

RF Test Data for 2.4G

(Conducted Measurements)

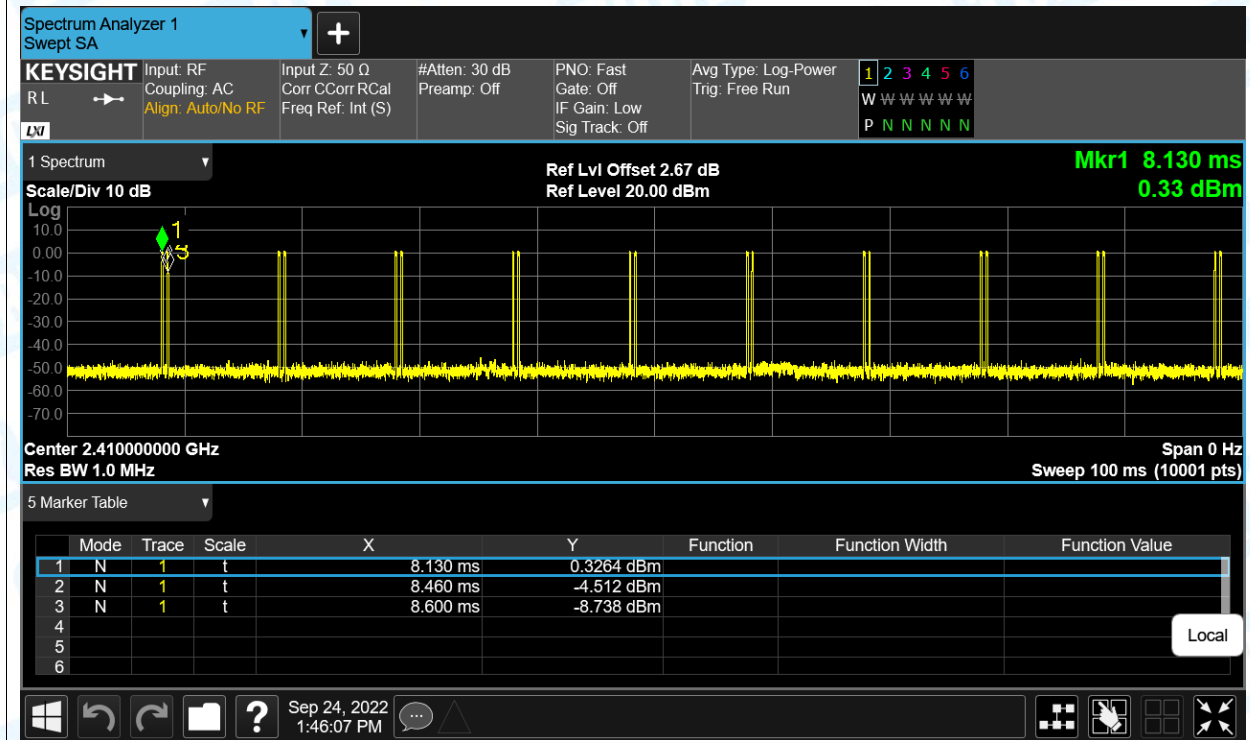
General Description of EUT	
Product Name:	REMOTE ESC-BLA
Test Model:	RV1
Sample ID:	RW-C-202206-0150-18-2#
Environmental Conditions	
Temperature:	23.8℃
Relative Humidity:	48%
Test Voltage:	DC 3.7V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202206-0150-27	

1. Duty Cycle

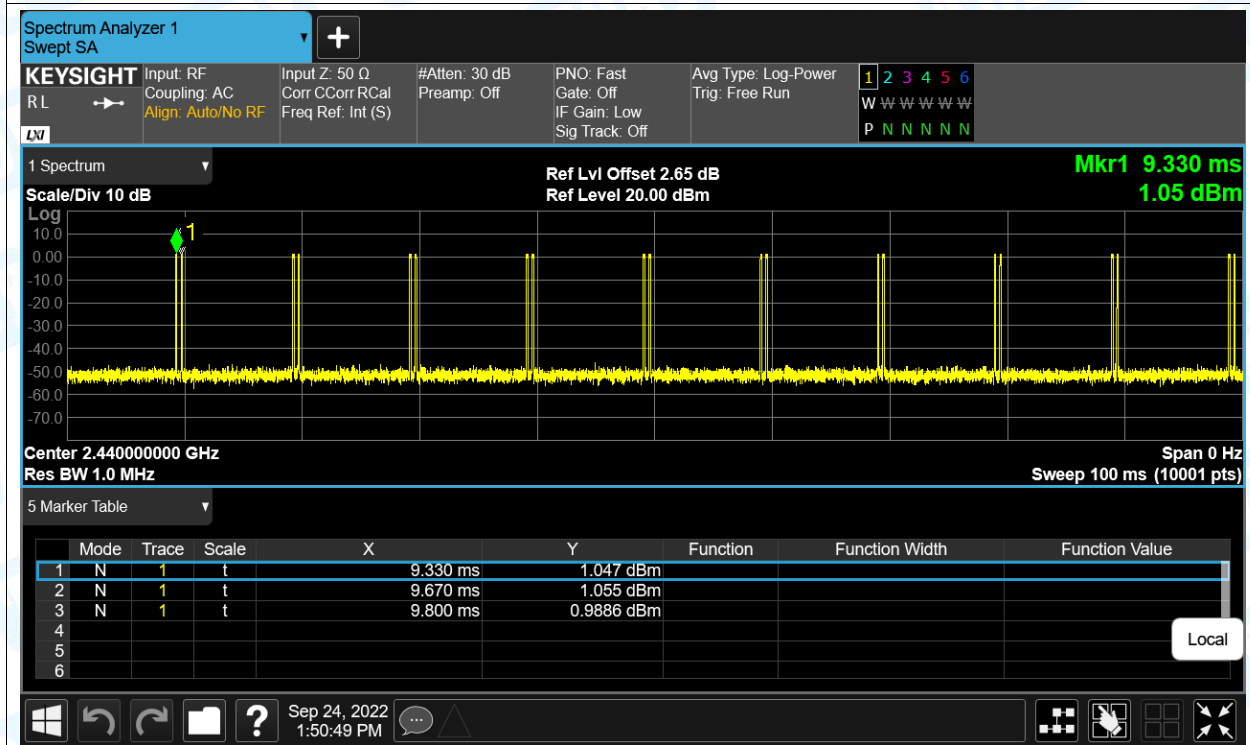
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	2.4G	2410	Ant1	29.79	5.26	7.14
NVNT	2.4G	2440	Ant1	27.66	5.58	7.69
NVNT	2.4G	2470	Ant1	28.26	5.49	7.69
Note: $Duty\ Cycle(\%) = \frac{ON(ms)}{ON(ms) + OFF(ms)}$ $ON(ms) = Maker3 - Maker2$ $(ON(ms) + OFF(ms)) = Maker3 - Maker1$						

