

RF Test Data

RF Chip #1: LR1121

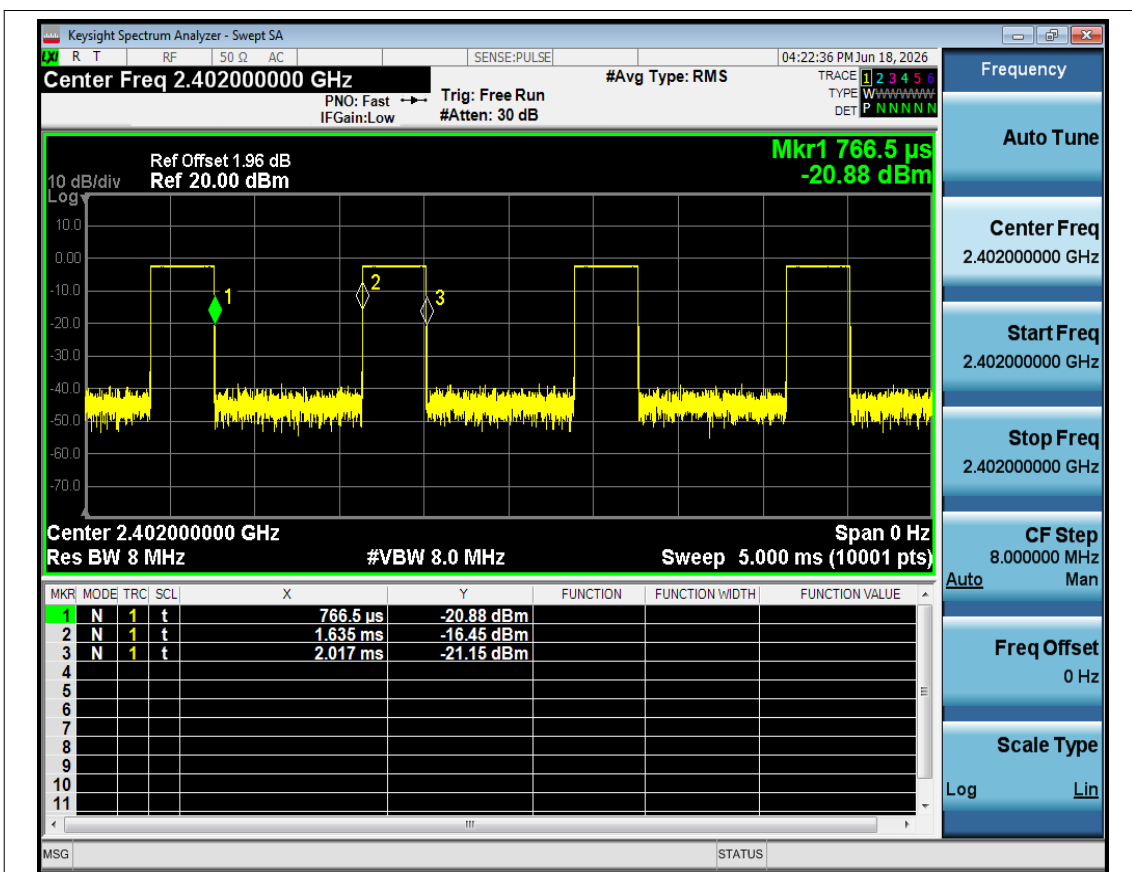
Antenna: ANT_L

FCC ID:2BHKV-V15

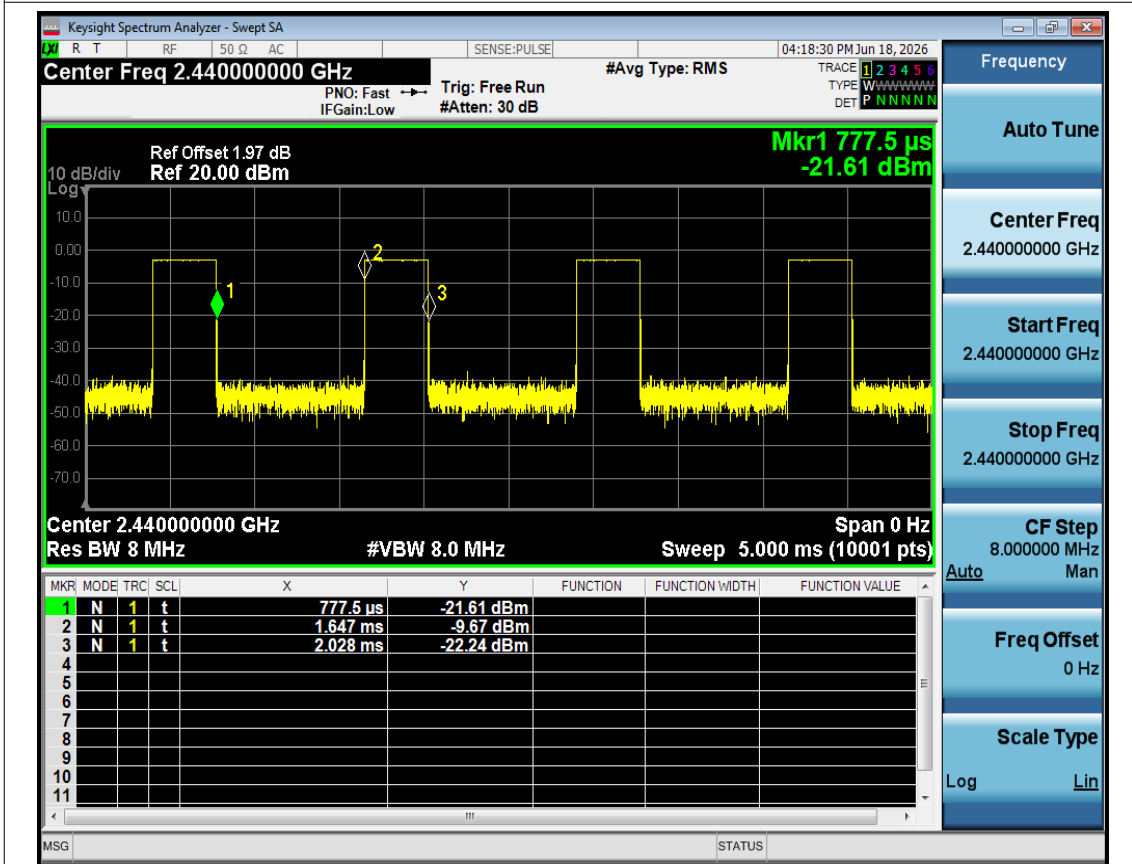
Duty Cycle	2
Maximum Peak Conducted Output Power	5
-20dB Bandwidth	8
Occupied Channel Bandwidth	11
Carrier Frequencies Separation	14
Number of Hopping Channel	17
Band Edge	19
Band Edge(Hopping)	22
Conducted RF Spurious Emission	25
Dwell Time	29

Duty Cycle

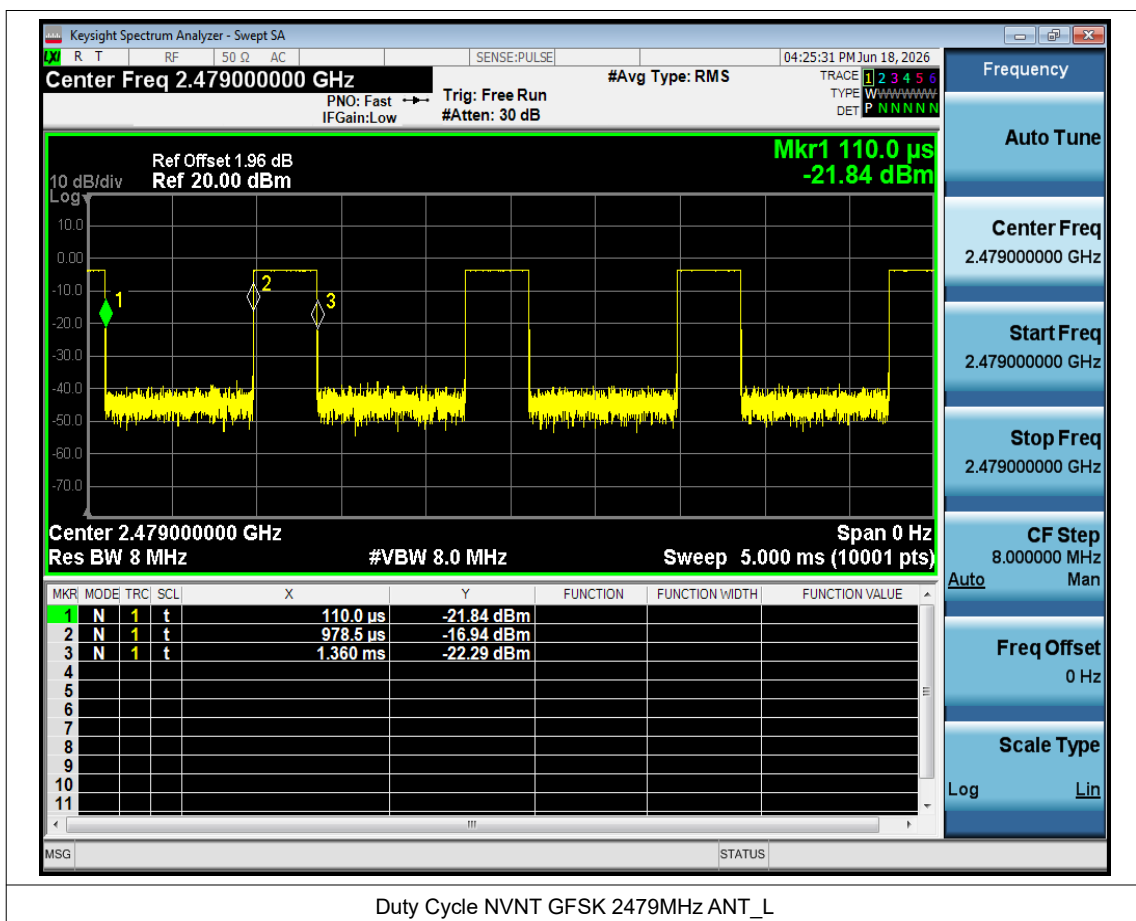
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	GFSK	2402	ANT_L	30.52	5.15	2.62
NVNT	GFSK	2440	ANT_L	30.48	5.16	2.62
NVNT	GFSK	2479	ANT_L	30.52	5.15	2.62



