

RF Test Data for 2.4G WiFi (Conducted Measurements)

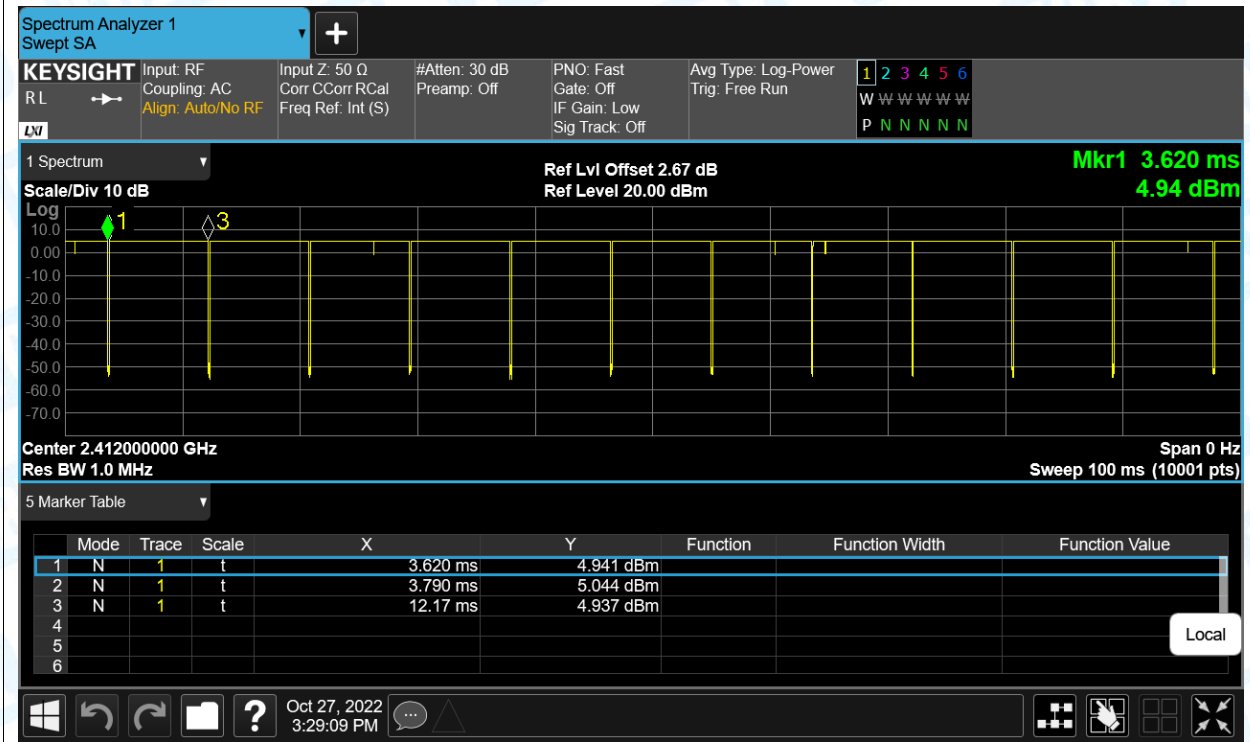
General Description of EUT	
Product Name:	endoscope
Test Model:	G52
Sample ID:	202209-0004-1-2#
Environmental Conditions	
Temperature:	24°C
Relative Humidity:	50%
Test Voltage:	DC 3.7V
Test Engineer:	Zhudianyuan
Note: For a more detailed features description, please refer to the report TBR-C-202209-0004-1.	

Duty Cycle

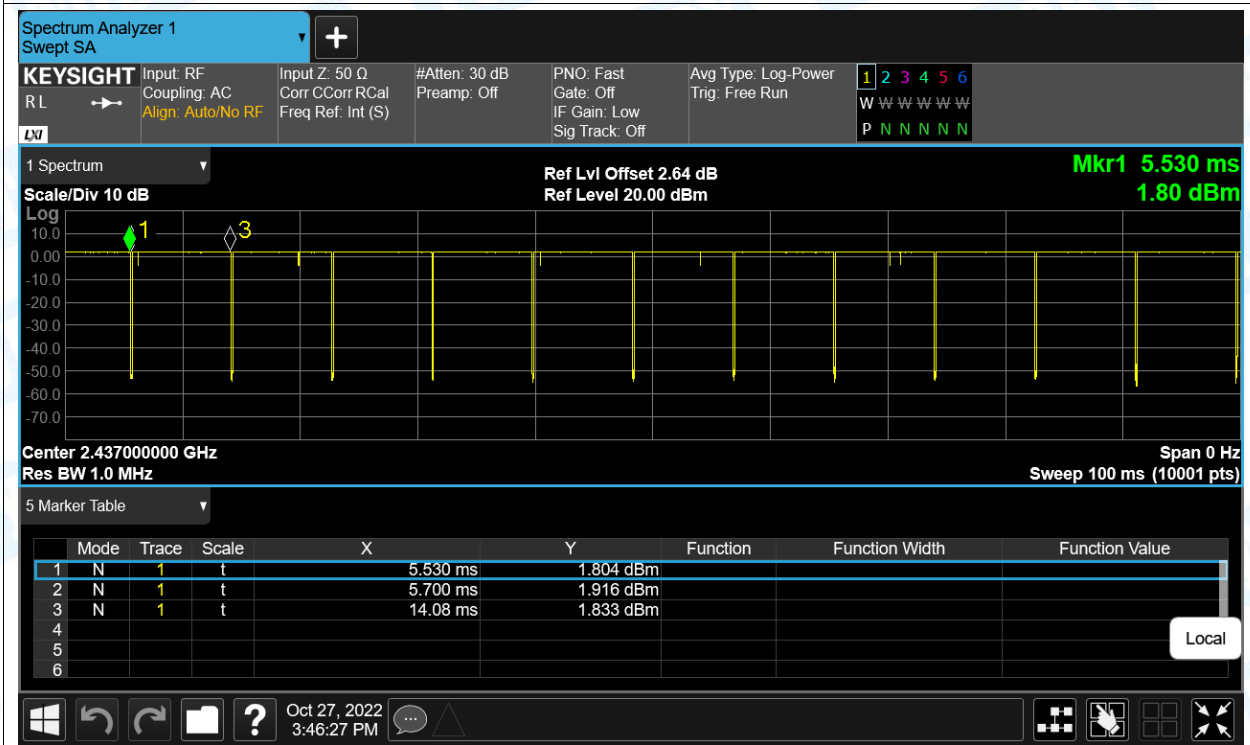
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	98.01	0.09	0.12
NVNT	b	2437	Ant1	98.01	0.09	0.12
NVNT	b	2462	Ant1	98.13	0.08	0.12

