

RF Test Data for 2.4GHz (Conducted Measurements)

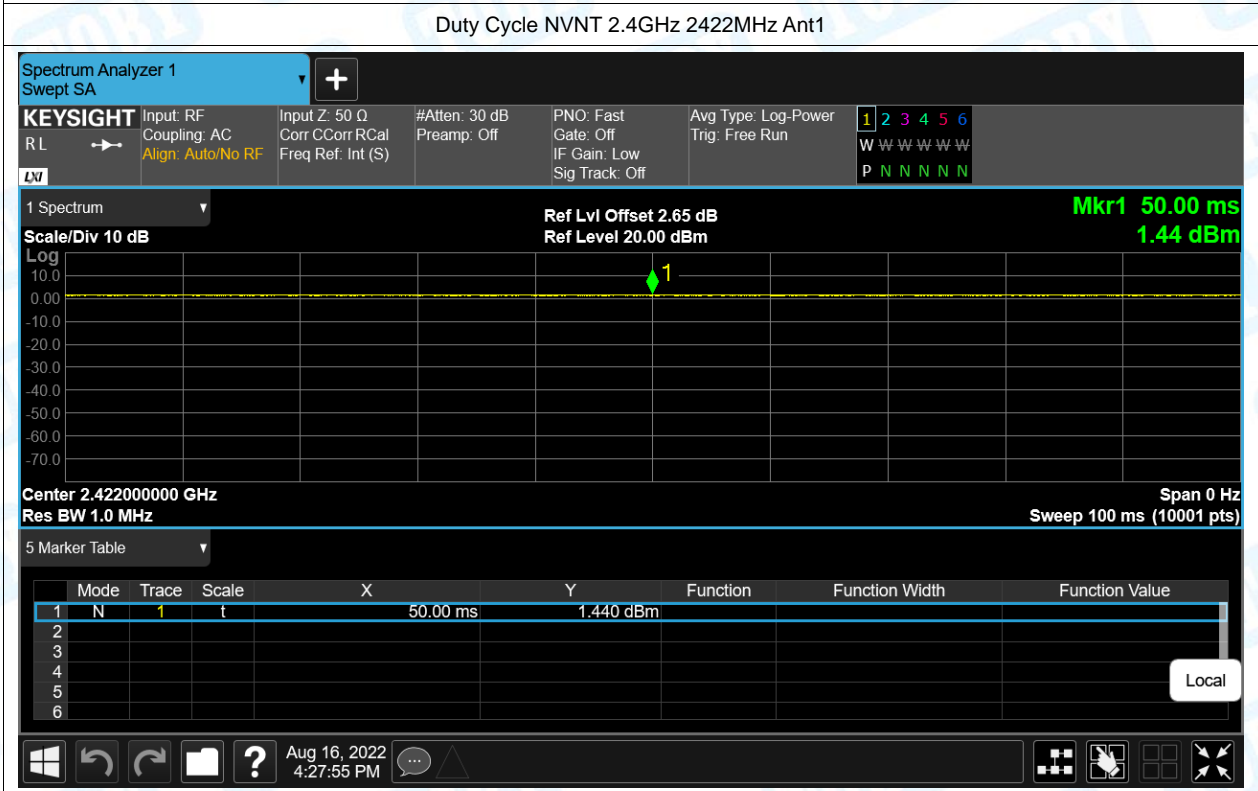
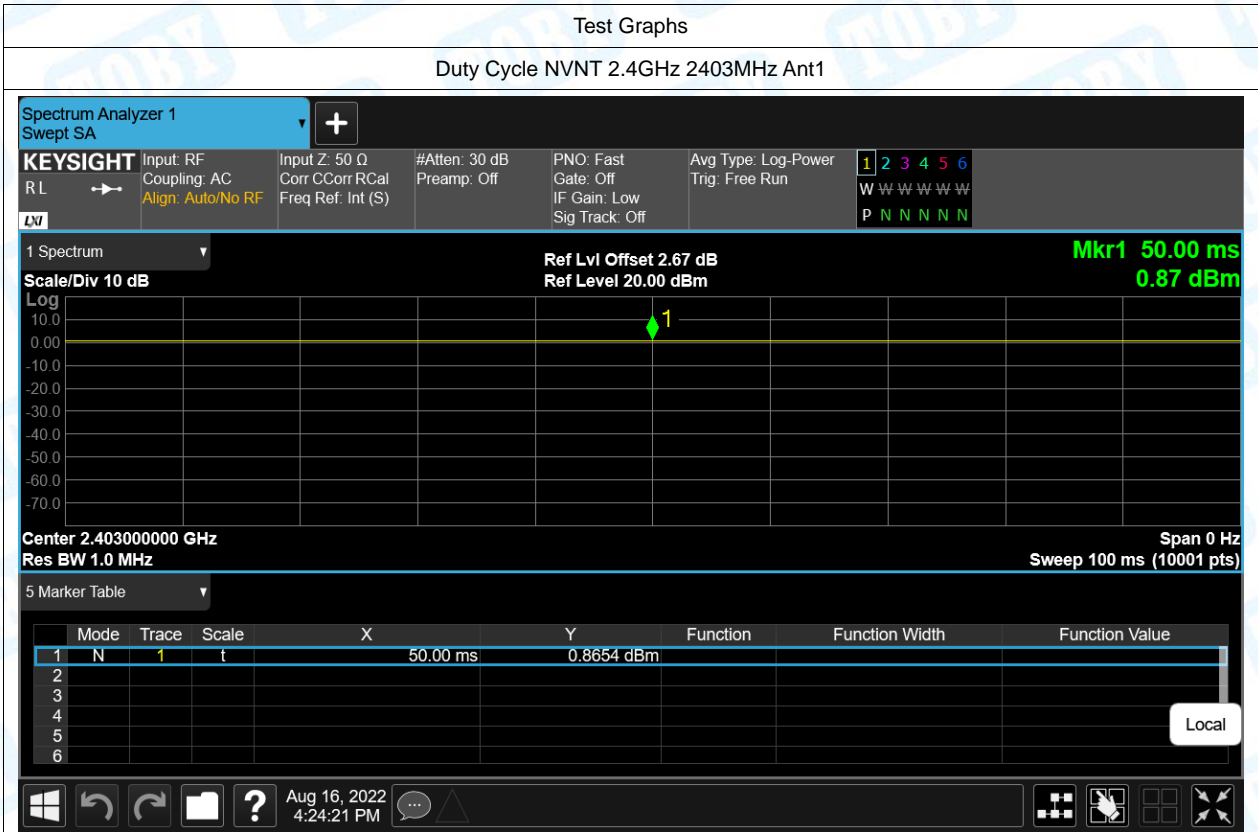
General Description of EUT	
Product Name:	LED Video Light or Professional Video Light
Test Model:	PLV-S300
Sample ID:	202208-0005-3-2#
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 3.7V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202208-0005-3	

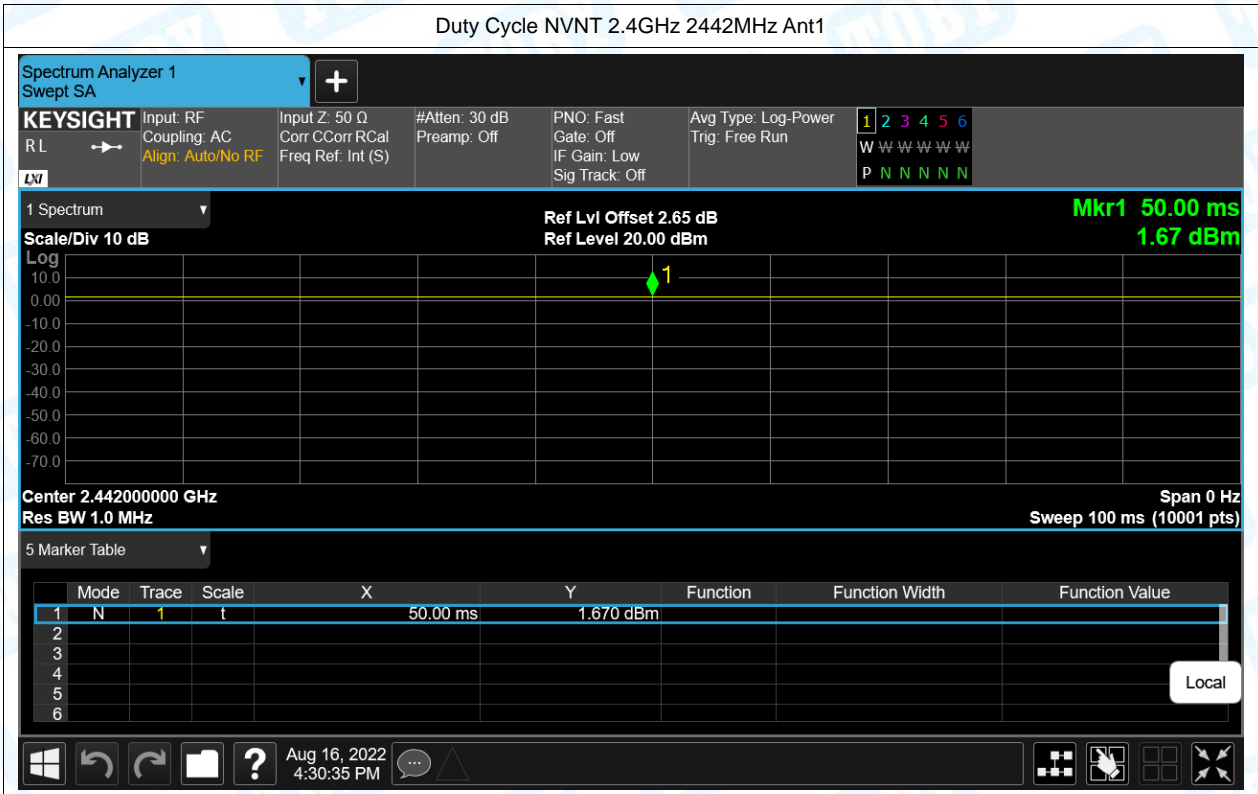
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1. Duty Cycle

