

RF Test Data for 5G WiFi (Conducted Measurements)

General Description of EUT	
Product Name:	Tablet PC
Test Model:	SCORE51X
Sample ID:	RW-C-202211-0239-1-2#
Environmental Conditions	
Temperature:	23.8°C
Relative Humidity:	48%
Test Voltage:	DC 3.7V
Test Engineer:	Zhu Dian Yuan
Note: For a more detailed features description, please refer to the report TBR-C-202211-0239-13	

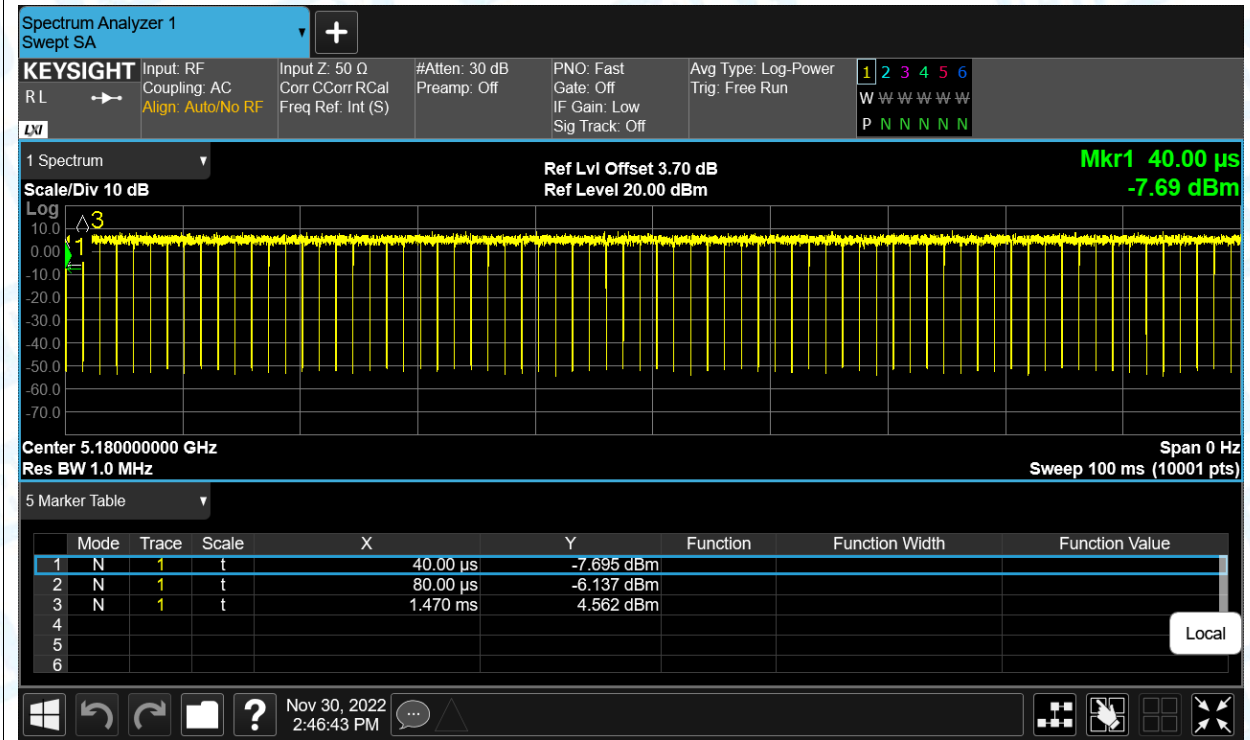
1. Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.2	0.12	0.72
NVNT	a	5200	Ant1	97.2	0.12	0.72
NVNT	a	5240	Ant1	97.2	0.12	0.72
NVNT	ac(VHT20)	5180	Ant1	97.04	0.13	0.76
NVNT	ac(VHT20)	5200	Ant1	97.04	0.13	0.76
NVNT	ac(VHT20)	5240	Ant1	97.04	0.13	0.76
NVNT	ac(VHT40)	5190	Ant1	94.29	0.26	1.52
NVNT	ac(VHT40)	5230	Ant1	94.29	0.26	1.52
NVNT	ac(VHT80)	5210	Ant1	89.19	0.5	3.03
NVNT	n(HT20)	5180	Ant1	96.3	0.16	0.77
NVNT	n(HT20)	5200	Ant1	97.04	0.13	0.76
NVNT	n(HT20)	5240	Ant1	97.01	0.13	0.77
NVNT	n(HT40)	5190	Ant1	92.86	0.32	1.54
NVNT	n(HT40)	5230	Ant1	94.2	0.26	1.54

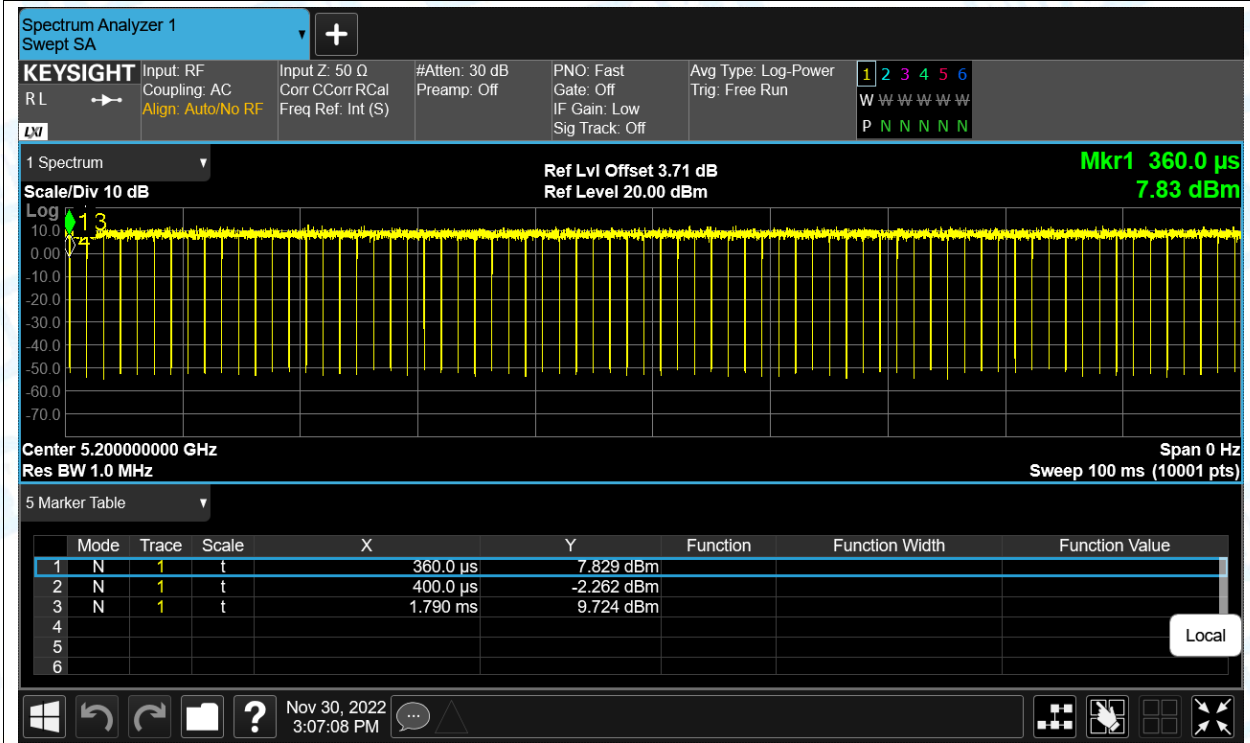
Note: Duty Cycle(%)=ON(ms)/(ON(ms)+OFF(ms))
ON(ms)=Maker3-Maker2
(OFF(ms)+ON(ms))=Maker3-Maker1

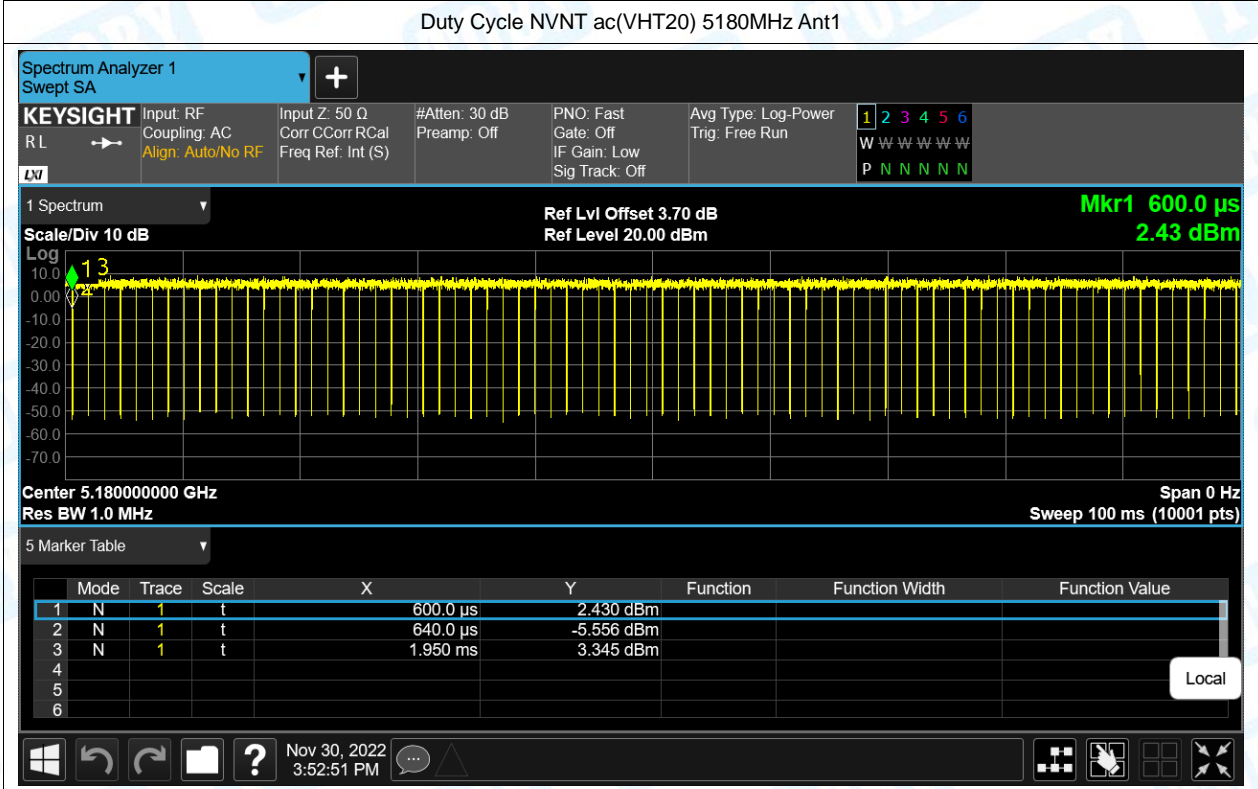
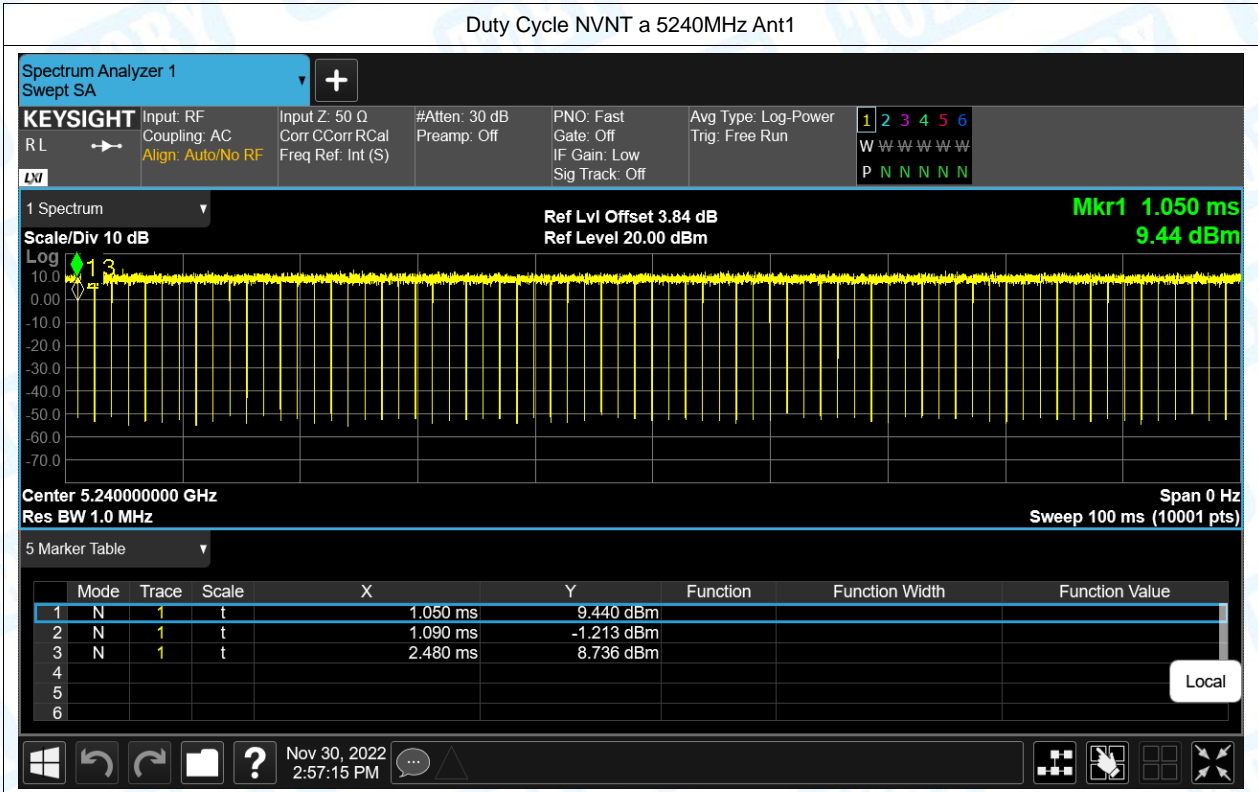
Test Graphs

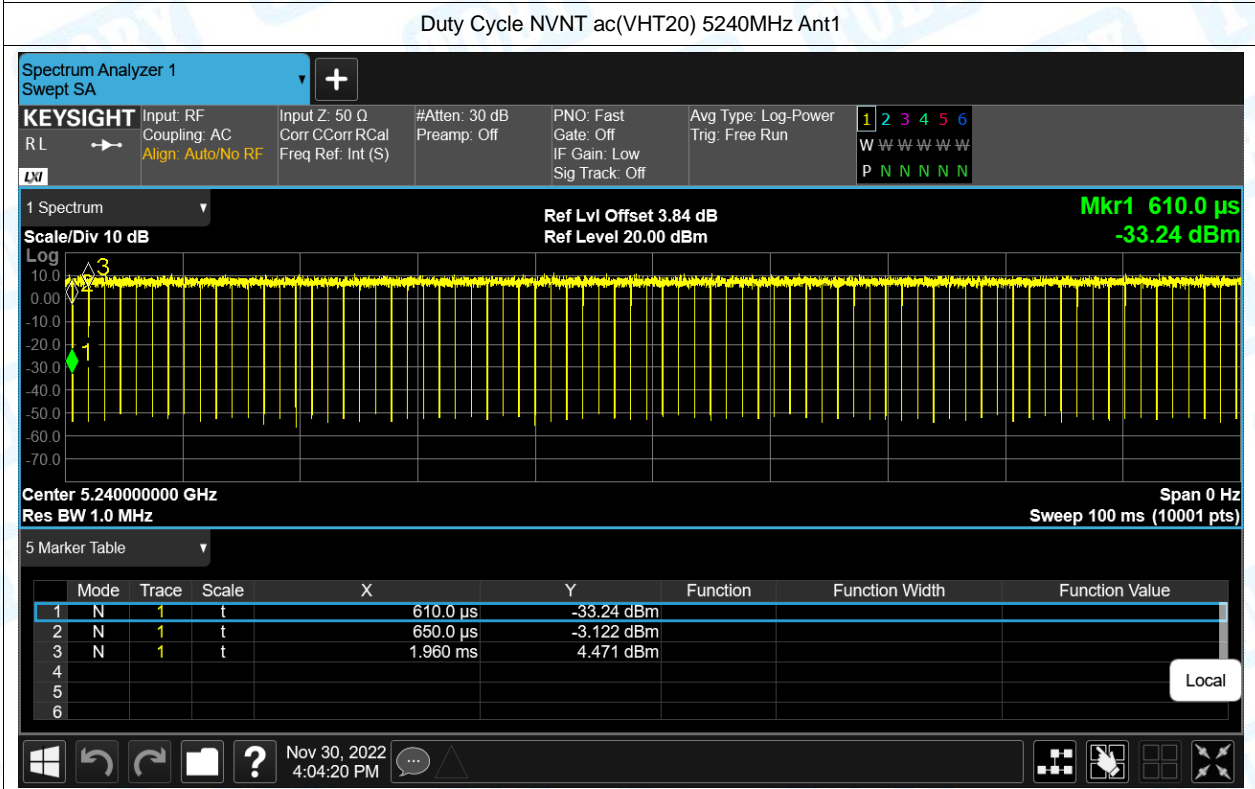
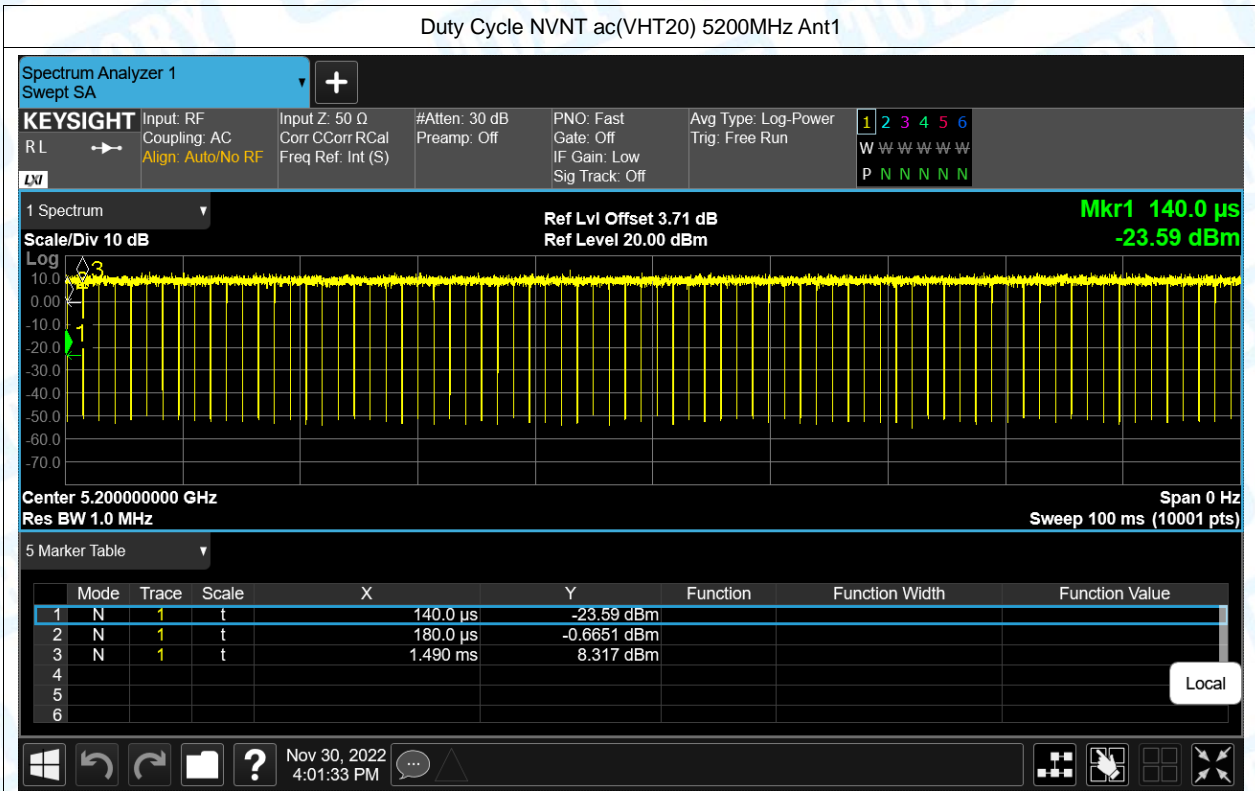
Duty Cycle NVNT a 5180MHz Ant1

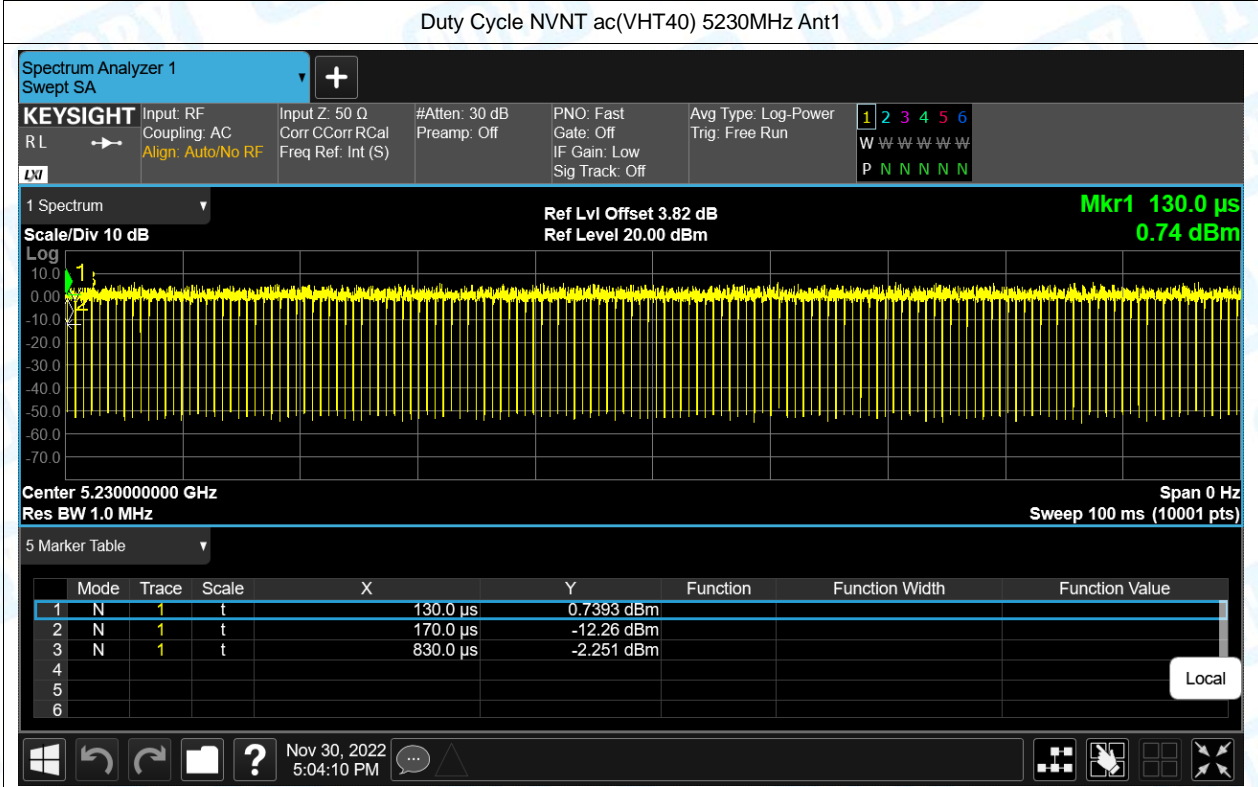
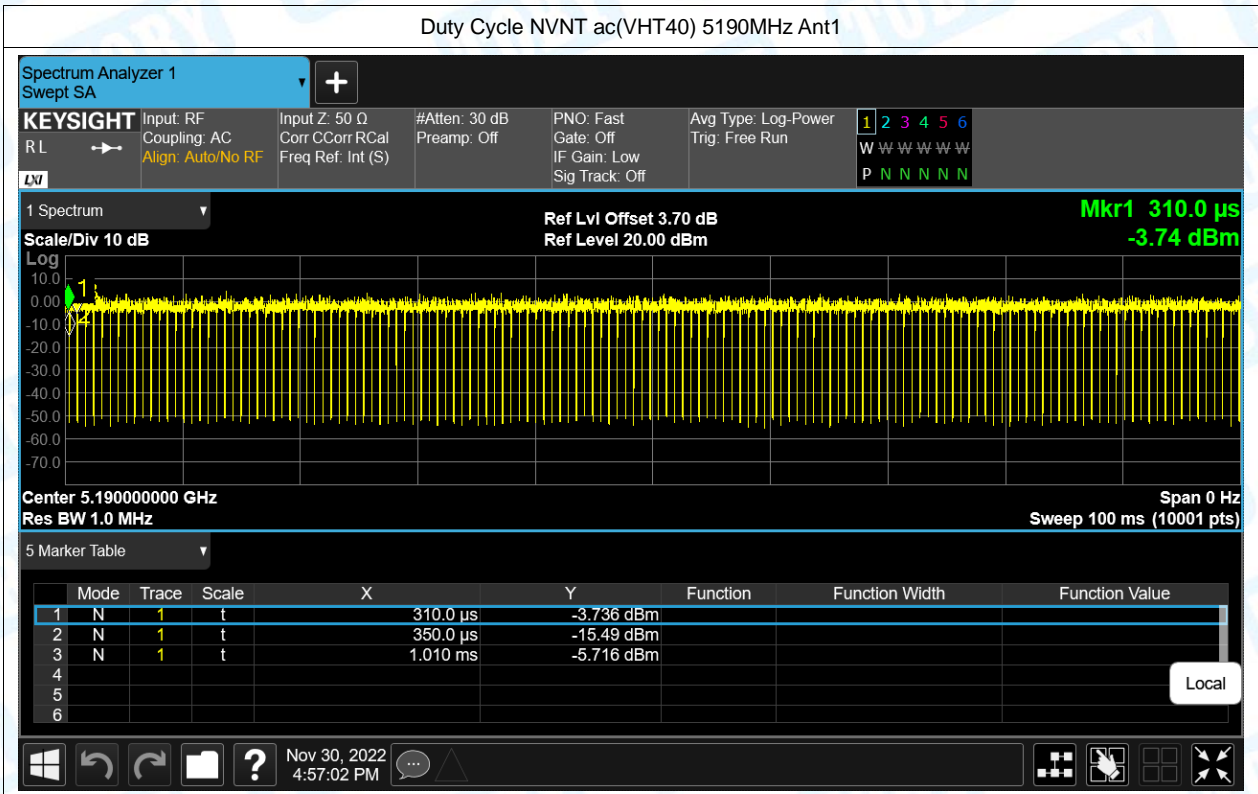


