
FCC ID (Part15.247) Test Data
Report No.: NCT260031048XE1-1
FCC ID: 2ATHV-DRC10P

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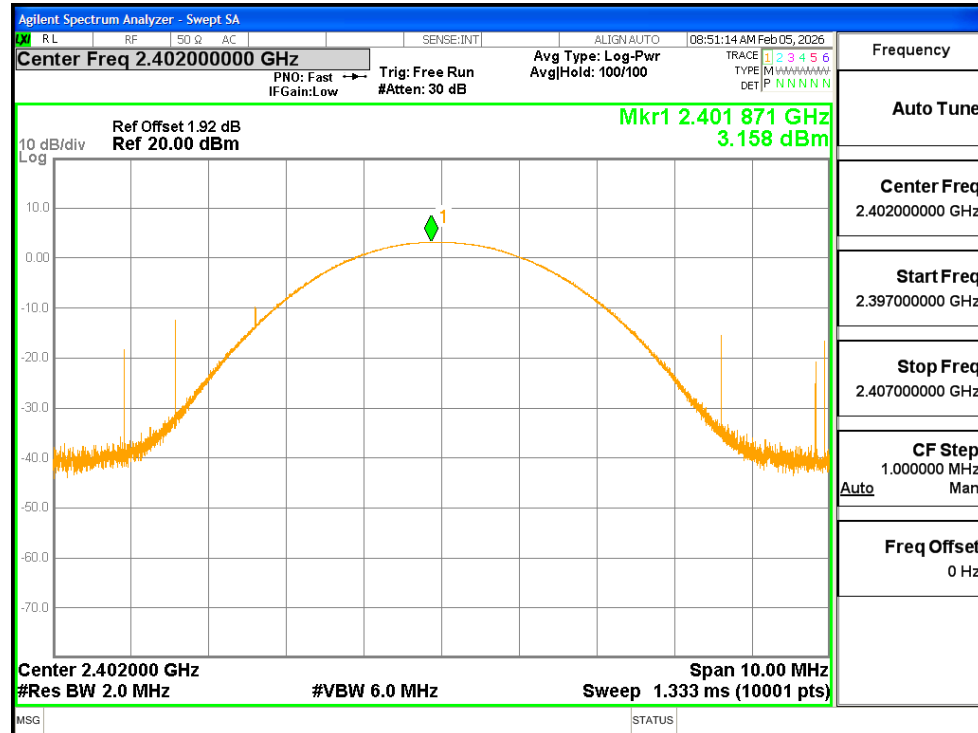
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Maximum Conducted Output Power

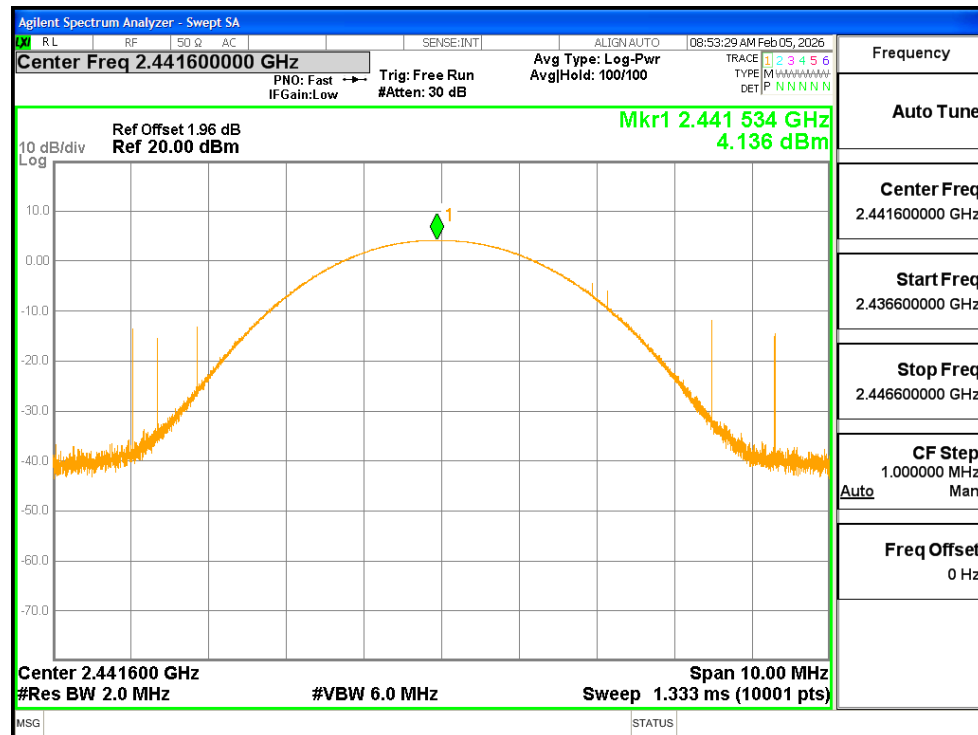
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	GFSK	2402	Ant1	3.16	0	3.16	21	Pass
		2441.6		4.14	0	4.14	21	Pass
		2481.2		4.31	0	4.31	21	Pass

