

GTSL2025020052F02

Appendix

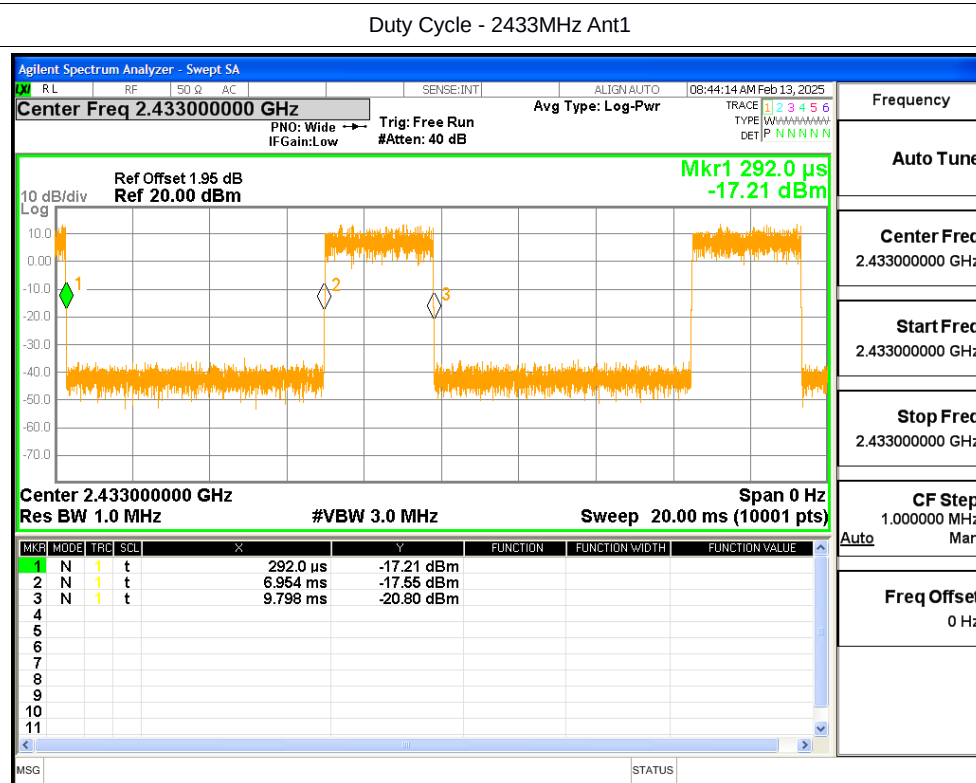
Duty Cycle.....	2
Maximum Conducted Output Power	6
-6dB Bandwidth	7
Occupied Channel Bandwidth	11
Maximum Power Spectral Density Level.....	15
Band Edge	19
Conducted RF Spurious Emission	24

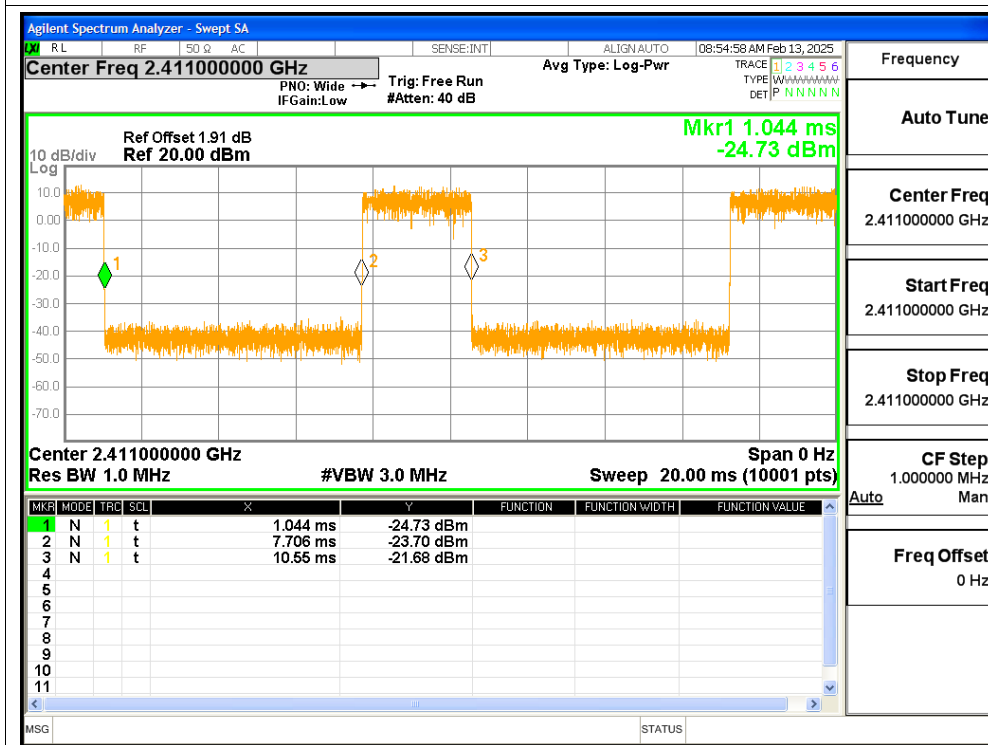
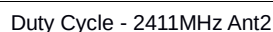
GTSL2025020052F02

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2411	Ant1	29.92	5.24	0.35
		2433		29.92	5.24	0.35
		2466		29.92	5.24	0.35
		2411	Ant2	29.9	5.24	0.35
		2433		29.9	5.24	0.35
		2466		29.92	5.24	0.35

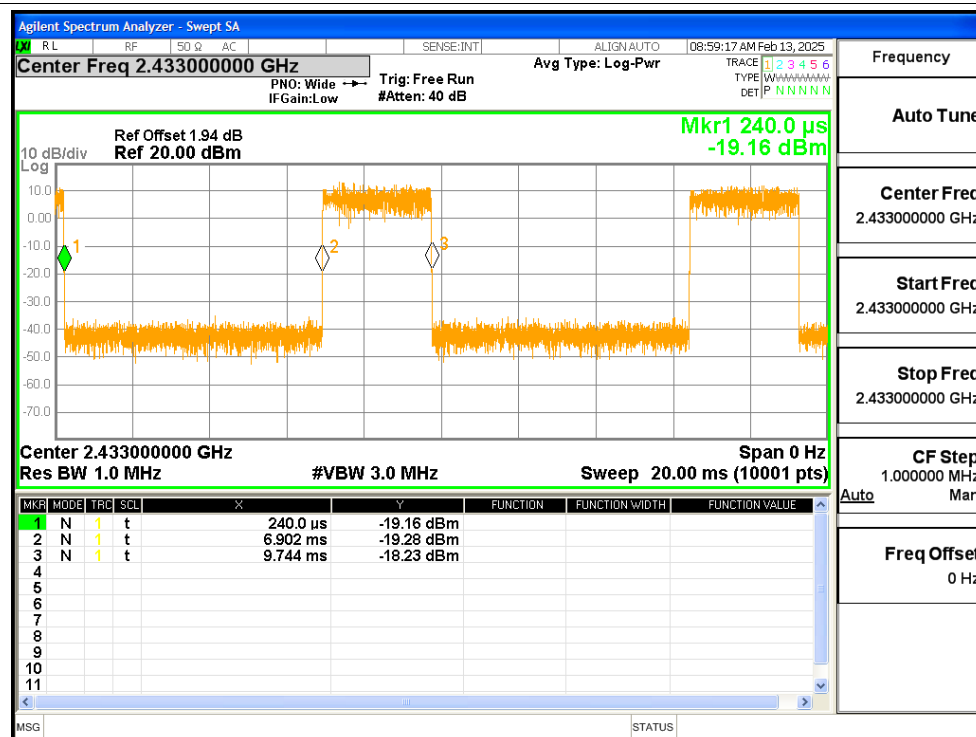
Duty Cycle - 2411MHz Ant1



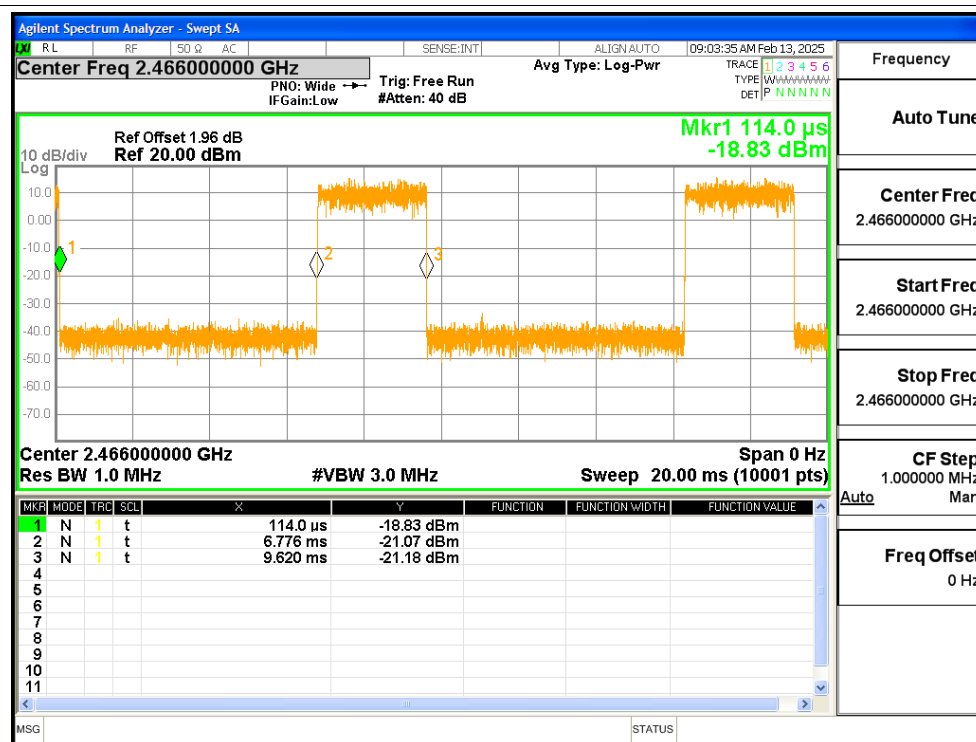


GTSL2025020052F02

Duty Cycle - 2433MHz Ant2



Duty Cycle - 2466MHz Ant2



GTSL2025020052F02

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2411	Ant1	15.87	30	Pass
		2433	Ant1	13.89	30	Pass
		2466	Ant1	14.03	30	Pass
		2411	Ant2	13.1	30	Pass
		2433	Ant2	13.48	30	Pass
		2466	Ant2	15.63	30	Pass
		2411	MIMO	18.00	30	Pass
		2433	MIMO	16.60	30	Pass
		2466	MIMO	17.70	30	Pass

GTSL2025020052F02

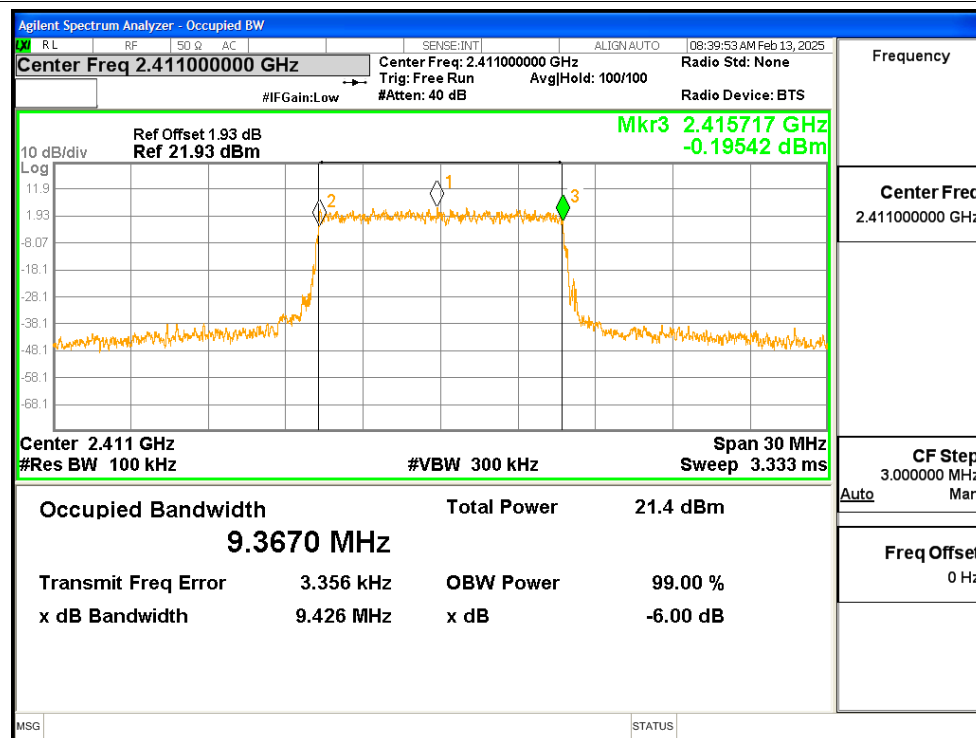
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2411	Ant1	9.426	0.5	Pass
		2433		9.399	0.5	Pass
		2466		9.375	0.5	Pass
		2411	Ant2	9.42	0.5	Pass
		2433		9.49	0.5	Pass
		2466		9.463	0.5	Pass

