

RF Test Data for Bluetooth(BDR+EDR) (Conducted Measurements)

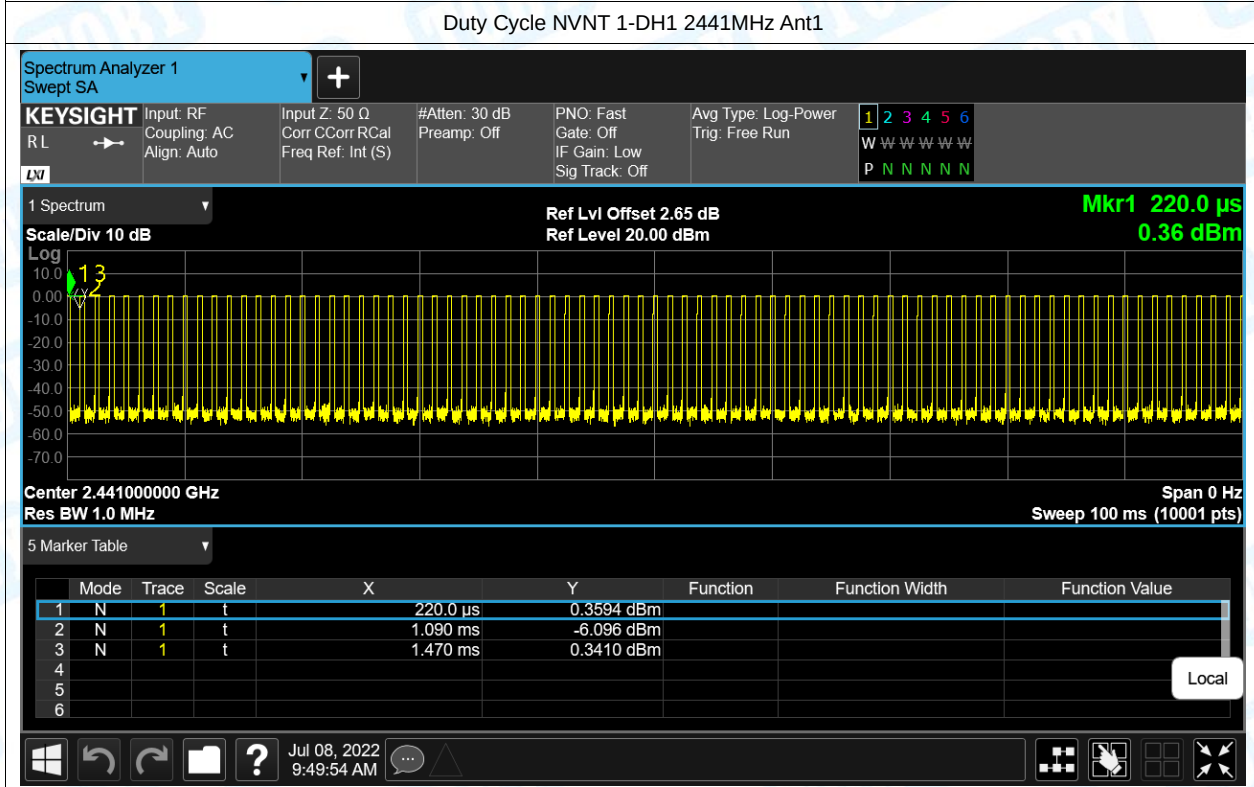
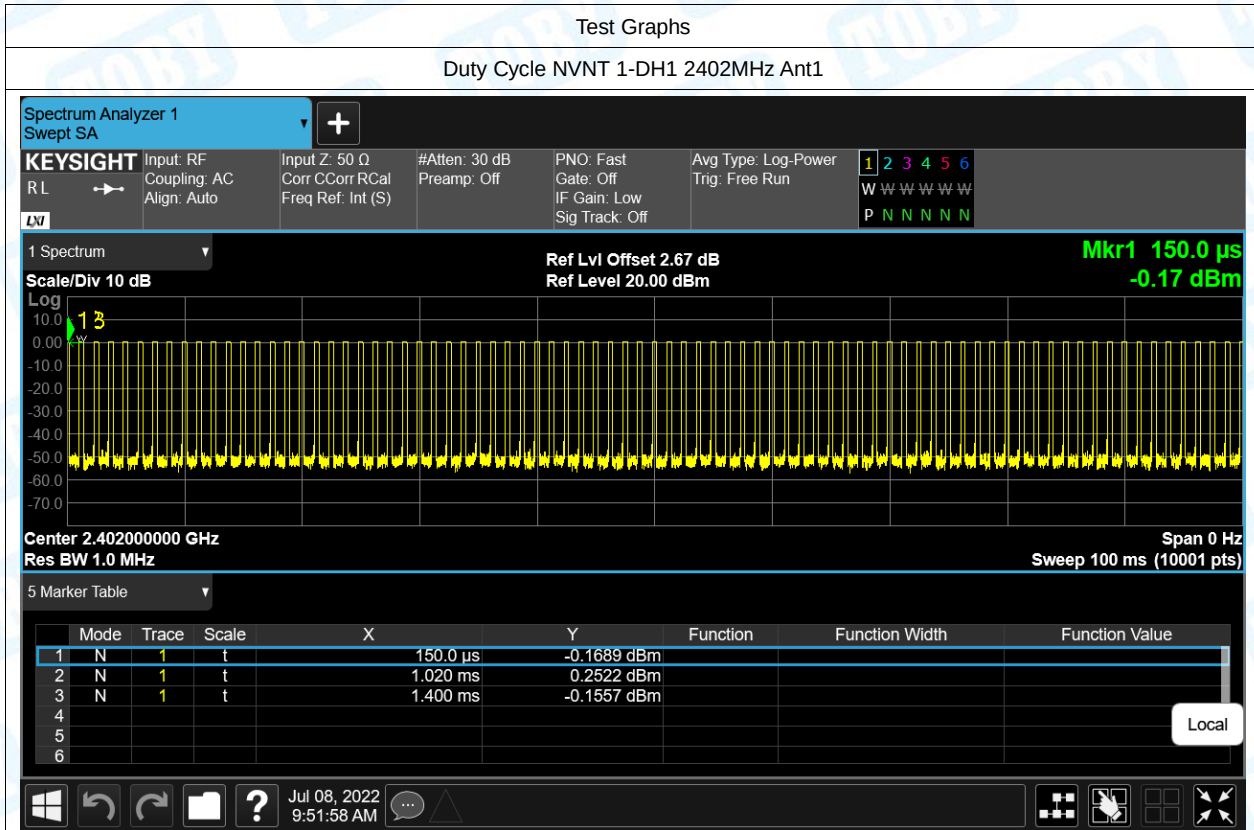
General Description of EUT	
Product Name:	Presto G2
Test Model:	Presto G2
Sample ID:	202206-0362-01-02
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 7.4V
Test Engineer:	Huangjianping
Note: For a more detailed features description, please refer to the report TBR-C-202206-0362-8	

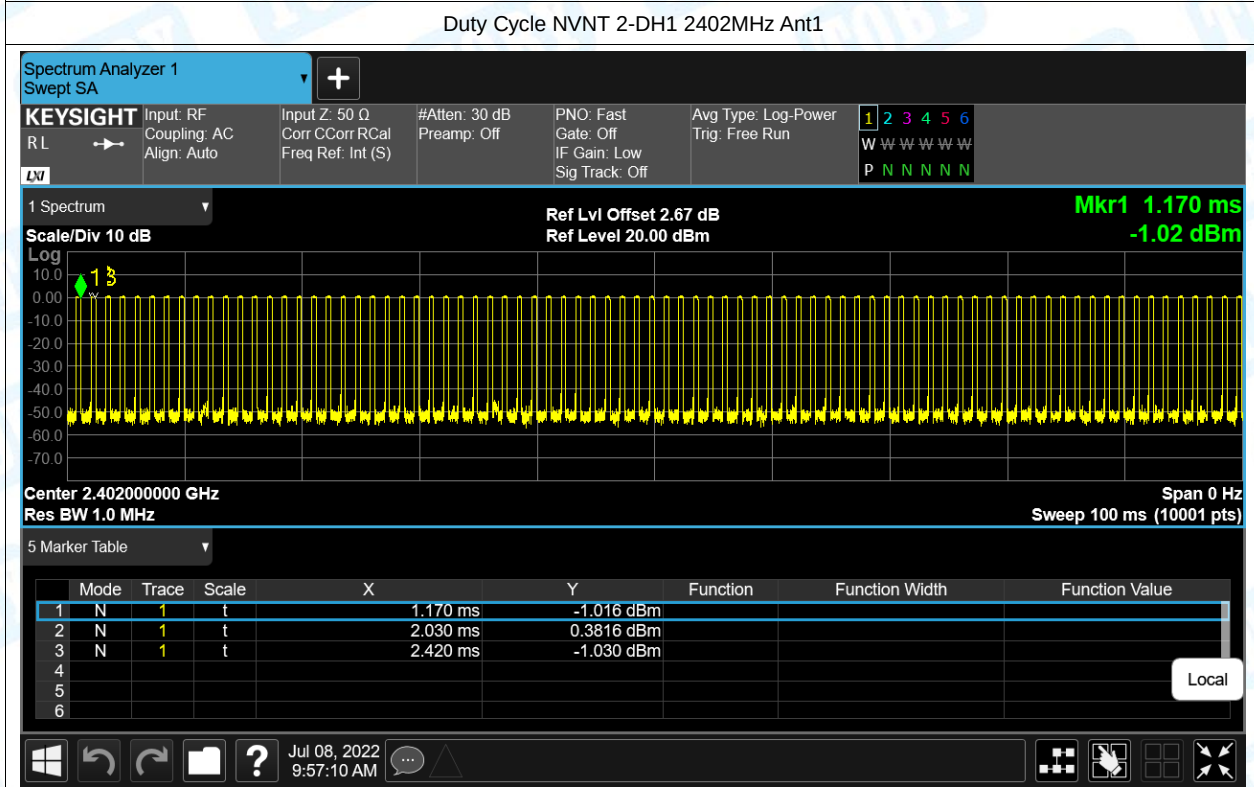
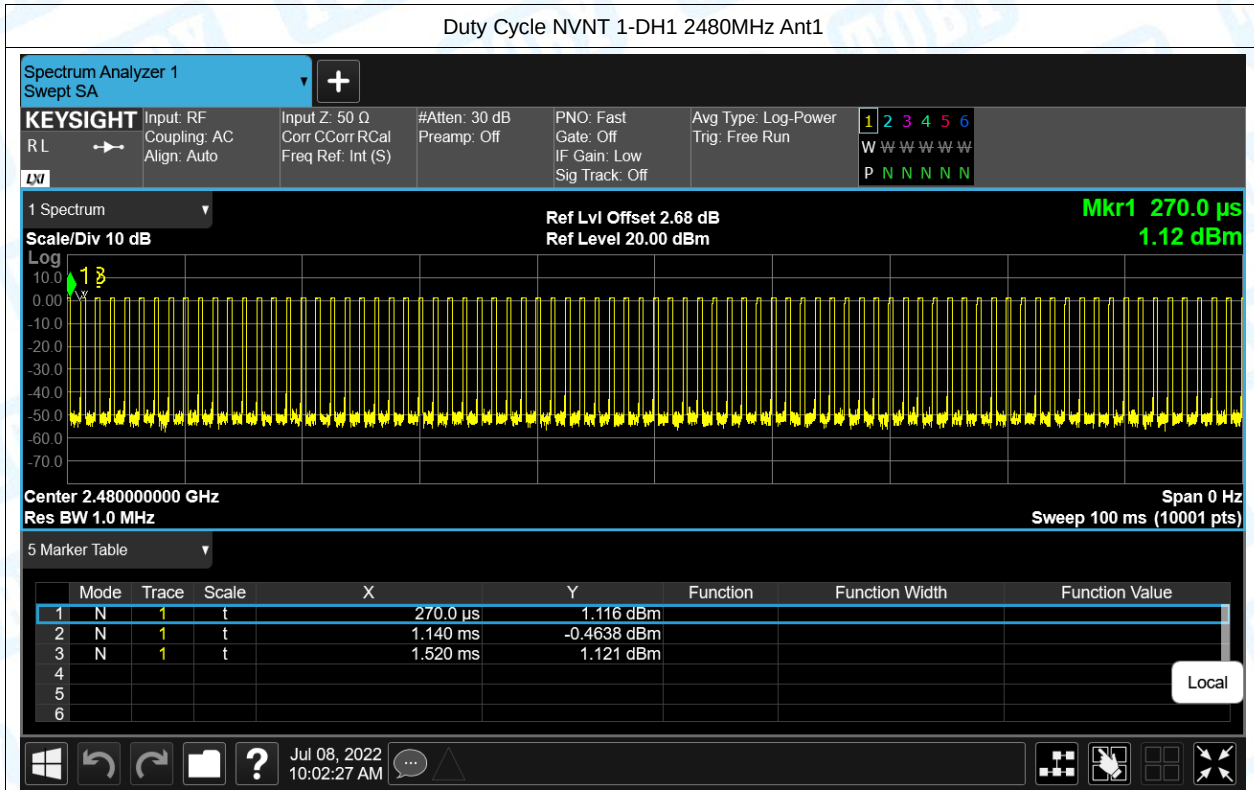
Contents

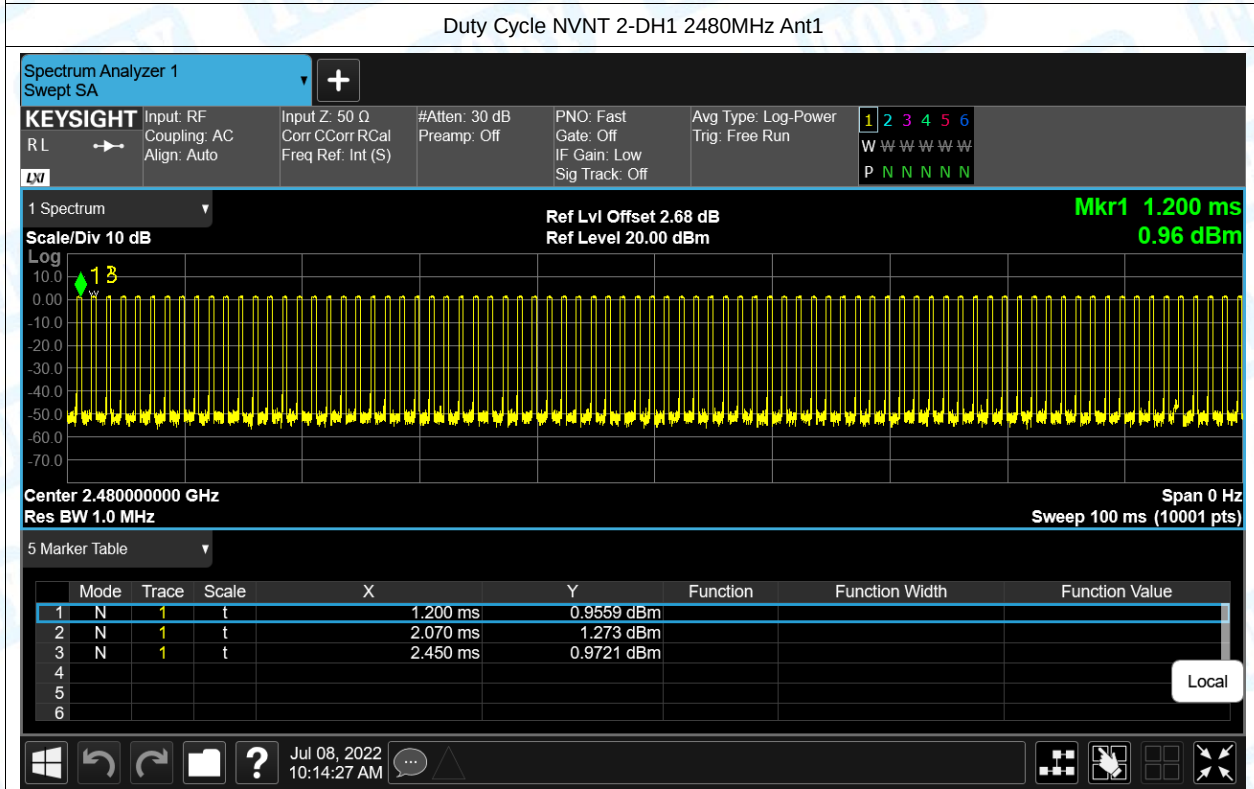
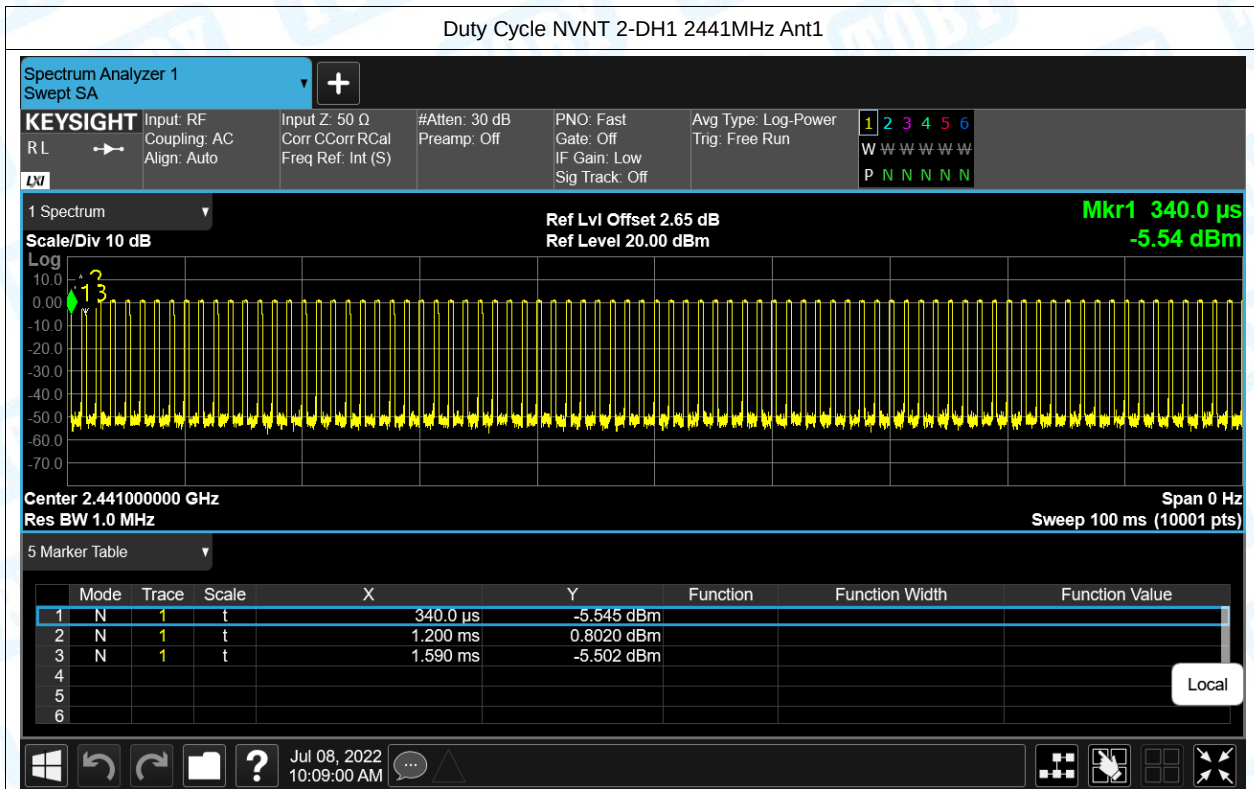
1. Duty Cycle.....	3
2. Maximum Conducted Output Power	7
3. -20dB Bandwidth	11
4. Occupied Channel Bandwidth	15
5. Band Edge	19
6. Band Edge(Hopping).....	24
7. Conducted RF Spurious Emission	29
8. Restrict Band	36
9. Carrier Frequencies Separation.....	41
10. Number of Hopping Channel	43
11. Dwell Time.....	45

1. Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	31.21	5.06	2.63
NVNT	1-DH1	2441	Ant1	31.21	5.06	2.63
NVNT	1-DH1	2480	Ant1	31.21	5.06	2.63
NVNT	2-DH1	2402	Ant1	32	4.95	2.56
NVNT	2-DH1	2441	Ant1	32.01	4.95	2.56
NVNT	2-DH1	2480	Ant1	31.2	5.06	2.63

