
FCC ID (Part15.247) Test Data
Report No.: NCT260031044XE1-1
FCC ID: 2ATHV-DRC16P

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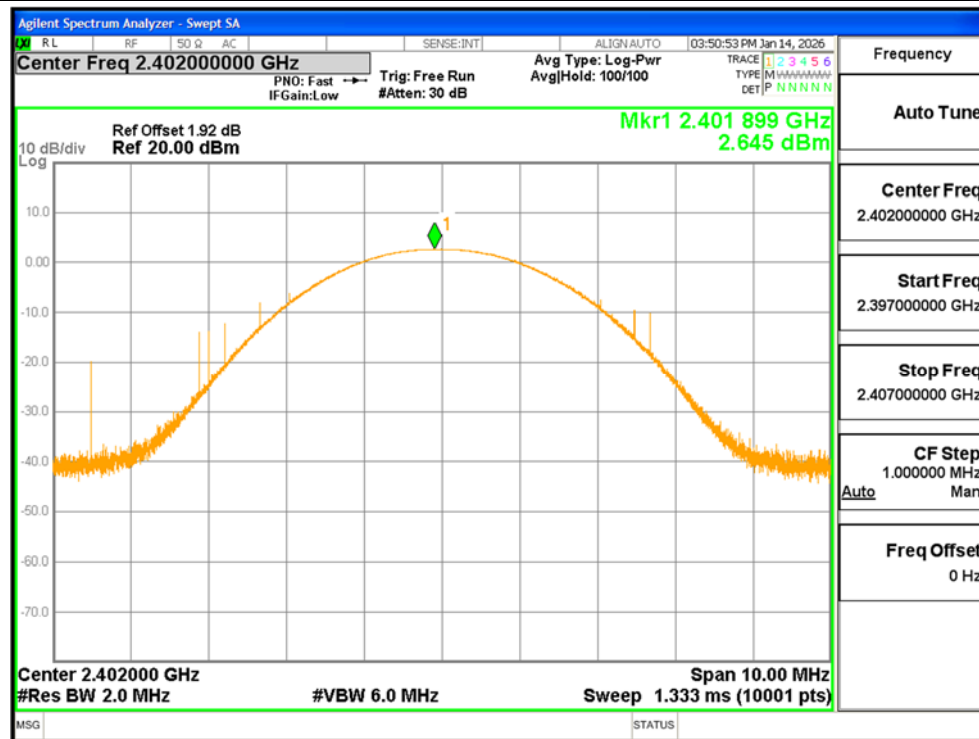
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Maximum Conducted Output Power

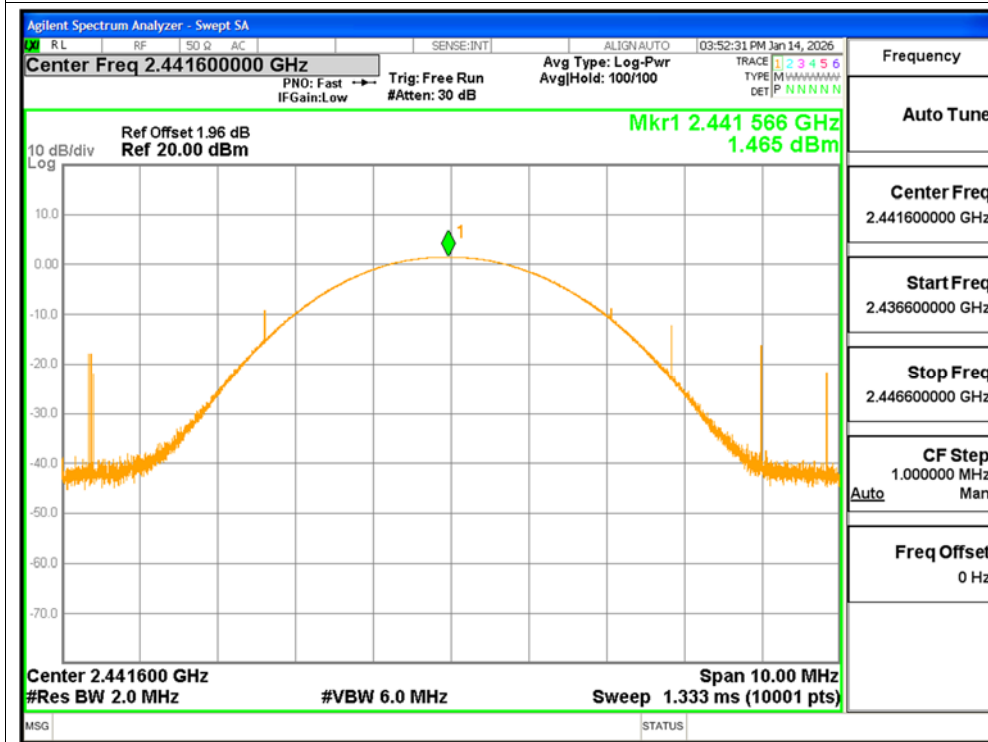
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	GFSK	2402	Ant1	2.65	0	2.65	21	Pass
		2441.6		1.47	0	1.47	21	Pass
		2481.2		1.14	0	1.14	21	Pass