Duty Cycle NVNT GFSK 2402MHz ANT_L

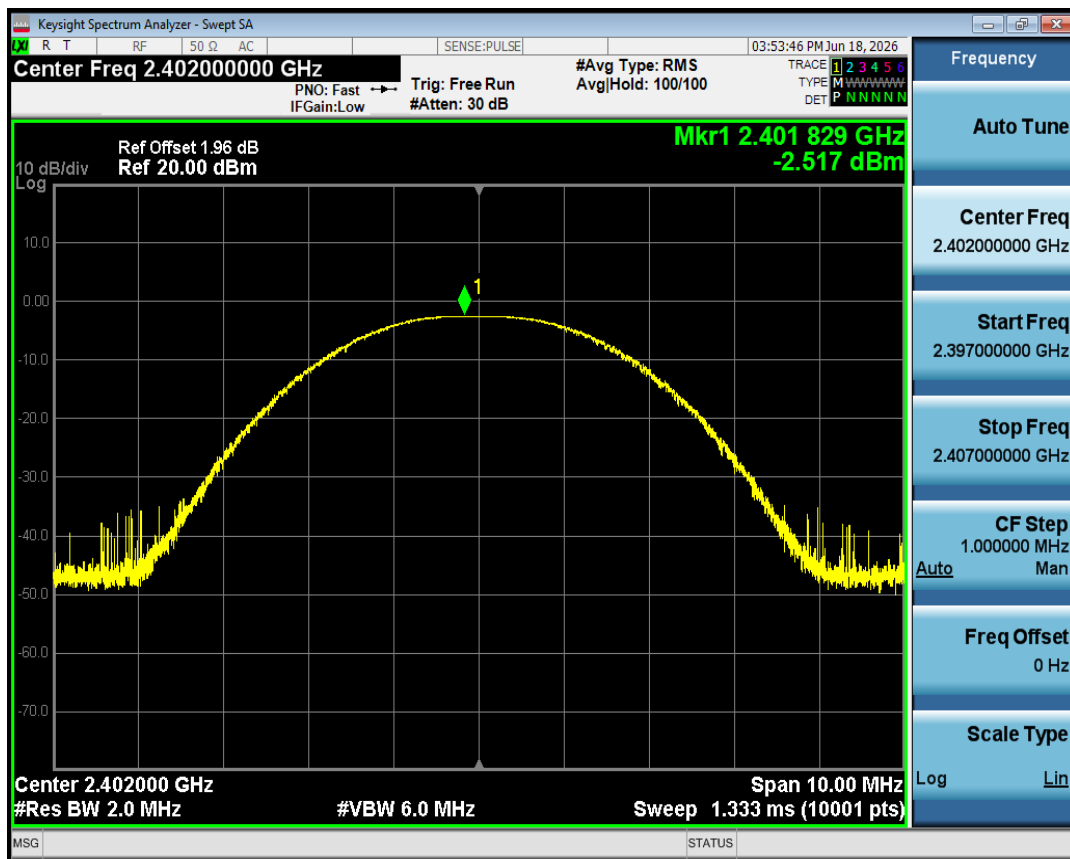


Duty Cycle NVNT GFSK 2440MHz ANT_L

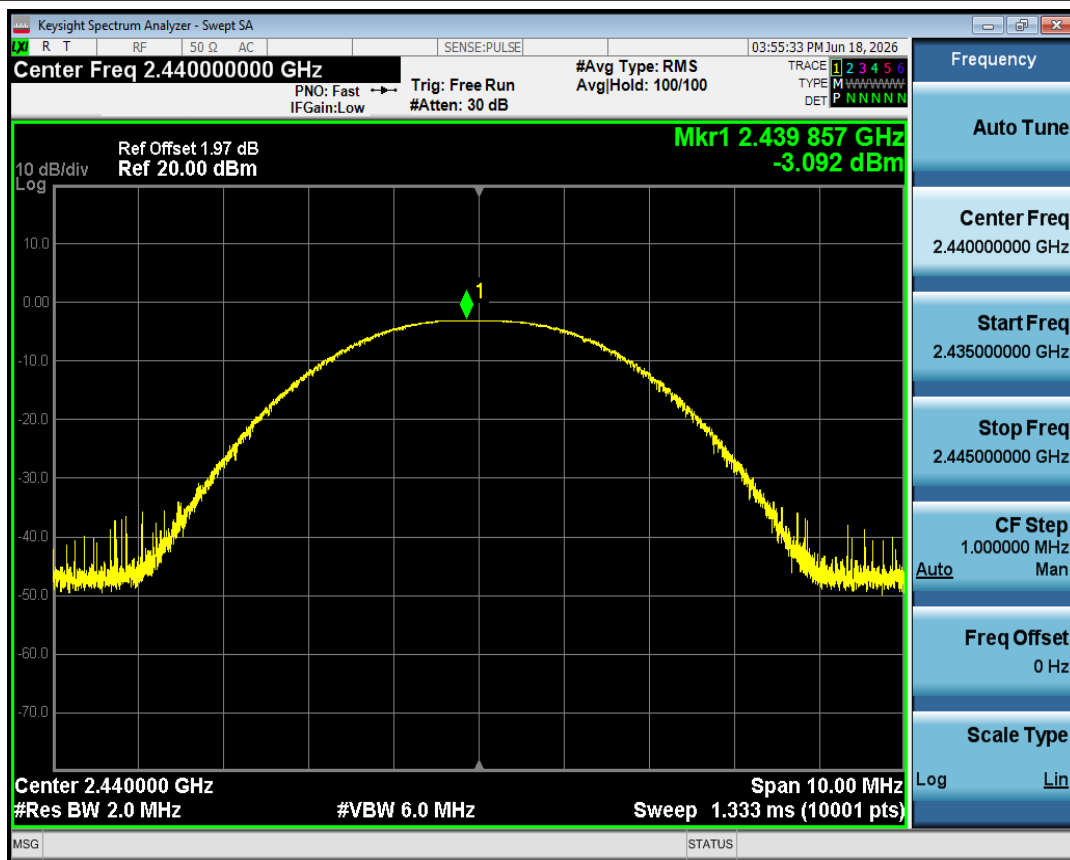


Maximum Peak Conducted Output Power

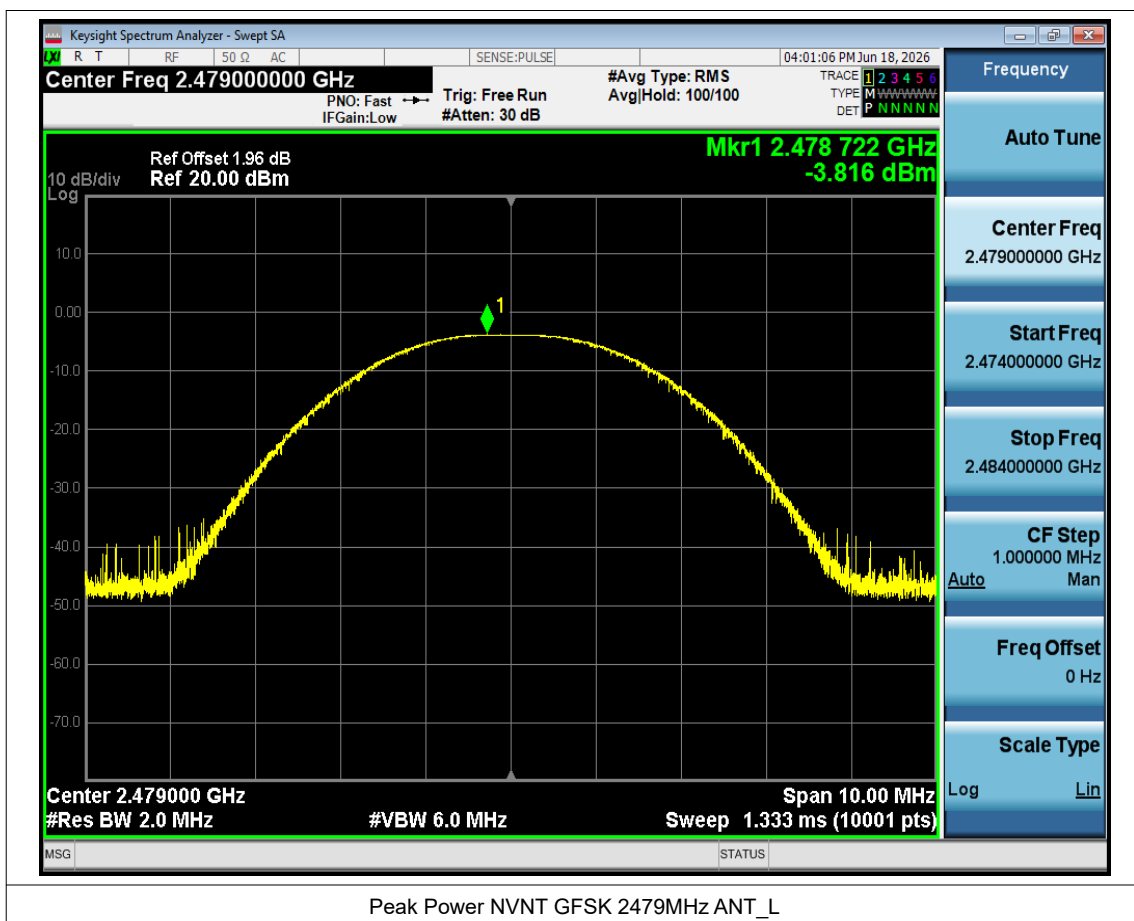
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Conducted Power (W)	Limit Conducted(dBm)	Verdict
NVNT	GFSK	2402	ANT_L	-2.52	0.00056	30	Pass
NVNT	GFSK	2440	ANT_L	-3.09	0.00049	30	Pass
NVNT	GFSK	2479	ANT_L	-3.82	0.00041	30	Pass



Peak Power NVNT GFSK 2402MHz ANT_L



Peak Power NVNT GFSK 2440MHz ANT_L



-20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	GFSK	2402	ANT_L	1.023	Pass
NVNT	GFSK	2440	ANT_L	1.037	Pass
NVNT	GFSK	2479	ANT_L	1.027	Pass