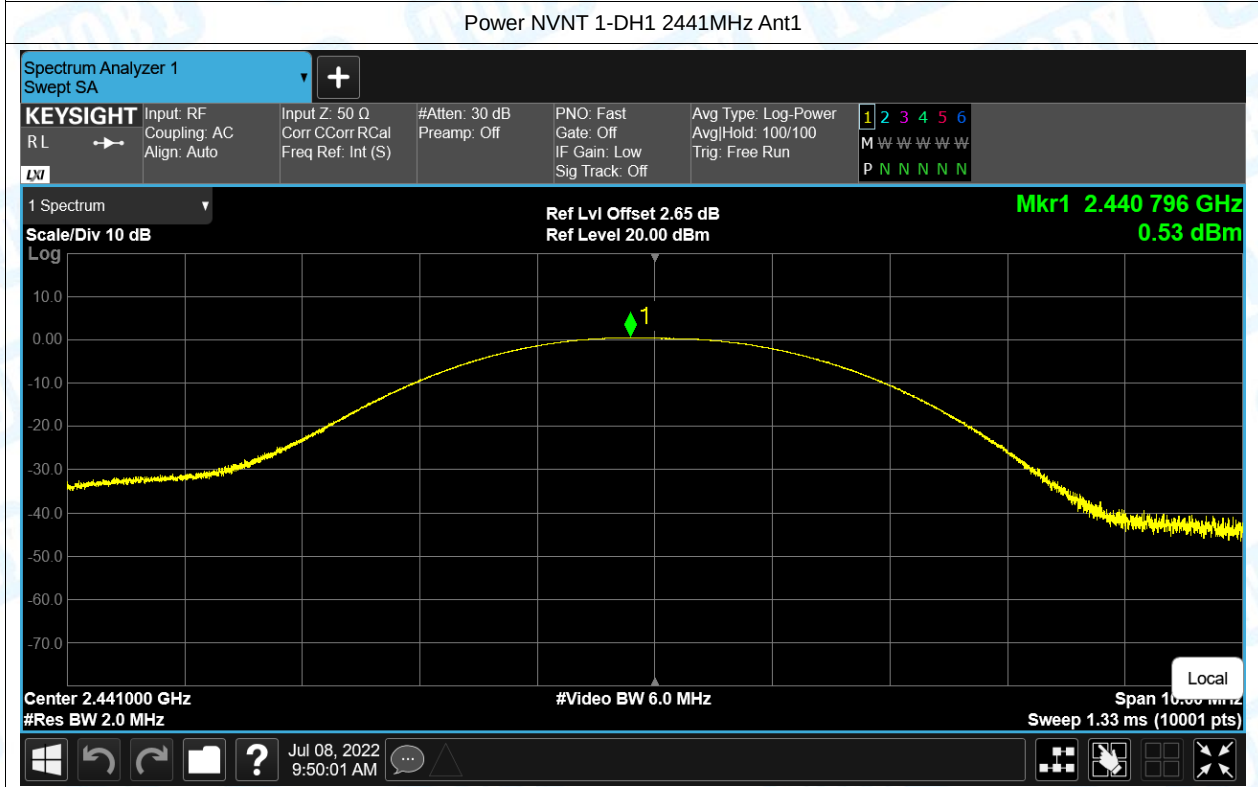
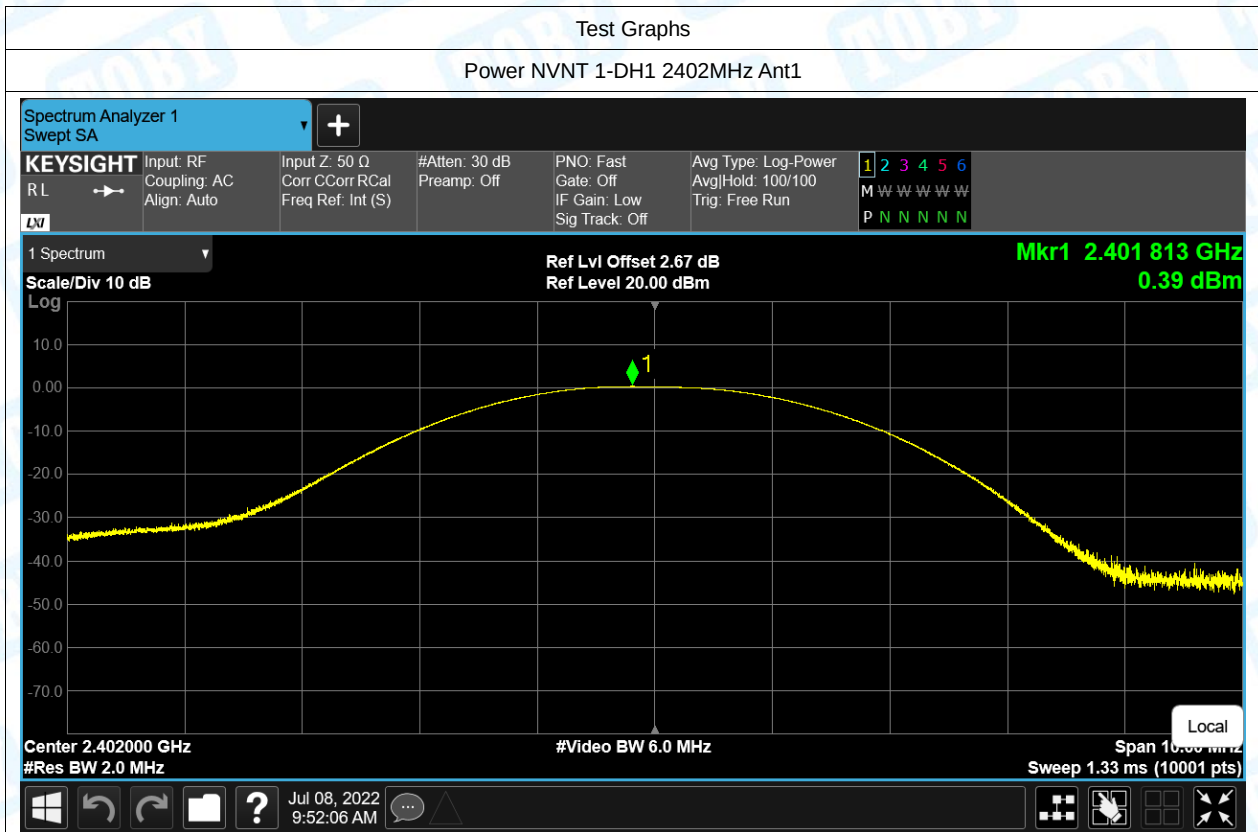


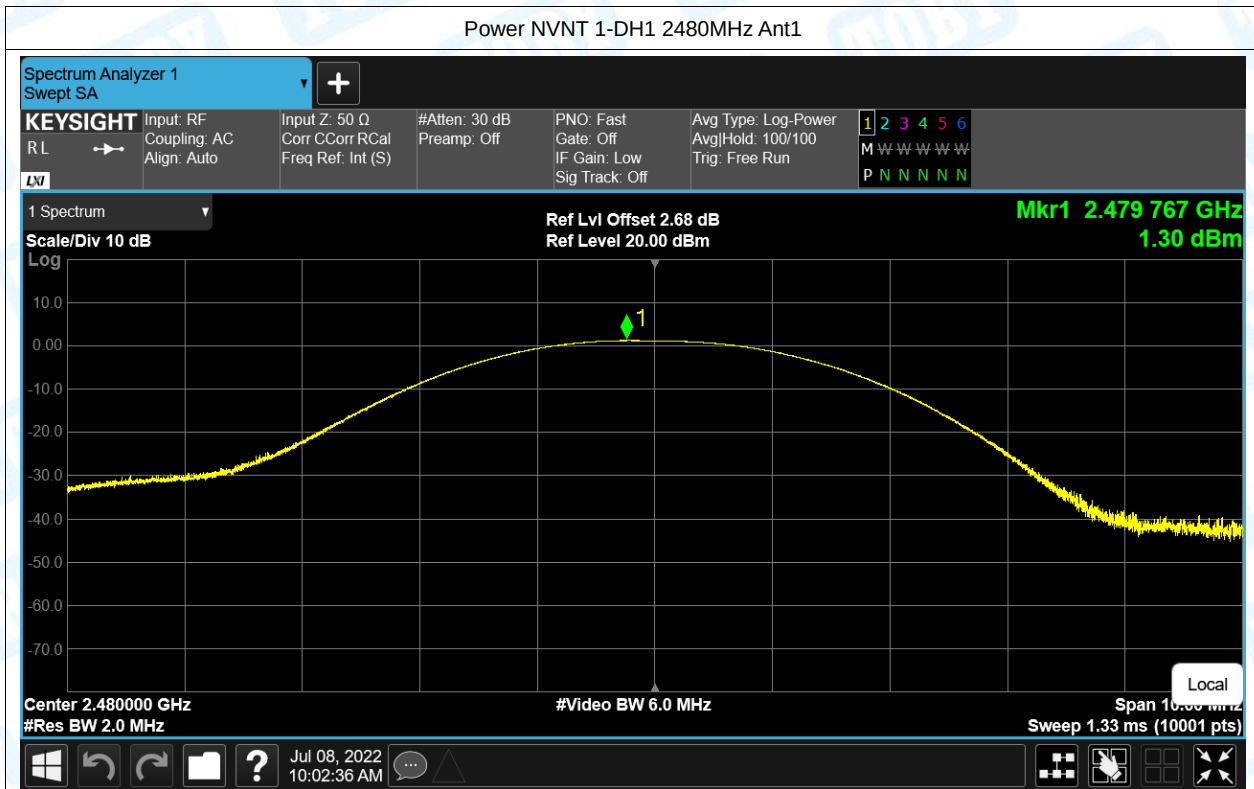


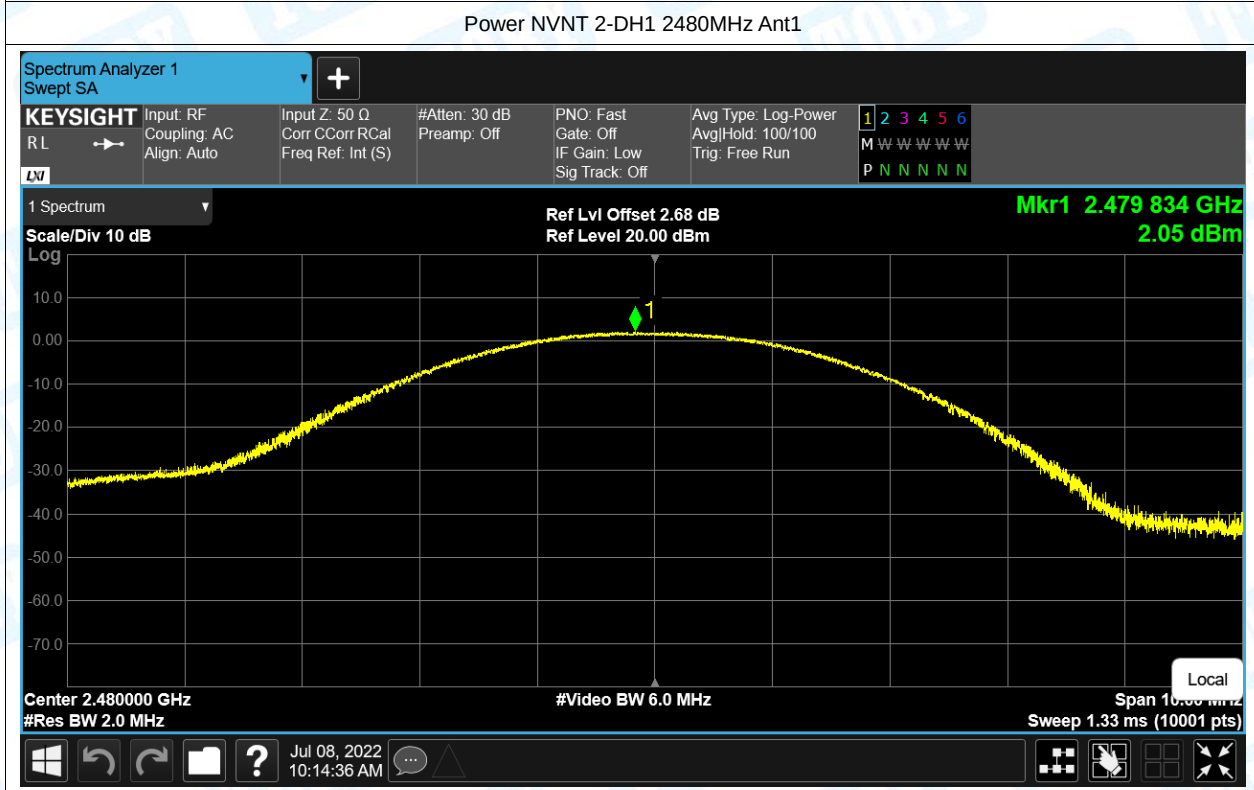


2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	0.387	21	Pass
NVNT	1-DH1	2441	Ant1	0.535	21	Pass
NVNT	1-DH1	2480	Ant1	1.299	21	Pass
NVNT	2-DH1	2402	Ant1	1.182	21	Pass
NVNT	2-DH1	2441	Ant1	1.613	21	Pass
NVNT	2-DH1	2480	Ant1	2.048	21	Pass





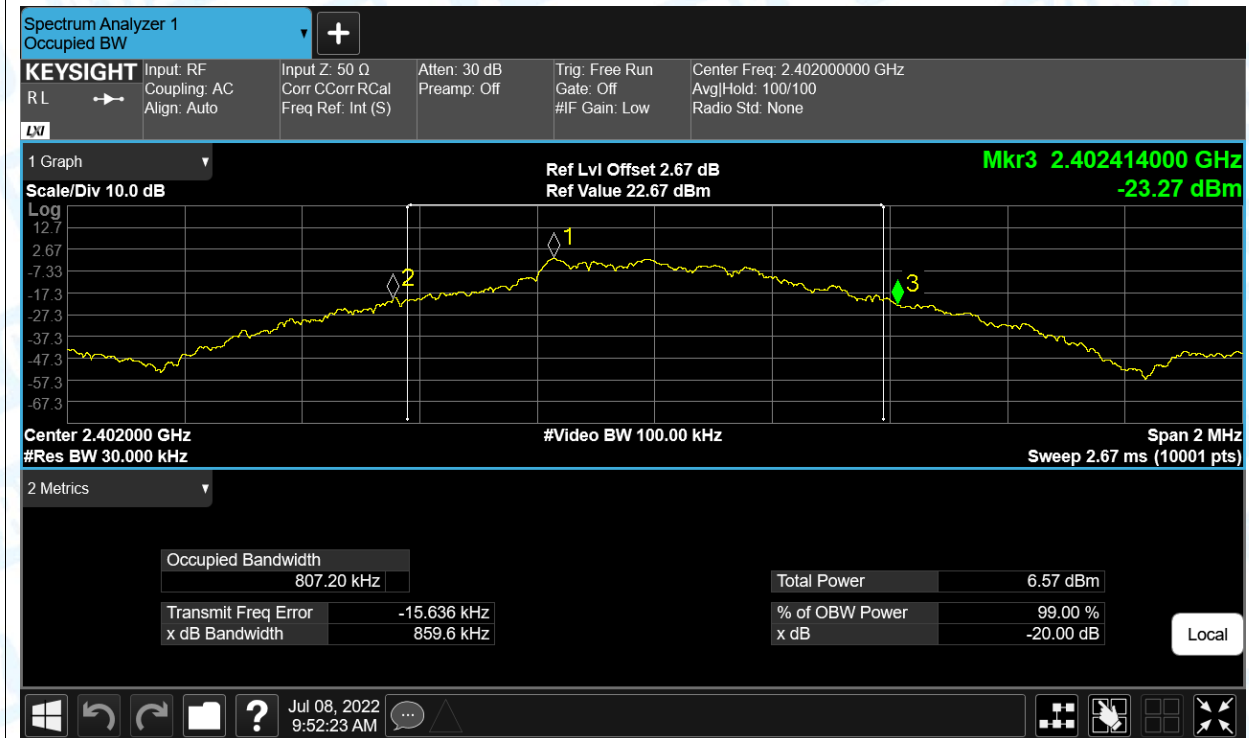


3. -20dB Bandwidth

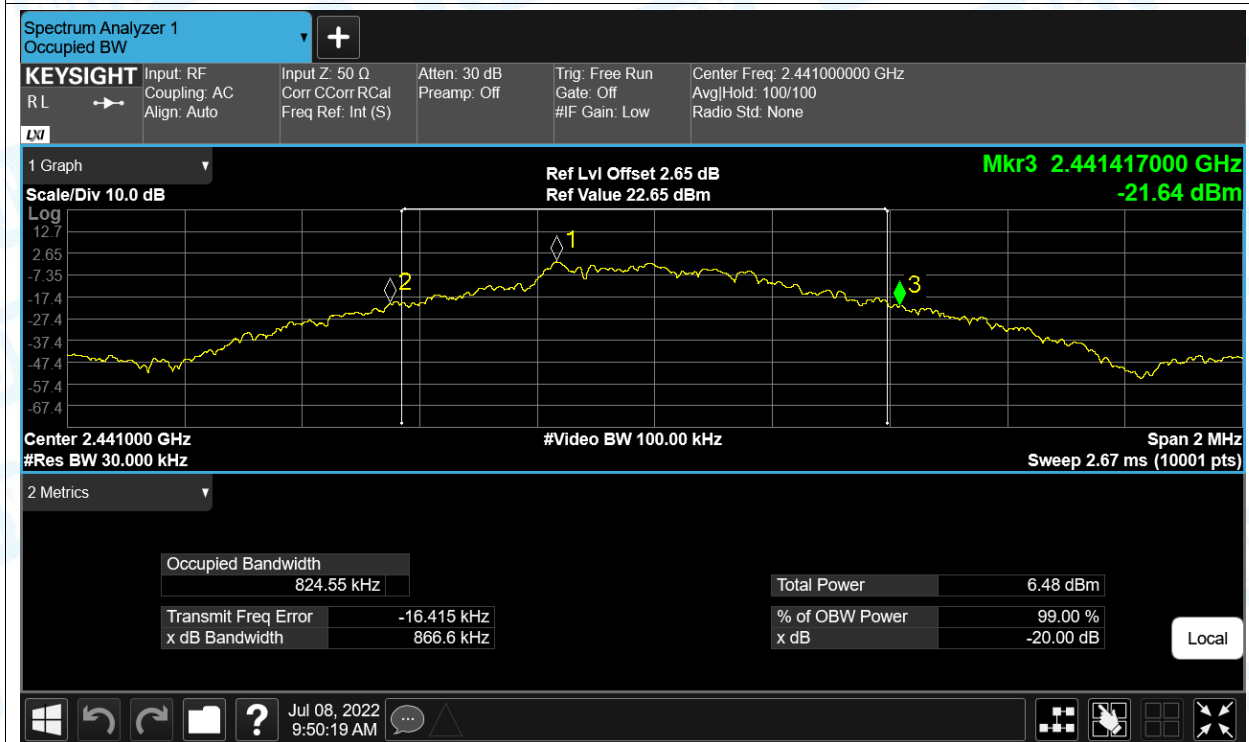
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.86	0	Pass
NVNT	1-DH1	2441	Ant1	0.87	0	Pass
NVNT	1-DH1	2480	Ant1	0.86	0	Pass
NVNT	2-DH1	2402	Ant1	1.32	0	Pass
NVNT	2-DH1	2441	Ant1	1.34	0	Pass
NVNT	2-DH1	2480	Ant1	1.32	0	Pass

Test Graphs

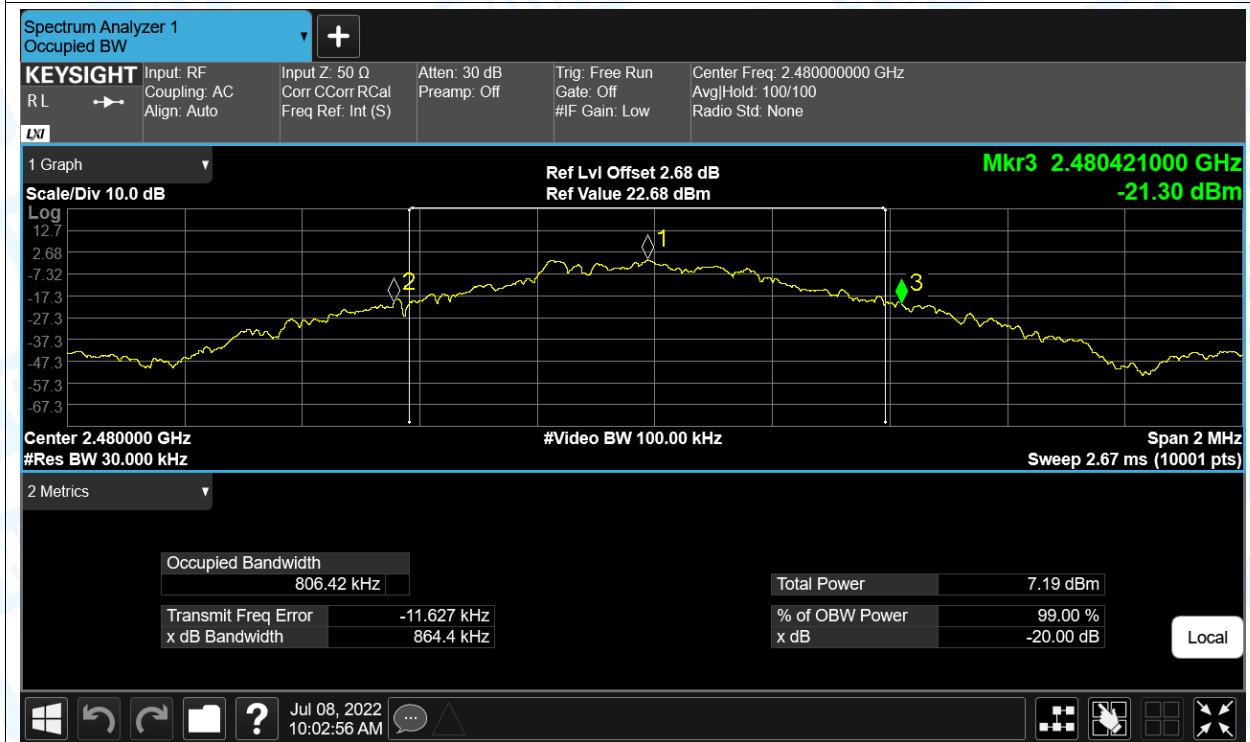
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