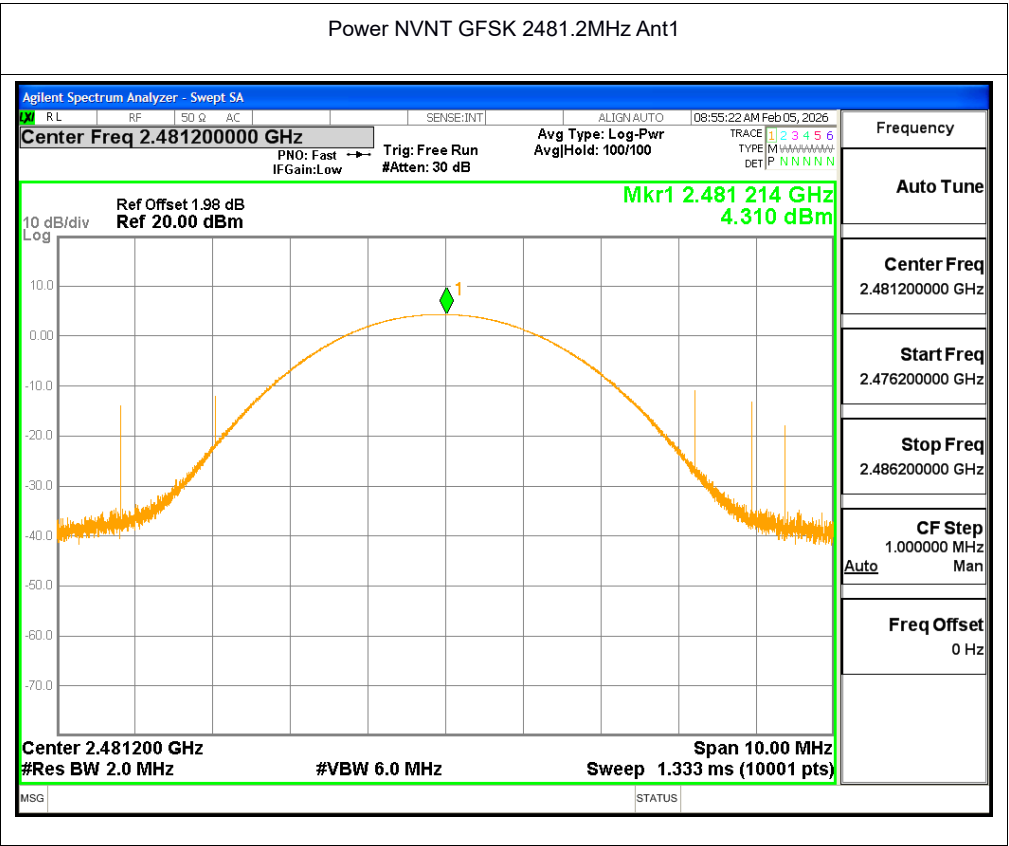
Test Graphs

Power NVNT GFSK 2402MHz Ant1



Power NVNT GFSK 2441.6MHz Ant1



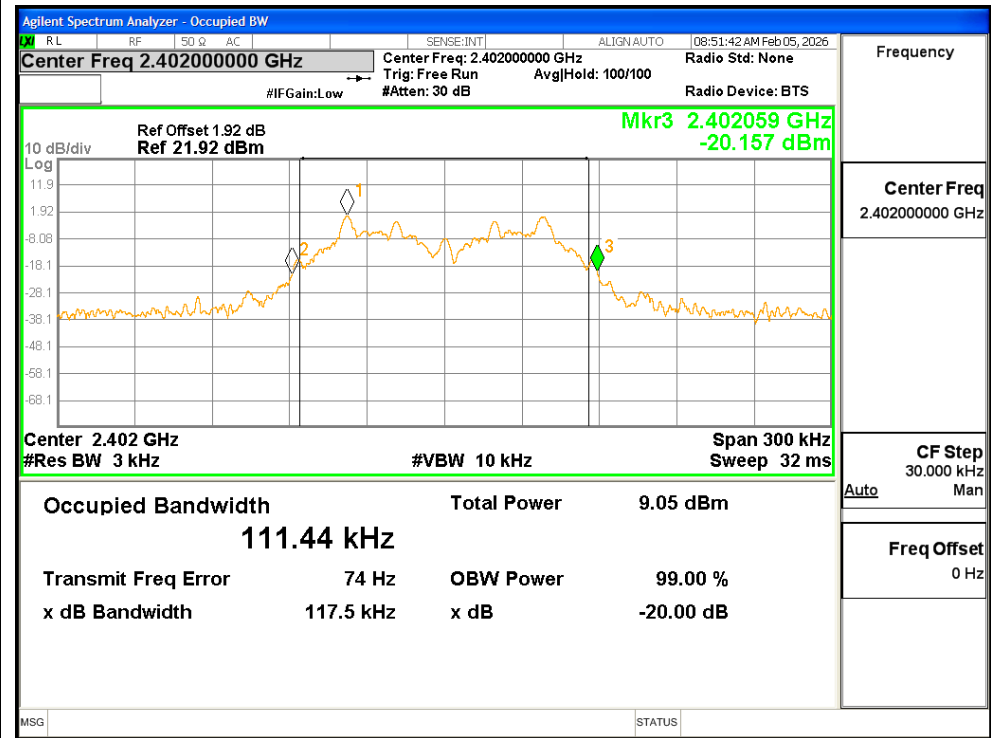


-20dB Bandwidth

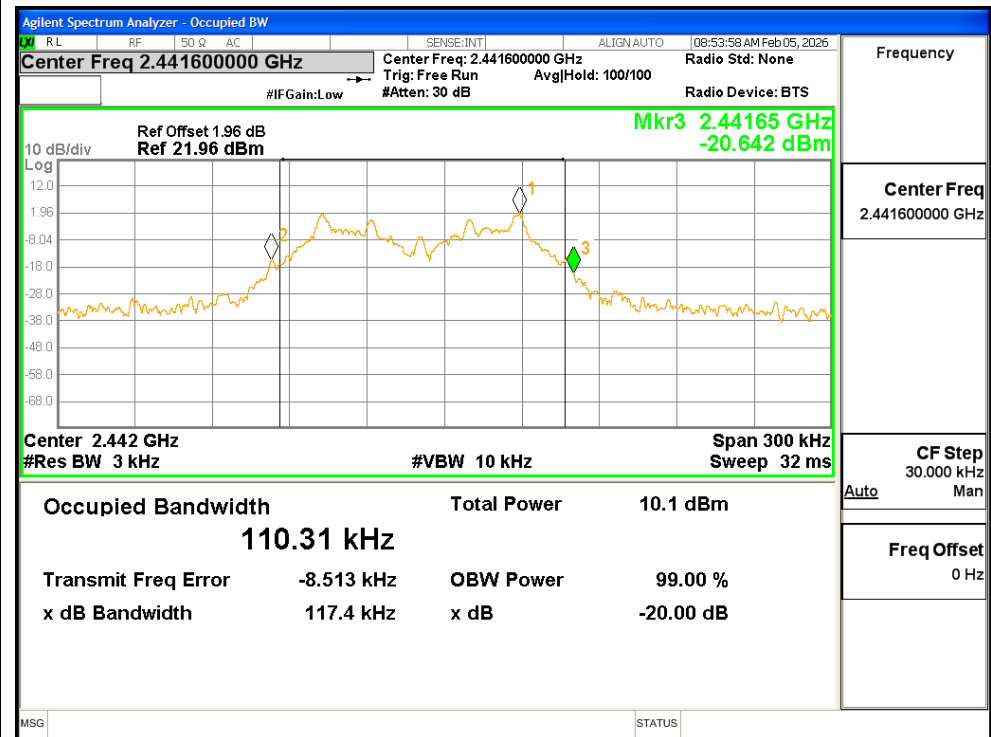
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	GFSK	2402	Ant1	0.117	0	Pass
		2441.6		0.117	0	Pass
		2481.2		0.117	0	Pass

Test Graphs

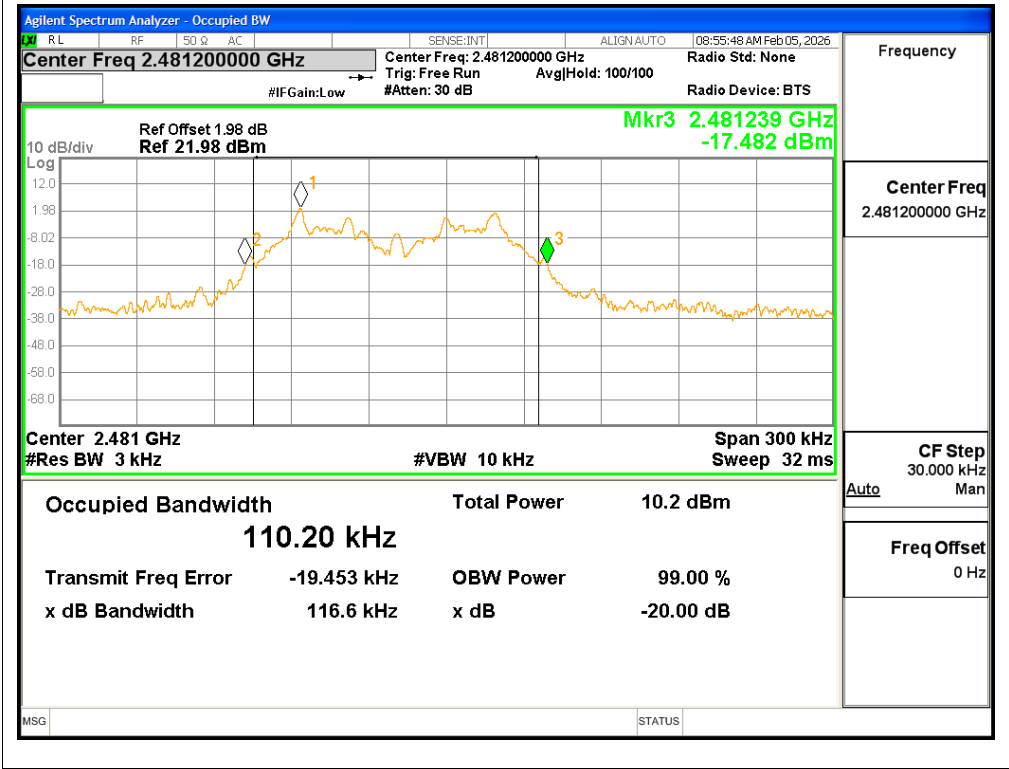
-20dB Bandwidth NVNT GFSK 2402MHz Ant1



-20dB Bandwidth NVNT GFSK 2441.6MHz Ant1



-20dB Bandwidth NVNT GFSK 2481.2MHz Ant1

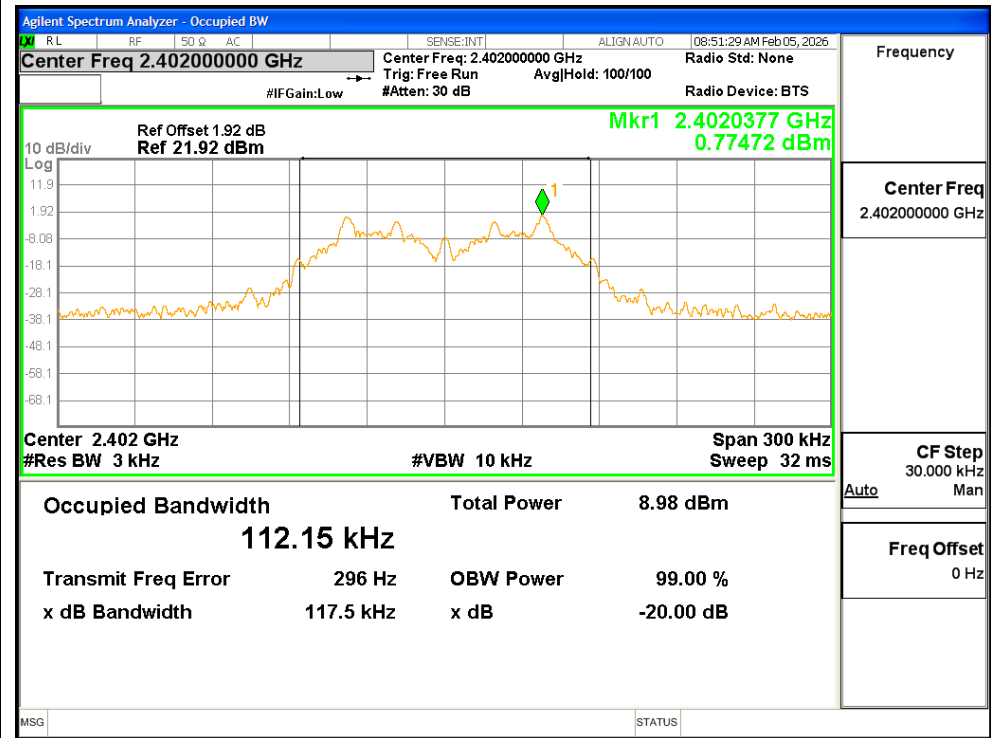


Occupied Channel Bandwidth

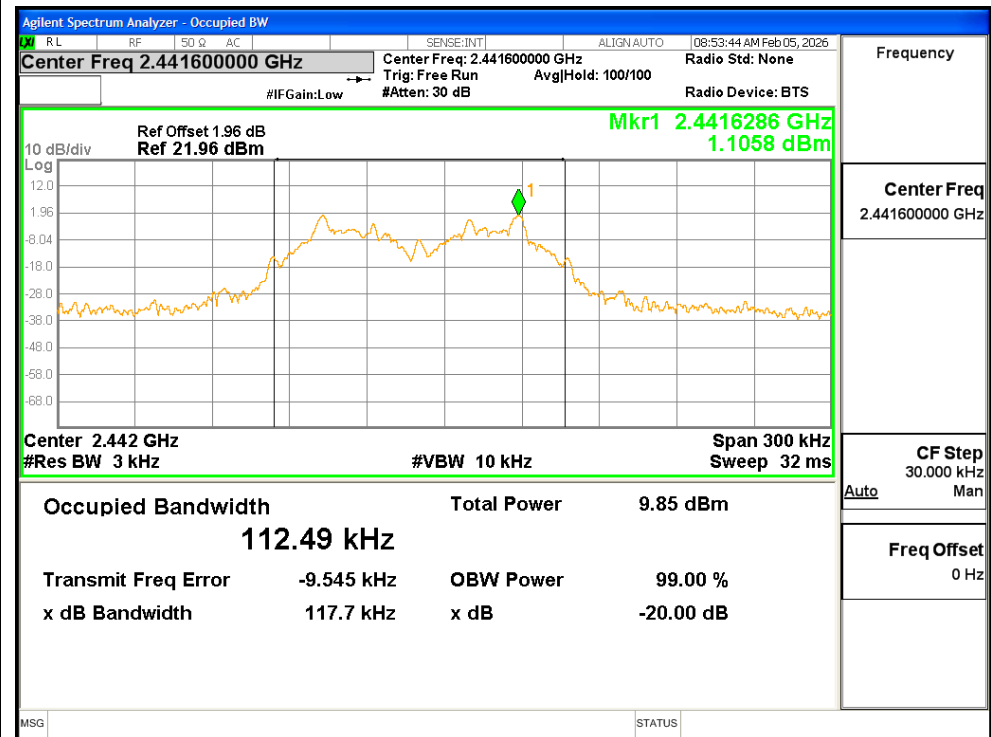
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	GFSK	2402	Ant1	0.112
		2441.6		0.112
		2481.2		0.112