Test Graphs

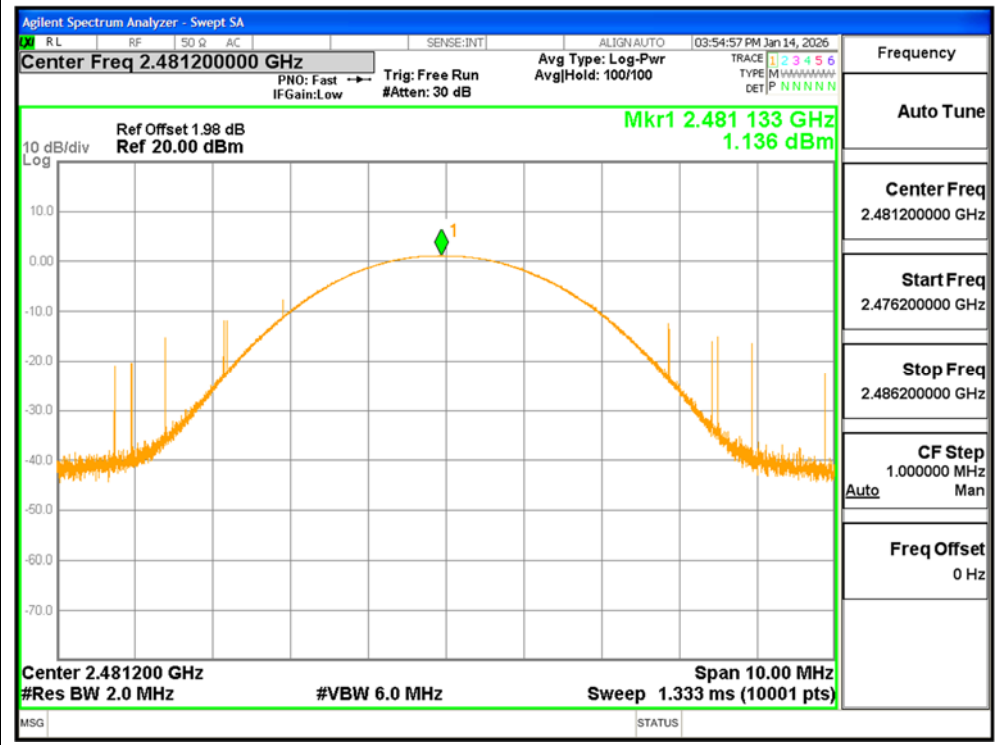
Power NVNT GFSK 2402MHz Ant1



Power NVNT GFSK 2441.6MHz Ant1



Power NVNT GFSK 2481.2MHz Ant1

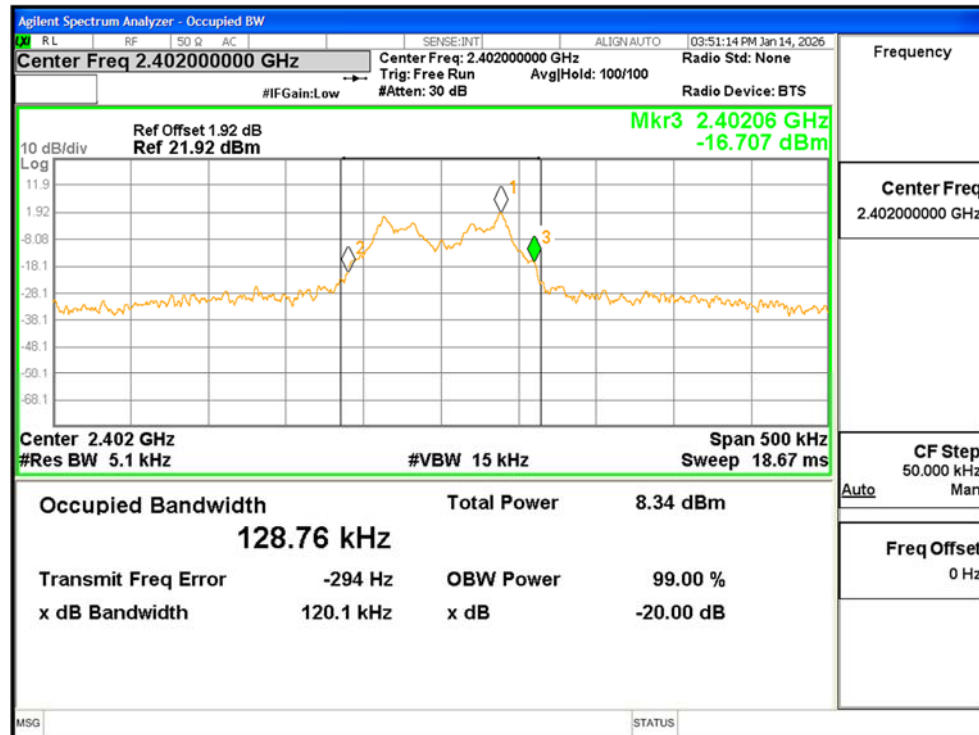


-20dB Bandwidth

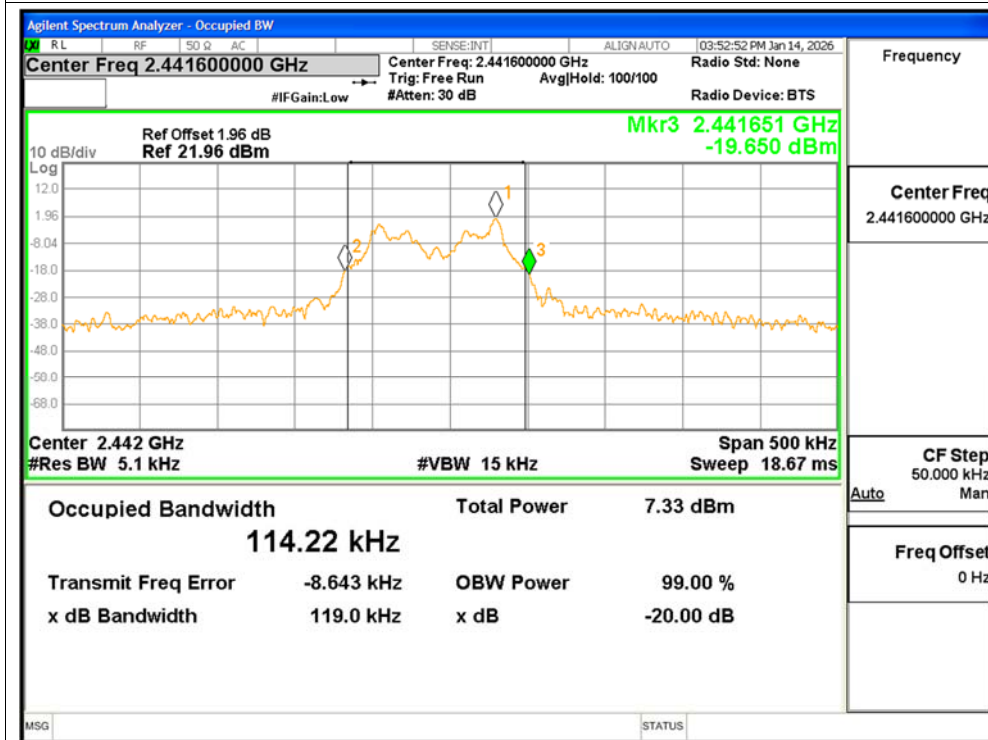
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	GFSK	2402	Ant1	0.120	0	Pass
		2441.6		0.119	0	Pass
		2481.2		0.121	0	Pass

Test Graphs

-20dB Bandwidth NVNT GFSK 2402MHz Ant1



-20dB Bandwidth NVNT GFSK 2441.6MHz Ant1



-20dB Bandwidth NVNT GFSK 2481.2MHz Ant1

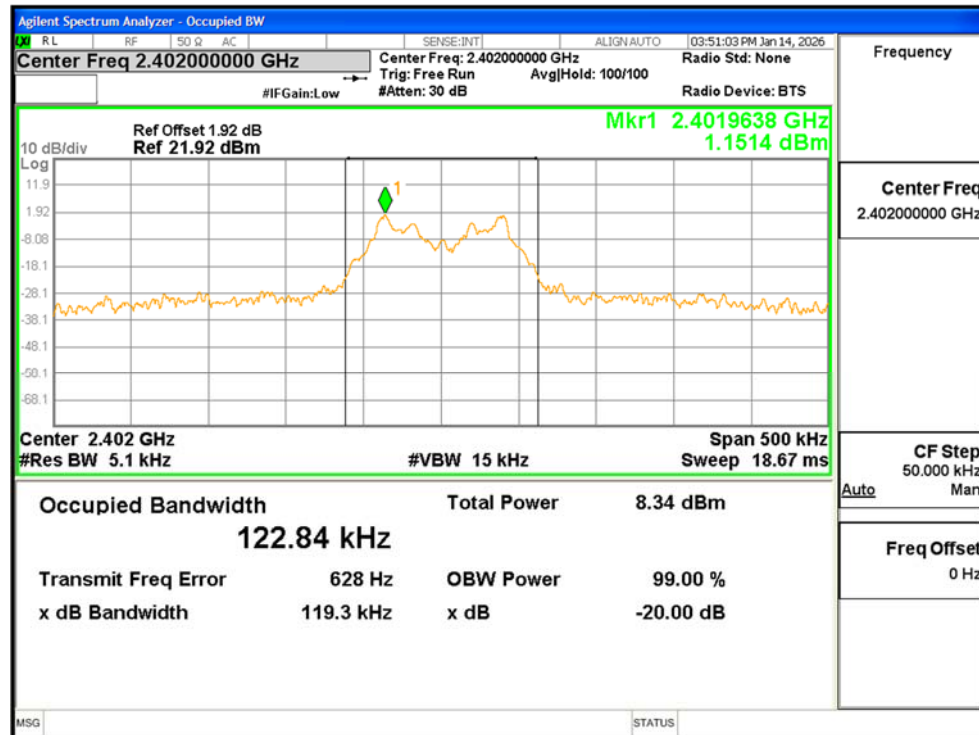


Occupied Channel Bandwidth

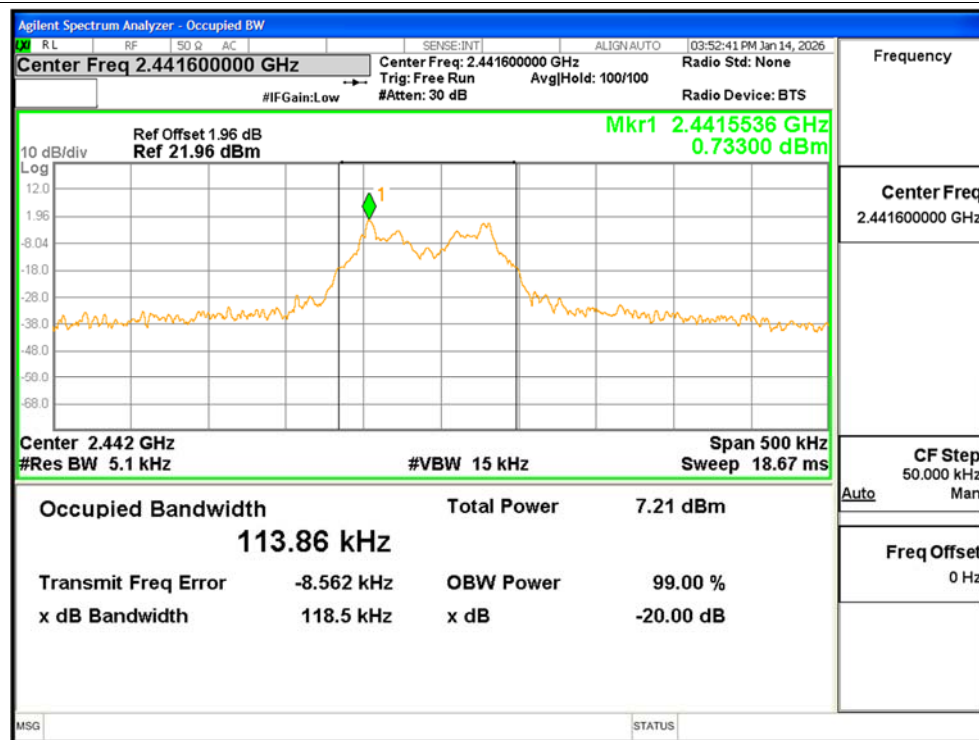
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	GFSK	2402	Ant1	0.123
		2441.6		0.114
		2481.2		0.117