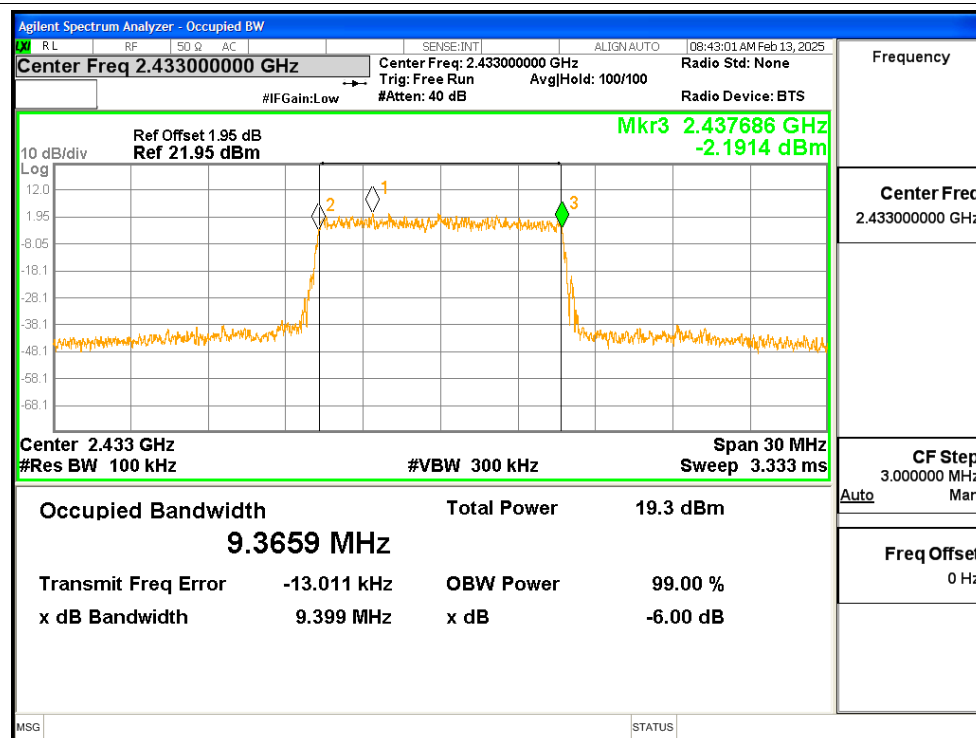
GTSL2025020052F02

Test Graphs

-6dB Bandwidth - 2411MHz Ant1

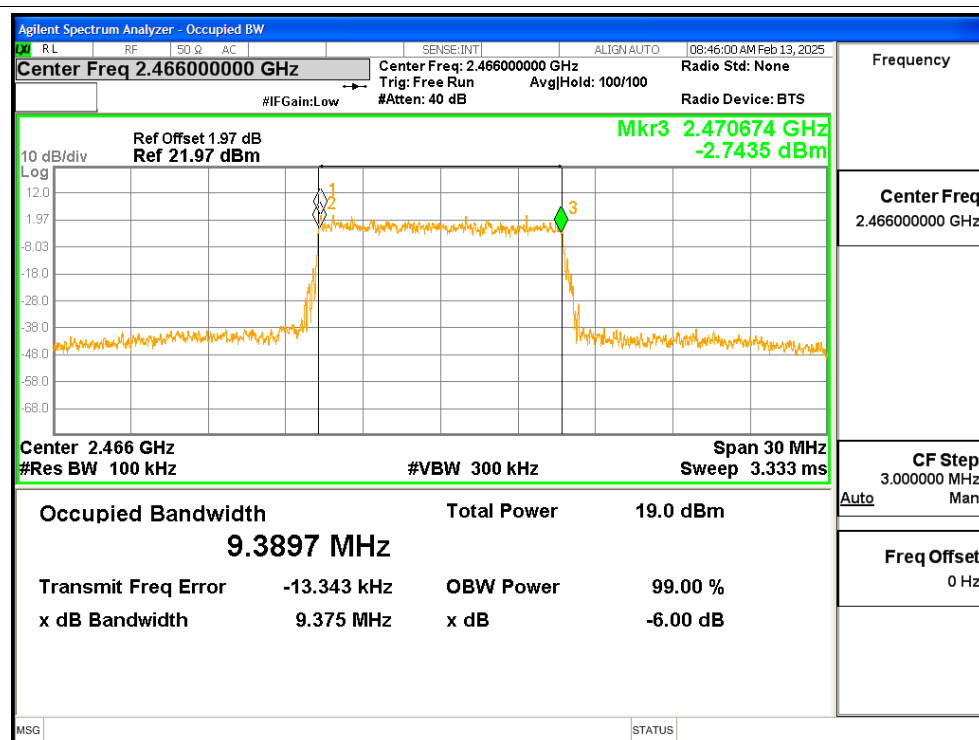


-6dB Bandwidth - 2433MHz Ant1

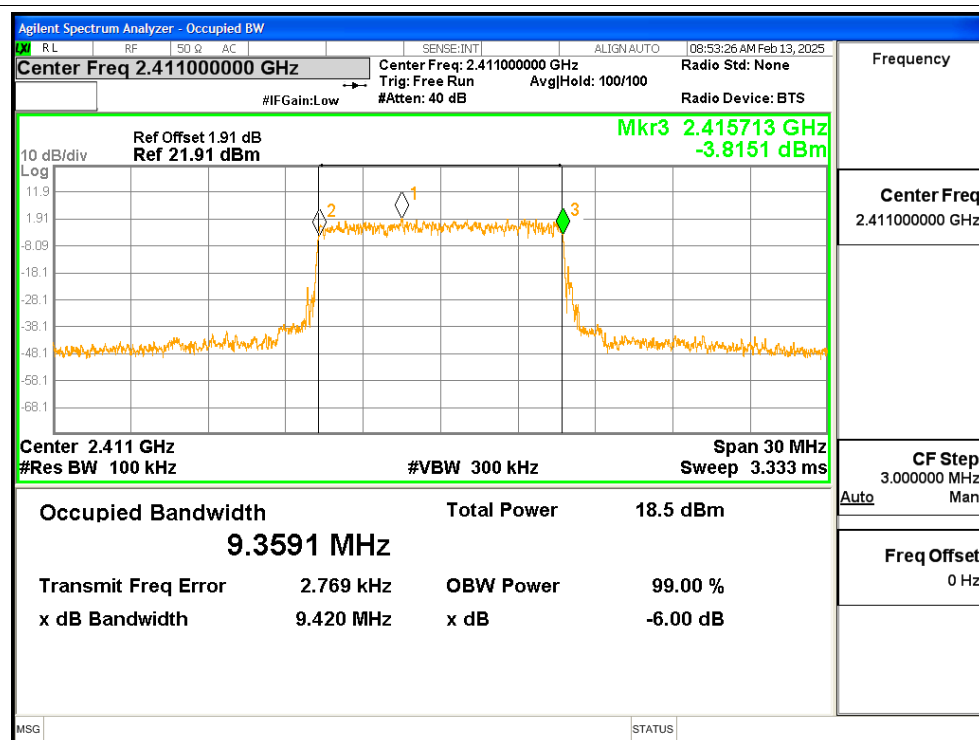


GTSL2025020052F02

-6dB Bandwidth - 2466MHz Ant1

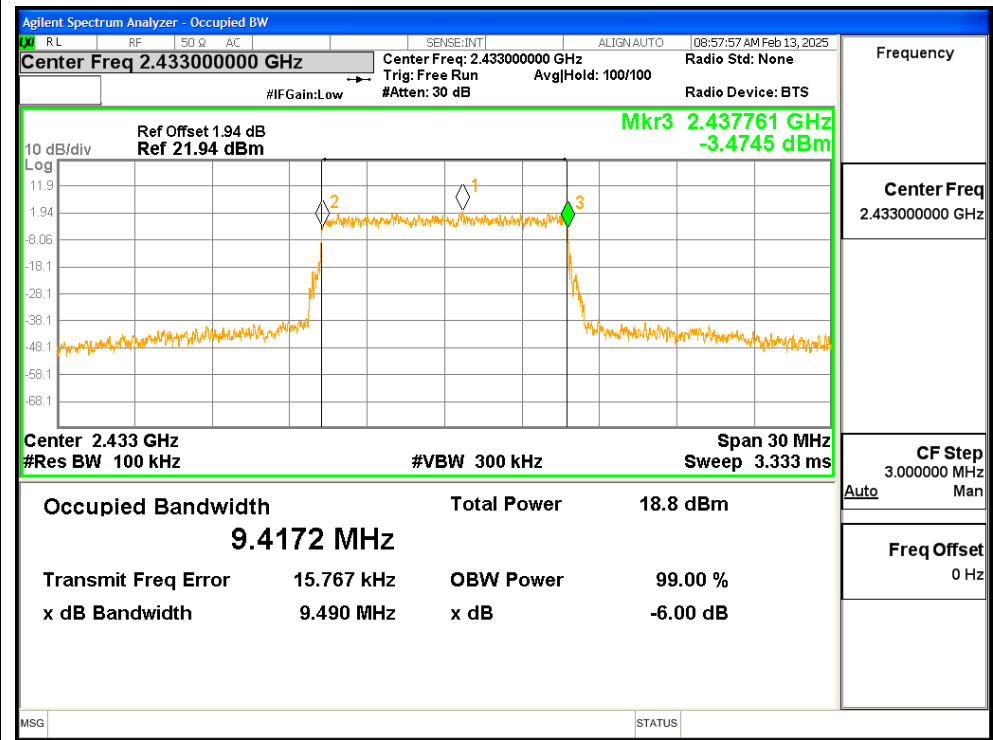


-6dB Bandwidth - 2411MHz Ant2

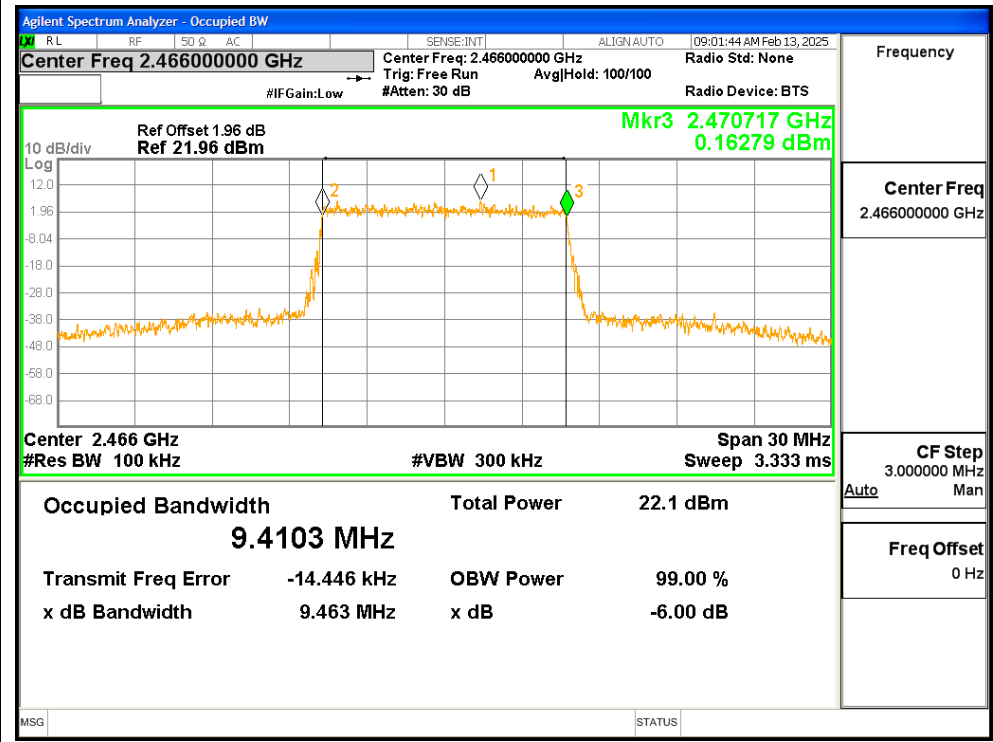


GTSL2025020052F02

-6dB Bandwidth - 2433MHz Ant2



-6dB Bandwidth - 2466MHz Ant2



GTSL2025020052F02

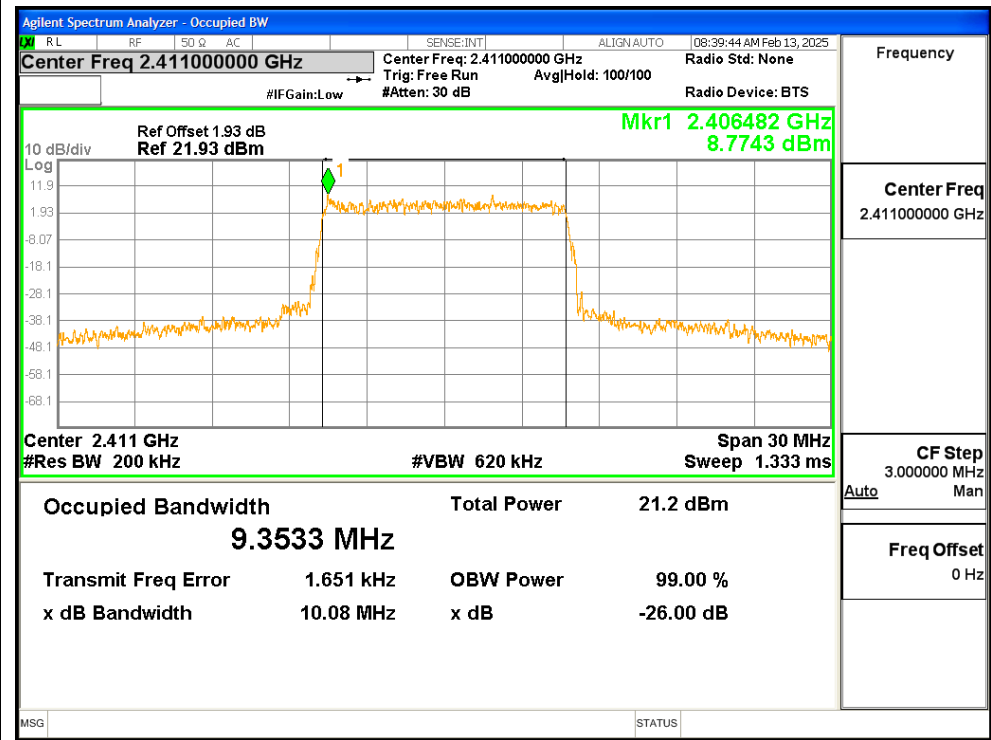
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2411	Ant1	9.353
		2433		9.392
		2466		9.423
		2411	Ant2	9.407
		2433		9.482
		2466		9.487

