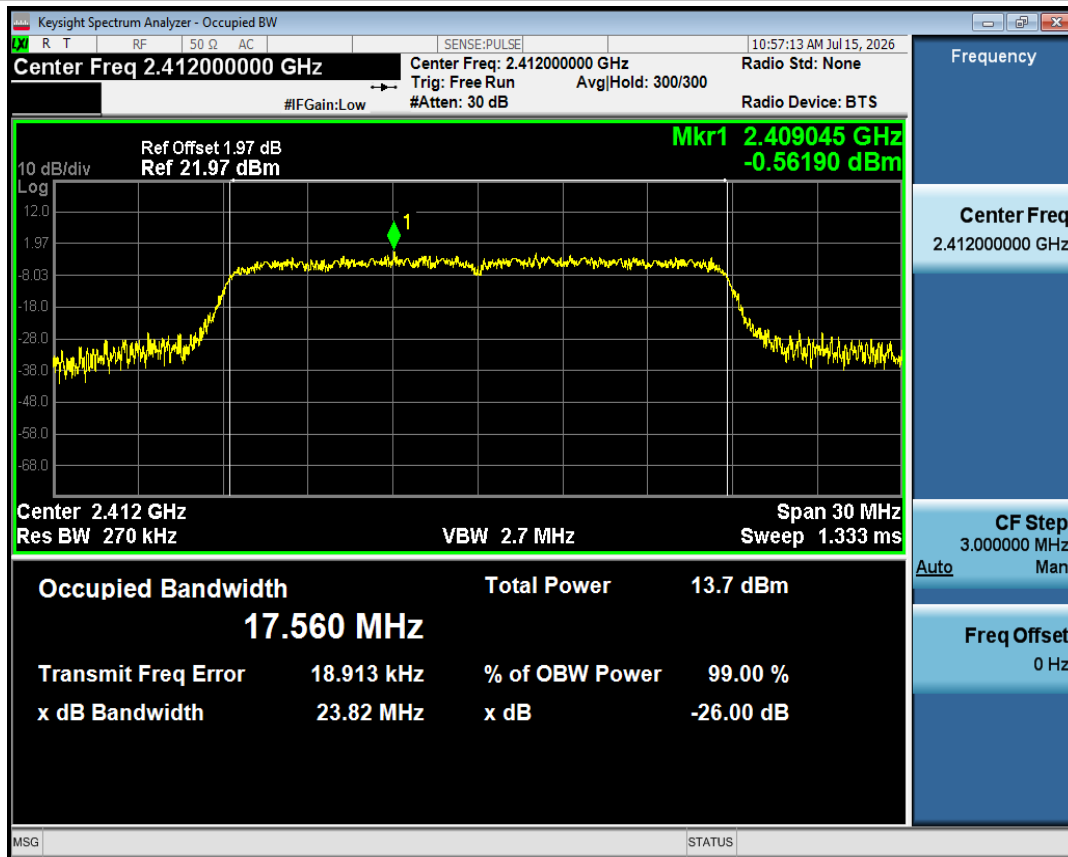


OBW NVNT g 2437MHz Ant1

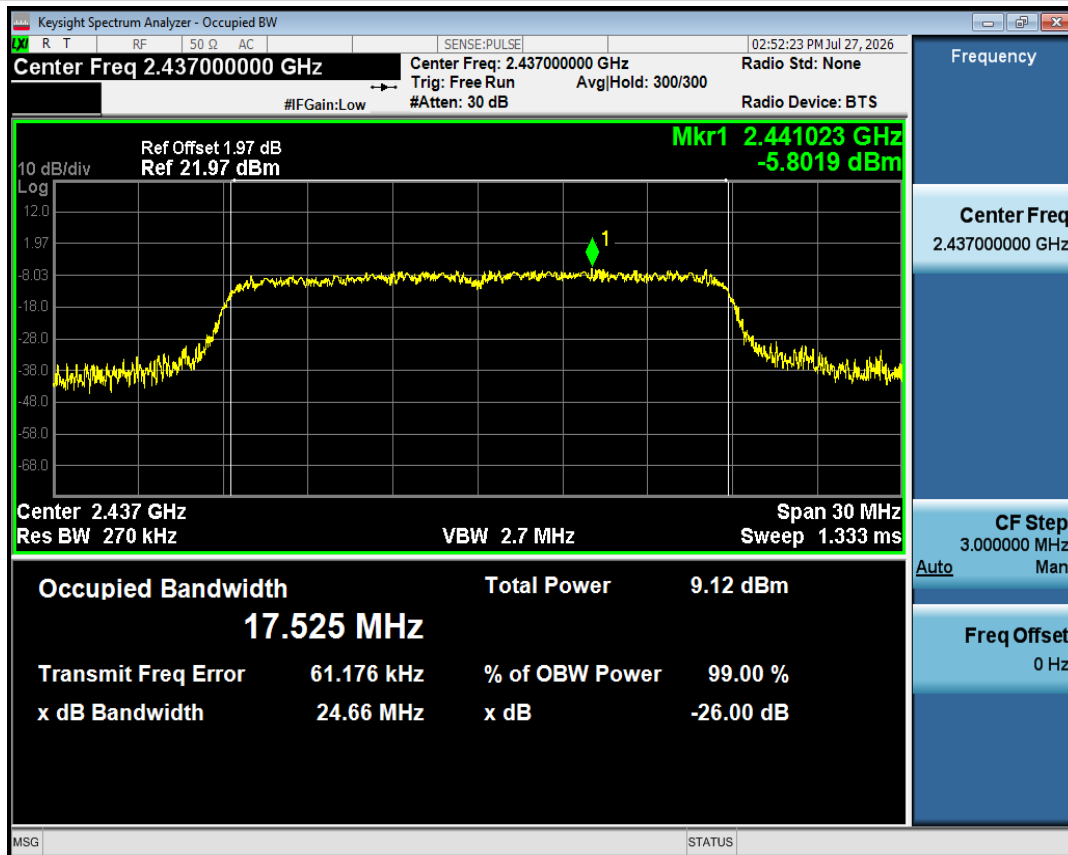




OBW NVNT g 2462MHz Ant1

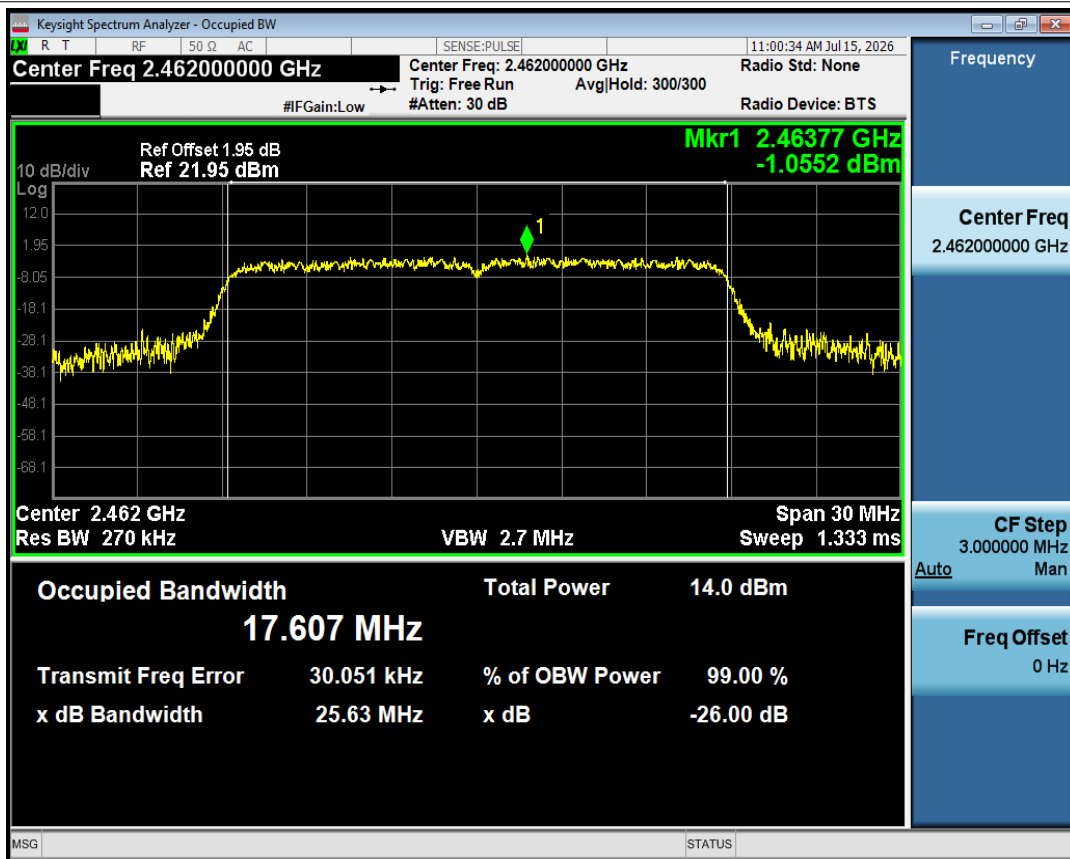


OBW NVNT n20 2412MHz Ant1





OBW NVNT n20 2437MHz Ant1

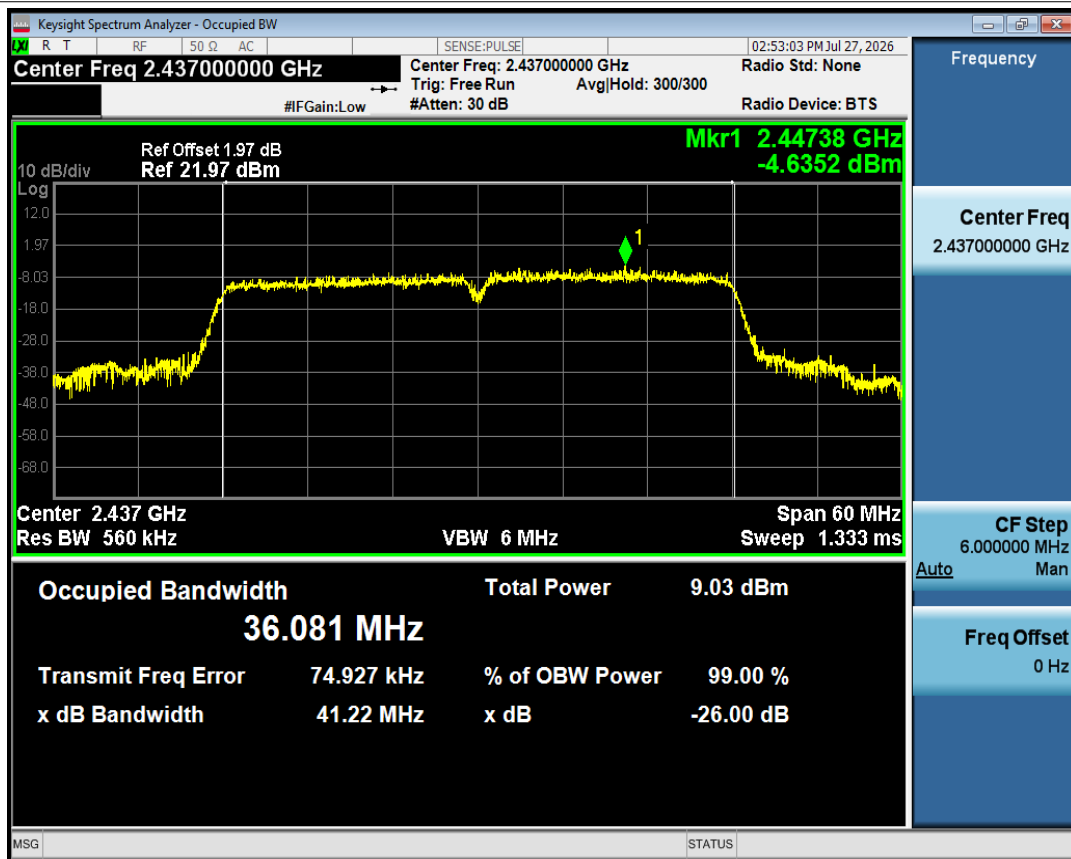


OBW NVNT n20 2462MHz Ant1





OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



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	-23.25	0.52	-22.73	8	Pass
NVNT	b	2437	Ant1	-26.05	0.51	-25.54	8	Pass
NVNT	b	2462	Ant1	-23.4	0.51	-22.89	8	Pass
NVNT	g	2412	Ant1	-26.63	2.49	-24.14	8	Pass
NVNT	g	2437	Ant1	-28.75	2.49	-26.26	8	Pass
NVNT	g	2462	Ant1	-26.29	2.49	-23.8	8	Pass
NVNT	n20	2412	Ant1	-27.49	2.49	-25	8	Pass
NVNT	n20	2437	Ant1	-29.57	2.49	-27.08	8	Pass
NVNT	n20	2462	Ant1	-27.04	2.51	-24.53	8	Pass
NVNT	n40	2422	Ant1	-31.7	3.82	-27.88	8	Pass
NVNT	n40	2437	Ant1	-31.8	3.4	-28.4	8	Pass
NVNT	n40	2452	Ant1	-30.54	3.4	-27.14	8	Pass
Remark: PSD(dBm/3kHz)=PSD(dBm/30kHz)-10Log(30kHz/3kHz)								



