

Contents

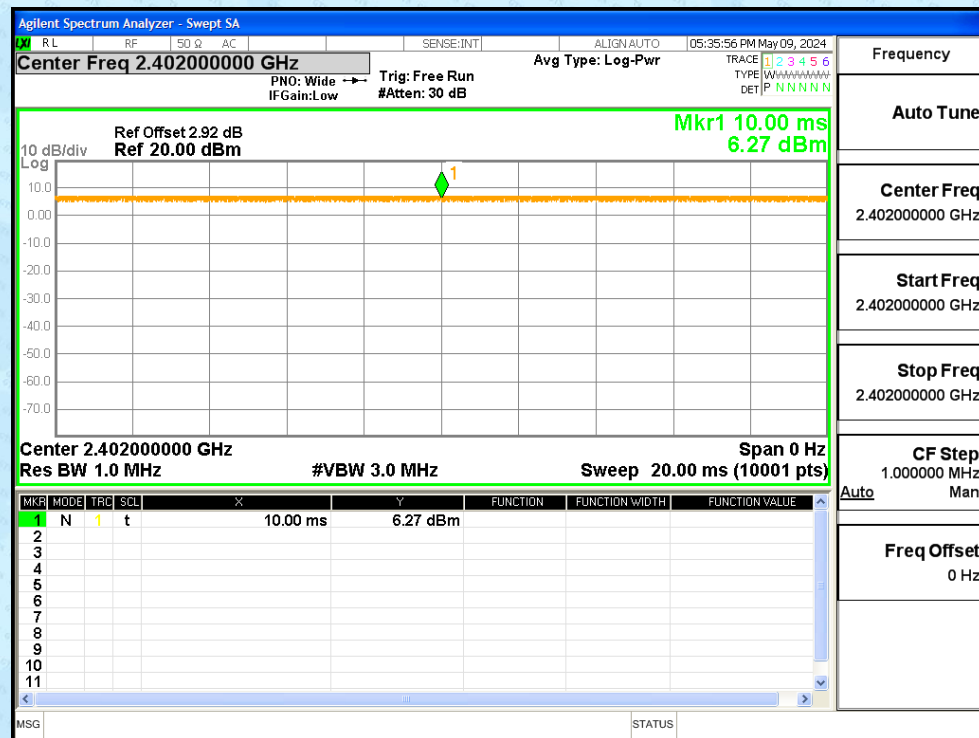
Duty Cycle.....	2
Maximum Conducted Output Power	6
-6dB Bandwidth	10
Occupied Channel Bandwidth	14
Maximum Power Spectral Density Level.....	18
Band Edge	22
Conducted RF Spurious Emission	27

Duty Cycle

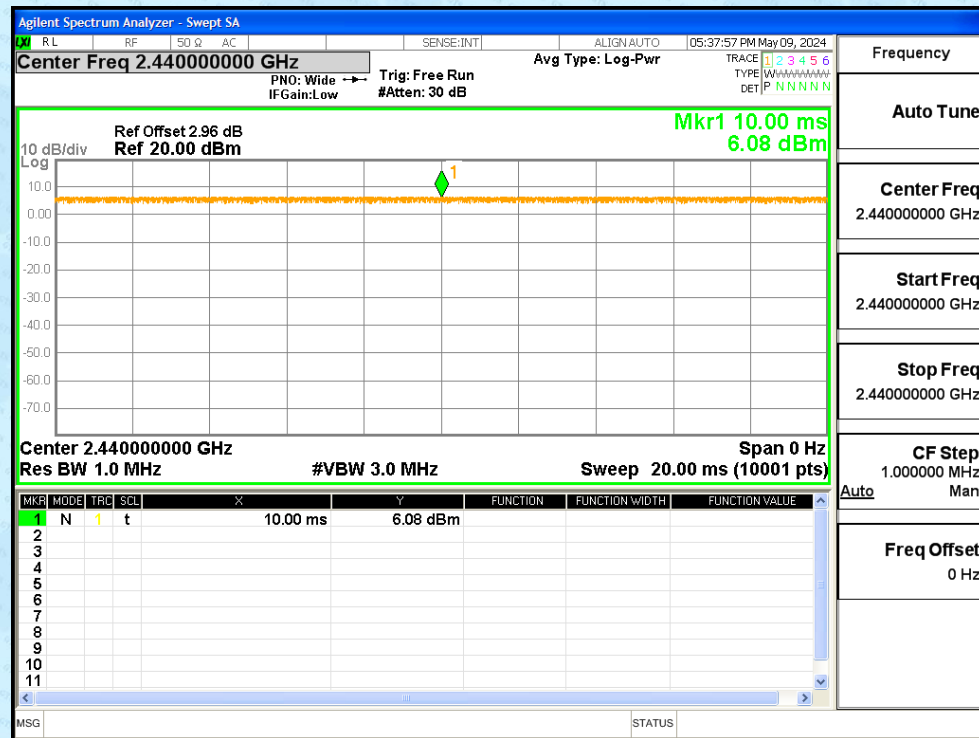
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	100	0	0
		2440		100	0	0
		2480		100	0	0
	S8	2402		100	0	0
		2440		100	0	0
		2480		100	0	0

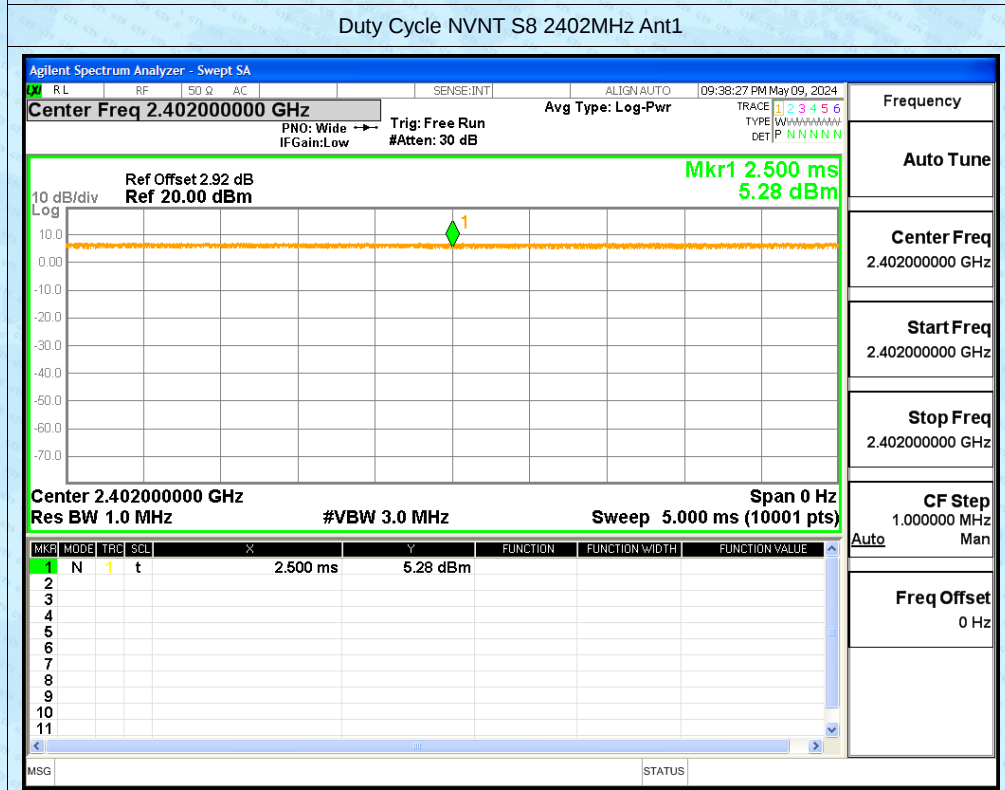
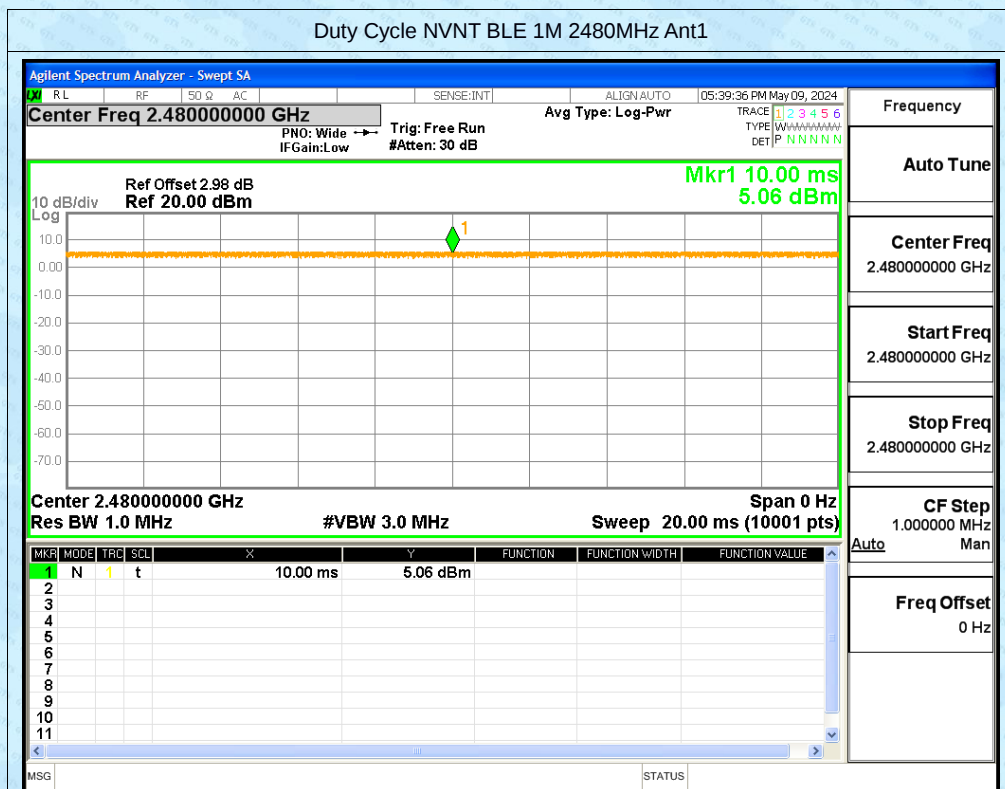
Test Graphs

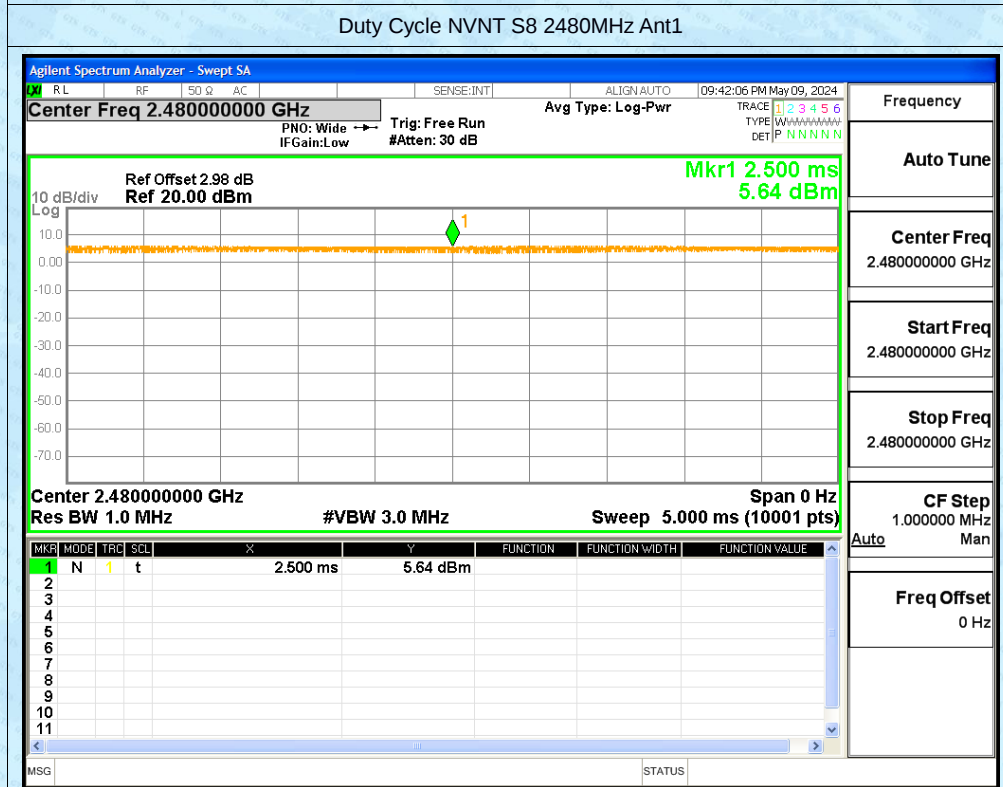
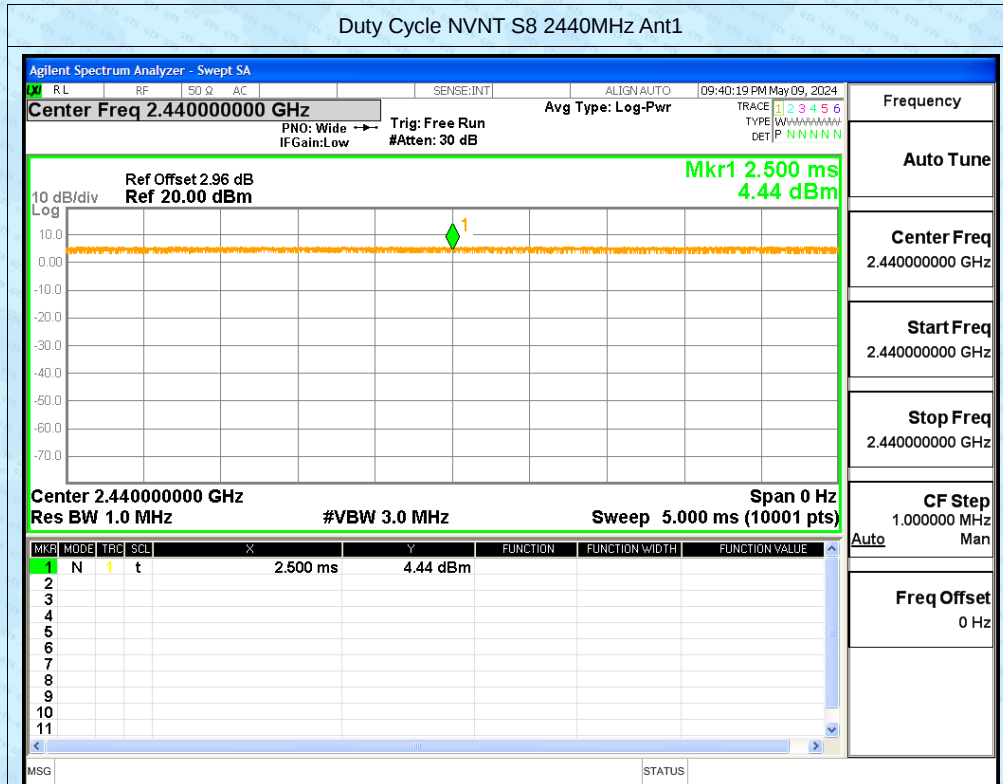
Duty Cycle NVNT BLE 1M 2402MHz Ant1