-20dB Bandwidth NVNT GFSK 2402MHz ANT_L



-20dB Bandwidth NVNT GFSK 2440MHz ANT_L



Occupied Channel Bandwidth

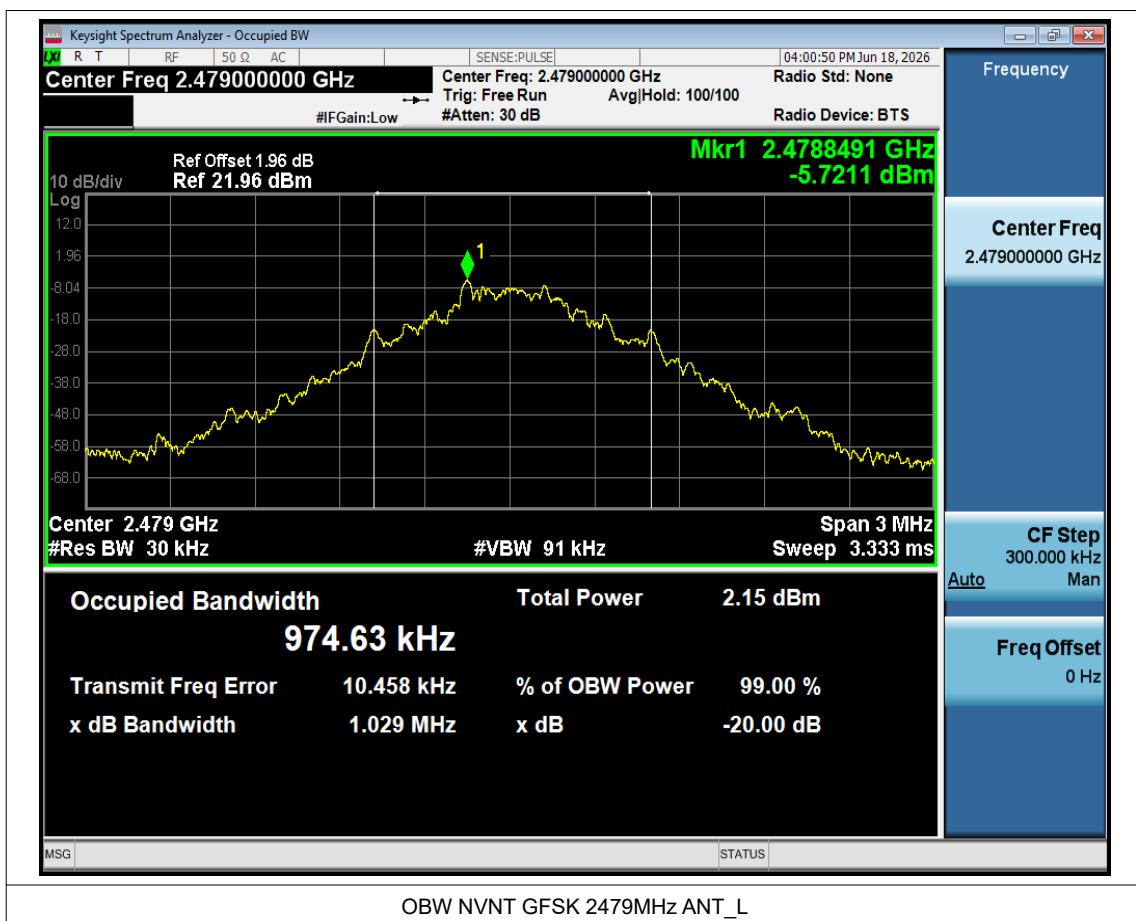
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	GFSK	2402	ANT_L	0.92986
NVNT	GFSK	2440	ANT_L	0.96771
NVNT	GFSK	2479	ANT_L	0.97463