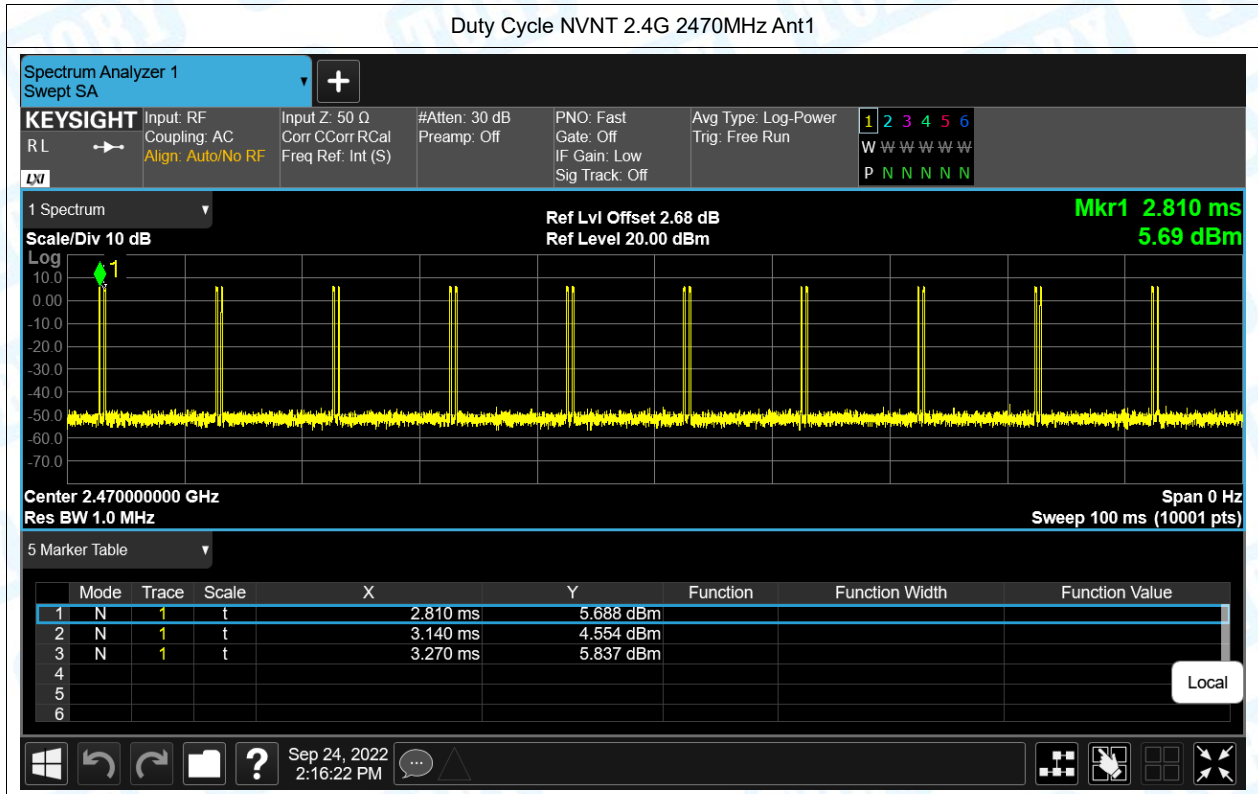
Test Graphs

Duty Cycle NVNT 2.4G 2410MHz Ant1



Duty Cycle NVNT 2.4G 2440MHz Ant1



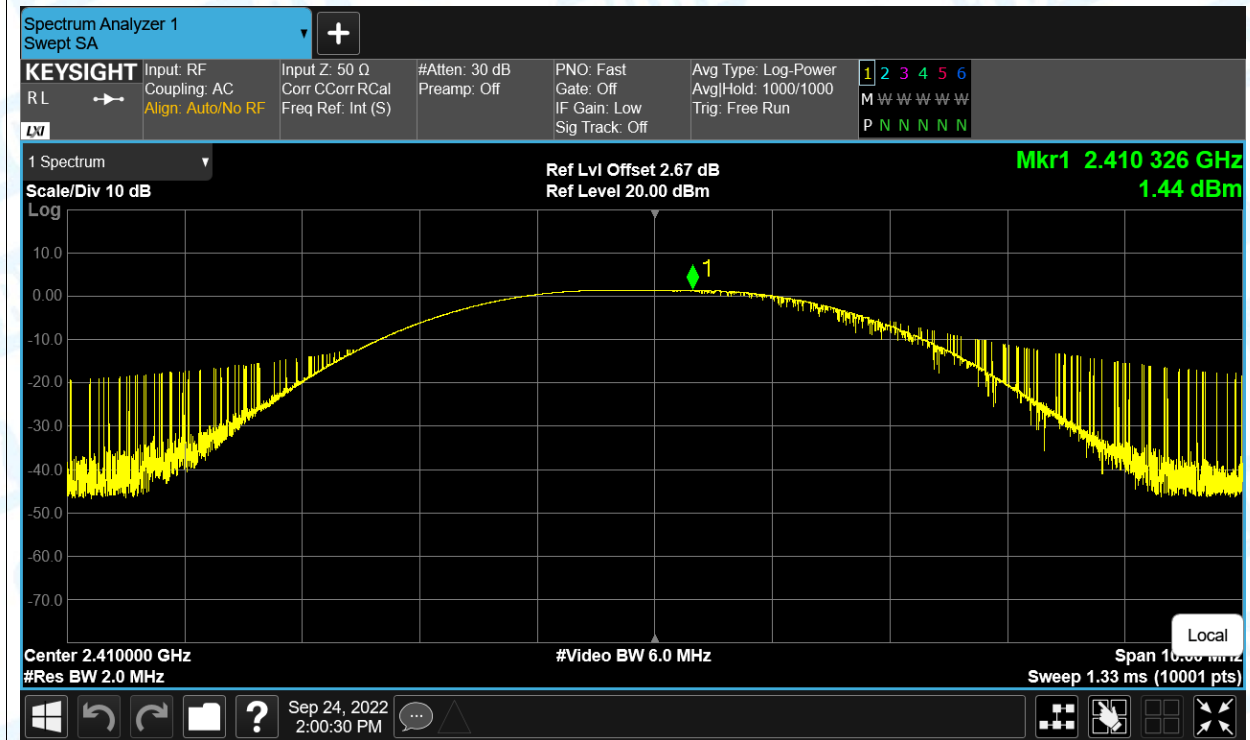


2. Maximum Conducted Output Power

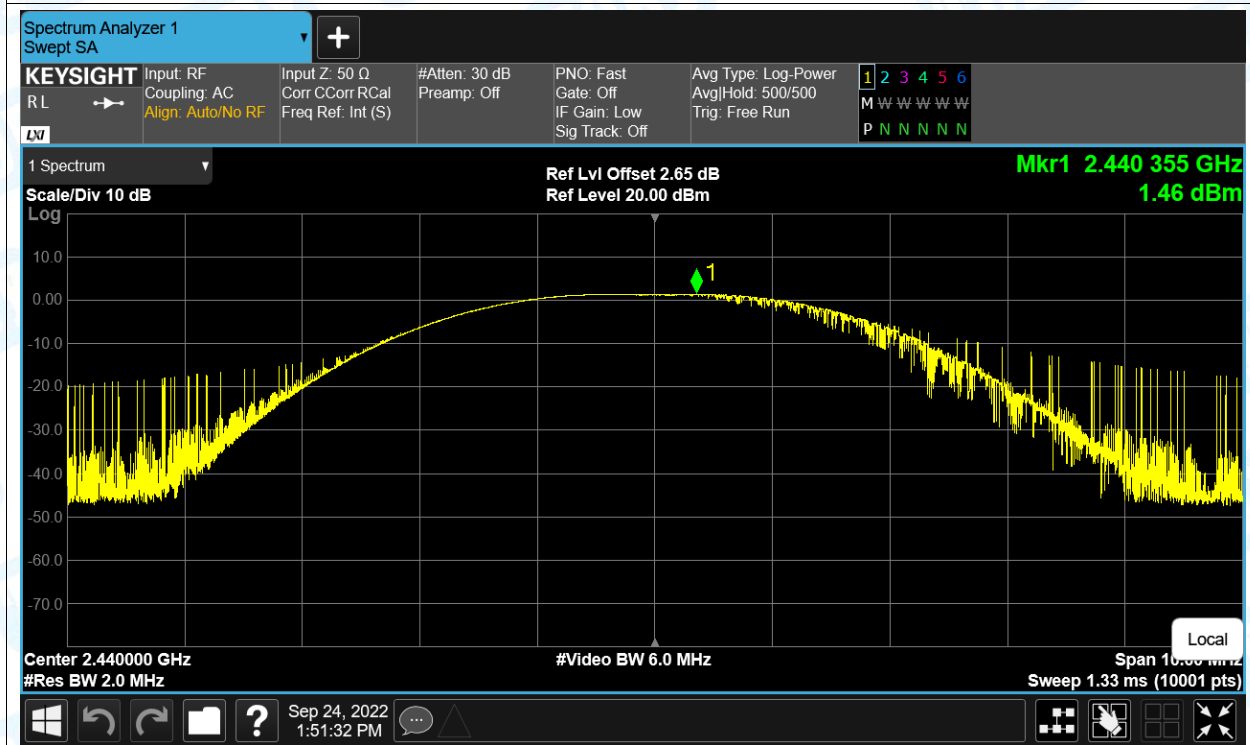
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	2.4G	2410	Ant1	1.44	30	Pass
NVNT	2.4G	2440	Ant1	1.46	30	Pass
NVNT	2.4G	2470	Ant1	2.39	30	Pass