Test Graphs

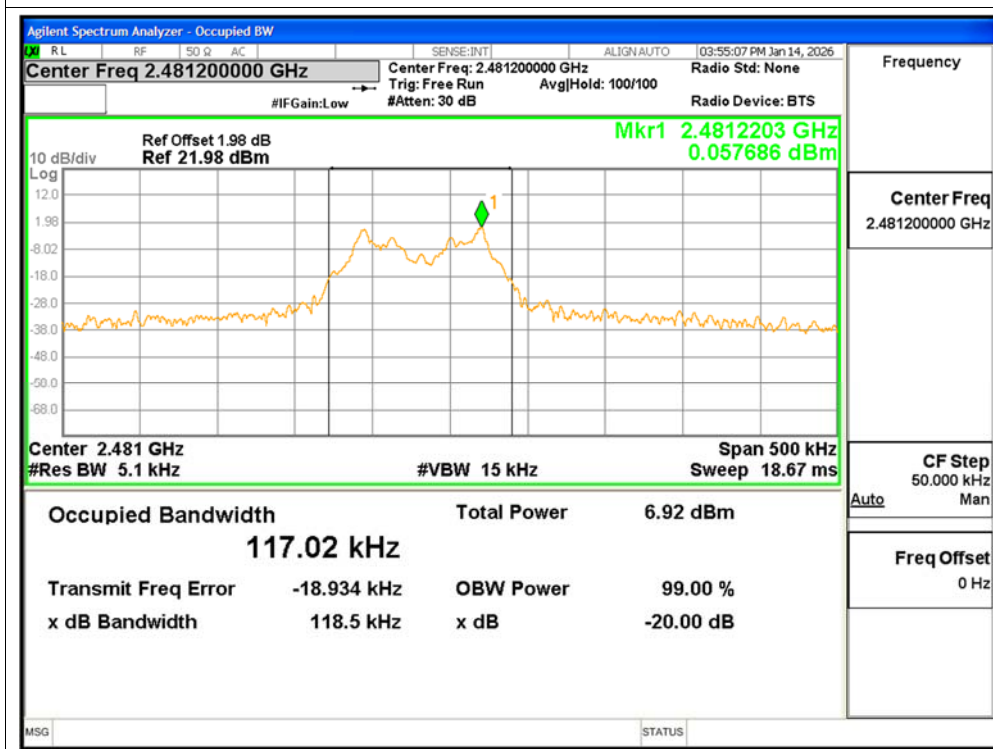
OBW NVNT GFSK 2402MHz Ant1



OBW NVNT GFSK 2441.6MHz Ant1



OBW NVNT GFSK 2481.2MHz Ant1

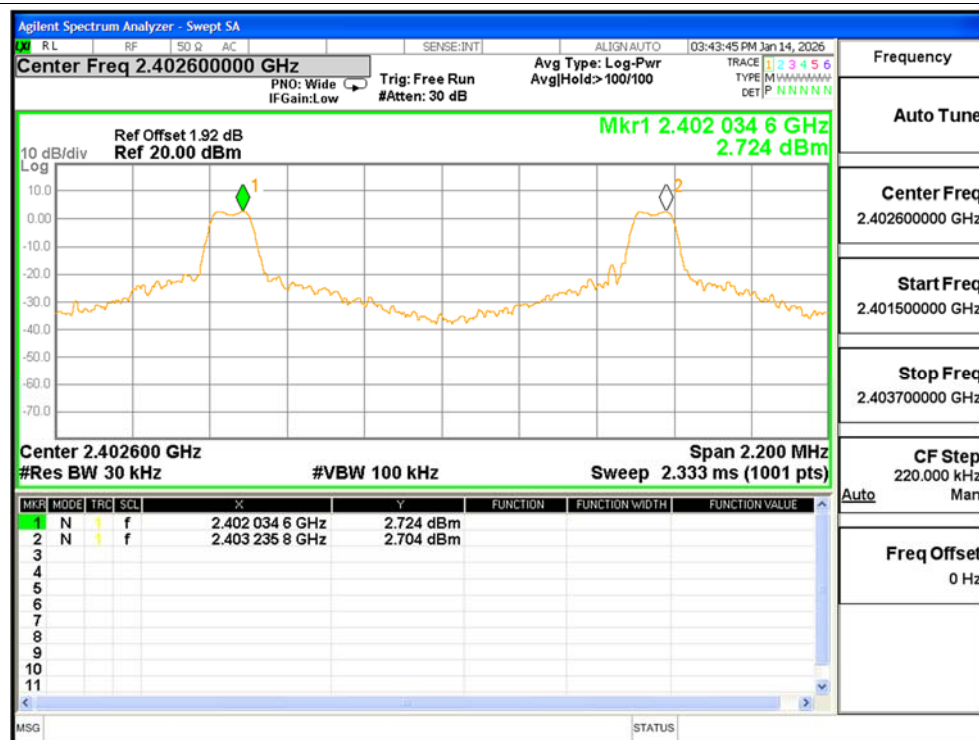


Carrier Frequencies Separation

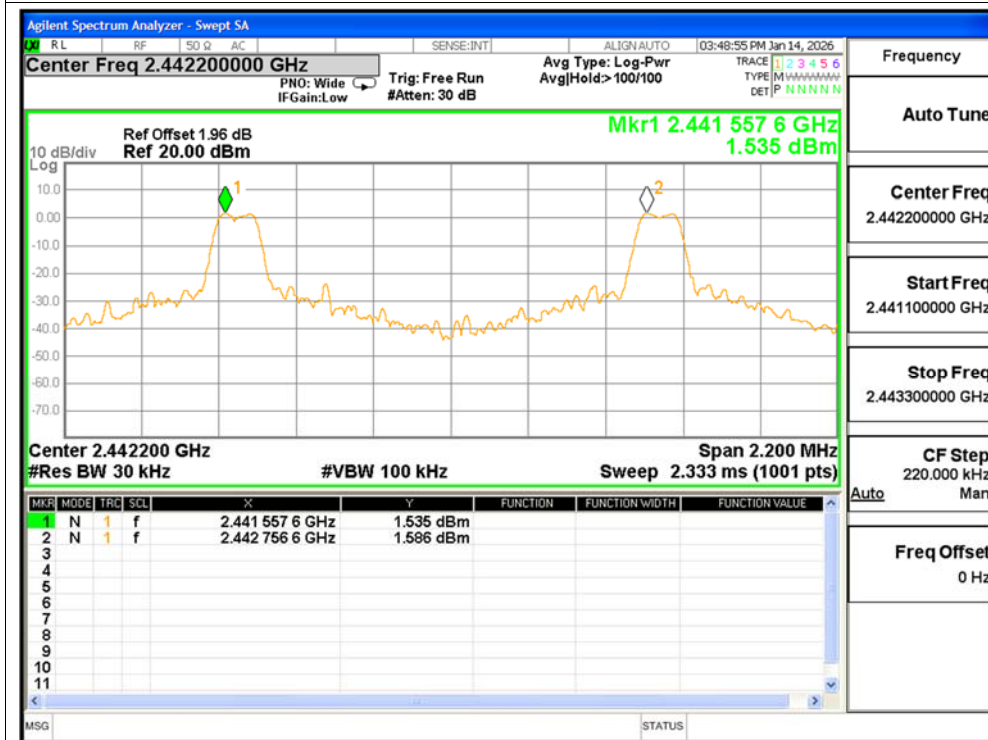
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	GFSK	Ant1	2402.0346	2403.2358	1.2012	0.080	Pass
			2441.5576	2442.7566	1.199	0.079	Pass
			2480.017	2481.2182	1.2012	0.081	Pass