PSD NVNT b 2412MHz Ant1



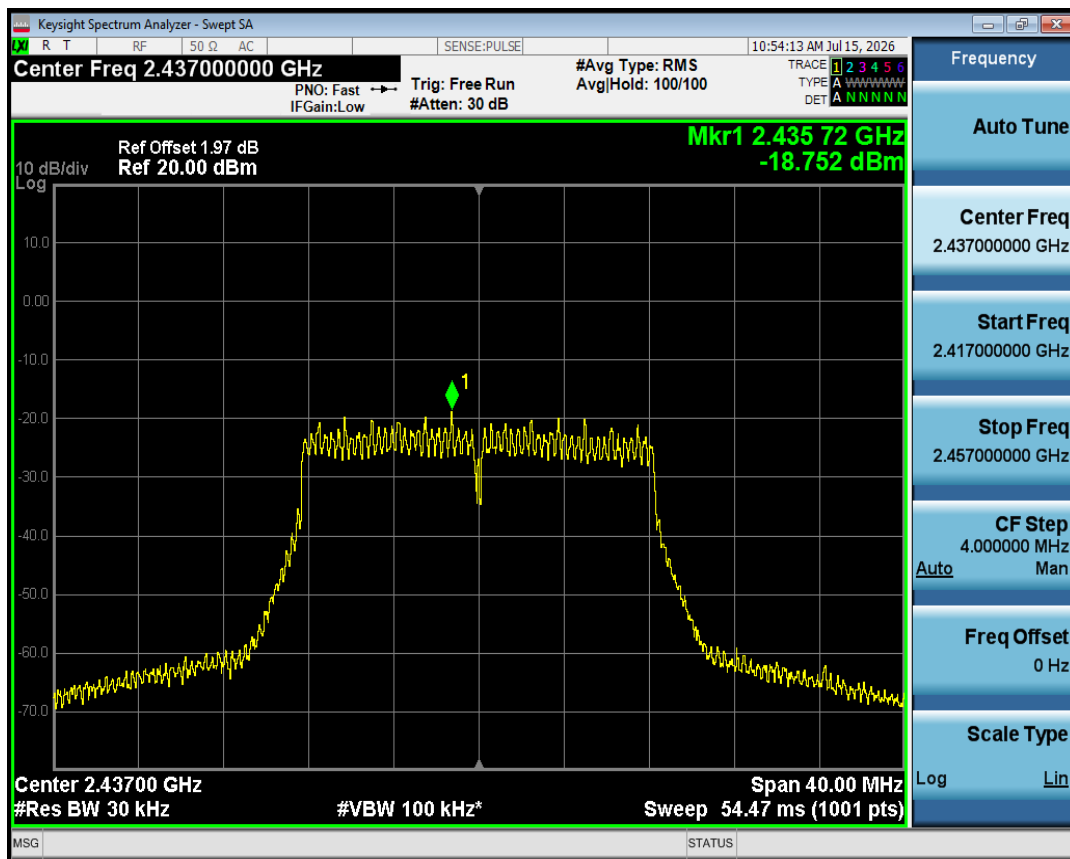
PSD NVNT b 2437MHz Ant1



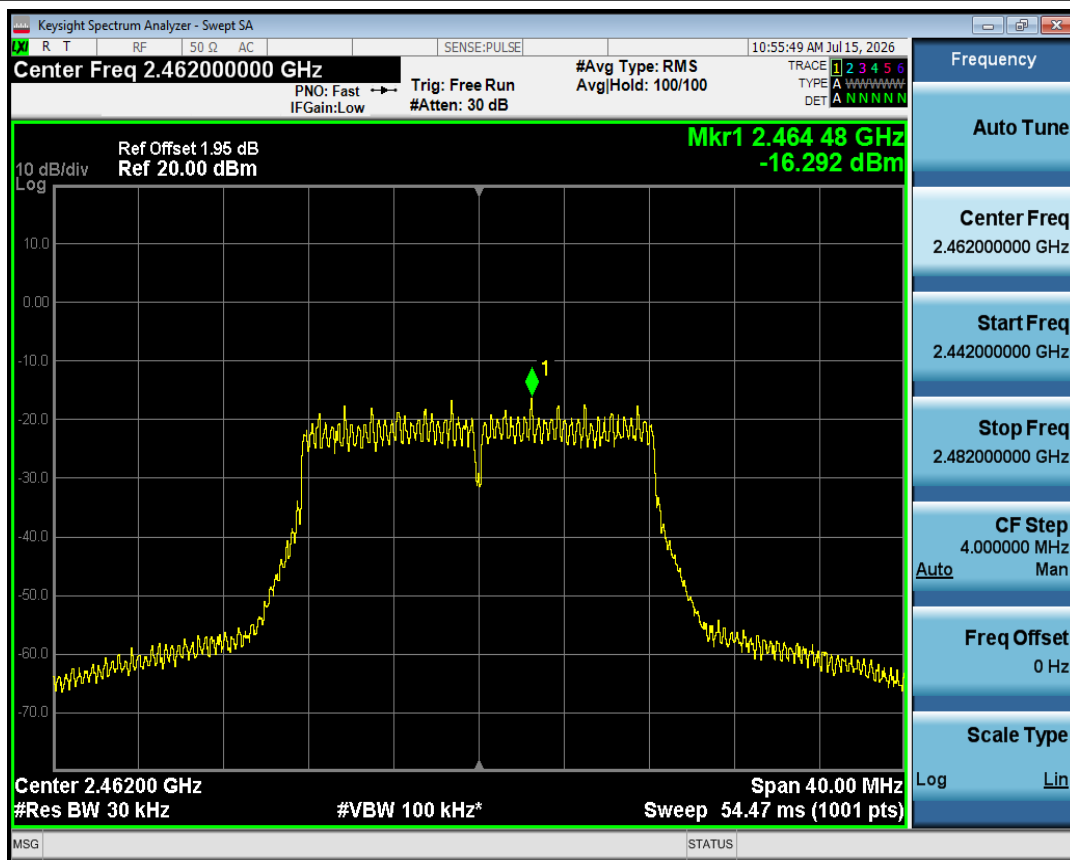
PSD NVNT b 2462MHz Ant1



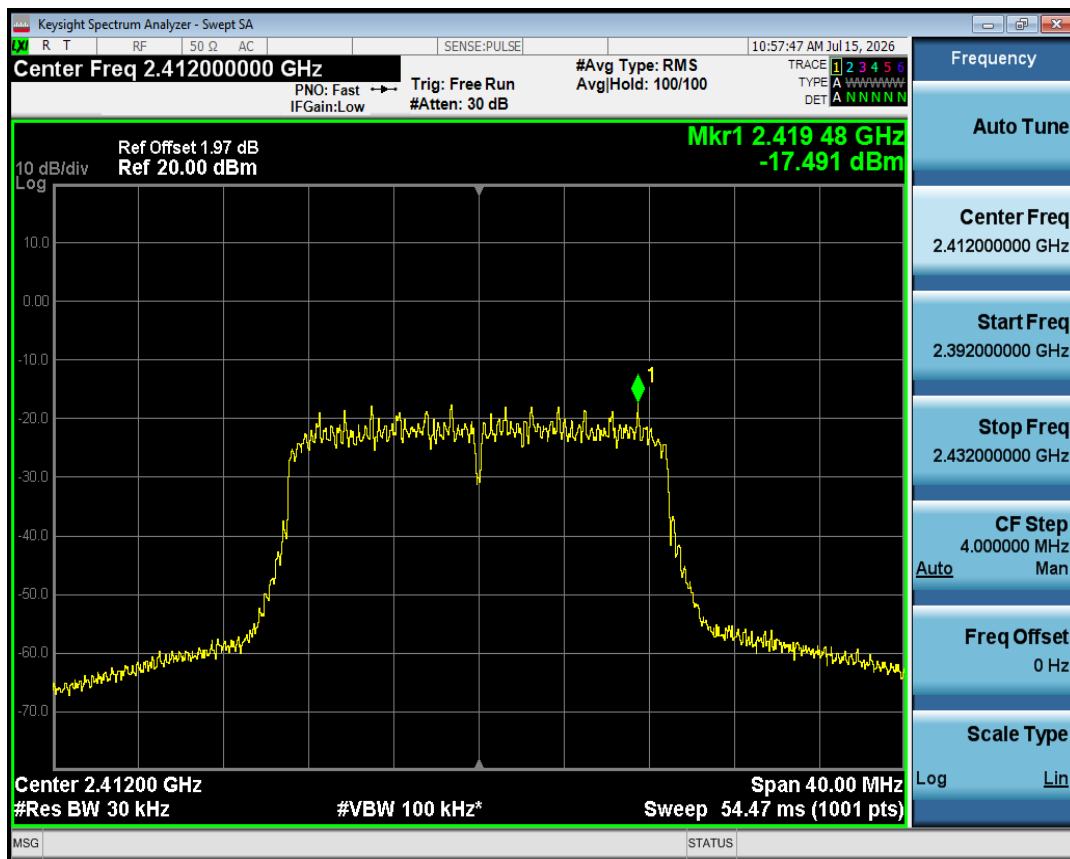
PSD NVNT g 2412MHz Ant1



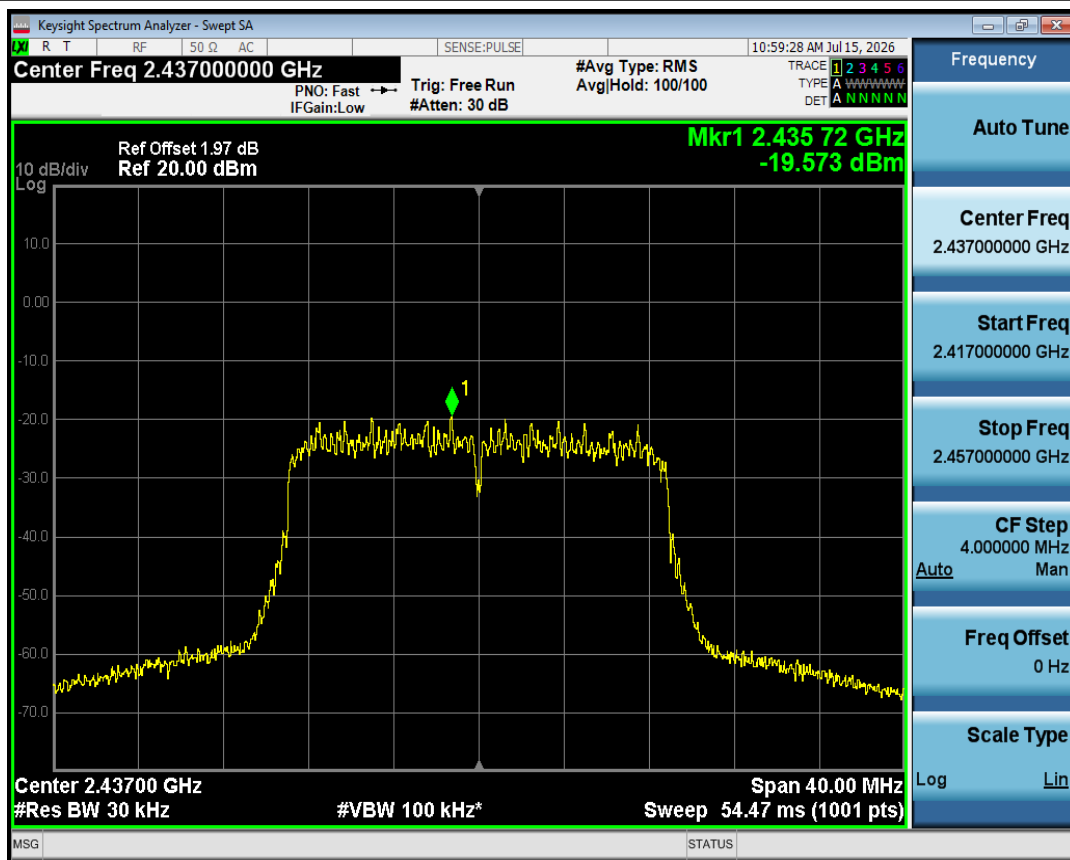
PSD NVNT g 2437MHz Ant1



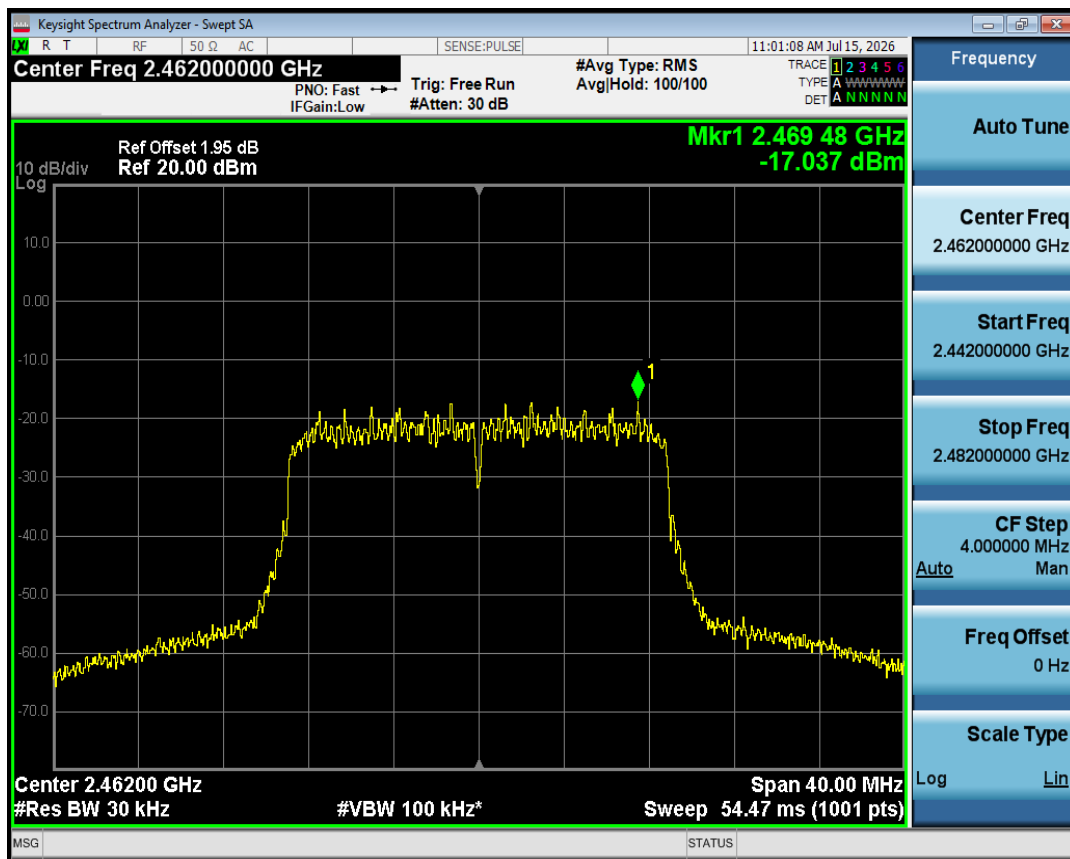
PSD NVNT g 2462MHz Ant1



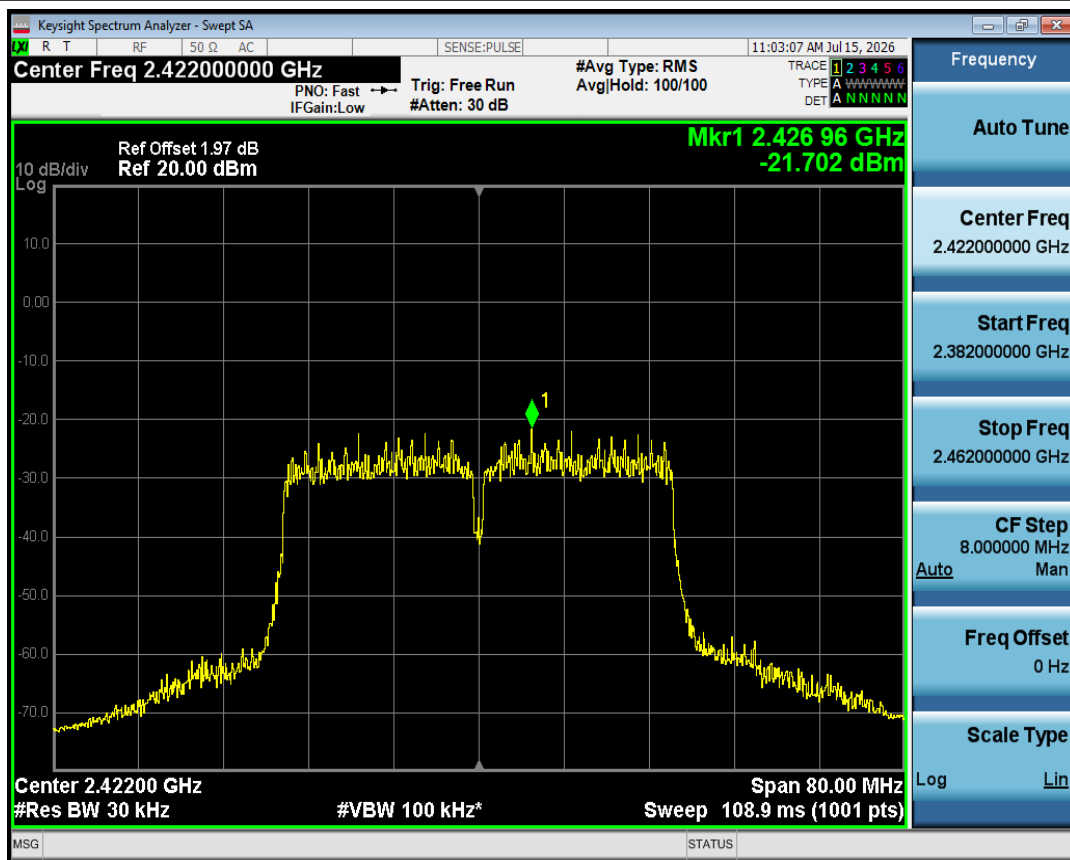
PSD NVNT n20 2412MHz Ant1



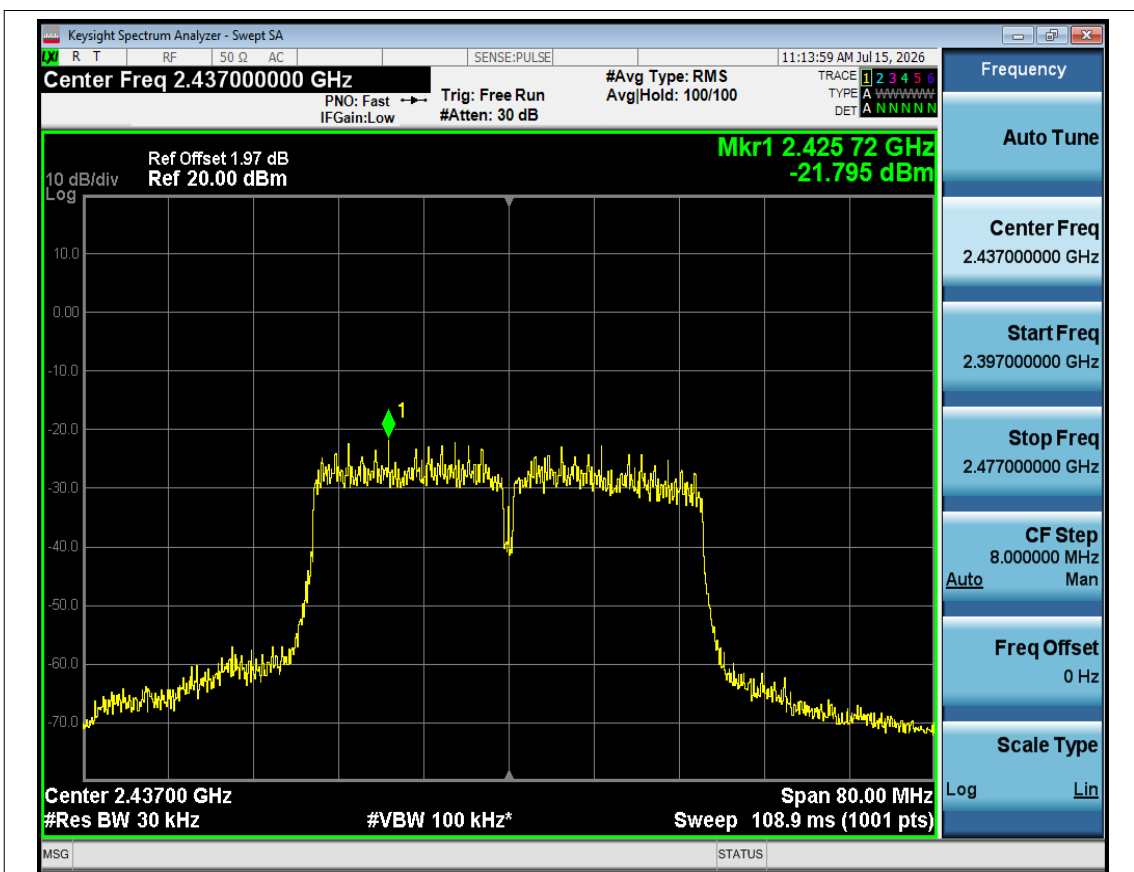
PSD NVNT n20 2437MHz Ant1