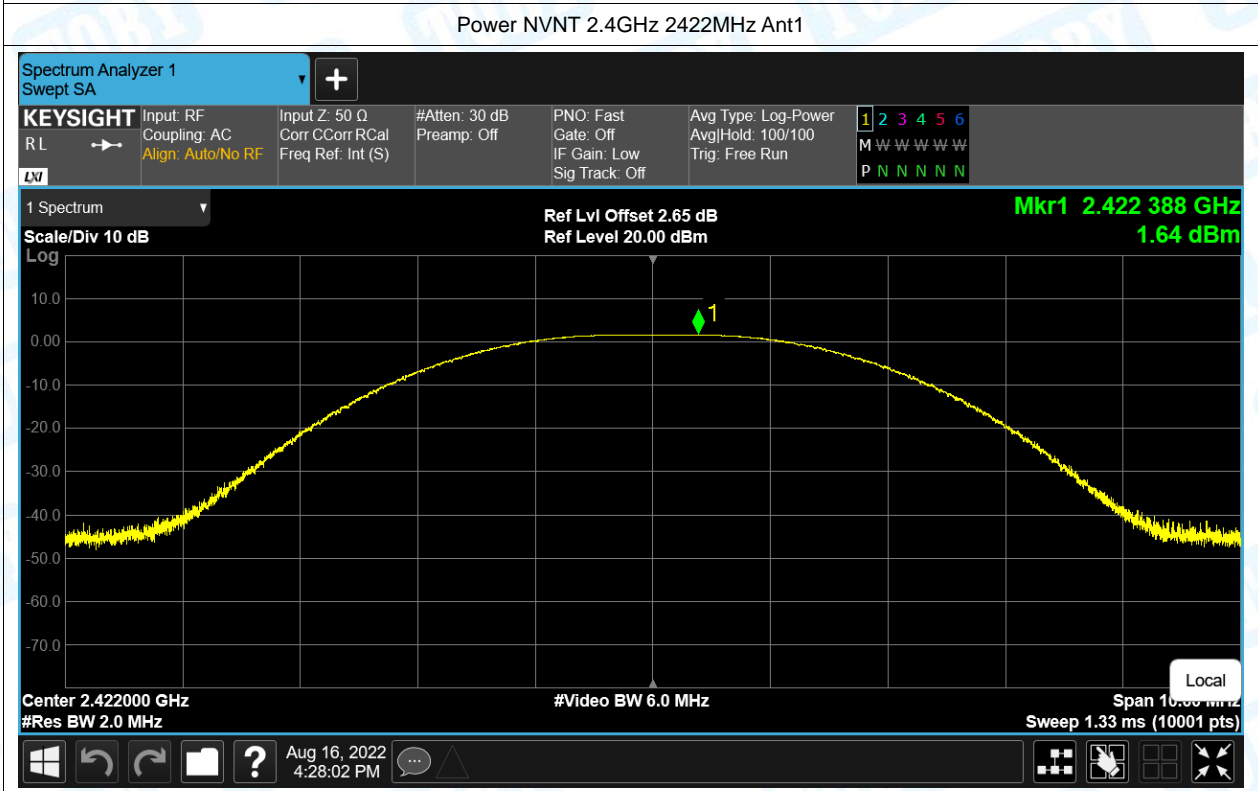
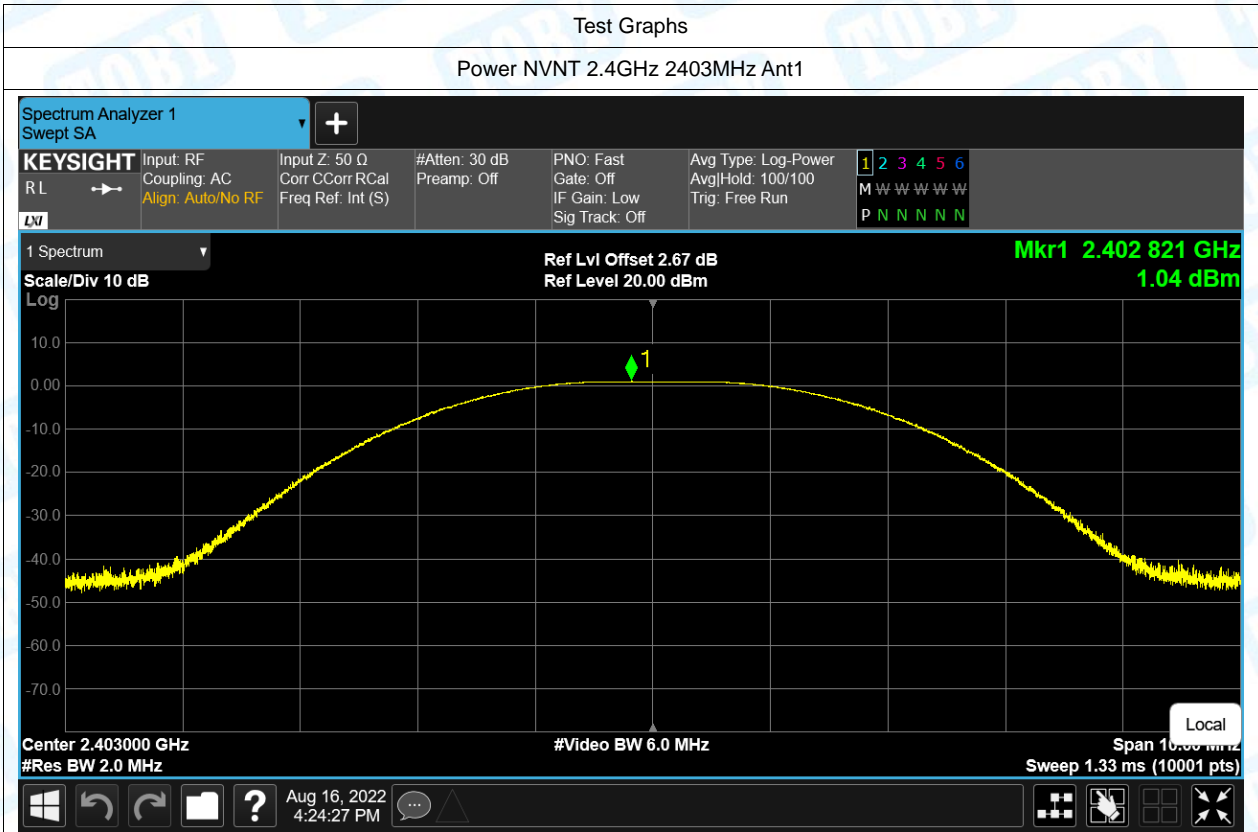
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	2.4GHz	2403	Ant1	100	0	0
NVNT	2.4GHz	2422	Ant1	100	0	0
NVNT	2.4GHz	2442	Ant1	100	0	0





2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	2.4GHz	2403	Ant1	1.043	30	Pass
NVNT	2.4GHz	2422	Ant1	1.636	30	Pass
NVNT	2.4GHz	2442	Ant1	1.891	30	Pass