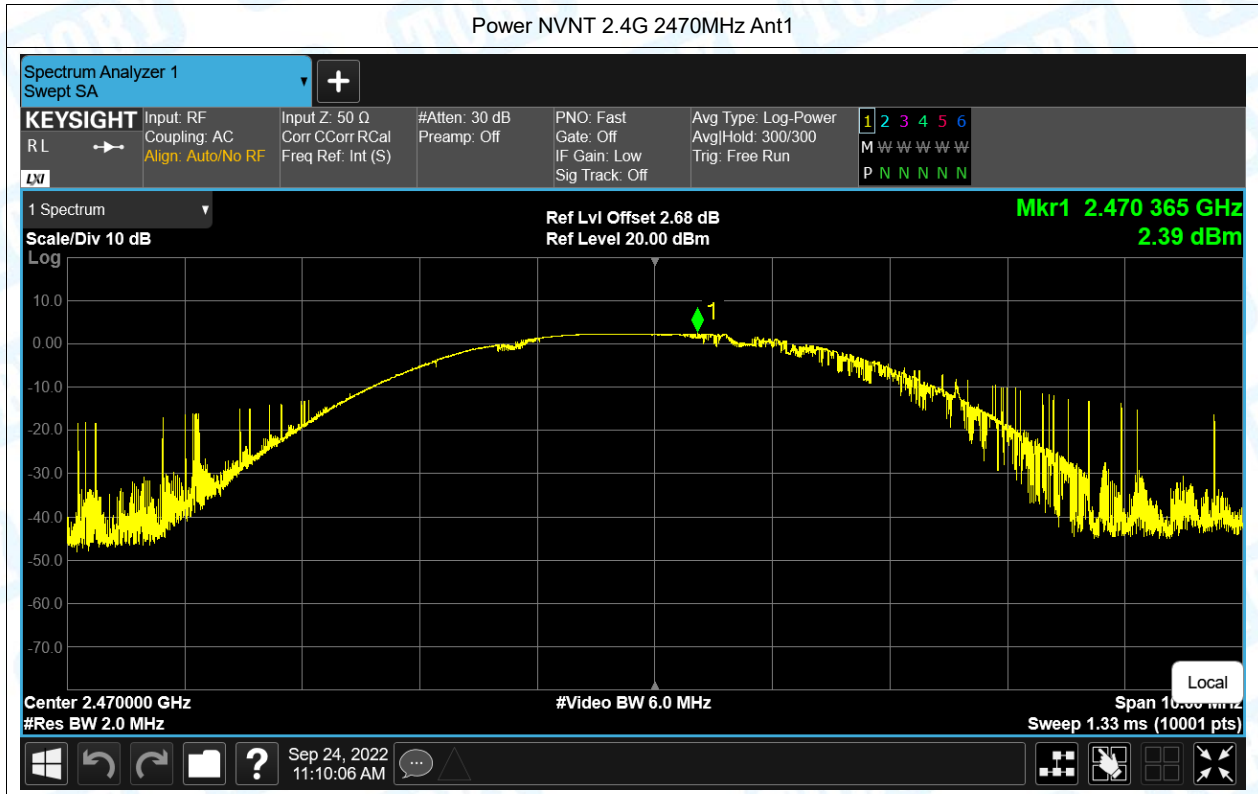
Test Graphs

Power NVNT 2.4G 2410MHz Ant1



Power NVNT 2.4G 2440MHz Ant1

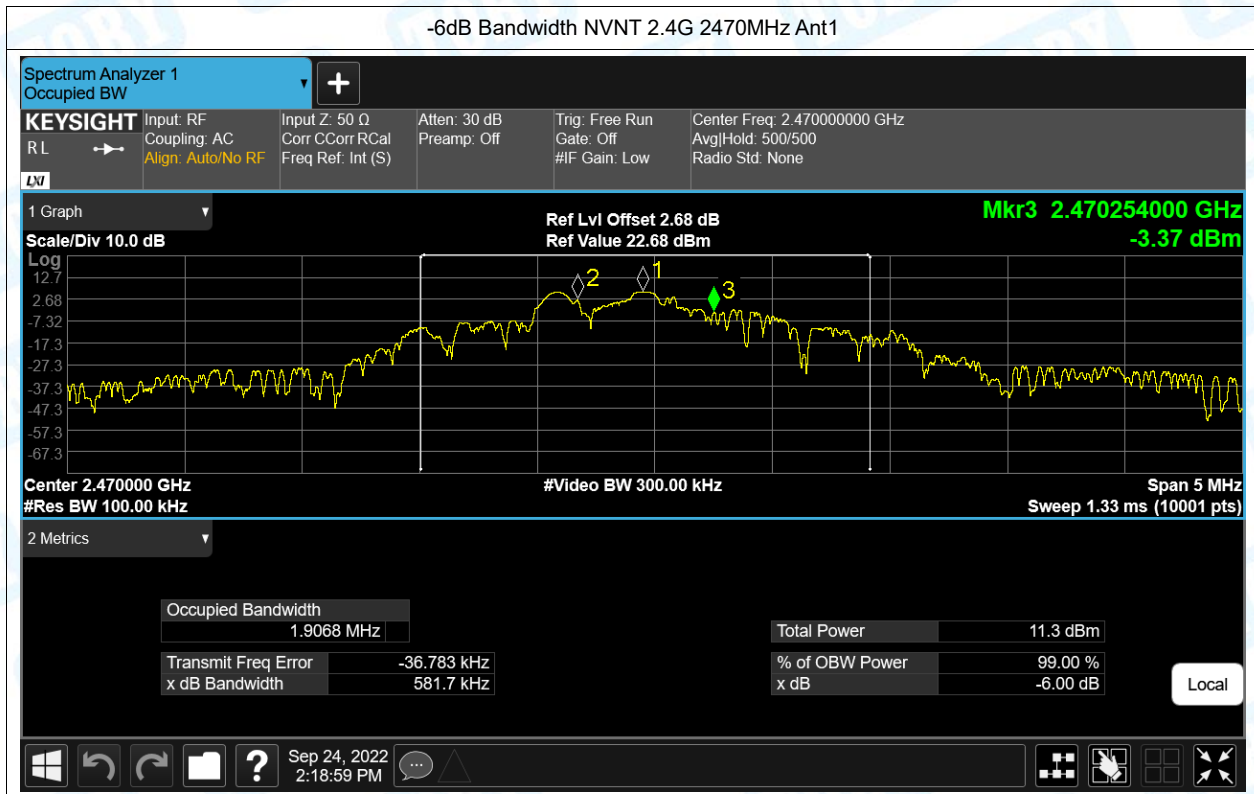




3. -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	2.4G	2410	Ant1	0.68	0.5	Pass
NVNT	2.4G	2440	Ant1	0.71	0.5	Pass
NVNT	2.4G	2470	Ant1	0.58	0.5	Pass



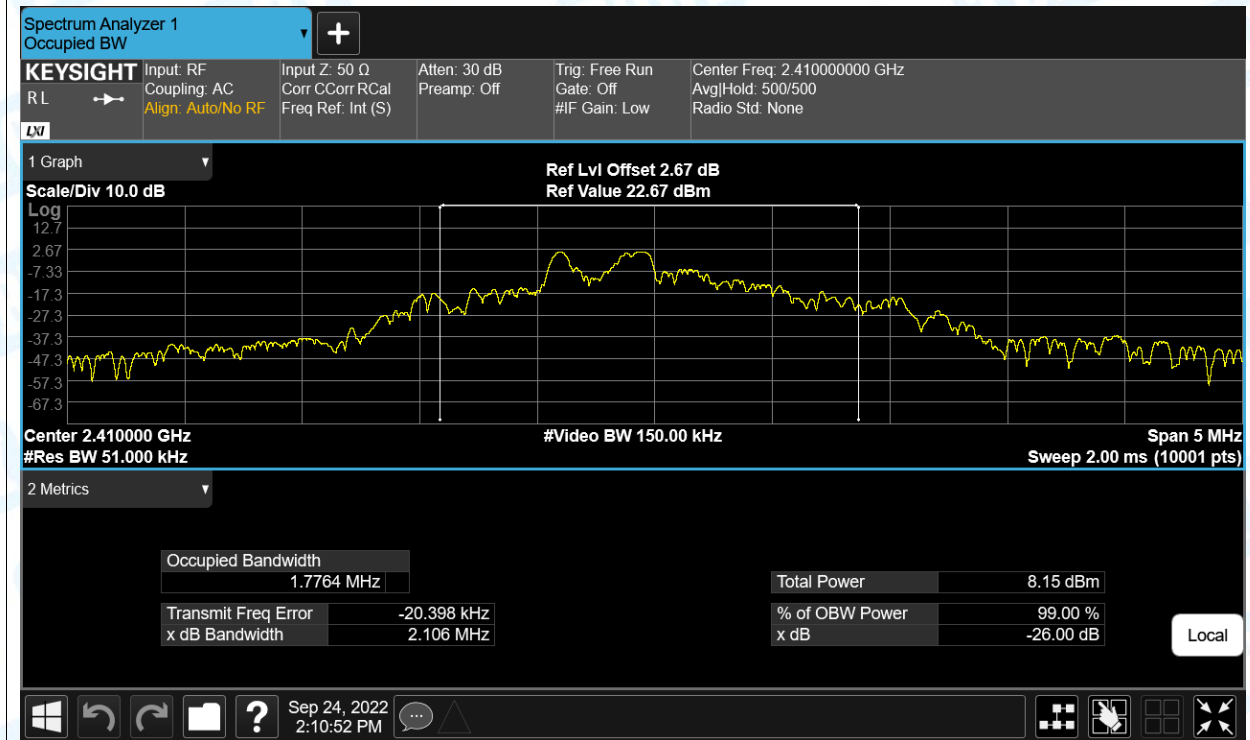


4. Occupied Channel Bandwidth

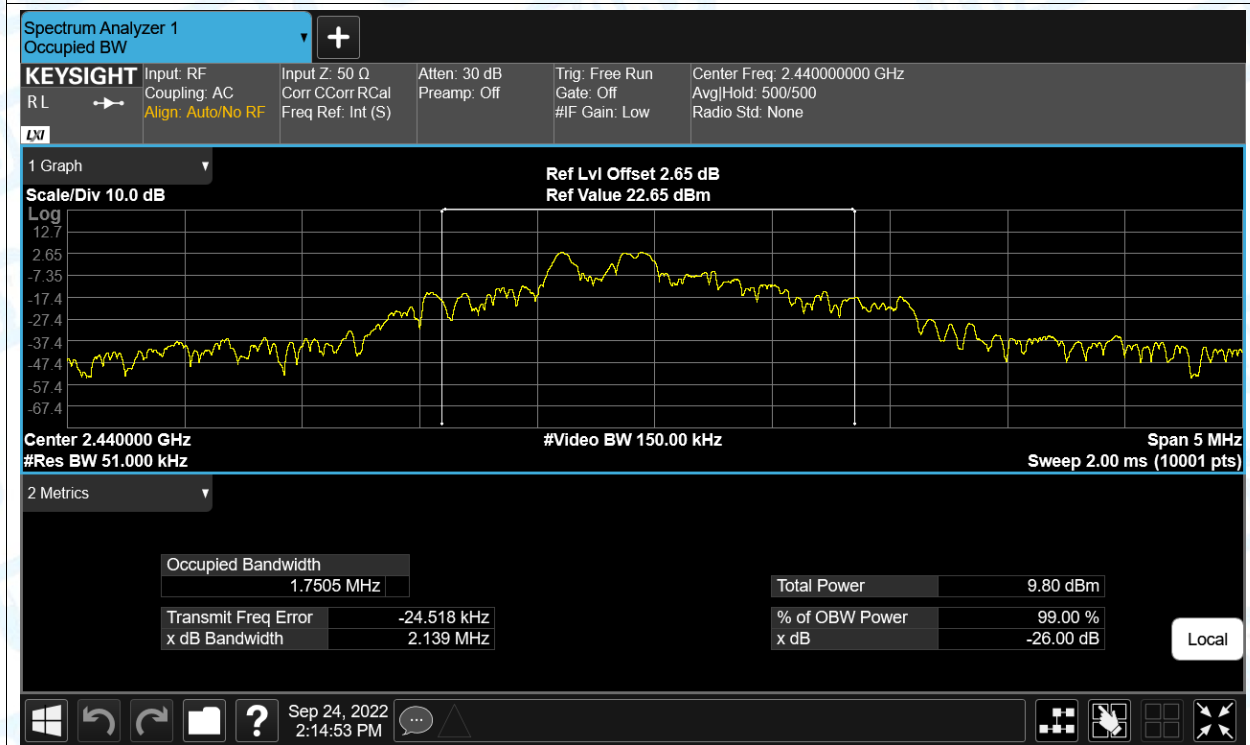
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	2.4G	2410	Ant1	1.776
NVNT	2.4G	2440	Ant1	1.75
NVNT	2.4G	2470	Ant1	1.846

