



Appendix A

RF Test Data for 2.4G (Conducted Measurement)

Product Name: Funrclink 2.4G FTX06 Transmitter

Test Model: FTX06

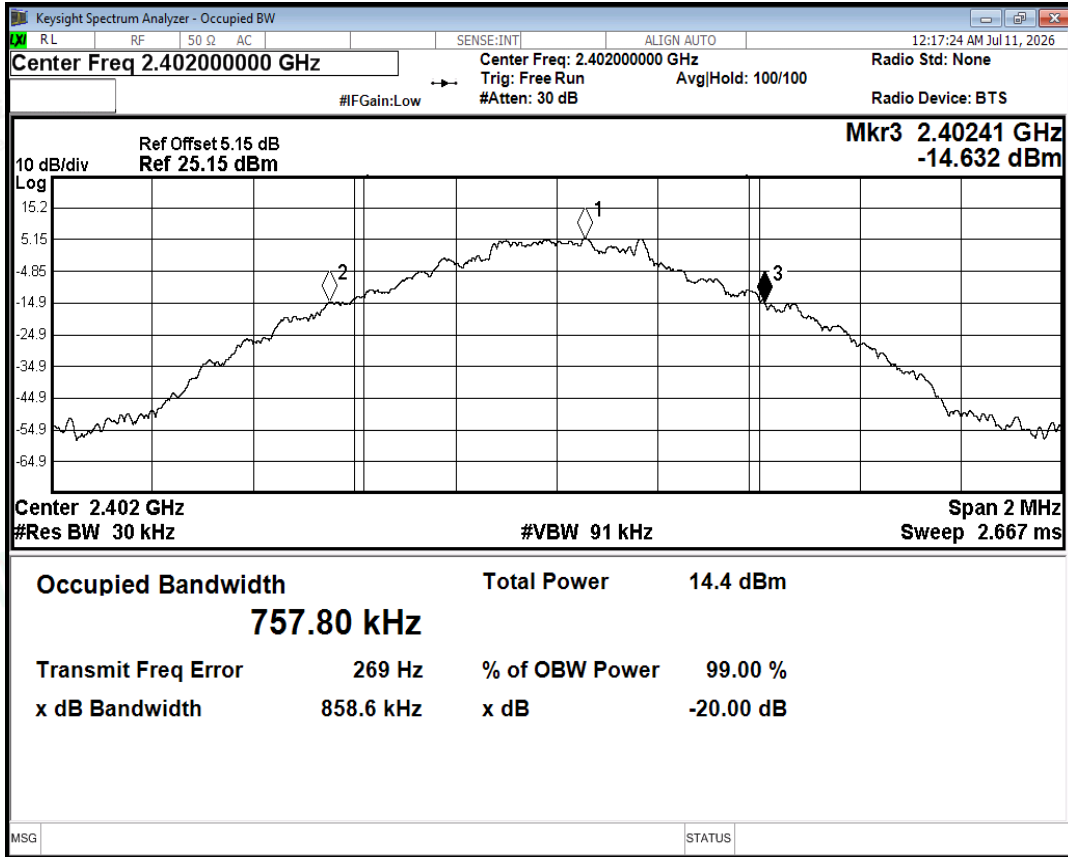
Environmental Conditions

Temperature:	23.2°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun

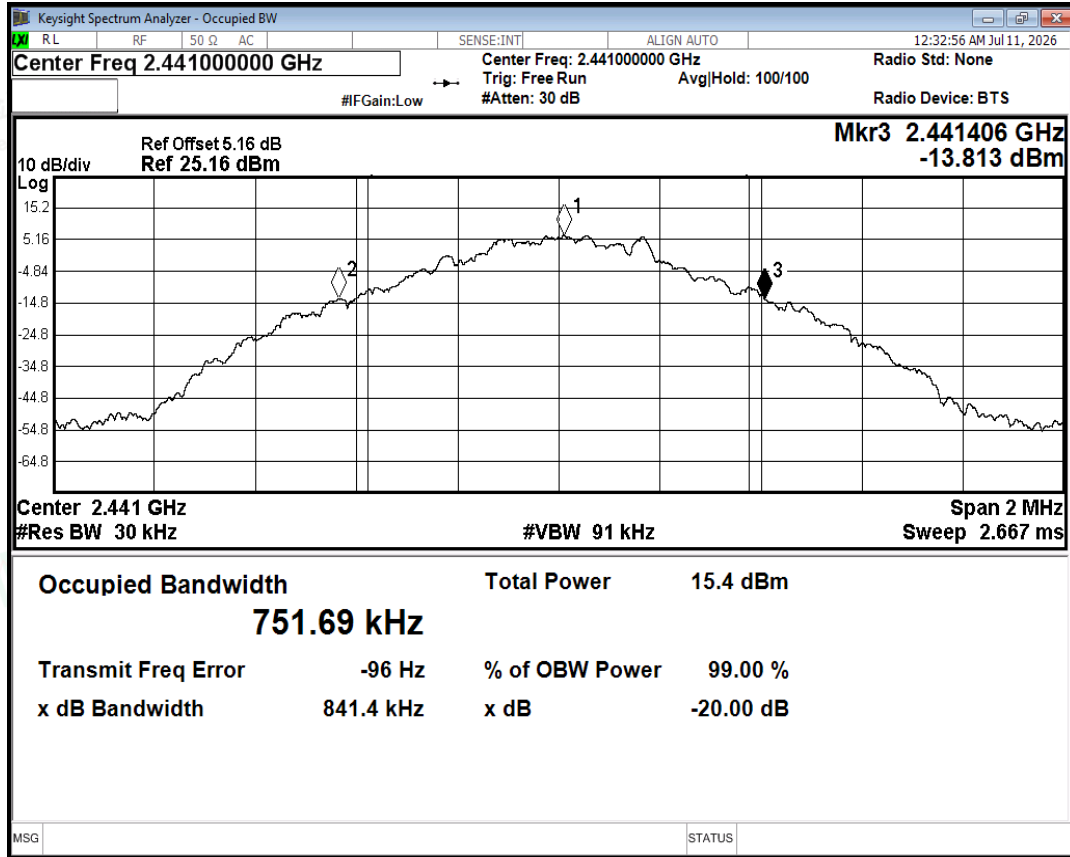


A.1 -20dB Bandwidth

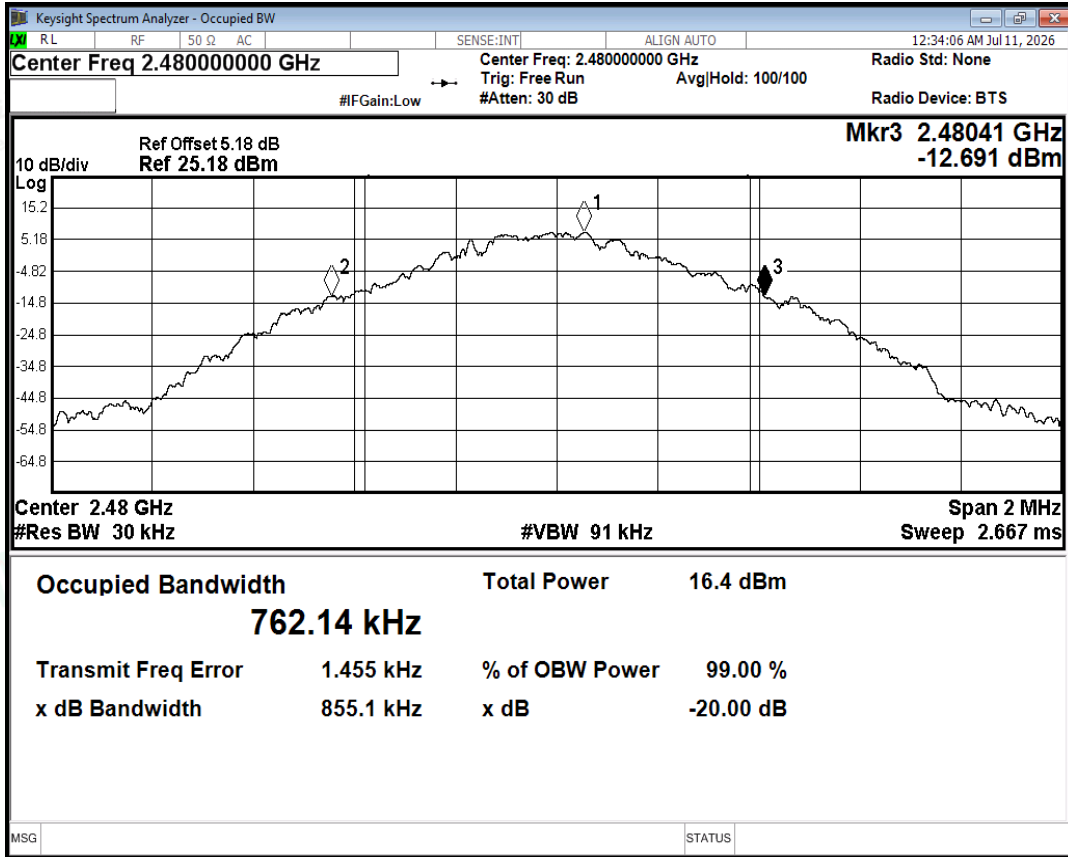
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	2.4G	2402	Ant1	0.8586	NO LIMIT	Pass
NVNT	2.4G	2441	Ant1	0.8414	NO LIMIT	Pass
NVNT	2.4G	2480	Ant1	0.8551	NO LIMIT	Pass



