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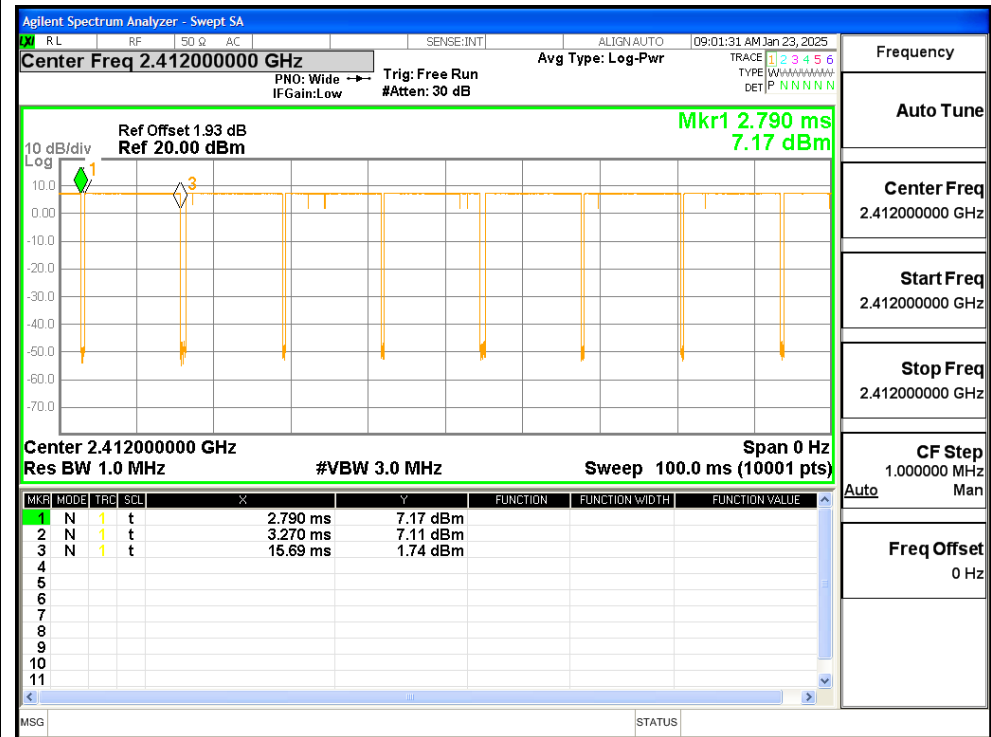
Conducted RF Spurious Emission40

Duty Cycle

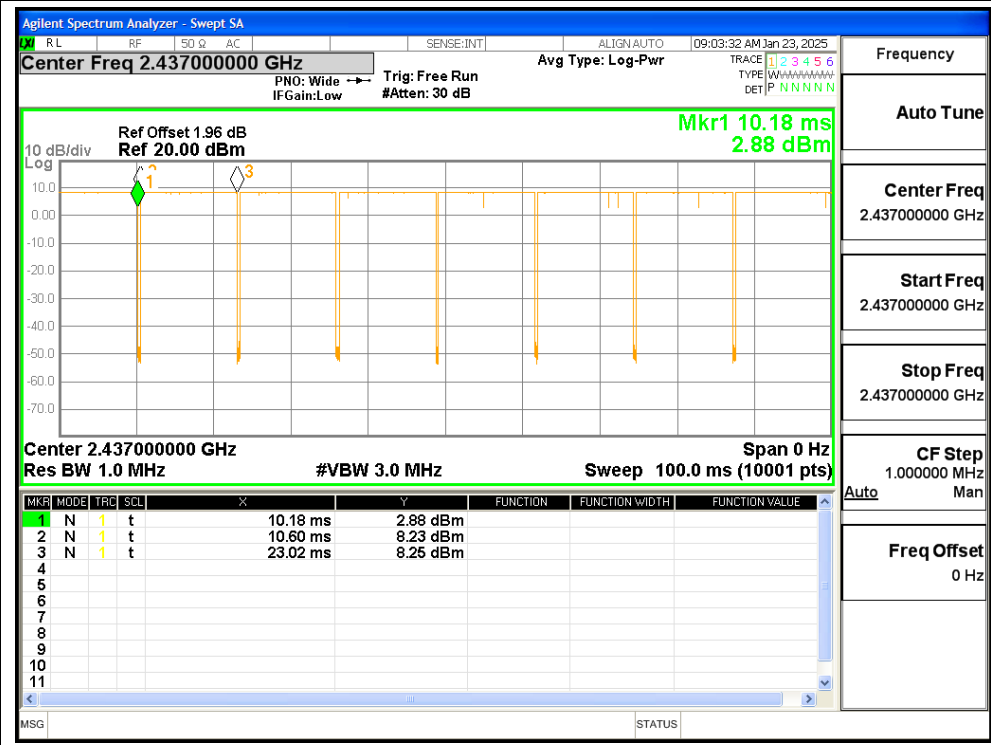
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	96.28	0.16	0.08
		2437		96.73	0.14	0.08
		2462		96.43	0.16	0.08
	g	2412		93.56	0.29	0.48
		2437		94.77	0.23	0.48
		2462		91.33	0.39	0.48
	n20	2412		49.89	3.02	4.37
		2437		54.14	2.66	4.37
		2462		68.77	1.63	4.37
	n40	2422		37.91	4.21	7.73
		2437		55.36	2.57	7.75
		2452		40.03	3.98	7.72

Test Graphs

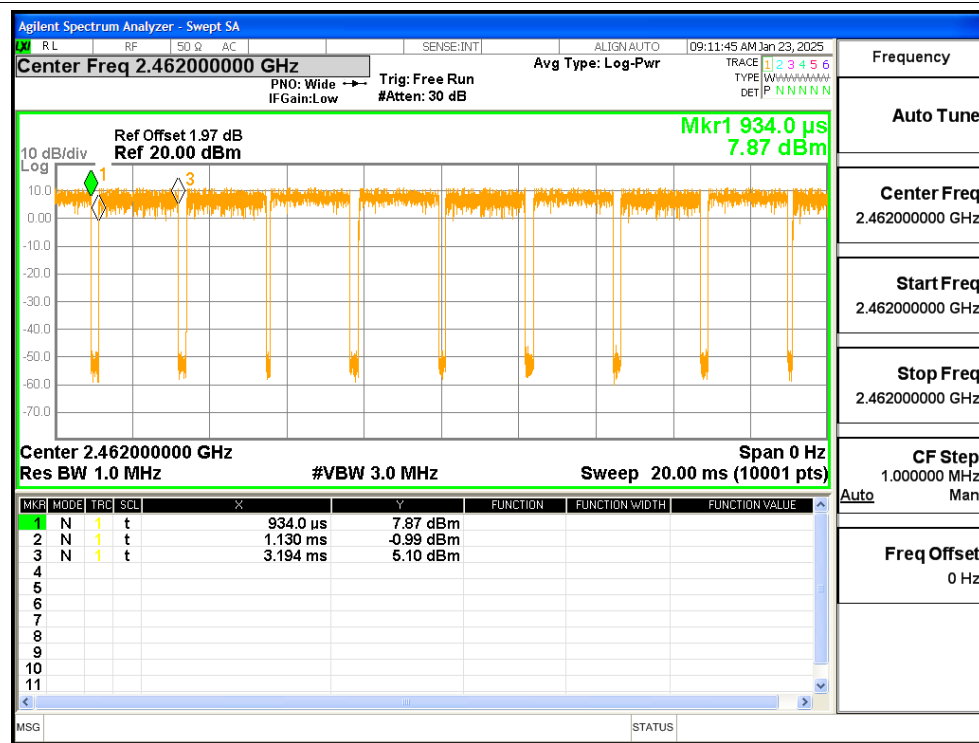
Duty Cycle NVNT b 2412MHz Ant1



Duty Cycle NVNT b 2437MHz Ant1

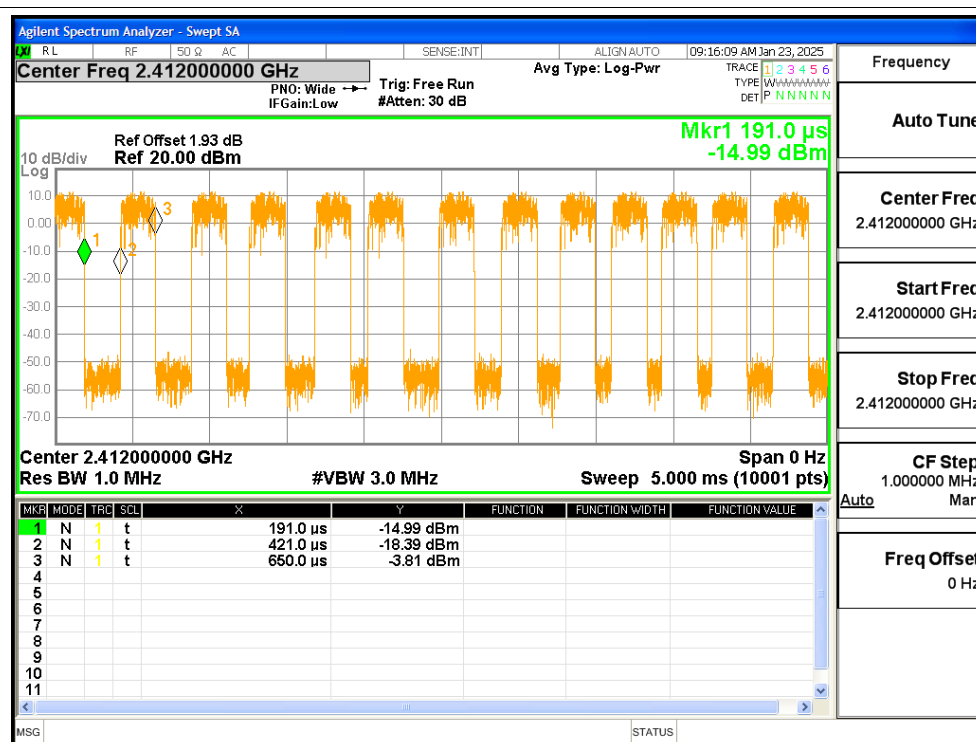


Duty Cycle NVNT g 2462MHz Ant1

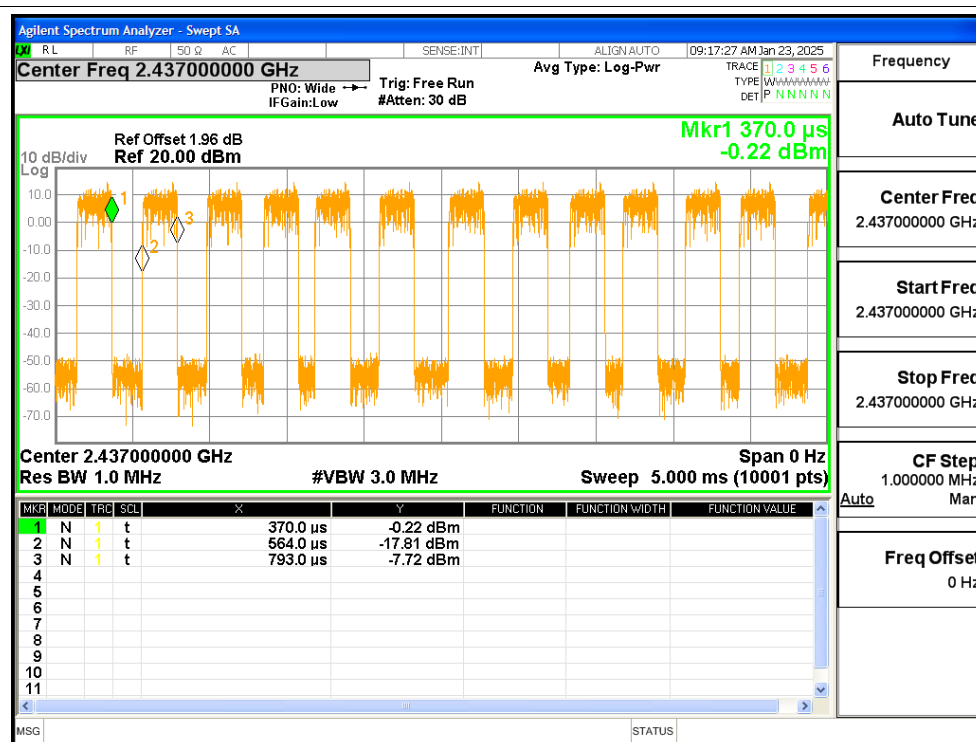


GTSL2025020051F03 2.4G WiFi

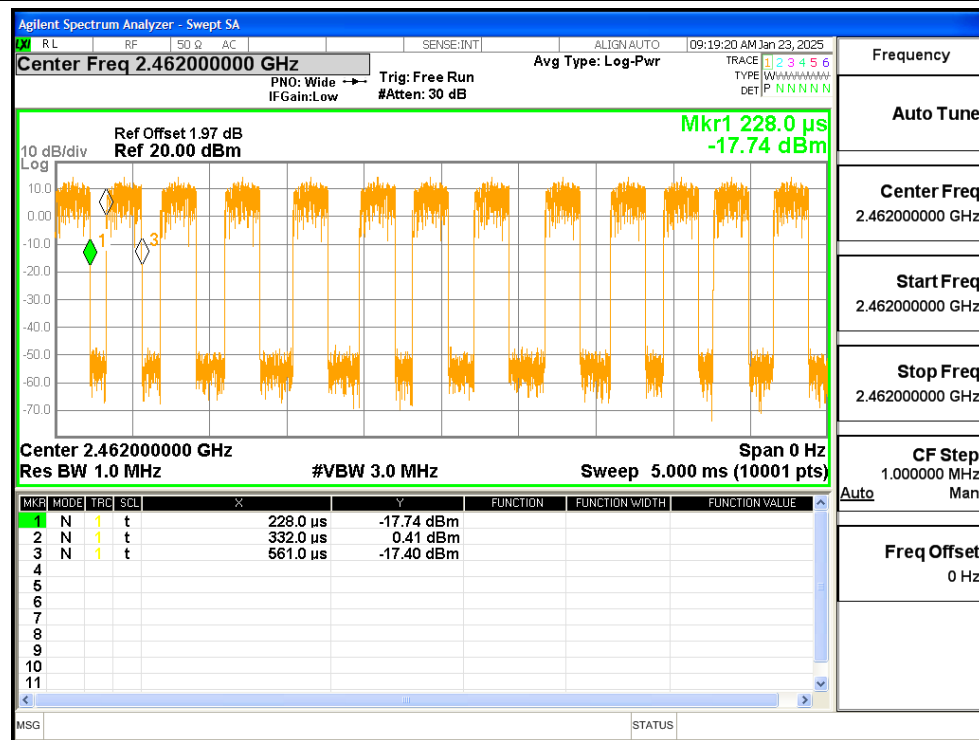
Duty Cycle NVNT n20 2412MHz Ant1



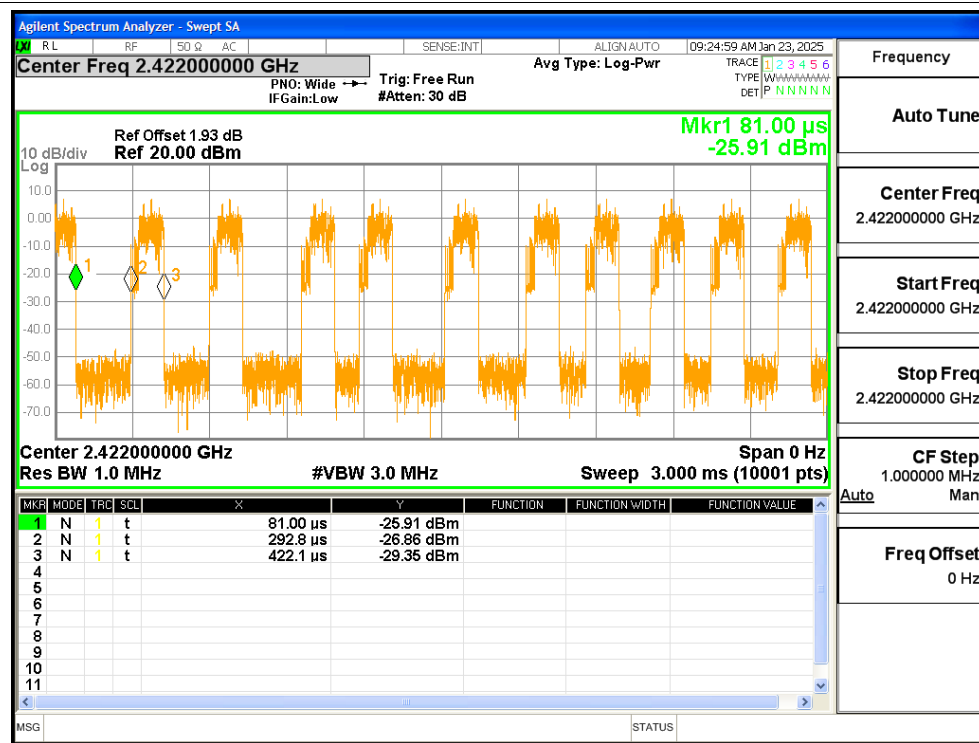
Duty Cycle NVNT n20 2437MHz Ant1



Duty Cycle NVNT n20 2462MHz Ant1

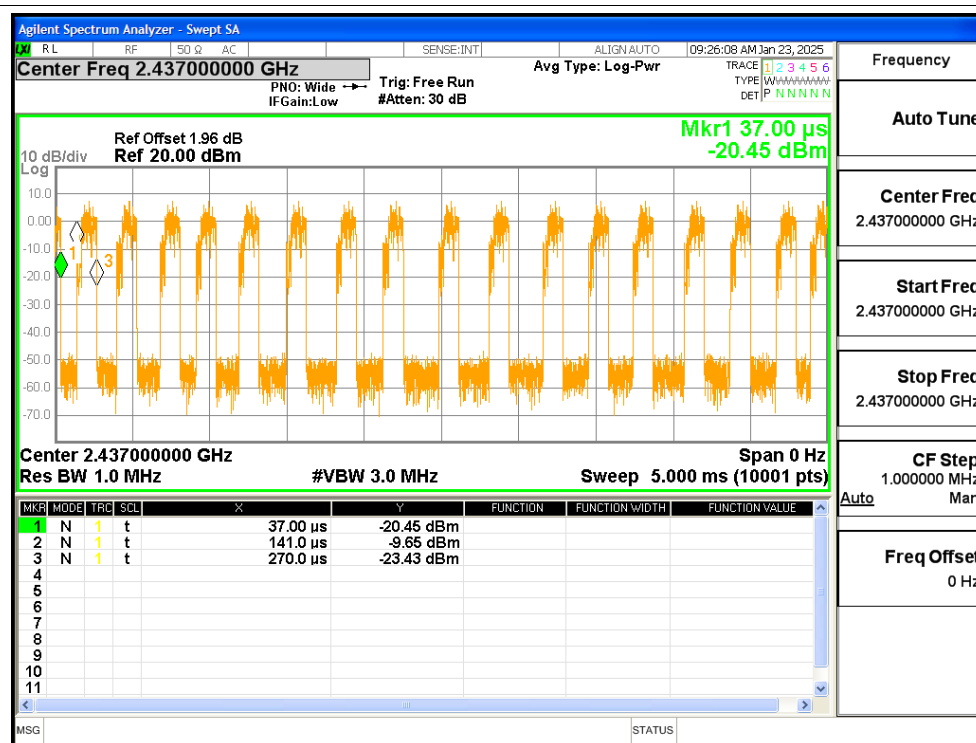


Duty Cycle NVNT n40 2422MHz Ant1

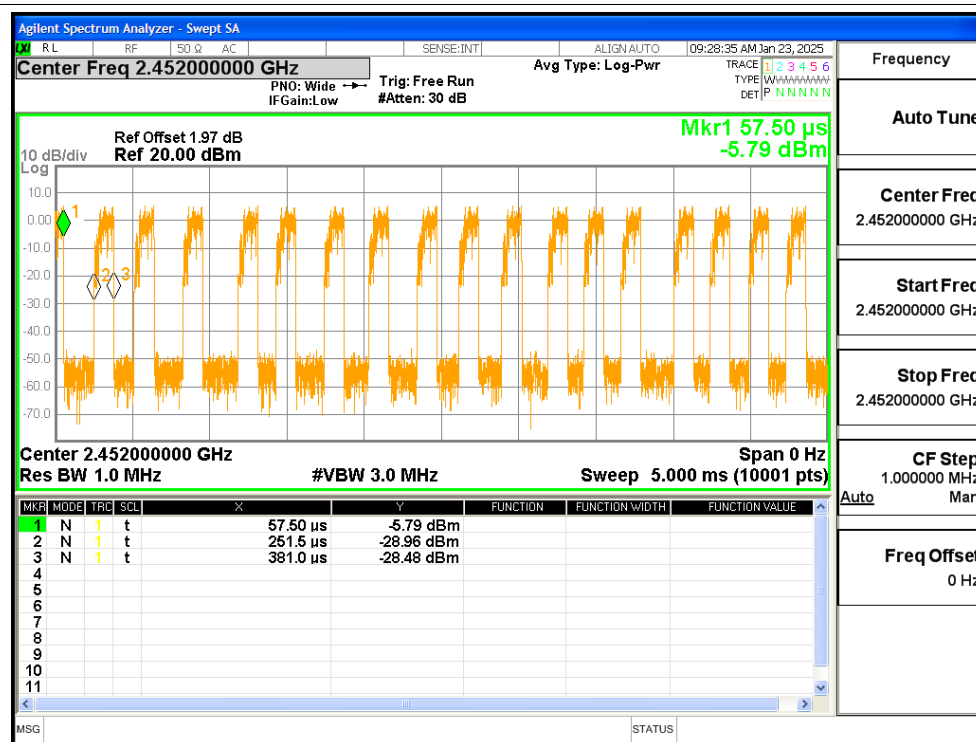


GTSL2025020051F03 2.4G WiFi

Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1



Maximum Conducted Output Power

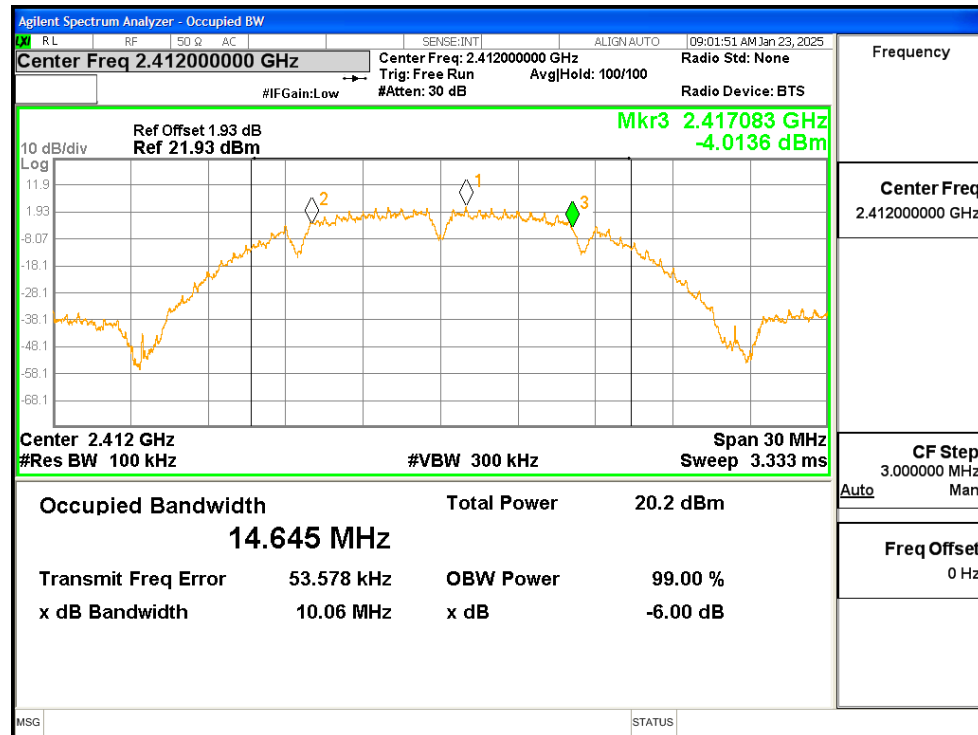
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	13.97	30	Pass
NVNT	b	2437	Ant1	15.35	30	Pass
NVNT	b	2462	Ant1	15.31	30	Pass
NVNT	g	2412	Ant1	12.84	30	Pass
NVNT	g	2437	Ant1	14.8	30	Pass
NVNT	g	2462	Ant1	15.14	30	Pass
NVNT	n20	2412	Ant1	15.79	30	Pass
NVNT	n20	2437	Ant1	17.36	30	Pass
NVNT	n20	2462	Ant1	17.4	30	Pass
NVNT	n40	2422	Ant1	15.11	30	Pass
NVNT	n40	2437	Ant1	16.33	30	Pass
NVNT	n40	2452	Ant1	16.26	30	Pass