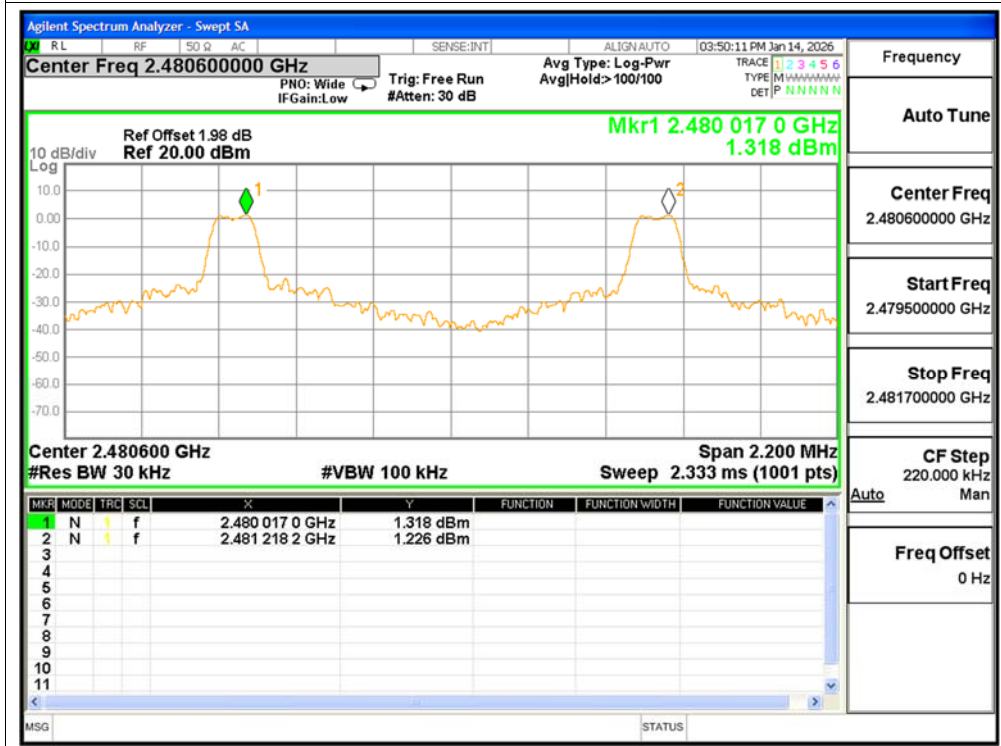
Test Graphs

CFS NVNT GFSK 2402MHz Ant1



CFS NVNT GFSK 2441.6MHz Ant1





Number of Hopping Channel

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

Test Graphs

Hopping No. NVNT GFSK Ant1

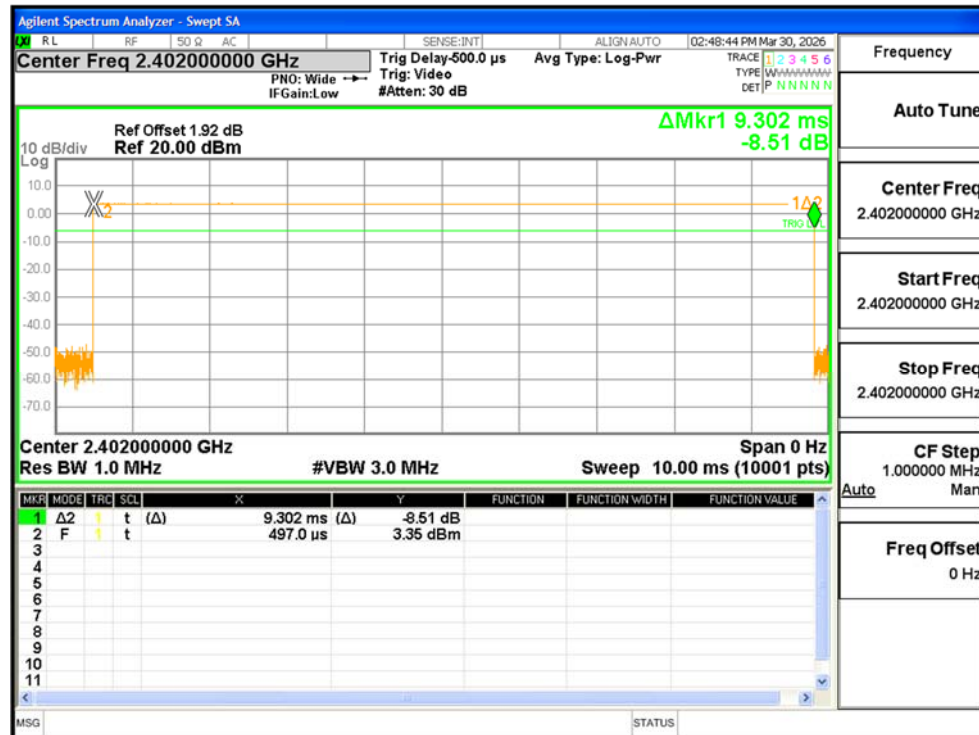


Dwell Time

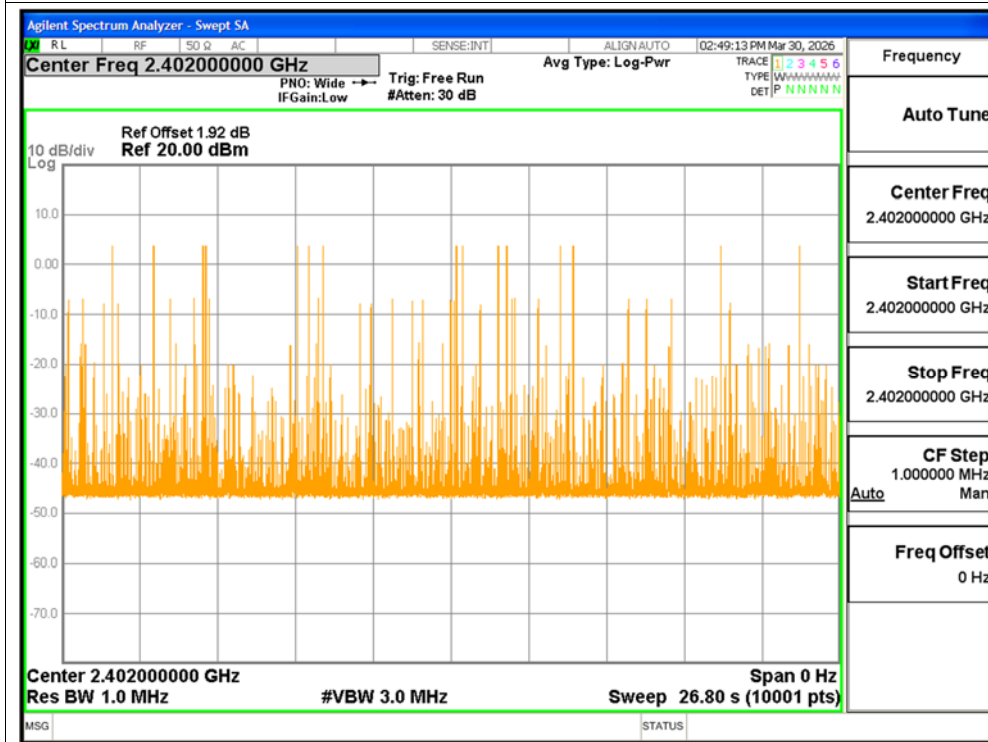
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	GFSK	2402	Ant1	9.302	139.53	15	26800	400	Pass
		2441.6		9.301	186.02	20	26800	400	Pass
		2481.2		9.302	176.738	19	26800	400	Pass

Test Graphs

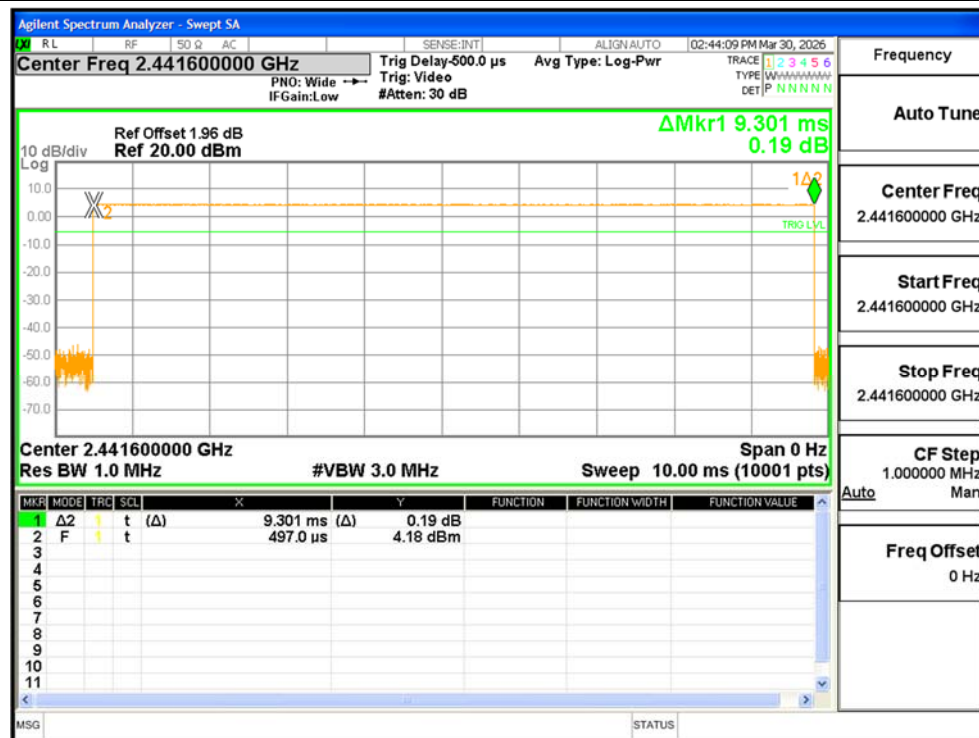
Dwell NVNT GFSK 2402MHz Ant1 One Burst



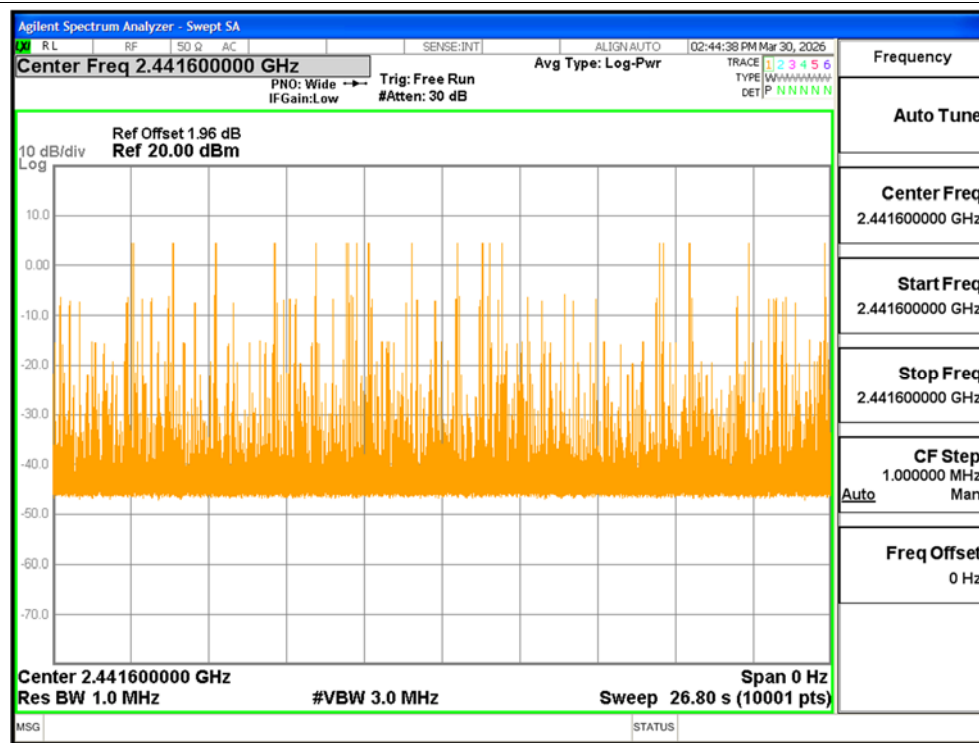
Dwell NVNT GFSK 2402MHz Ant1 Accumulated