Test Graphs

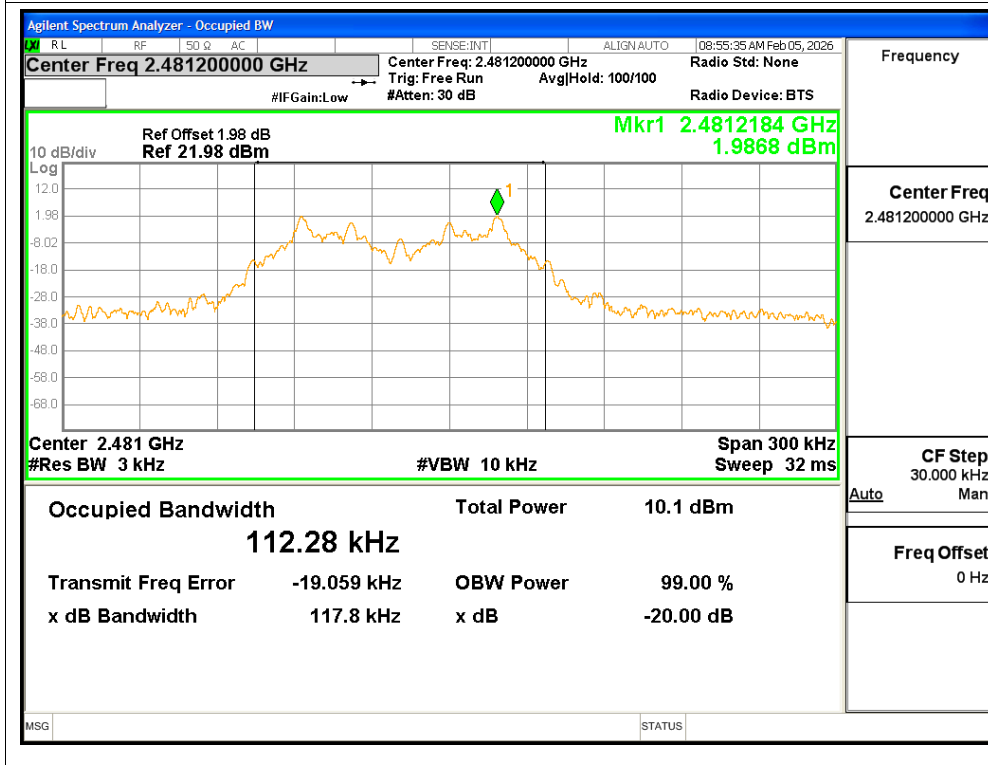
OBW NVNT GFSK 2402MHz Ant1



OBW NVNT GFSK 2441.6MHz Ant1



OBW NVNT GFSK 2481.2MHz Ant1

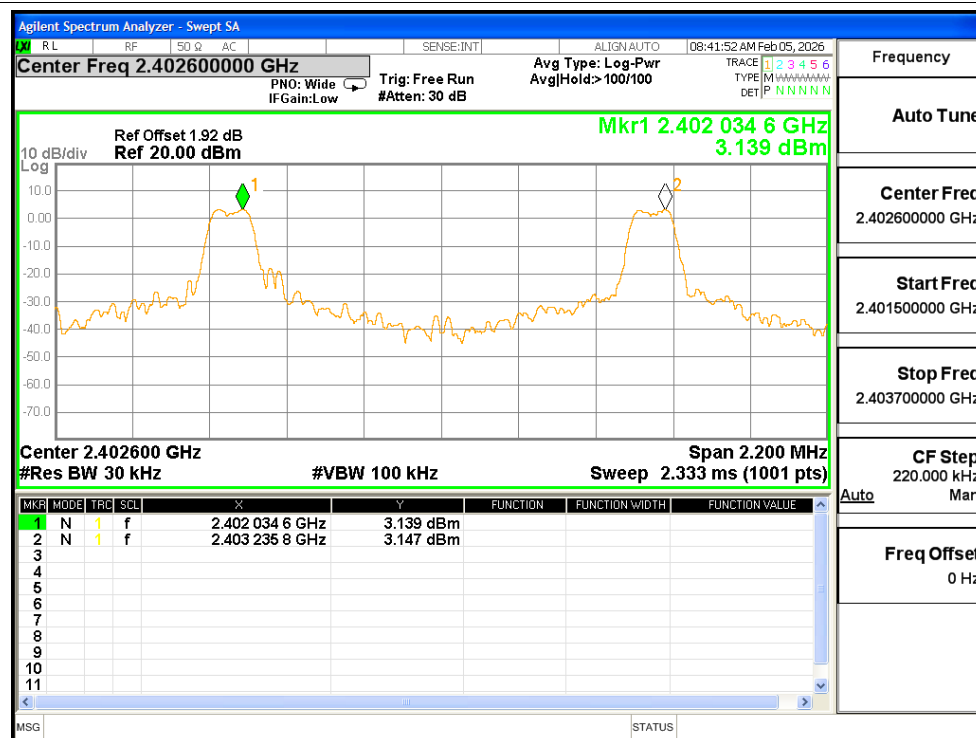


Carrier Frequencies Separation

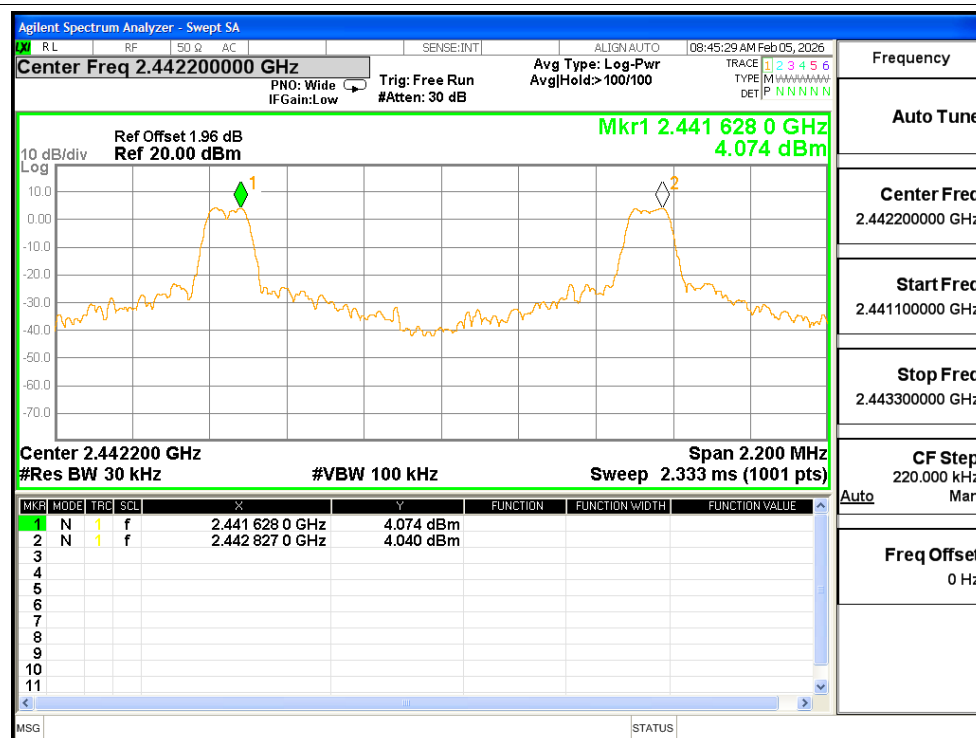
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	GFSK	Ant1	2402.0346	2403.2358	1.2012	0.078	Pass
			2441.628	2442.827	1.199	0.078	Pass
			2480.017	2481.216	1.199	0.078	Pass