OBW NVNT GFSK 2402MHz ANT_L

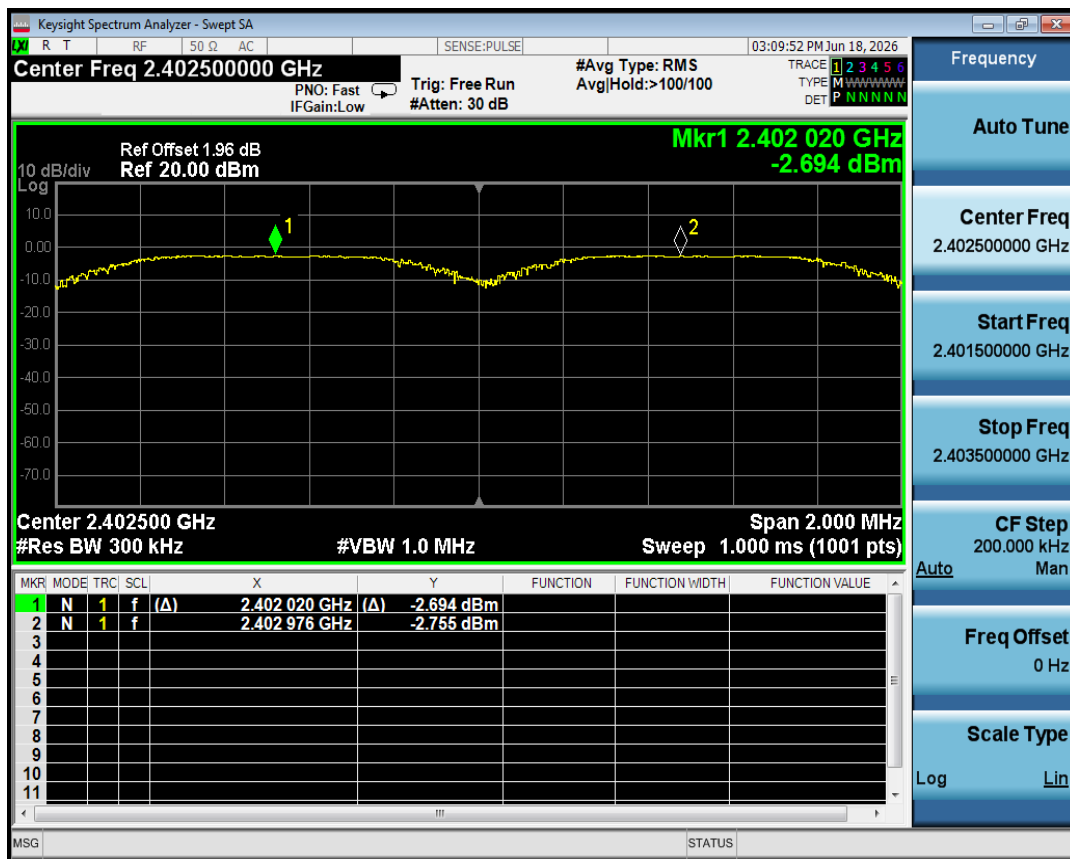


OBW NVNT GFSK 2440MHz ANT_L

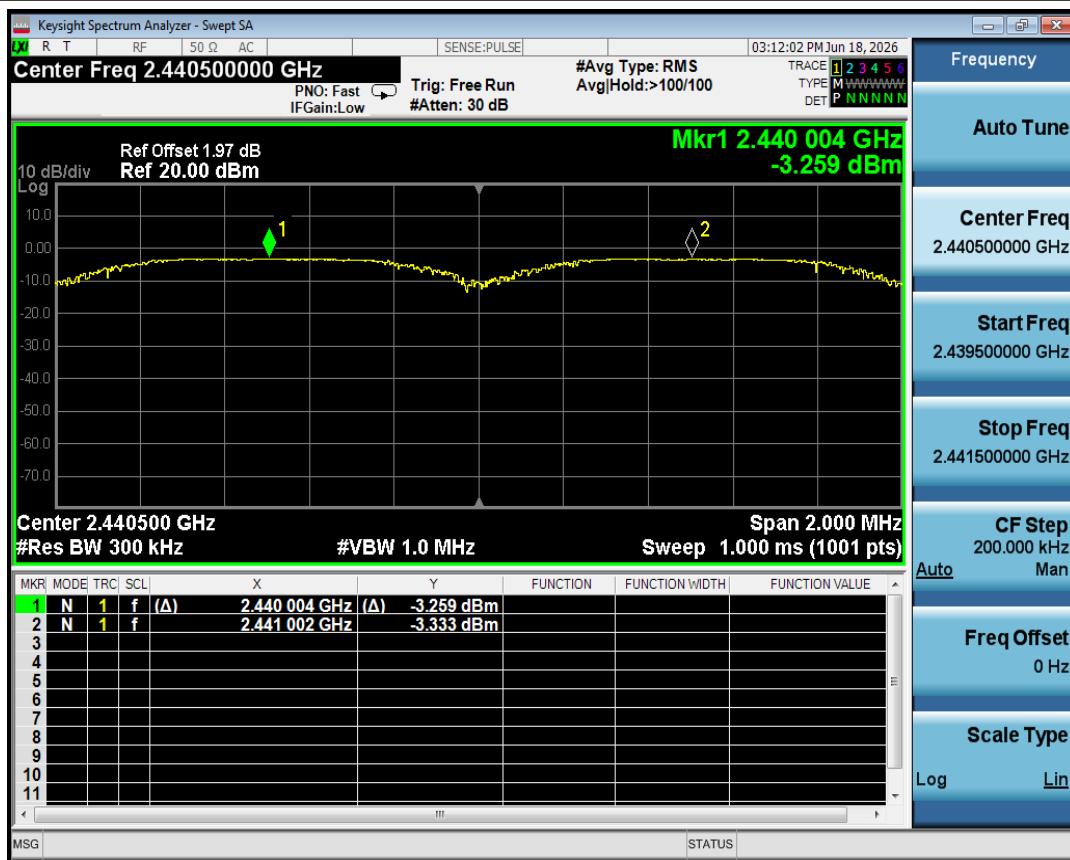


Carrier Frequencies Separation

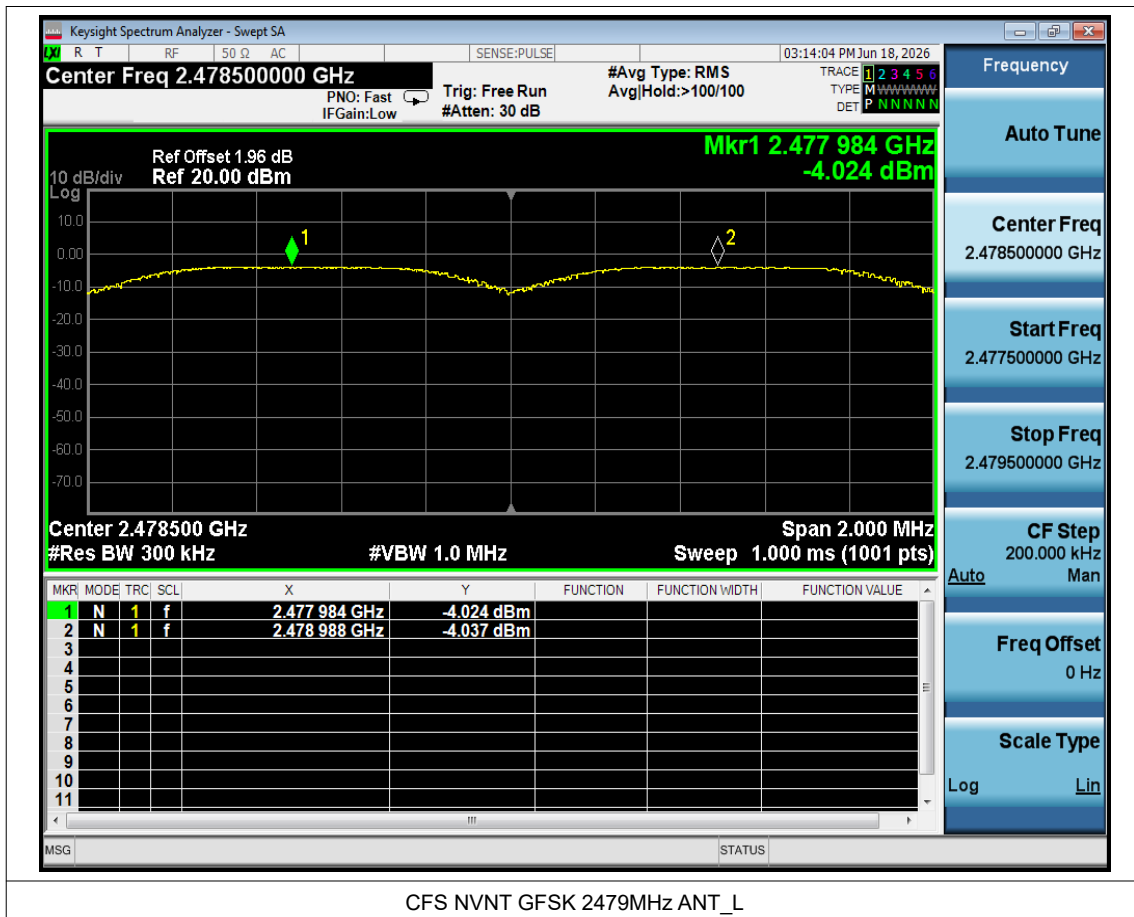
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	GFSK	ANT_L	2402.02	2402.976	0.956	0.682	Pass
NVNT	GFSK	ANT_L	2440.004	2441.002	0.998	0.691	Pass
NVNT	GFSK	ANT_L	2477.984	2478.988	1.004	0.685	Pass



CFS NVNT GFSK 2402MHz ANT_L

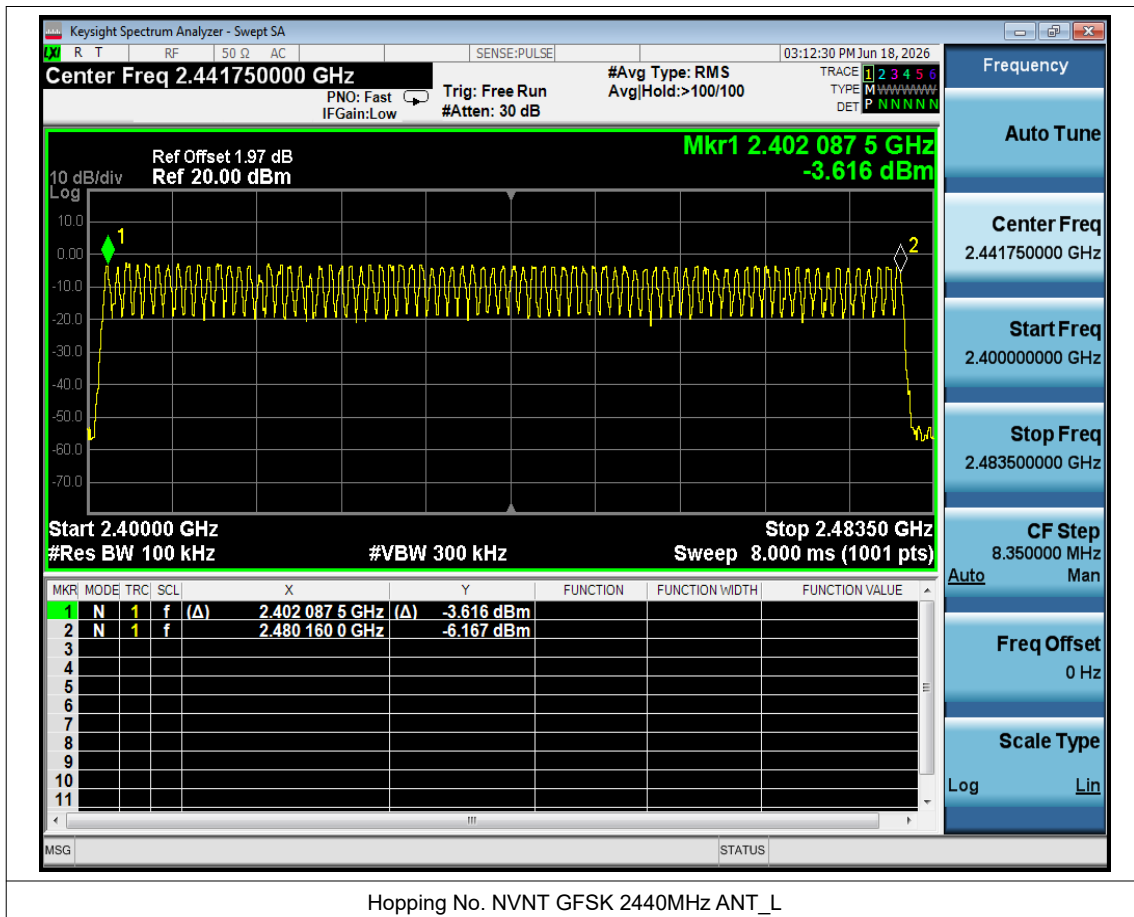


CFS NVNT GFSK 2440MHz ANT_L



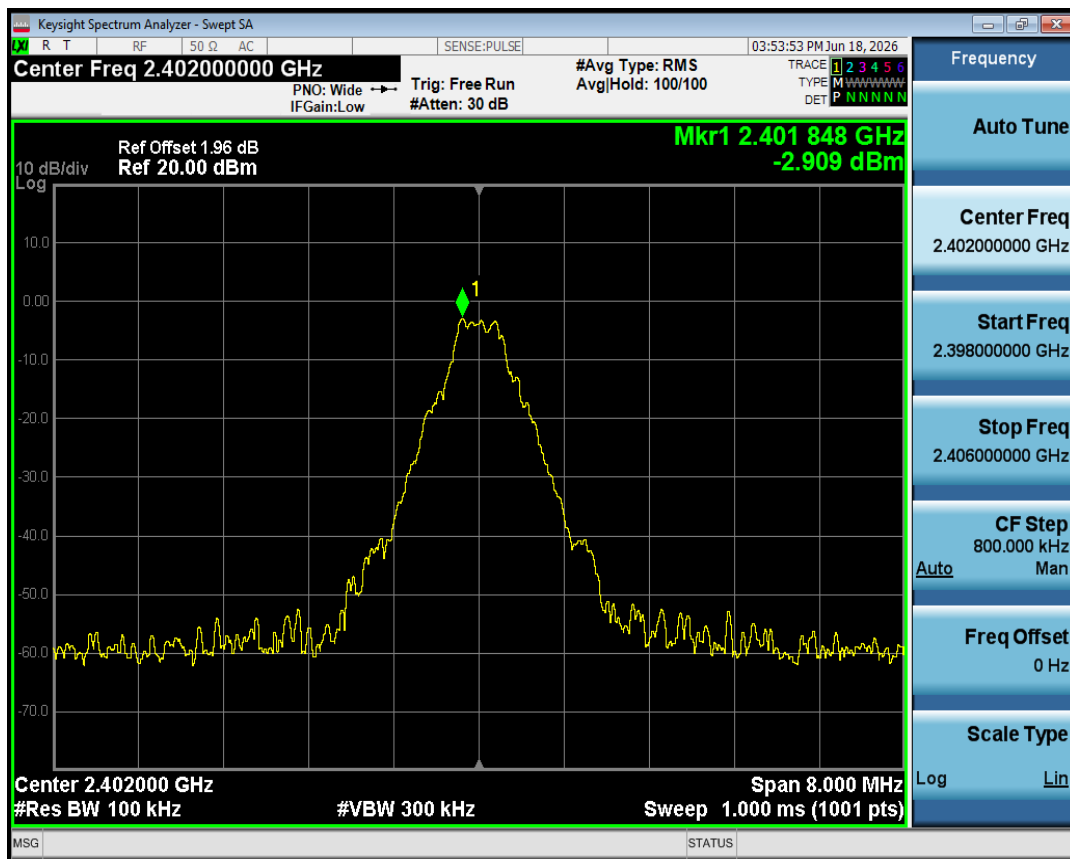
Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	GFSK	ANT_L	78	15	Pass