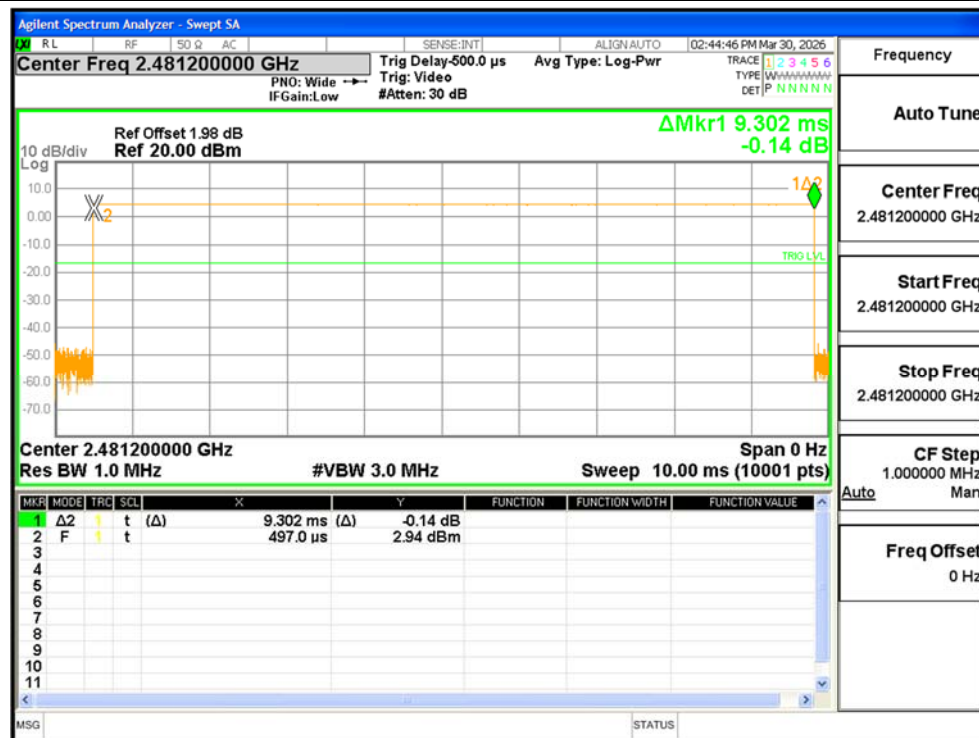
Dwell NVNT GFSK 2441.6MHz Ant1 One Burst



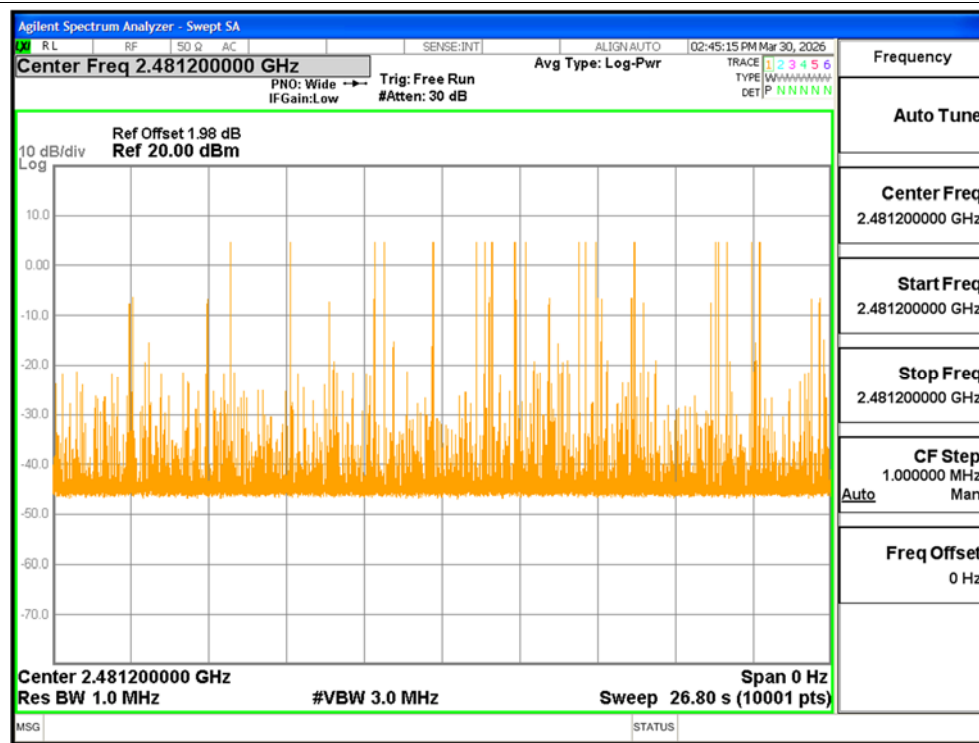
Dwell NVNT GFSK 2441.6MHz Ant1 Accumulated



Dwell NVNT GFSK 2481.2MHz Ant1 One Burst



Dwell NVNT GFSK 2481.2MHz Ant1 Accumulated

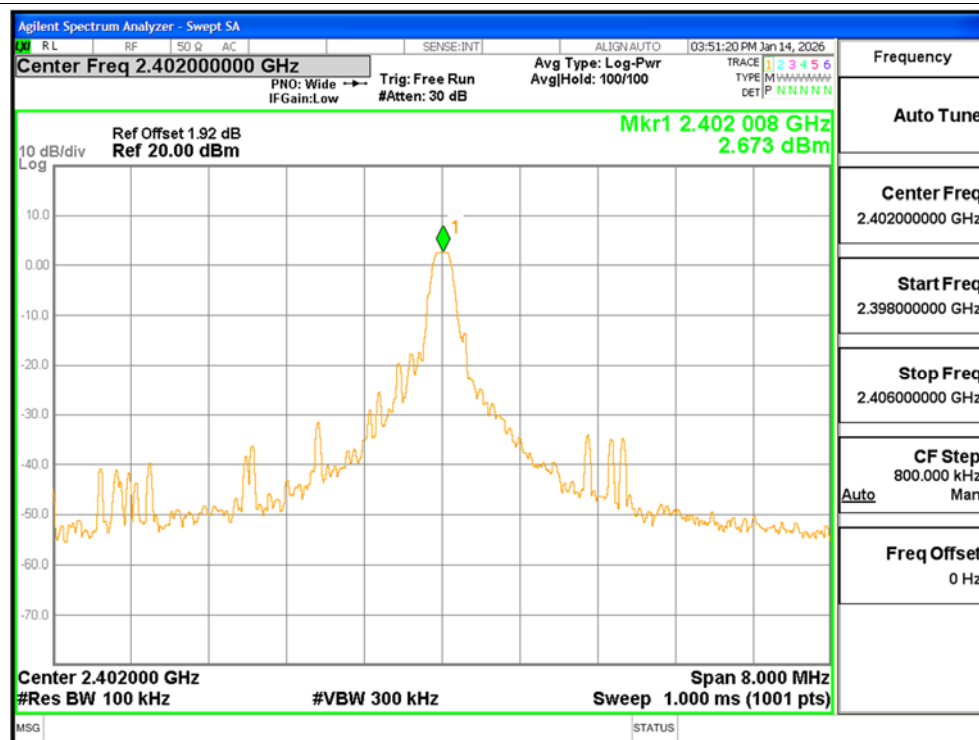


Band Edge

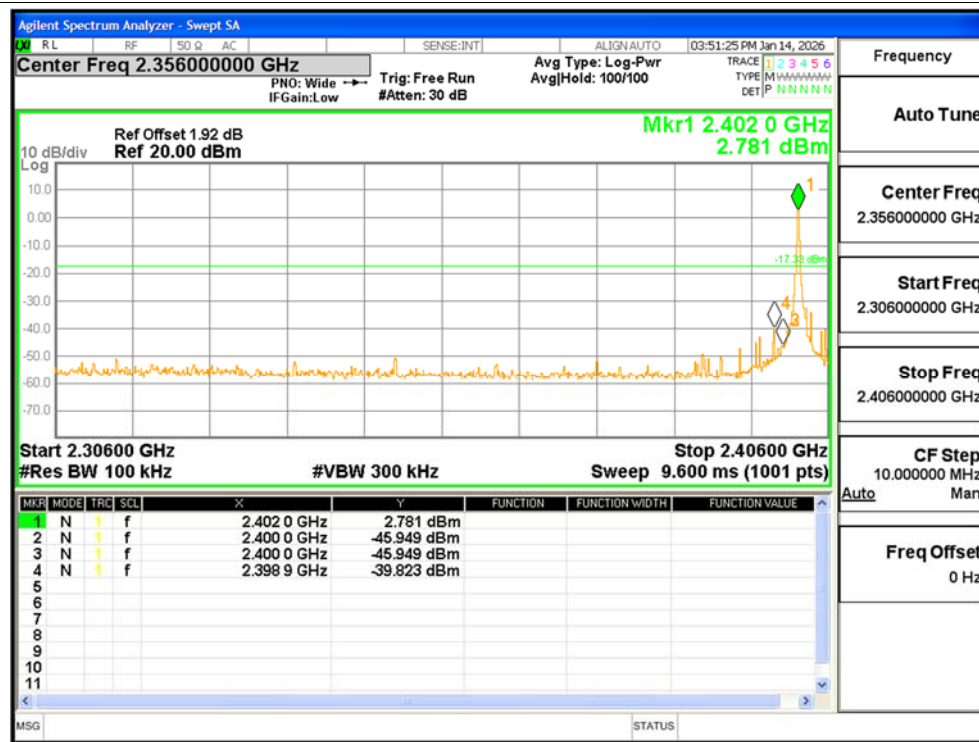
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2402	Ant1	No-Hopping	-42.49	-20	Pass
		2481.2		No-Hopping	-49.97	-20	Pass

