

Appendix for 15.247

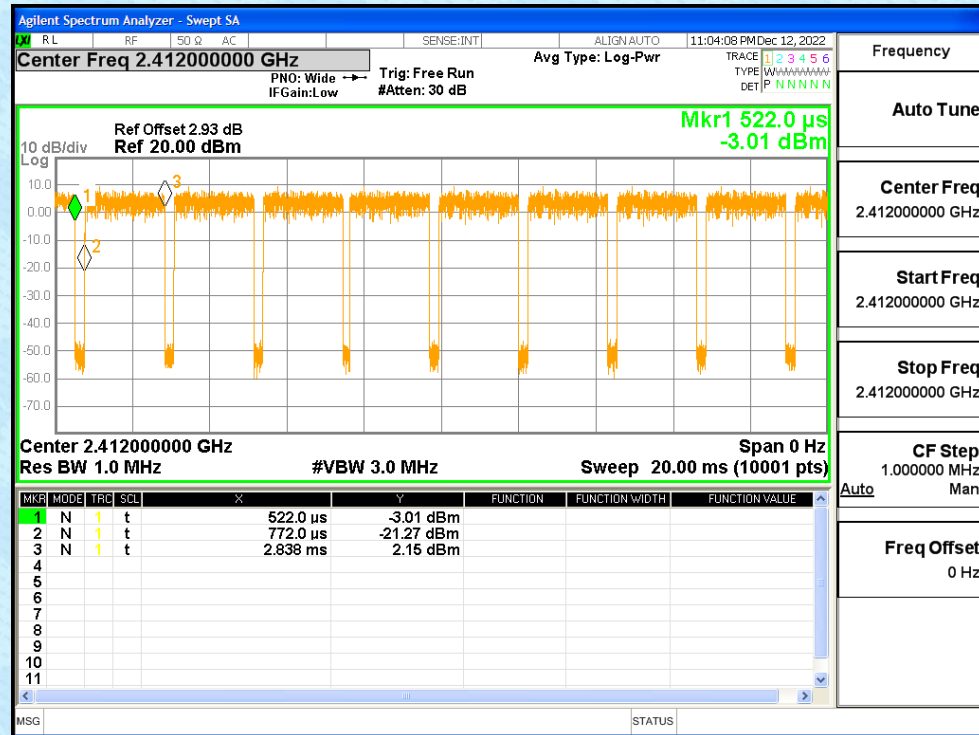
Duty Cycle	2
Maximum Conducted Output Power	9
-6dB Bandwidth	10
Occupied Channel Bandwidth	16
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Band Edge	29
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Duty Cycle

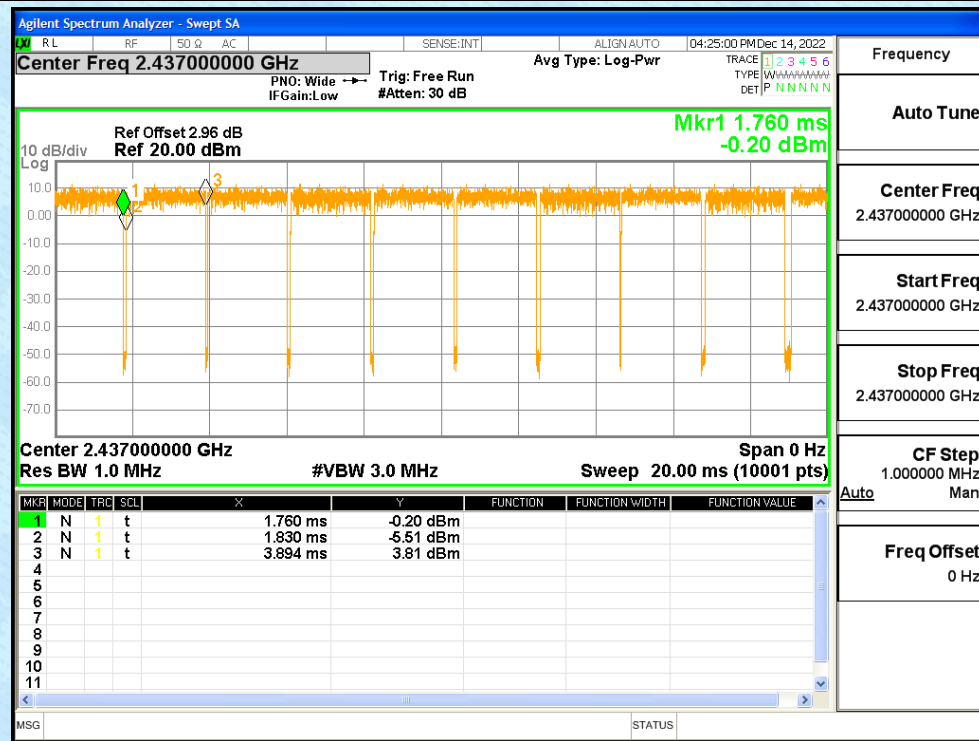
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	g	2412	Ant1	89.21	0.50	0.48
		2437		96.72	0.14	0.48
		2462		89.83	0.47	0.48
	n20	2412	Ant1	89.58	0.48	0.48
		2437		94.68	0.24	0.48
		2462		89.67	0.47	0.48
		2412	Ant2	89.67	0.47	0.48
		2437		95.12	0.22	0.48
		2462		89.97	0.46	0.48