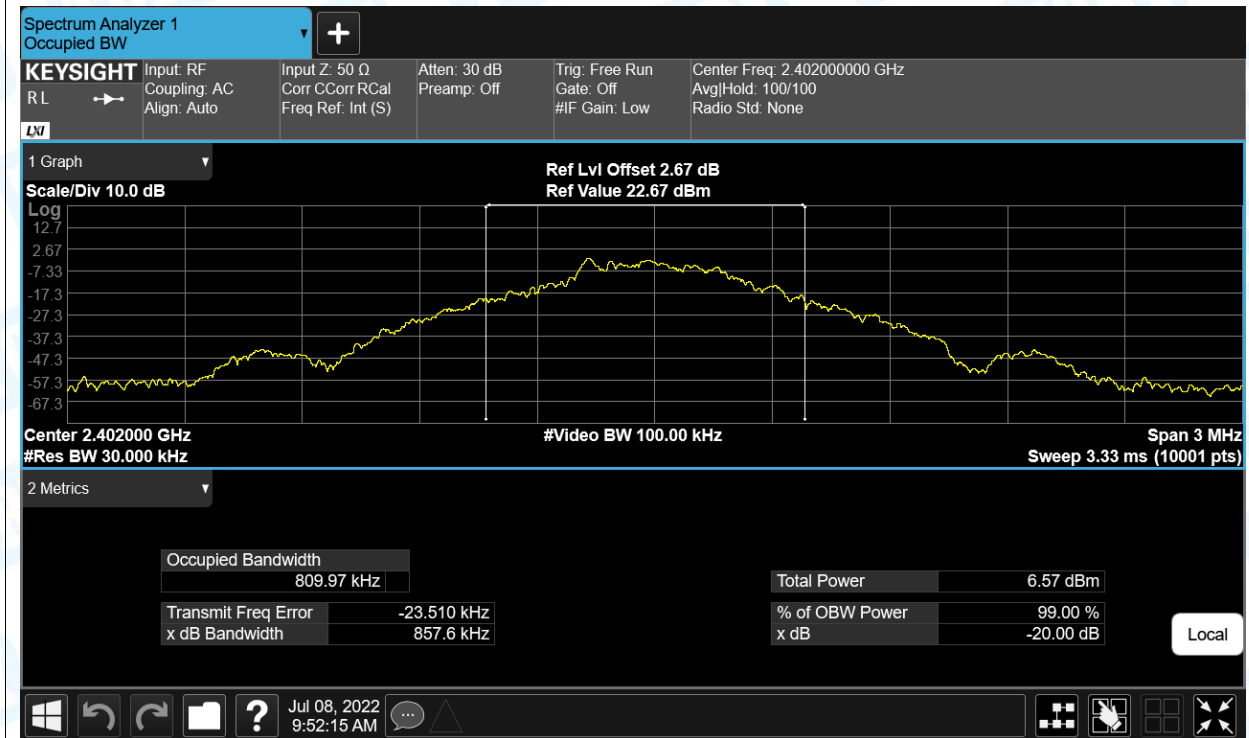


4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.81
NVNT	1-DH1	2441	Ant1	0.813
NVNT	1-DH1	2480	Ant1	0.822
NVNT	2-DH1	2402	Ant1	1.165
NVNT	2-DH1	2441	Ant1	1.157
NVNT	2-DH1	2480	Ant1	1.165

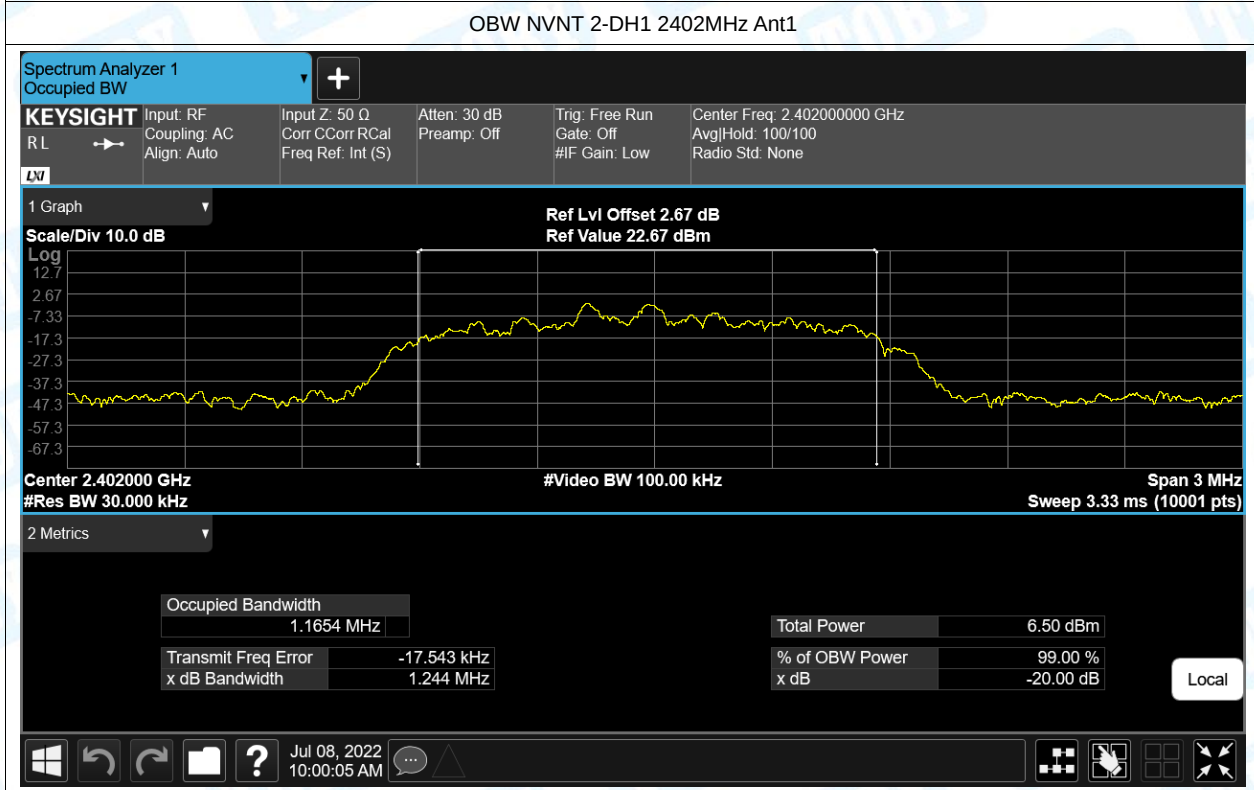
Test Graphs

OBW NVNT 1-DH1 2402MHz Ant1

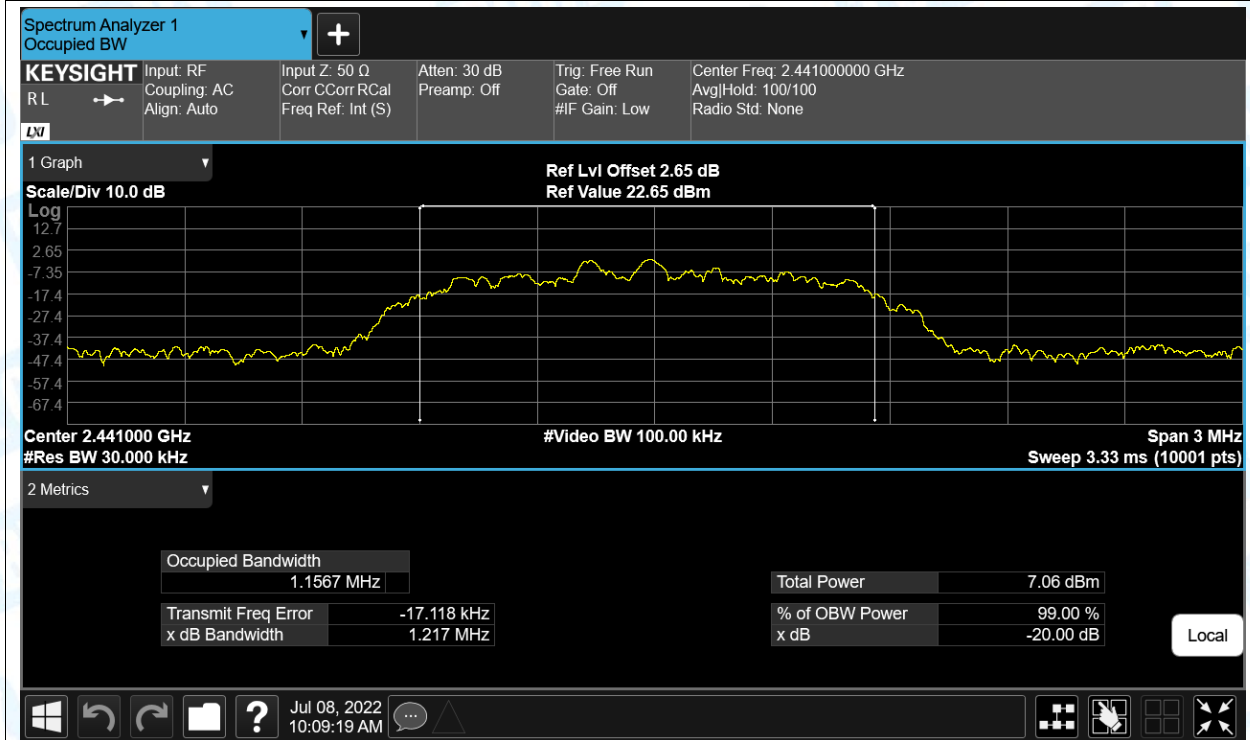


OBW NVNT 1-DH1 2441MHz Ant1

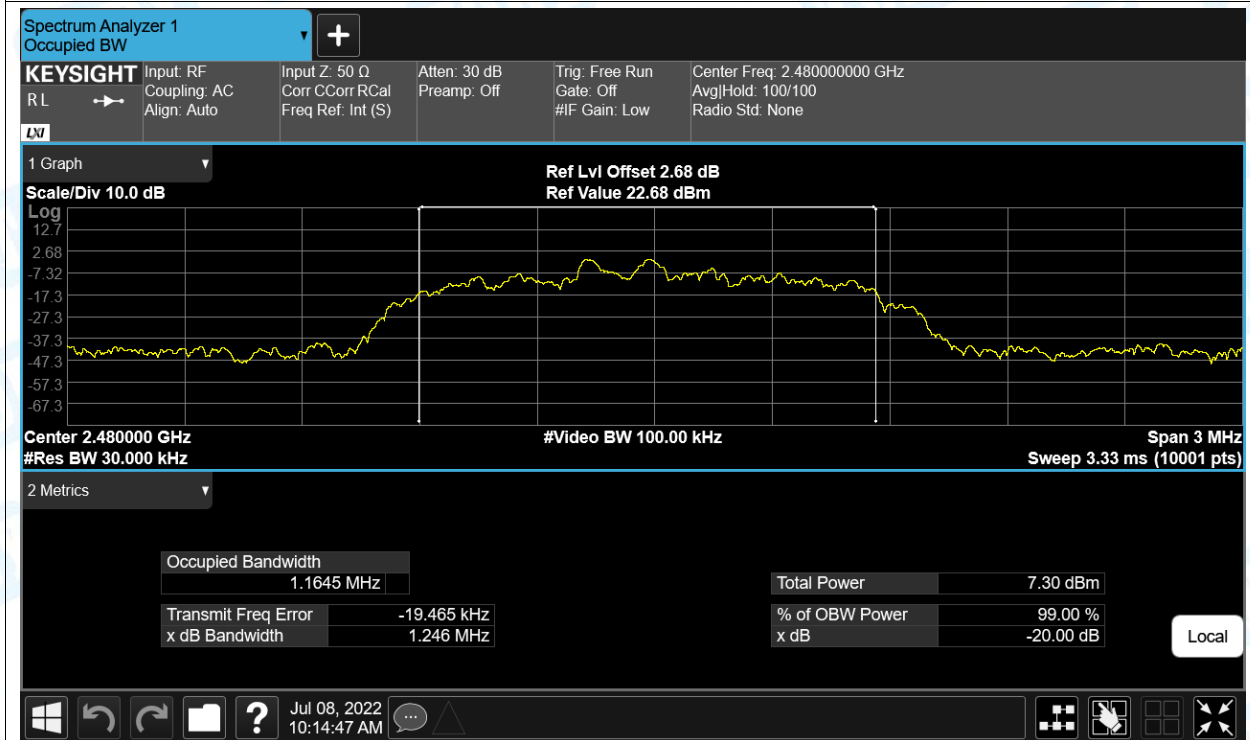




OBW NVNT 2-DH1 2441MHz Ant1



OBW NVNT 2-DH1 2480MHz Ant1

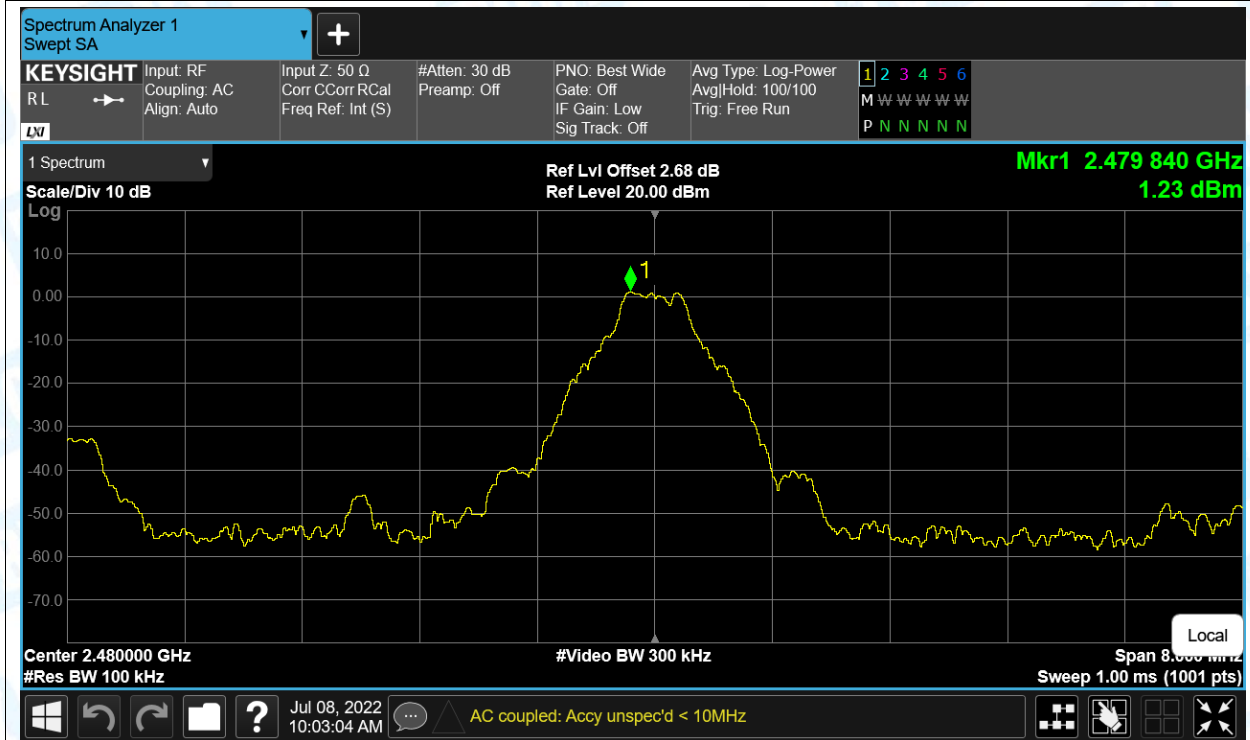


5. Band Edge

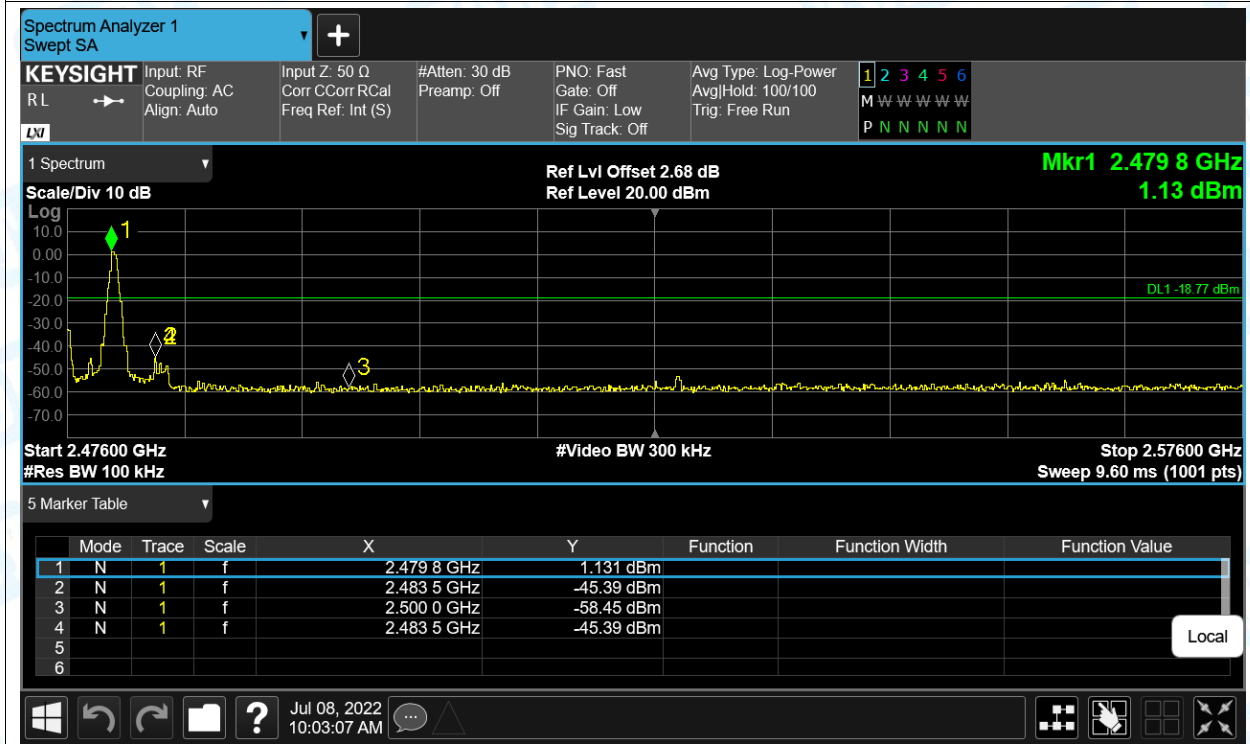
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-55.9	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-46.62	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-56.28	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-48.28	-20	Pass