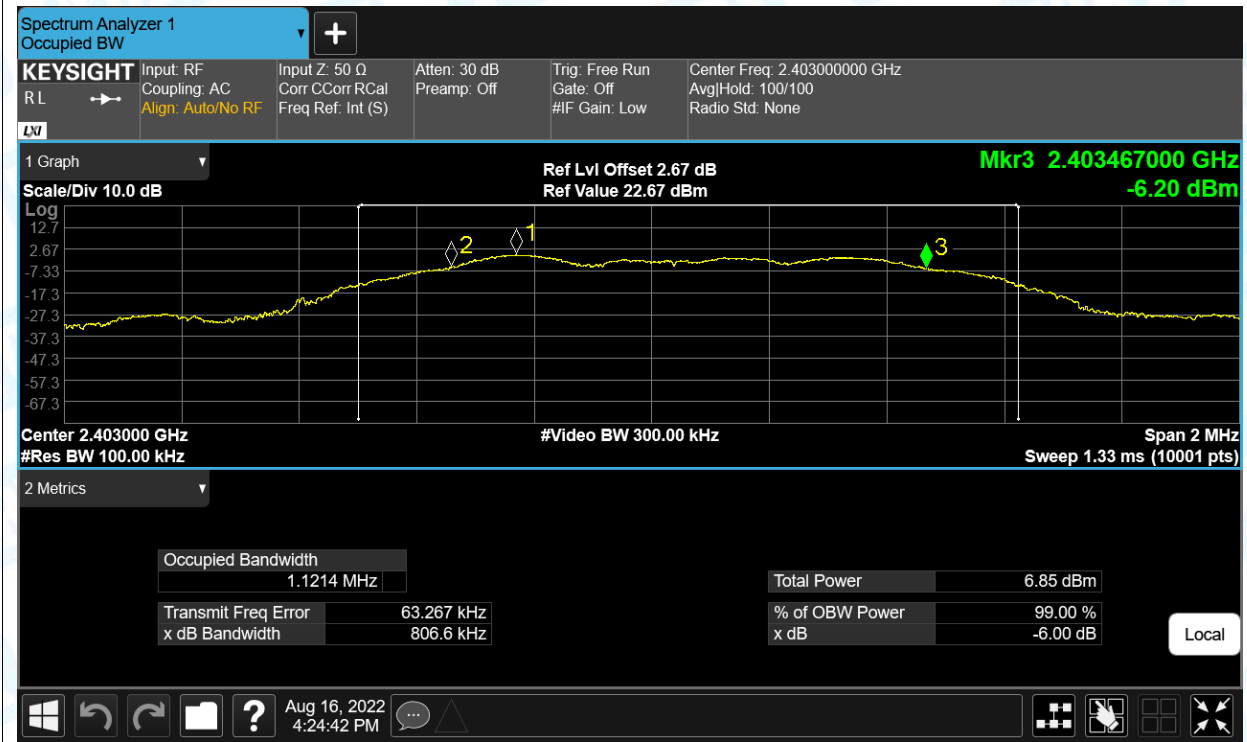


3. -6dB Bandwidth

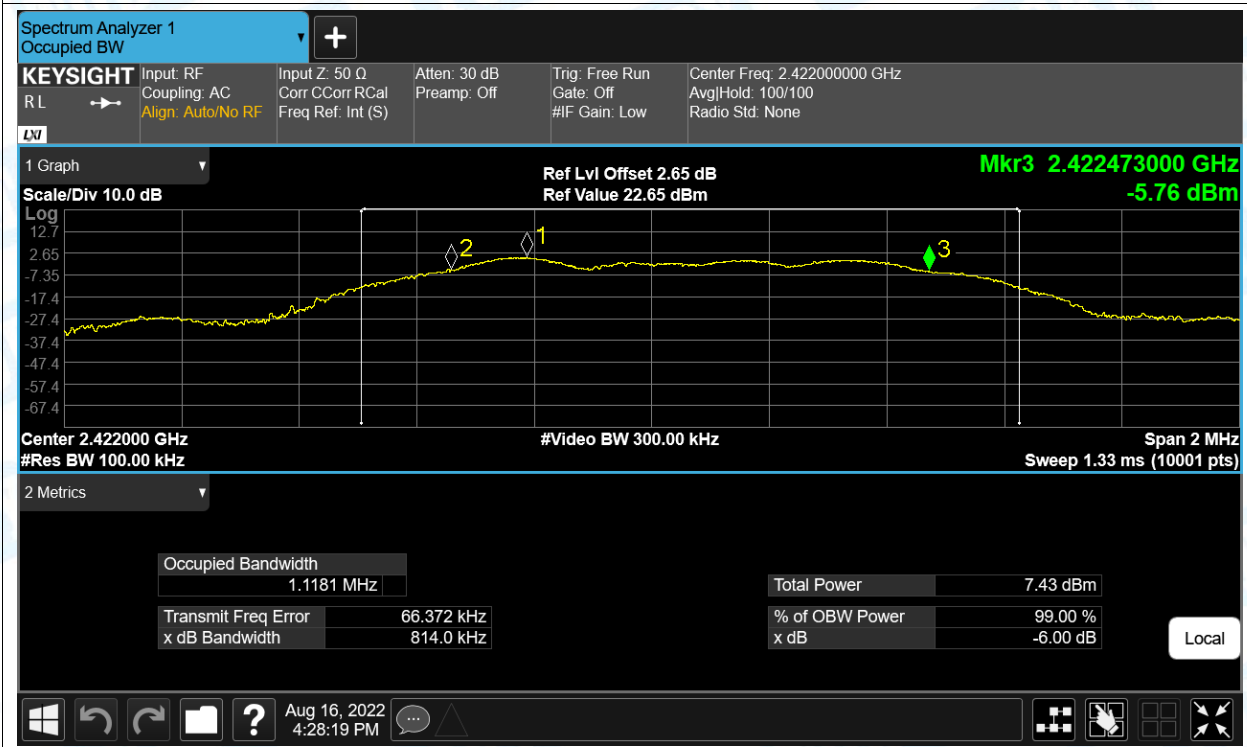
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	2.4GHz	2403	Ant1	0.81	0.5	Pass
NVNT	2.4GHz	2422	Ant1	0.81	0.5	Pass
NVNT	2.4GHz	2442	Ant1	0.84	0.5	Pass