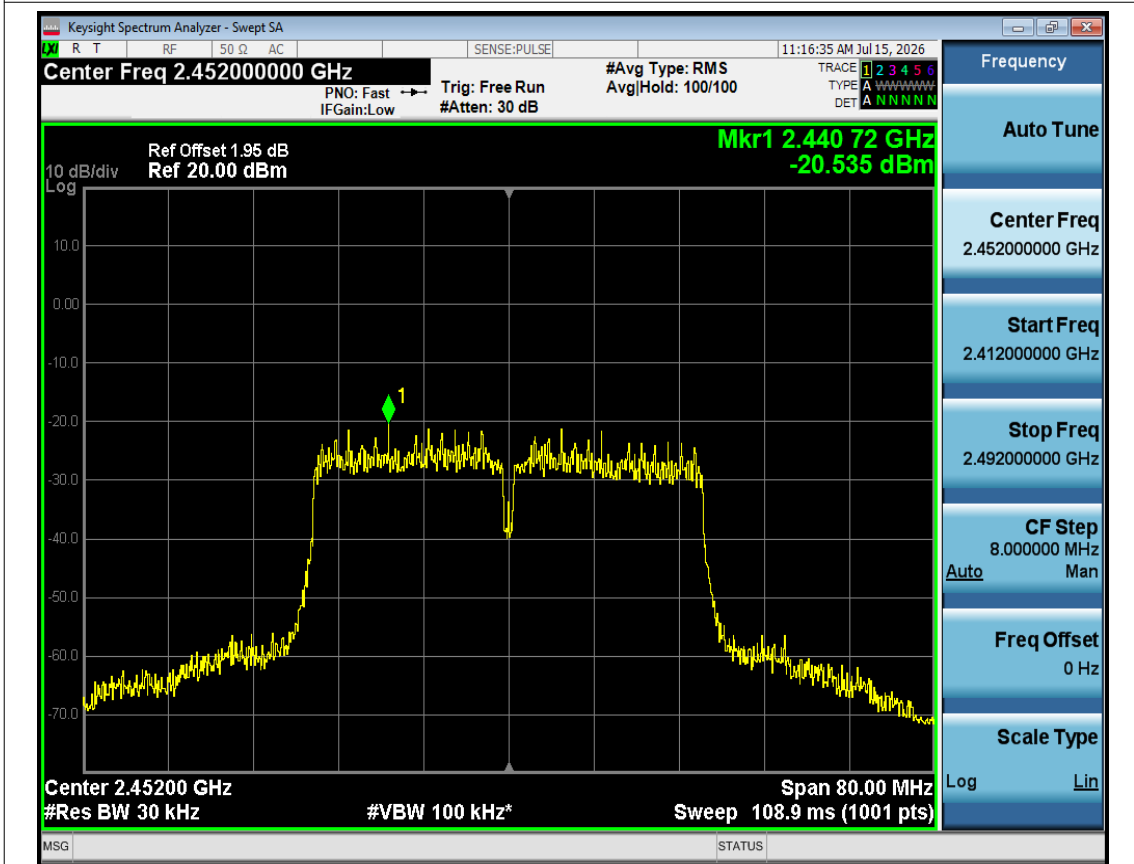
PSD NVNT n20 2462MHz Ant1



PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



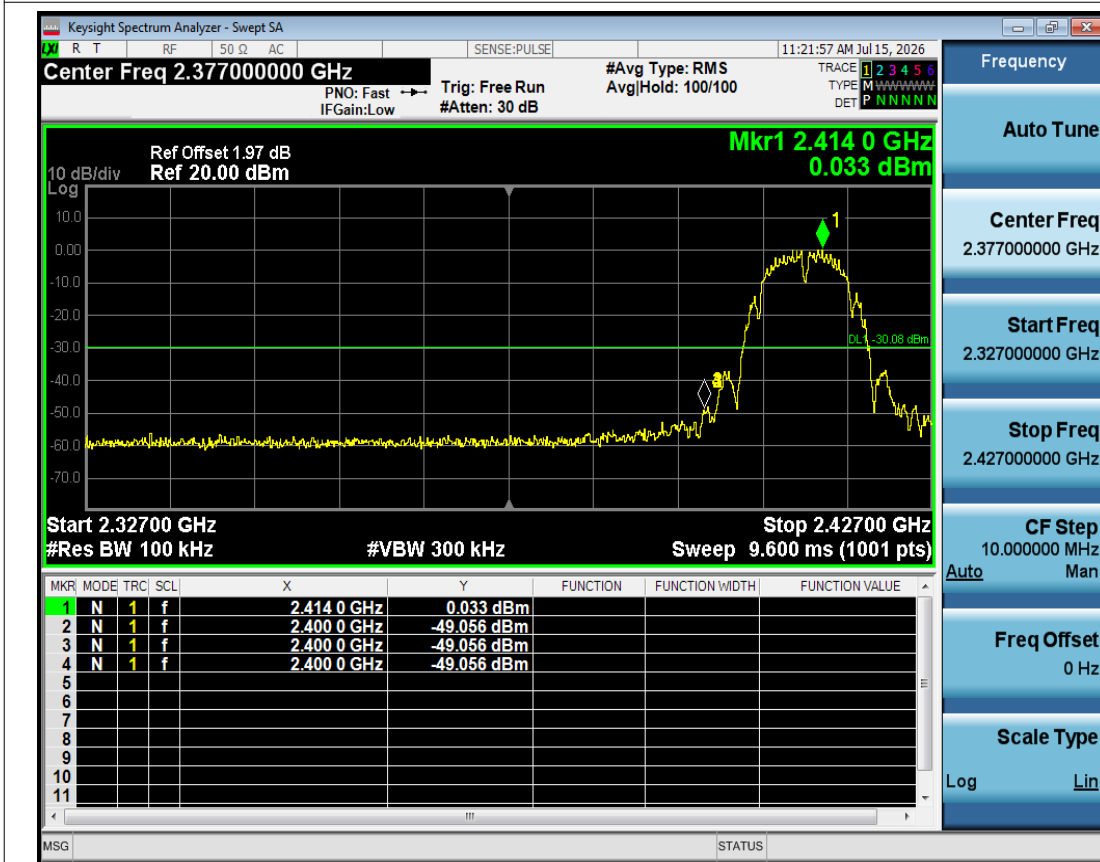
PSD NVNT n40 2452MHz Ant1

Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-48.97	-30	Pass
NVNT	b	2462	Ant1	-54.82	-30	Pass
NVNT	g	2412	Ant1	-33.28	-30	Pass
NVNT	g	2462	Ant1	-42.02	-30	Pass
NVNT	n20	2412	Ant1	-31.55	-30	Pass
NVNT	n20	2462	Ant1	-39.87	-30	Pass
NVNT	n40	2422	Ant1	-33.63	-30	Pass
NVNT	n40	2452	Ant1	-38.8	-30	Pass