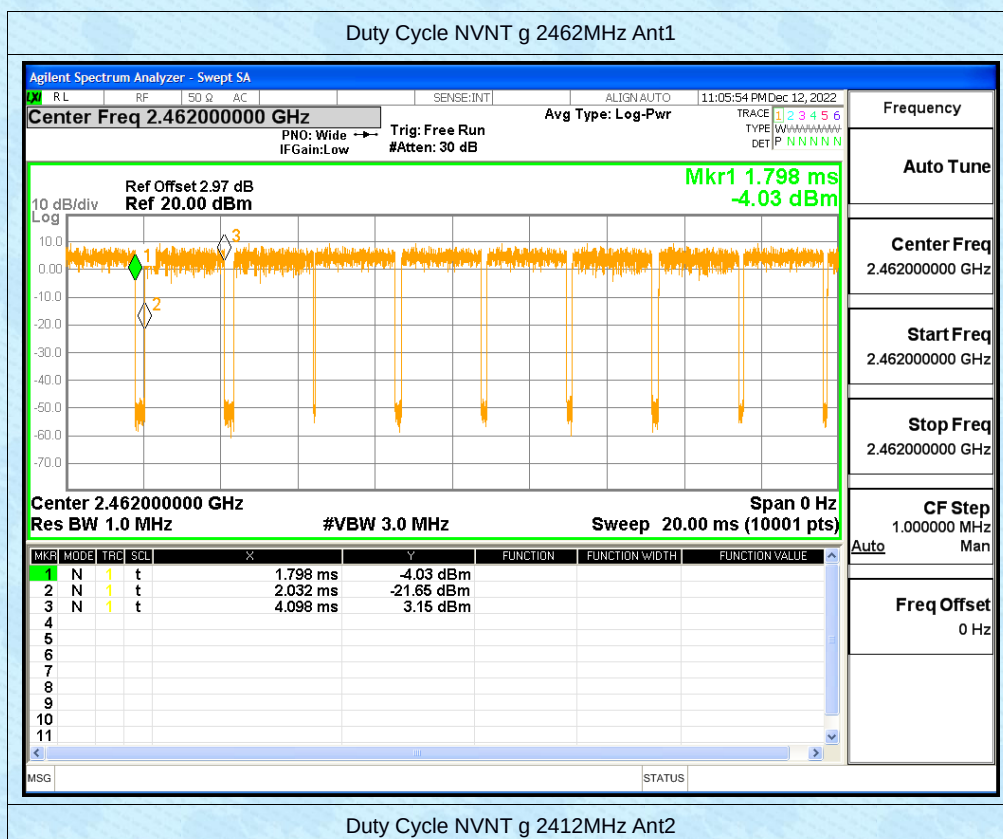
Test Graphs

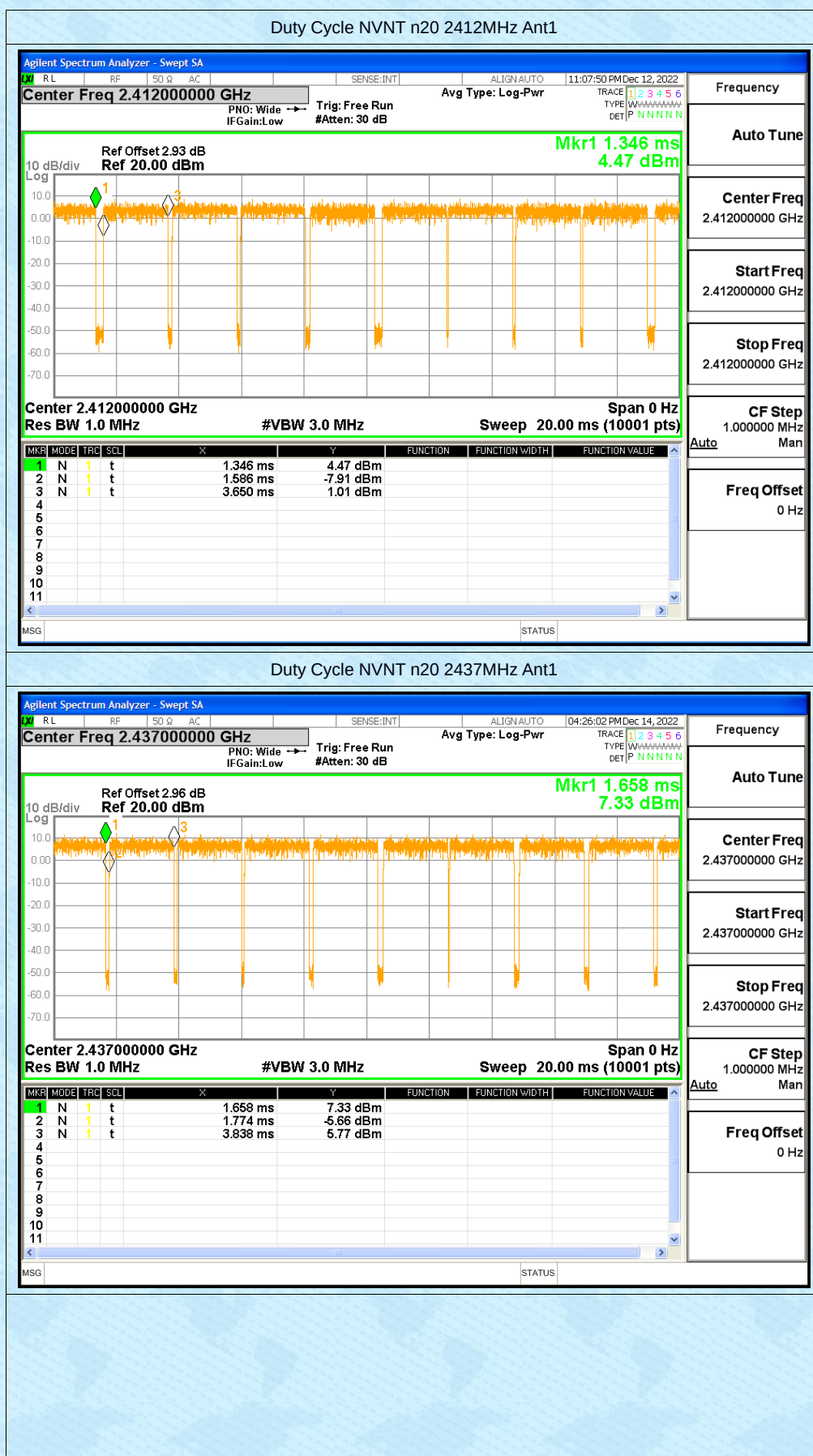
Duty Cycle NVNT g 2412MHz Ant1

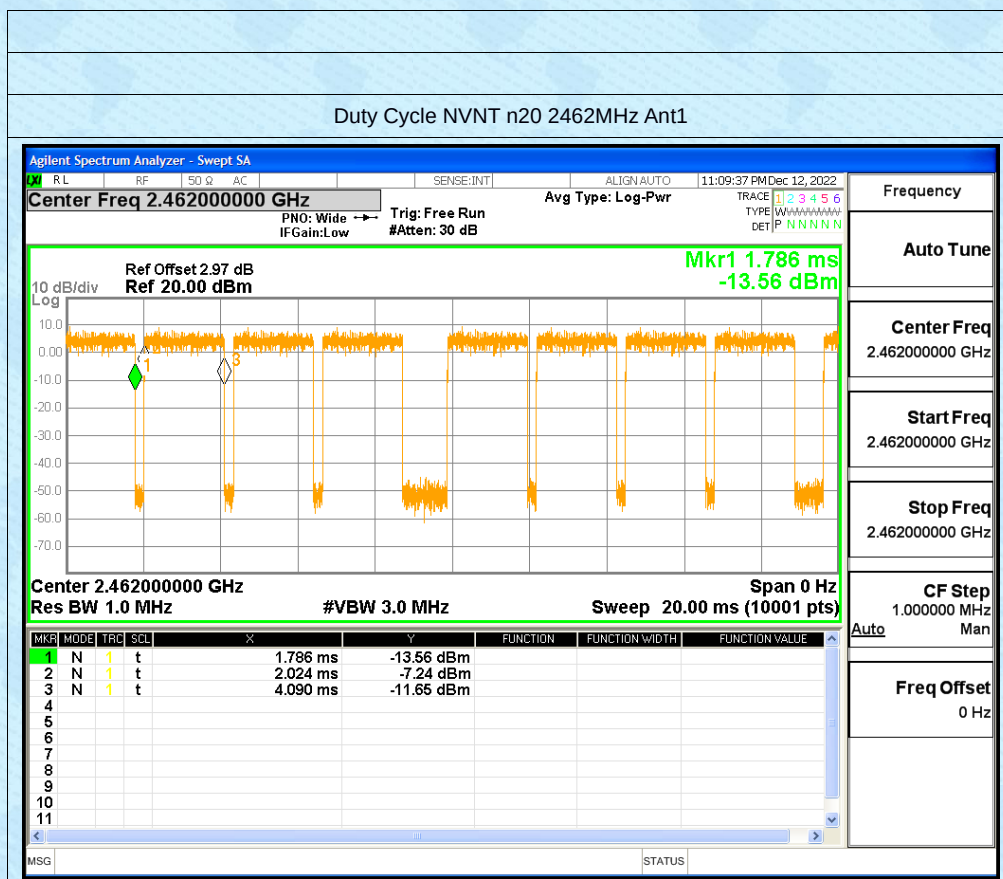


Duty Cycle NVNT g 2437MHz Ant1

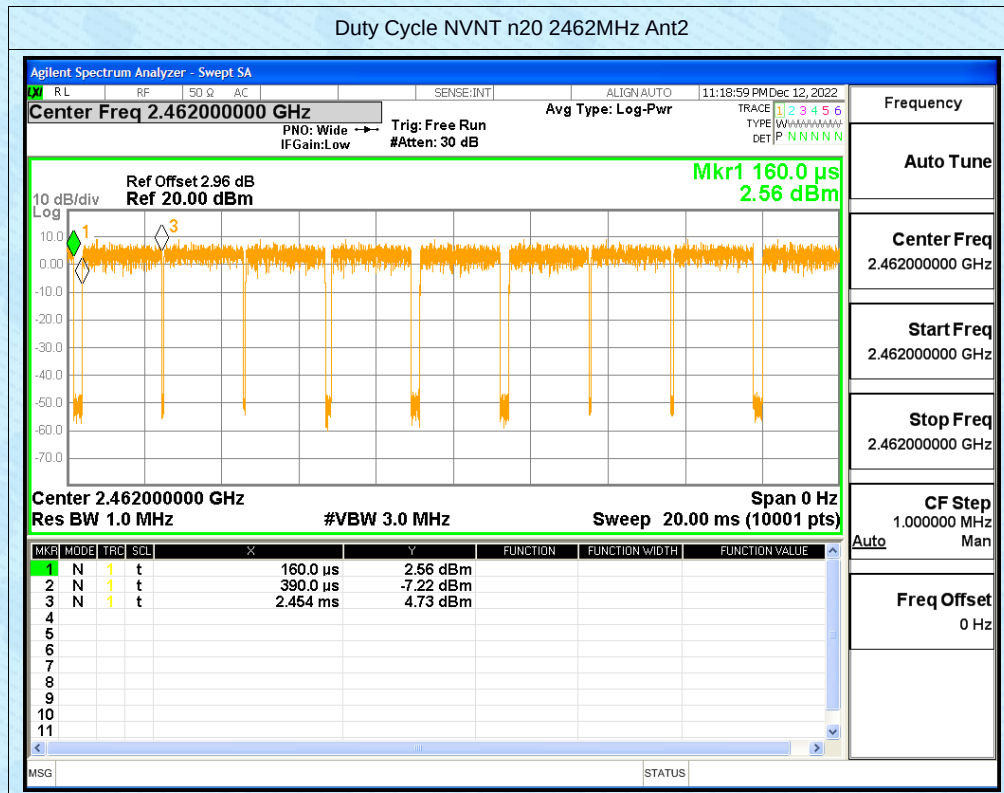










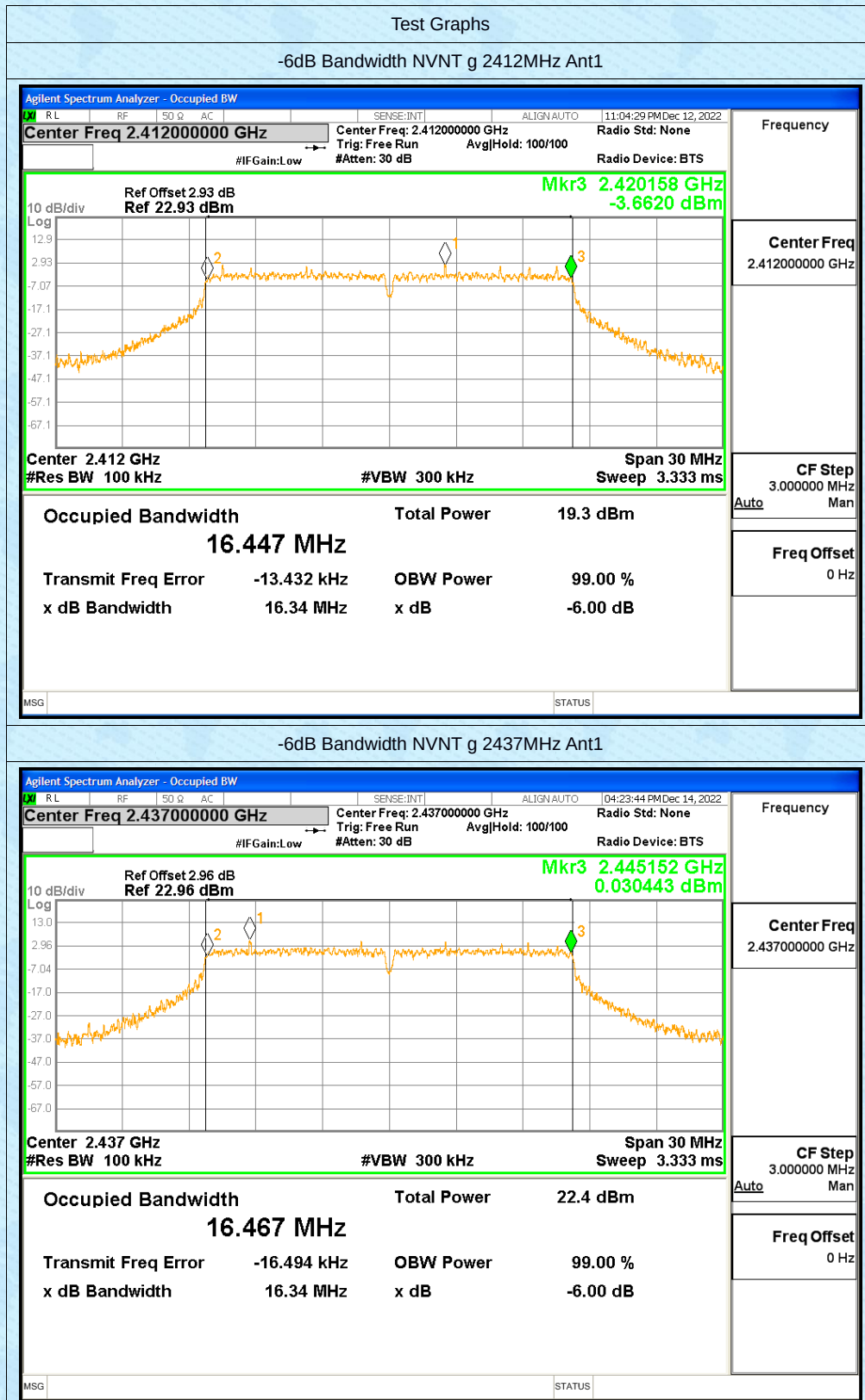


Maximum Conducted Output Power

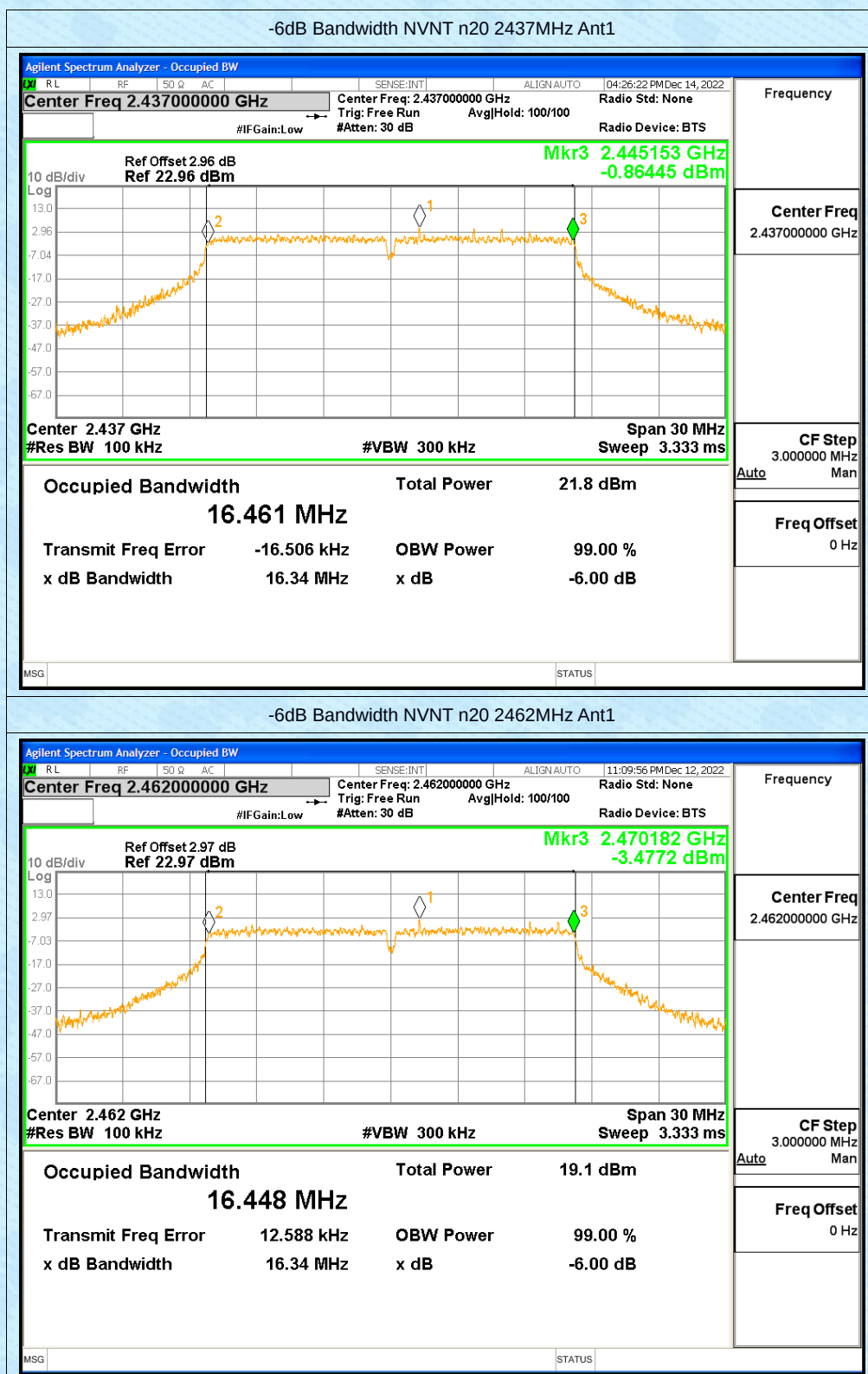
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	g	2412	Ant1	13.64	0	13.64	30	Pass
		2437		16.30	0	16.3	30	Pass
		2462		13.98	0	13.98	30	Pass
		2412	Ant2	13.05	0	13.05	30	Pass
		2437		13.36	0	13.36	30	Pass
		2462		13.34	0	13.34	30	Pass
	n20	2412	Ant1	9.76	0	9.76	30	Pass
			Ant2	9.83	0	9.83	30	Pass
			Sum	12.81	0	12.81	30	Pass
		2437	Ant1	11.68	0	11.68	30	Pass
			Ant2	12.07	0	12.07	30	Pass
			Sum	14.89	0	14.89	30	Pass
		2462	Ant1	9.45	0	9.45	30	Pass
			Ant2	9.61	0	9.61	30	Pass
			Sum	12.54	0	12.54	30	Pass

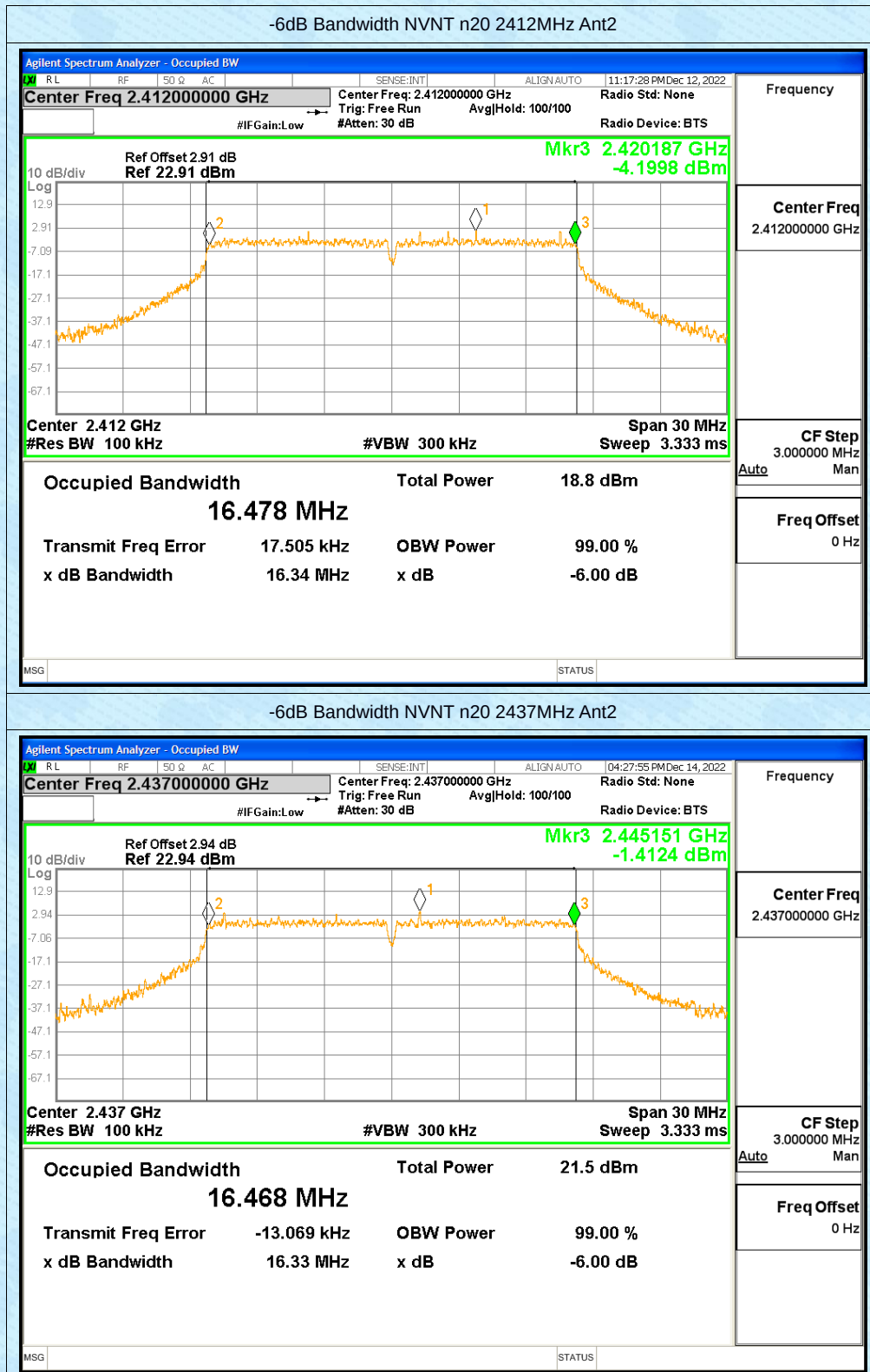
-6dB Bandwidth

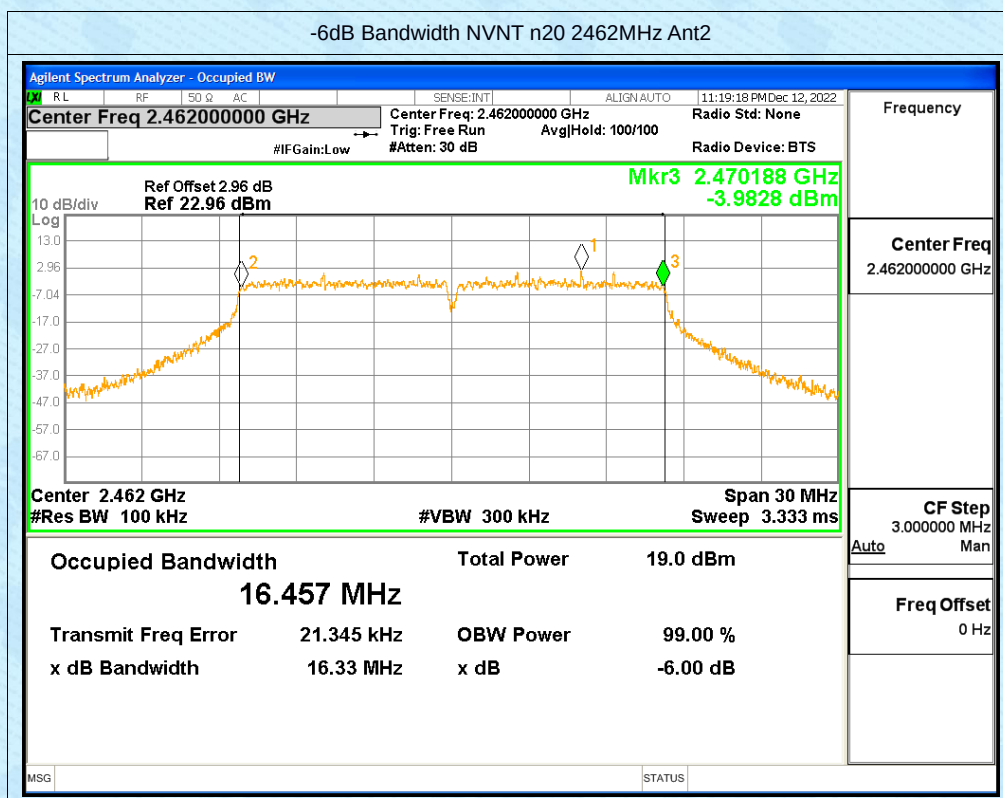
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	g	2412	Ant1/Ant2	16.342	0.5	Pass
		2437		16.337	0.5	Pass
		2462		16.342	0.5	Pass
	n20	2412	Ant1	16.328	0.5	Pass
		2437		16.34	0.5	Pass
		2462		16.338	0.5	Pass
		2412	Ant2	16.338	0.5	Pass
		2437		16.328	0.5	Pass
		2462		16.334	0.5	Pass





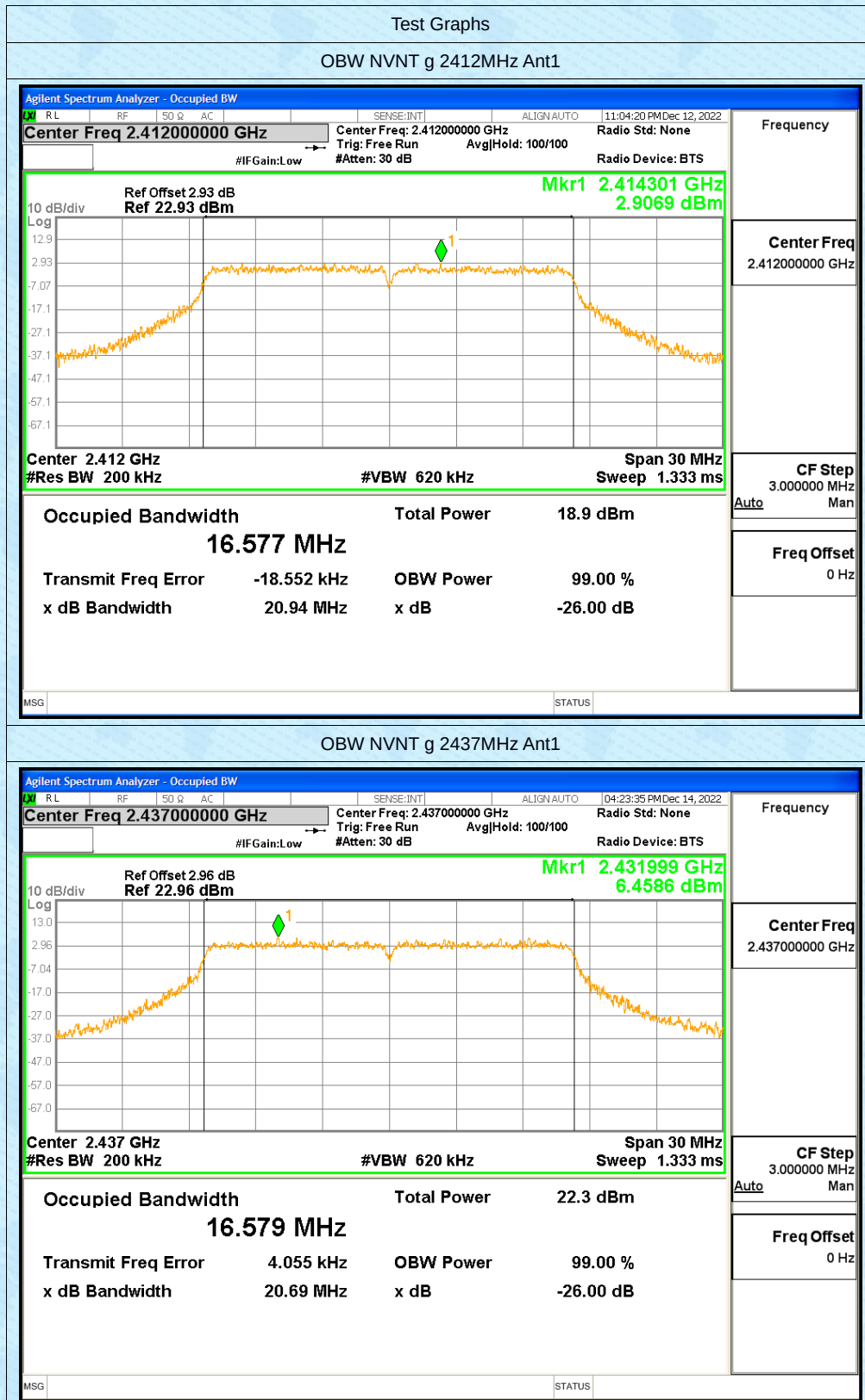




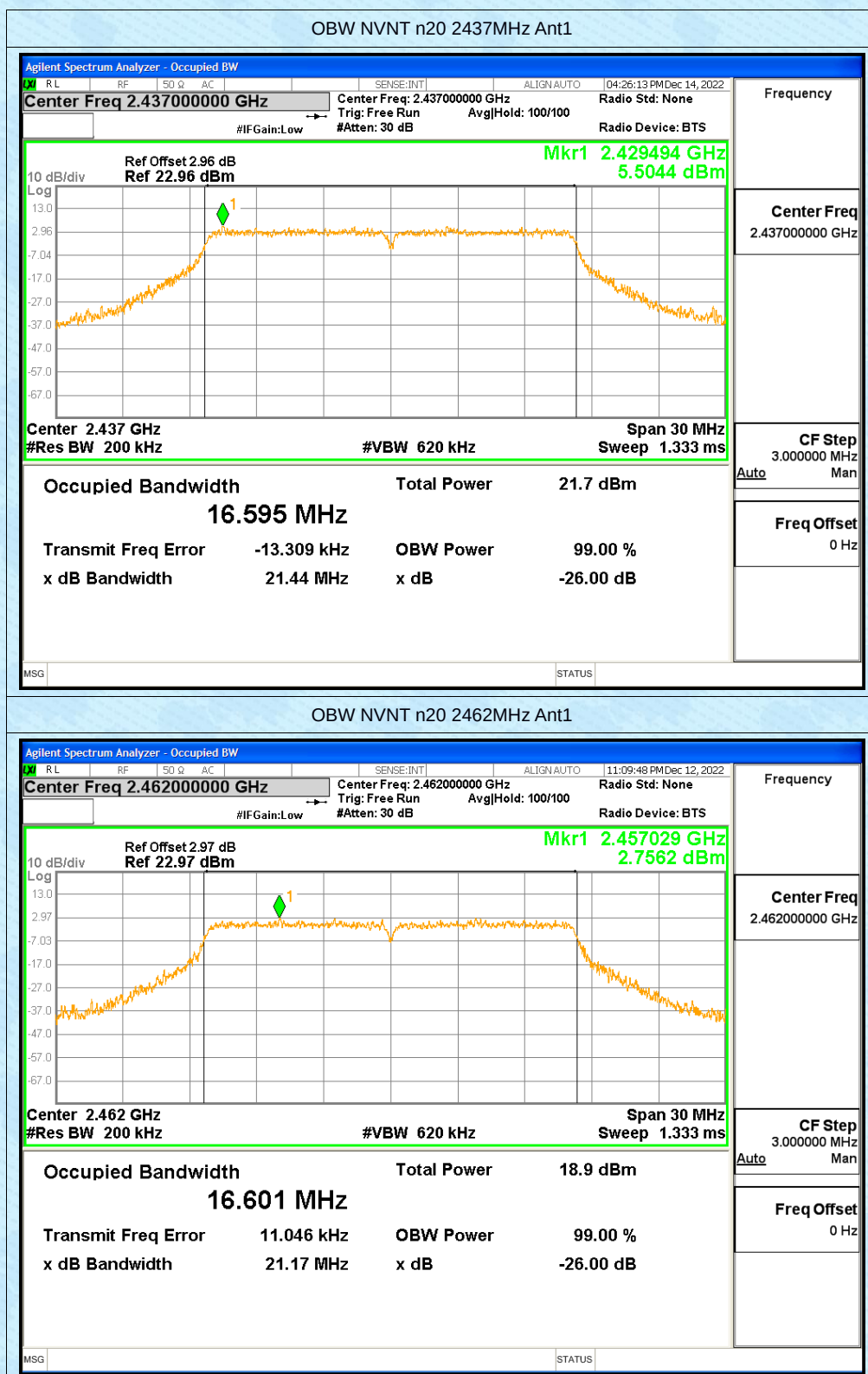


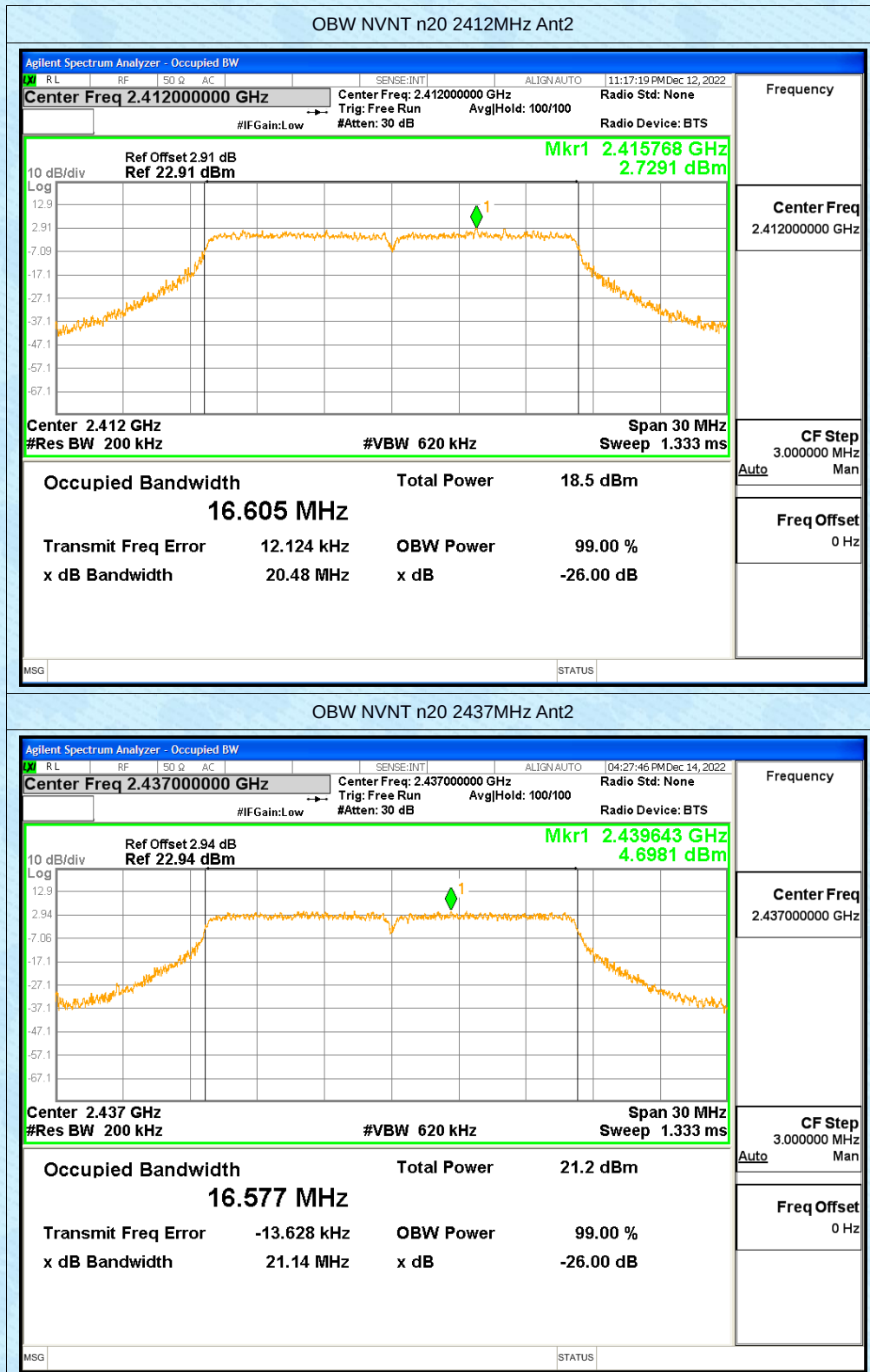
Occupied Channel Bandwidth

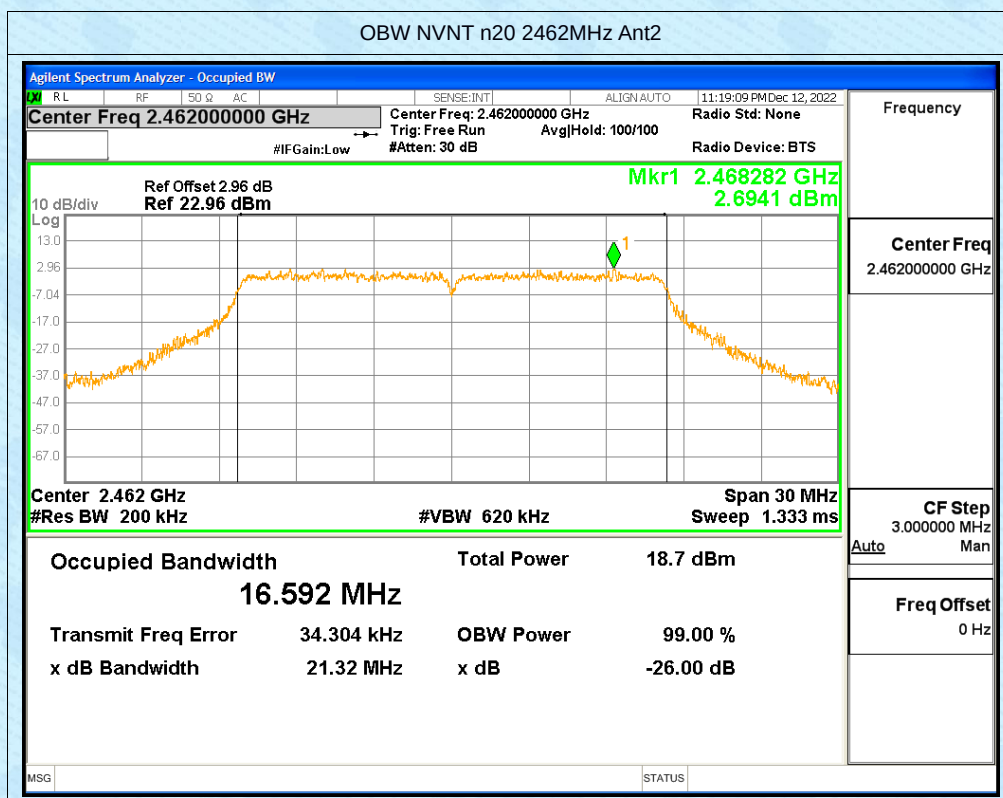
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	g	2412	Ant1/Ant2	16.577
		2437		16.579
		2462		16.597
	n20	2412	Ant1	16.617
		2437		16.595
		2462		16.601
		2412	Ant2	16.605
		2437		16.577
		2462		16.592





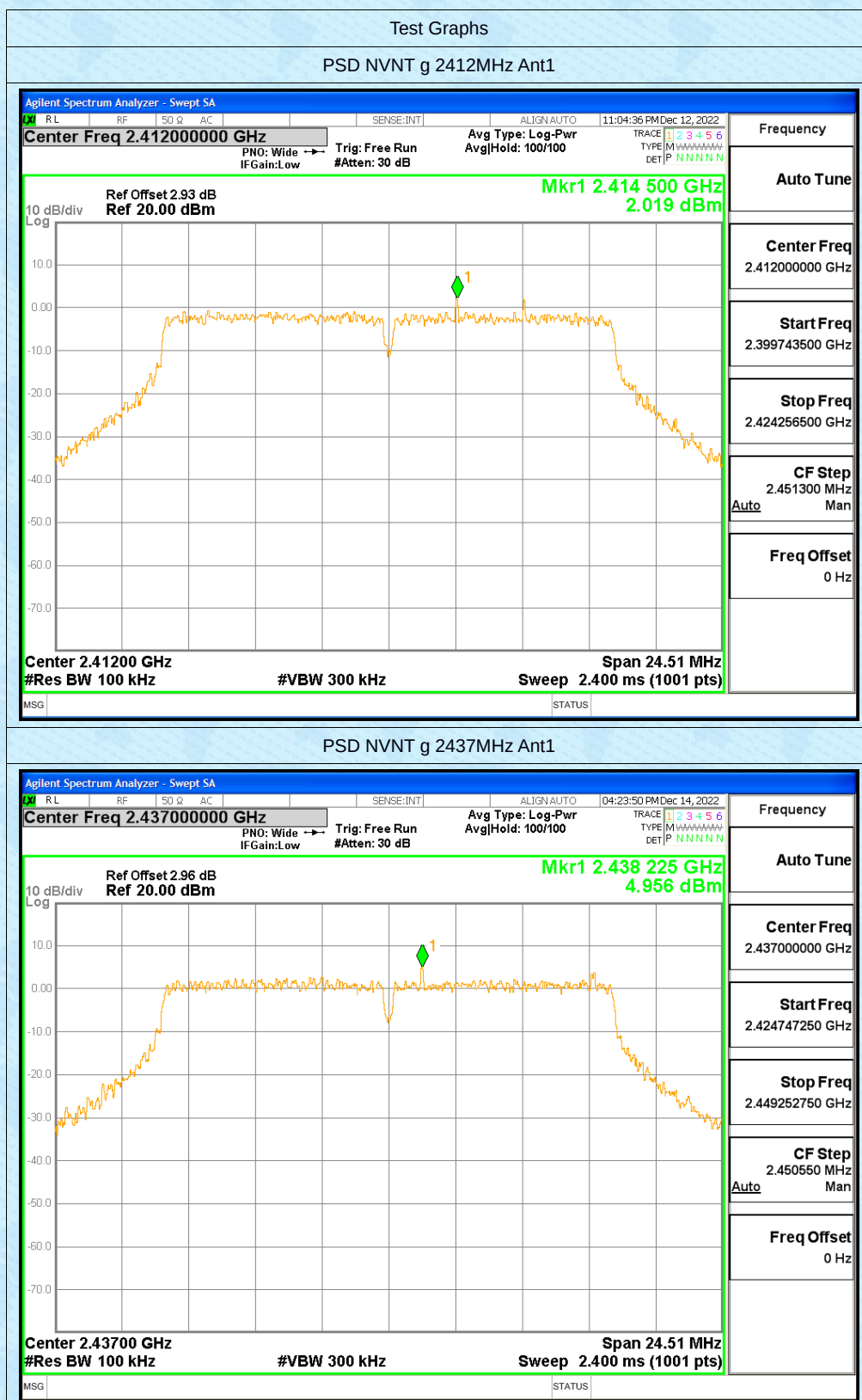


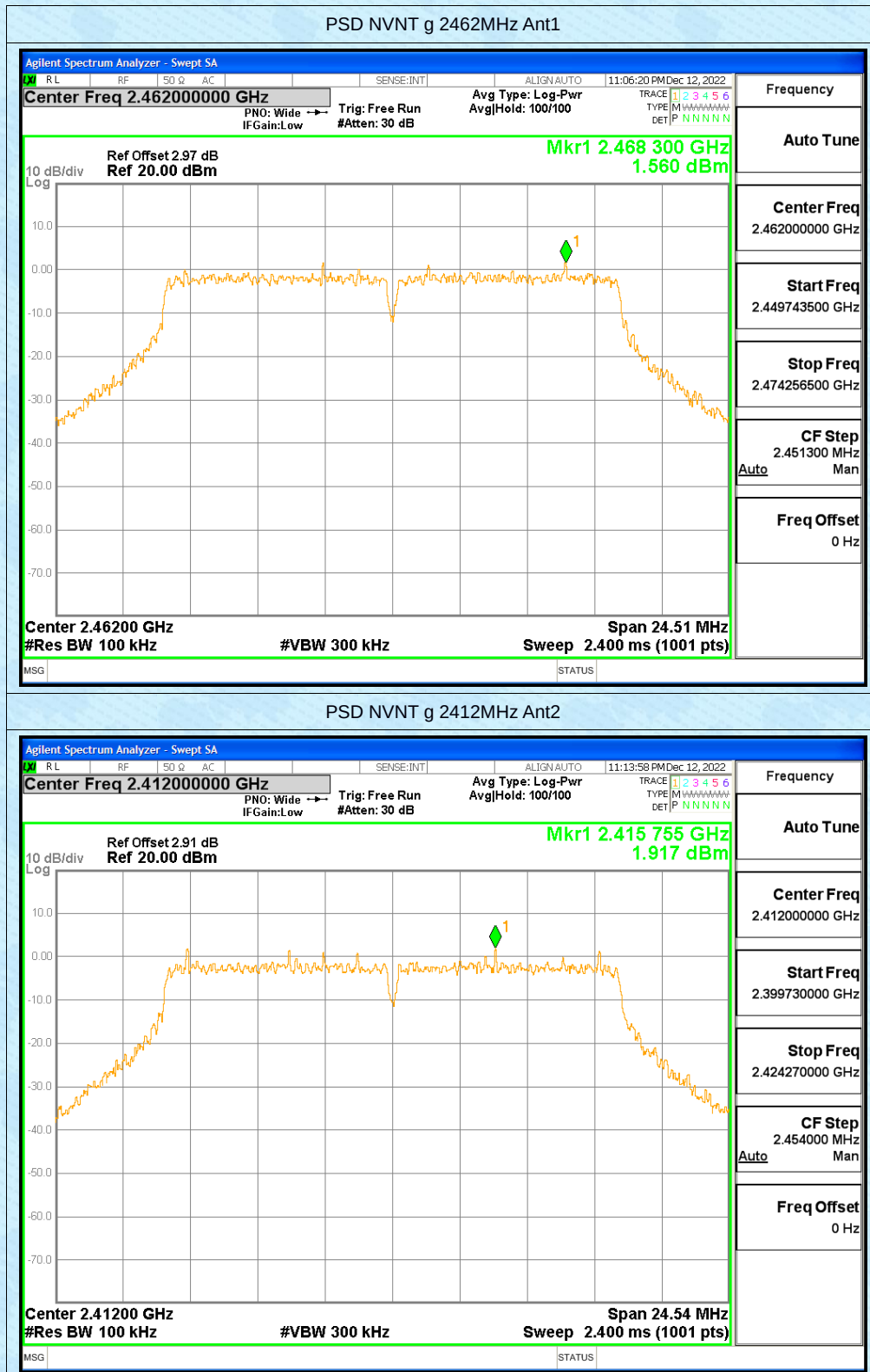




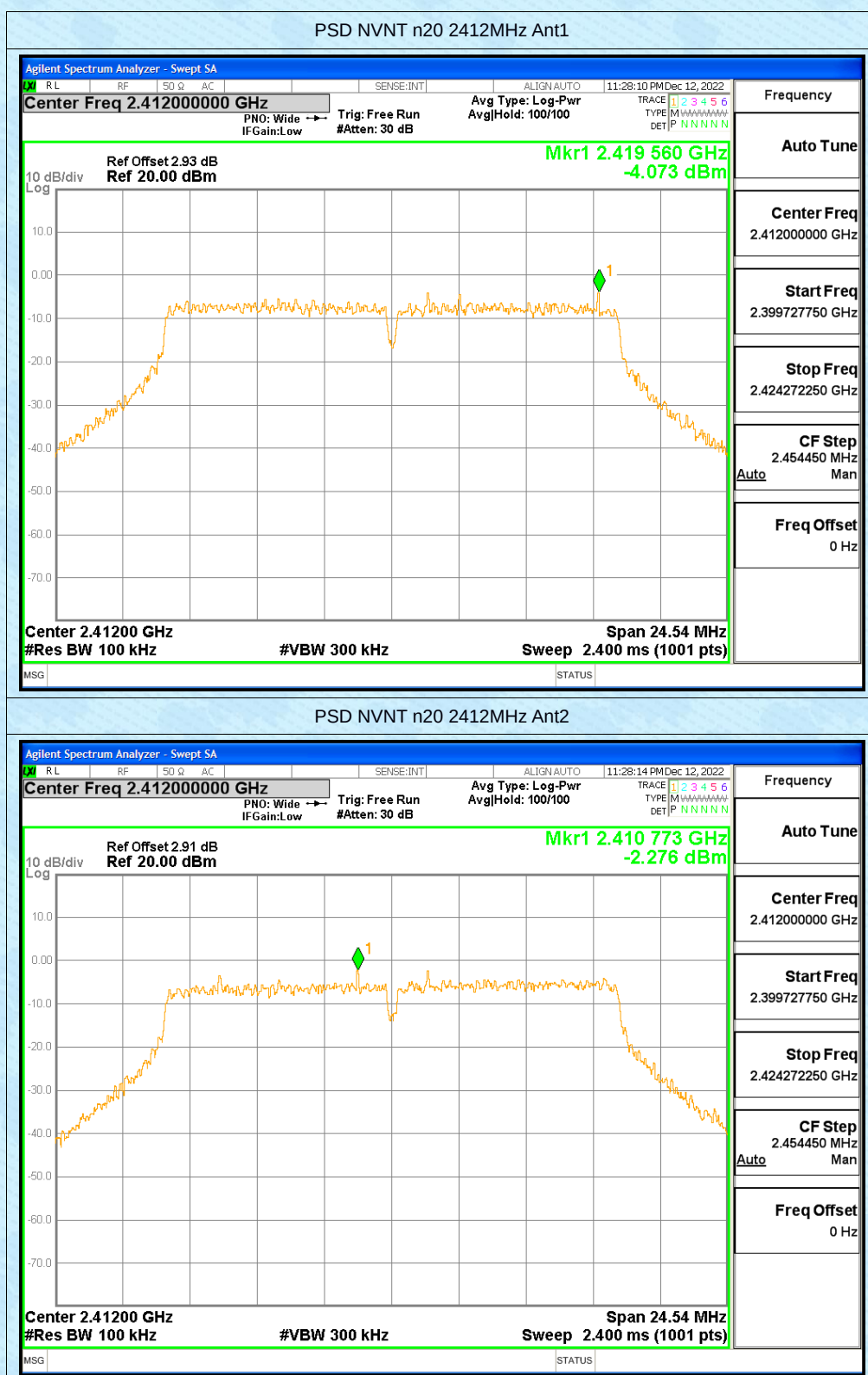
Maximum Power Spectral Density Level

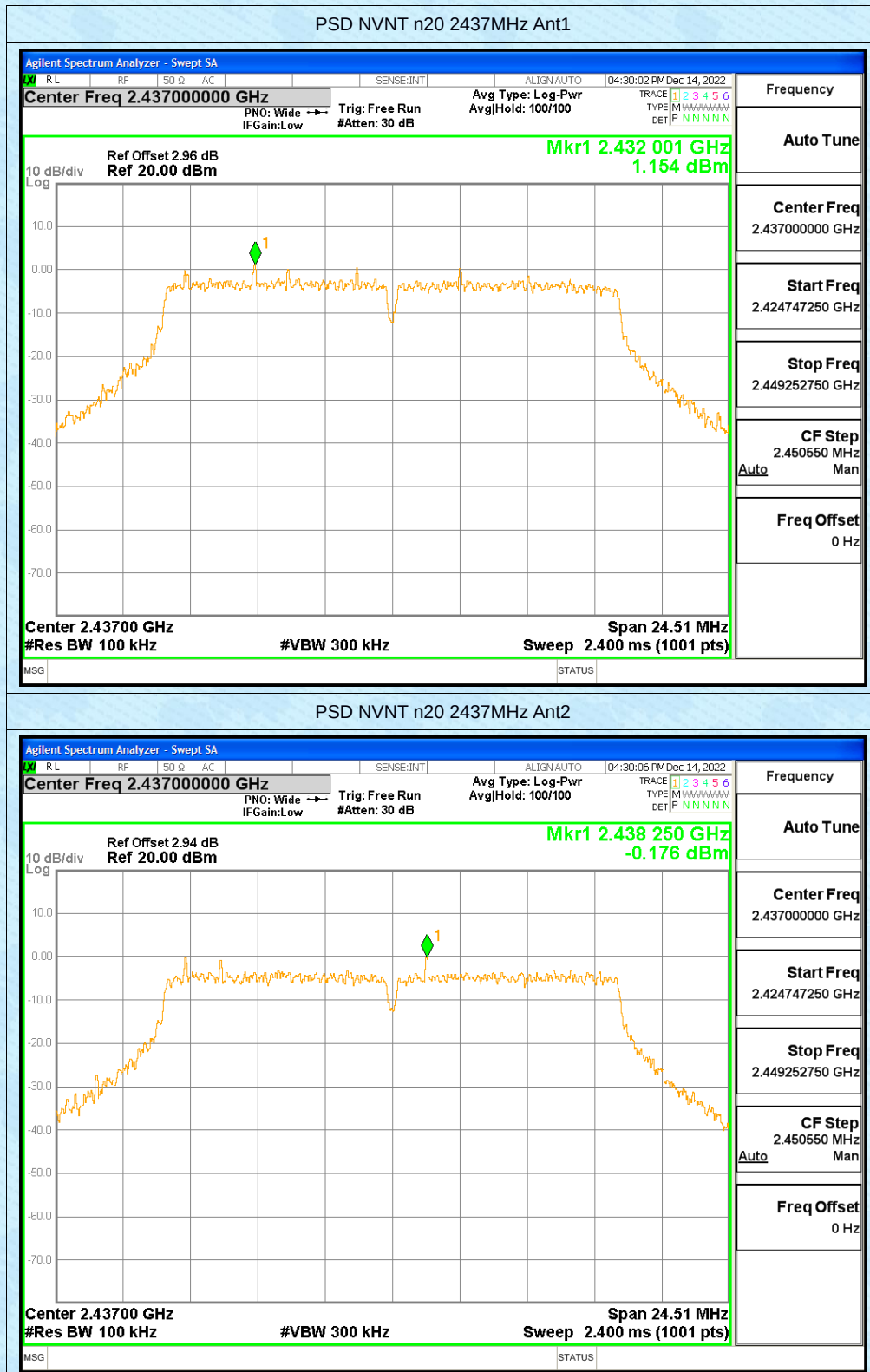
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	g	2412	Ant1	2.02	0	2.02	8	Pass
		2437		4.96	0	4.96	8	Pass
		2462		1.56	0	1.56	8	Pass
		2412	Ant2	1.92	0	1.92	8	Pass
		2437		2.74	0	2.74	8	Pass
		2462		-0.73	0	-0.73	8	Pass
	n20	2412	Ant1	-4.07	0	-4.07	8	Pass
			Ant2	-2.28	0	-2.28	8	Pass
			Sum	-0.07	0	-0.07	8	Pass
		2437	Ant1	1.15	0	1.15	8	Pass
			Ant2	-0.18	0	-0.18	8	Pass
			Sum	3.55	0	3.55	8	Pass
		2462	Ant1	-0.76	0	-0.76	8	Pass
			Ant2	-3.22	0	-3.22	8	Pass
			Sum	1.19	0	1.19	8	Pass

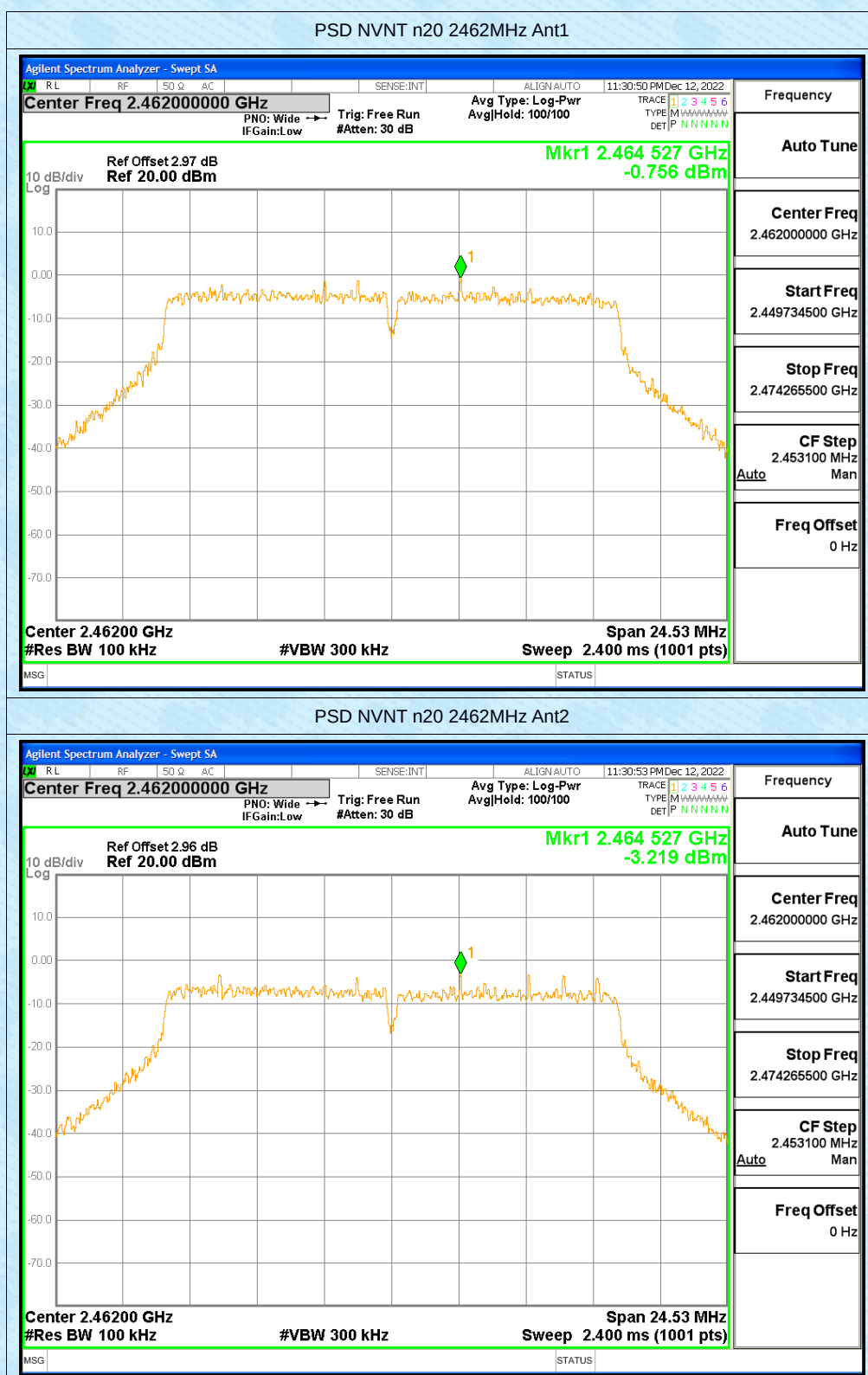










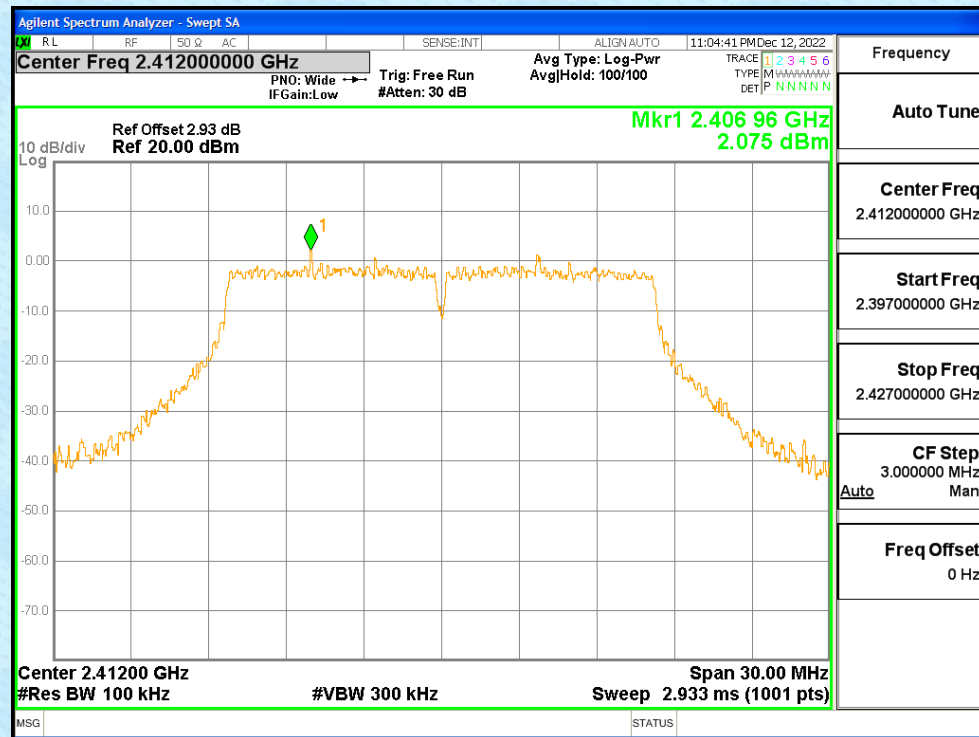


Band Edge

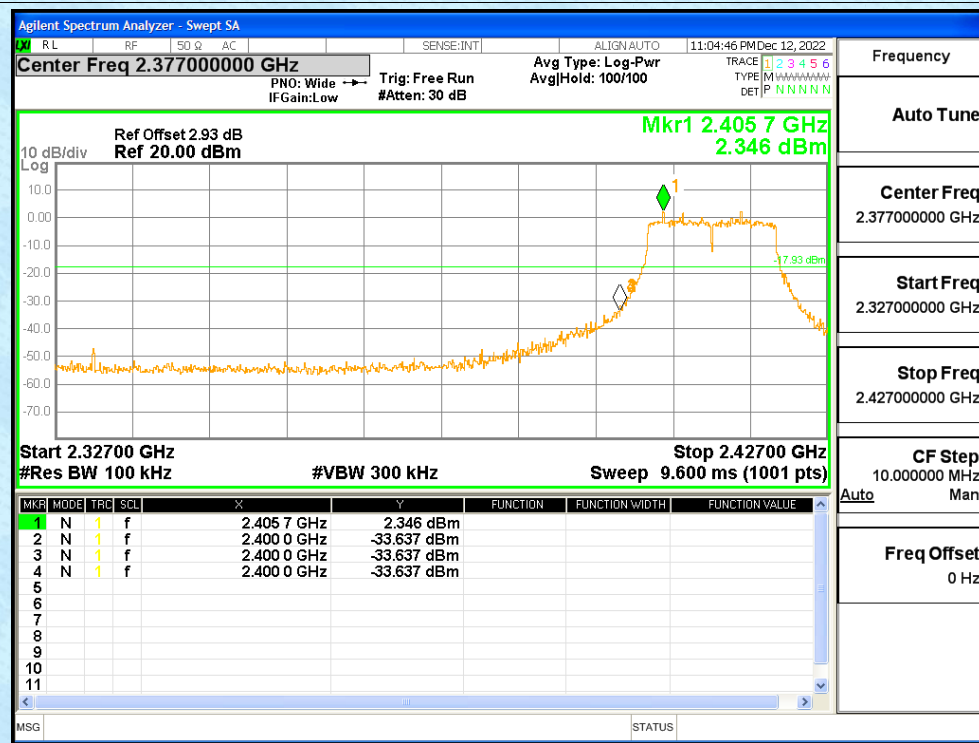
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	g	2412	Ant1	-35.71	-20	Pass
		2462		-49.58	-20	Pass
		2412	Ant2	-35.13	-20	Pass
		2462		-48.91	-20	Pass
	n20	2412	Ant1	-35.56	-20	Pass
		2462		-49.46	-20	Pass
		2412	Ant2	-35.82	-20	Pass
		2462		-51.34	-20	Pass

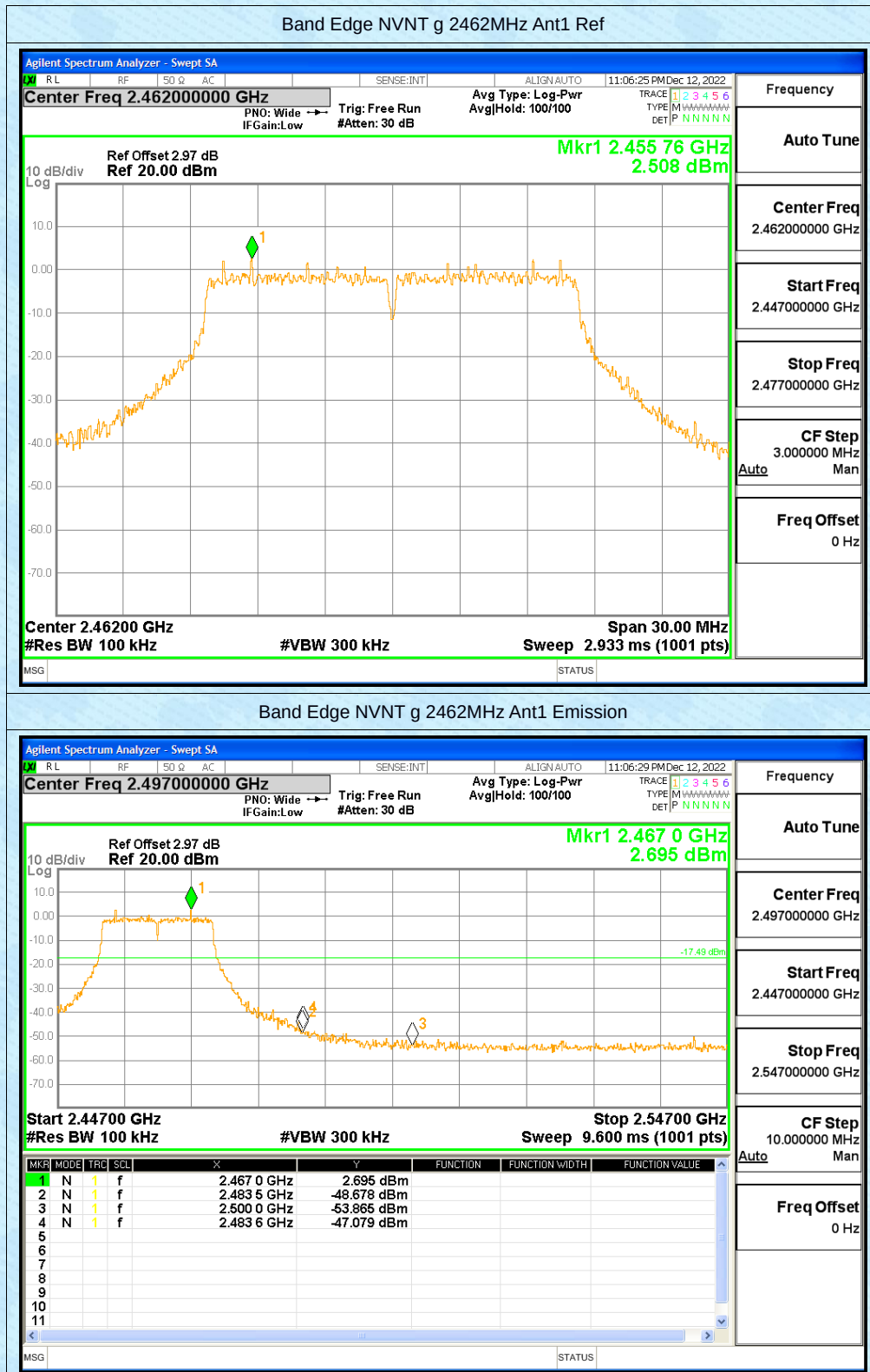
Test Graphs

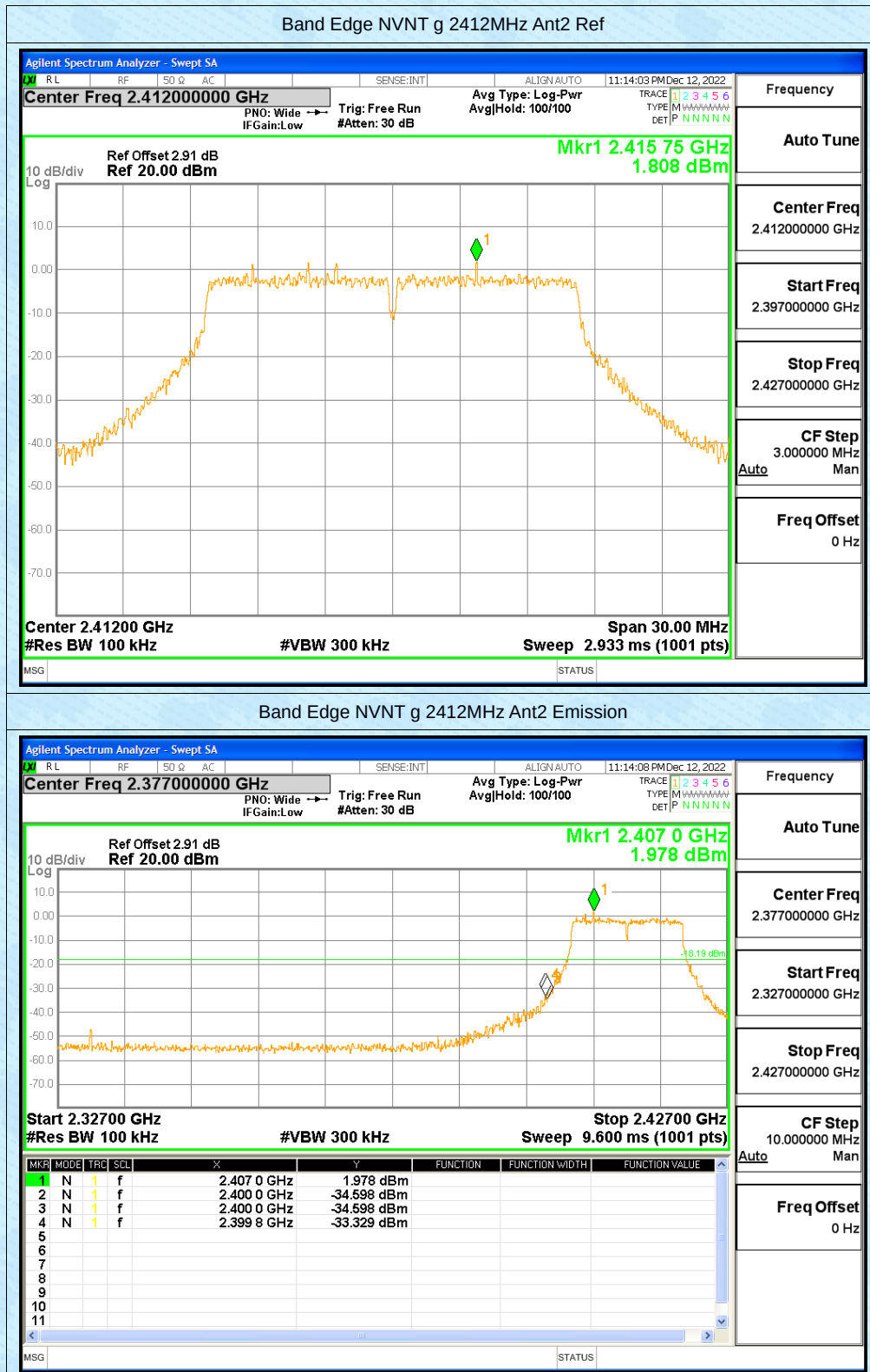
Band Edge NVNT g 2412MHz Ant1 Ref

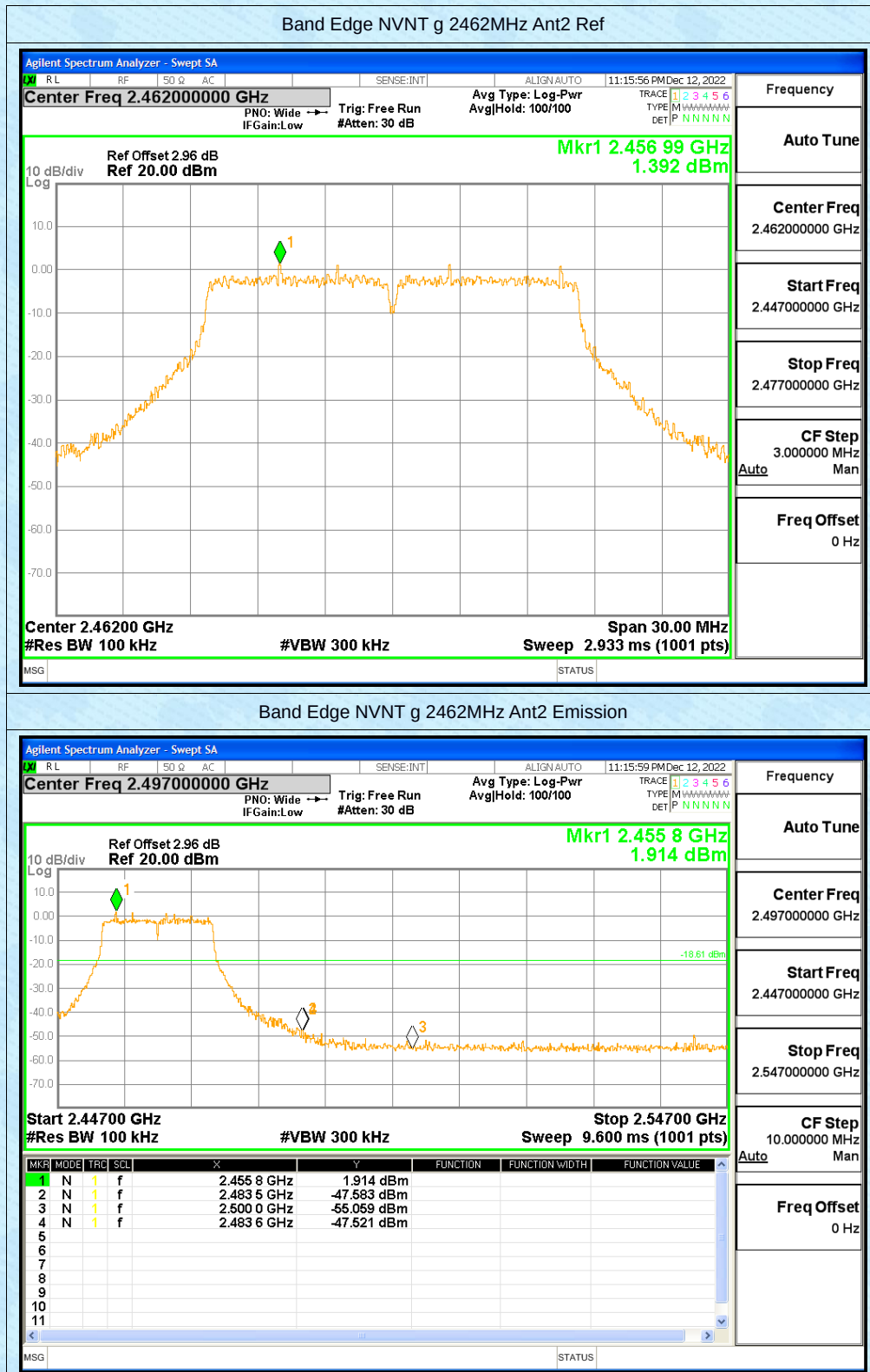


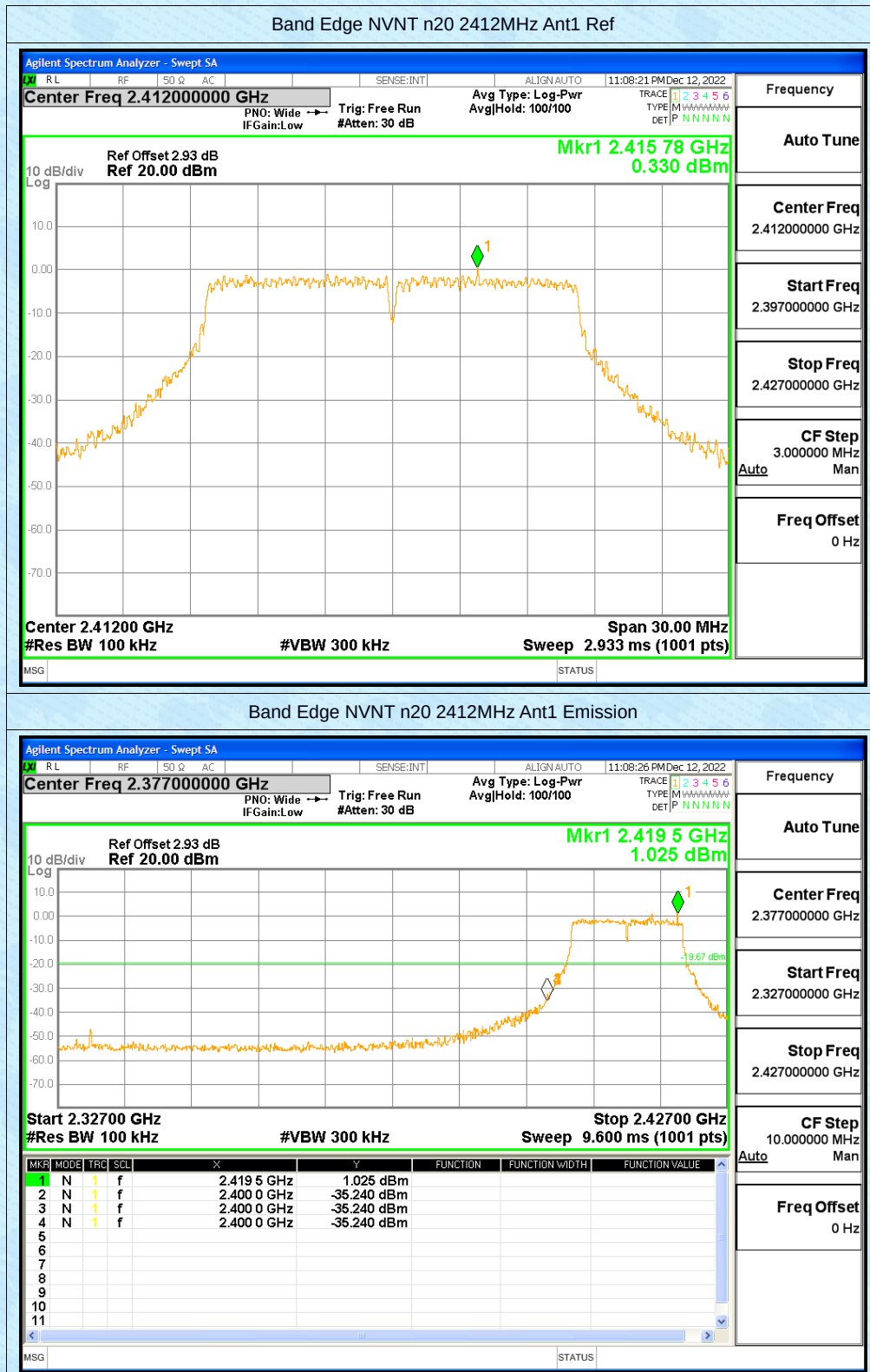
Band Edge NVNT g 2412MHz Ant1 Emission

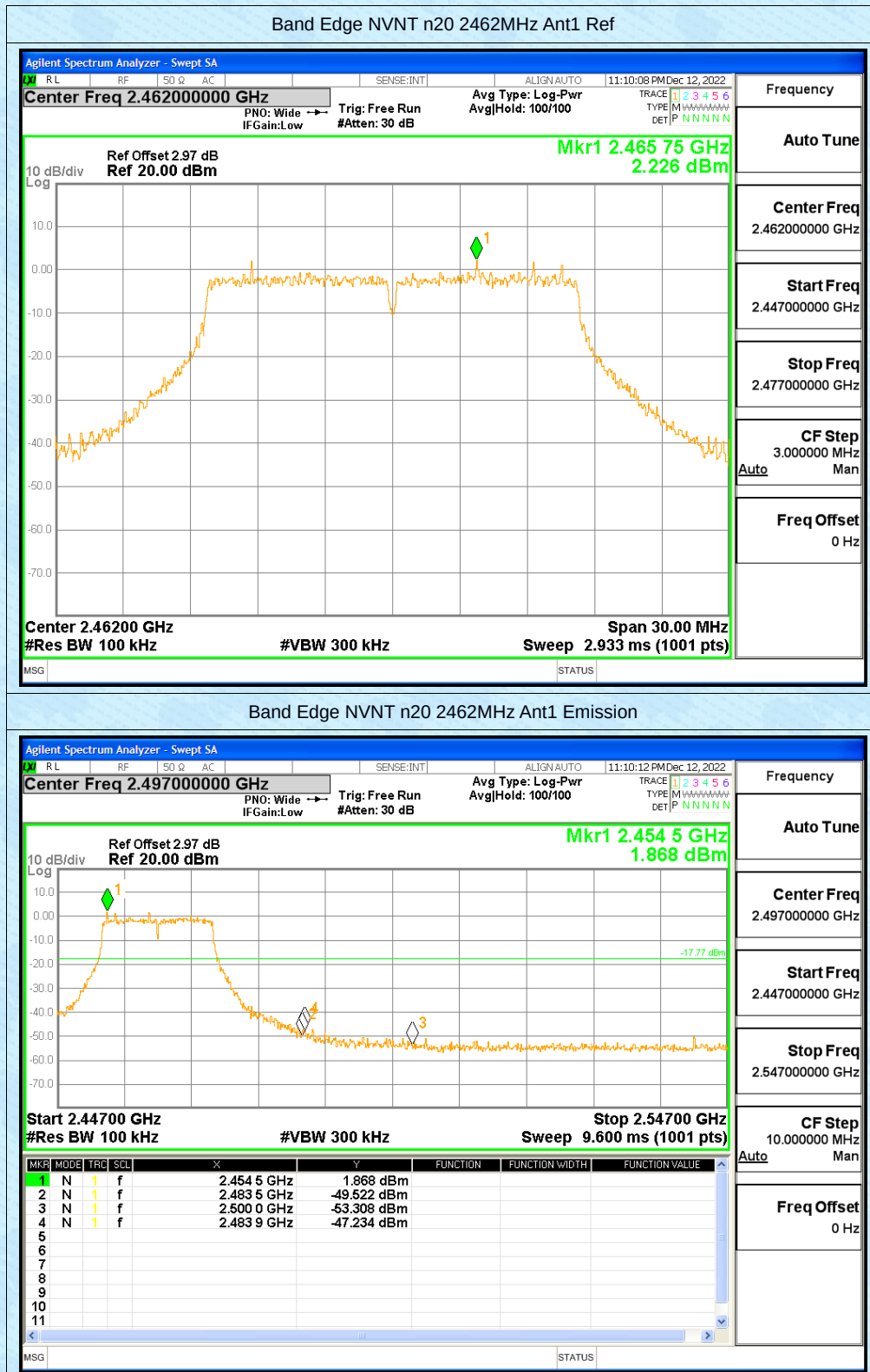


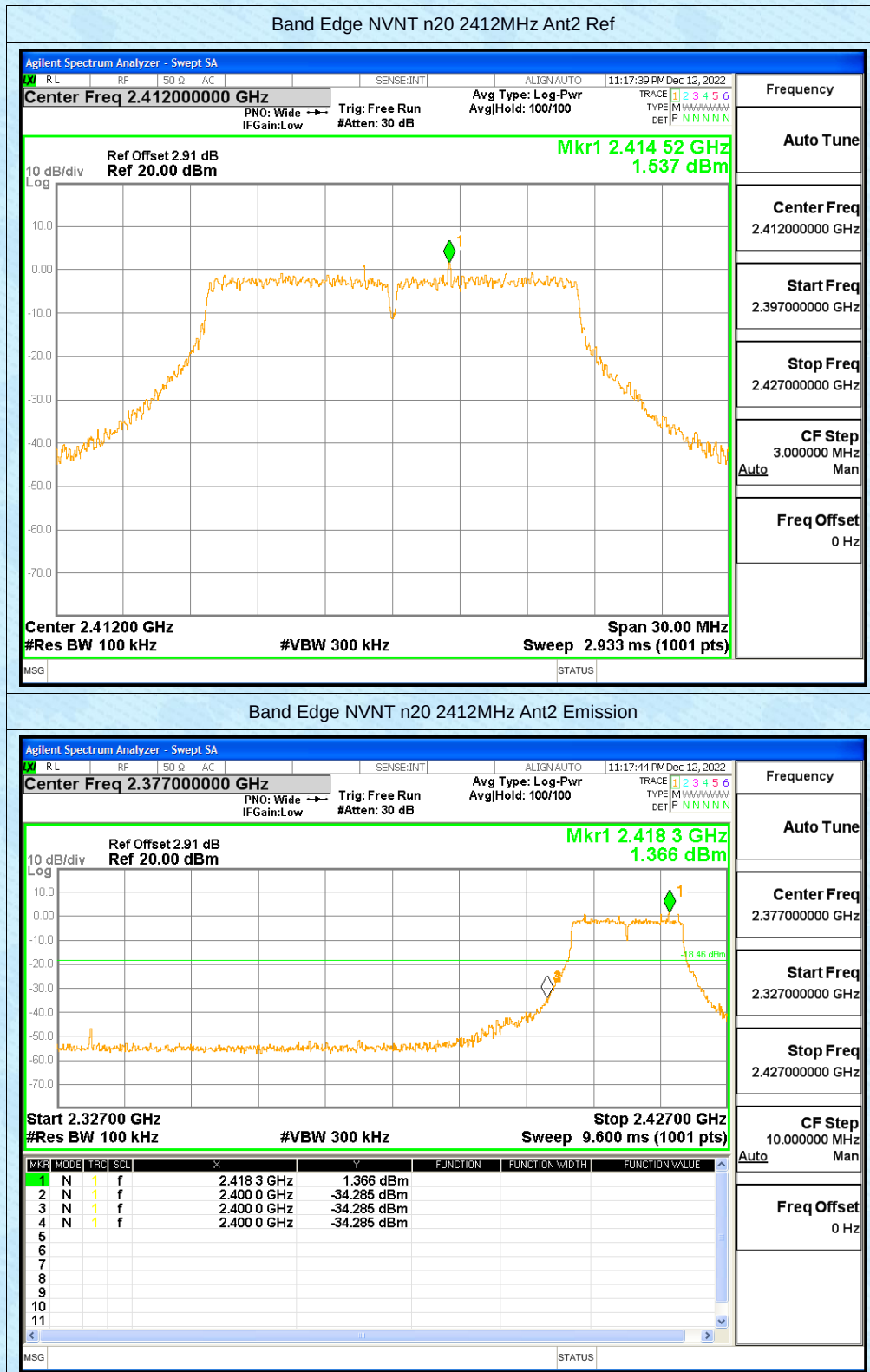


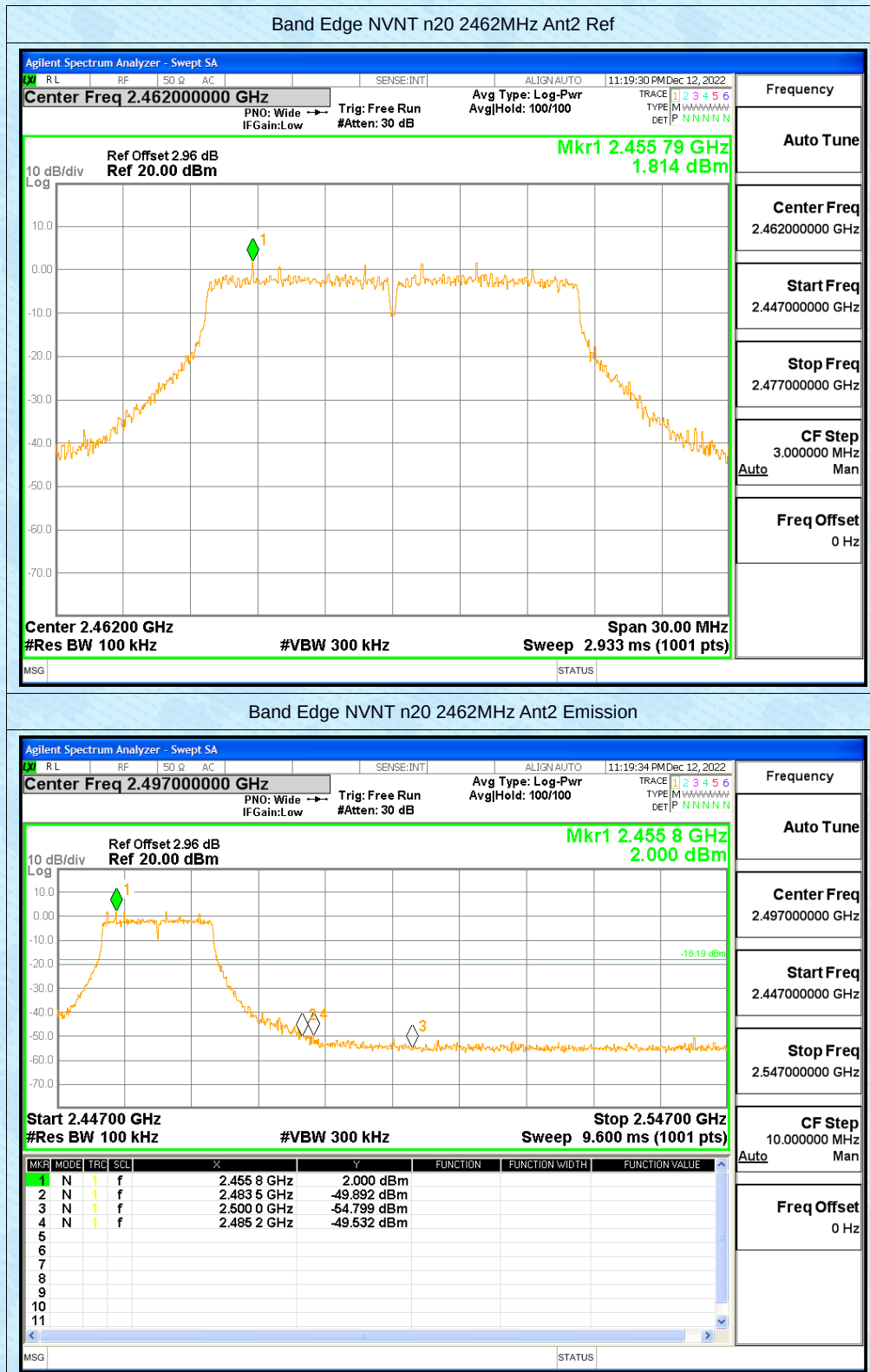










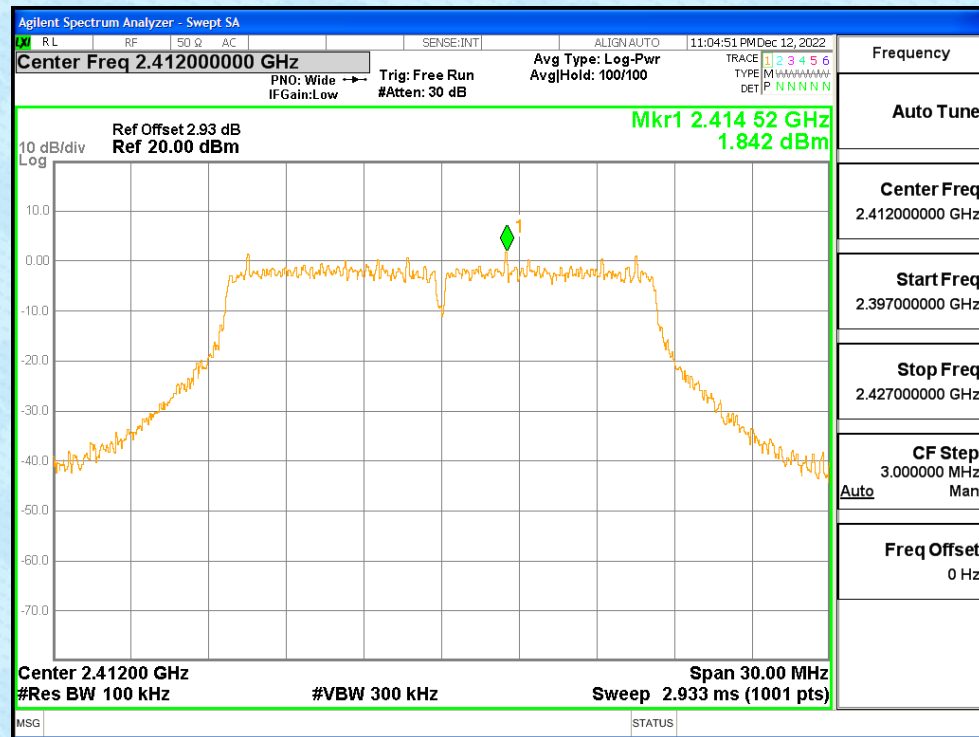