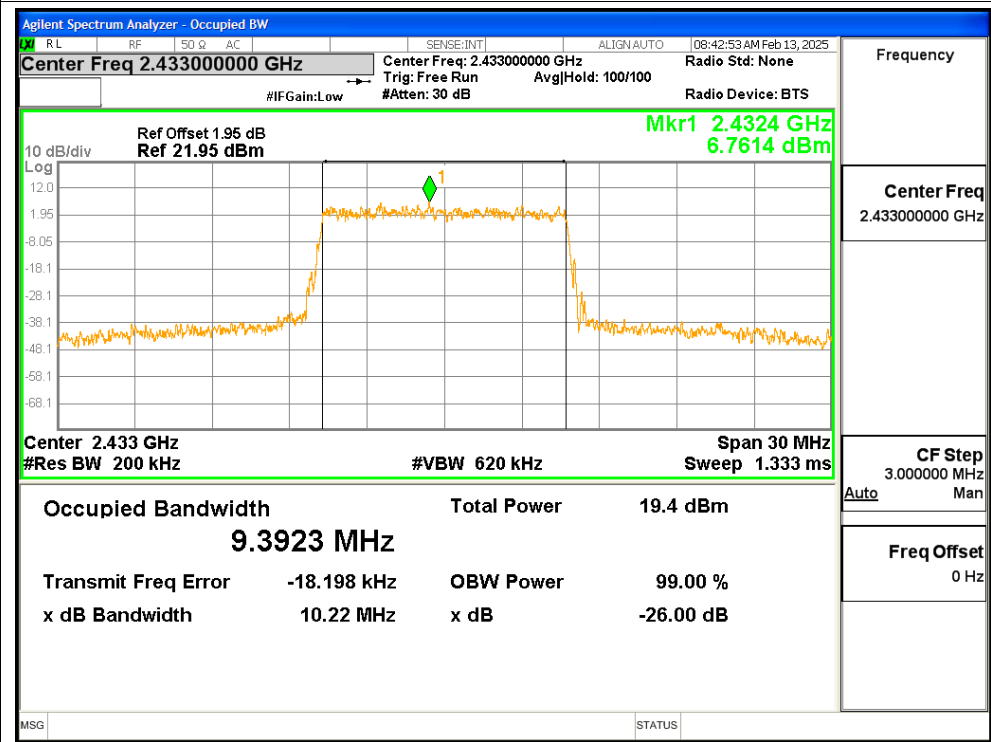
GTSL2025020052F02

Test Graphs

OBW - 2411MHz Ant1

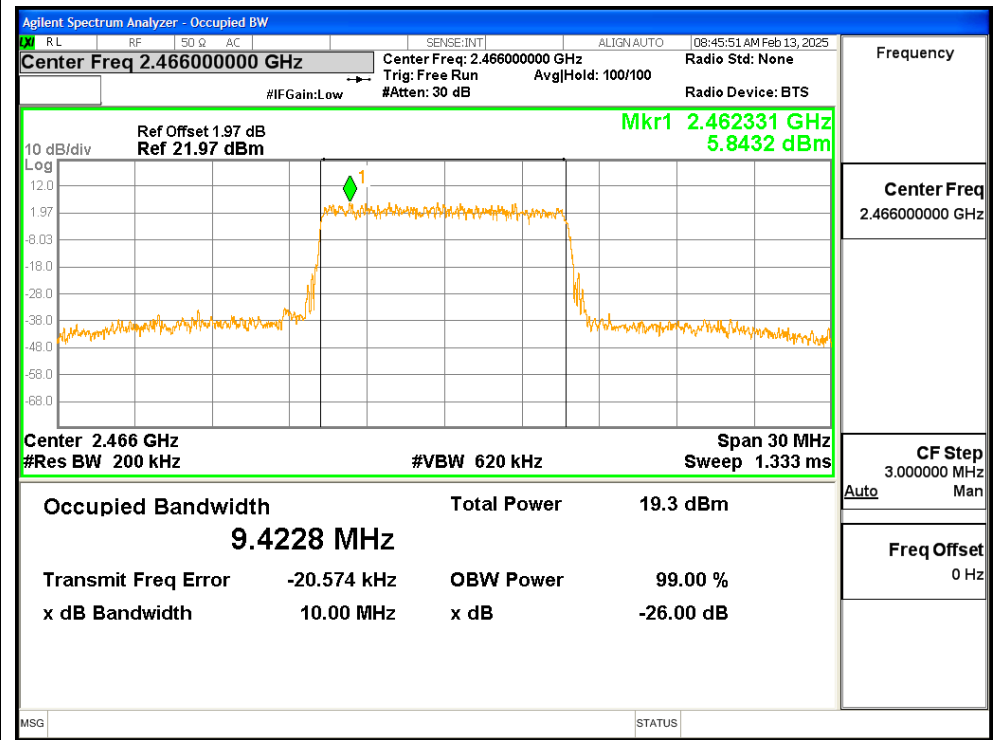


OBW - 2433MHz Ant1

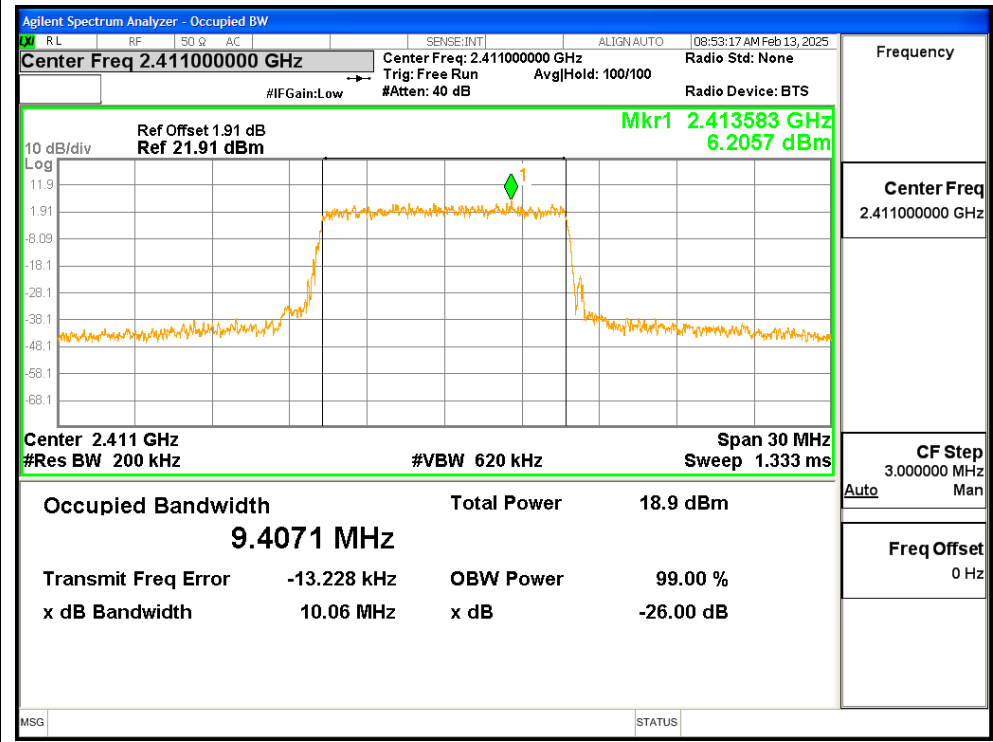


GTSL2025020052F02

OBW - 2466MHz Ant1

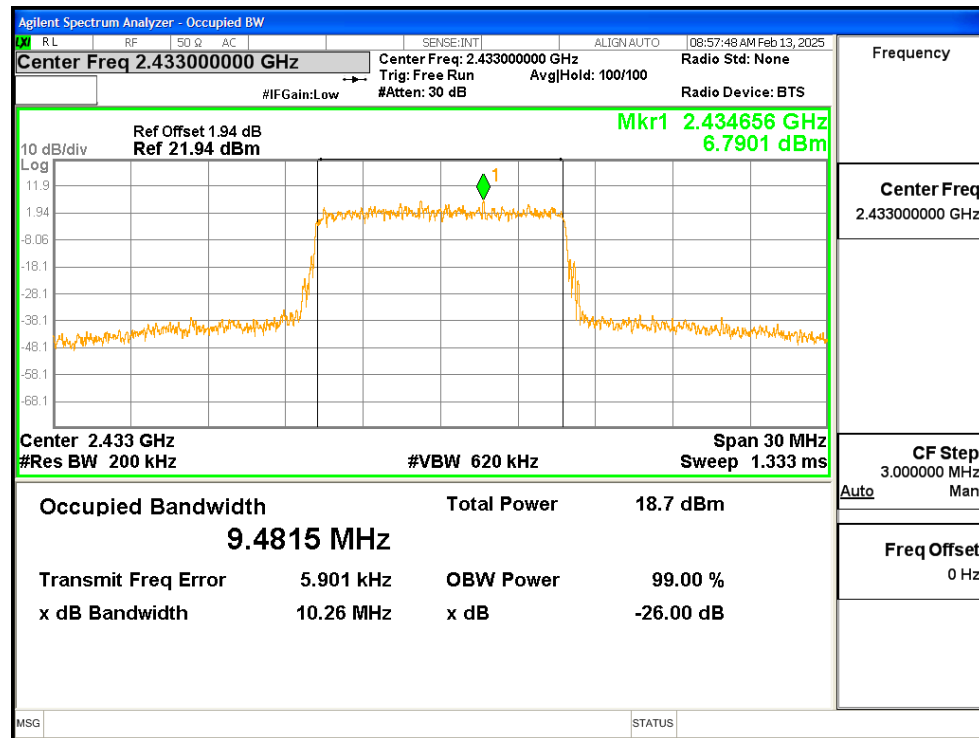


OBW - 2411MHz Ant2

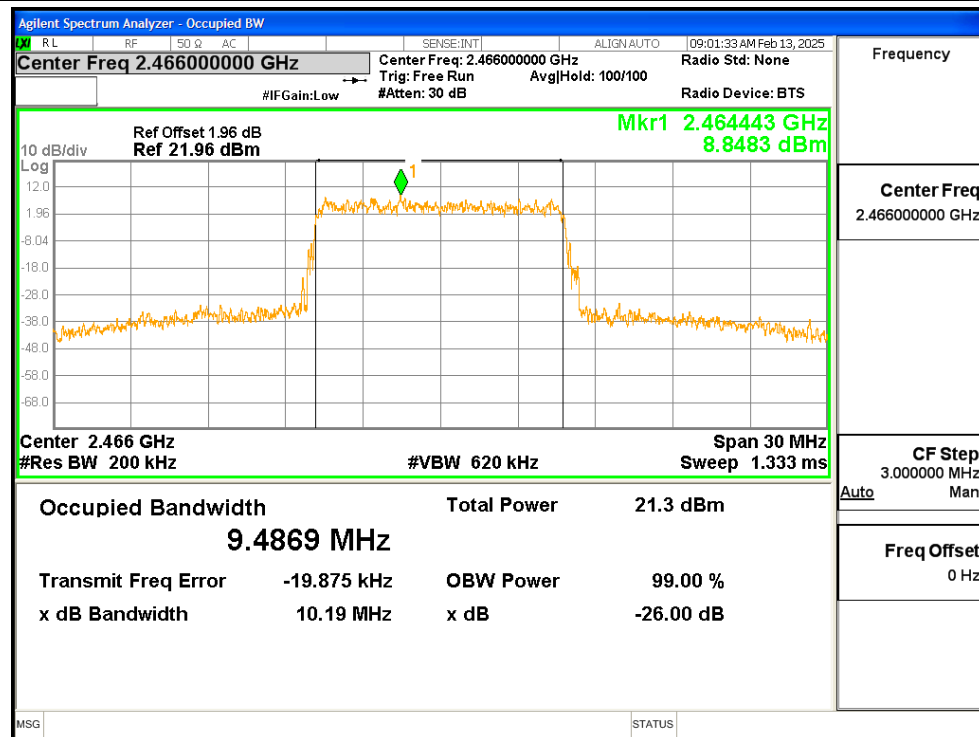


GTSL2025020052F02

OBW - 2433MHz Ant2



OBW - 2466MHz Ant2



GTSL2025020052F02

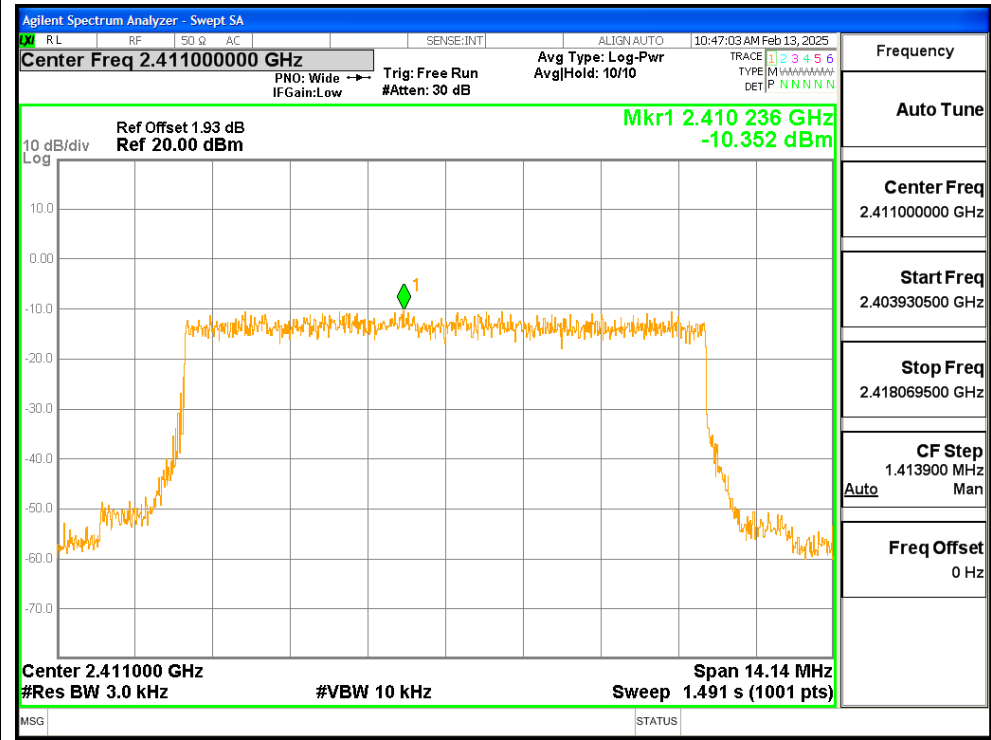
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2411	Ant1	-10.35	8	Pass
		2433	Ant1	-11.45	8	Pass
		2466	Ant1	-11.14	8	Pass
		2411	Ant2	-12.71	8	Pass
		2433	Ant2	-13.34	8	Pass
		2466	Ant2	-12.04	8	Pass
		2411	MIMO	-8.36	8	Pass
		2433	MIMO	-9.28	8	Pass
		2466	MIMO	-8.56	8	Pass