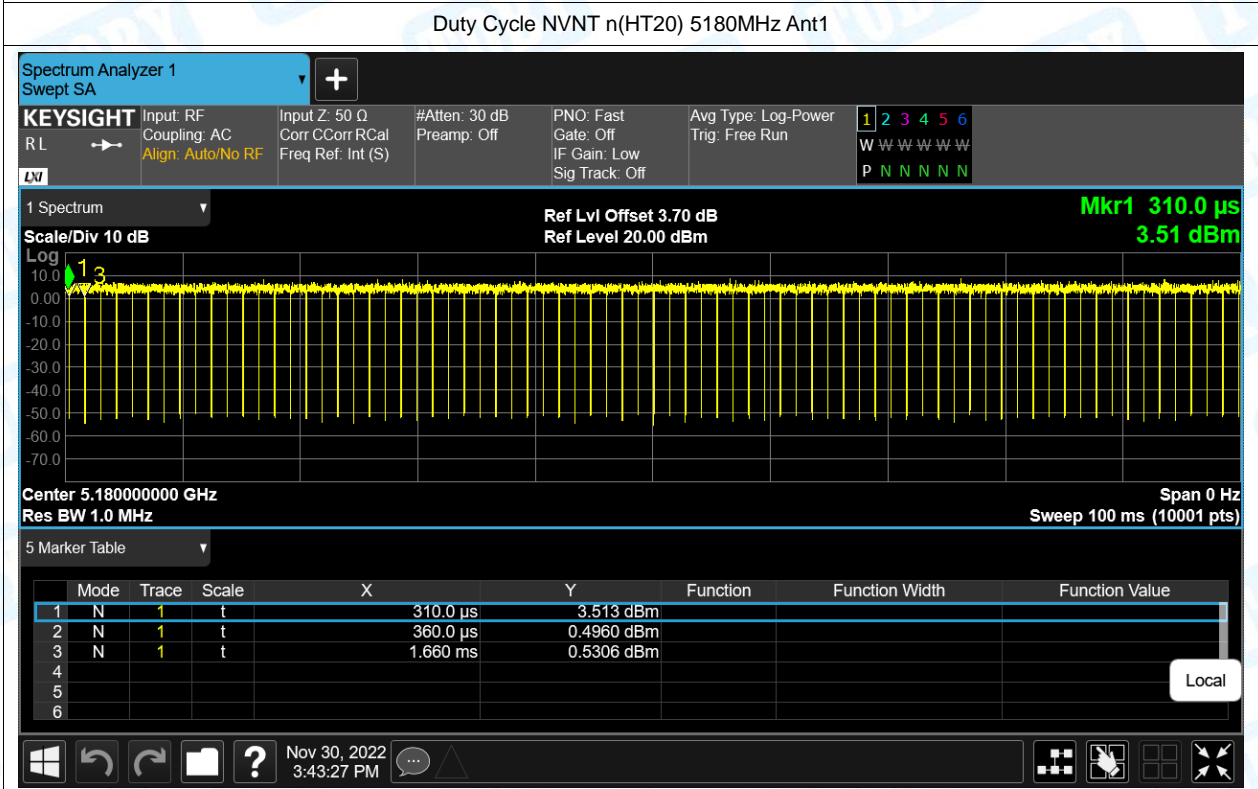
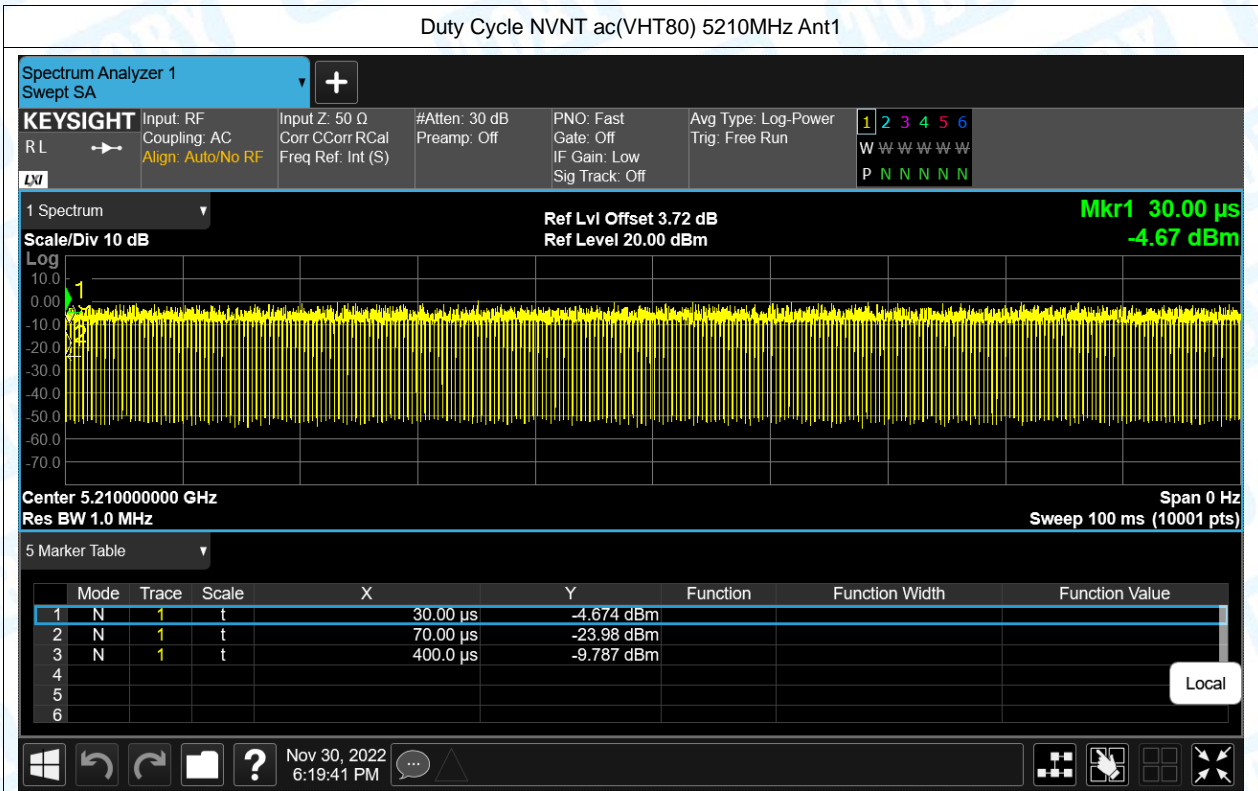
Duty Cycle NVNT a 5200MHz Ant1

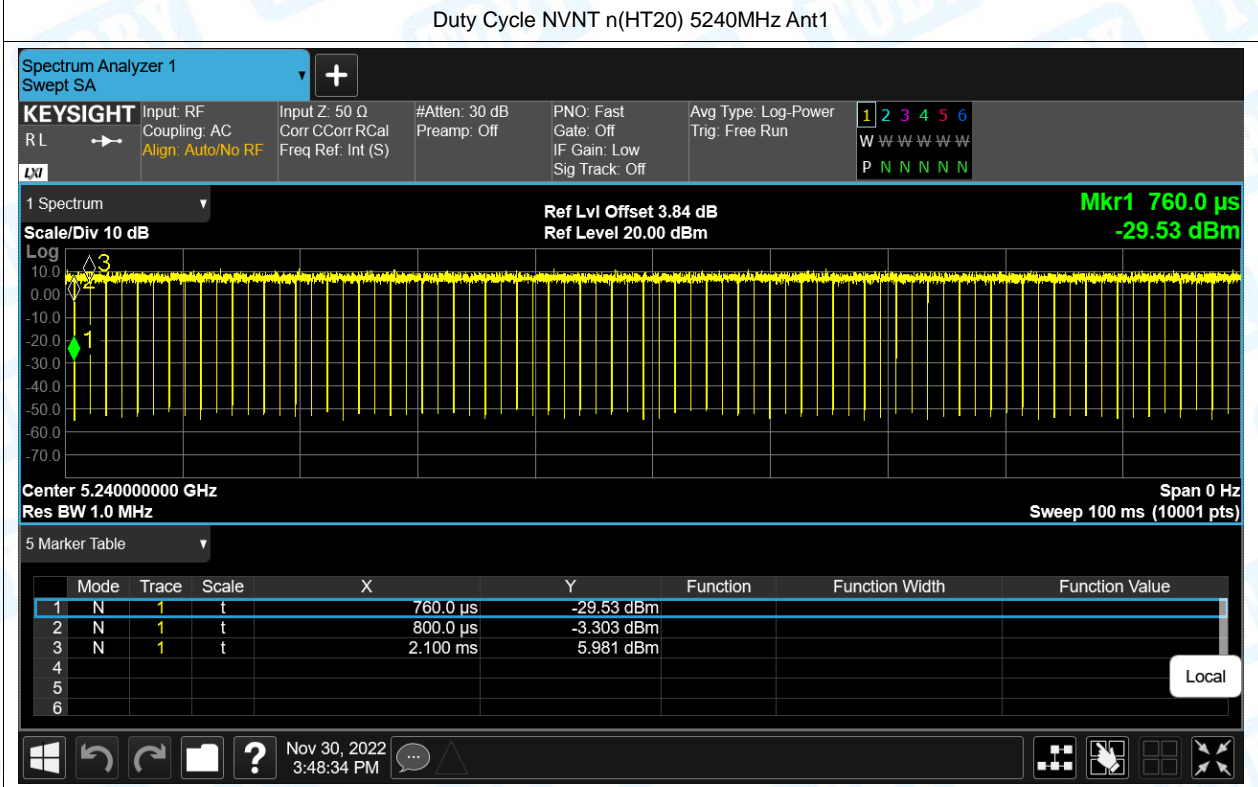
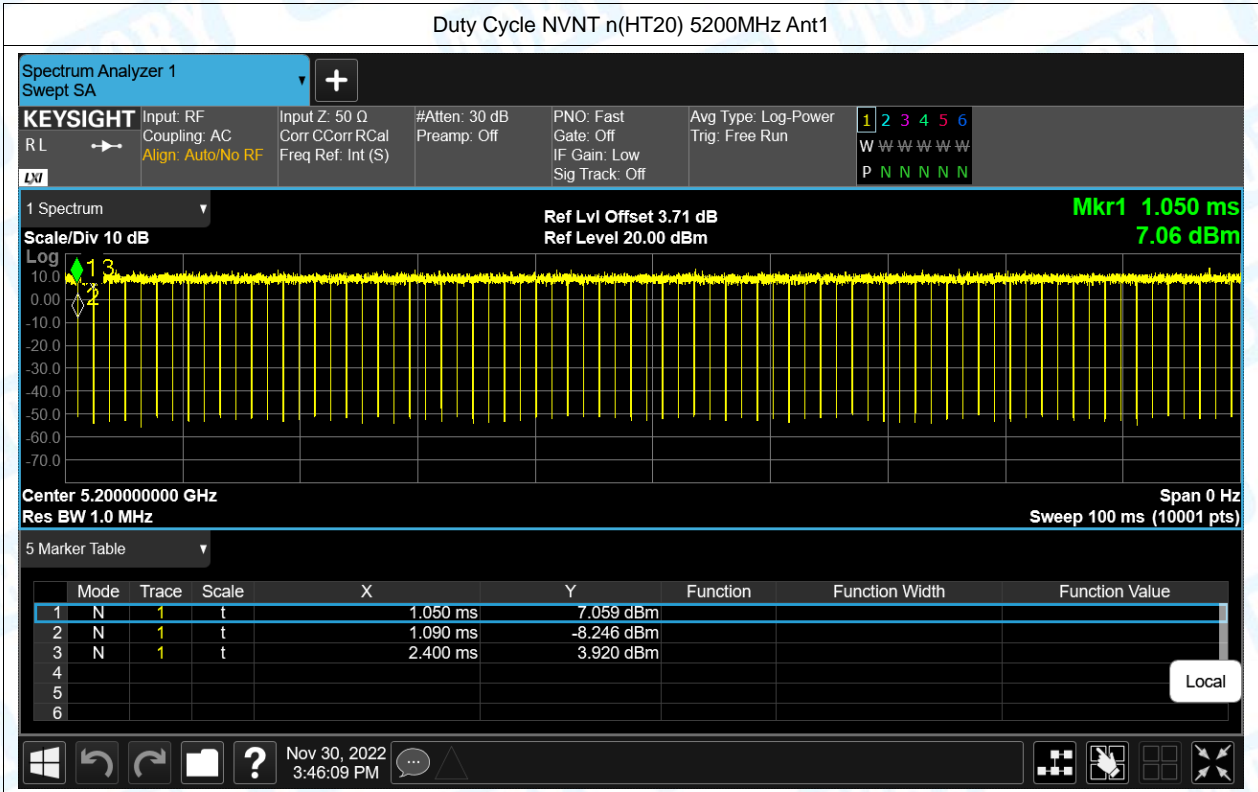


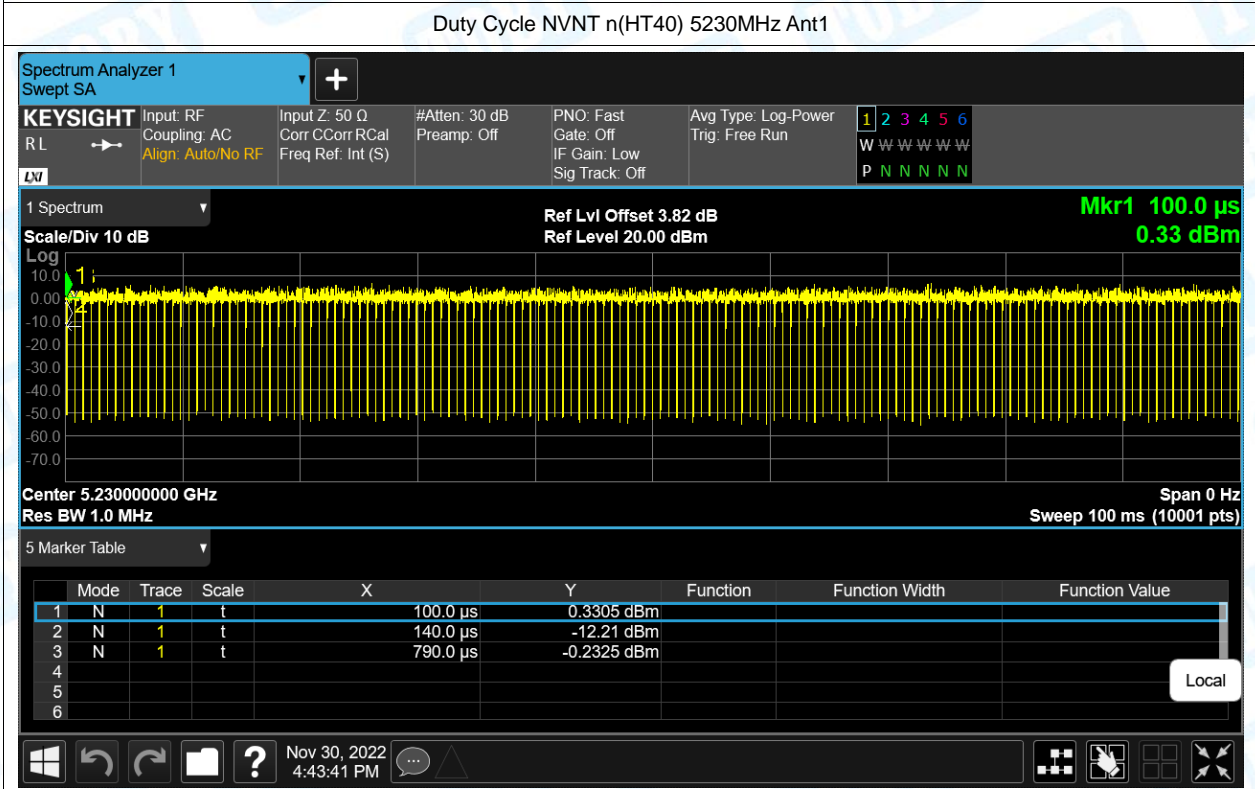
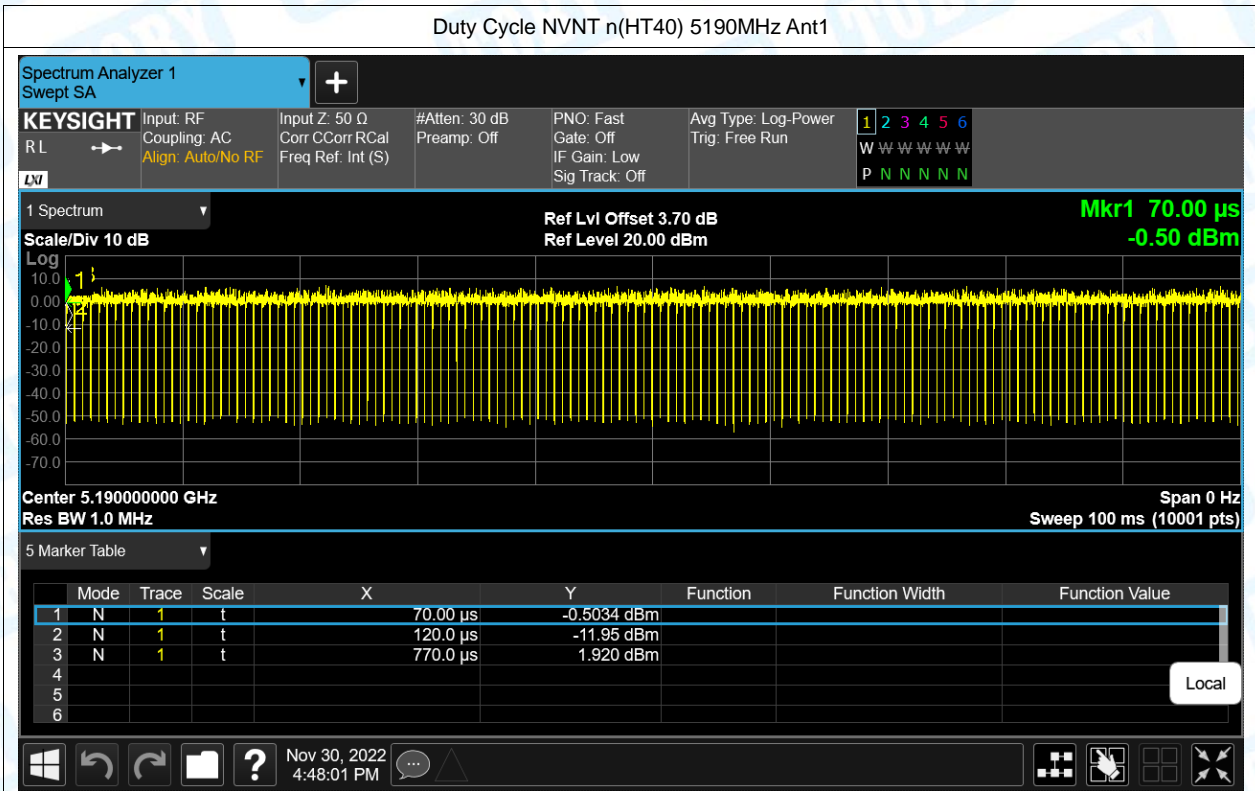












2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.29	24	Pass
NVNT	a	5200	Ant1	14.69	24	Pass
NVNT	a	5240	Ant1	15.42	24	Pass
NVNT	ac(VHT20)	5180	Ant1	11.75	24	Pass
NVNT	ac(VHT20)	5200	Ant1	15.48	24	Pass
NVNT	ac(VHT20)	5240	Ant1	15.27	24	Pass
NVNT	ac(VHT40)	5190	Ant1	10.65	24	Pass
NVNT	ac(VHT40)	5230	Ant1	13.45	24	Pass
NVNT	ac(VHT80)	5210	Ant1	8.91	24	Pass
NVNT	n(HT20)	5180	Ant1	10.72	24	Pass
NVNT	n(HT20)	5200	Ant1	15.49	24	Pass
NVNT	n(HT20)	5240	Ant1	13.75	24	Pass
NVNT	n(HT40)	5190	Ant1	10.24	24	Pass
NVNT	n(HT40)	5230	Ant1	13.43	24	Pass

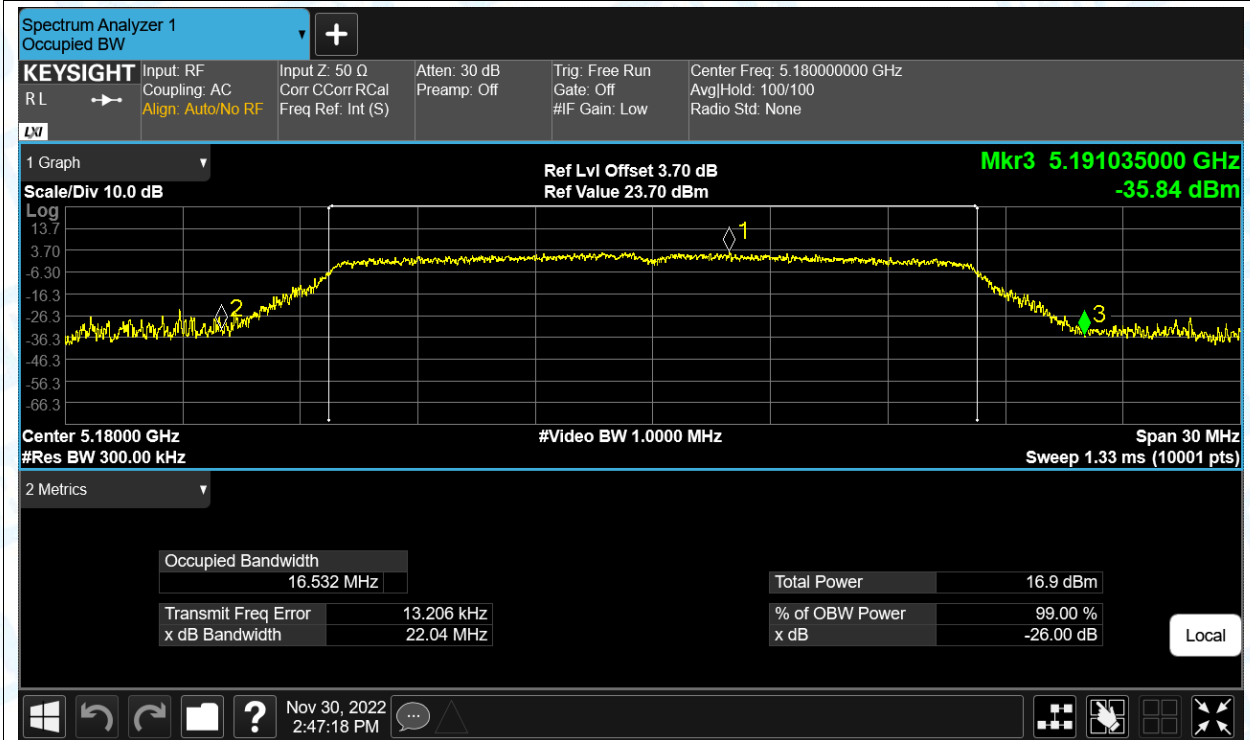
Note: The Duty Cycle Factor and RBW Factor is compensated in the graph.

3. -26dB Bandwidth

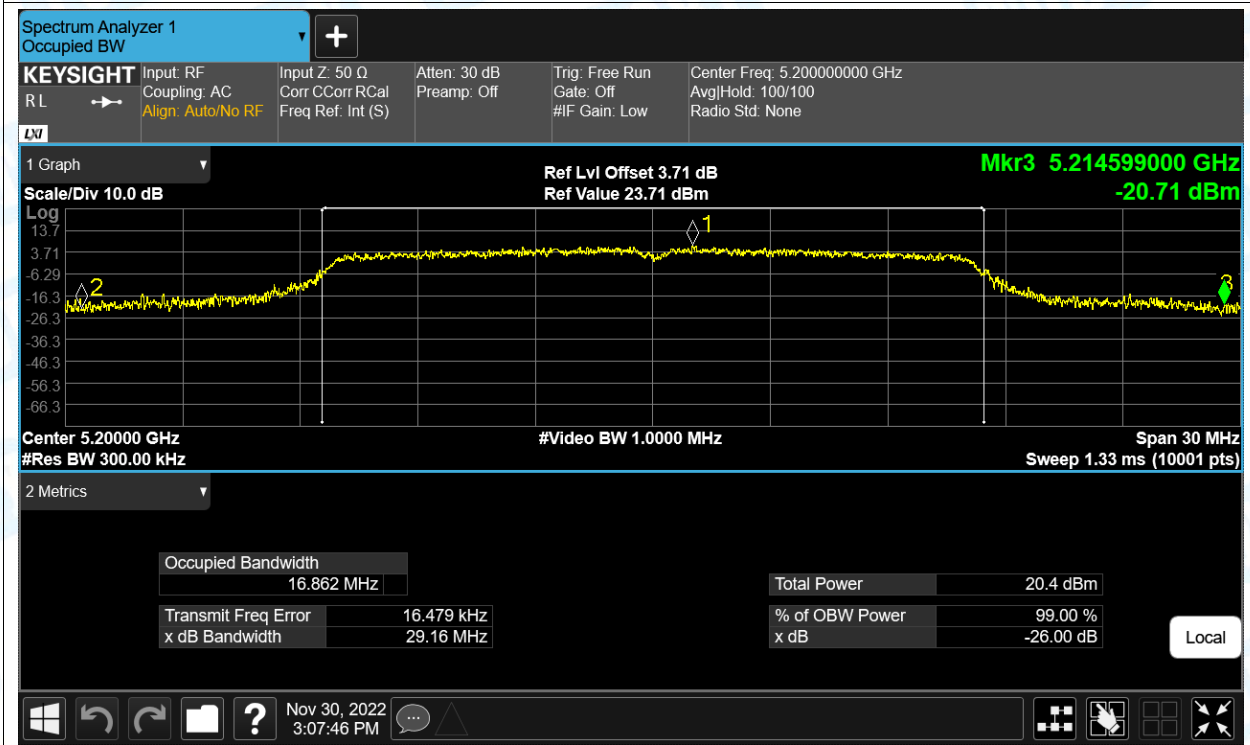
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	22.04	Pass
NVNT	a	5200	Ant1	29.16	Pass
NVNT	a	5240	Ant1	30	Pass
NVNT	ac(VHT20)	5180	Ant1	20.41	Pass
NVNT	ac(VHT20)	5200	Ant1	29.95	Pass
NVNT	ac(VHT20)	5240	Ant1	28.87	Pass
NVNT	ac(VHT40)	5190	Ant1	40.31	Pass
NVNT	ac(VHT40)	5230	Ant1	51.7	Pass
NVNT	ac(VHT80)	5210	Ant1	79.49	Pass
NVNT	n(HT20)	5180	Ant1	20.27	Pass
NVNT	n(HT20)	5200	Ant1	29.9	Pass
NVNT	n(HT20)	5240	Ant1	28.38	Pass
NVNT	n(HT40)	5190	Ant1	55.24	Pass
NVNT	n(HT40)	5230	Ant1	56.75	Pass

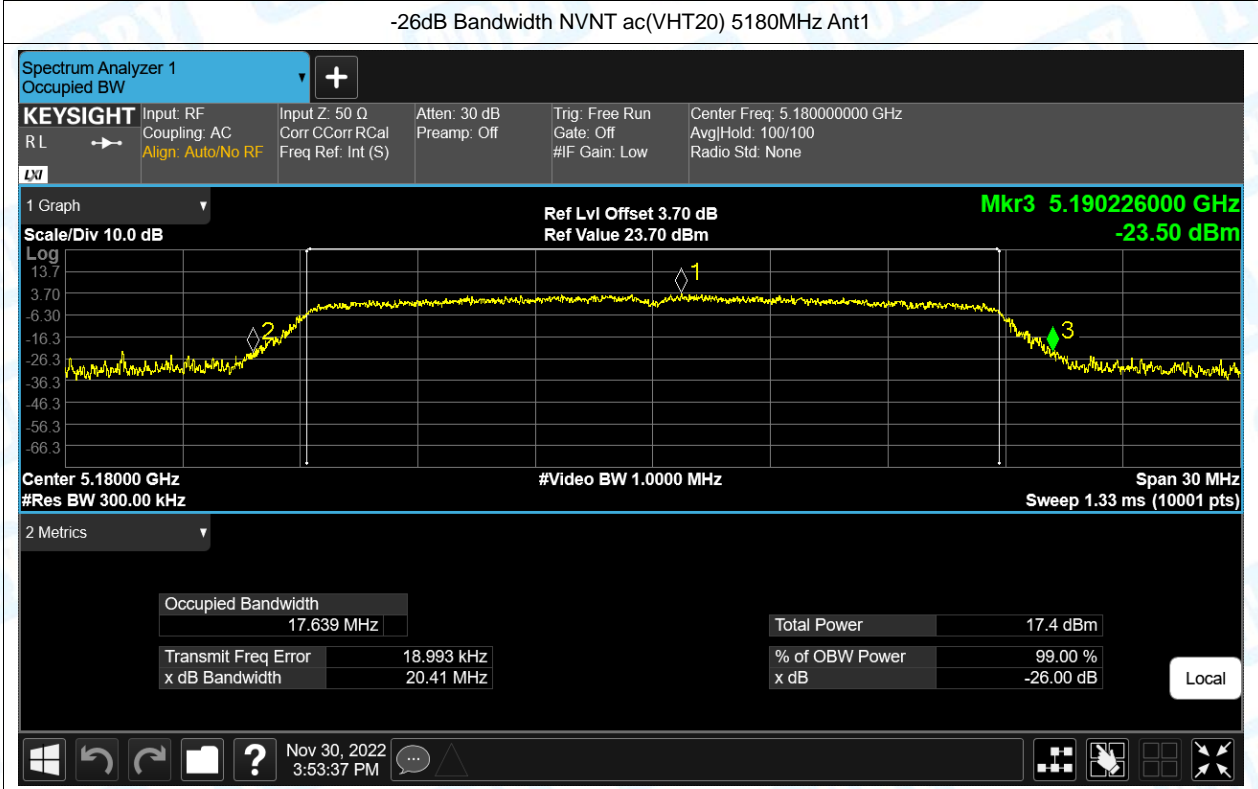
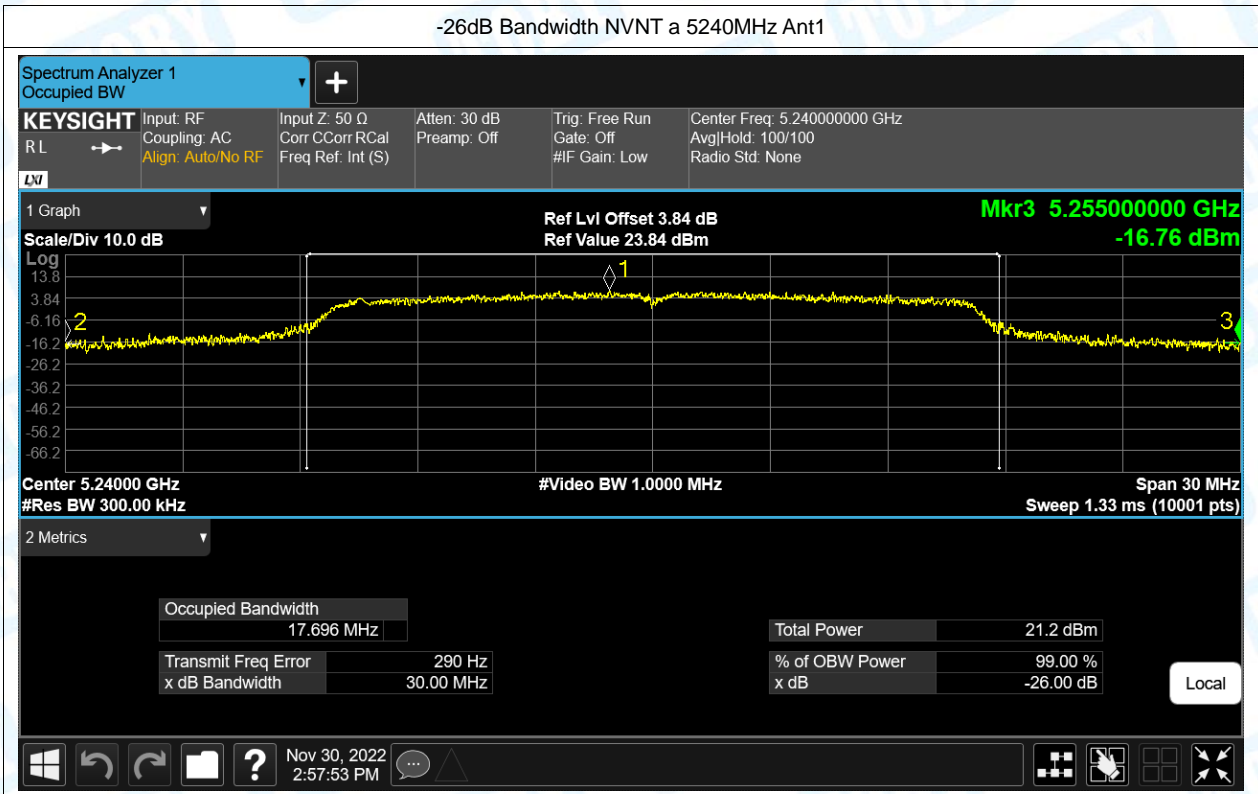
Test Graphs