-6dB Bandwidth

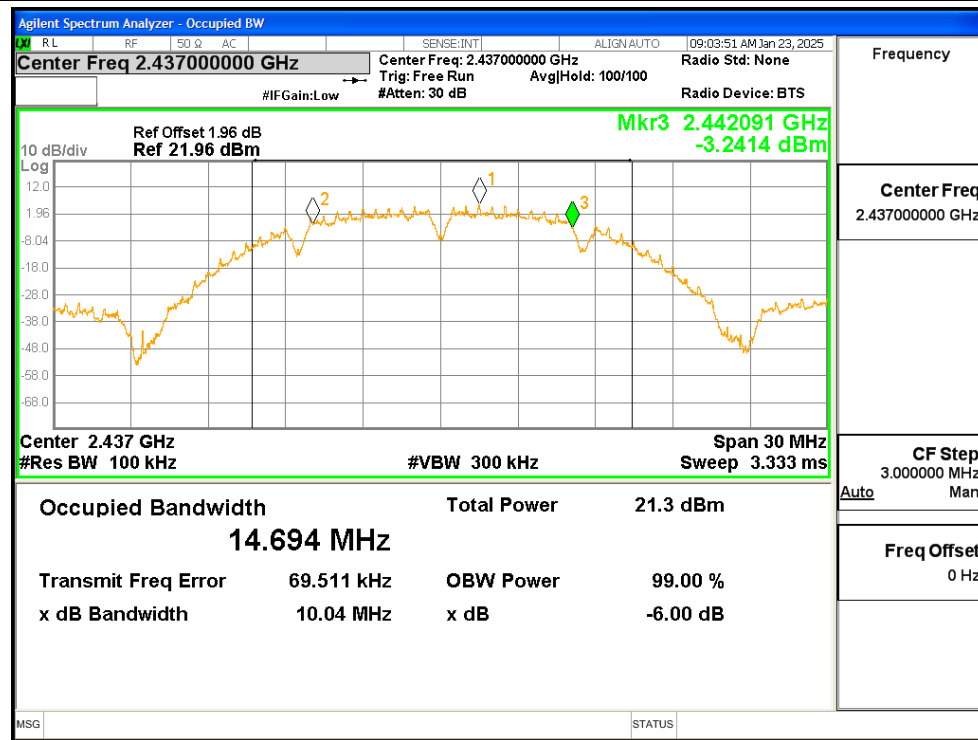
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10.058	0.5	Pass
		2437		10.043	0.5	Pass
		2462		10.073	0.5	Pass
	g	2412		13.755	0.5	Pass
		2437		15.032	0.5	Pass
		2462		15.671	0.5	Pass
	n20	2412		15.105	0.5	Pass
		2437		15.656	0.5	Pass
		2462		15.078	0.5	Pass
	n40	2422		35.078	0.5	Pass
		2437		35.095	0.5	Pass
		2452		33.847	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1