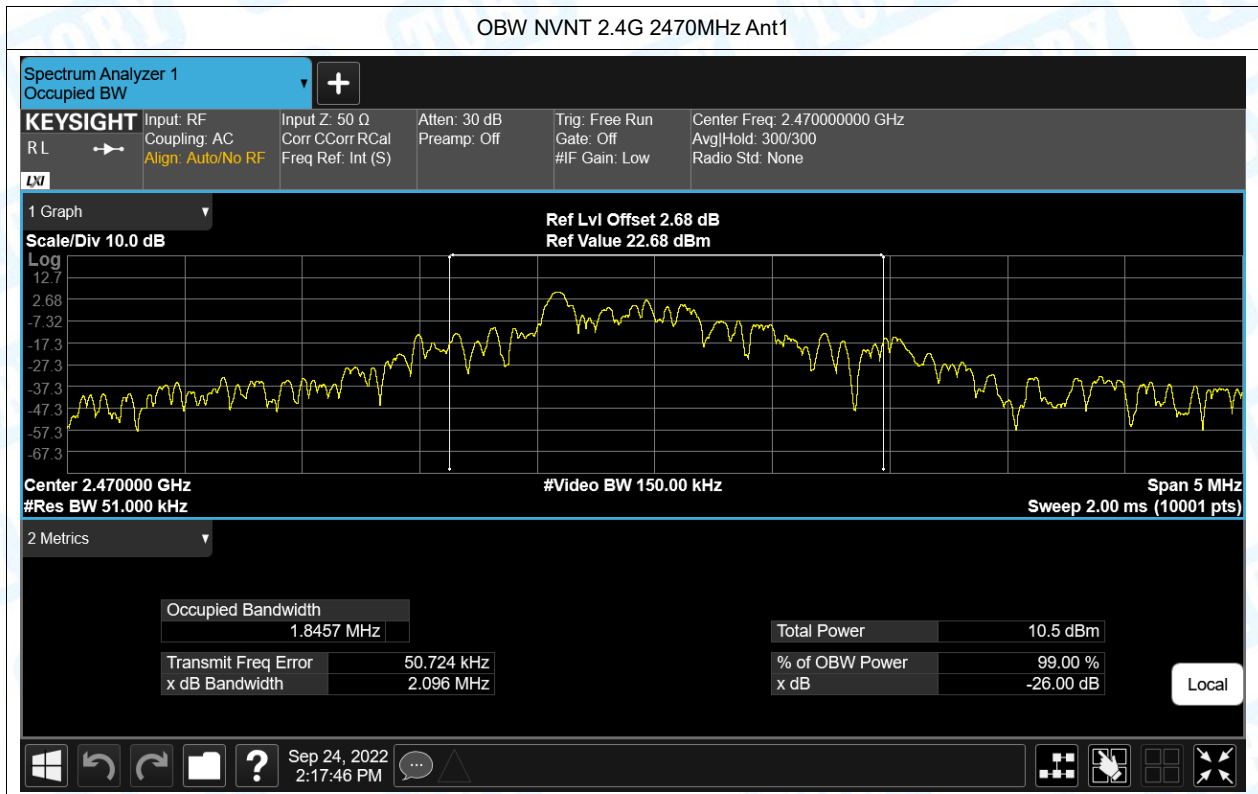
Test Graphs

OBW NVNT 2.4G 2410MHz Ant1



OBW NVNT 2.4G 2440MHz Ant1

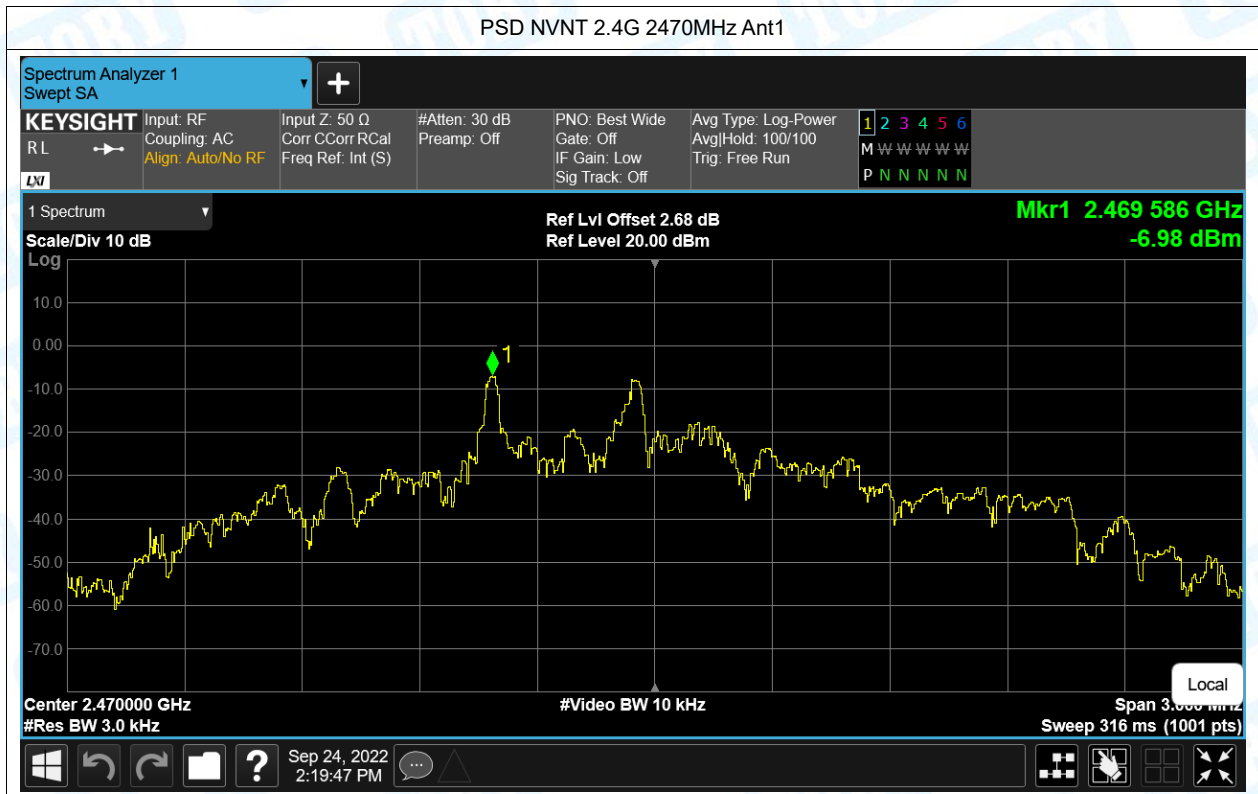




5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	2.4G	2410	Ant1	-11.628	8	Pass
NVNT	2.4G	2440	Ant1	-11.43	8	Pass
NVNT	2.4G	2470	Ant1	-6.977	8	Pass



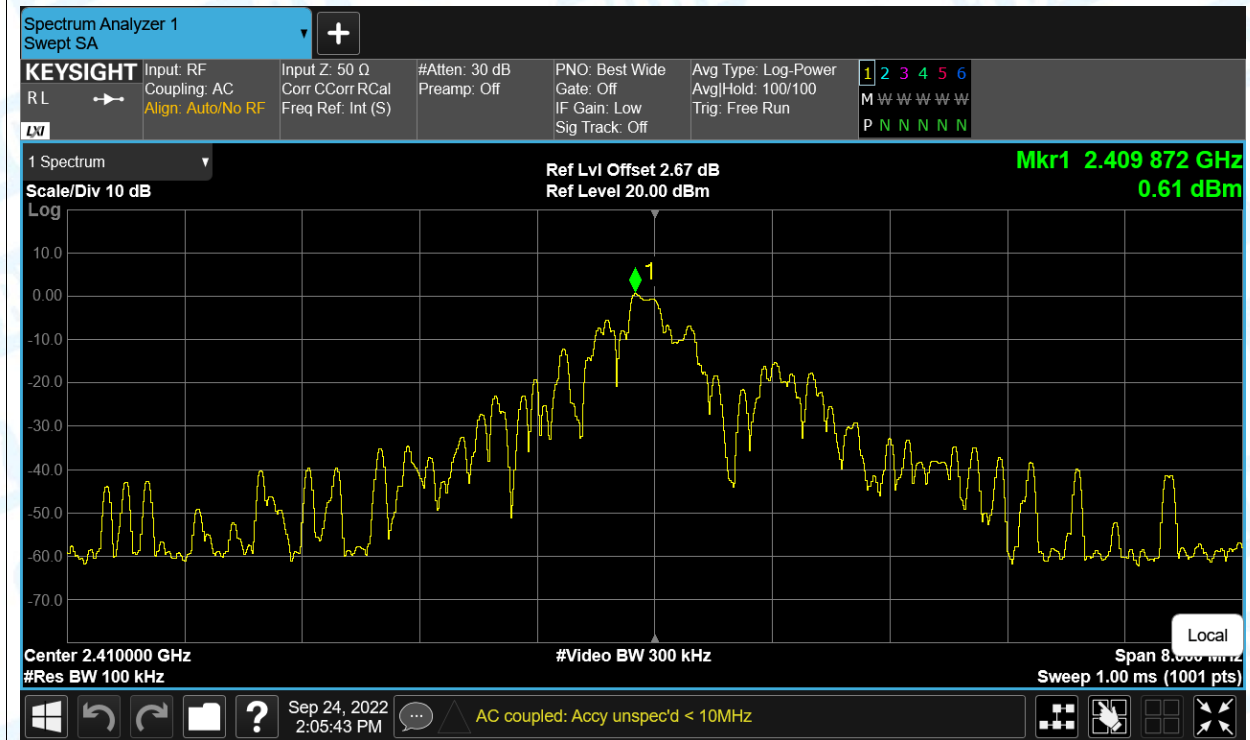


6. Band Edge

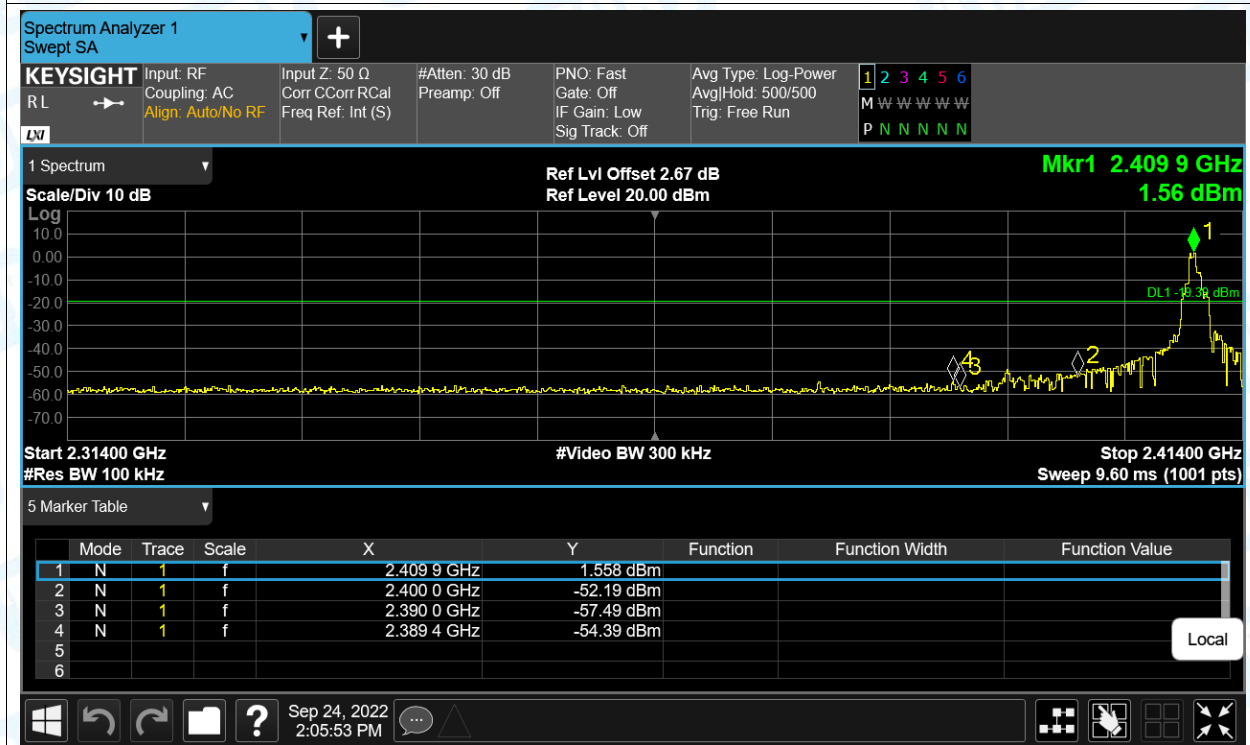
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2410	Ant1	-55	-20	Pass
NVNT	2.4G	2470	Ant1	-44.89	-20	Pass