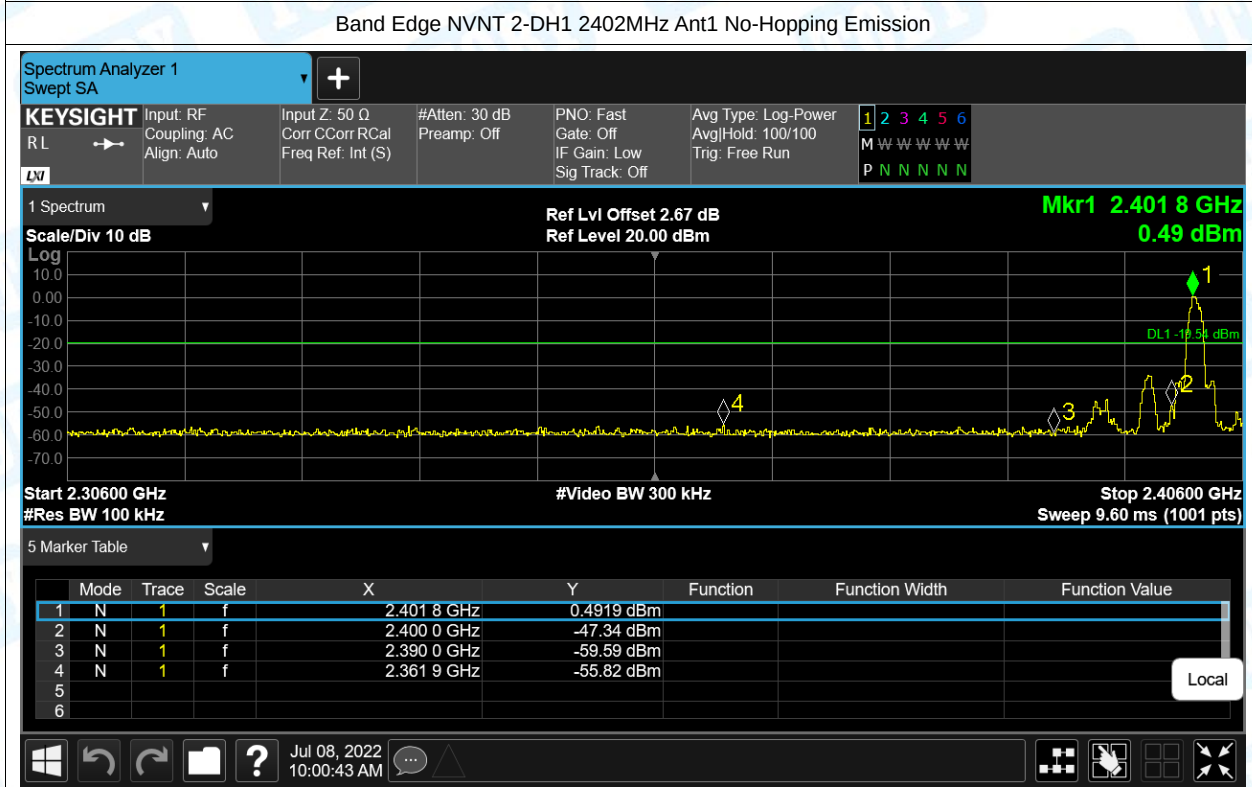
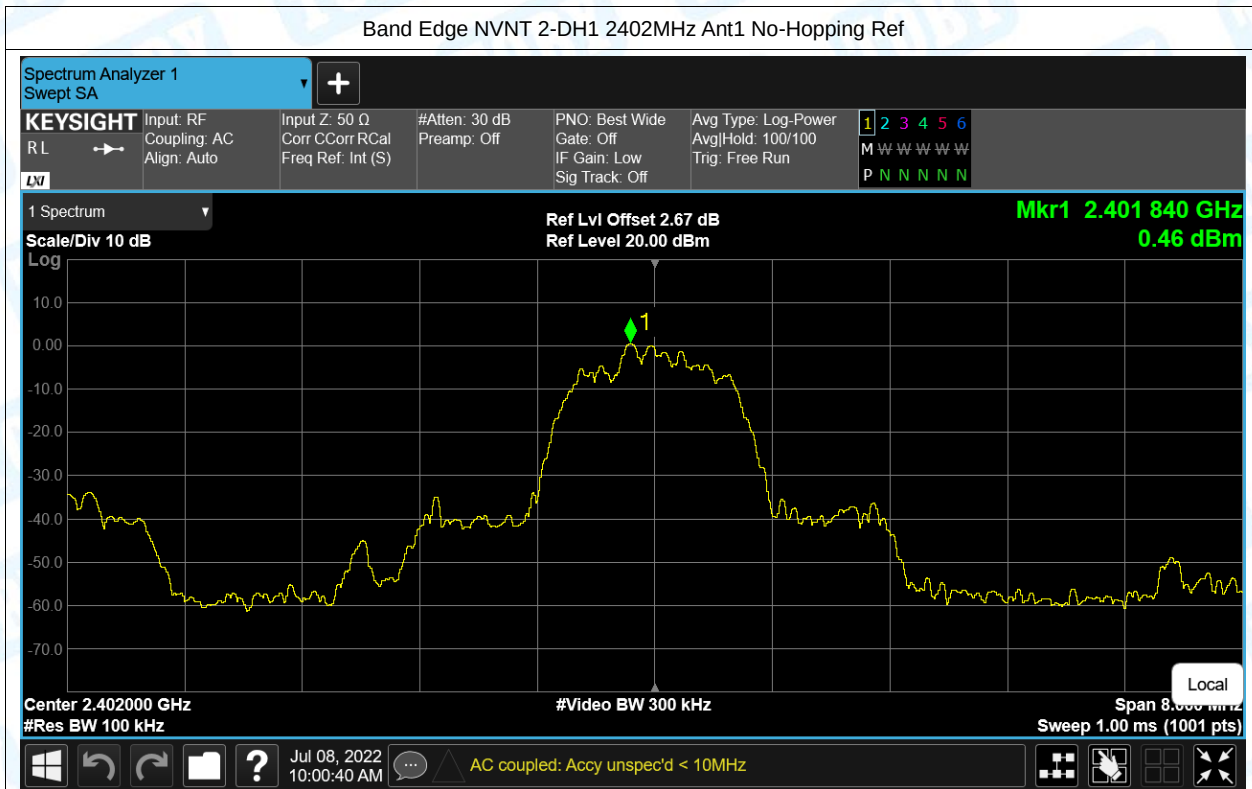


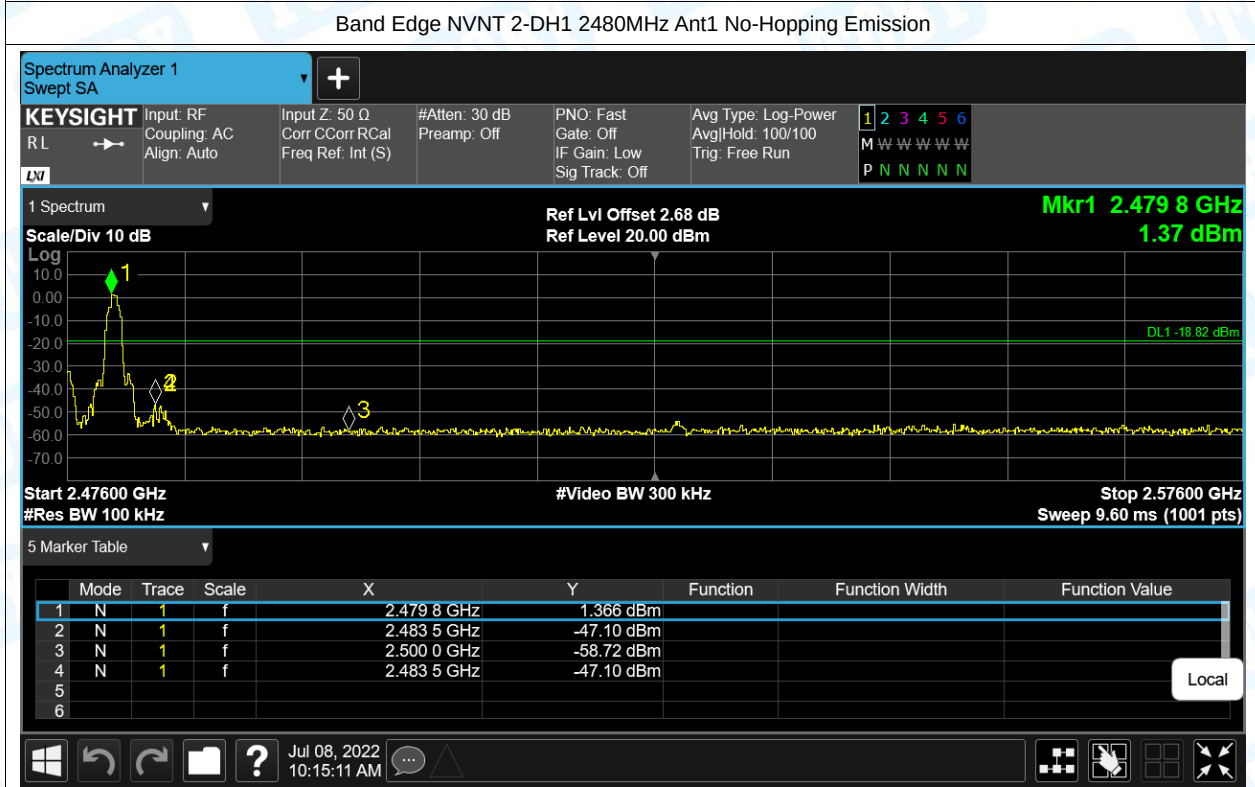
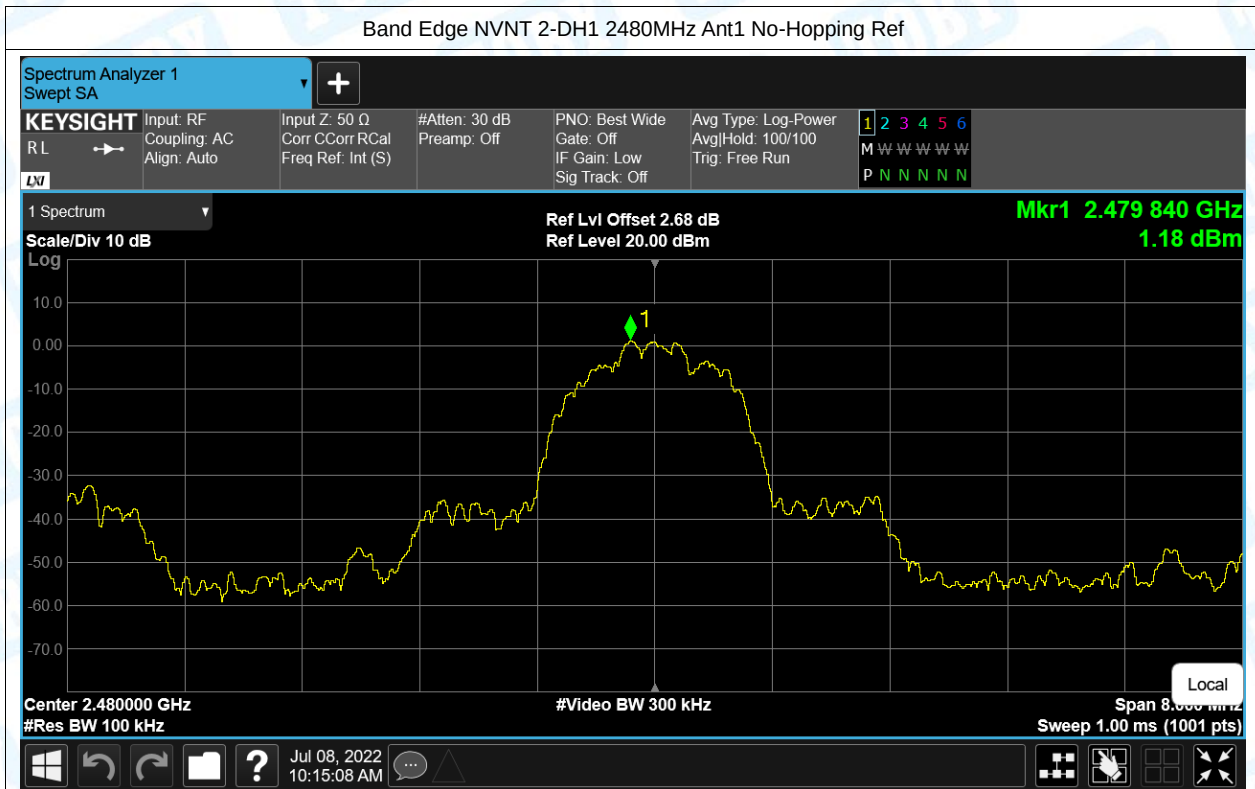
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



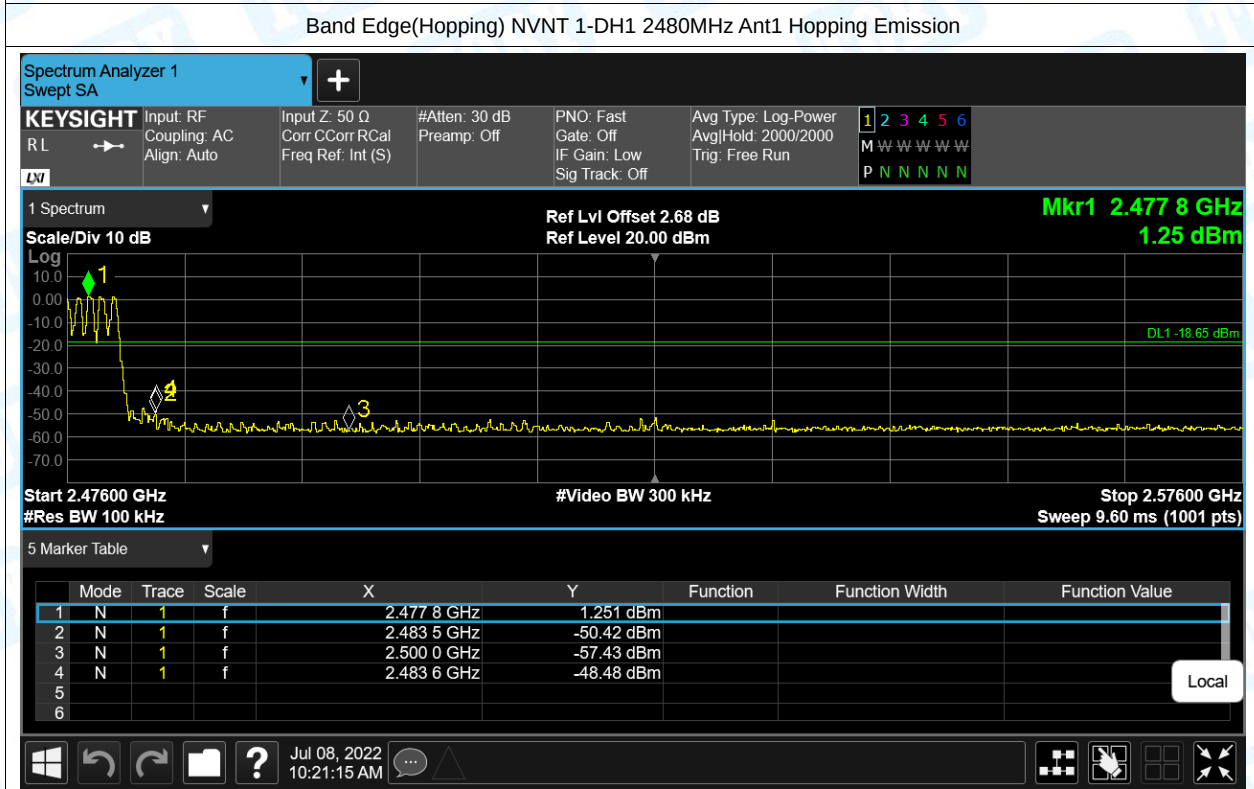
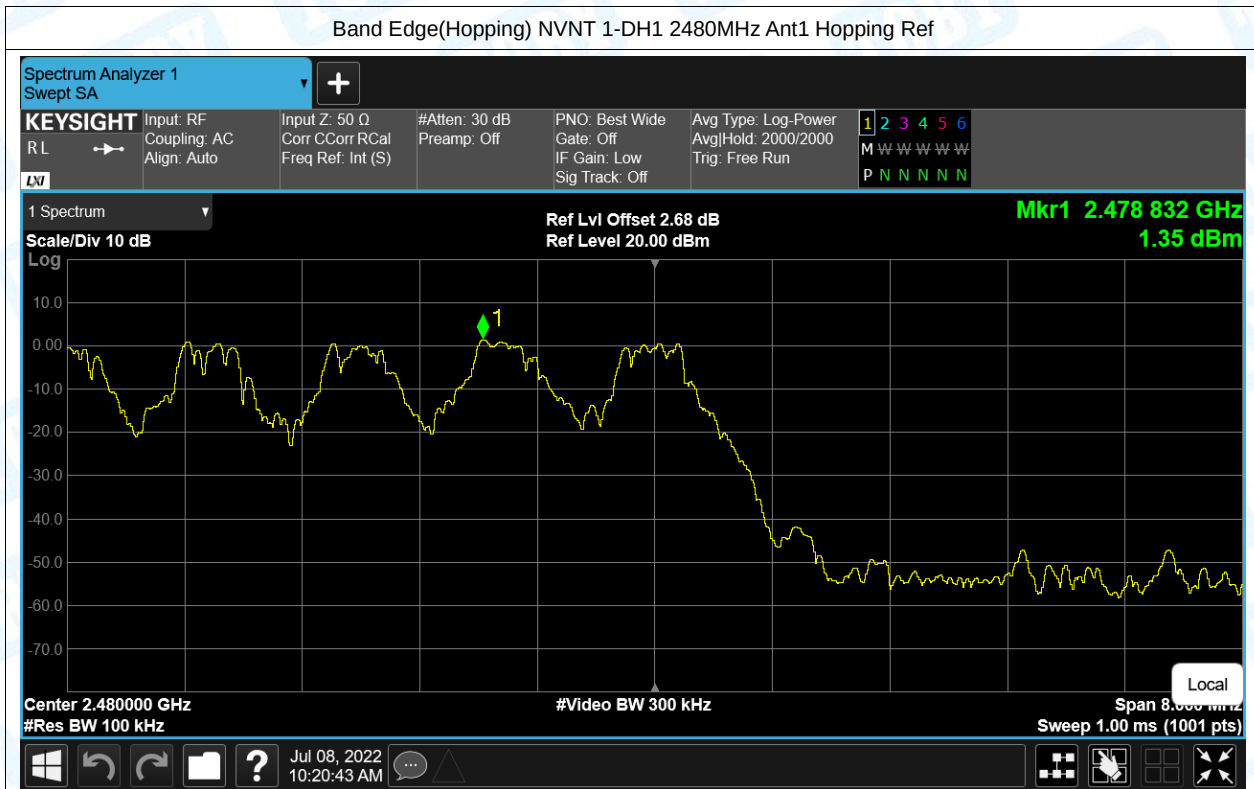