Test Graphs

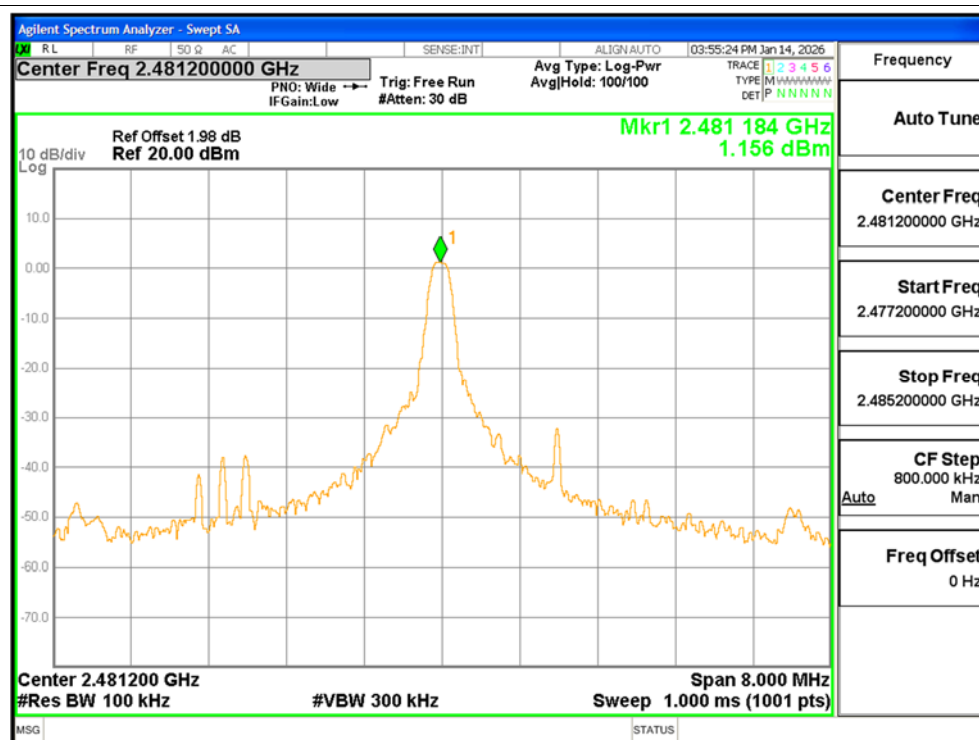
Band Edge NVNT GFSK 2402MHz Ant1 No-Hopping Ref



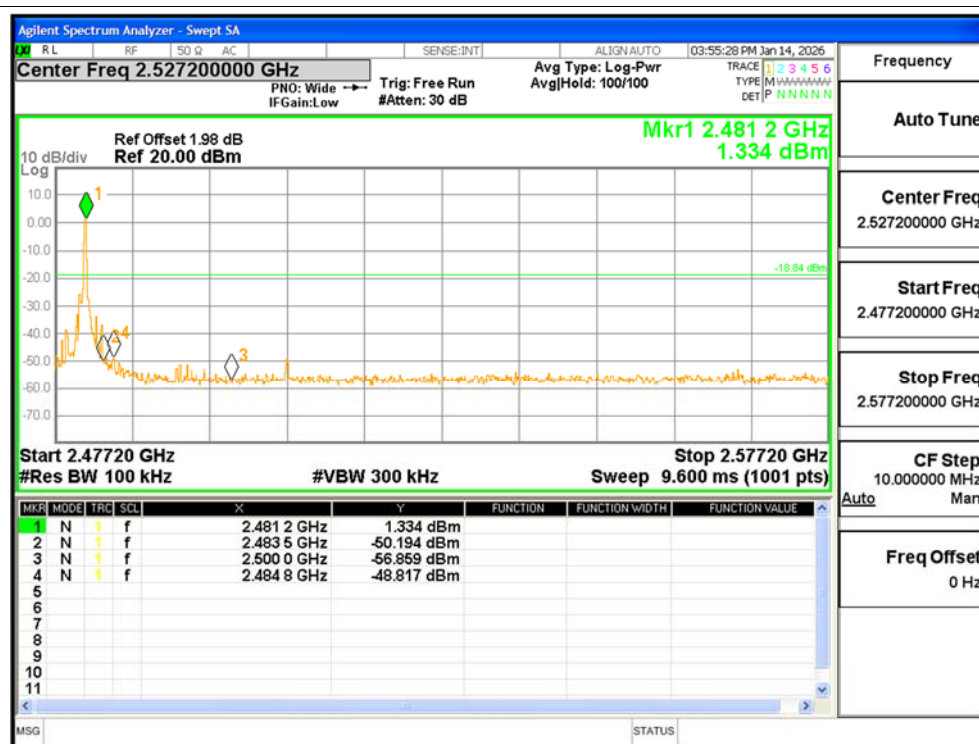
Band Edge NVNT GFSK 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT GFSK 2481.2MHz Ant1 No-Hopping Ref



Band Edge NVNT GFSK 2481.2MHz Ant1 No-Hopping Emission

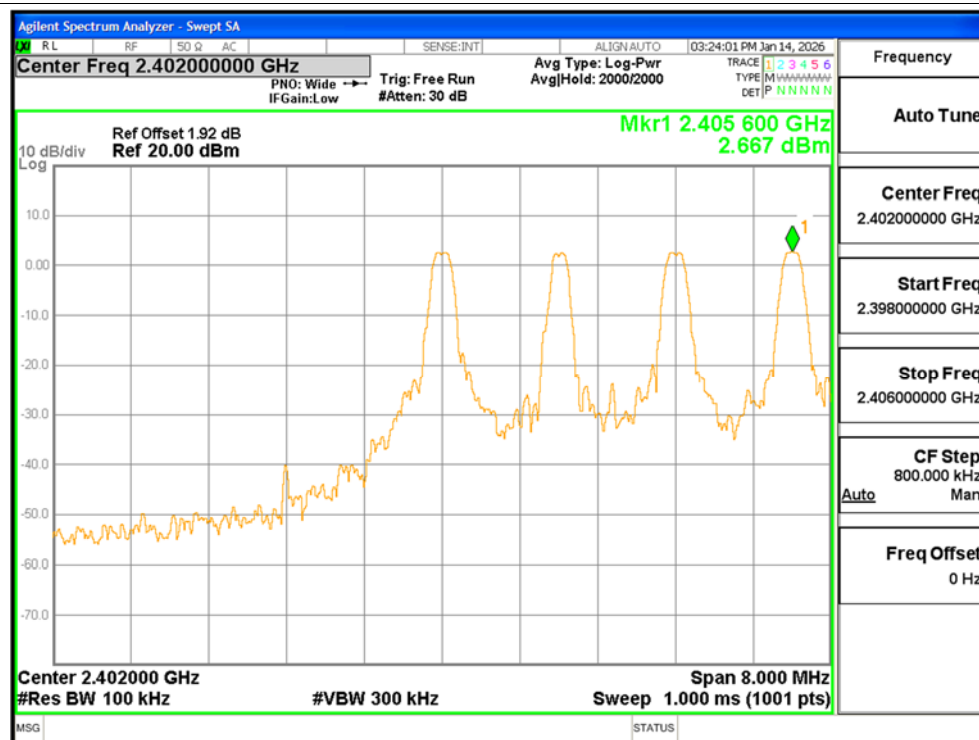


Band Edge(Hopping)