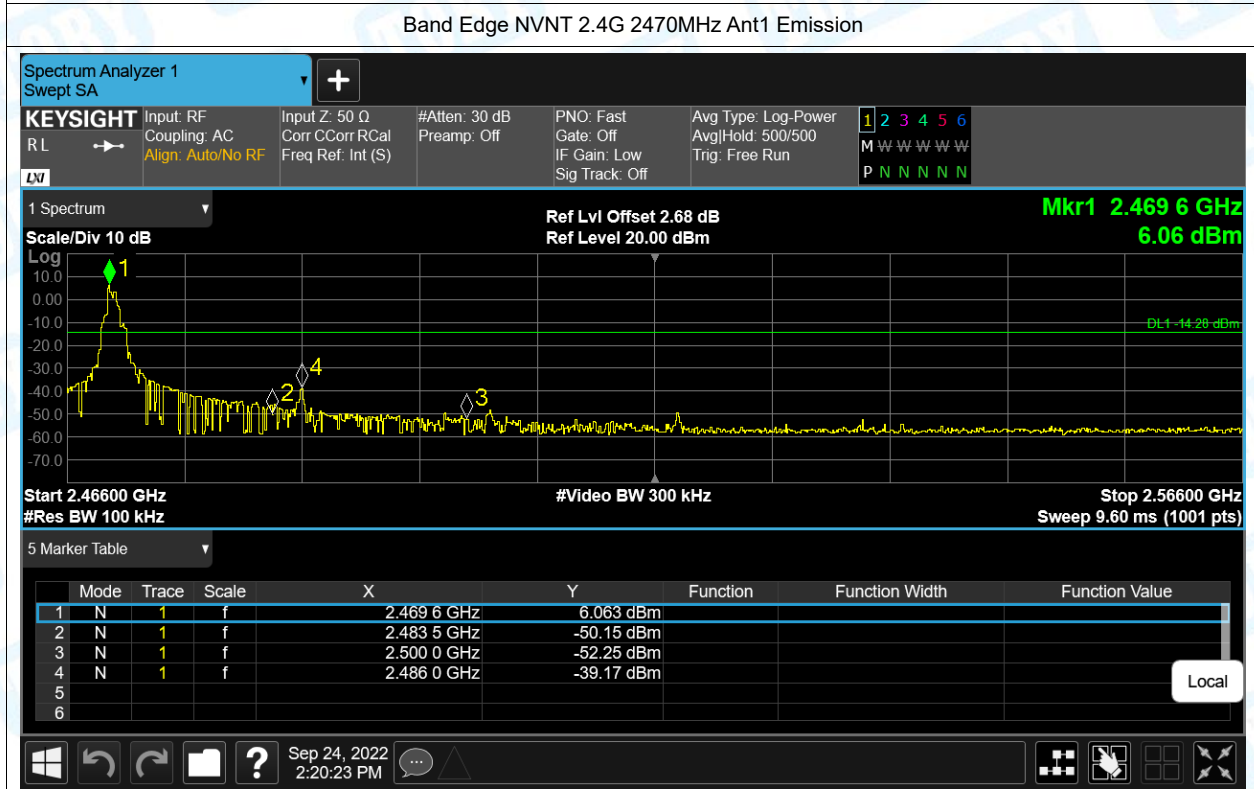
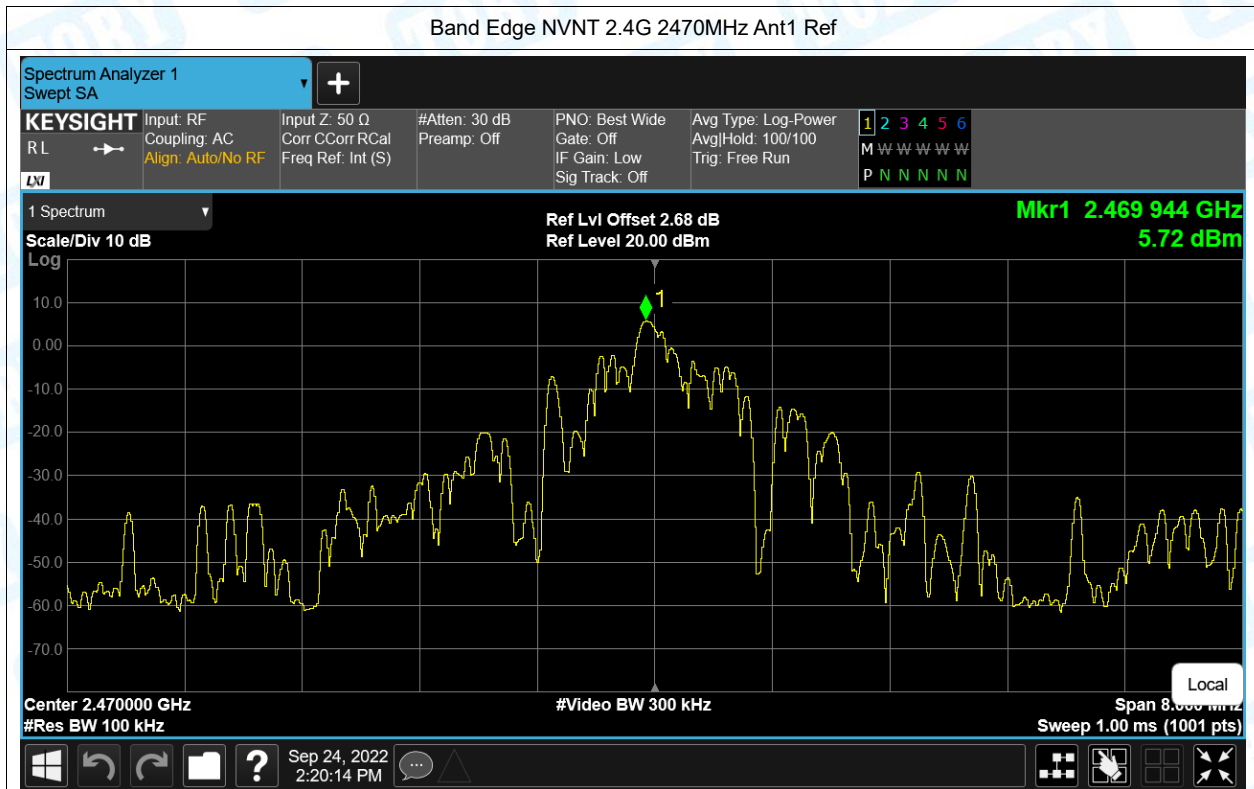
Test Graphs