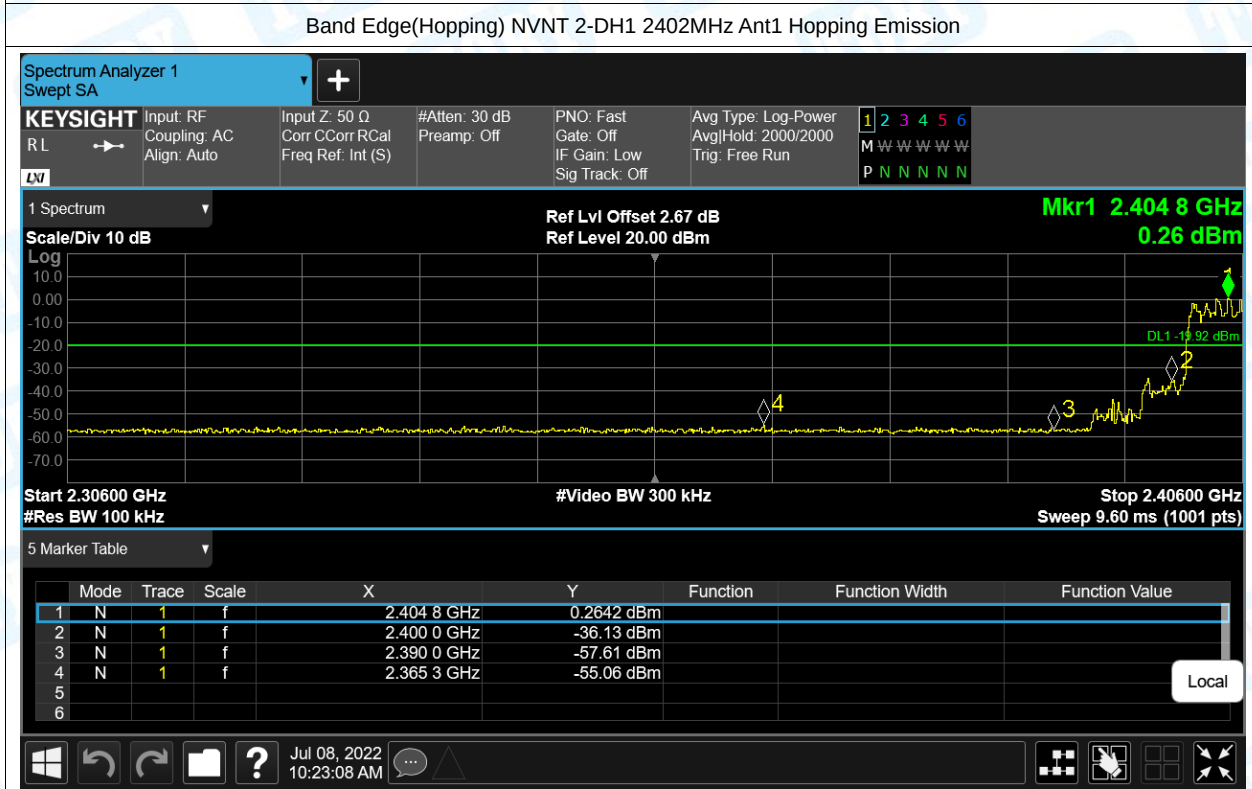
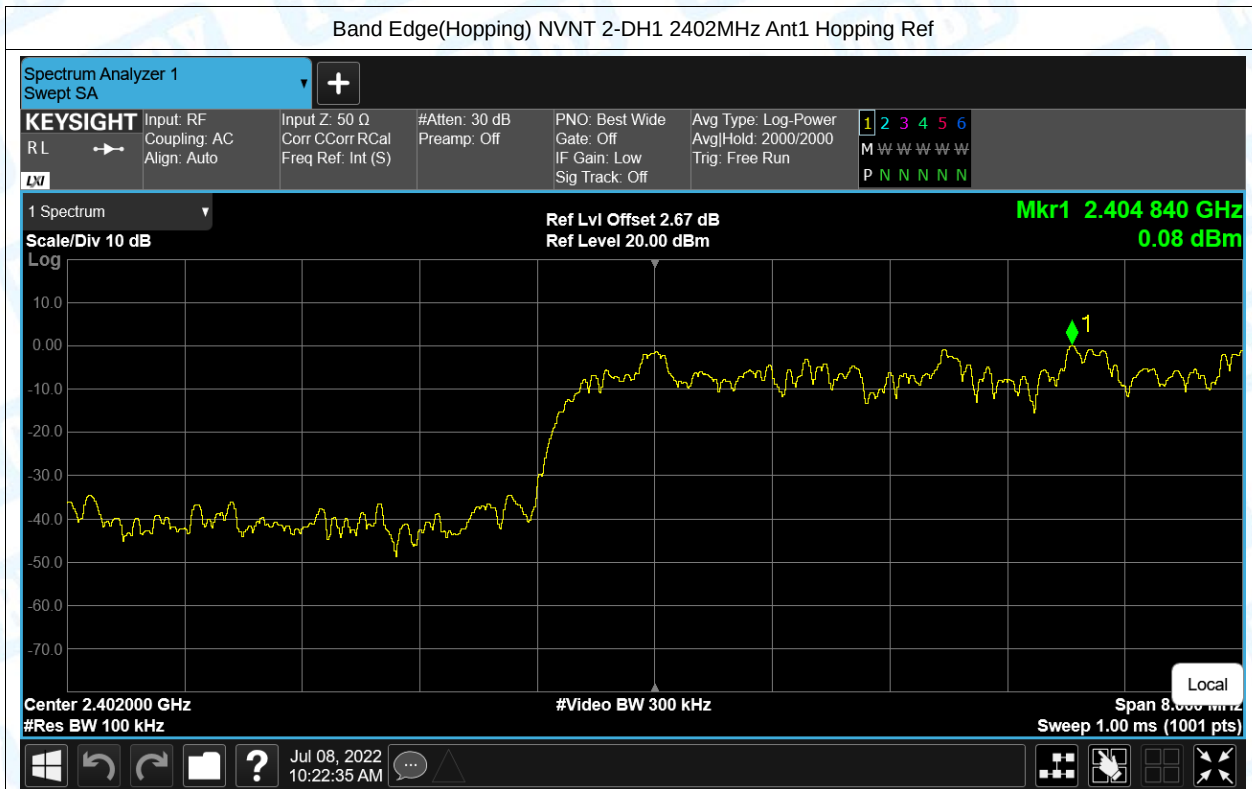


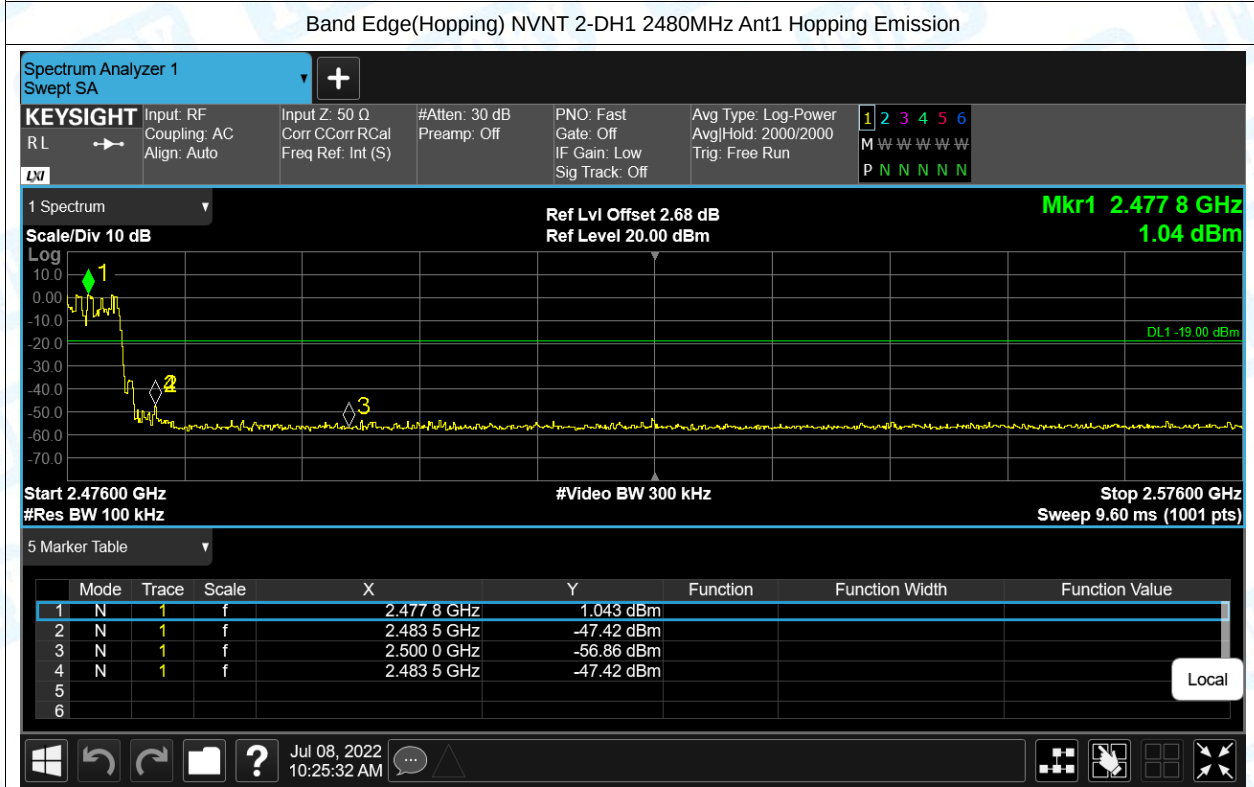
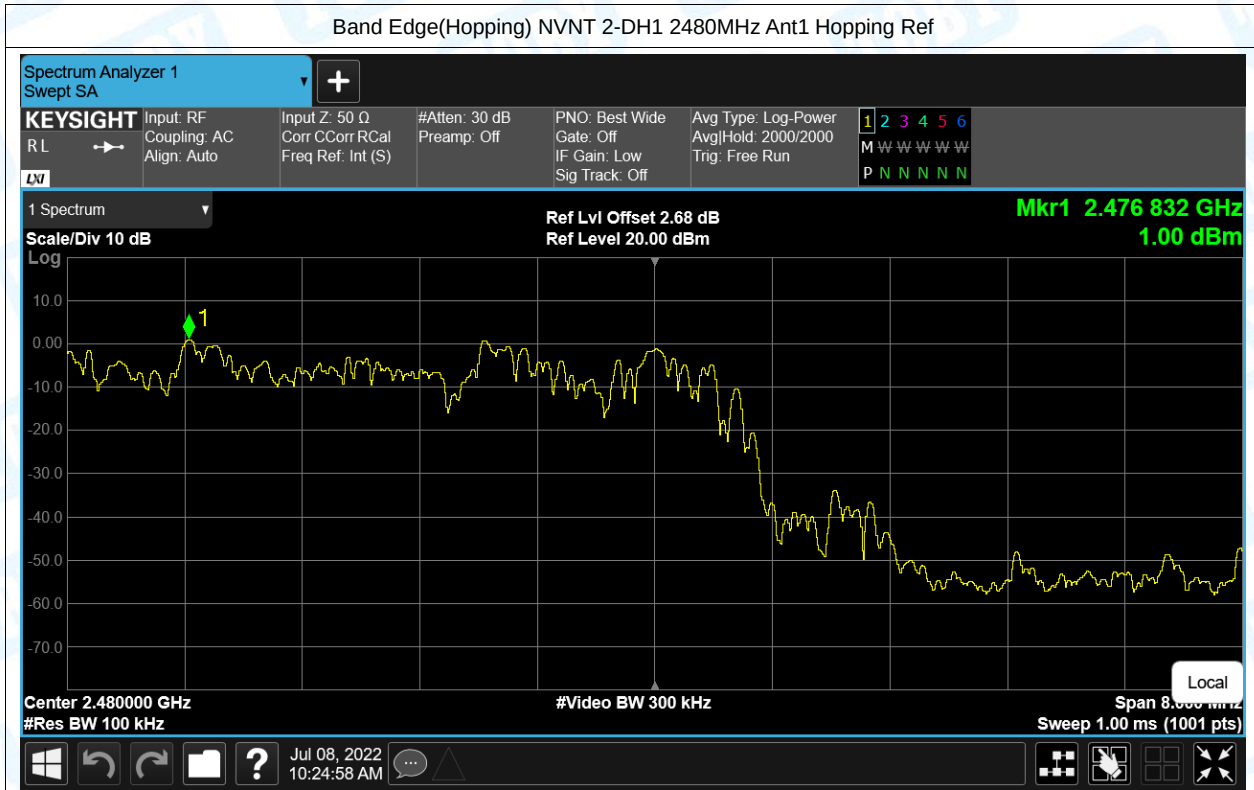
6. Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-55.25	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-49.83	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-55.14	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-48.42	-20	Pass



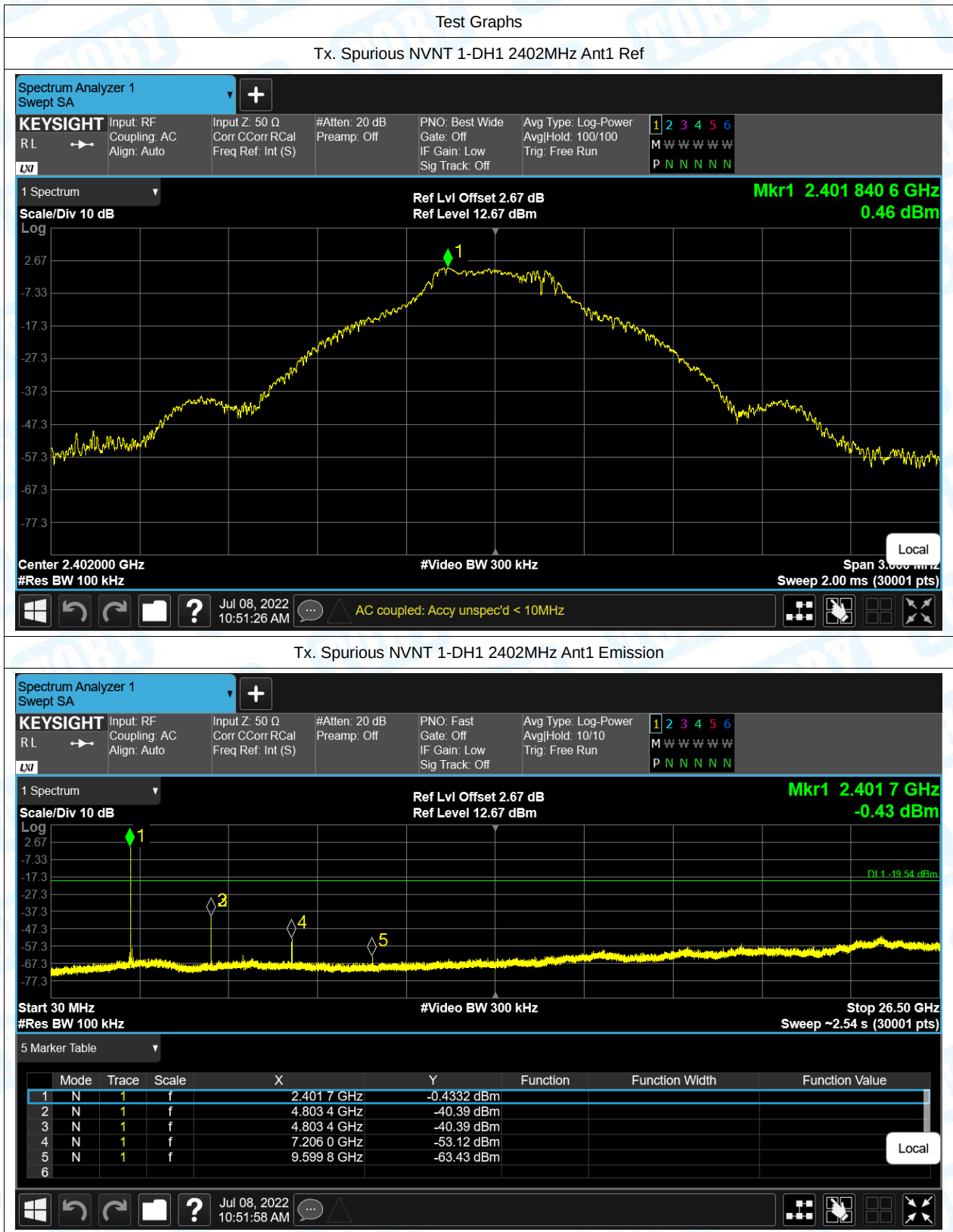


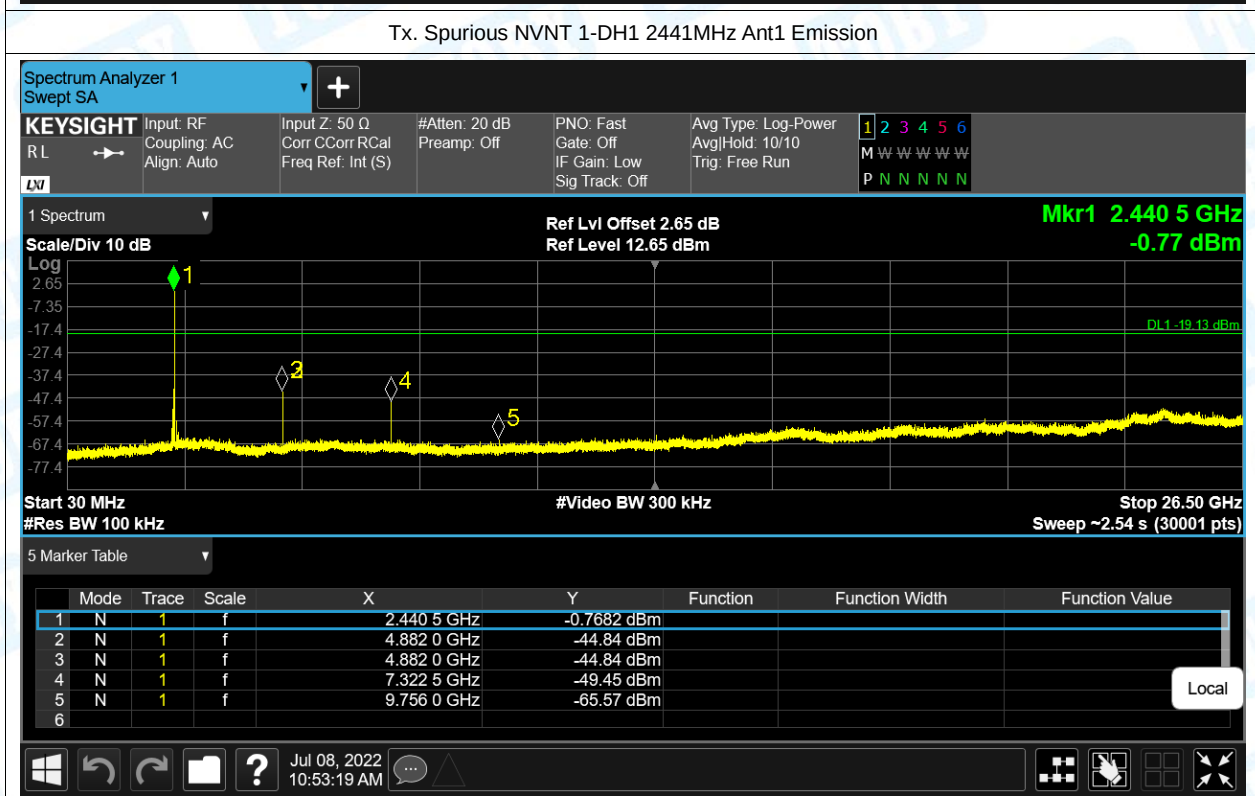
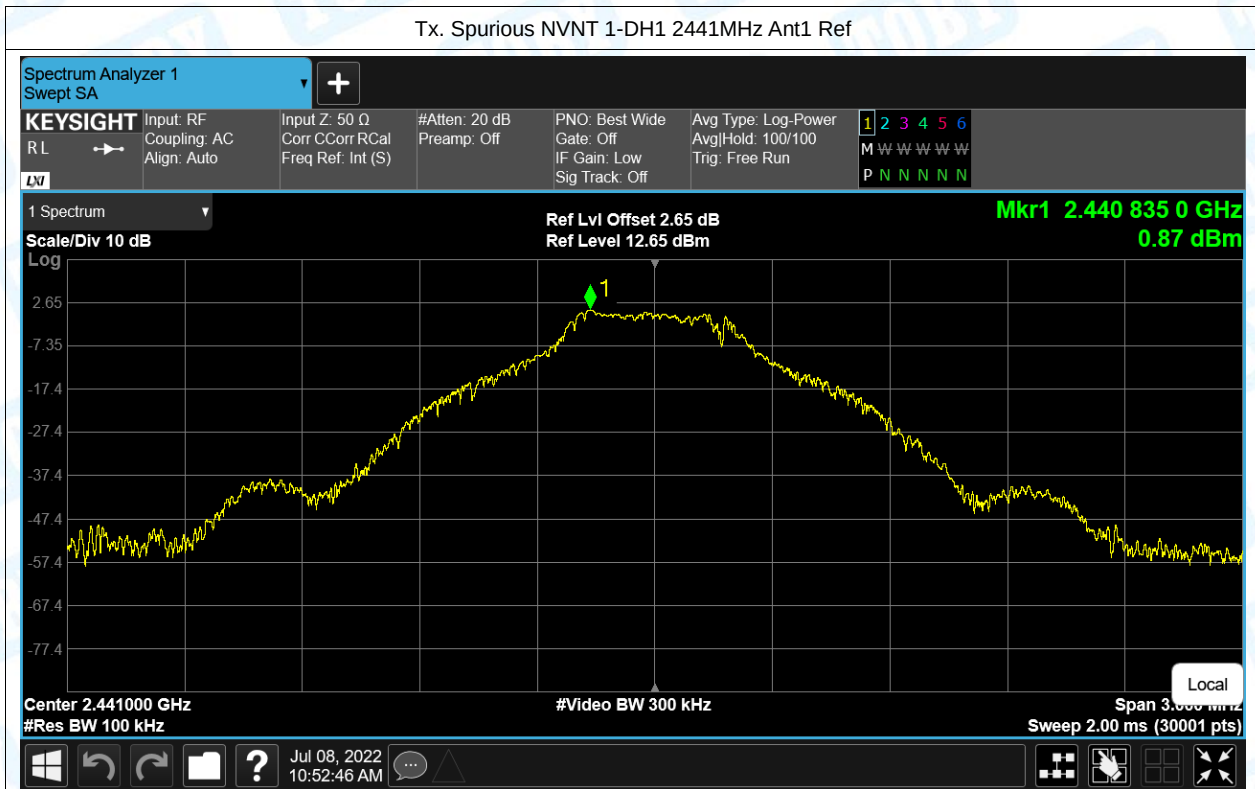