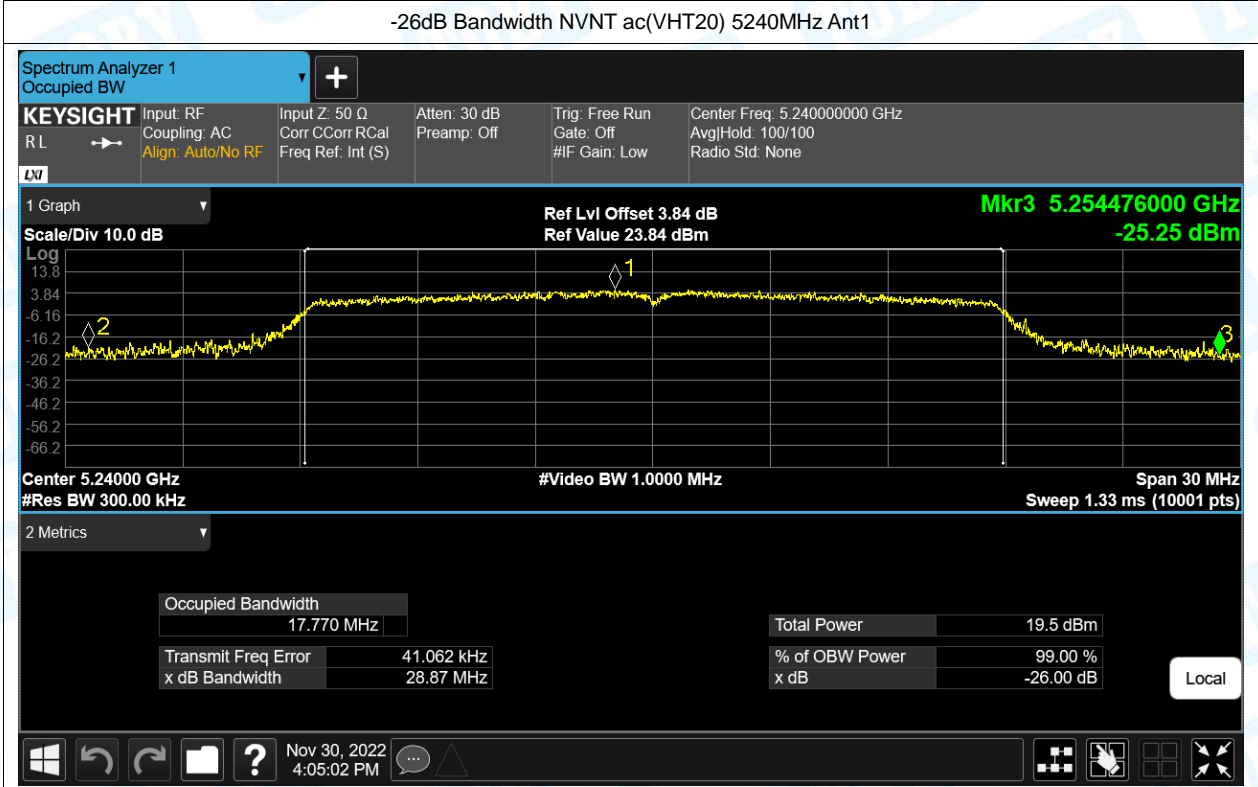
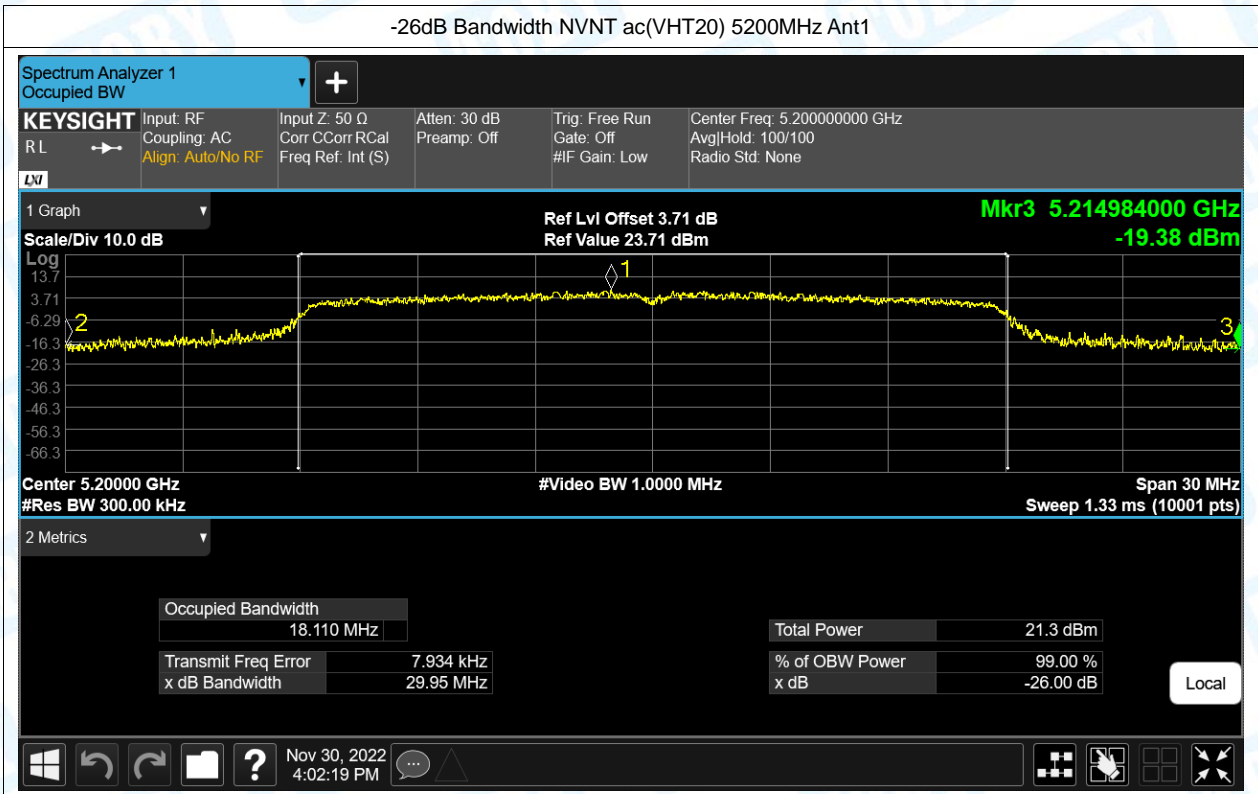
-26dB Bandwidth NVNT a 5180MHz Ant1

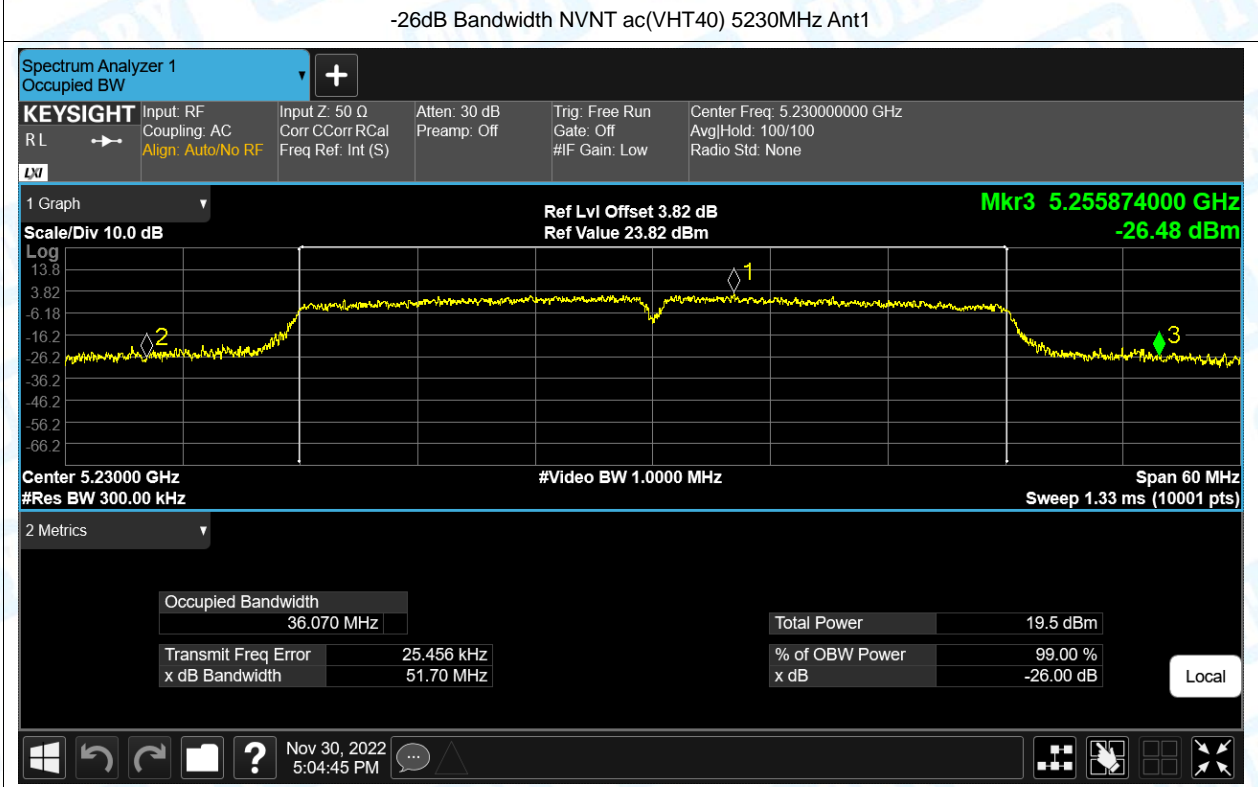
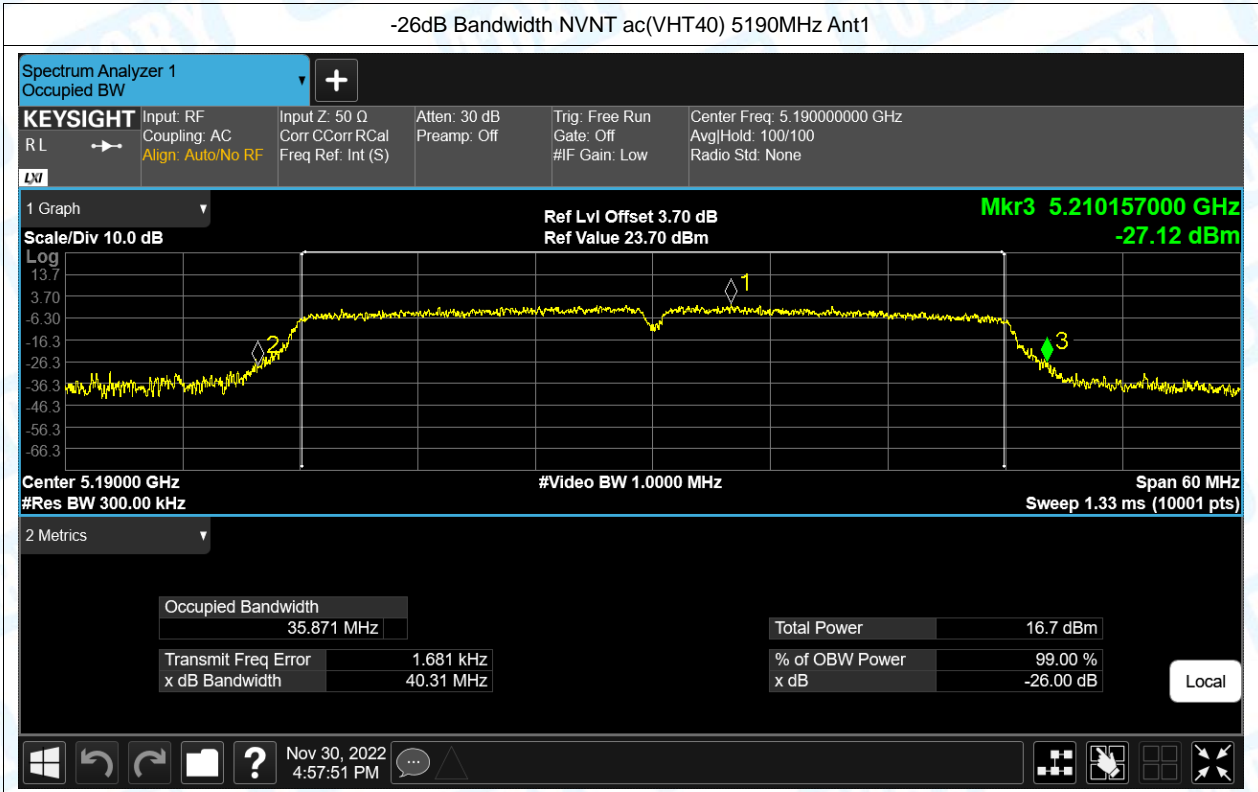


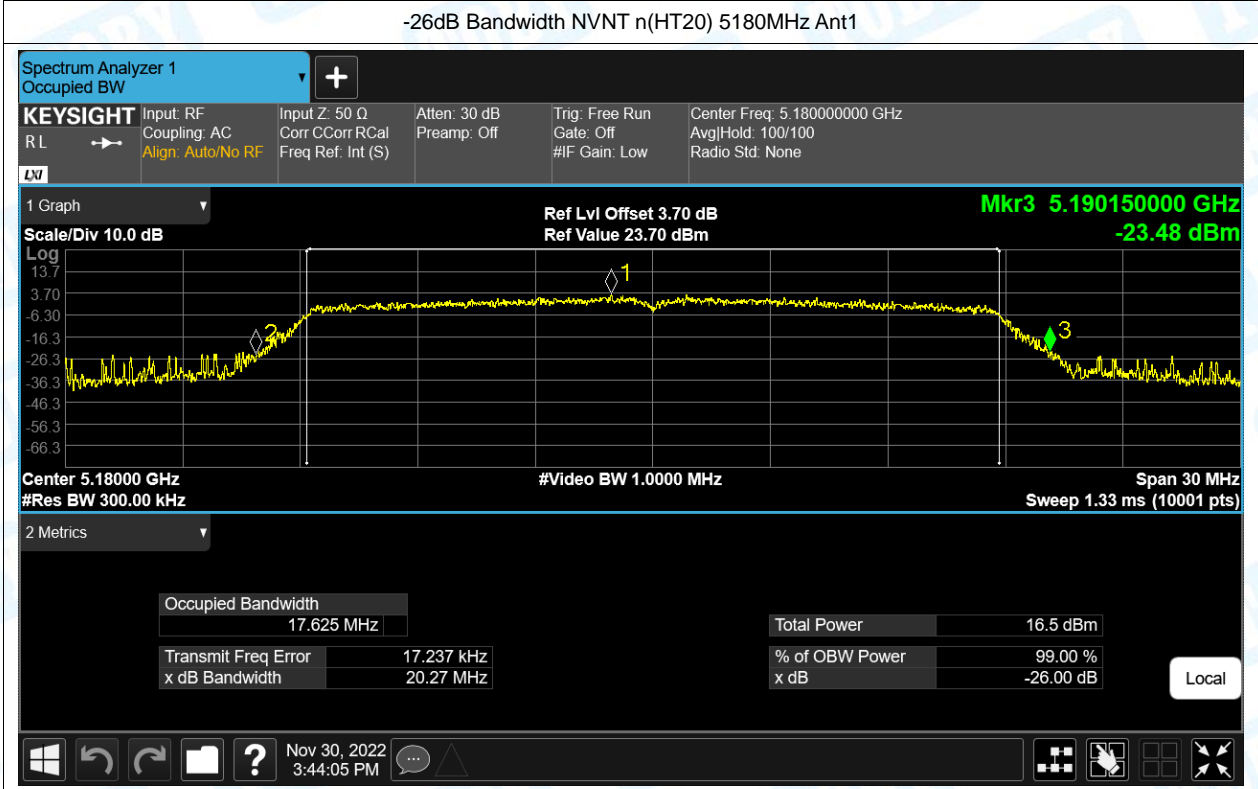
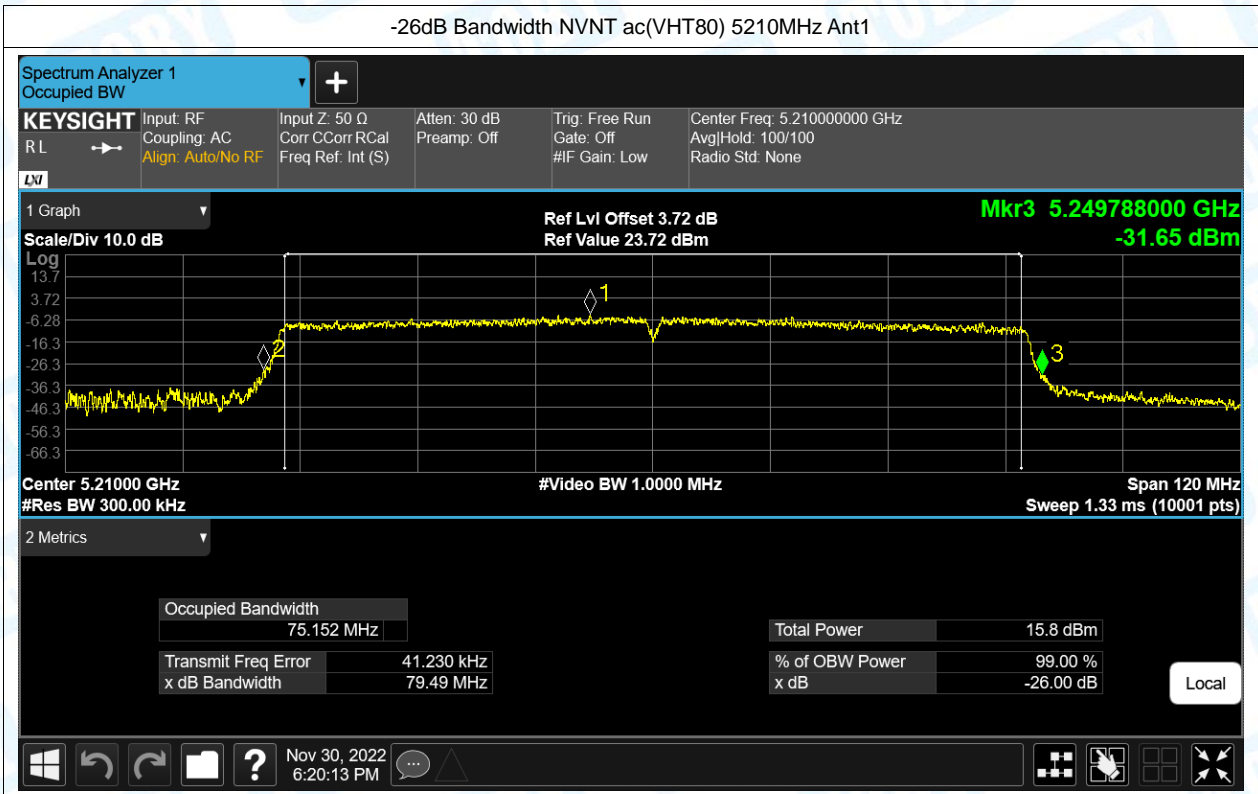
-26dB Bandwidth NVNT a 5200MHz Ant1

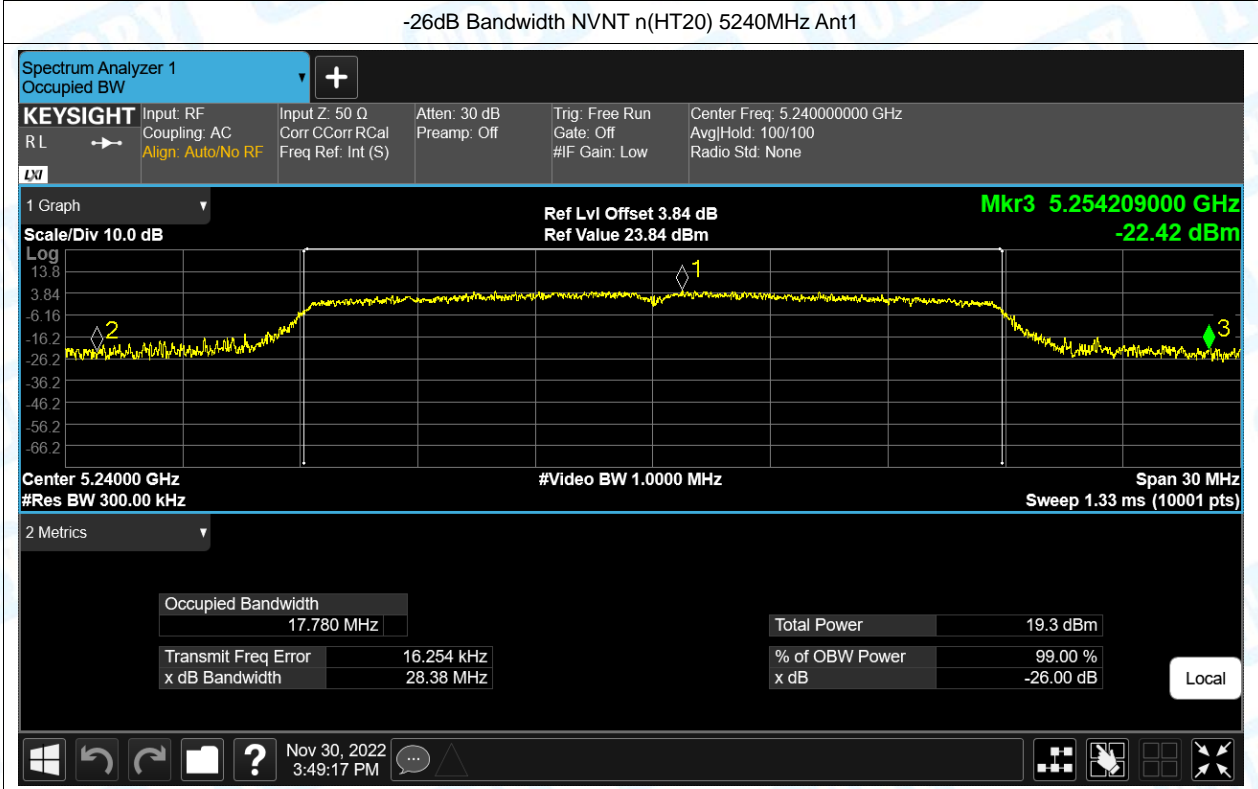
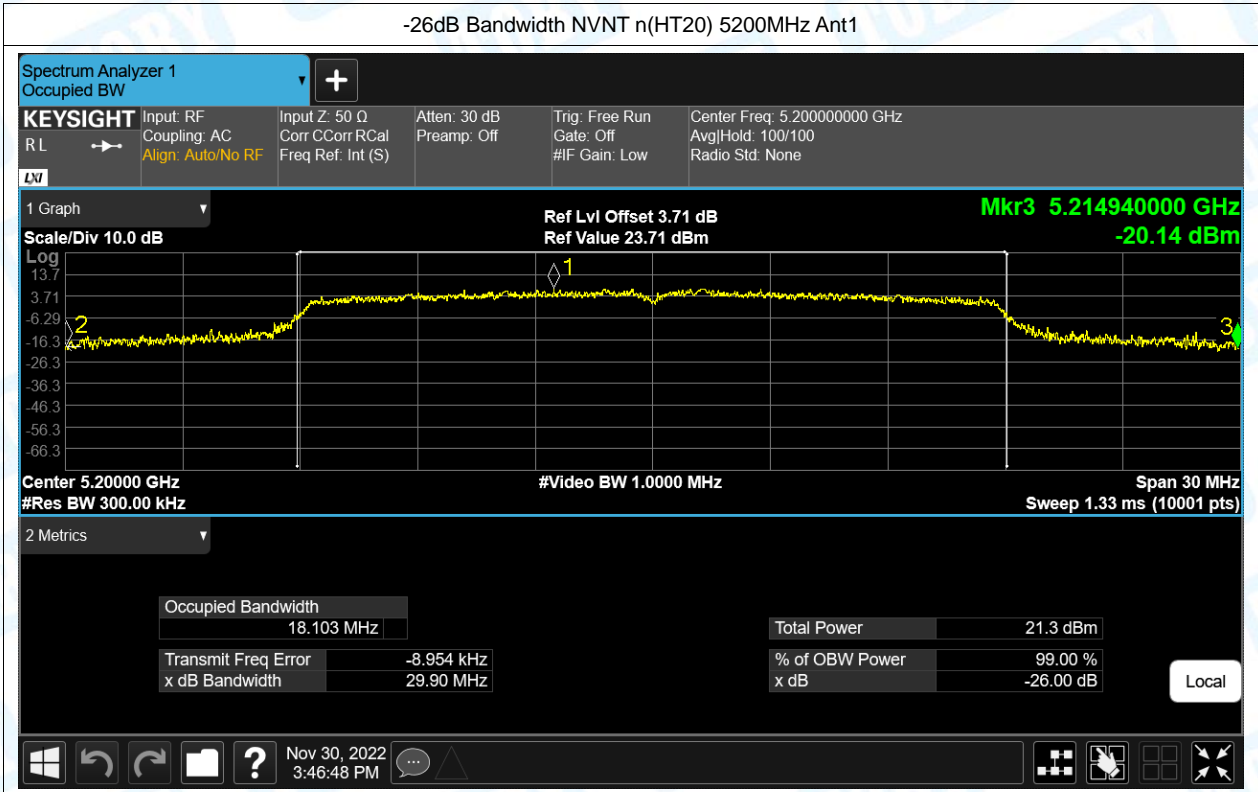


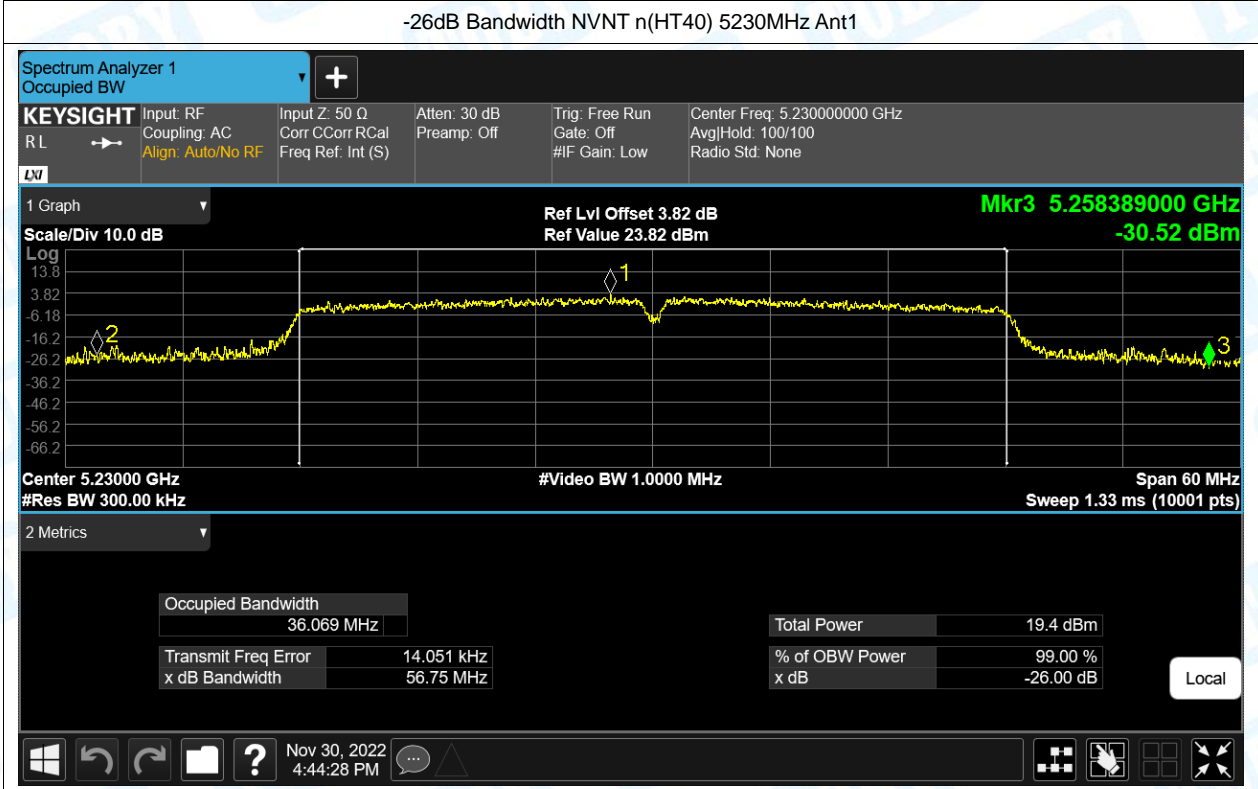
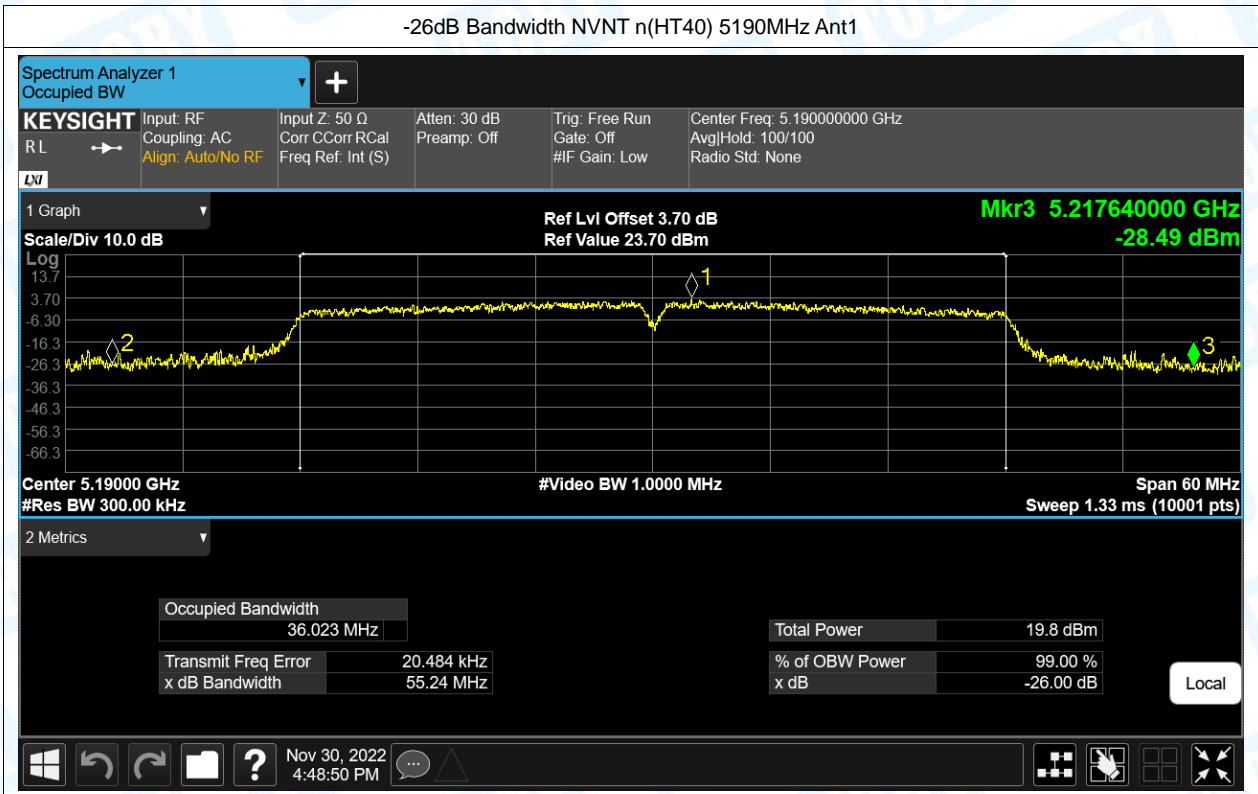