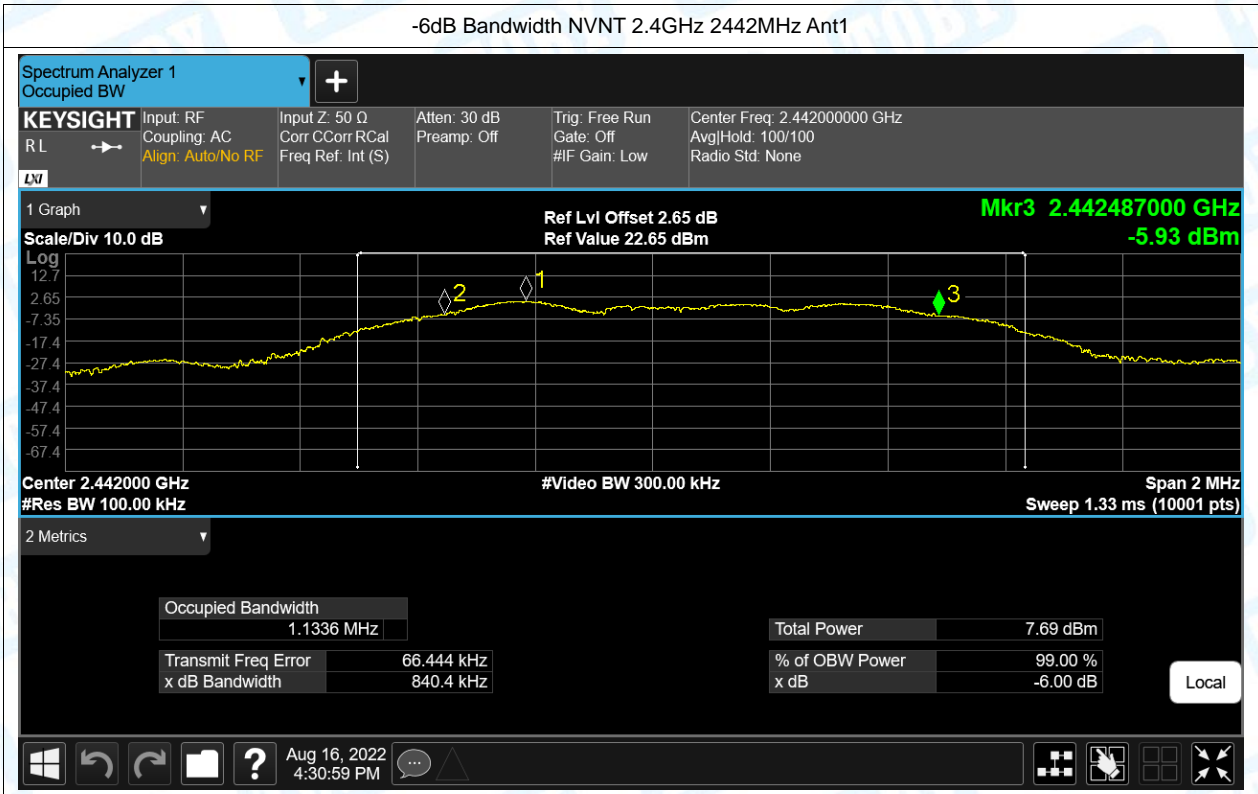
Test Graphs

-6dB Bandwidth NVNT 2.4GHz 2403MHz Ant1



-6dB Bandwidth NVNT 2.4GHz 2422MHz Ant1



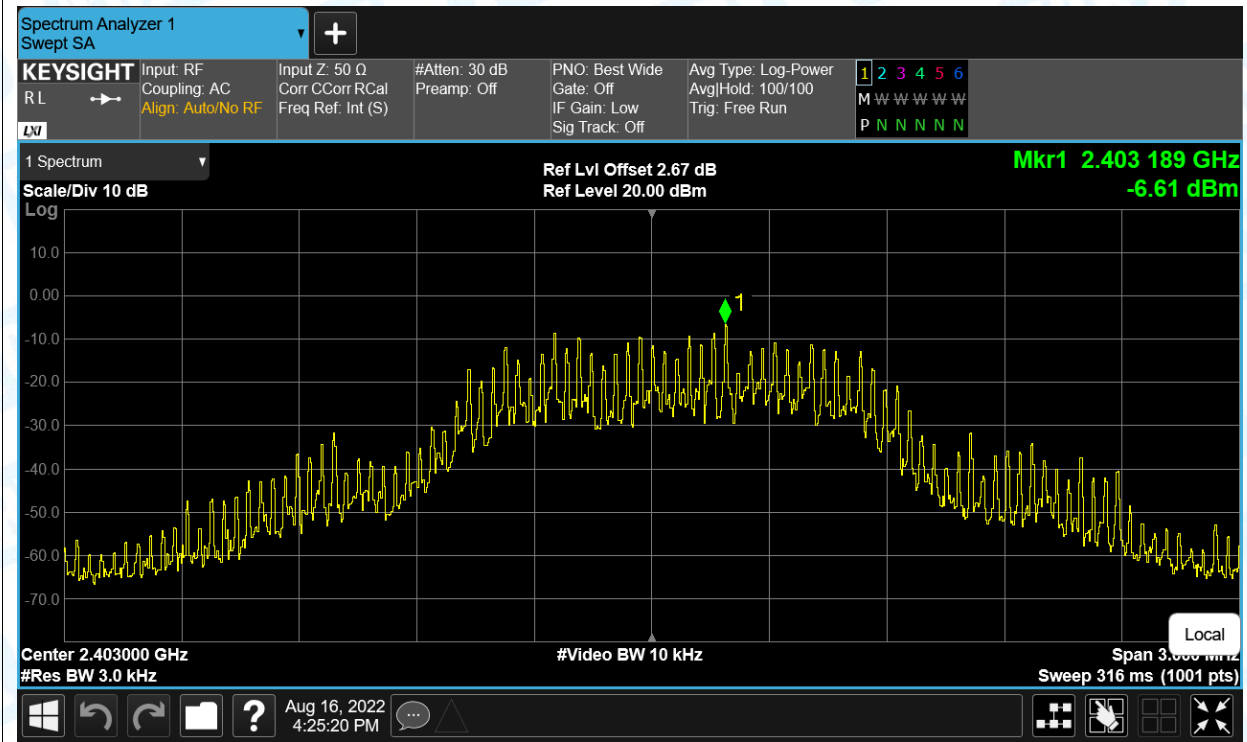


5. Maximum Power Spectral Density Level

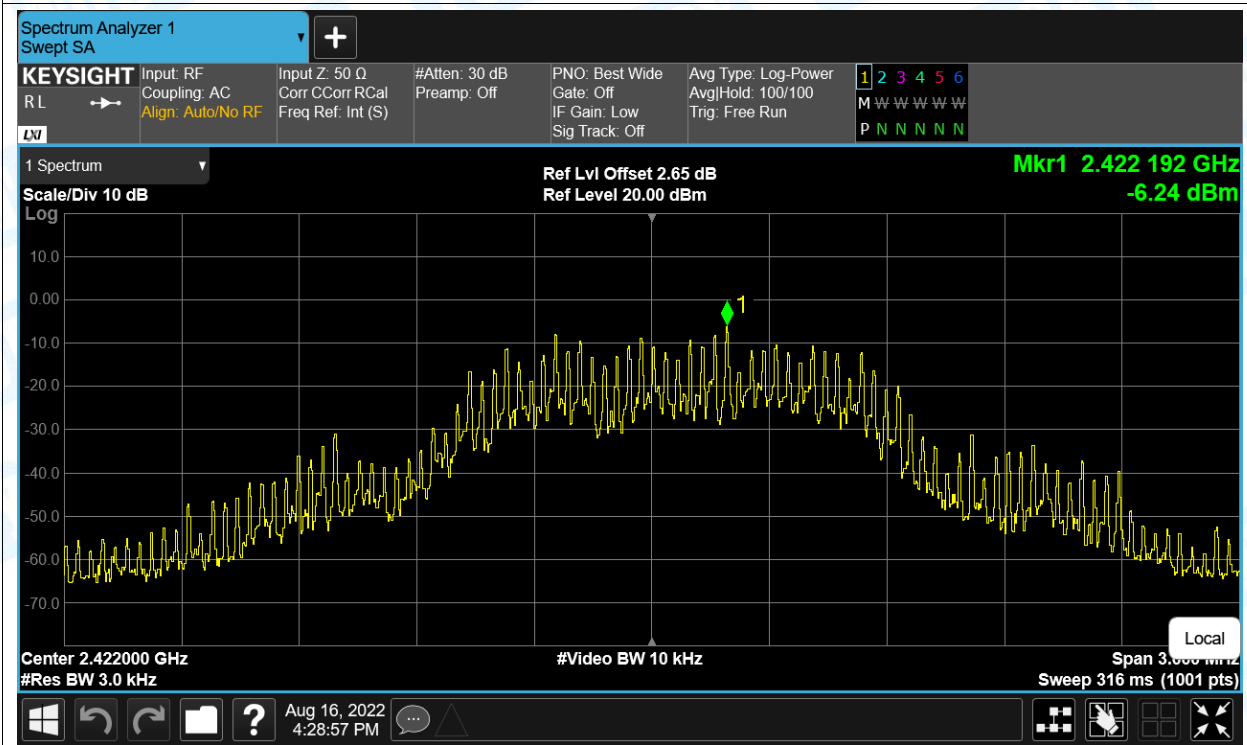
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	2.4GHz	2403	Ant1	-6.61	8	Pass
NVNT	2.4GHz	2422	Ant1	-6.243	8	Pass
NVNT	2.4GHz	2442	Ant1	-6.01	8	Pass