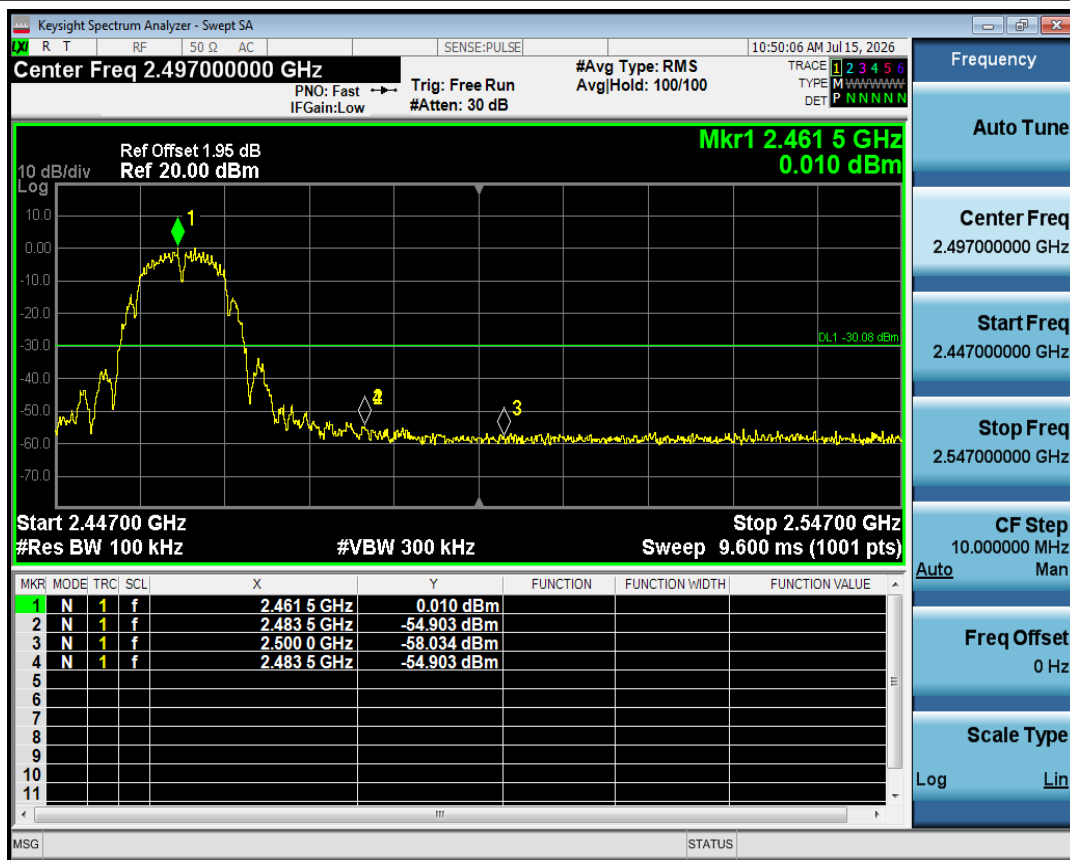
Band Edge NVNT b 2412MHz Ant1 Ref



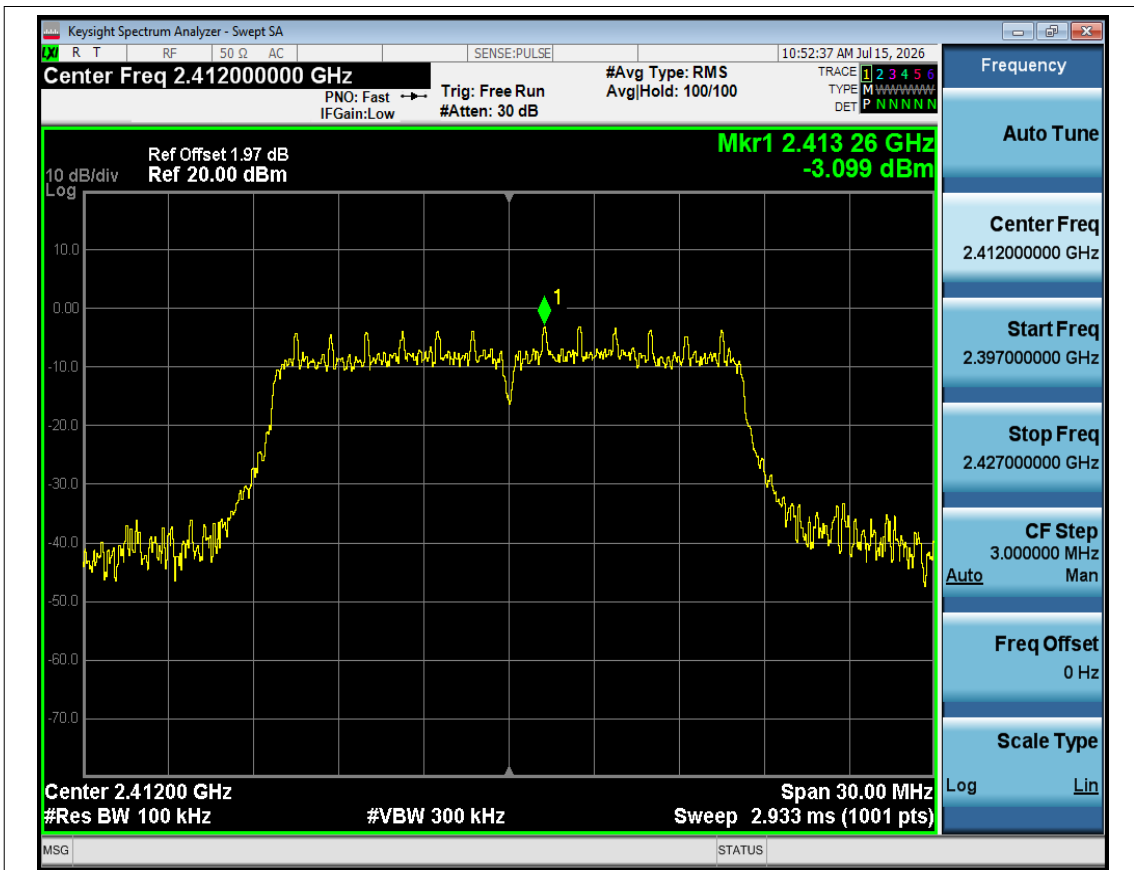
Band Edge NVNT b 2412MHz Ant1 Emission



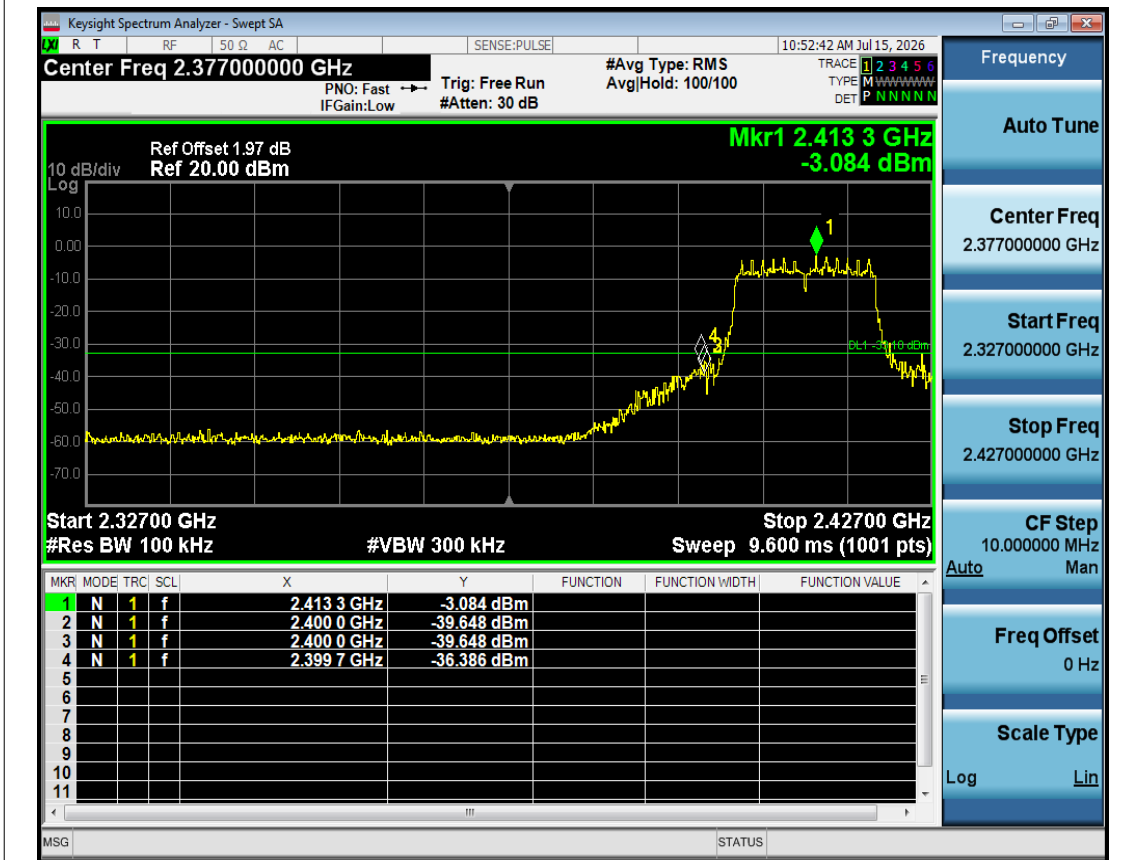
Band Edge NVNT b 2462MHz Ant1 Ref



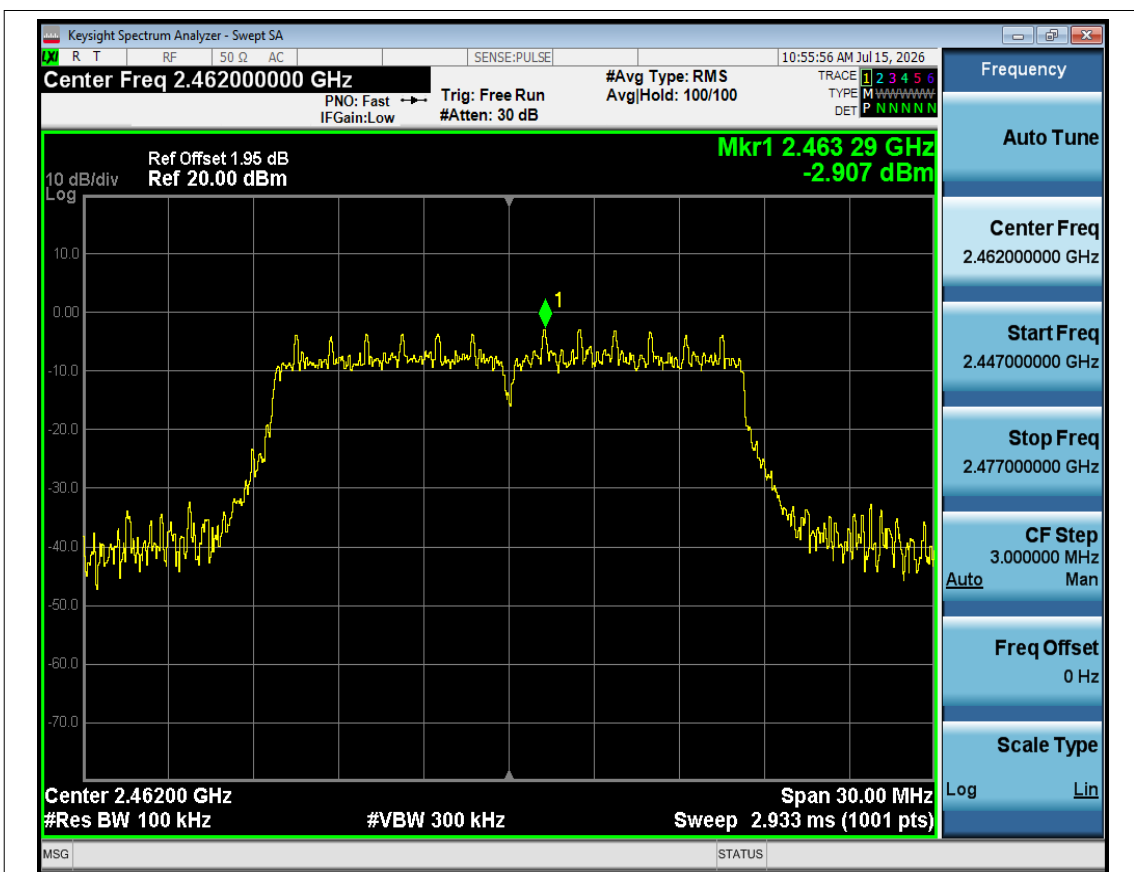
Band Edge NVNT b 2462MHz Ant1 Emission



Band Edge NVNT g 2412MHz Ant1 Ref



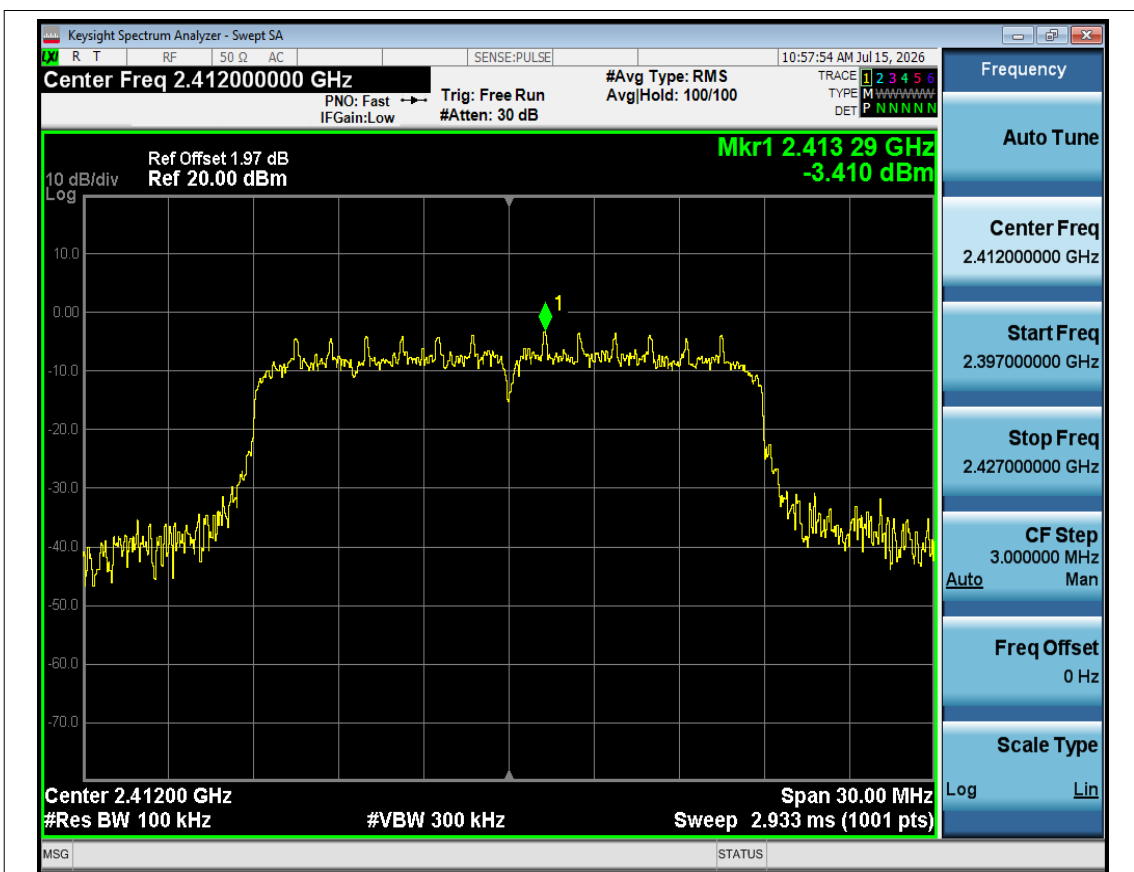
Band Edge NVNT g 2412MHz Ant1 Emission



Band Edge NVNT g 2462MHz Ant1 Ref



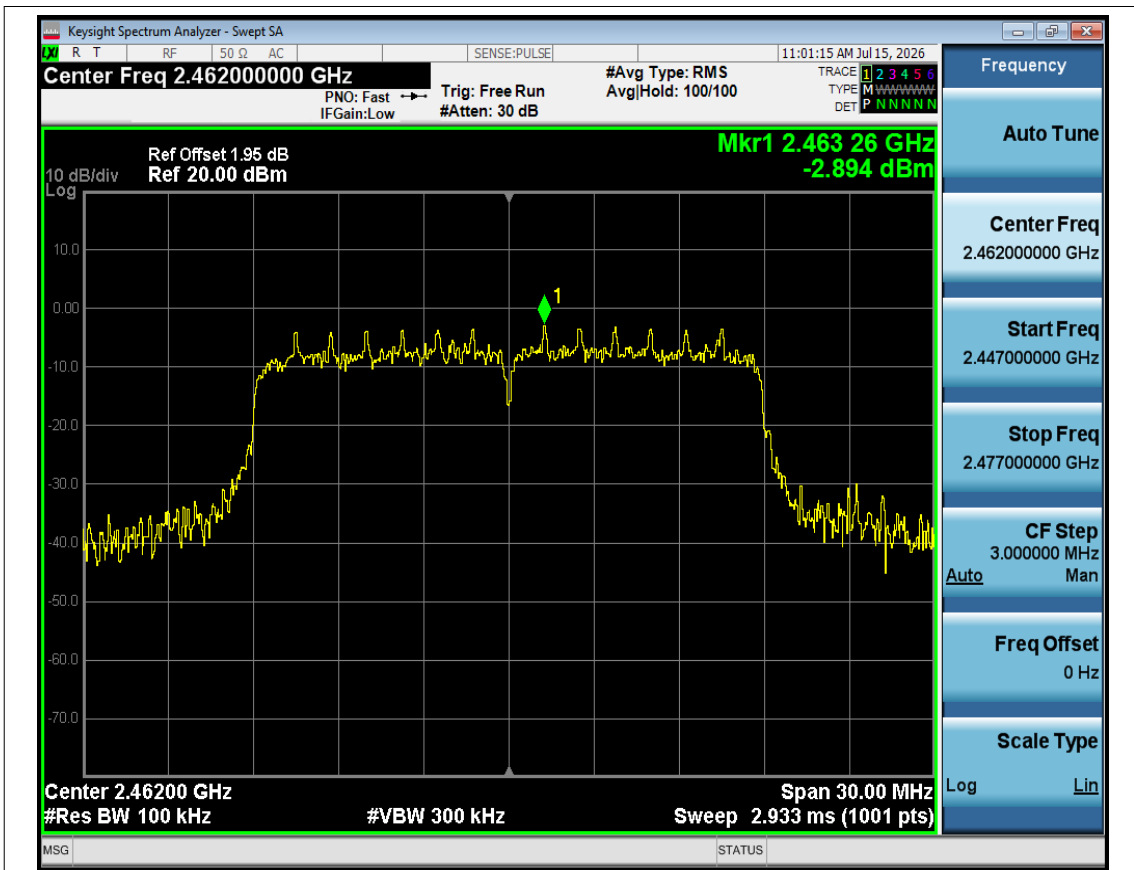
Band Edge NVNT g 2462MHz Ant1 Emission



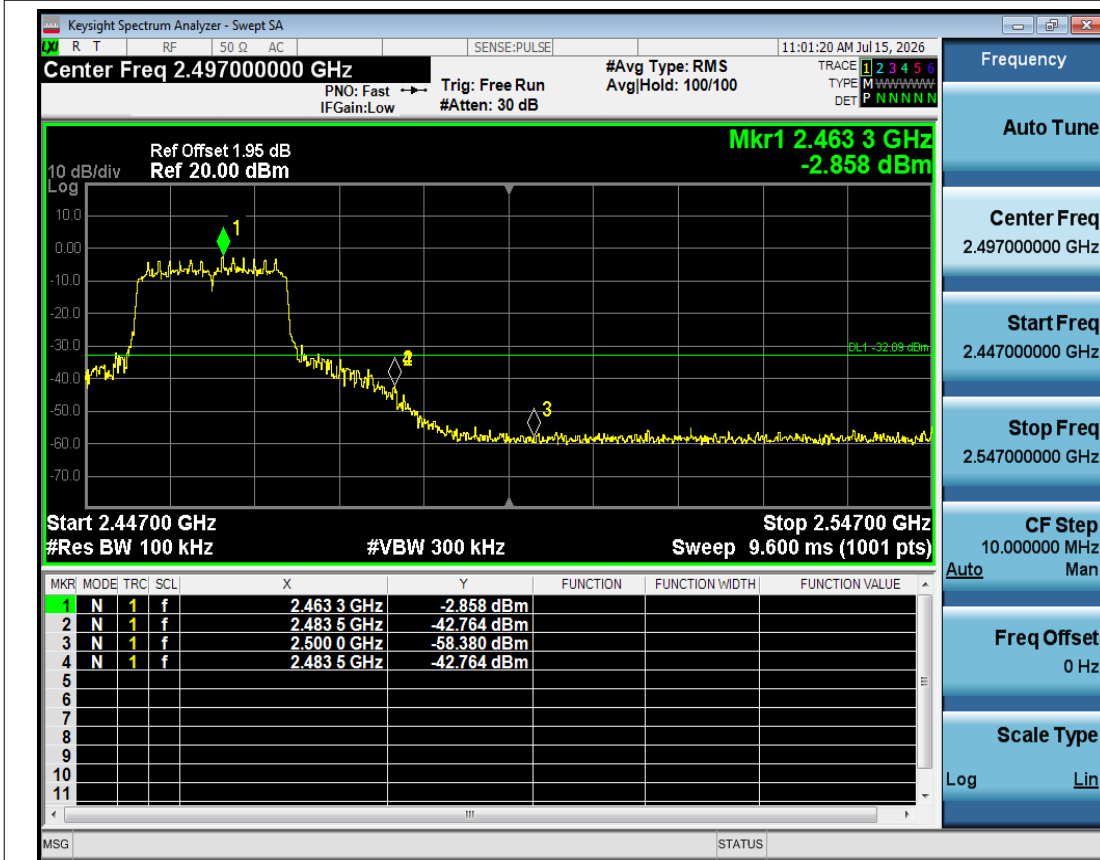
Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



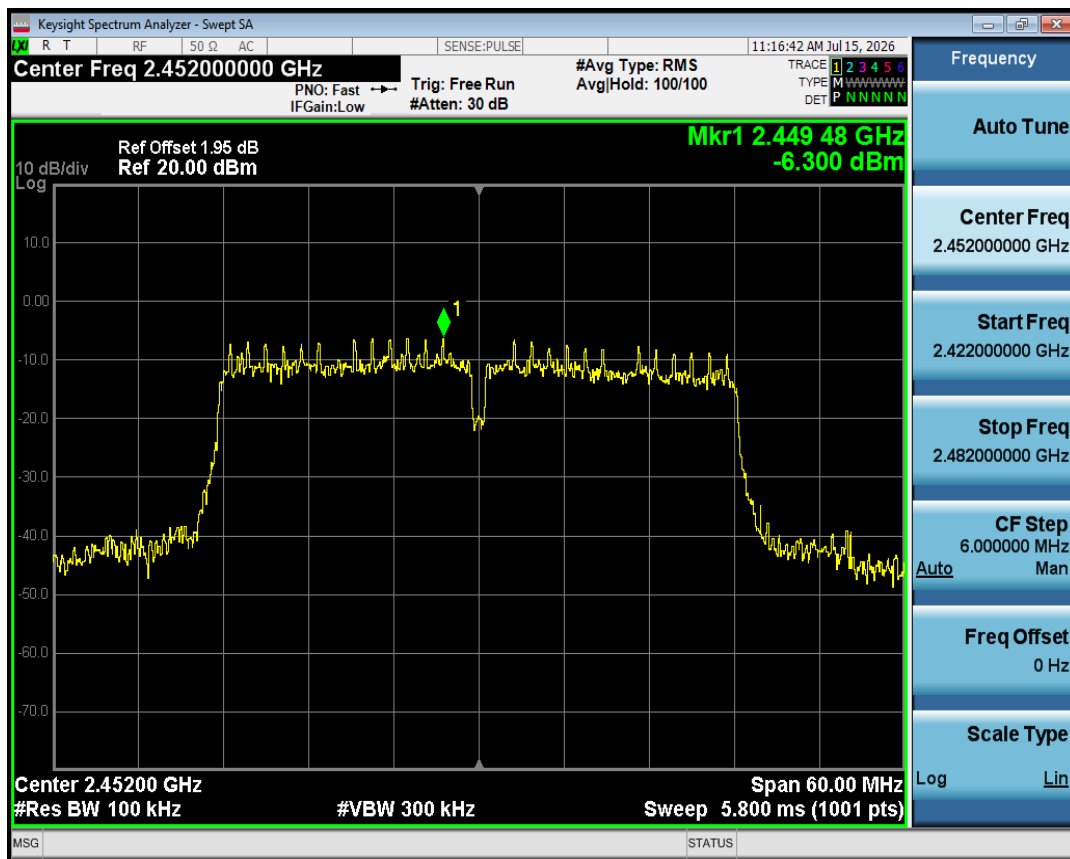
Band Edge NVNT n20 2462MHz Ant1 Emission