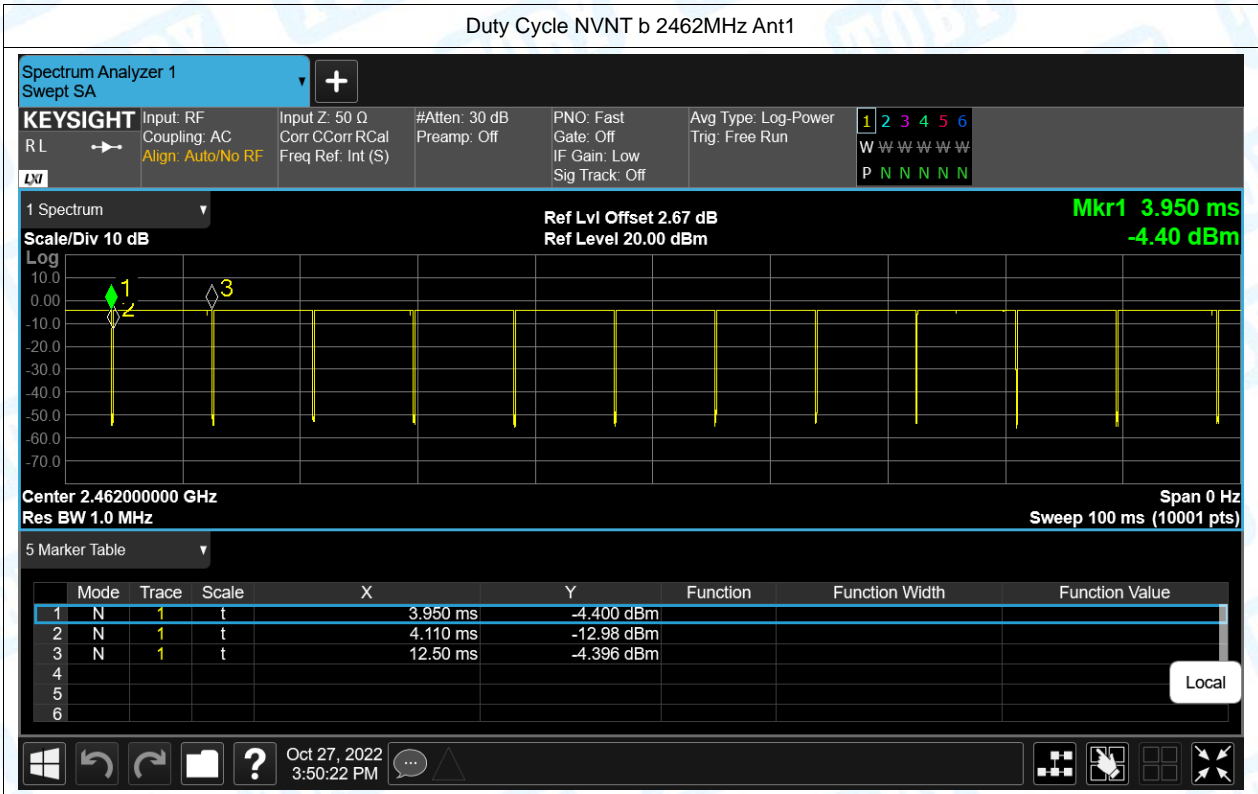
Test Graphs

Duty Cycle NVNT b 2412MHz Ant1



Duty Cycle NVNT b 2437MHz Ant1



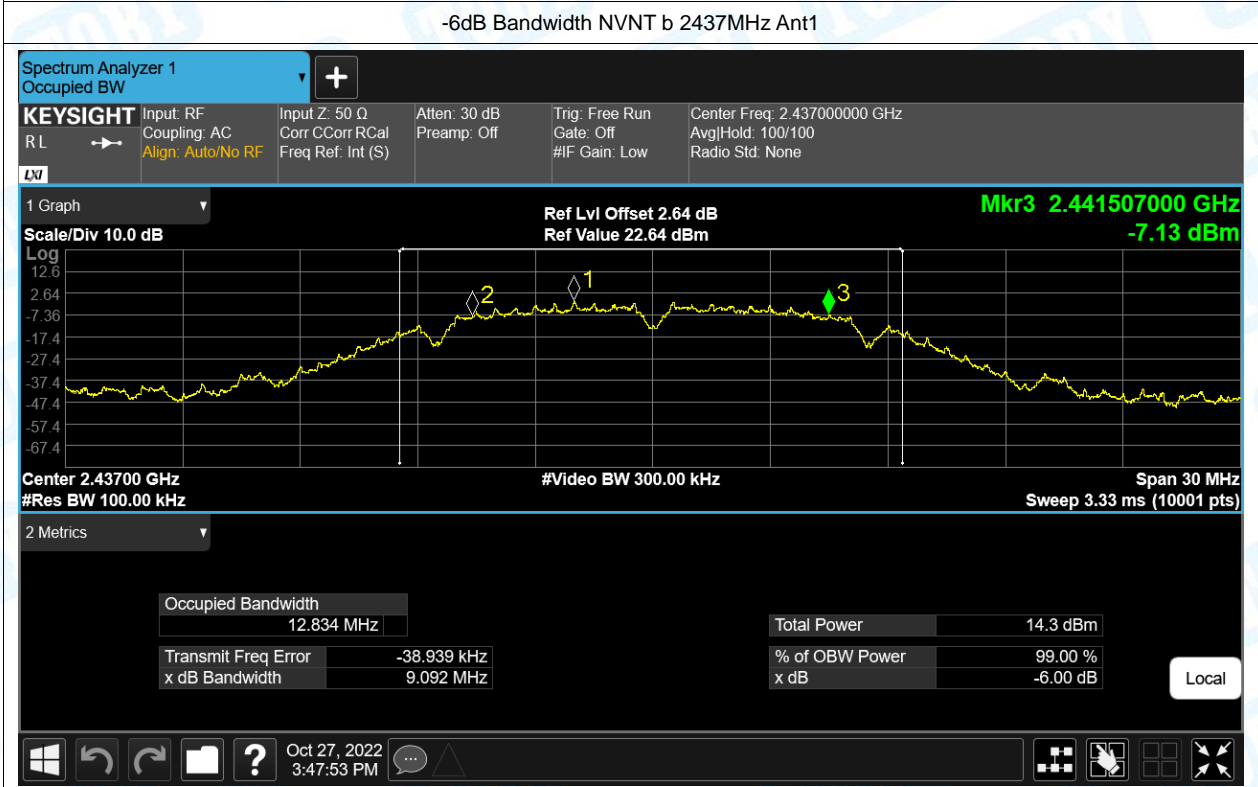
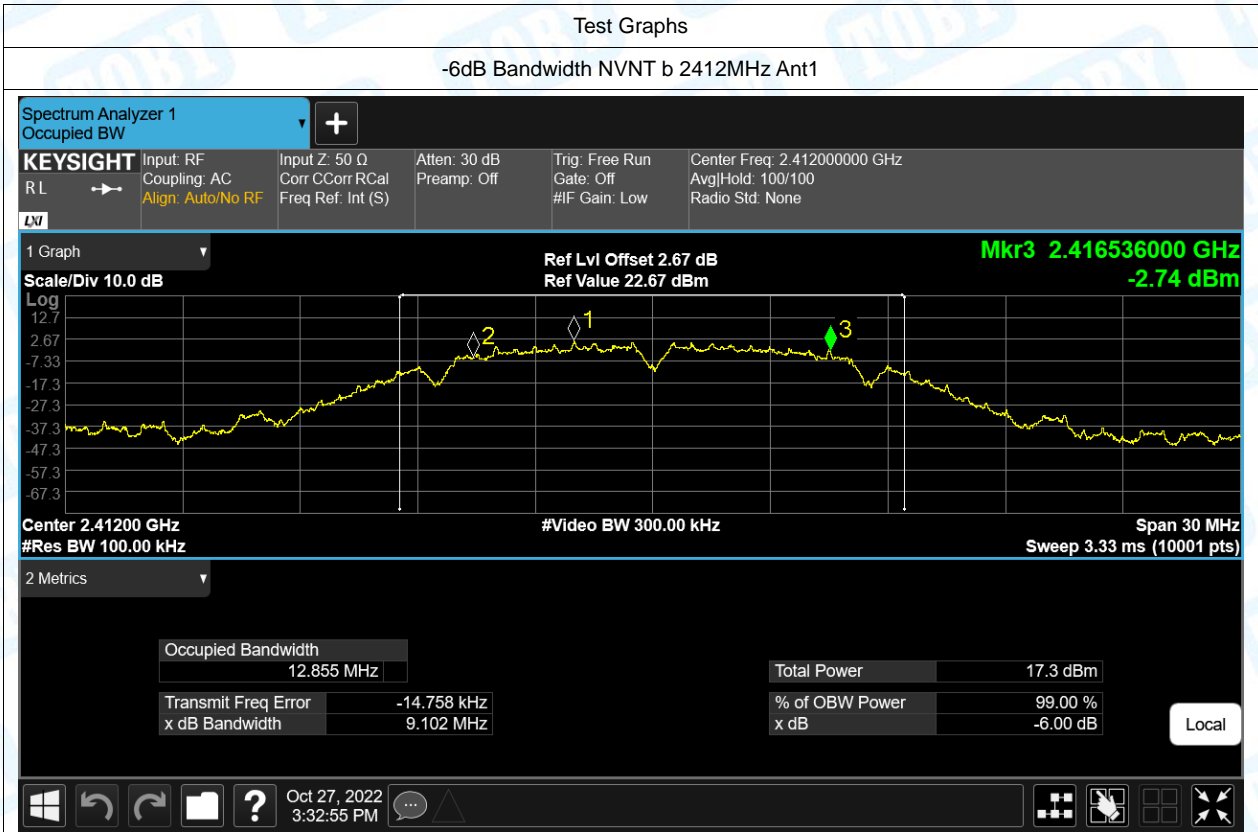