Band Edge NVNT 2.4G 2410MHz Ant1 Ref



Band Edge NVNT 2.4G 2410MHz Ant1 Emission



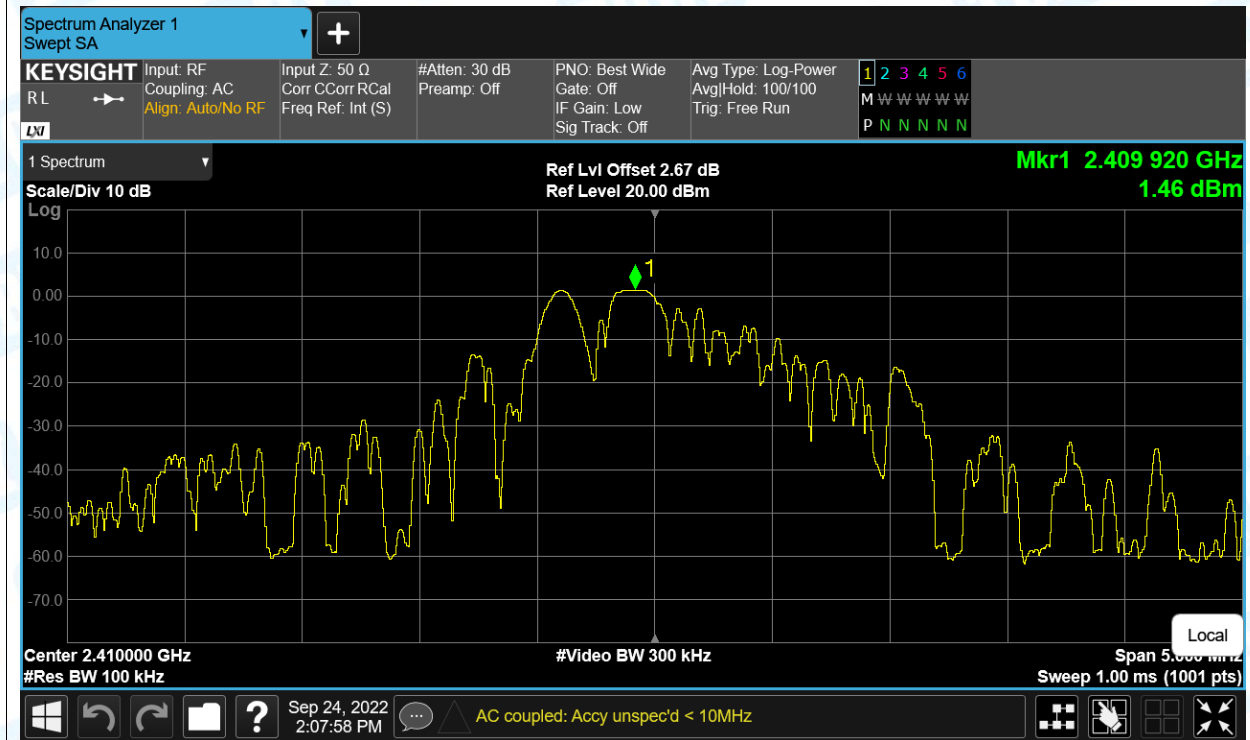


7. Conducted RF Spurious Emission

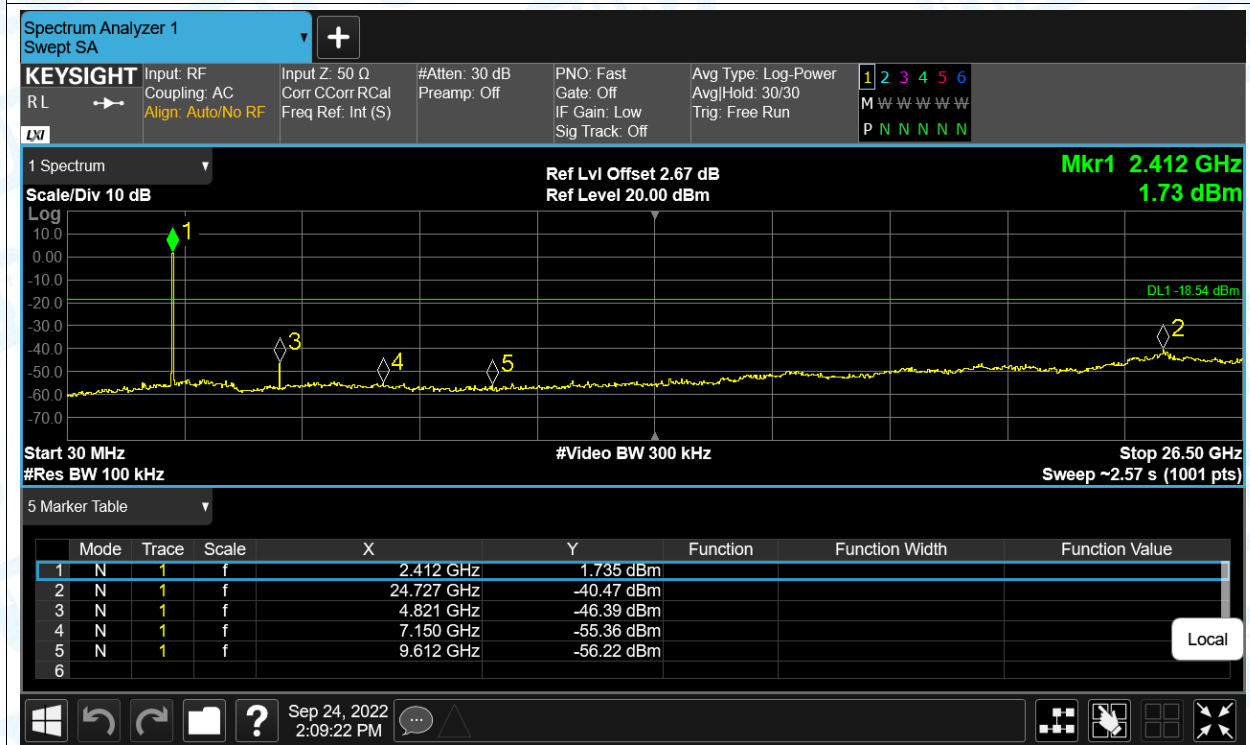
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2410	Ant1	-41.93	-20	Pass
NVNT	2.4G	2440	Ant1	-30.04	-20	Pass
NVNT	2.4G	2470	Ant1	-34.07	-20	Pass

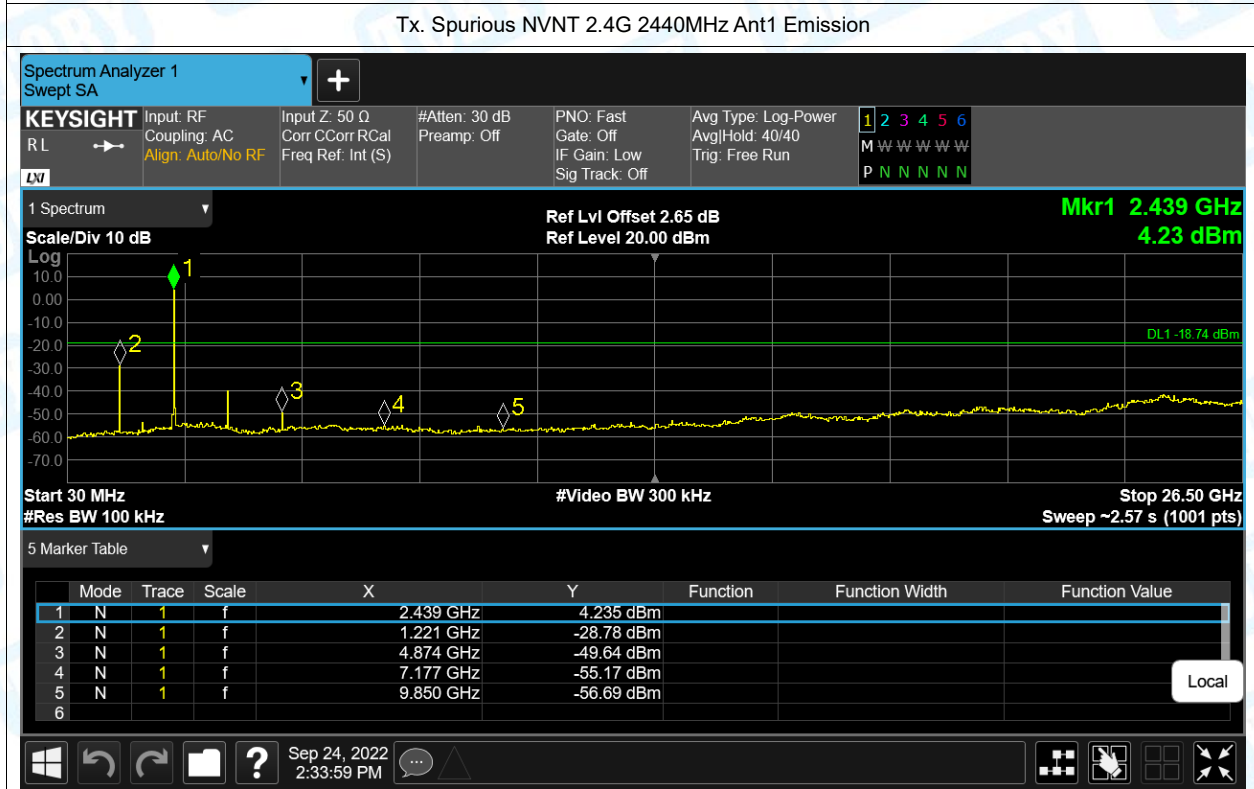
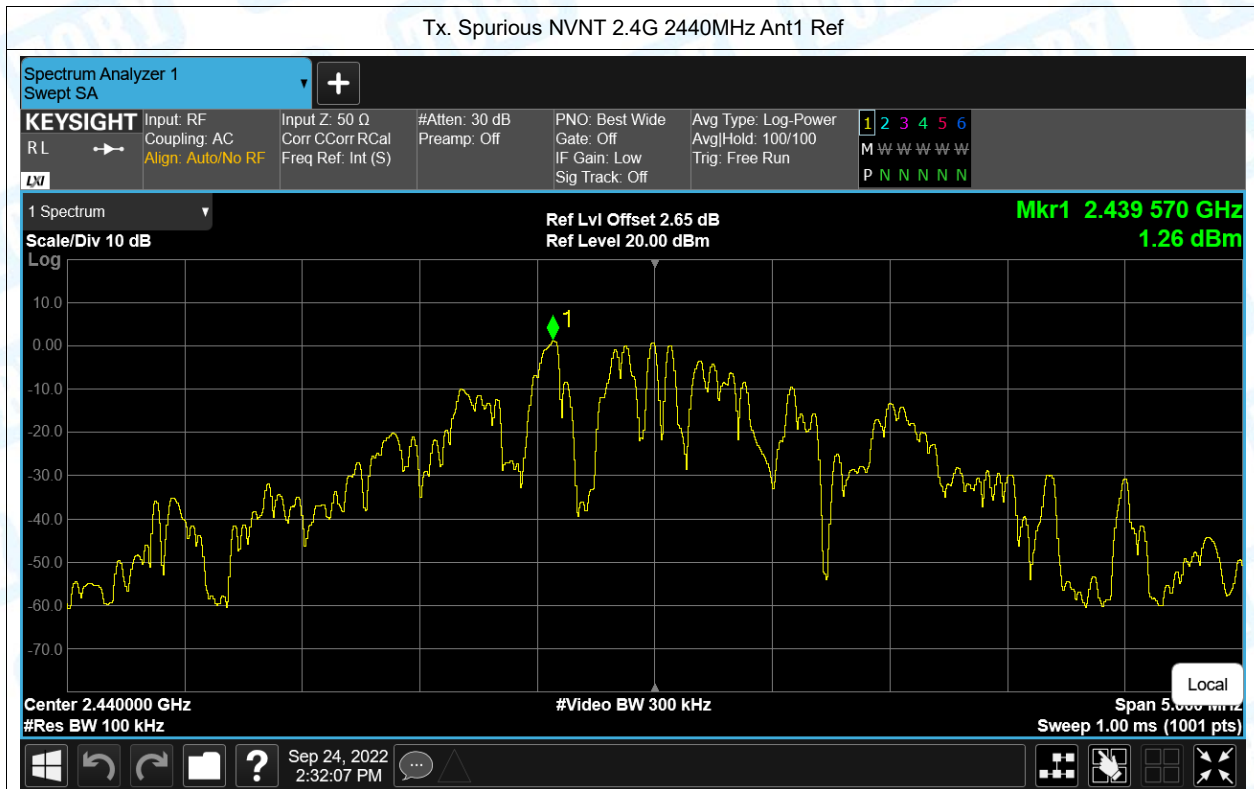
Test Graphs