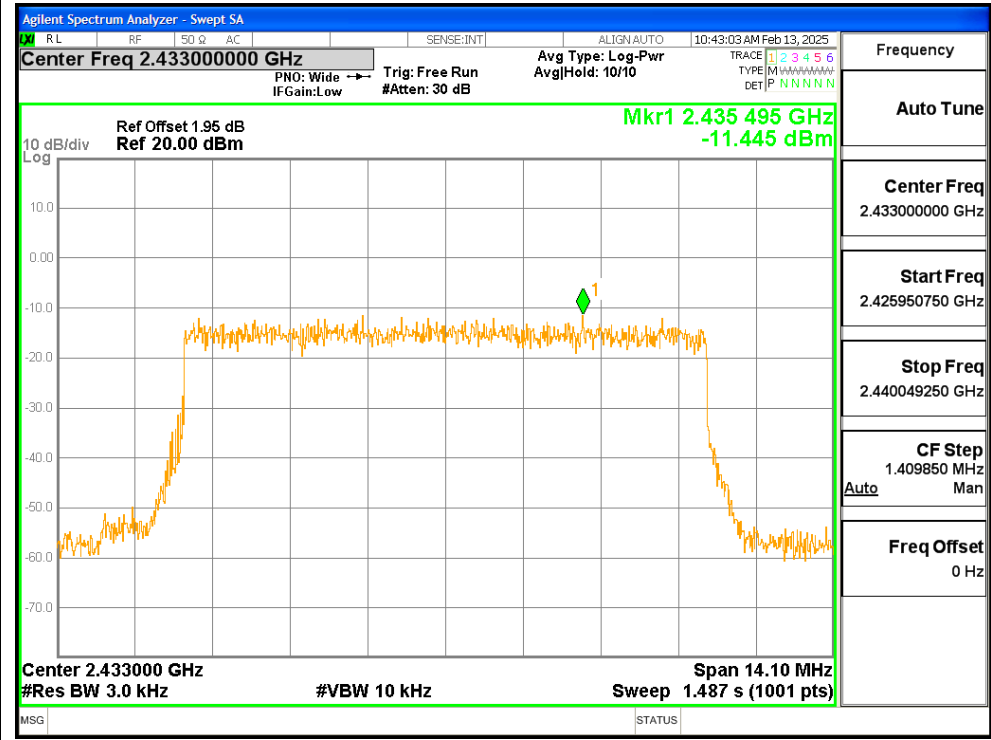
GTSL2025020052F02

Test Graphs

PSD - 2411MHz Ant1

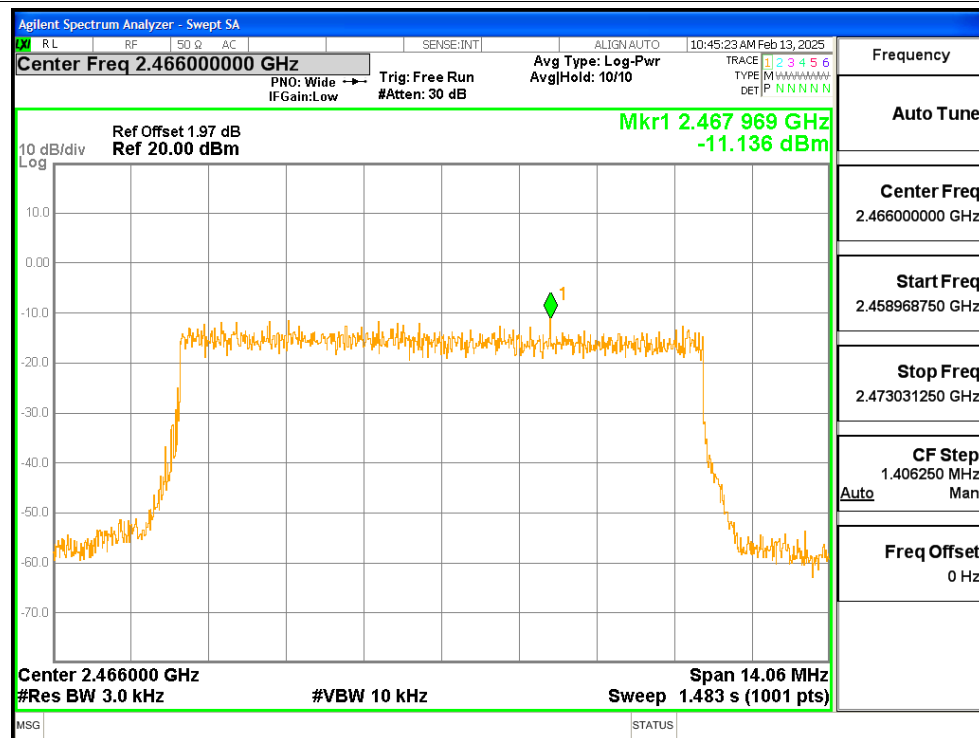


PSD - 2433MHz Ant1

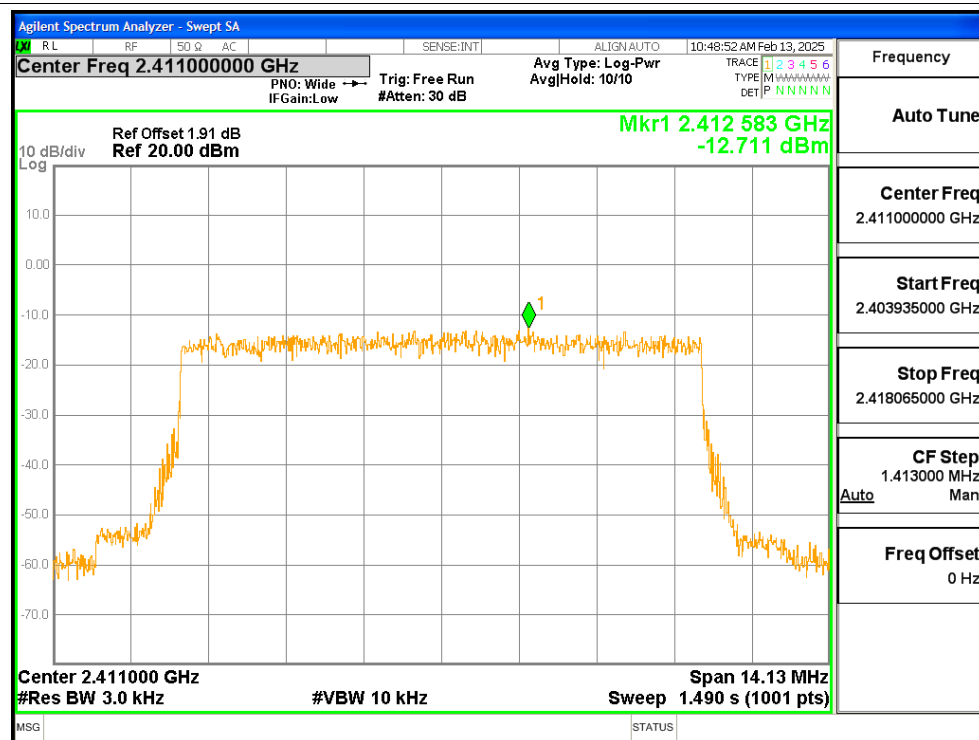


GTSL2025020052F02

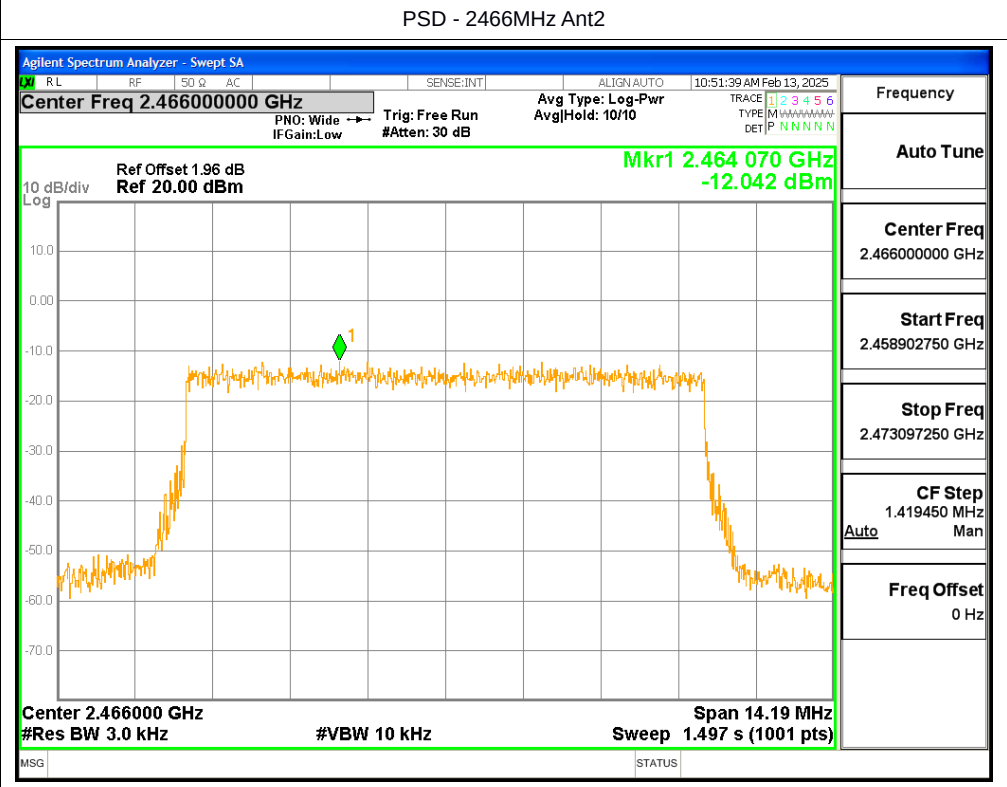
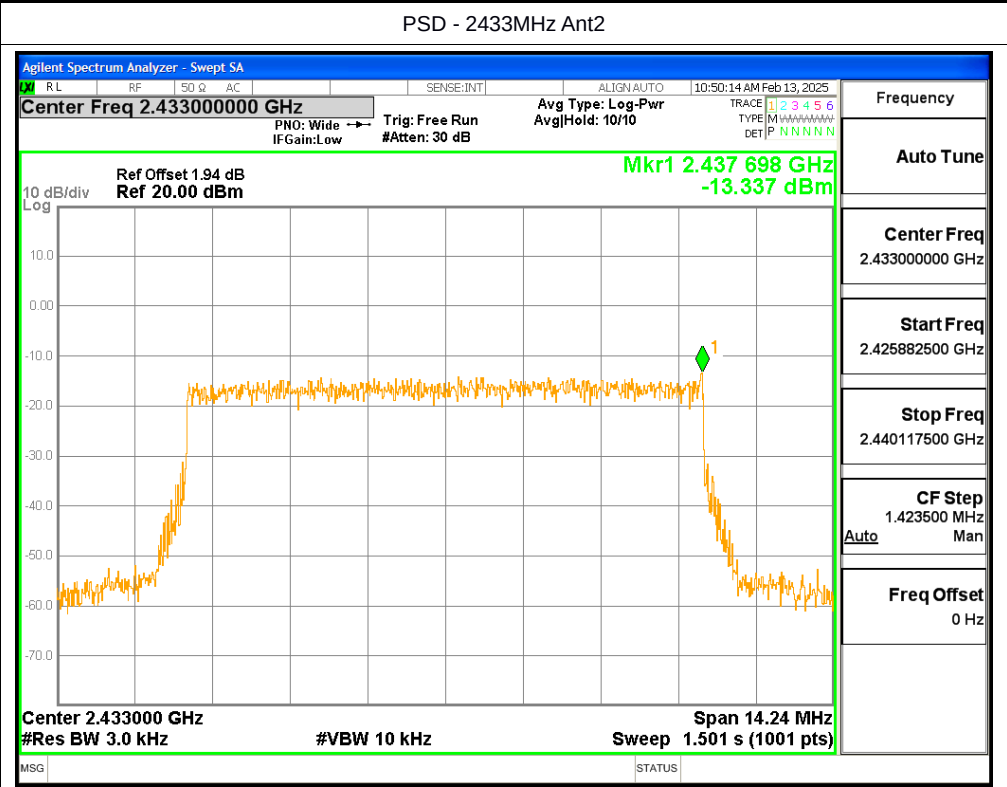
PSD - 2466MHz Ant1



PSD - 2411MHz Ant2



GTSL2025020052F02



GTSL2025020052F02

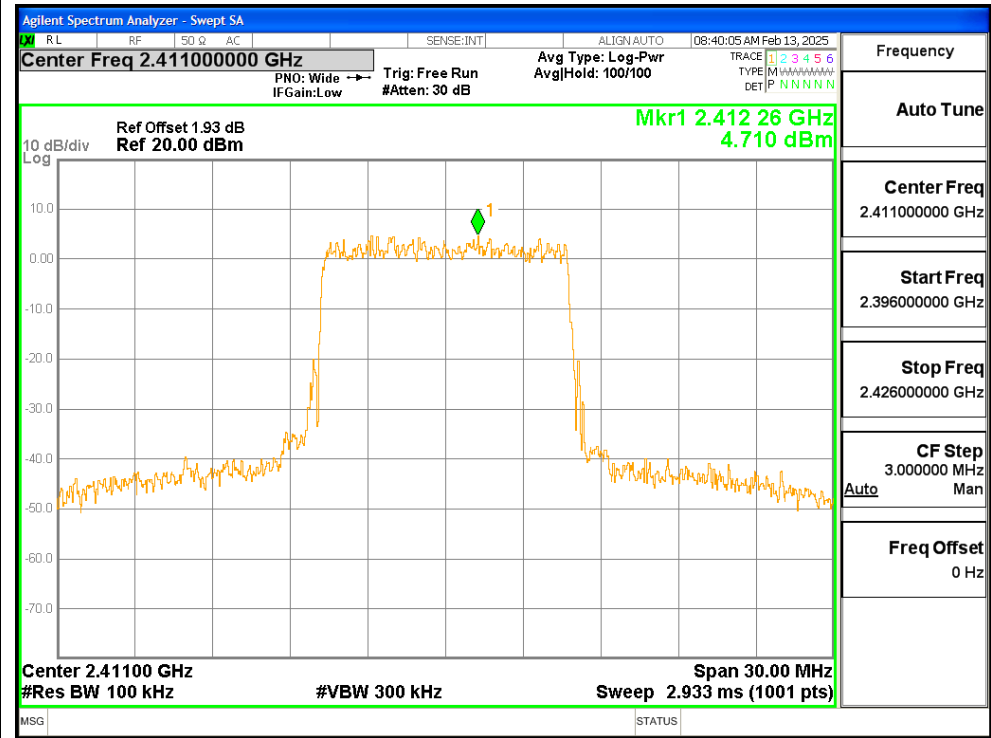
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2411	Ant1	-47.32	-20	Pass
		2466		-47.97	-20	Pass
		2411	Ant2	-48.34	-20	Pass
		2466		-53.41	-20	Pass