Duty Cycle NVNT BLE 1M 2440MHz Ant1





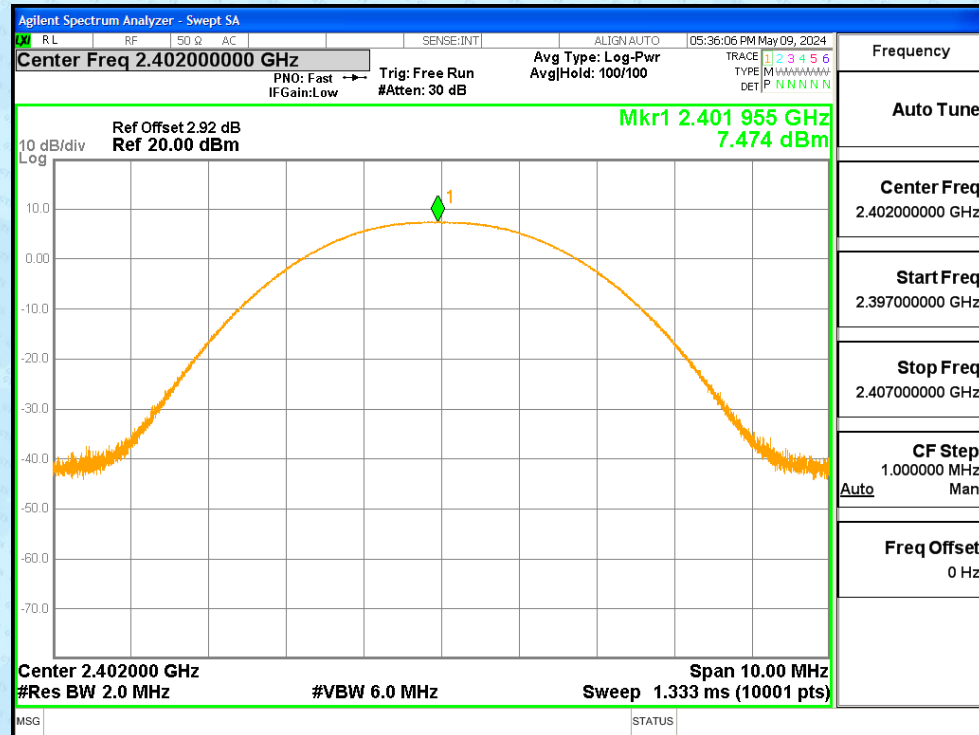


Maximum Conducted Output Power

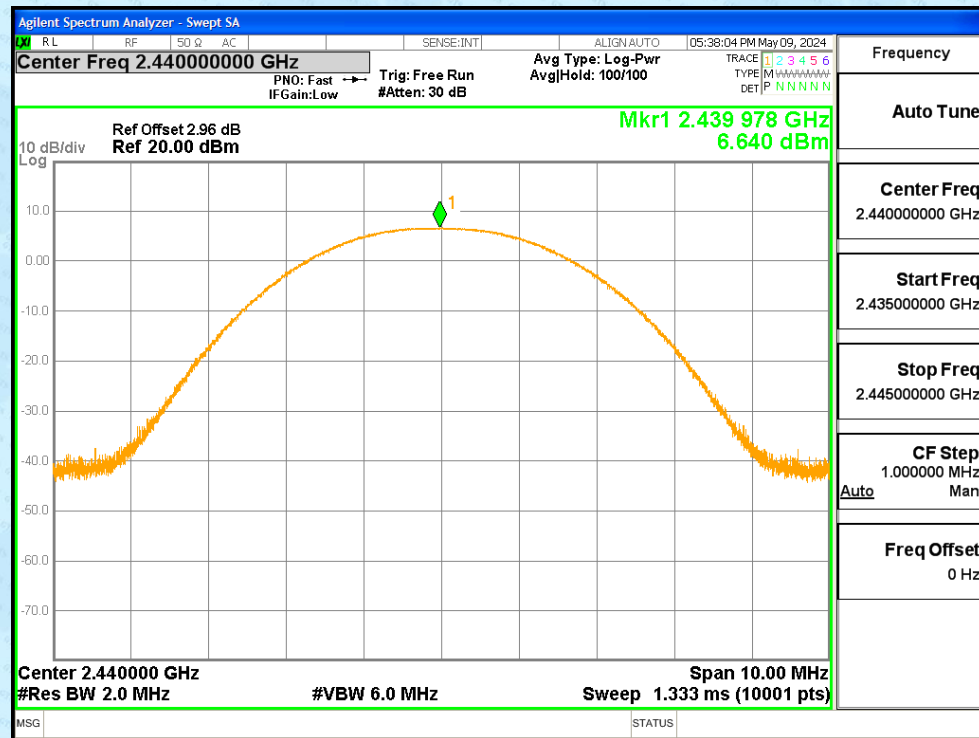
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	7.47	30	Pass
NVNT	BLE 1M	2440	Ant1	6.64	30	Pass
NVNT	BLE 1M	2480	Ant1	6.01	30	Pass
NVNT	S8	2402	Ant1	7.75	30	Pass
NVNT	S8	2440	Ant1	6.35	30	Pass
NVNT	S8	2480	Ant1	6.54	30	Pass

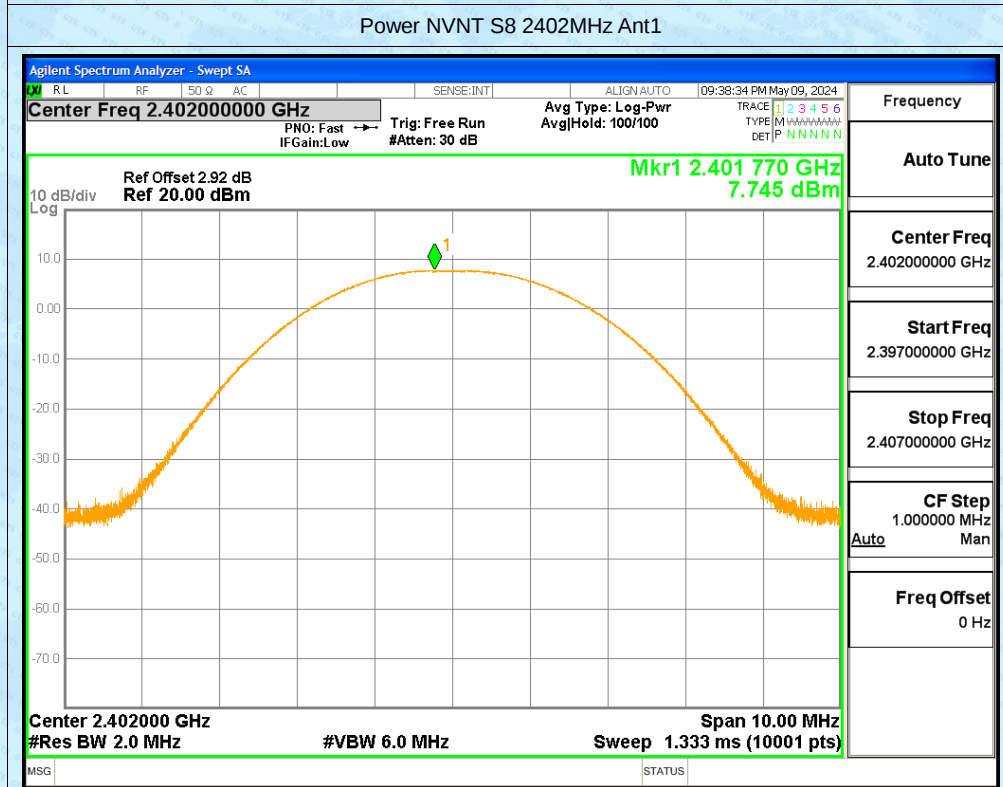
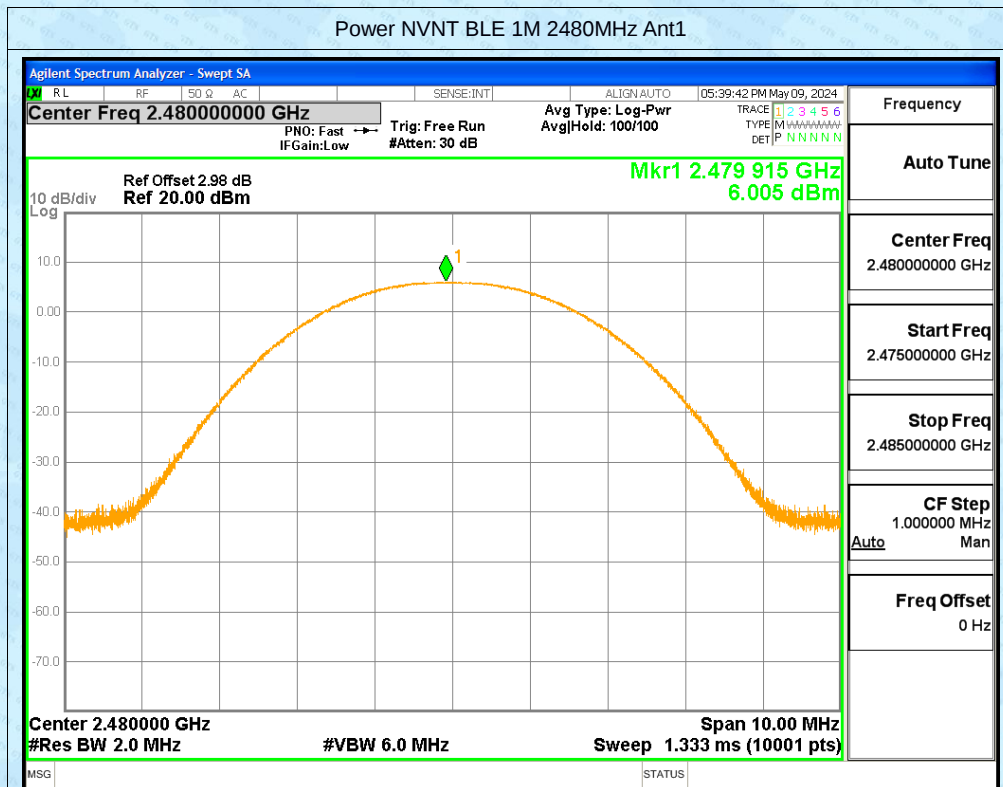
Test Graphs

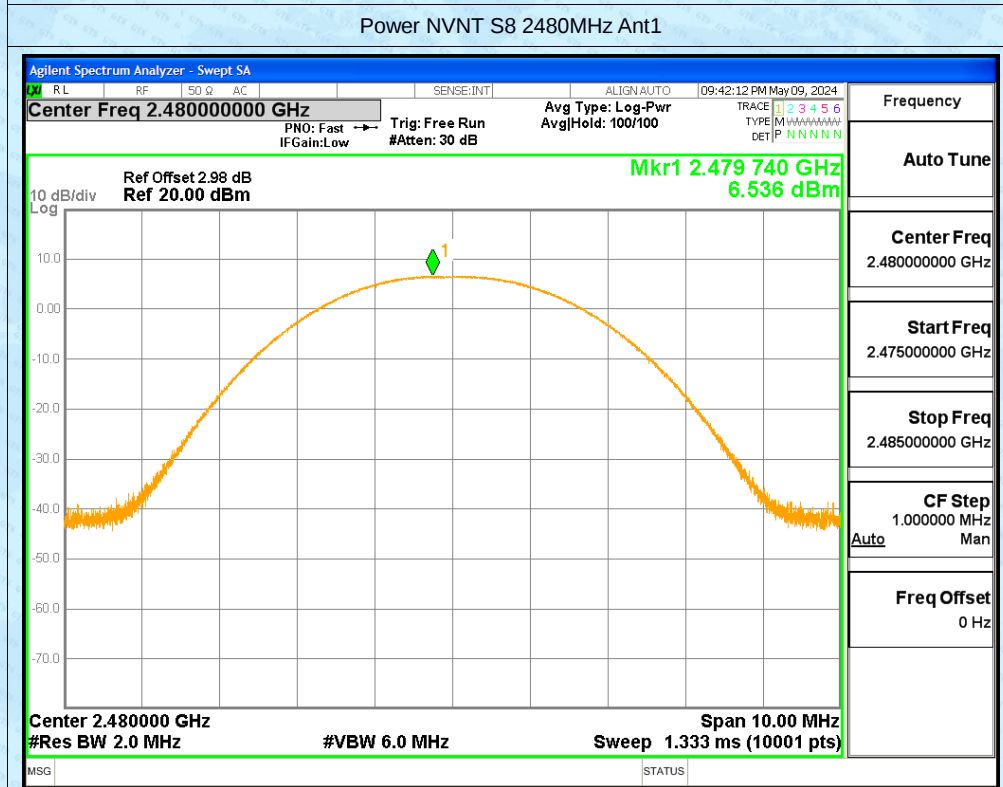
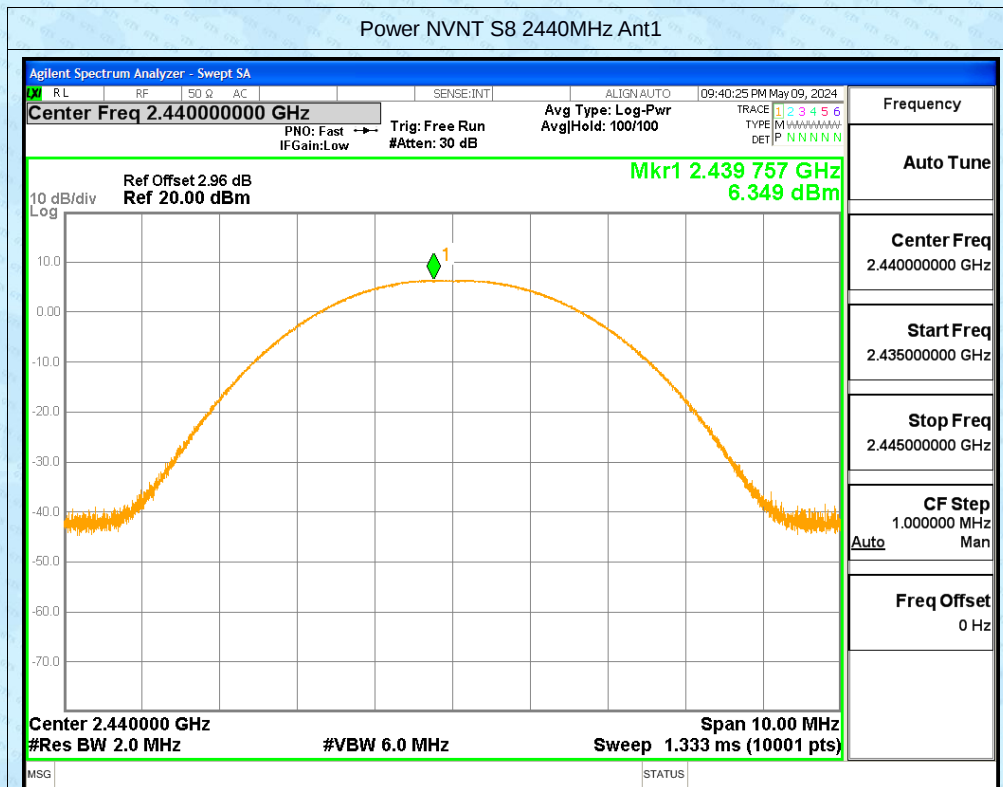
Power NVNT BLE 1M 2402MHz Ant1