Band Edge NVNT n40 2422MHz Ant1 Ref



Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



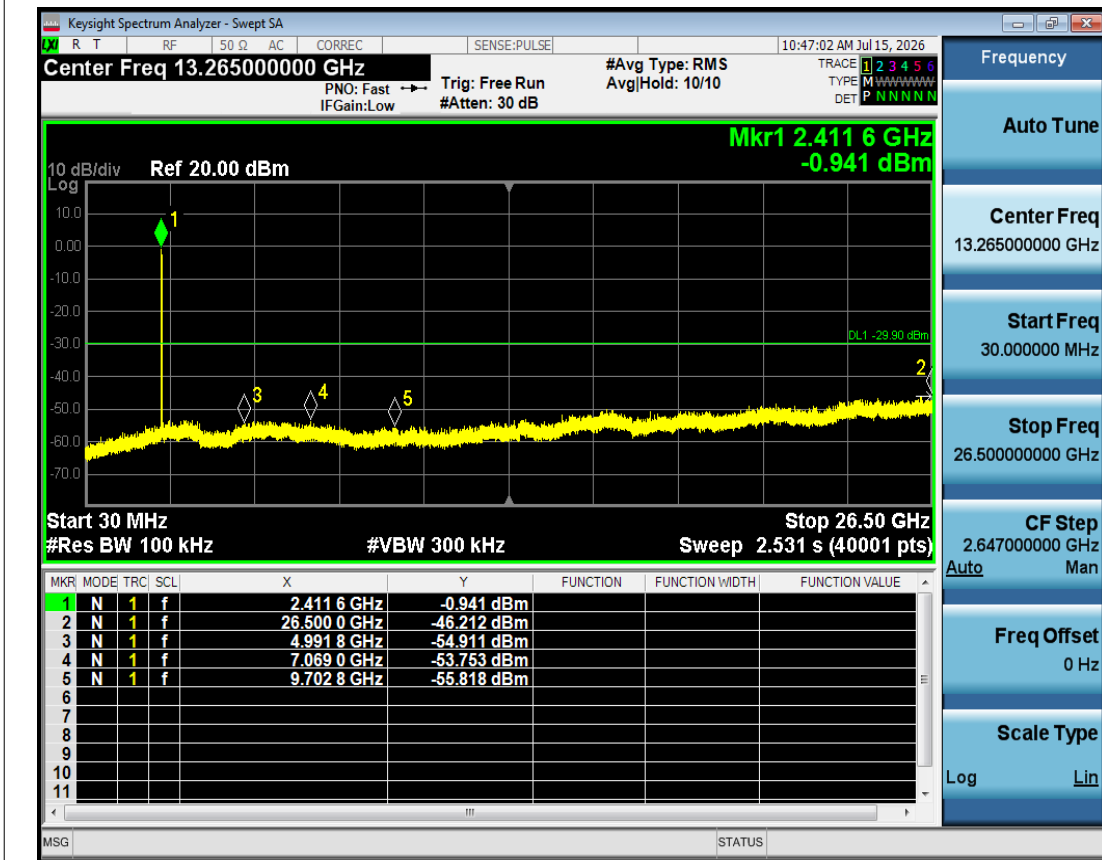
Band Edge NVNT n40 2452MHz Ant1 Emission

Conducted RF Spurious Emission

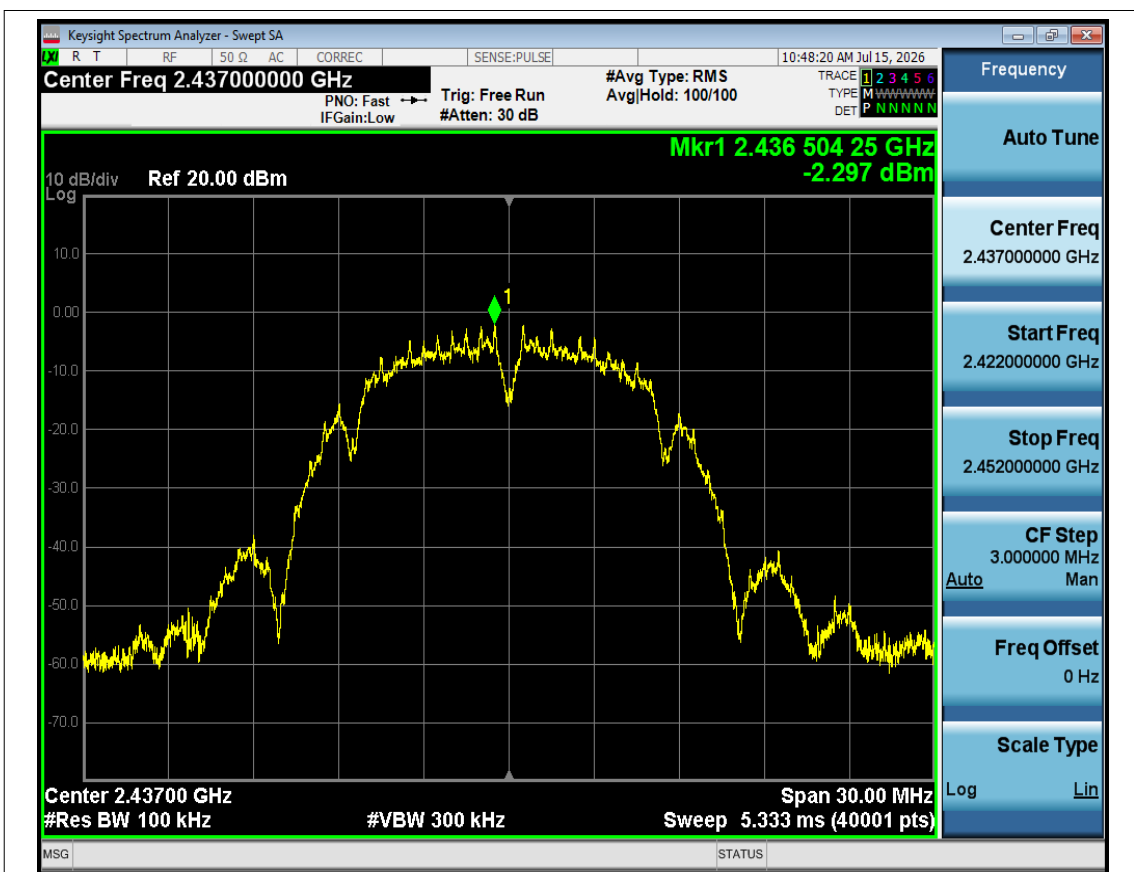
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-46.31	-30	Pass
NVNT	b	2437	Ant1	-43.99	-30	Pass
NVNT	b	2462	Ant1	-45.28	-30	Pass
NVNT	g	2412	Ant1	-42.72	-30	Pass
NVNT	g	2437	Ant1	-40.17	-30	Pass
NVNT	g	2462	Ant1	-42.9	-30	Pass
NVNT	n20	2412	Ant1	-41.77	-30	Pass
NVNT	n20	2437	Ant1	-47.19	-30	Pass
NVNT	n20	2462	Ant1	-43.19	-30	Pass
NVNT	n40	2422	Ant1	-38.86	-30	Pass
NVNT	n40	2437	Ant1	-38.6	-30	Pass
NVNT	n40	2452	Ant1	-39.85	-30	Pass



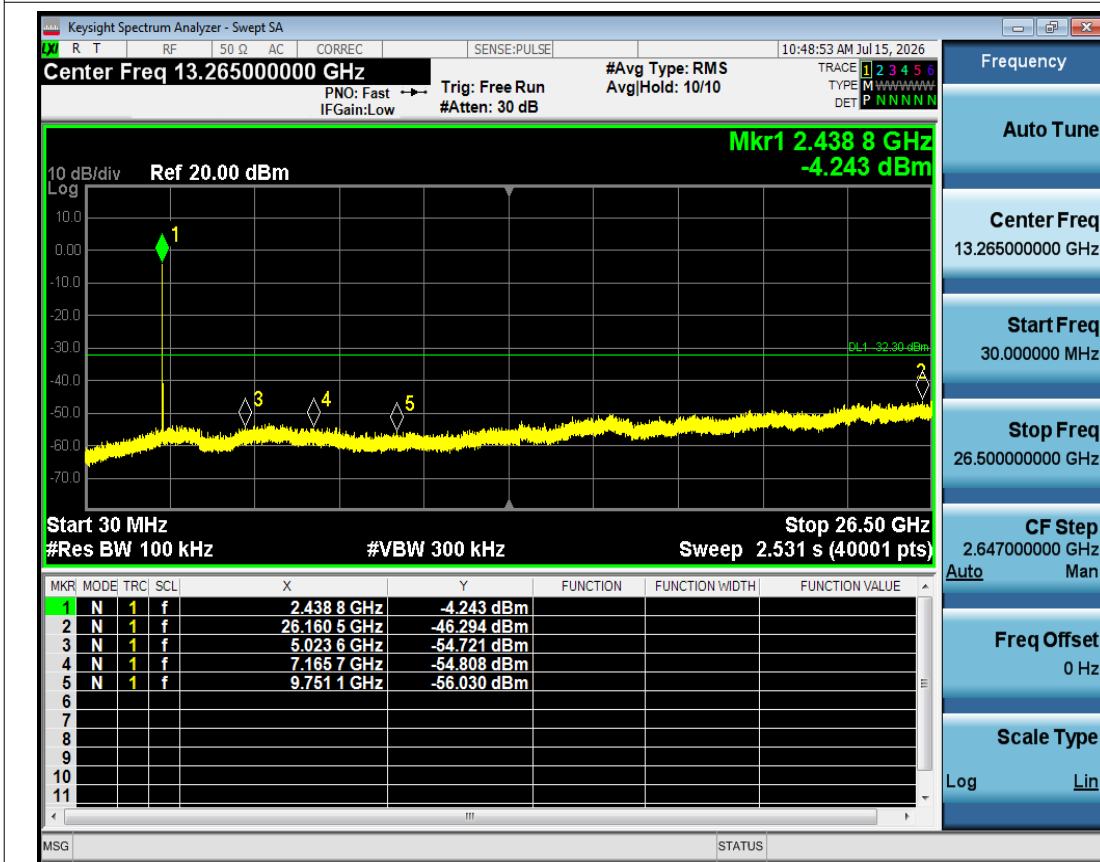
Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



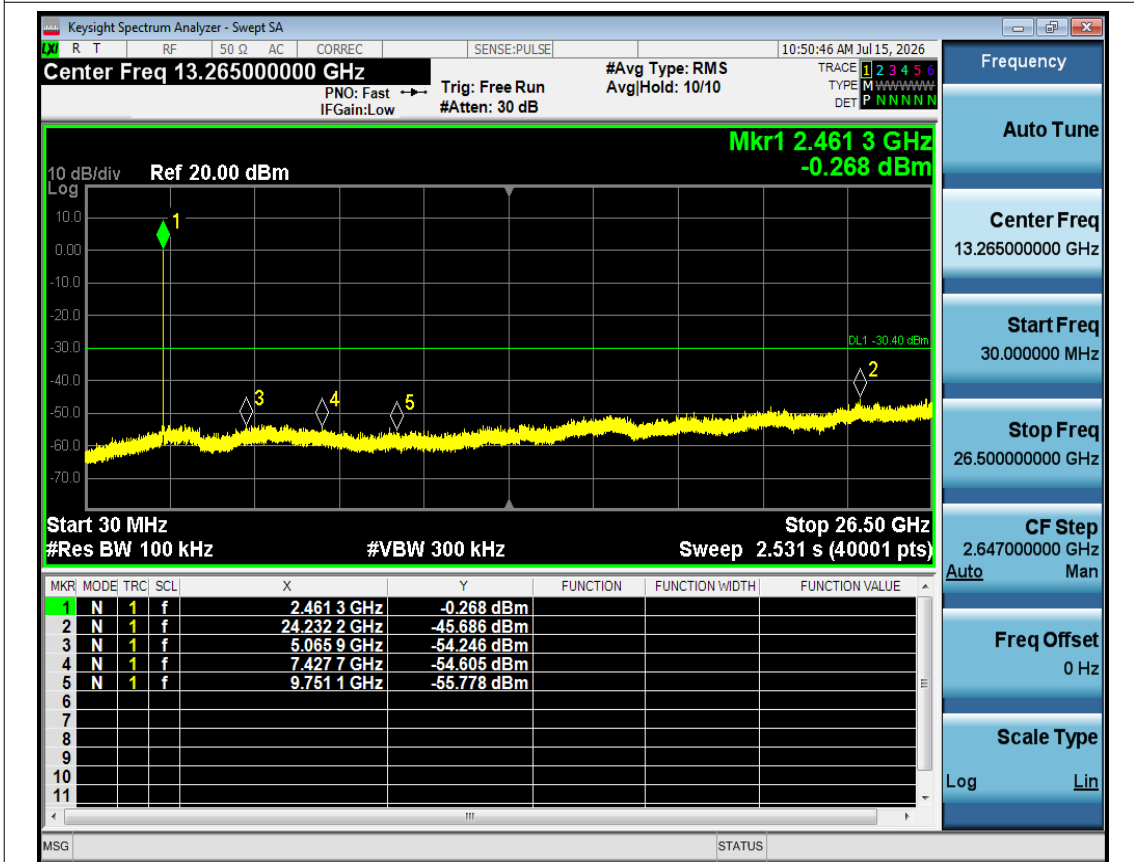
Tx. Spurious NVNT b 2437MHz Ant1 Ref



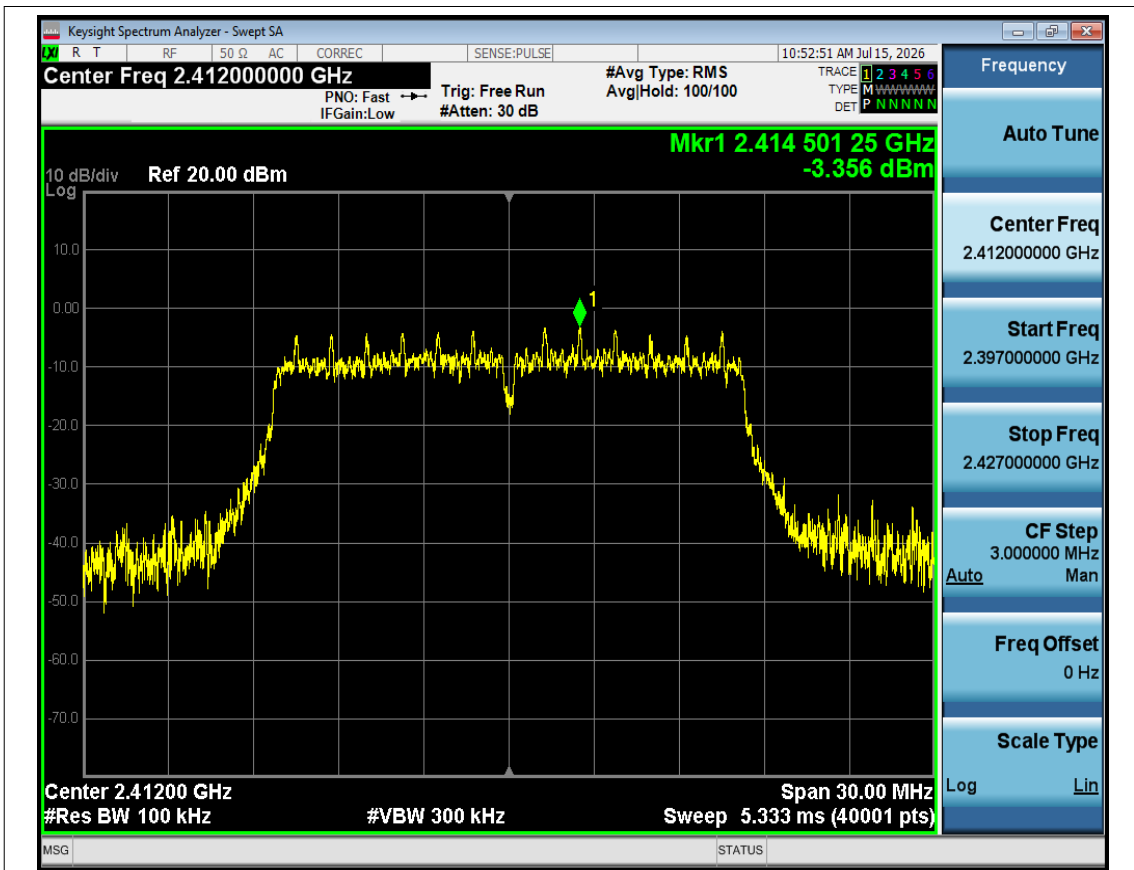
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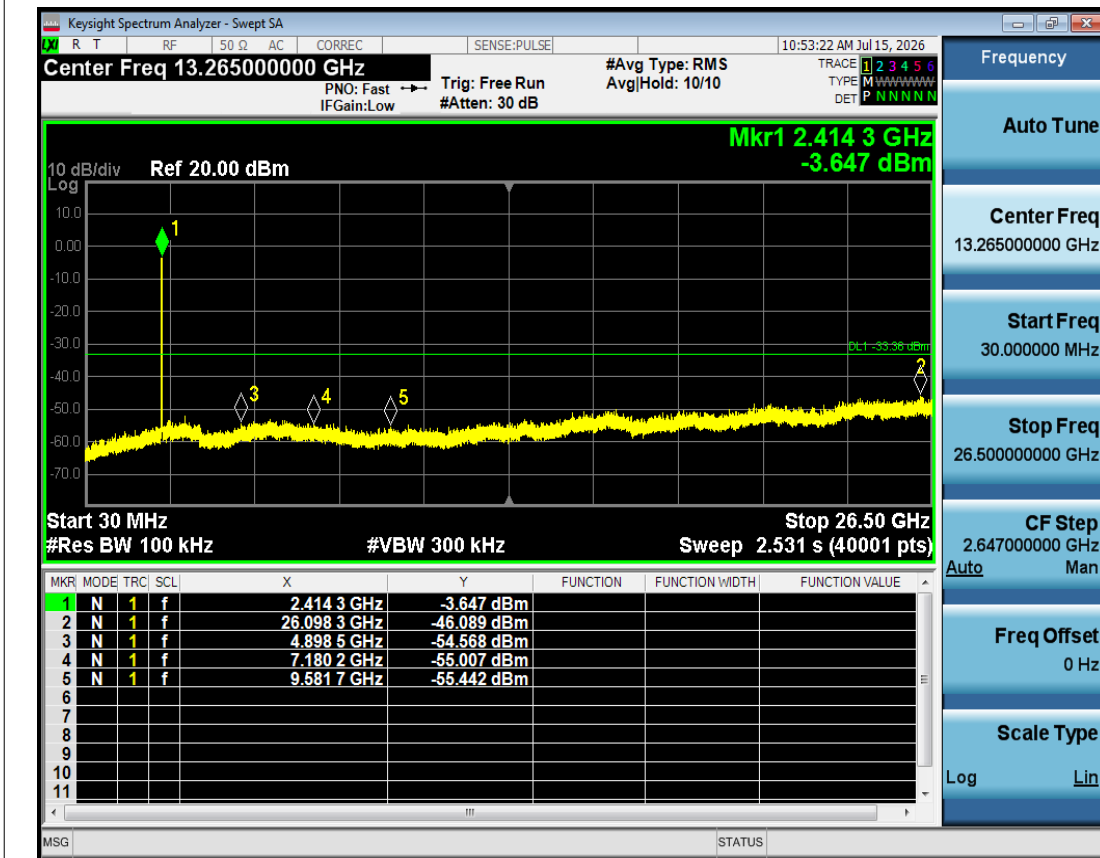
Tx. Spurious NVNT b 2462MHz Ant1 Ref