-20dB Bandwidth NVNT 2.4G 2402MHz Ant1



-20dB Bandwidth NVNT 2.4G 2441MHz Ant1

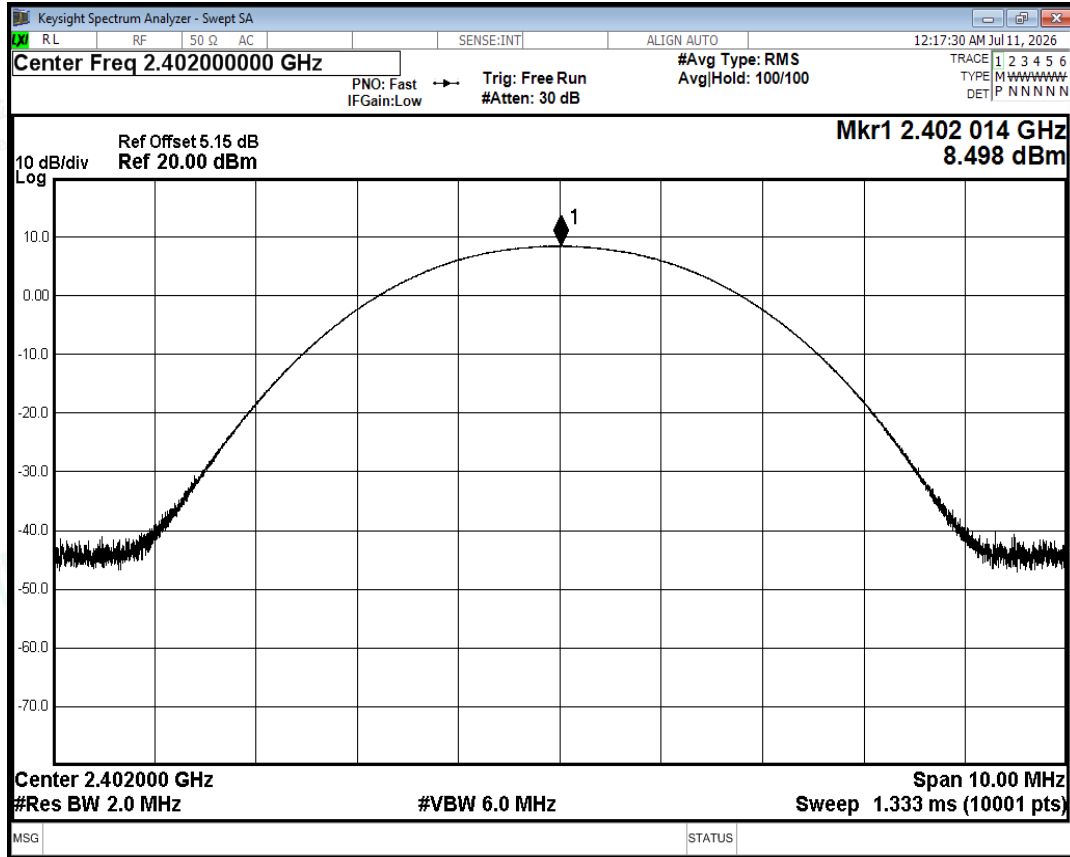


-20dB Bandwidth NVNT 2.4G 2480MHz Ant1

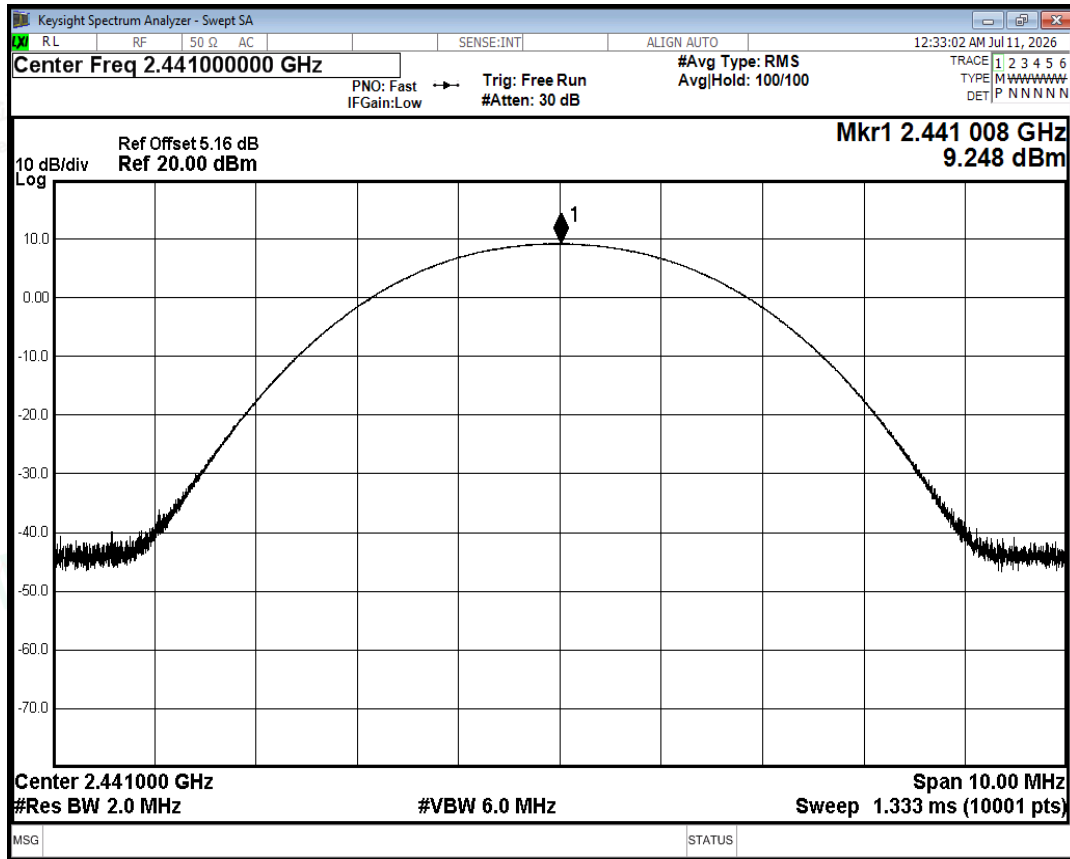


A.2 Maximum Peak Conducted Output Power

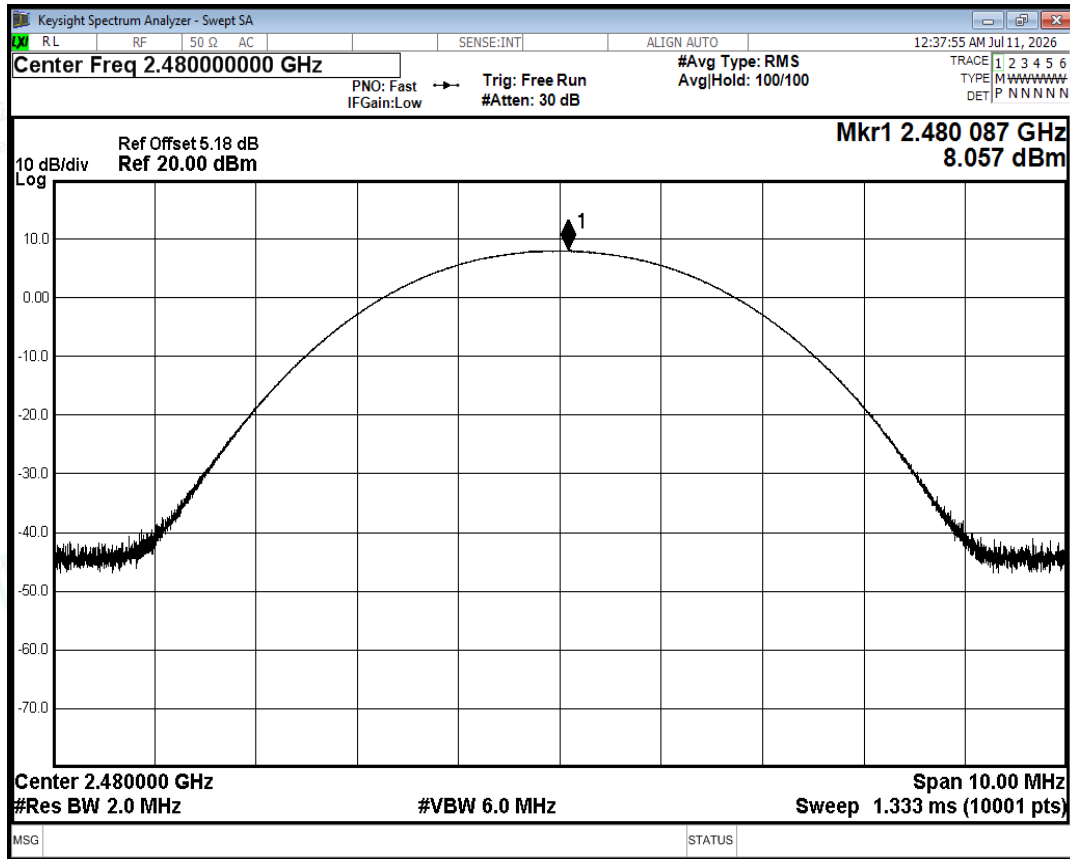
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	2.4G	2402	Ant1	8.50	30	Pass
NVNT	2.4G	2441	Ant1	9.25	30	Pass
NVNT	2.4G	2480	Ant1	8.06	30	Pass



Peak Power NVNT 2.4G 2402MHz Ant1



Peak Power NVNT 2.4G 2441MHz Ant1

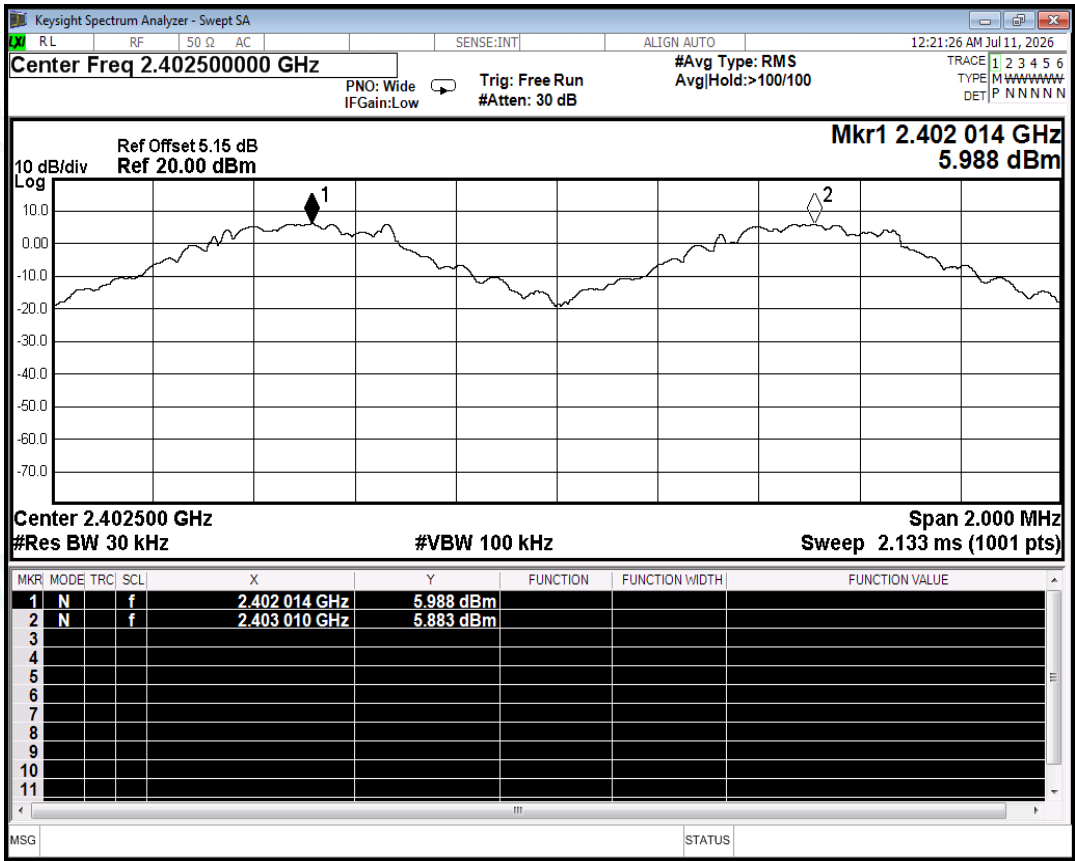


Peak Power NVNT 2.4G 2480MHz Ant1



A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	2.4G	Ant1	2402.014	2403.01	0.996	0.572	Pass