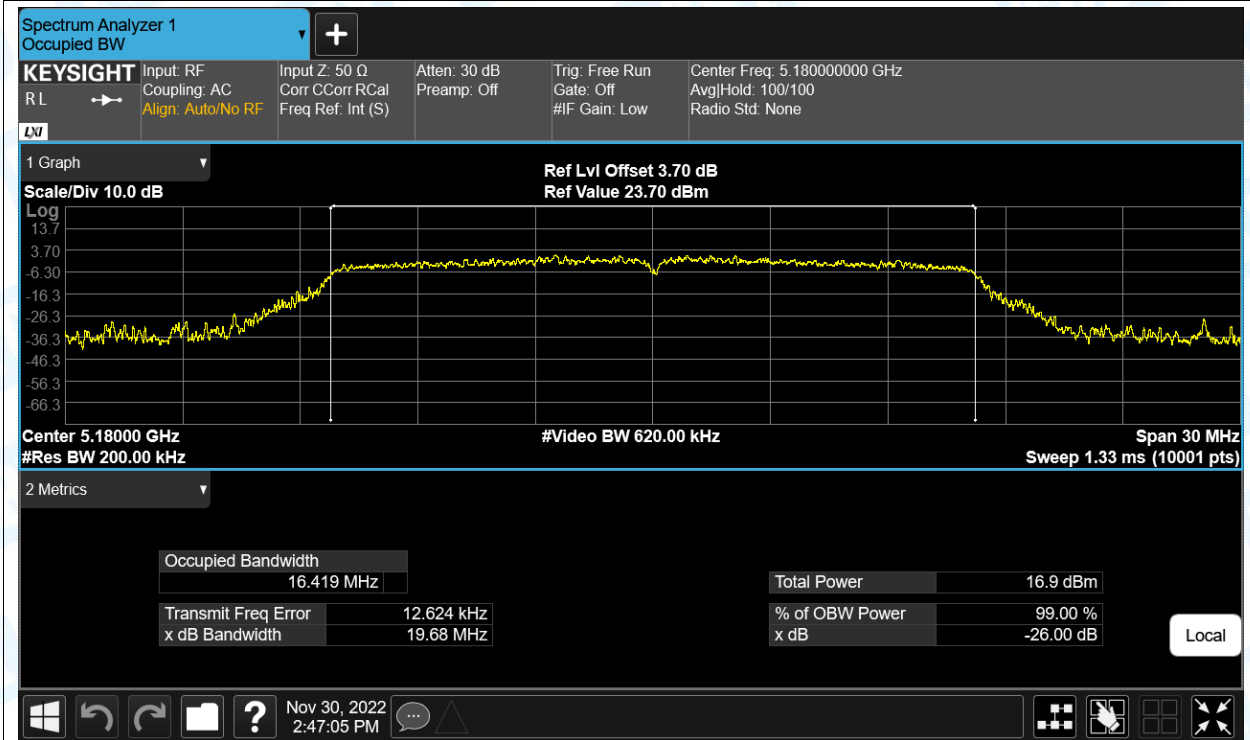


4. Occupied Channel Bandwidth

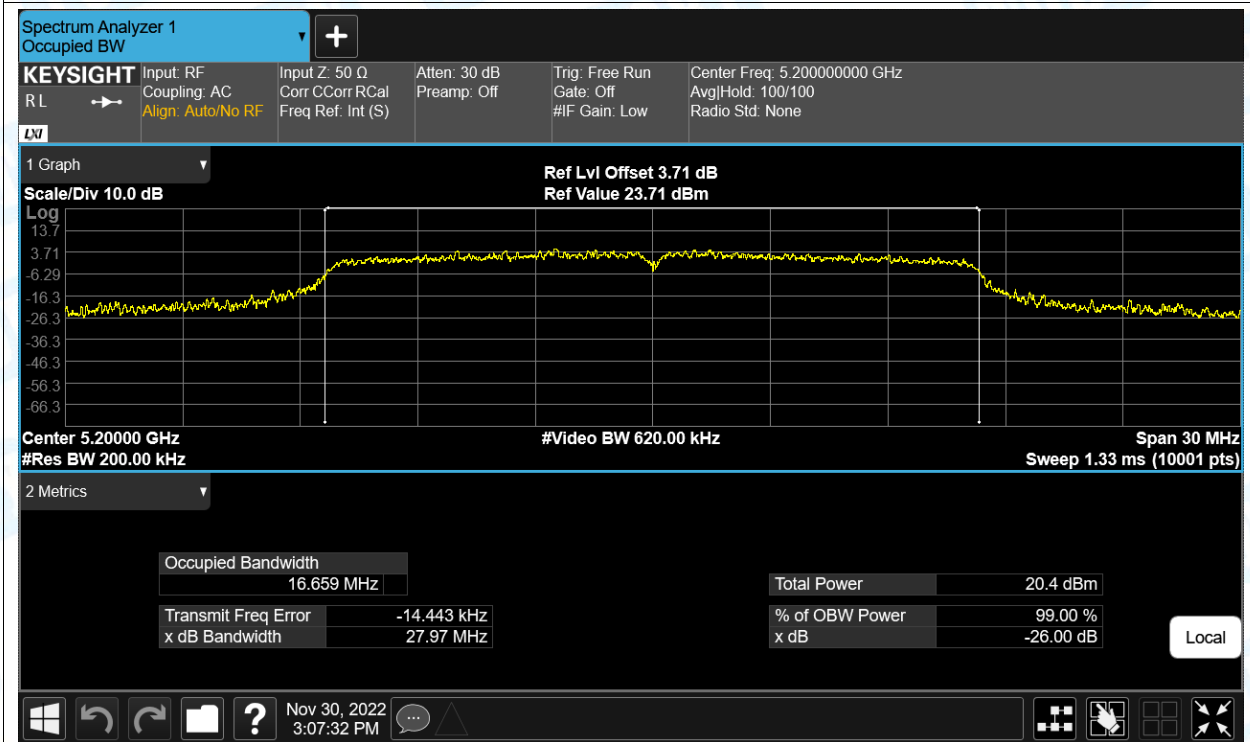
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.419
NVNT	a	5200	Ant1	16.659
NVNT	a	5240	Ant1	17.393
NVNT	ac(VHT20)	5180	Ant1	17.553
NVNT	ac(VHT20)	5200	Ant1	18.05
NVNT	ac(VHT20)	5240	Ant1	17.659
NVNT	ac(VHT40)	5190	Ant1	35.948
NVNT	ac(VHT40)	5230	Ant1	36.158
NVNT	ac(VHT80)	5210	Ant1	75.291
NVNT	n(HT20)	5180	Ant1	17.541
NVNT	n(HT20)	5200	Ant1	17.989
NVNT	n(HT20)	5240	Ant1	17.625
NVNT	n(HT40)	5190	Ant1	36.12
NVNT	n(HT40)	5230	Ant1	36.147

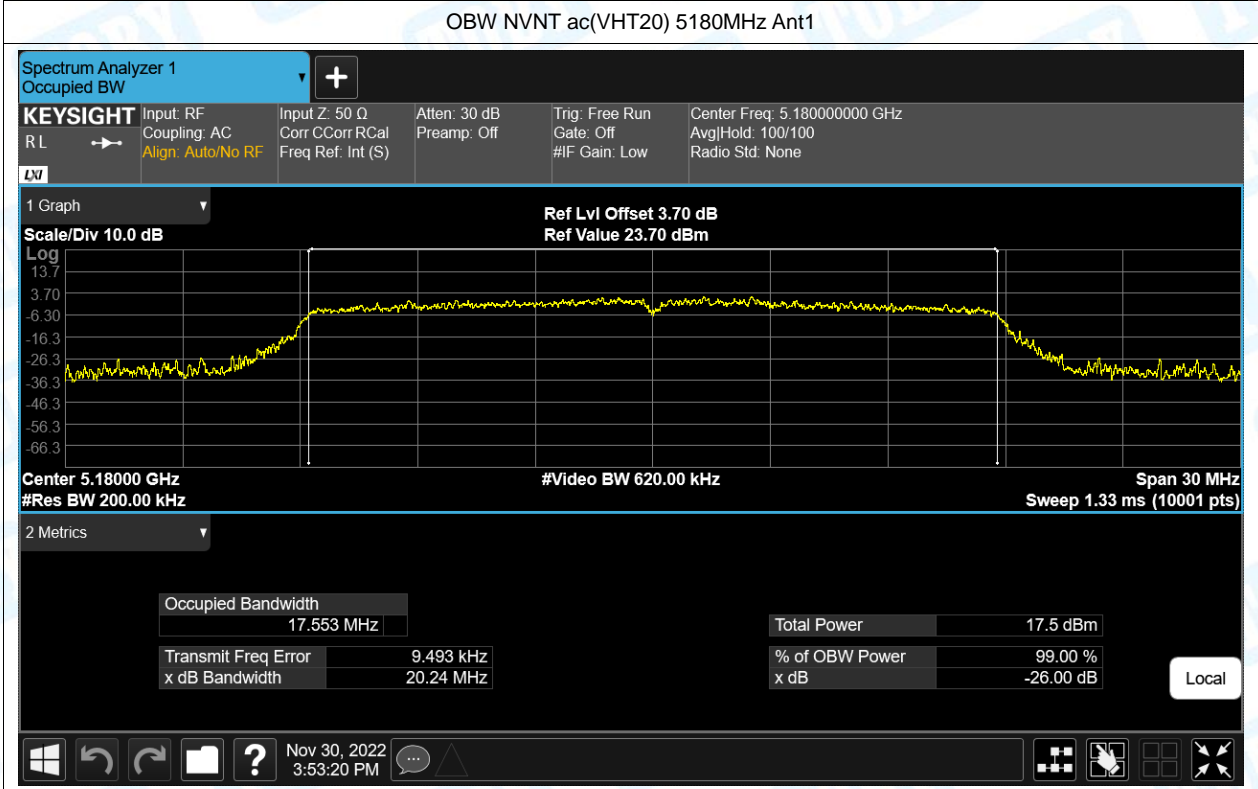
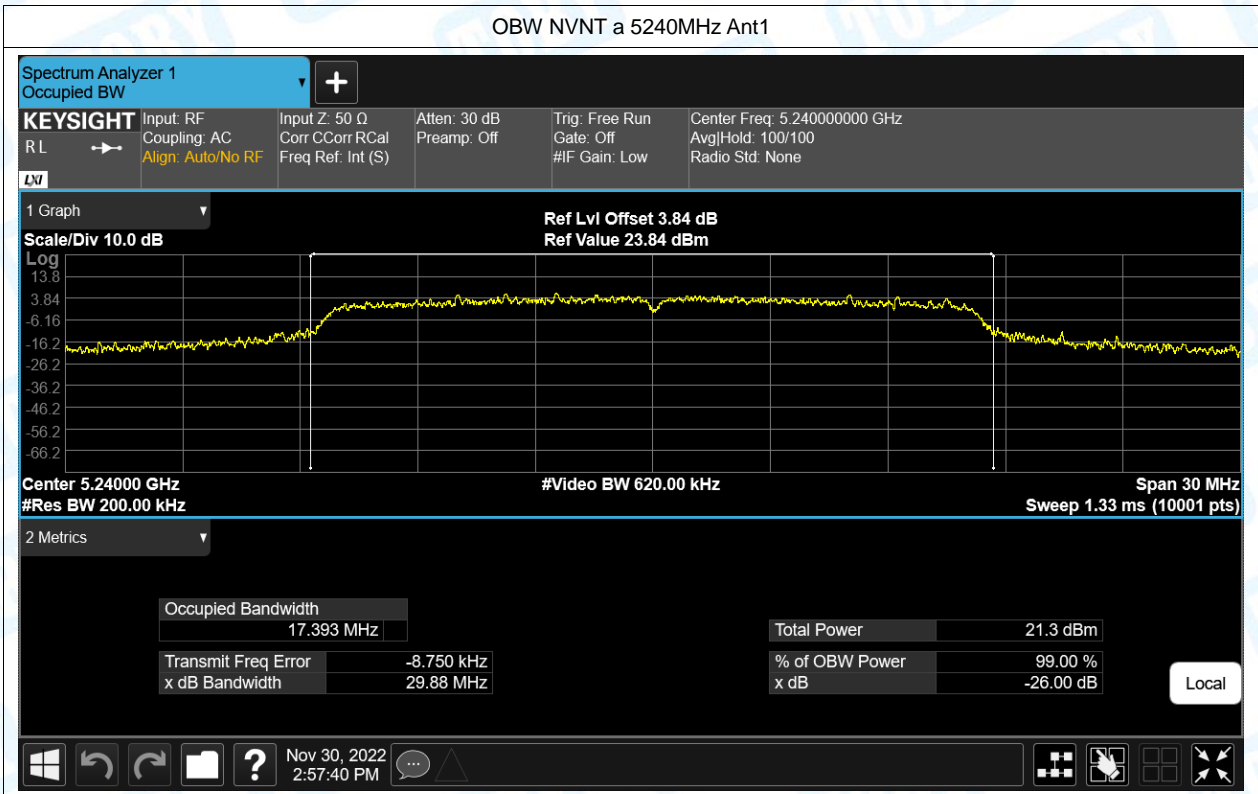
Test Graphs

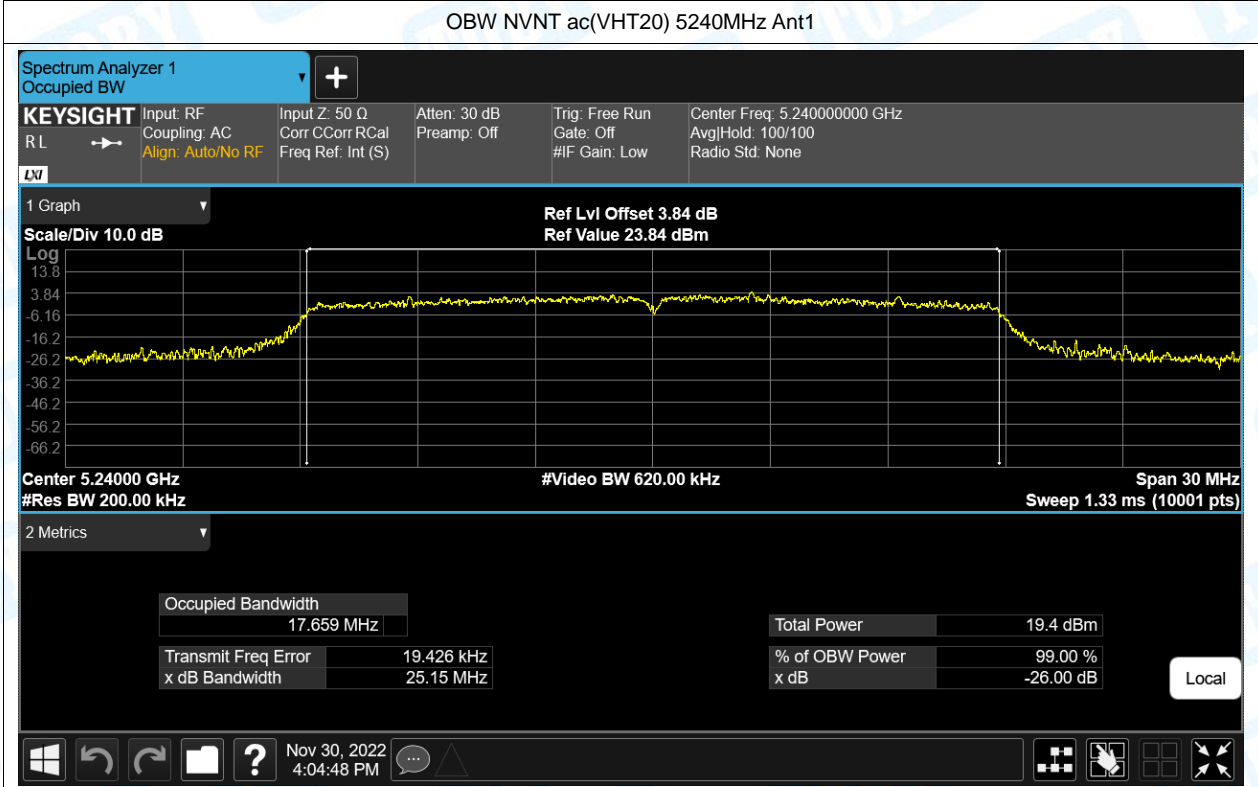
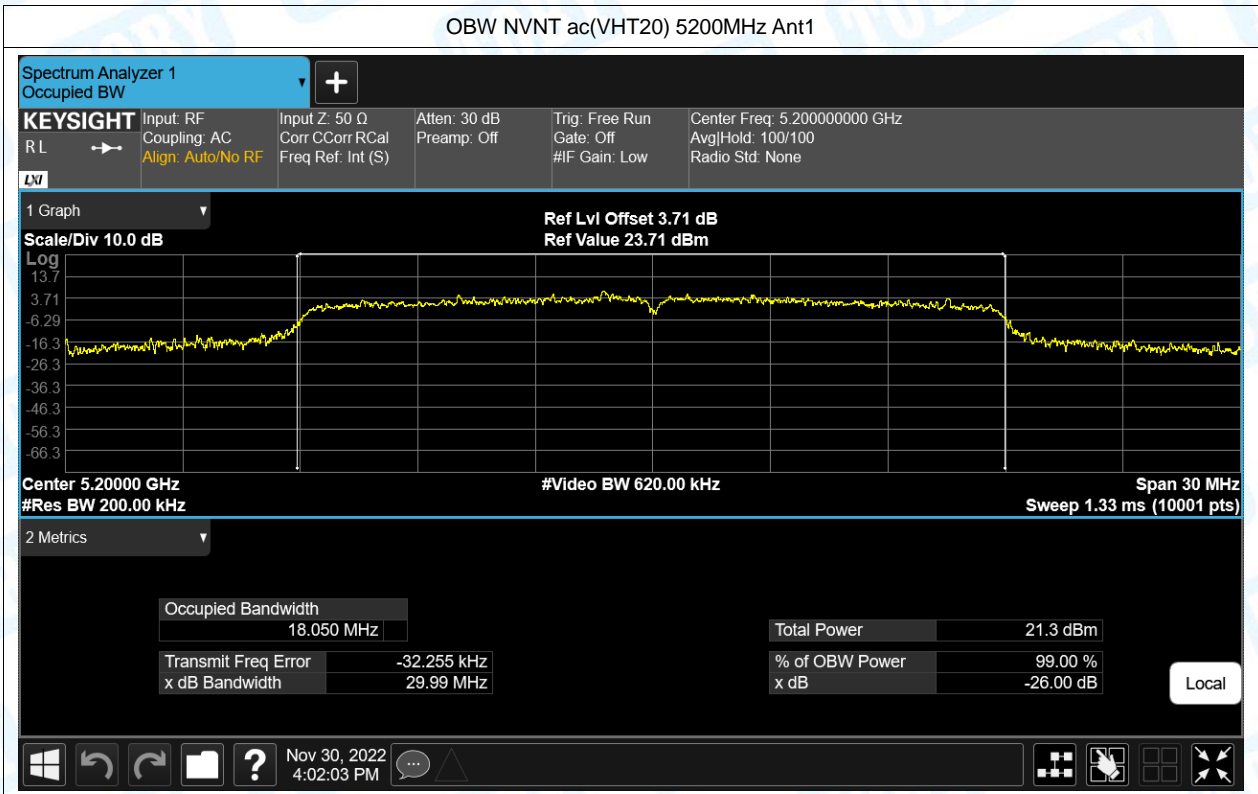
OBW NVNT a 5180MHz Ant1

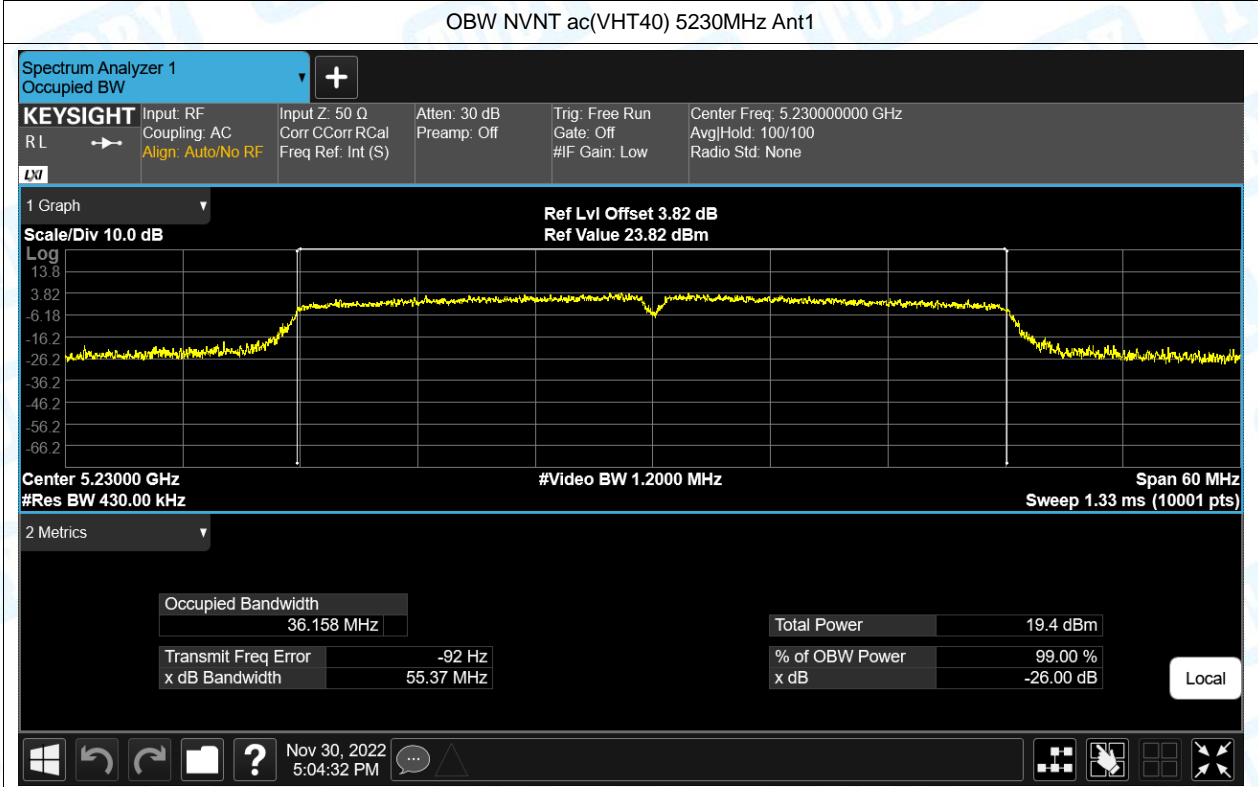
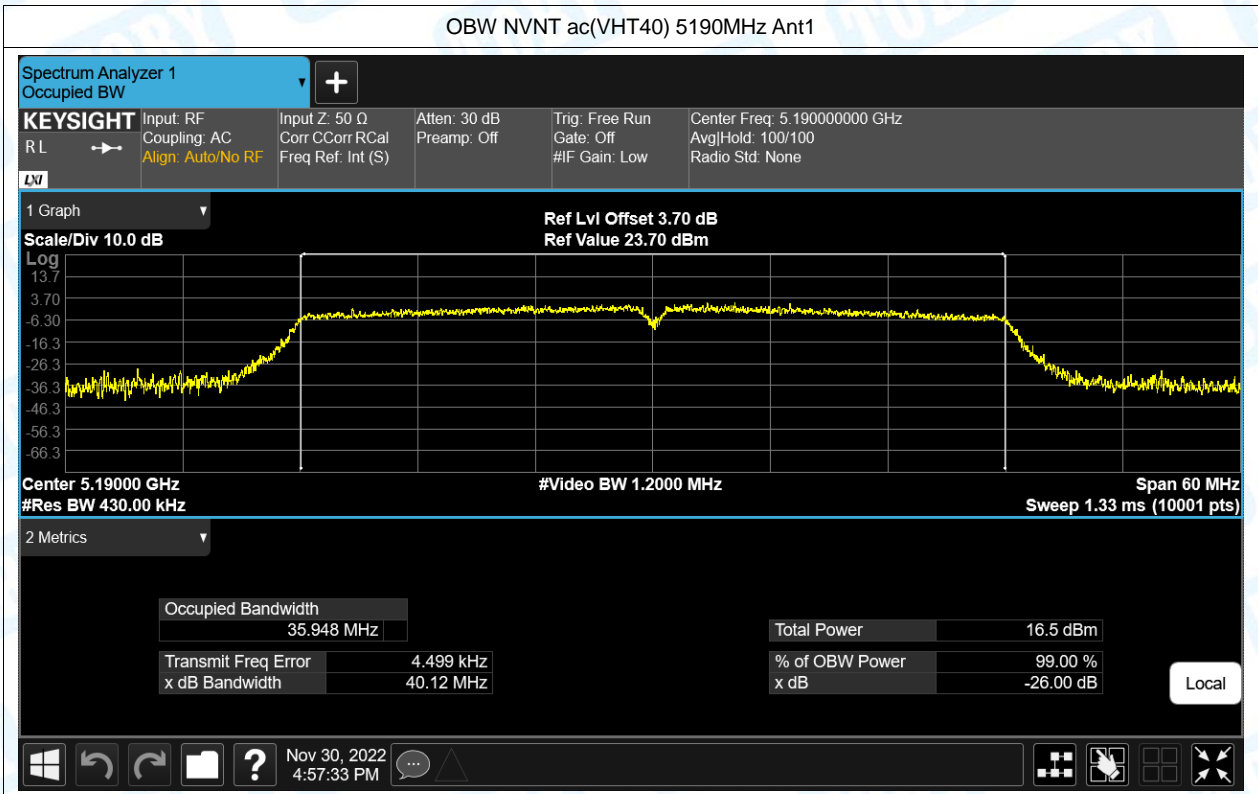