Power NVNT BLE 1M 2440MHz Ant1





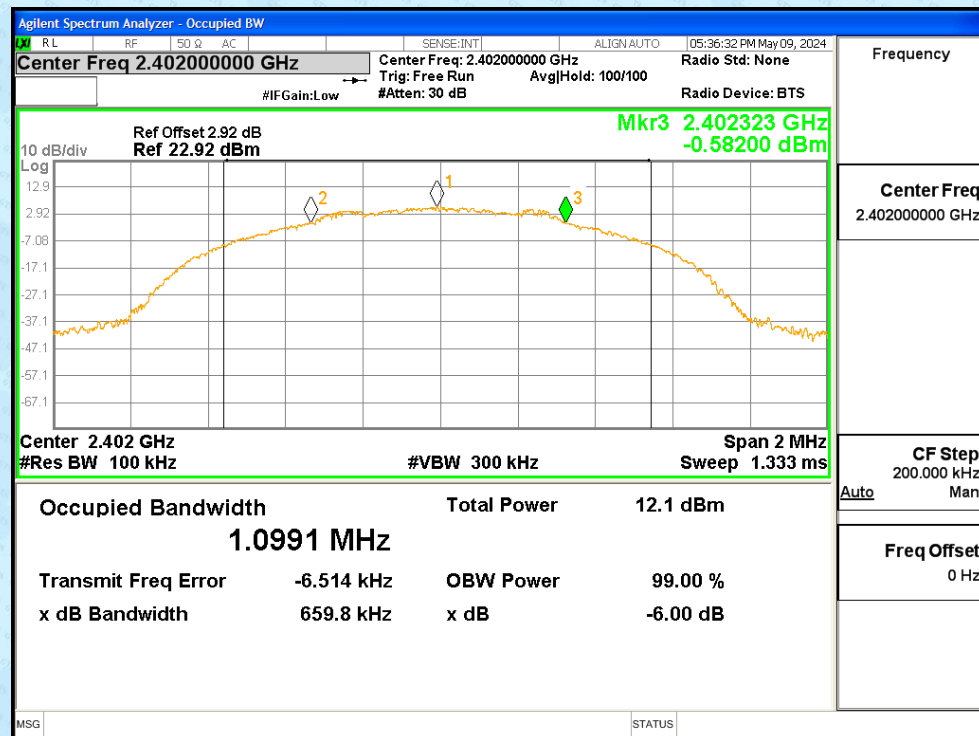


-6dB Bandwidth

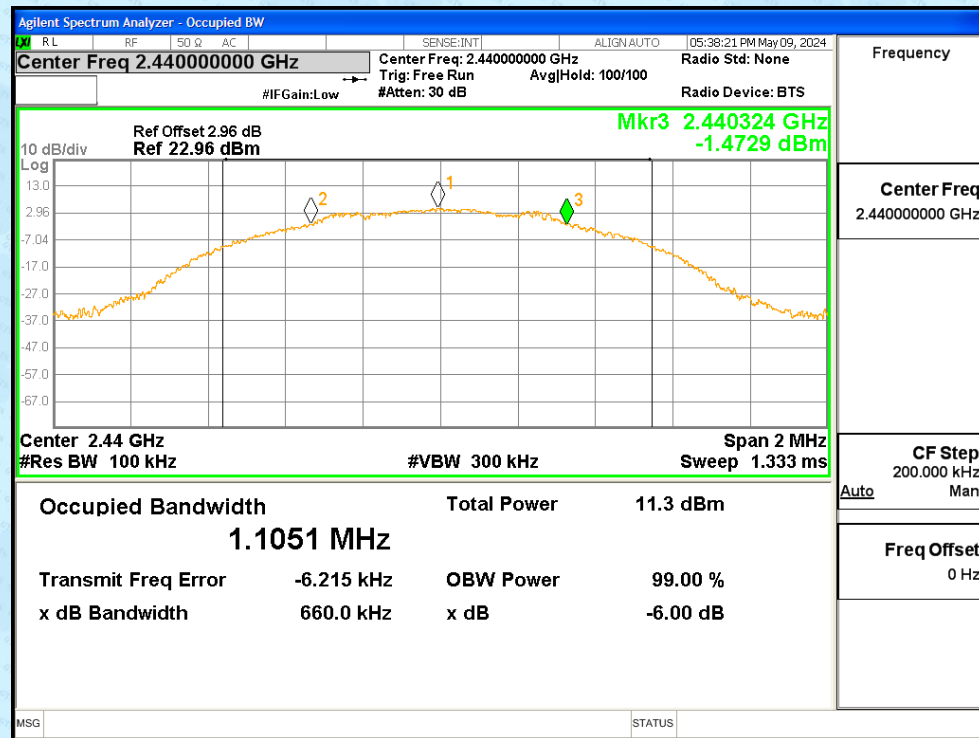
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.66	0.5	Pass
		2440		0.66	0.5	Pass
		2480		0.691	0.5	Pass
	S8	2402		0.634	0.5	Pass
		2440		0.643	0.5	Pass
		2480		0.639	0.5	Pass

Test Graphs

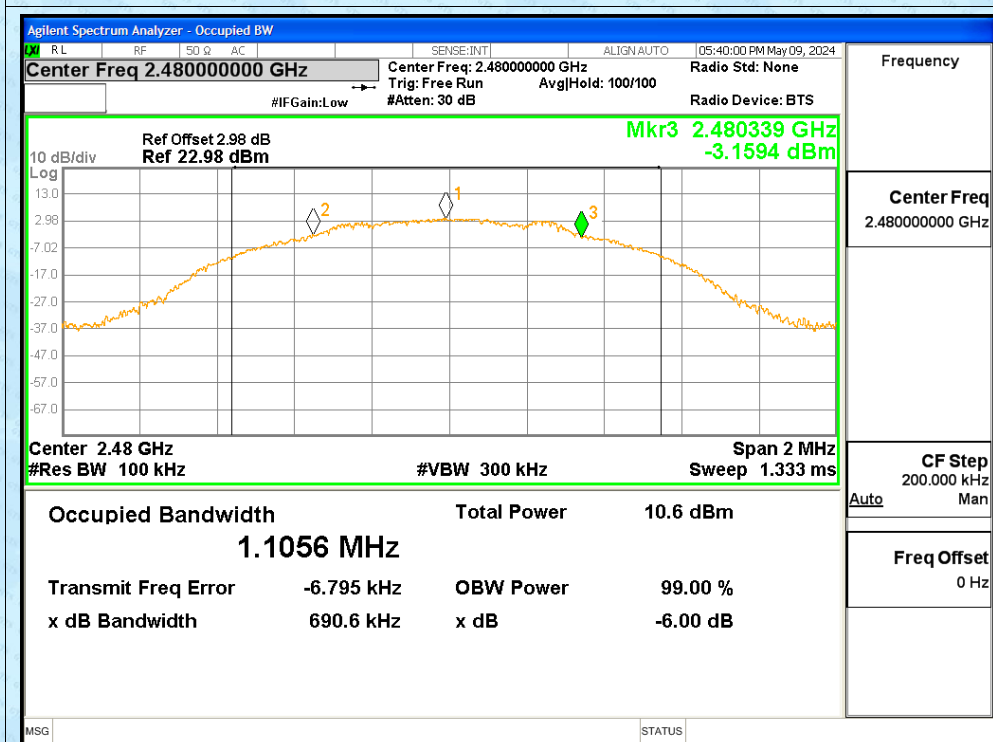
-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



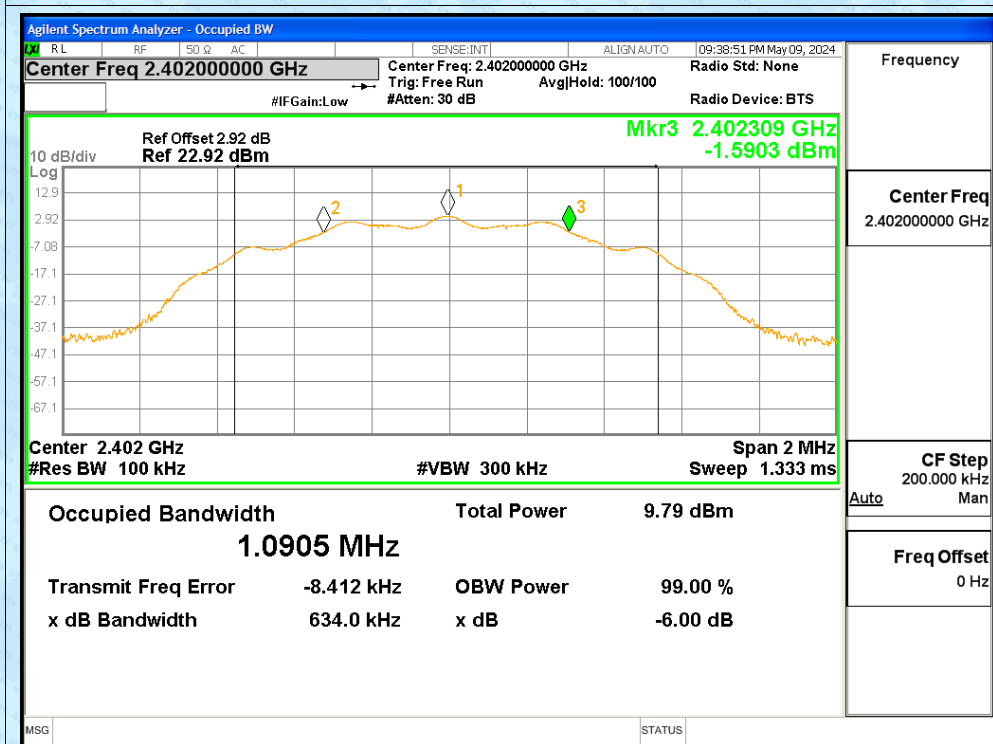
-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1

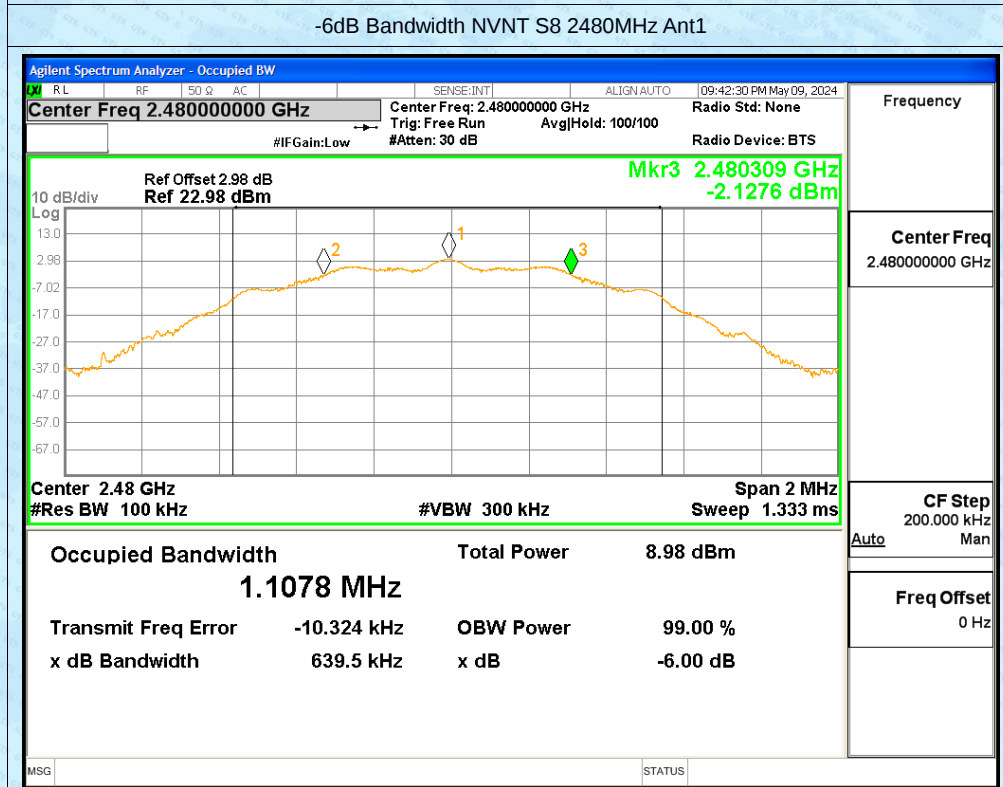
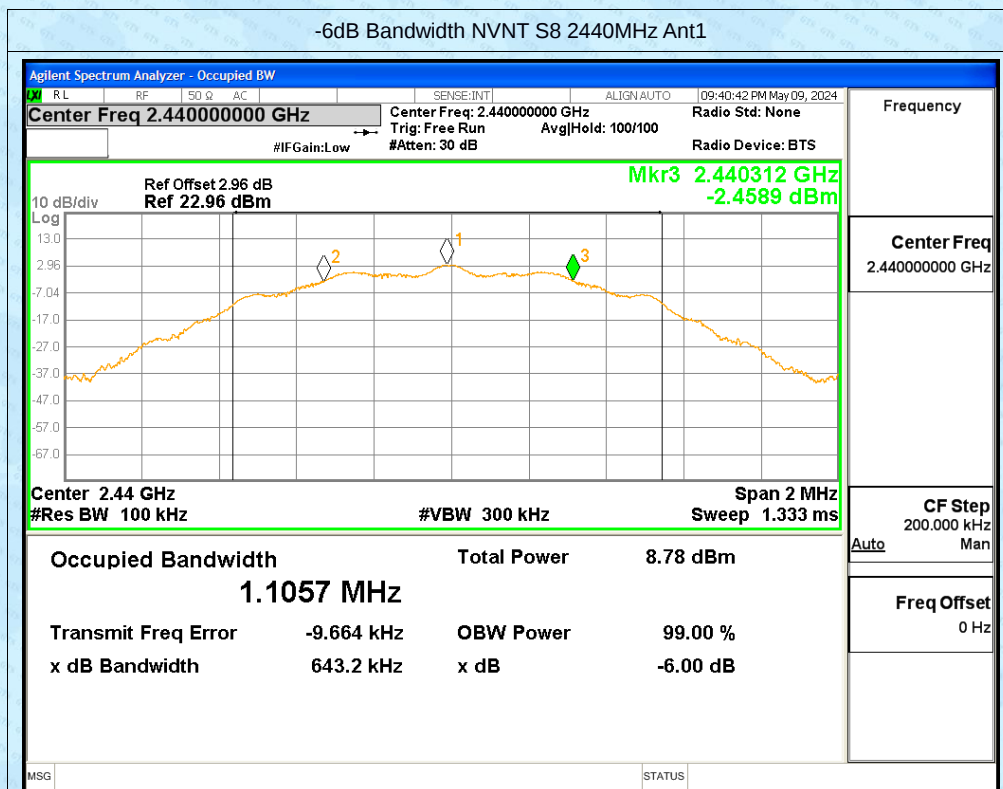