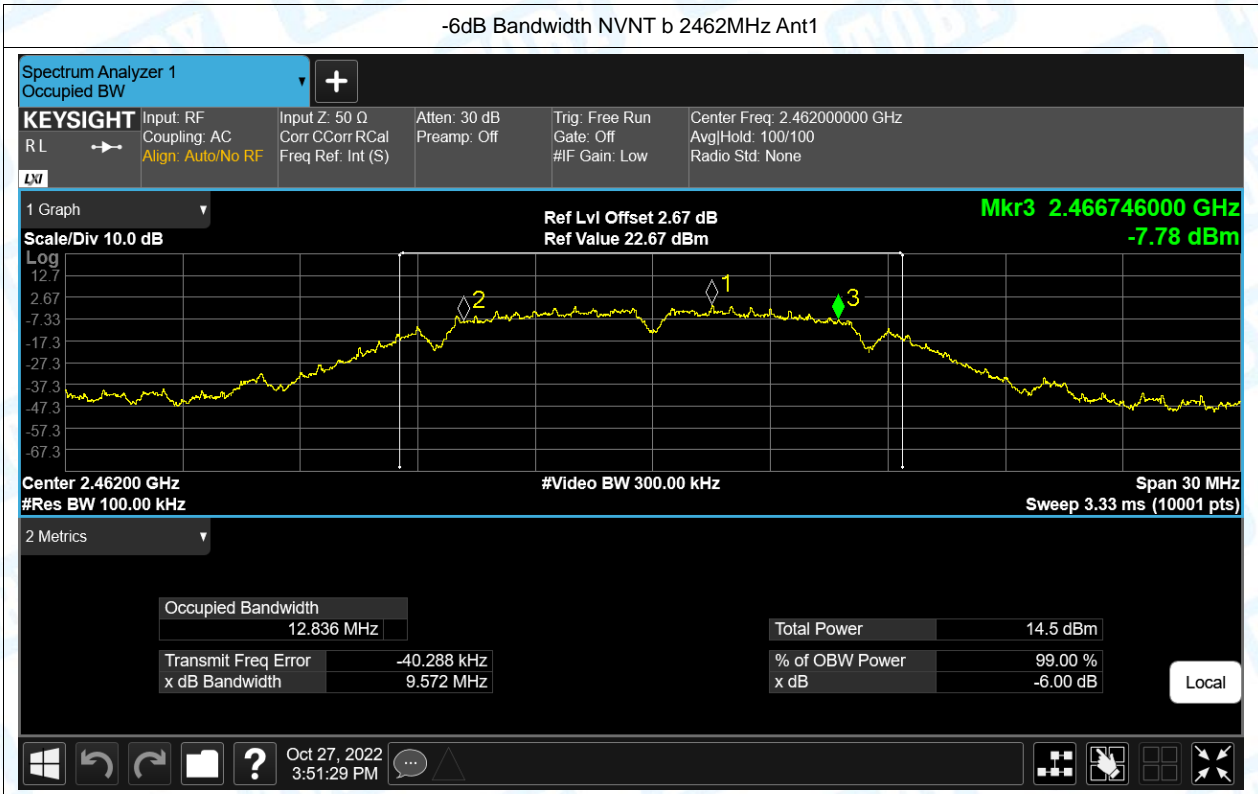
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	8.101	30	Pass
NVNT	b	2437	Ant1	8.303	30	Pass
NVNT	b	2462	Ant1	8.553	30	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.1	0.5	Pass
NVNT	b	2437	Ant1	9.09	0.5	Pass
NVNT	b	2462	Ant1	9.57	0.5	Pass