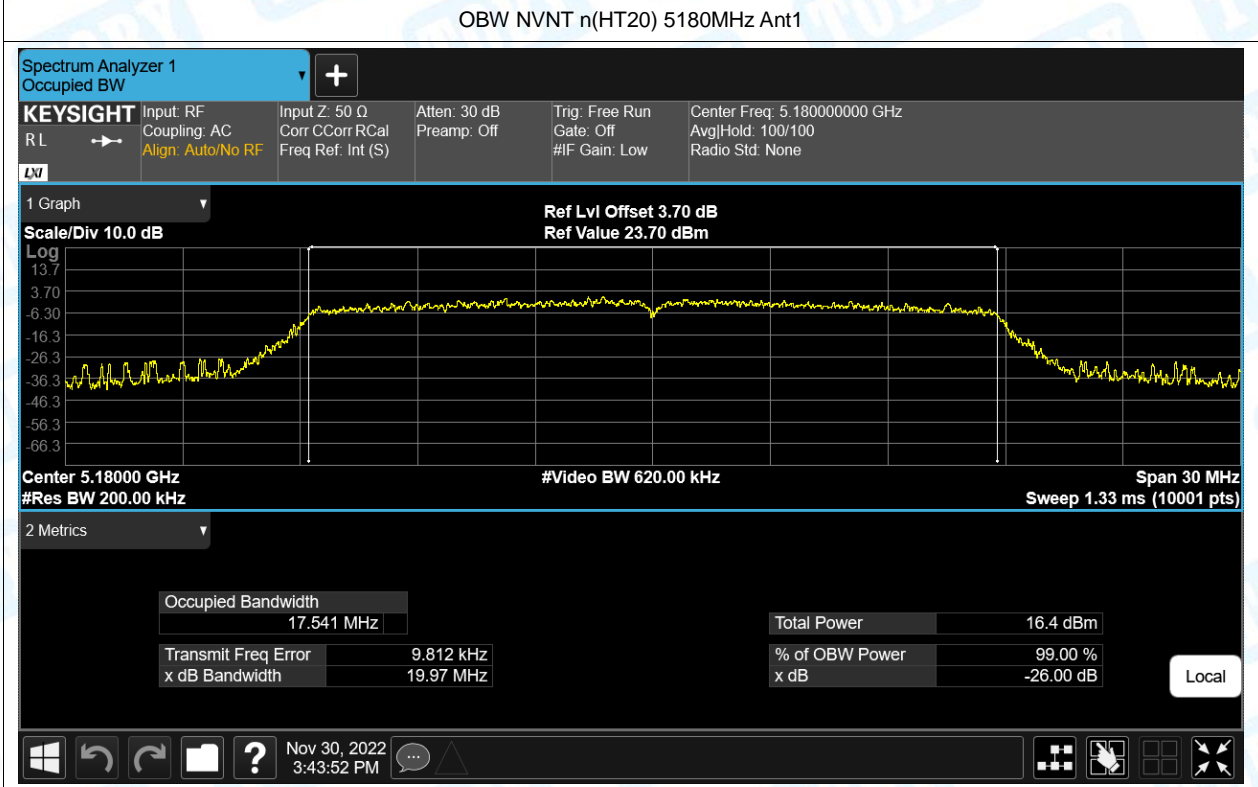
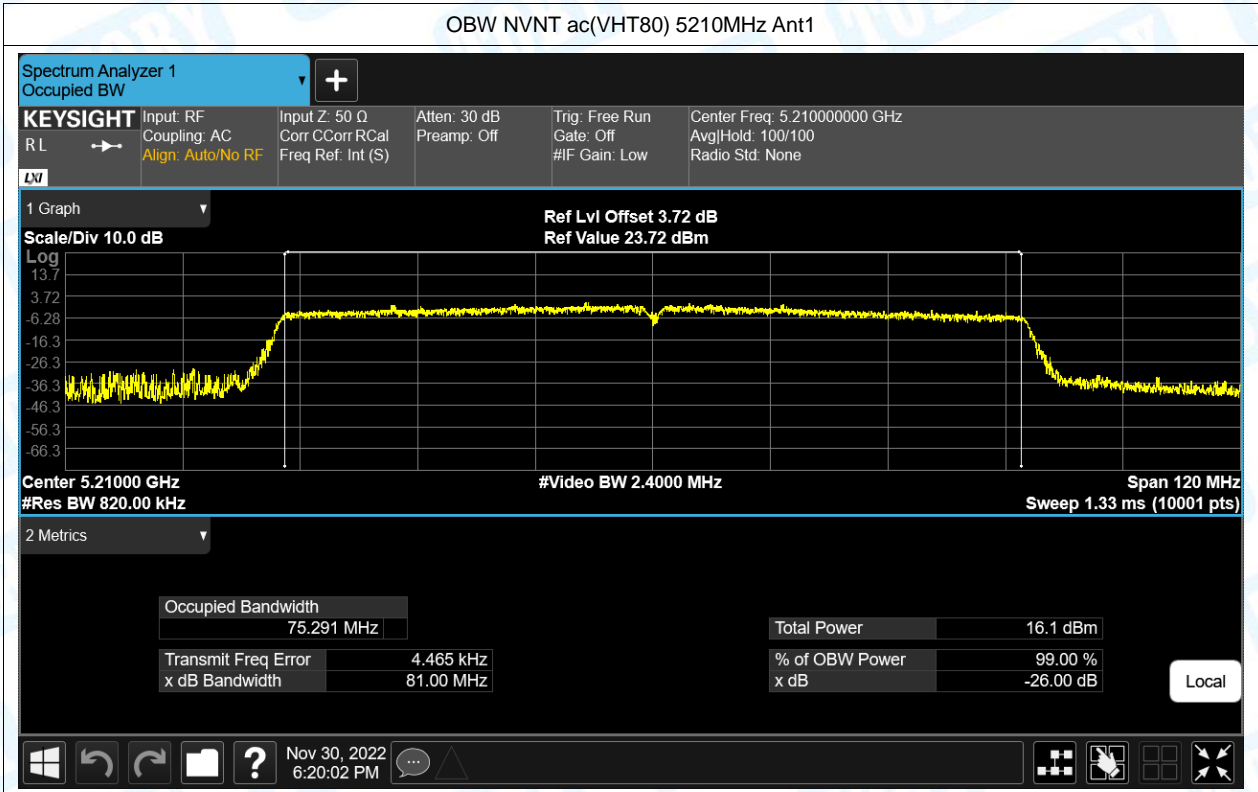
OBW NVNT a 5200MHz Ant1

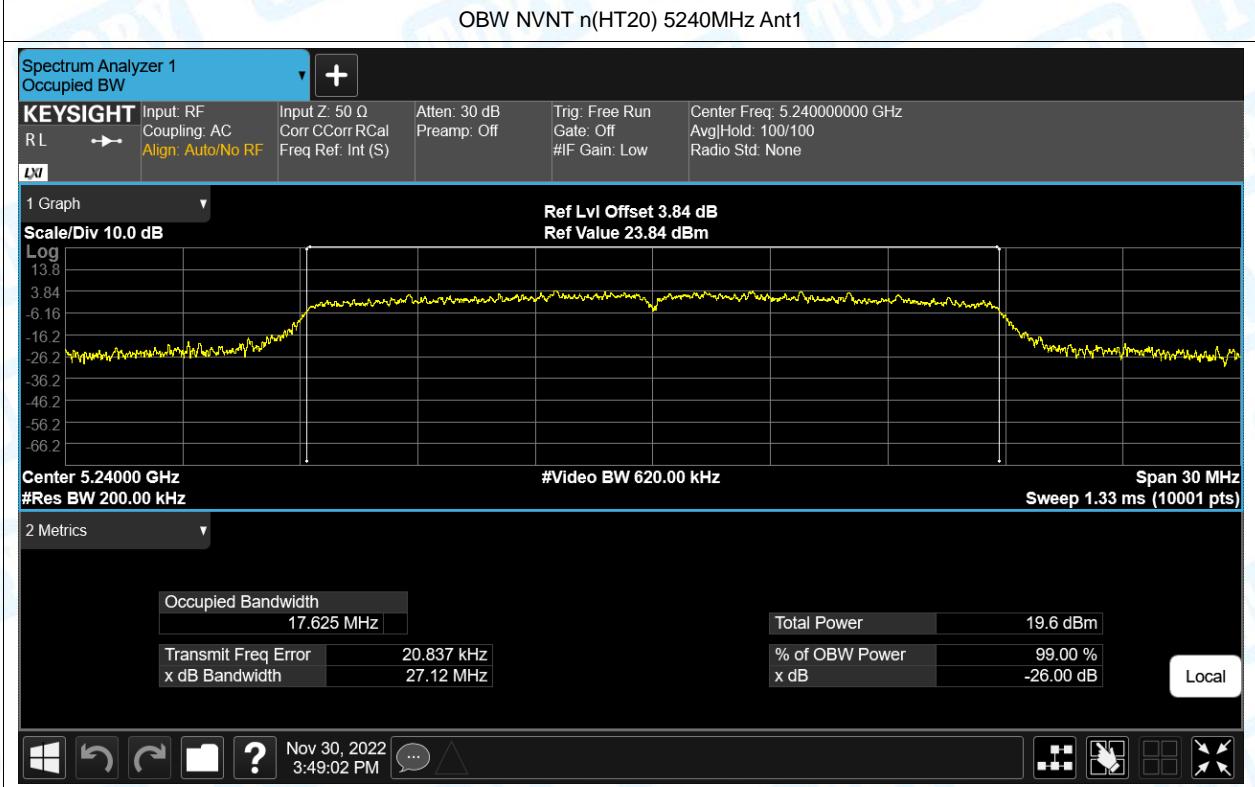
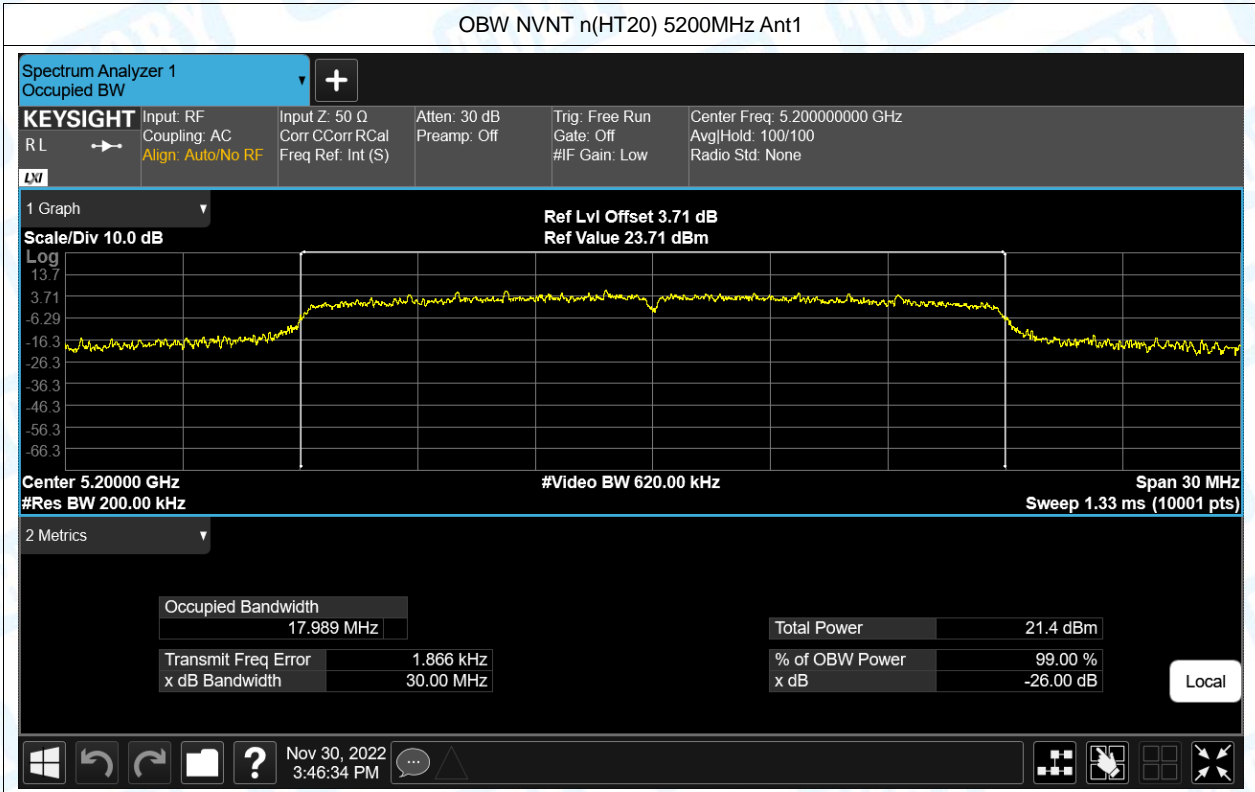


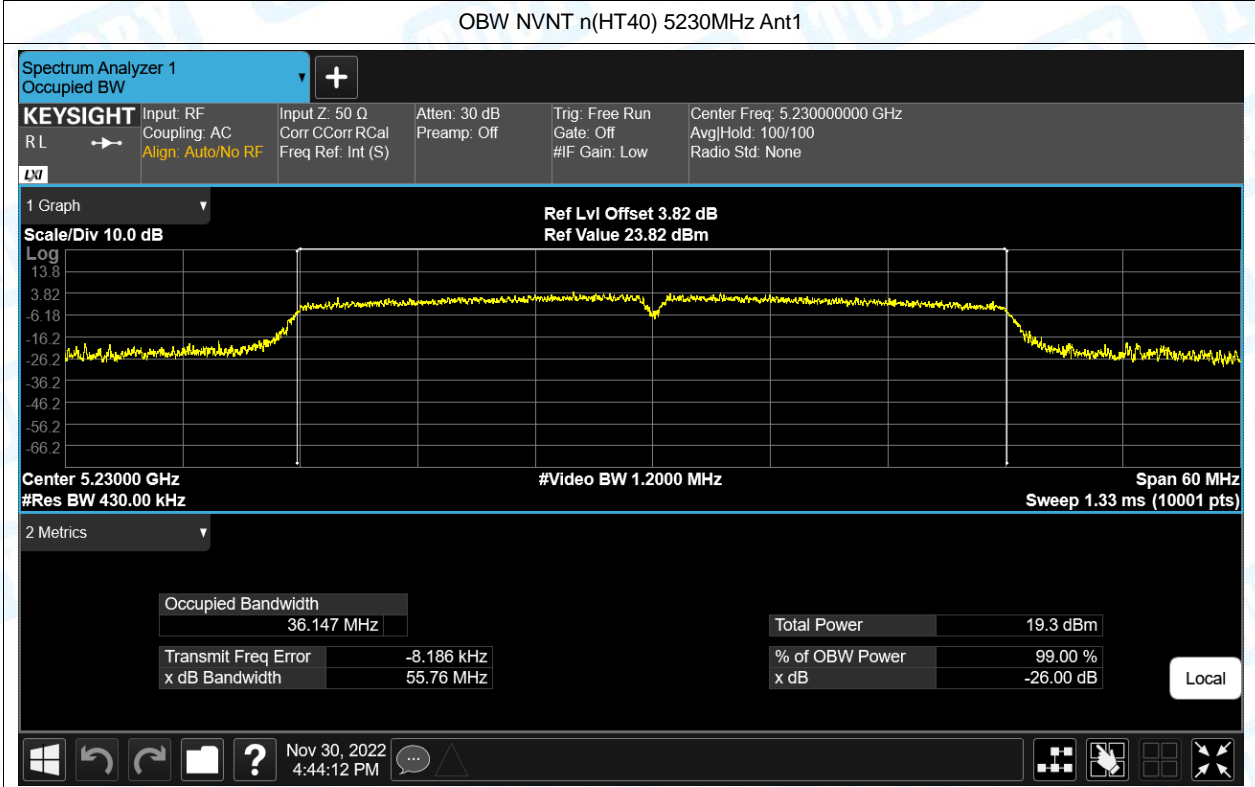
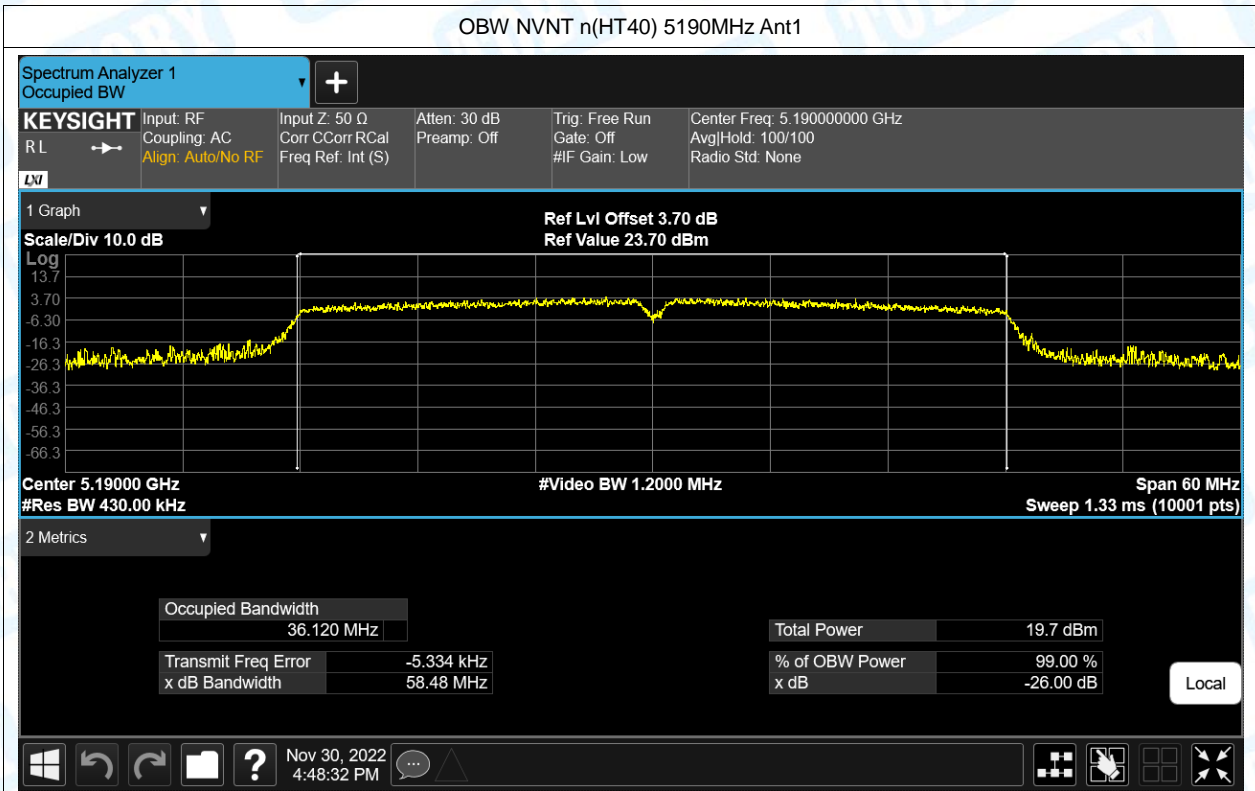












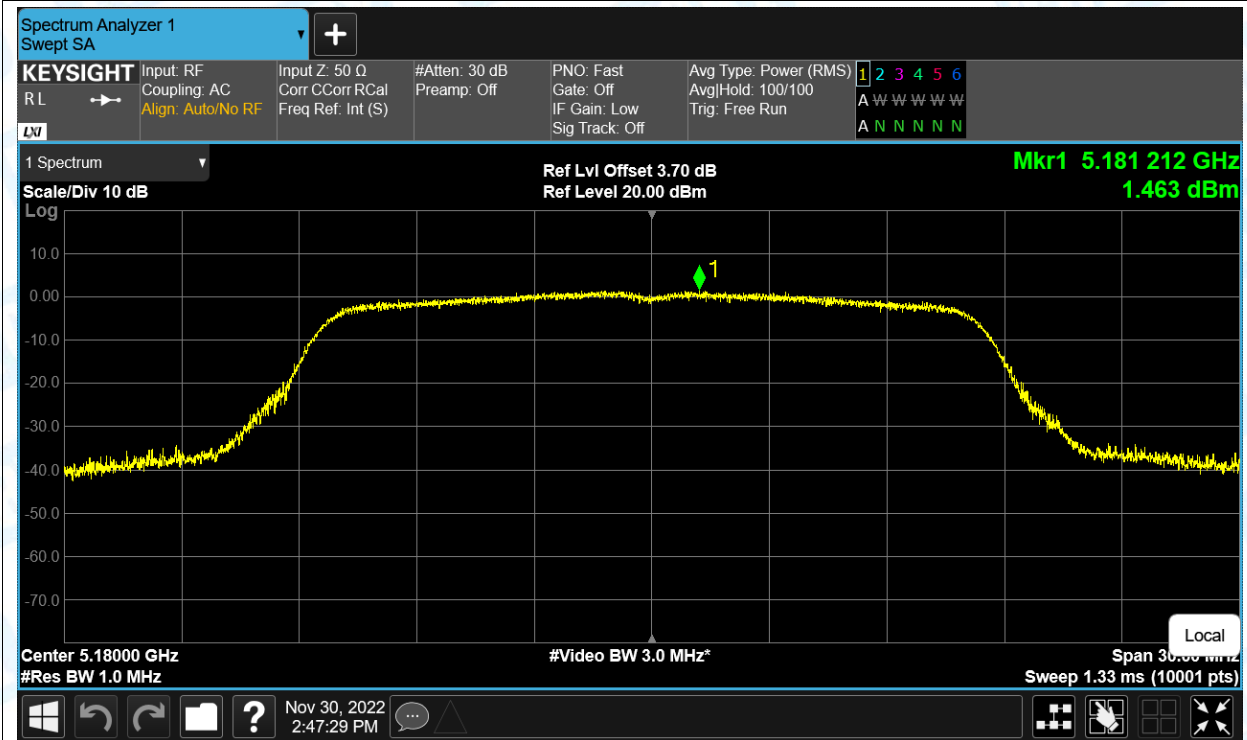
5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	1.463	11	Pass
NVNT	a	5200	Ant1	5.18	11	Pass
NVNT	a	5240	Ant1	5.901	11	Pass
NVNT	ac(VHT20)	5180	Ant1	1.824	11	Pass
NVNT	ac(VHT20)	5200	Ant1	5.522	11	Pass
NVNT	ac(VHT20)	5240	Ant1	5.4	11	Pass
NVNT	ac(VHT40)	5190	Ant1	-1.938	11	Pass
NVNT	ac(VHT40)	5230	Ant1	0.638	11	Pass
NVNT	ac(VHT80)	5210	Ant1	-7.218	11	Pass
NVNT	n(HT20)	5180	Ant1	0.791	11	Pass
NVNT	n(HT20)	5200	Ant1	5.694	11	Pass
NVNT	n(HT20)	5240	Ant1	3.858	11	Pass
NVNT	n(HT40)	5190	Ant1	-2.466	11	Pass
NVNT	n(HT40)	5230	Ant1	0.464	11	Pass

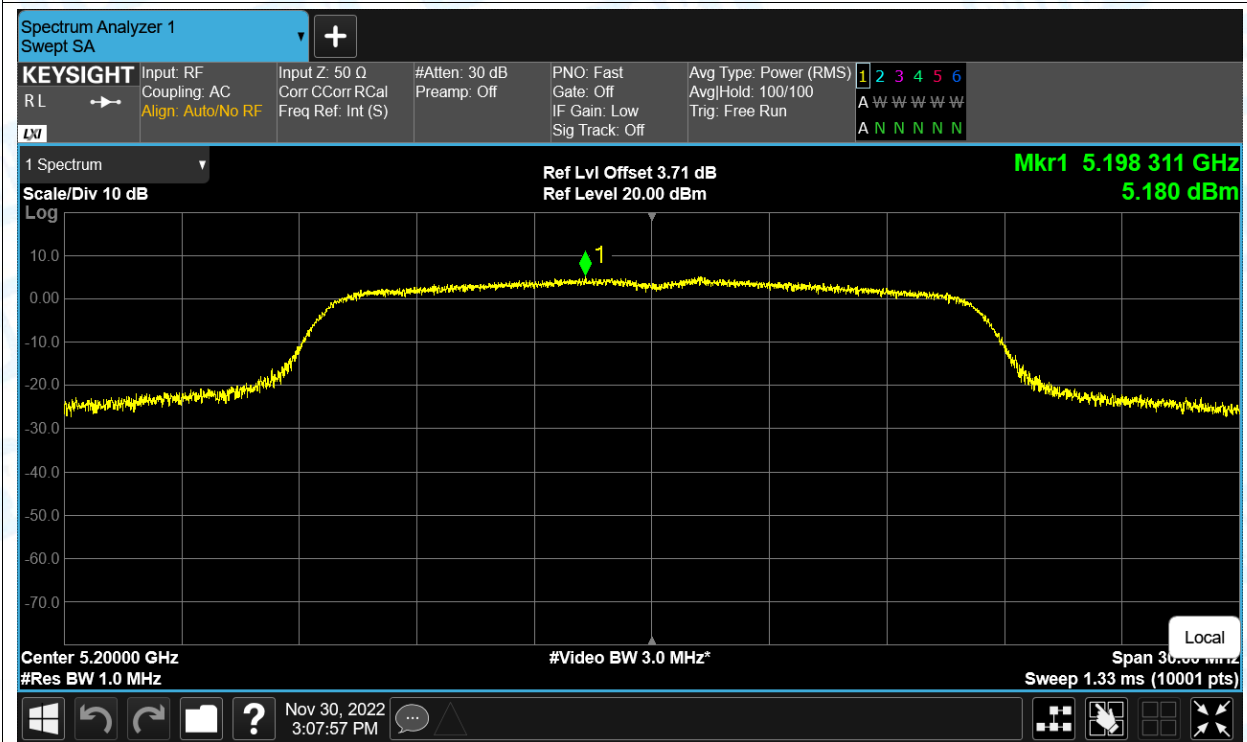
Note: The Duty Cycle Factor and RBW Factor is compensated in the graph.

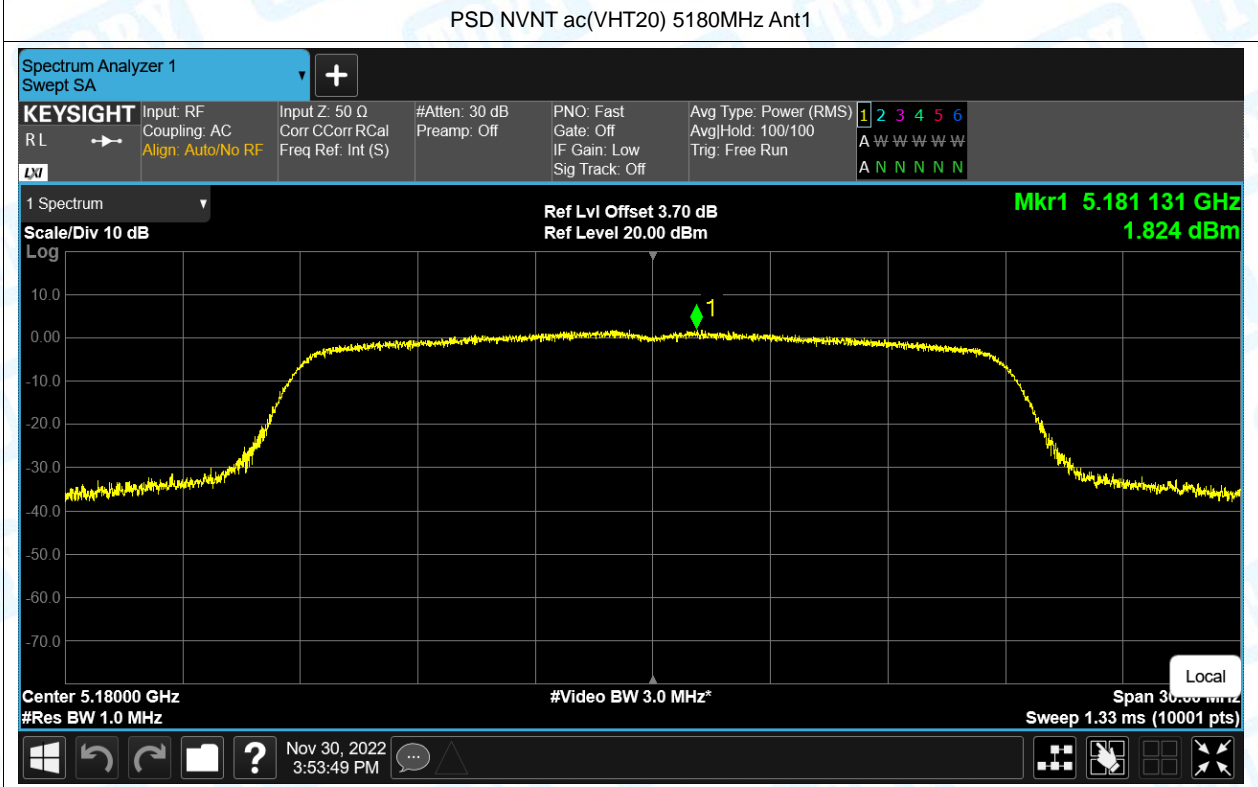
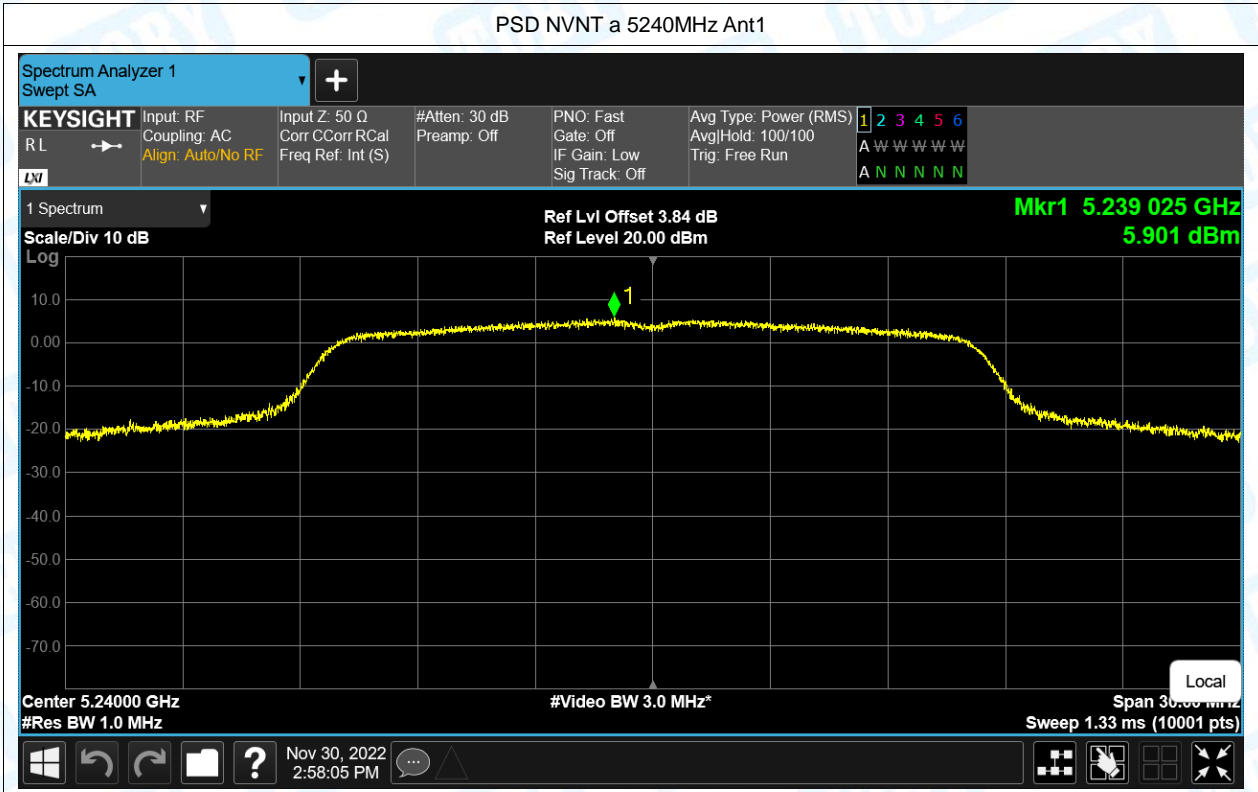
Test Graphs