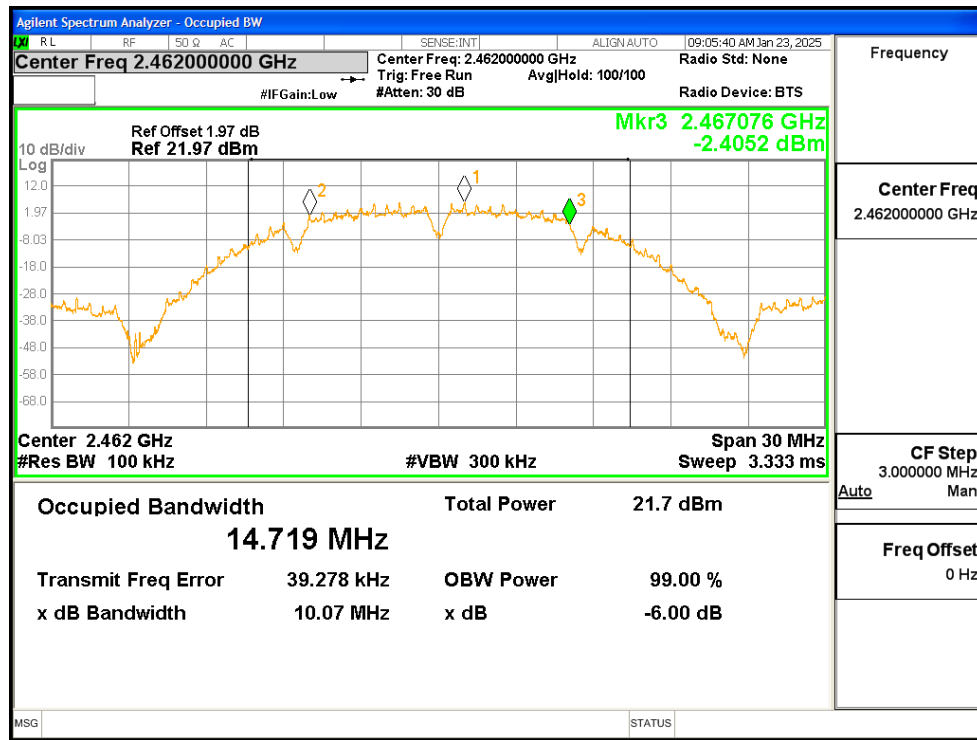


-6dB Bandwidth NVNT b 2437MHz Ant1

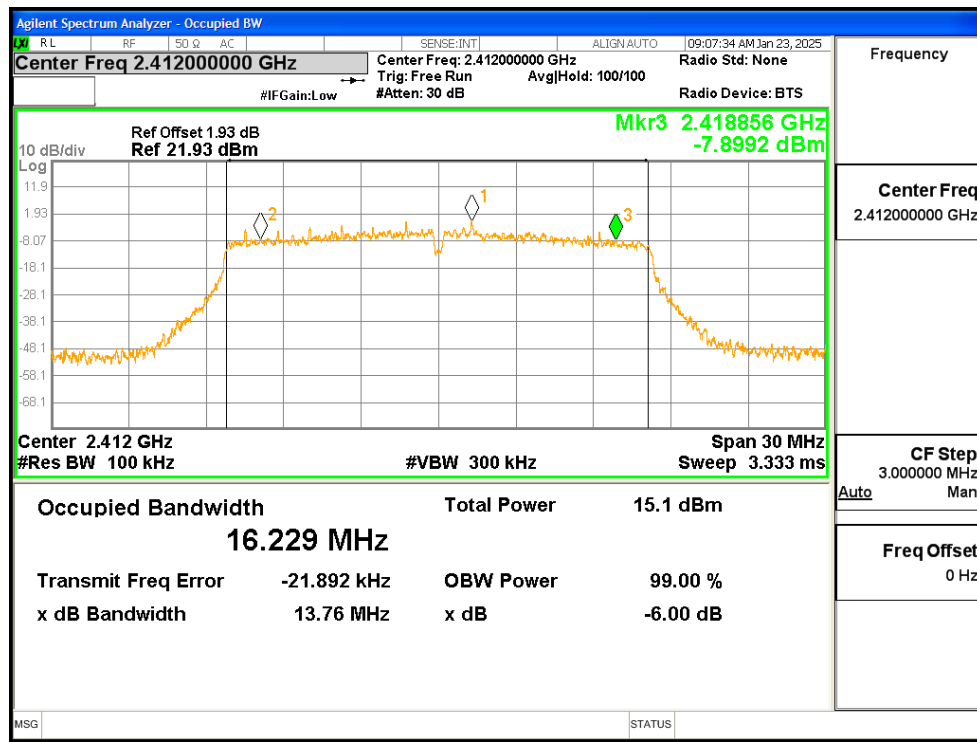


GTSL2025020051F03 2.4G WiFi

-6dB Bandwidth NVNT b 2462MHz Ant1

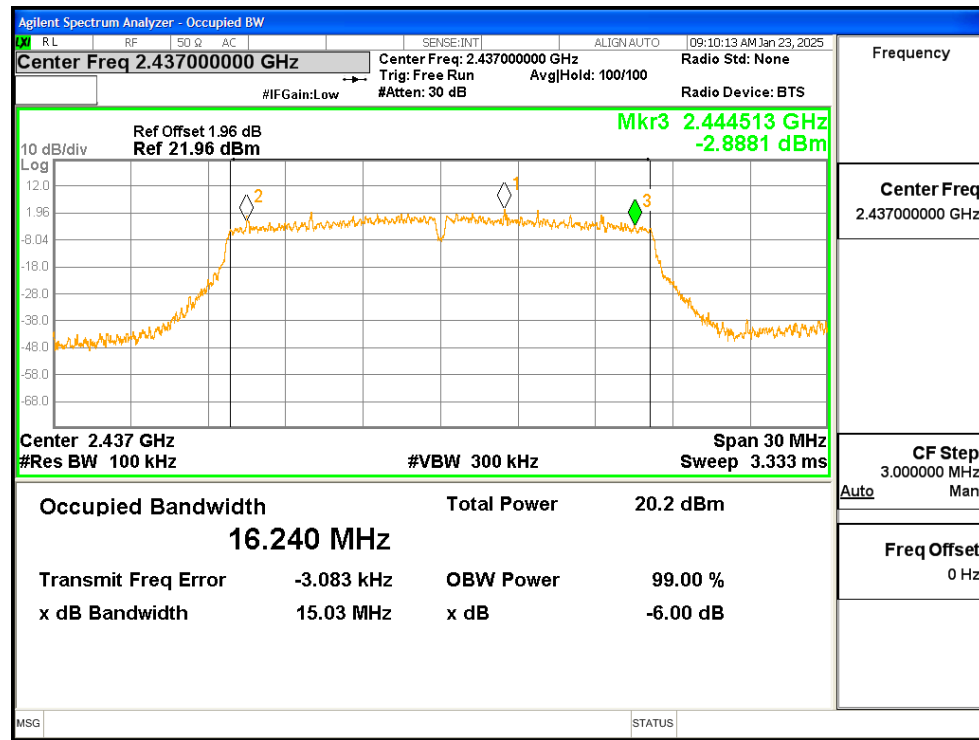


-6dB Bandwidth NVNT g 2412MHz Ant1

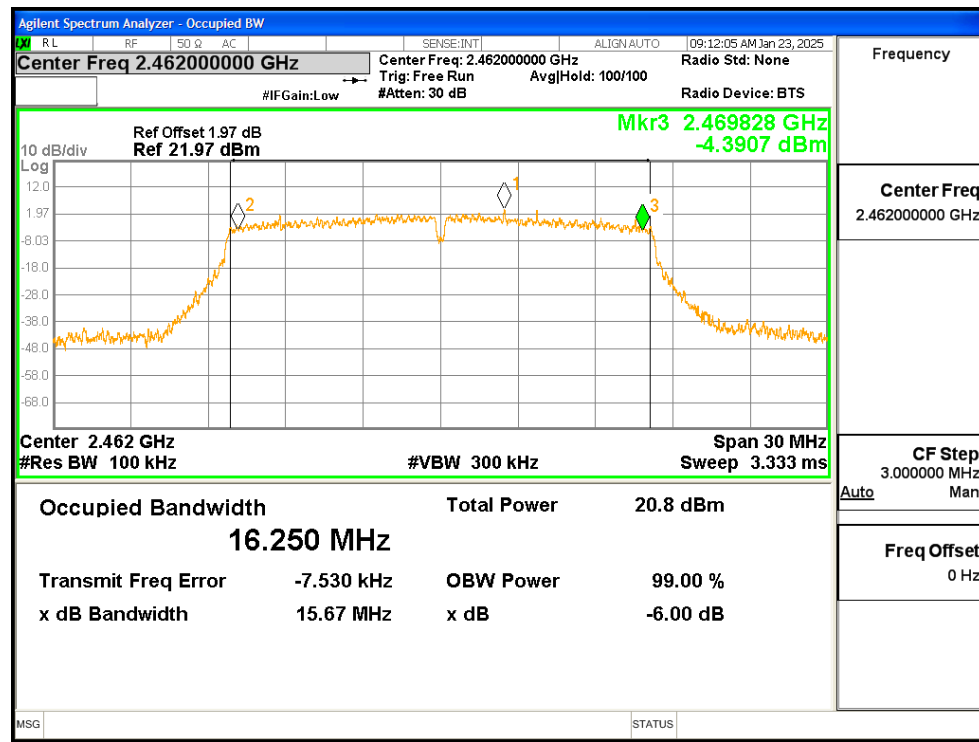


GTSL2025020051F03 2.4G WiFi

-6dB Bandwidth NVNT g 2437MHz Ant1

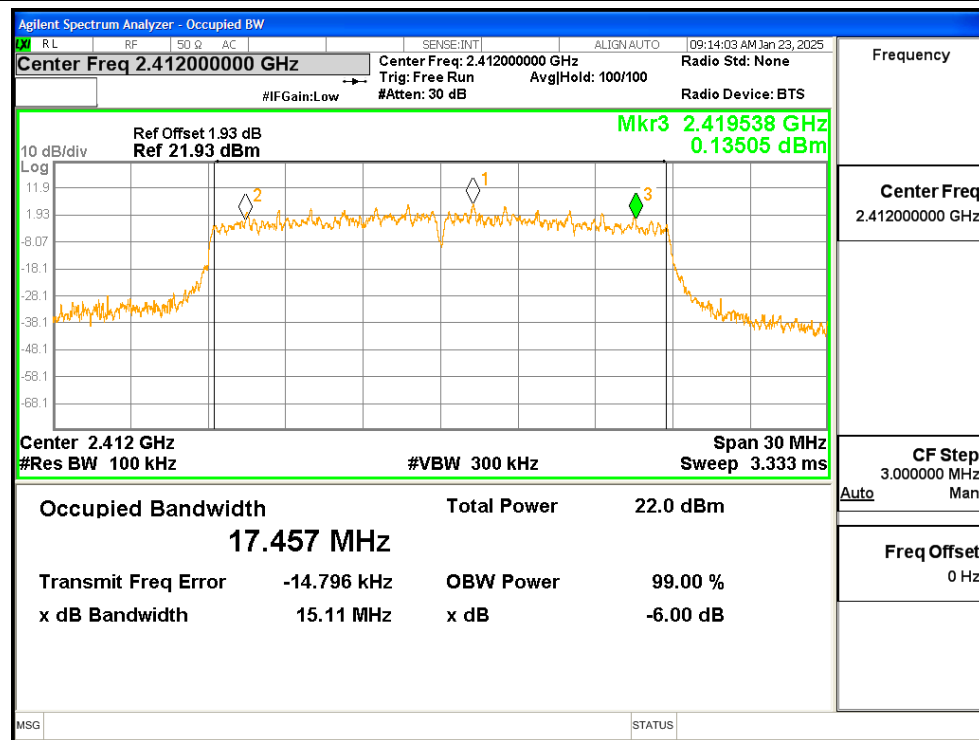


-6dB Bandwidth NVNT g 2462MHz Ant1

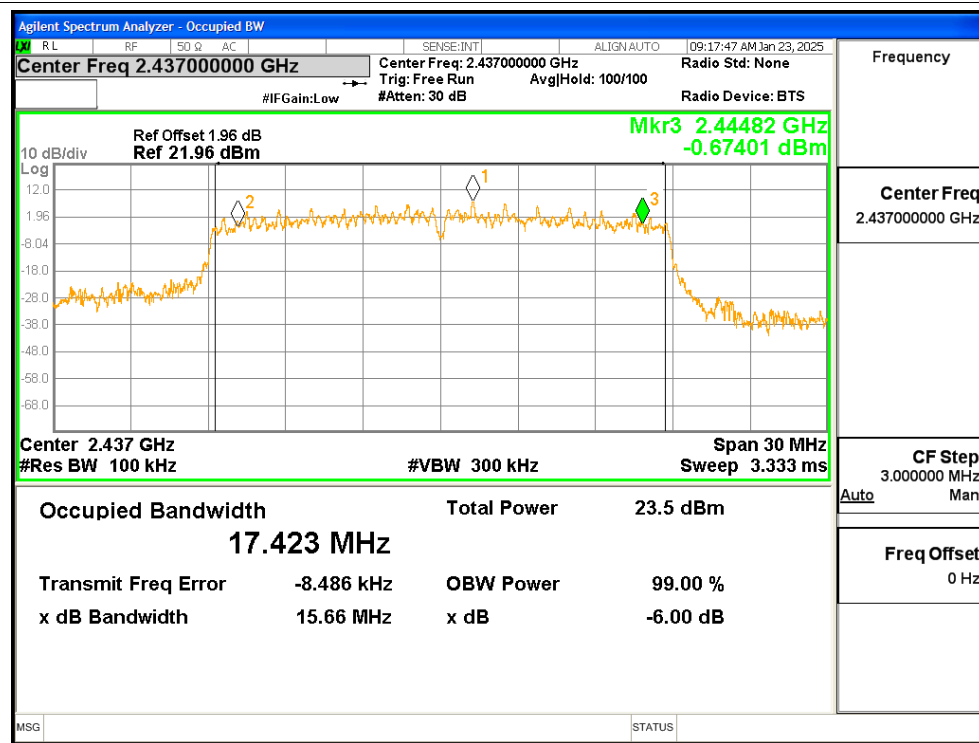


GTSL2025020051F03 2.4G WiFi

-6dB Bandwidth NVNT n20 2412MHz Ant1

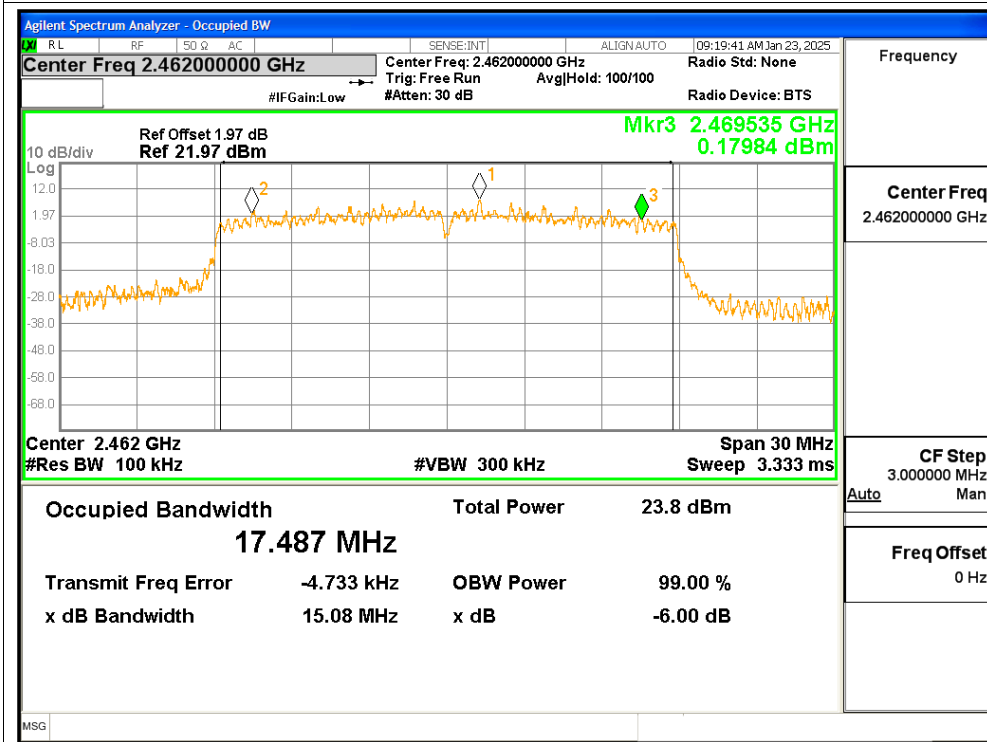


-6dB Bandwidth NVNT n20 2437MHz Ant1

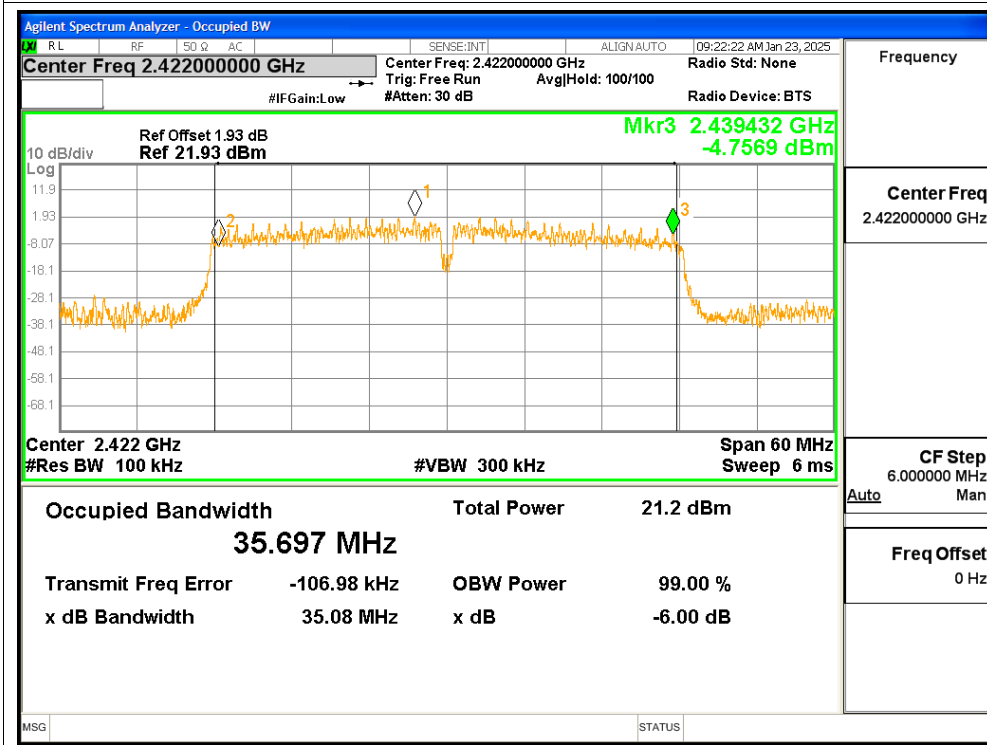


GTSL2025020051F03 2.4G WiFi

-6dB Bandwidth NVNT n20 2462MHz Ant1

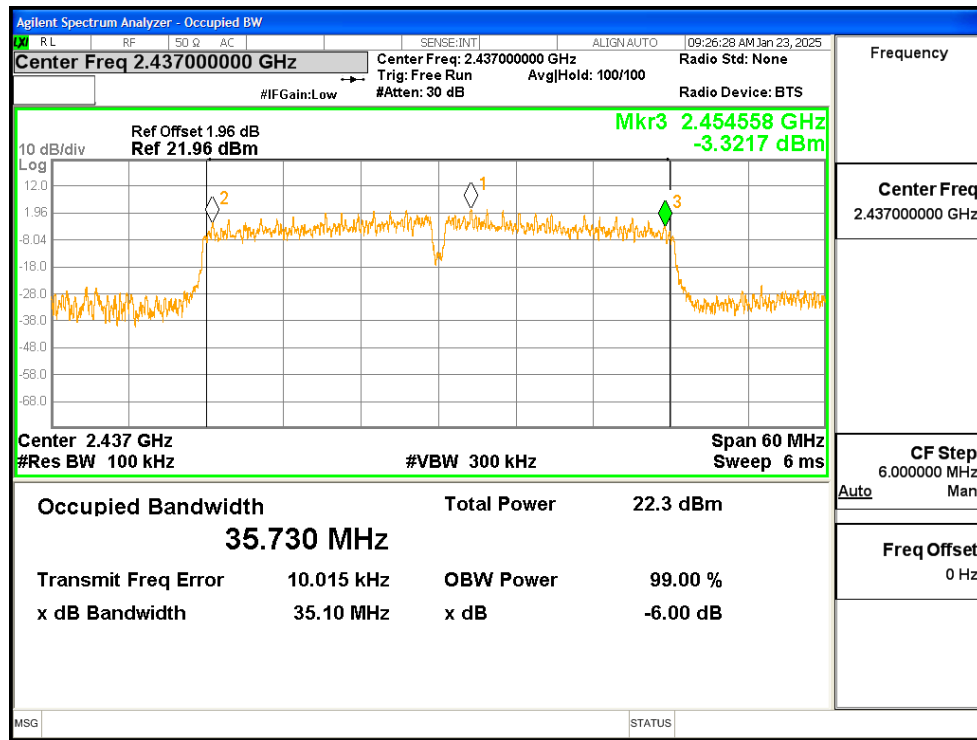


-6dB Bandwidth NVNT n40 2422MHz Ant1

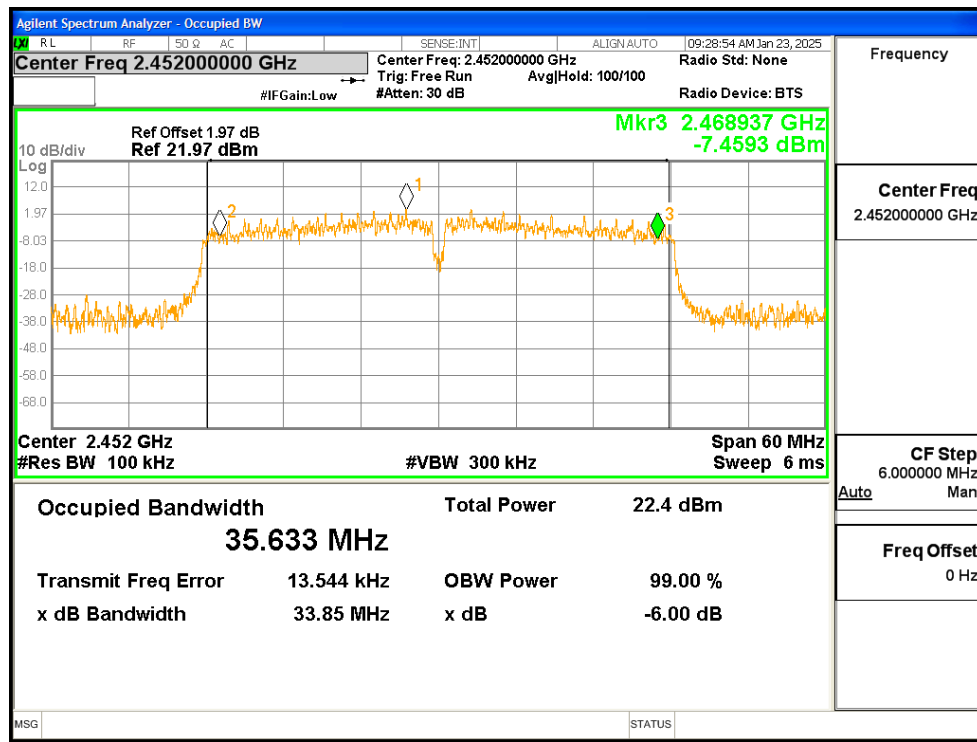


GTSL2025020051F03 2.4G WiFi

-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1

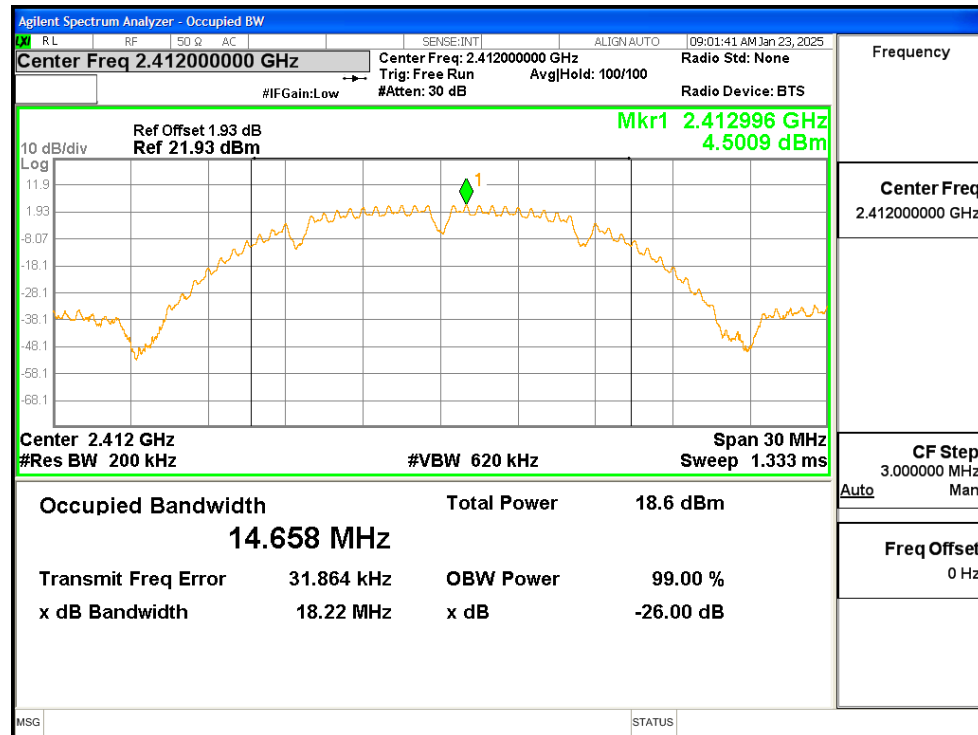


Occupied Channel Bandwidth

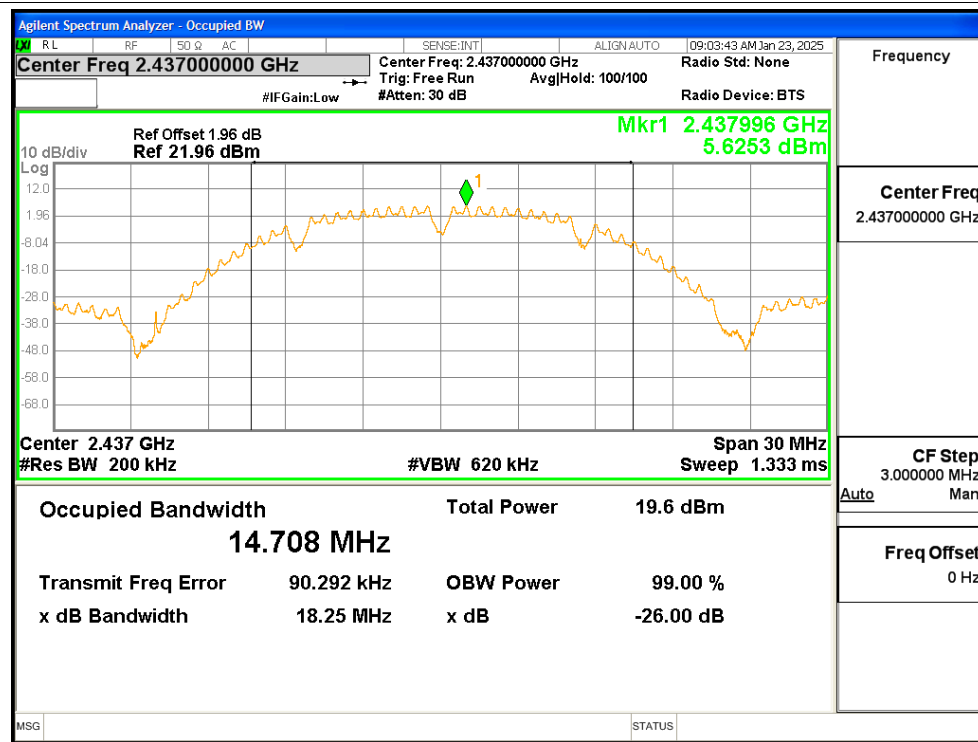
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.658
		2437		14.708
		2462		14.786
	g	2412		16.218
		2437		16.223
		2462		16.237
	n20	2412		17.421
		2437		17.451
		2462		17.503
	n40	2422		35.874
		2437		35.938
		2452		35.729