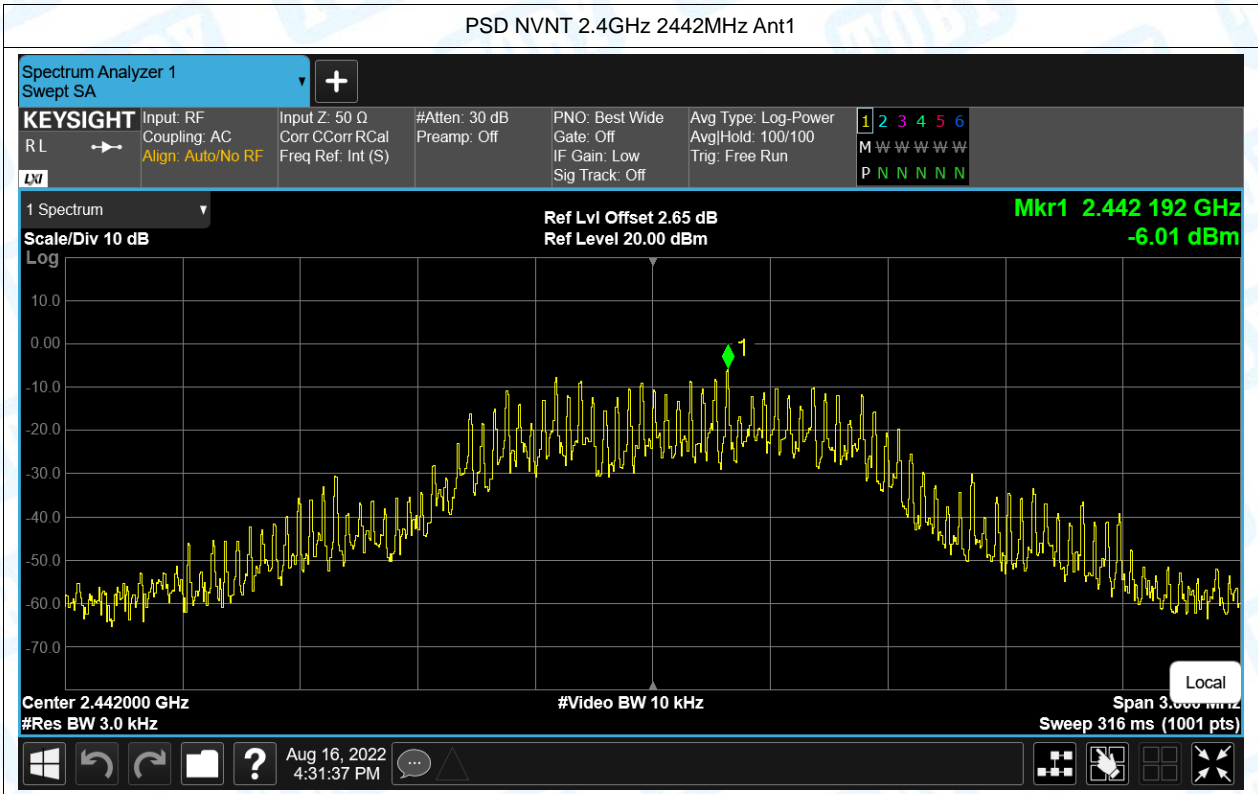
Test Graphs

PSD NVNT 2.4GHz 2403MHz Ant1



PSD NVNT 2.4GHz 2422MHz Ant1



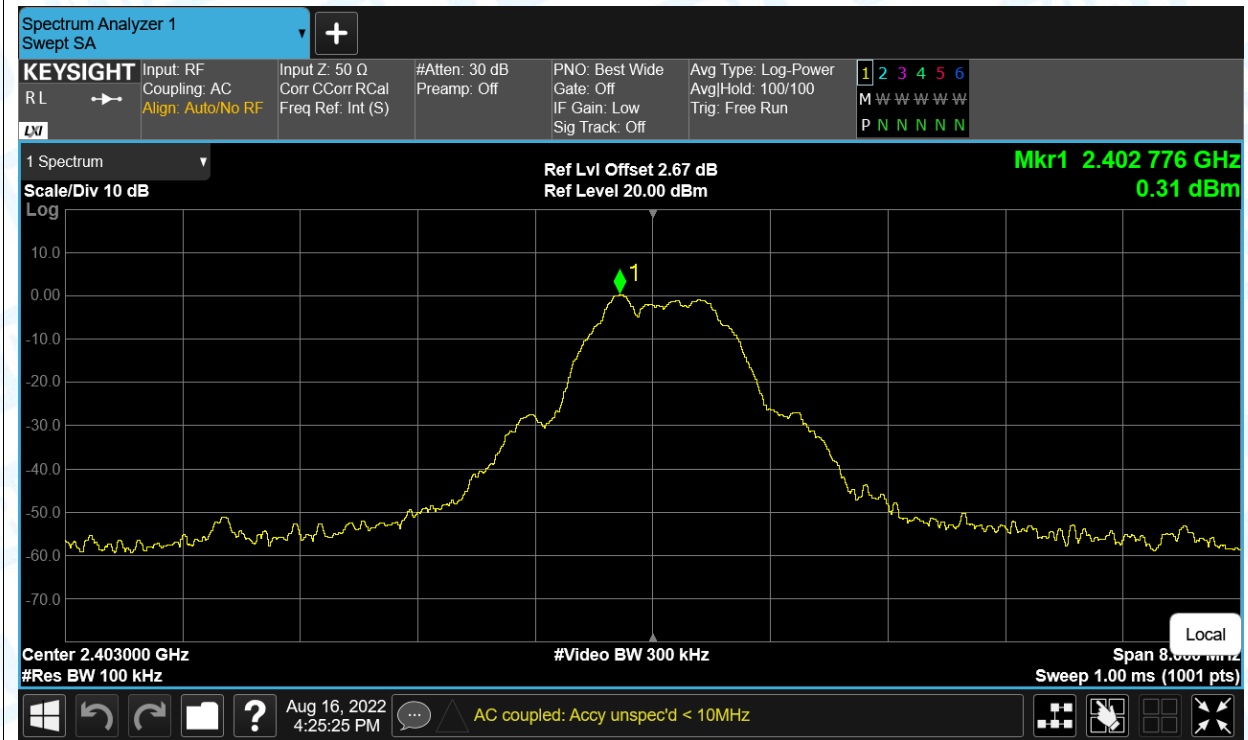


6. Band Edge

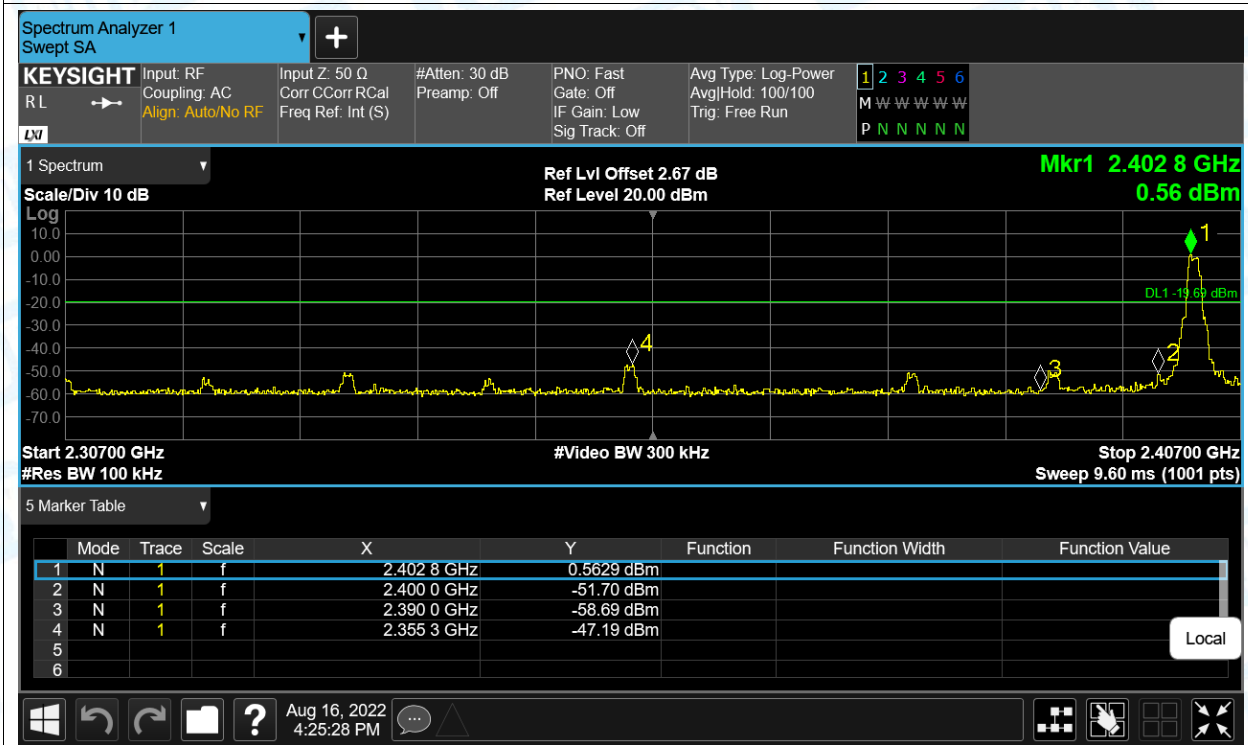
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4GHz	2403	Ant1	-47.5	-20	Pass
NVNT	2.4GHz	2442	Ant1	-51.71	-20	Pass

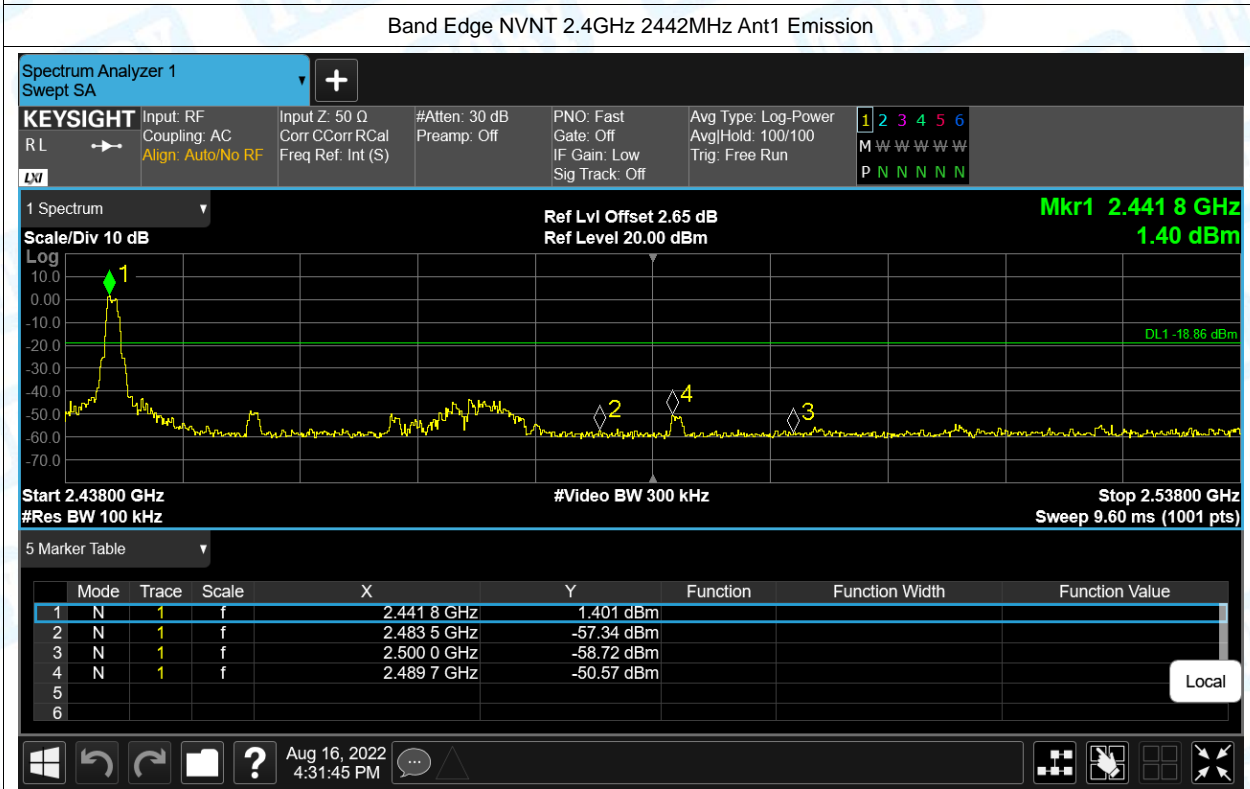
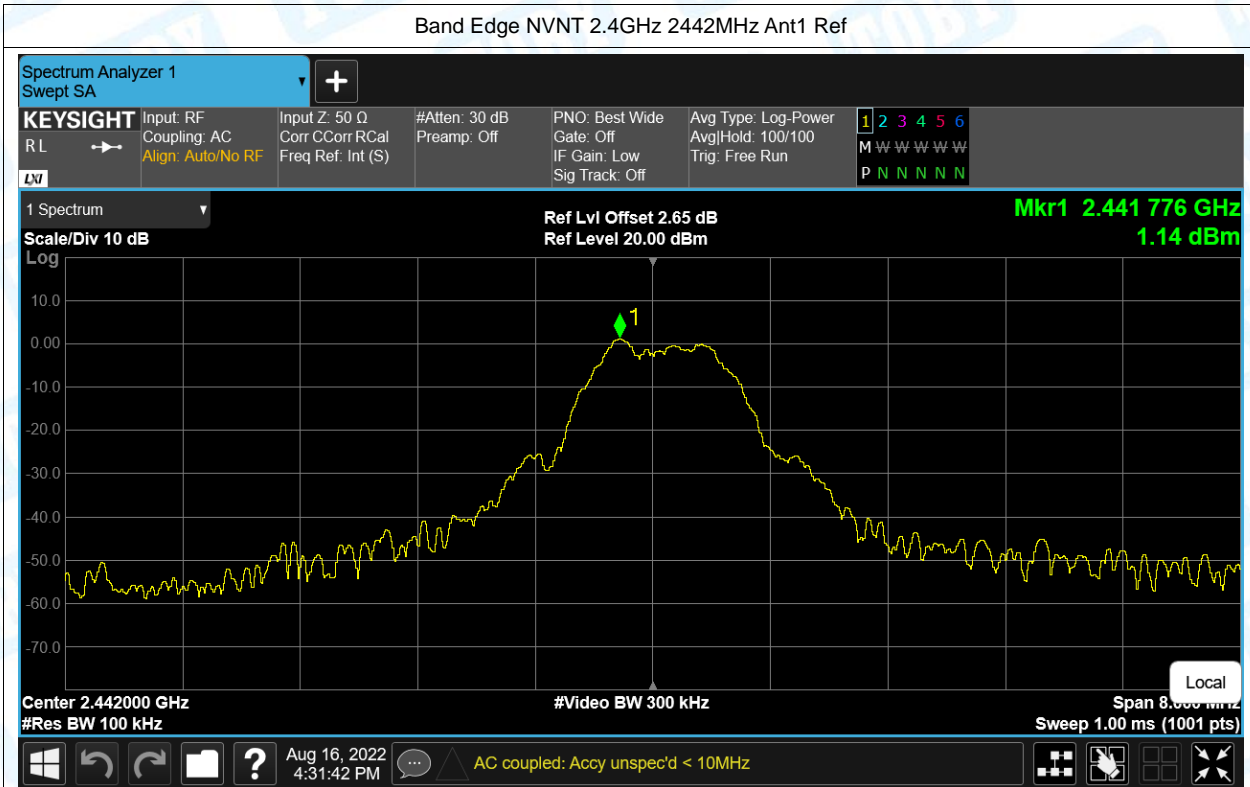
Test Graphs

Band Edge NVNT 2.4GHz 2403MHz Ant1 Ref



Band Edge NVNT 2.4GHz 2403MHz Ant1 Emission



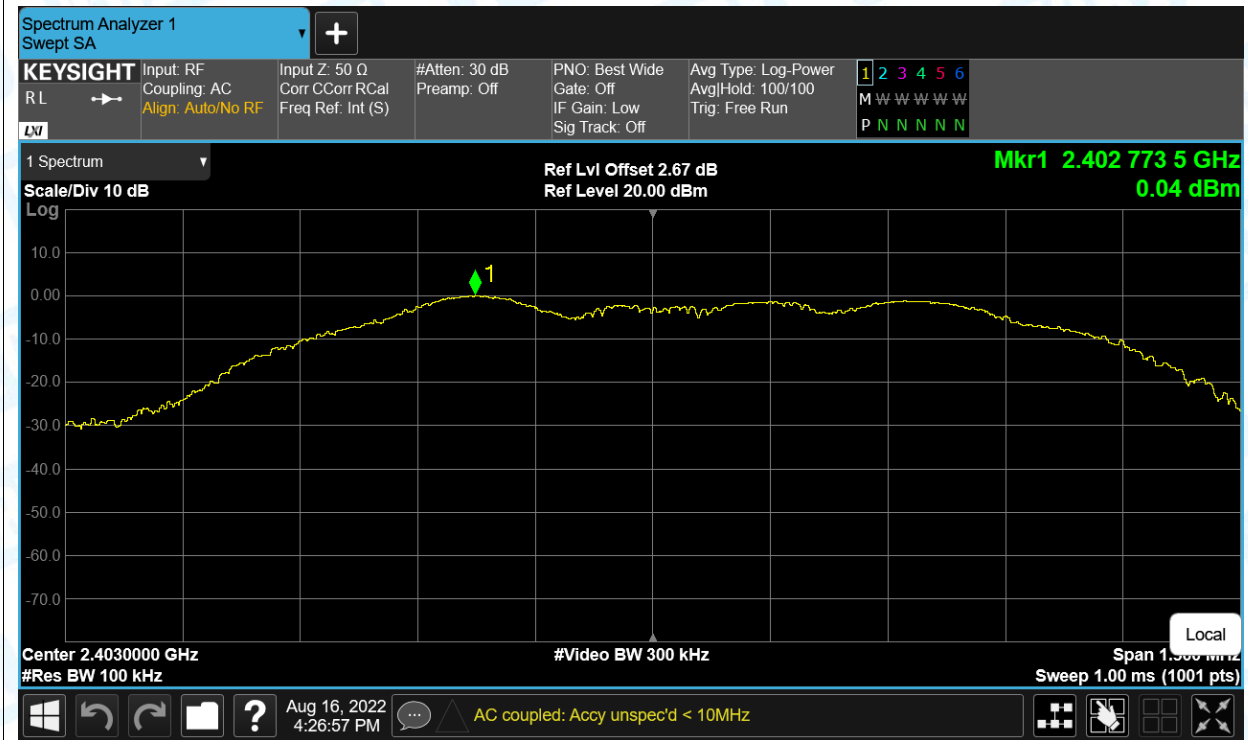


7. Conducted RF Spurious Emission

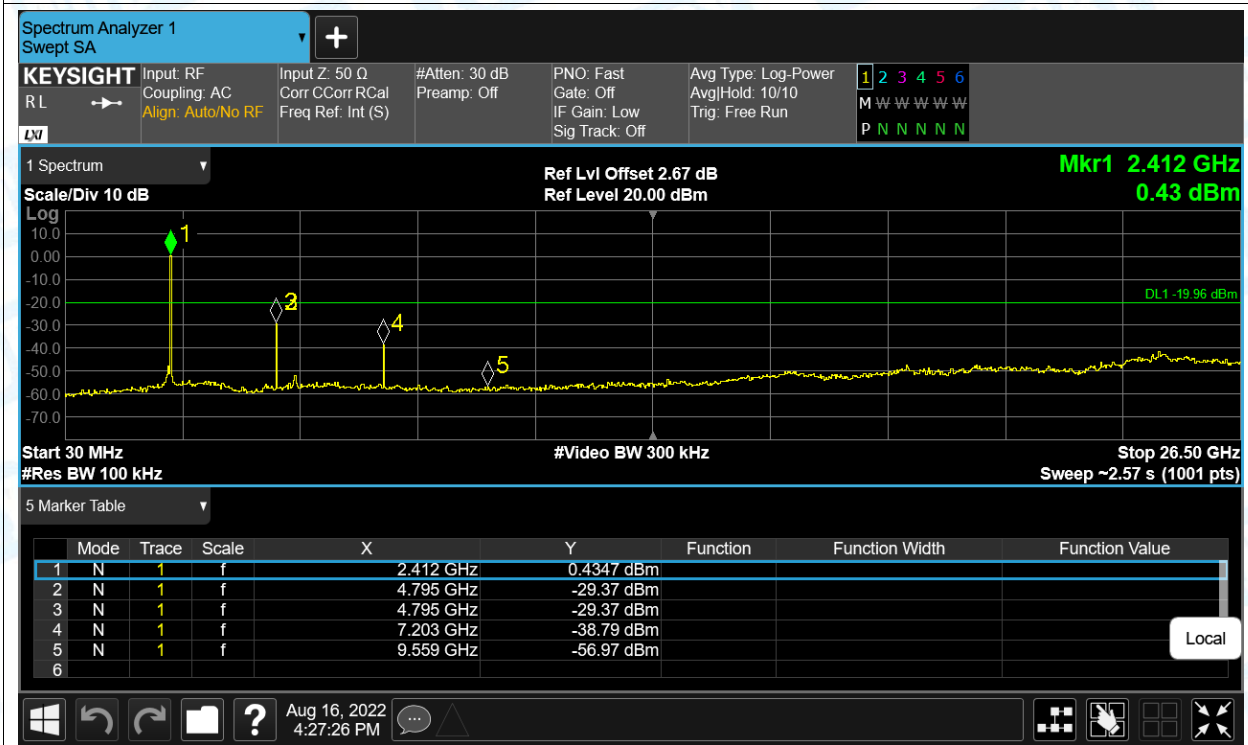
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4GHz	2403	Ant1	-29.41	-20	Pass
NVNT	2.4GHz	2422	Ant1	-31.14	-20	Pass
NVNT	2.4GHz	2442	Ant1	-32.09	-20	Pass

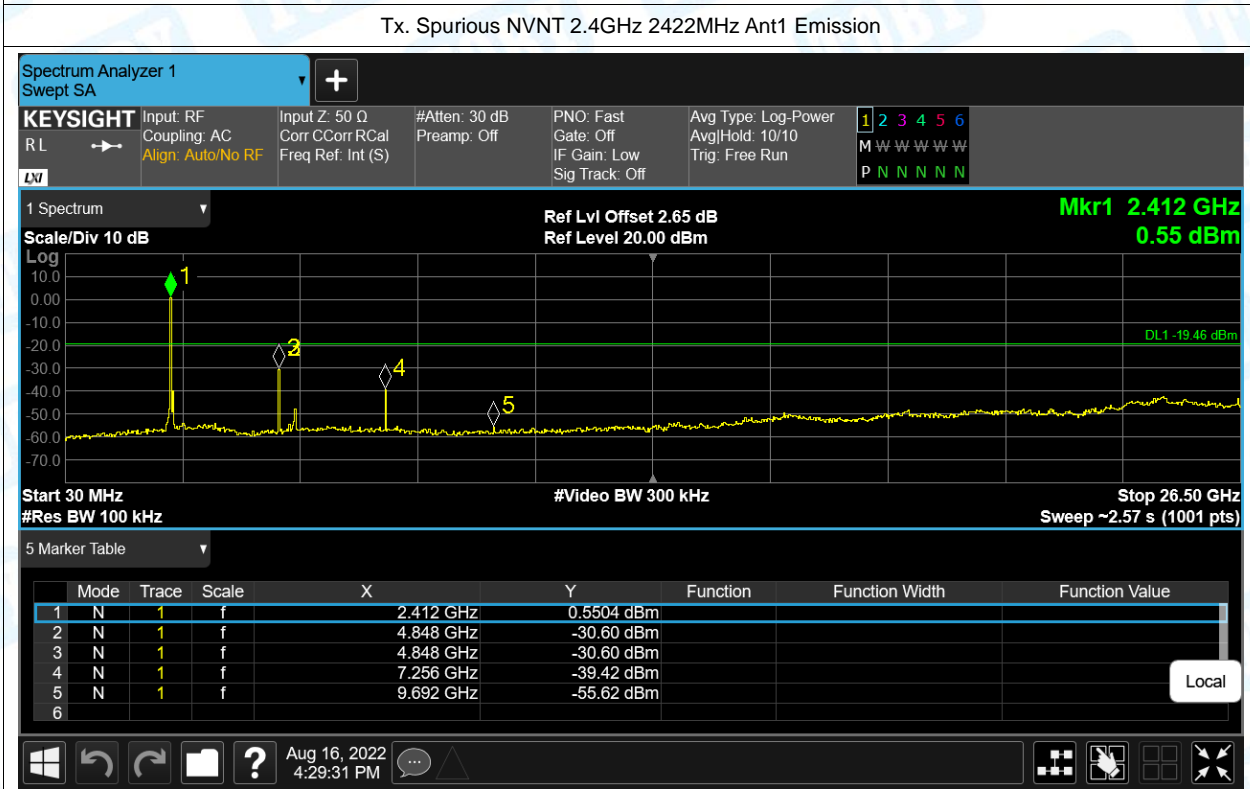
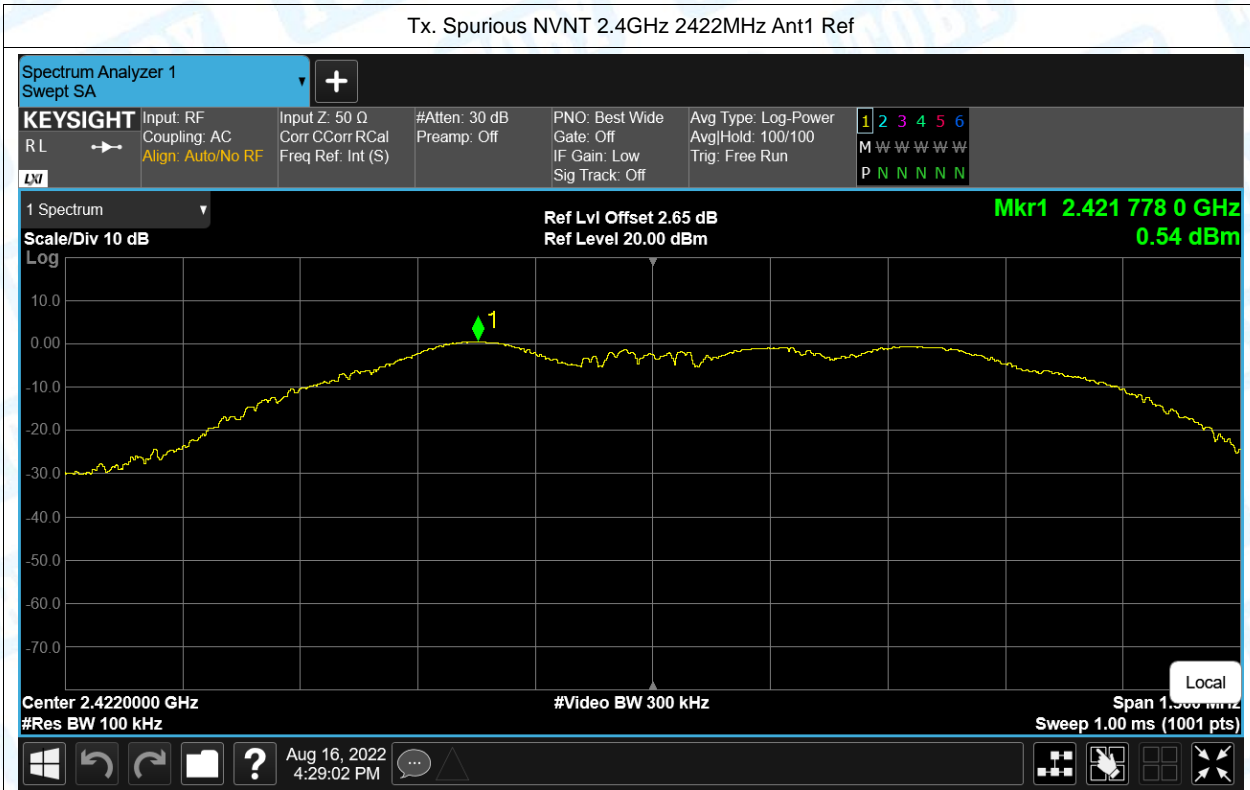
Test Graphs