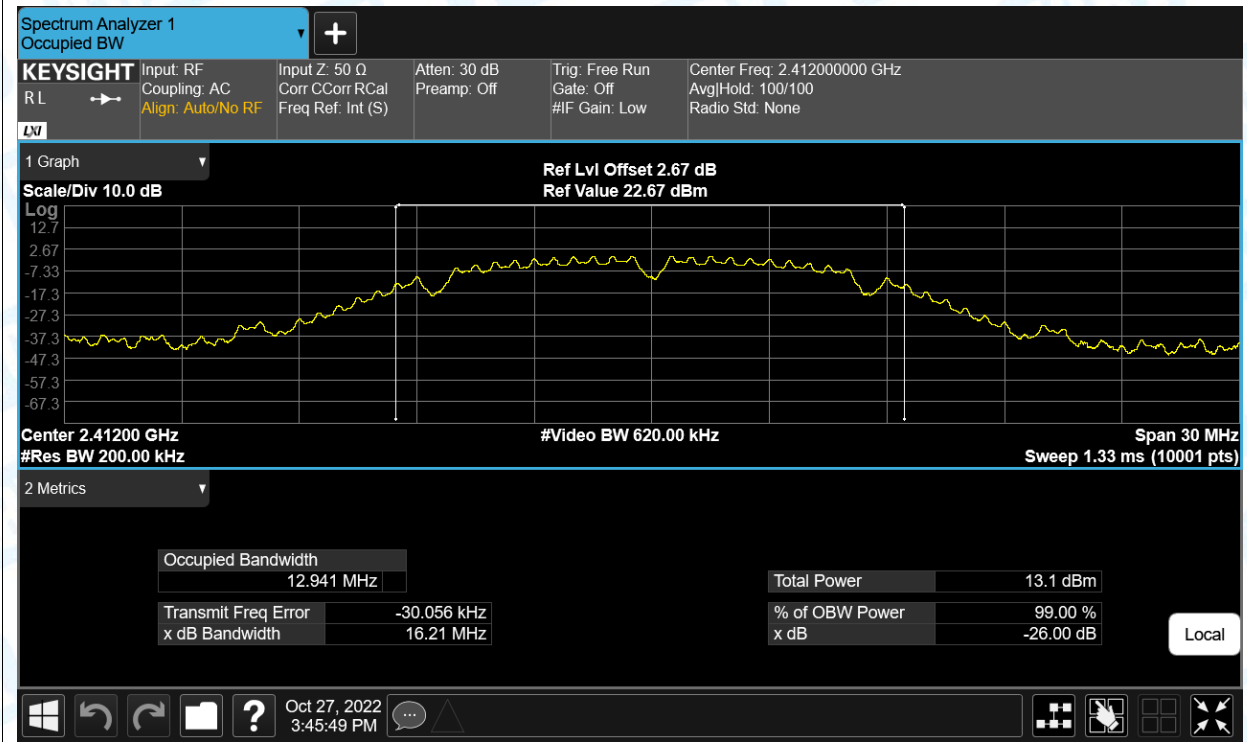


Occupied Channel Bandwidth

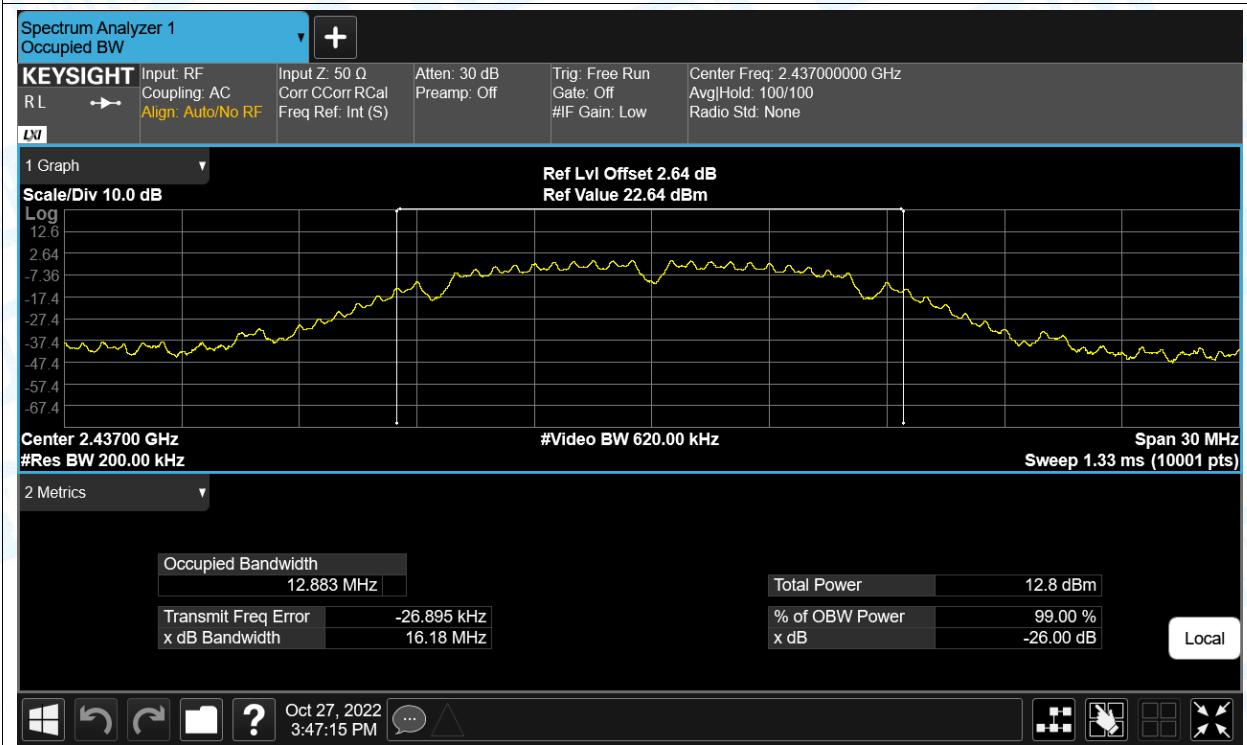
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.941
NVNT	b	2437	Ant1	12.883
NVNT	b	2462	Ant1	12.836