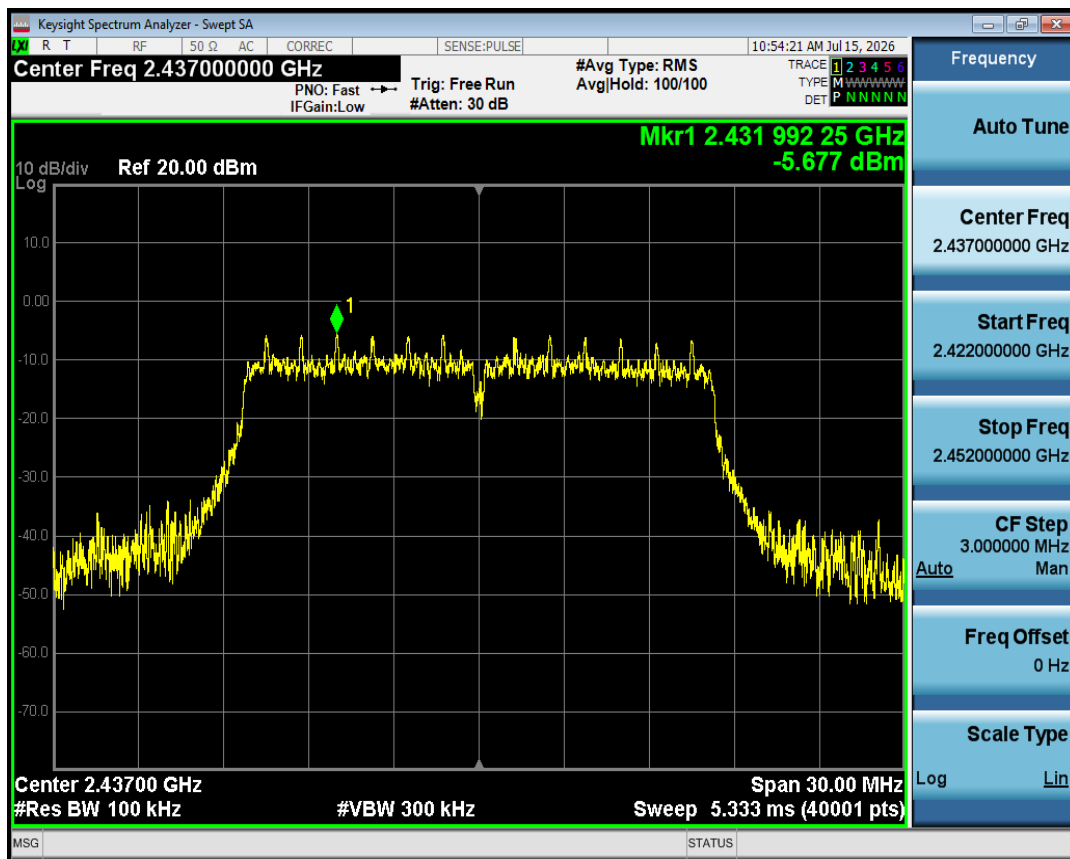
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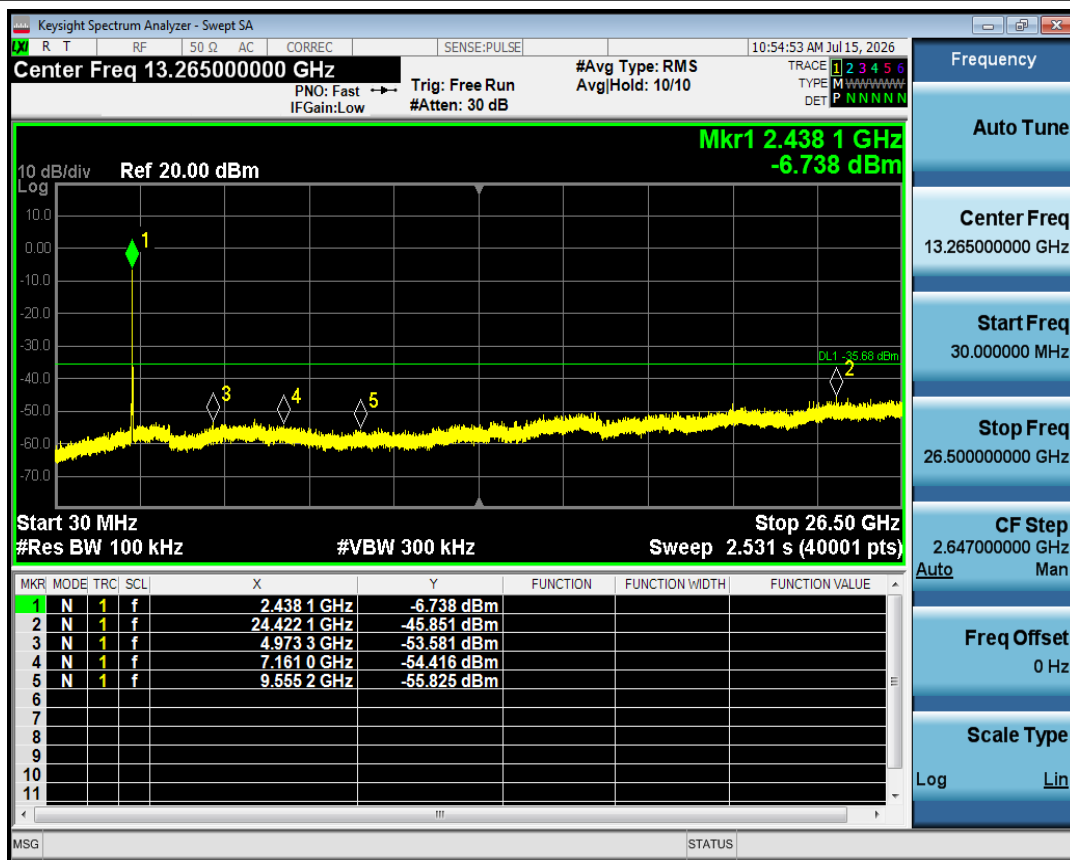
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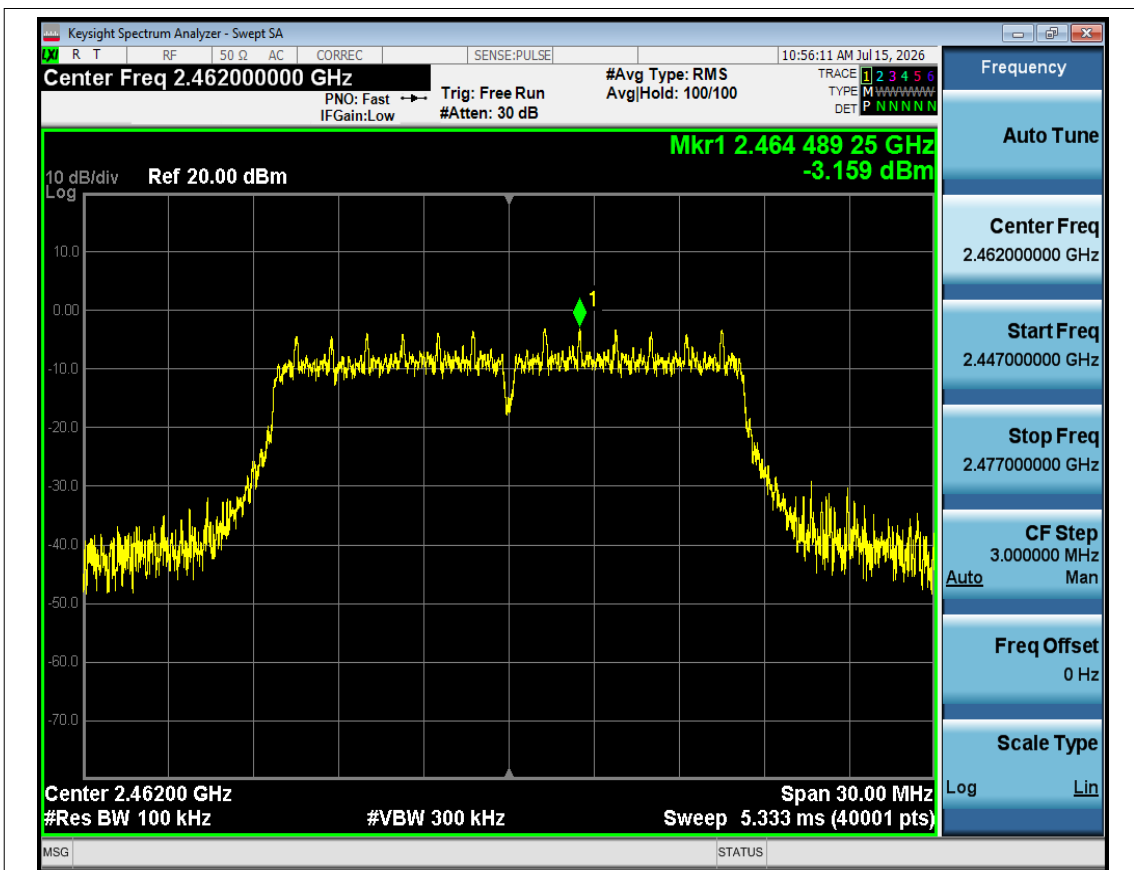
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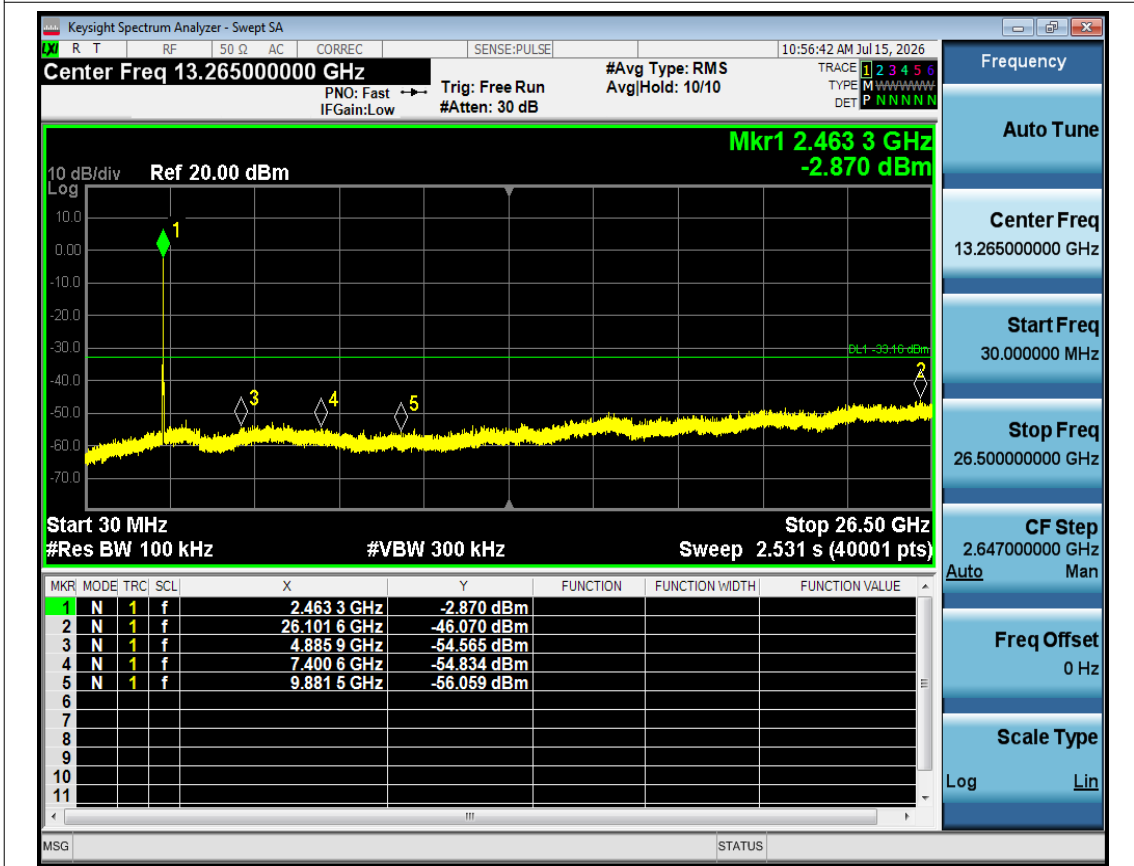
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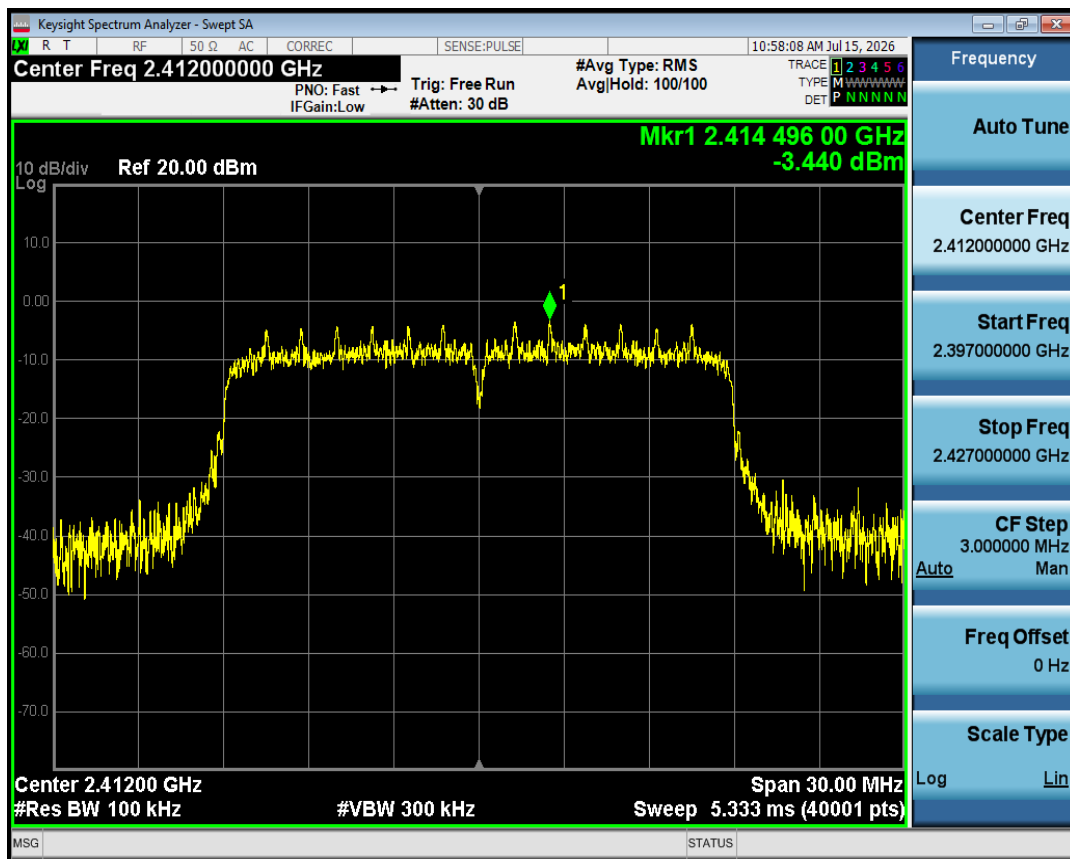
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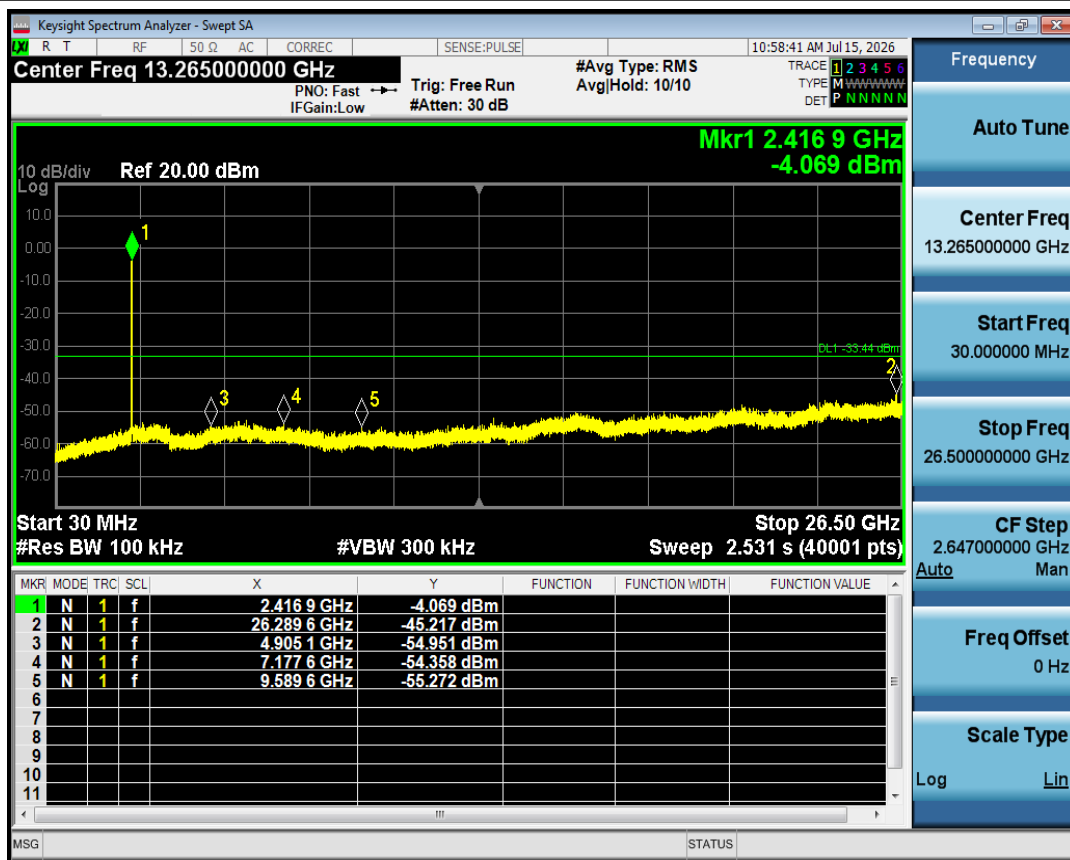