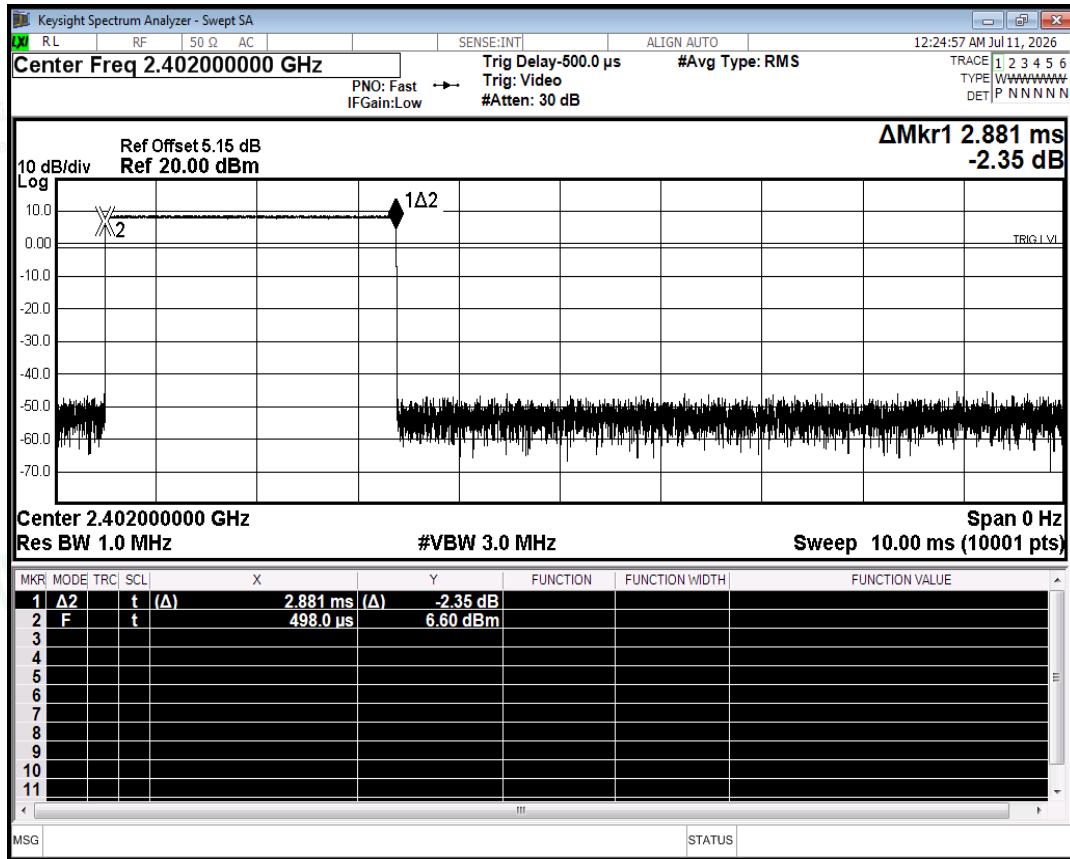


CFS NVNT 2.4G 2402MHz Ant1

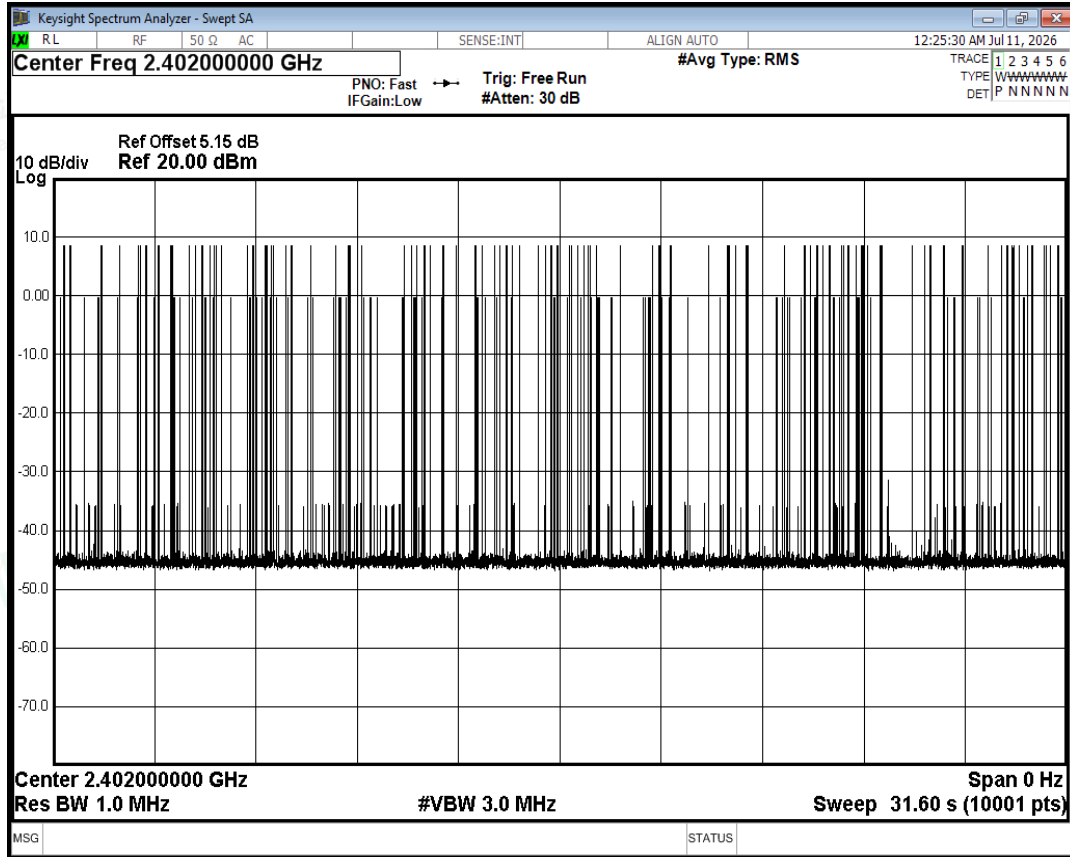


A.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	2.4G	2402	Ant1	2.881	345.72	120	31600	400	Pass