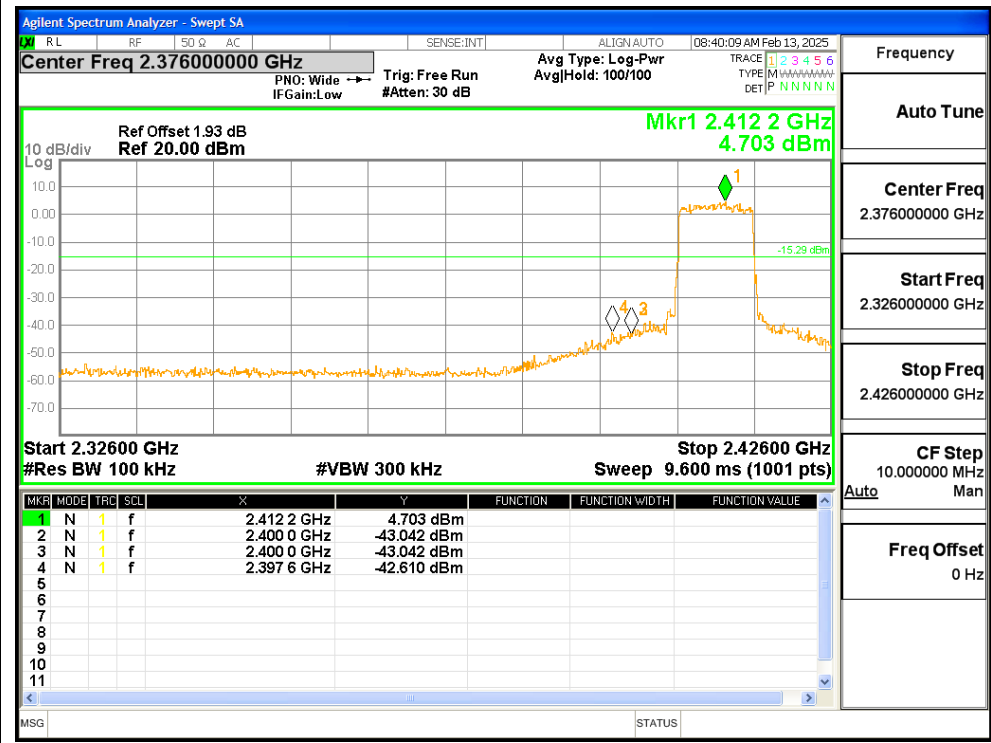
GTSL2025020052F02

Test Graphs

Band Edge - 2411MHz Ant1 Ref

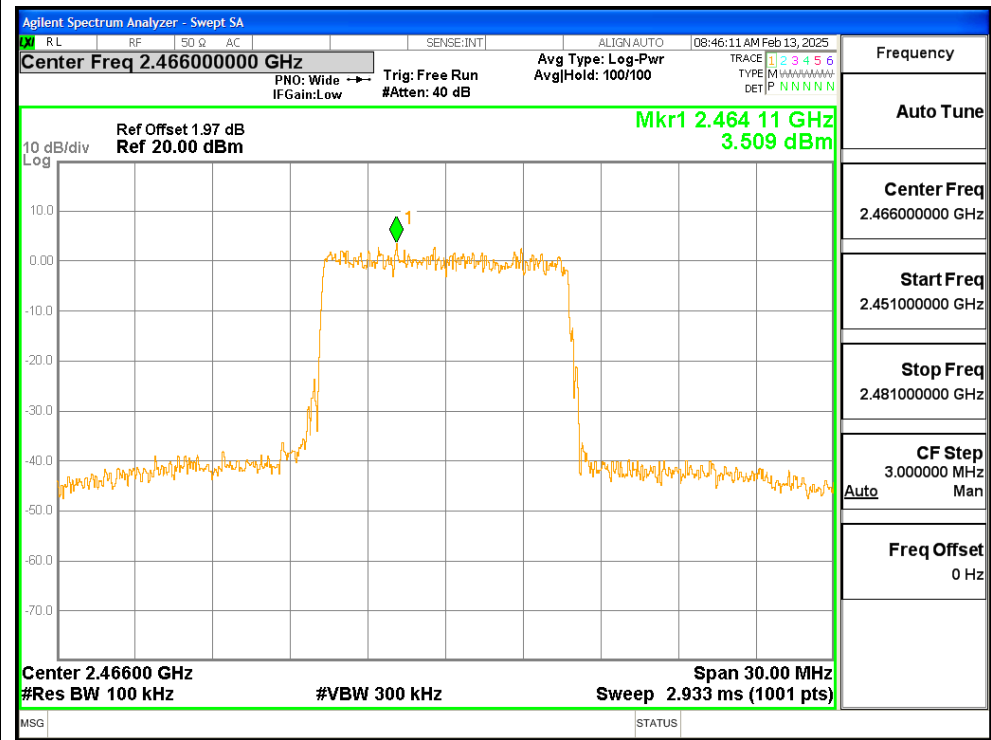


Band Edge - 2411MHz Ant1 Emission

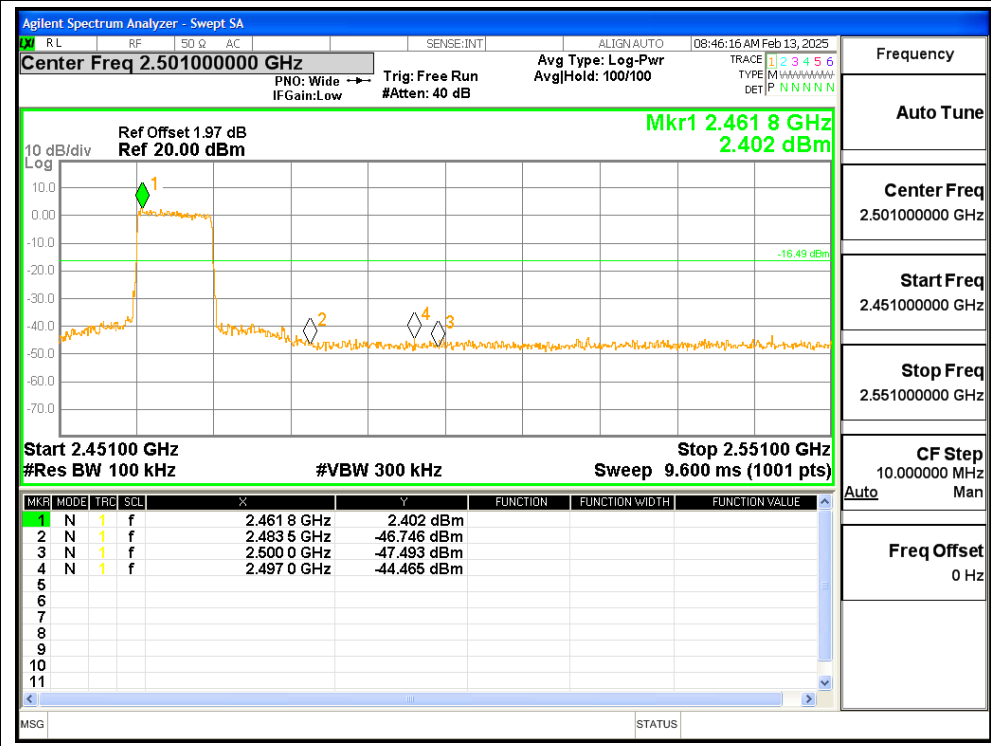


GTSL2025020052F02

Band Edge - 2466MHz Ant1 Ref