Test Graphs

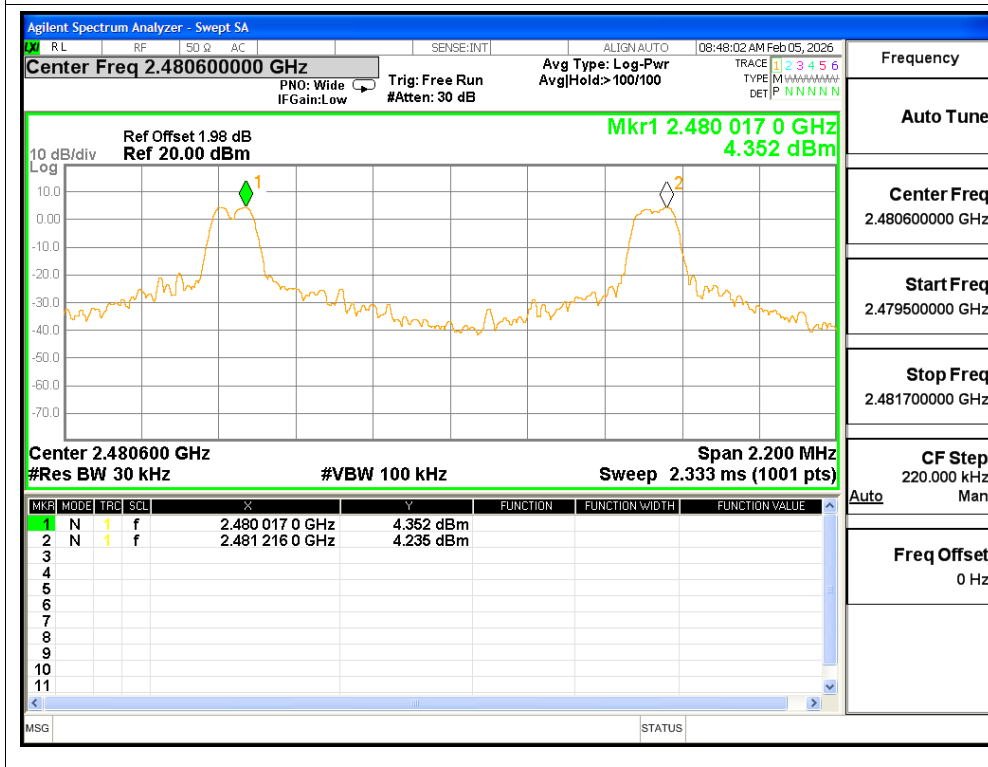
CFS NVNT GFSK 2402MHz Ant1



CFS NVNT GFSK 2441.6MHz Ant1



CFS NVNT GFSK 2481.2MHz Ant1

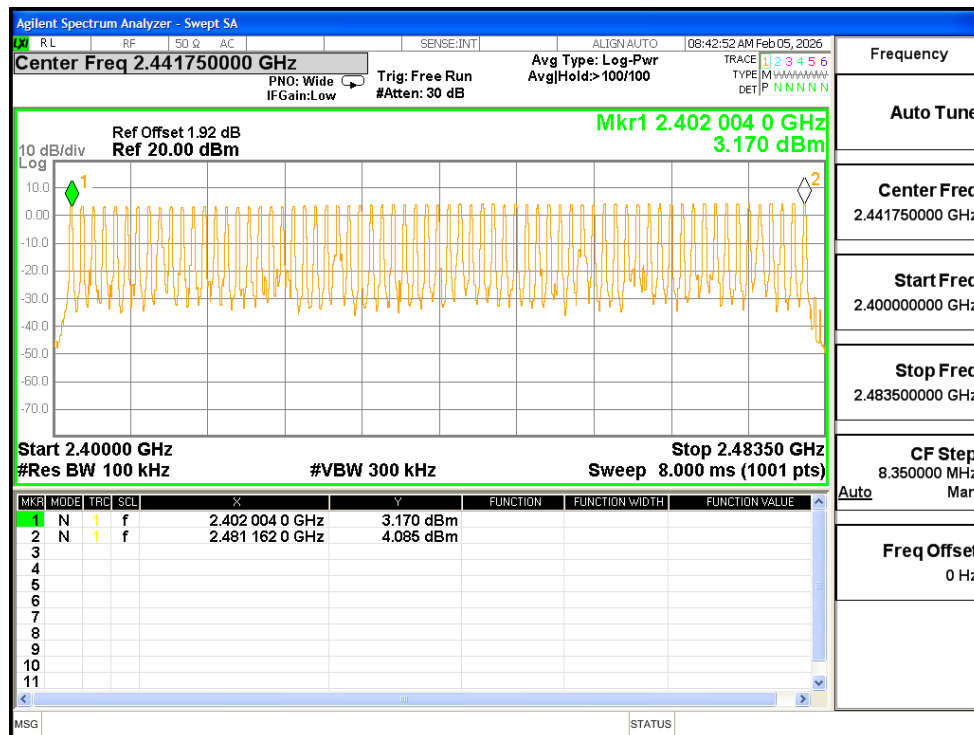


Number of Hopping Channel

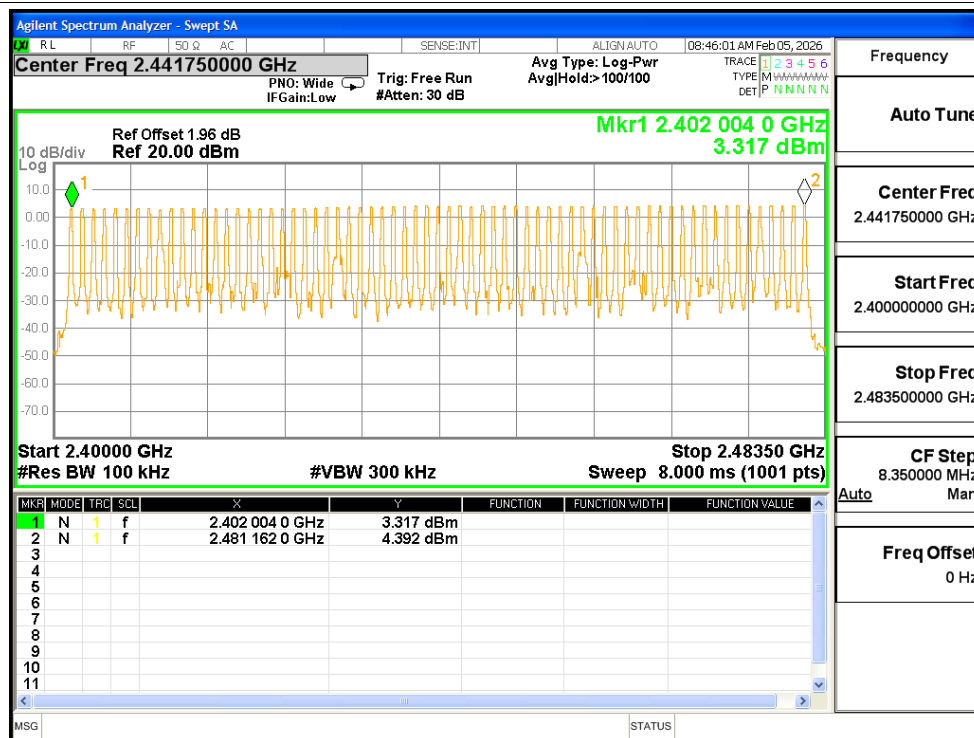
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	GFSK	Ant1	67	15	Pass

Test Graphs

Hopping No. NVNT GFSK 2402MHz Ant1



Hopping No. NVNT GFSK 2441.6MHz Ant1



Hopping No. NVNT GFSK 2481.2MHz Ant1

The screenshot shows the Agilent Spectrum Analyzer interface. At the top, it indicates 'Agilent Spectrum Analyzer - Swept SA'. The main display area shows a frequency sweep from 2.400 GHz to 2.4835 GHz. A specific frequency component is highlighted with a green marker at 2.402004 GHz, showing a power level of 3.261 dBm. The plot also shows other components of the hopping signal. On the right side, there are several control panels for adjusting parameters like Frequency, Auto Tune, Center Freq, Start Freq, Stop Freq, CF Step, and Freq Offset.

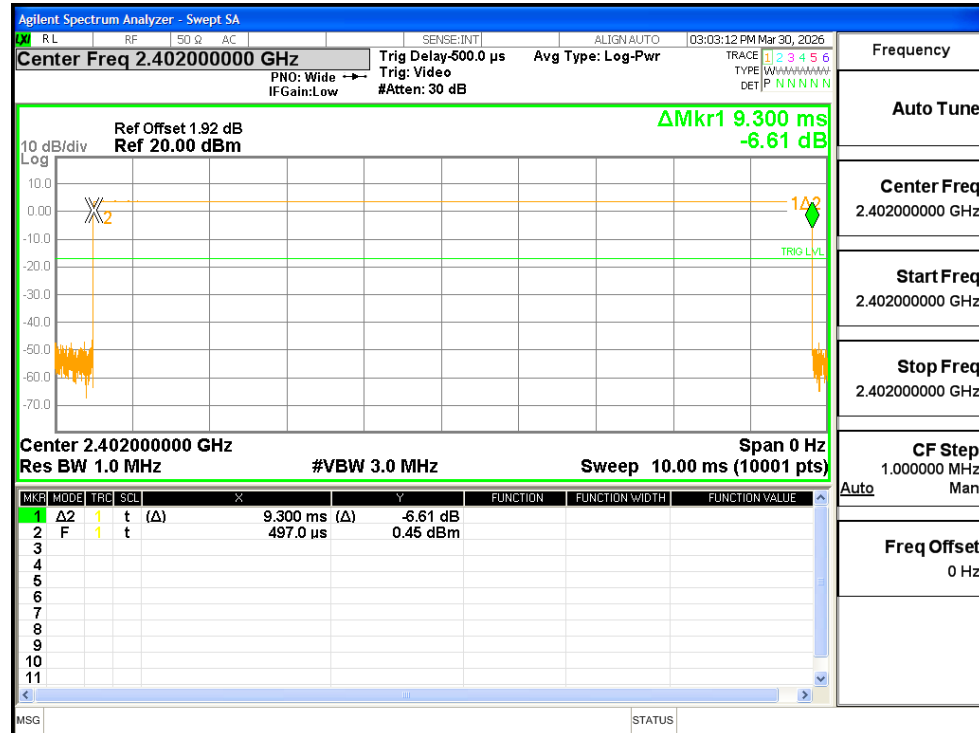
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.402 004 0 GHz	3.261 dBm			
2	N	1	f	2.481 162 0 GHz	4.338 dBm			