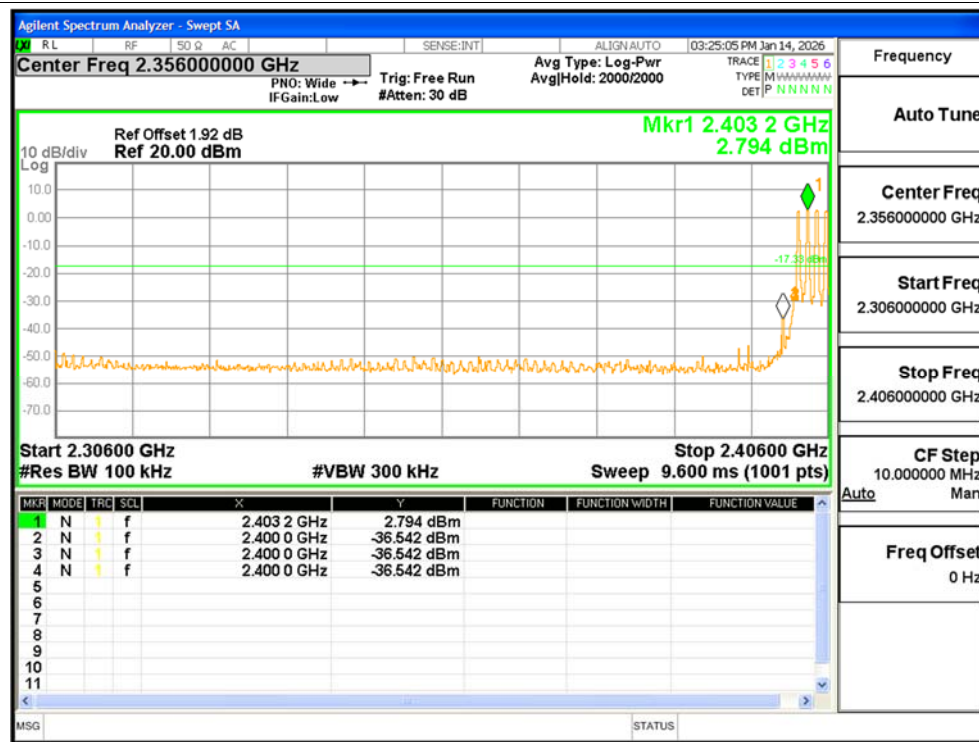
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2402	Ant1	Hopping	-39.21	-20	Pass
		2481.2		Hopping	-43.43	-20	Pass

Test Graphs

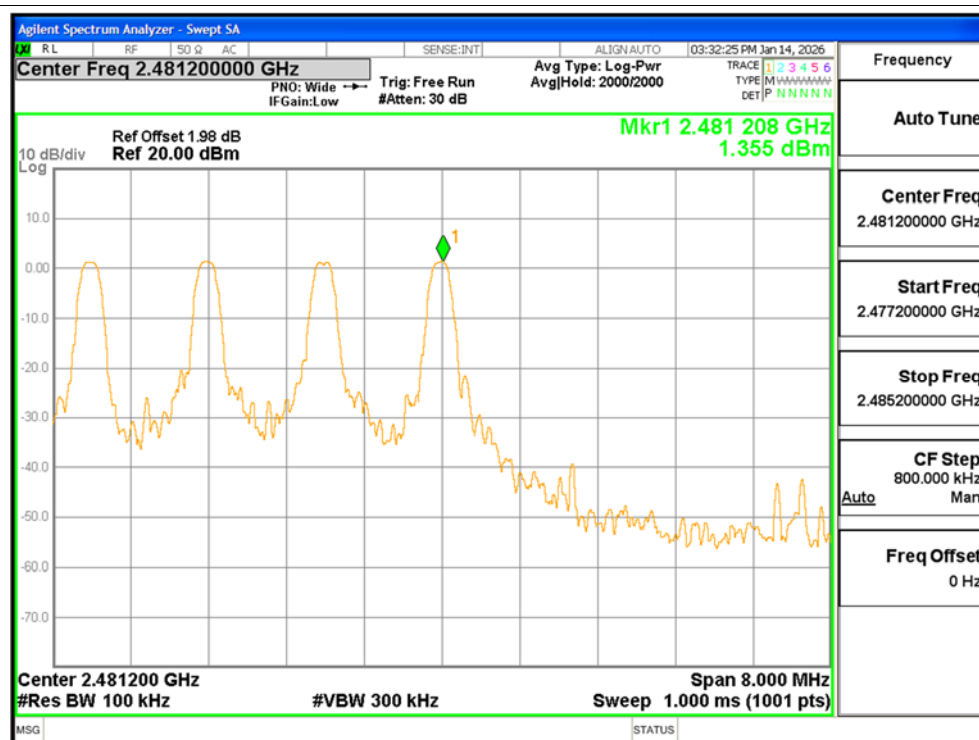
Band Edge(Hopping) NVNT GFSK 2402MHz Ant1 Hopping Ref



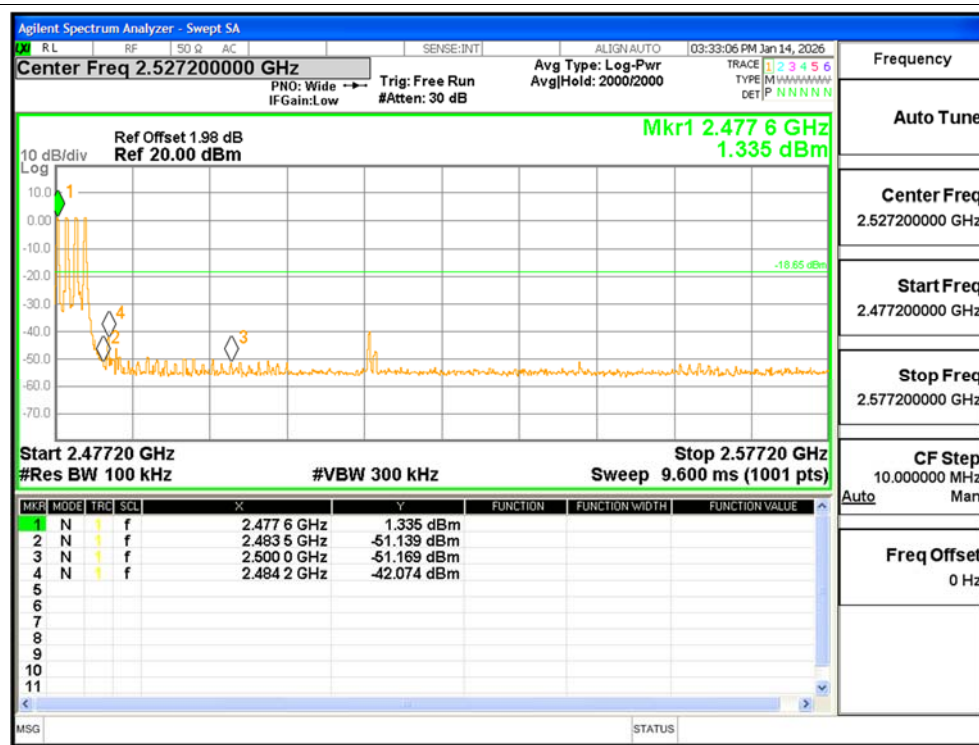
Band Edge(Hopping) NVNT GFSK 2402MHz Ant1 Hopping Emission