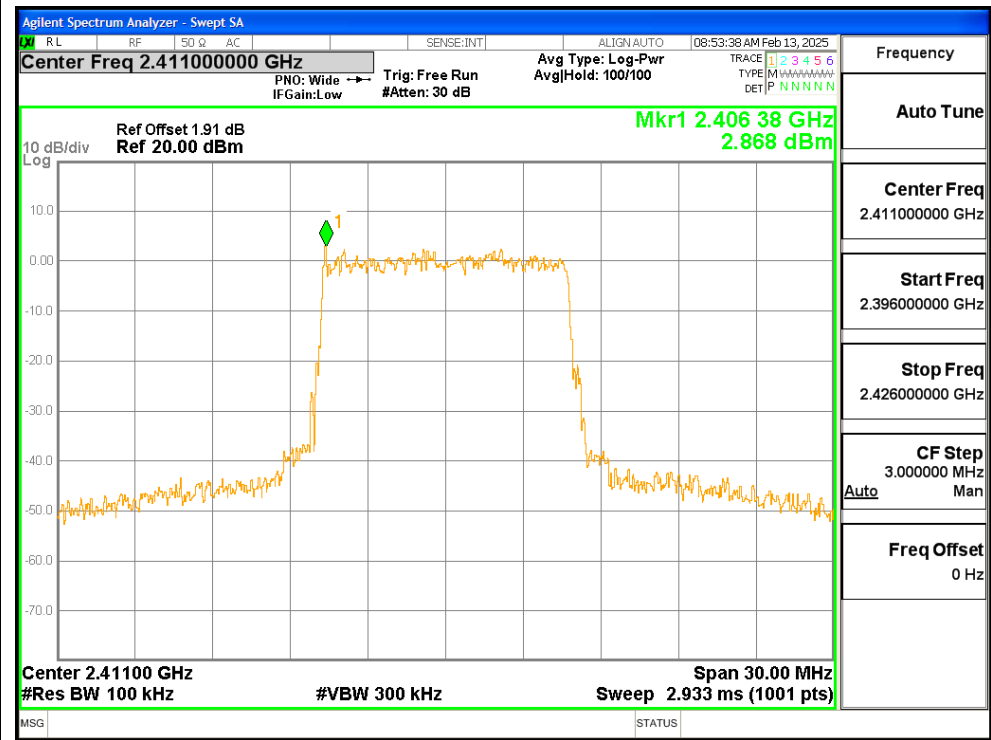


Band Edge - 2466MHz Ant1 Emission

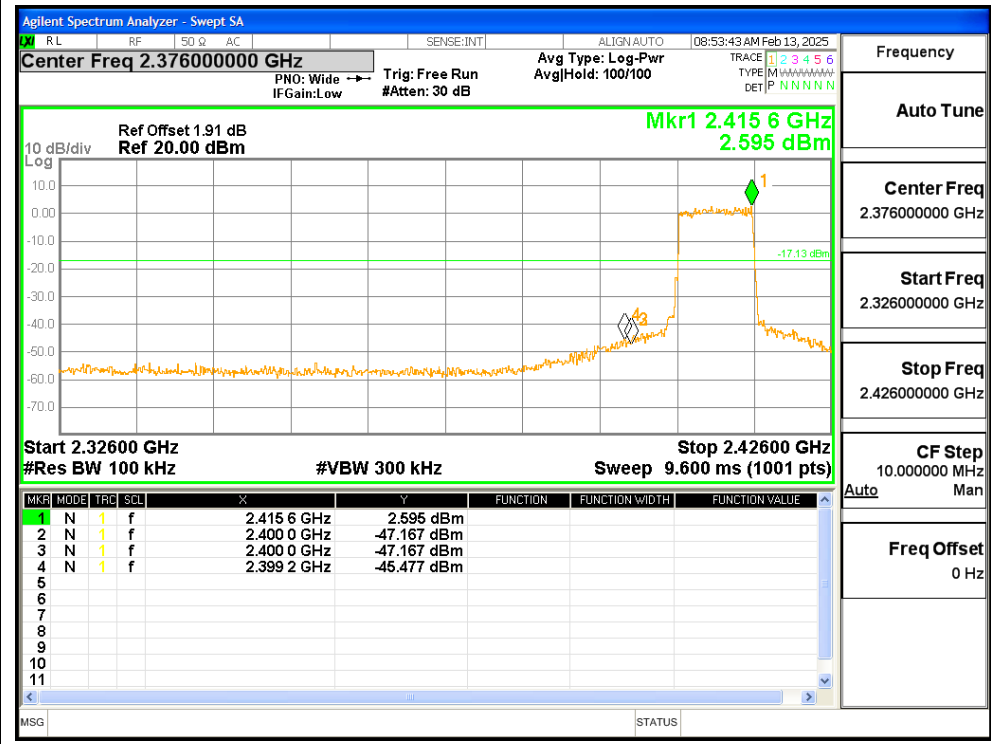


GTSL2025020052F02

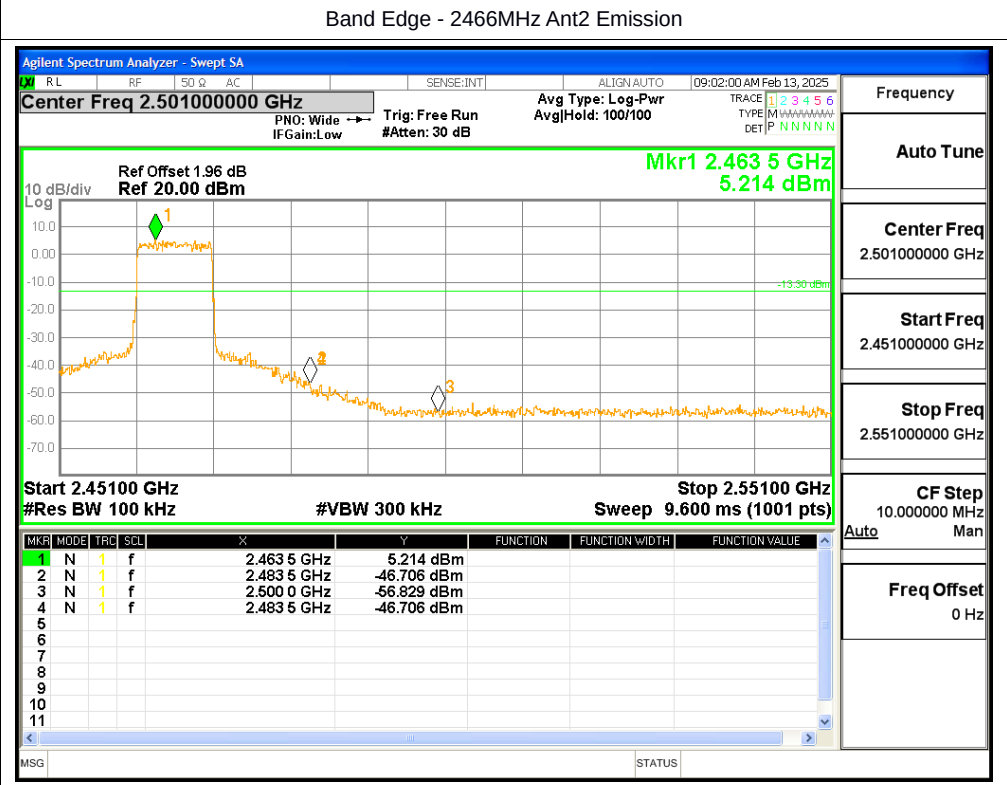
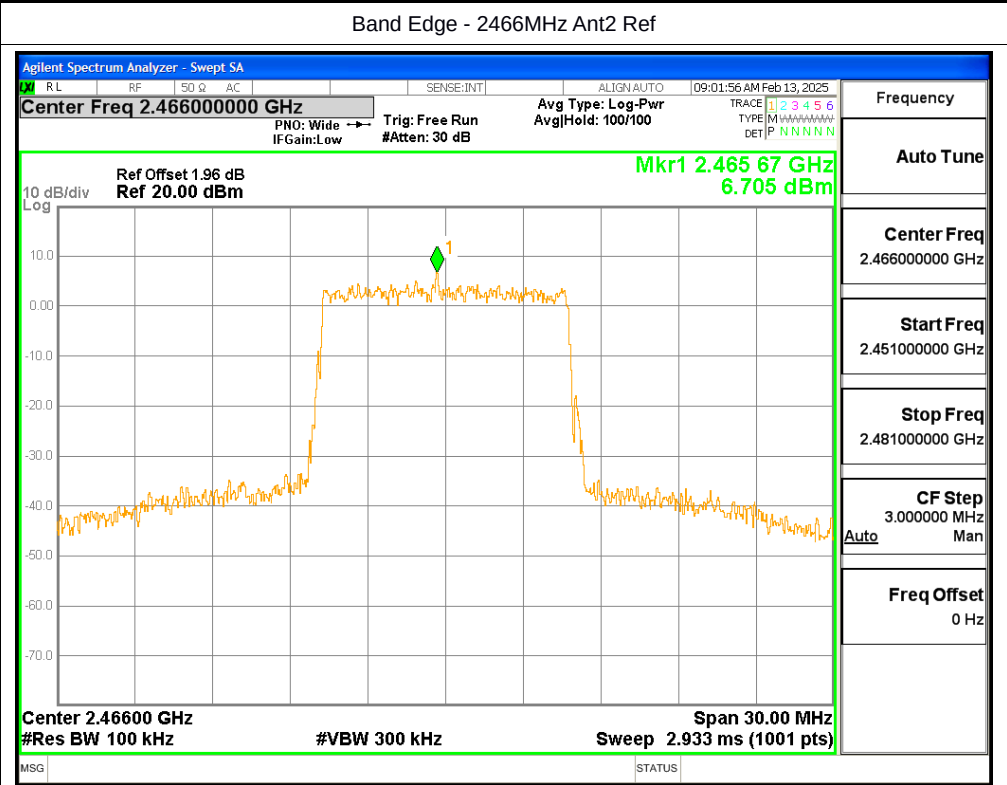
Band Edge - 2411MHz Ant2 Ref