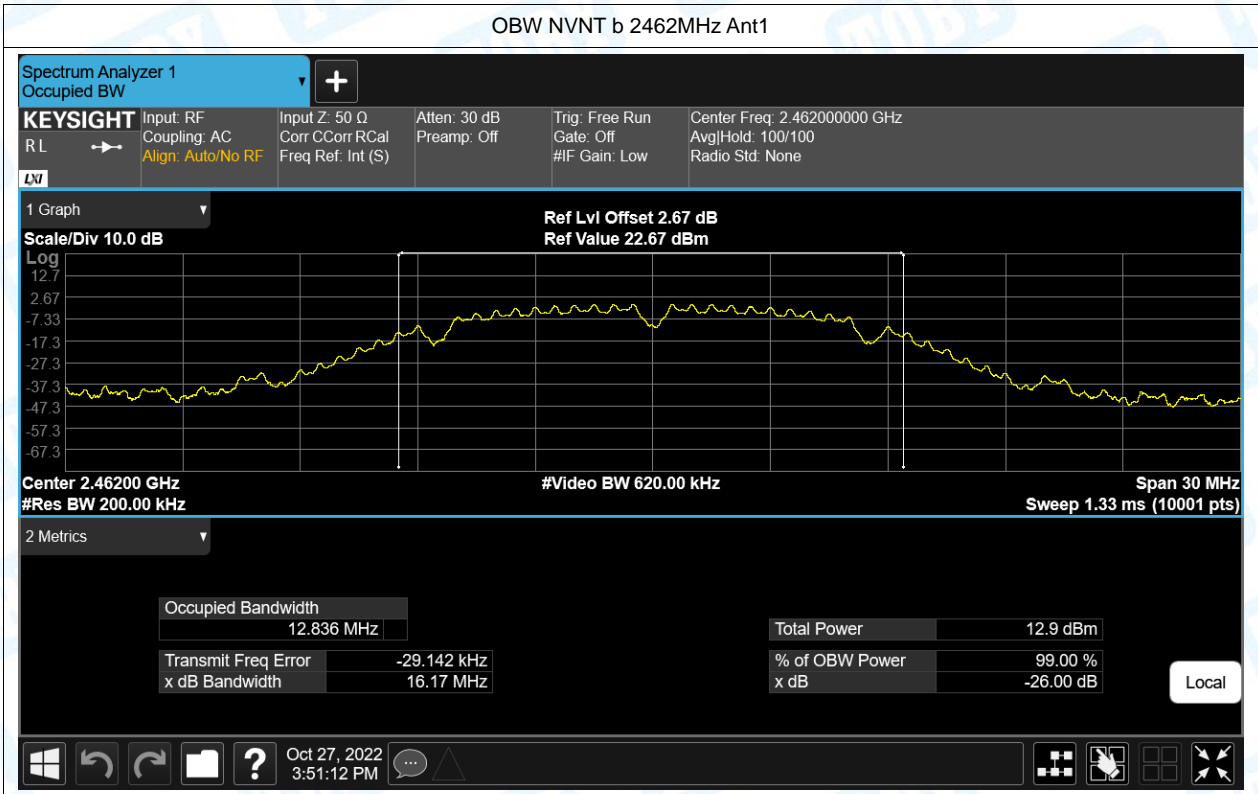
Test Graphs

OBW NVNT b 2412MHz Ant1



OBW NVNT b 2437MHz Ant1



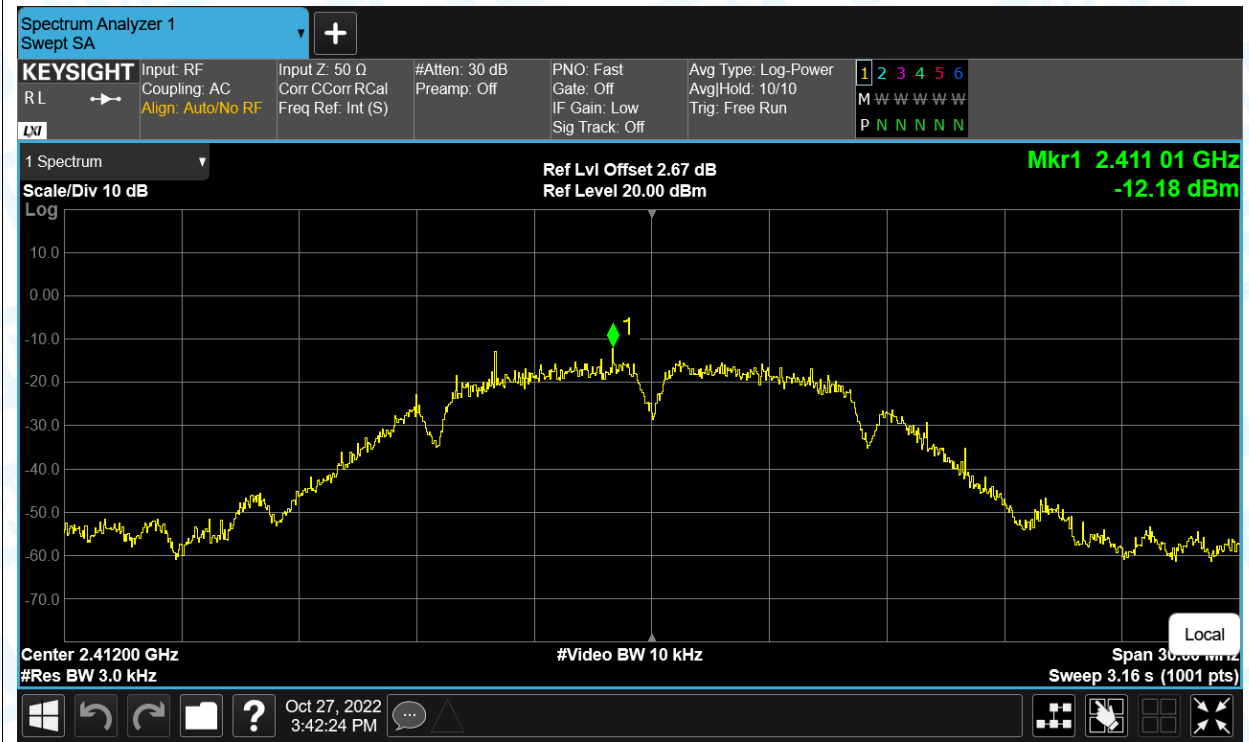


Maximum Power Spectral Density Level

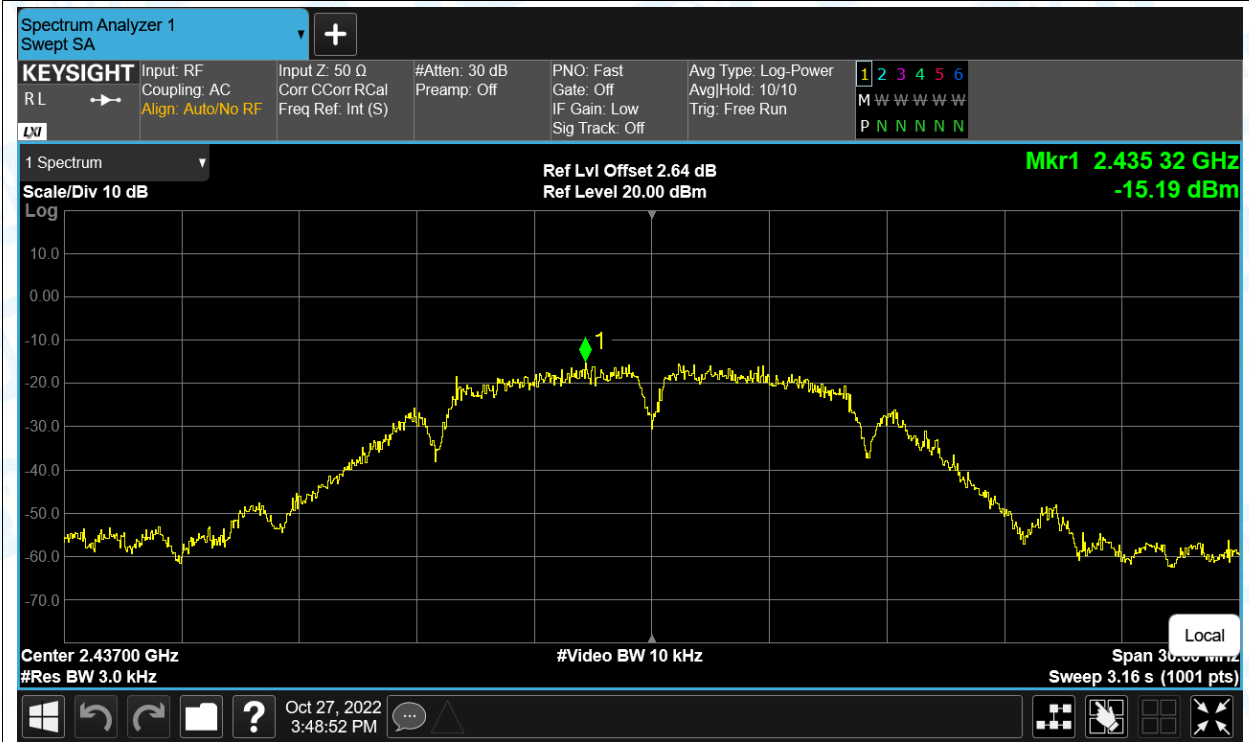
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-12.178	8	Pass
NVNT	b	2437	Ant1	-15.191	8	Pass
NVNT	b	2462	Ant1	-14.674	8	Pass