Dwell Time

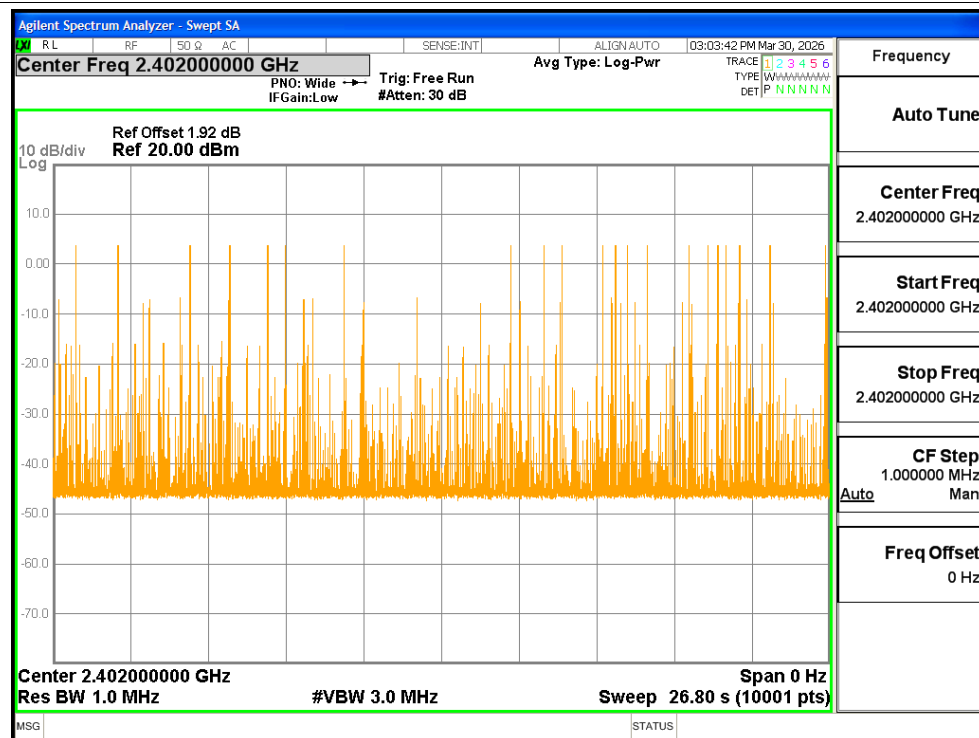
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	GFSK	2402	Ant1	9.3	195.3	21	26800	400	Pass
		2441.6		9.3	186	20	26800	400	Pass
		2481.2		9.302	148.832	16	26800	400	Pass

Test Graphs

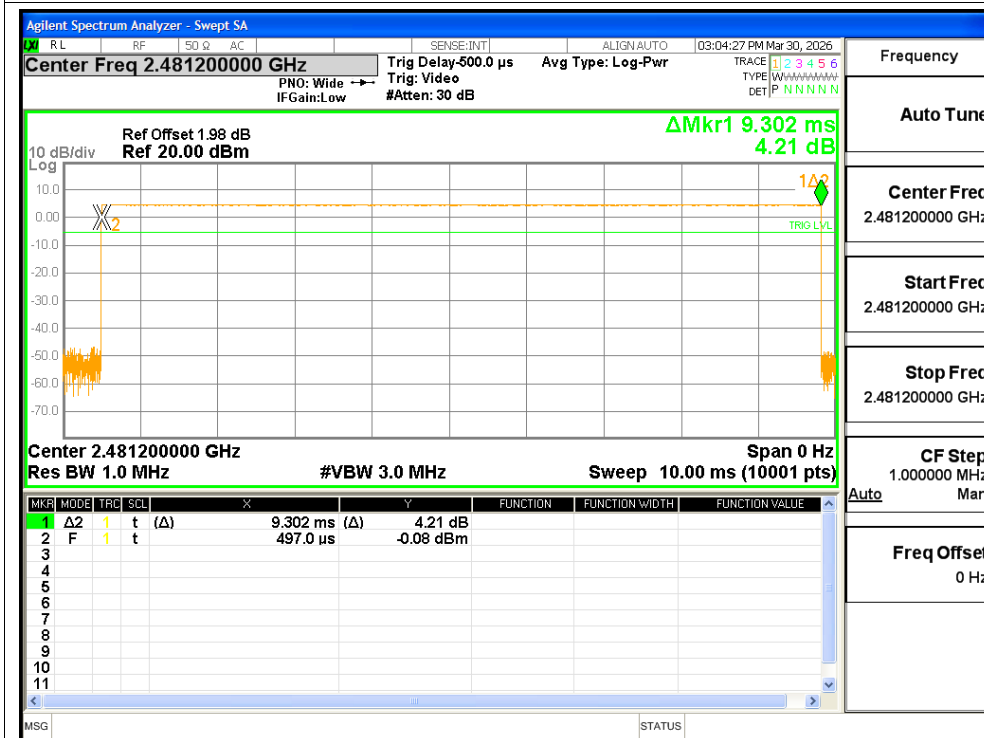
Dwell NVNT GFSK 2402MHz Ant1 One Burst



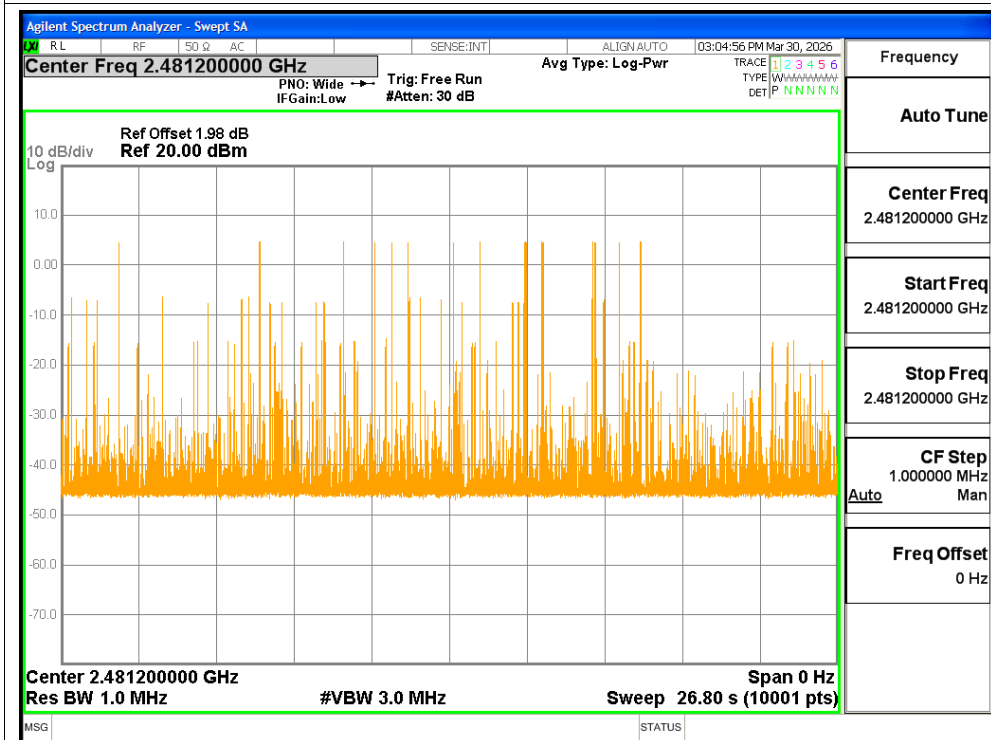
Dwell NVNT GFSK 2402MHz Ant1 Accumulated