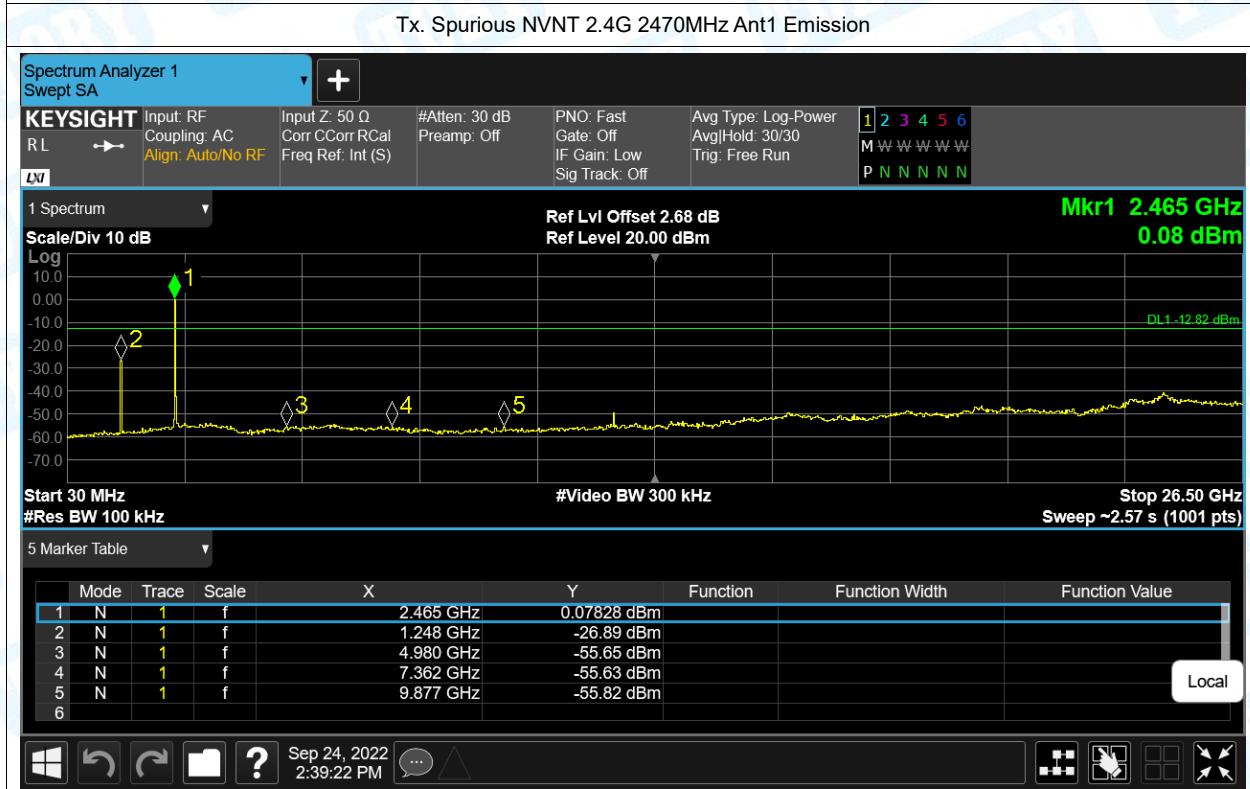
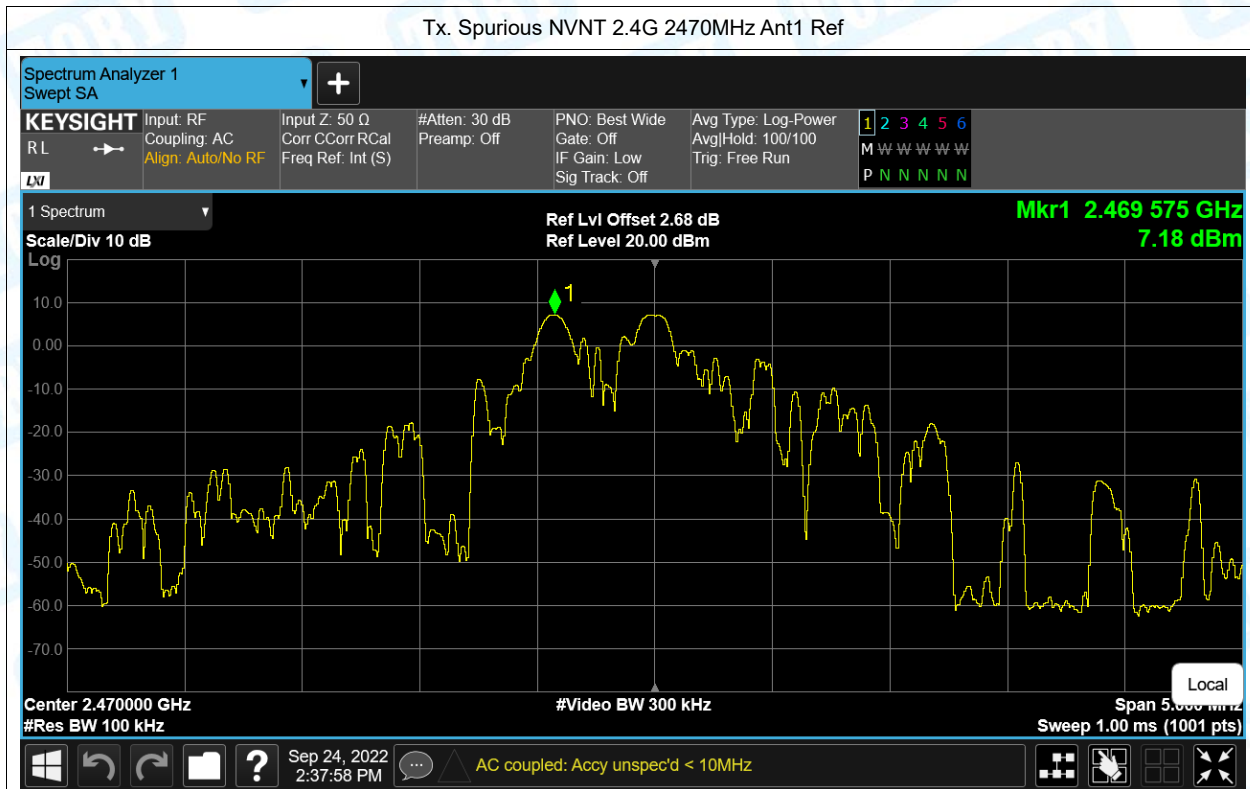
Tx. Spurious NVNT 2.4G 2410MHz Ant1 Ref