Dwell NVNT 2.4G 2402MHz Ant1 One Burst

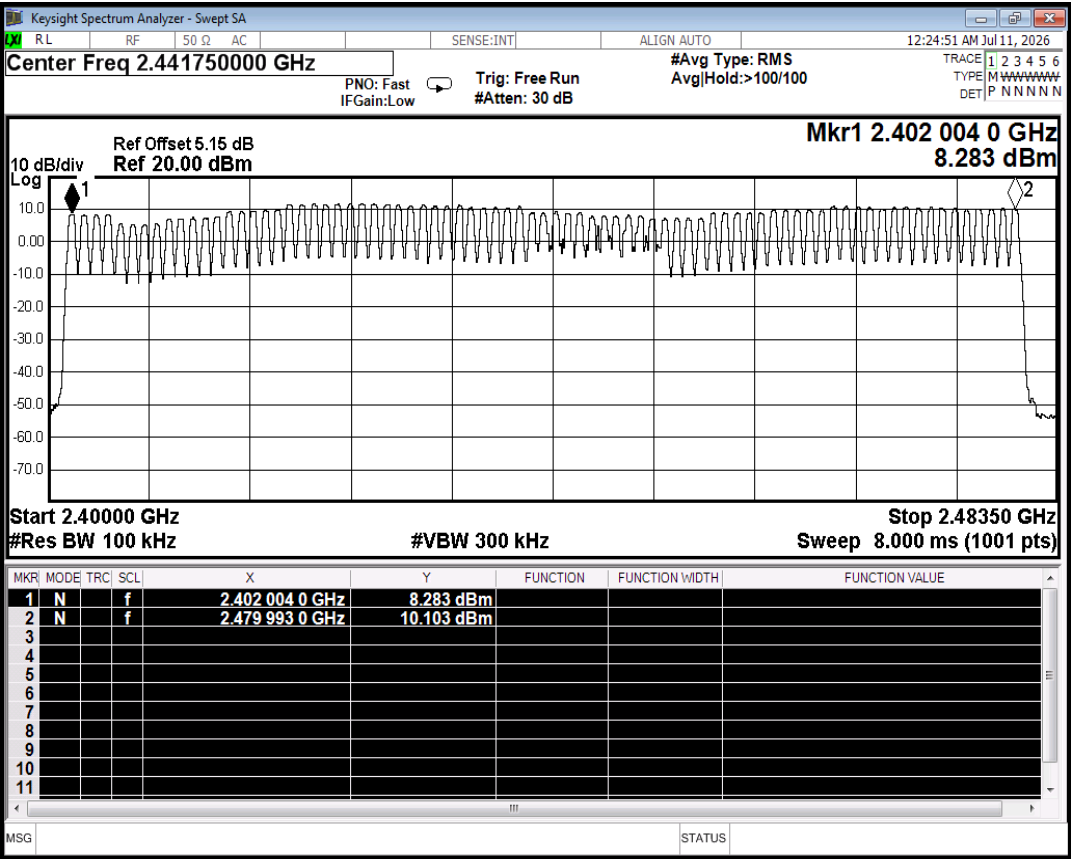


Dwell NVNT 2.4G 2402MHz Ant1 Accumulated



A.5 Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	2.4G	Ant1	79	15	Pass

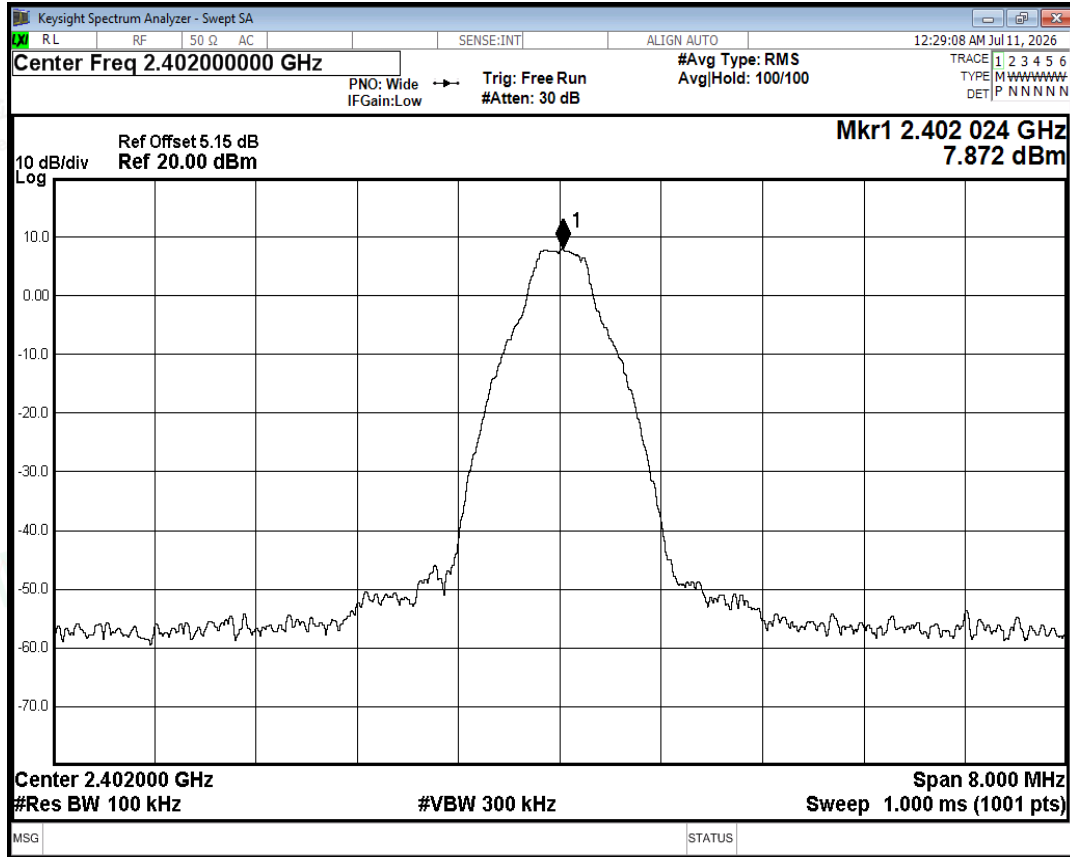


Hopping No. NVNT 2.4G 2402MHz Ant1

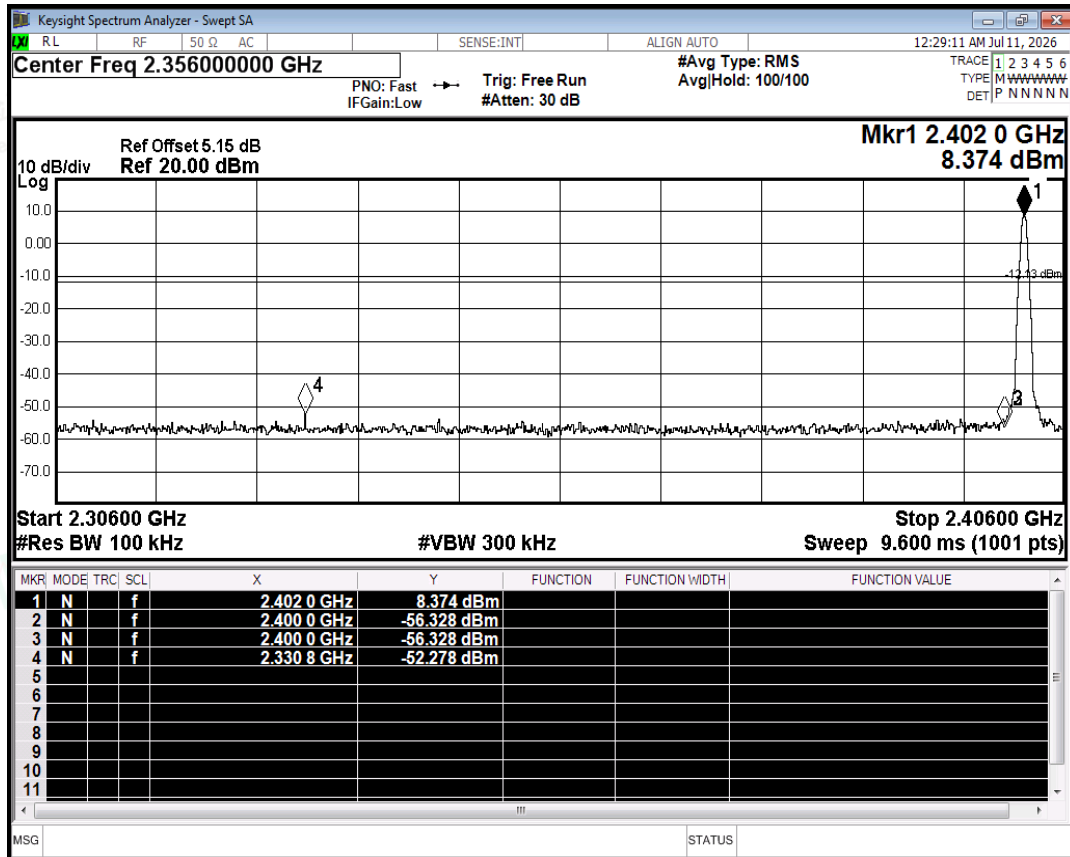


A.6 Band Edge

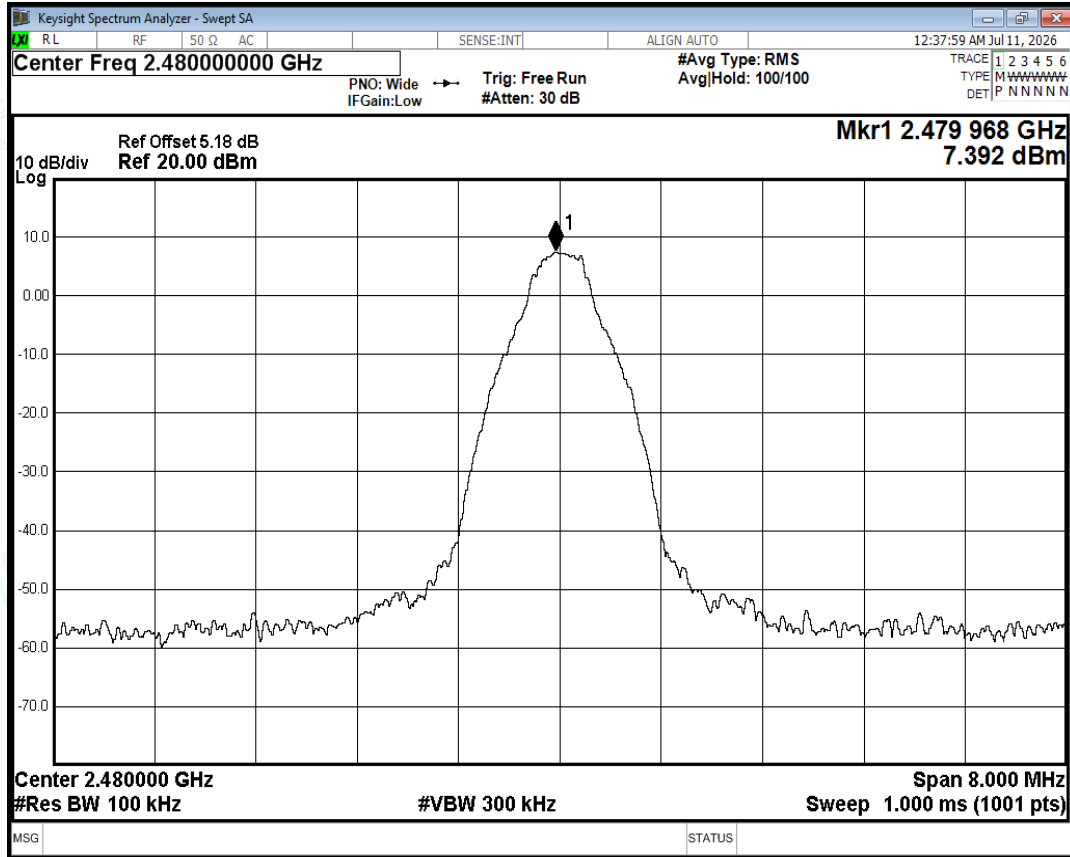
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2402	Ant1	No-Hopping	-60.14	-20	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	-61.86	-20	Pass



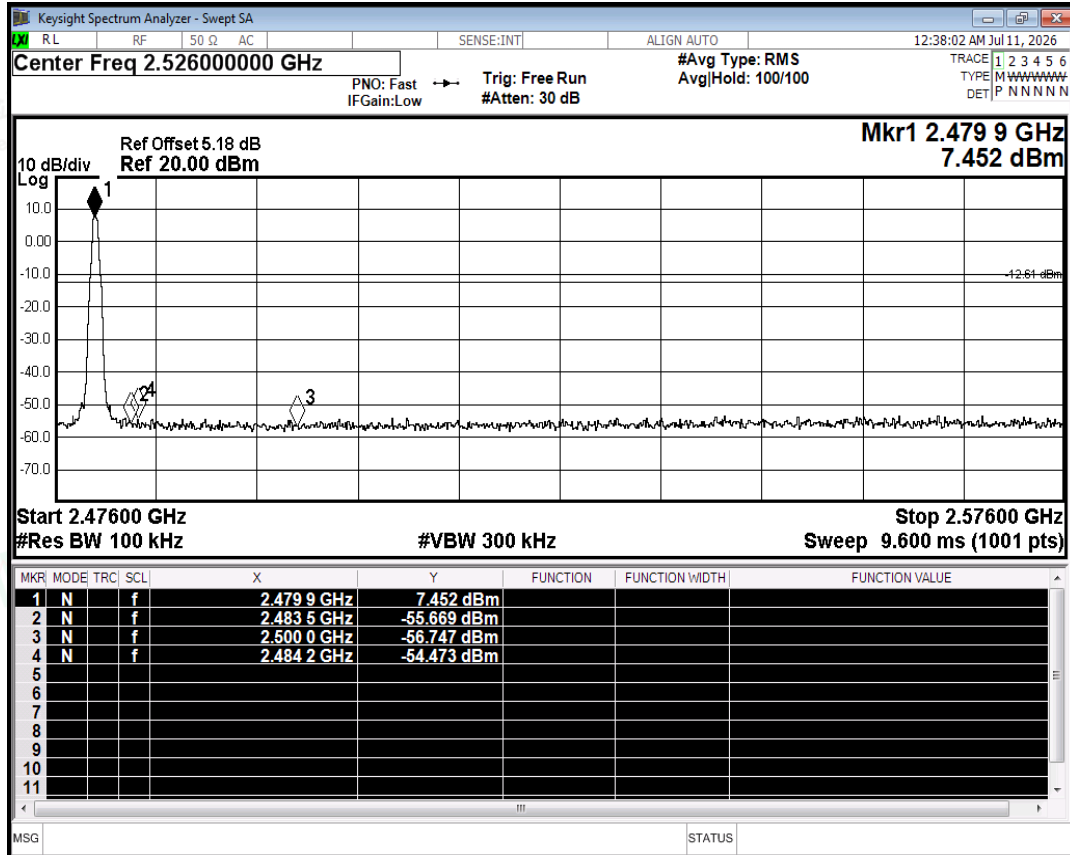
Band Edge NVNT 2.4G 2402MHz Ant1 No-Hopping Ref



Band Edge NVNT 2.4G 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 2.4G 2480MHz Ant1 No-Hopping Ref

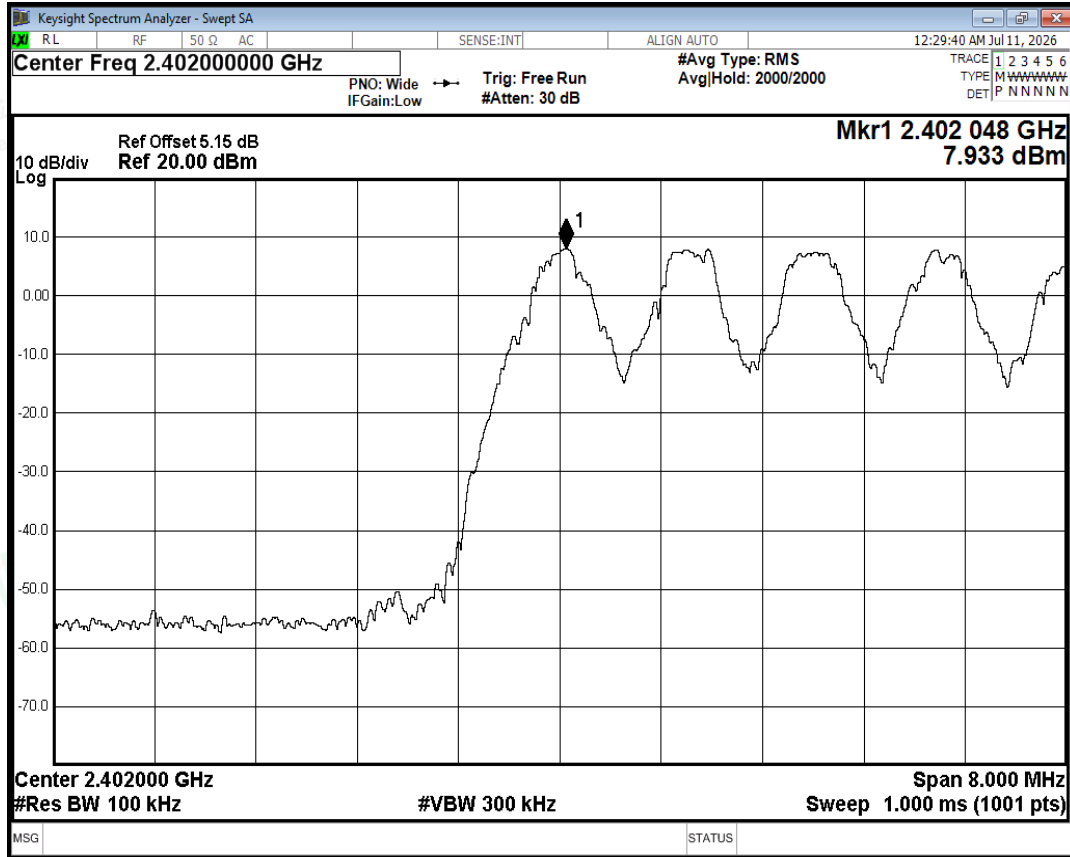


Band Edge NVNT 2.4G 2480MHz Ant1 No-Hopping Emission

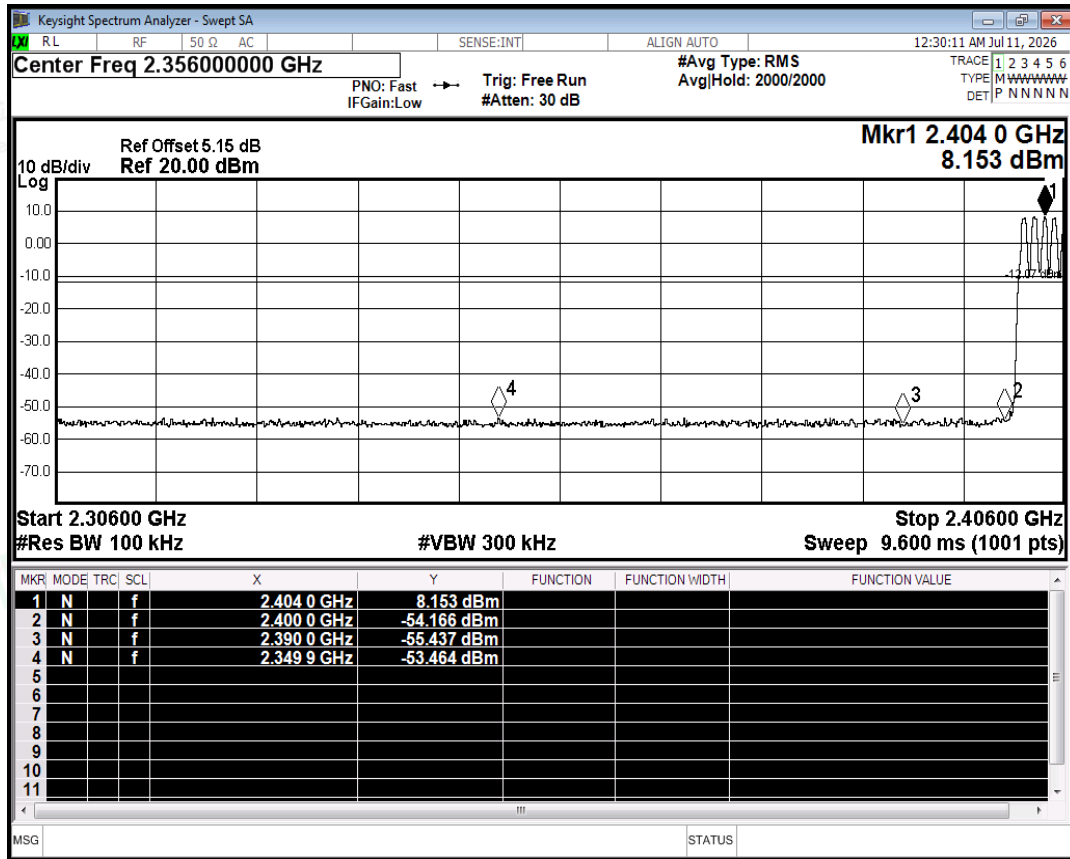


(Hopping)