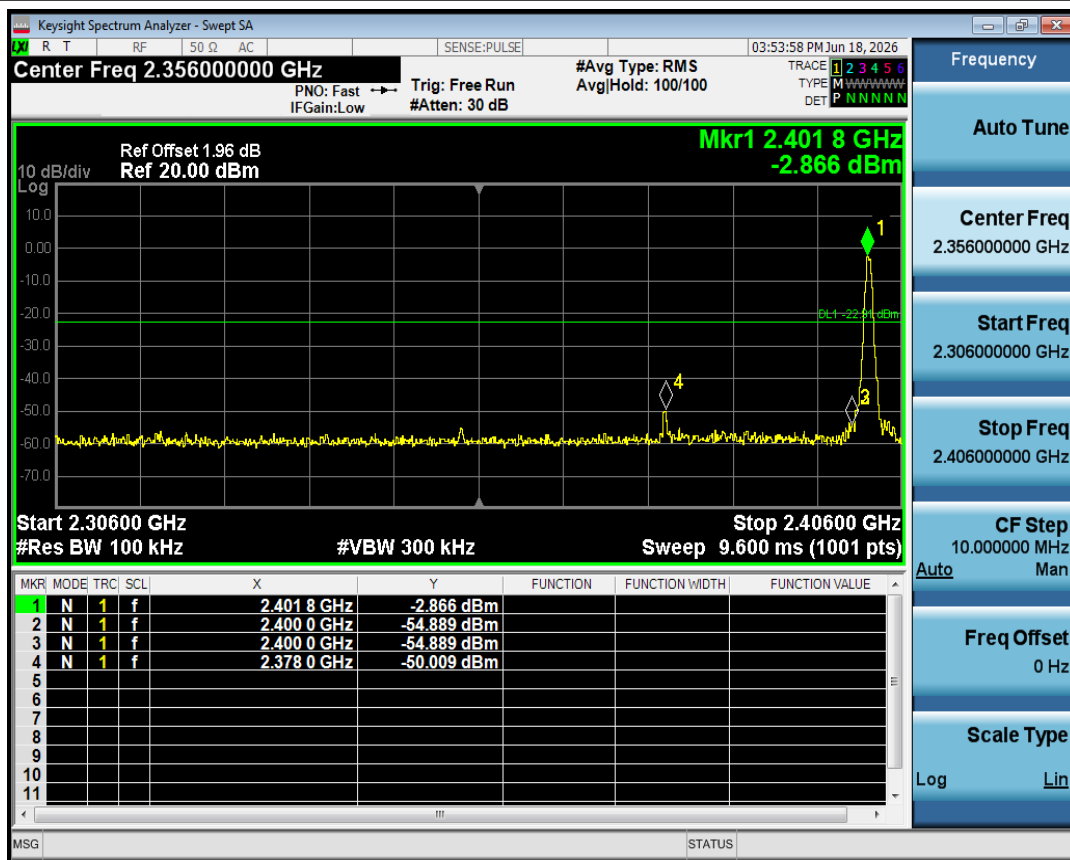


Band Edge

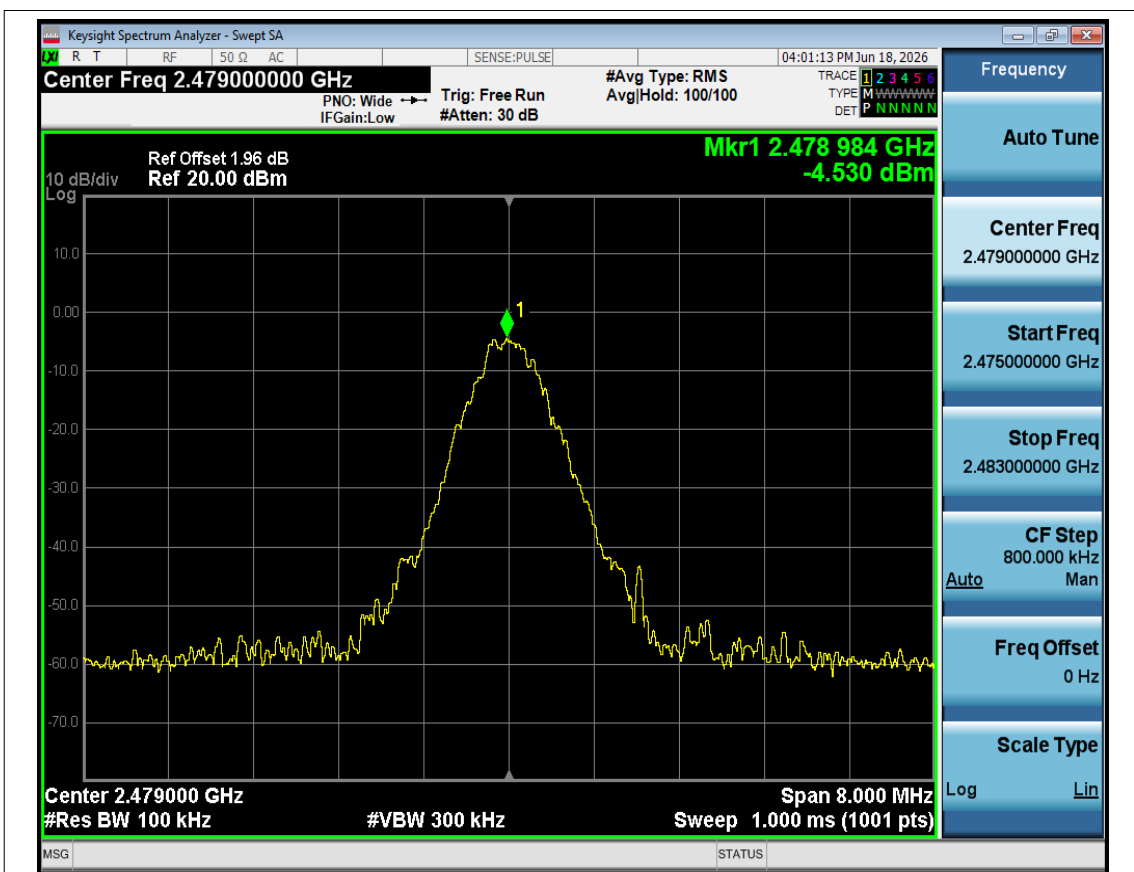
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2402	ANT_L	No-Hopping	-47.09	-20	Pass
NVNT	GFSK	2479	ANT_L	No-Hopping	-51.58	-20	Pass



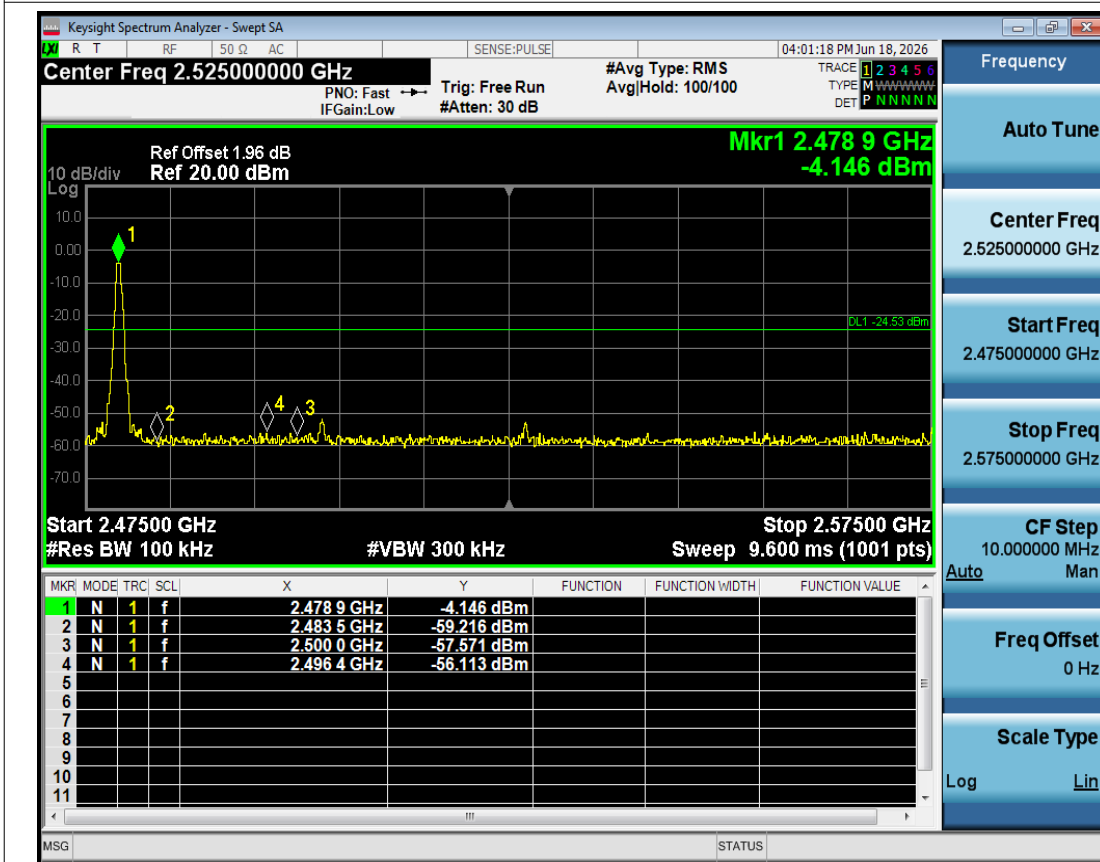
Band Edge NVNT GFSK 2402MHz ANT_L No-Hopping Ref