Band Edge - 2411MHz Ant2 Emission



GTSL2025020052F02



GTSL2025020052F02

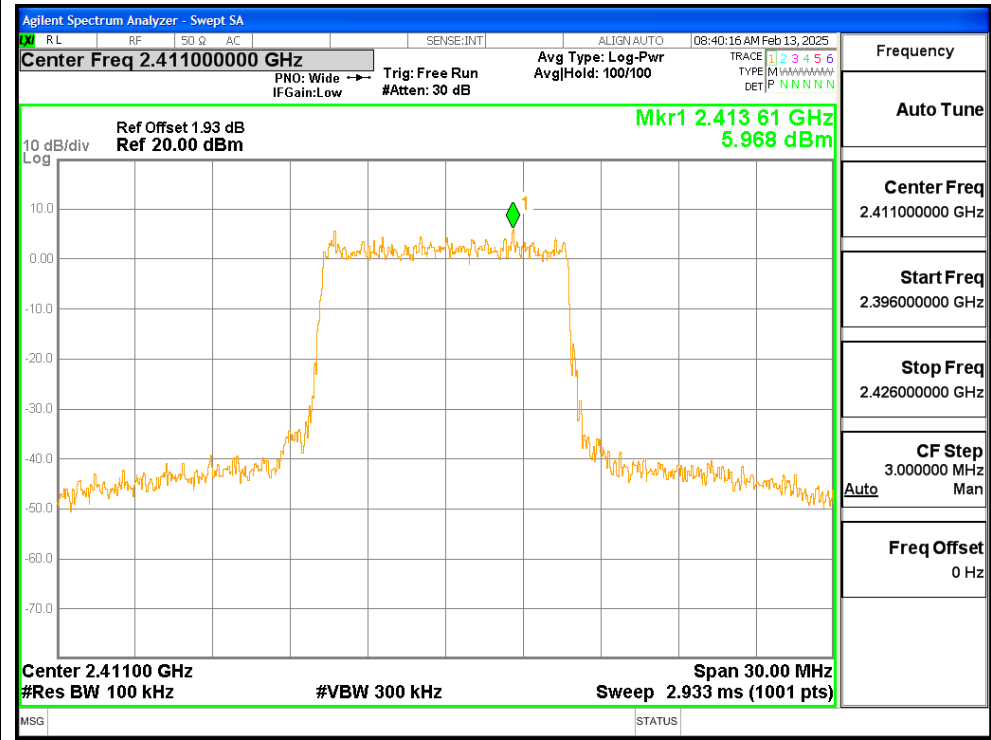
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2411	Ant1	-41.99	-20	Pass
		2433		-37.52	-20	Pass
		2466		-28.42	-20	Pass
		2411	Ant2	-29.47	-20	Pass
		2433		-39.67	-20	Pass
		2466		-32.04	-20	Pass

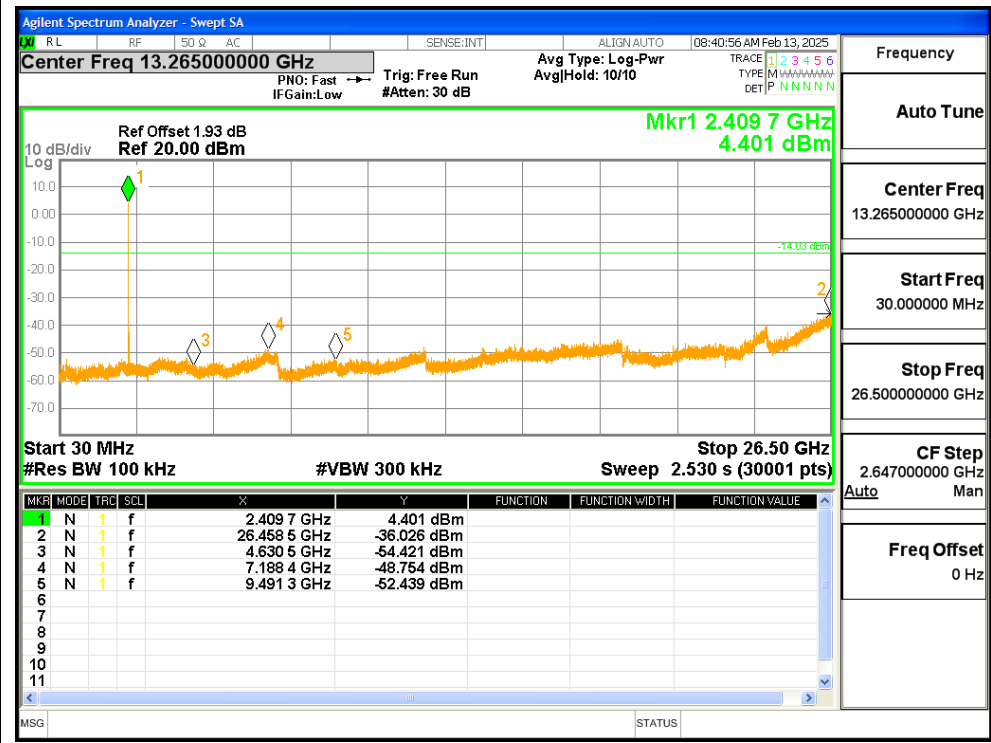
GTSL2025020052F02

Test Graphs

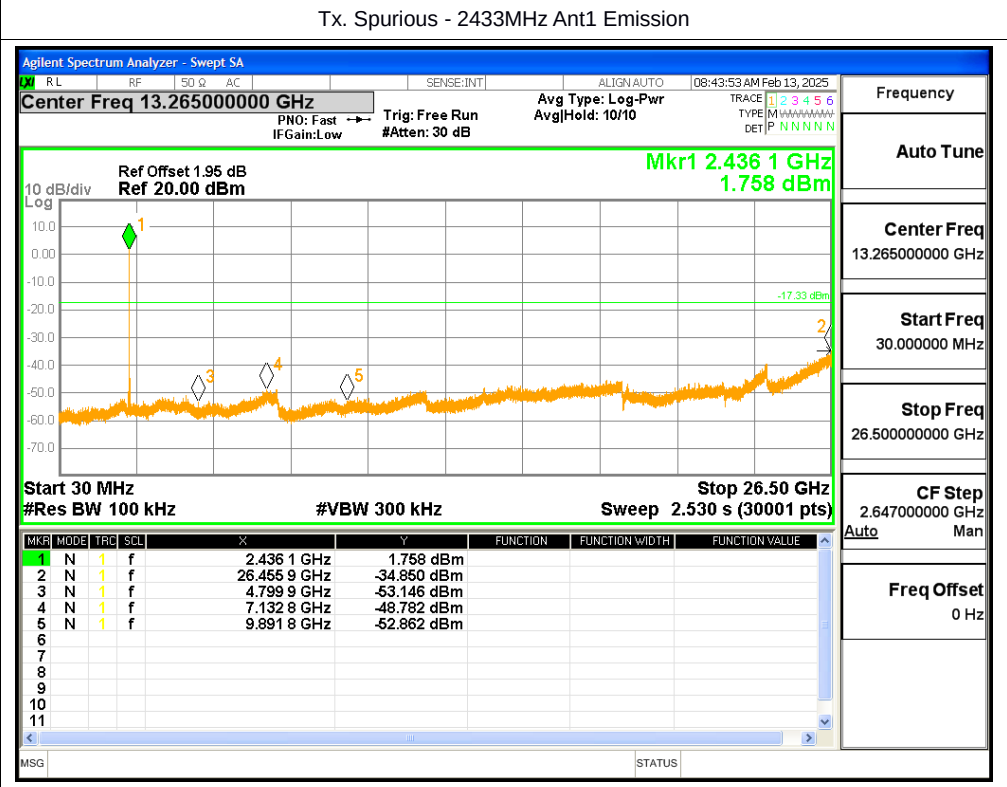
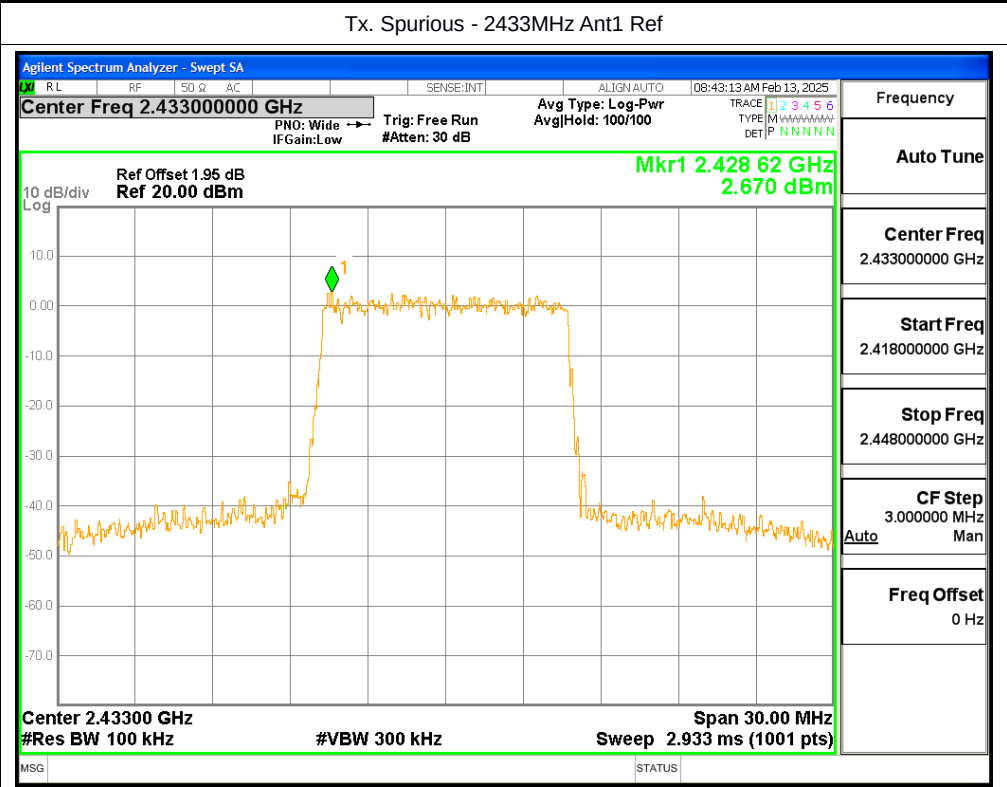
Tx. Spurious - 2411MHz Ant1 Ref



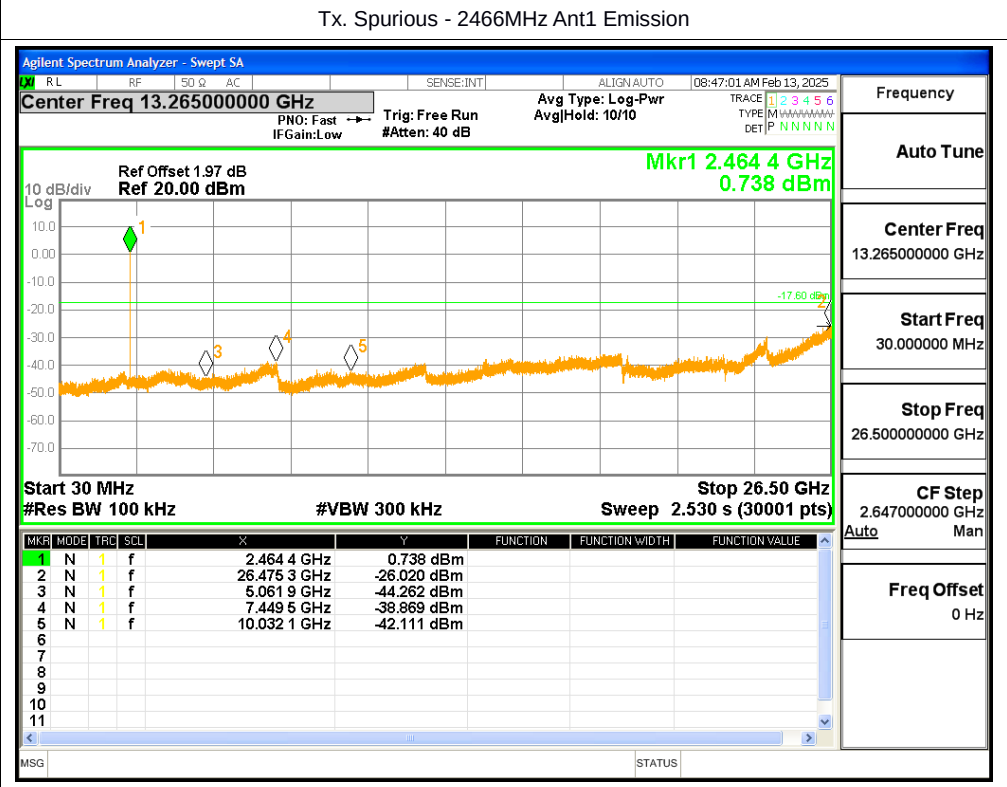
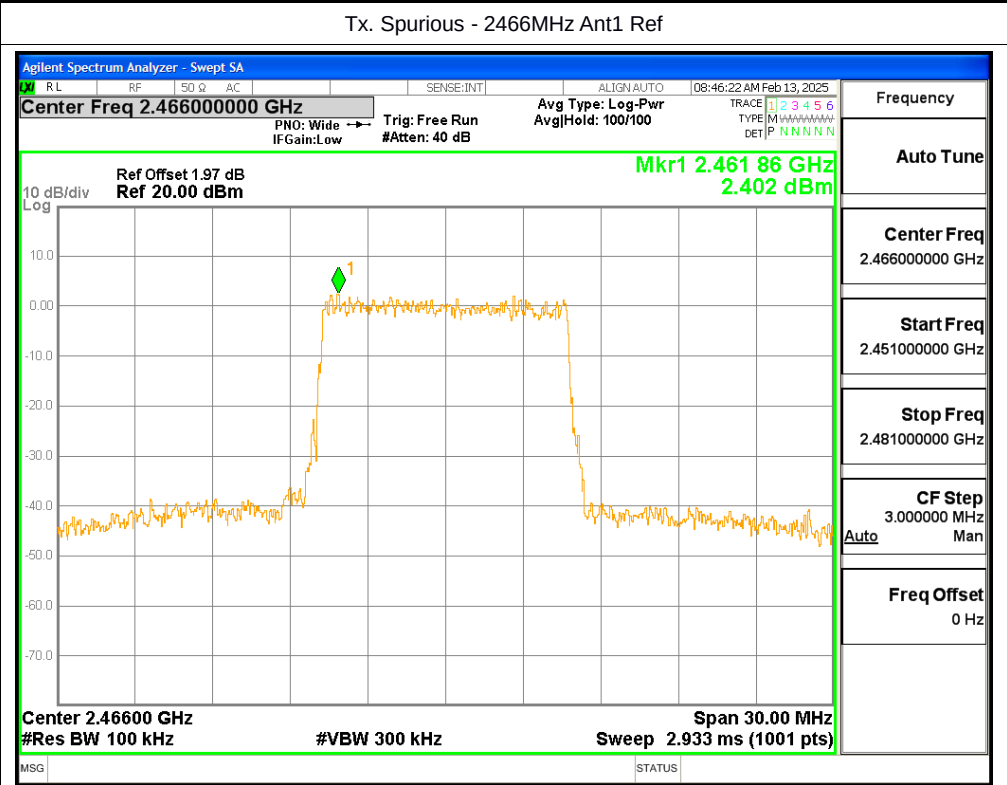
Tx. Spurious - 2411MHz Ant1 Emission