Test Graphs

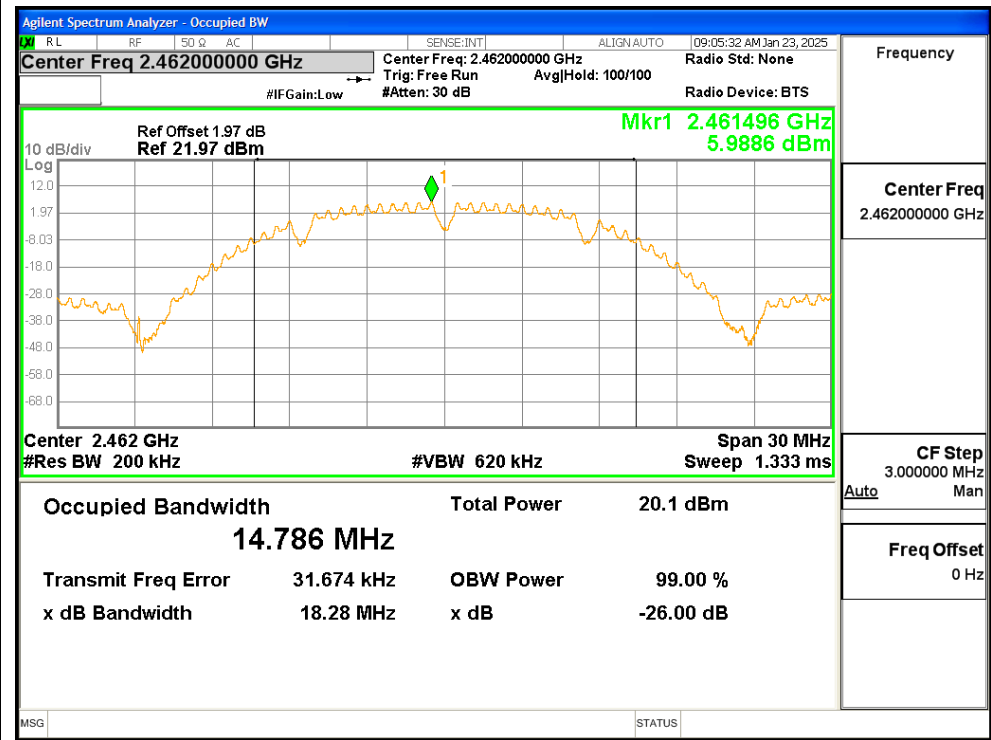
OBW NVNT b 2412MHz Ant1



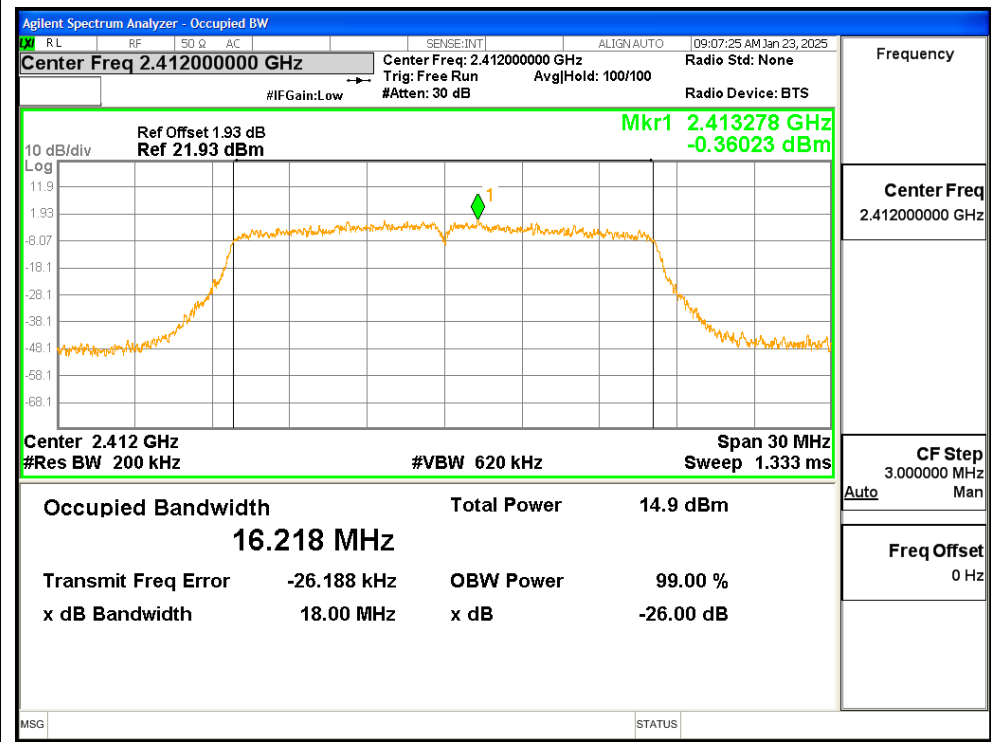
OBW NVNT b 2437MHz Ant1



OBW NVNT b 2462MHz Ant1

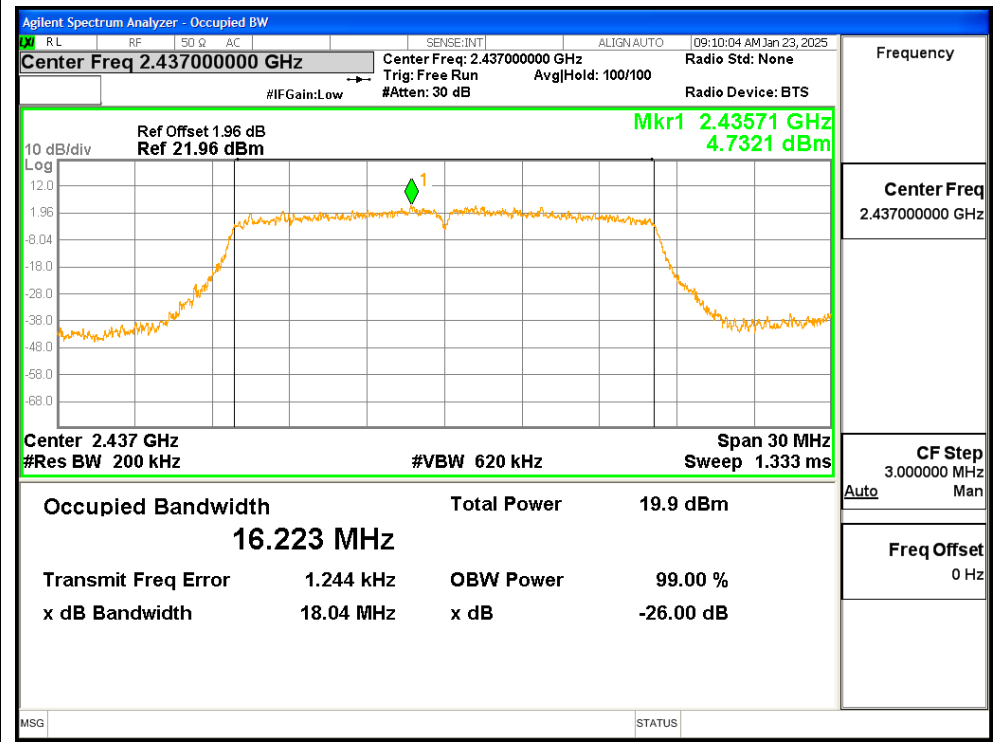


OBW NVNT g 2412MHz Ant1

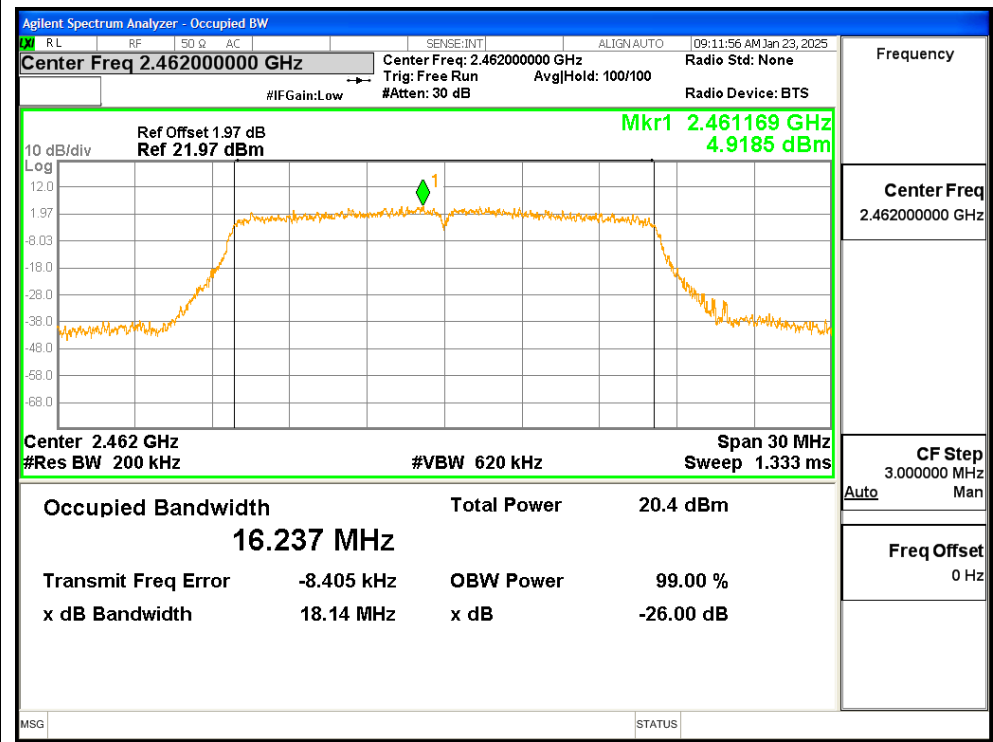


GTSL2025020051F03 2.4G WiFi

OBW NVNT g 2437MHz Ant1

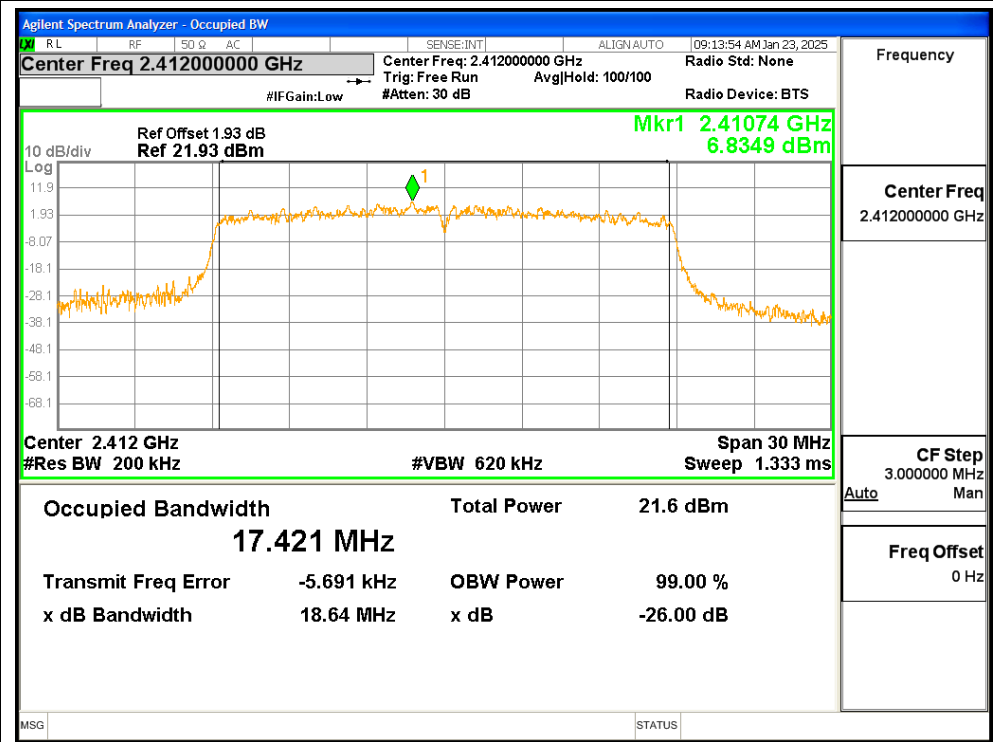


OBW NVNT g 2462MHz Ant1

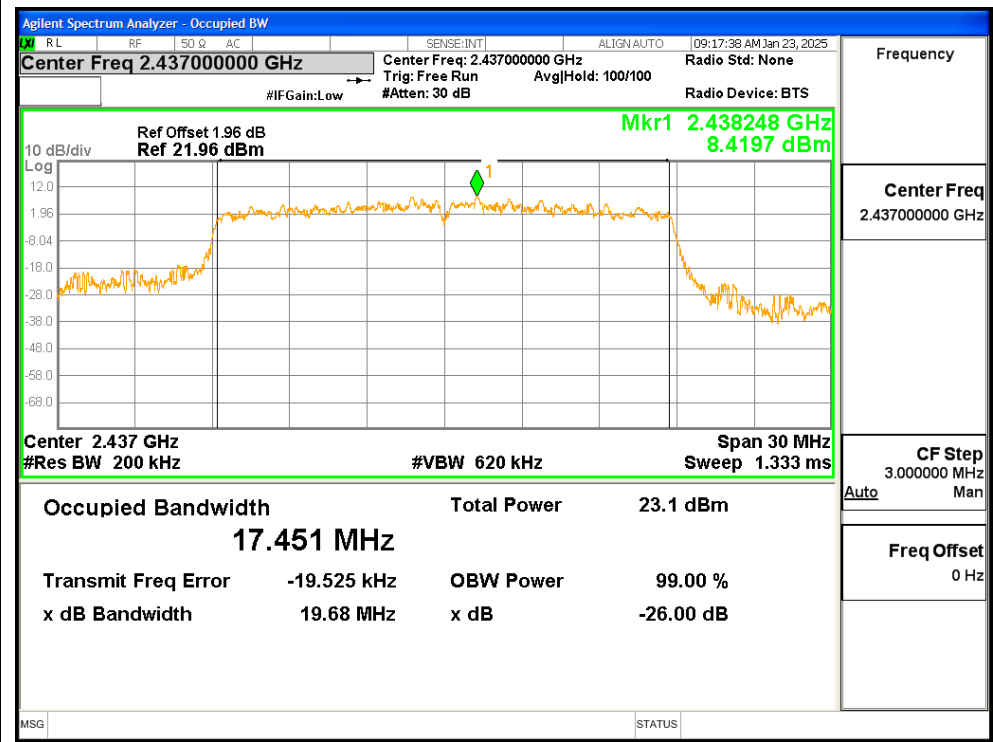


GTSL2025020051F03 2.4G WiFi

OBW NVNT n20 2412MHz Ant1

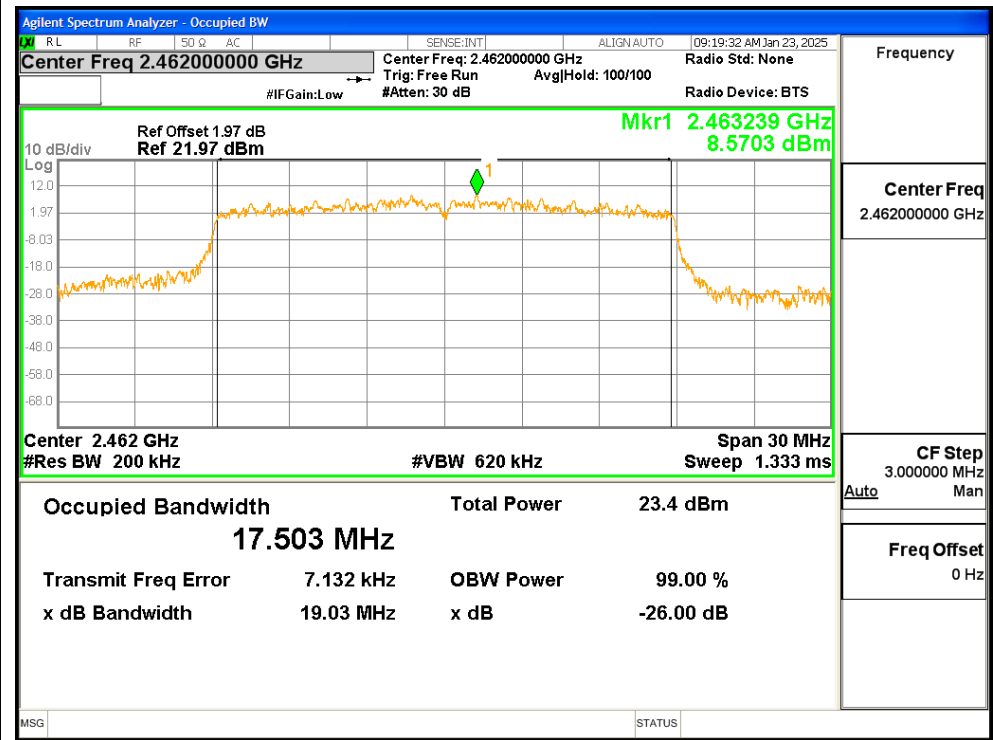


OBW NVNT n20 2437MHz Ant1

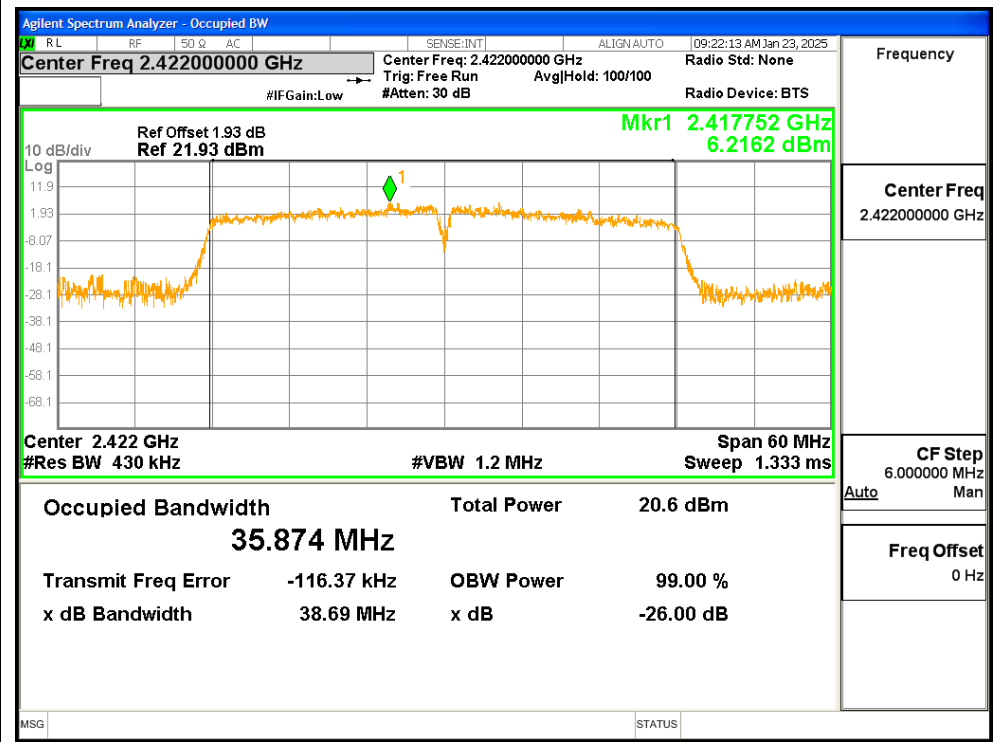


GTSL2025020051F03 2.4G WiFi

OBW NVNT n20 2462MHz Ant1

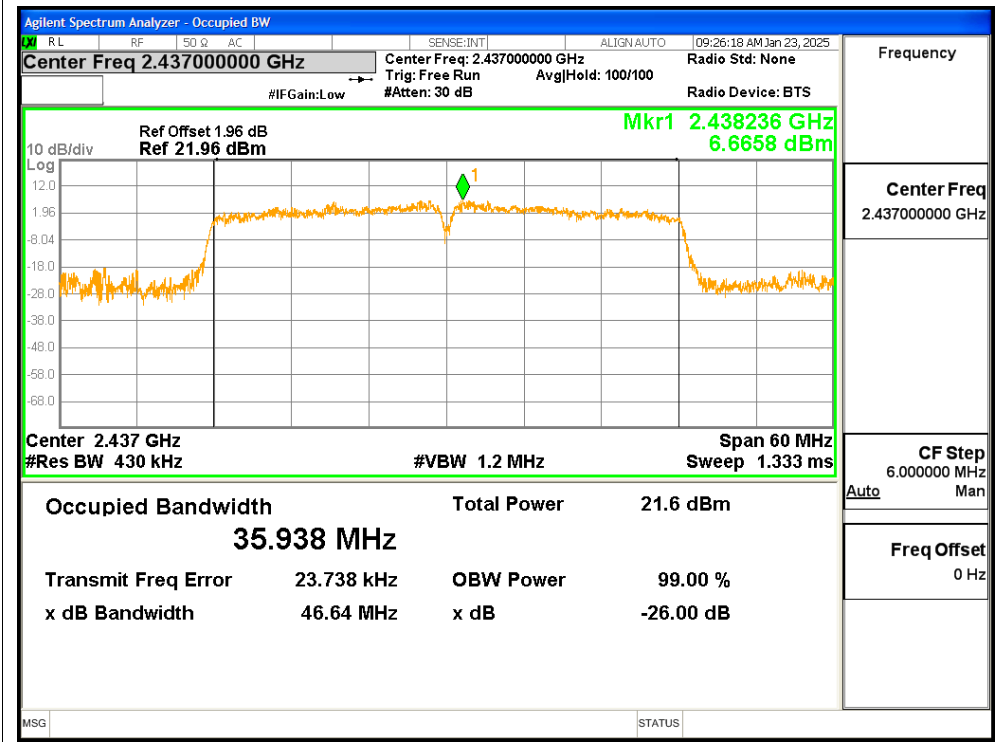


OBW NVNT n40 2422MHz Ant1

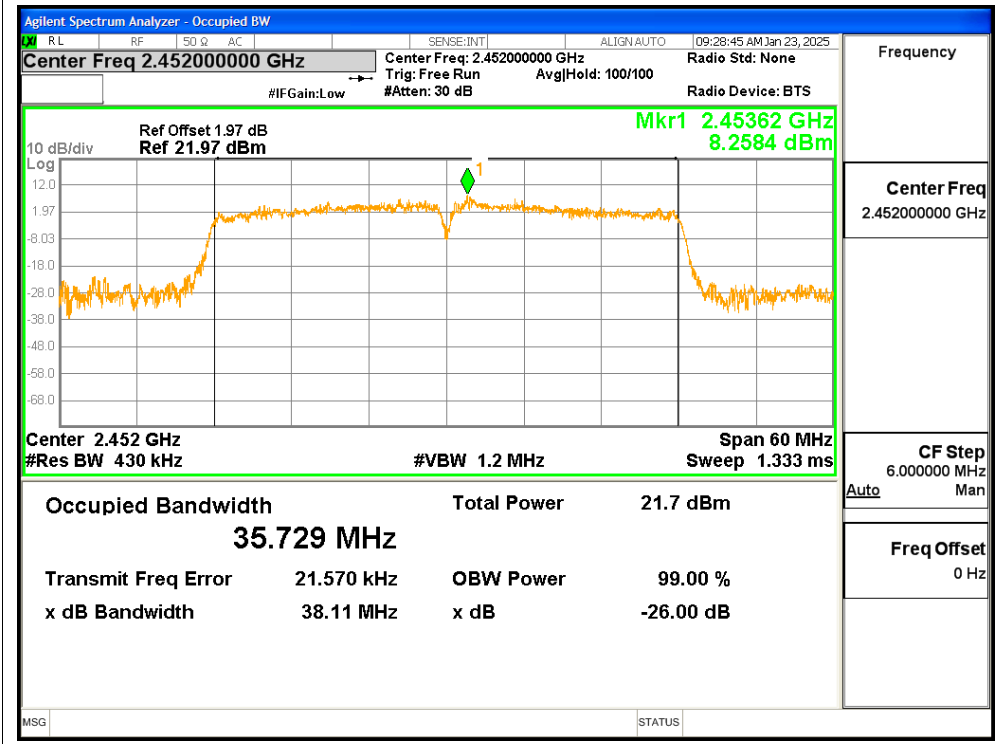


GTSL2025020051F03 2.4G WiFi

OBW NVNT n40 2437MHz Ant1



OBW NVNT n40 2452MHz Ant1

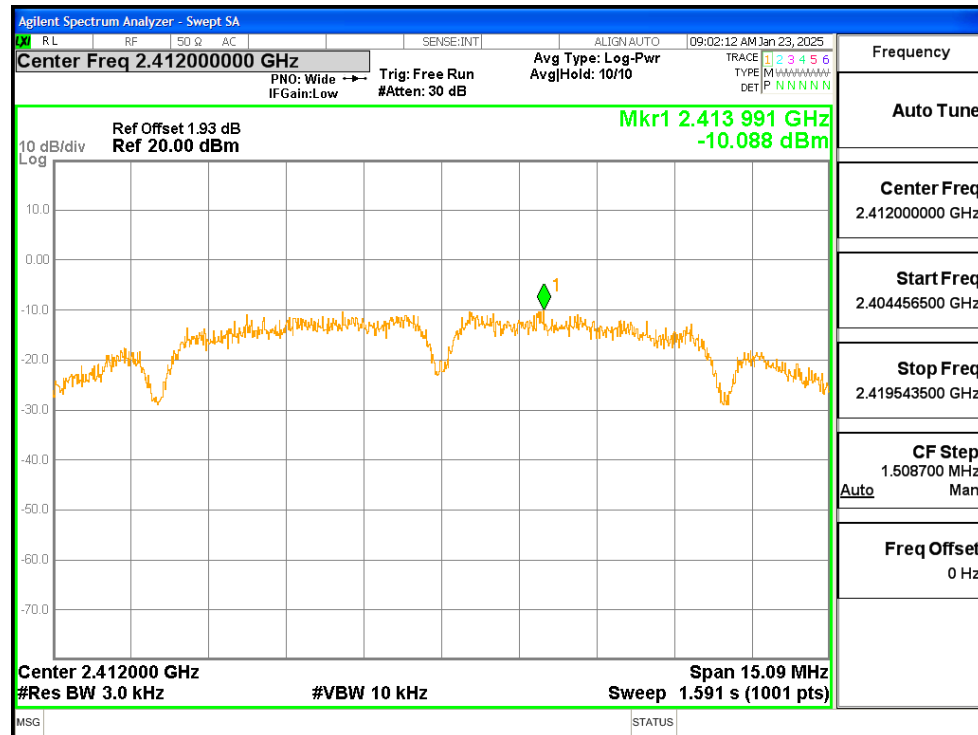


Maximum Power Spectral Density Level

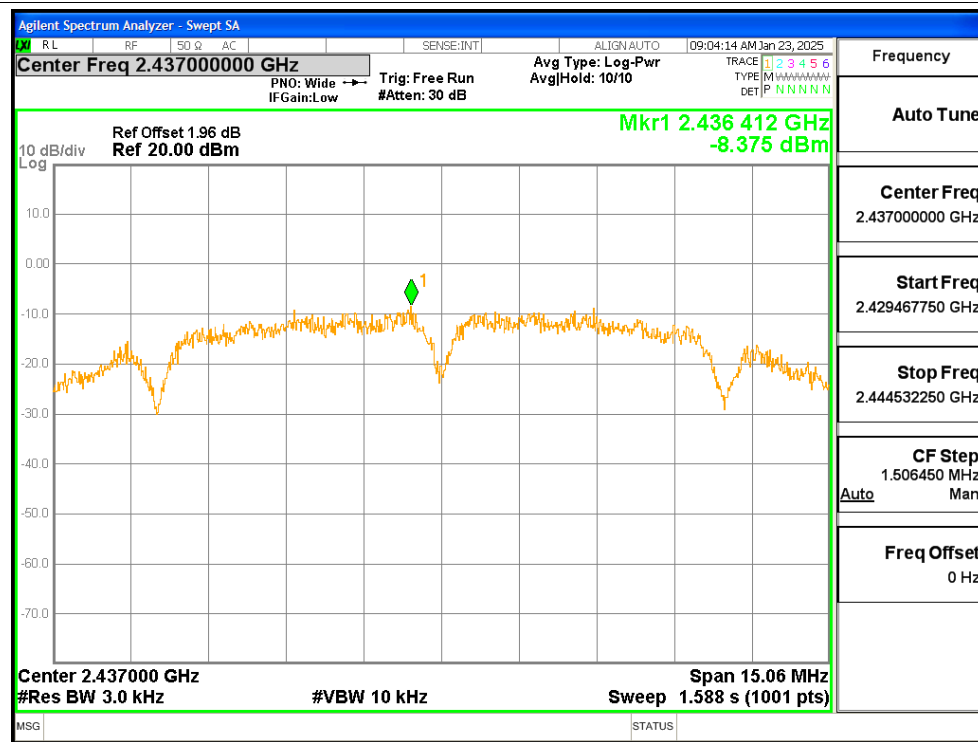
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-10.09	8	Pass
NVNT	b	2437	Ant1	-8.38	8	Pass
NVNT	b	2462	Ant1	-8.36	8	Pass
NVNT	g	2412	Ant1	-11.03	8	Pass
NVNT	g	2437	Ant1	-9.5	8	Pass
NVNT	g	2462	Ant1	-8.9	8	Pass
NVNT	n20	2412	Ant1	-9.6	8	Pass
NVNT	n20	2437	Ant1	-8.51	8	Pass
NVNT	n20	2462	Ant1	-7.74	8	Pass
NVNT	n40	2422	Ant1	-14.42	8	Pass
NVNT	n40	2437	Ant1	-13.05	8	Pass
NVNT	n40	2452	Ant1	-12.46	8	Pass

Test Graphs

PSD NVNT b 2412MHz Ant1

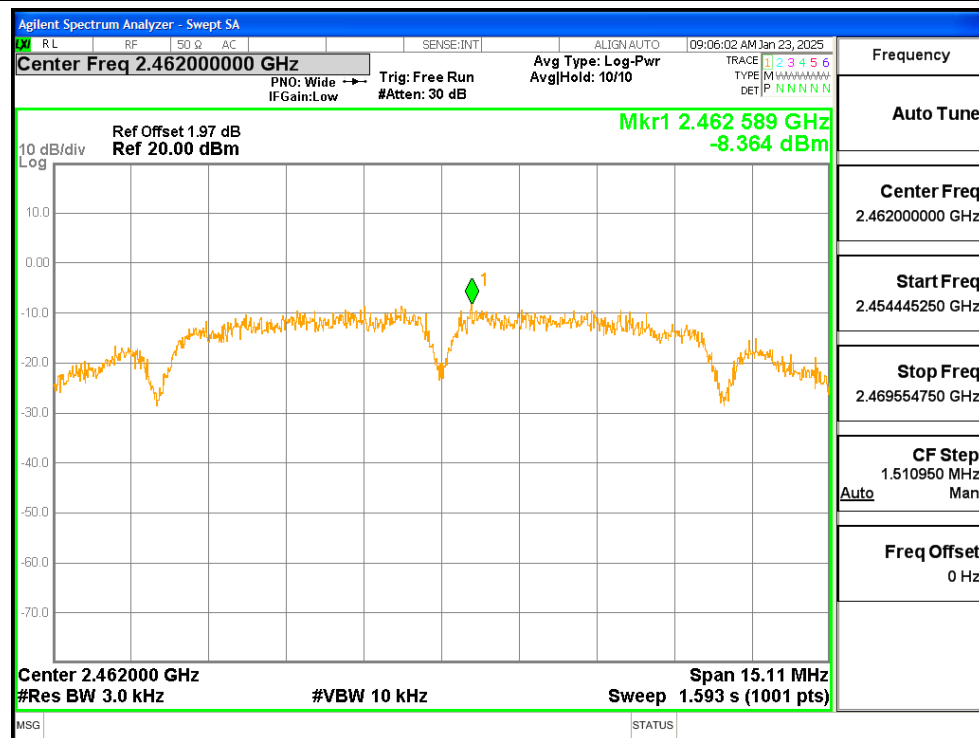


PSD NVNT b 2437MHz Ant1

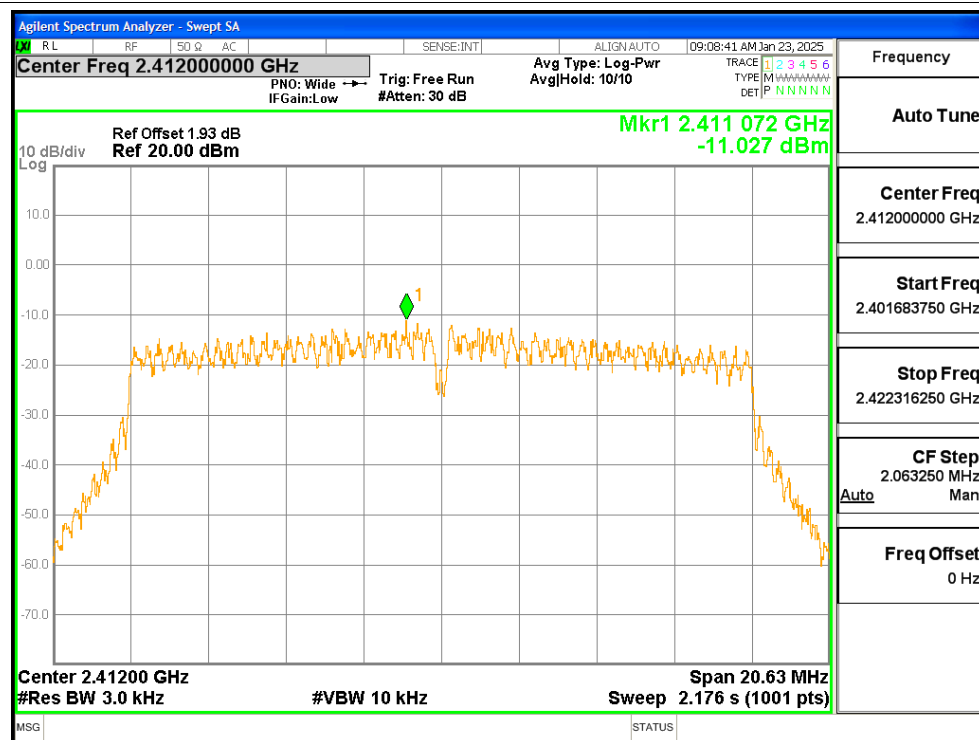


GTSL2025020051F03 2.4G WiFi

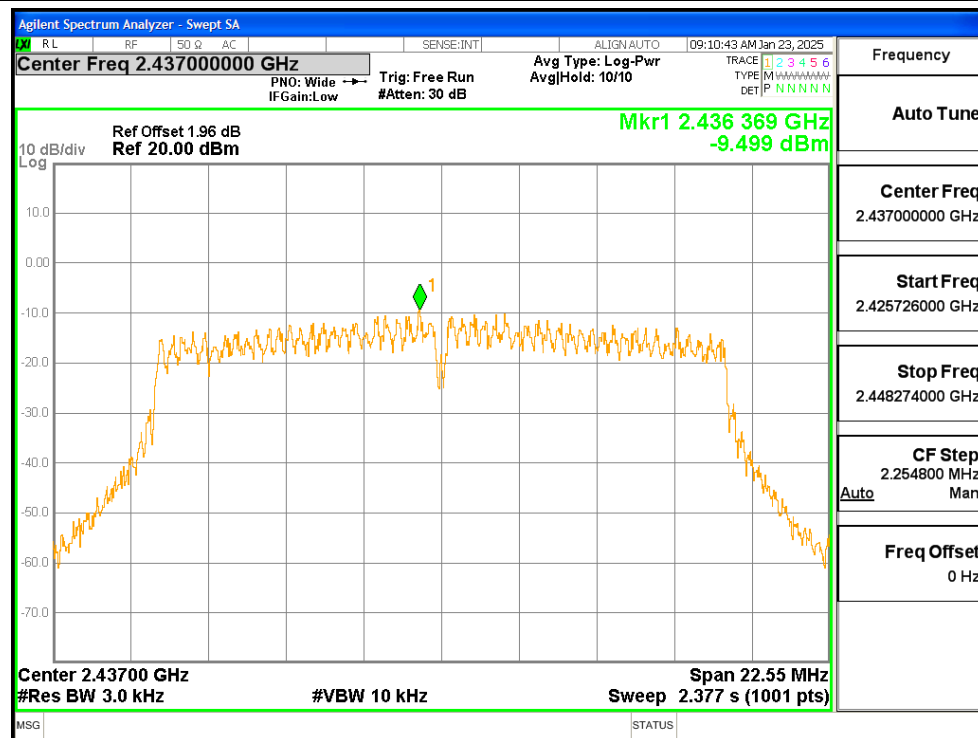
PSD NVNT b 2462MHz Ant1



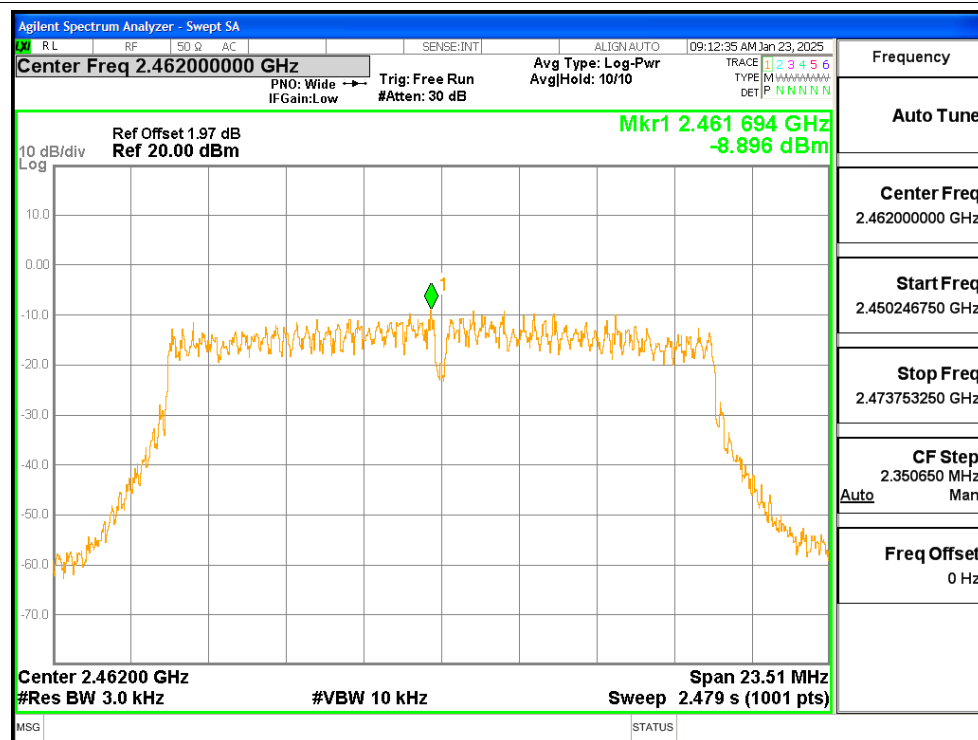
PSD NVNT g 2412MHz Ant1



PSD NVNT g 2437MHz Ant1

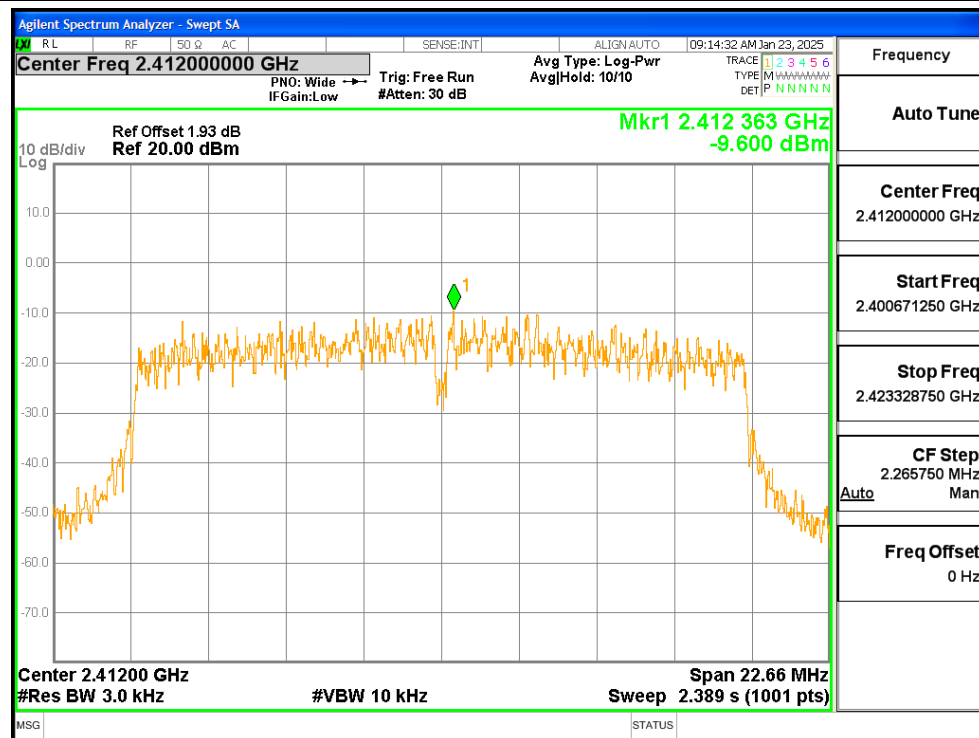


PSD NVNT g 2462MHz Ant1

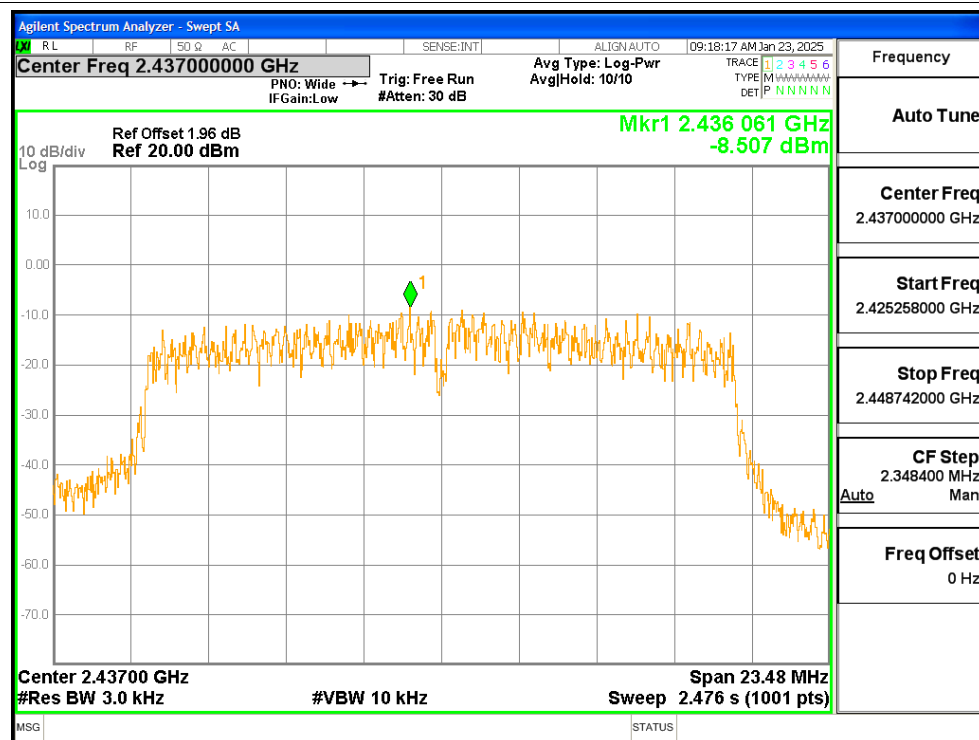


GTSL2025020051F03 2.4G WiFi

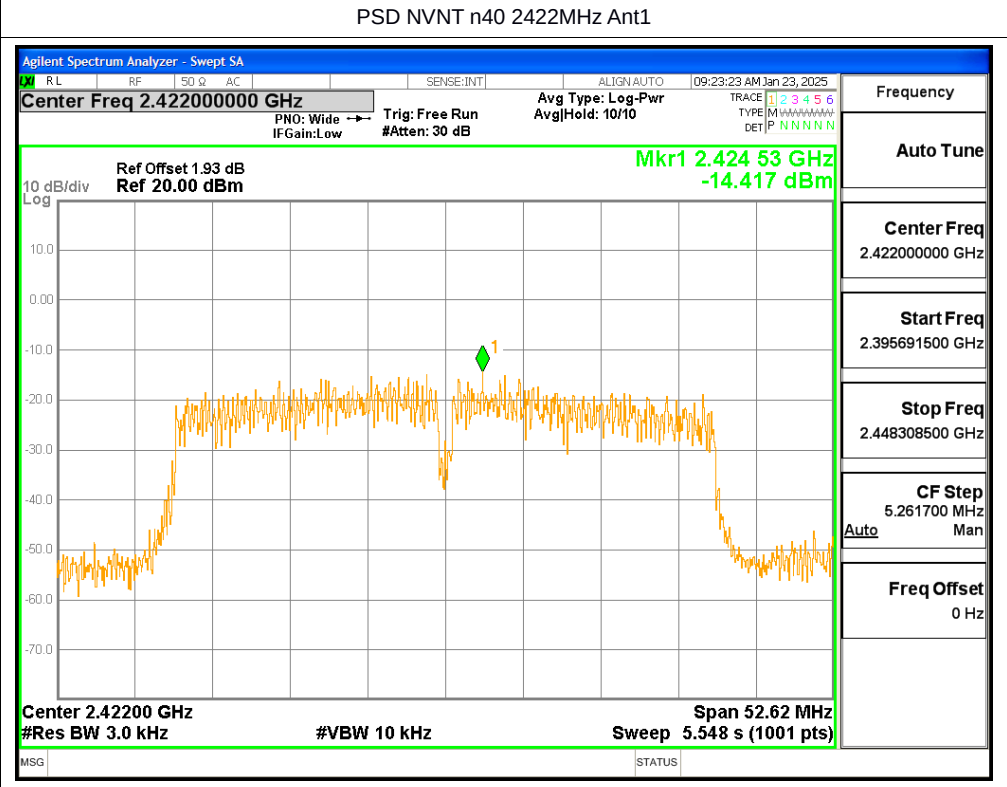
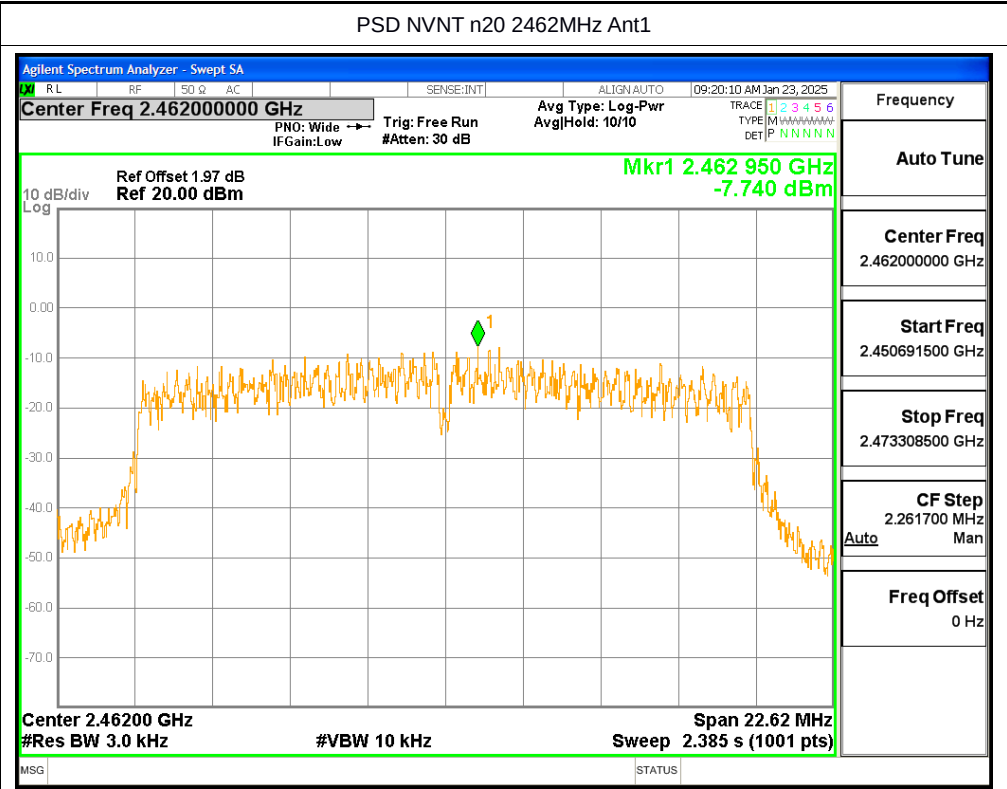
PSD NVNT n20 2412MHz Ant1