-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1



-6dB Bandwidth NVNT S8 2402MHz Ant1



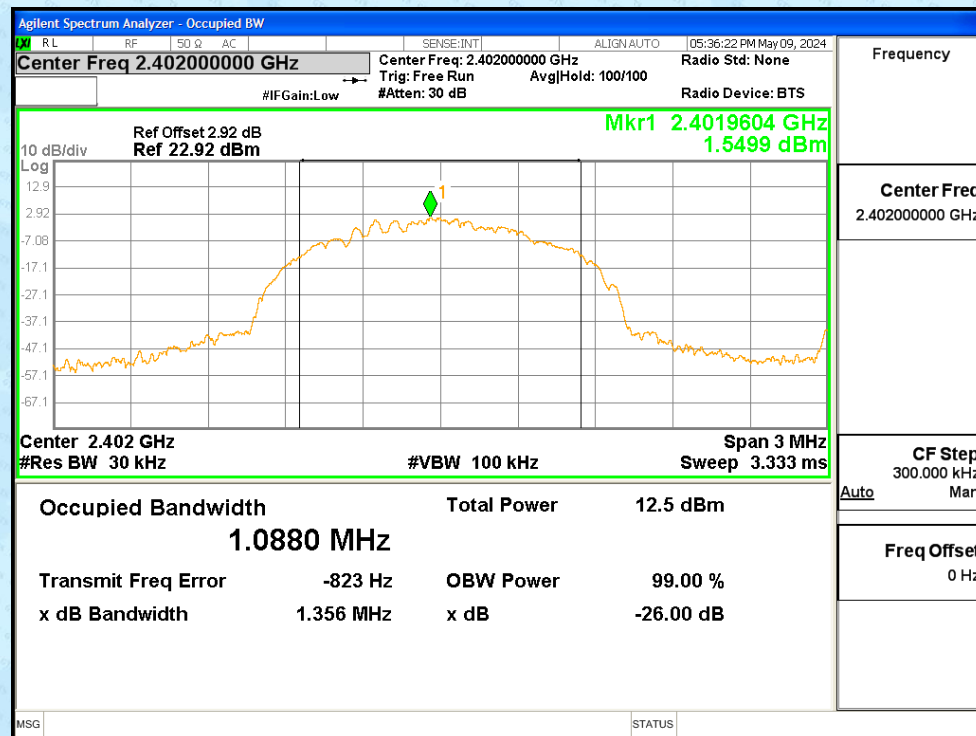


Occupied Channel Bandwidth

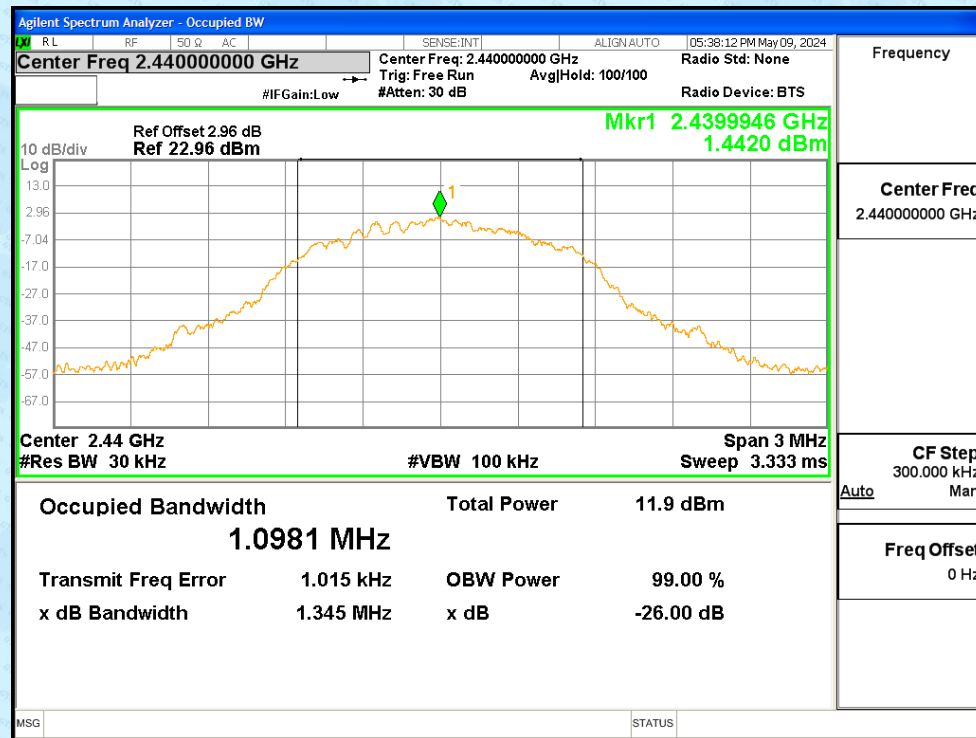
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.088
		2440		1.098
		2480		1.099
	S8	2402		1.096
		2440		1.104
		2480		1.11

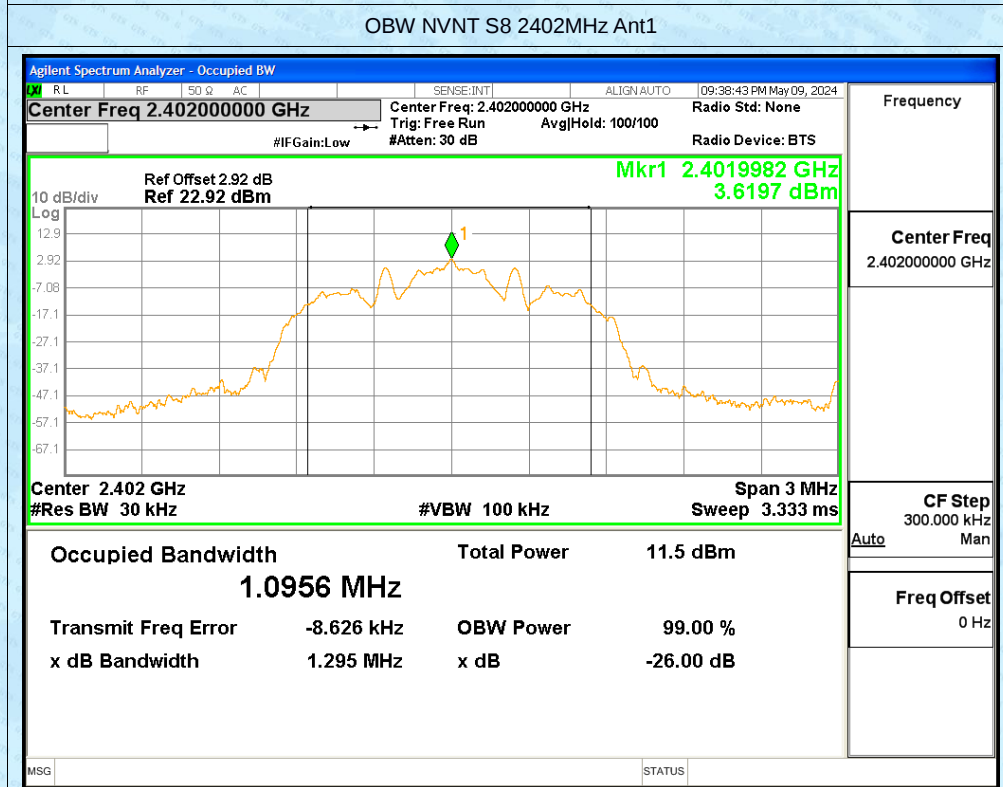
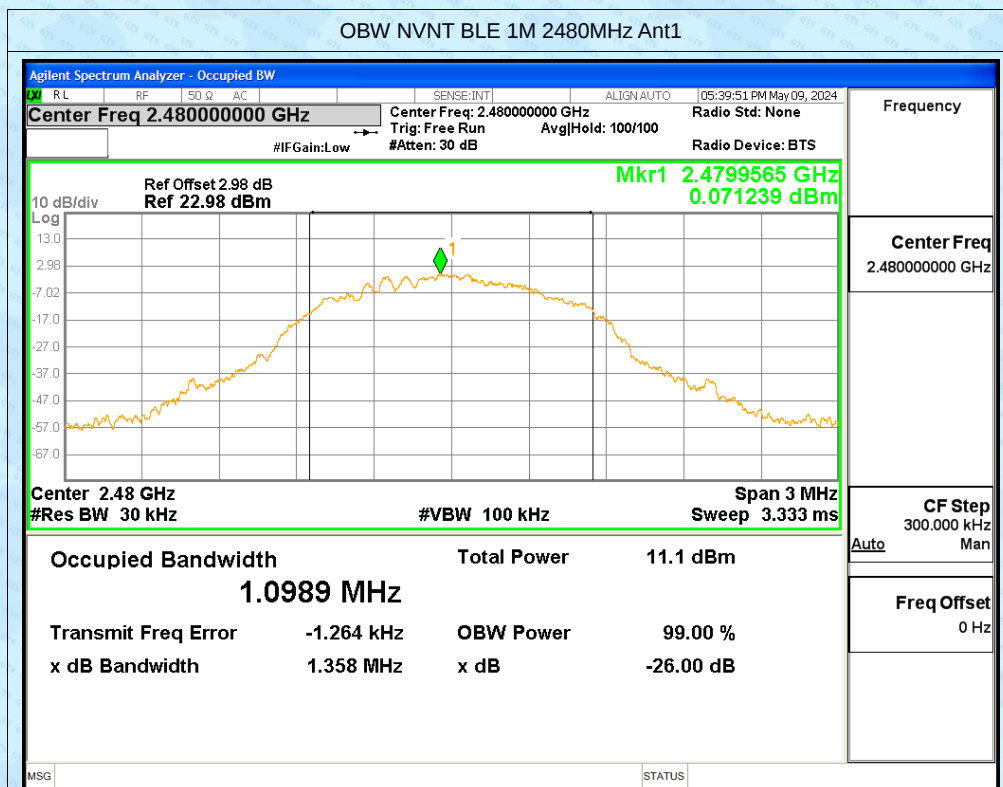
Test Graphs

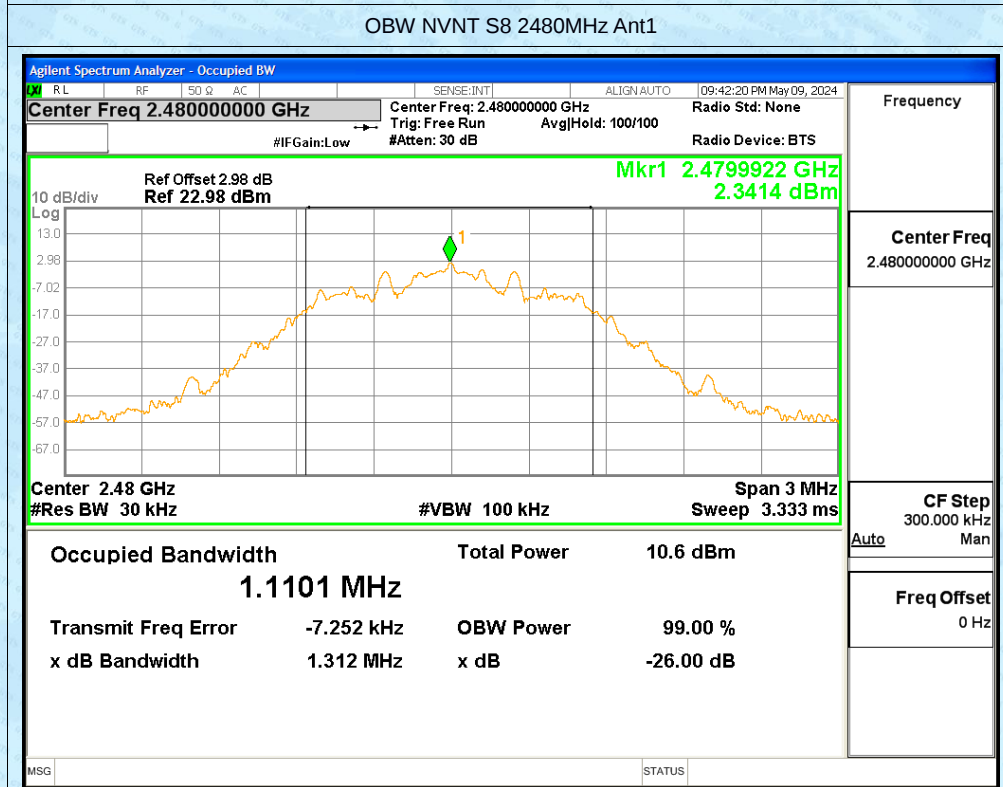
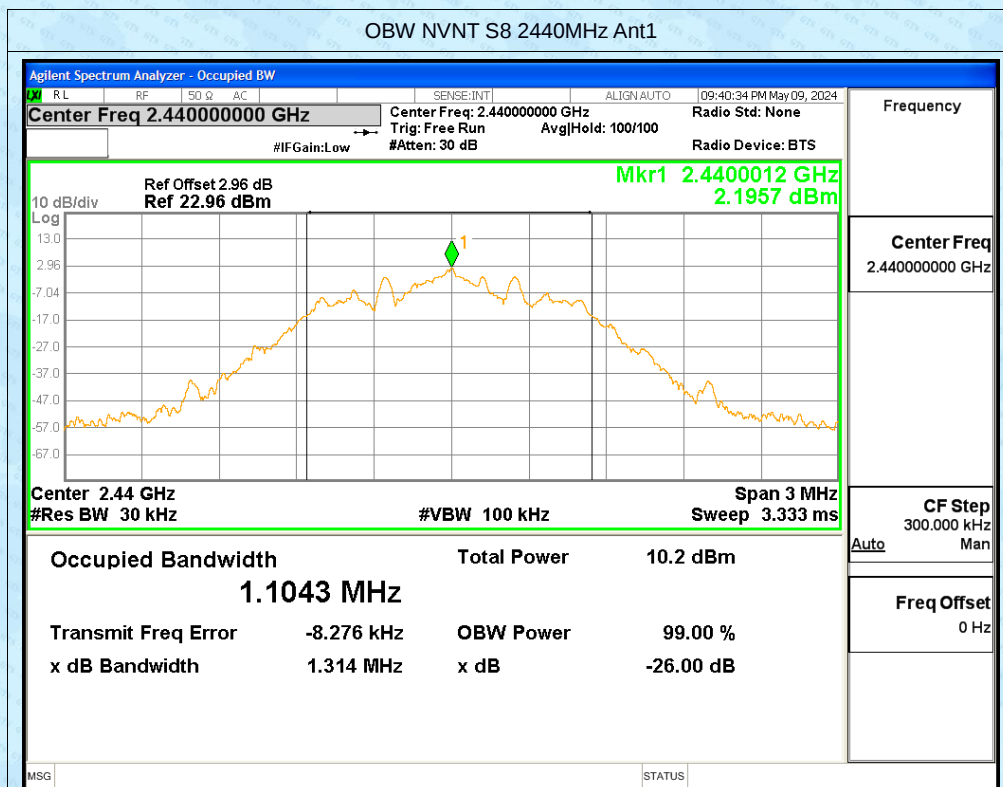
OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1