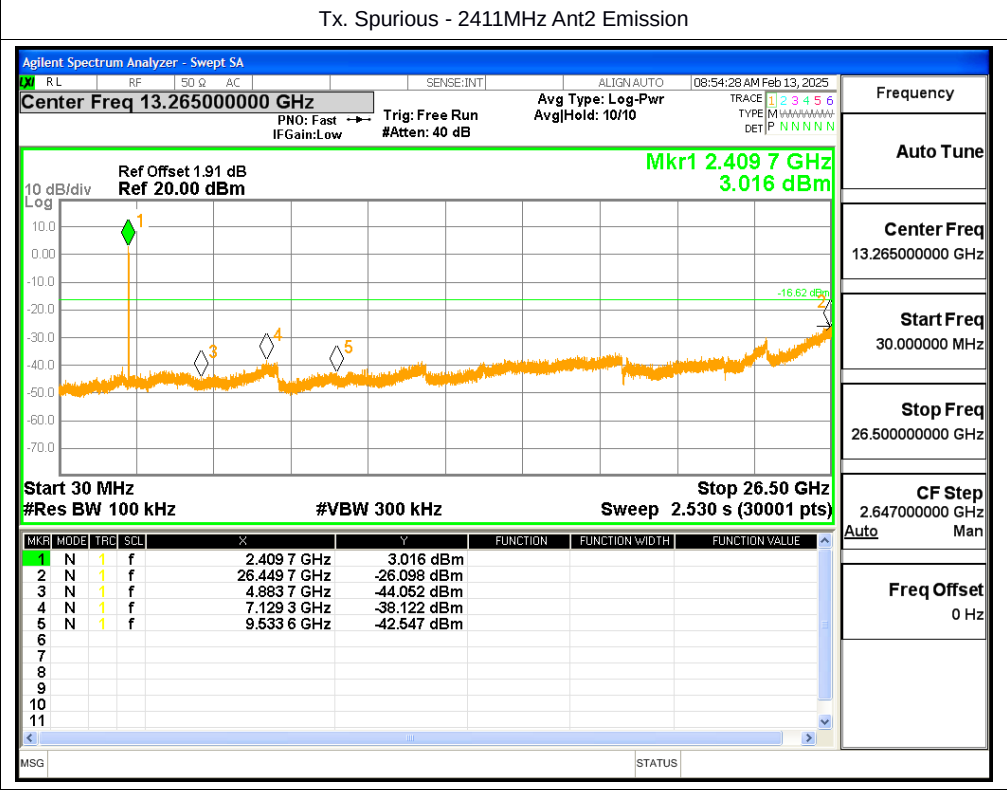
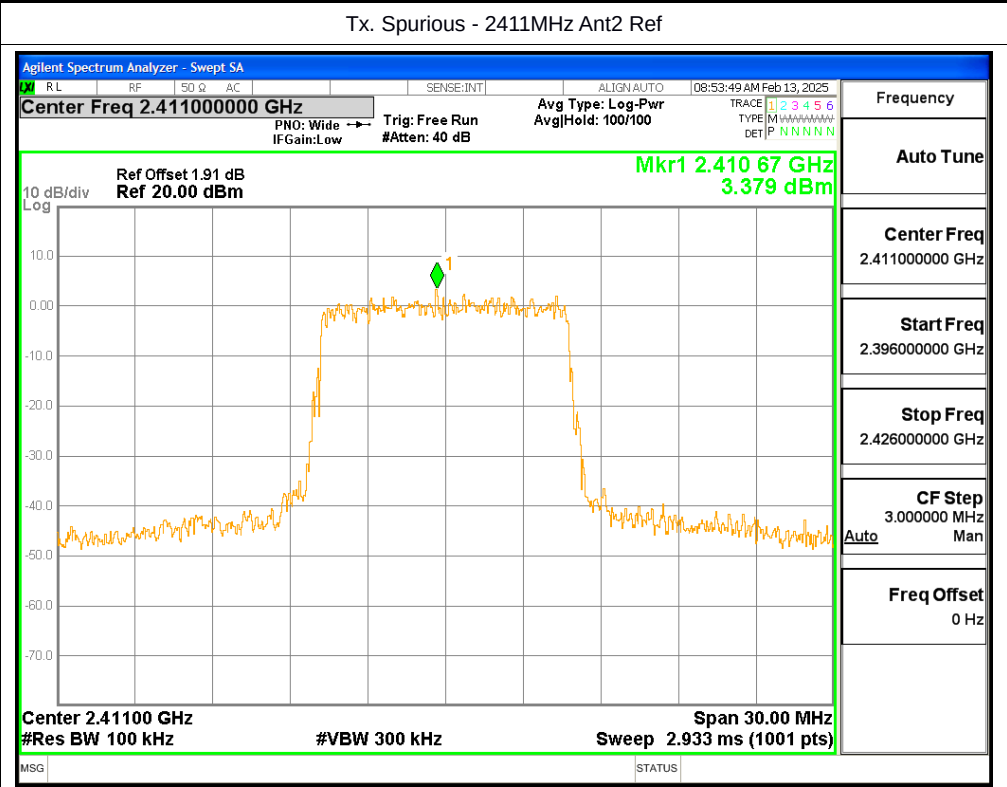
GTSL2025020052F02



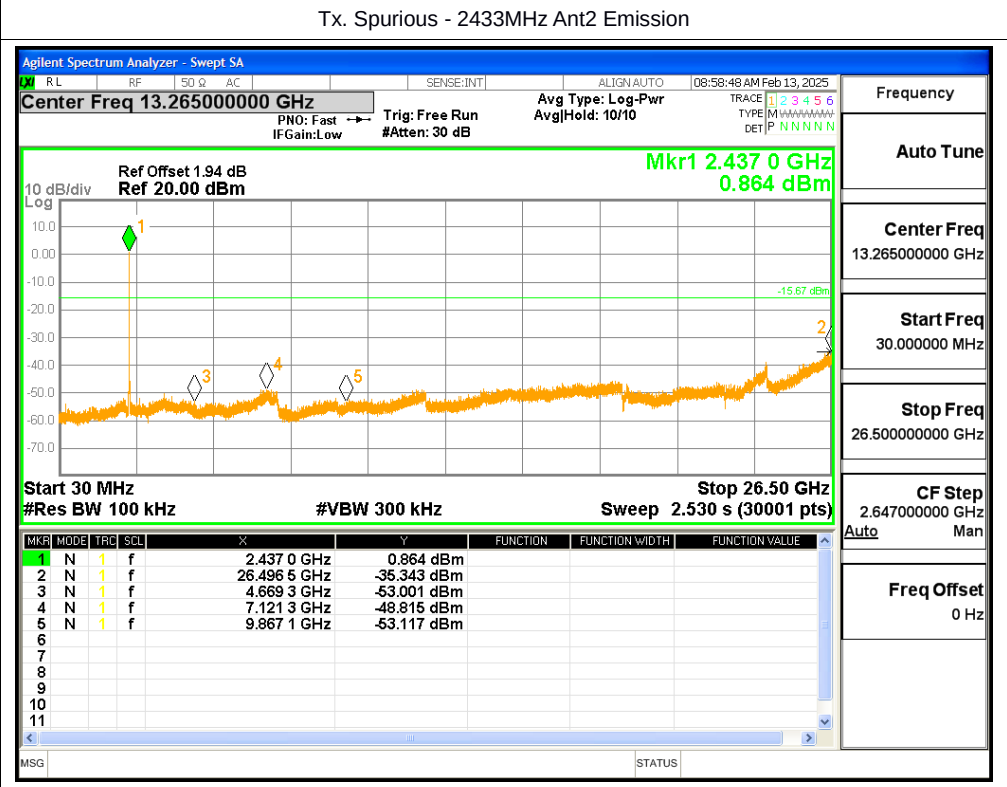
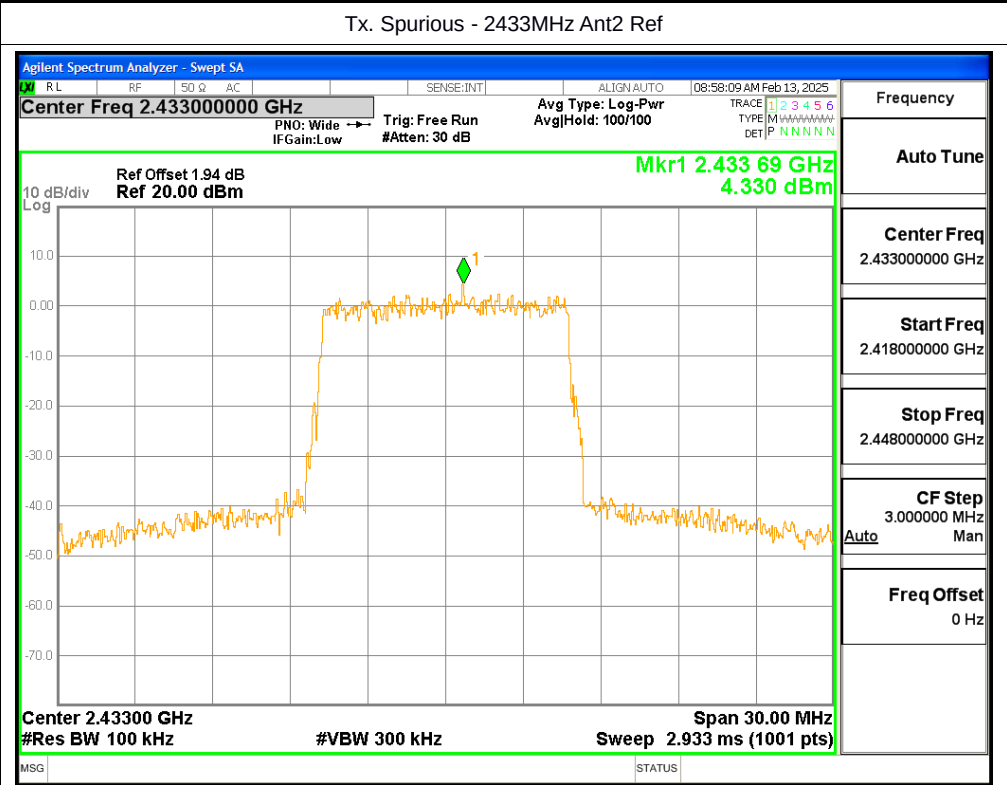
GTSL2025020052F02



GTSL2025020052F02



GTSL2025020052F02



GTSL2025020052F02