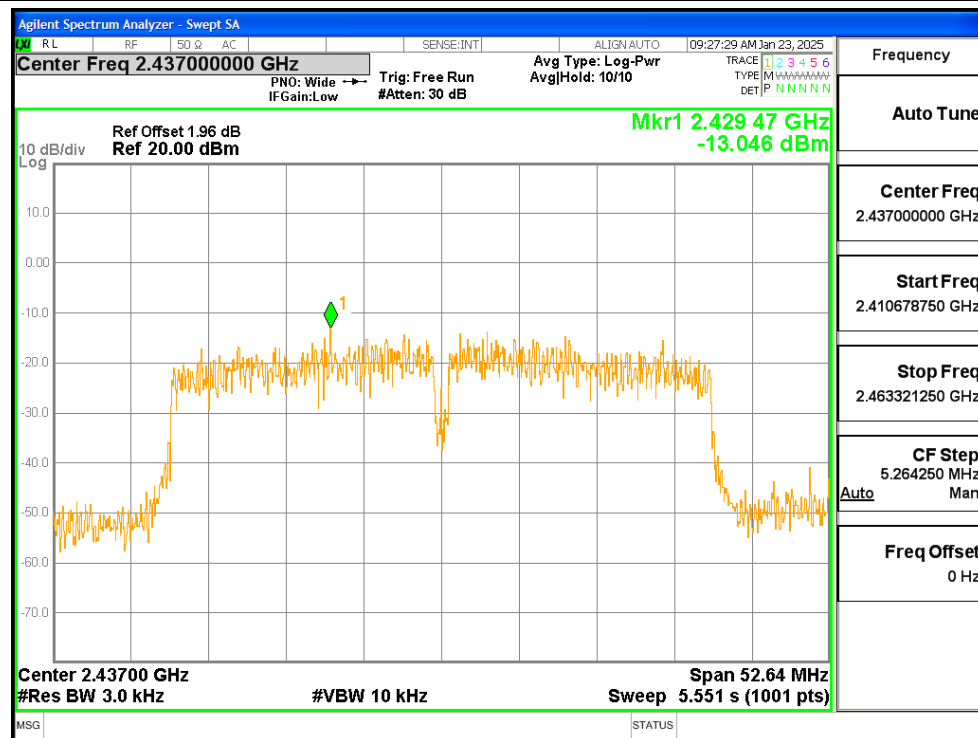
PSD NVNT n20 2437MHz Ant1



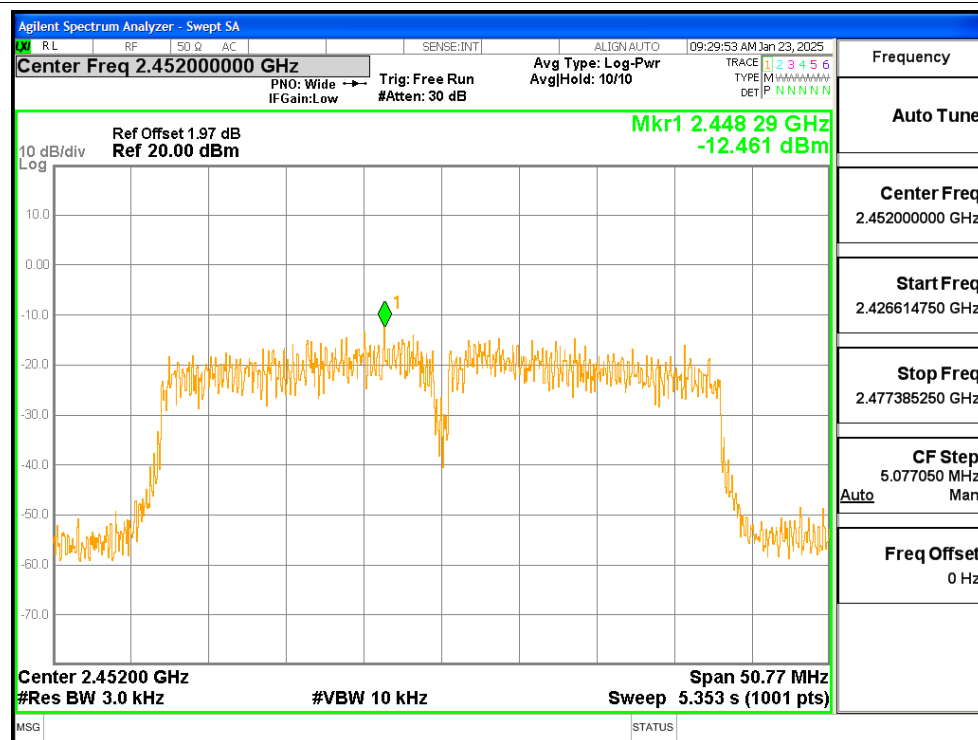
GTSL2025020051F03 2.4G WiFi



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1

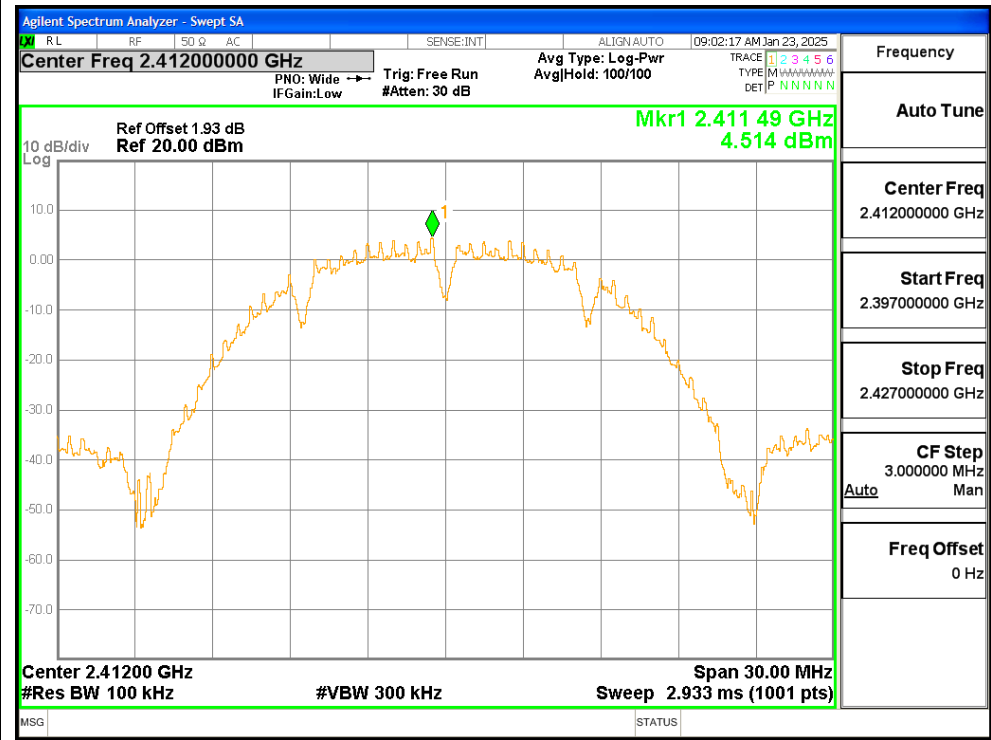


Band Edge

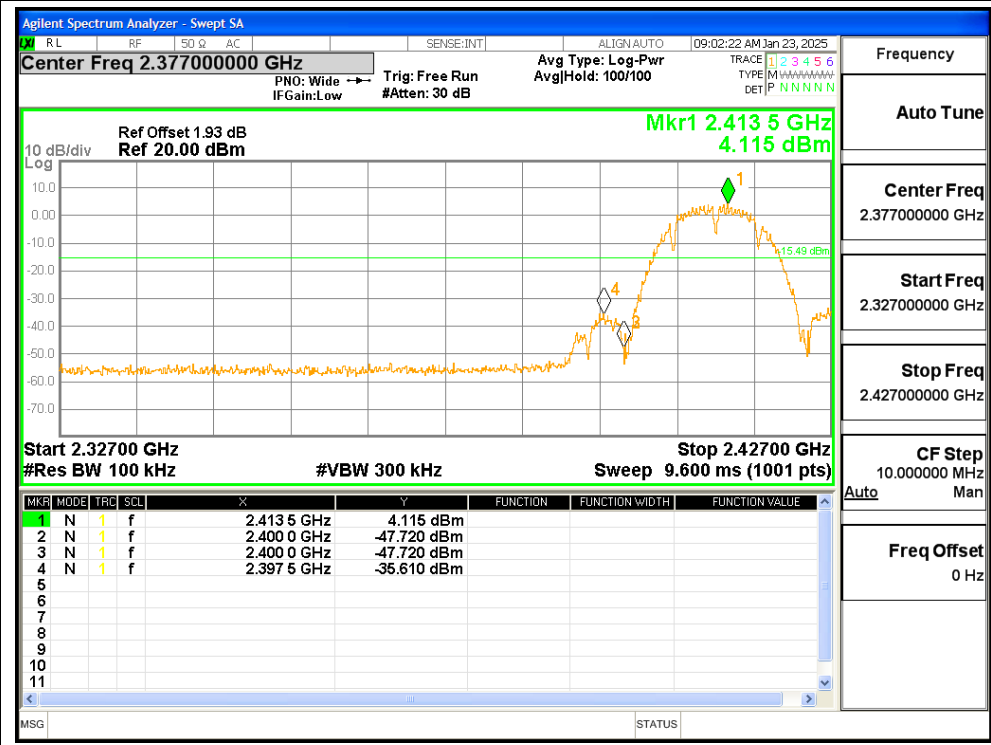
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-40.11	-20	Pass
		2462		-52.8	-20	Pass
	g	2412		-50.5	-20	Pass
		2462		-49.29	-20	Pass
	n20	2412		-33.62	-20	Pass
		2462		-38.12	-20	Pass
	n40	2422		-29.1	-20	Pass
		2452		-31.78	-20	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref