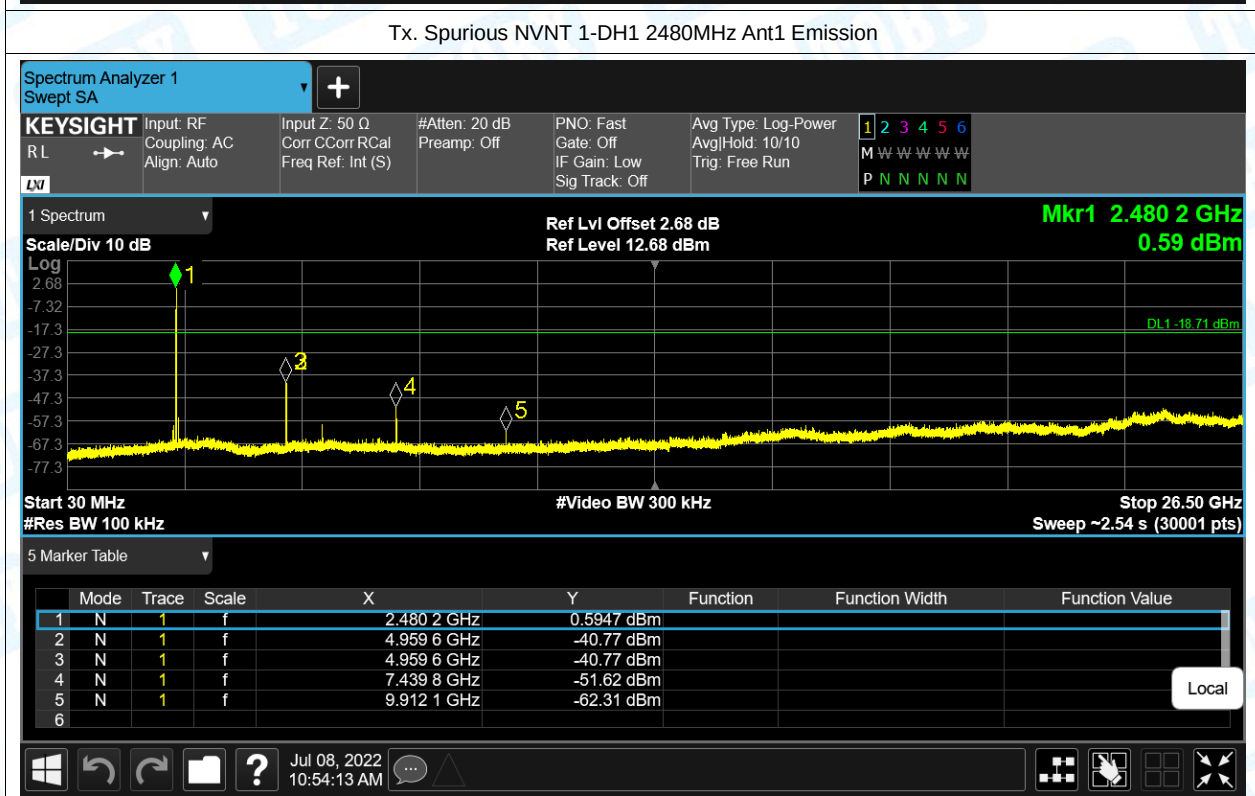
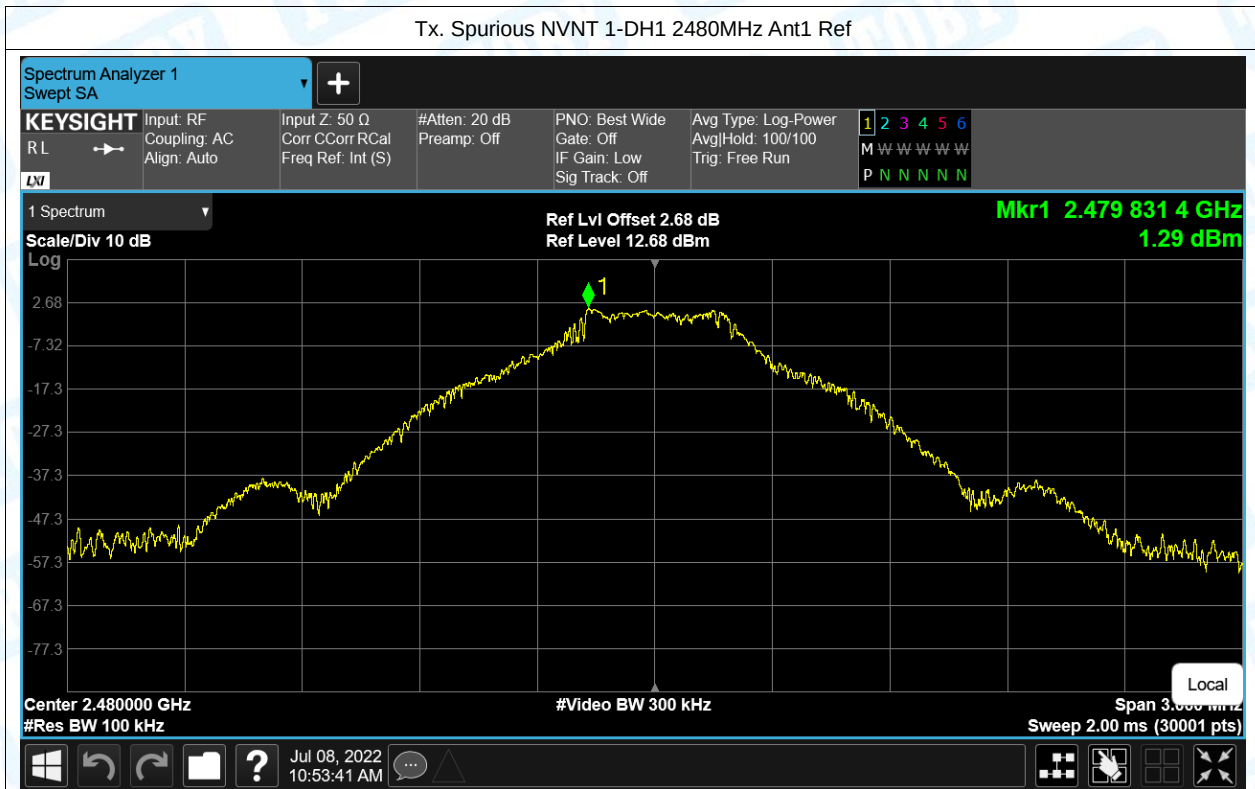


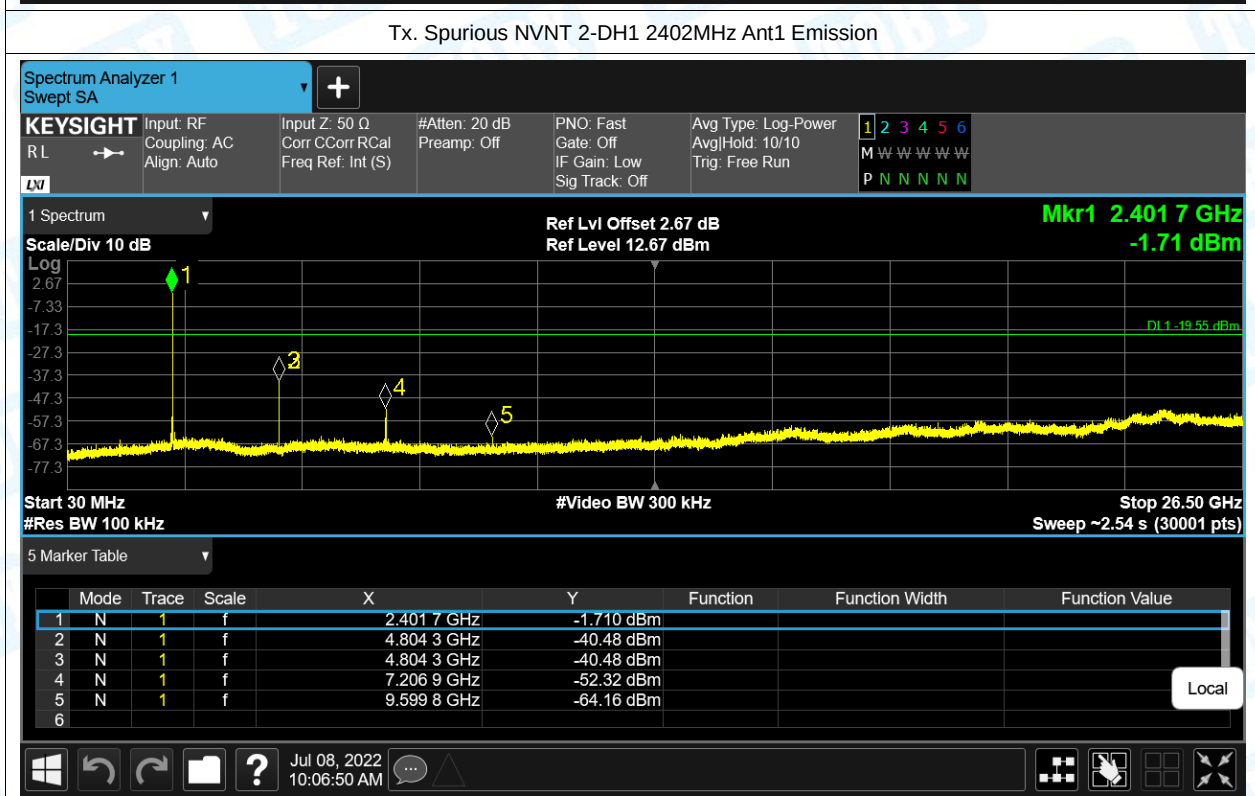
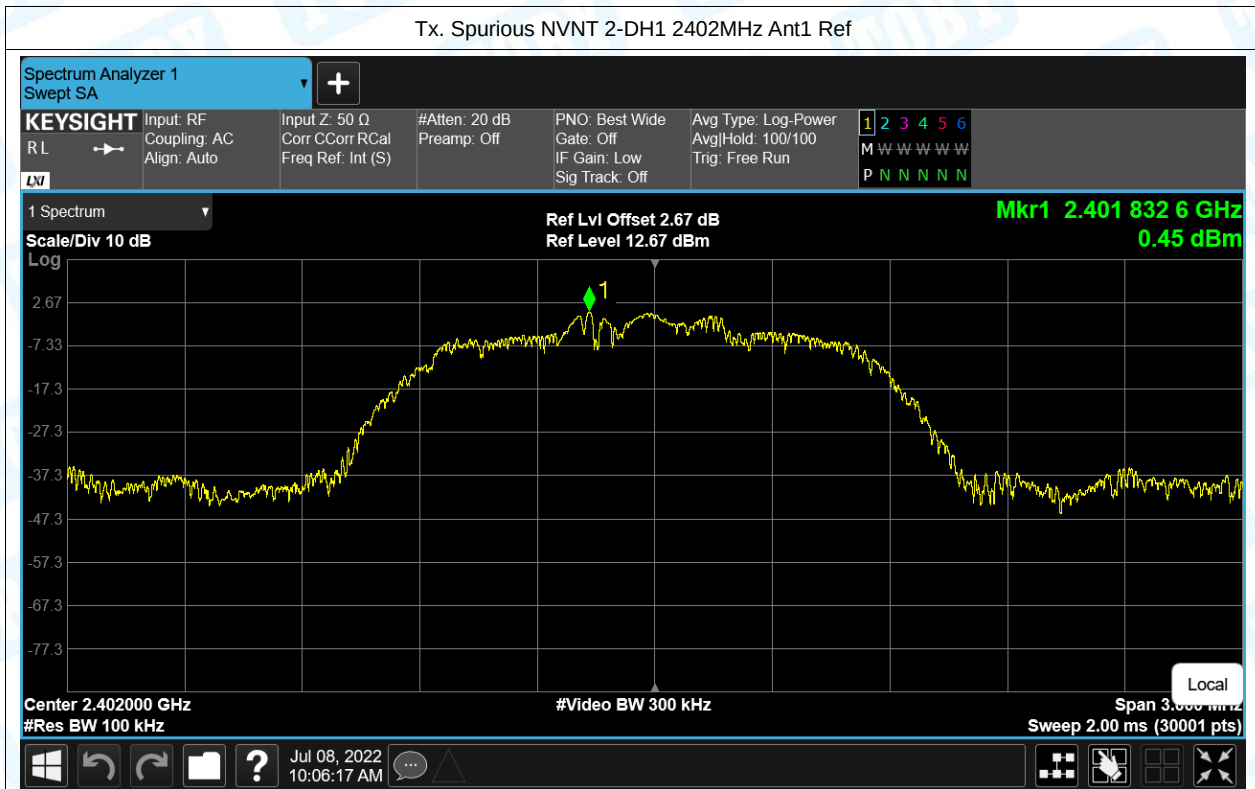
7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-40.85	-20	Pass
NVNT	1-DH1	2441	Ant1	-45.71	-20	Pass
NVNT	1-DH1	2480	Ant1	-42.06	-20	Pass
NVNT	2-DH1	2402	Ant1	-40.93	-20	Pass
NVNT	2-DH1	2441	Ant1	-42.21	-20	Pass
NVNT	2-DH1	2480	Ant1	-46.15	-20	Pass