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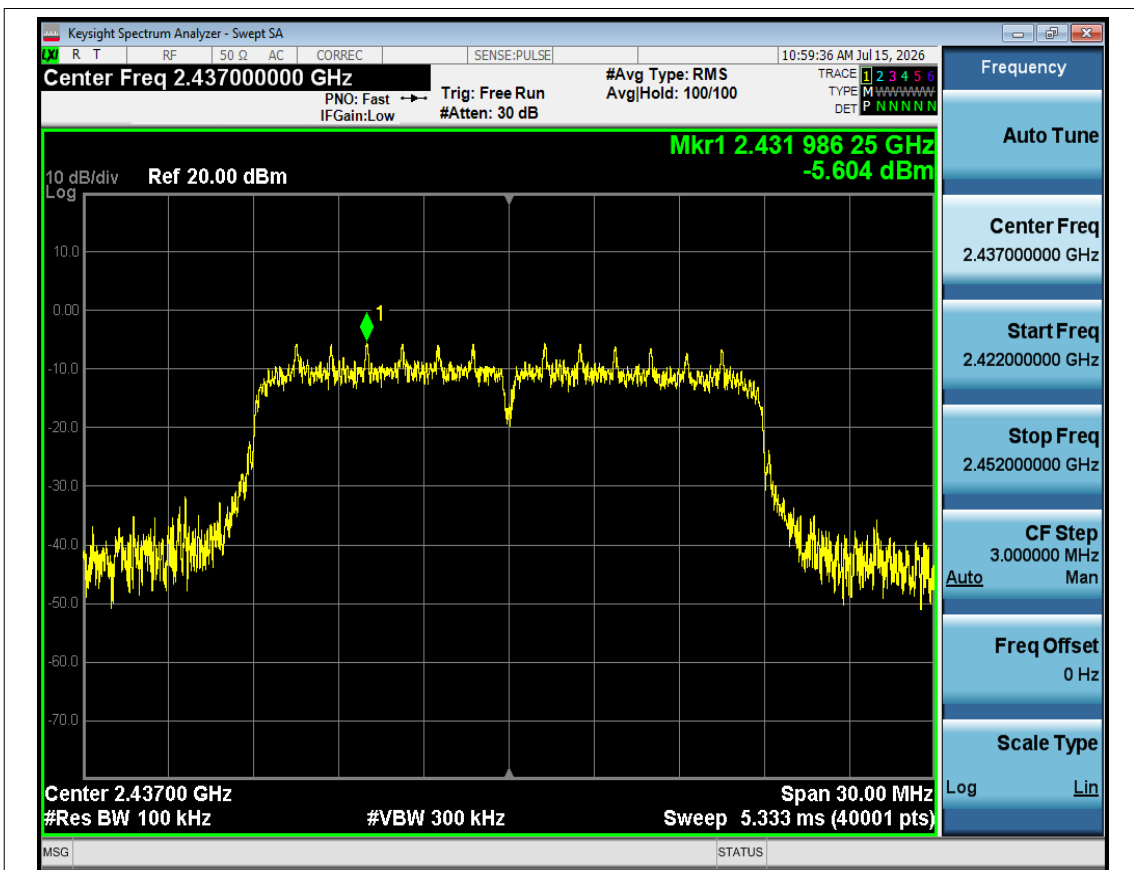
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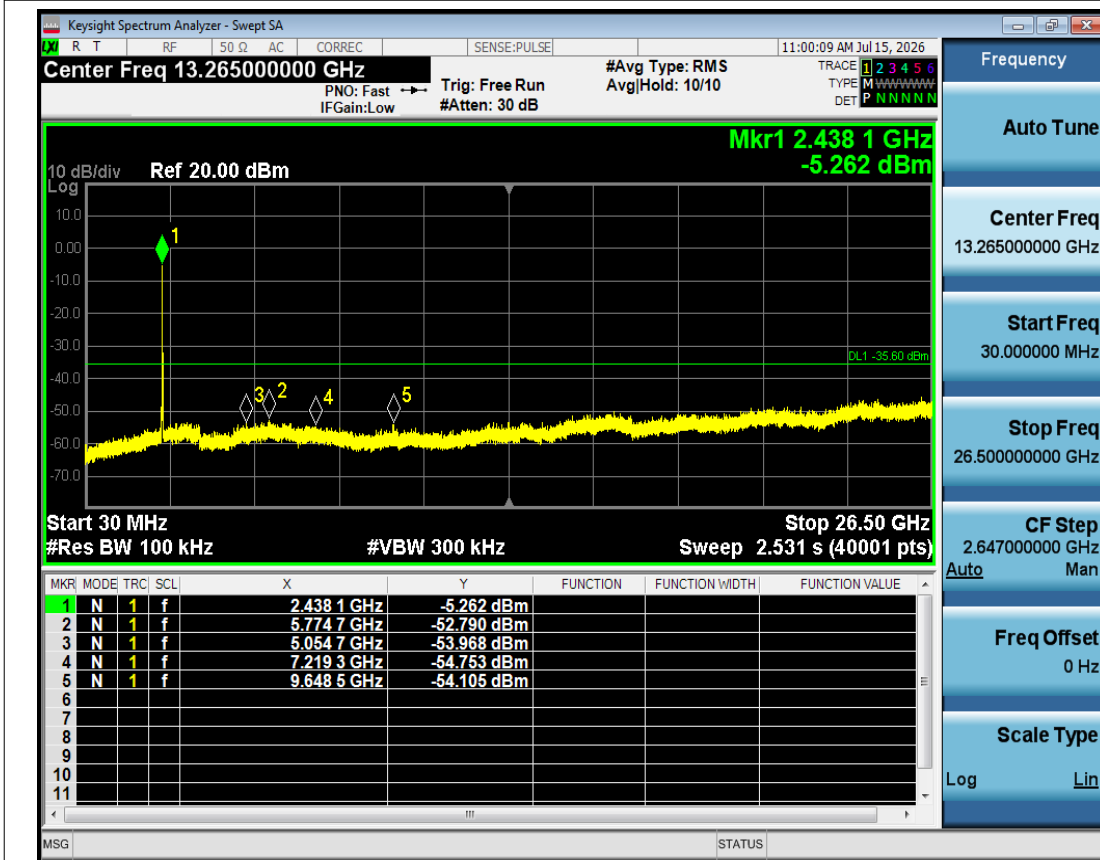
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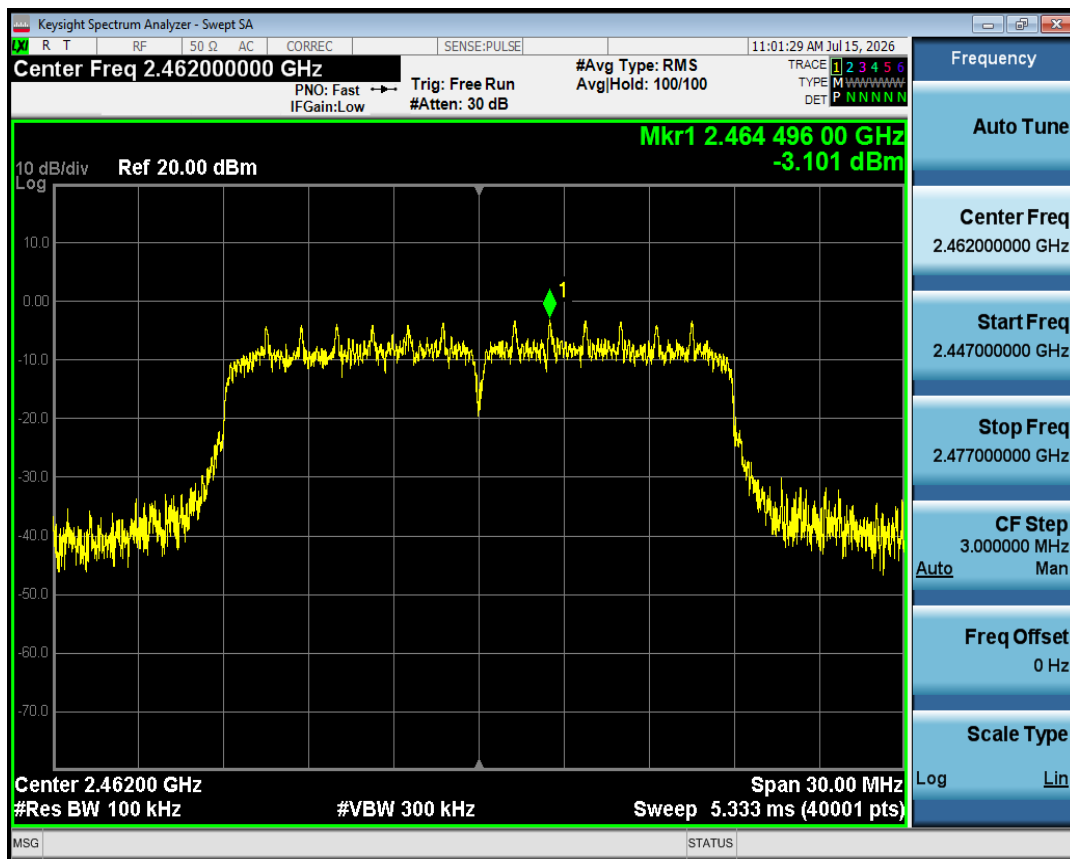
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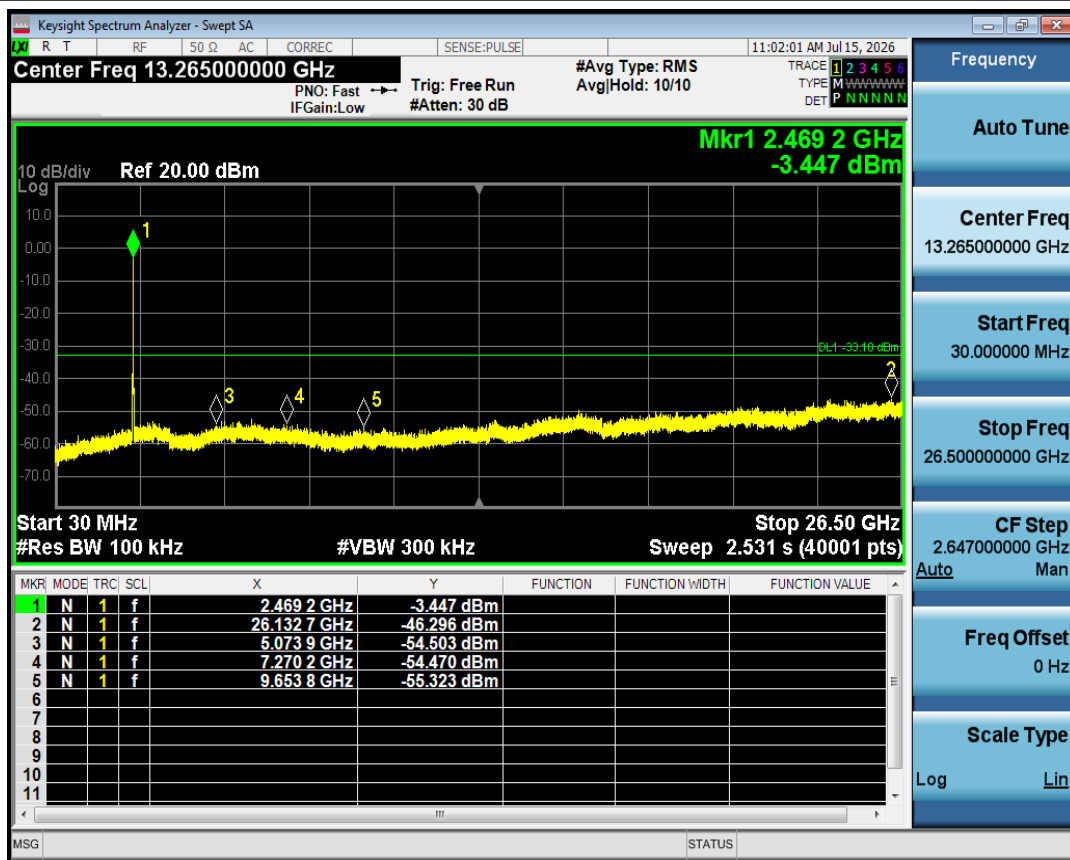
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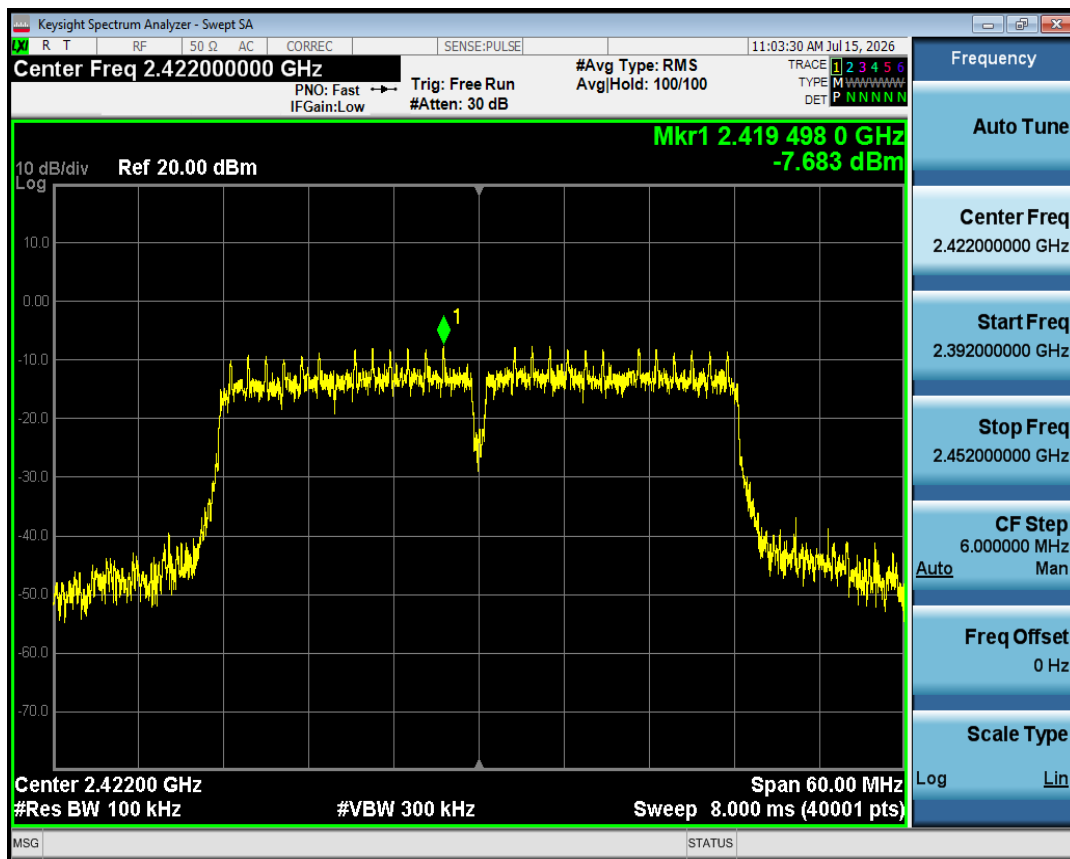