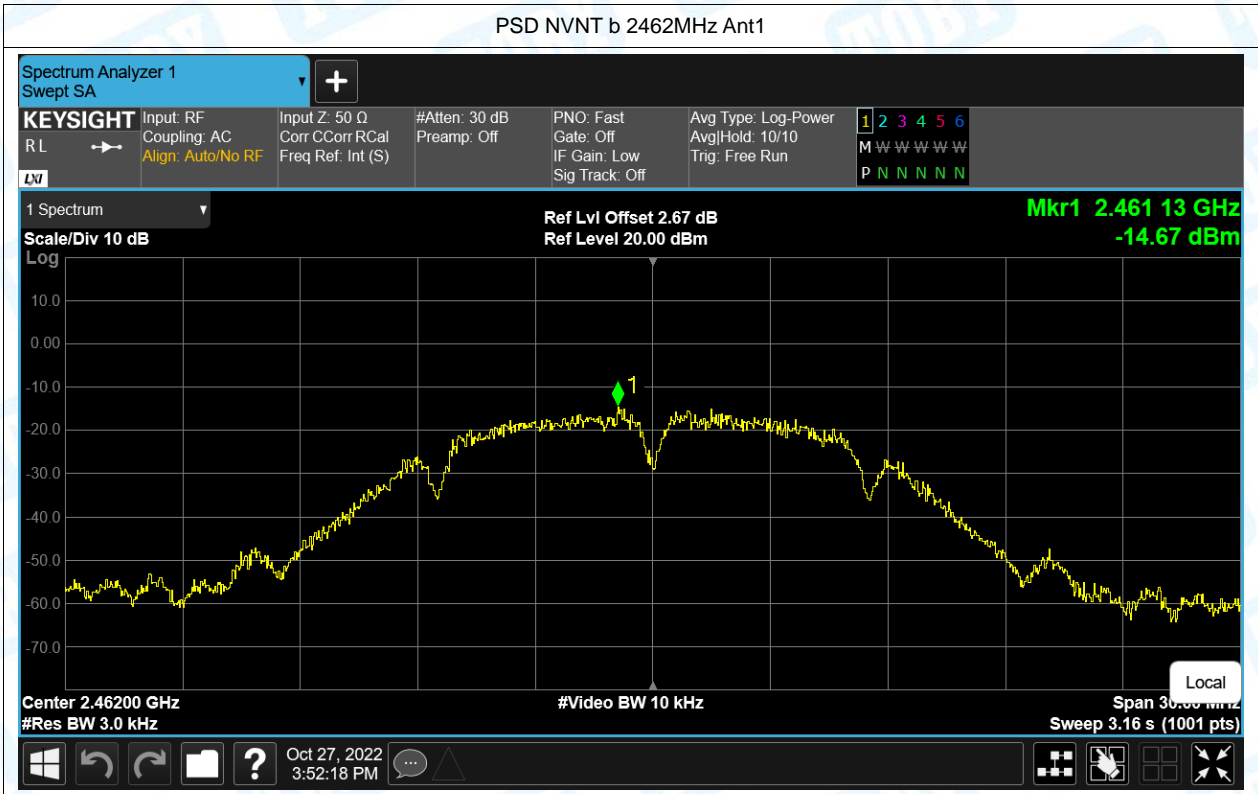
Test Graphs

PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1



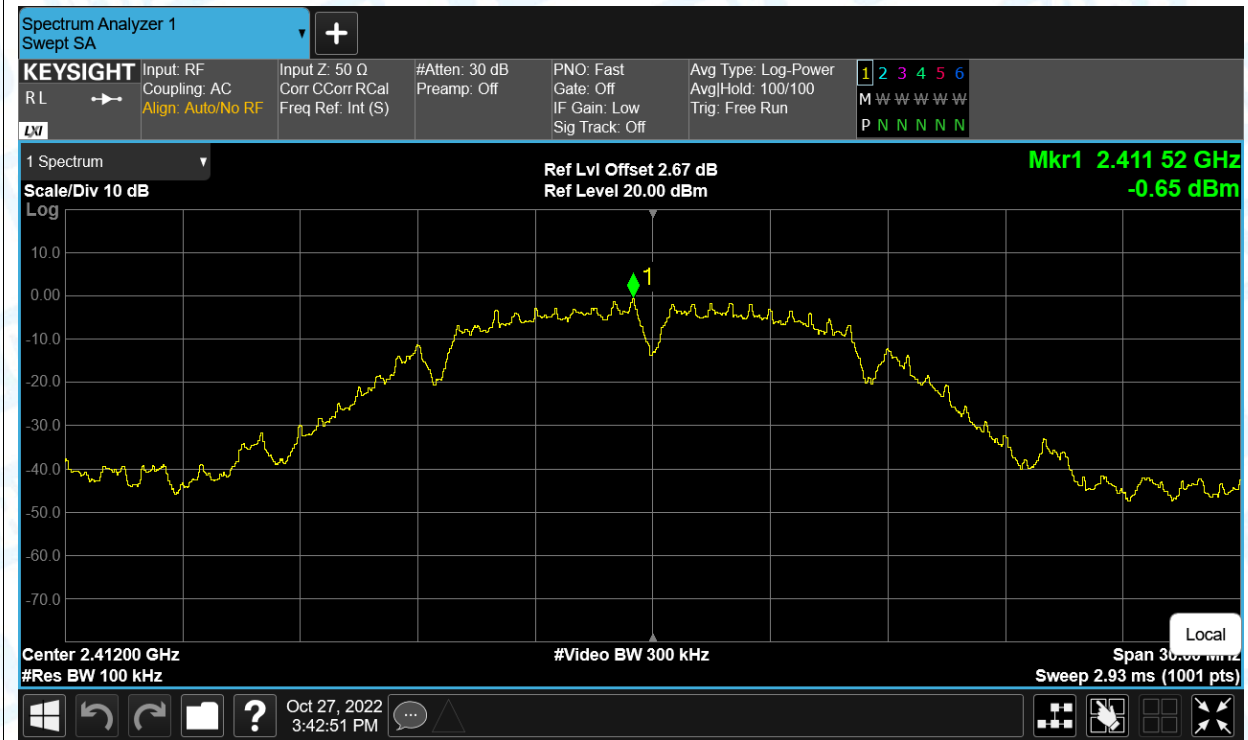


Band Edge

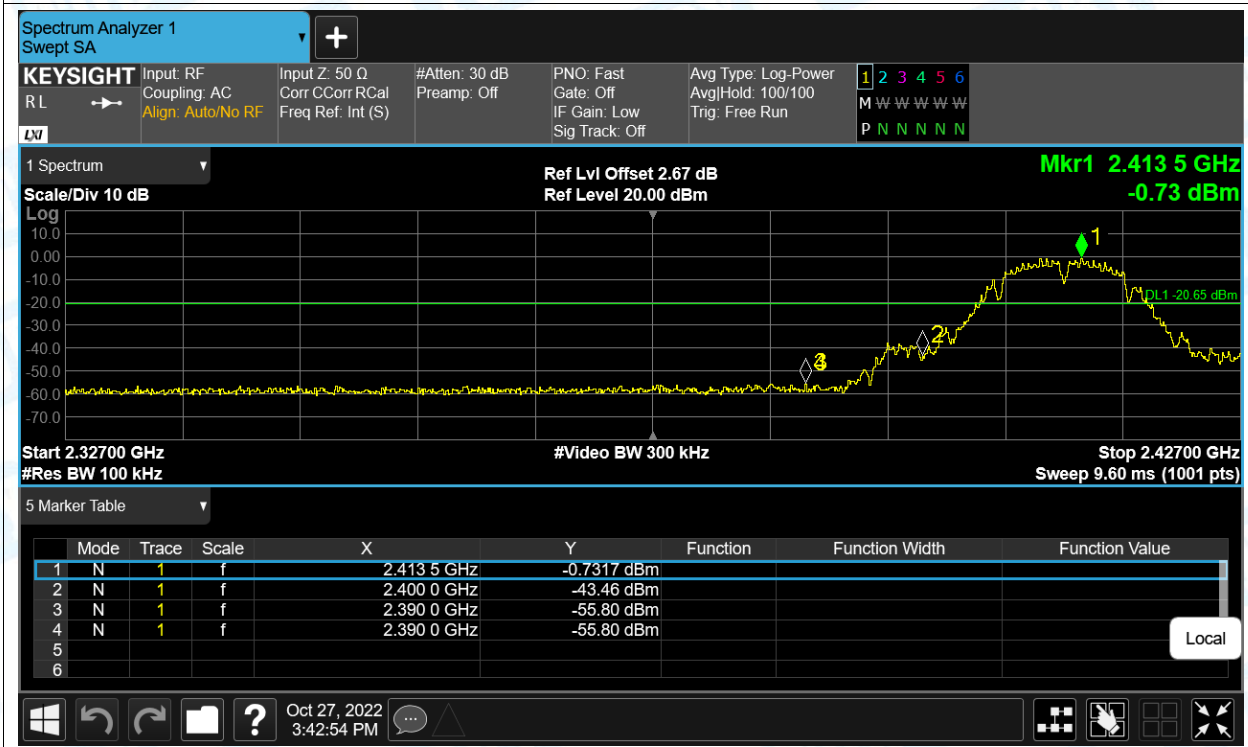
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-55.15	-20	Pass
NVNT	b	2462	Ant1	-54.08	-20	Pass