Dwell NVNT GFSK 2481.2MHz Ant1 One Burst



Dwell NVNT GFSK 2481.2MHz Ant1 Accumulated

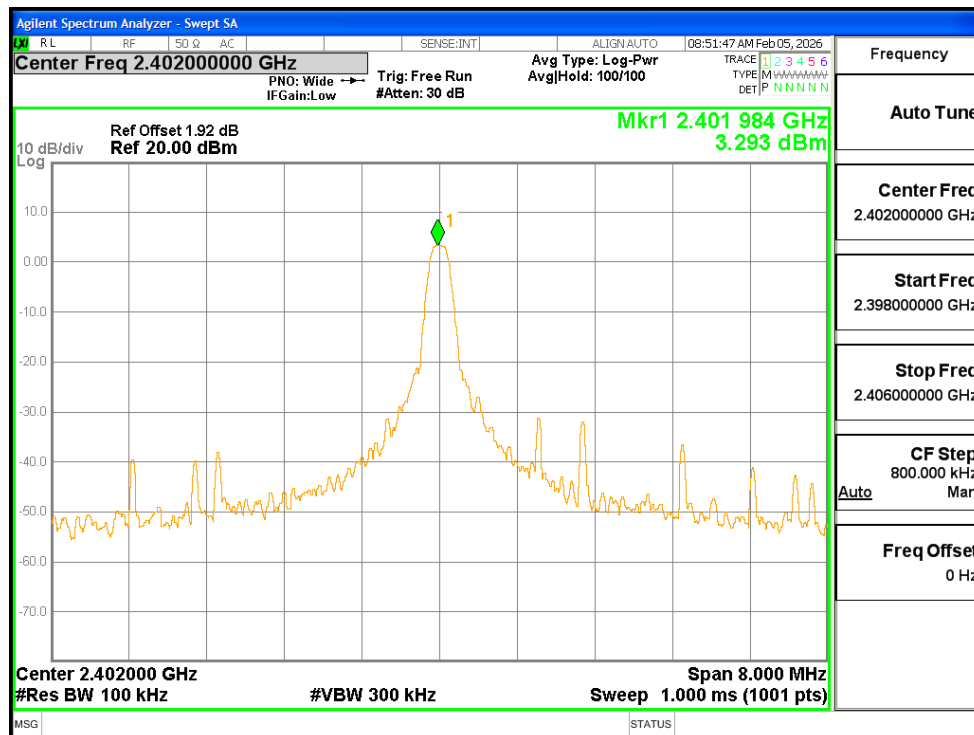


Band Edge

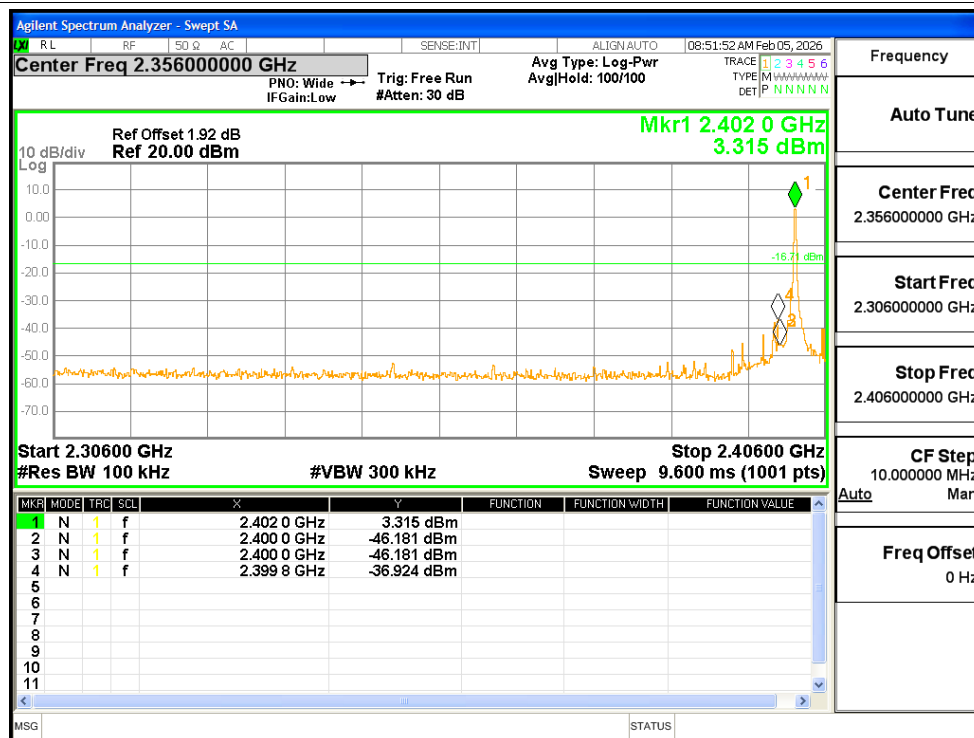
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2402	Ant1	No-Hopping	-40.21	-20	Pass
		2481.2		No-Hopping	-42.57	-20	Pass

Test Graphs

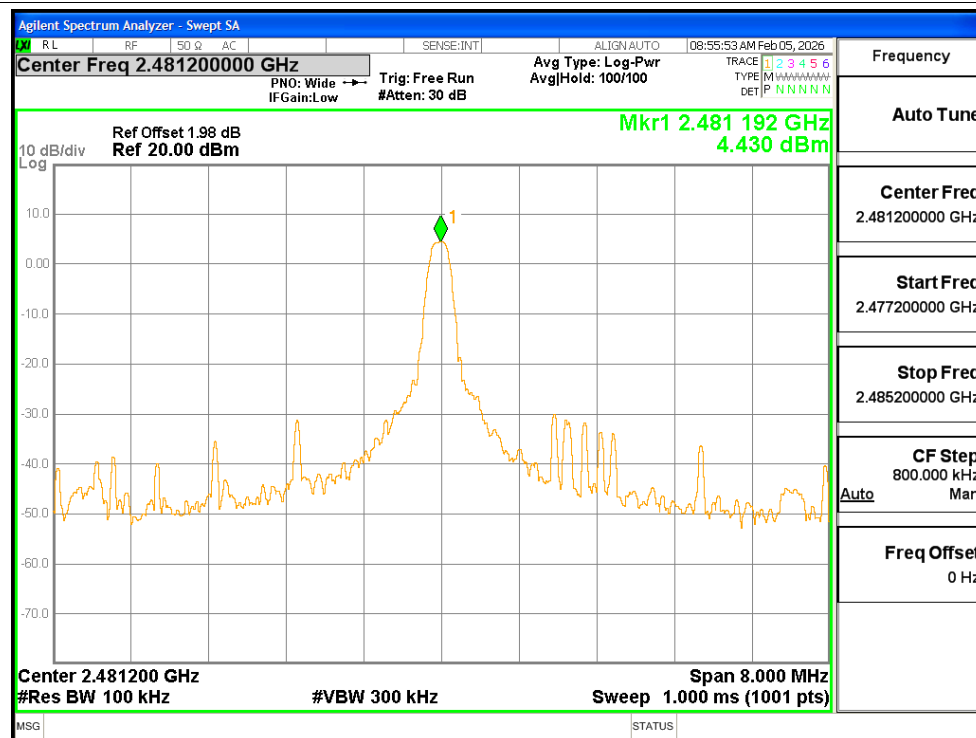
Band Edge NVNT GFSK 2402MHz Ant1 No-Hopping Ref



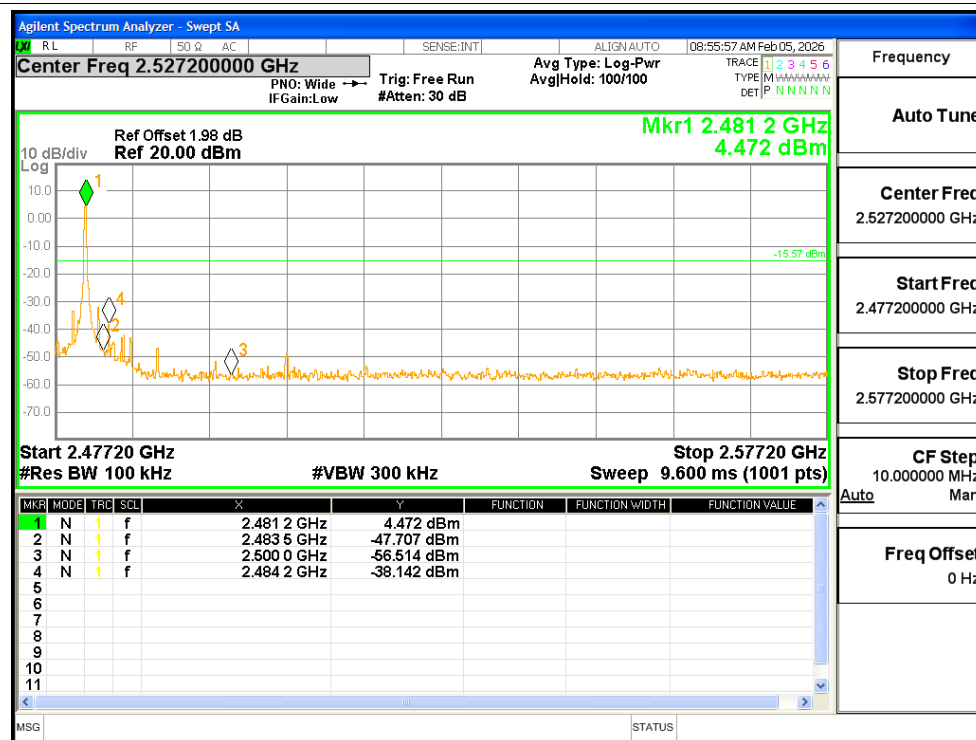
Band Edge NVNT GFSK 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT GFSK 2481.2MHz Ant1 No-Hopping Ref



Band Edge NVNT GFSK 2481.2MHz Ant1 No-Hopping Emission

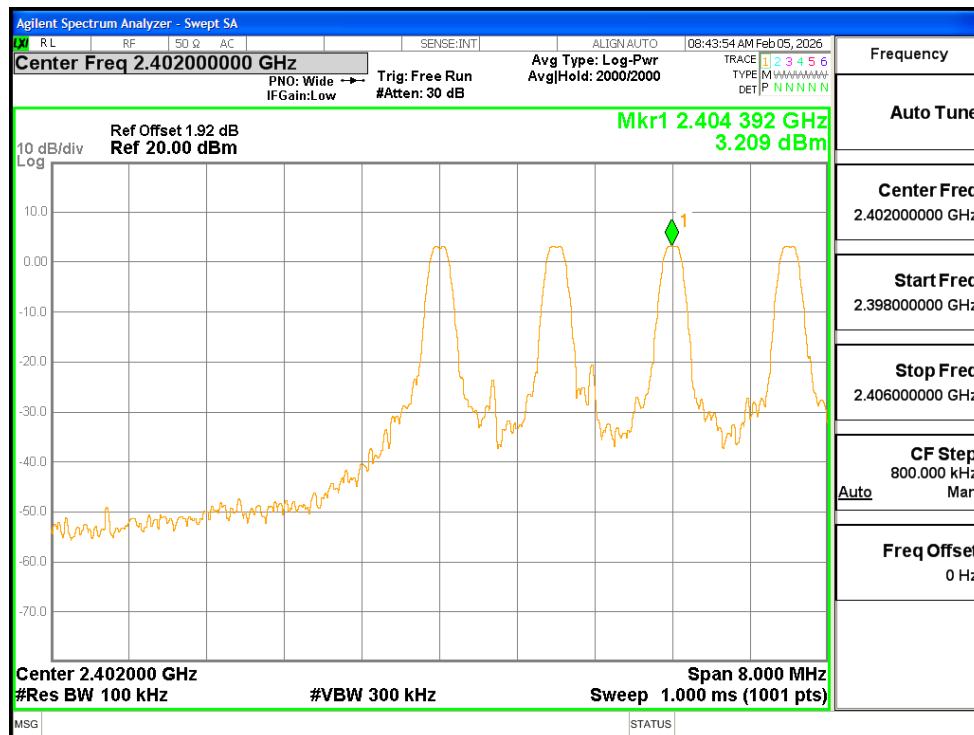


Band Edge(Hopping)