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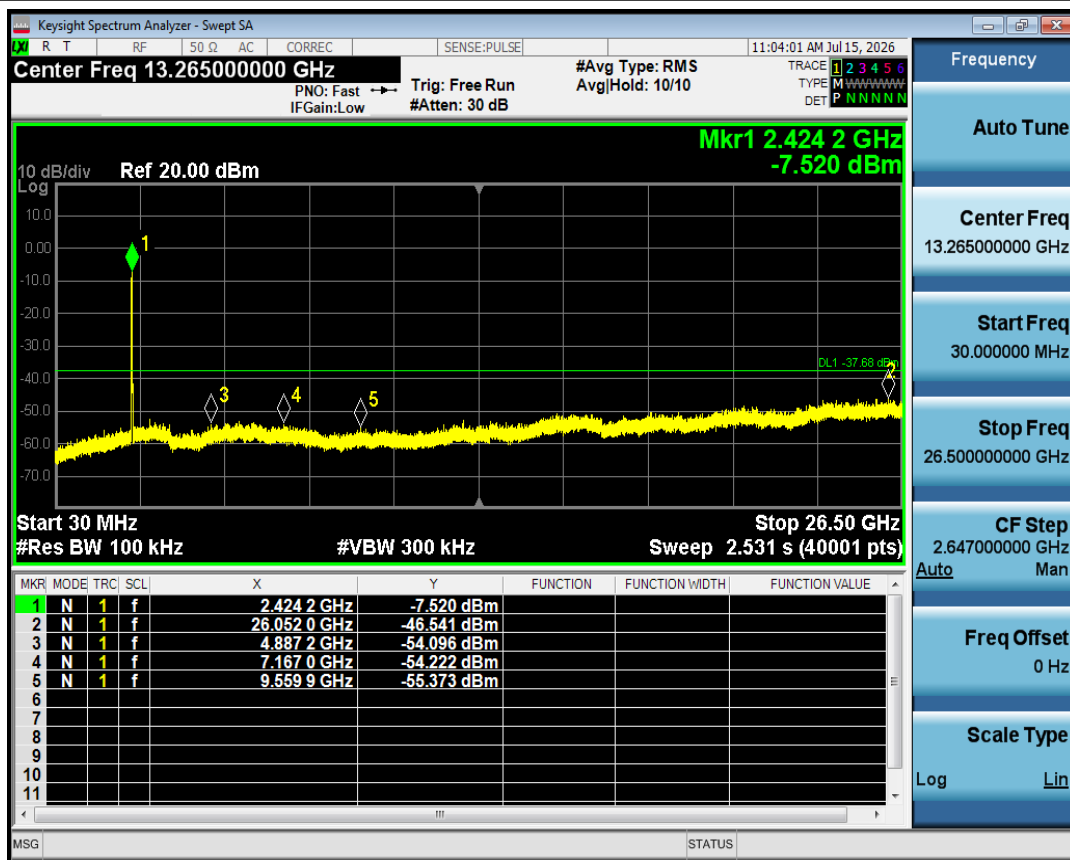
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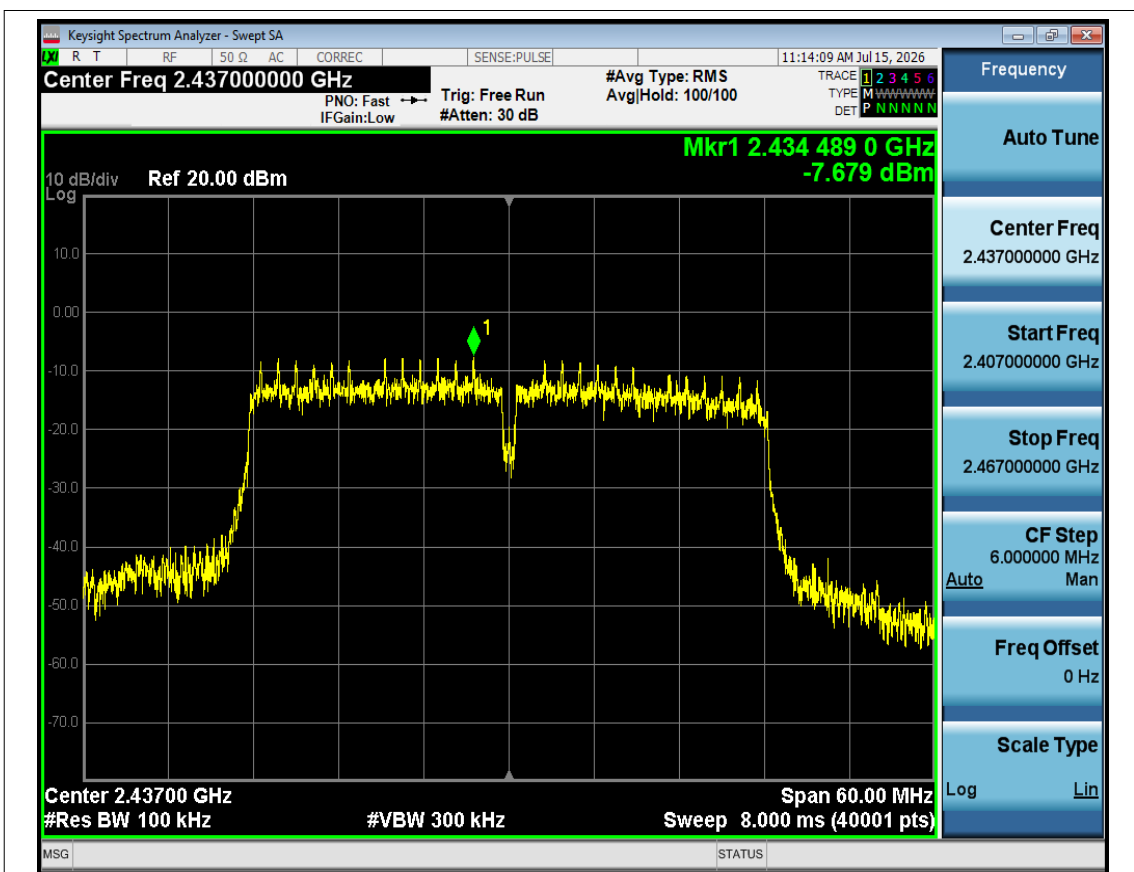
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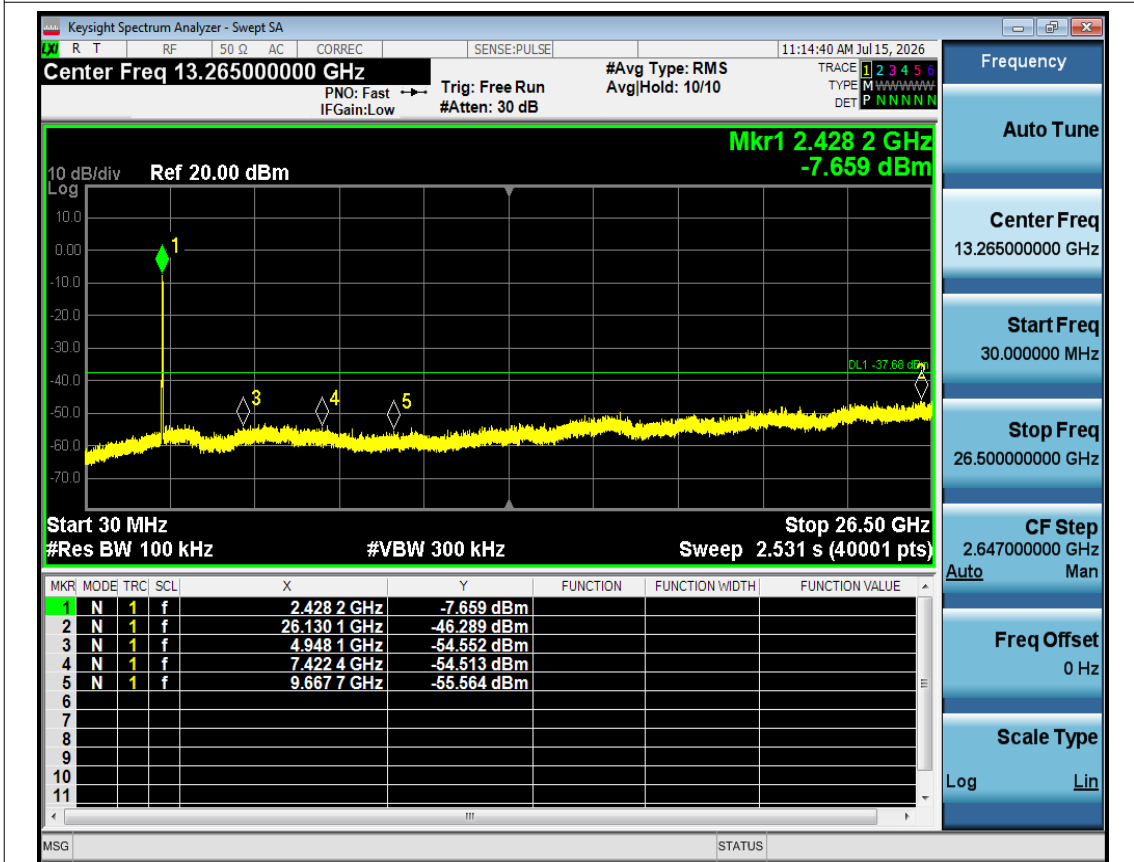
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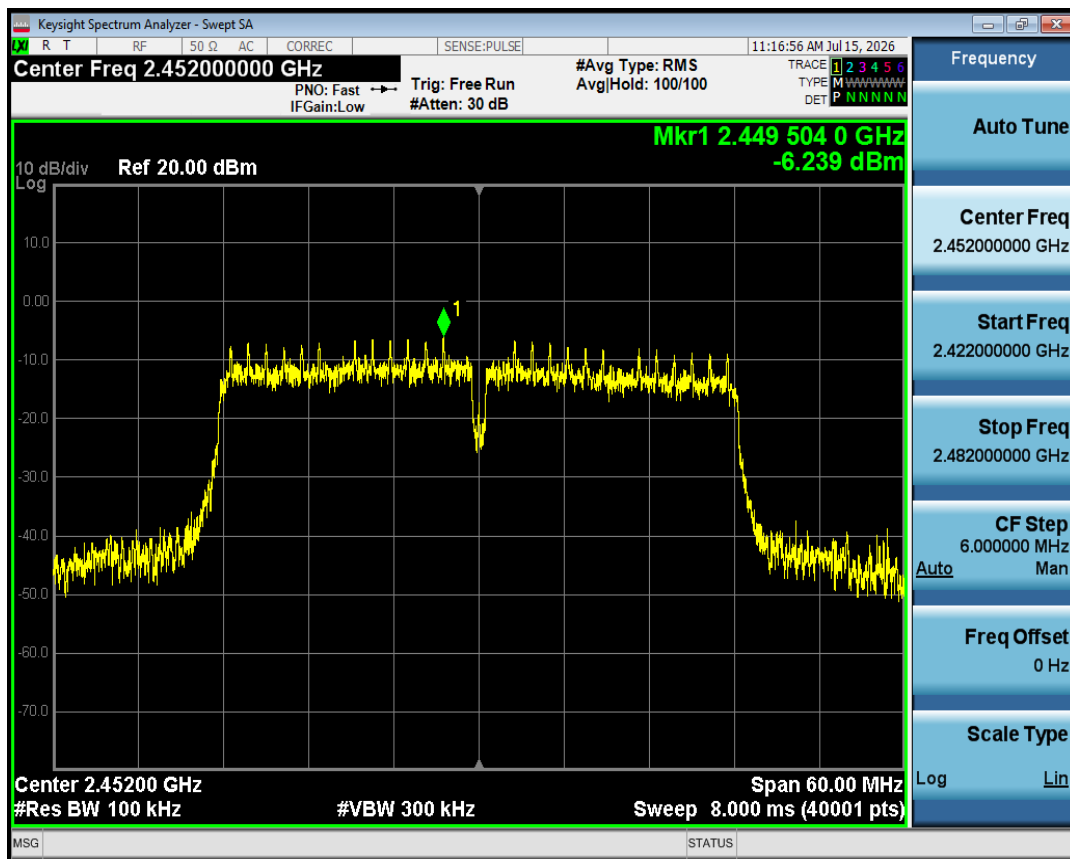
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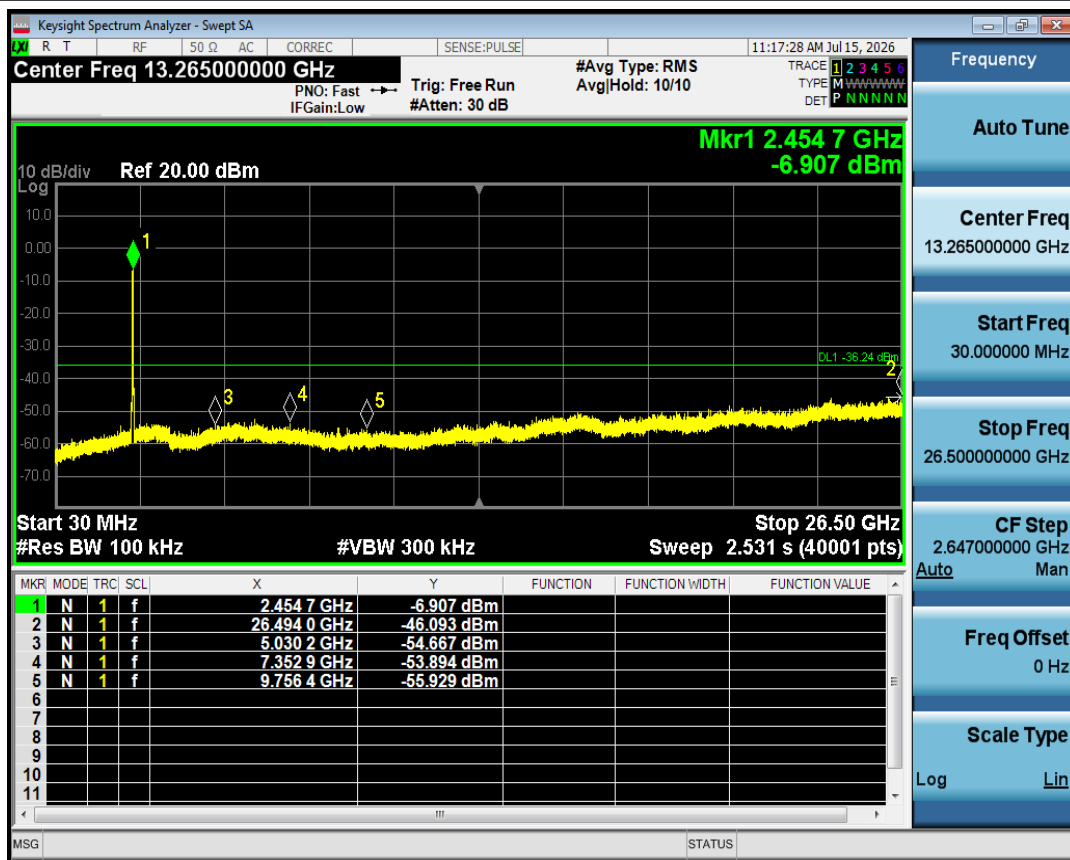
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission