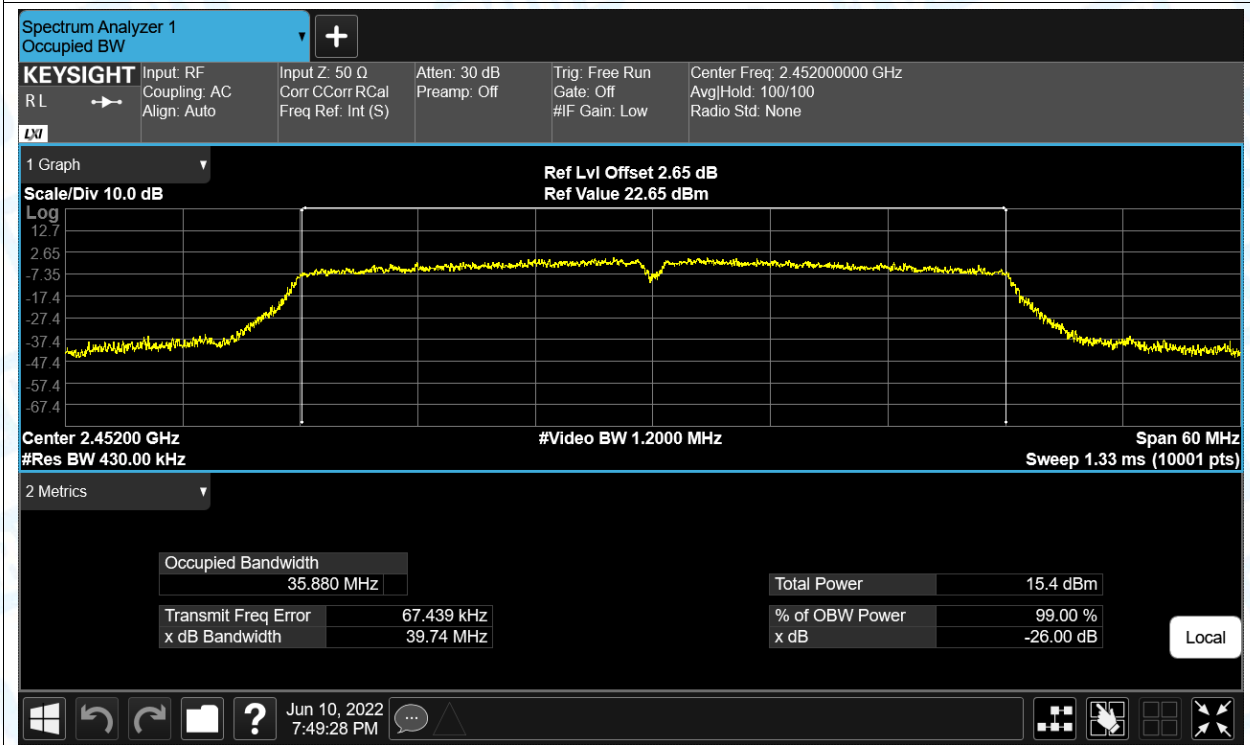
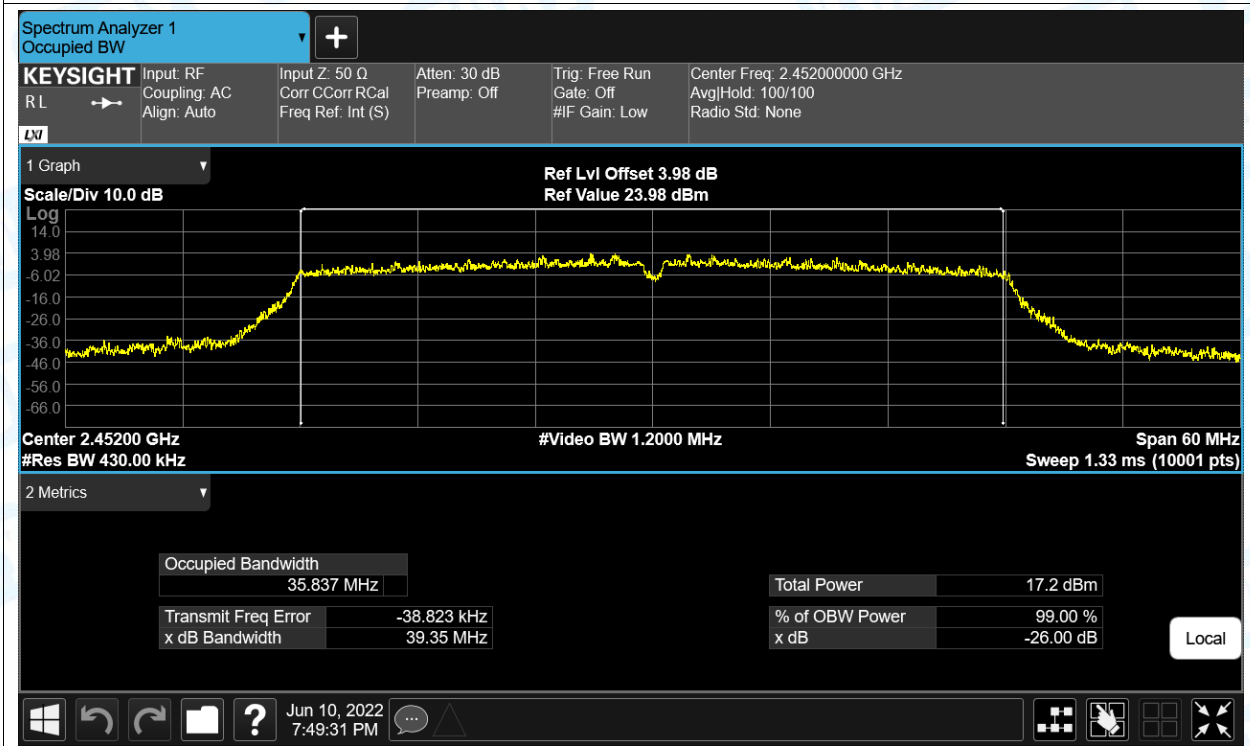


OBW NVNT n(HT40) 2452MHz Ant1



OBW NVNT n(HT40) 2452MHz Ant2



5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	0.645	8	Pass
NVNT	b	2412	Ant2	2.2	8	Pass
NVNT	b	2412	Sum	4.502	7.99	Pass
NVNT	b	2437	Ant1	-11.755	8	Pass
NVNT	b	2437	Ant2	1.976	8	Pass
NVNT	b	2437	Sum	2.156	7.99	Pass
NVNT	b	2462	Ant1	-10.562	8	Pass
NVNT	b	2462	Ant2	1.783	8	Pass
NVNT	b	2462	Sum	2.029	7.99	Pass
NVNT	g	2412	Ant1	-16.467	8	Pass
NVNT	g	2412	Ant2	-15.242	8	Pass
NVNT	g	2412	Sum	-12.801	7.99	Pass
NVNT	g	2437	Ant1	-15.871	8	Pass
NVNT	g	2437	Ant2	-15.927	8	Pass
NVNT	g	2437	Sum	-12.889	7.99	Pass
NVNT	g	2462	Ant1	-16.179	8	Pass
NVNT	g	2462	Ant2	-15.428	8	Pass
NVNT	g	2462	Sum	-12.777	7.99	Pass
NVNT	n(HT20)	2412	Ant1	-17.552	8	Pass
NVNT	n(HT20)	2412	Ant2	-15.303	8	Pass
NVNT	n(HT20)	2412	Sum	-13.273	7.99	Pass
NVNT	n(HT20)	2437	Ant1	-17.066	8	Pass
NVNT	n(HT20)	2437	Ant2	-16.02	8	Pass
NVNT	n(HT20)	2437	Sum	-13.501	7.99	Pass
NVNT	n(HT20)	2462	Ant1	-16.632	8	Pass
NVNT	n(HT20)	2462	Ant2	-16.244	8	Pass
NVNT	n(HT20)	2462	Sum	-13.423	7.99	Pass
NVNT	n(HT40)	2422	Ant1	-19.218	8	Pass
NVNT	n(HT40)	2422	Ant2	-18.957	8	Pass
NVNT	n(HT40)	2422	Sum	-16.075	7.99	Pass
NVNT	n(HT40)	2437	Ant1	-17.127	8	Pass
NVNT	n(HT40)	2437	Ant2	-17.572	8	Pass
NVNT	n(HT40)	2437	Sum	-14.334	7.99	Pass
NVNT	n(HT40)	2452	Ant1	-17.499	8	Pass
NVNT	n(HT40)	2452	Ant2	-16.958	8	Pass
NVNT	n(HT40)	2452	Sum	-14.21	7.99	Pass

Note:

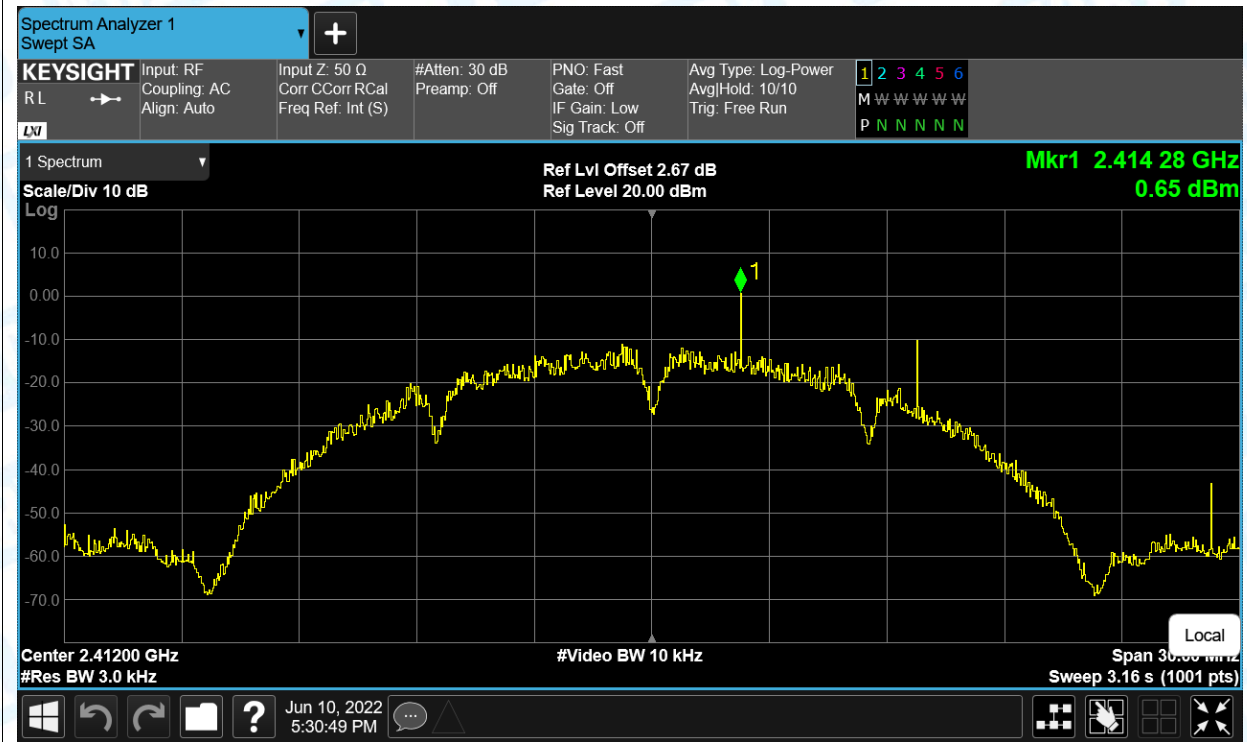
The ANT. 1 and ANT. 2 will transmitting simultaneously for the 802.11b/g/n(HT20)/n(HT40) Mode, the T Directional Gain =Ant. Gain + 10*LOG(N_{ANT}) =6.01 dBi>6 dBi.

So $P_{out} = P_{limit} - (G_{TX} - 6) = 8 - 0.01 = 7.99 \text{ dBm/3kHz}$

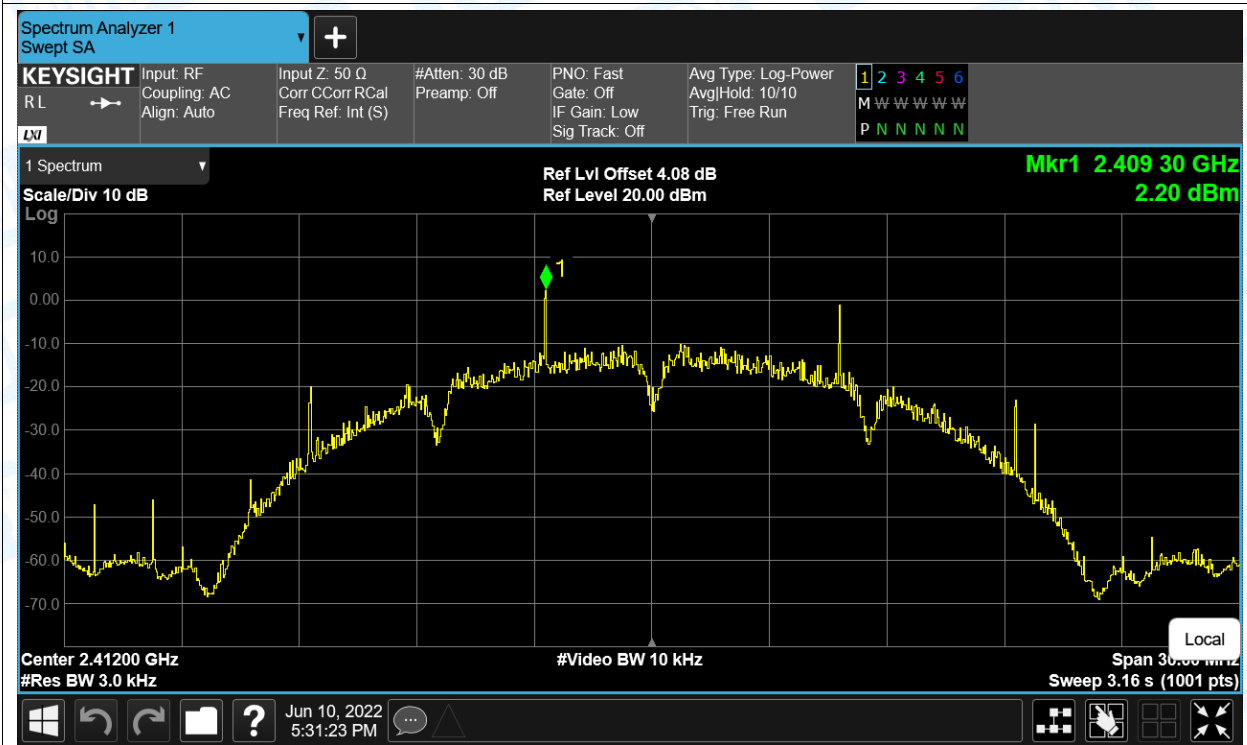
$PSD_{SUM} = 10 * \text{LOG}[10^{(PSD1/10)} + 10^{(PSD2/10)}]$

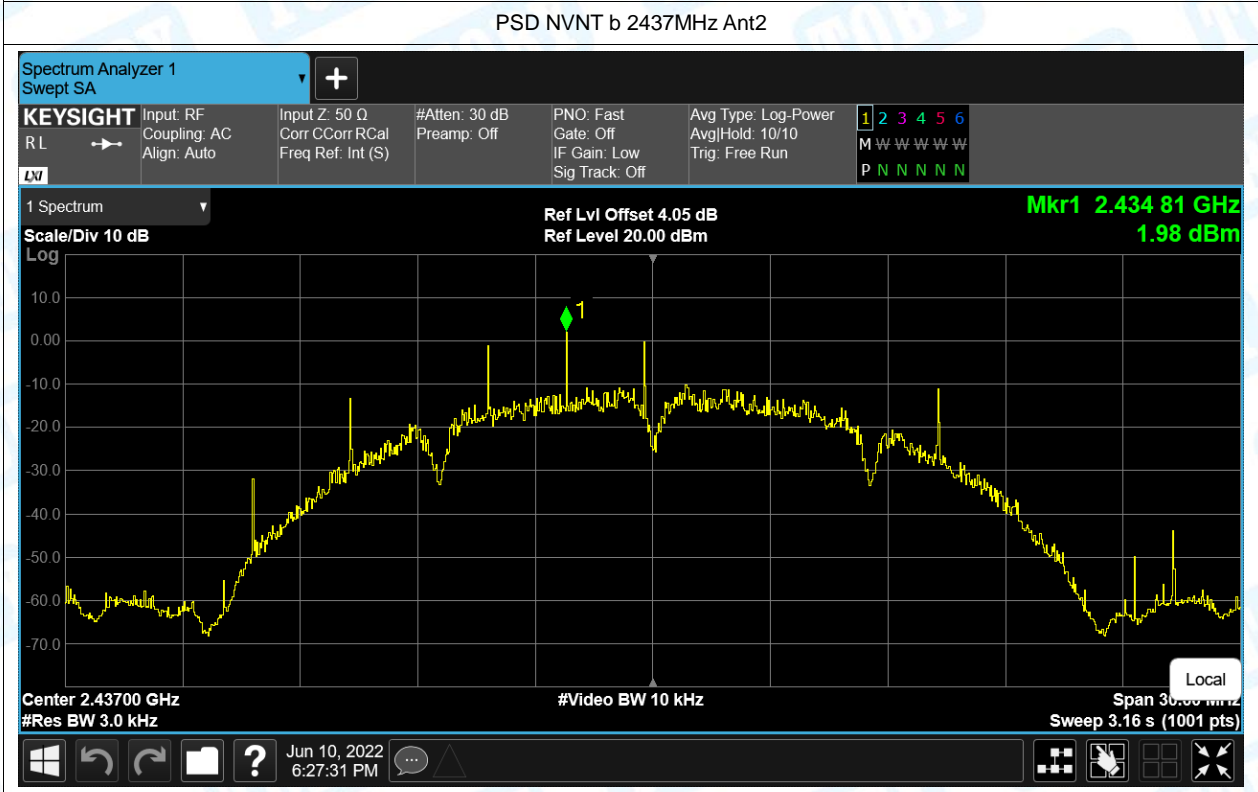
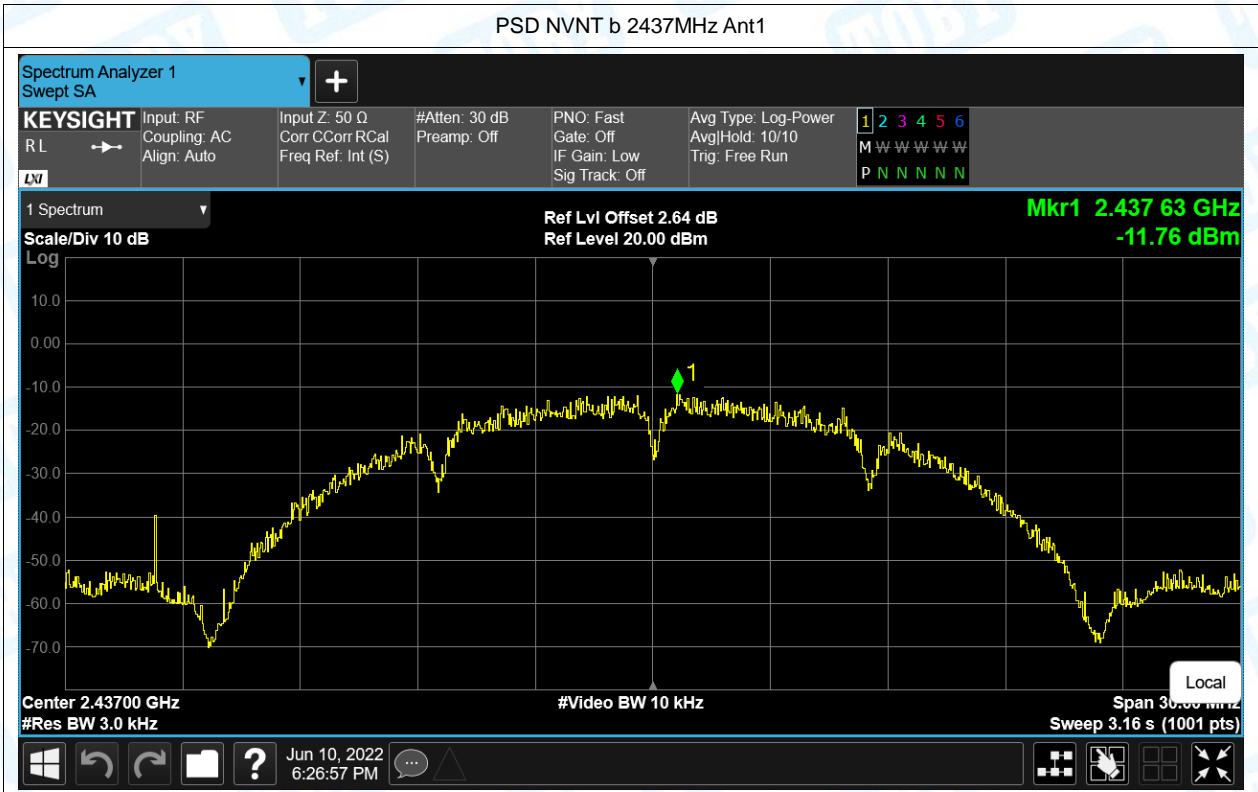
Test Graphs

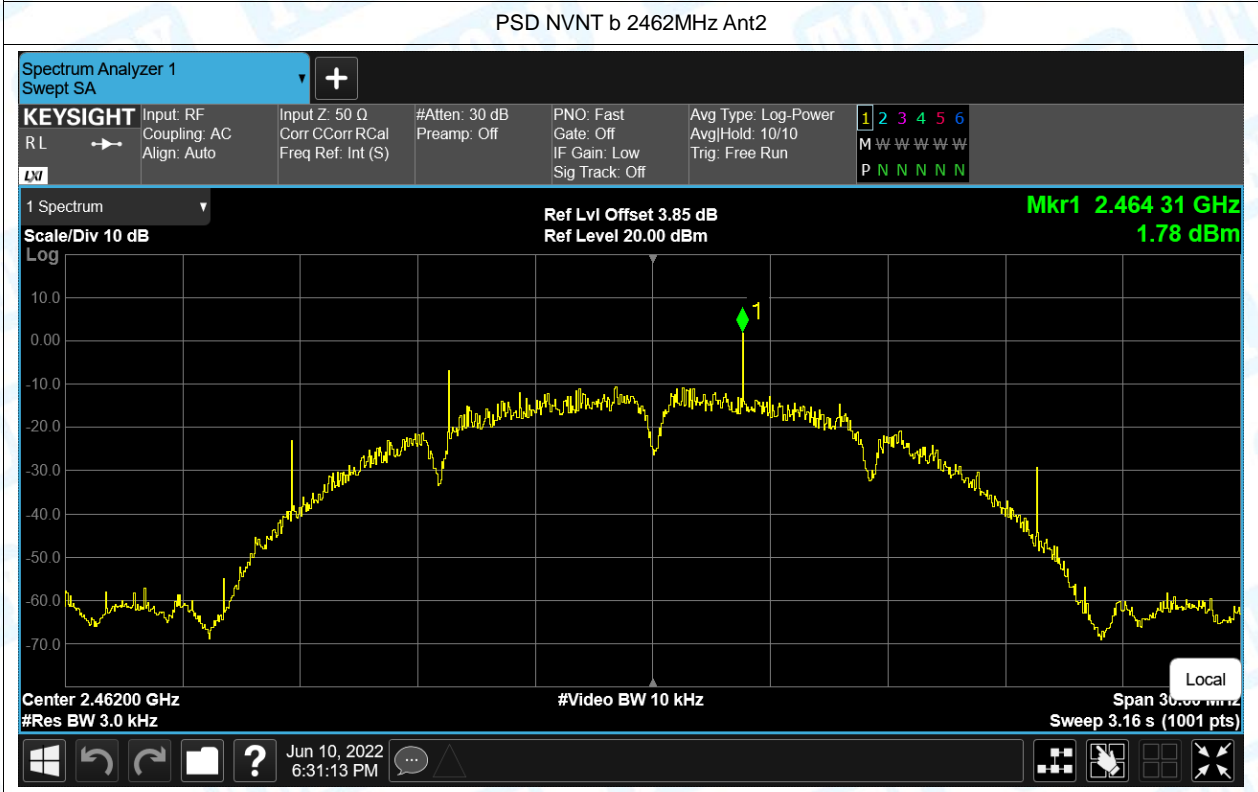
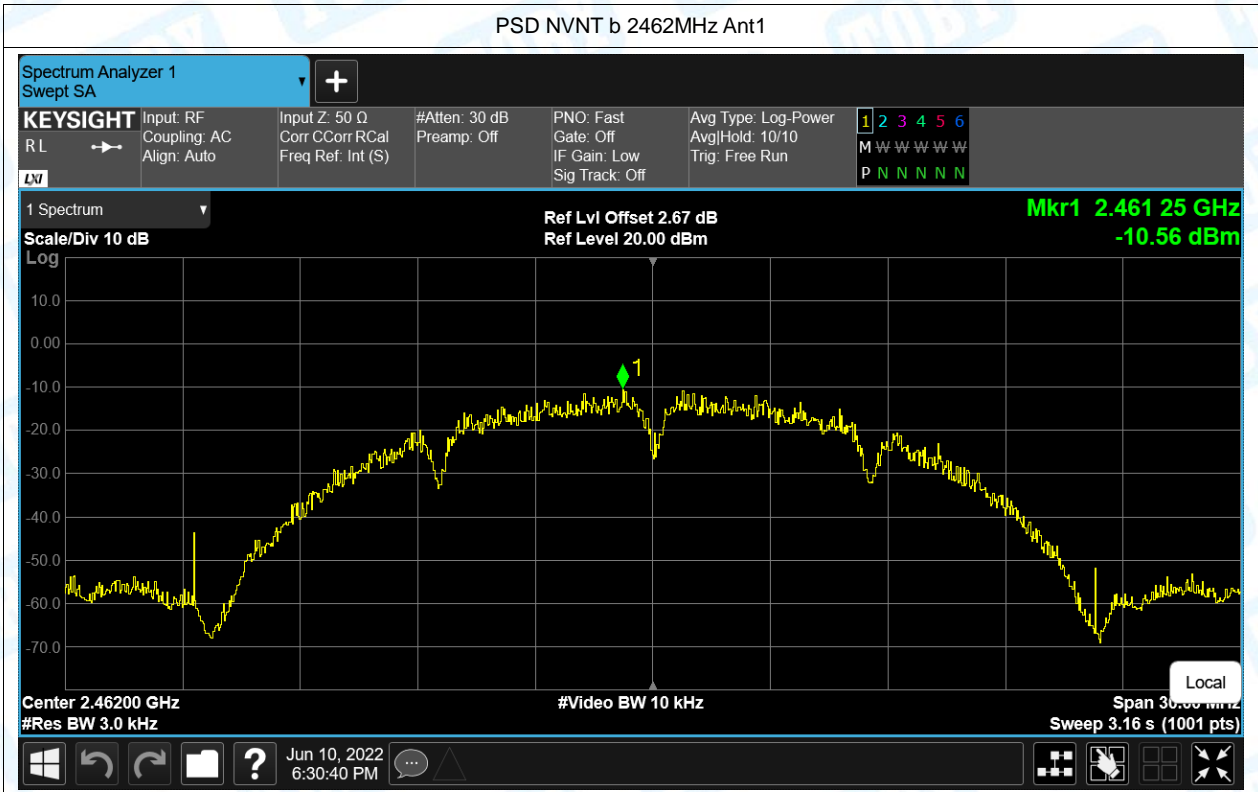
PSD NVNT b 2412MHz Ant1

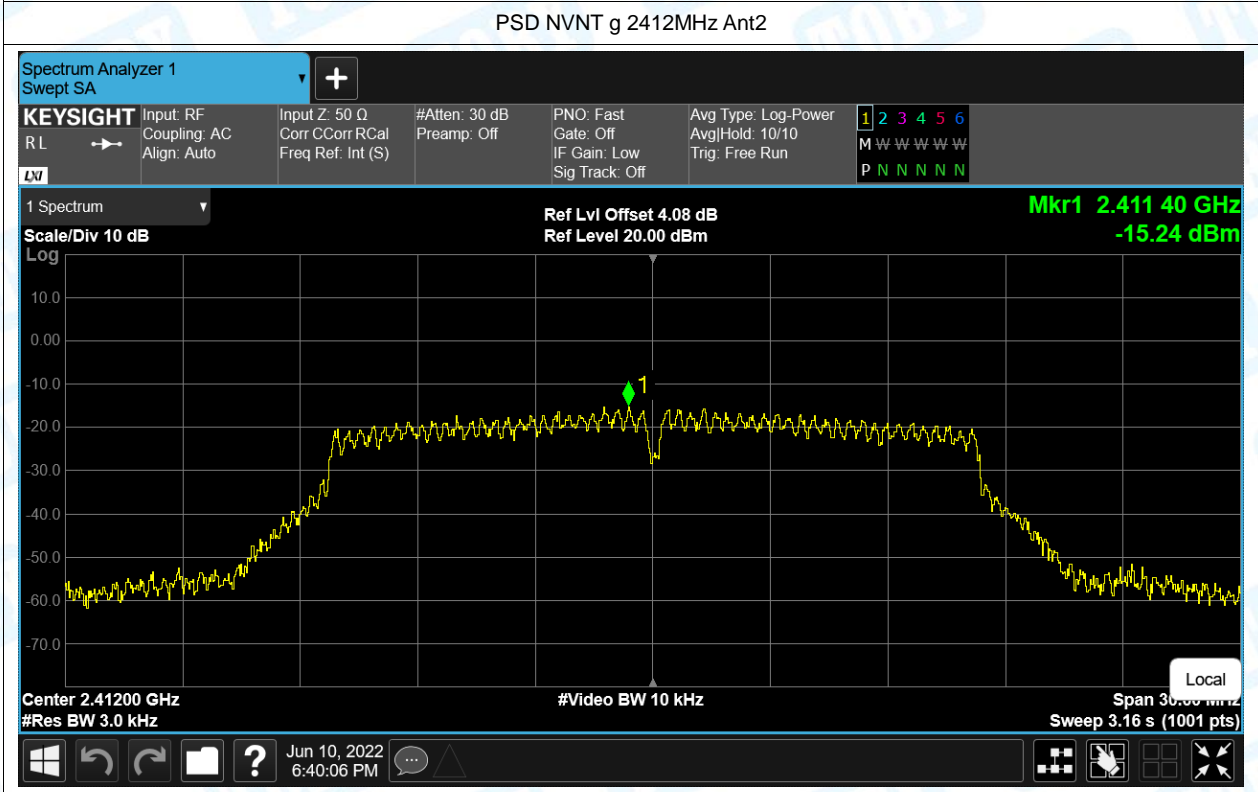
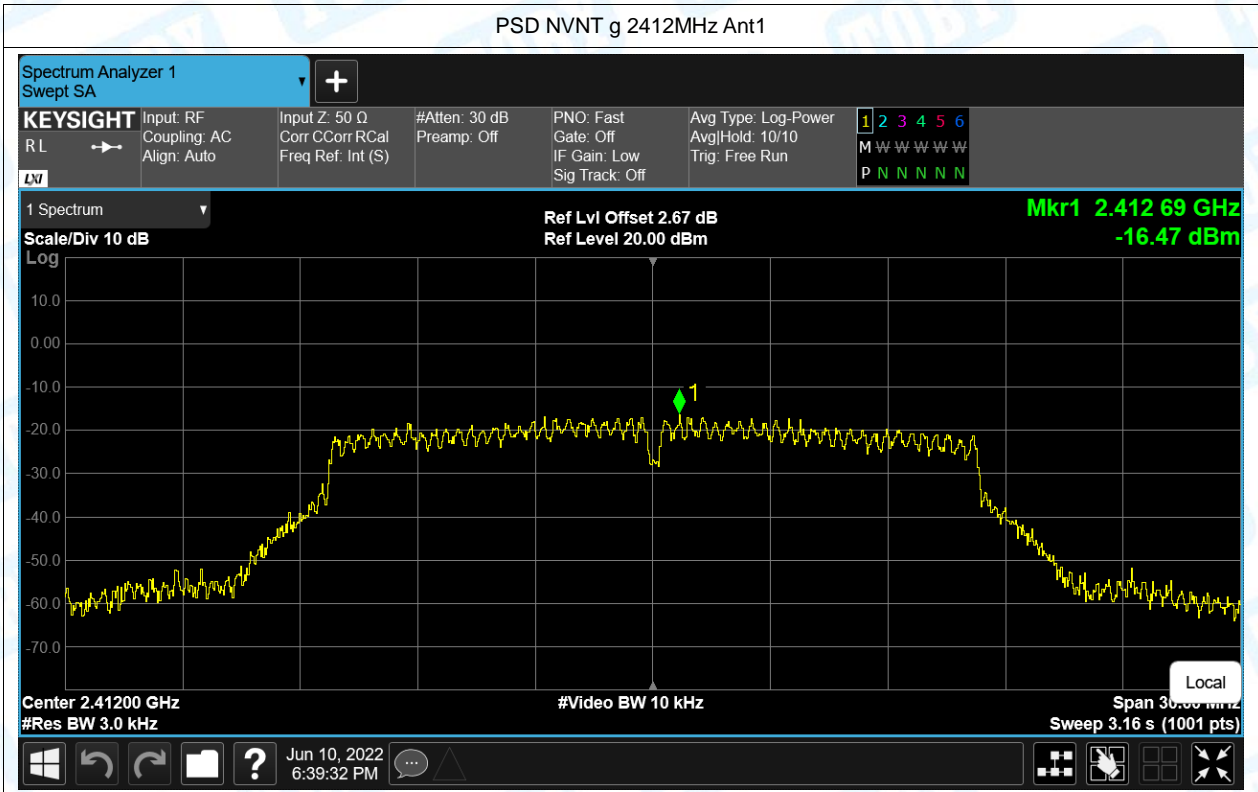


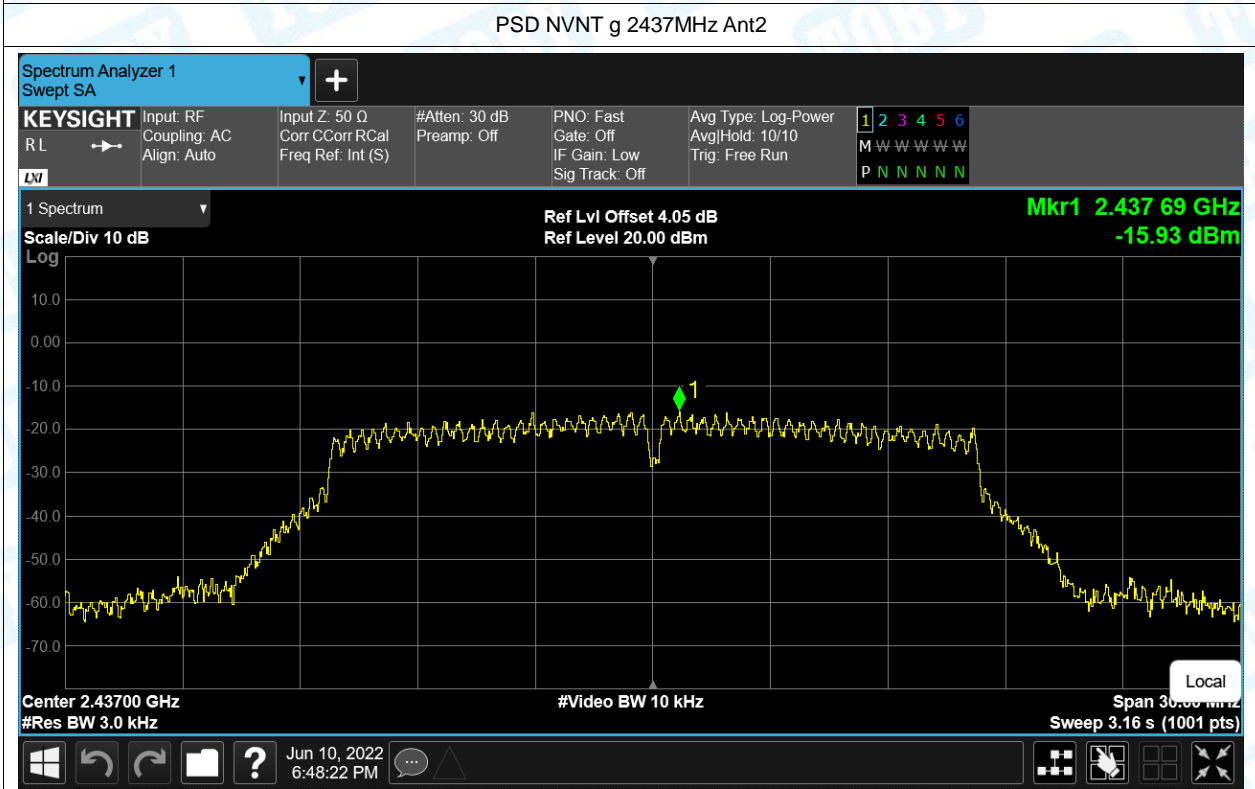
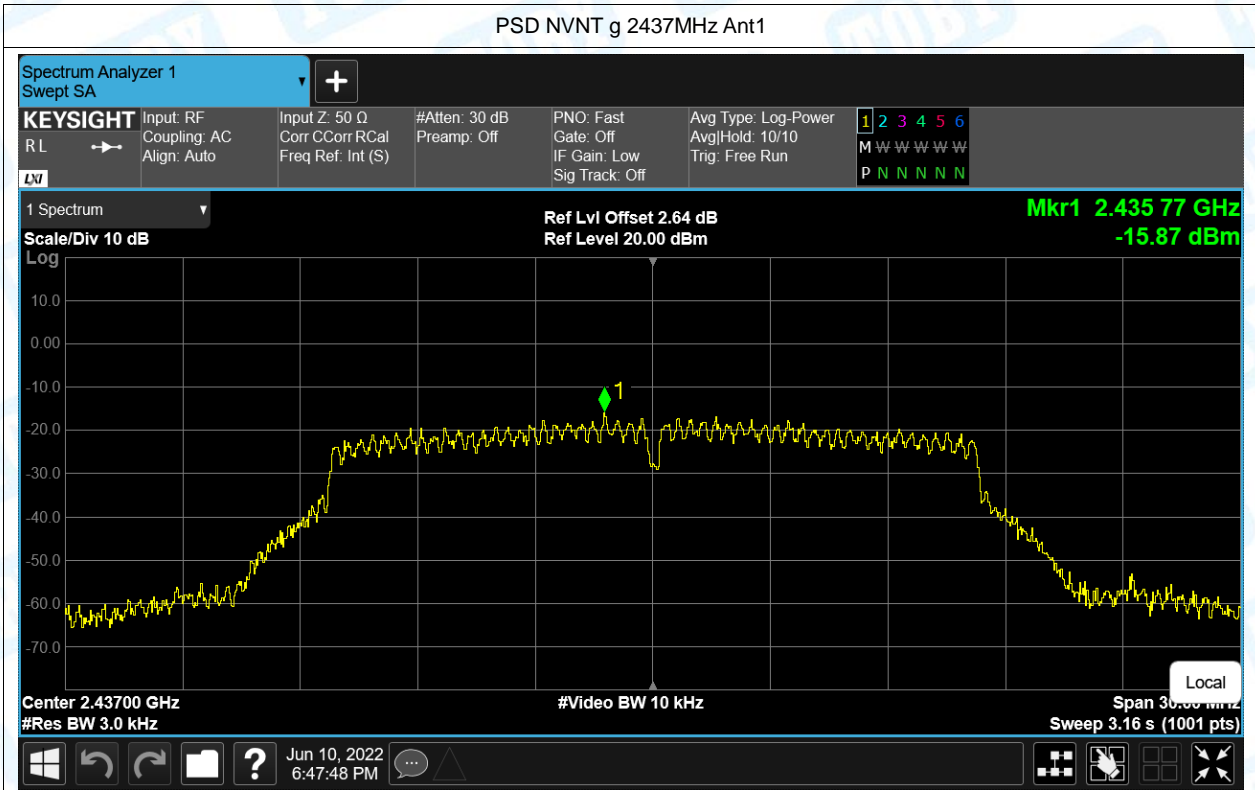
PSD NVNT b 2412MHz Ant2

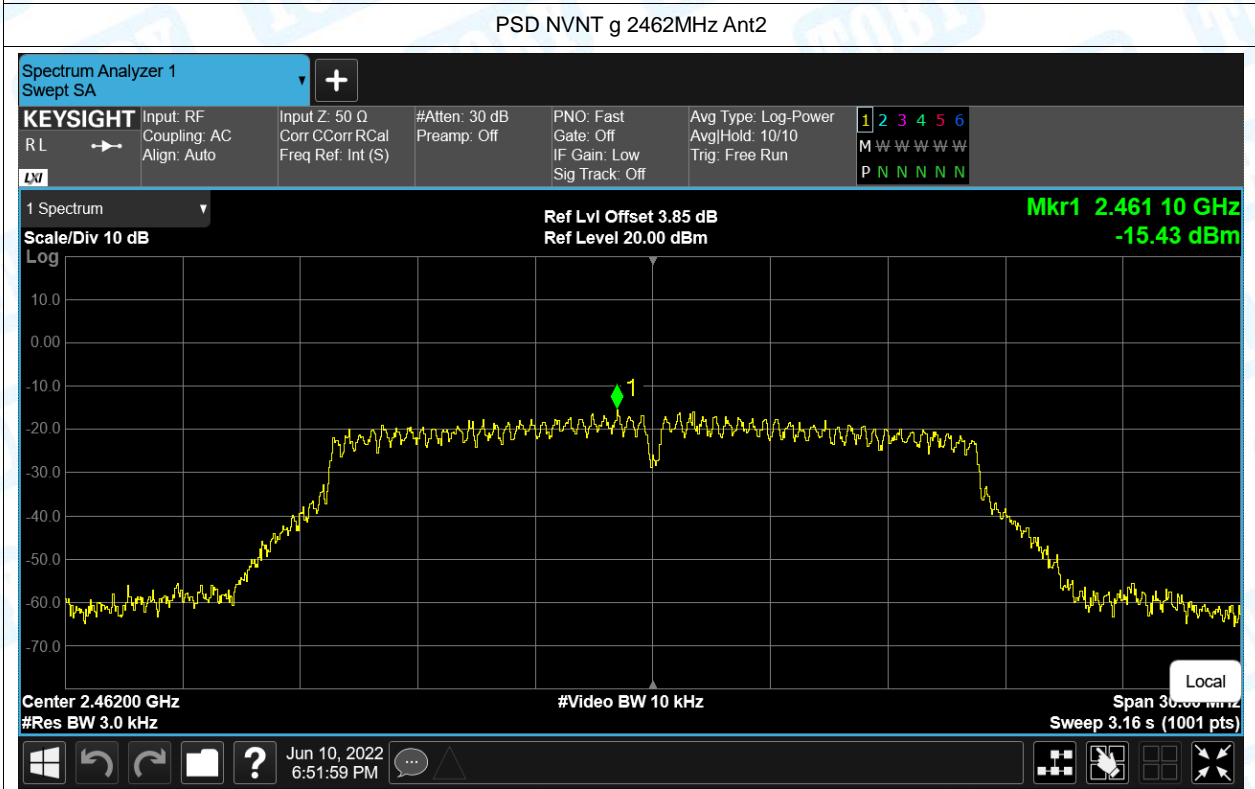
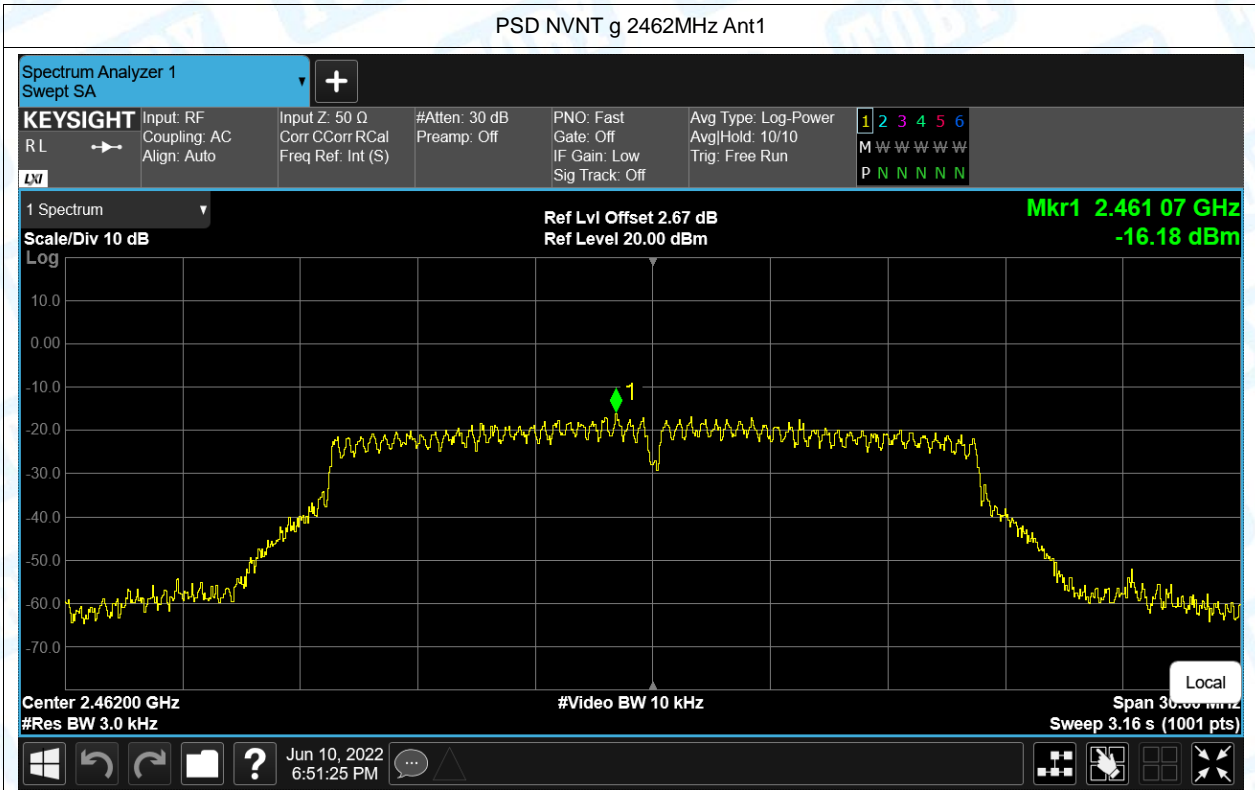


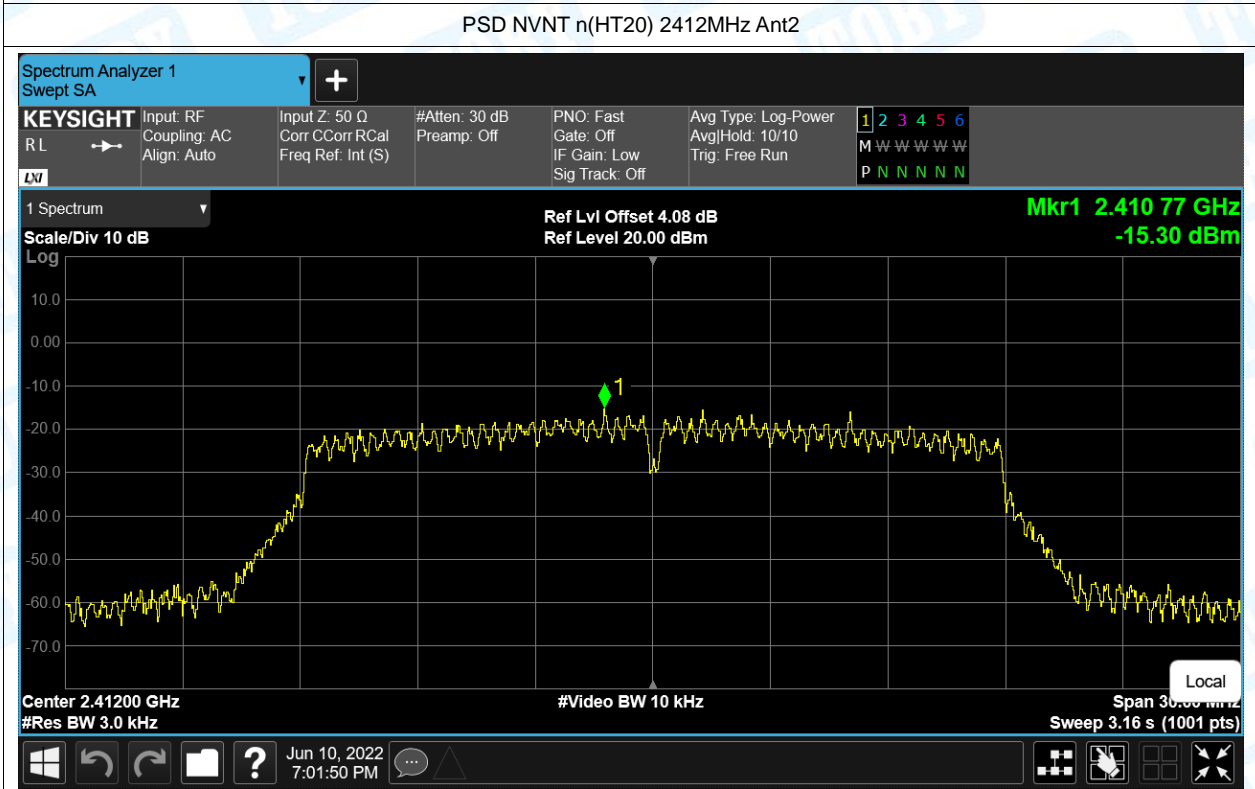
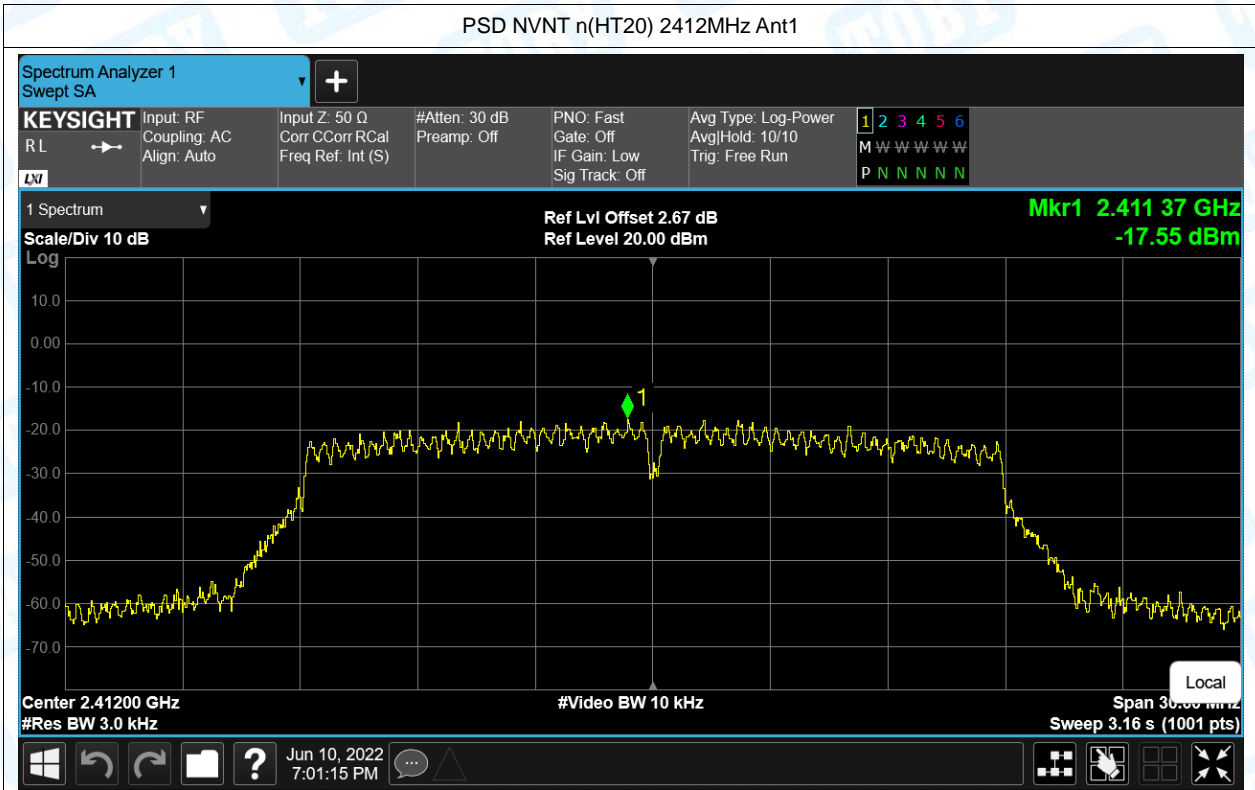


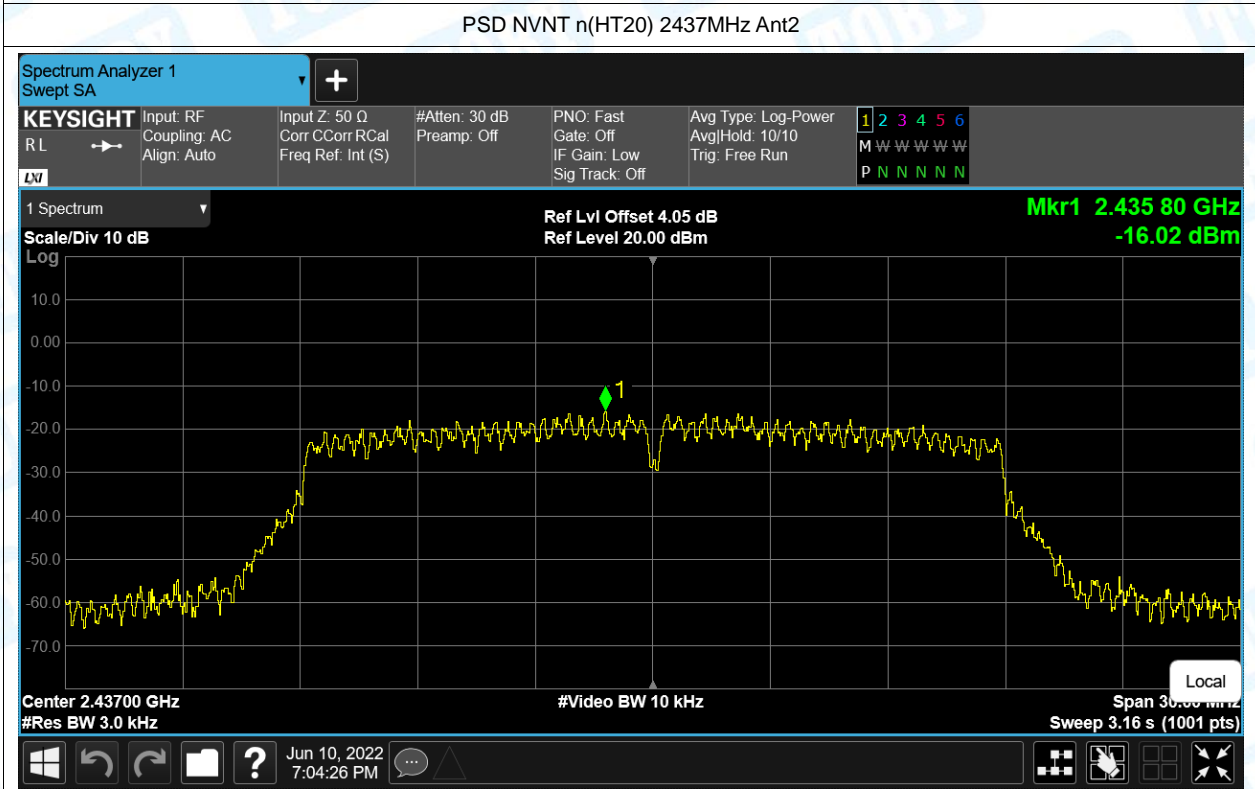
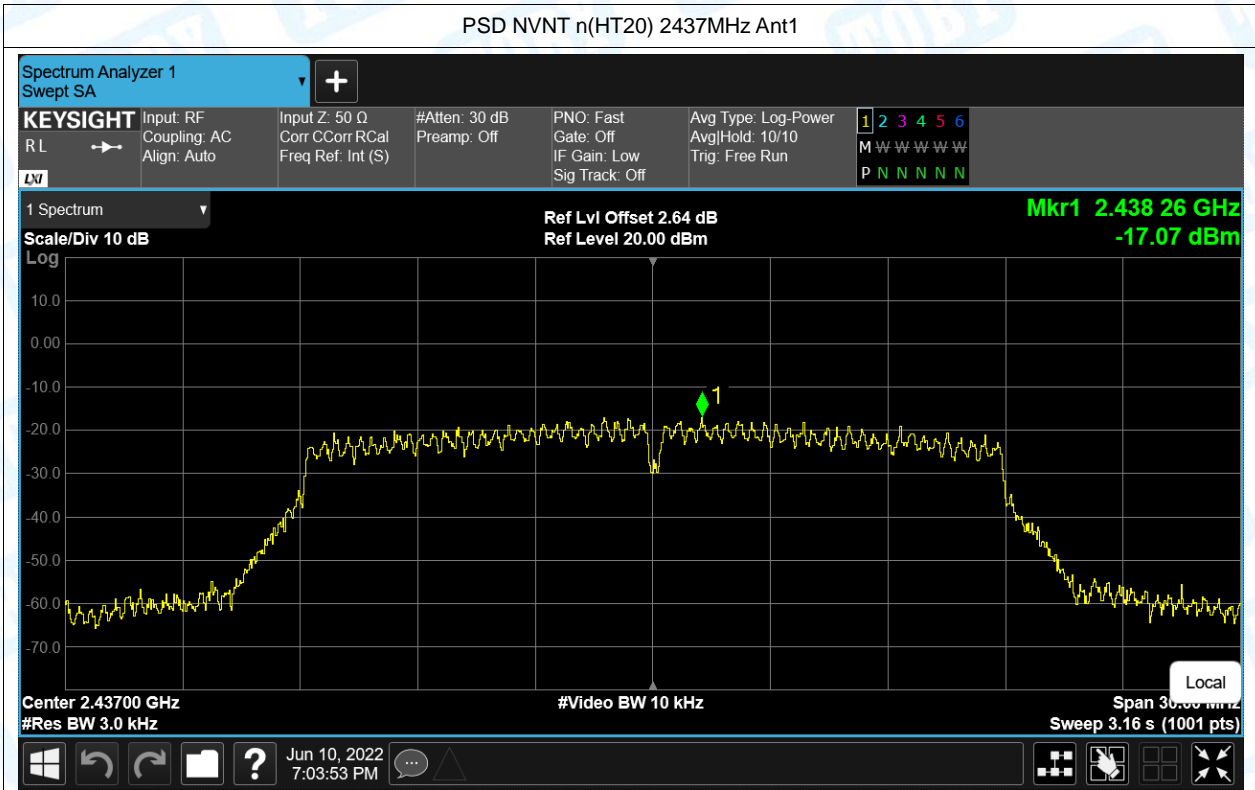


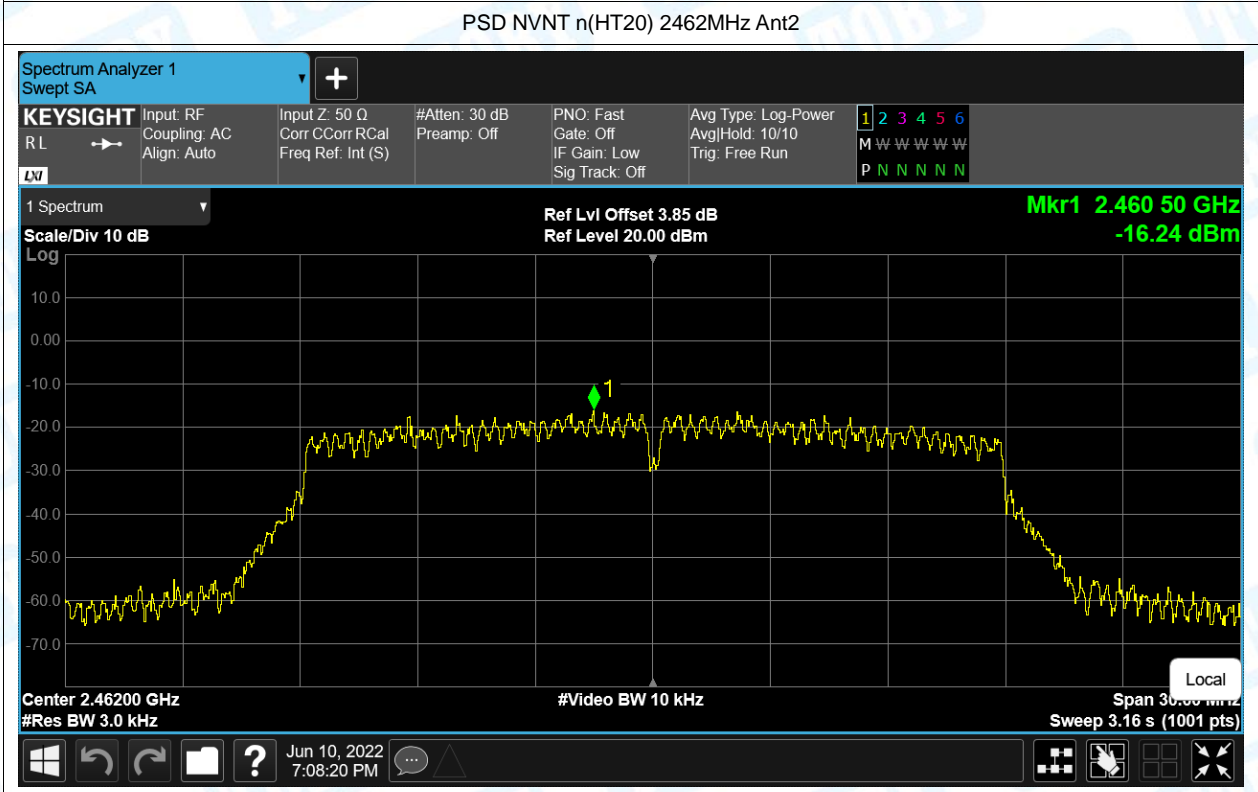
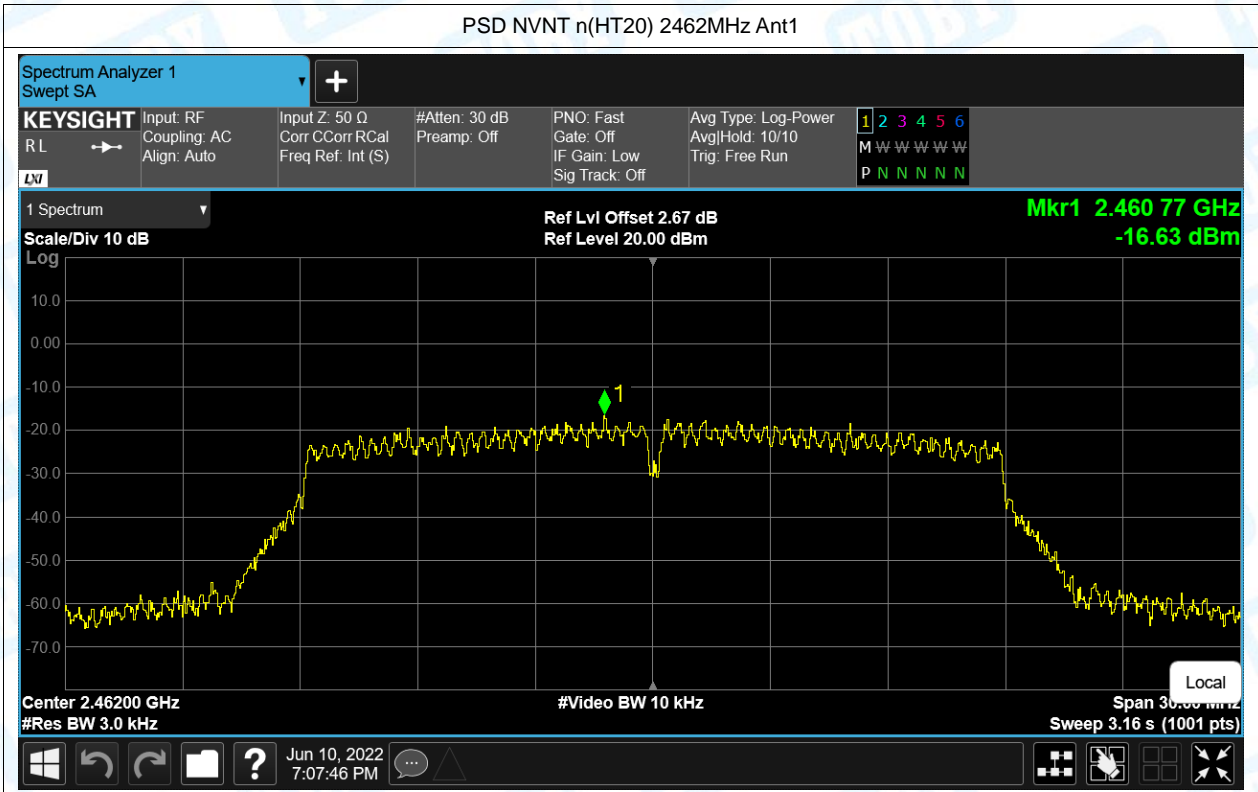


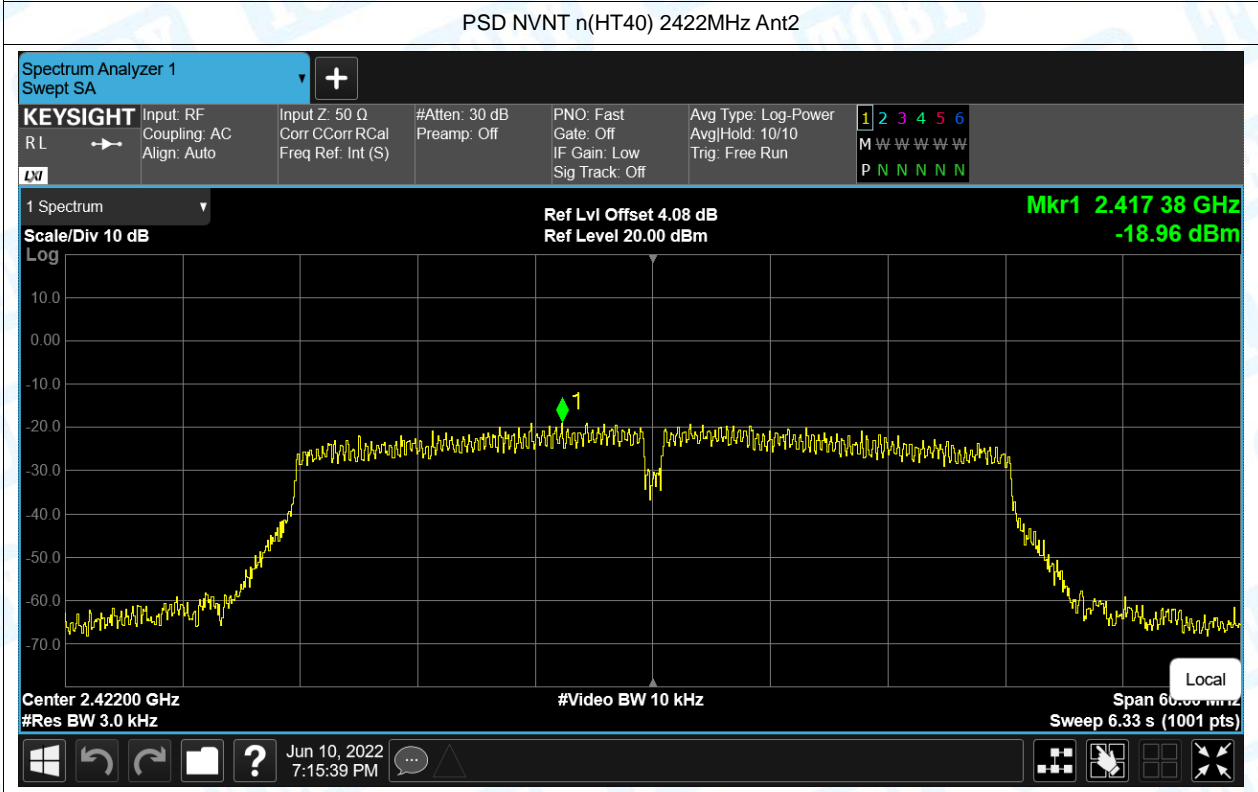
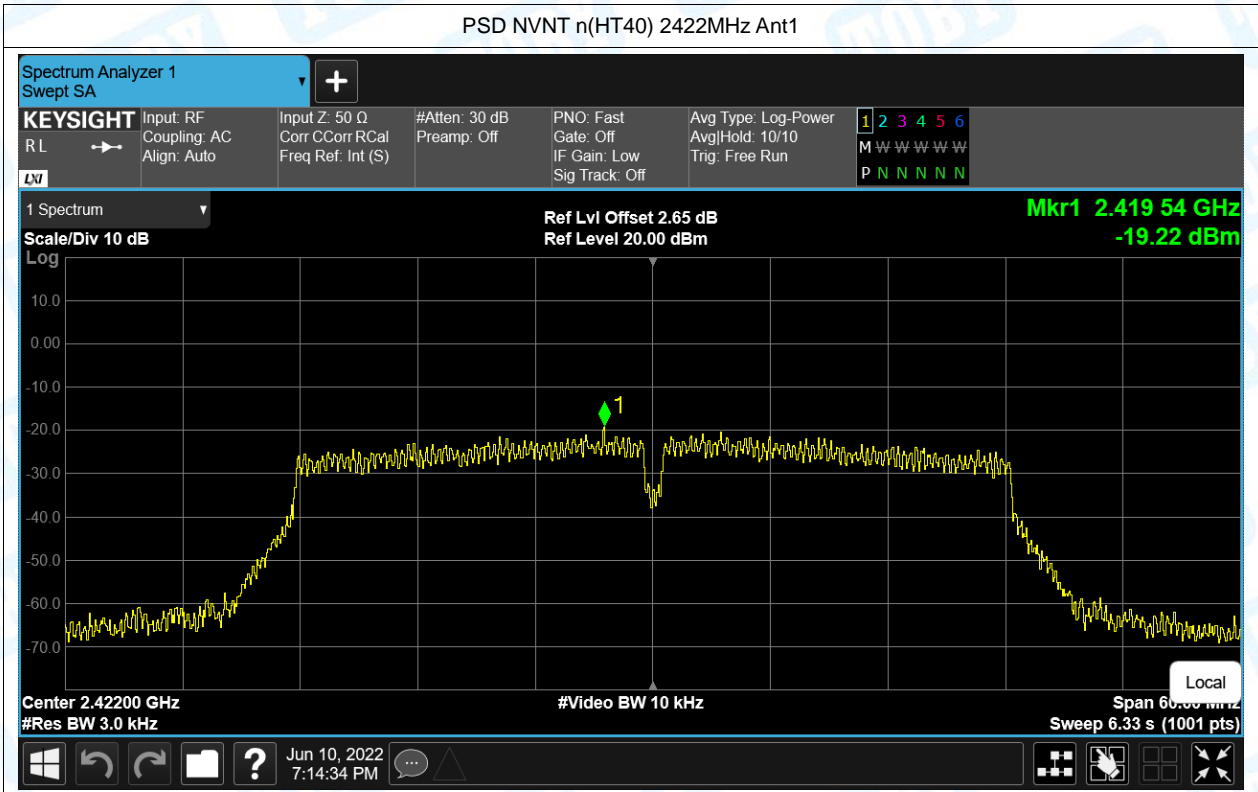


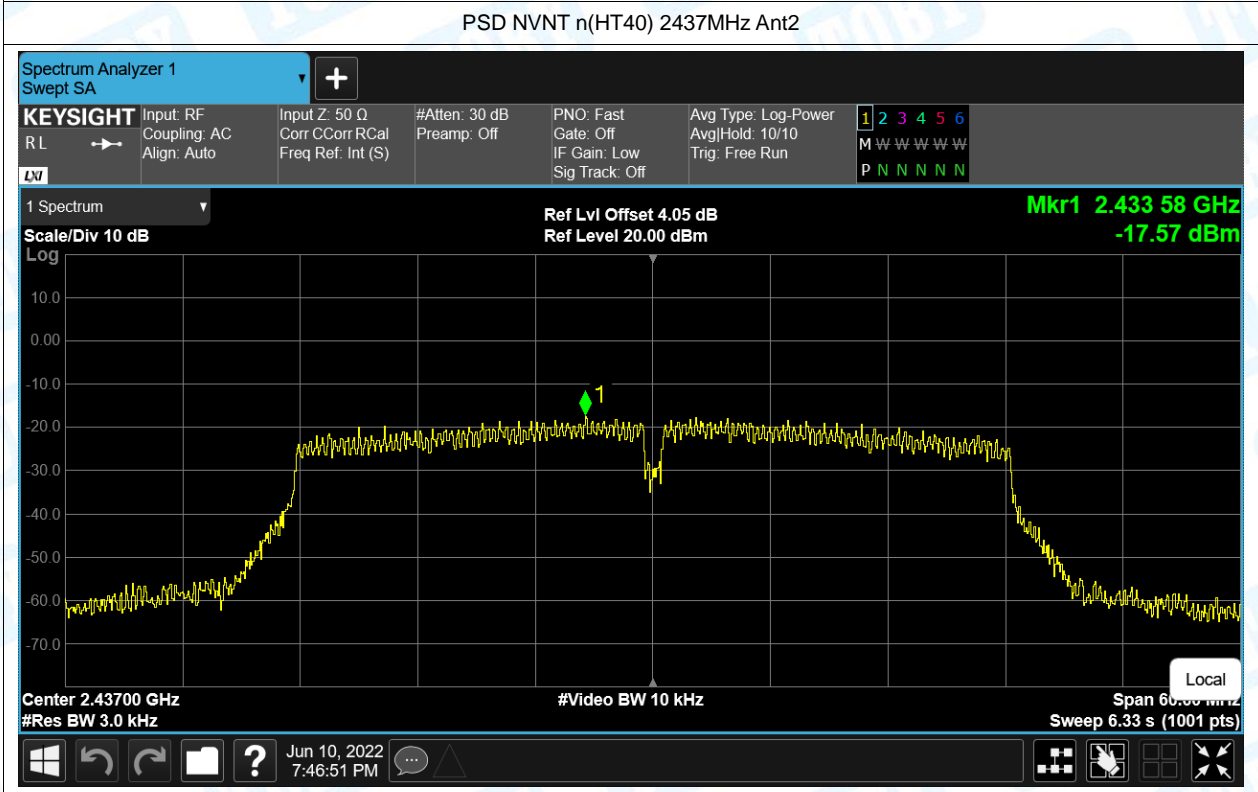
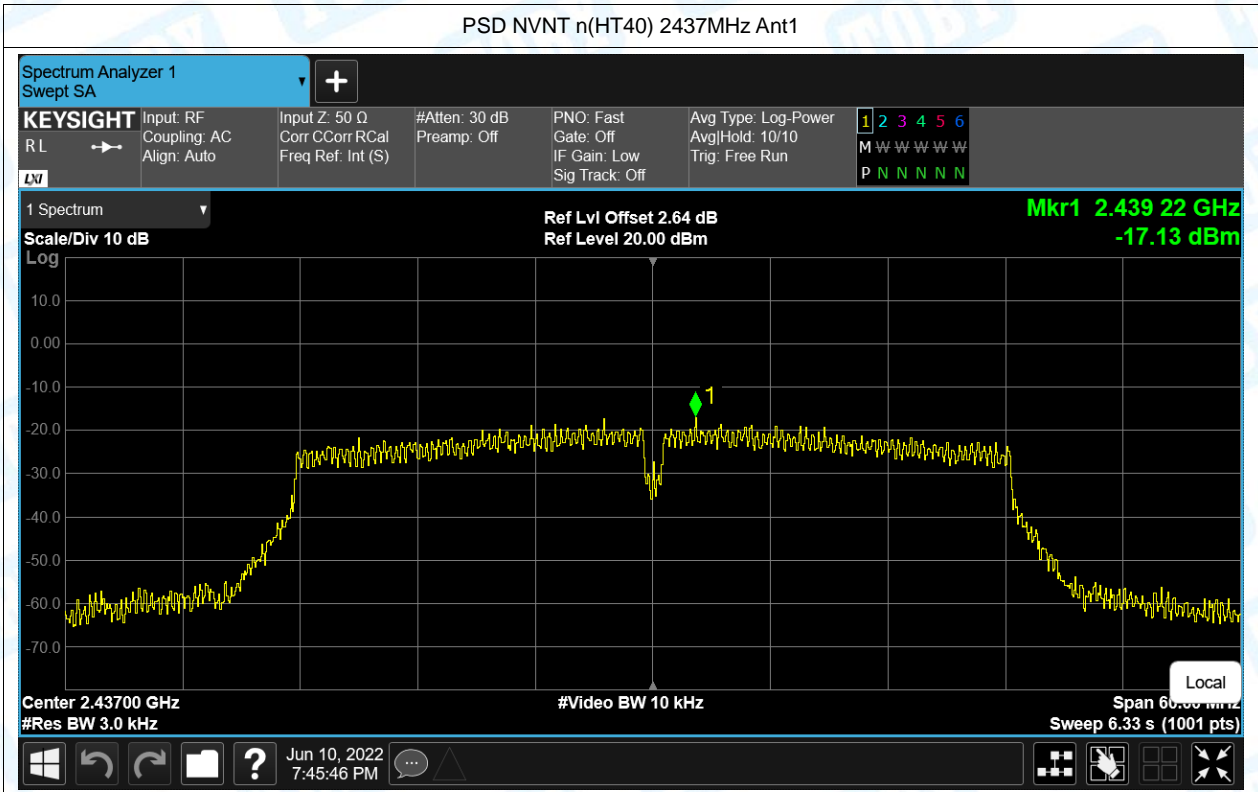


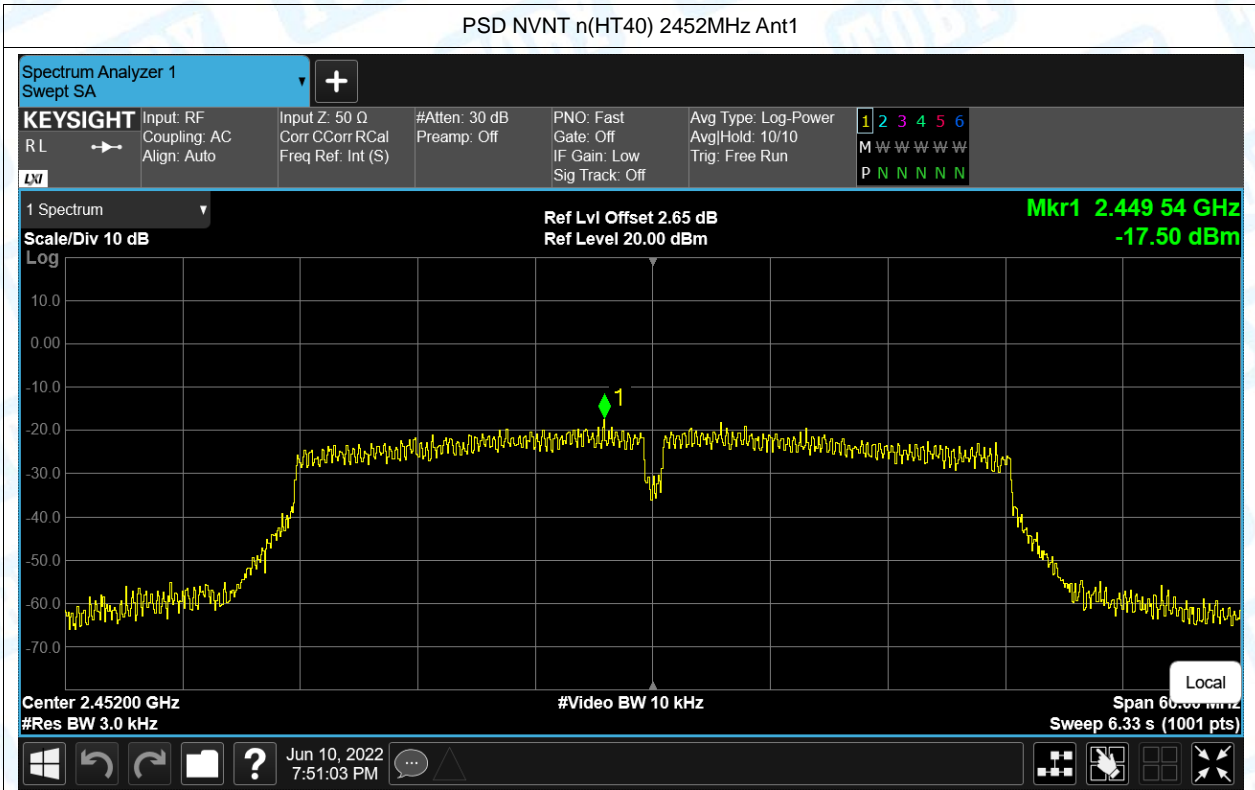










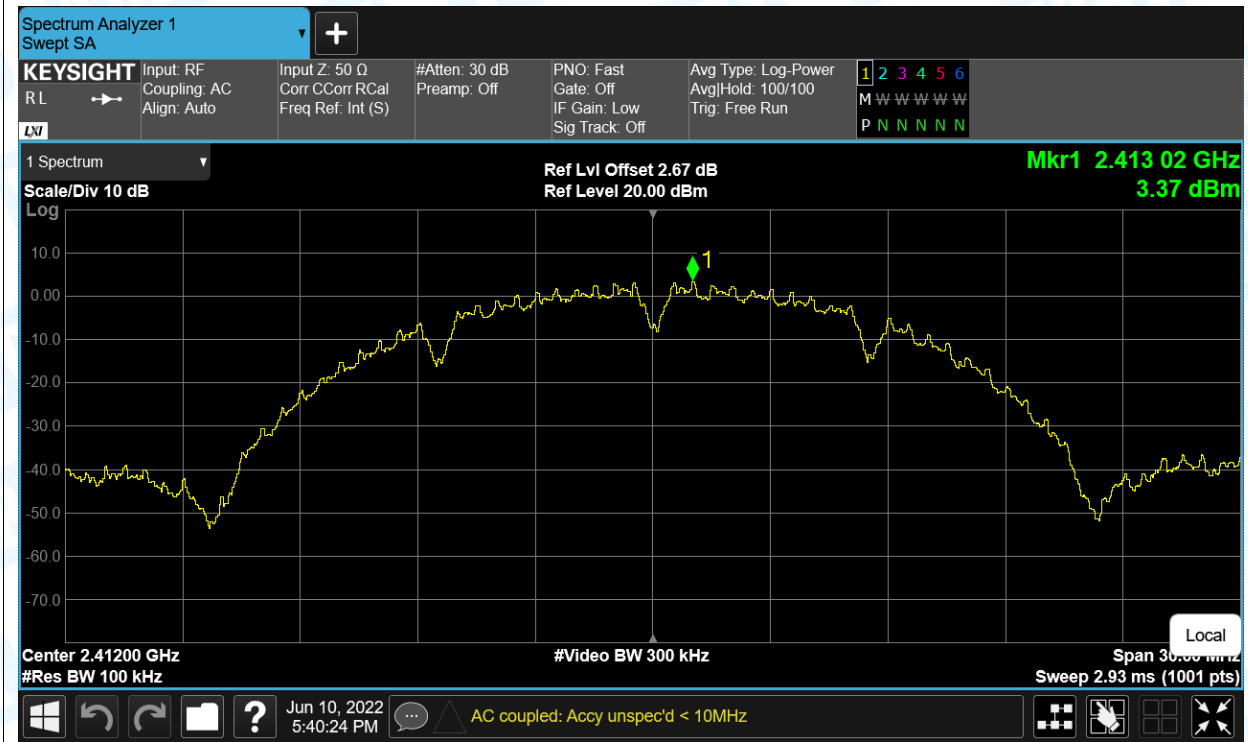


6. Band Edge

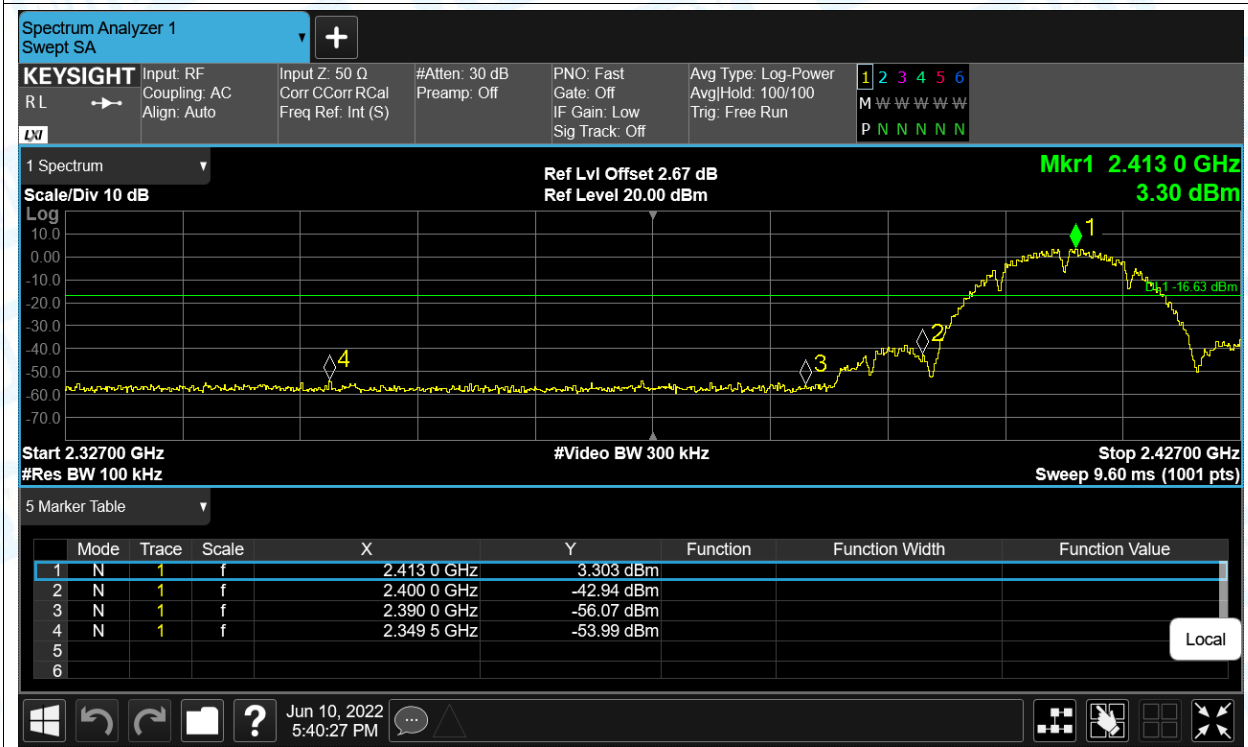
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-57.36	-20	Pass
NVNT	b	2412	Ant2	-57.25	-20	Pass
NVNT	b	2462	Ant1	-57.7	-20	Pass
NVNT	b	2462	Ant2	-56.44	-20	Pass
NVNT	g	2412	Ant1	-50.88	-20	Pass
NVNT	g	2412	Ant2	-51.6	-20	Pass
NVNT	g	2462	Ant1	-51.82	-20	Pass
NVNT	g	2462	Ant2	-51.08	-20	Pass
NVNT	n(HT20)	2412	Ant1	-50.05	-20	Pass
NVNT	n(HT20)	2412	Ant2	-49.29	-20	Pass
NVNT	n(HT20)	2462	Ant1	-50.91	-20	Pass
NVNT	n(HT20)	2462	Ant2	-49.16	-20	Pass
NVNT	n(HT40)	2422	Ant1	-43.12	-20	Pass
NVNT	n(HT40)	2422	Ant2	-42.21	-20	Pass
NVNT	n(HT40)	2452	Ant1	-41.94	-20	Pass
NVNT	n(HT40)	2452	Ant2	-44.14	-20	Pass

Test Graphs

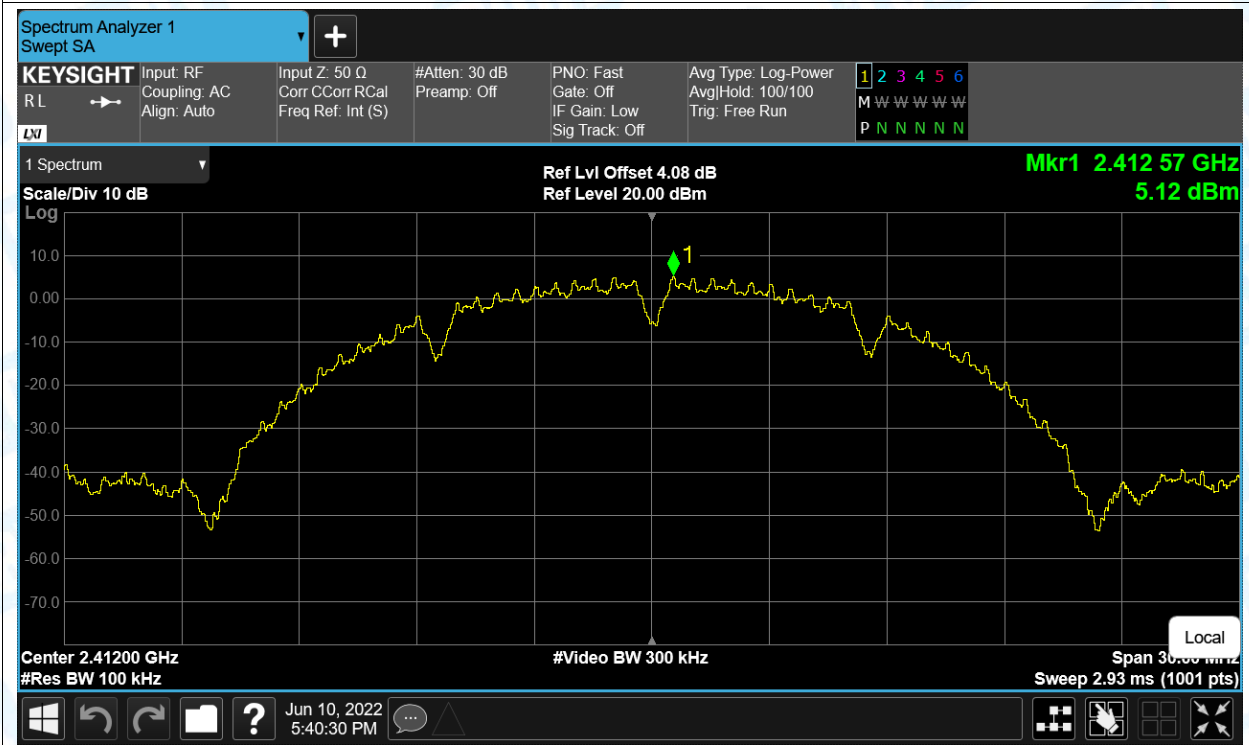
Band Edge NVNT b 2412MHz Ant1 Ref



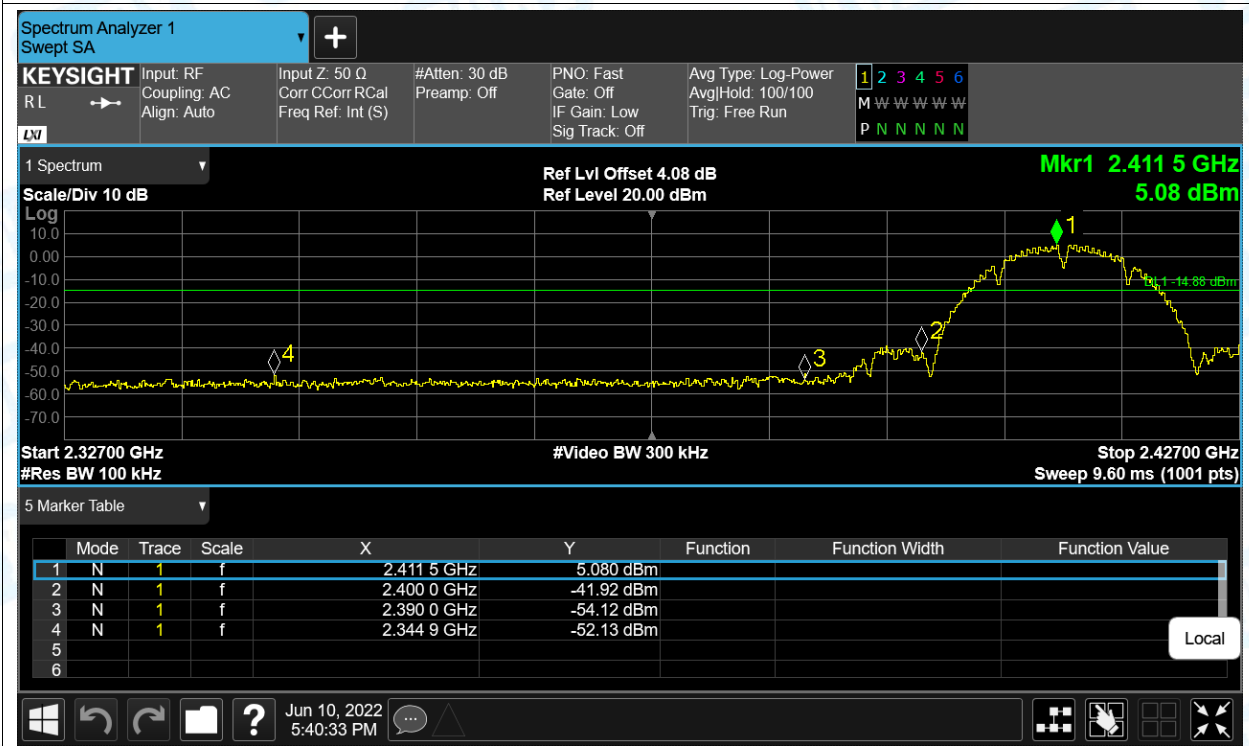
Band Edge NVNT b 2412MHz Ant1 Emission

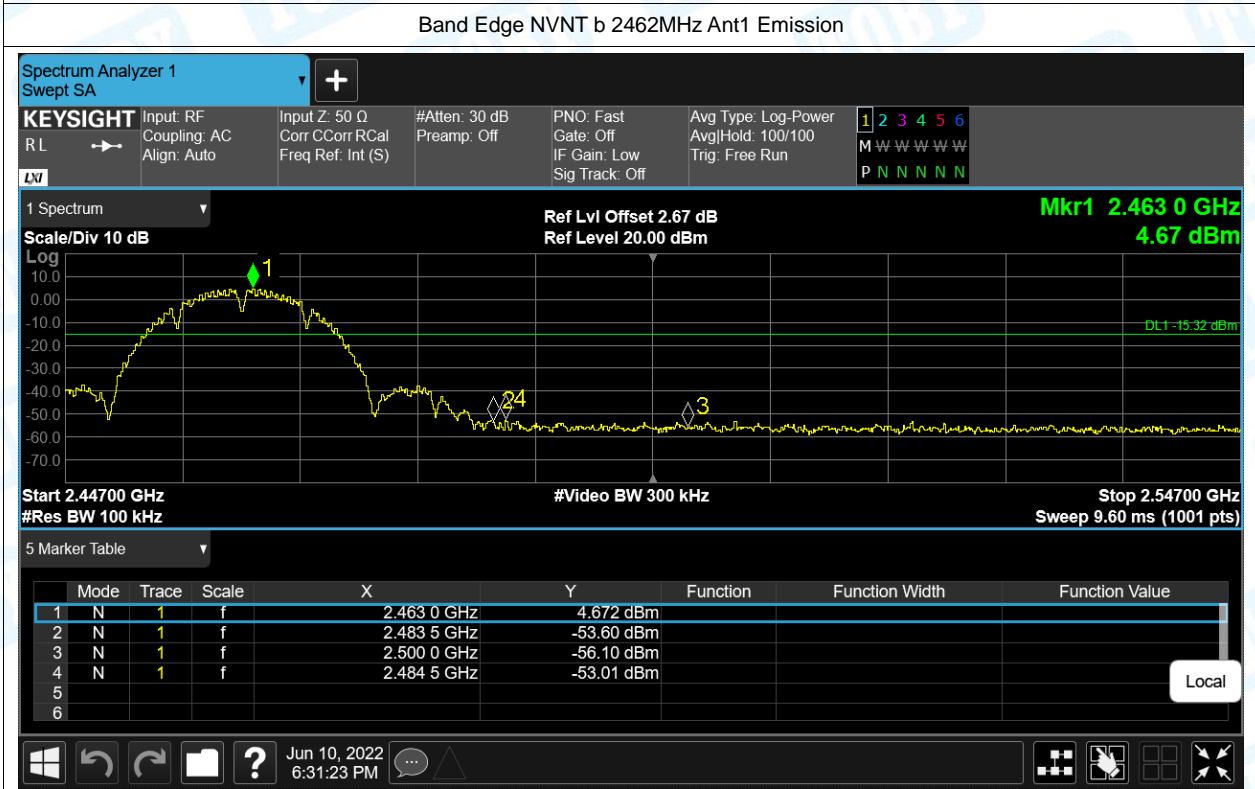
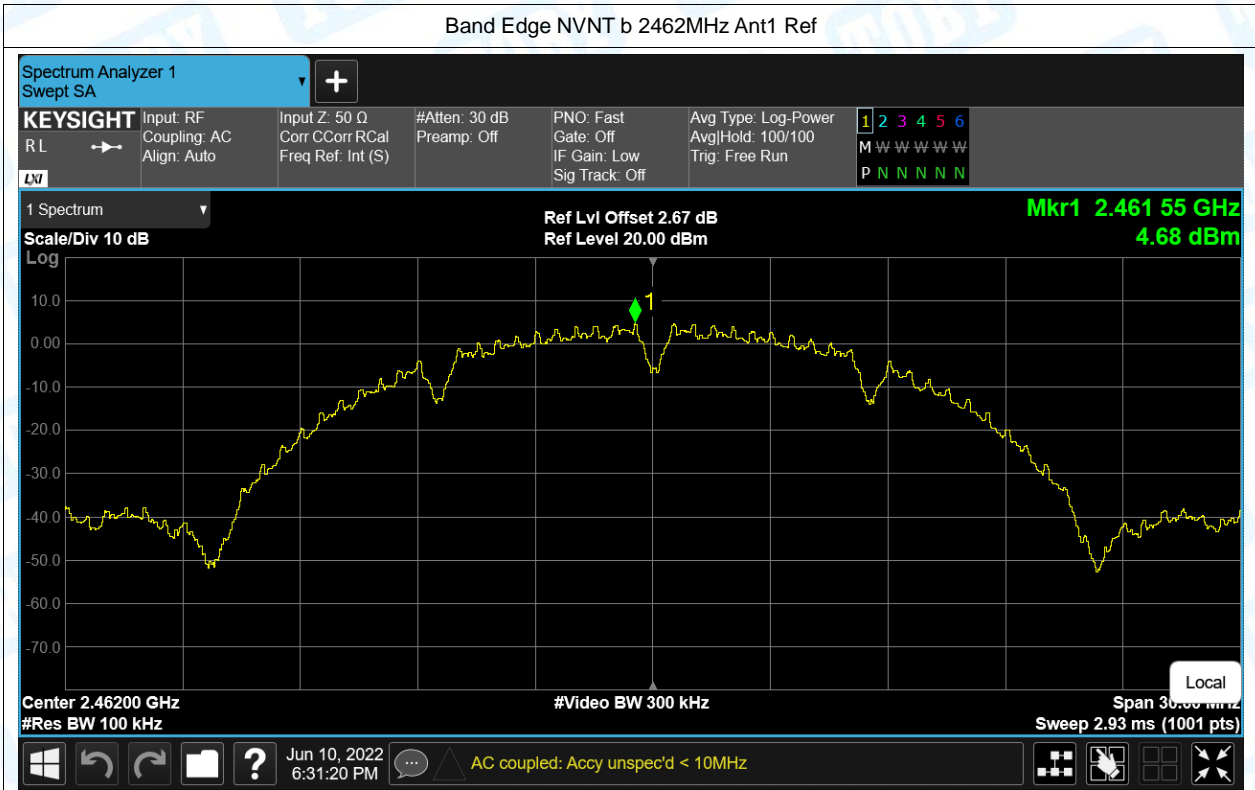


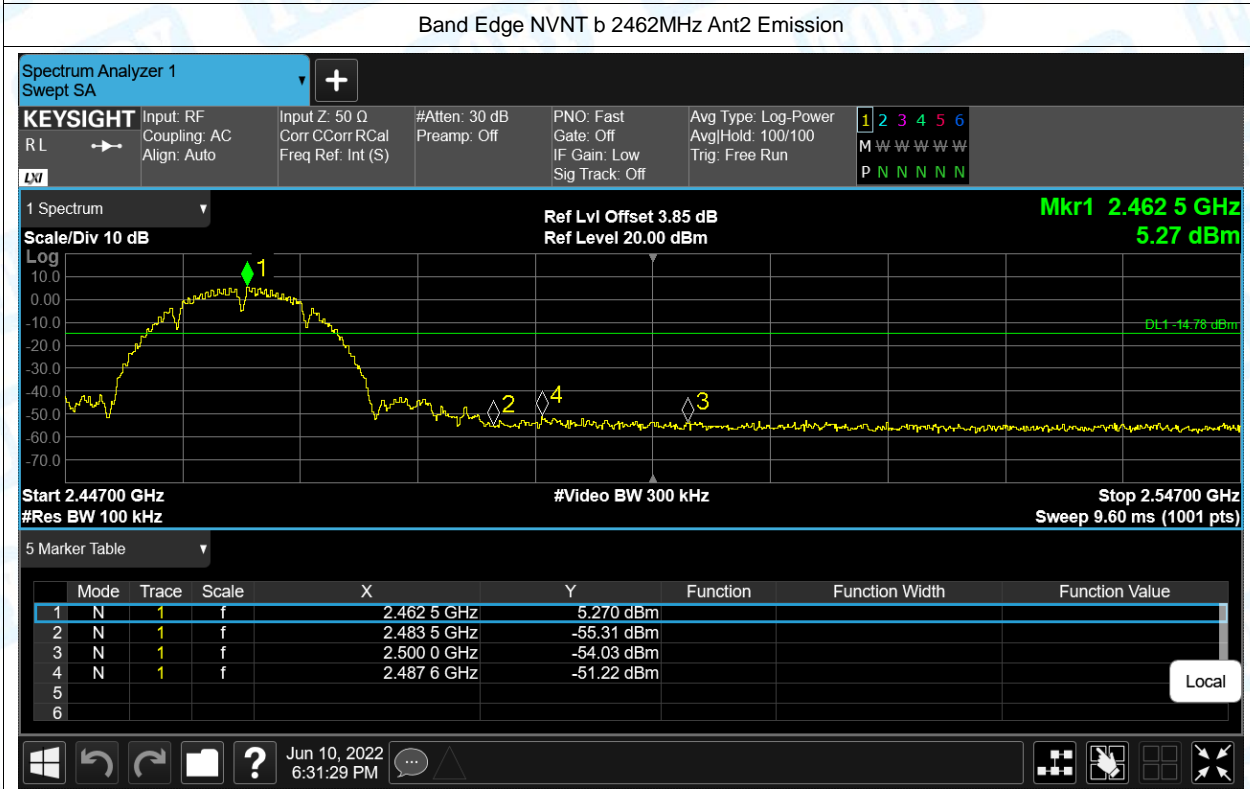
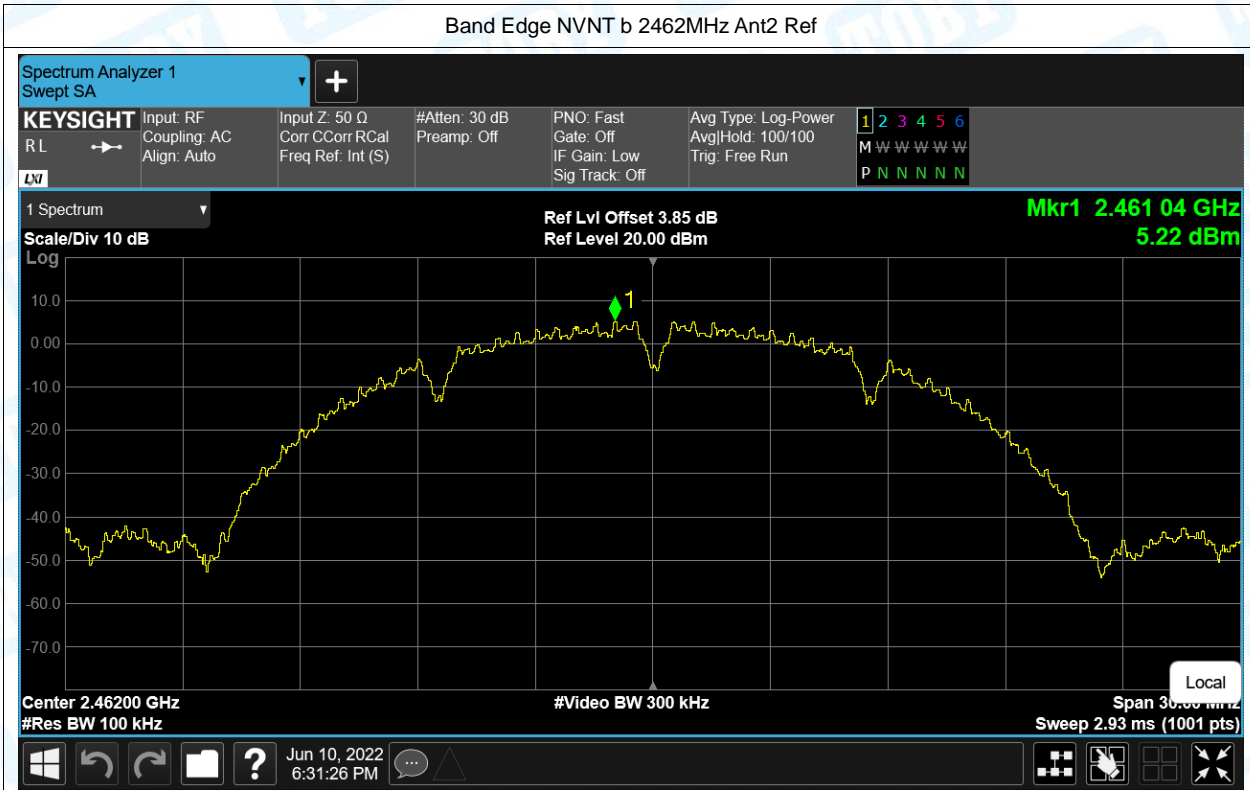
Band Edge NVNT b 2412MHz Ant2 Ref

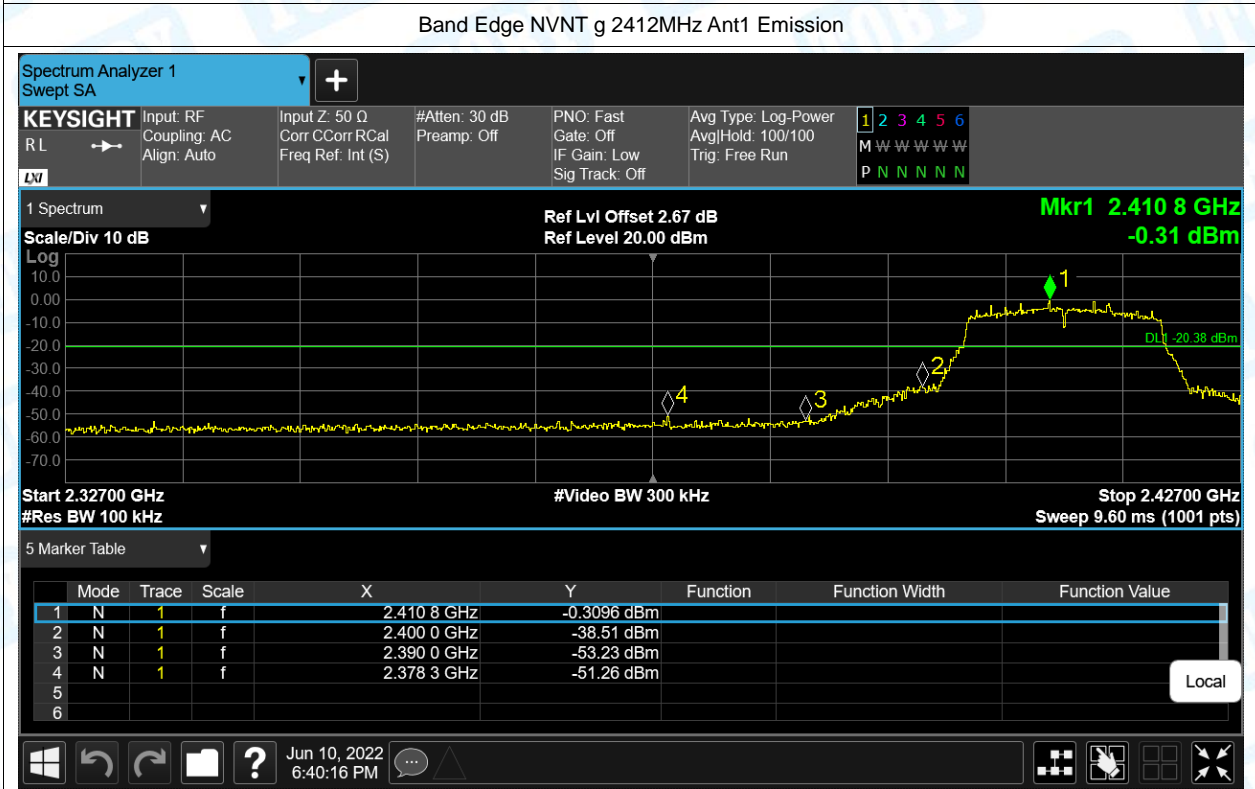
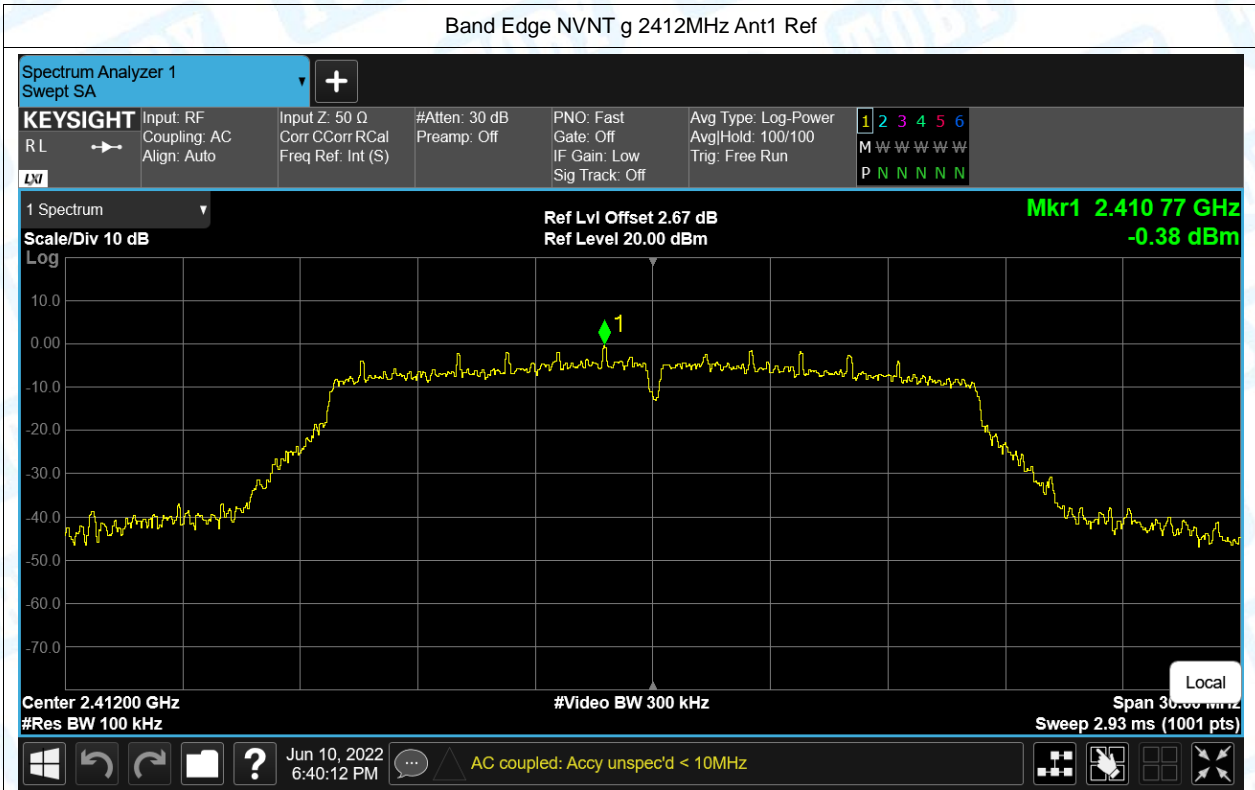


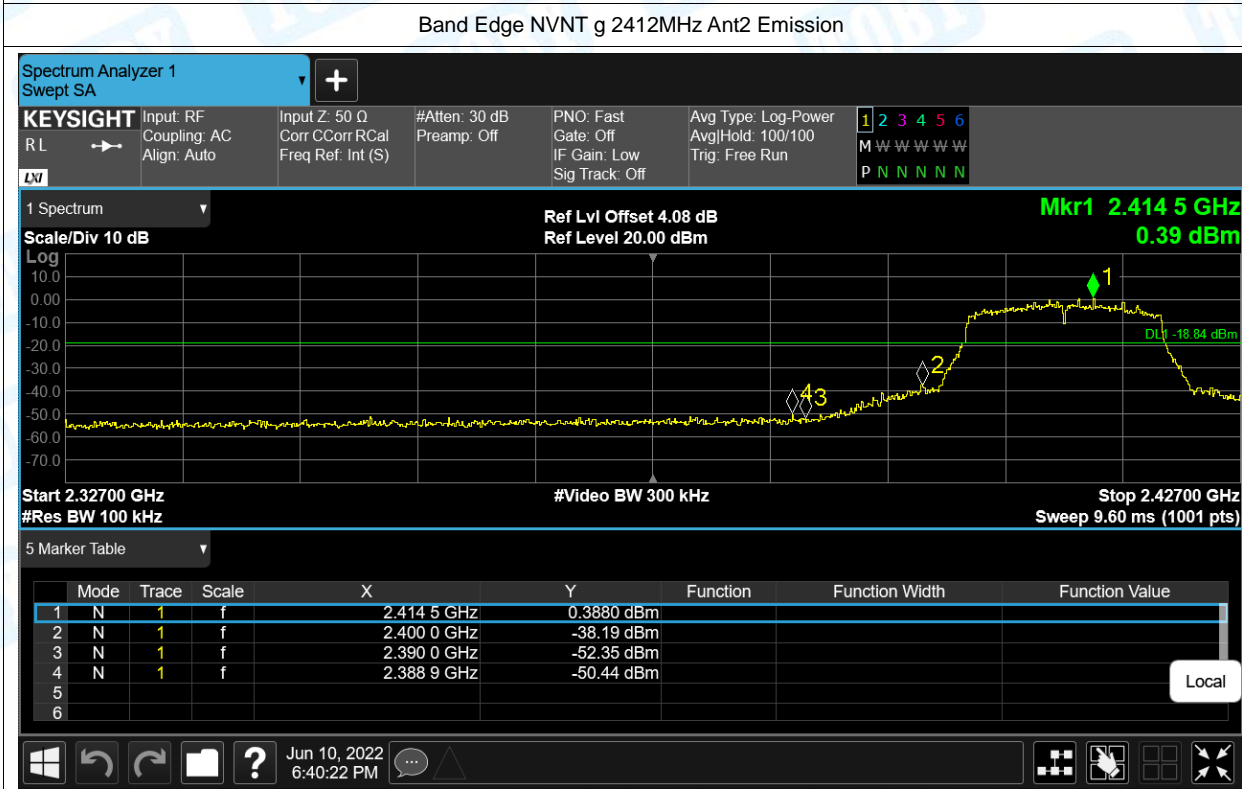
Band Edge NVNT b 2412MHz Ant2 Emission

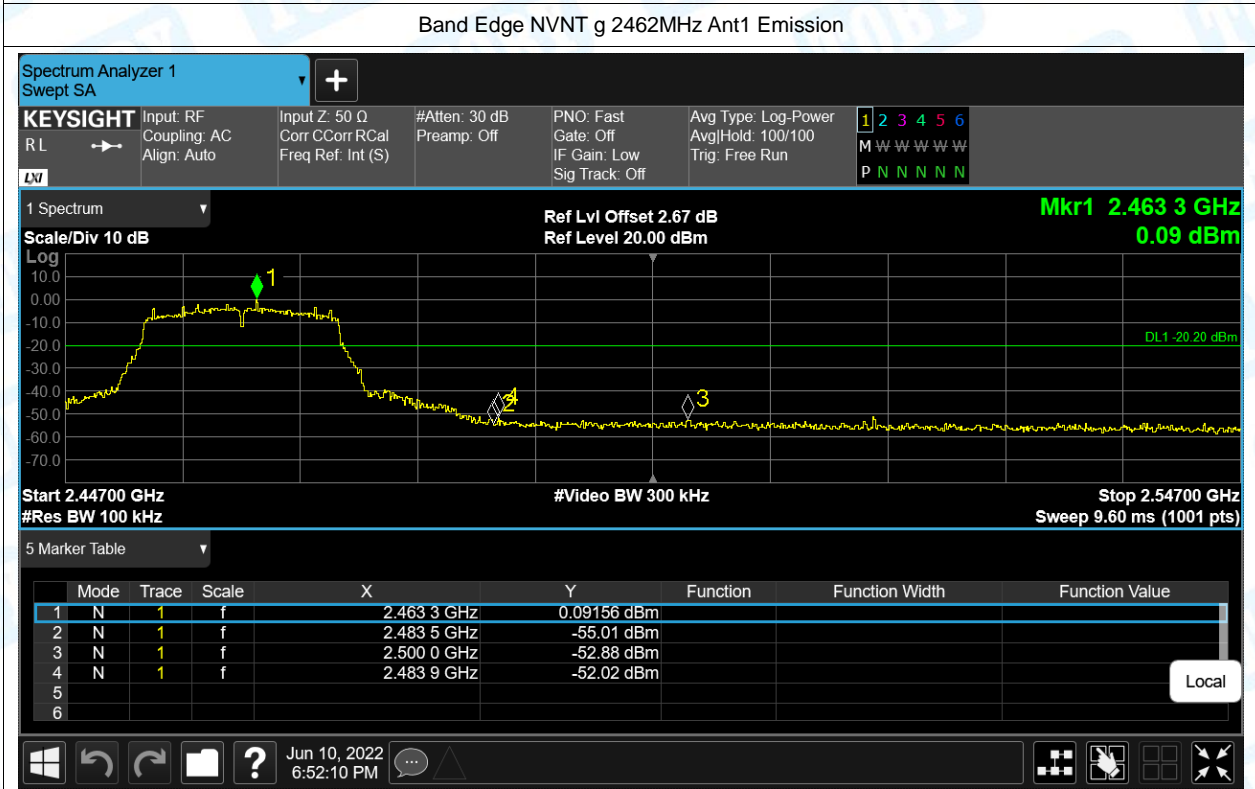
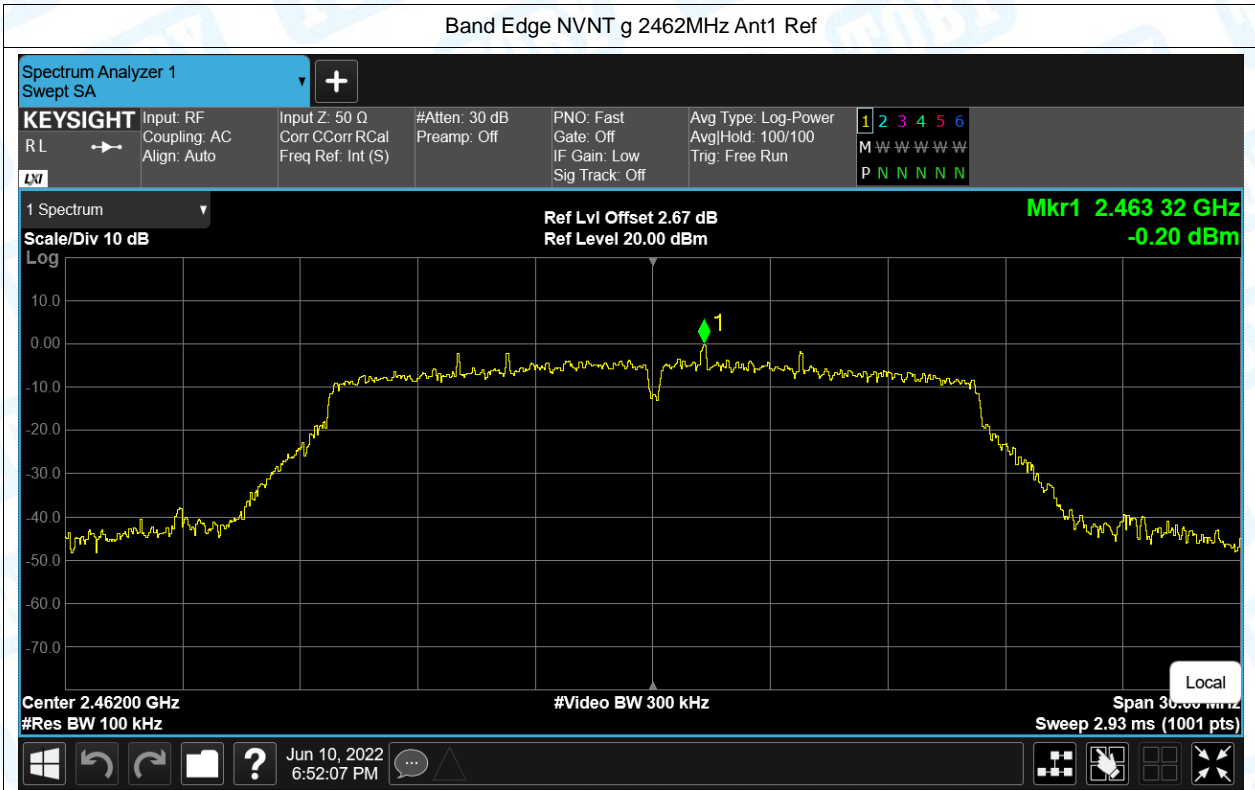




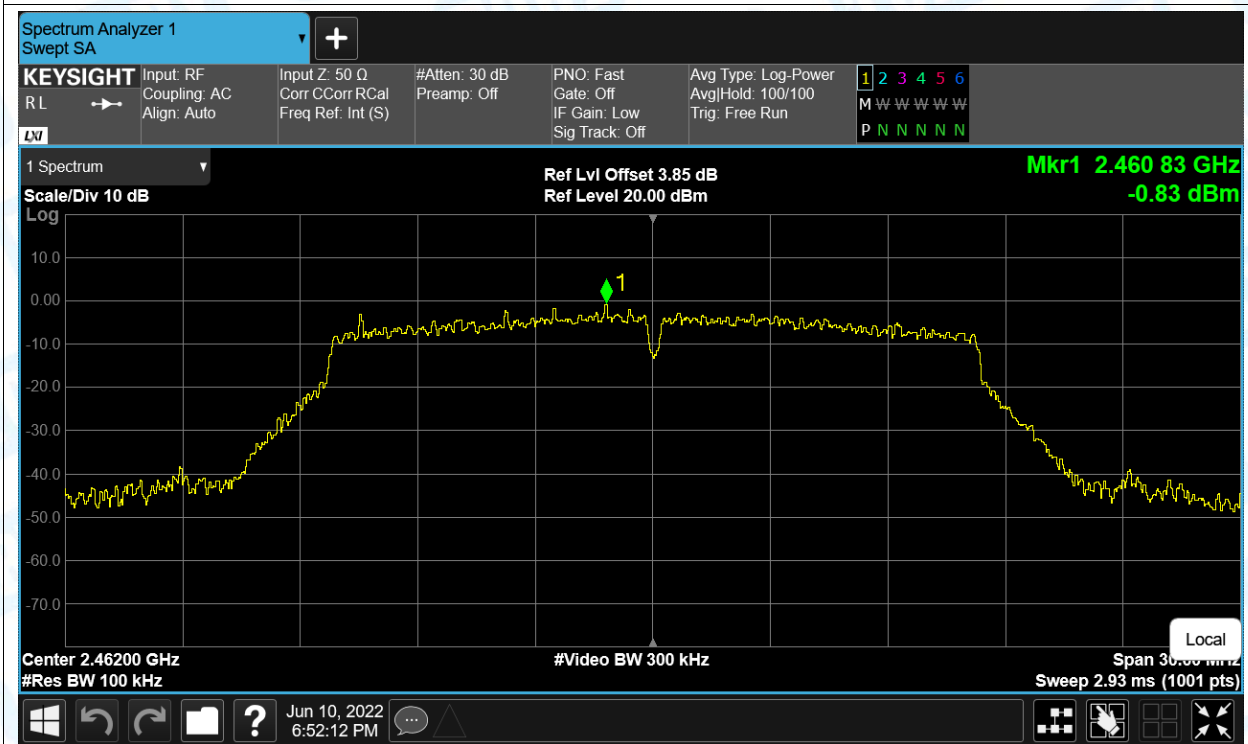




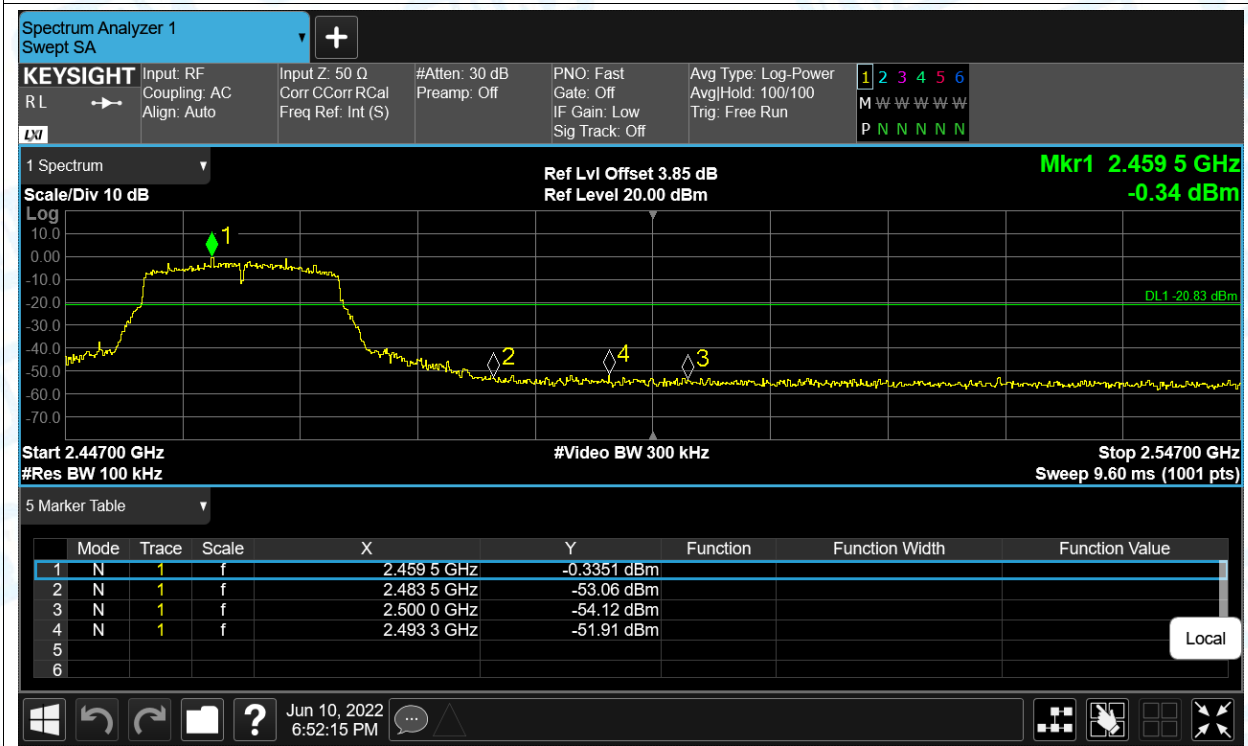


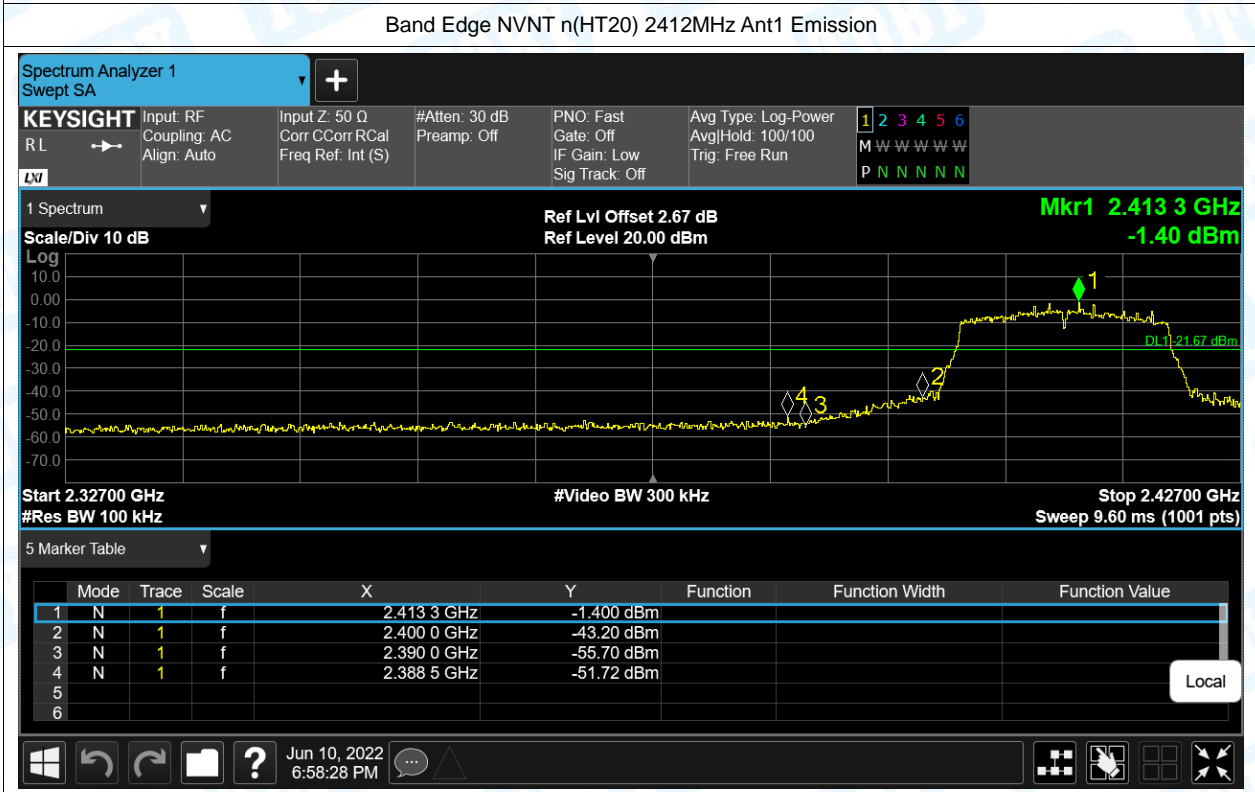
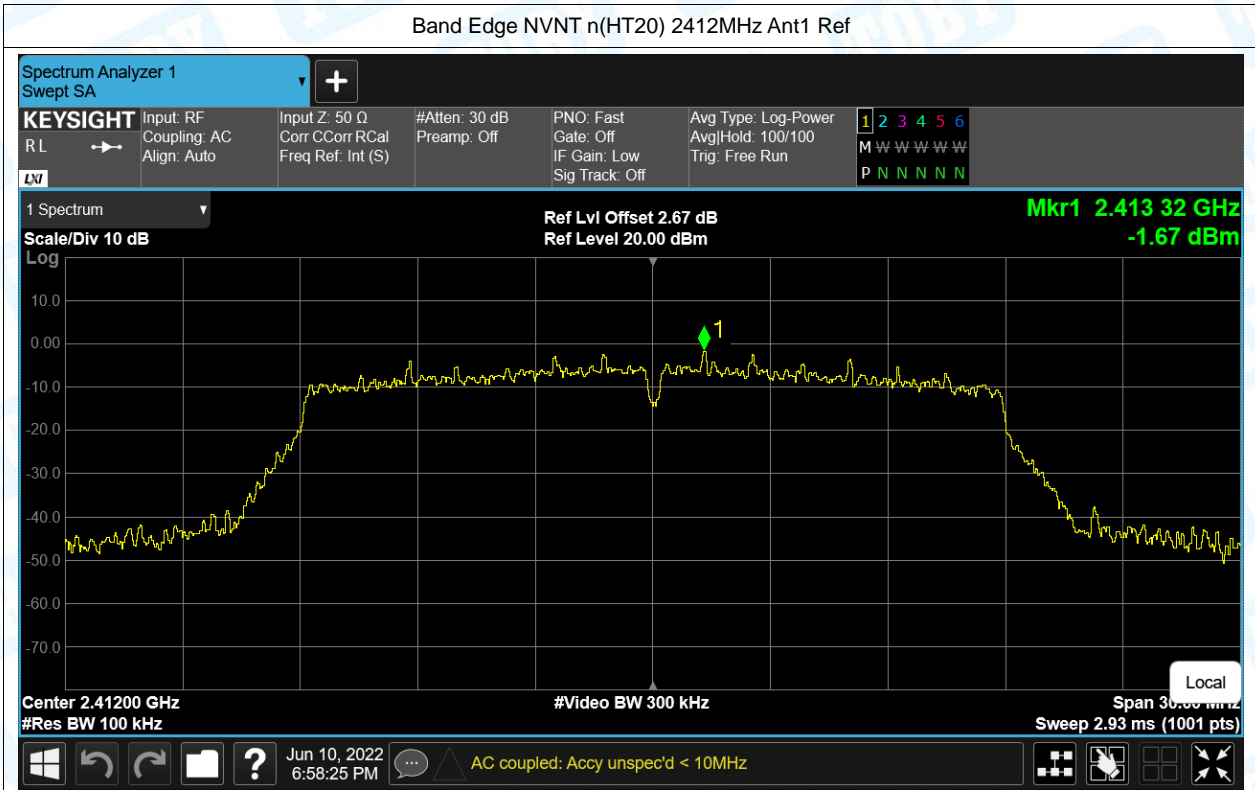


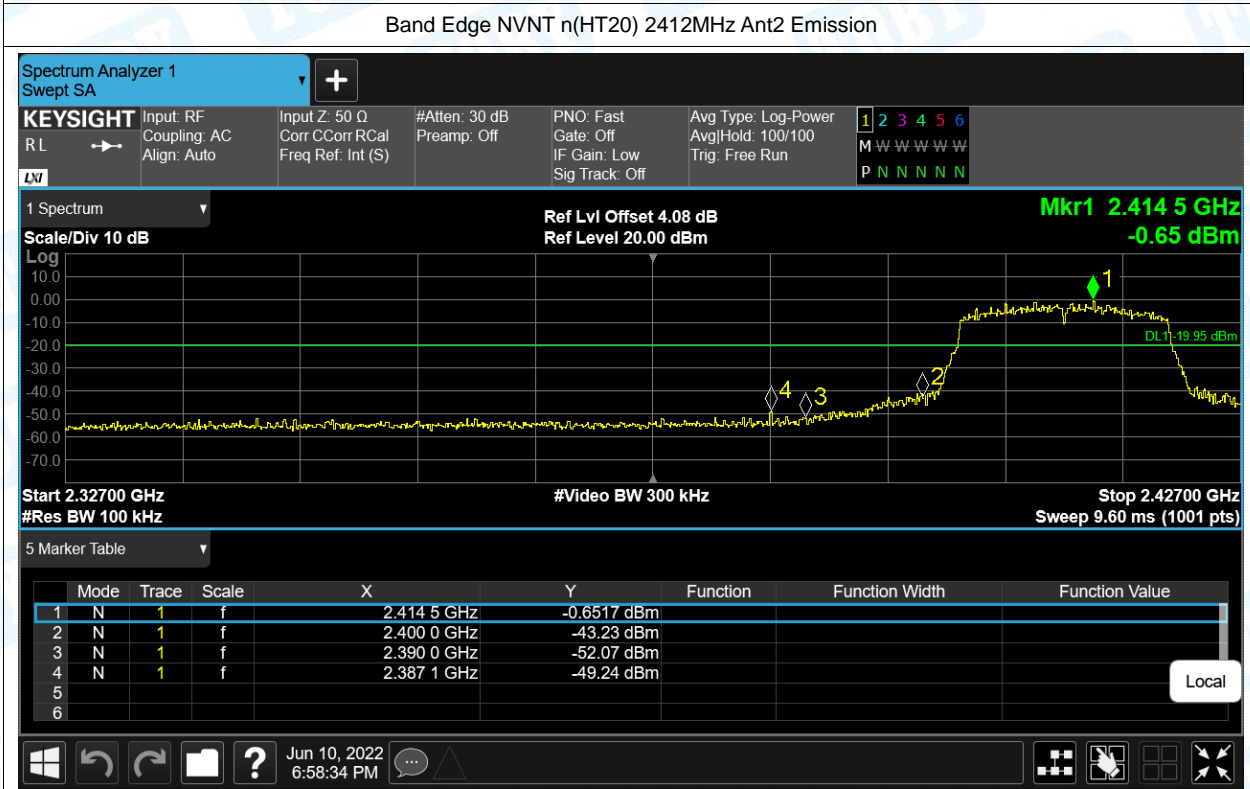
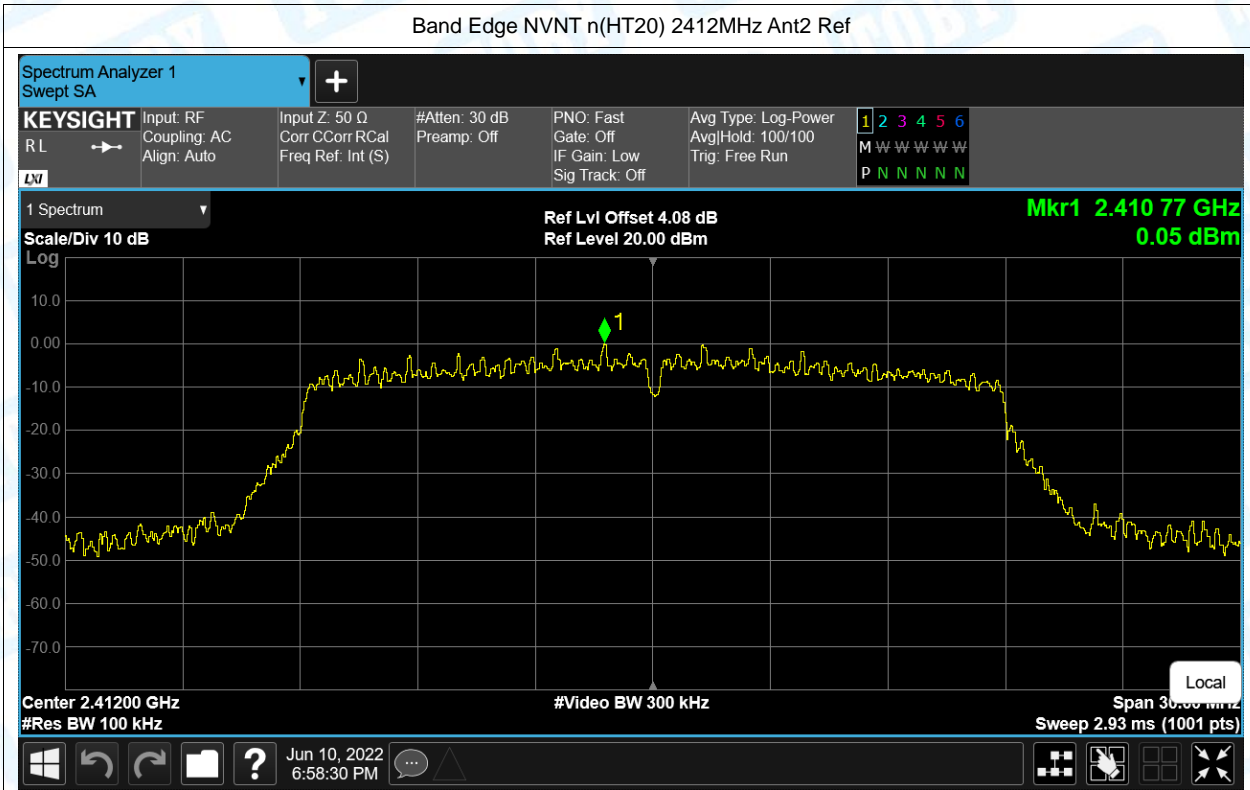
Band Edge NVNT g 2462MHz Ant2 Ref

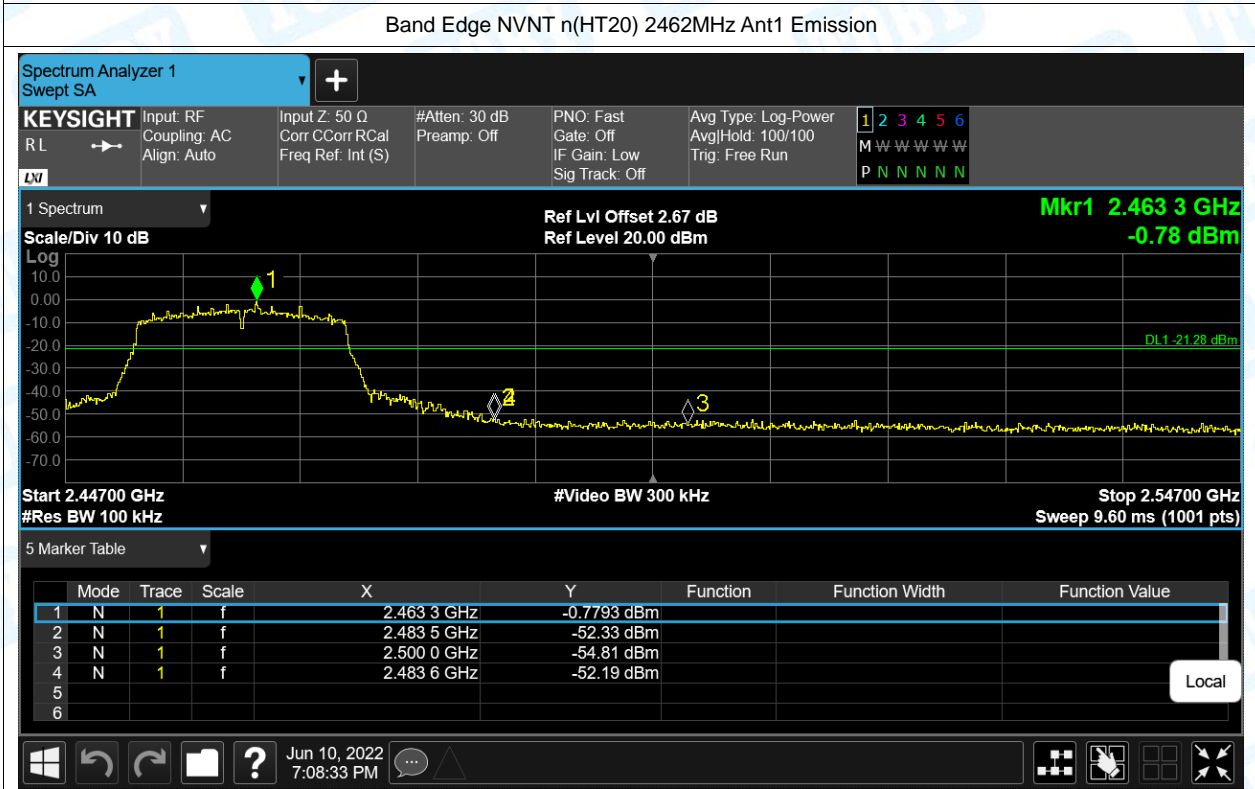
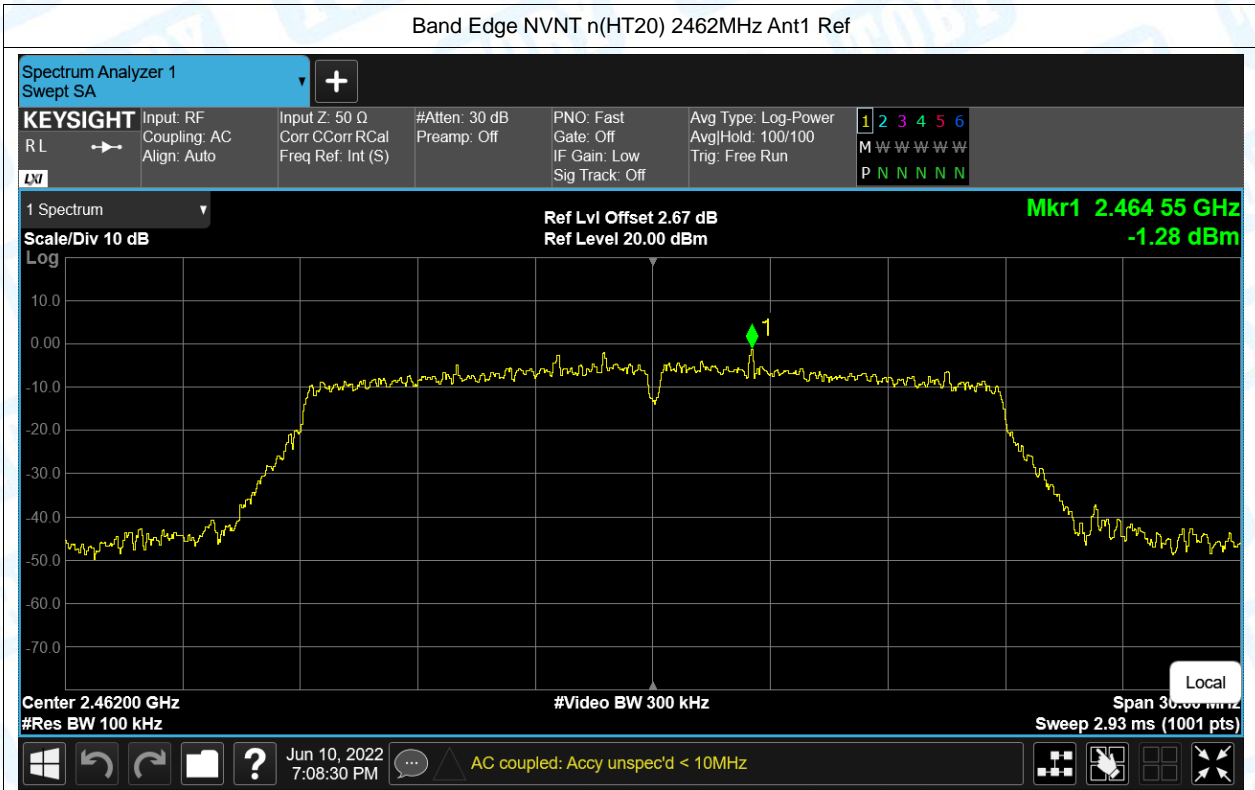


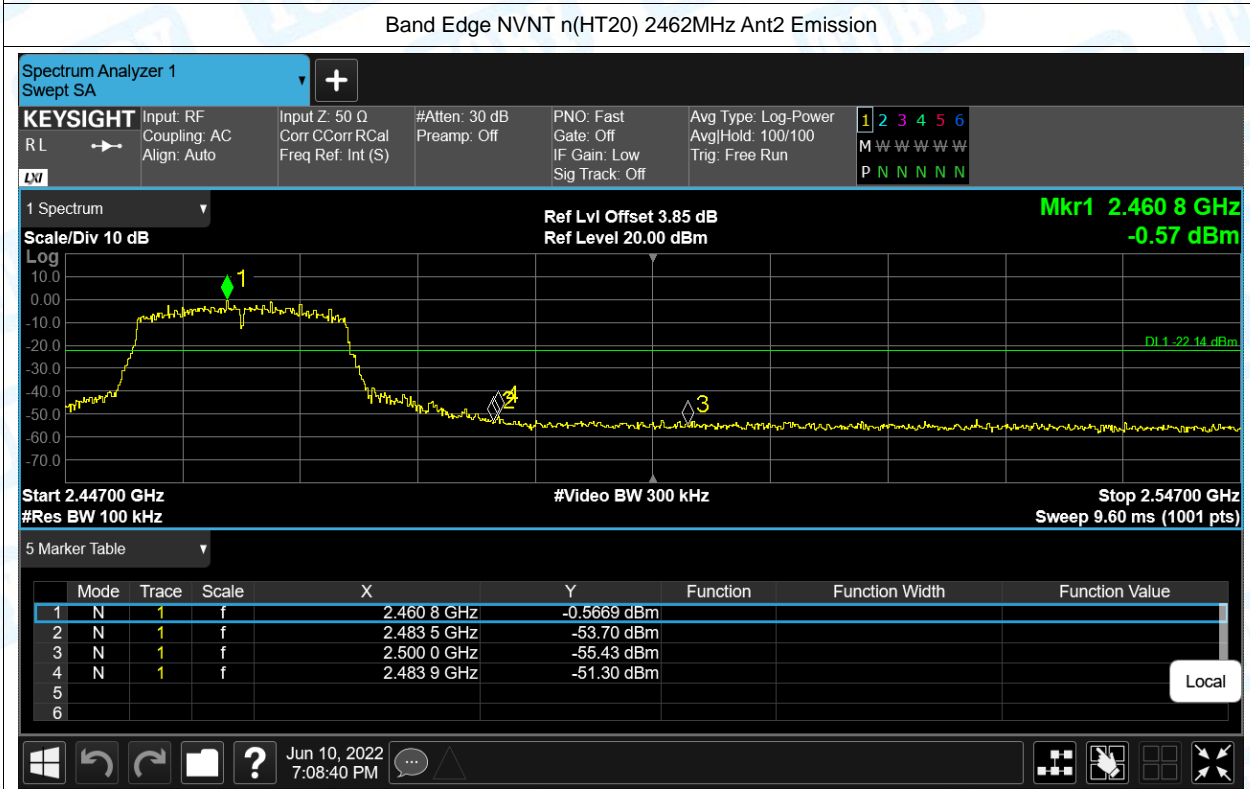
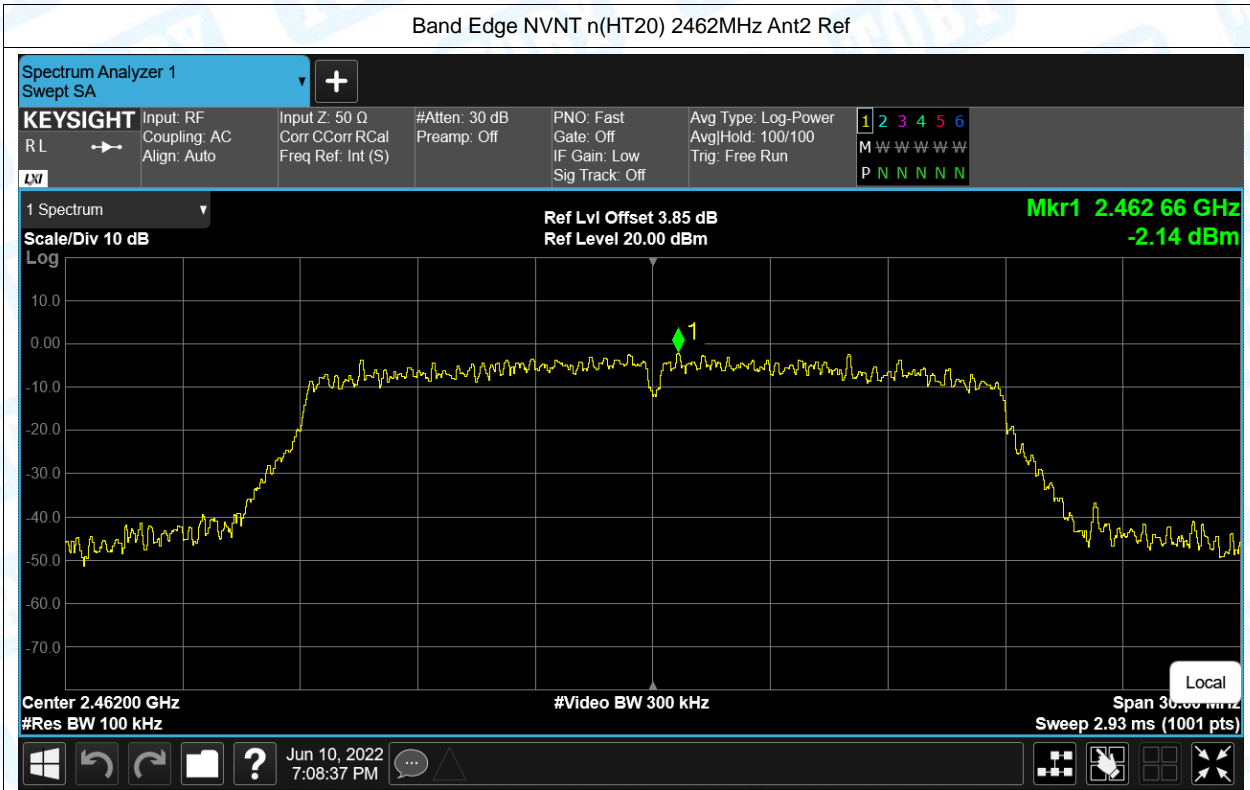
Band Edge NVNT g 2462MHz Ant2 Emission

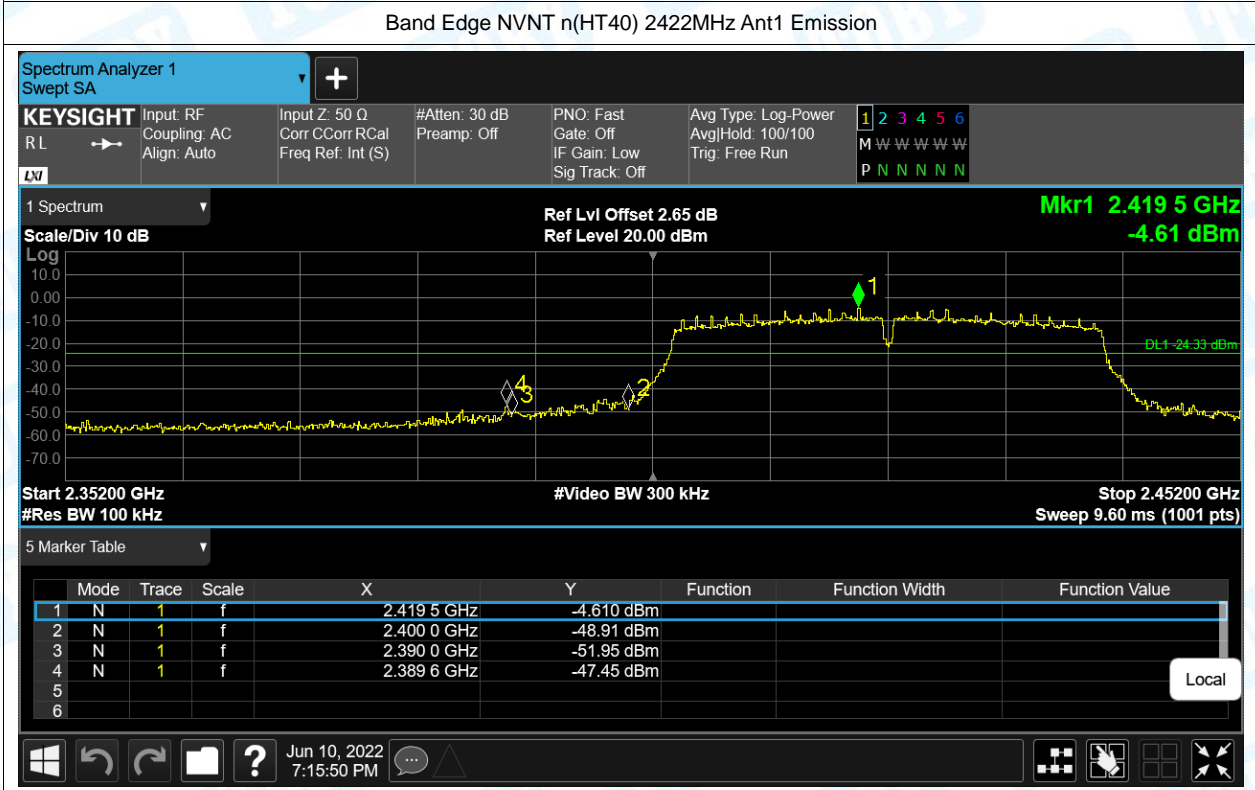
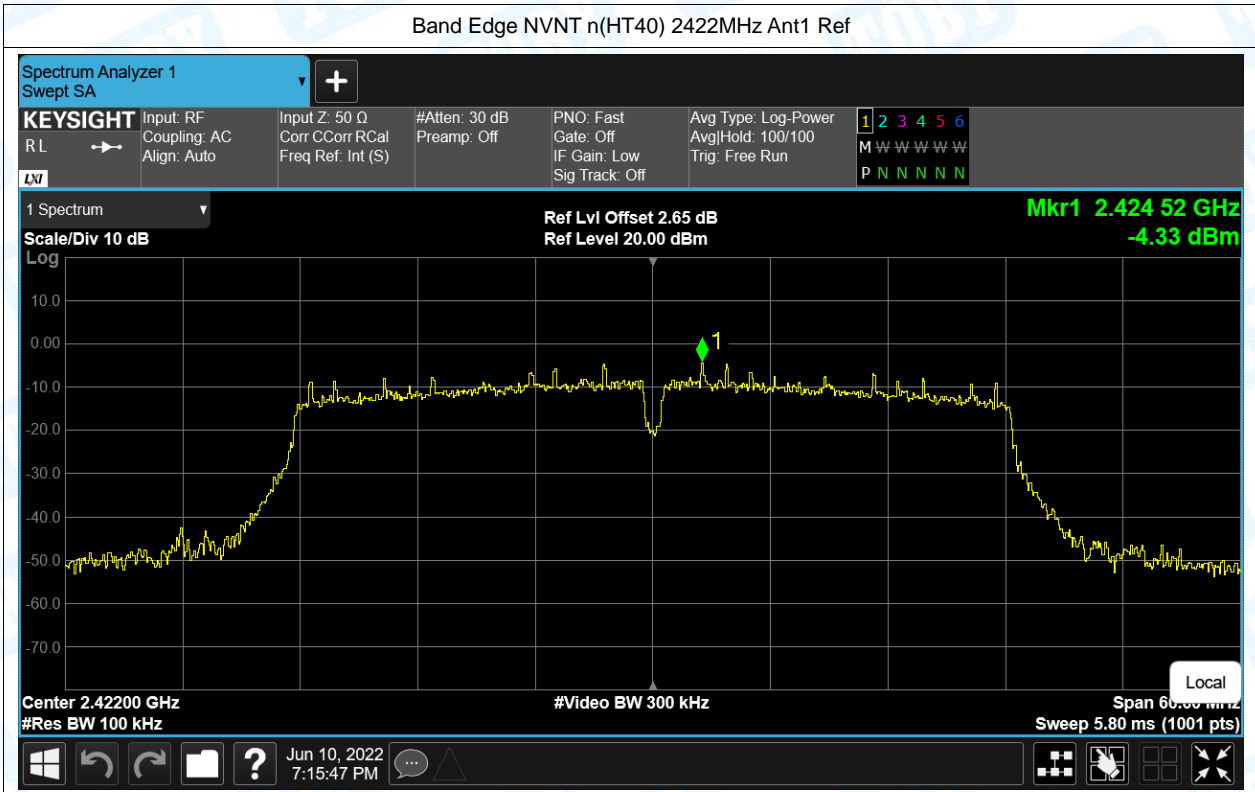


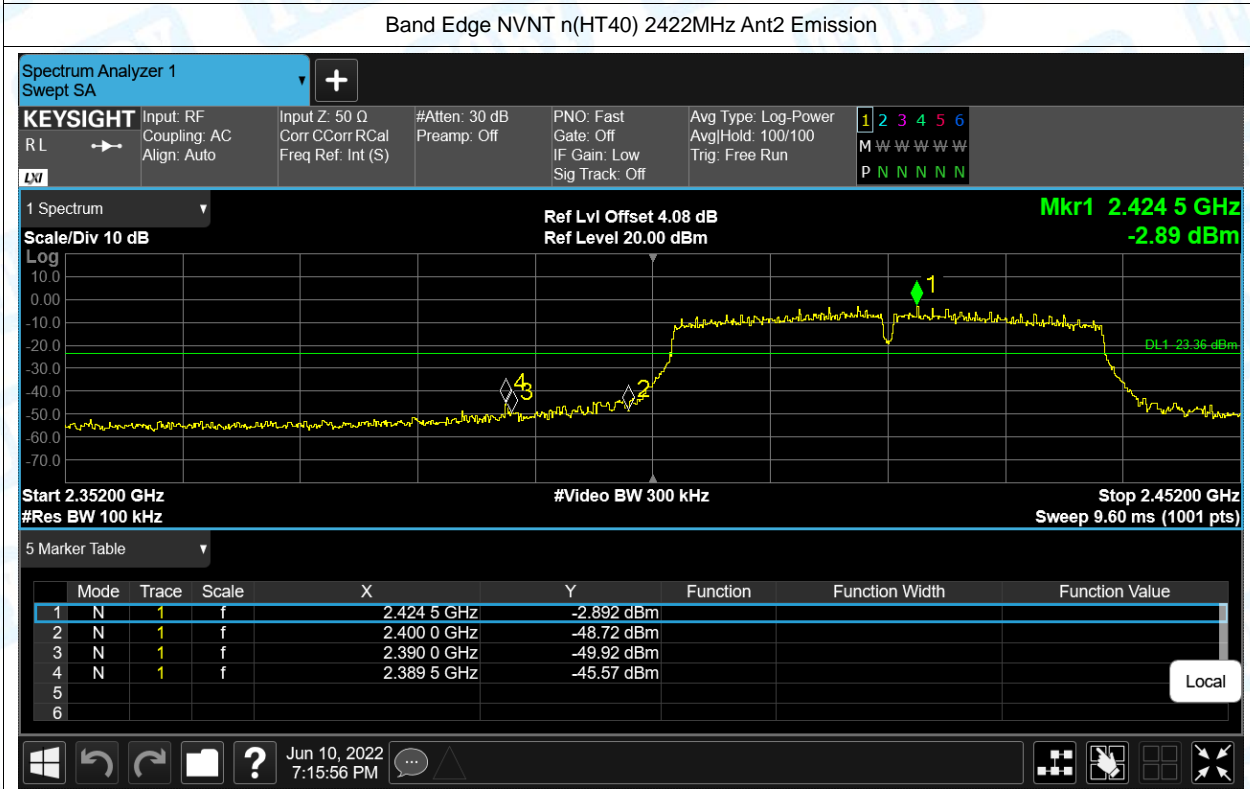
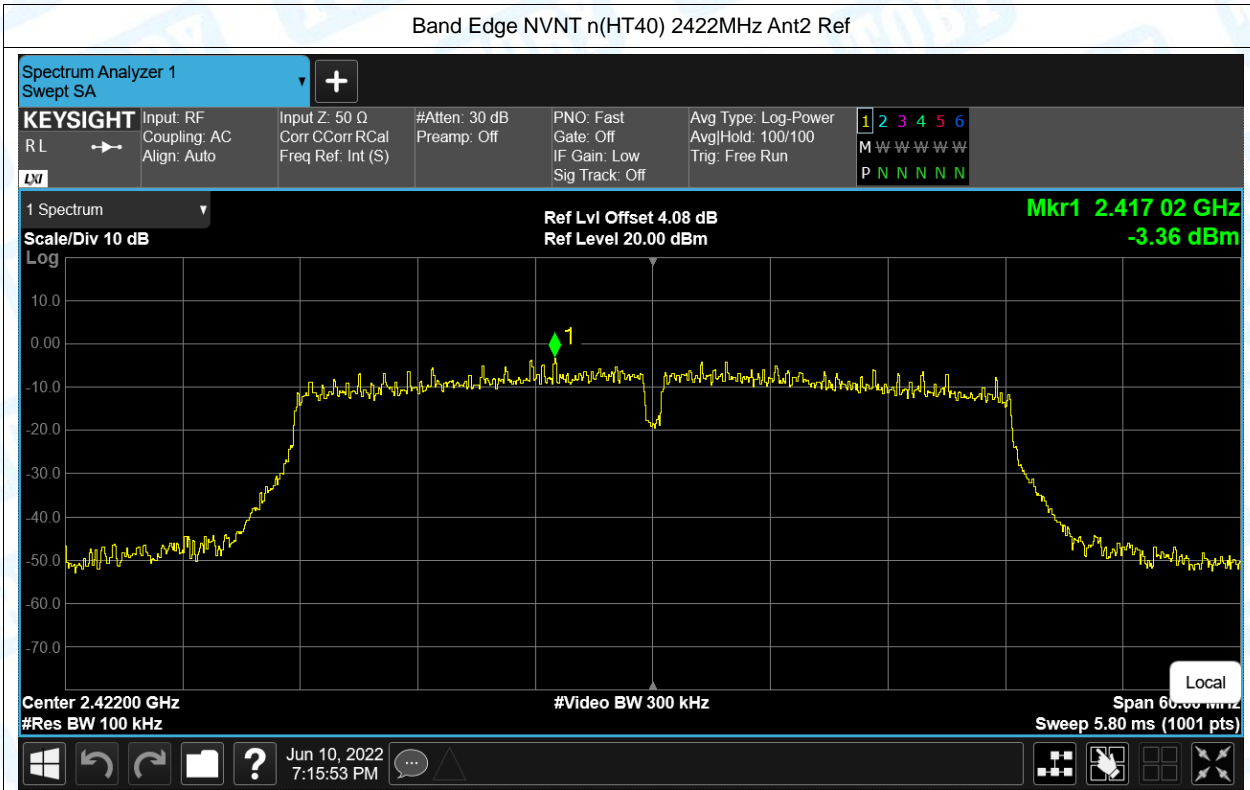


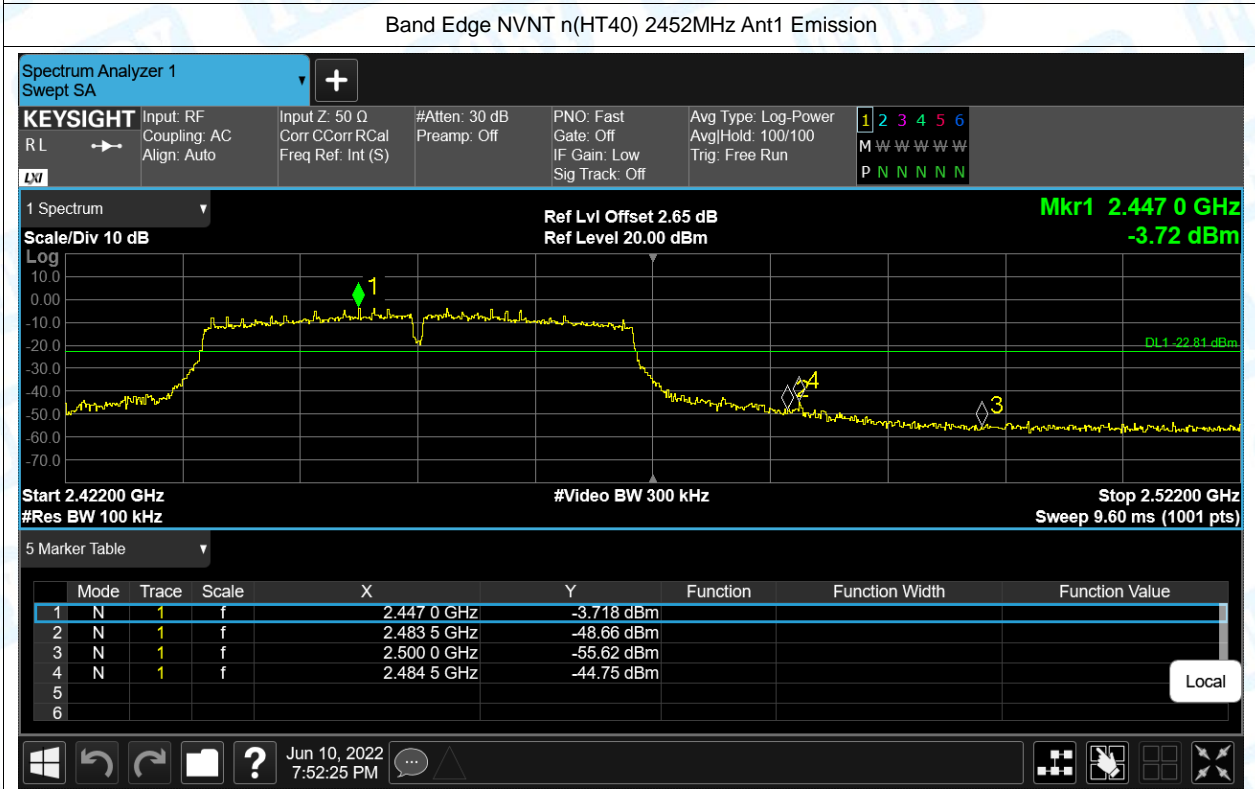
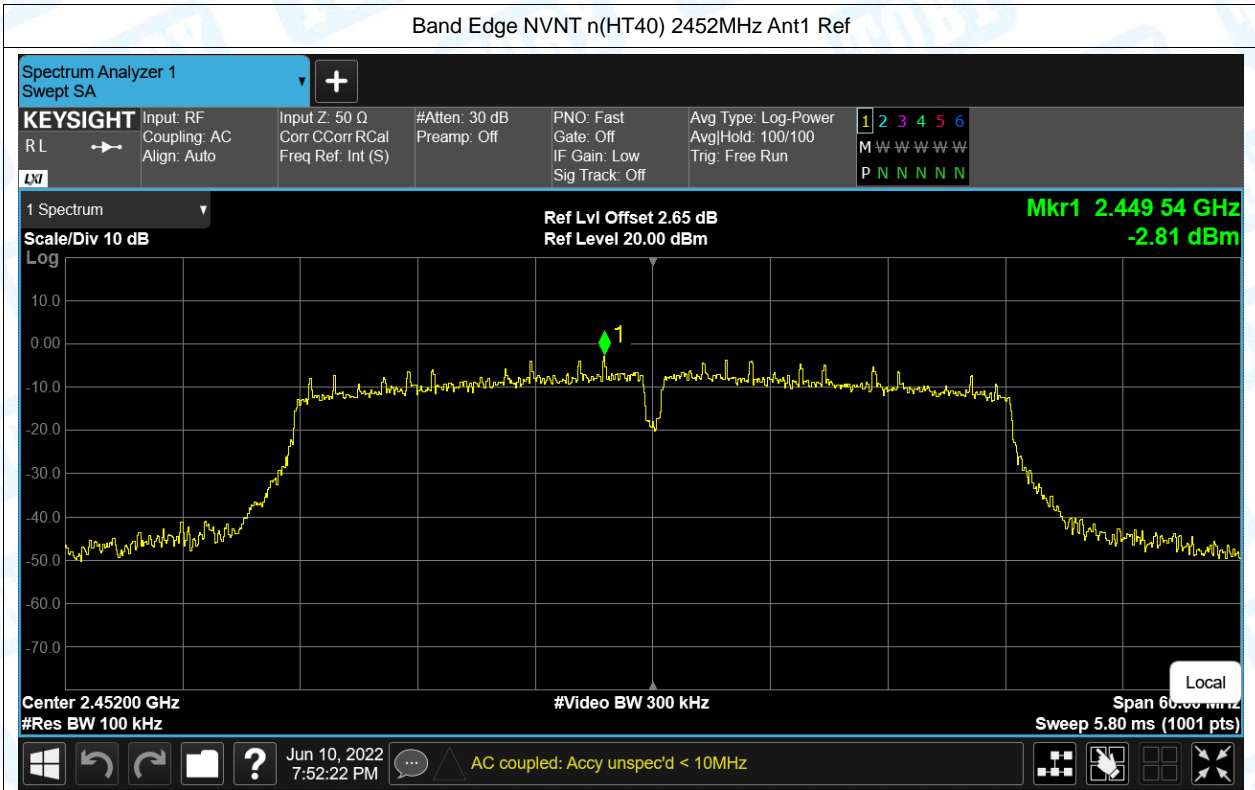




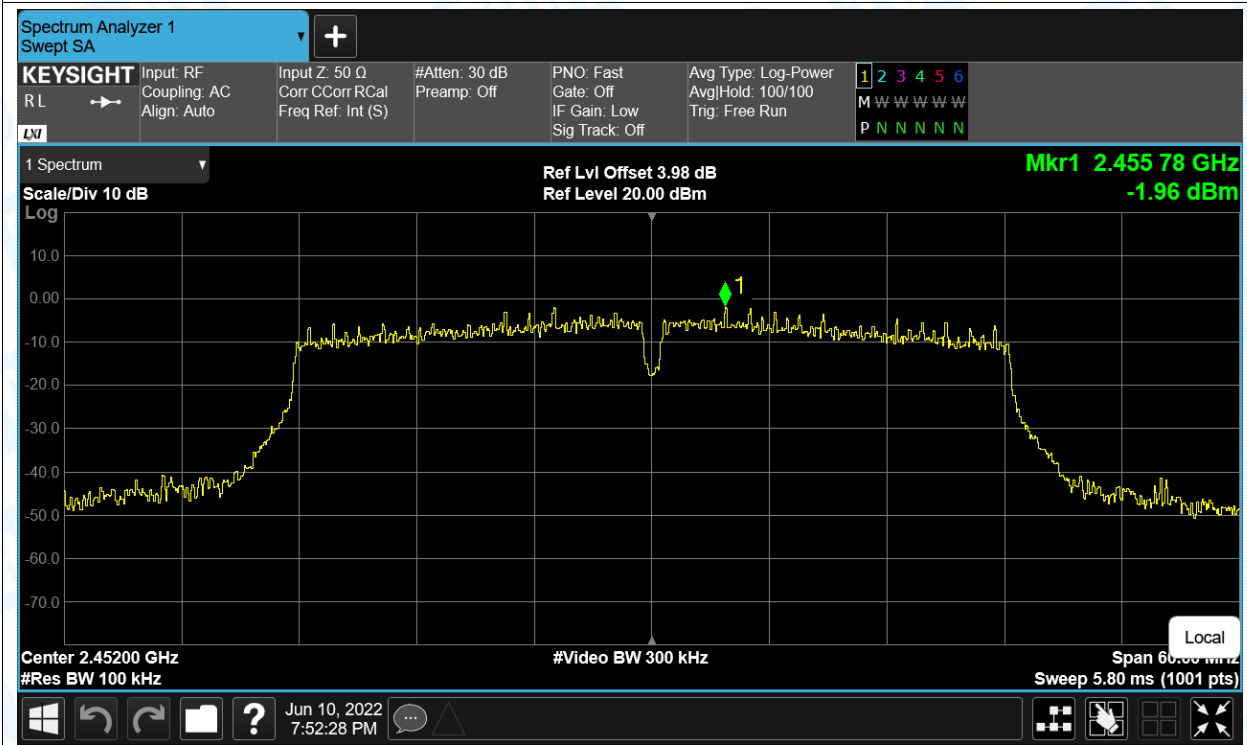




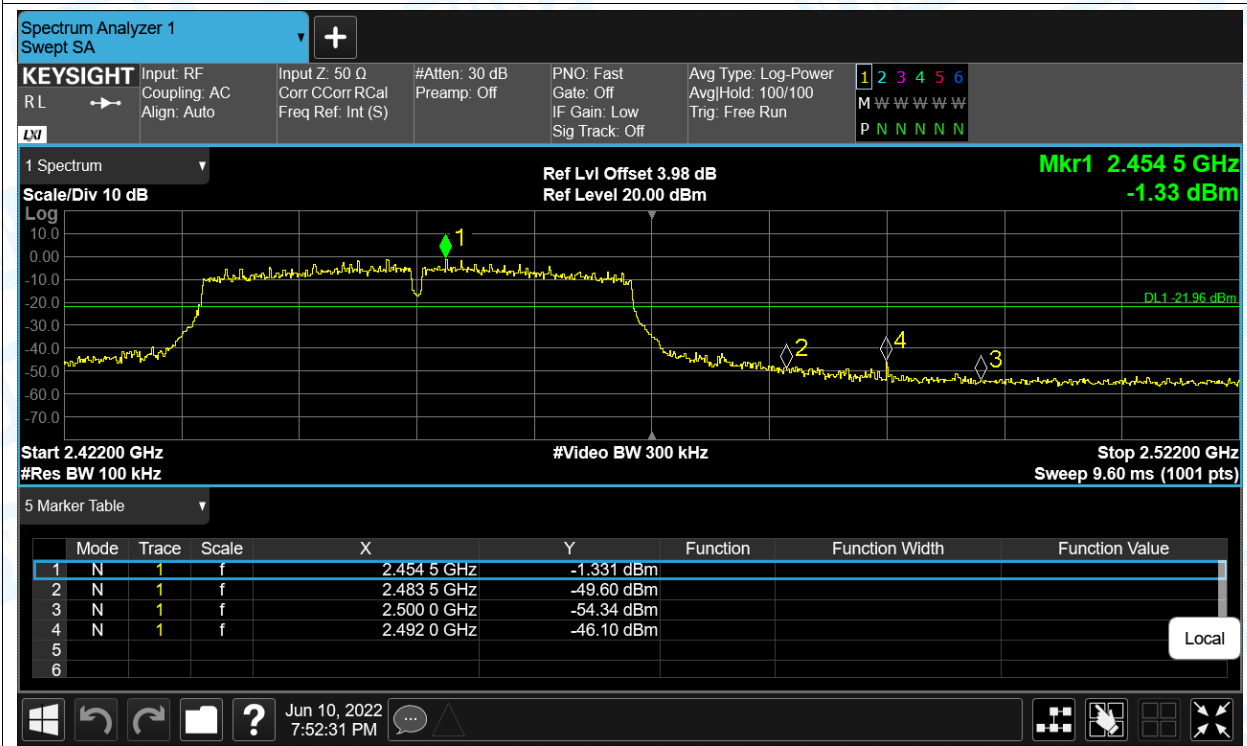




Band Edge NVNT n(HT40) 2452MHz Ant2 Ref



Band Edge NVNT n(HT40) 2452MHz Ant2 Emission

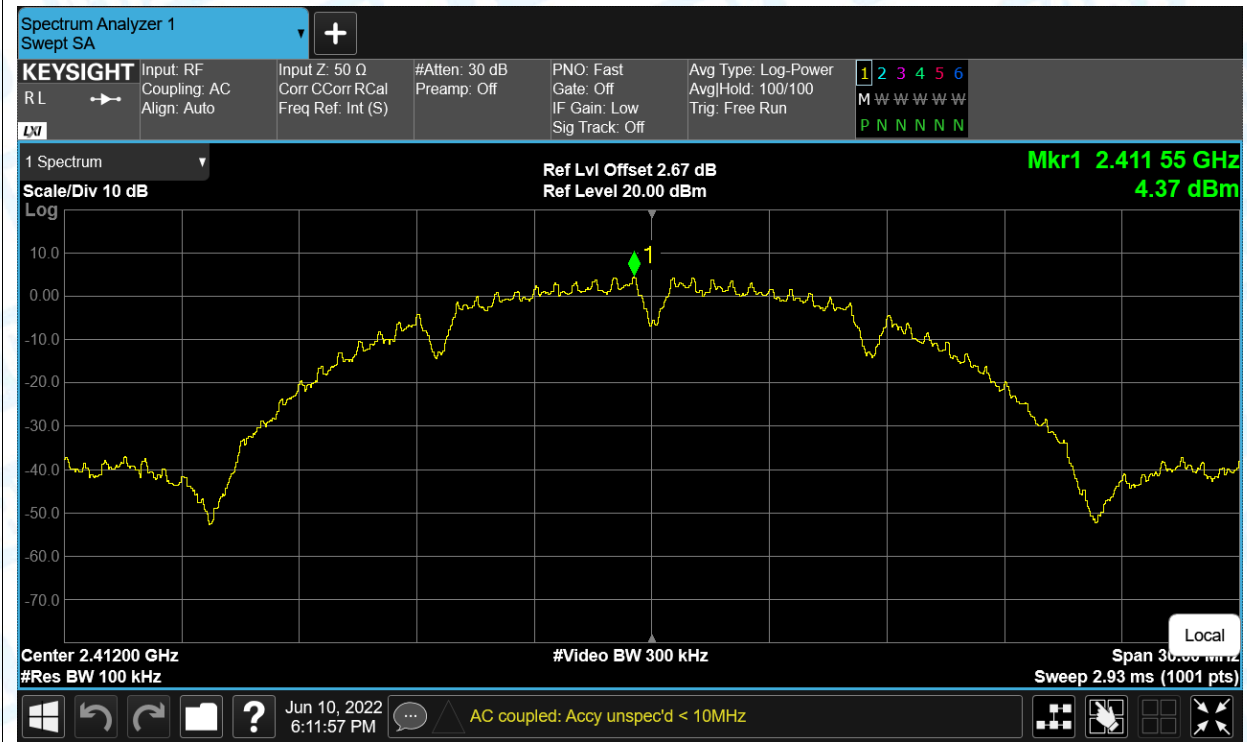


7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-46.06	-20	Pass
NVNT	b	2412	Ant2	-45.27	-20	Pass
NVNT	b	2437	Ant1	-45.73	-20	Pass
NVNT	b	2437	Ant2	-44.83	-20	Pass
NVNT	b	2462	Ant1	-46.45	-20	Pass
NVNT	b	2462	Ant2	-44.65	-20	Pass
NVNT	g	2412	Ant1	-41.17	-20	Pass
NVNT	g	2412	Ant2	-41.78	-20	Pass
NVNT	g	2437	Ant1	-40.62	-20	Pass
NVNT	g	2437	Ant2	-39.69	-20	Pass
NVNT	g	2462	Ant1	-42.54	-20	Pass
NVNT	g	2462	Ant2	-37.17	-20	Pass
NVNT	n(HT20)	2412	Ant1	-41.29	-20	Pass
NVNT	n(HT20)	2412	Ant2	-37.91	-20	Pass
NVNT	n(HT20)	2437	Ant1	-39.74	-20	Pass
NVNT	n(HT20)	2437	Ant2	-36.22	-20	Pass
NVNT	n(HT20)	2462	Ant1	-38.82	-20	Pass
NVNT	n(HT20)	2462	Ant2	-37.17	-20	Pass
NVNT	n(HT40)	2422	Ant1	-36.49	-20	Pass
NVNT	n(HT40)	2422	Ant2	-34.18	-20	Pass
NVNT	n(HT40)	2437	Ant1	-39.61	-20	Pass
NVNT	n(HT40)	2437	Ant2	-37.62	-20	Pass
NVNT	n(HT40)	2452	Ant1	-39.6	-20	Pass
NVNT	n(HT40)	2452	Ant2	-37.05	-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission