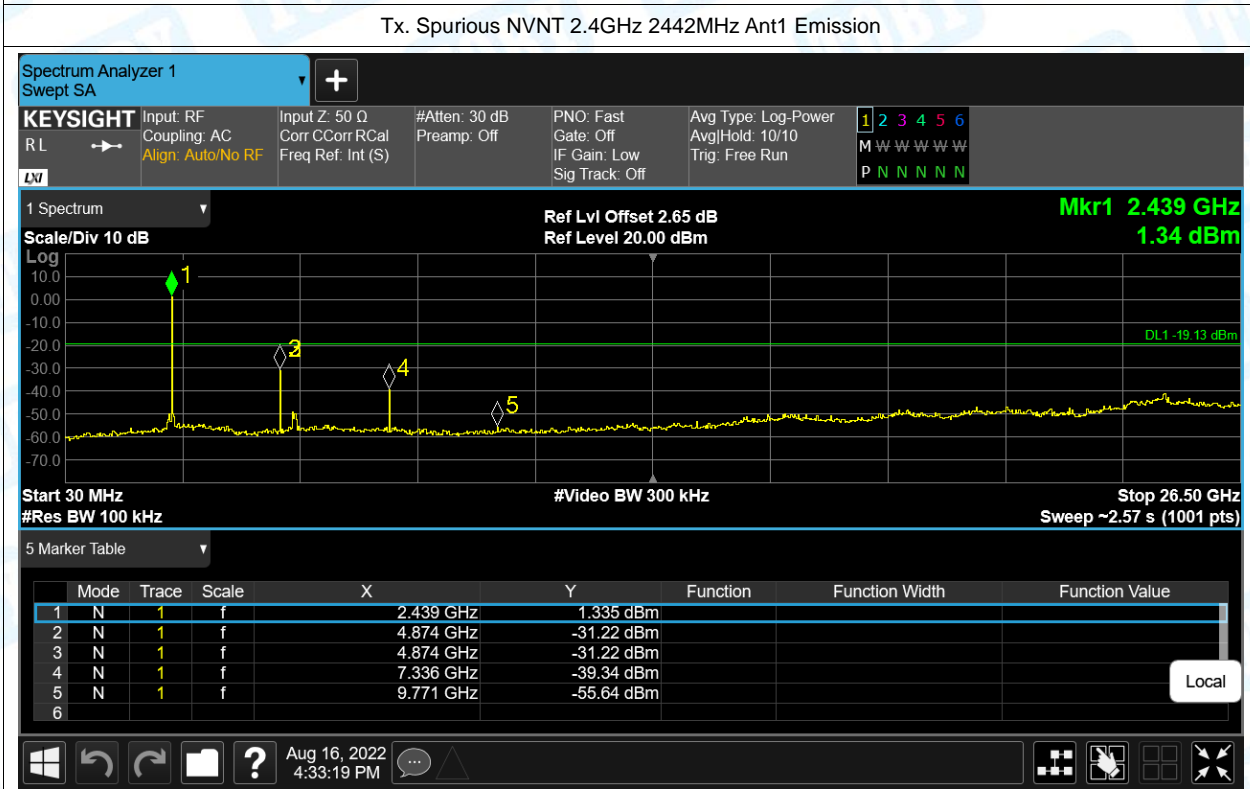
Tx. Spurious NVNT 2.4GHz 2403MHz Ant1 Ref



Tx. Spurious NVNT 2.4GHz 2403MHz Ant1 Emission

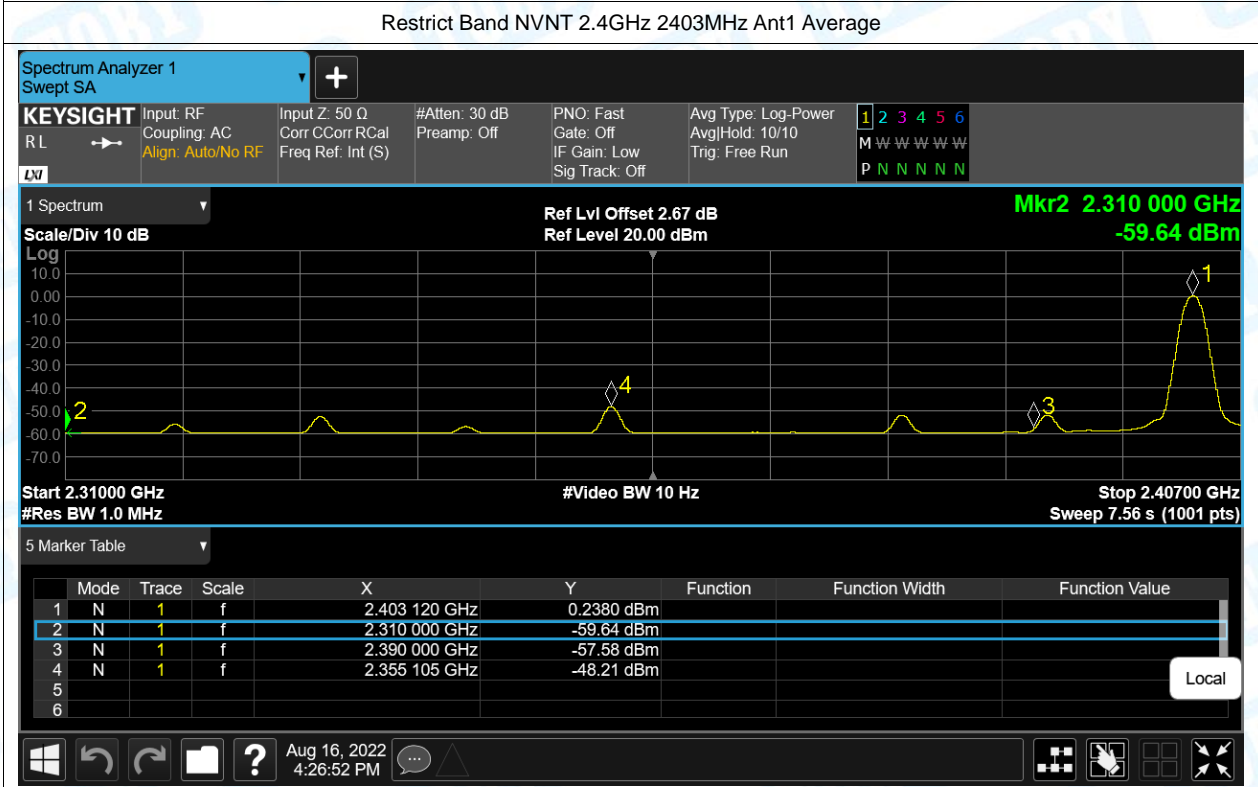
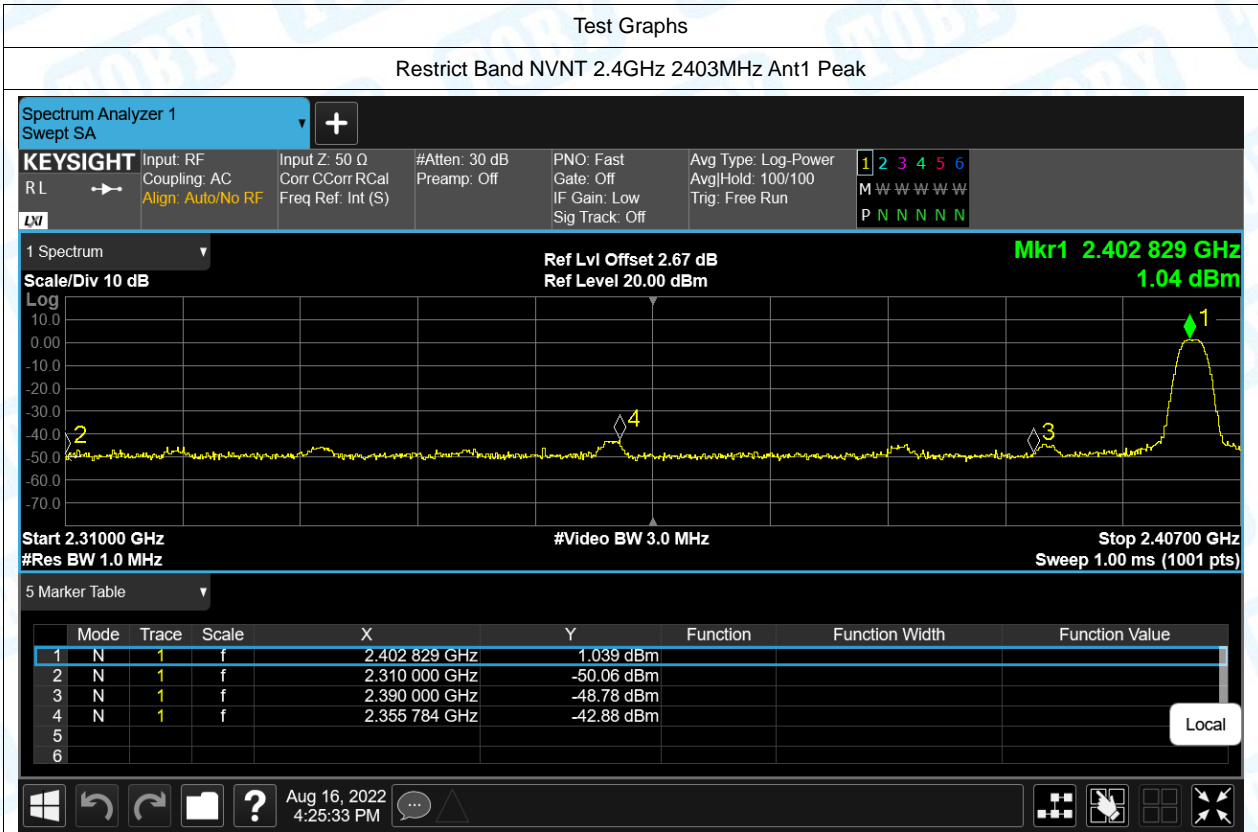