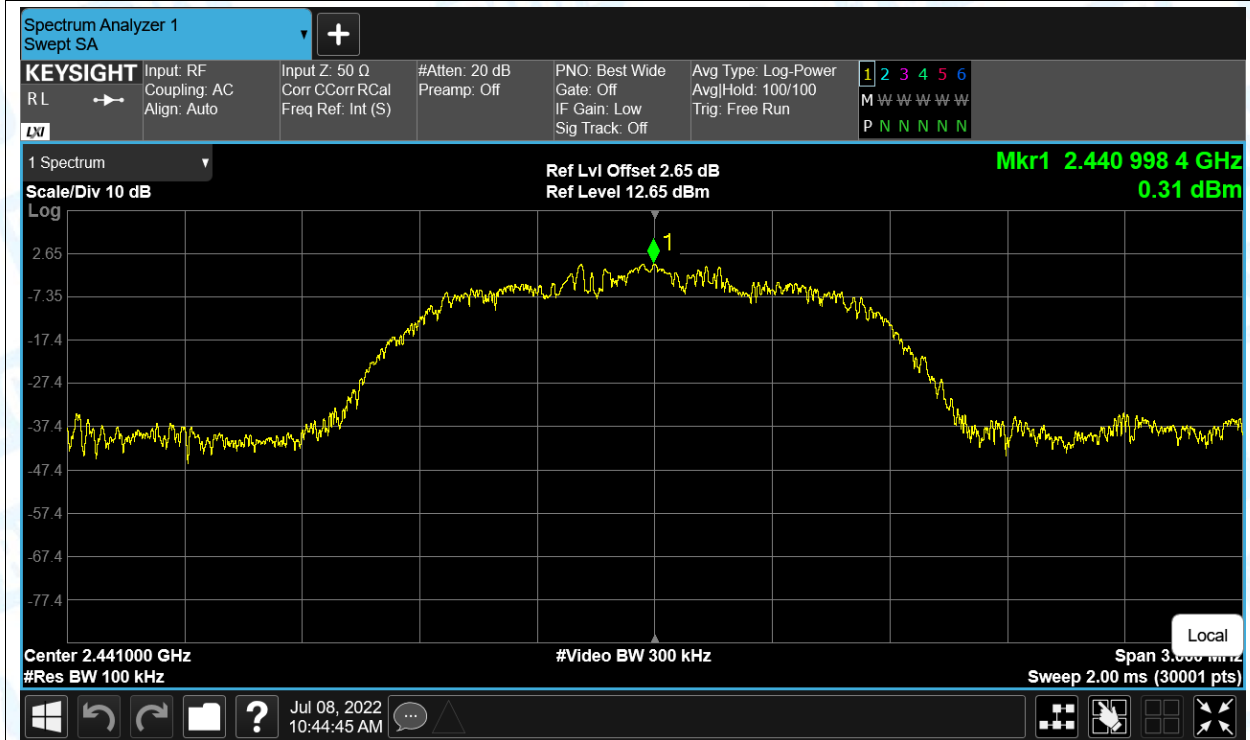




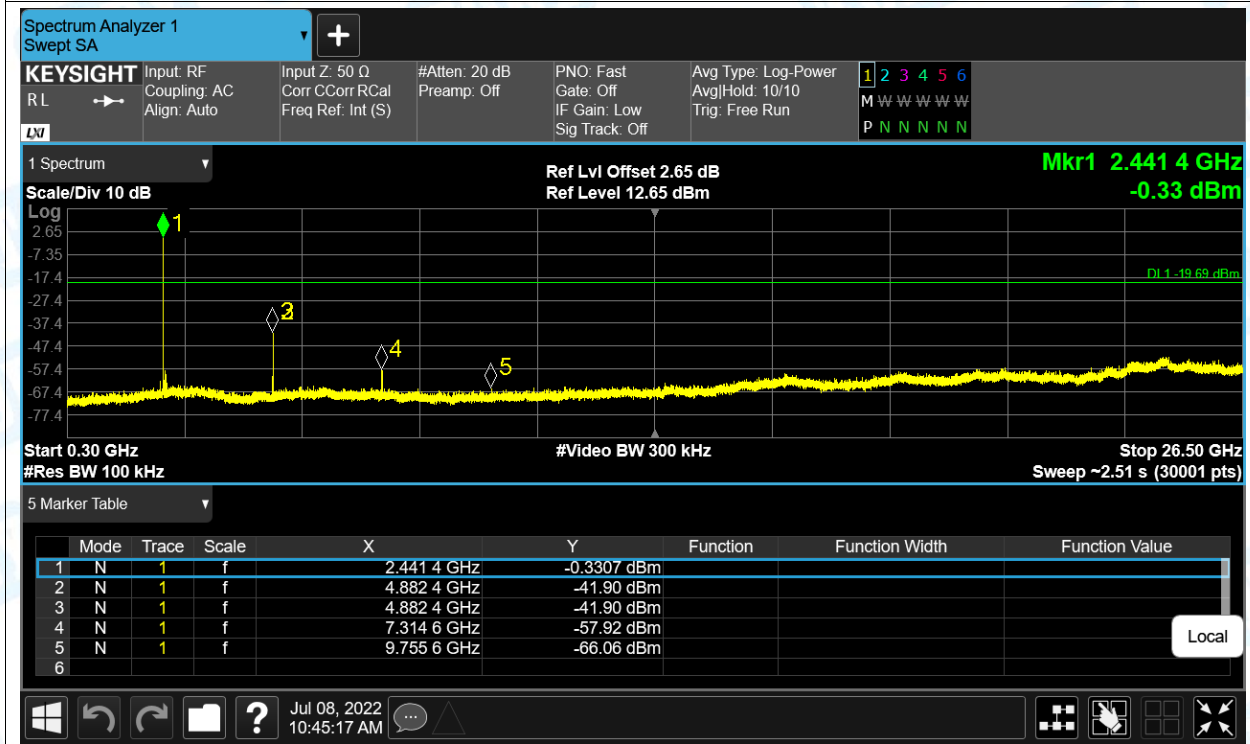


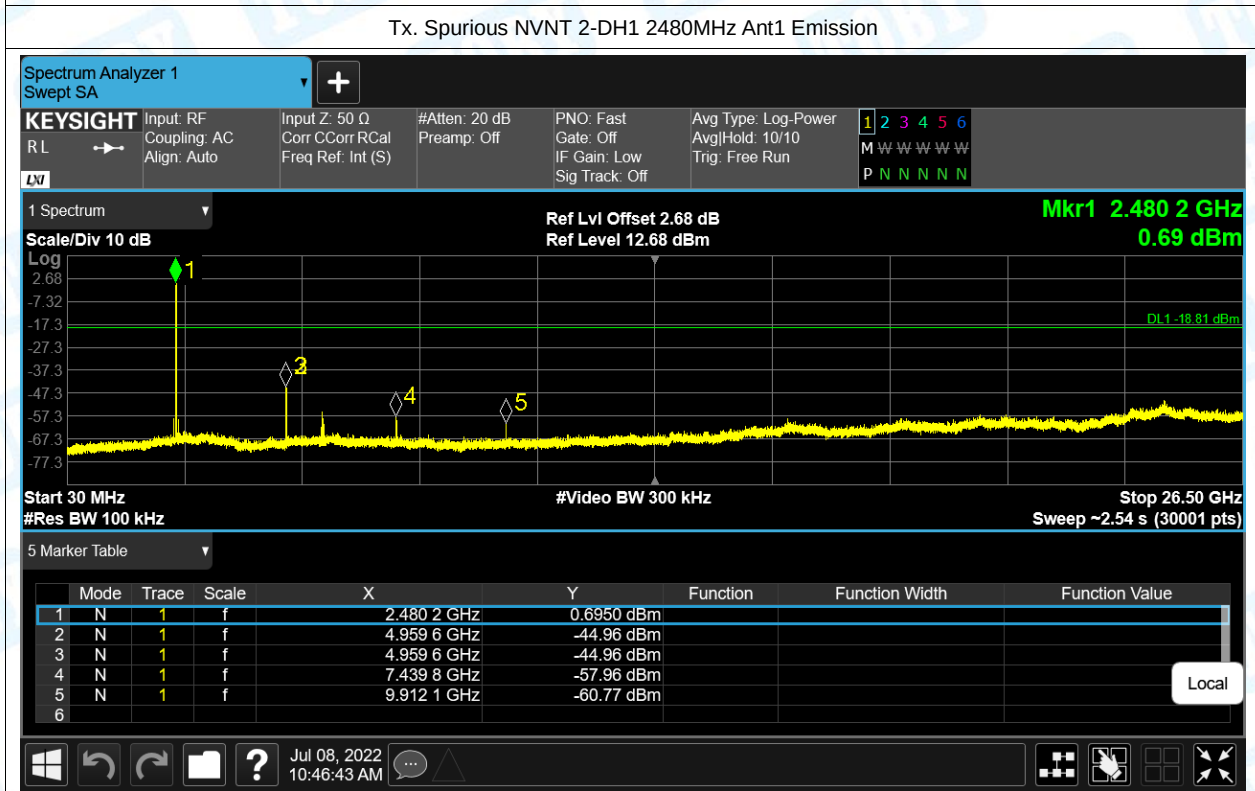
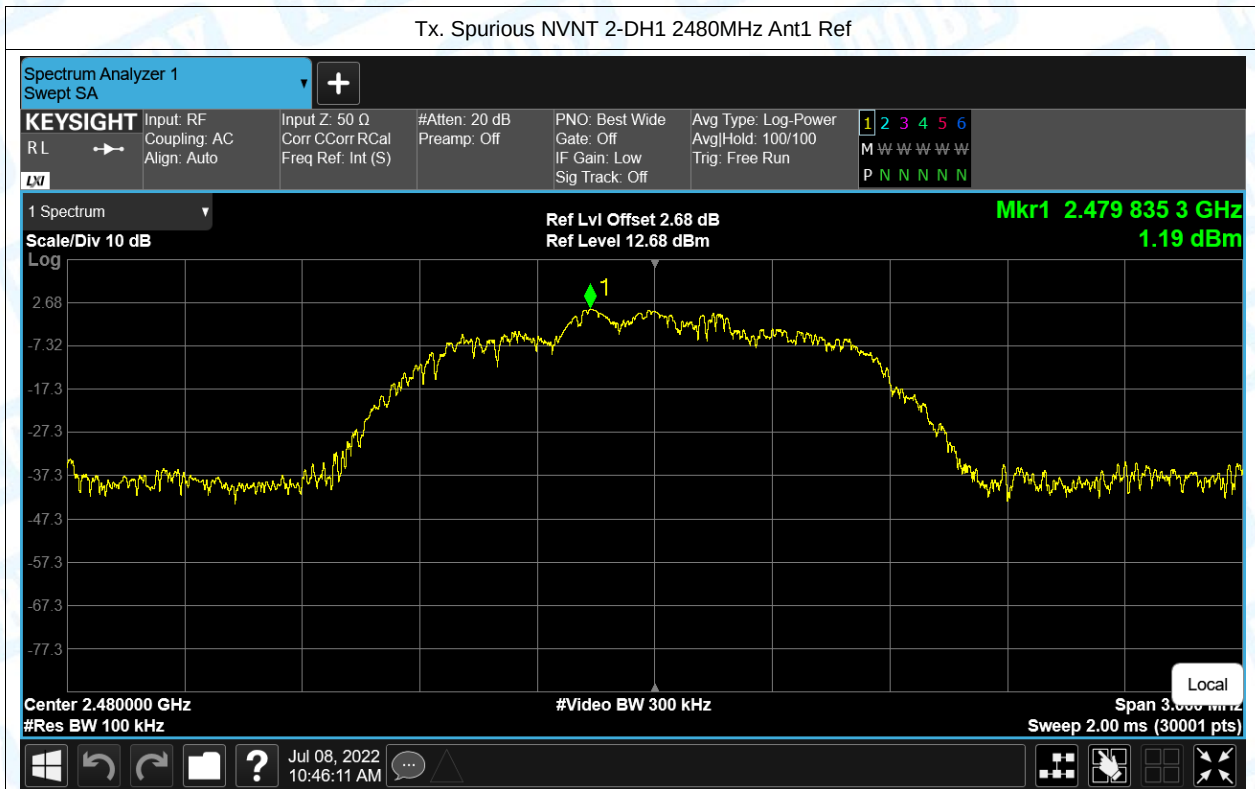


Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



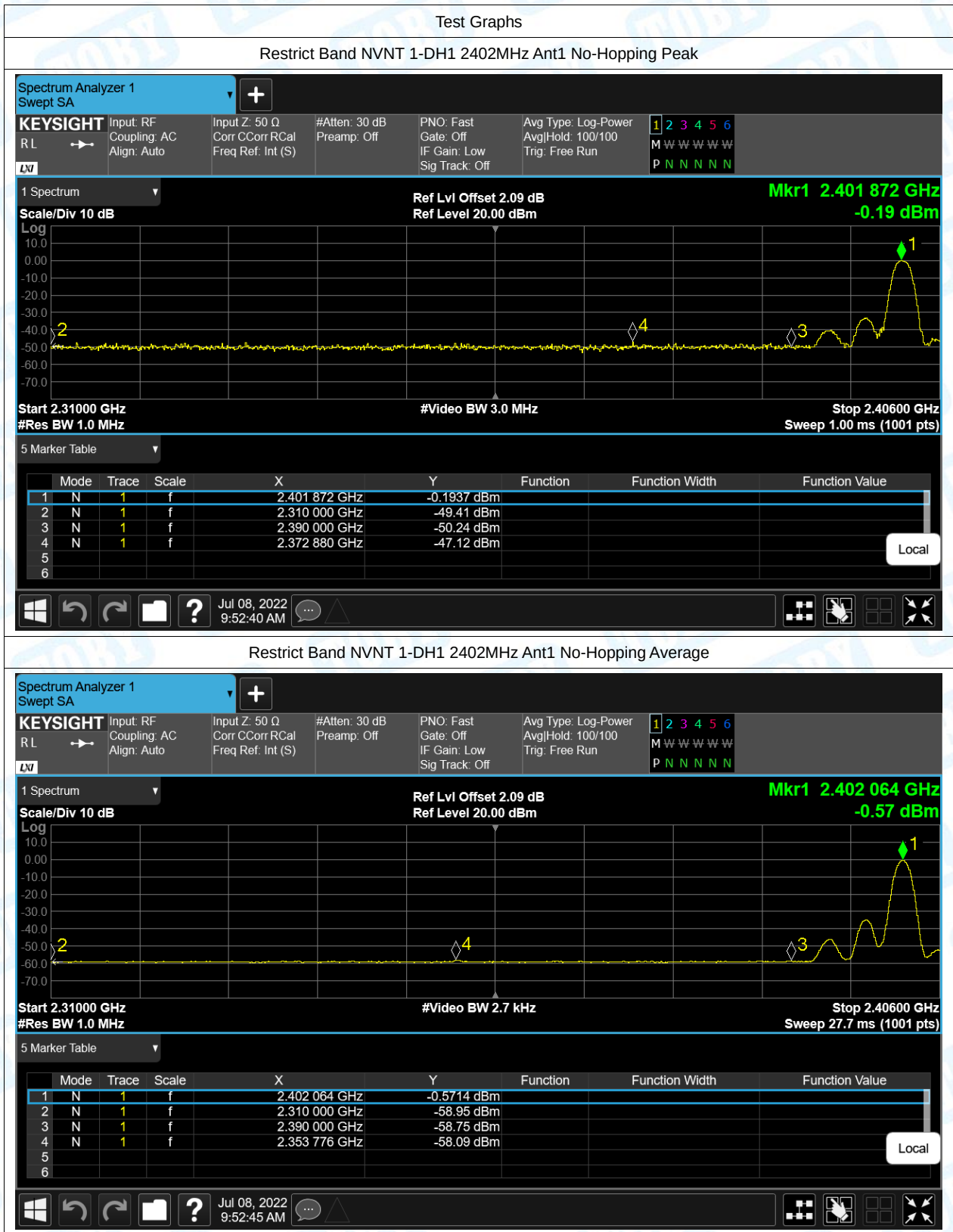
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission

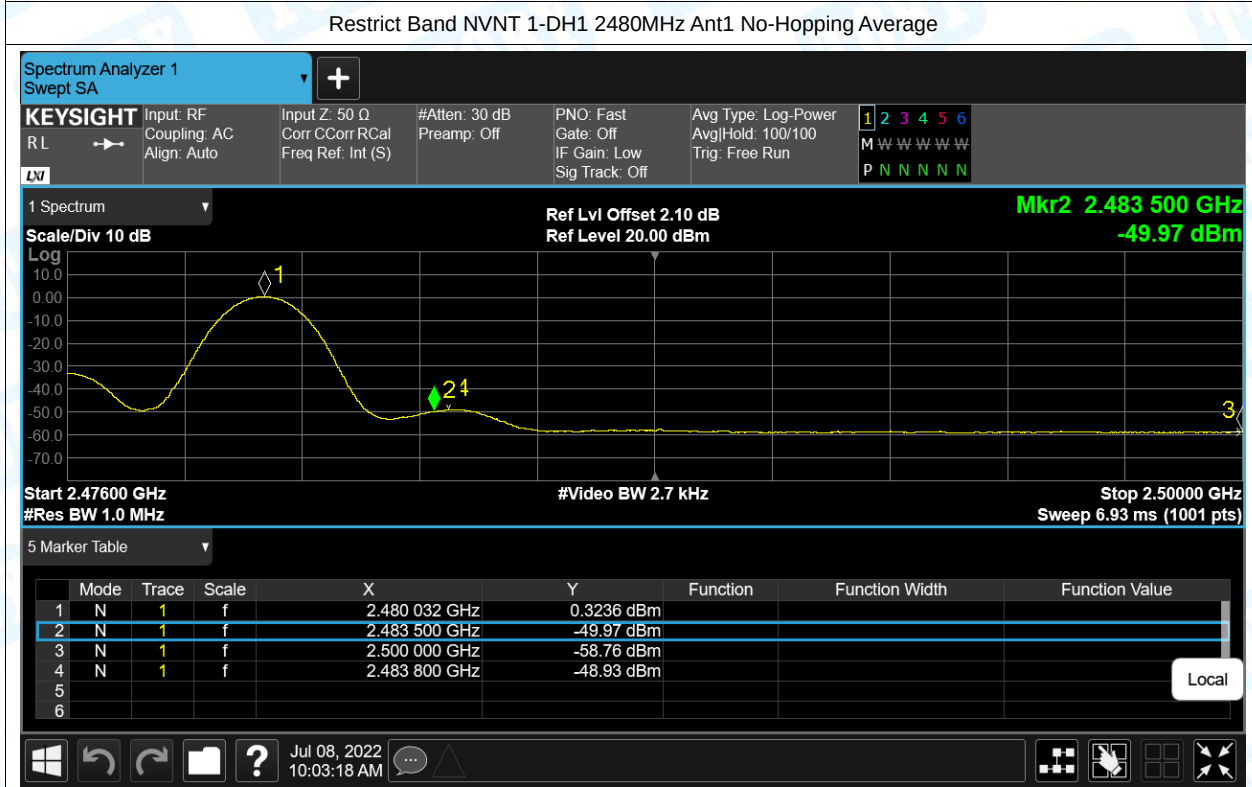
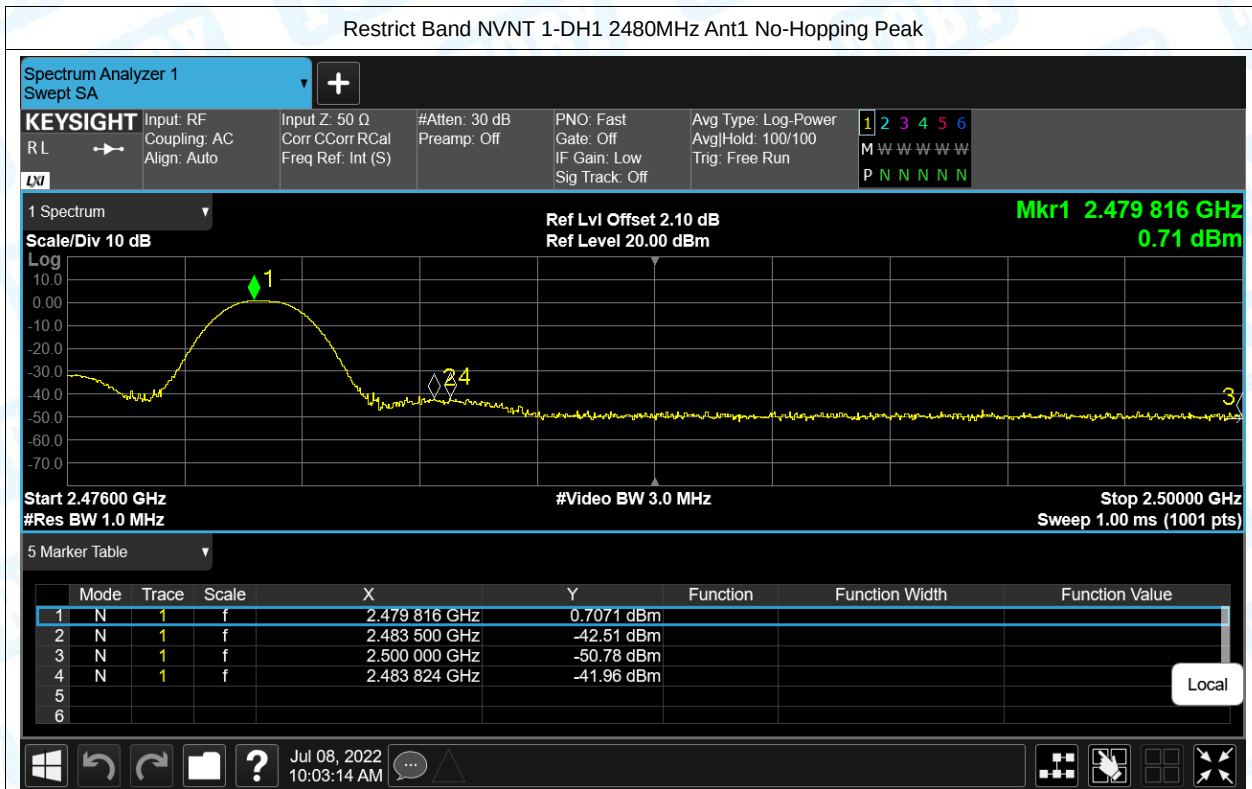


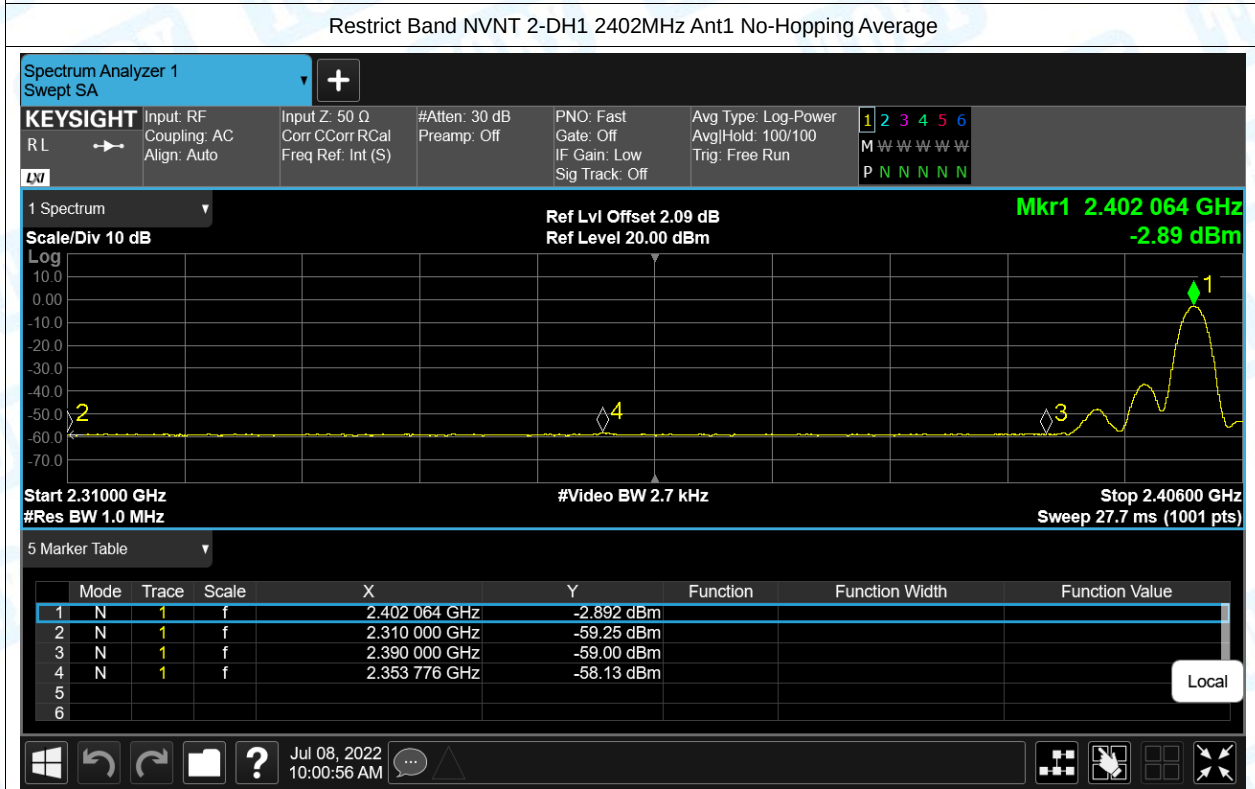
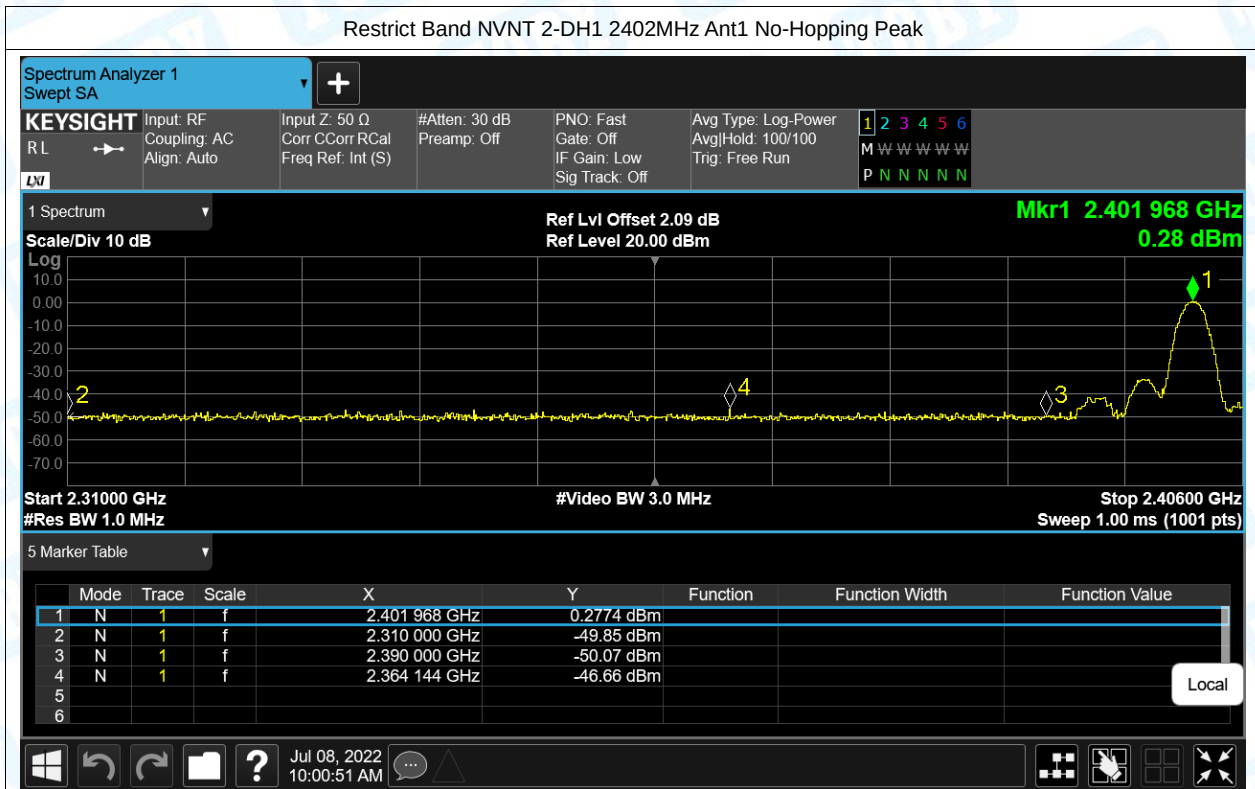