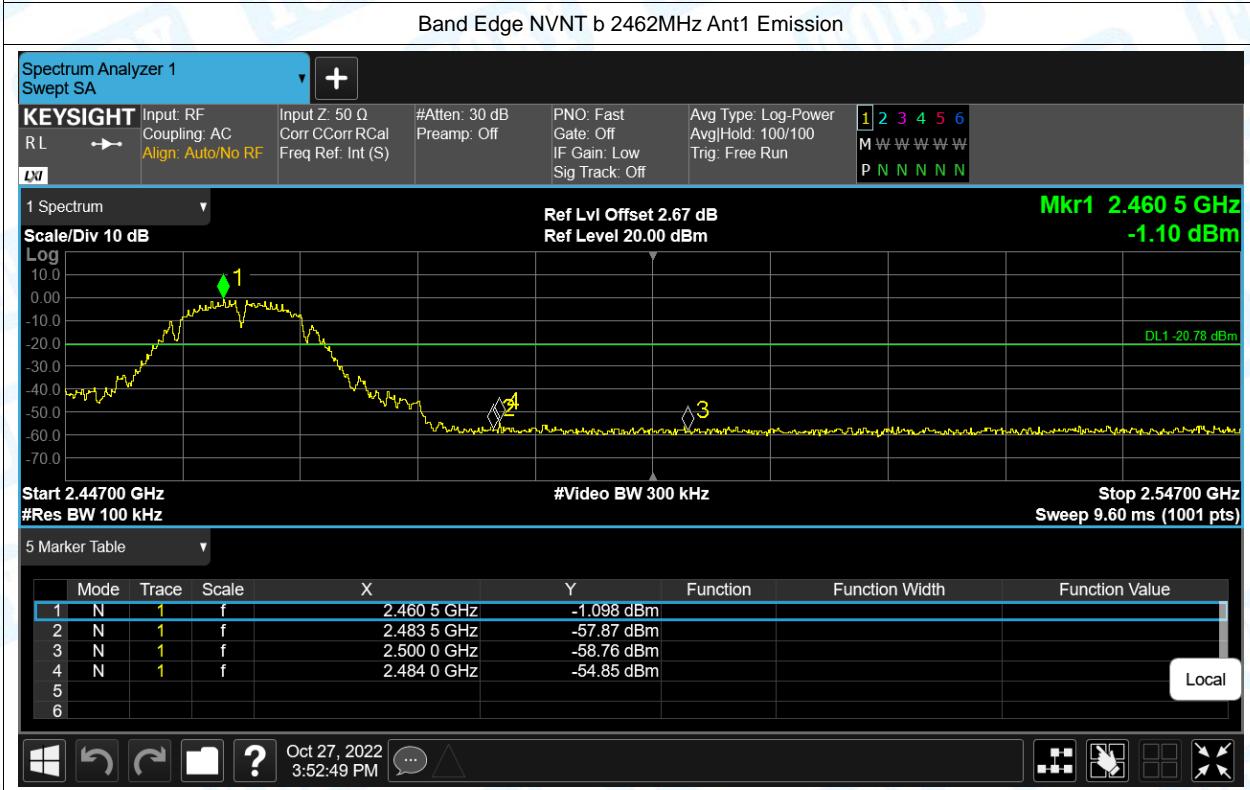
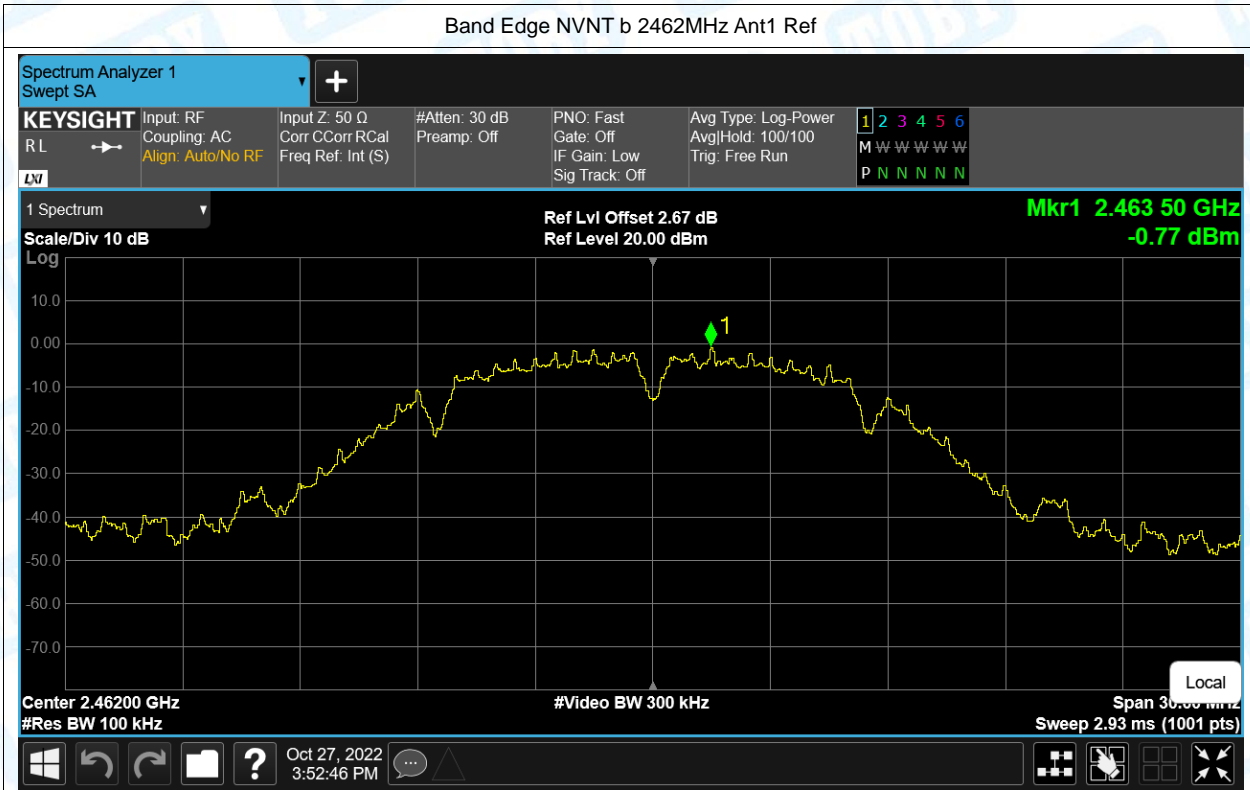
Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