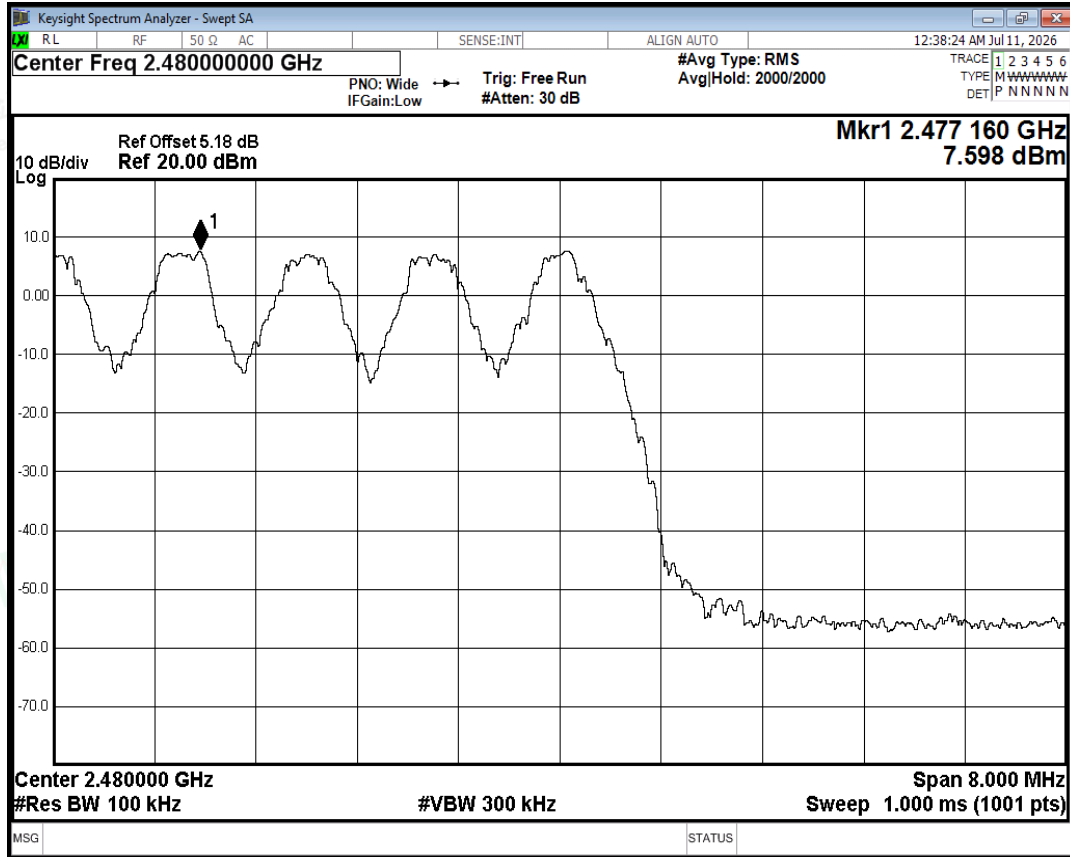
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2402	Ant1	Hopping	-61.39	-20	Pass
NVNT	2.4G	2480	Ant1	Hopping	-60.74	-20	Pass



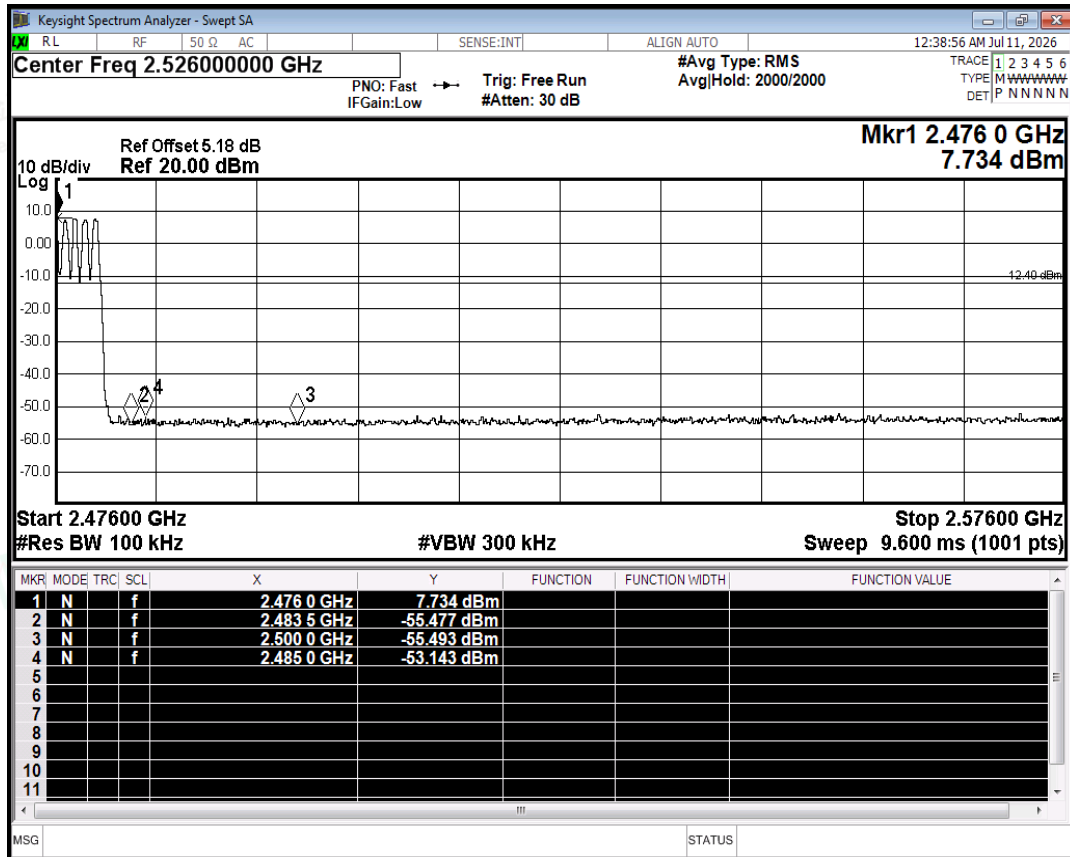
Band Edge(Hopping) NVNT 2.4G 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 2.4G 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 2.4G 2480MHz Ant1 Hopping Ref