Tx. Spurious NVNT 2.4G 2410MHz Ant1 Emission





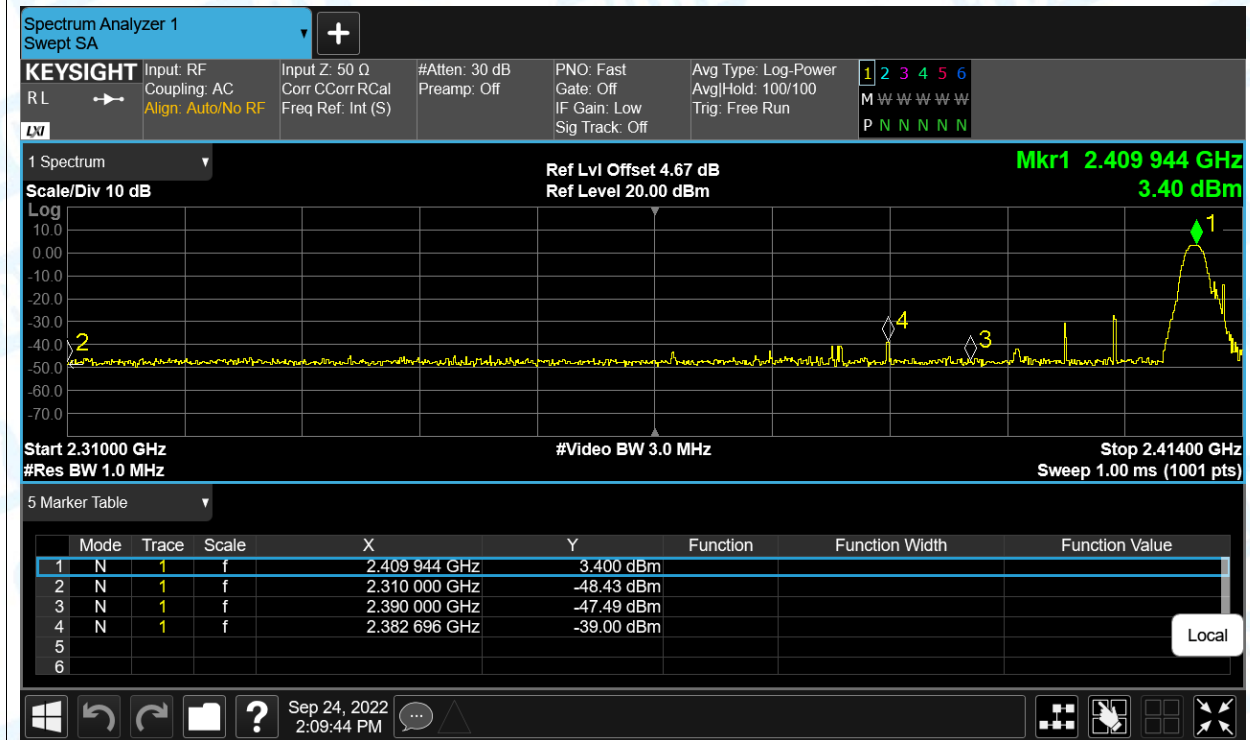


8. Restrict Band

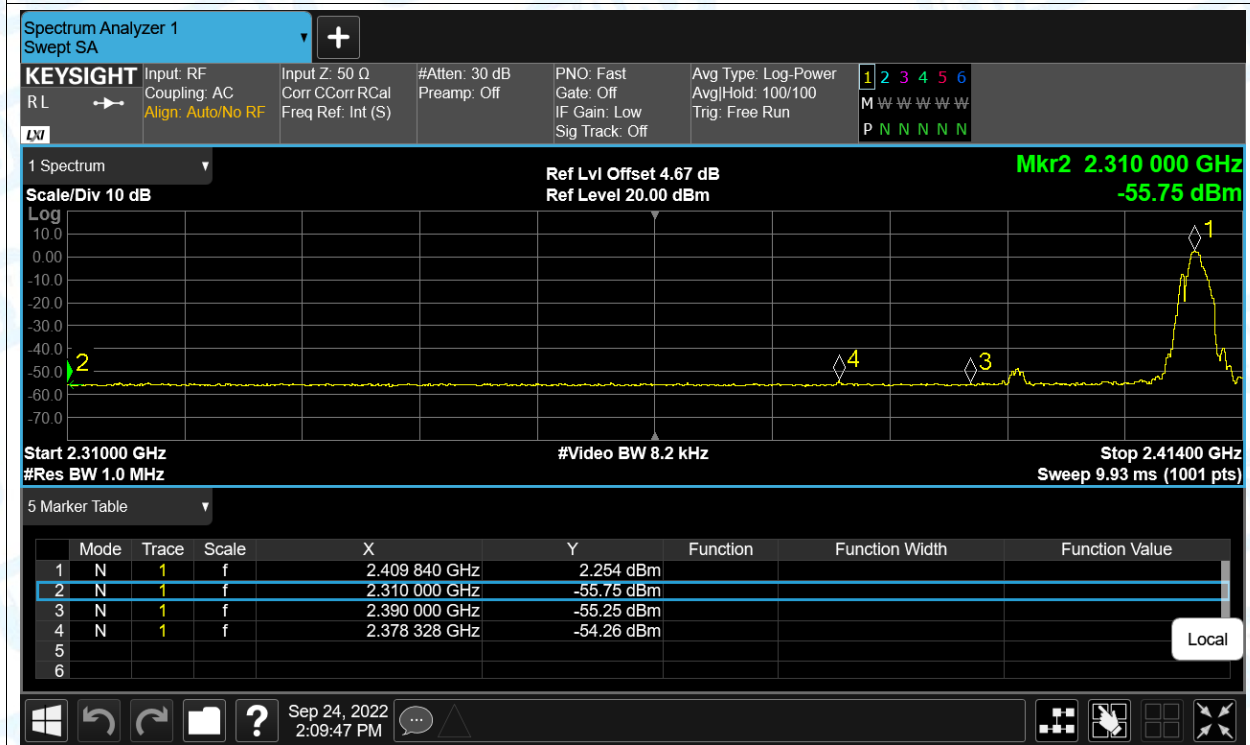
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	2.4G	2410	Ant1	2310	-48.43	2	48.83	Peak	74	Pass
NVNT	2.4G	2410	Ant1	2310	-55.75	2	41.51	Average	54	Pass
NVNT	2.4G	2410	Ant1	2382.696	-39	2	58.26	Peak	74	Pass
NVNT	2.4G	2410	Ant1	2378.328	-54.26	2	43	Average	54	Pass
NVNT	2.4G	2410	Ant1	2390	-47.61	2	49.65	Peak	74	Pass
NVNT	2.4G	2410	Ant1	2390	-55.61	2	41.65	Average	54	Pass
NVNT	2.4G	2470	Ant1	2483.5	-45.85	2	51.41	Peak	74	Pass
NVNT	2.4G	2470	Ant1	2483.5	-55.77	2	41.49	Average	54	Pass
NVNT	2.4G	2470	Ant1	2485.448	-26.14	2	71.12	Peak	74	Pass
NVNT	2.4G	2470	Ant1	2485.38	-46.1	2	51.16	Average	54	Pass
NVNT	2.4G	2470	Ant1	2500	-47.81	2	49.45	Peak	74	Pass
NVNT	2.4G	2470	Ant1	2500	-55.81	2	41.45	Average	54	Pass

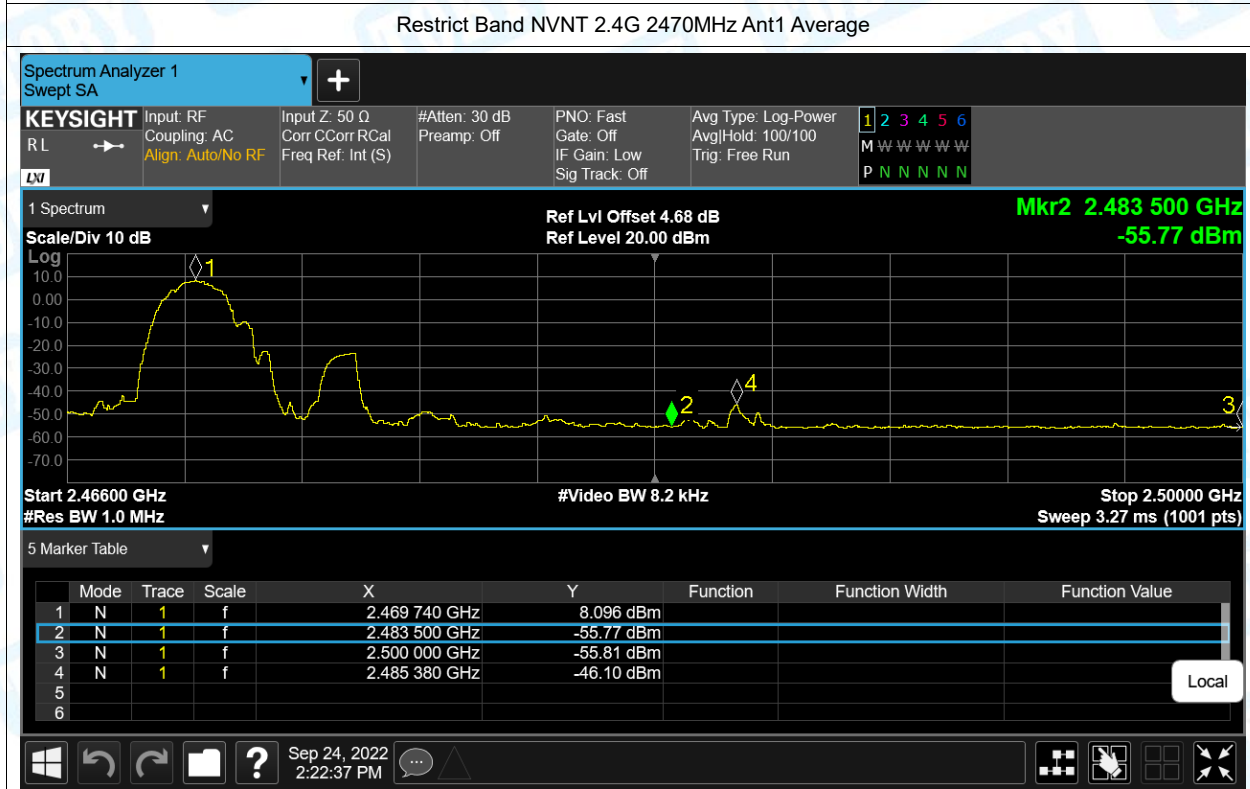
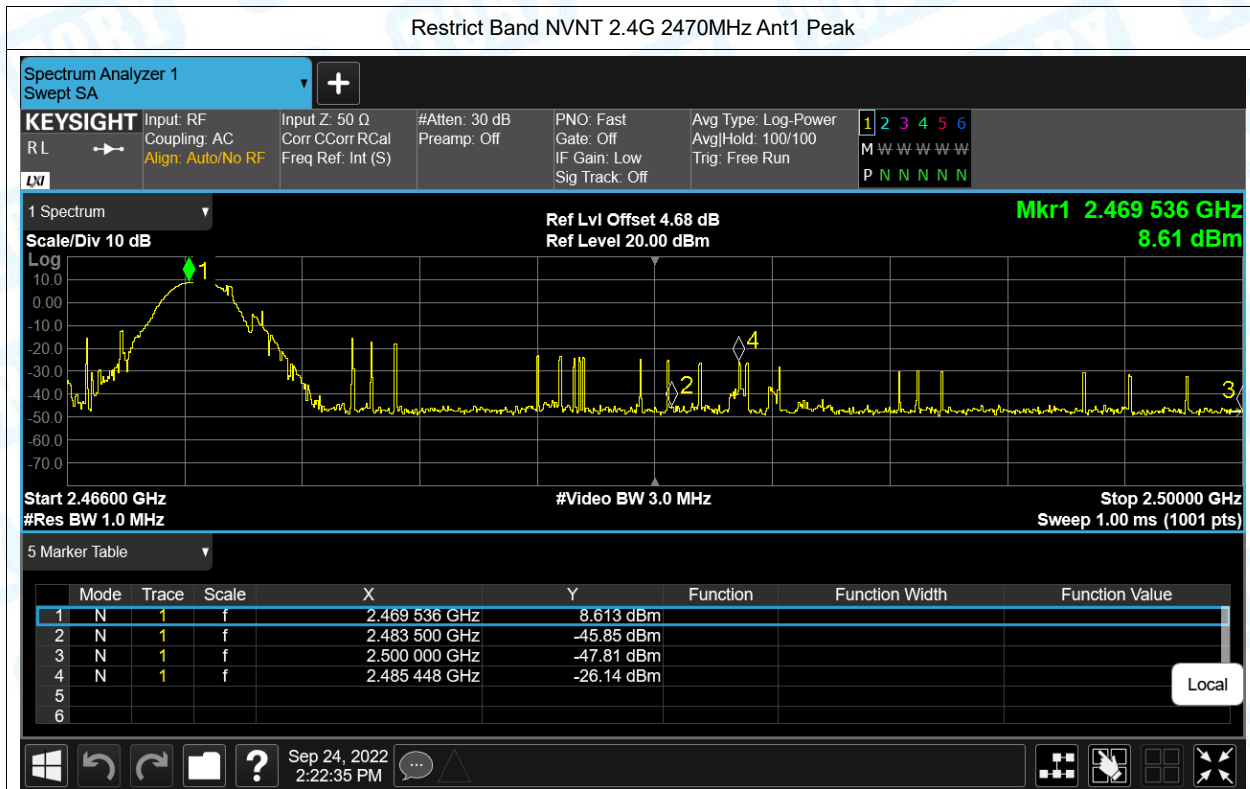
Test Graphs

Restrict Band NVNT 2.4G 2410MHz Ant1 Peak



Restrict Band NVNT 2.4G 2410MHz Ant1 Average





-----END OF REPORT-----