Conducted RF Spurious Emission

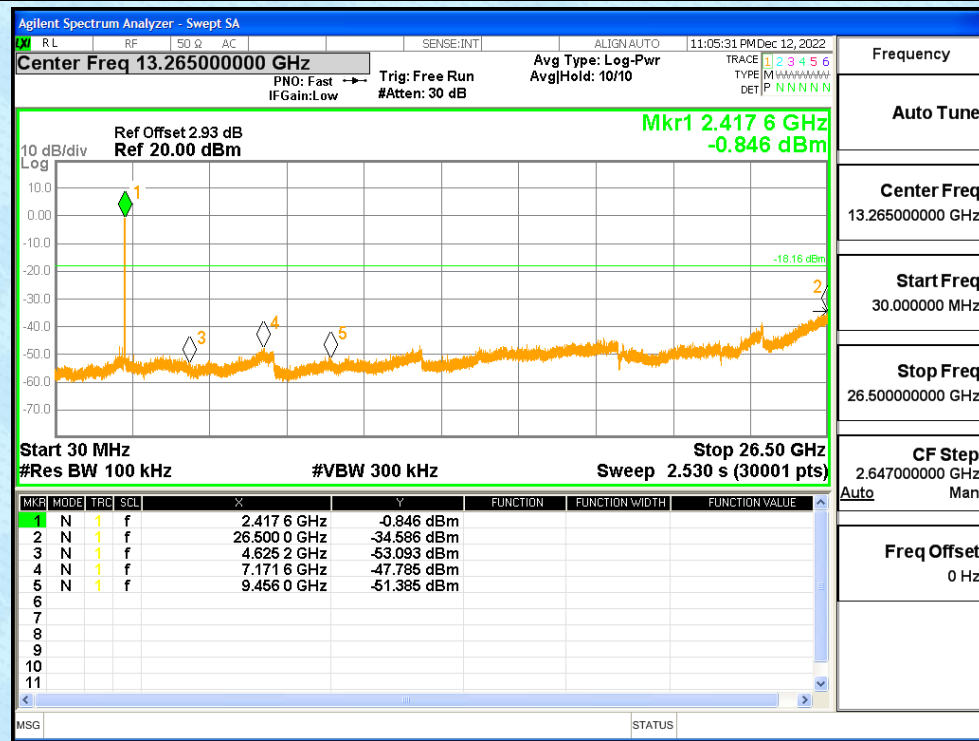
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	g	2412	Ant1	-36.42	-20	Pass
		2437		-38.73	-20	Pass
		2462		-36.33	-20	Pass
		2412	Ant2	-36.82	-20	Pass
		2437		-38.07	-20	Pass
		2462		-35.73	-20	Pass
	n20	2412	Ant1	-36.55	-20	Pass
		2437		-39.19	-20	Pass
		2462		-36.01	-20	Pass
		2412	Ant2	-36.79	-20	Pass
		2437		-39.12	-20	Pass
		2462		-37.17	-20	Pass