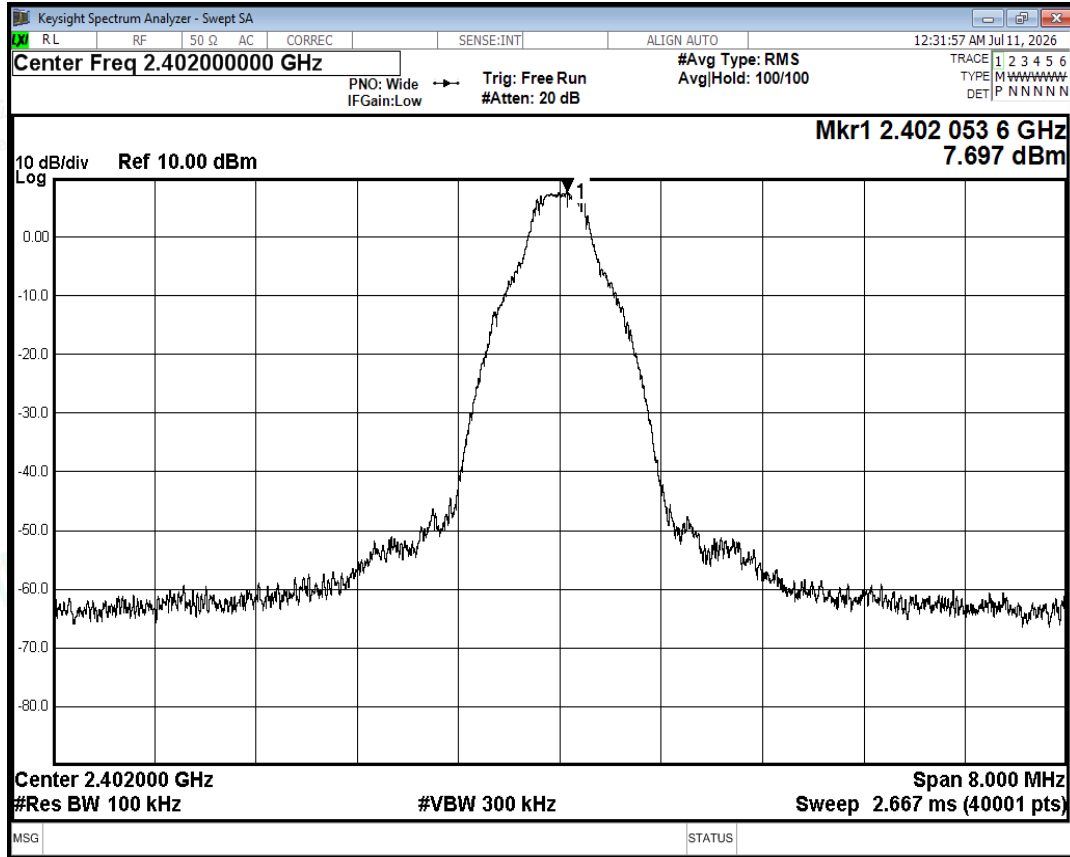


Band Edge(Hopping) NVNT 2.4G 2480MHz Ant1 Hopping Emission

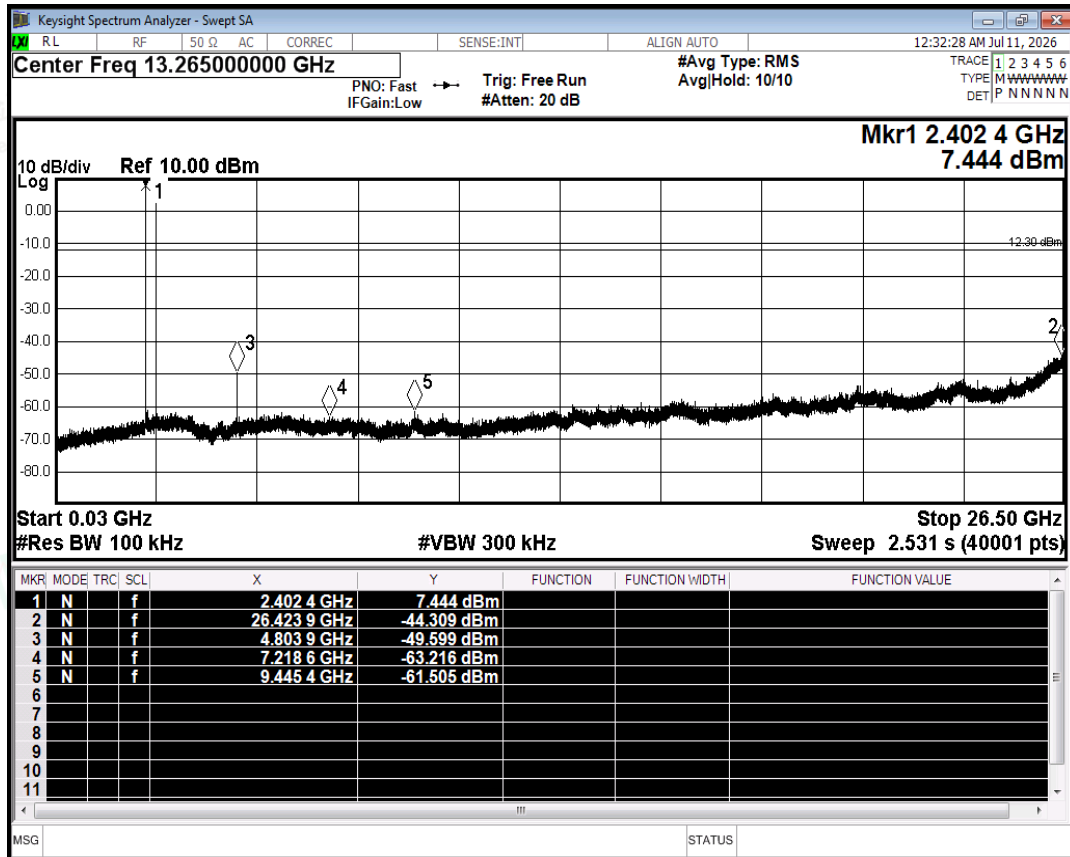


A.7 Conducted RF Spurious Emission

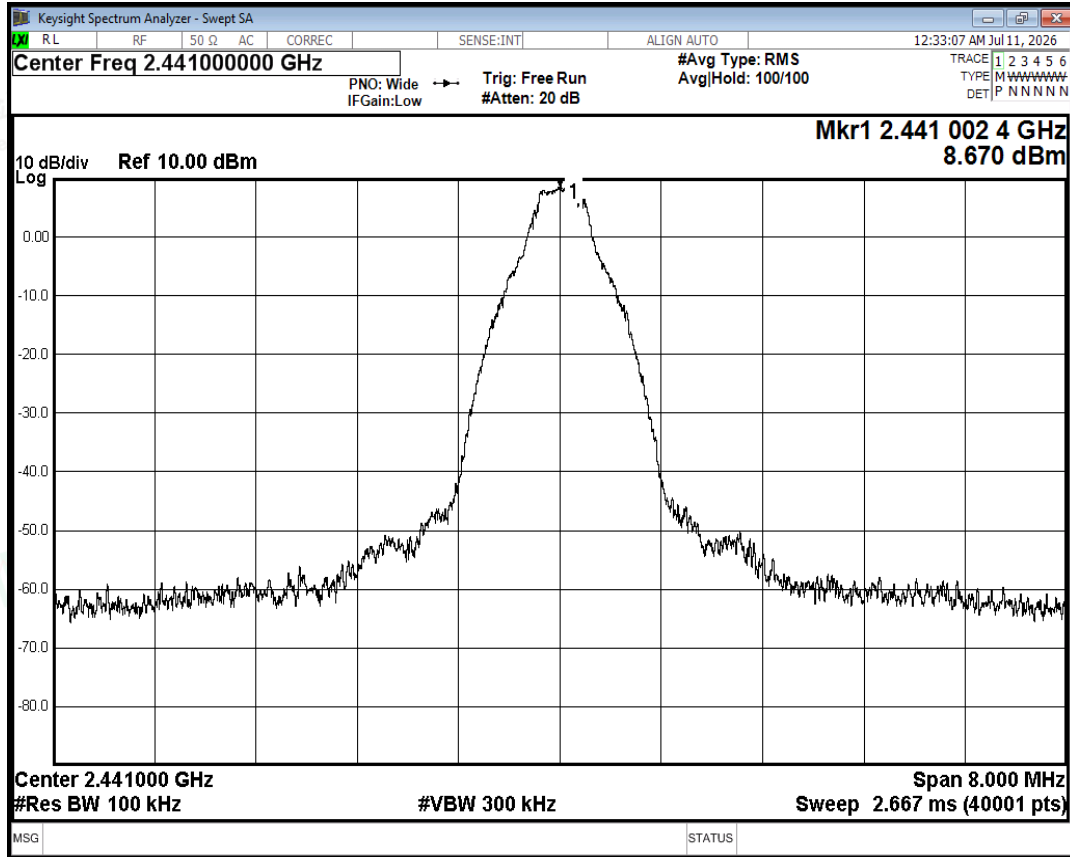
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2402	Ant1	-52	-20	Pass
NVNT	2.4G	2441	Ant1	-52.71	-20	Pass
NVNT	2.4G	2480	Ant1	-50.69	-20	Pass



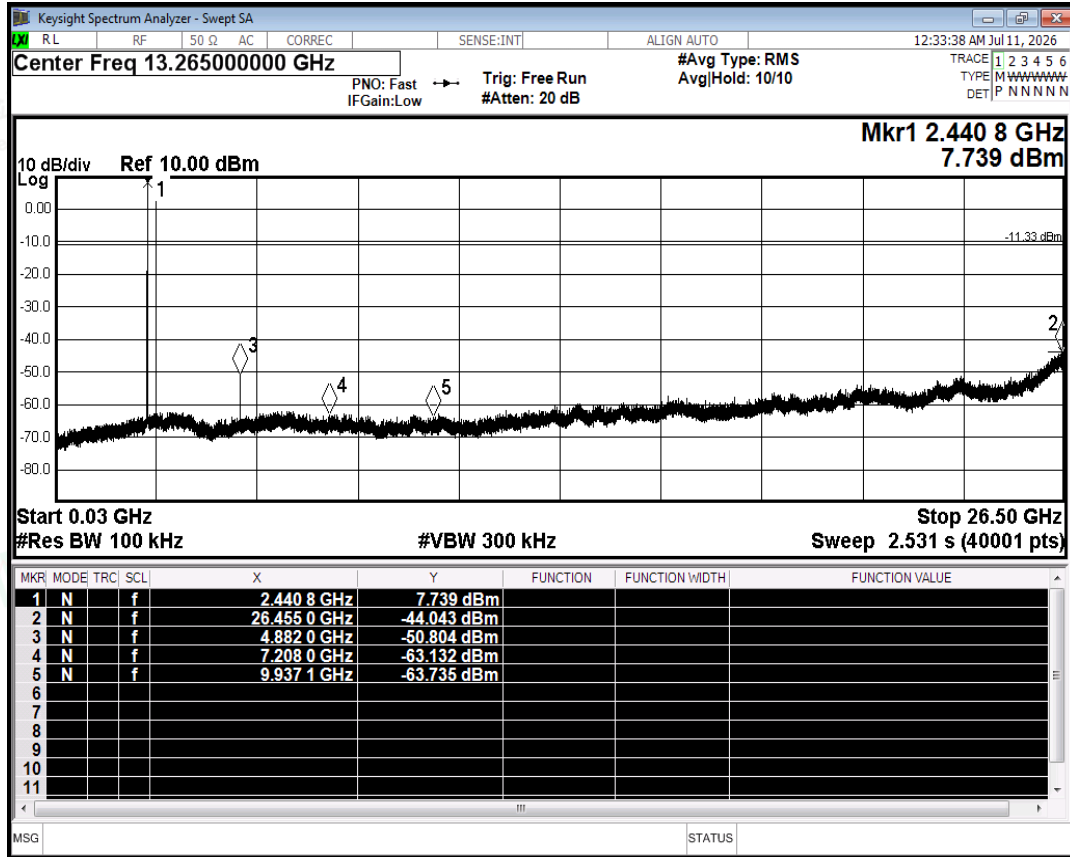
Tx. Spurious NVNT 2.4G 2402MHz Ant1 Ref



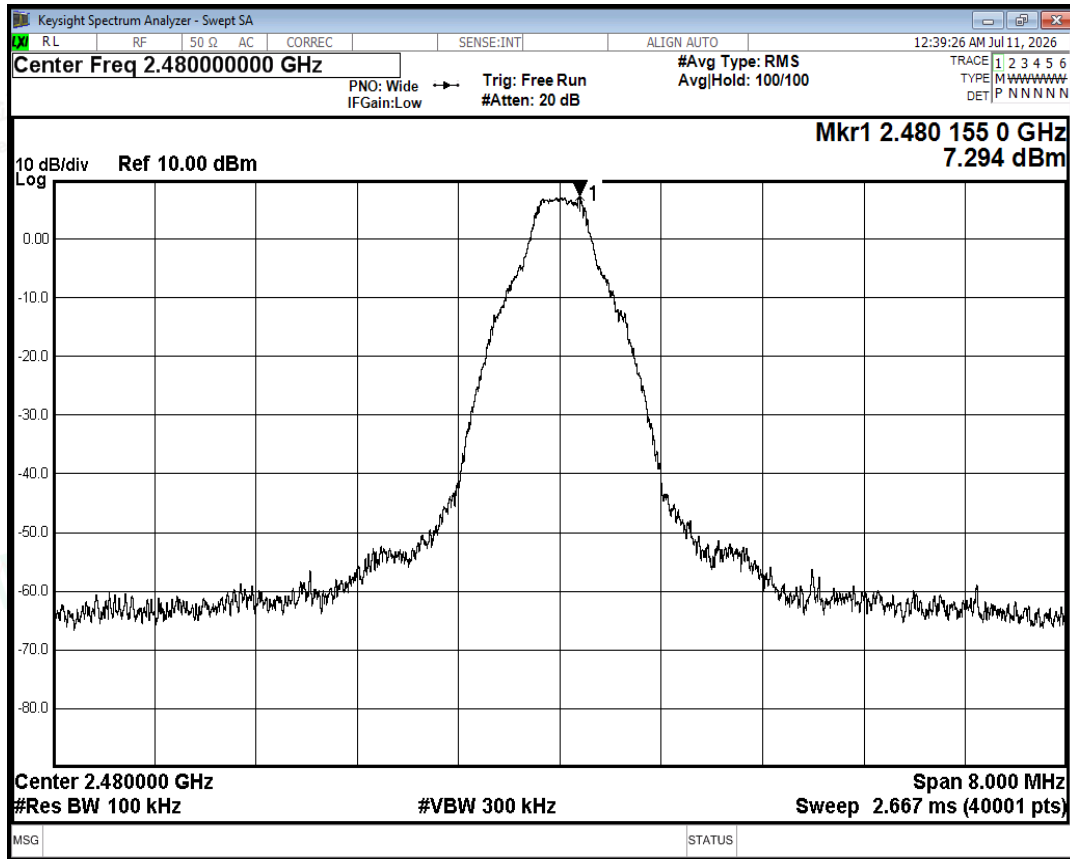
Tx. Spurious NVNT 2.4G 2402MHz Ant1 Emission