Band Edge NVNT GFSK 2402MHz ANT_L No-Hopping Emission



Band Edge NVNT GFSK 2479MHz ANT_L No-Hopping Ref



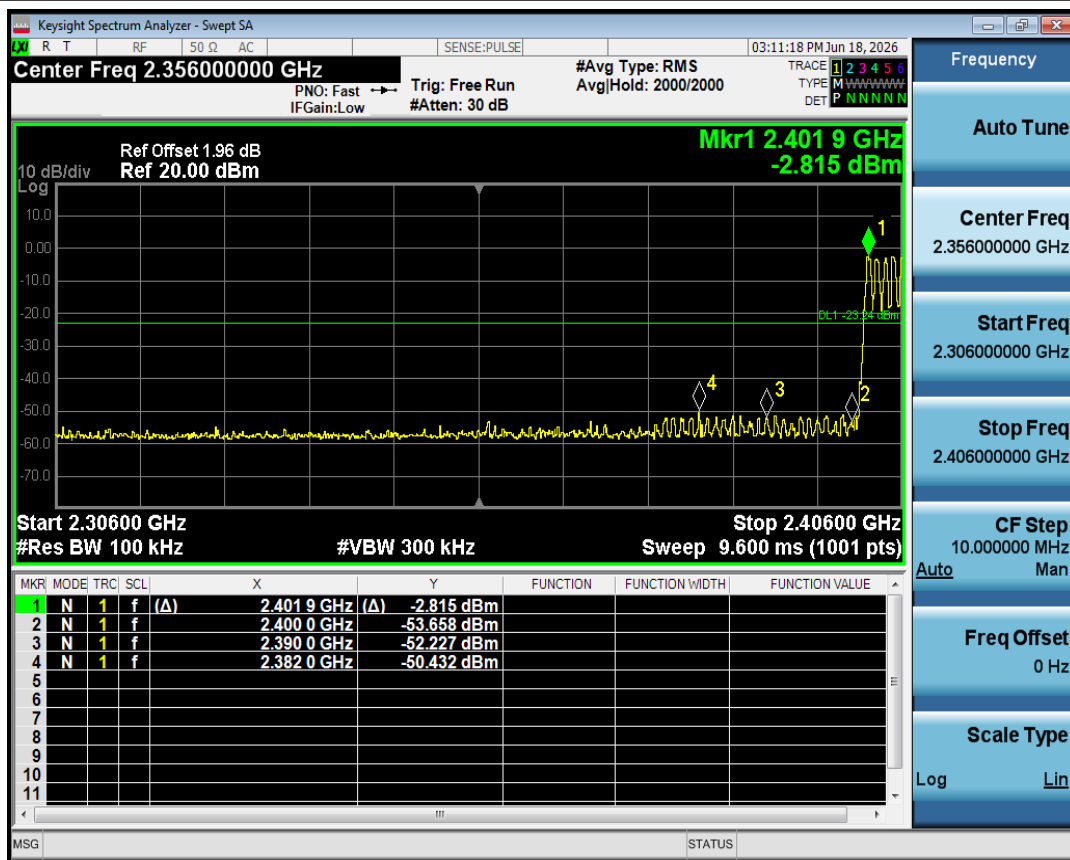
Band Edge NVNT GFSK 2479MHz ANT_L No-Hopping Emission

Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2402	ANT_L	Hopping	-47.19	-20	Pass
NVNT	GFSK	2479	ANT_L	Hopping	-46.99	-20	Pass



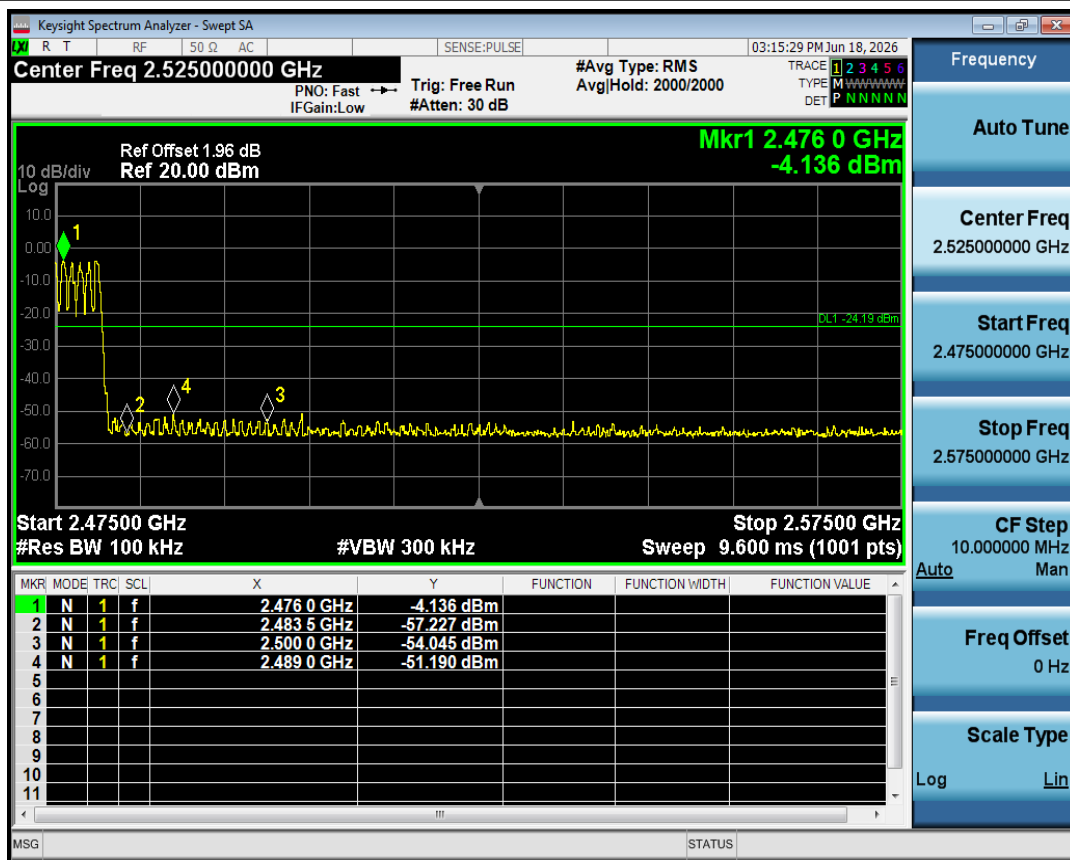
Band Edge(Hopping) NVNT GFSK 2402MHz ANT_L Hopping Ref



Band Edge(Hopping) NVNT GFSK 2402MHz ANT_L Hopping Emission



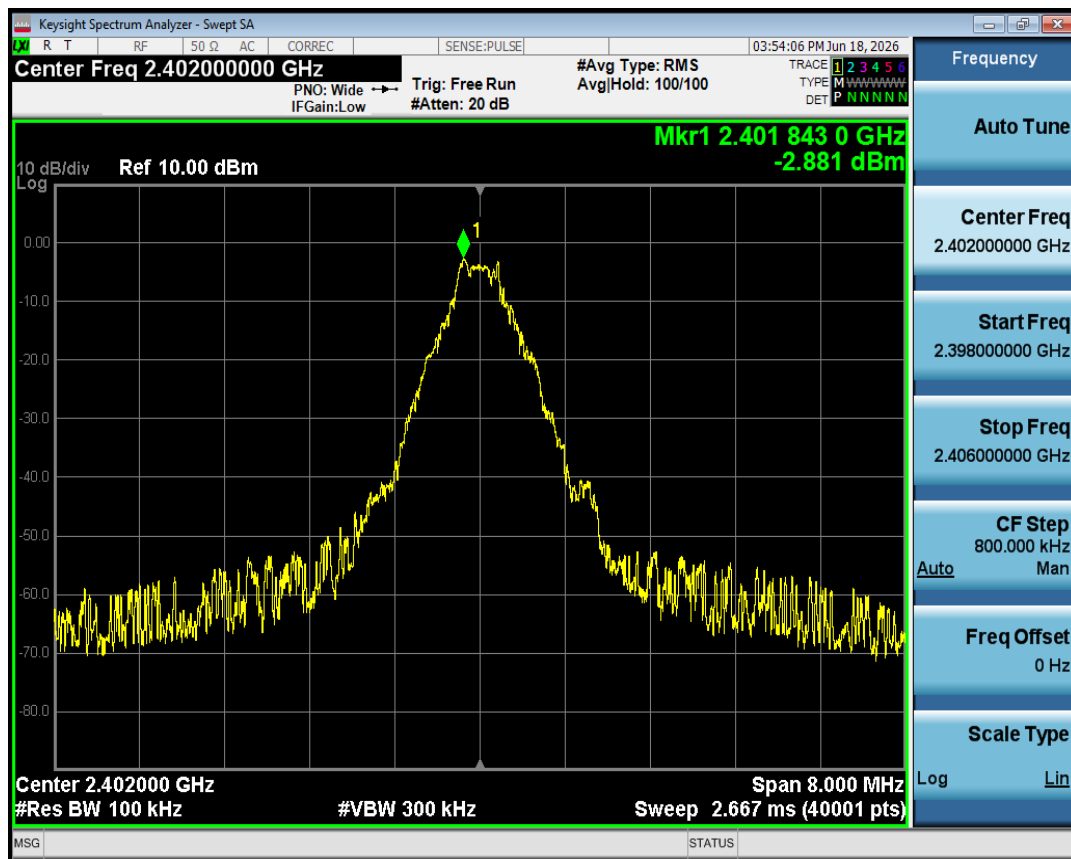
Band Edge(Hopping) NVNT GFSK 2479MHz ANT_L Hopping Ref



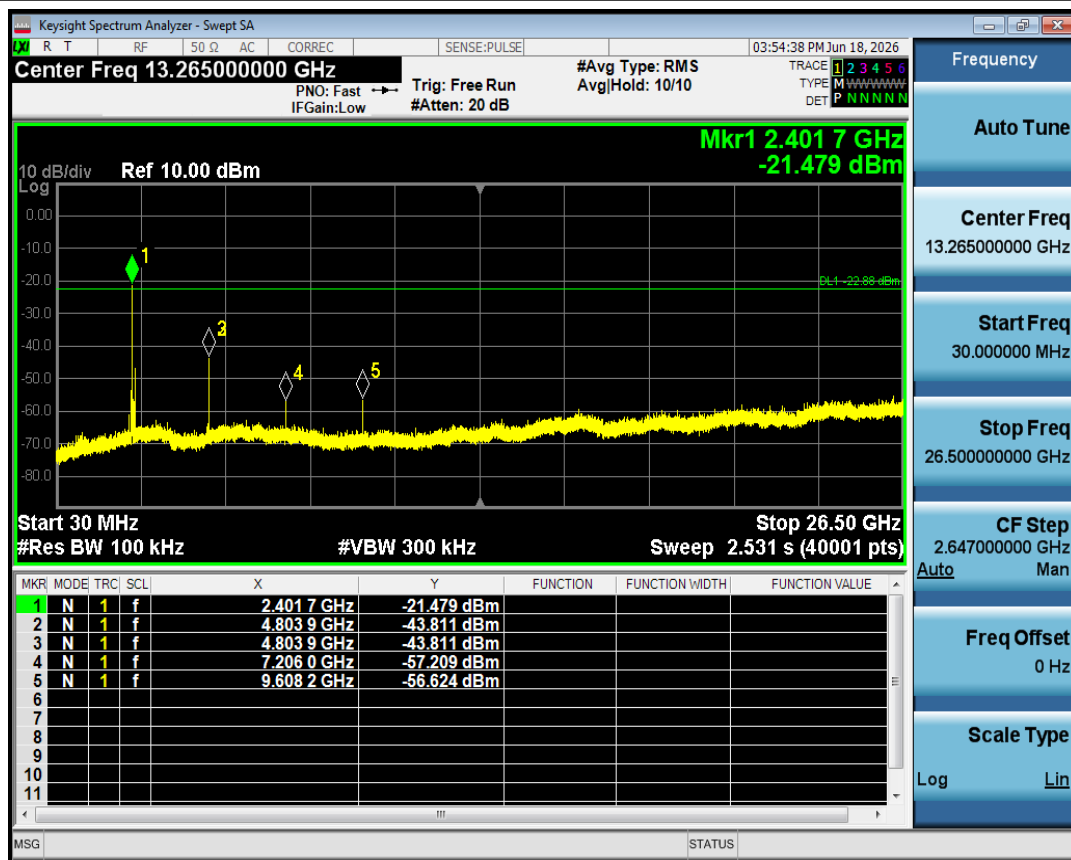
Band Edge(Hopping) NVNT GFSK 2479MHz ANT_L Hopping Emission