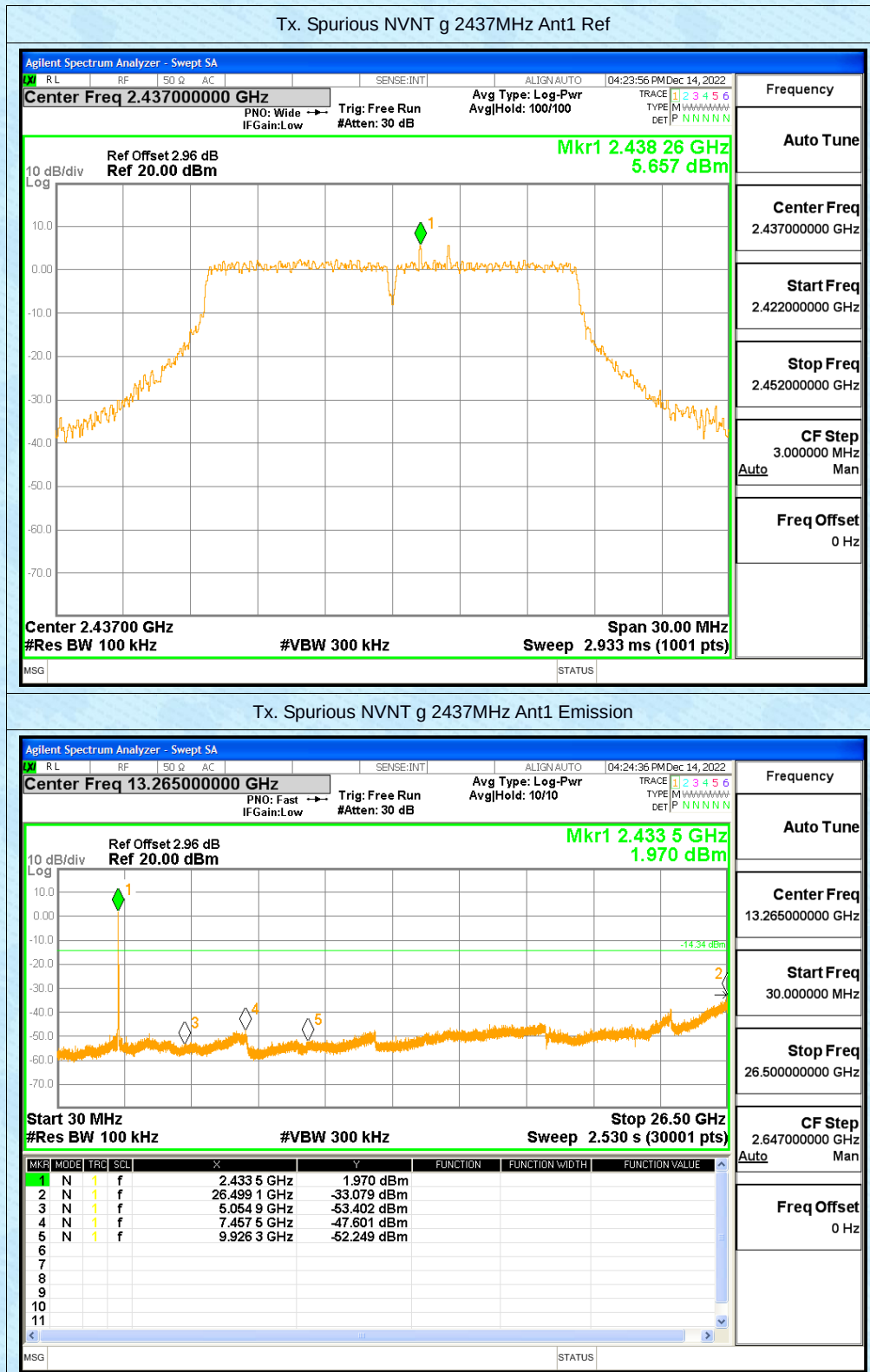
Test Graphs

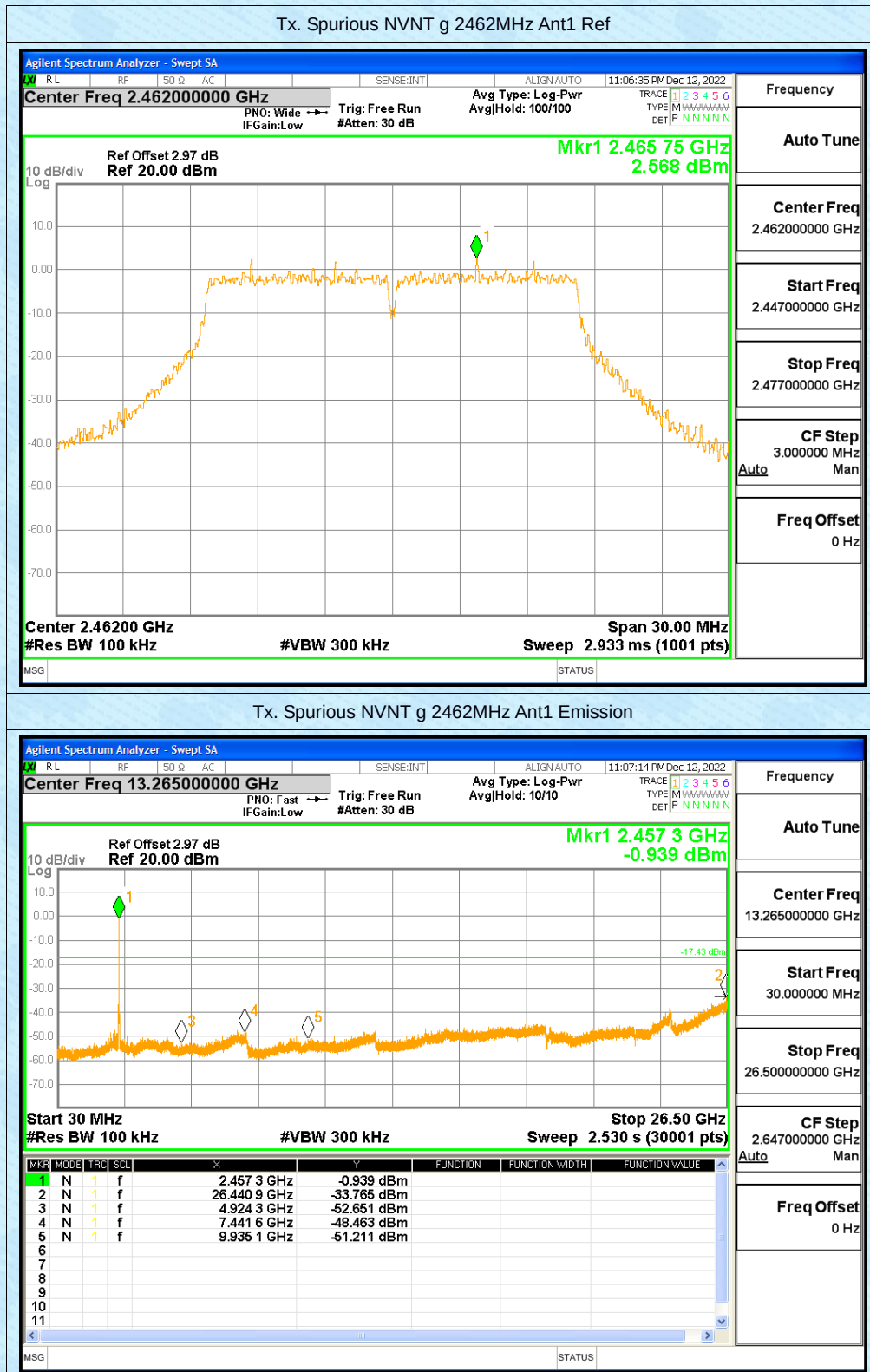
Tx. Spurious NVNT g 2412MHz Ant1 Ref

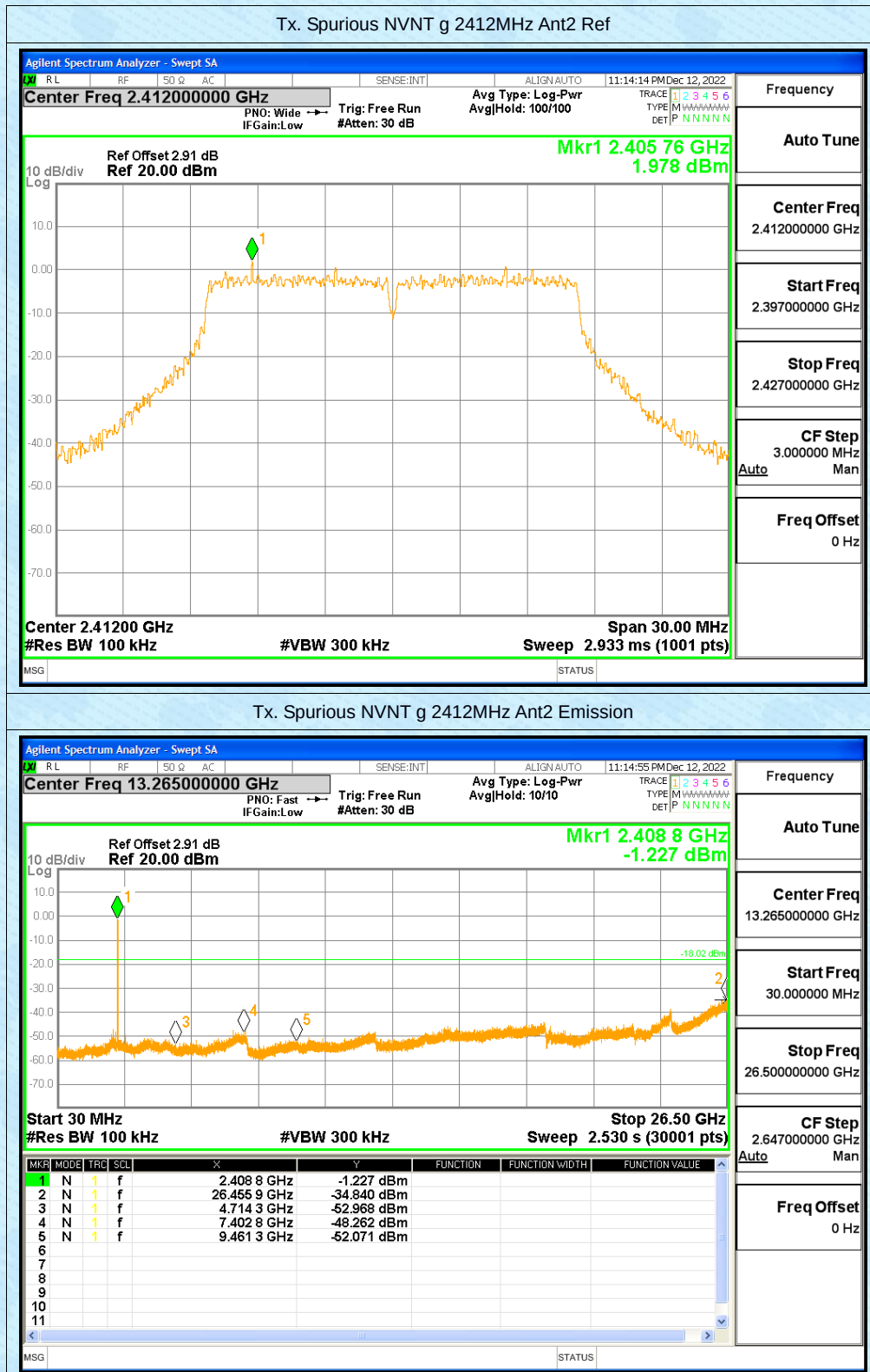


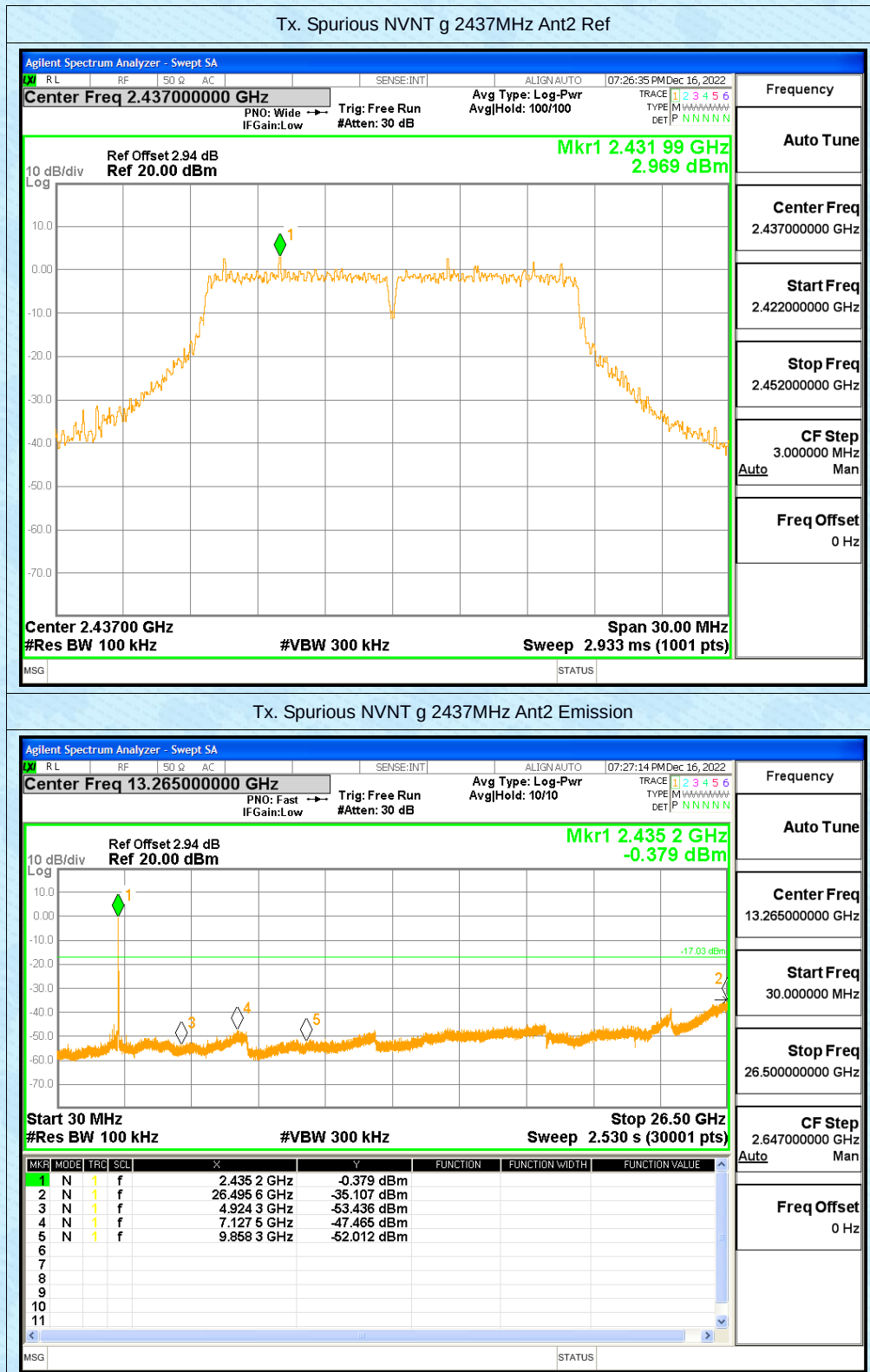
Tx. Spurious NVNT g 2412MHz Ant1 Emission