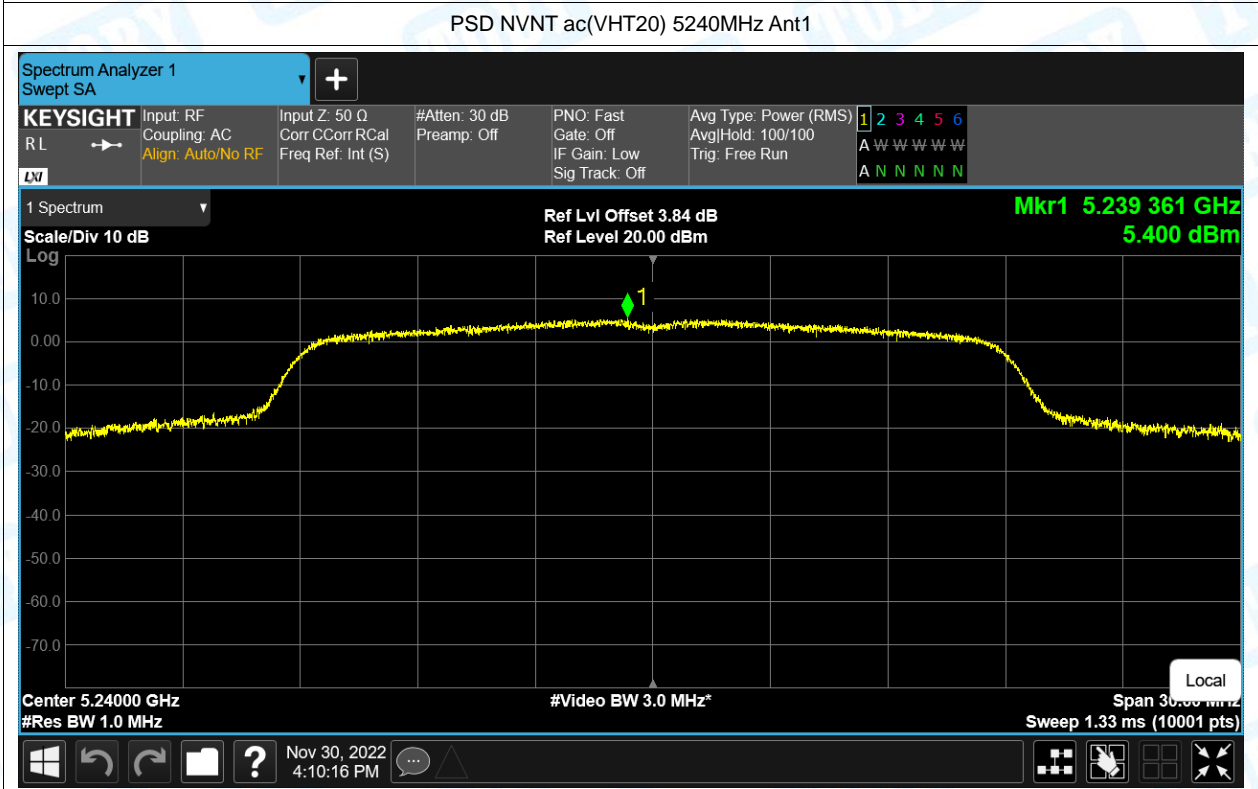
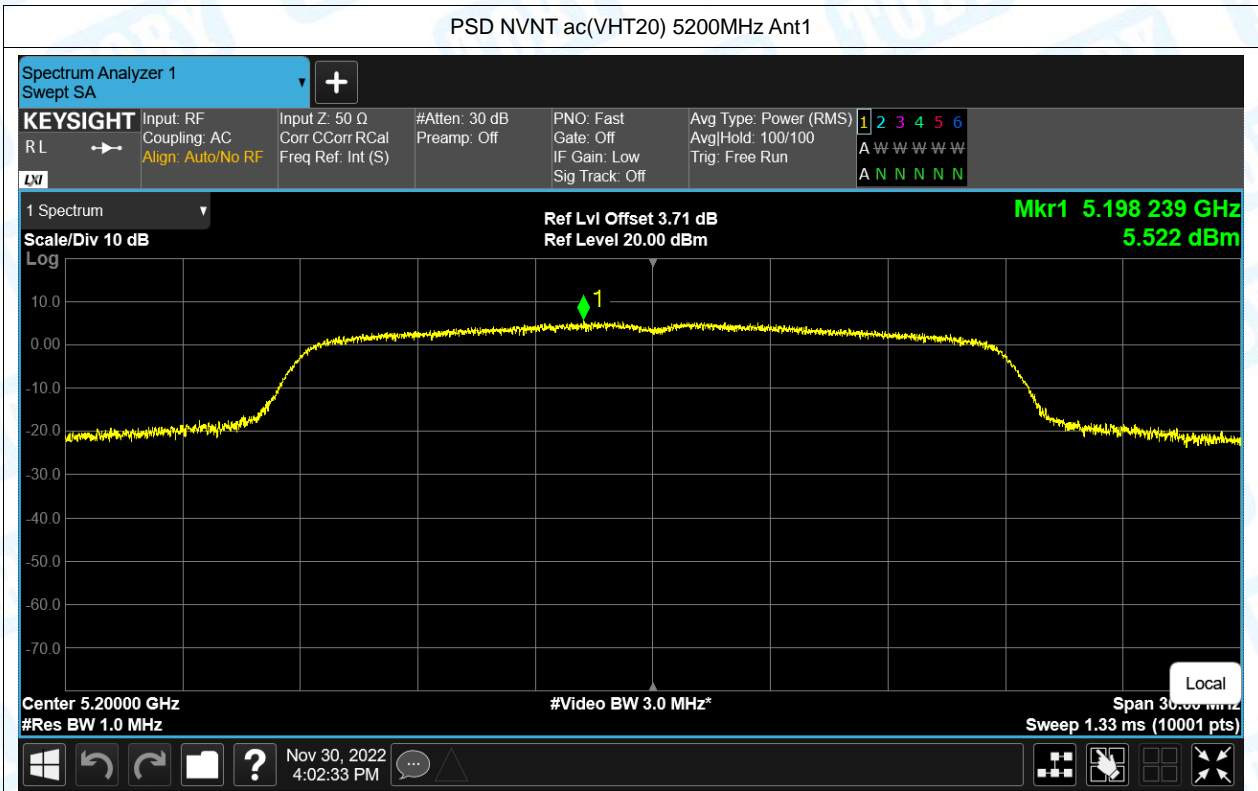
PSD NVNT a 5180MHz Ant1

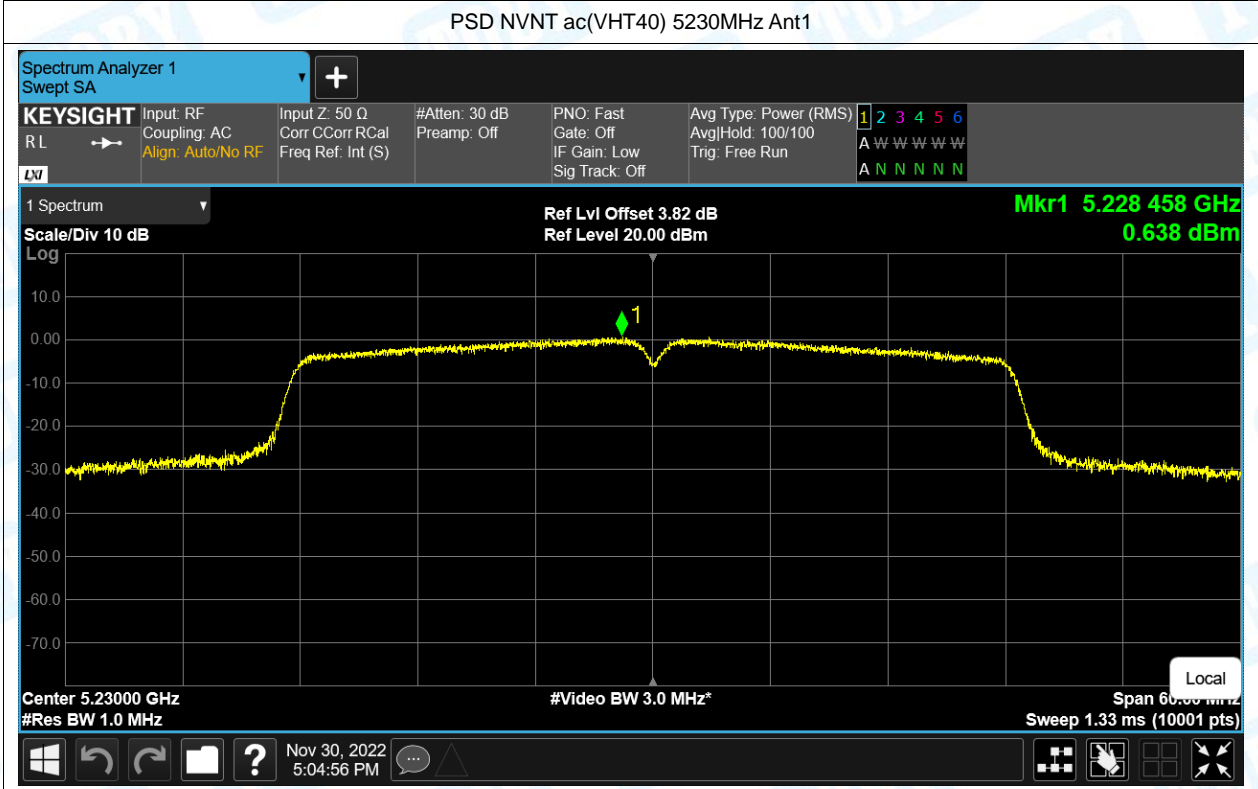
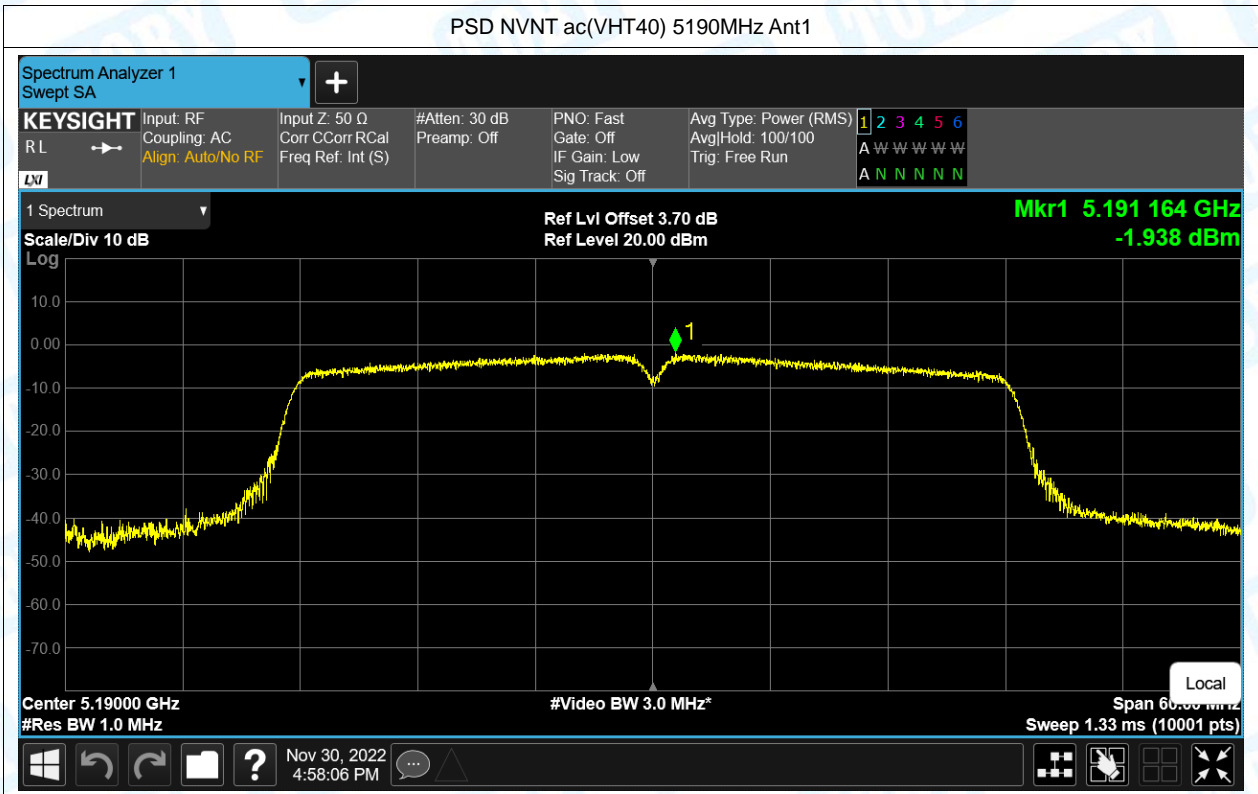


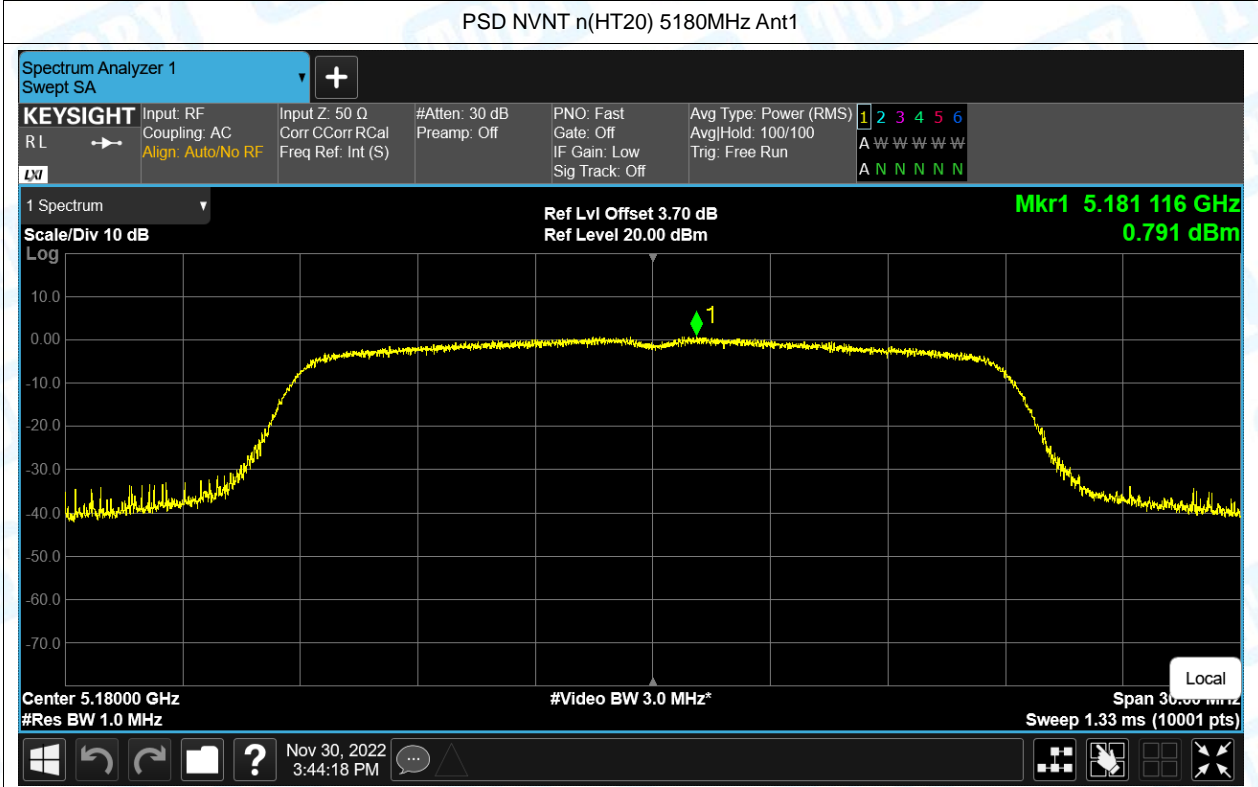
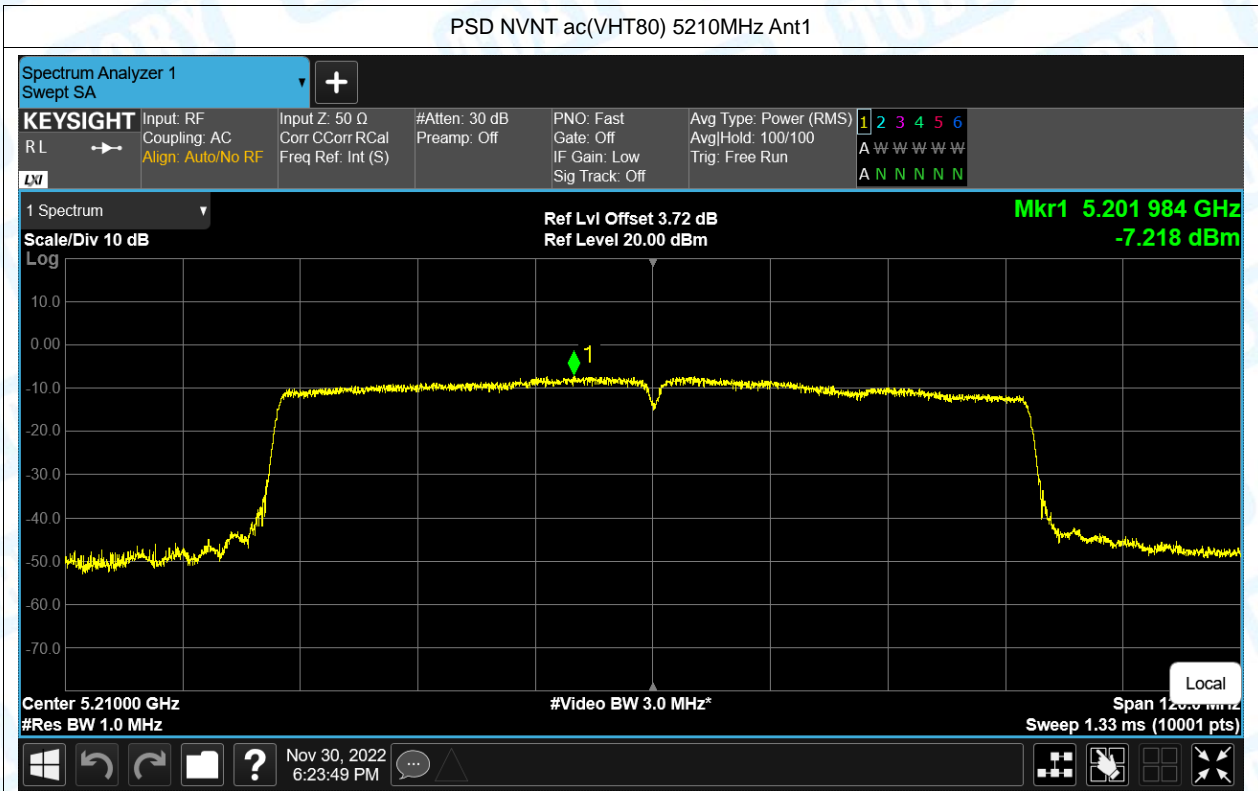
PSD NVNT a 5200MHz Ant1

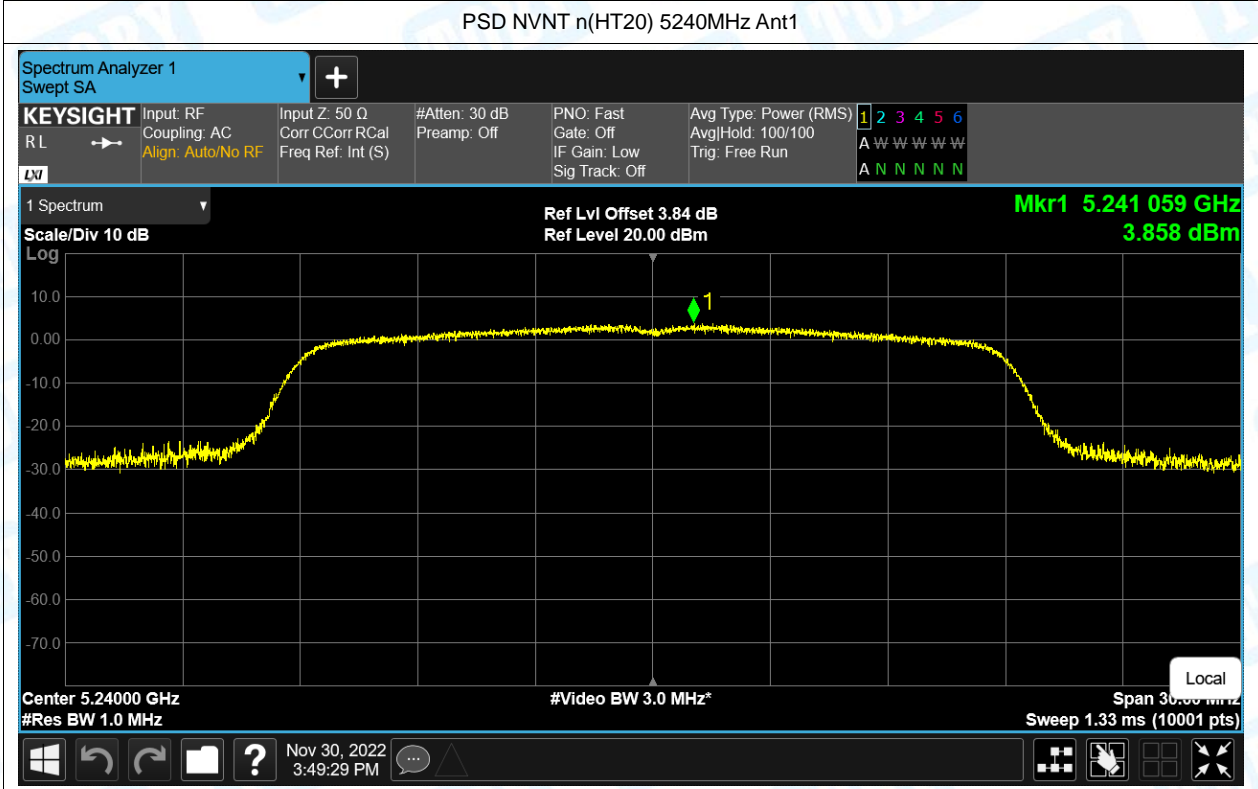
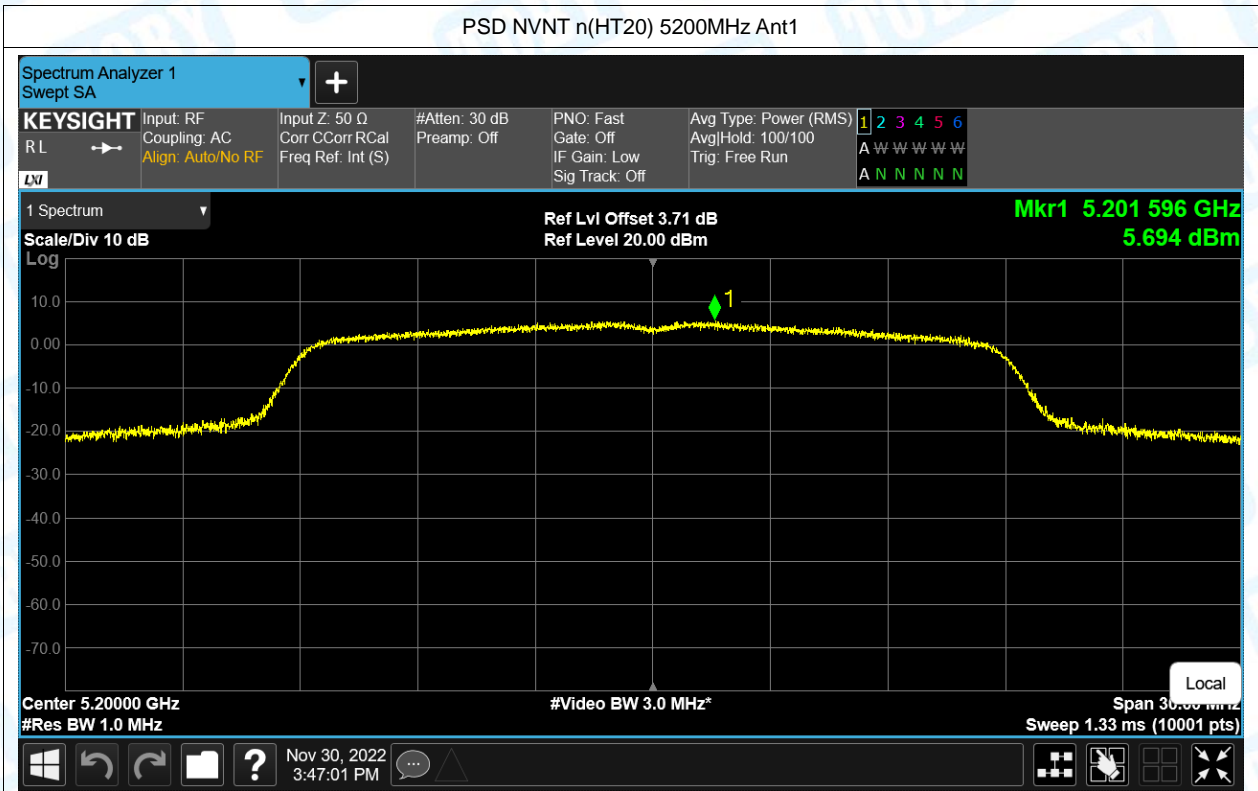