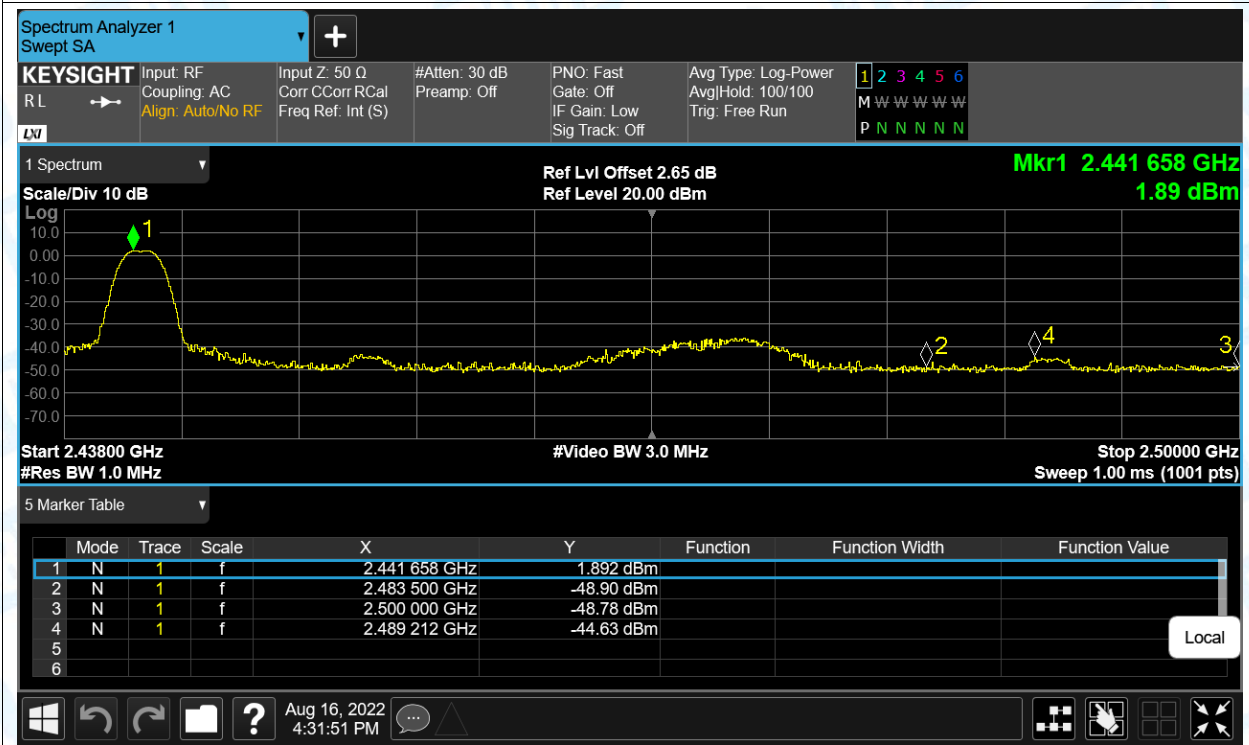


8. Restrict Band

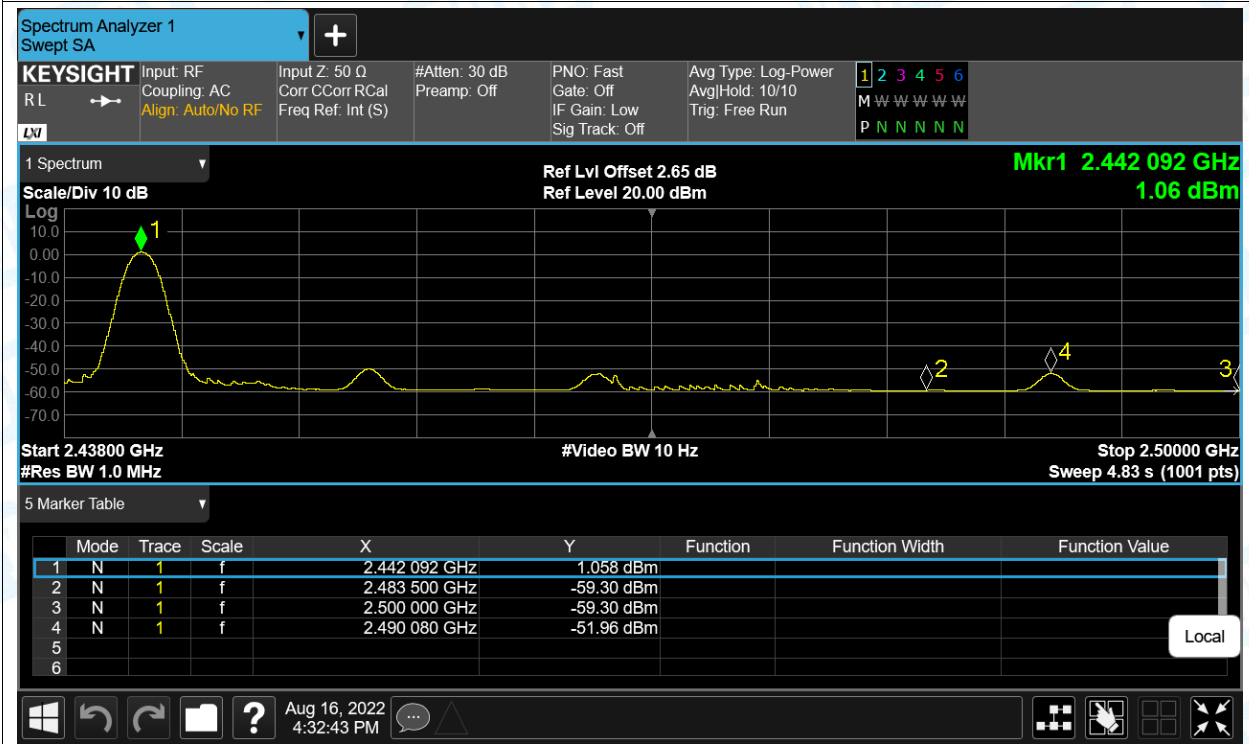
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	2.4GHz	2403	Ant1	2310	-50.06	2	47.2	Peak	74	Pass
NVNT	2.4GHz	2403	Ant1	2310	-59.64	2	37.62	Average	54	Pass
NVNT	2.4GHz	2403	Ant1	2355.784	-42.88	2	54.38	Peak	74	Pass
NVNT	2.4GHz	2403	Ant1	2355.105	-48.21	2	49.05	Average	54	Pass
NVNT	2.4GHz	2403	Ant1	2390	-48.78	2	48.48	Peak	74	Pass
NVNT	2.4GHz	2403	Ant1	2390	-57.58	2	39.68	Average	54	Pass
NVNT	2.4GHz	2442	Ant1	2483.5	-48.9	2	48.36	Peak	74	Pass
NVNT	2.4GHz	2442	Ant1	2483.5	-59.3	2	37.96	Average	54	Pass
NVNT	2.4GHz	2442	Ant1	2489.212	-44.63	2	52.63	Peak	74	Pass
NVNT	2.4GHz	2442	Ant1	2490.08	-51.96	2	45.3	Average	54	Pass
NVNT	2.4GHz	2442	Ant1	2500	-48.78	2	48.48	Peak	74	Pass
NVNT	2.4GHz	2442	Ant1	2500	-59.3	2	37.96	Average	54	Pass



Restrict Band NVNT 2.4GHz 2442MHz Ant1 Peak



Restrict Band NVNT 2.4GHz 2442MHz Ant1 Average



9. Duty Cycle, Tx Sequence, Tx Gap, Medium Utilisation

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Tx-sequence (ms)	Tx Gap (ms)	MU (%)
NVNT	2.4GHz	2403	Ant1	100	100	0	1.52