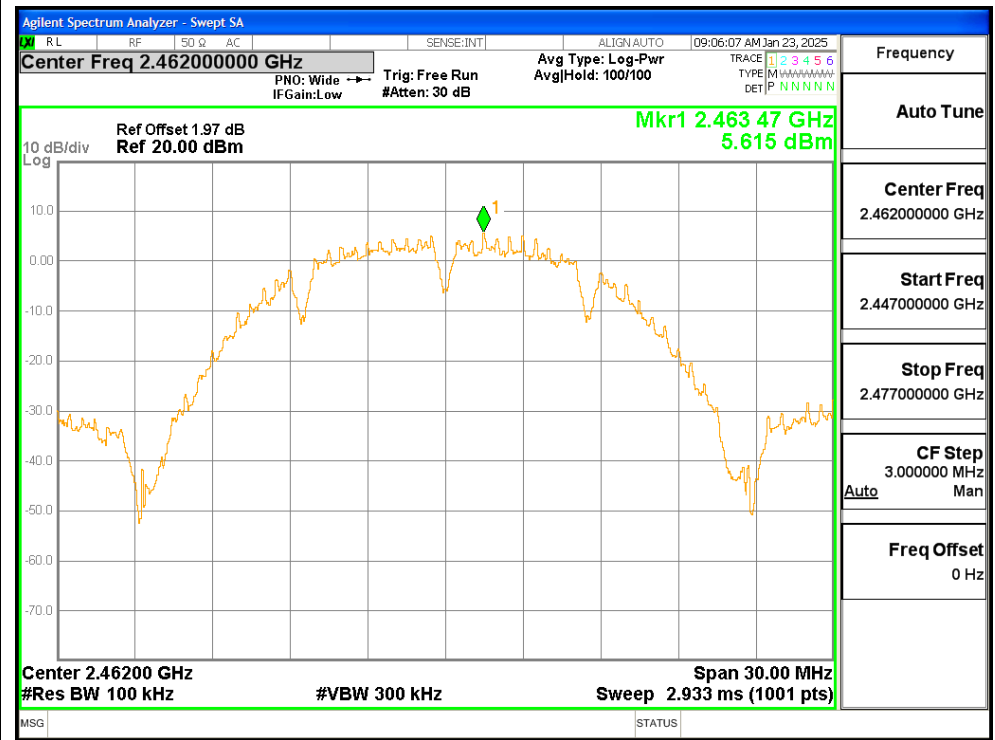


Band Edge NVNT b 2412MHz Ant1 Emission

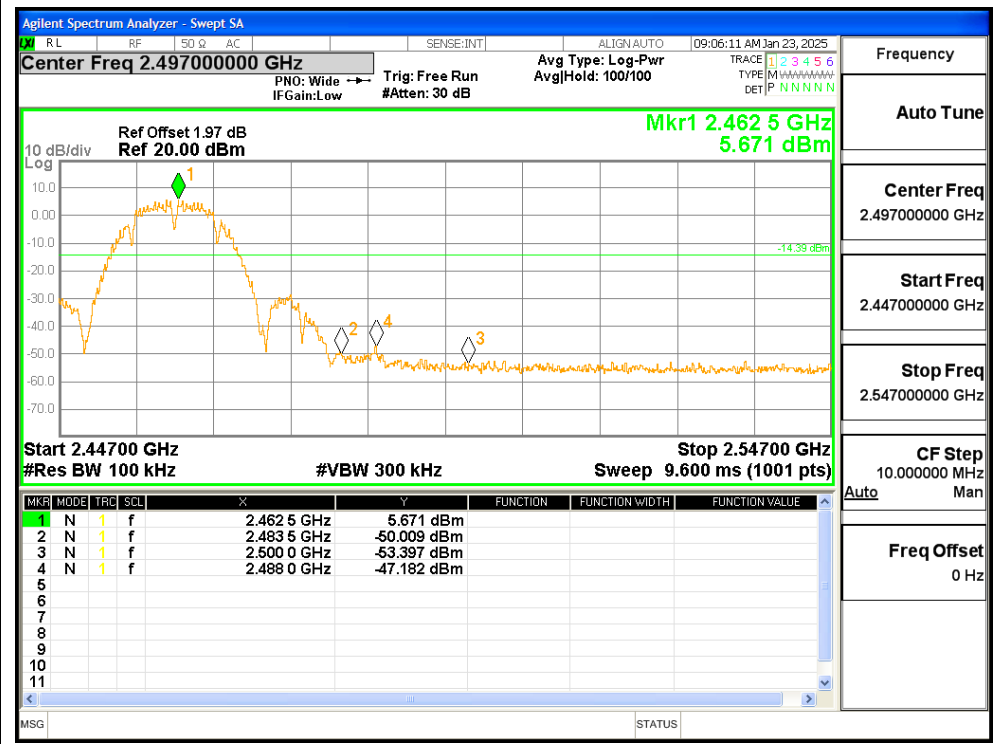


GTSL2025020051F03 2.4G WiFi

Band Edge NVNT b 2462MHz Ant1 Ref

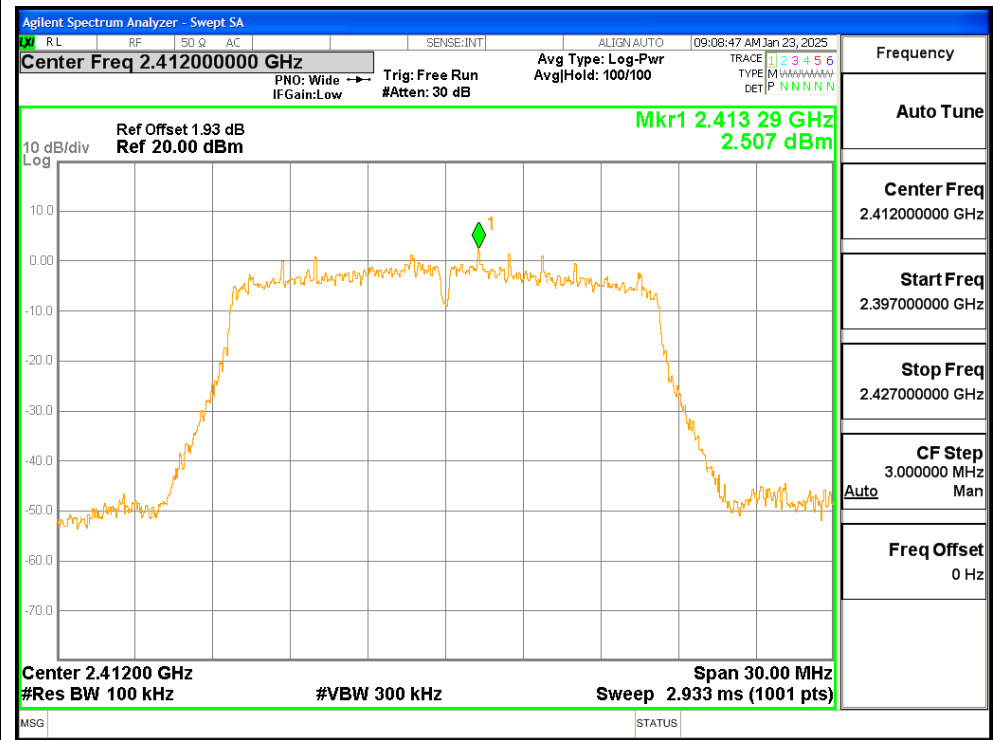


Band Edge NVNT b 2462MHz Ant1 Emission

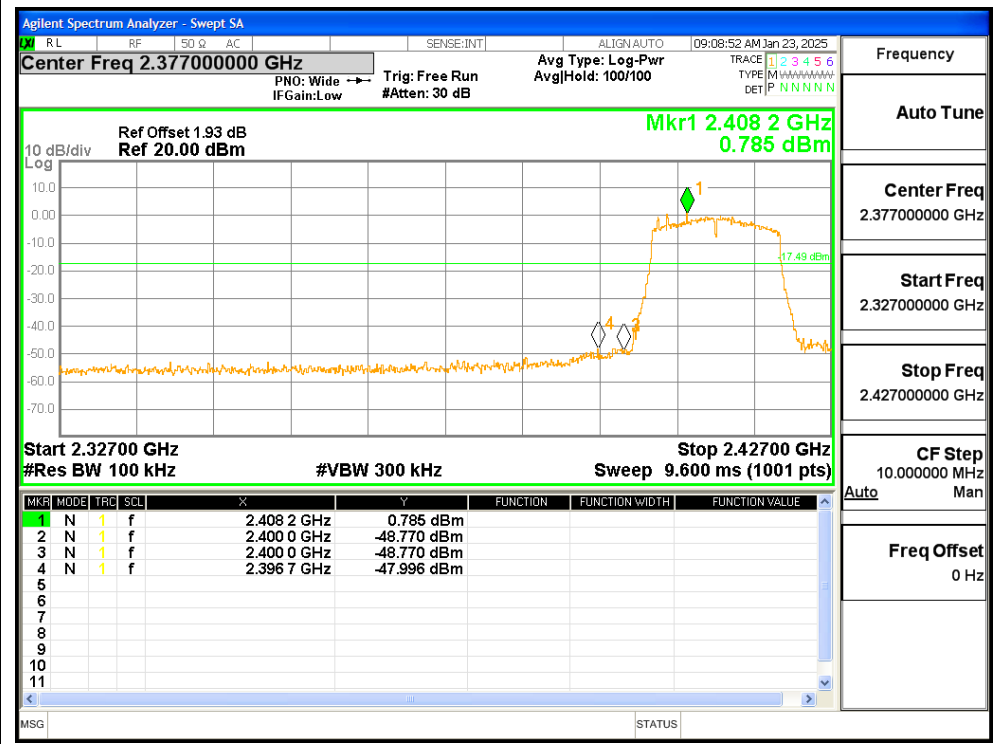


GTSL2025020051F03 2.4G WiFi

Band Edge NVNT g 2412MHz Ant1 Ref

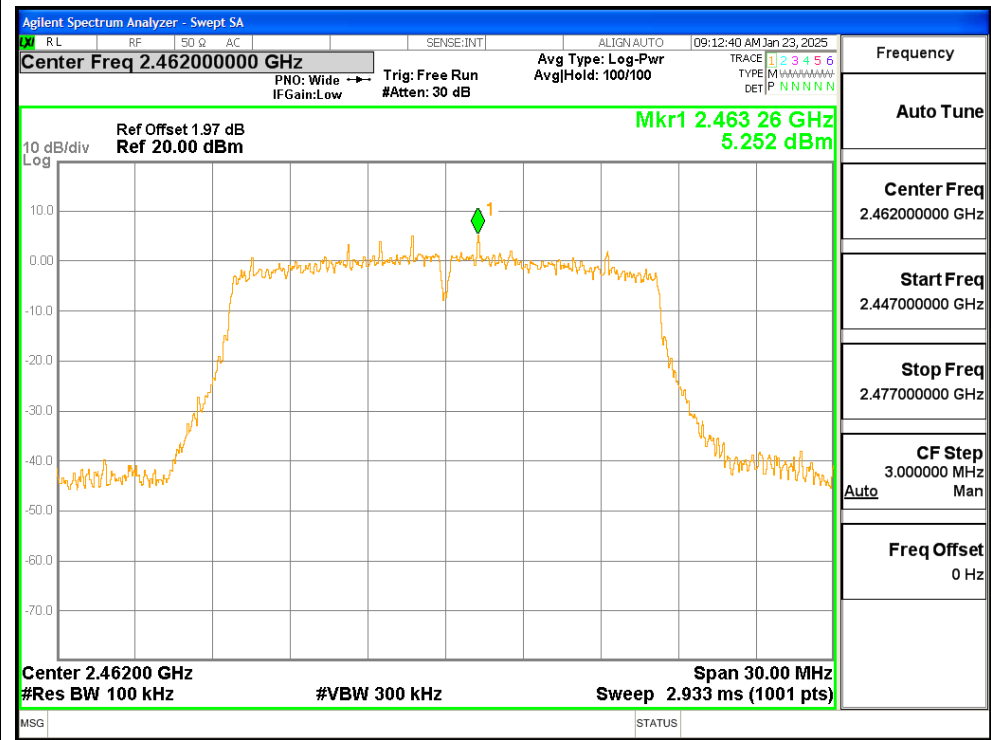


Band Edge NVNT g 2412MHz Ant1 Emission

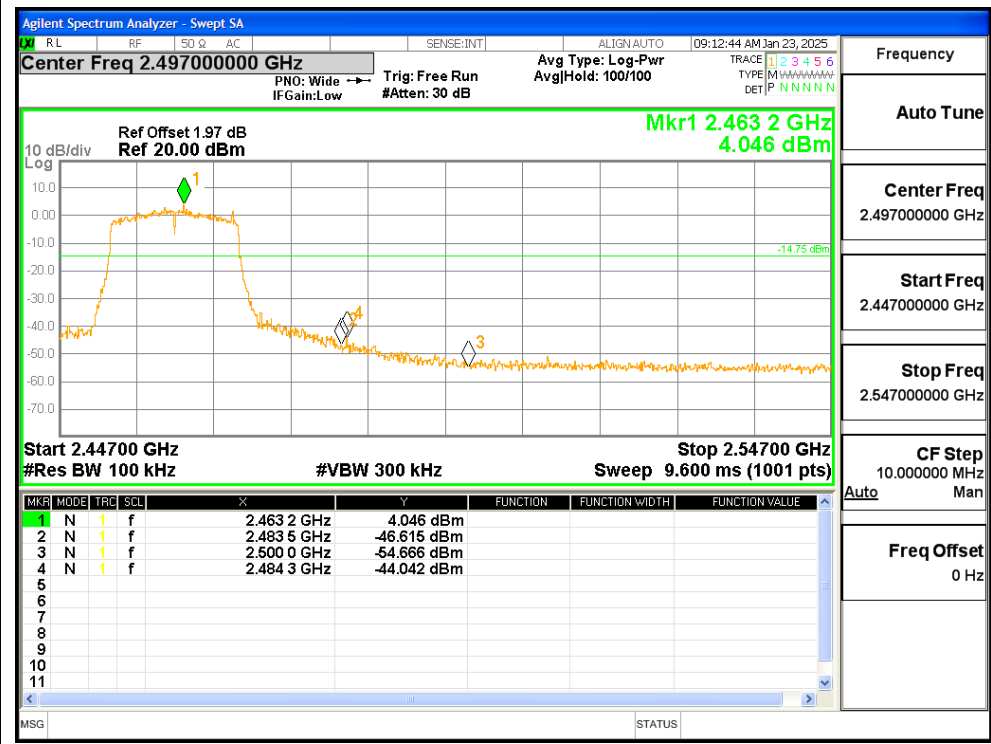


GTSL2025020051F03 2.4G WiFi

Band Edge NVNT g 2462MHz Ant1 Ref

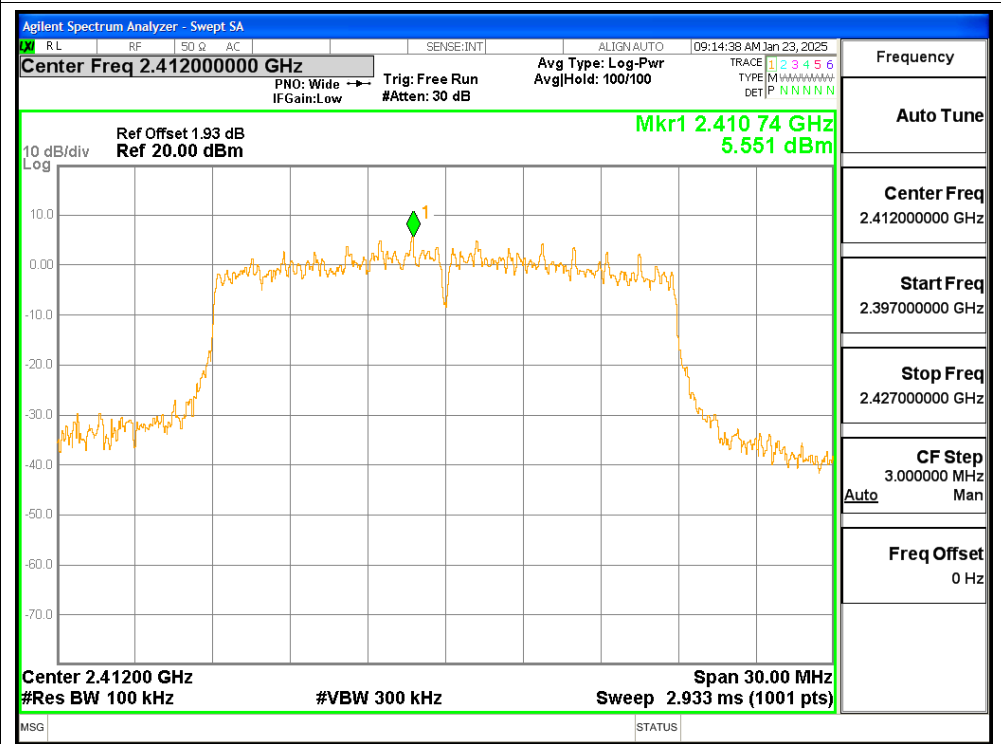


Band Edge NVNT g 2462MHz Ant1 Emission

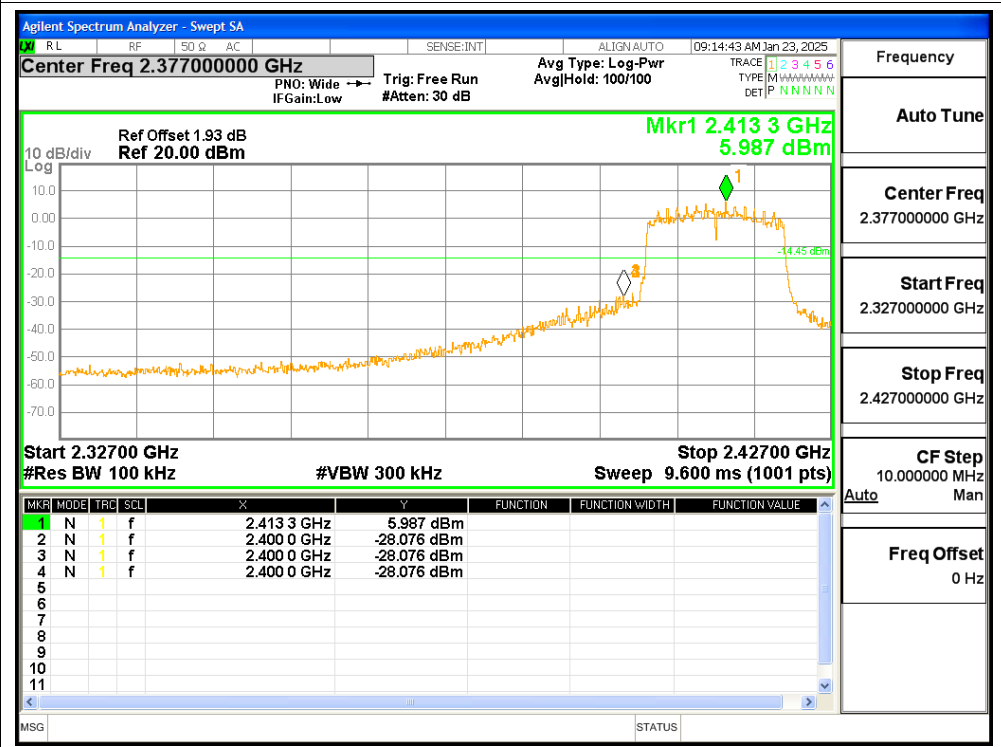


GTSL2025020051F03 2.4G WiFi

Band Edge NVNT n20 2412MHz Ant1 Ref

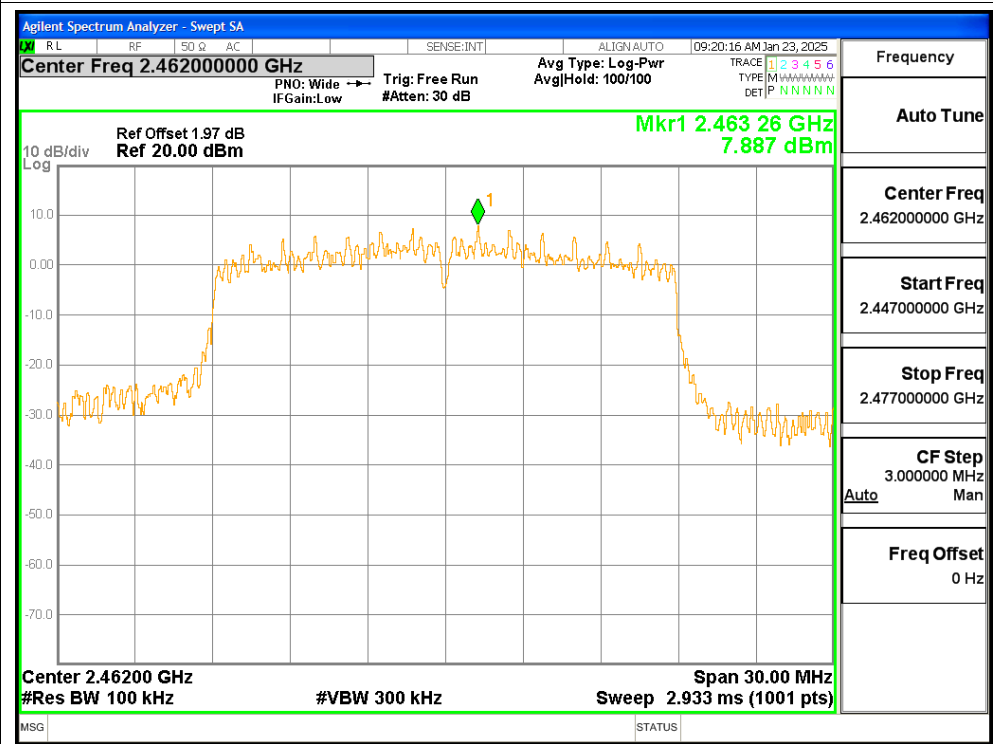


Band Edge NVNT n20 2412MHz Ant1 Emission

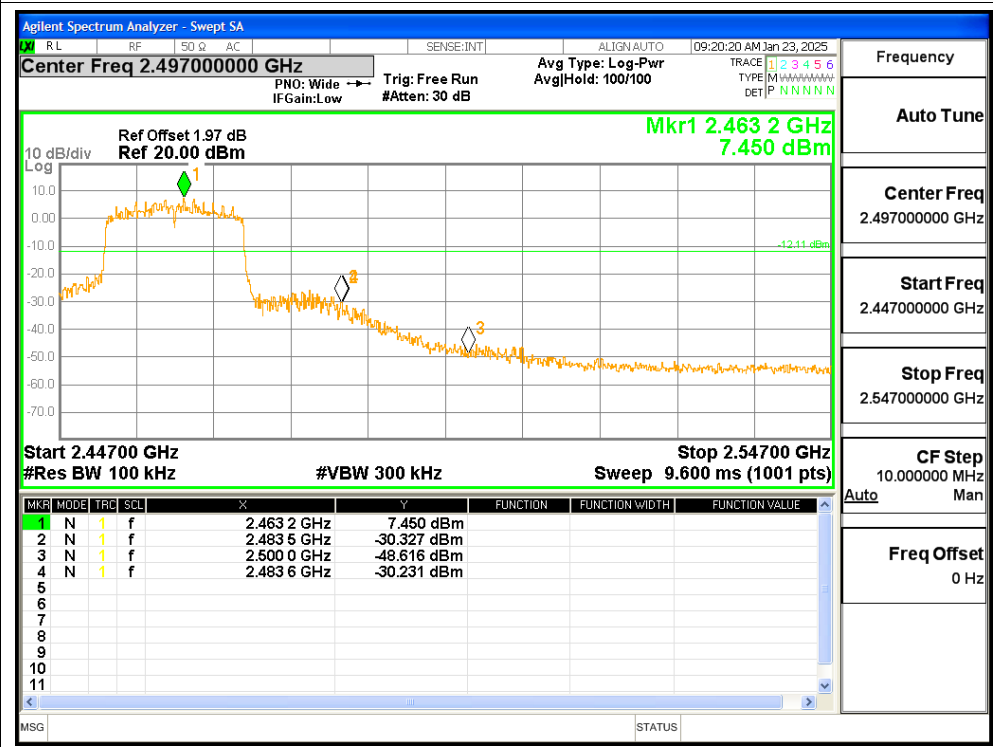


GTSL2025020051F03 2.4G WiFi

Band Edge NVNT n20 2462MHz Ant1 Ref

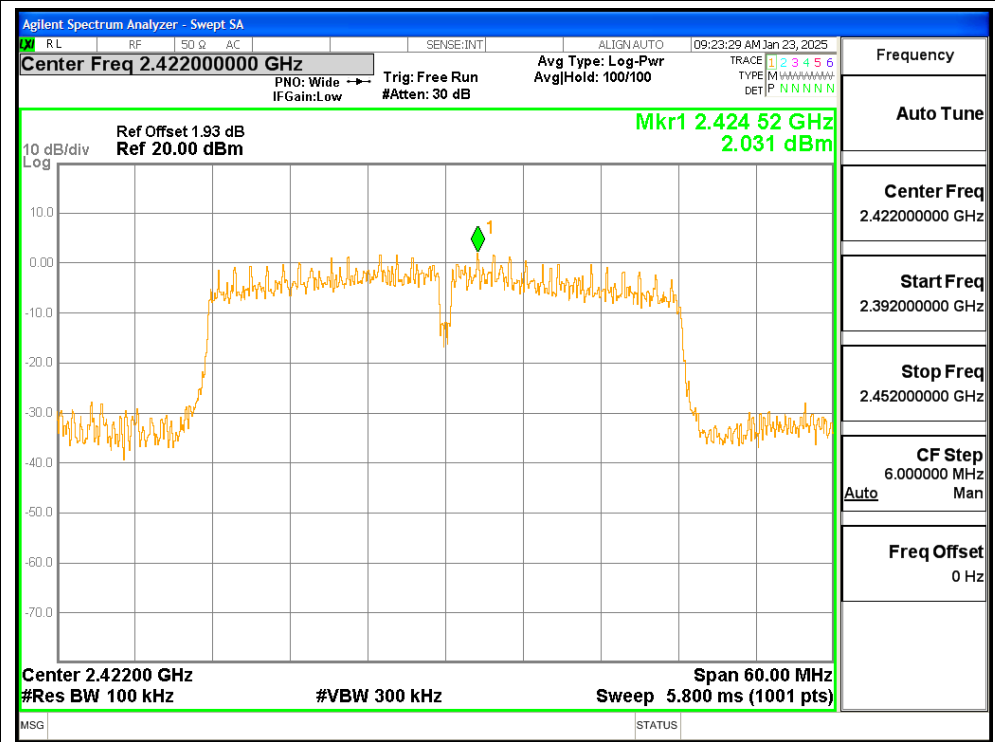


Band Edge NVNT n20 2462MHz Ant1 Emission

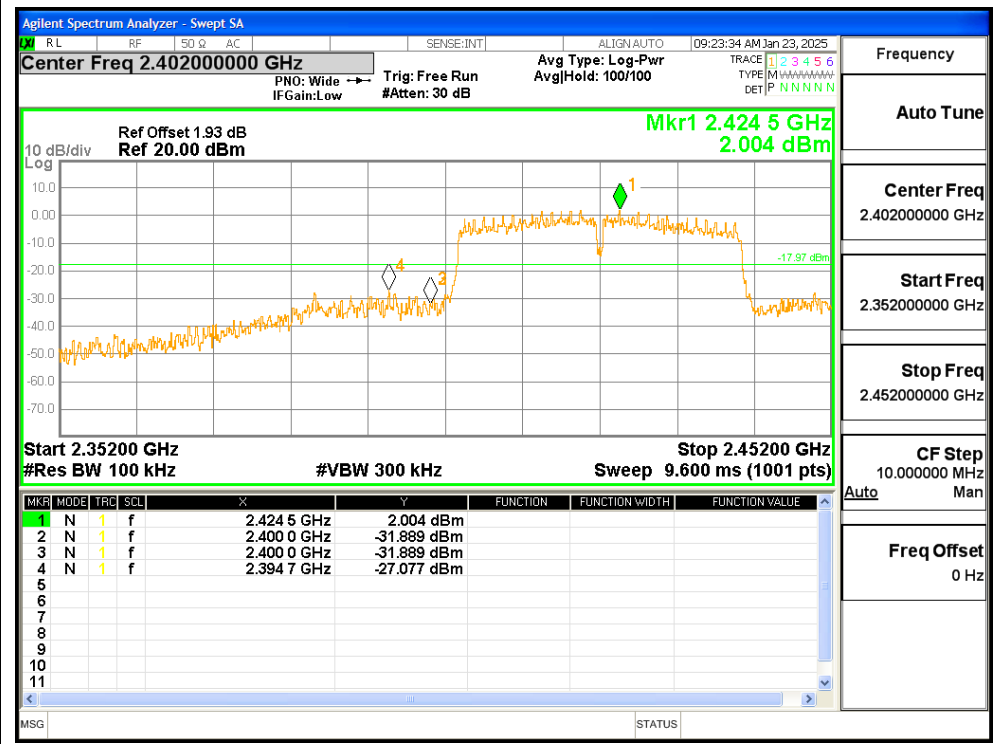


GTSL2025020051F03 2.4G WiFi

Band Edge NVNT n40 2422MHz Ant1 Ref

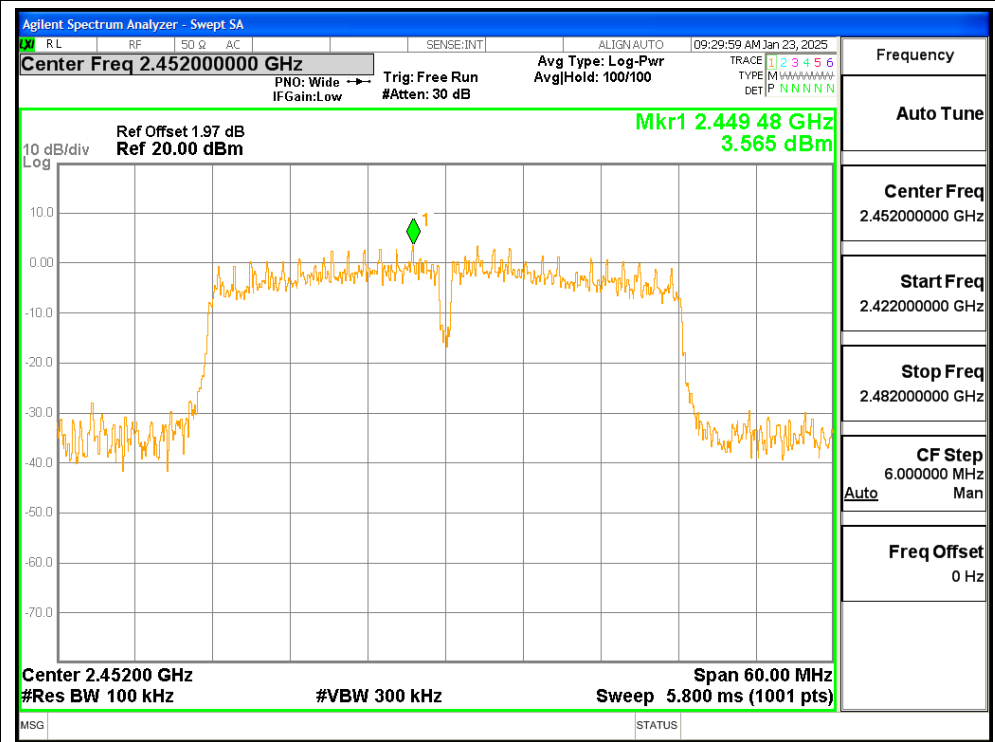


Band Edge NVNT n40 2422MHz Ant1 Emission

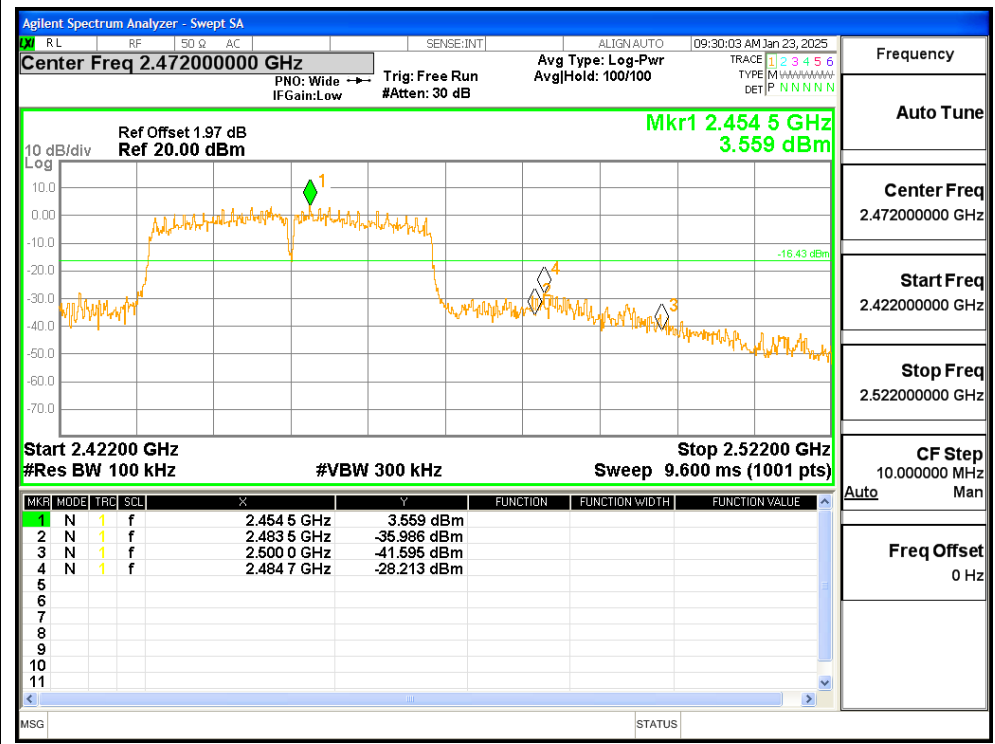


GTSL2025020051F03 2.4G WiFi

Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission

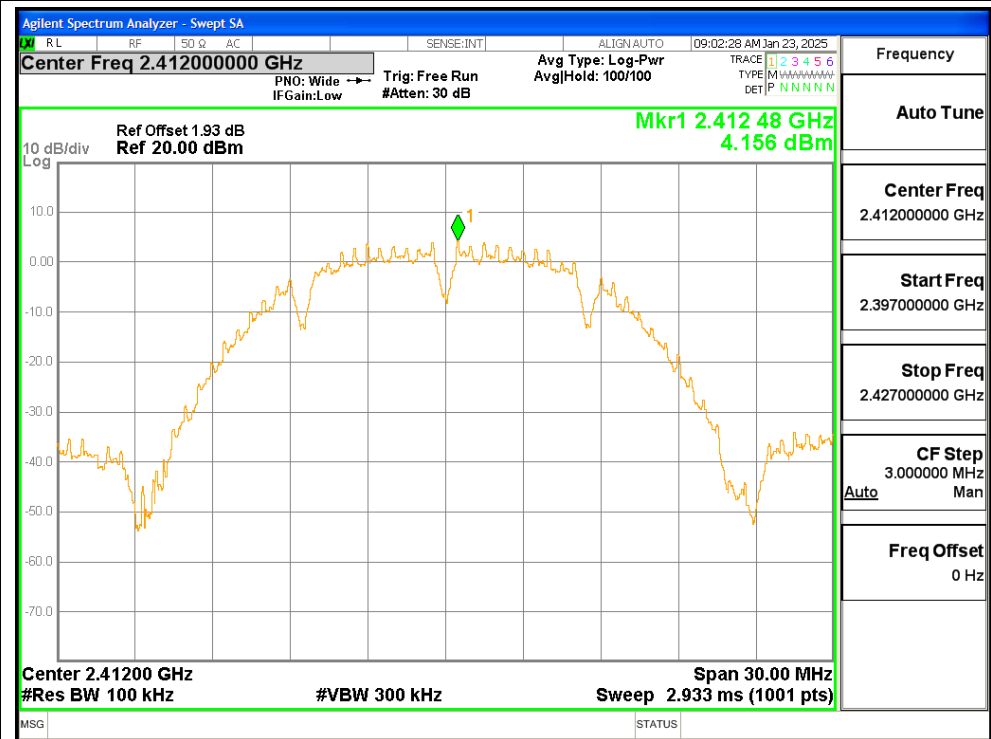


Conducted RF Spurious Emission

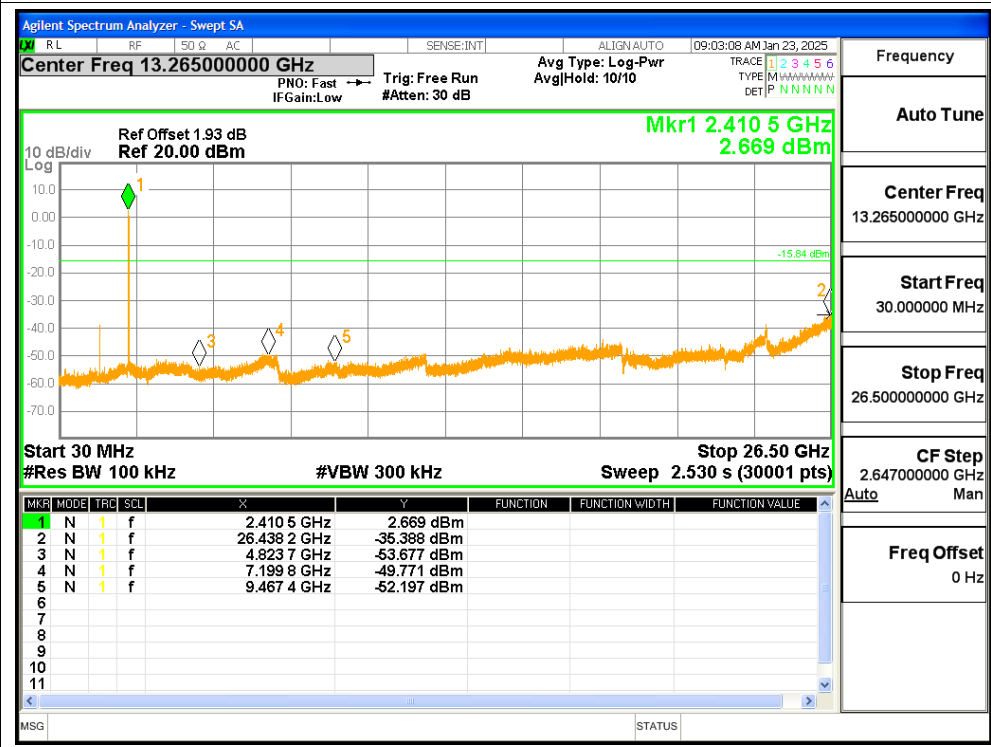
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-39.54	-20	Pass
		2437		-39.3	-20	Pass
		2462		-40.64	-20	Pass
	g	2412		-35.14	-20	Pass
		2437		-36.89	-20	Pass
		2462		-39.99	-20	Pass
	n20	2412		-41.39	-20	Pass
		2437		-42.88	-20	Pass
		2462		-41.96	-20	Pass
	n40	2422		-36.77	-20	Pass
		2437		-37.43	-20	Pass
		2452		-37.45	-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref