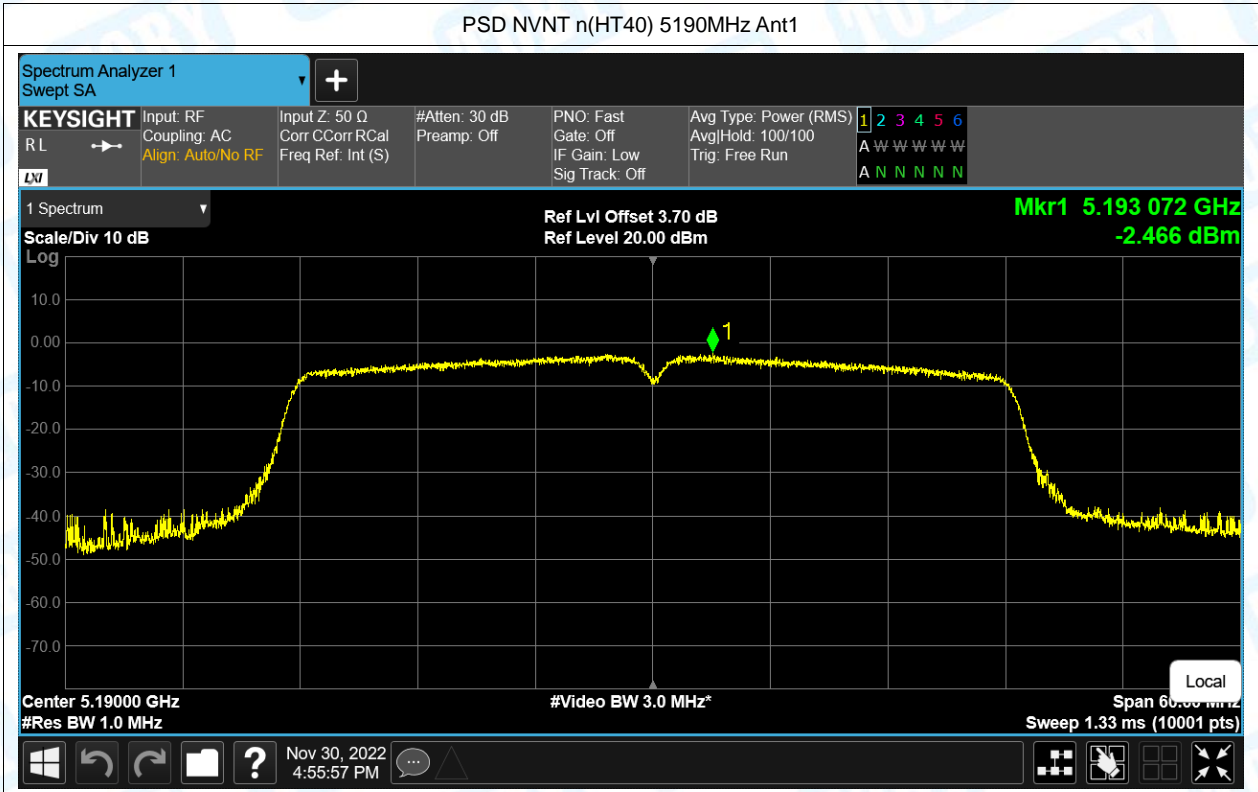










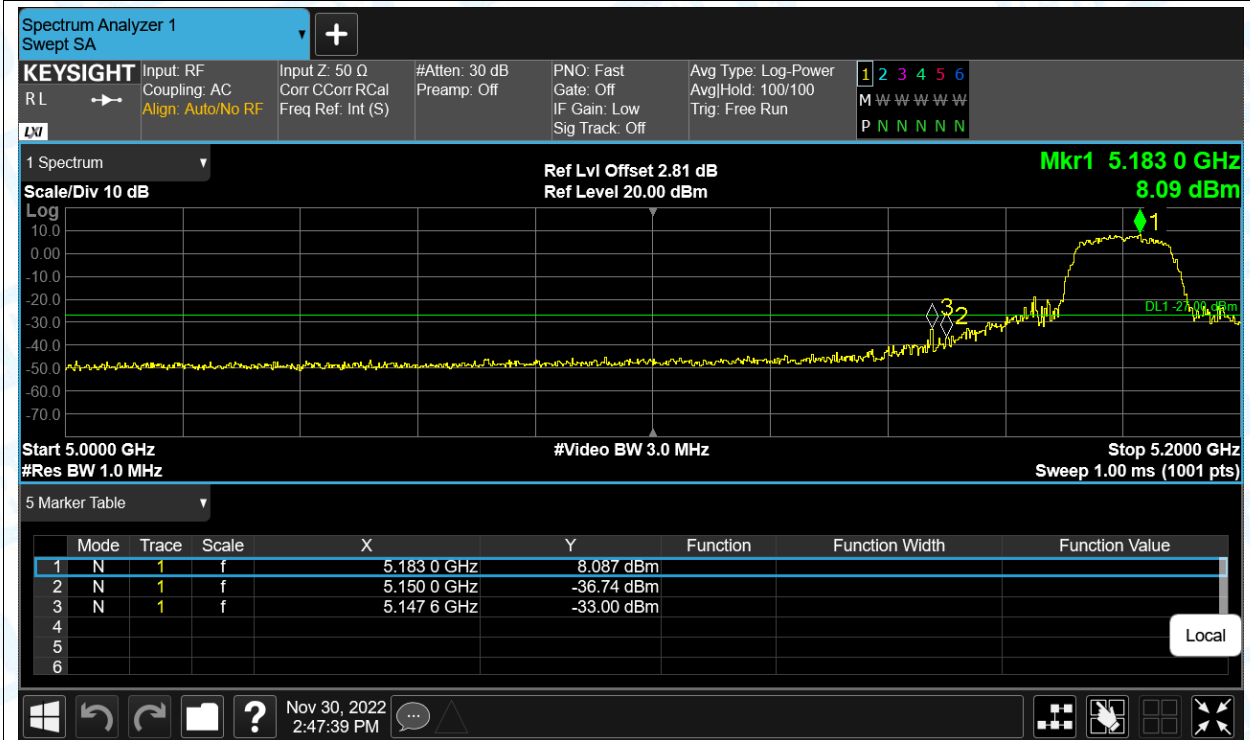


6. Band Edge

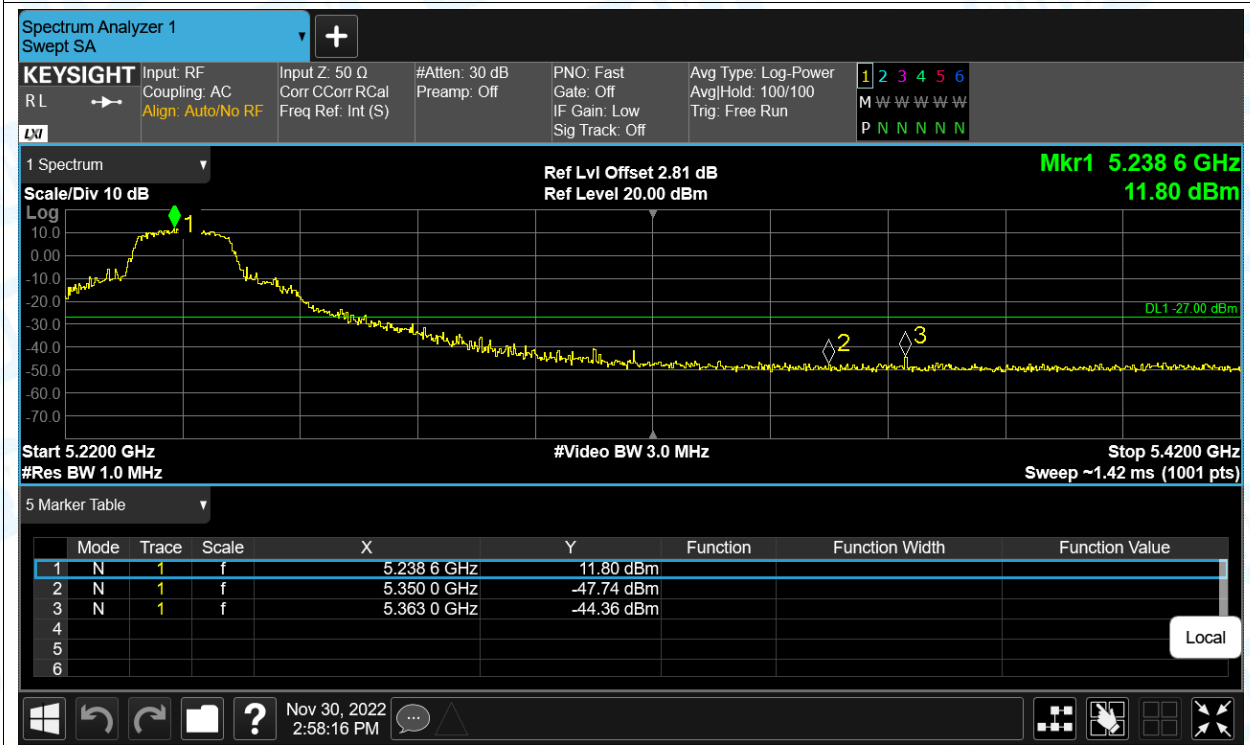
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-33	-27	Pass
NVNT	a	5240	Ant1	-44.36	-27	Pass
NVNT	ac(VHT20)	5180	Ant1	-33.21	-27	Pass
NVNT	ac(VHT20)	5240	Ant1	-46.85	-27	Pass
NVNT	ac(VHT40)	5190	Ant1	-33.19	-27	Pass
NVNT	ac(VHT40)	5230	Ant1	-45.93	-27	Pass
NVNT	ac(VHT80)	5210	Ant1	-31.7	-27	Pass
NVNT	n(HT20)	5180	Ant1	-32.18	-27	Pass
NVNT	n(HT20)	5240	Ant1	-46.13	-27	Pass
NVNT	n(HT40)	5190	Ant1	-28.82	-27	Pass
NVNT	n(HT40)	5230	Ant1	-45.62	-27	Pass

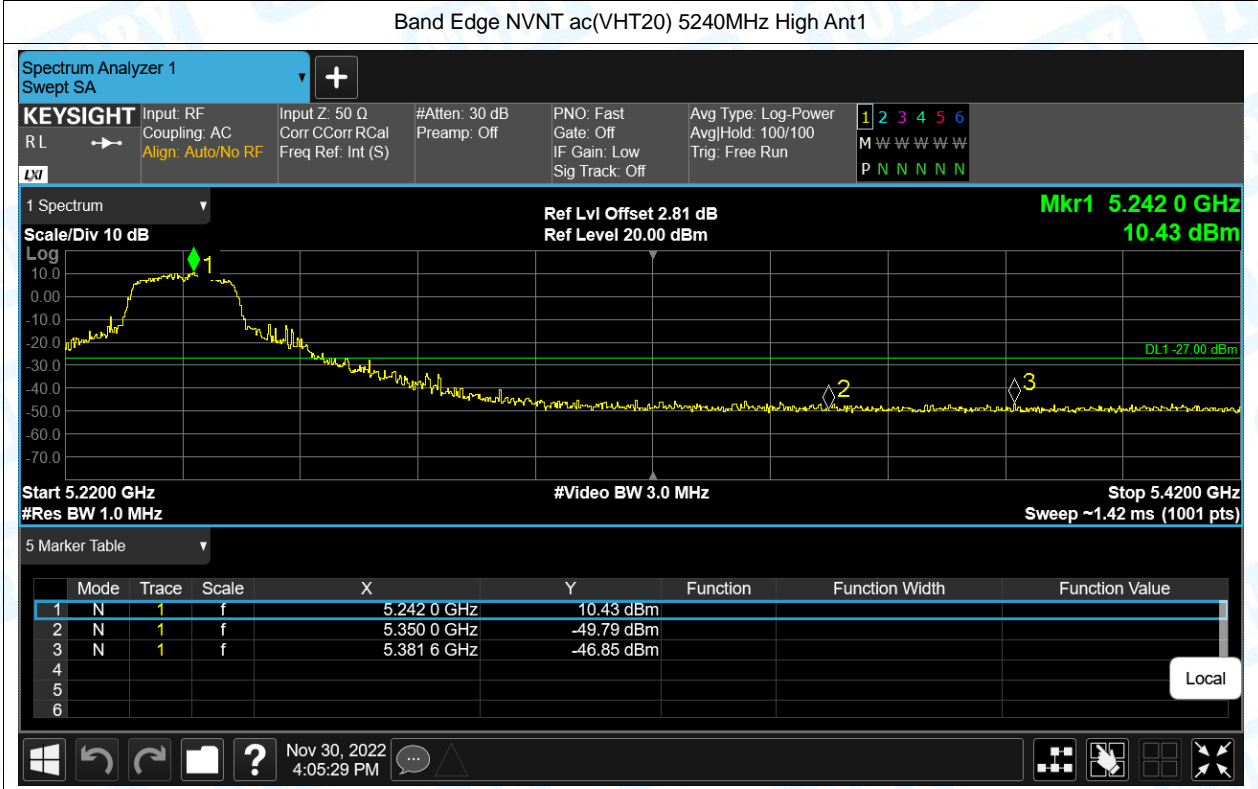
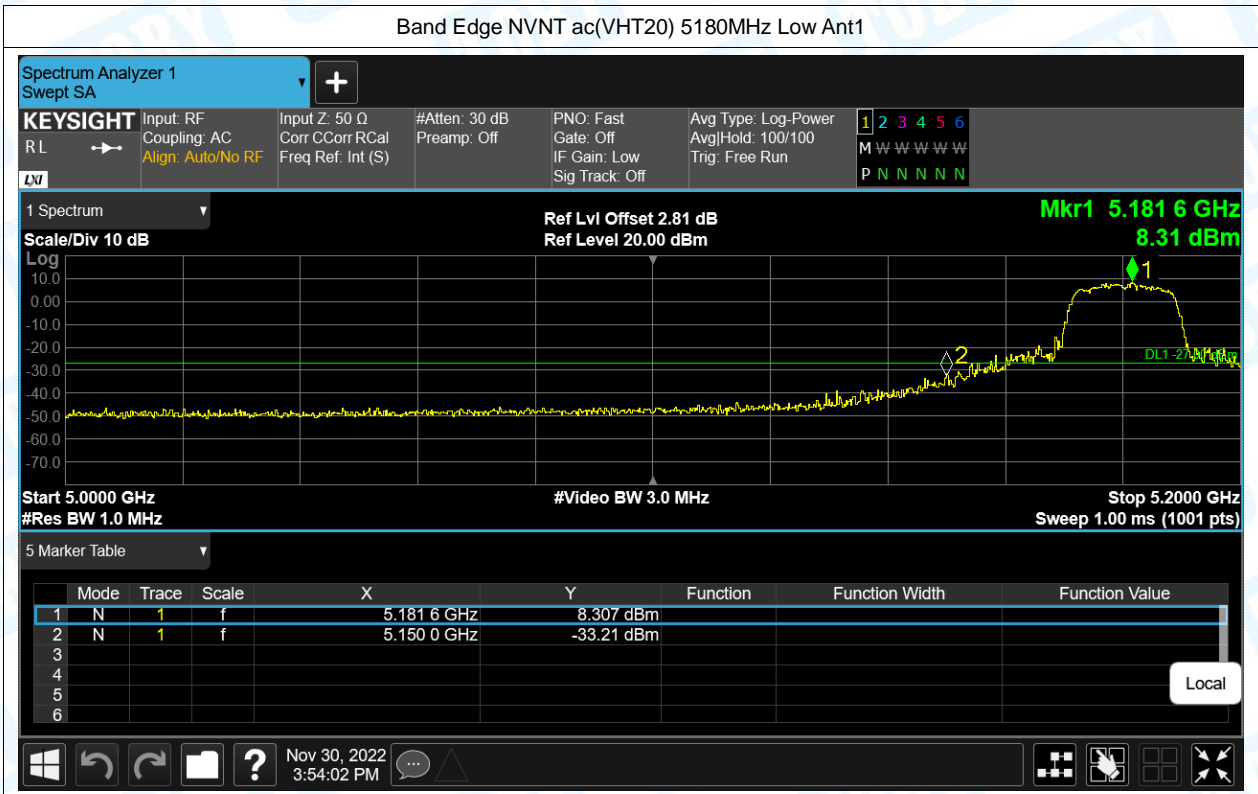
Test Graphs

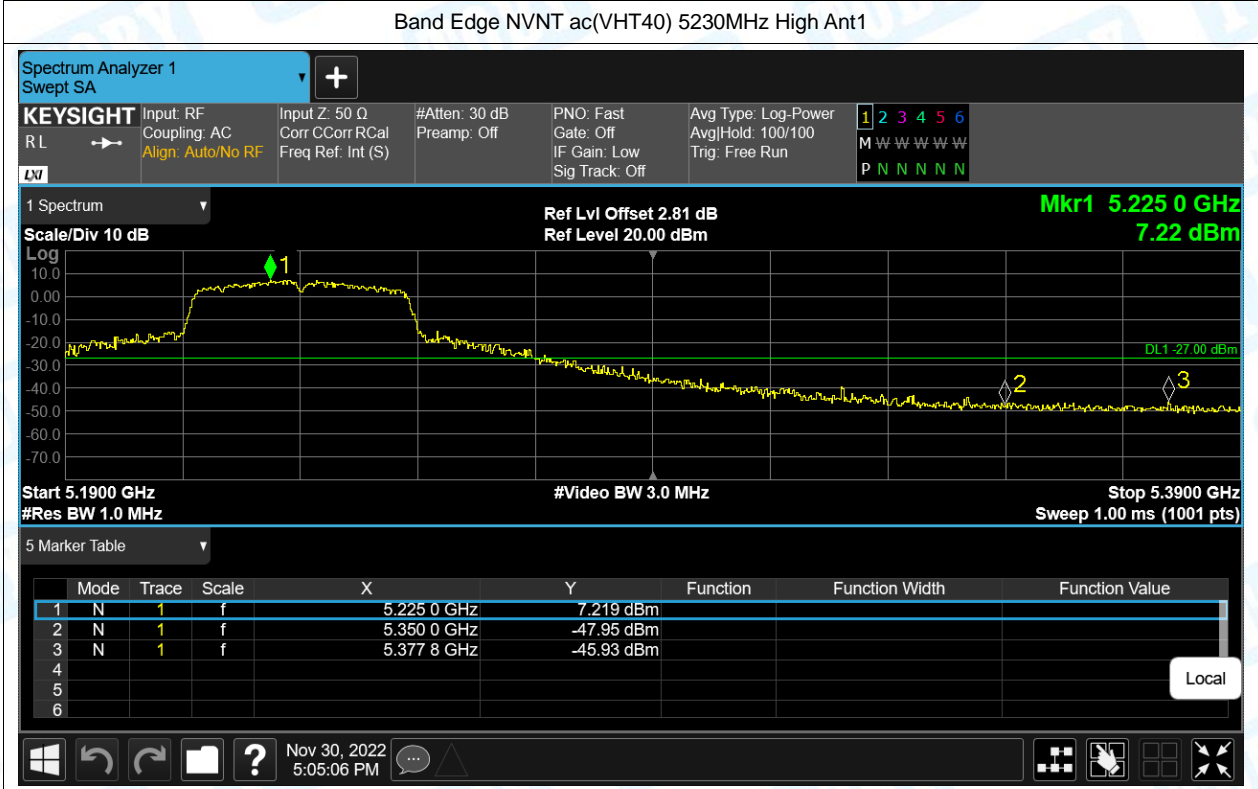
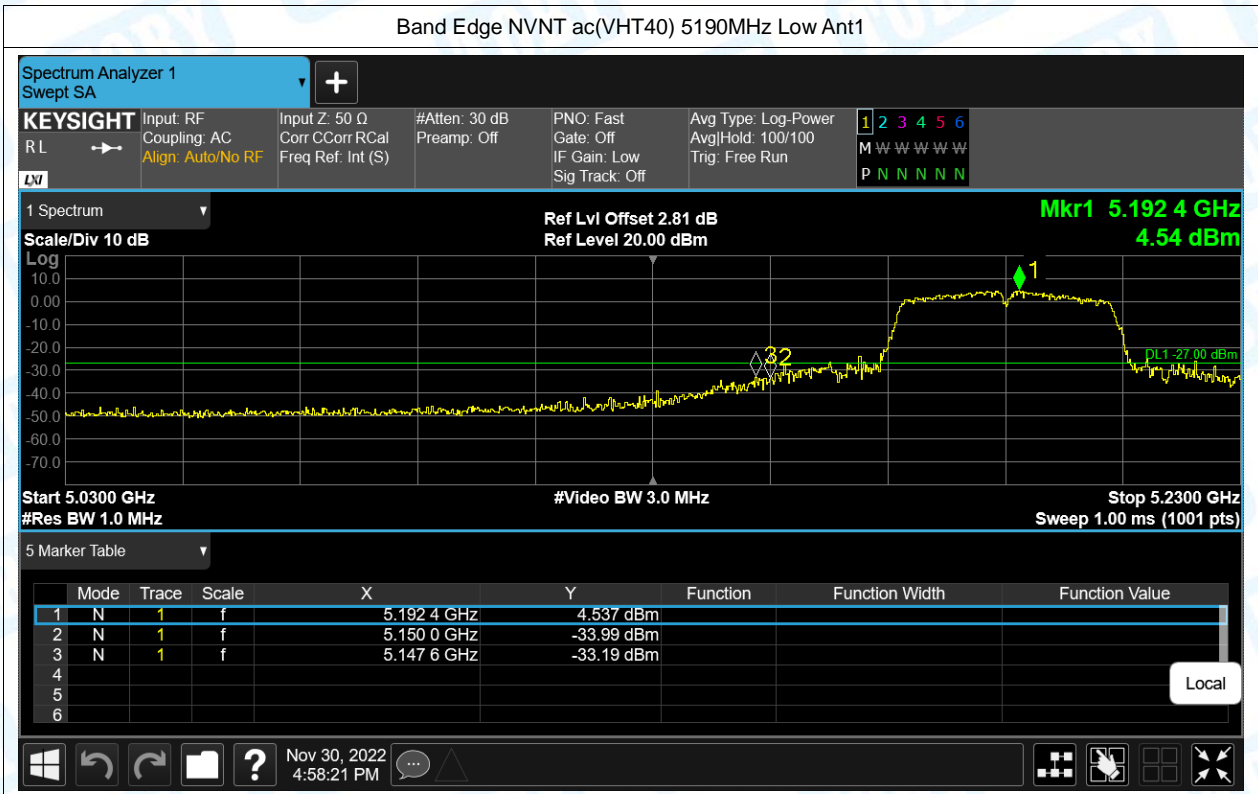
Band Edge NVNT a 5180MHz Low Ant1

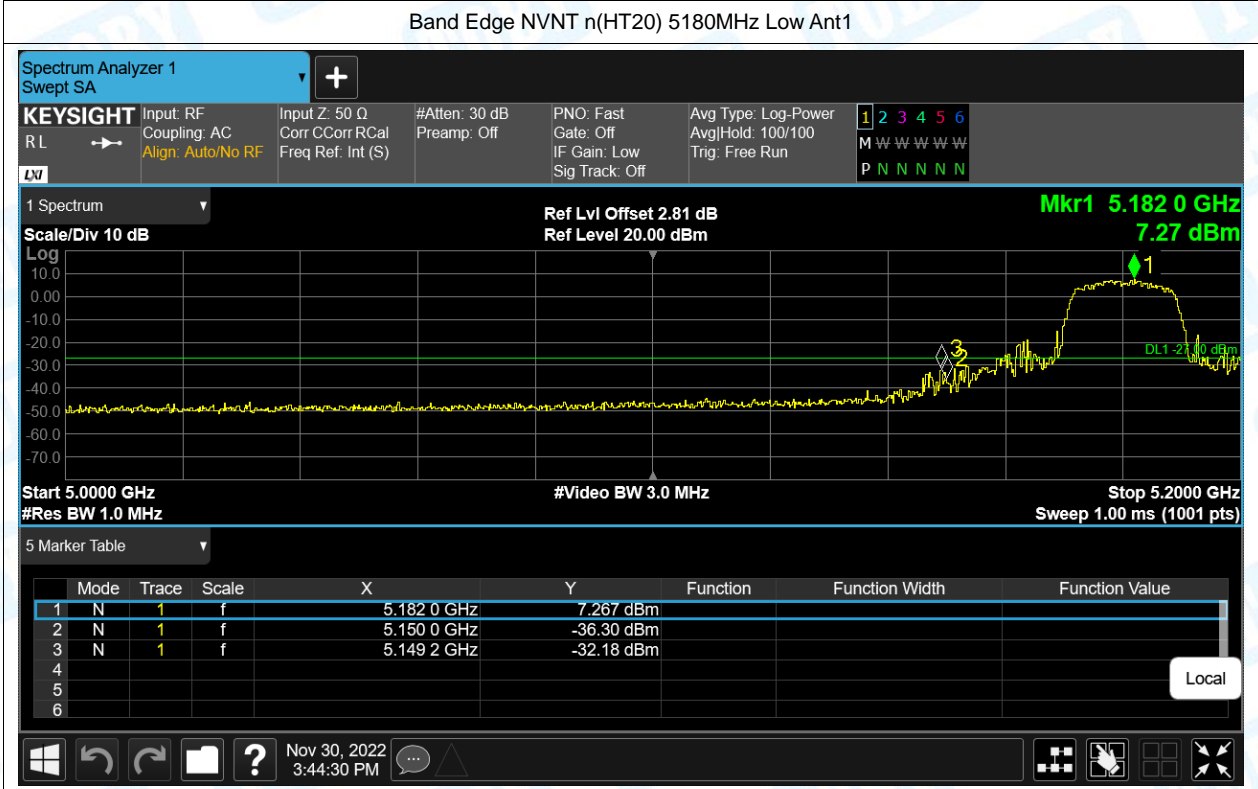
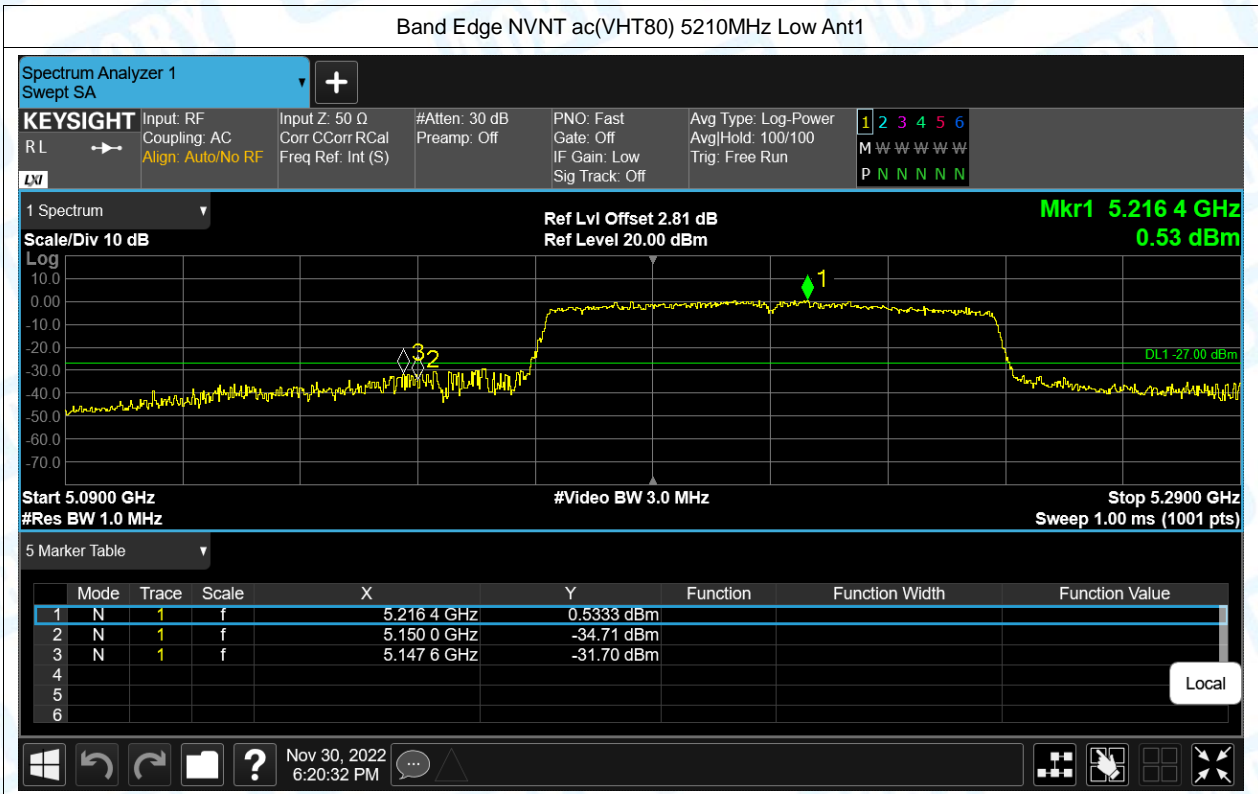


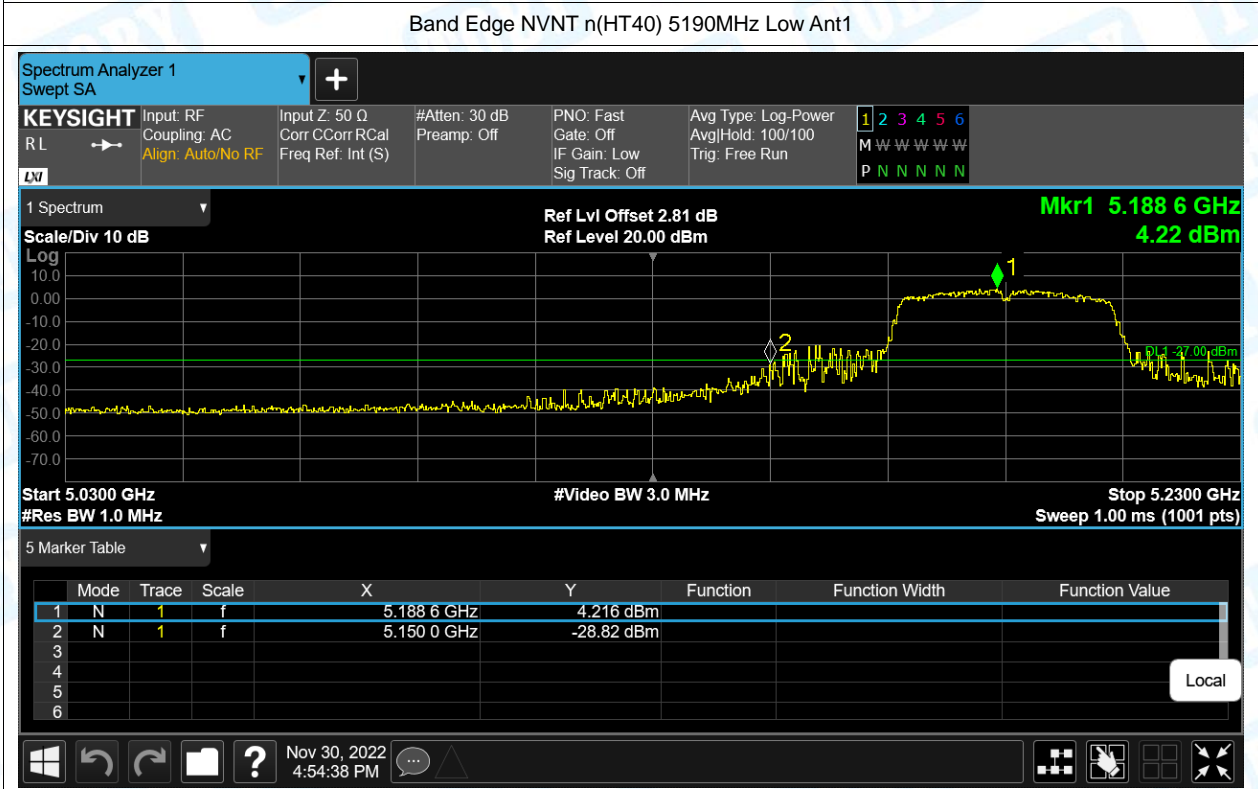
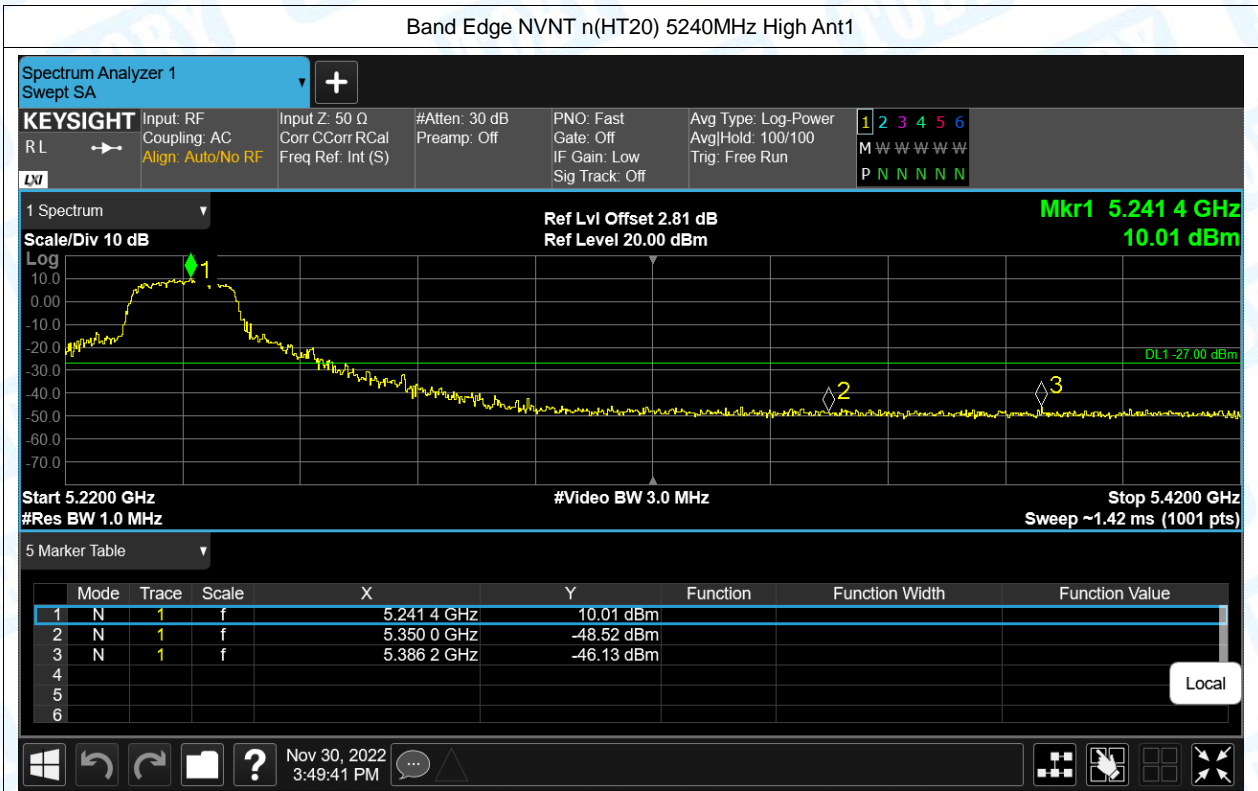
Band Edge NVNT a 5240MHz High Ant1