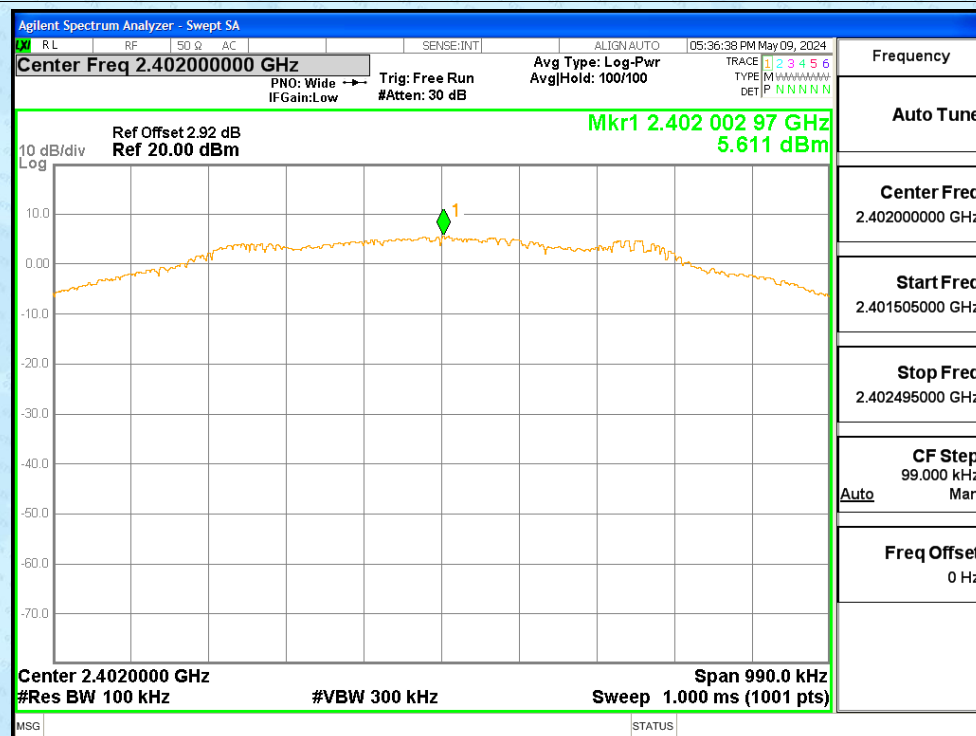


Maximum Power Spectral Density Level

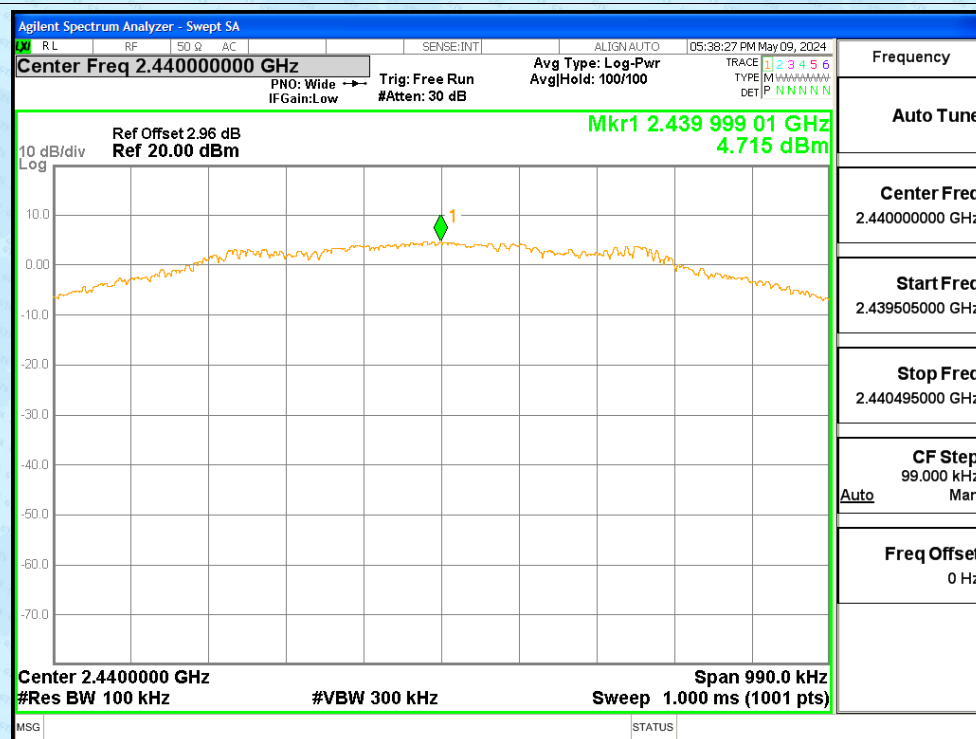
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/100kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	5.61	8	Pass
NVNT	BLE 1M	2440	Ant1	4.72	8	Pass
NVNT	BLE 1M	2480	Ant1	4.13	8	Pass
NVNT	S8	2402	Ant1	4.32	8	Pass
NVNT	S8	2440	Ant1	3.43	8	Pass
NVNT	S8	2480	Ant1	3.61	8	Pass

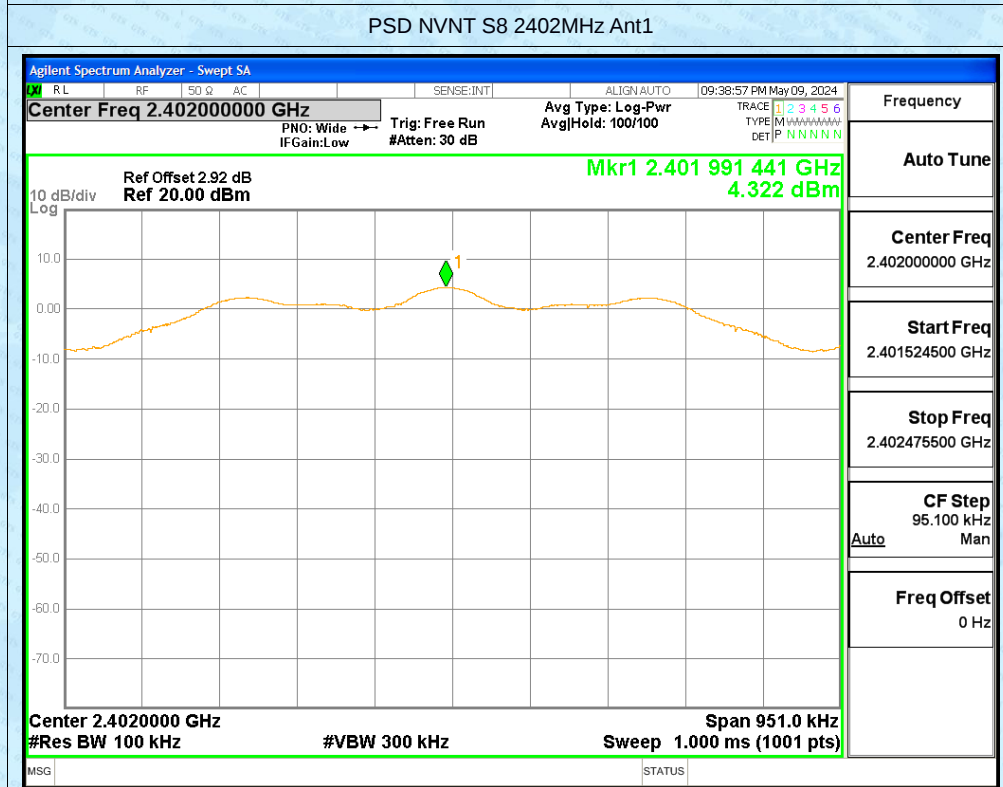
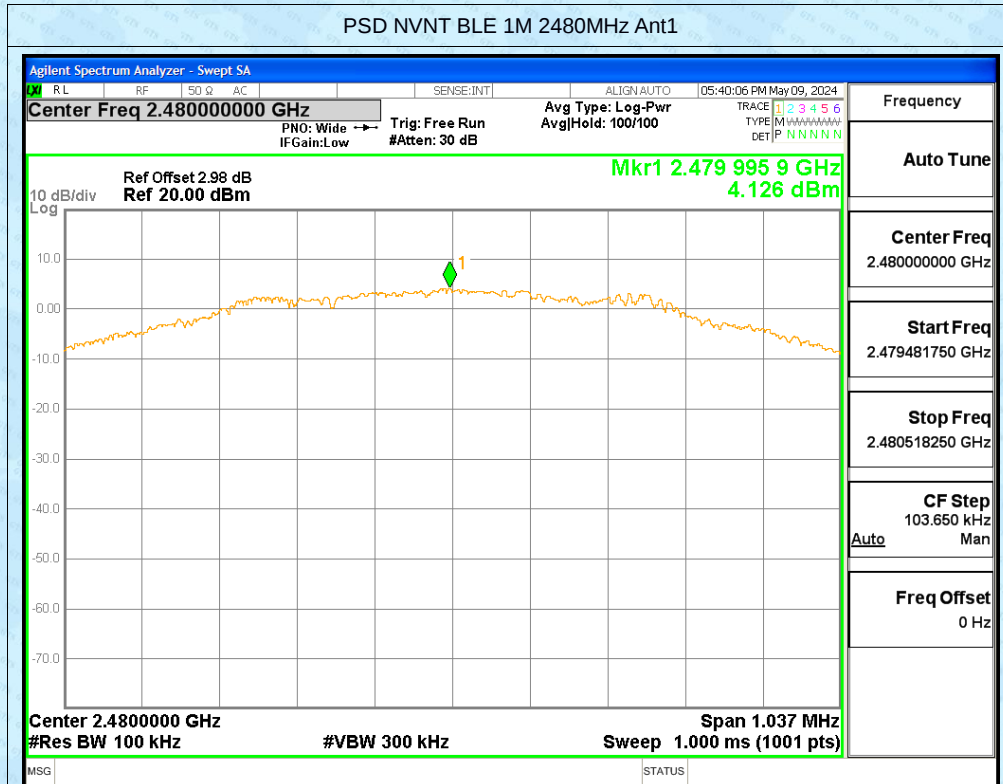
Test Graphs

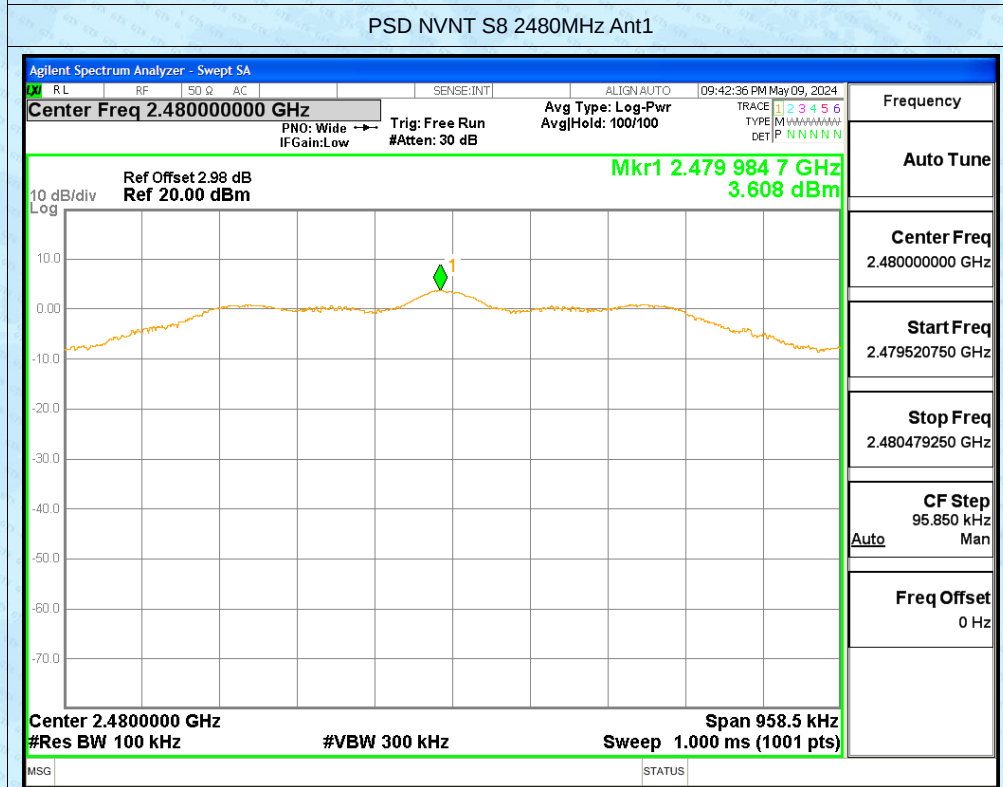
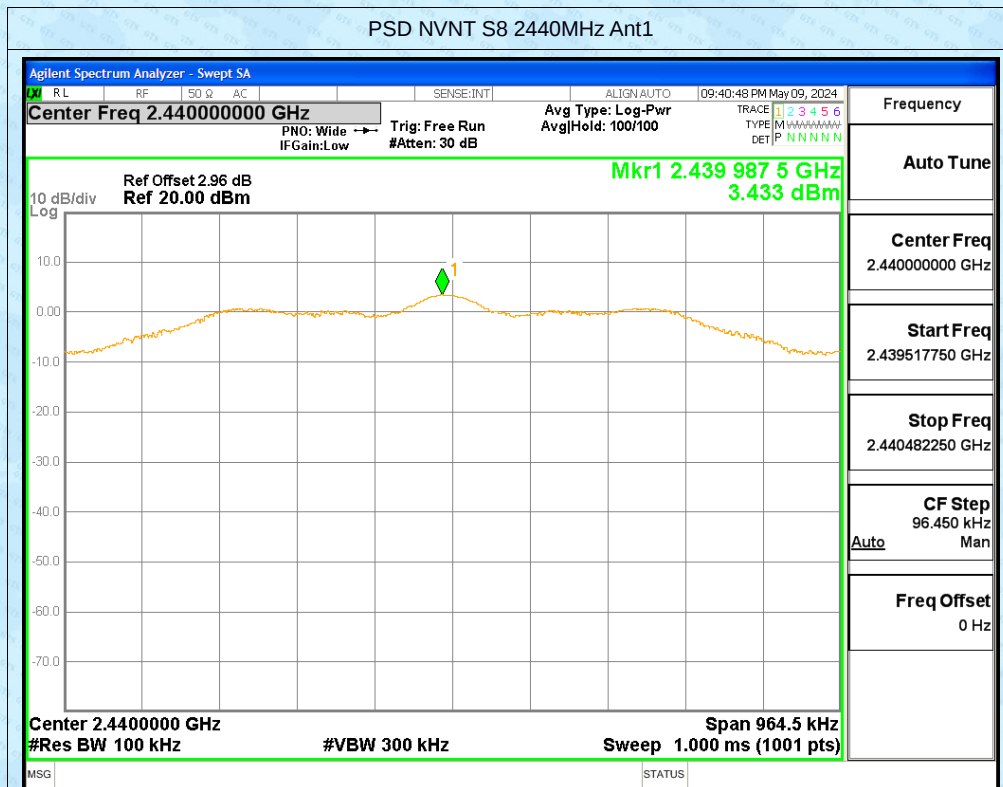
PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1





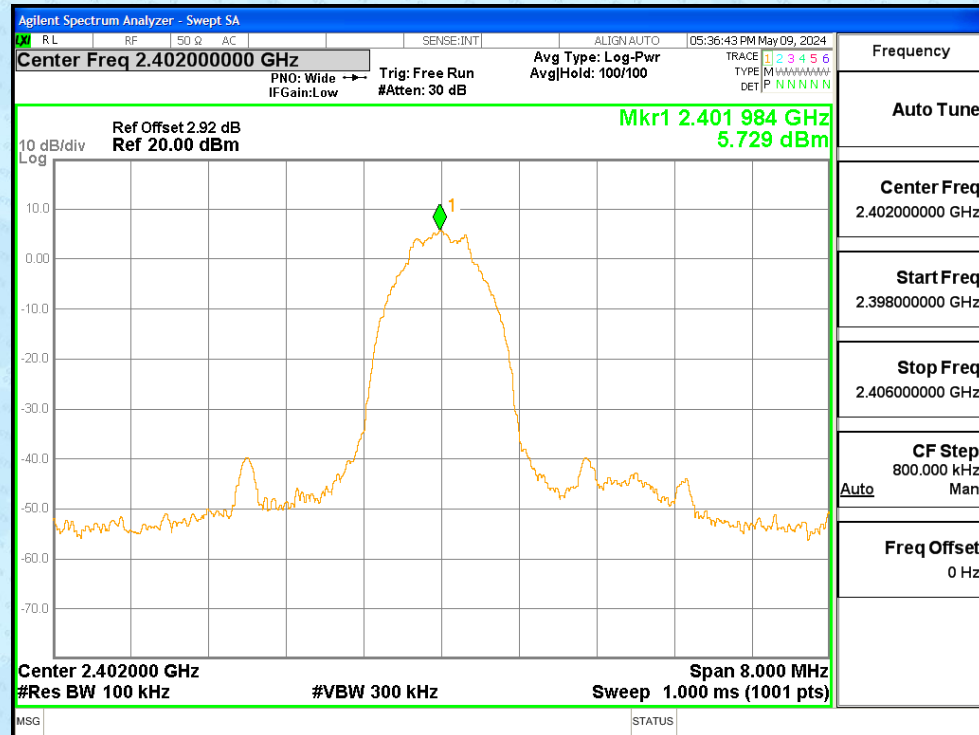


Band Edge

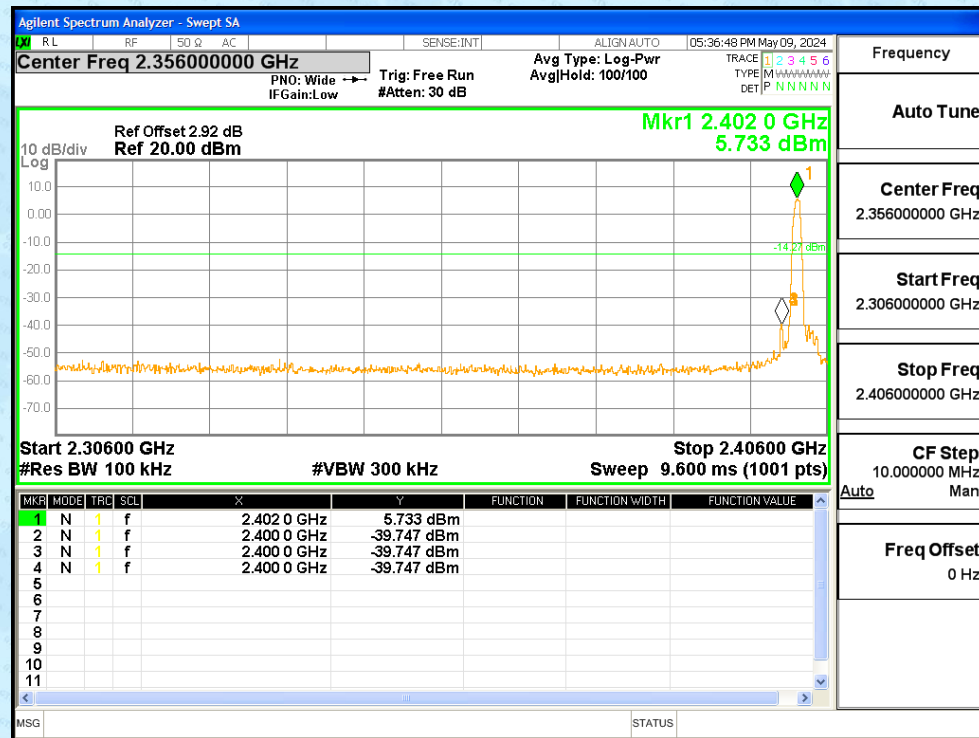
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-45.47	-20	Pass
		2480		-56.17	-20	Pass
	S8	2402		-43.02	-20	Pass
		2480		-54.68	-20	Pass