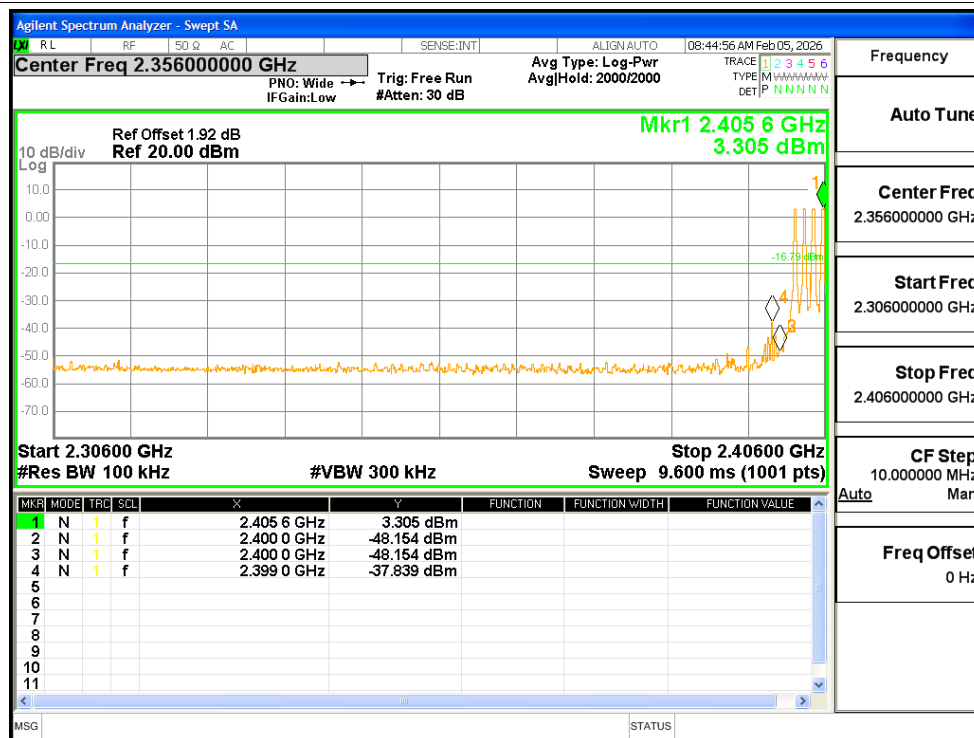
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2402	Ant1	Hopping	-41.04	-20	Pass
		2481.2		Hopping	-48.99	-20	Pass

Test Graphs

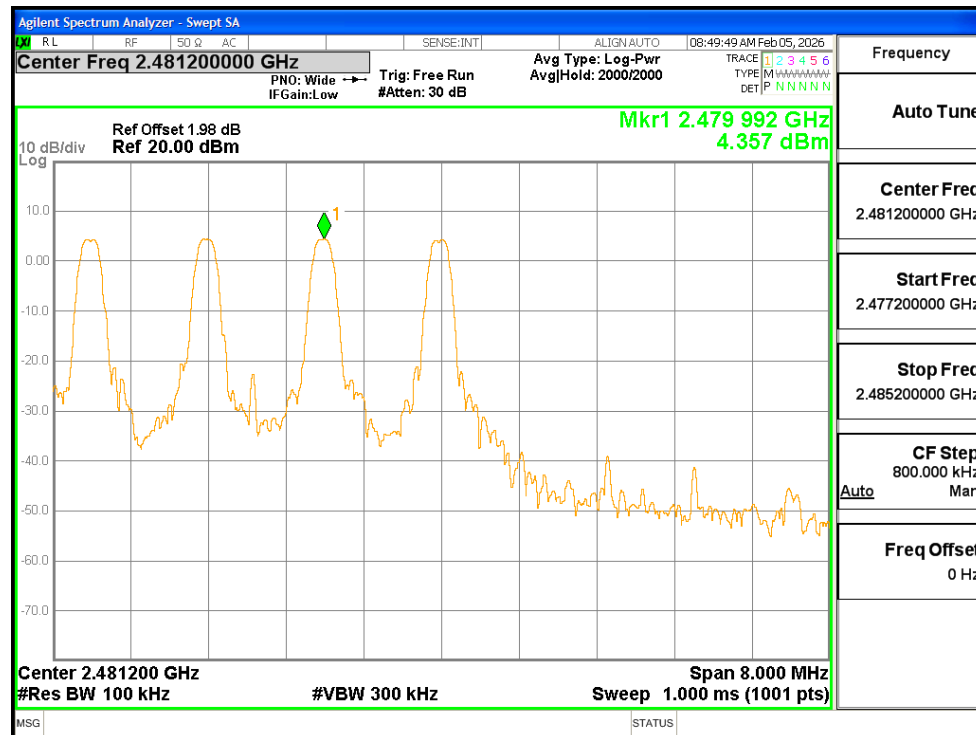
Band Edge(Hopping) NVNT GFSK 2402MHz Ant1 Hopping Ref



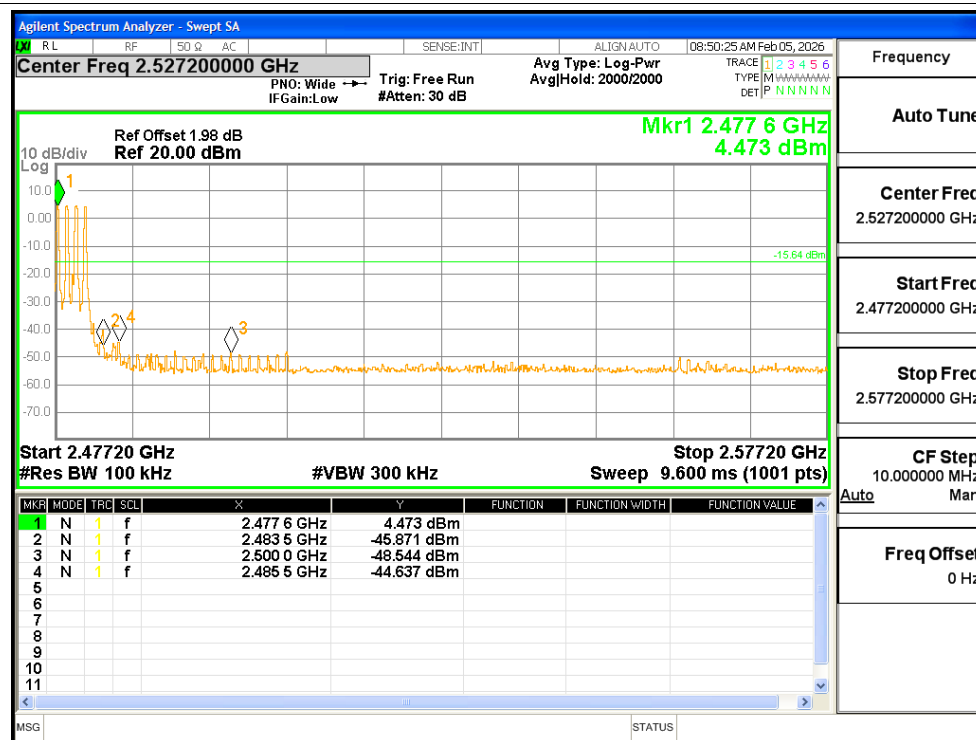
Band Edge(Hopping) NVNT GFSK 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT GFSK 2481.2MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT GFSK 2481.2MHz Ant1 Hopping Emission