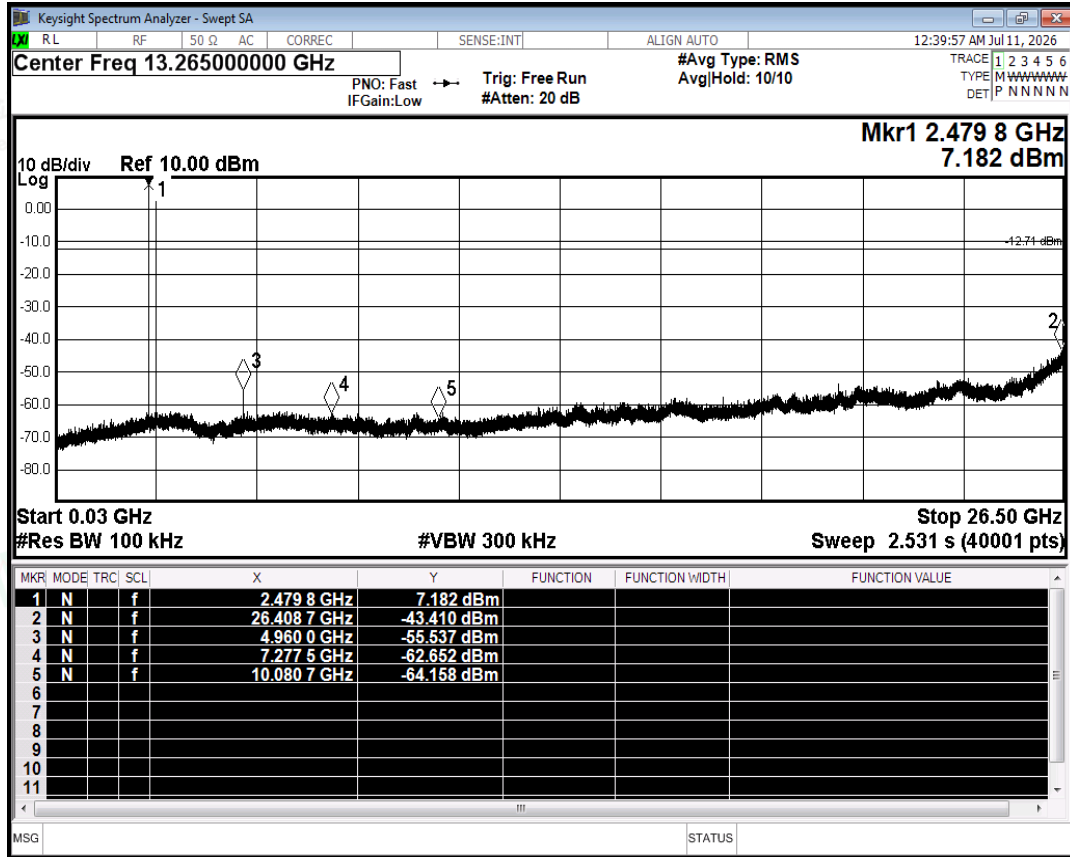
Tx. Spurious NVNT 2.4G 2441MHz Ant1 Ref



Tx. Spurious NVNT 2.4G 2441MHz Ant1 Emission



Tx. Spurious NVNT 2.4G 2480MHz Ant1 Ref

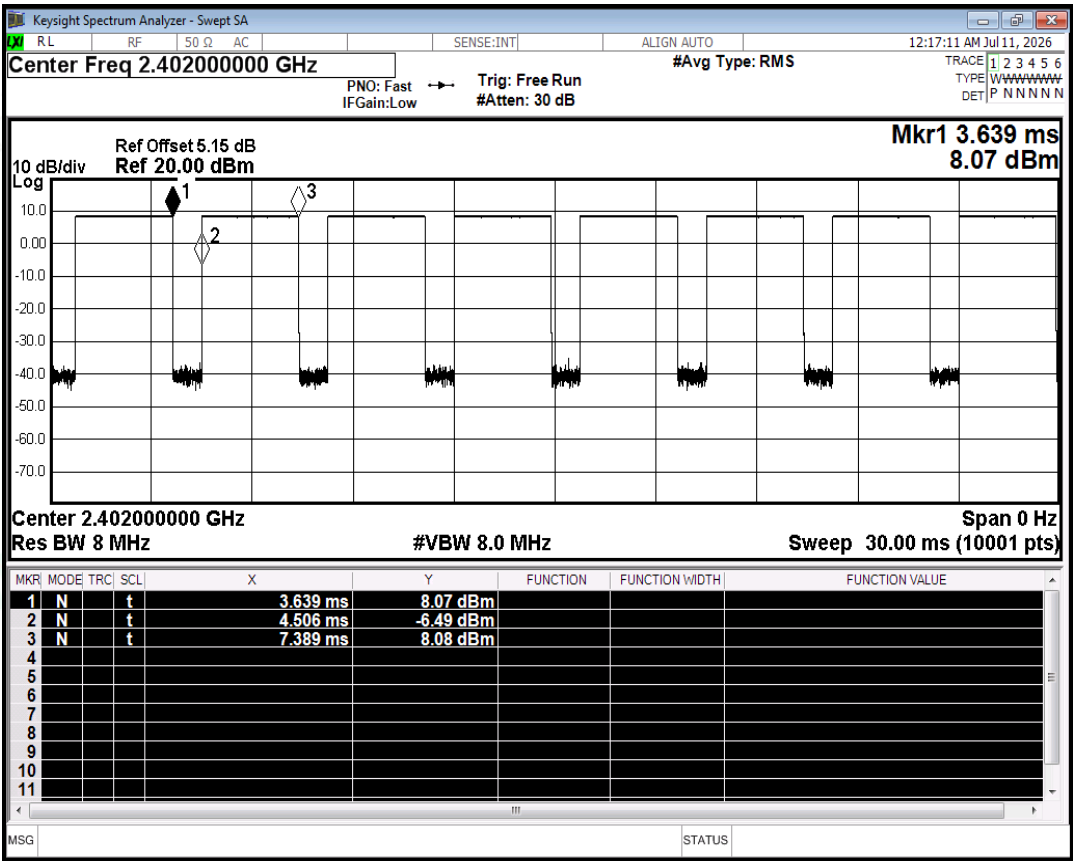


Tx. Spurious NVNT 2.4G 2480MHz Ant1 Emission

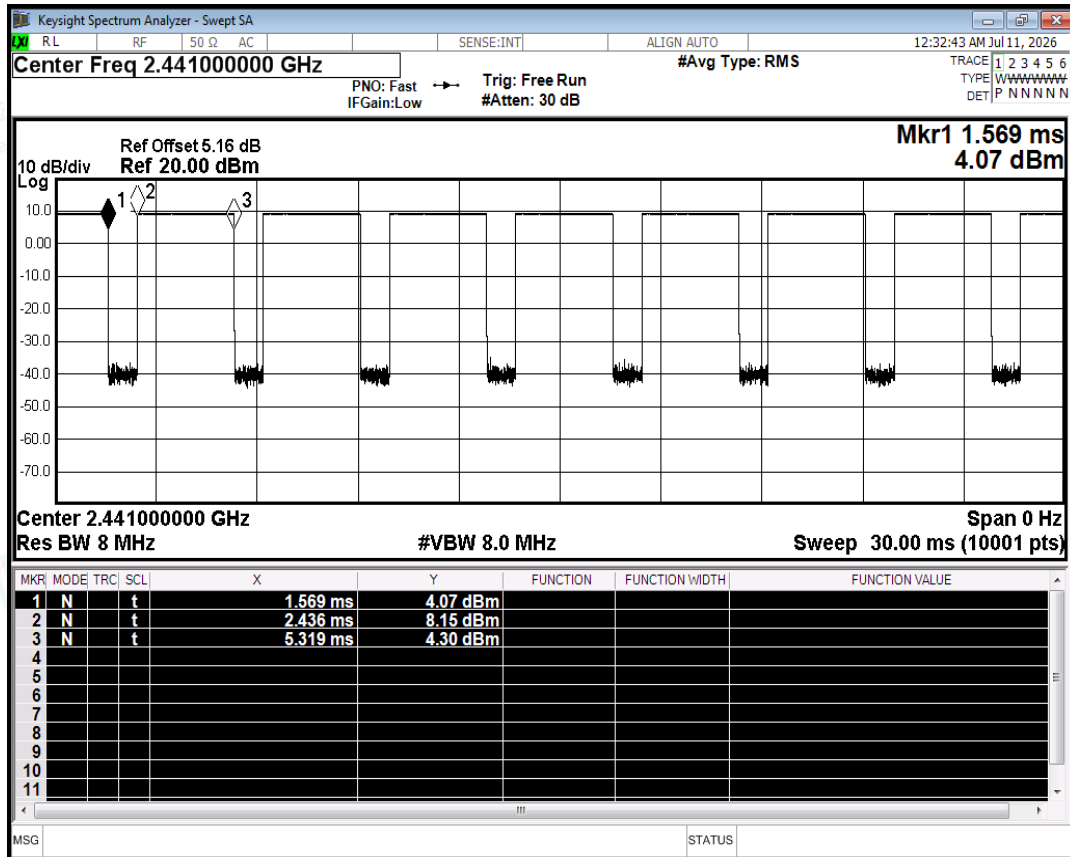


A.8 Duty Cycle

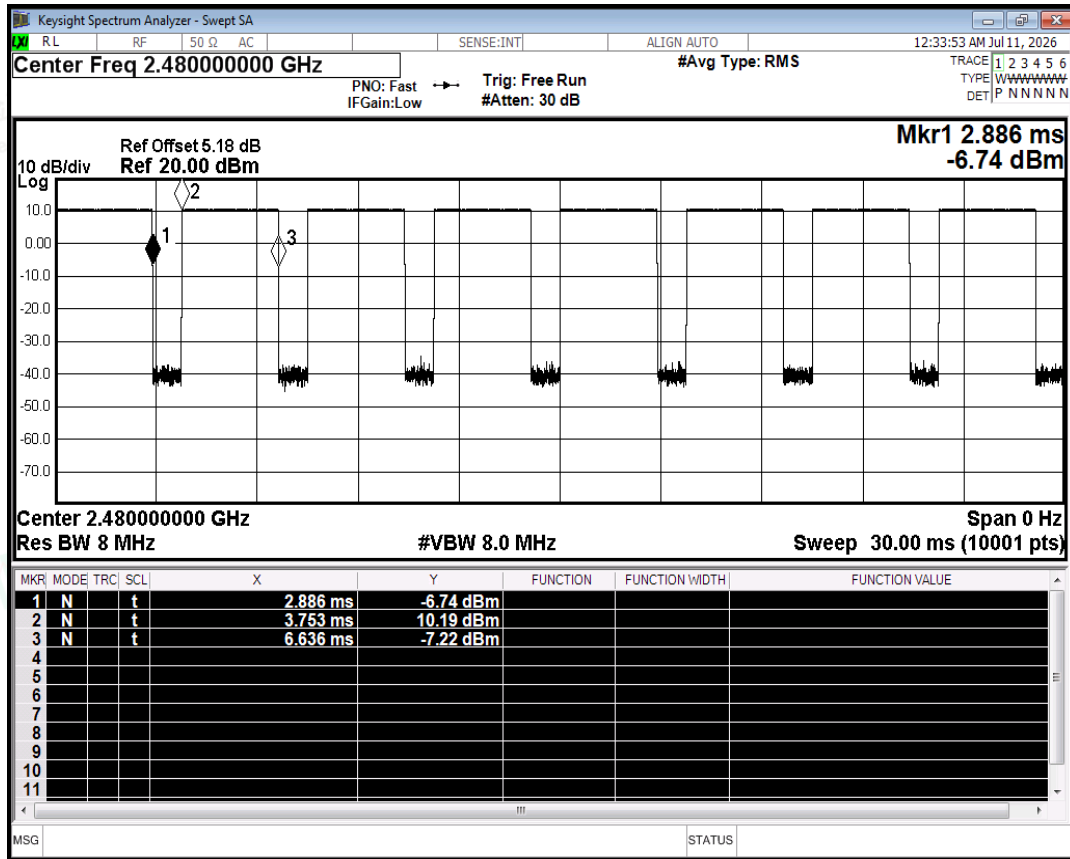
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	2.4G	2402	Ant1	76.88	1.14	0.35
NVNT	2.4G	2441	Ant1	76.88	1.14	0.35
NVNT	2.4G	2480	Ant1	76.88	1.14	0.35