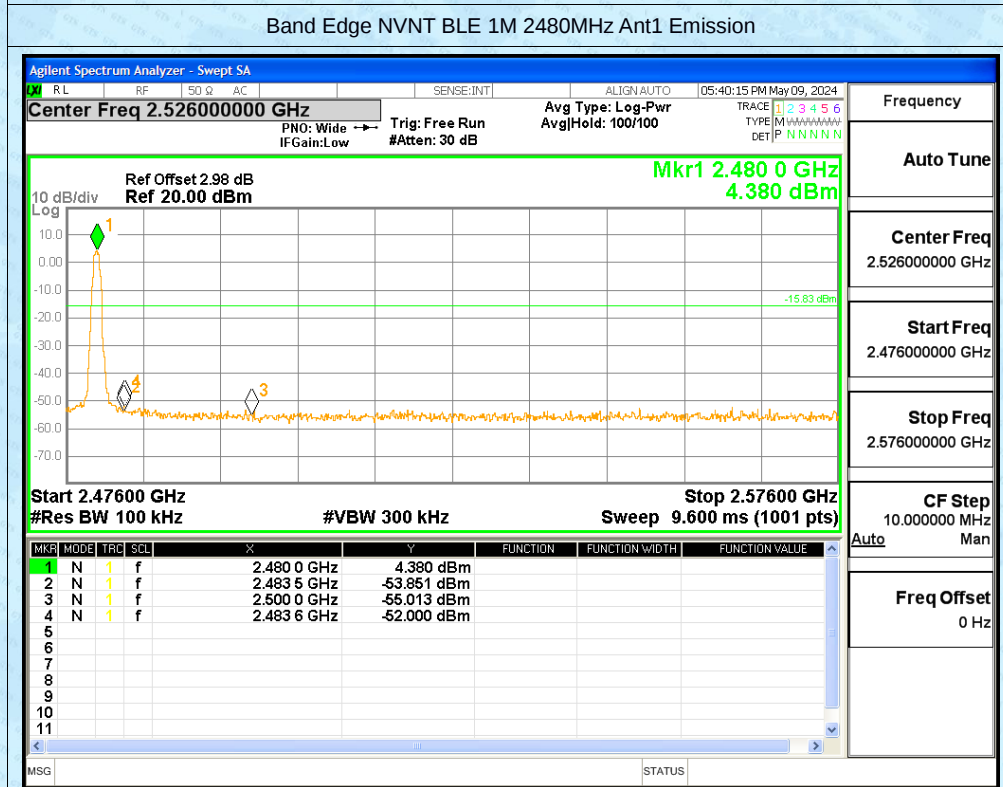
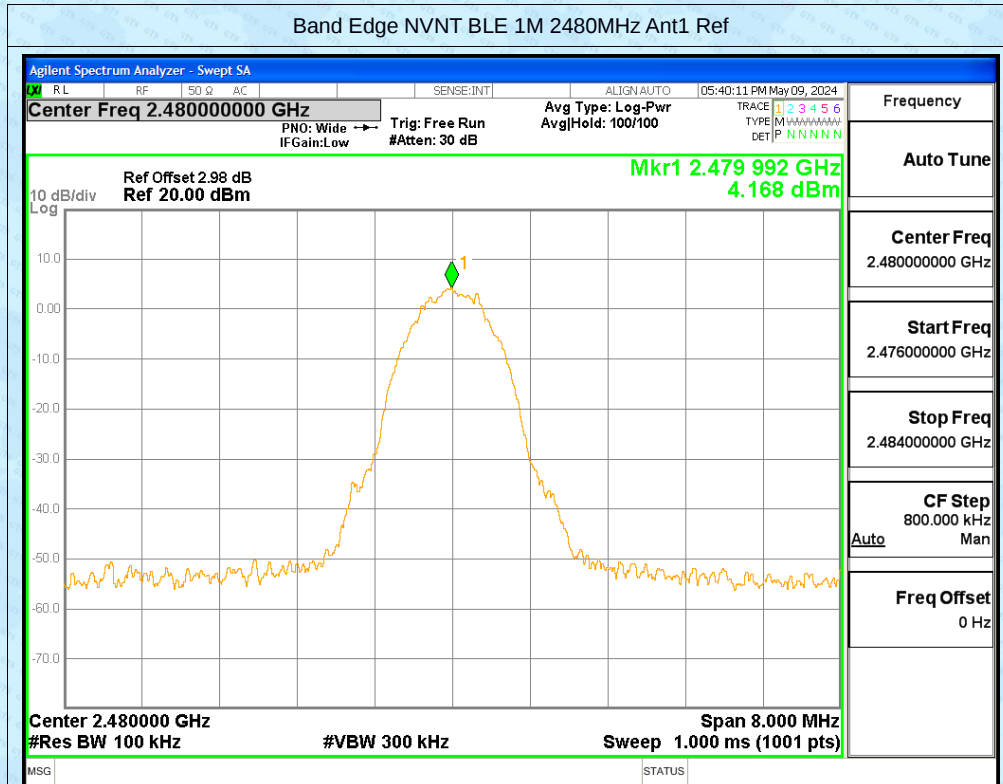
Test Graphs

Band Edge NVNT BLE 1M 2402MHz Ant1 Ref

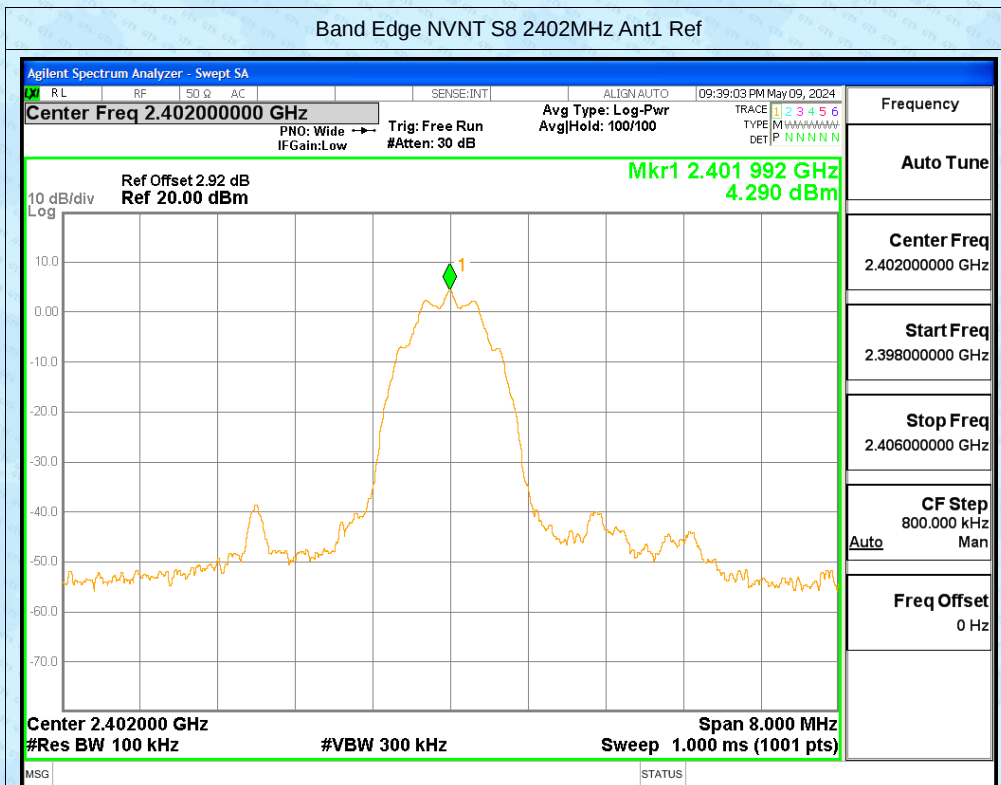


Band Edge NVNT BLE 1M 2402MHz Ant1 Emission

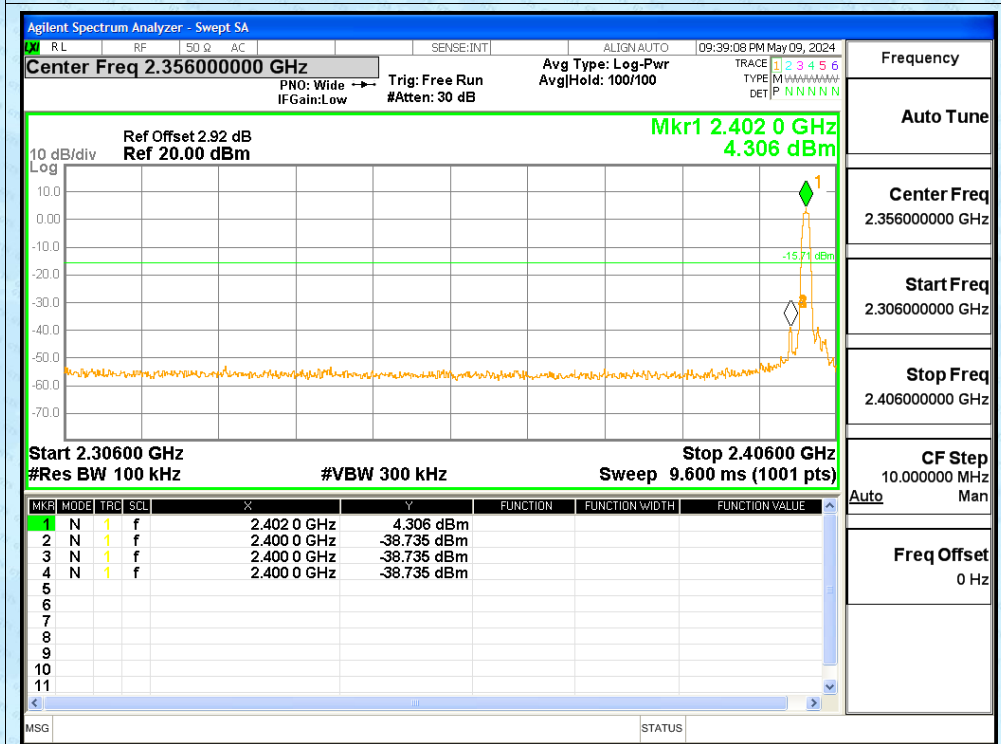


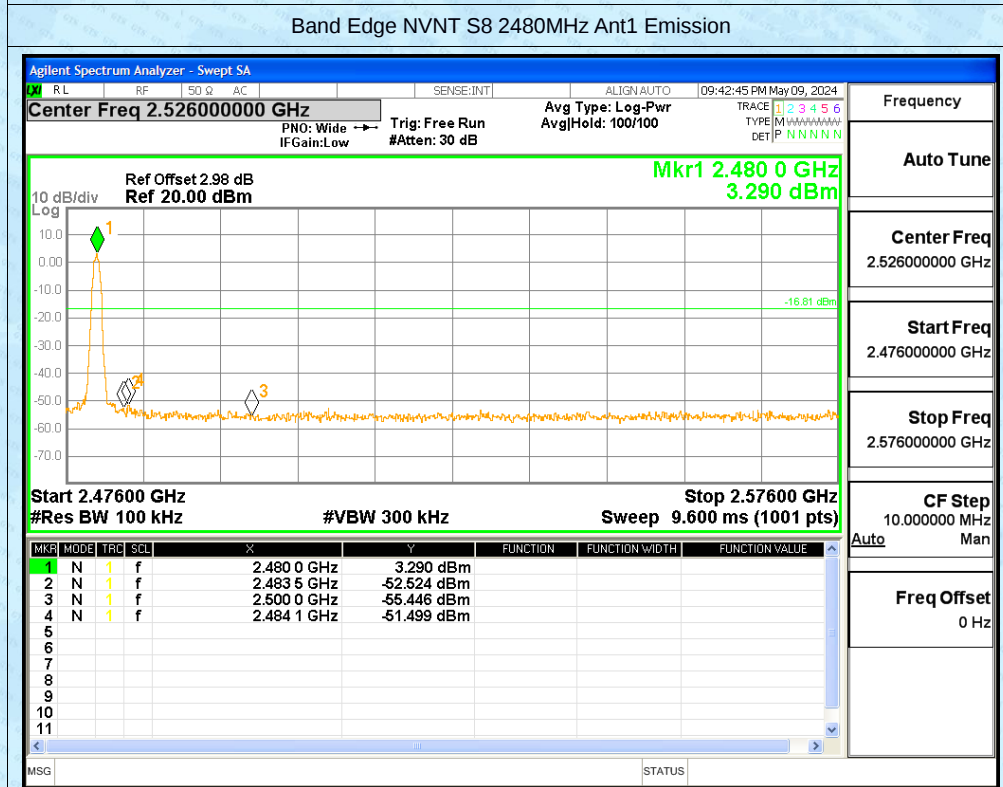
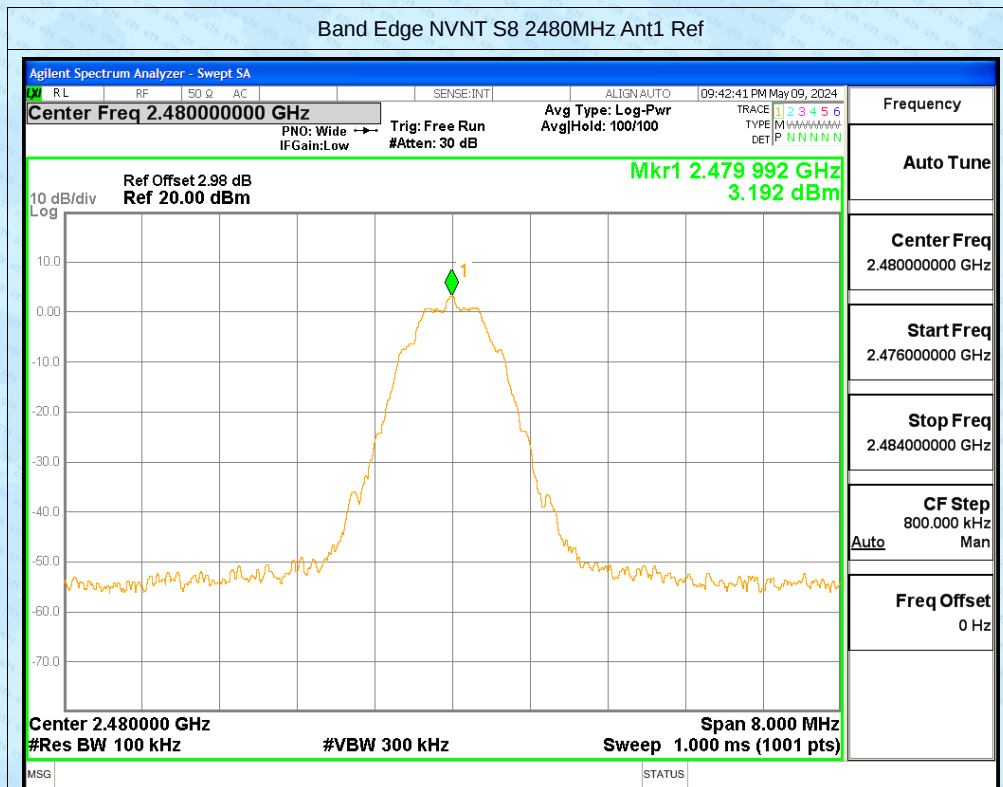