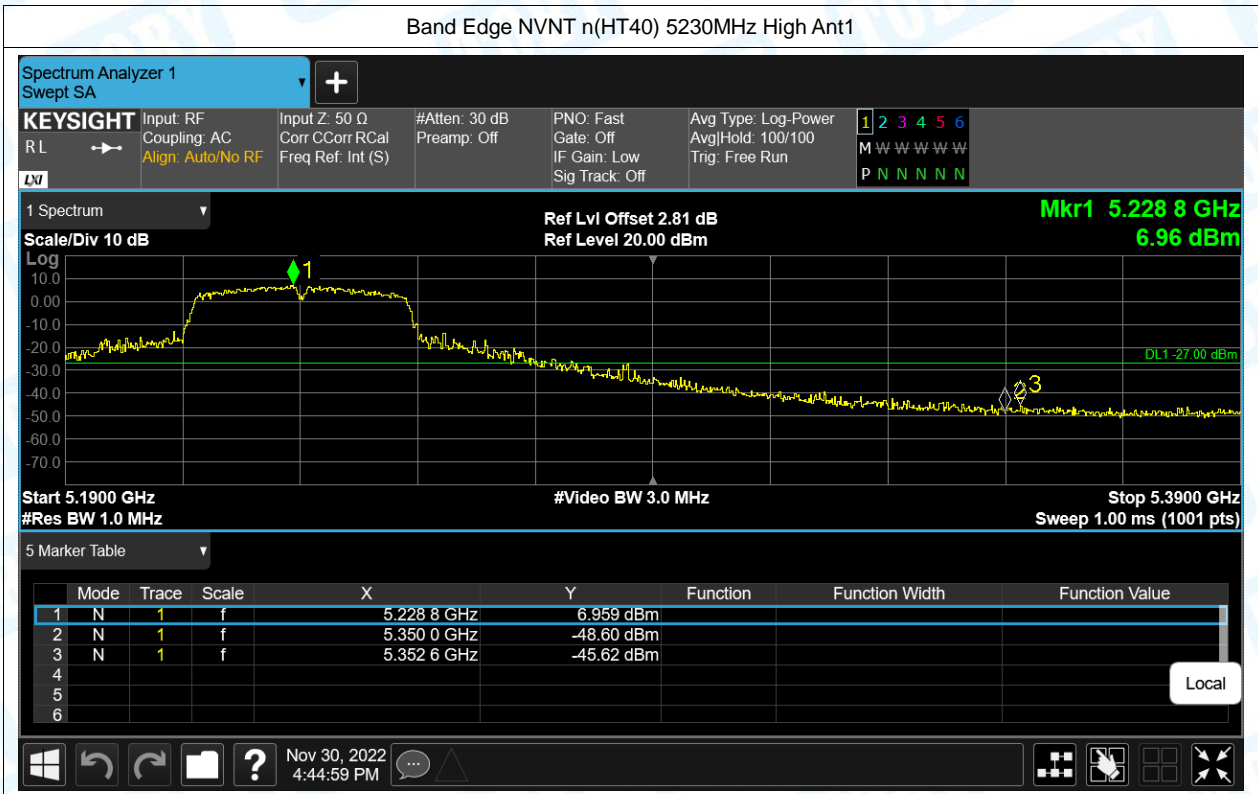






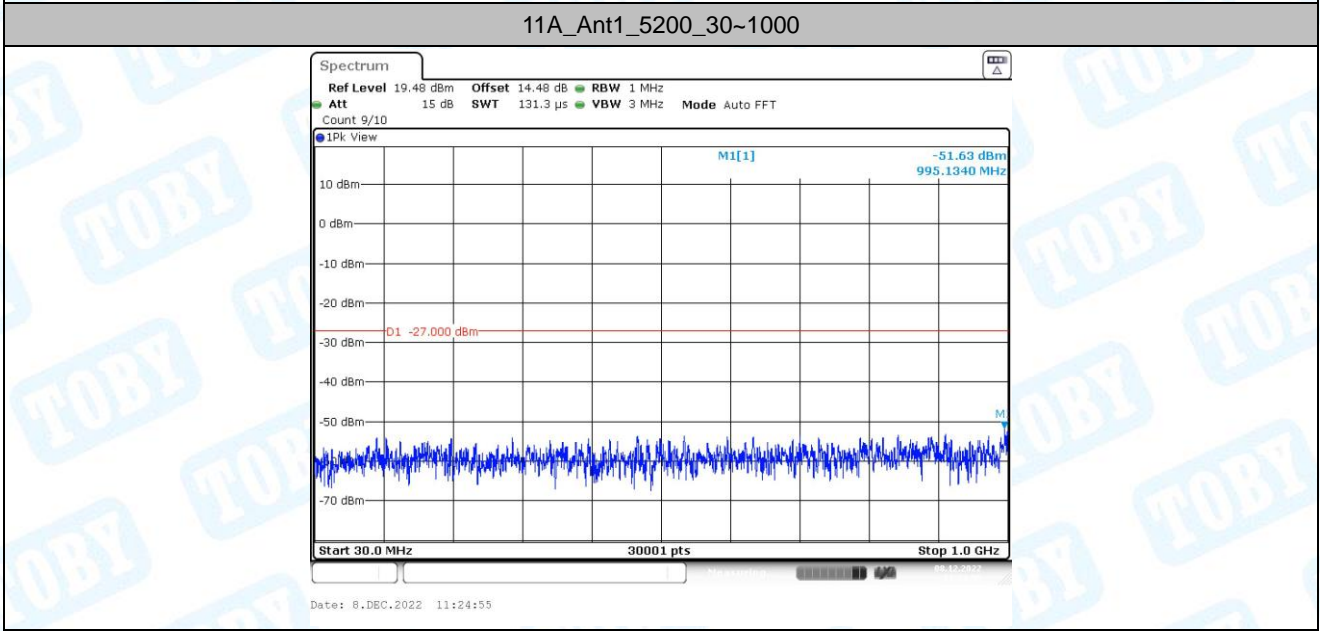
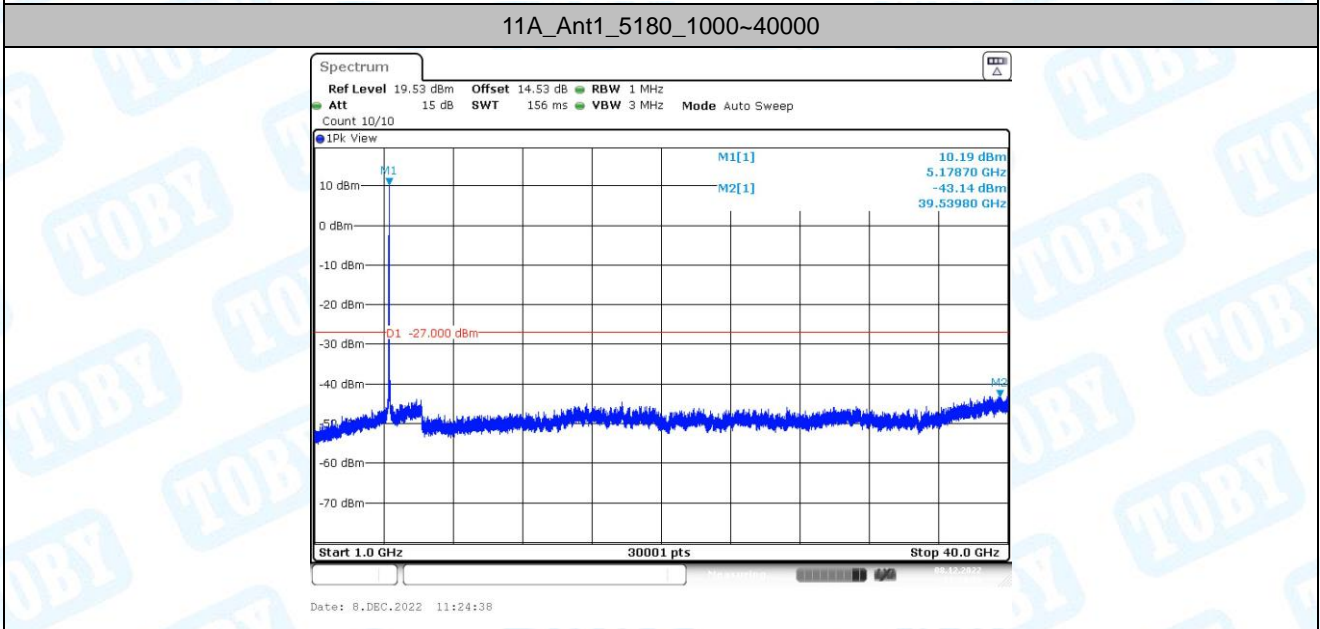
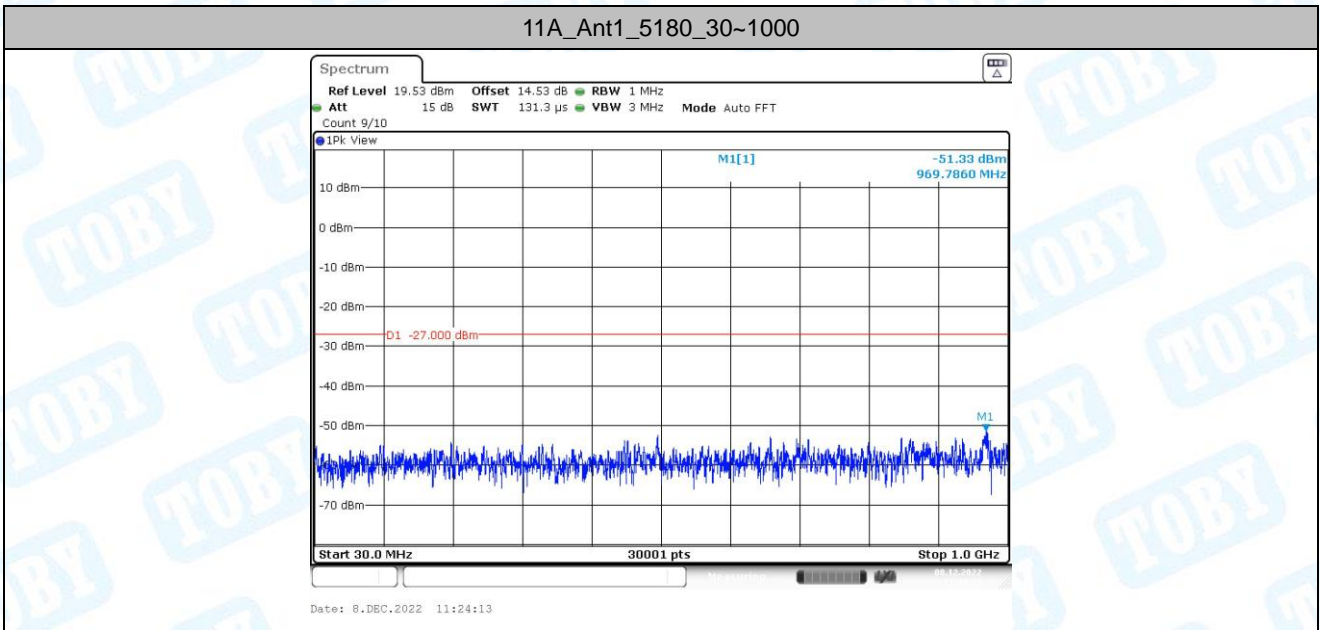




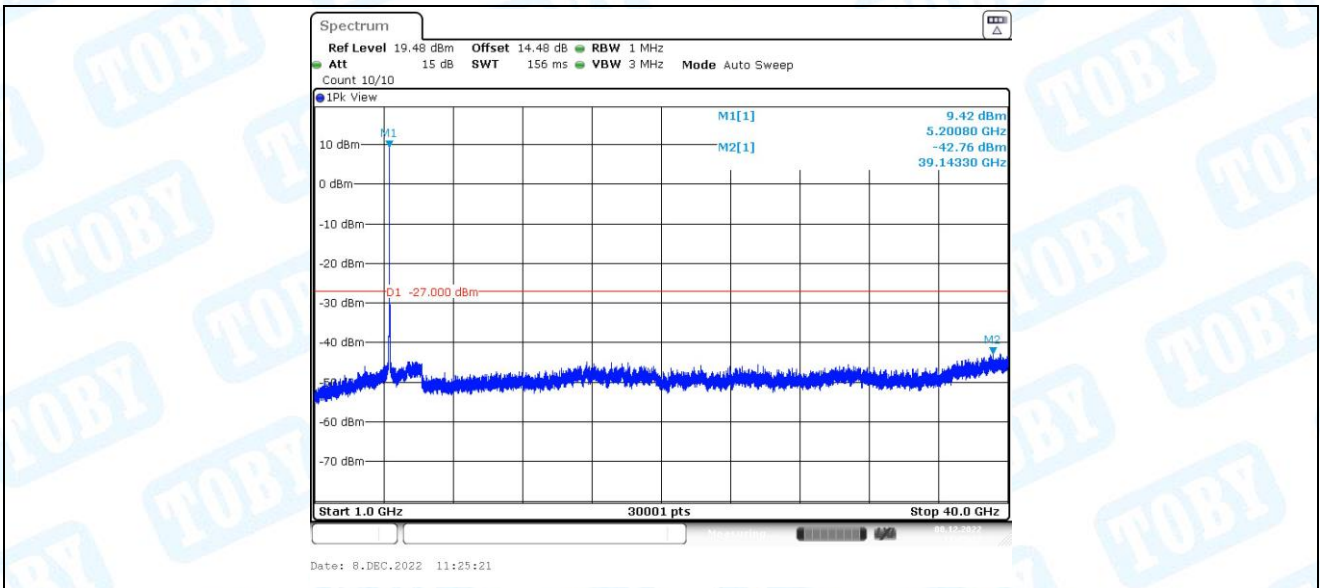


7. Conducted RF Spurious Emission

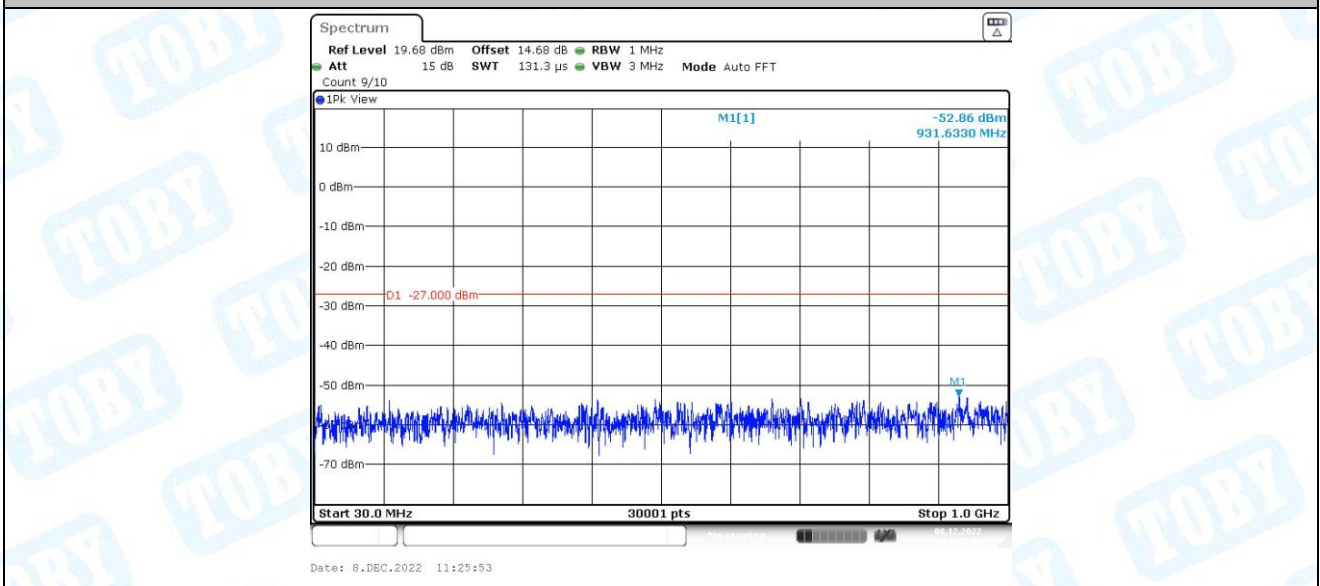
Test Mode	Antenna	Channel	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~1000	969.79	-51.33	≤-27	PASS
			1000~40000	39539.8	-43.14	≤-27	PASS
		5200	30~1000	995.13	-51.63	≤-27	PASS
			1000~40000	39143.3	-42.76	≤-27	PASS
		5240	30~1000	931.63	-52.86	≤-27	PASS
			1000~40000	39287.6	-42.78	≤-27	PASS
11N20SISO	Ant1	5180	30~1000	967.17	-49.4	≤-27	PASS
			1000~40000	39087.4	-42.66	≤-27	PASS
		5200	30~1000	654.35	-52.35	≤-27	PASS
			1000~40000	38623.3	-42.77	≤-27	PASS
		5240	30~1000	643.68	-52.24	≤-27	PASS
			1000~40000	39675	-42.18	≤-27	PASS
11N40SISO	Ant1	5190	30~1000	848.93	-52.38	≤-27	PASS
			1000~40000	39028.9	-43	≤-27	PASS
		5230	30~1000	762.31	-52.01	≤-27	PASS
			1000~40000	39126.4	-42.41	≤-27	PASS
11AC20SISO	Ant1	5180	30~1000	938.68	-51.66	≤-27	PASS
			1000~40000	6911.1	-42.44	≤-27	PASS
		5200	30~1000	999.24	-52.16	≤-27	PASS
			1000~40000	39459.2	-42.47	≤-27	PASS
		5240	30~1000	891.77	-52.3	≤-27	PASS
			1000~40000	38940.5	-42.28	≤-27	PASS
11AC40SISO	Ant1	5190	30~1000	898.04	-52.67	≤-27	PASS
			1000~40000	39590.5	-42.24	≤-27	PASS
		5230	30~1000	963.38	-52.49	≤-27	PASS
			1000~40000	39372.1	-42.45	≤-27	PASS
11AC80SISO	Ant1	5210	30~1000	636.02	-52.21	≤-27	PASS
			1000~40000	39979.2	-42.07	≤-27	PASS



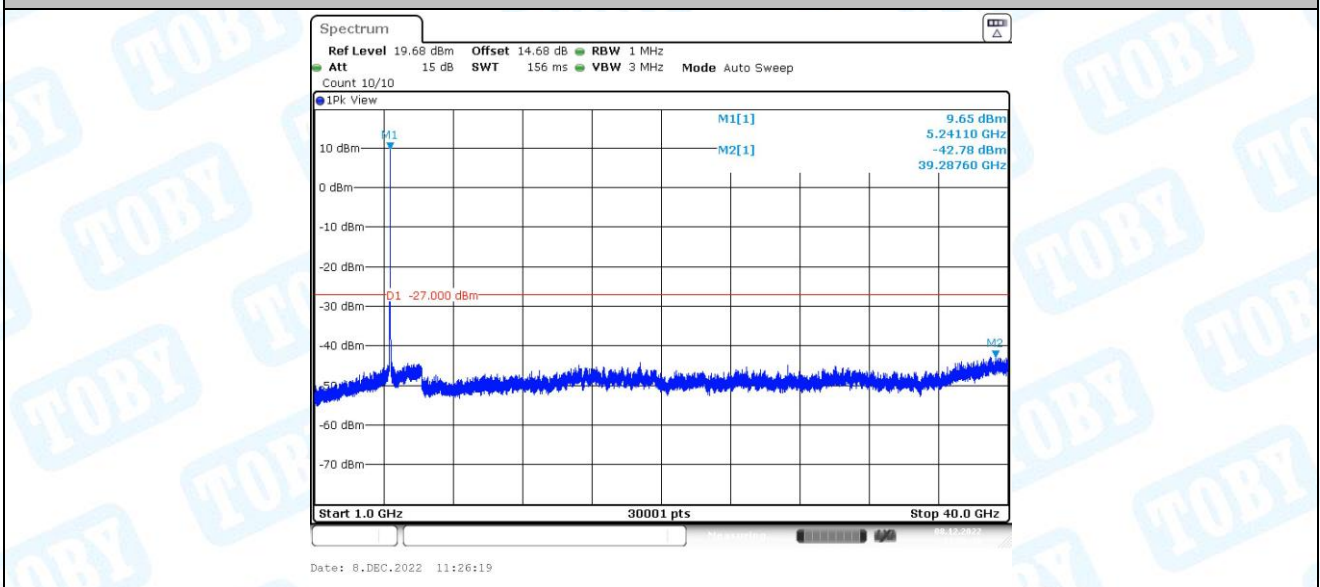
11A_Ant1_5200_1000~40000



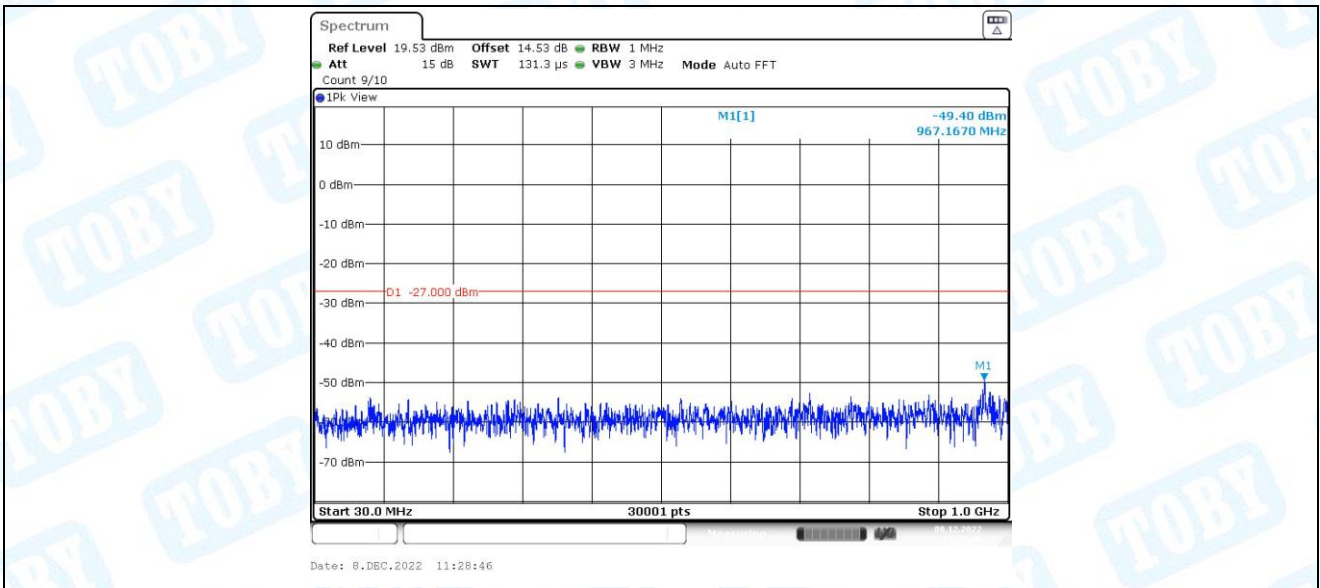
11A_Ant1_5240_30~1000



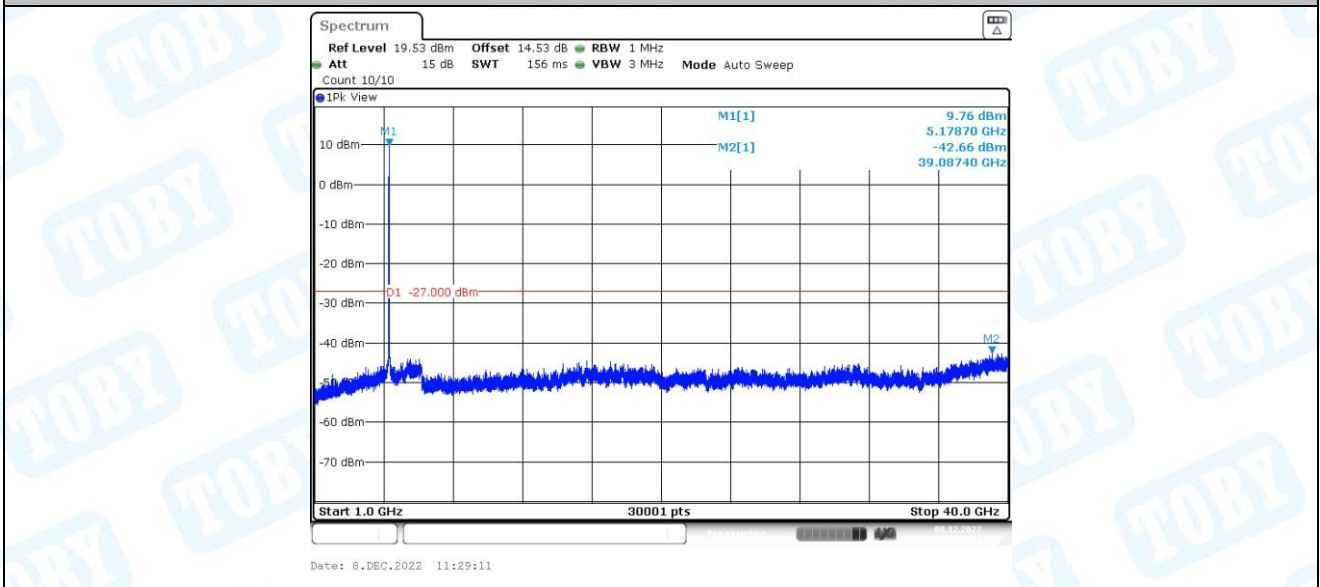
11A_Ant1_5240_1000~40000



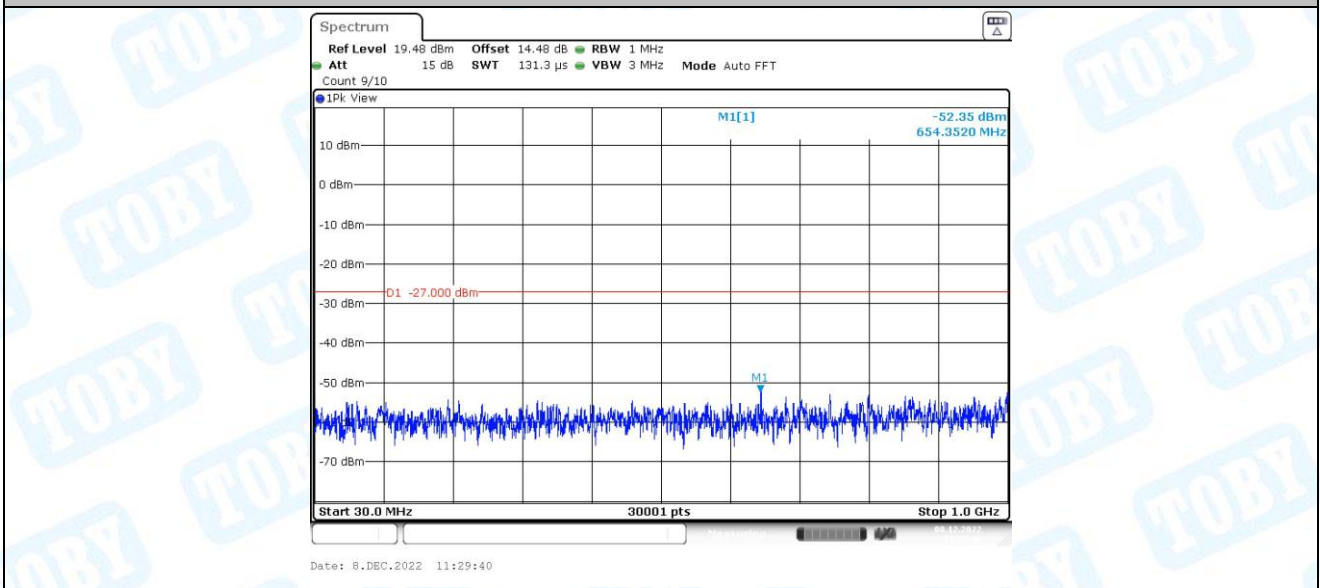
11N20SISO_Ant1_5180_30~1000



11N20SISO_Ant1_5180_1000~40000



11N20SISO_Ant1_5200_30~1000



11N20SISO_Ant1_5200_1000~40000