Duty Cycle NVNT 2.4G 2402MHz Ant1



Duty Cycle NVNT 2.4G 2441MHz Ant1

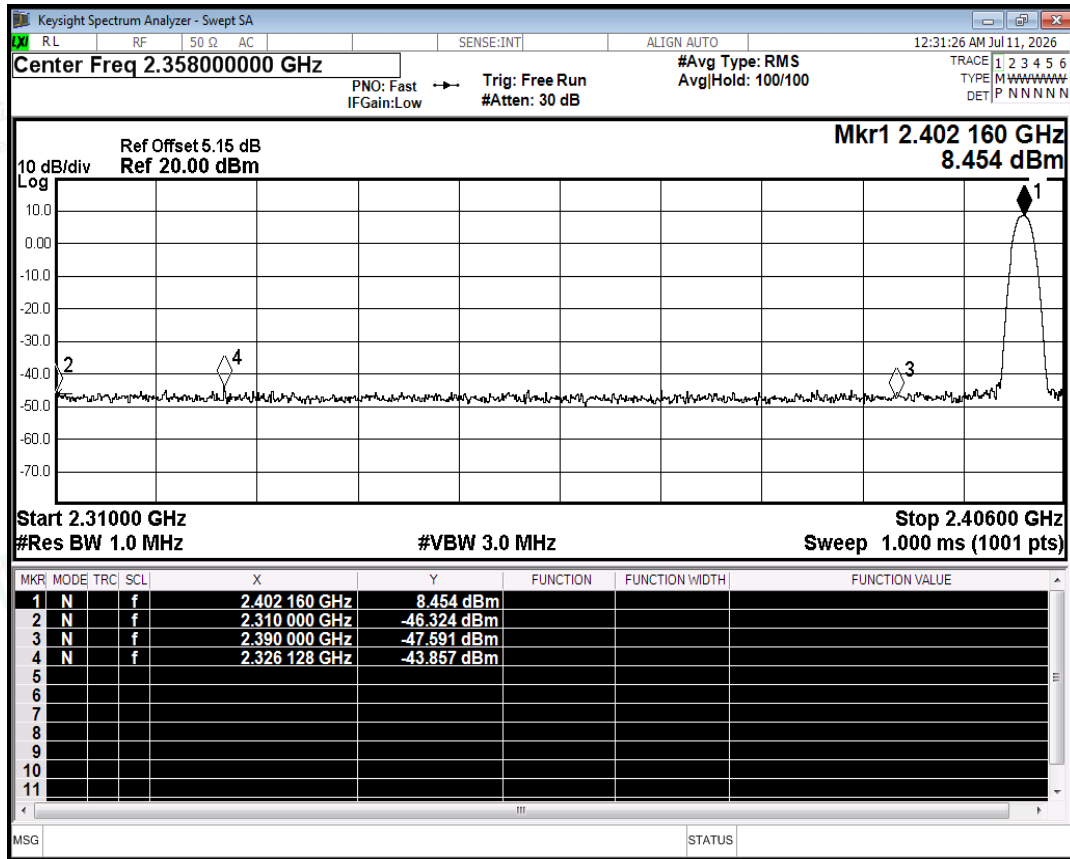


Duty Cycle NVNT 2.4G 2480MHz Ant1

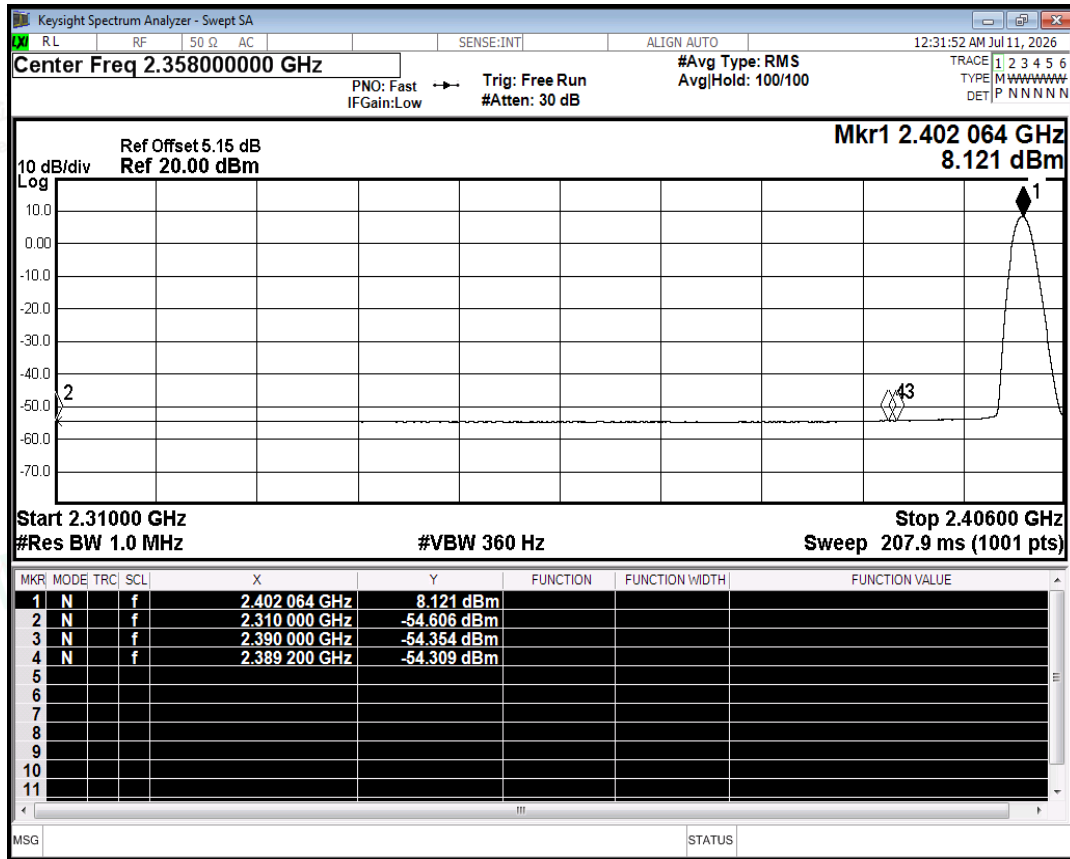


A.9 Restrict Band

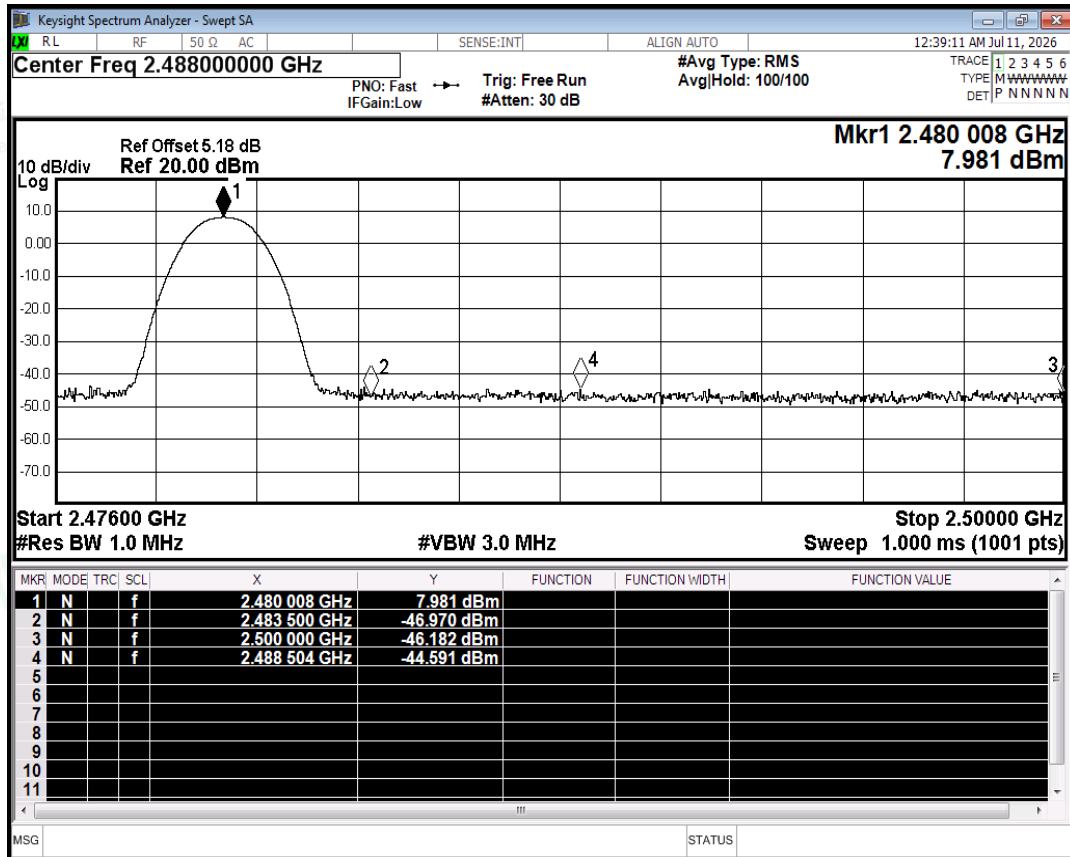
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	2.4G	2402	Ant1	No-Hopping	2310	-46.32	2.72	51.66	Peak	74	Pass
NVNT	2.4G	2402	Ant1	No-Hopping	2310	-54.6	2.72	43.38	Average	54	Pass
NVNT	2.4G	2402	Ant1	No-Hopping	2326.128	-43.85	2.72	54.13	Peak	74	Pass
NVNT	2.4G	2402	Ant1	No-Hopping	2389.2	-54.3	2.72	43.68	Average	54	Pass
NVNT	2.4G	2402	Ant1	No-Hopping	2390	-45.66	2.72	52.32	Peak	74	Pass
NVNT	2.4G	2402	Ant1	No-Hopping	2390	-54.29	2.72	43.69	Average	54	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	2483.5	-46.97	2.72	51.01	Peak	74	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	2483.5	-51.28	2.72	46.70	Average	54	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	2488.504	-44.59	2.72	53.39	Peak	74	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	2483.512	-51.28	2.72	46.70	Average	54	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	2500	-46.18	2.72	51.80	Peak	74	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	2500	-54.45	2.72	43.53	Average	54	Pass



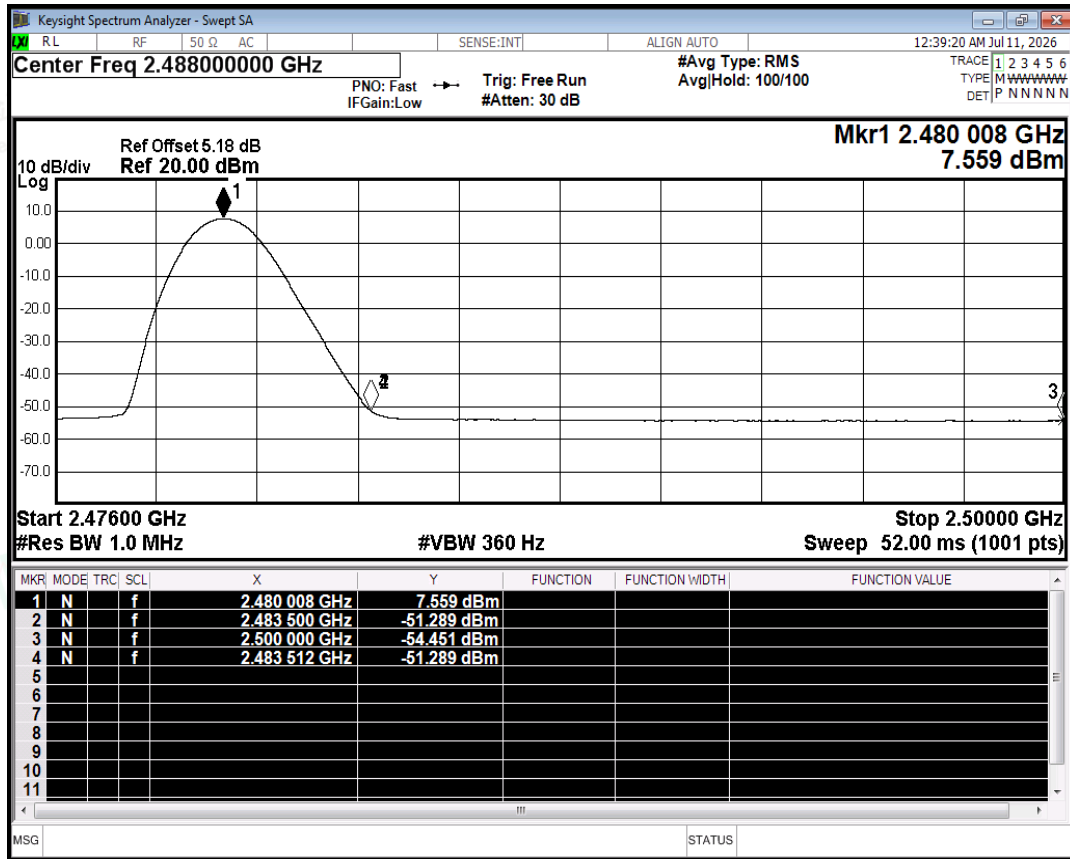
Restrict Band NVNT 2.4G 2402MHz Ant1 No-Hopping Peak



Restrict Band NVNT 2.4G 2402MHz Ant1 No-Hopping Average



Restrict Band NVNT 2.4G 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 2.4G 2480MHz Ant1 No-Hopping Average