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



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

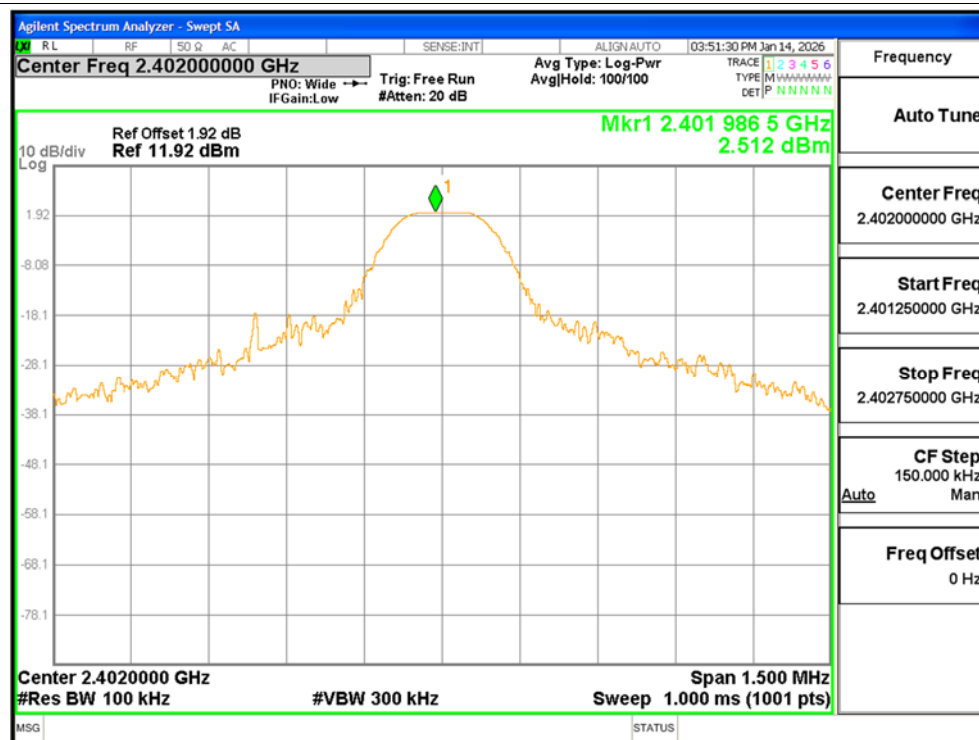


Conducted RF Spurious Emission

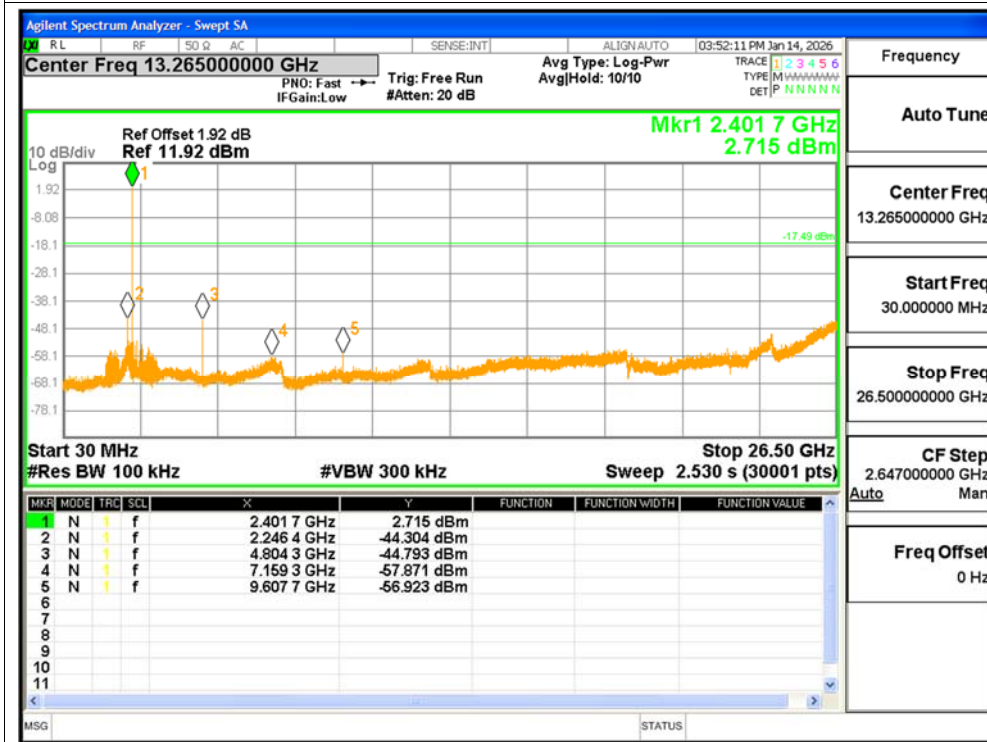
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2402	Ant1	-46.81	-20	Pass
		2441.6		-46.12	-20	Pass
		2481.2		-45.3	-20	Pass

Test Graphs

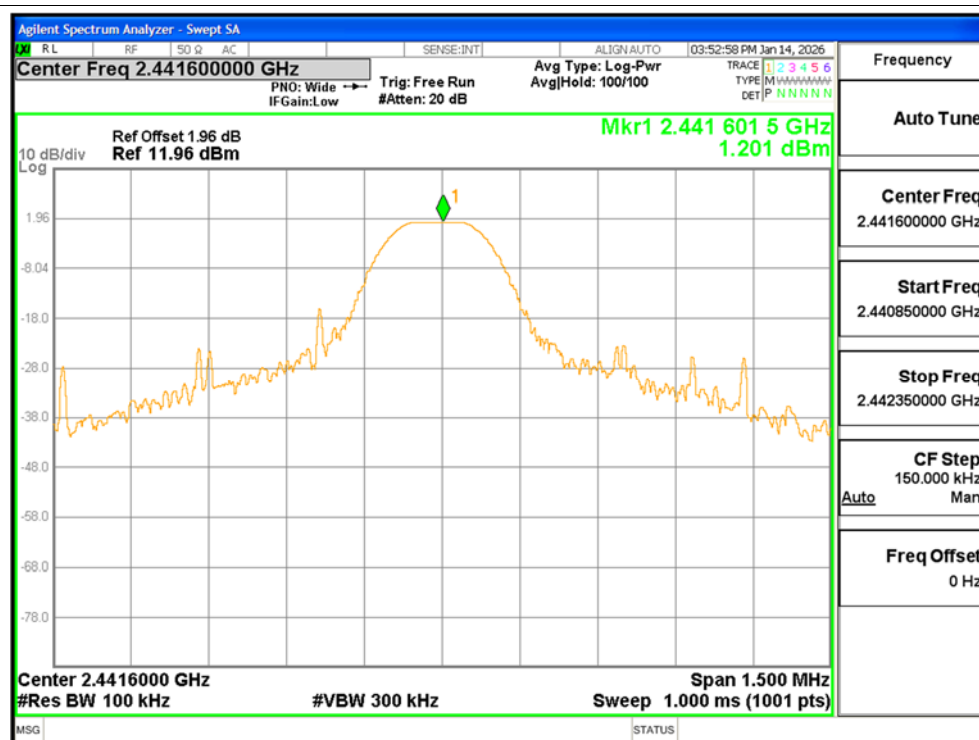
Tx. Spurious NVNT GFSK 2402MHz Ant1 Ref



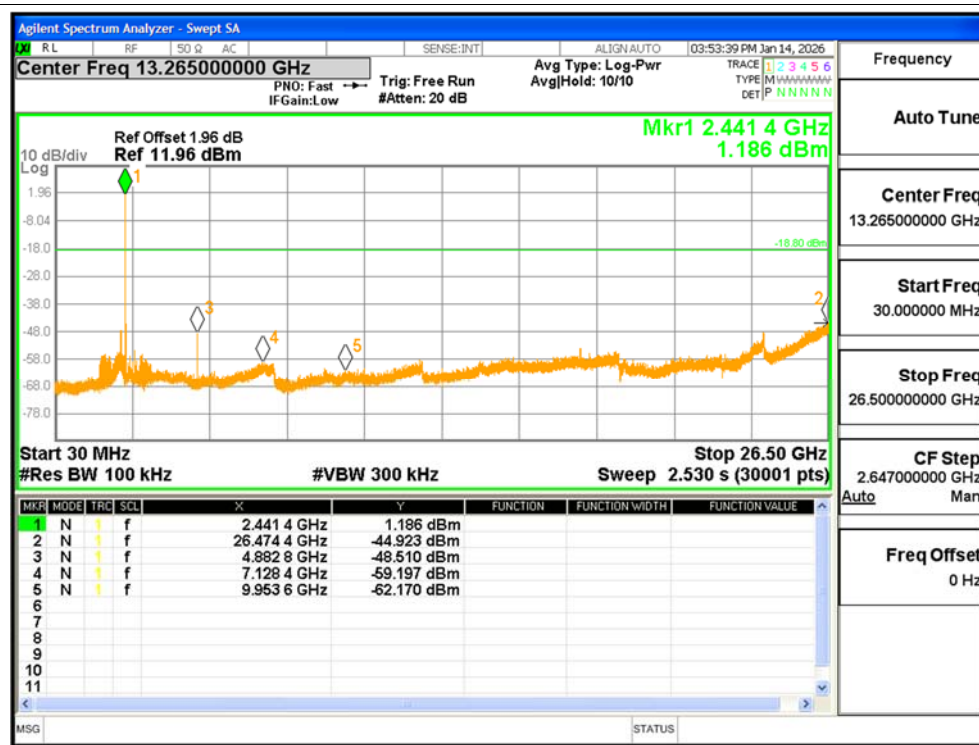
Tx. Spurious NVNT GFSK 2402MHz Ant1 Emission



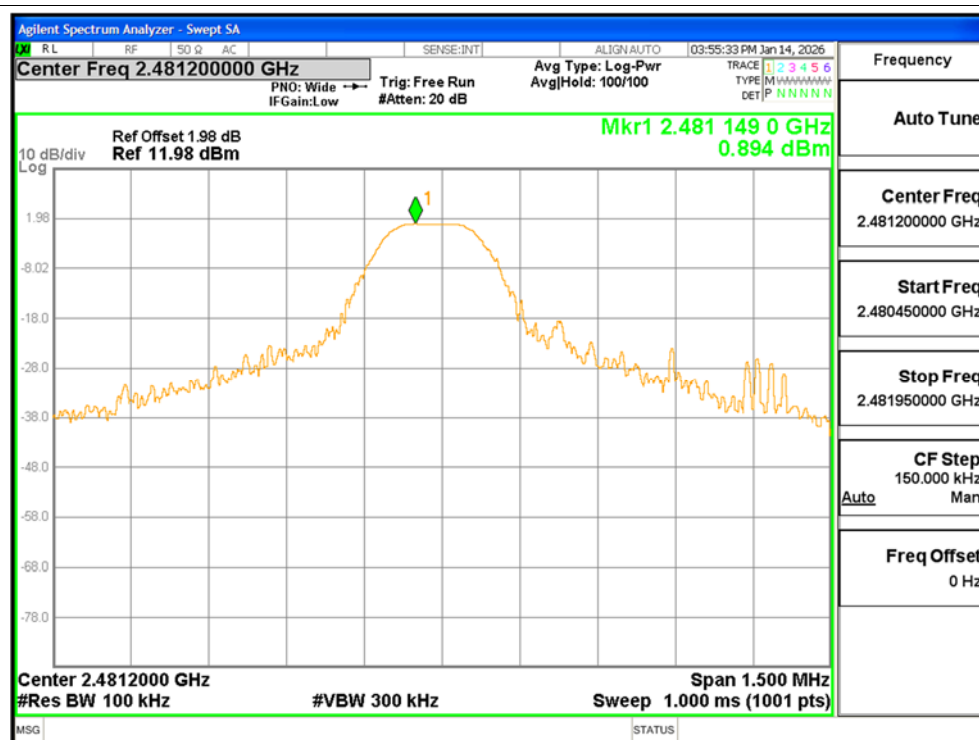
Tx. Spurious NVNT GFSK 2441.6MHz Ant1 Ref



Tx. Spurious NVNT GFSK 2441.6MHz Ant1 Emission



Tx. Spurious NVNT GFSK 2481.2MHz Ant1 Ref



Tx. Spurious NVNT GFSK 2481.2MHz Ant1 Emission