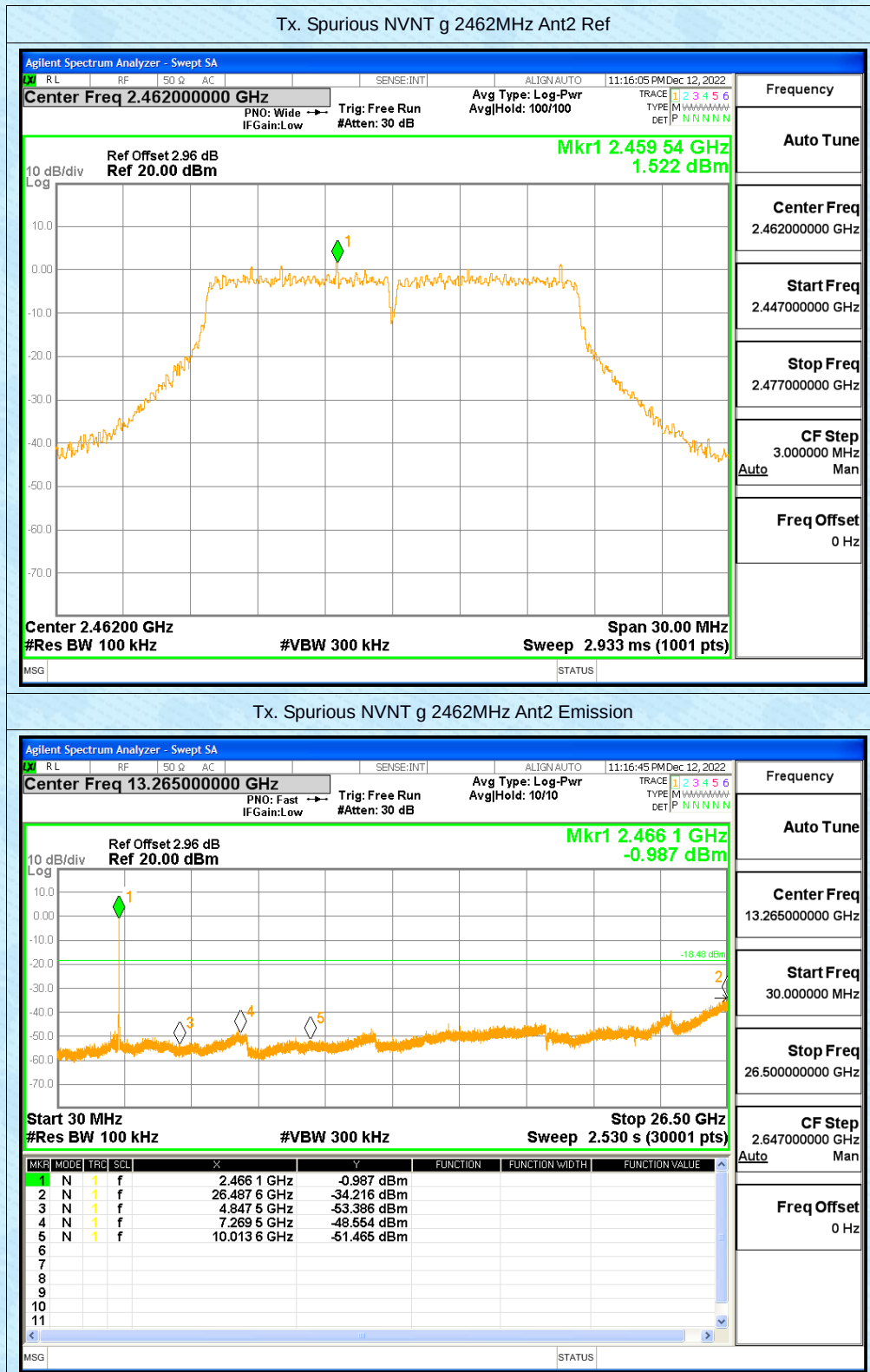


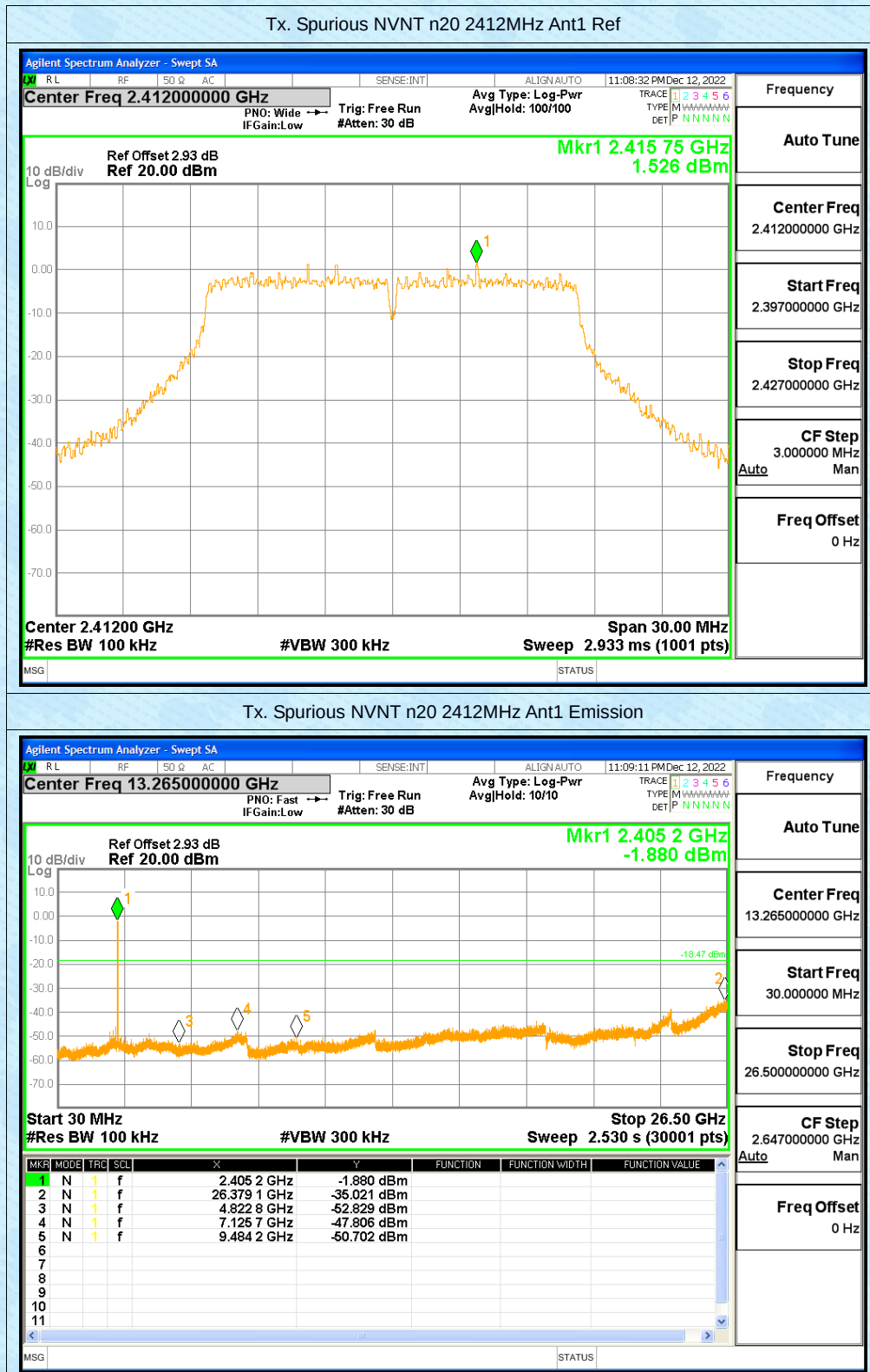


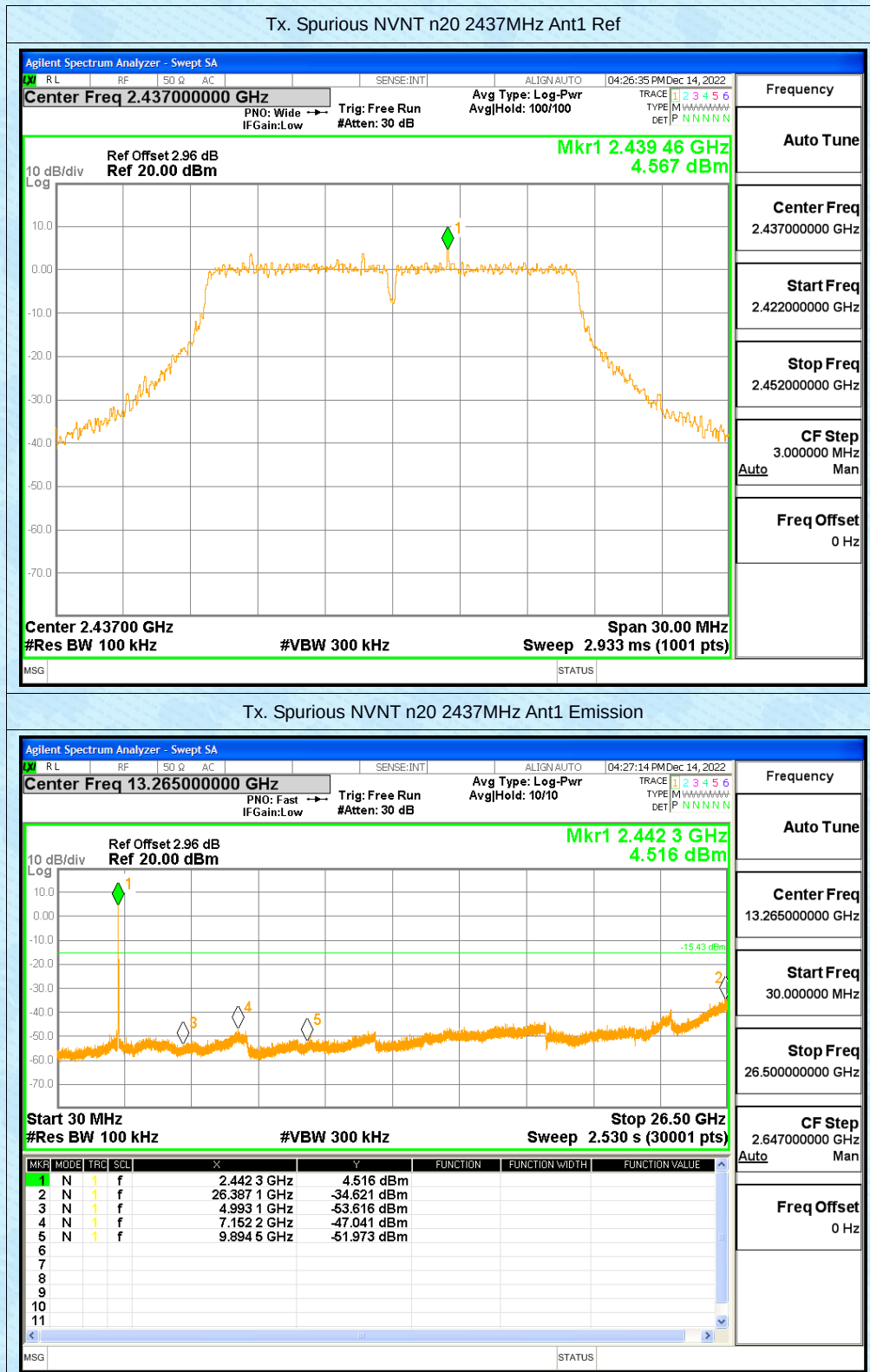


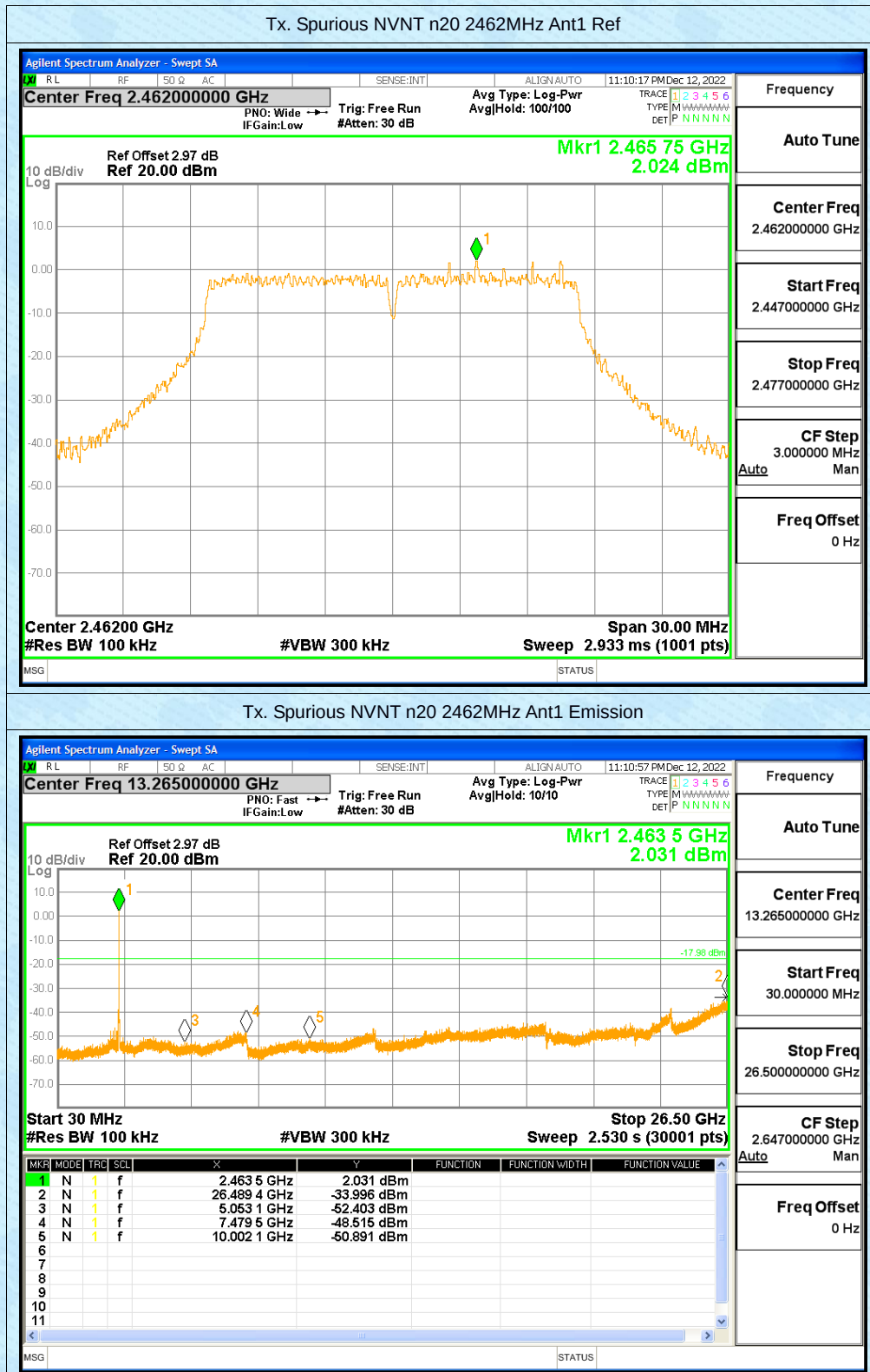


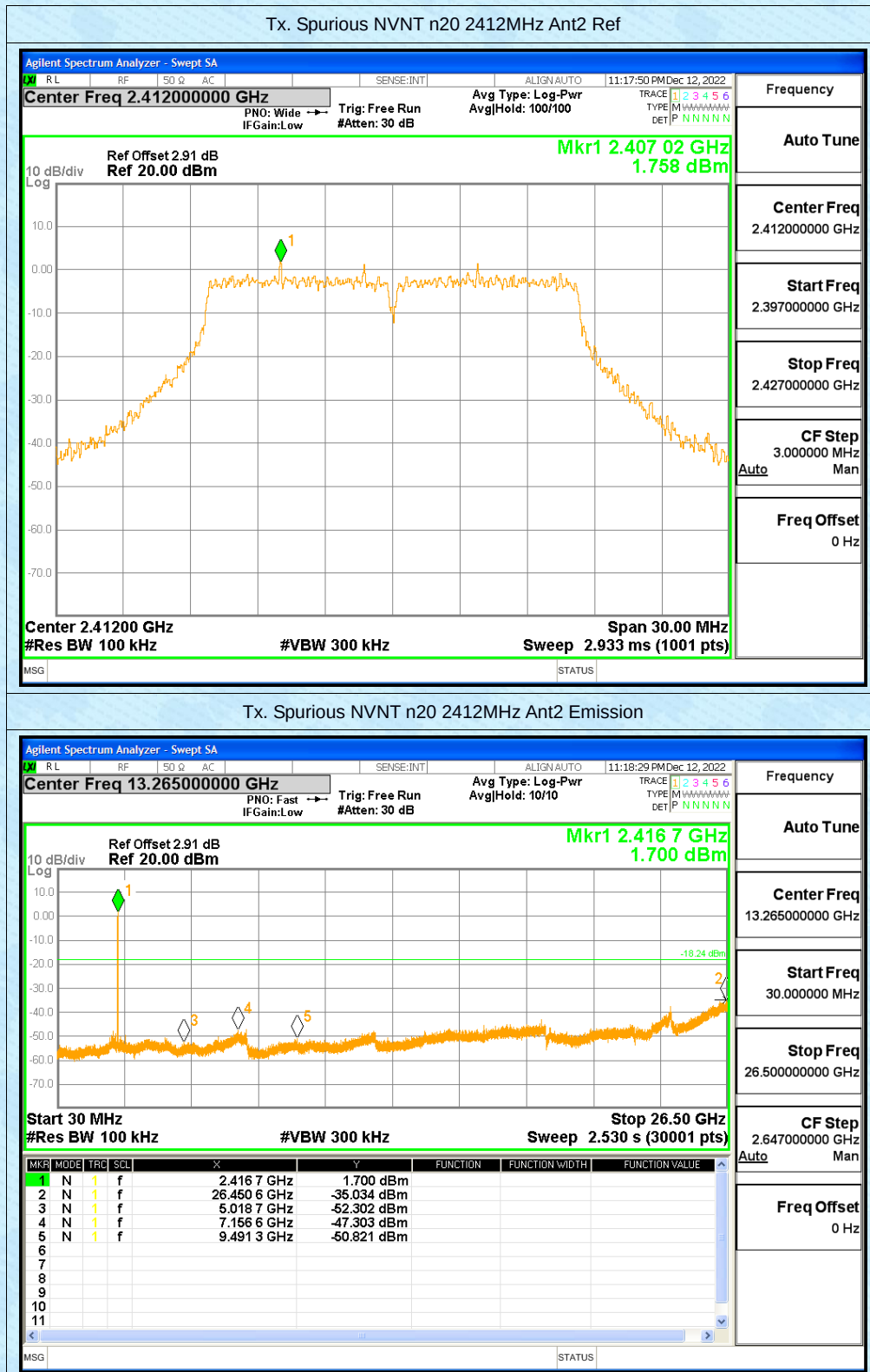


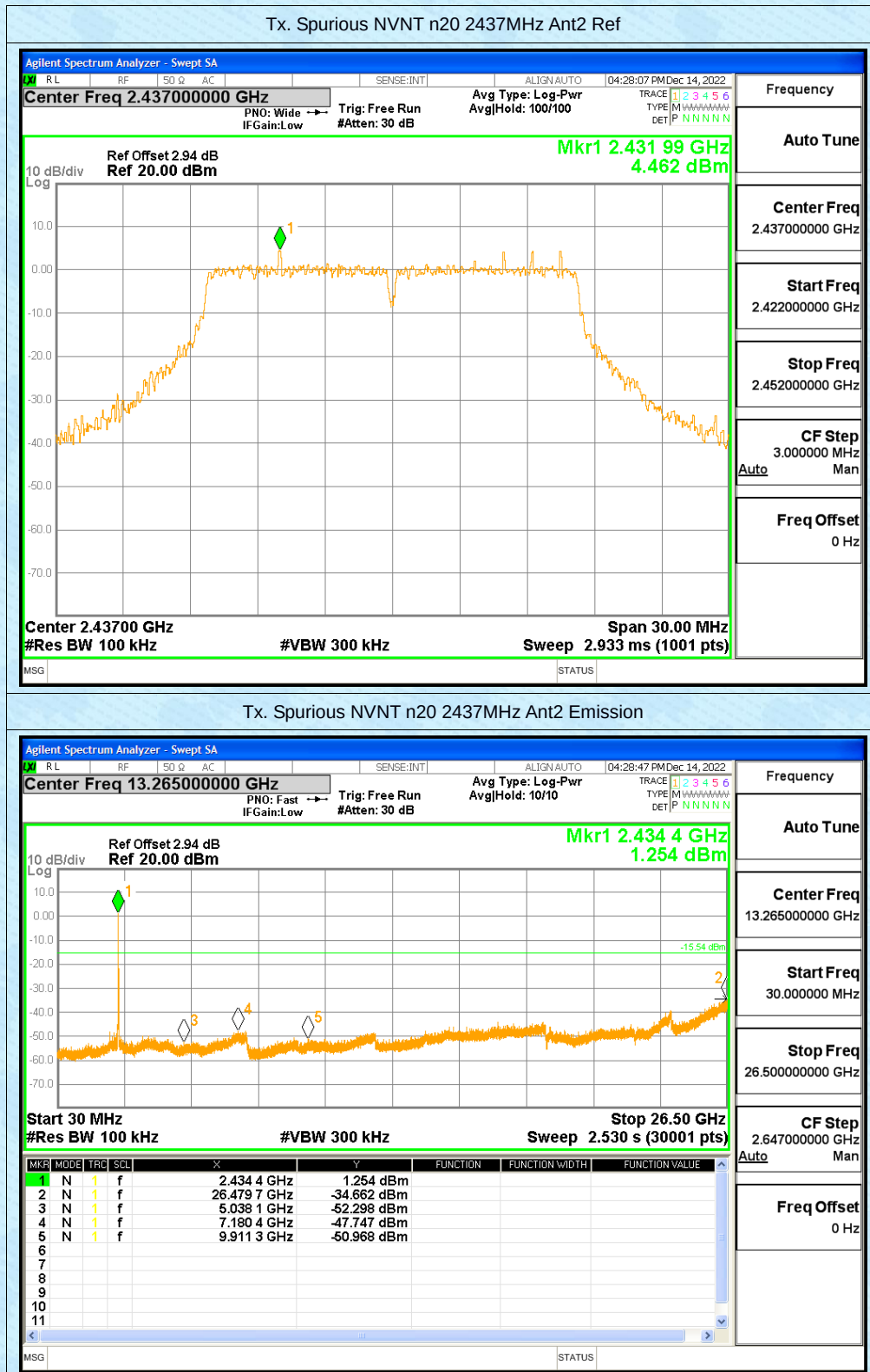


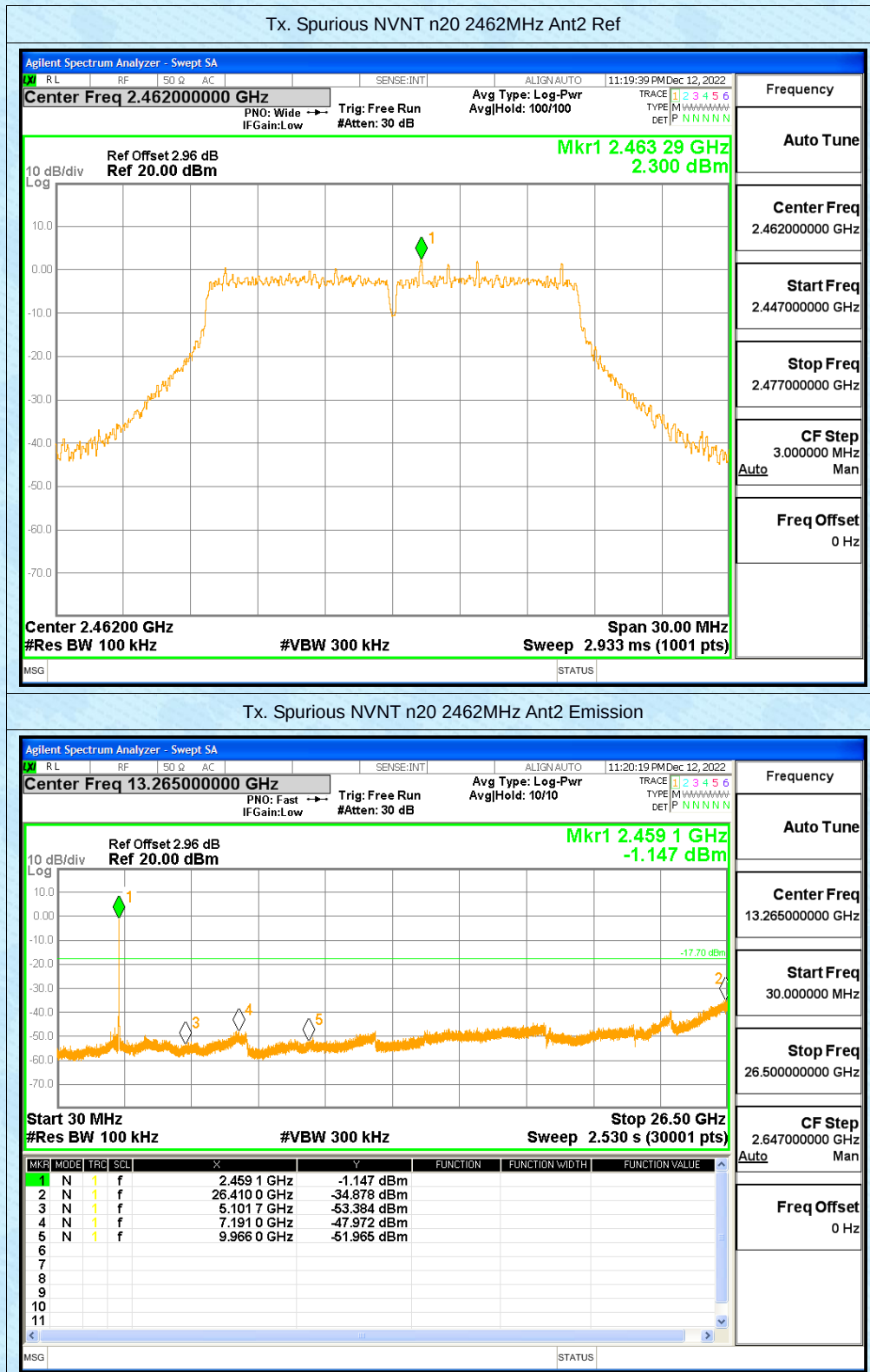












End