Band Edge NVNT S8 2402MHz Ant1 Ref



Band Edge NVNT S8 2402MHz Ant1 Emission



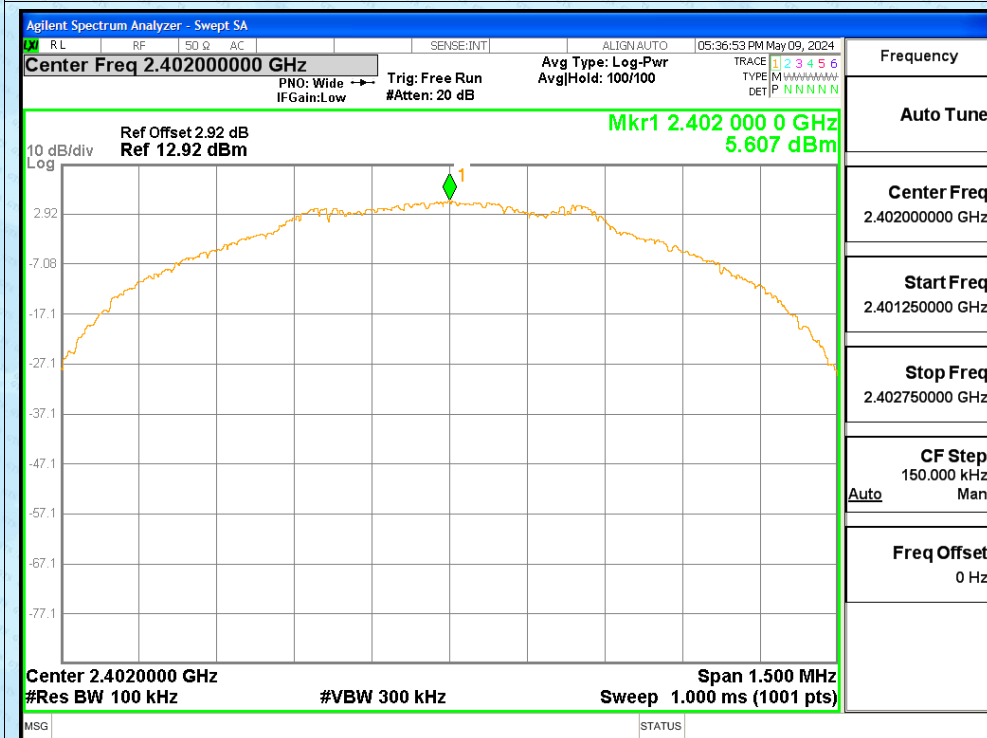


Conducted RF Spurious Emission

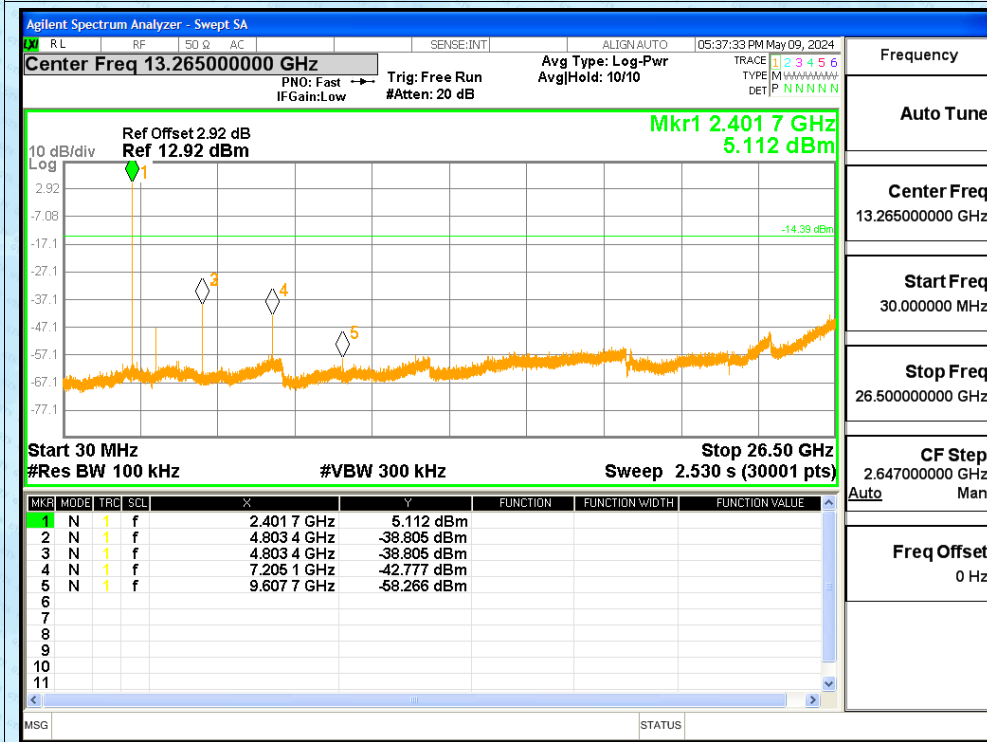
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-44.41	-20	Pass
		2440		-42.8	-20	Pass
		2480		-44.15	-20	Pass
	S8	2402		-43.2	-20	Pass
		2440		-44.04	-20	Pass
		2480		-44.61	-20	Pass

Test Graphs

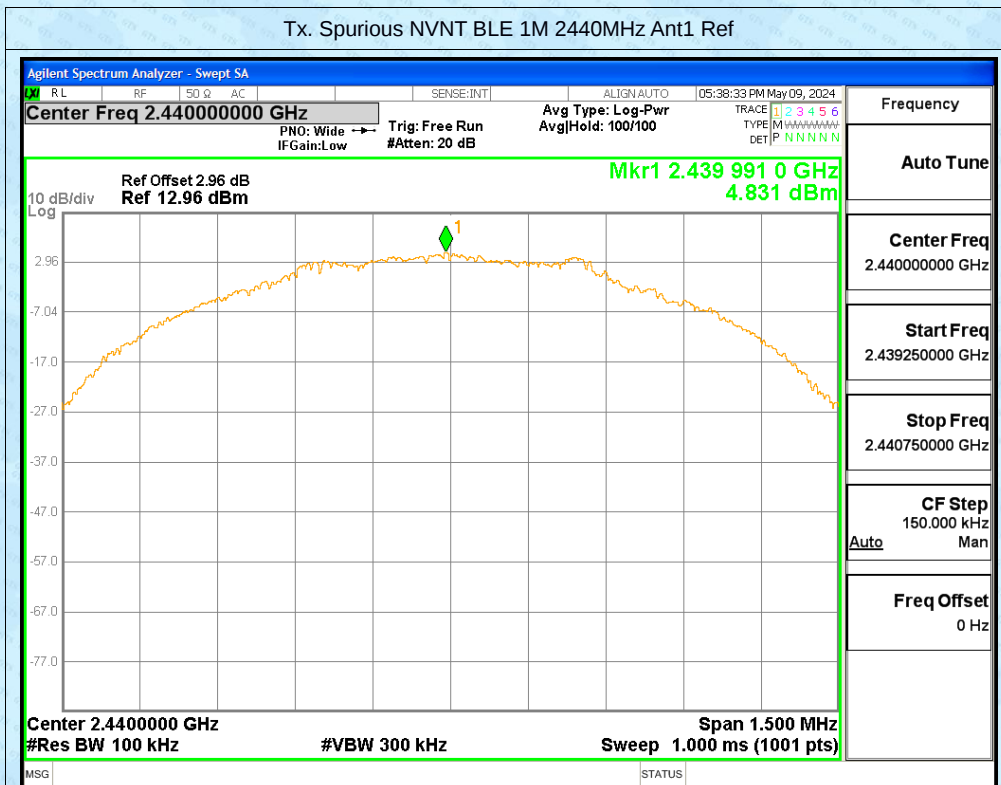
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



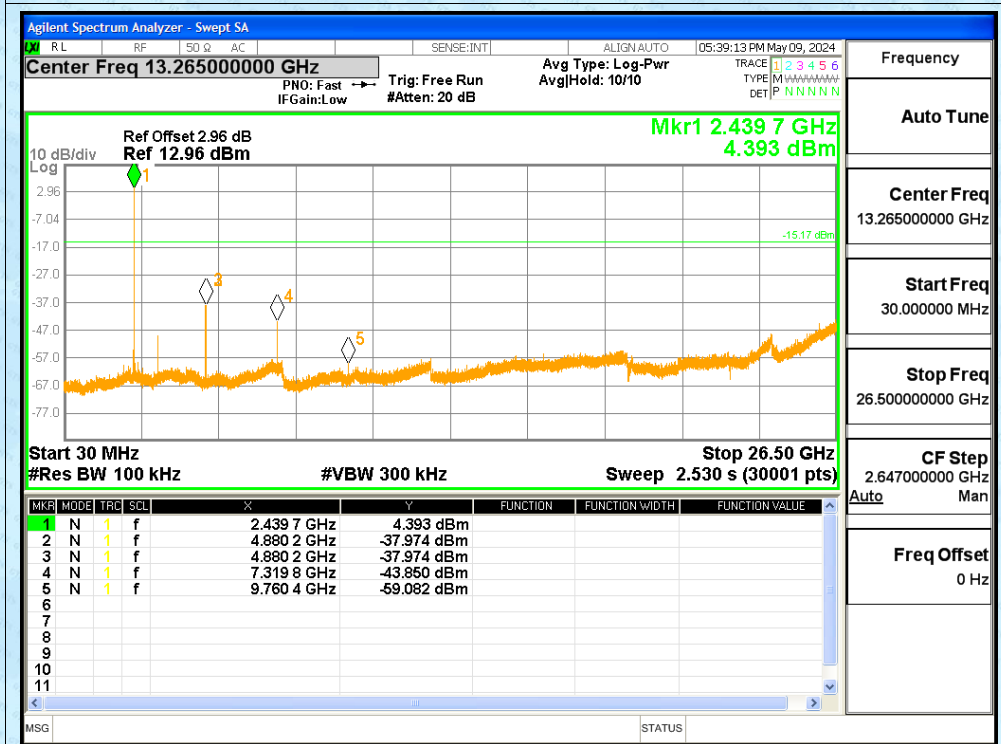
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



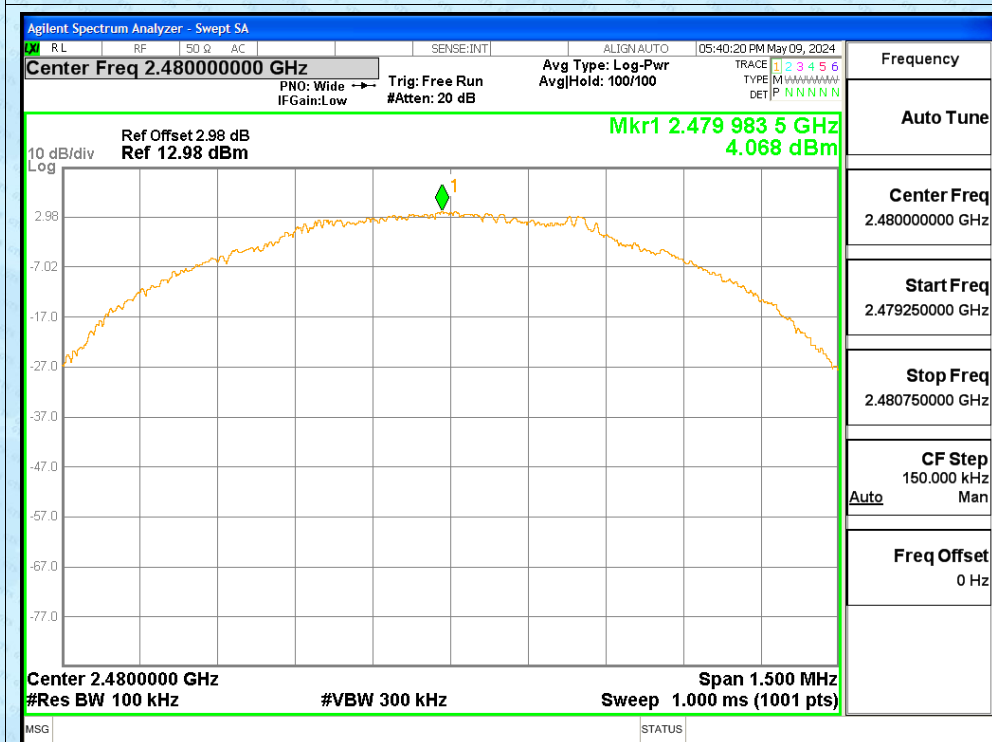
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



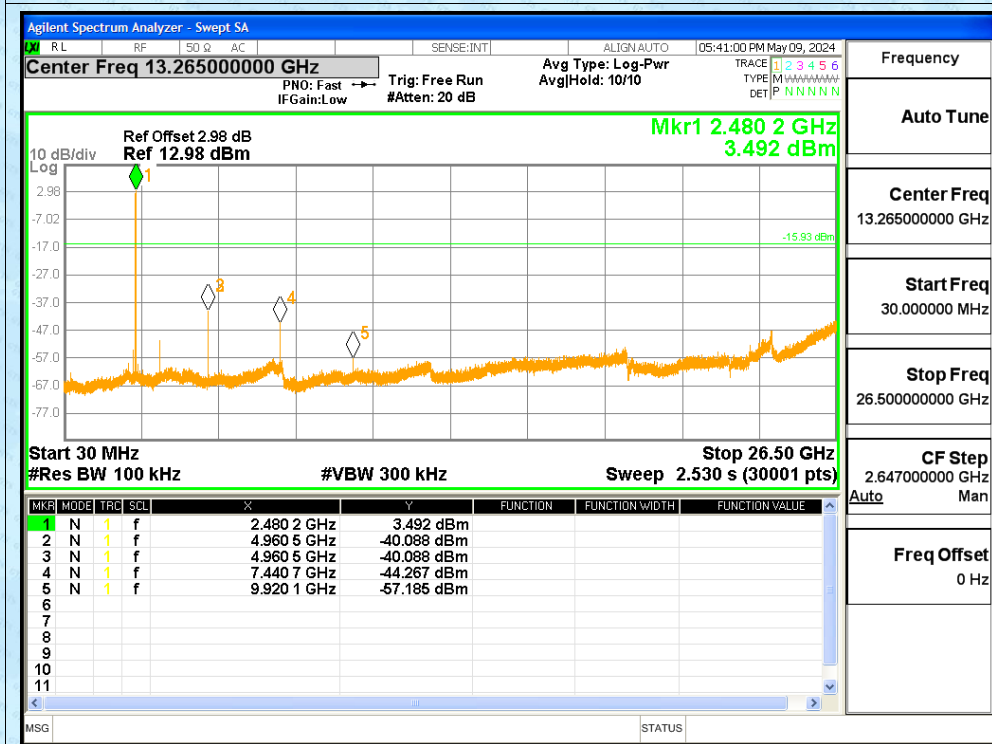
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission

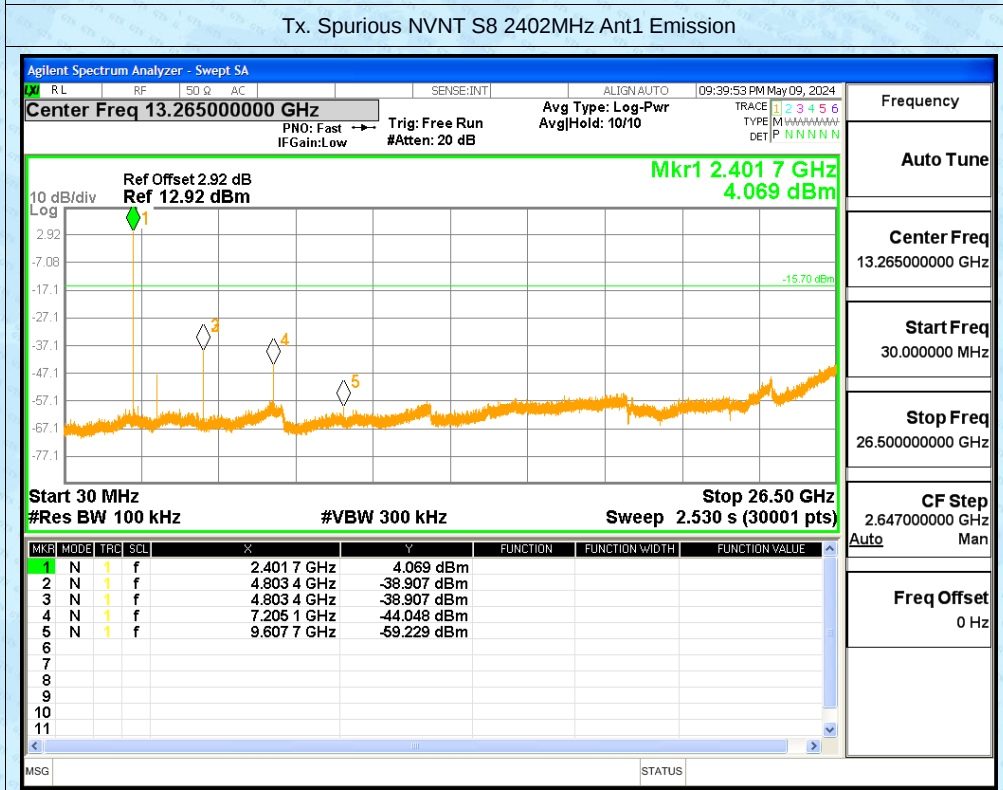
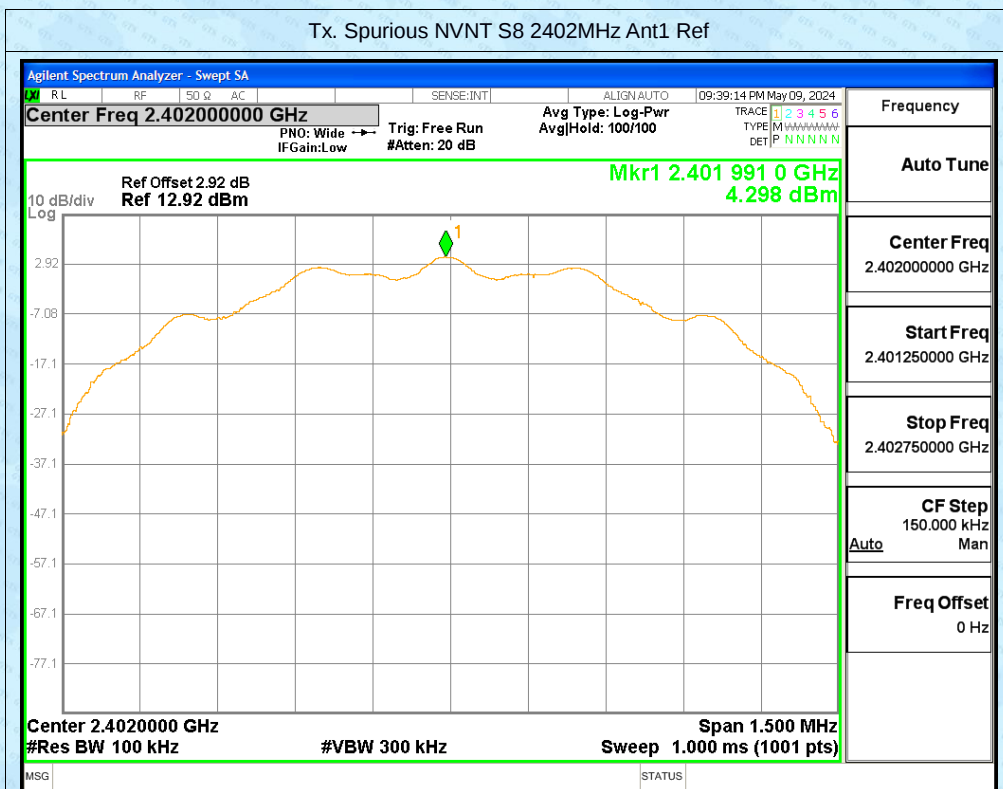


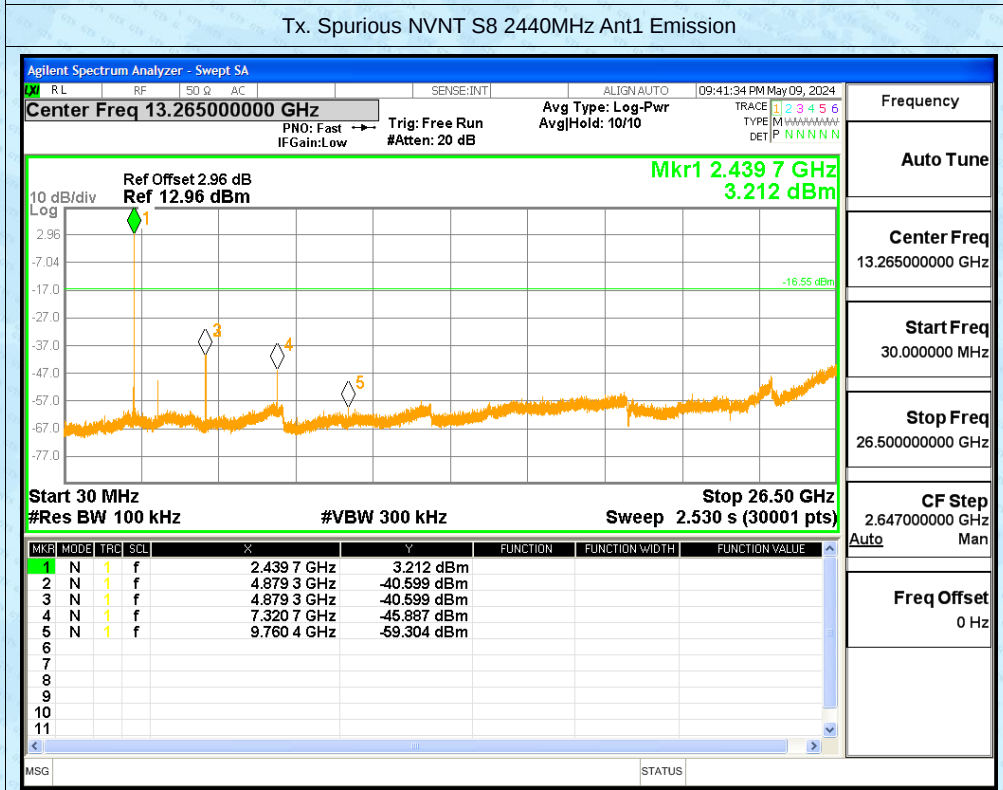
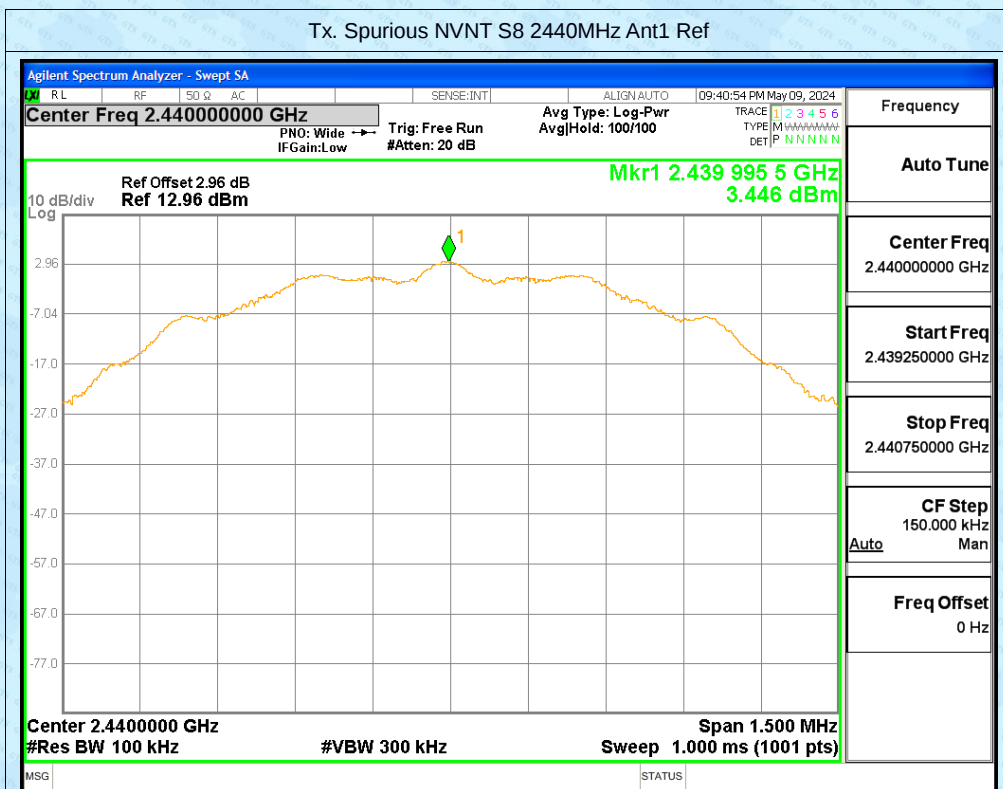
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



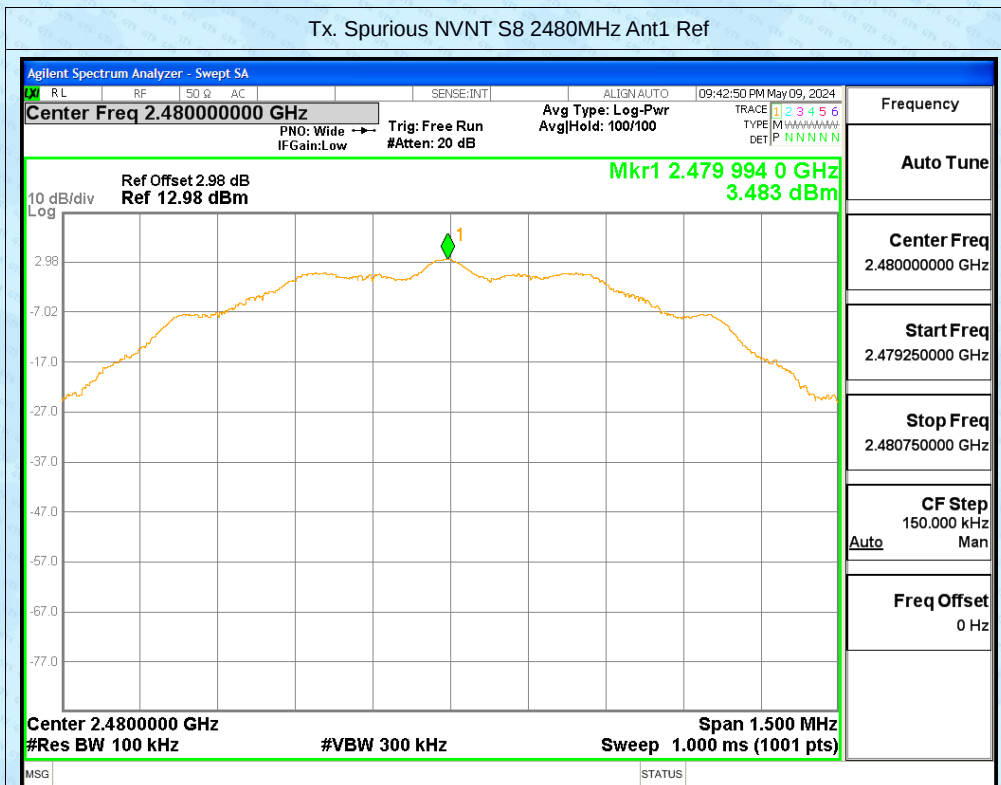
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



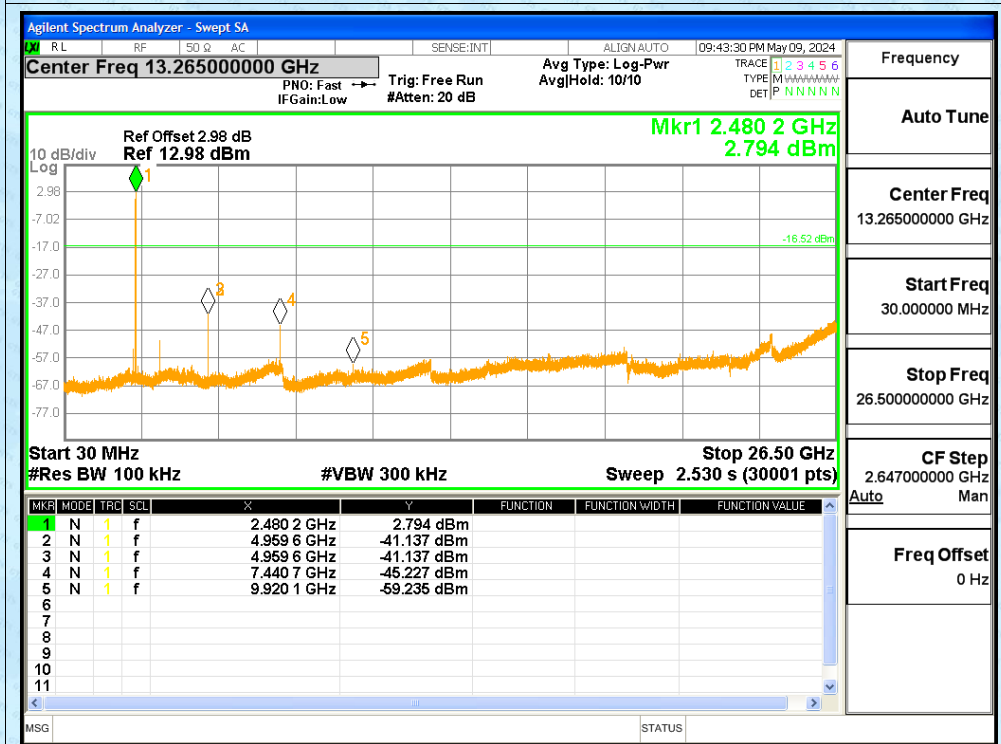




Tx. Spurious NVNT S8 2480MHz Ant1 Ref



Tx. Spurious NVNT S8 2480MHz Ant1 Emission



-----End-----