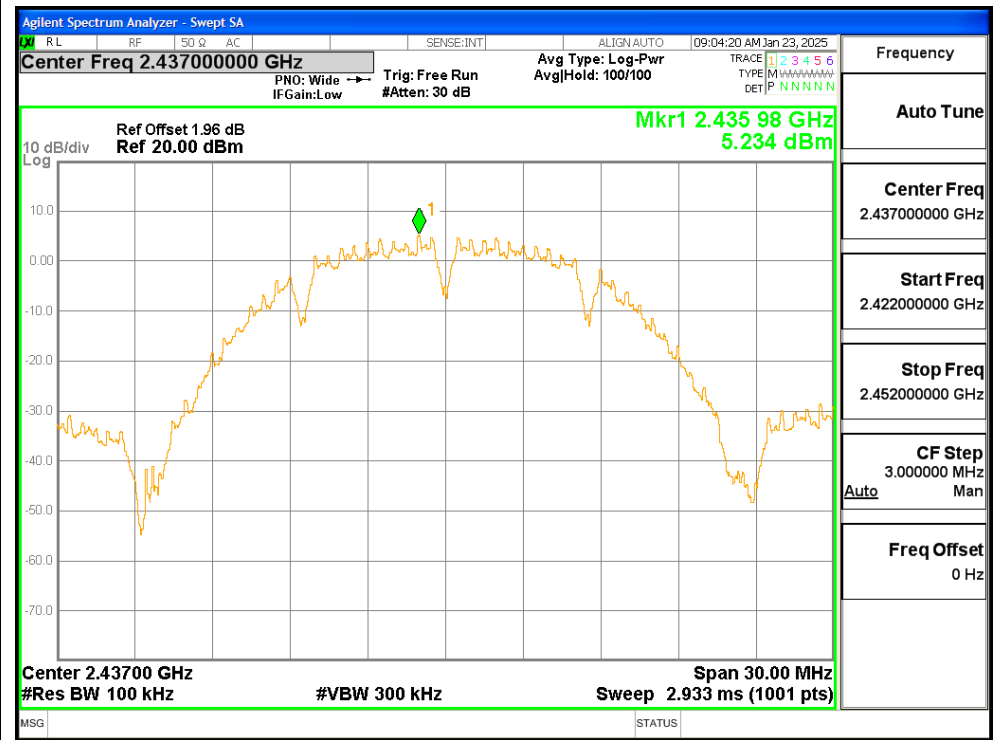


Tx. Spurious NVNT b 2412MHz Ant1 Emission

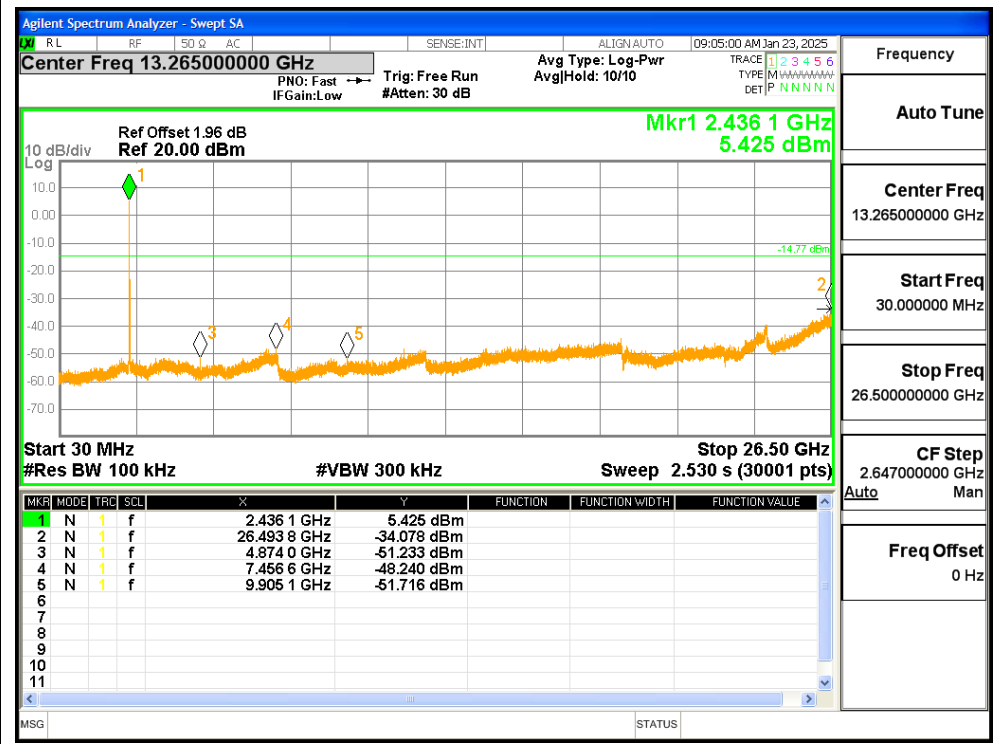


GTSL2025020051F03 2.4G WiFi

Tx. Spurious NVNT b 2437MHz Ant1 Ref

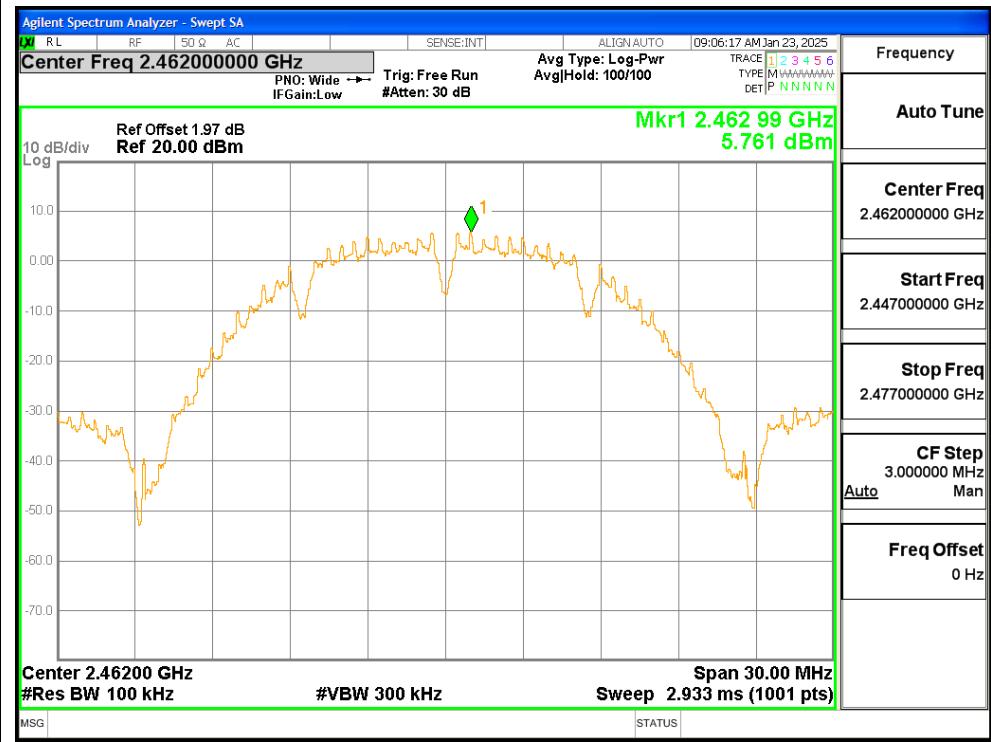


Tx. Spurious NVNT b 2437MHz Ant1 Emission

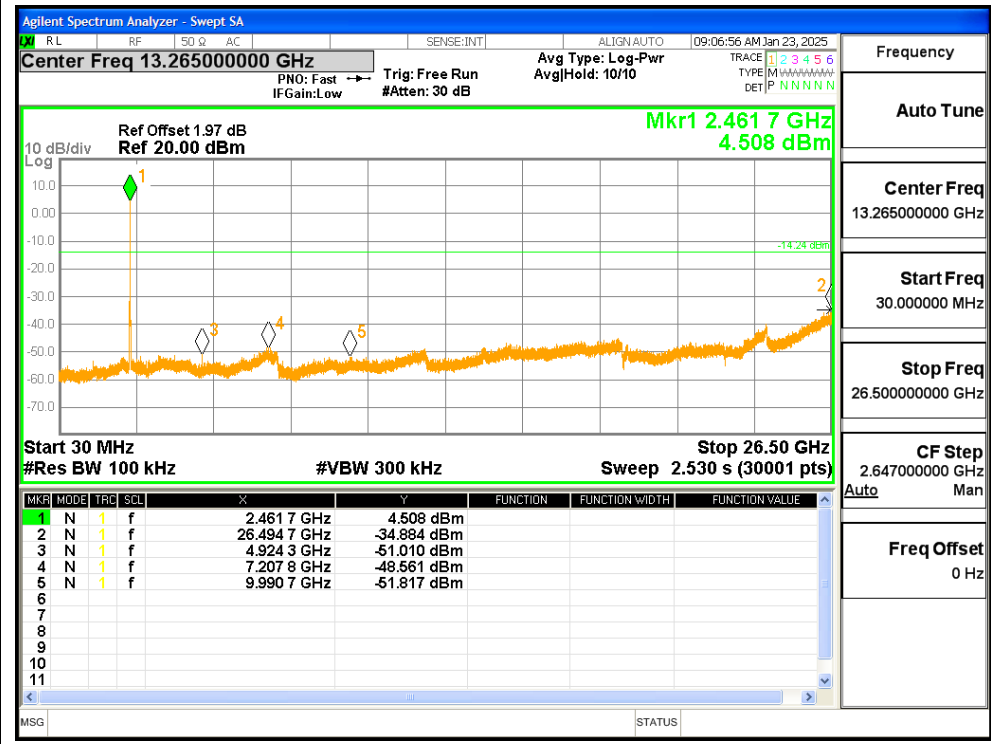


GTSL2025020051F03 2.4G WiFi

Tx. Spurious NVNT b 2462MHz Ant1 Ref

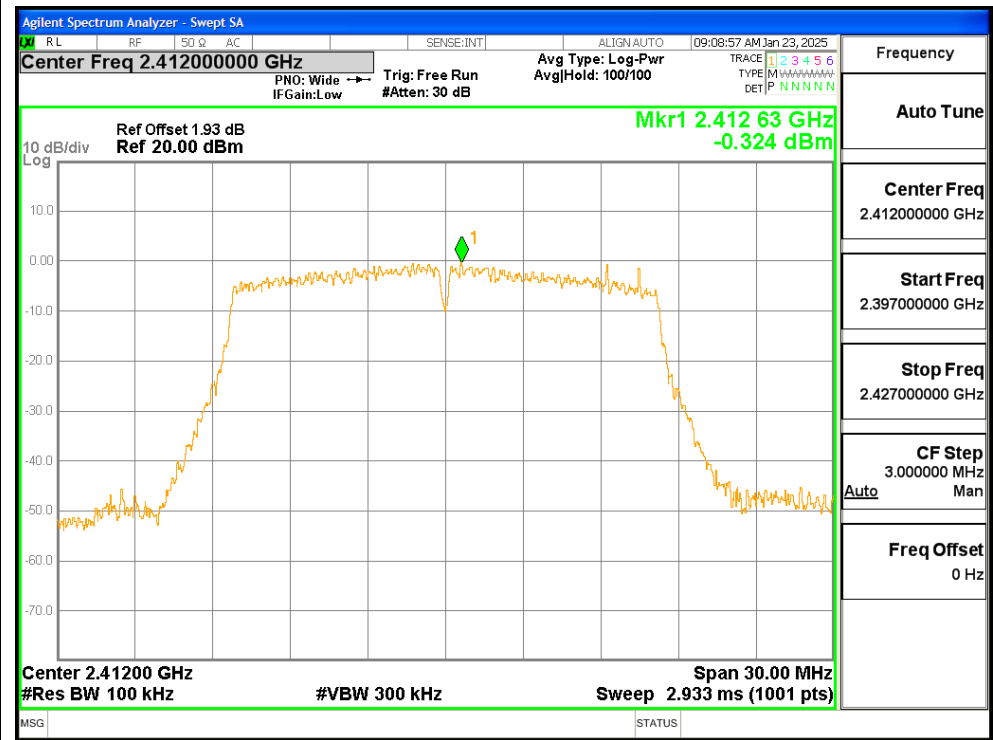


Tx. Spurious NVNT b 2462MHz Ant1 Emission

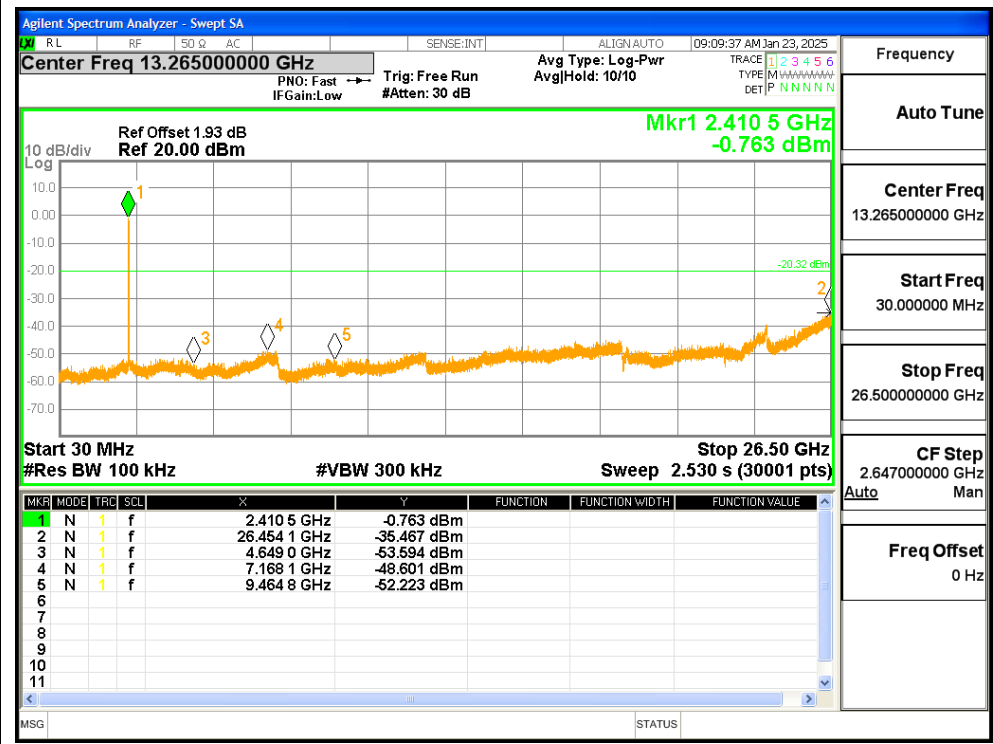


GTSL2025020051F03 2.4G WiFi

Tx. Spurious NVNT g 2412MHz Ant1 Ref

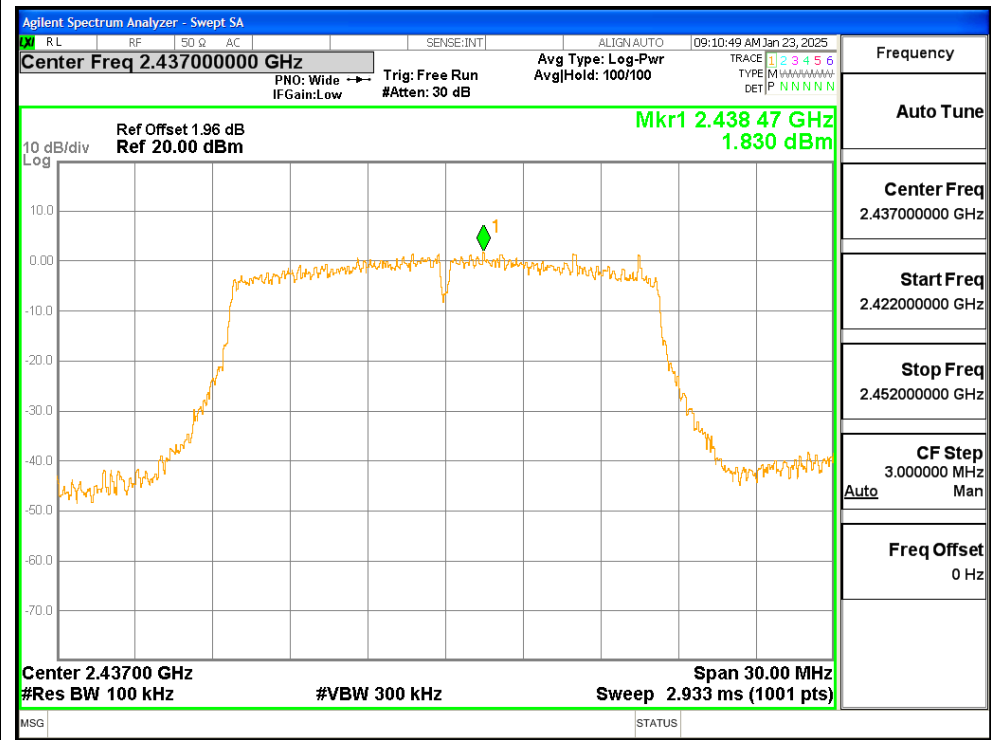


Tx. Spurious NVNT g 2412MHz Ant1 Emission

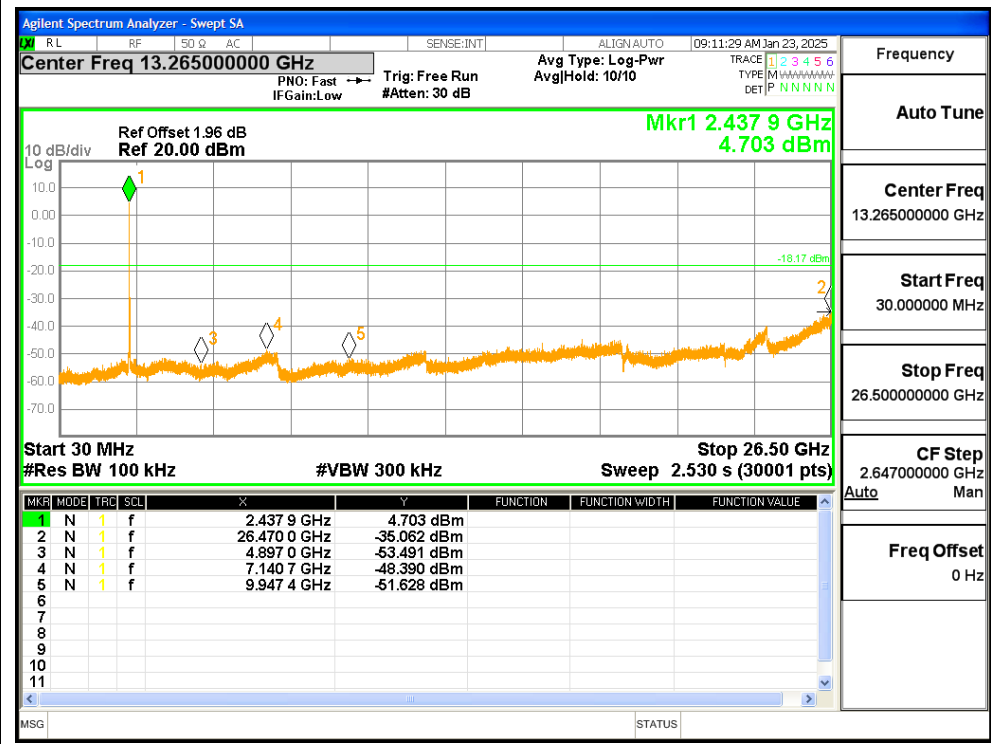


GTSL2025020051F03 2.4G WiFi

Tx. Spurious NVNT g 2437MHz Ant1 Ref

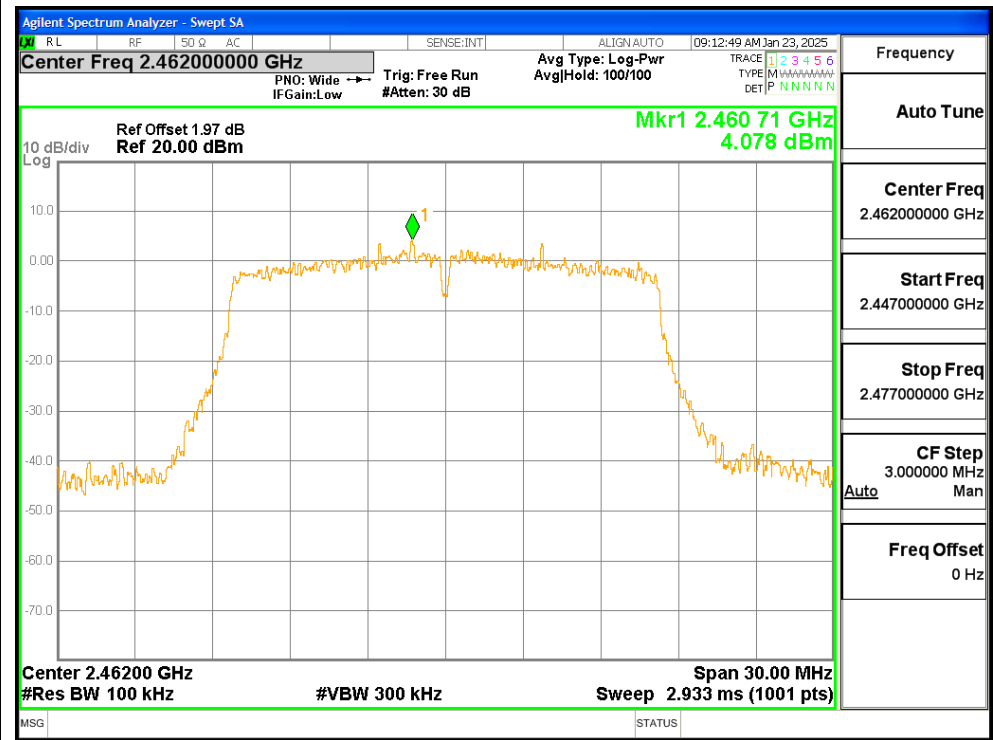


Tx. Spurious NVNT g 2437MHz Ant1 Emission

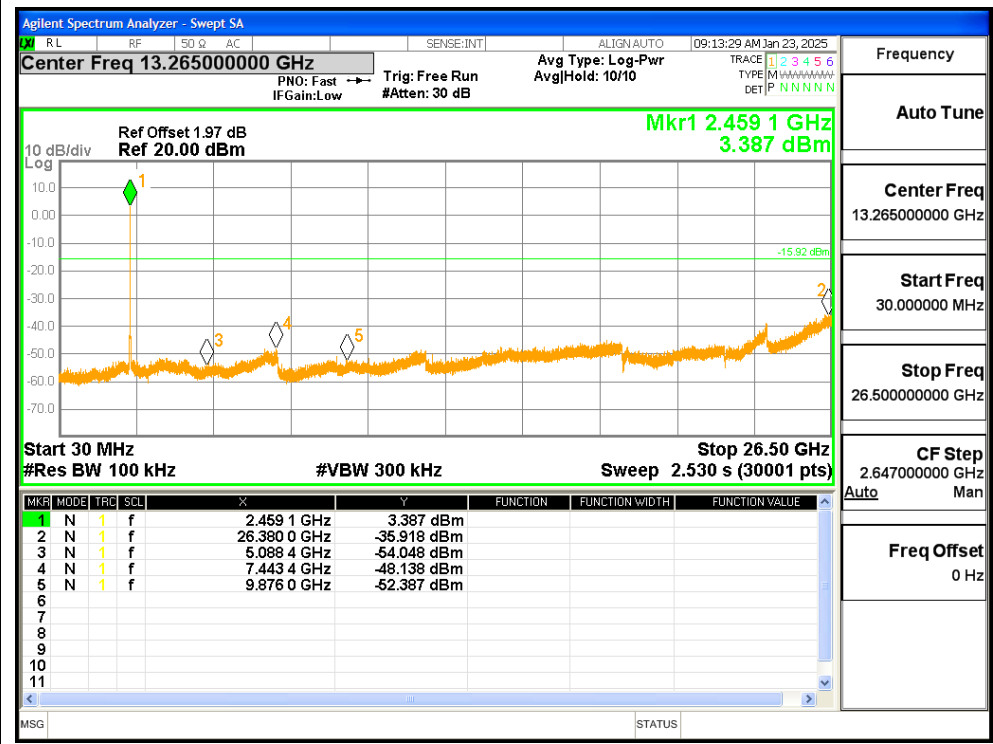


GTSL2025020051F03 2.4G WiFi

Tx. Spurious NVNT g 2462MHz Ant1 Ref

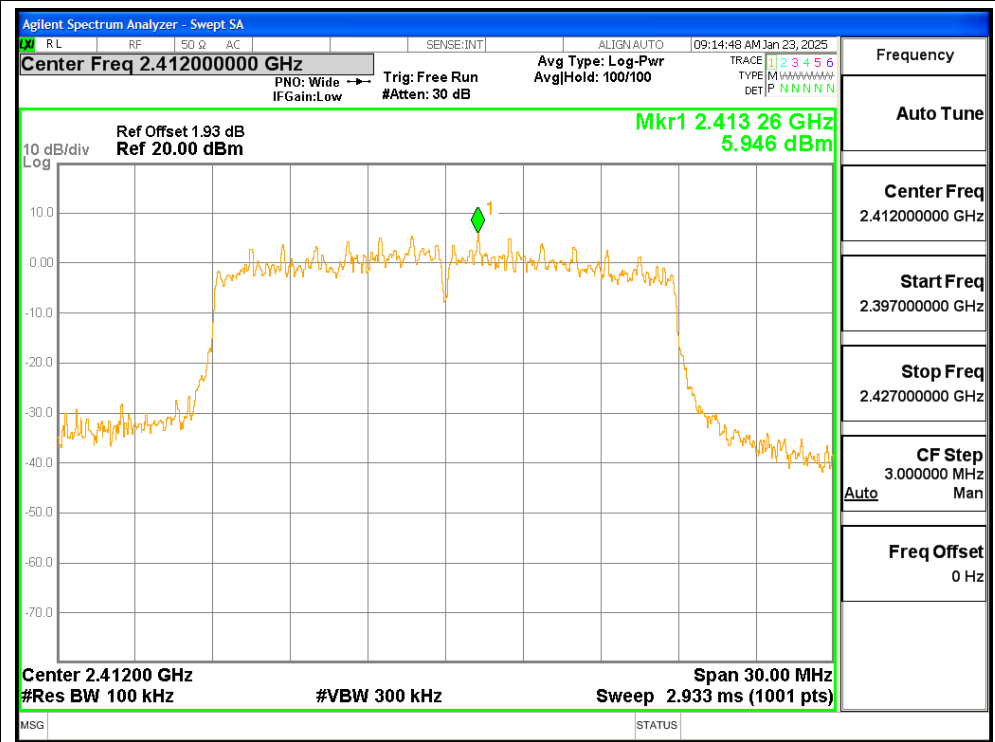


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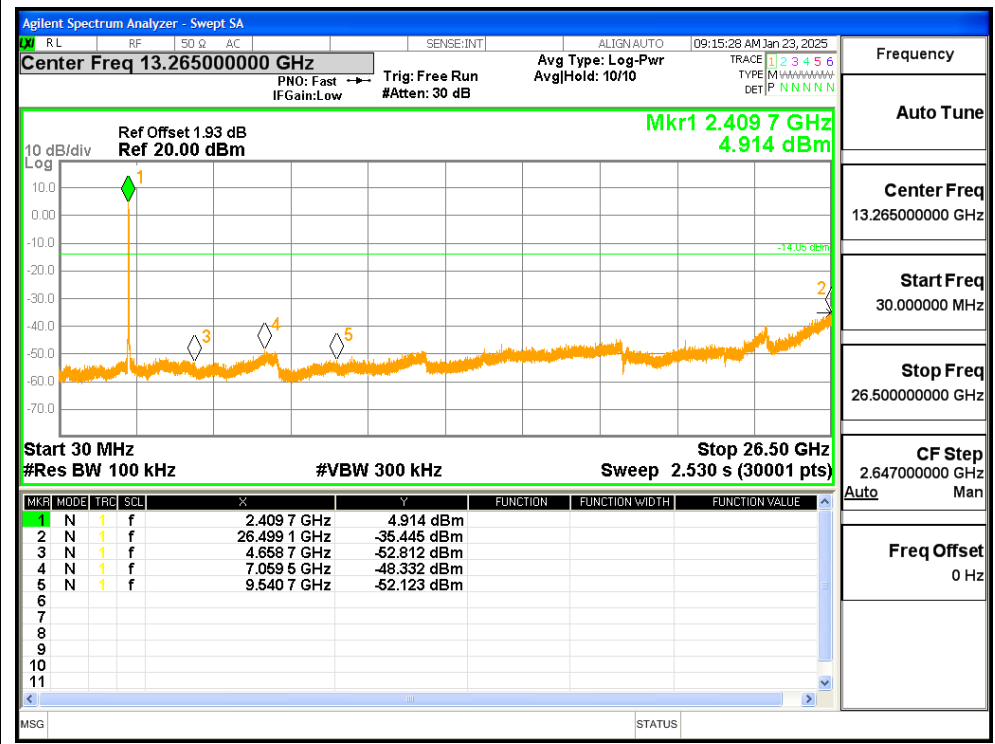