Conducted RF Spurious Emission

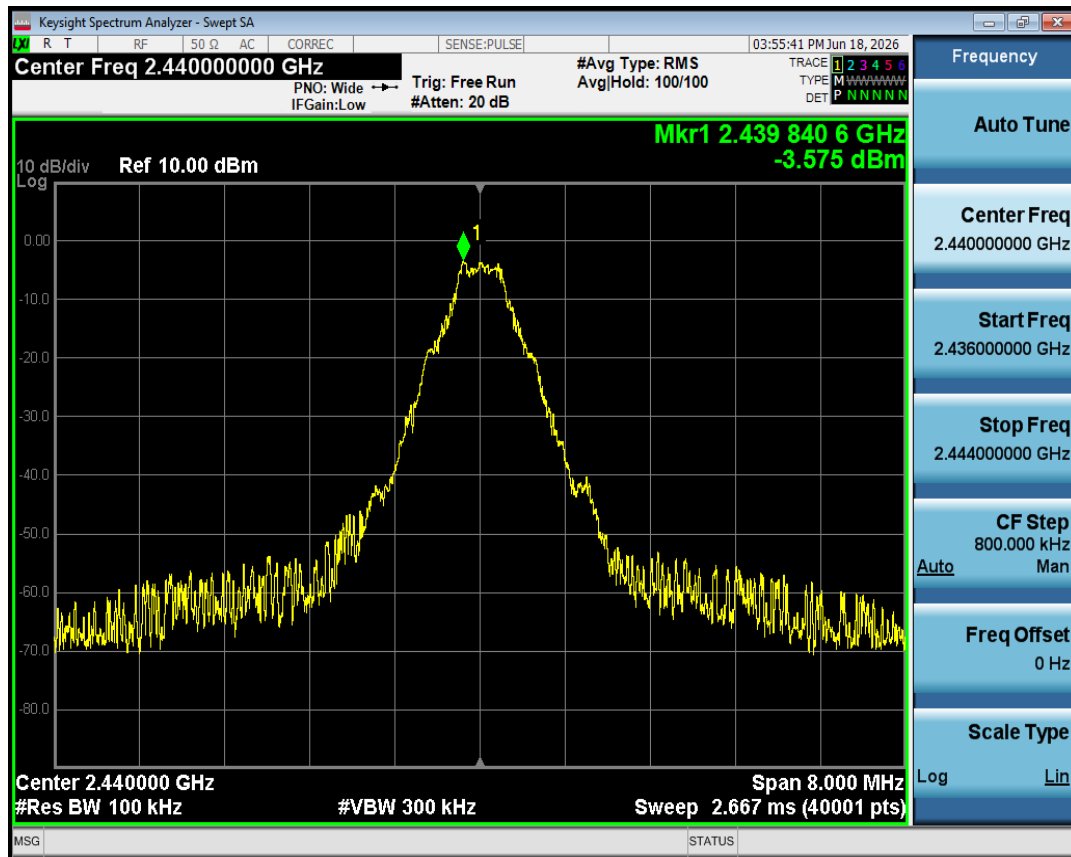
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2402	ANT_L	-40.93	-20	Pass
NVNT	GFSK	2440	ANT_L	-38.99	-20	Pass
NVNT	GFSK	2479	ANT_L	-39.38	-20	Pass



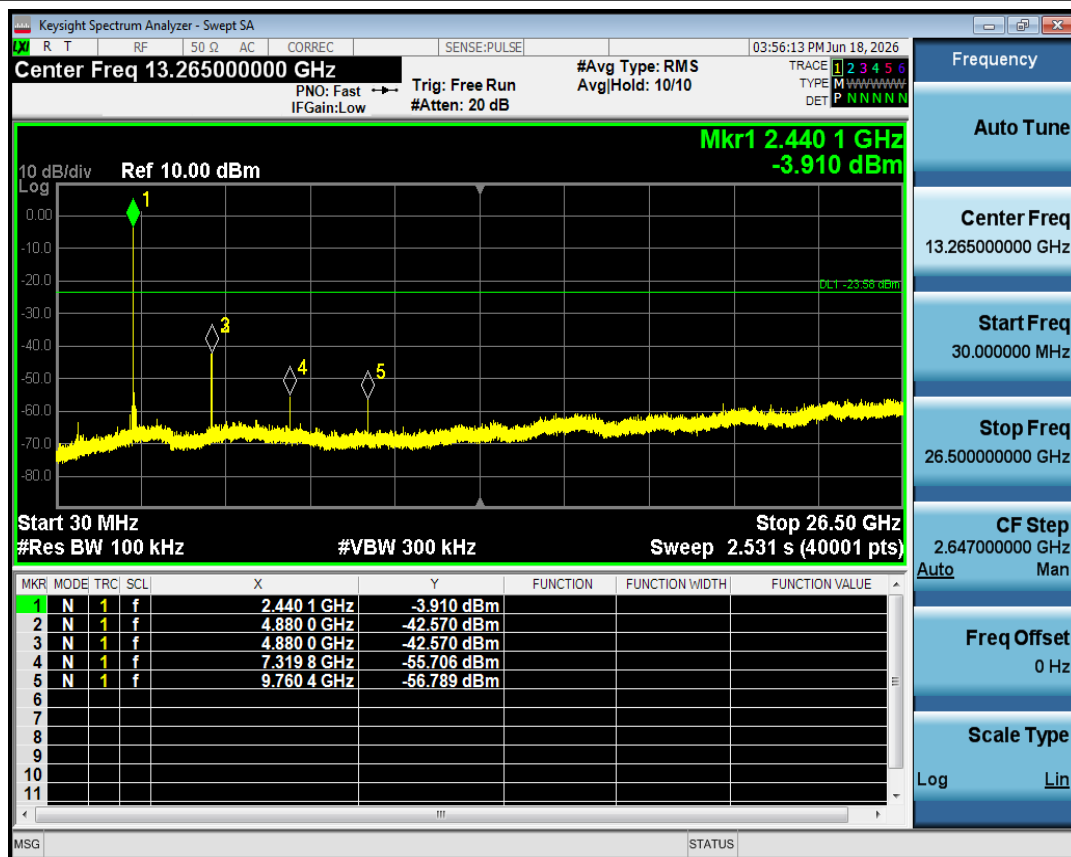
Tx. Spurious NVNT GFSK 2402MHz ANT L Ref



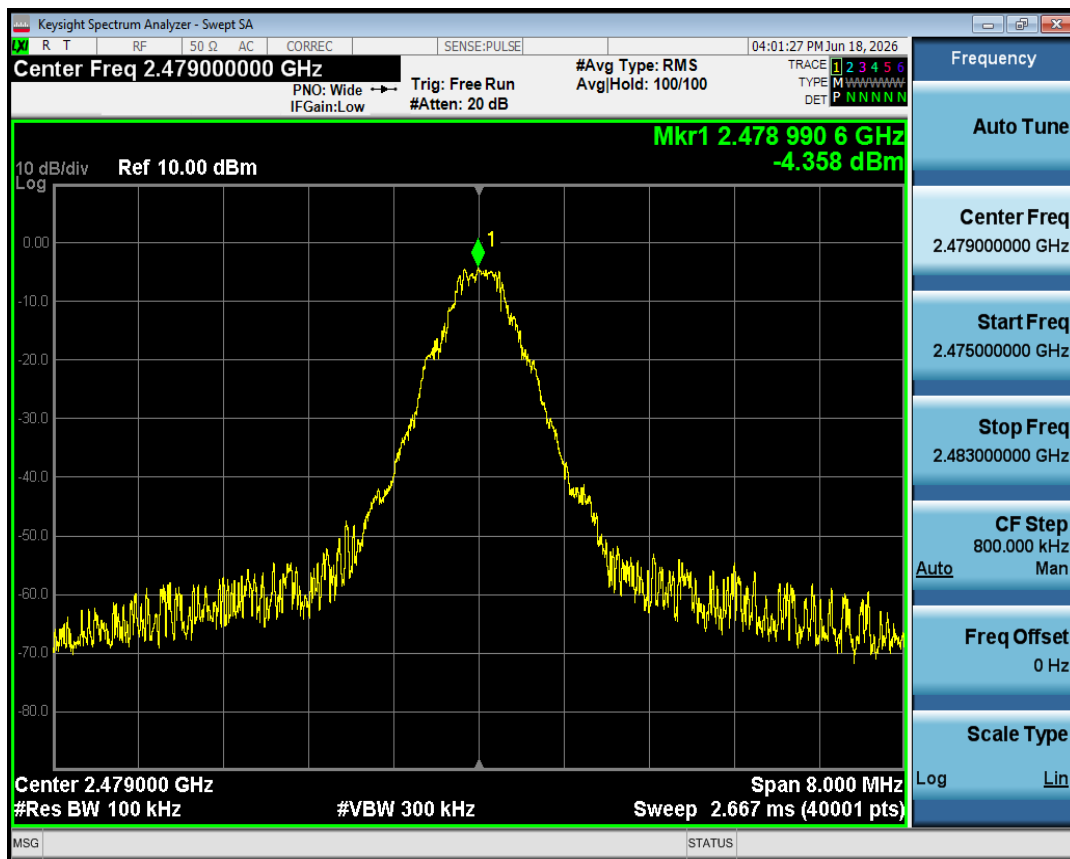
Tx. Spurious NVNT GFSK 2402MHz ANT L Emission