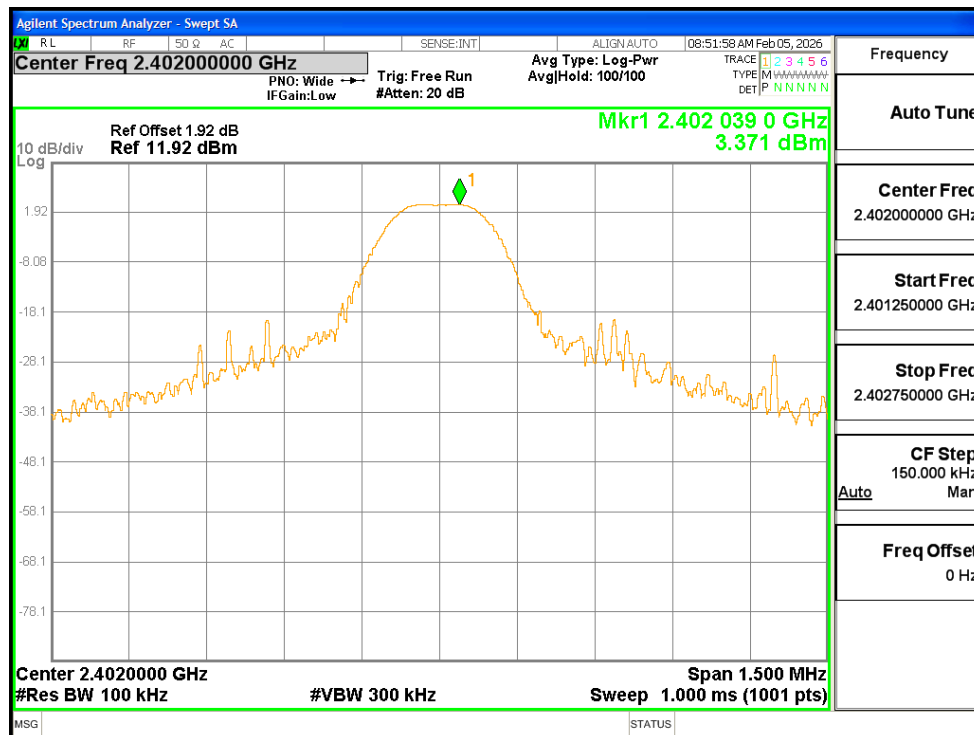


Conducted RF Spurious Emission

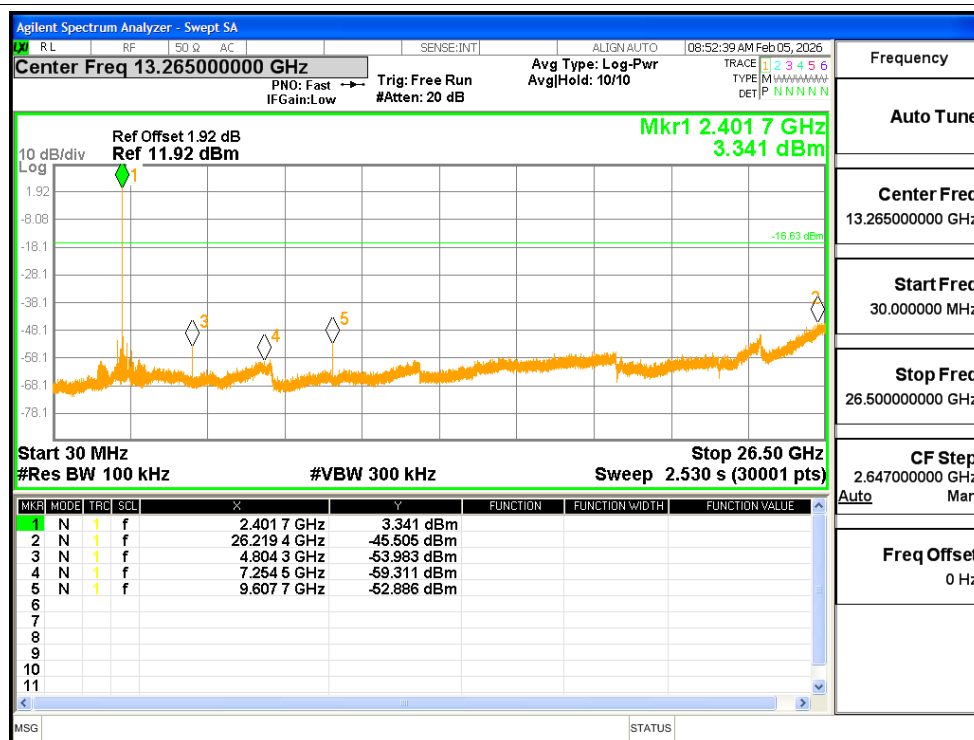
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2402	Ant1	-48.87	-20	Pass
		2441.6		-48.7	-20	Pass
		2481.2		-48.8	-20	Pass

Test Graphs

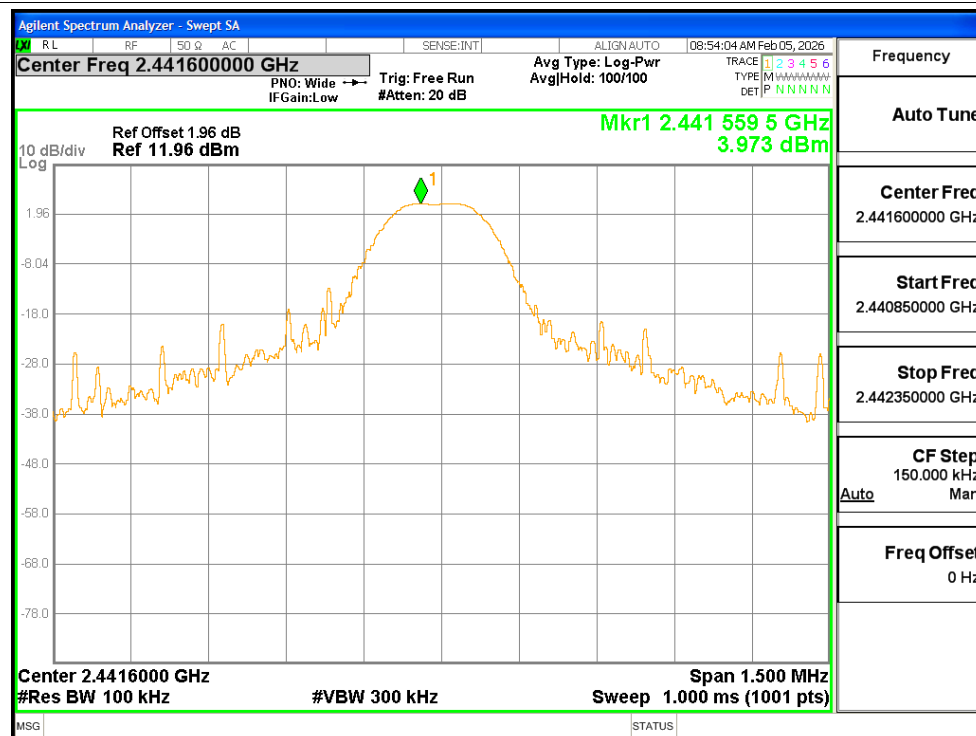
Tx. Spurious NVNT GFSK 2402MHz Ant1 Ref



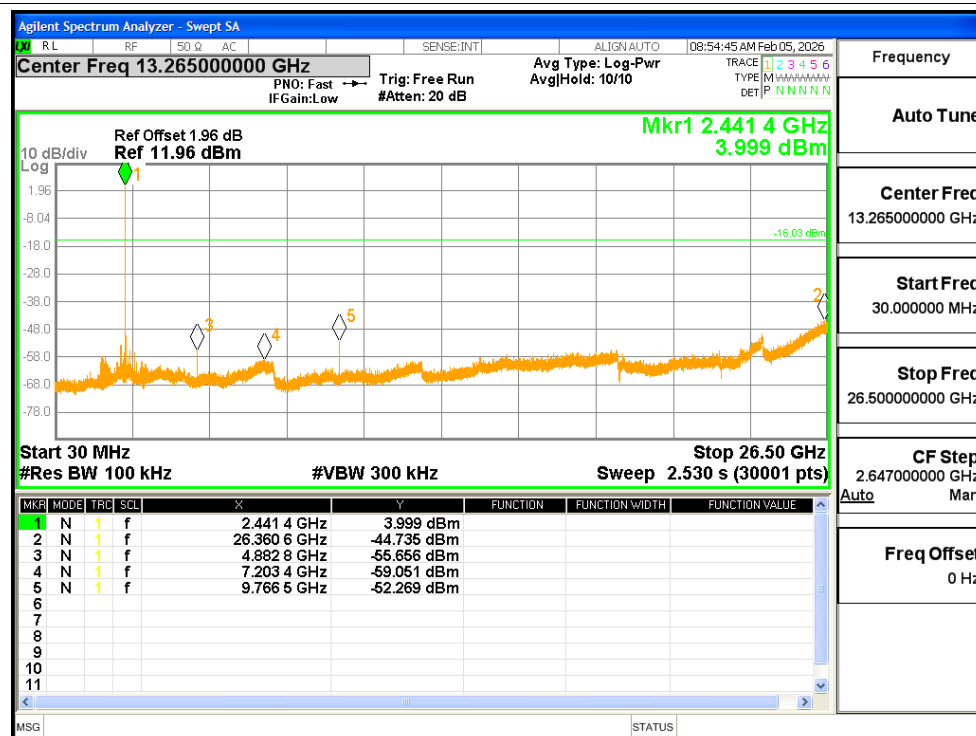
Tx. Spurious NVNT GFSK 2402MHz Ant1 Emission



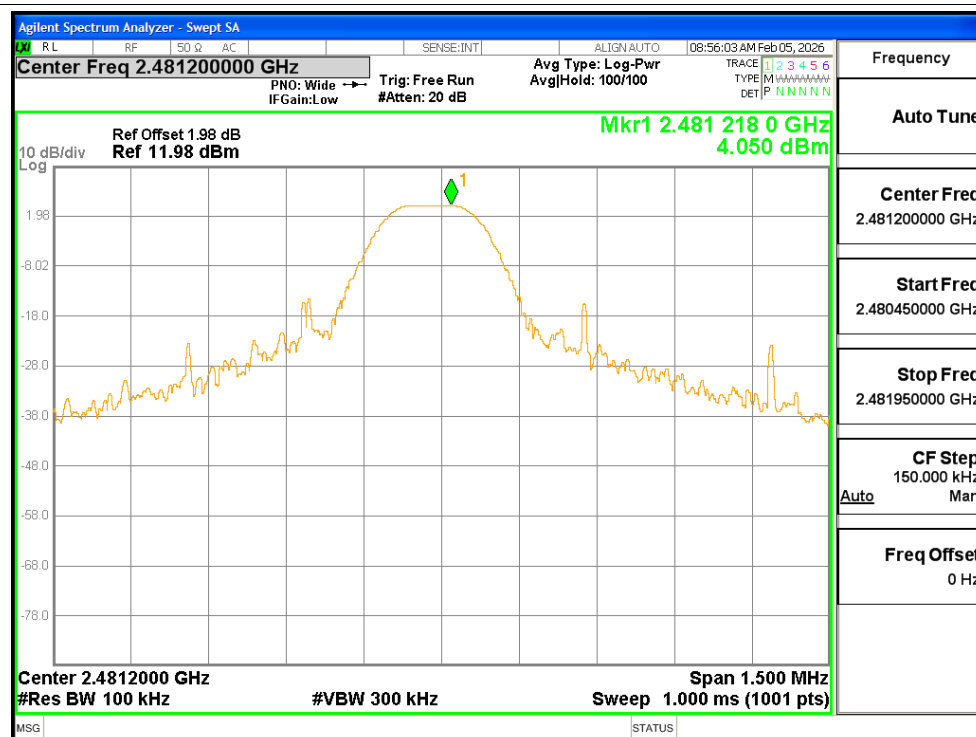
Tx. Spurious NVNT GFSK 2441.6MHz Ant1 Ref



Tx. Spurious NVNT GFSK 2441.6MHz Ant1 Emission



Tx. Spurious NVNT GFSK 2481.2MHz Ant1 Ref



Tx. Spurious NVNT GFSK 2481.2MHz Ant1 Emission