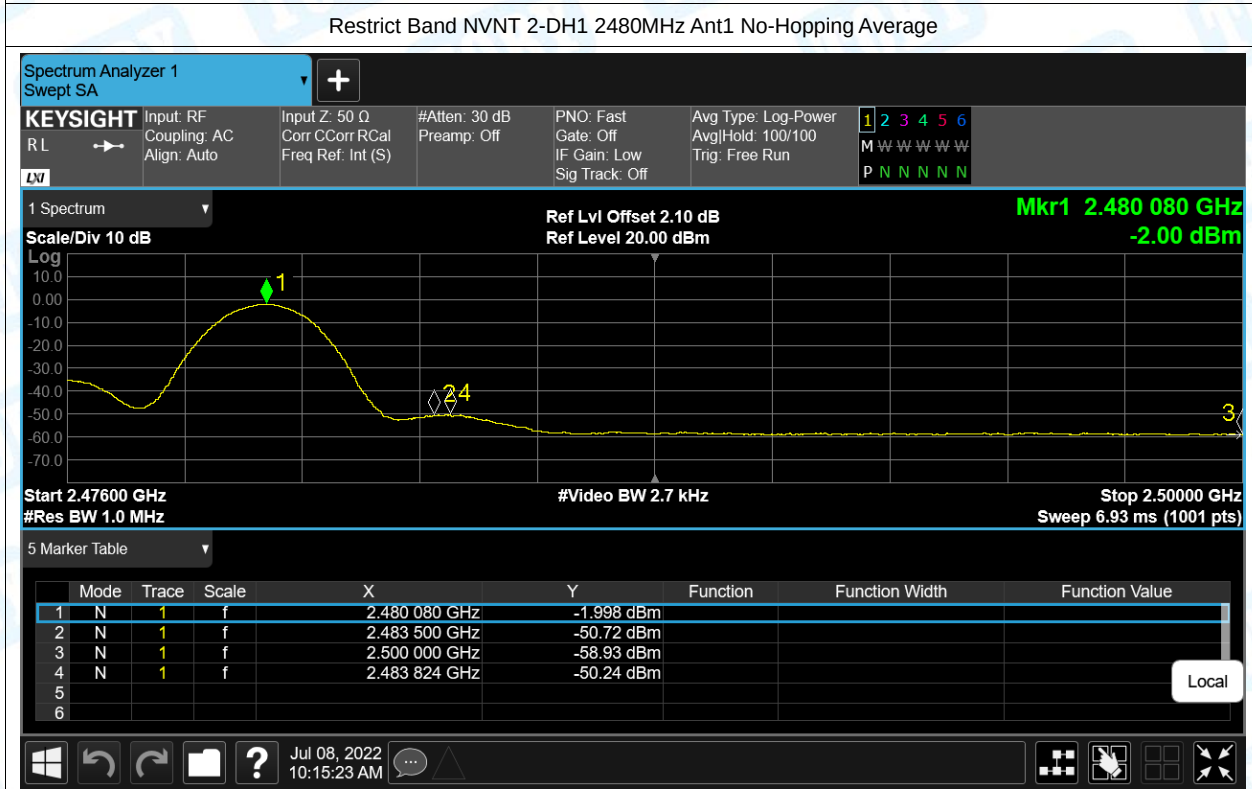
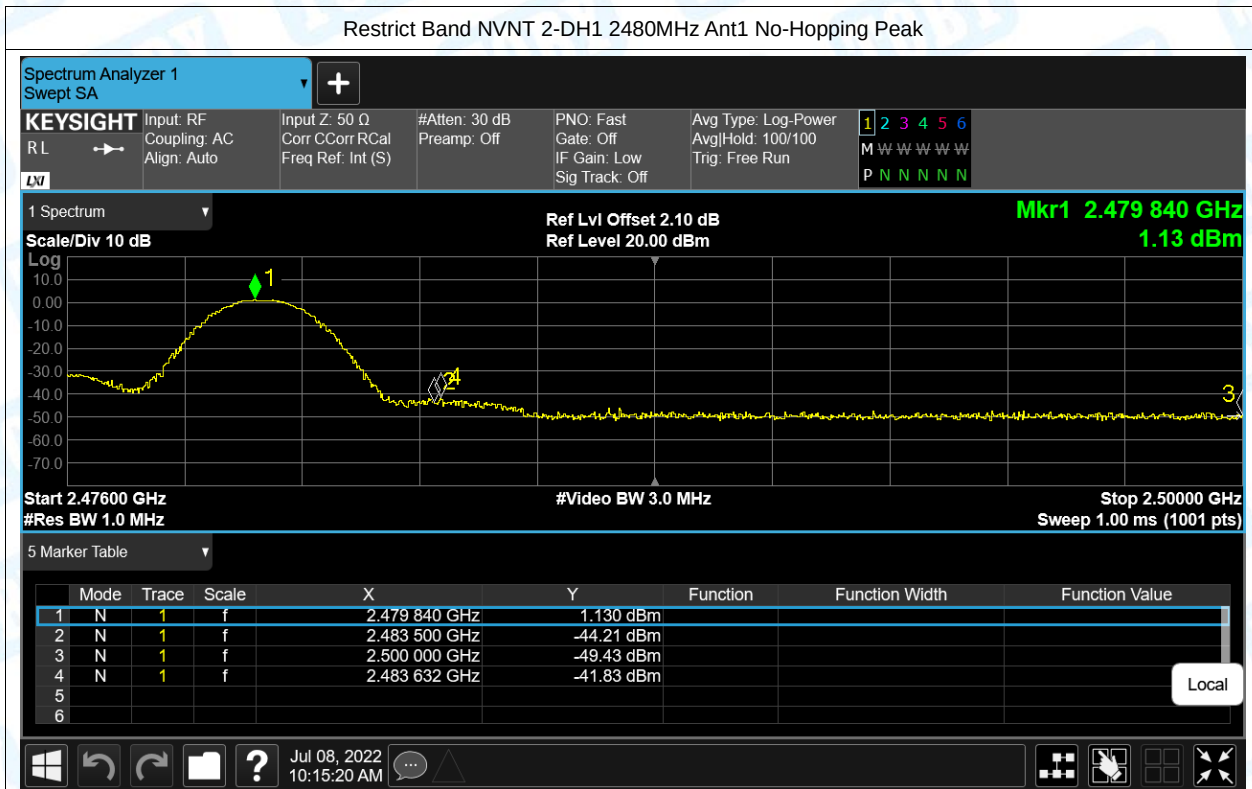
8. Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-49.41	2	47.85	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-58.95	2	38.31	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2372.88	-47.12	2	50.14	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2353.776	-58.09	2	39.17	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-50.3	2	46.96	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-58.75	2	38.51	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-42.51	2	54.75	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-49.97	2	47.29	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.824	-41.96	2	55.3	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.8	-48.93	2	48.33	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-50.78	2	46.48	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-58.76	2	38.5	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-49.85	2	47.41	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-59.25	2	38.01	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2364.144	-46.66	2	50.6	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2353.776	-58.13	2	39.13	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-49.8	2	47.46	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-58.83	2	38.43	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-44.21	2	53.05	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-50.72	2	46.54	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.632	-41.83	2	55.43	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.824	-50.24	2	47.02	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-49.43	2	47.83	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-58.93	2	38.33	Average	54	Pass



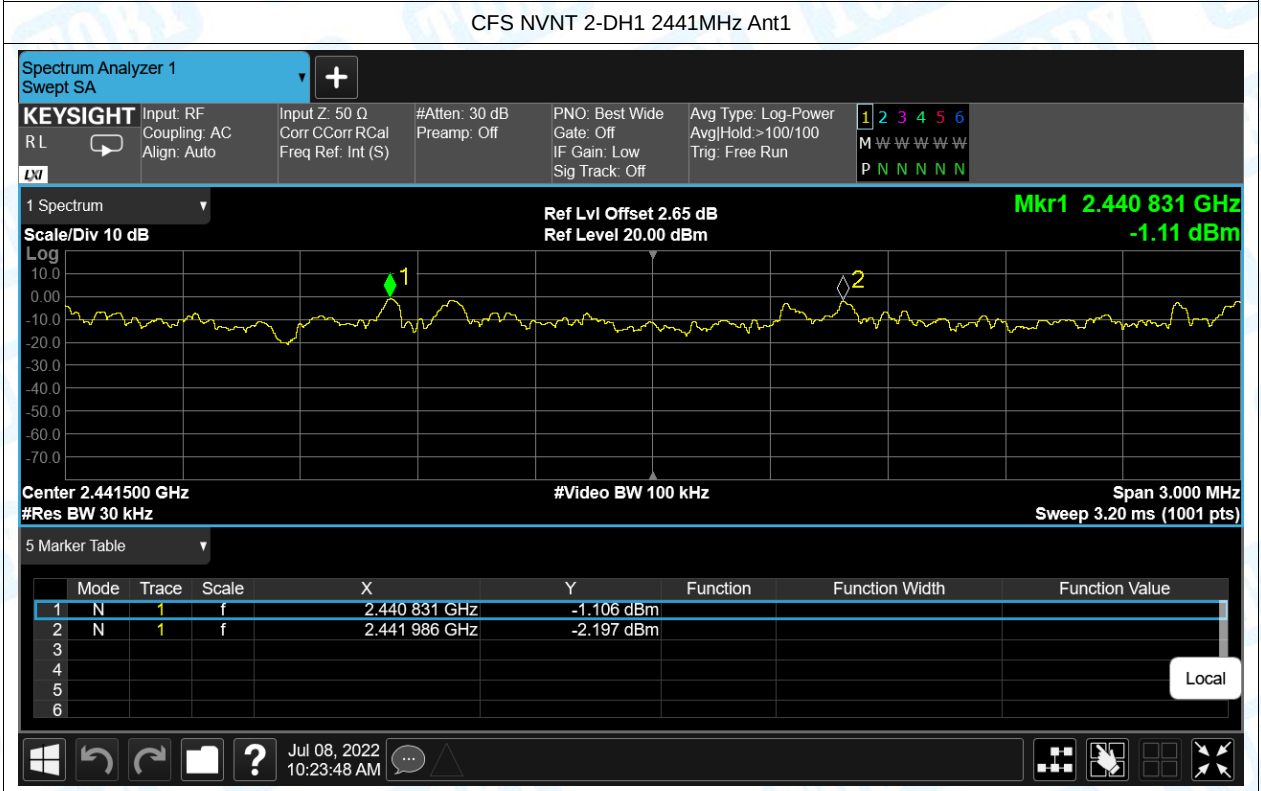
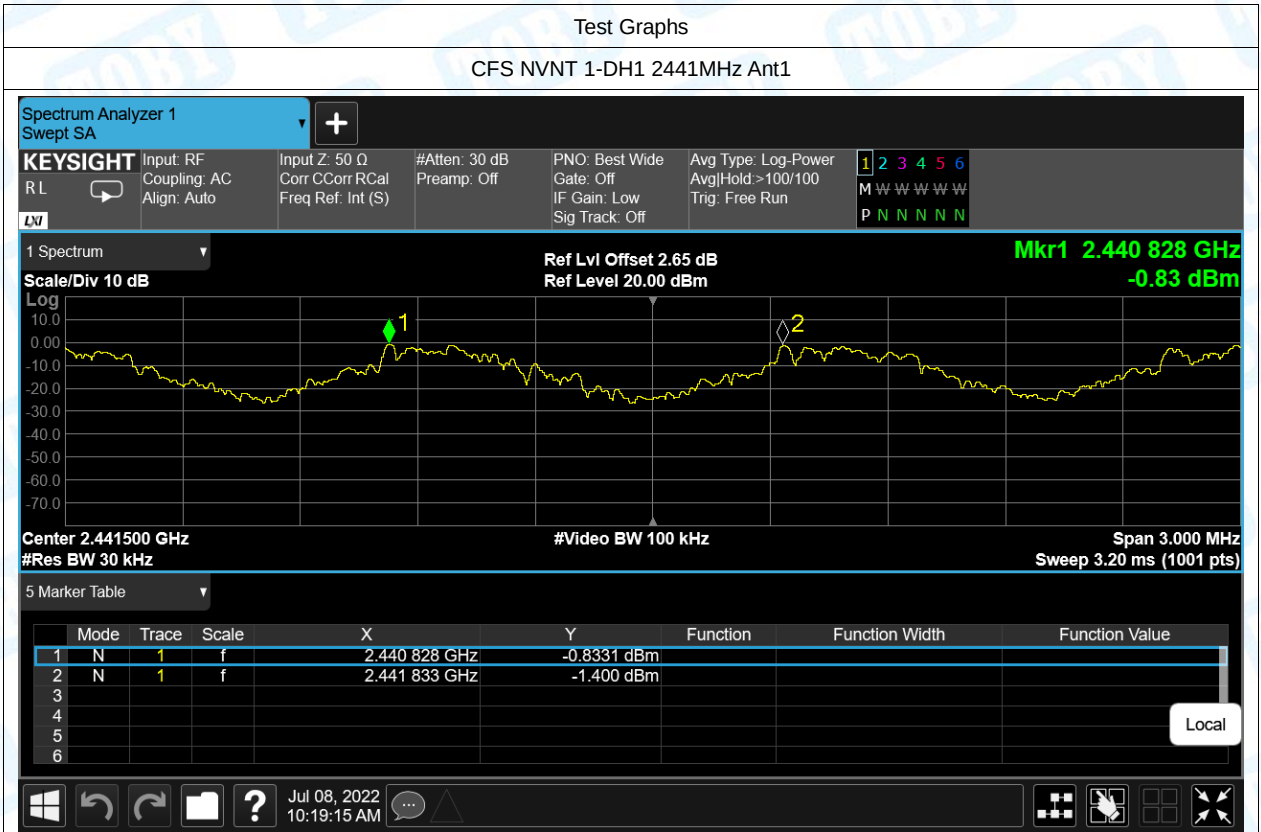






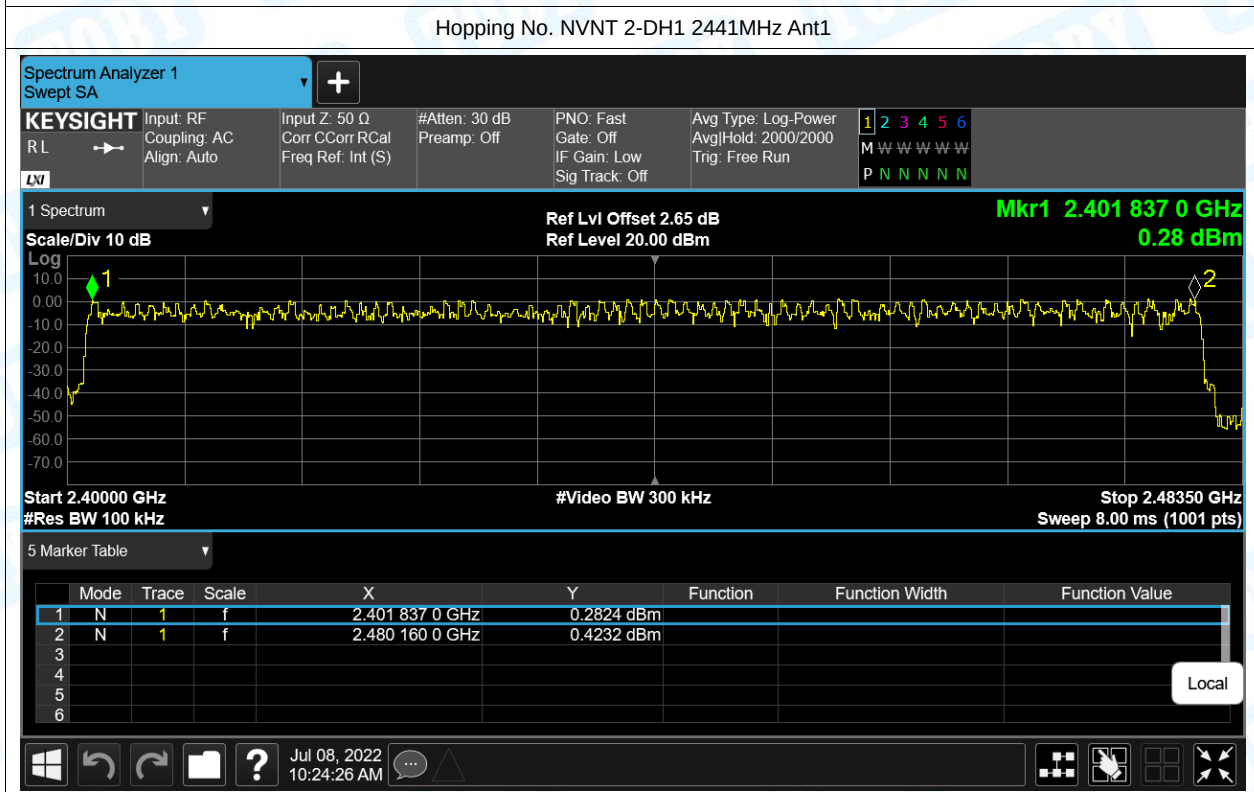
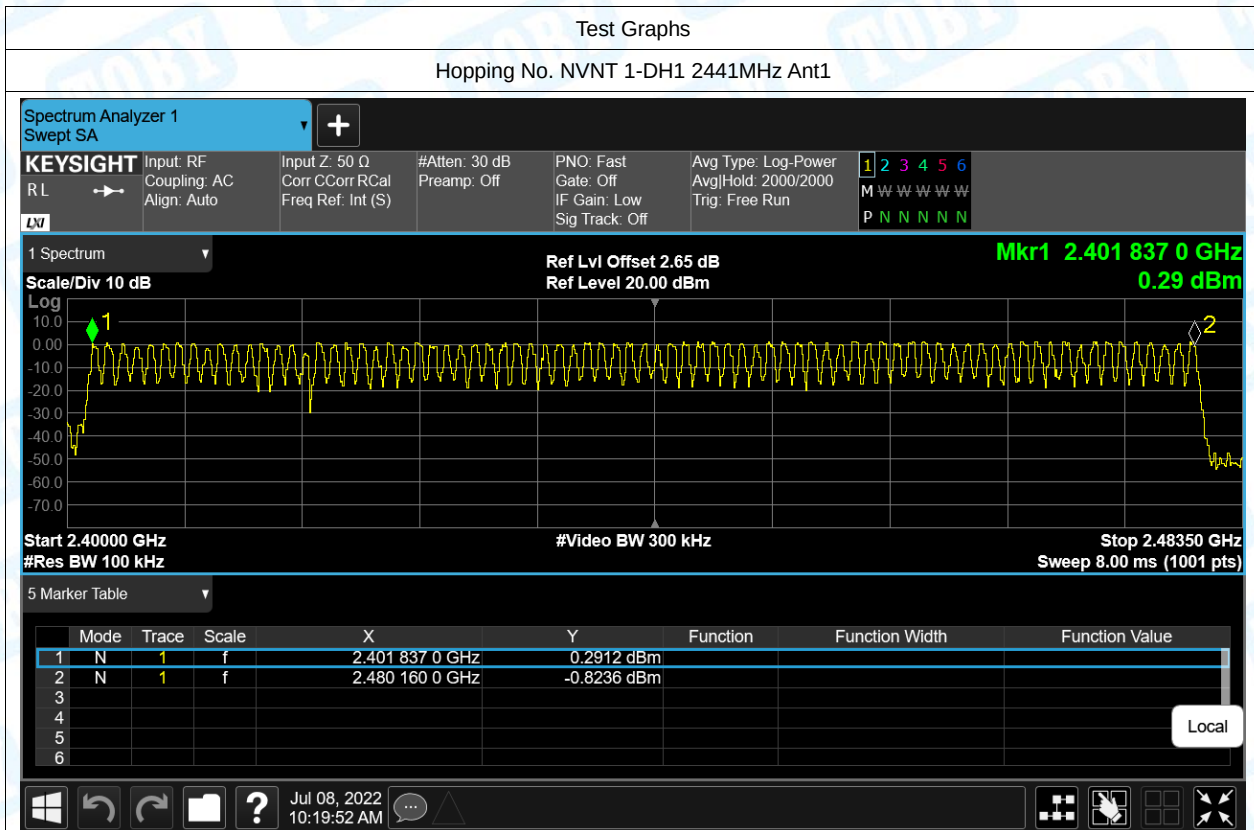
9. Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2440.828	2441.833	1.005	0.58	Pass
NVNT	2-DH1	Ant1	2440.831	2441.986	1.155	0.893	Pass



10. Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass



11. Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.376	120.32	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.632	261.12	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.88	307.2	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.386	123.52	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.632	261.12	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.885	307.733	31600	400	Pass