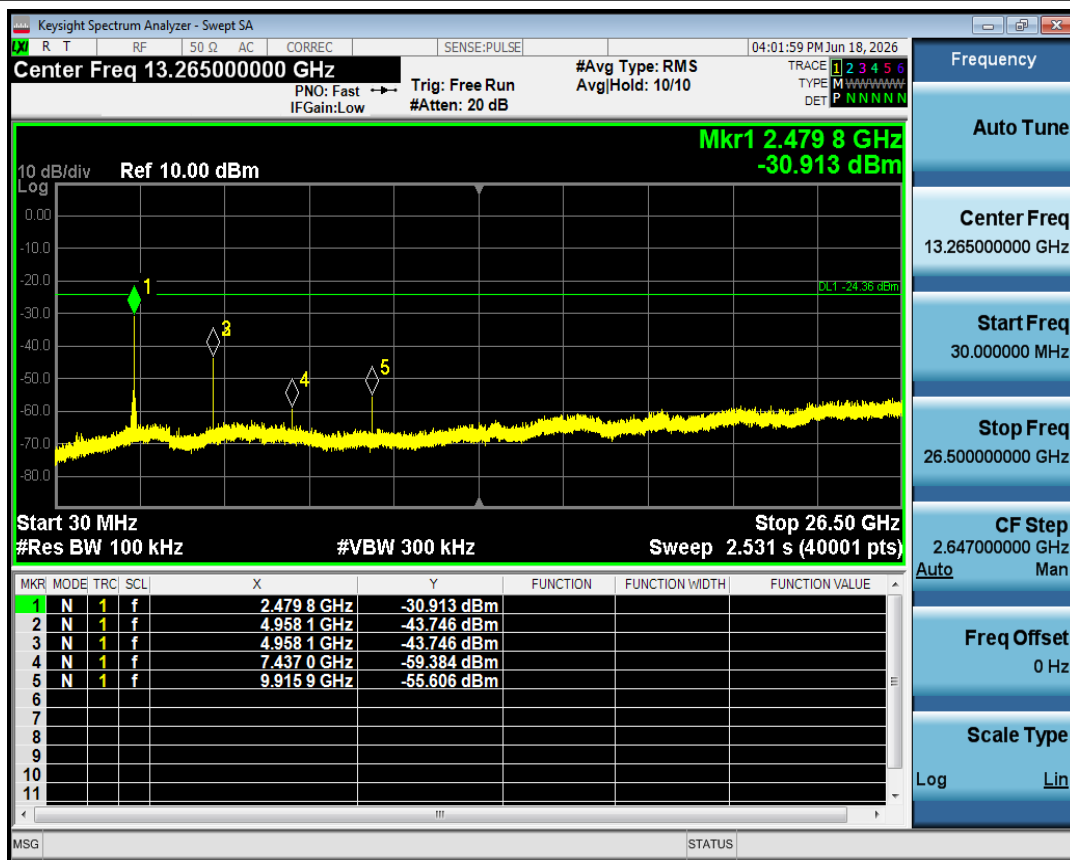
Tx. Spurious NVNT GFSK 2440MHz ANT_L Ref



Tx. Spurious NVNT GFSK 2440MHz ANT_L Emission



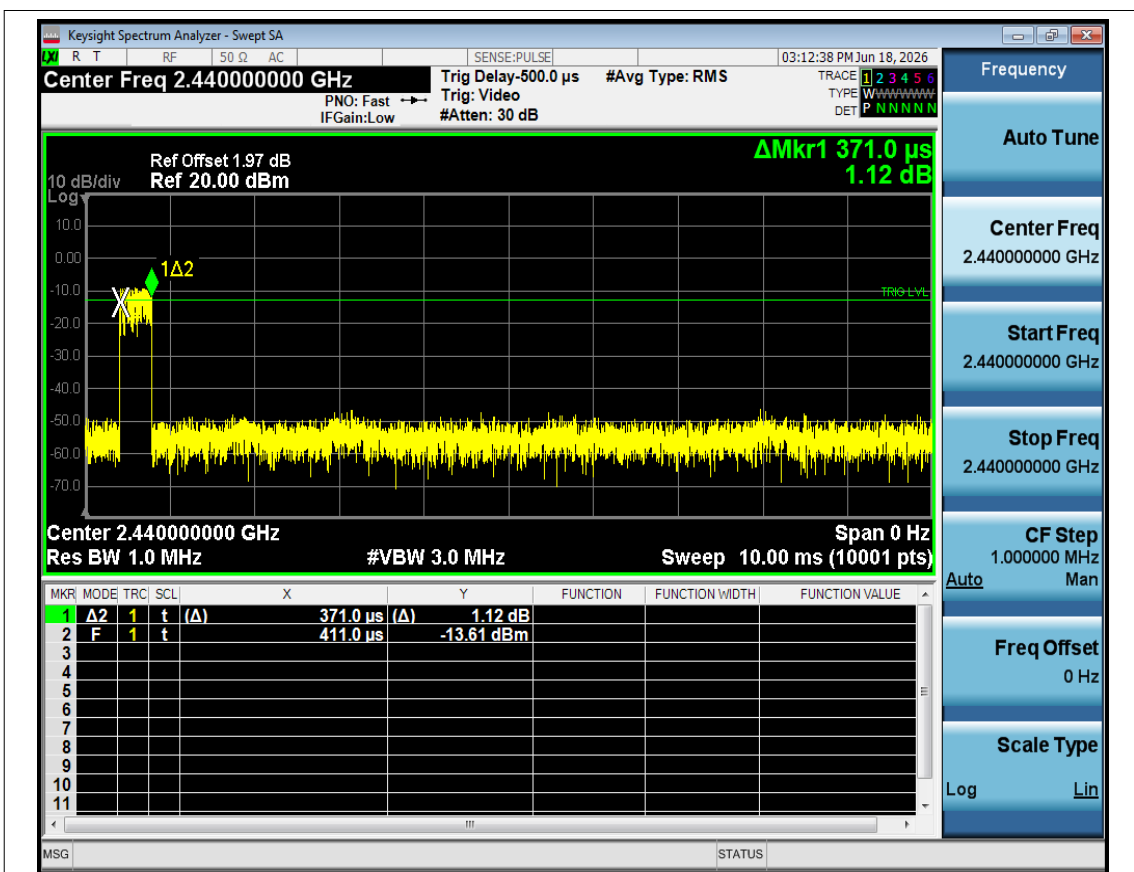
Tx. Spurious NVNT GFSK 2479MHz ANT_L Ref



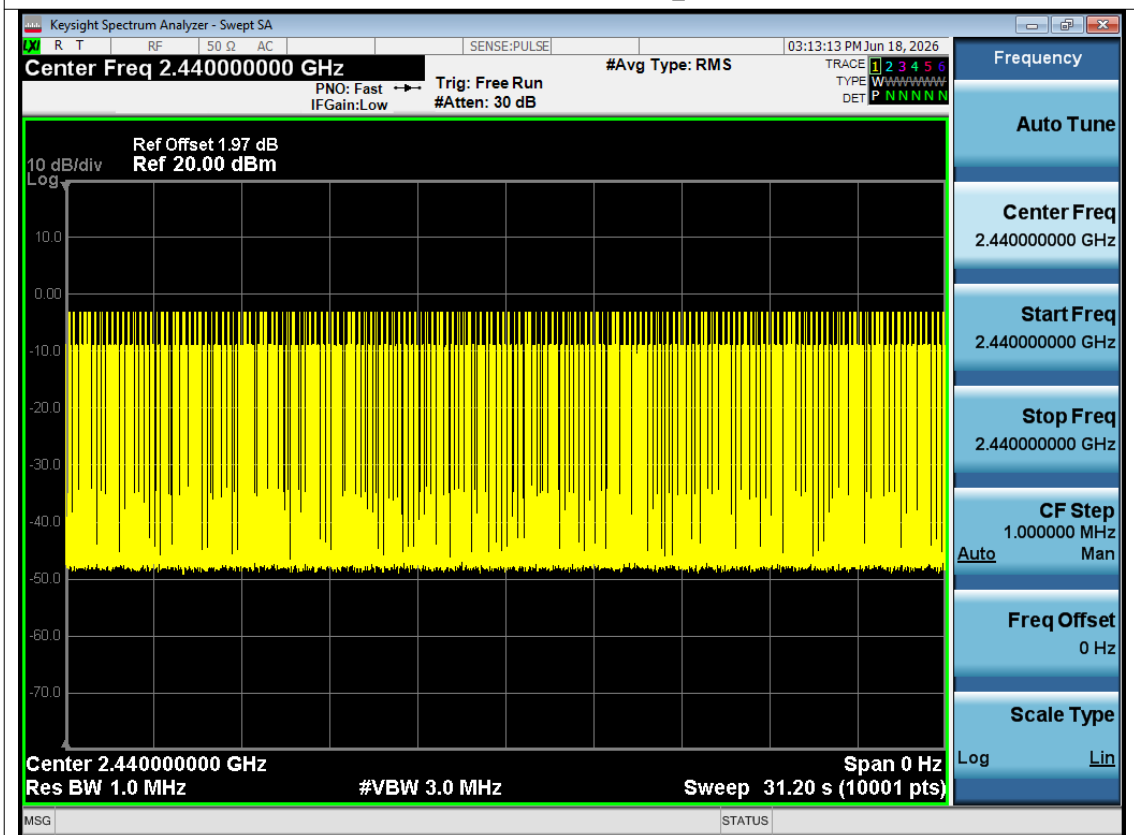
Tx. Spurious NVNT GFSK 2479MHz ANT_L Emission

Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	GFSK	2440	ANT_L	0.371	117.978	318	31600	400	Pass



Dwell NVNT GFSK 2440MHz ANT_L One Burst



Dwell NVNT GFSK 2440MHz ANT_L Accumulated