GTSL2025020051F03 2.4G WiFi

Tx. Spurious NVNT n20 2412MHz Ant1 Ref

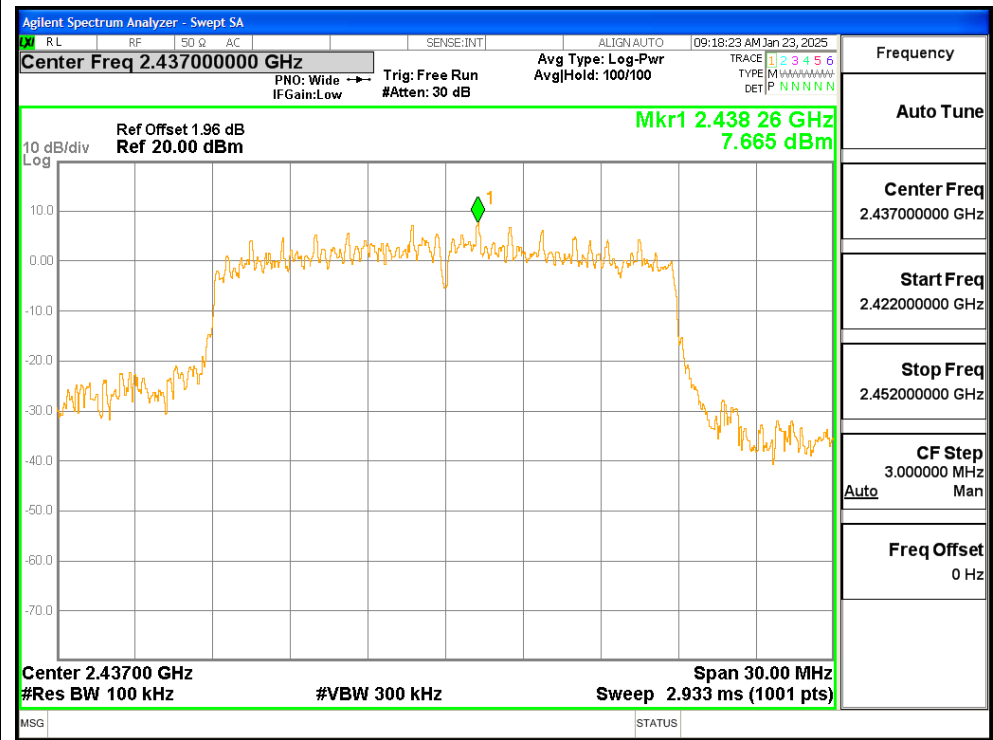


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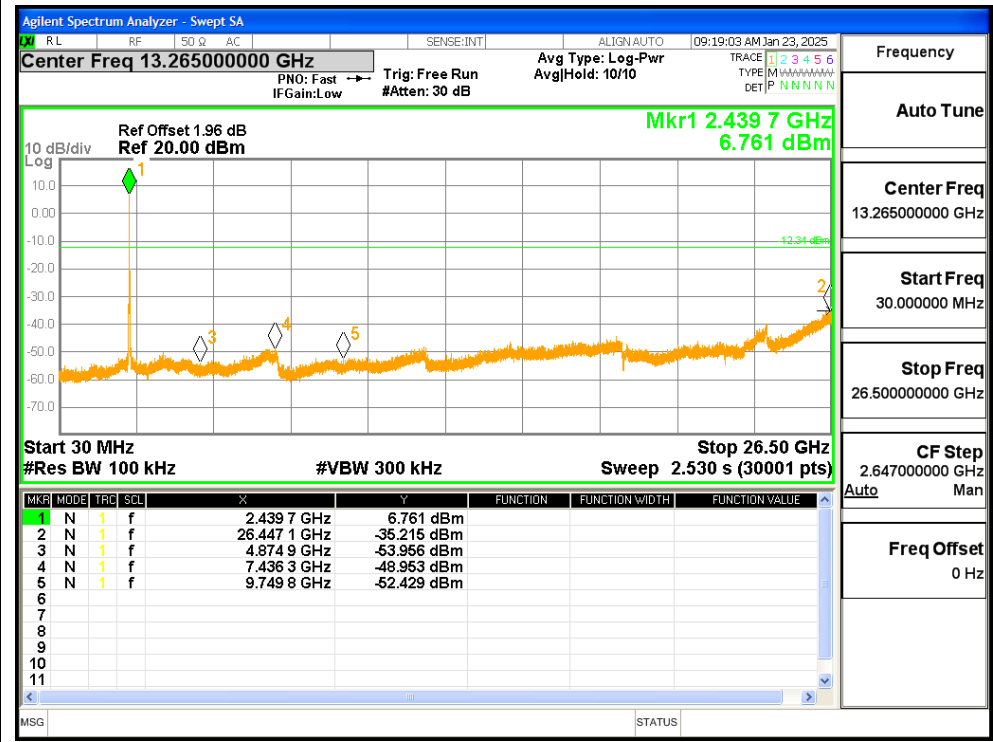


GTSL2025020051F03 2.4G WiFi

Tx. Spurious NVNT n20 2437MHz Ant1 Ref

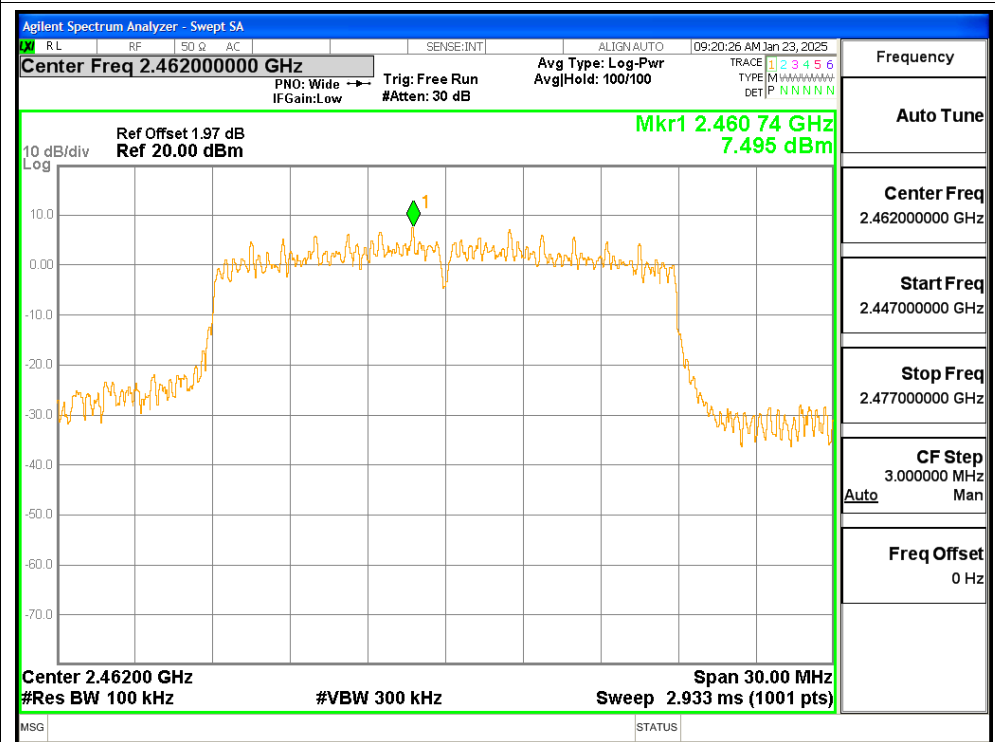


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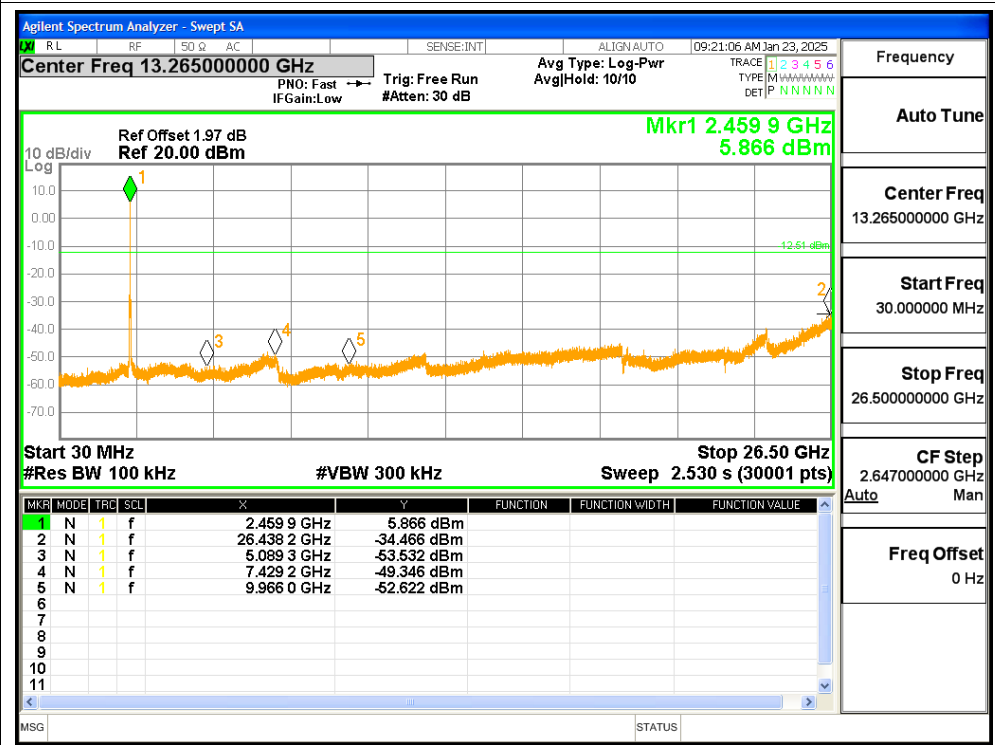


GTSL2025020051F03 2.4G WiFi

Tx. Spurious NVNT n20 2462MHz Ant1 Ref

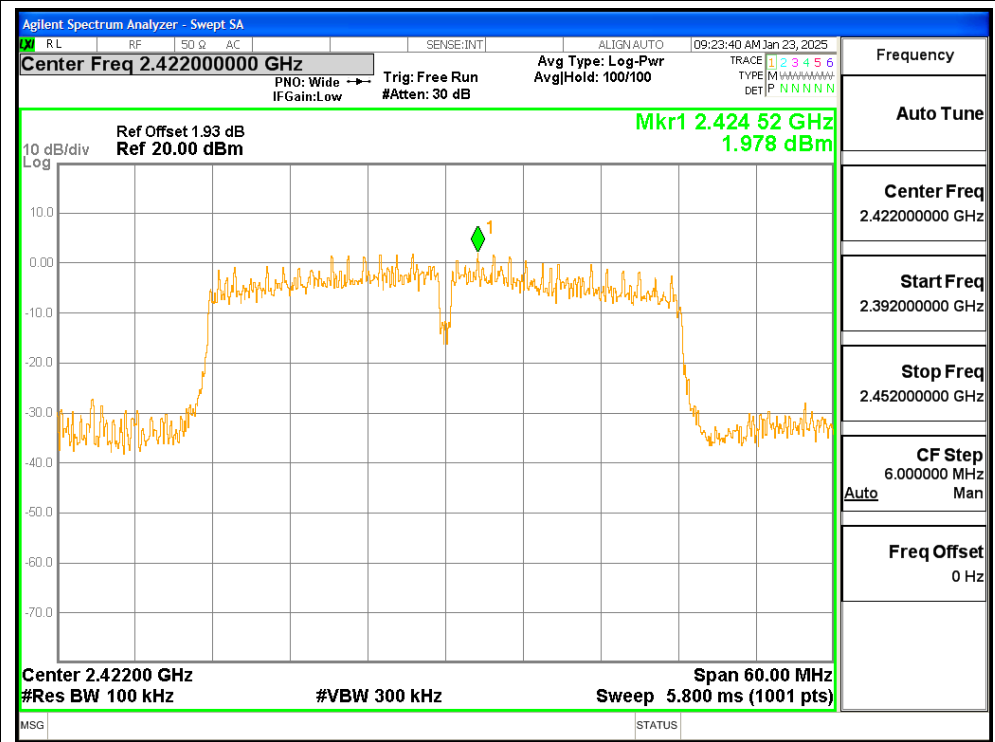


Tx. Spurious NVNT n20 2462MHz Ant1 Emission

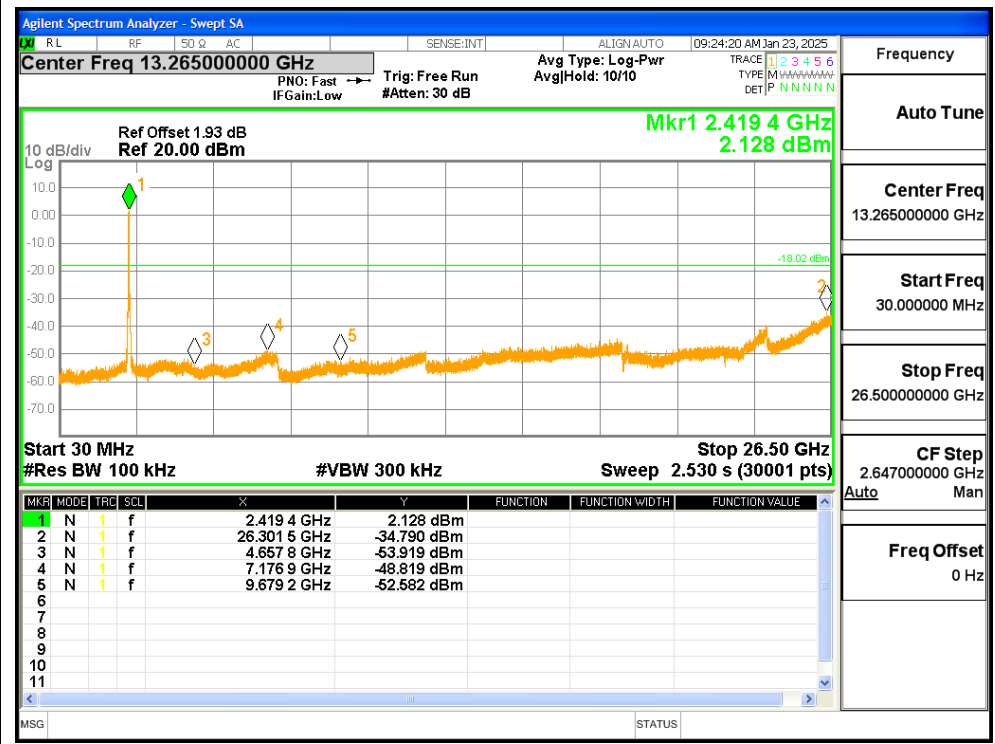


GTSL2025020051F03 2.4G WiFi

Tx. Spurious NVNT n40 2422MHz Ant1 Ref

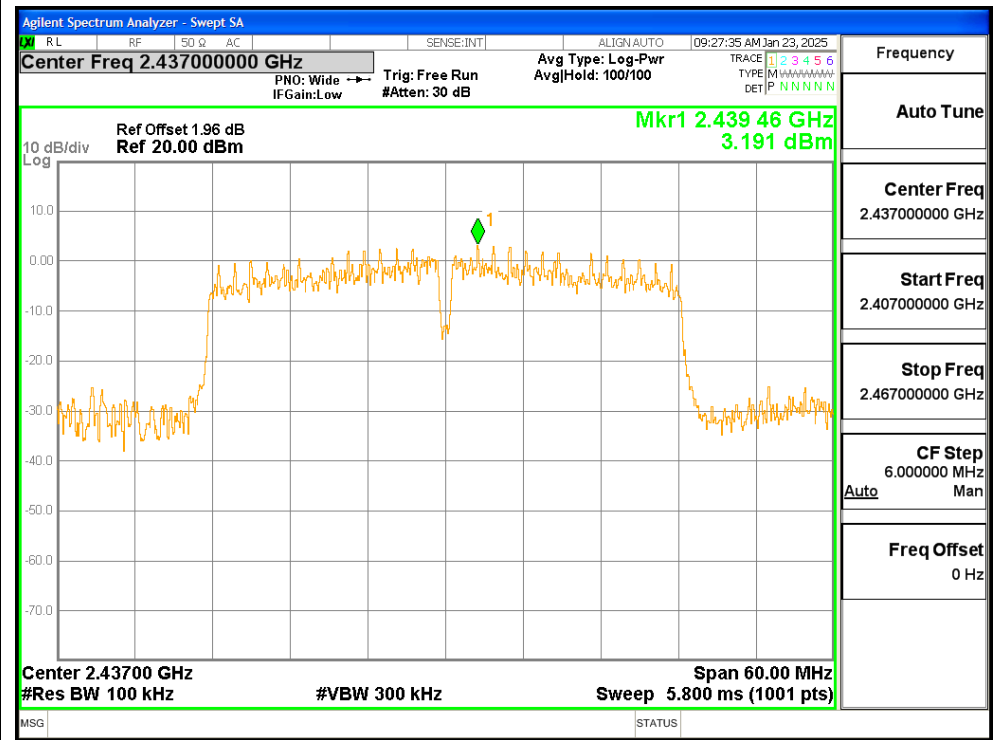


Tx. Spurious NVNT n40 2422MHz Ant1 Emission

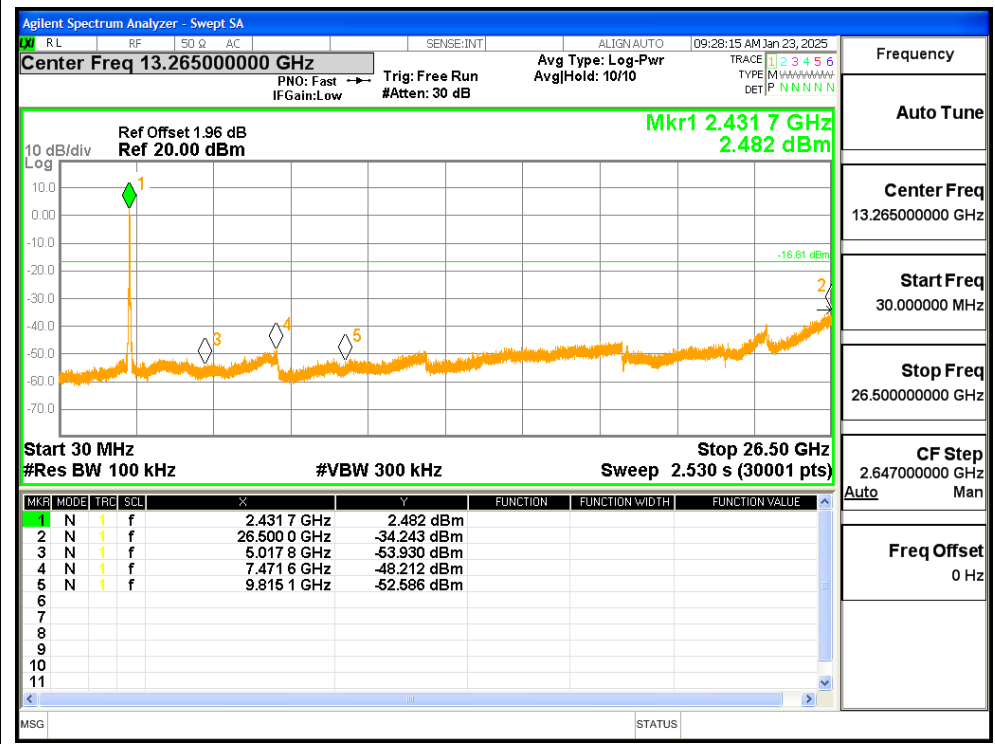


GTSL2025020051F03 2.4G WiFi

Tx. Spurious NVNT n40 2437MHz Ant1 Ref

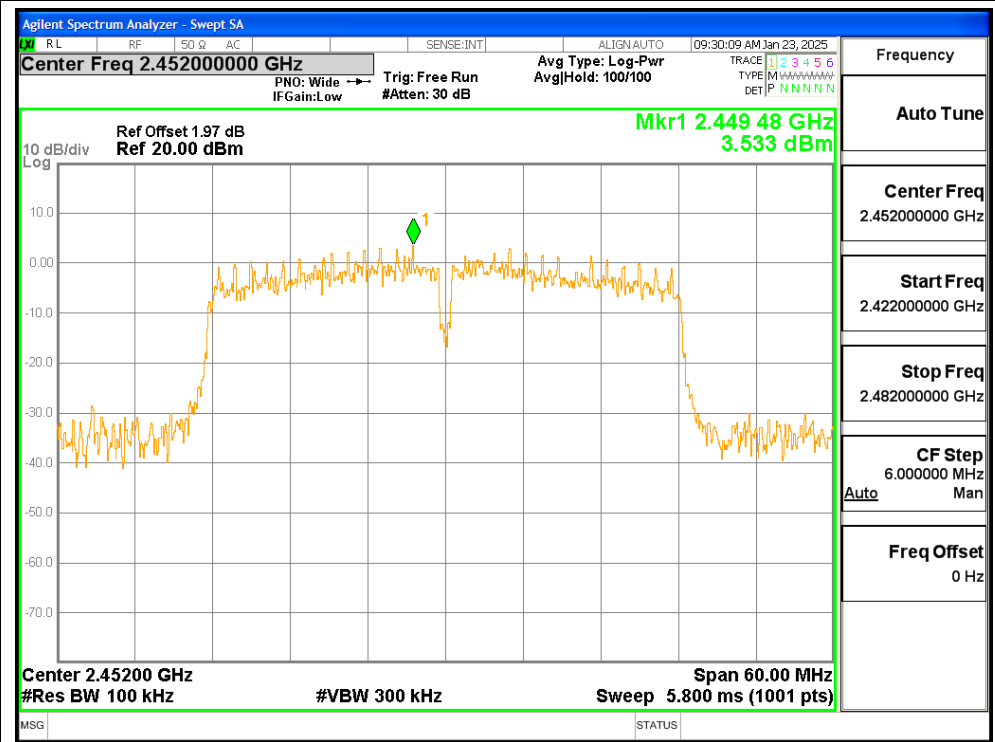


Tx. Spurious NVNT n40 2437MHz Ant1 Emission



GTSL2025020051F03 2.4G WiFi

Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission