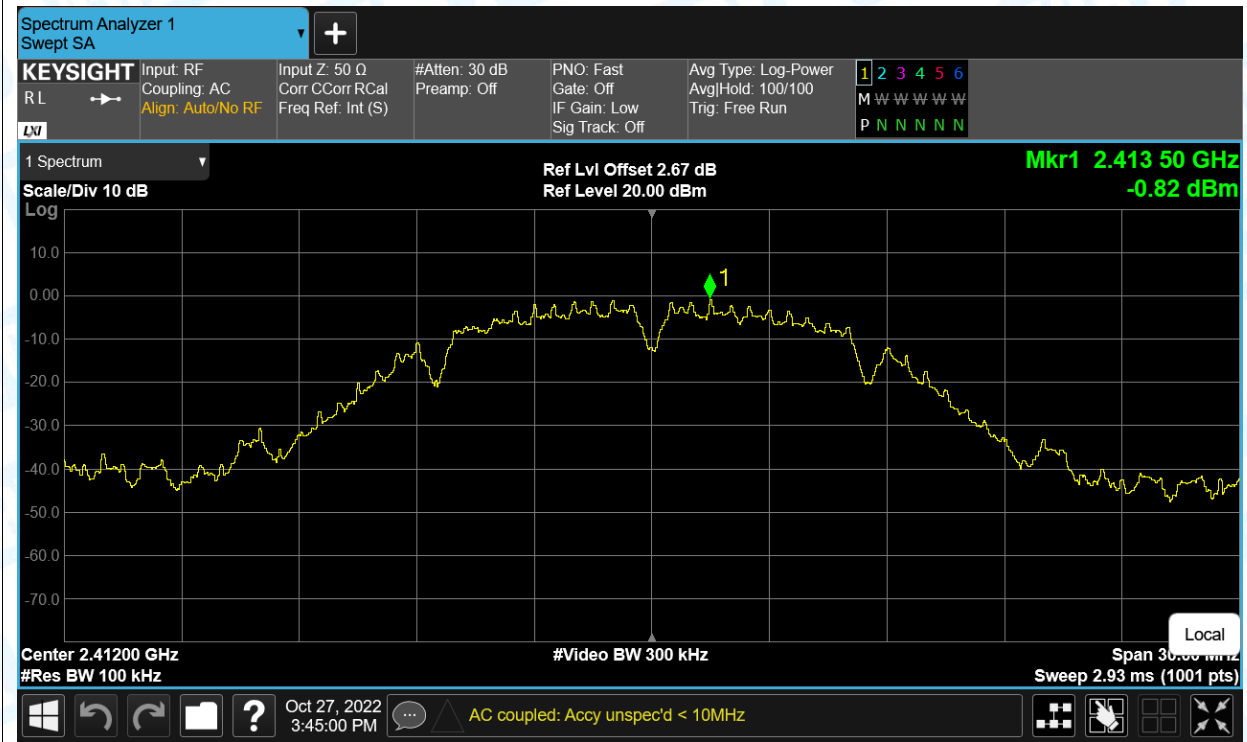


Conducted RF Spurious Emission

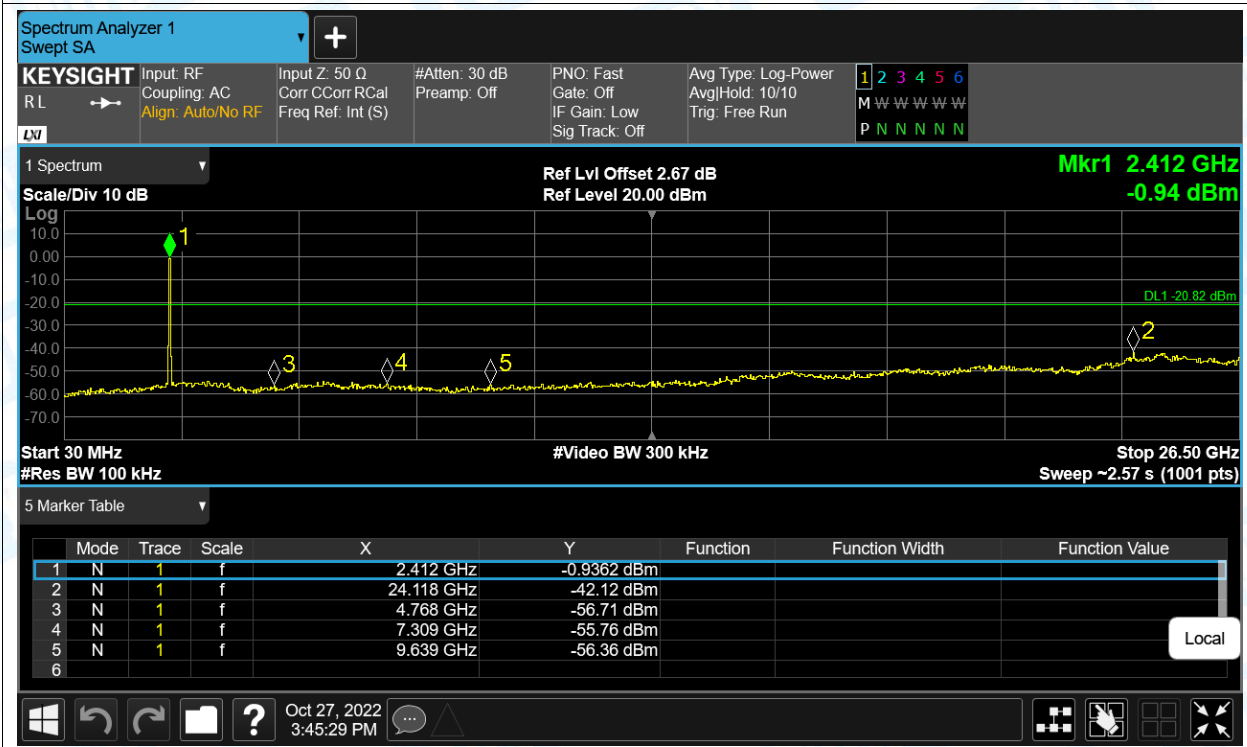
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-41.3	-20	Pass
NVNT	b	2437	Ant1	-40.37	-20	Pass
NVNT	b	2462	Ant1	-41.66	-20	Pass

Test Graphs

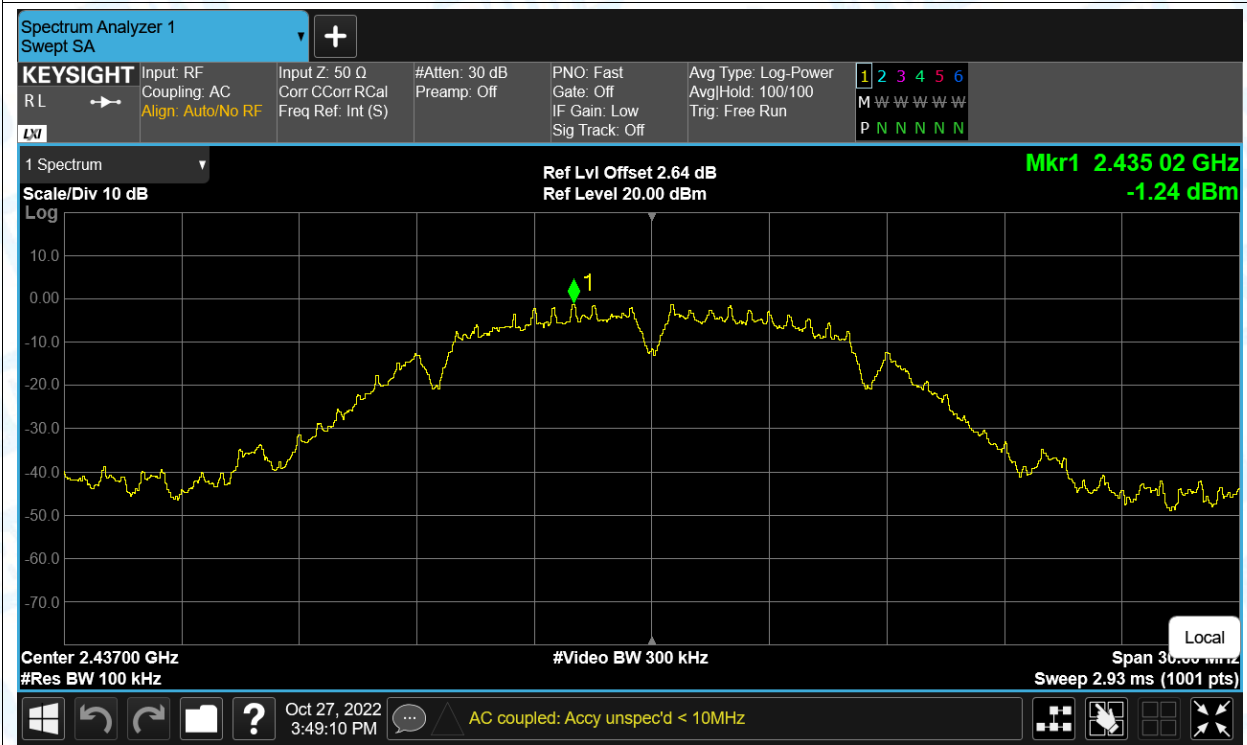
Tx. Spurious NVNT b 2412MHz Ant1 Ref



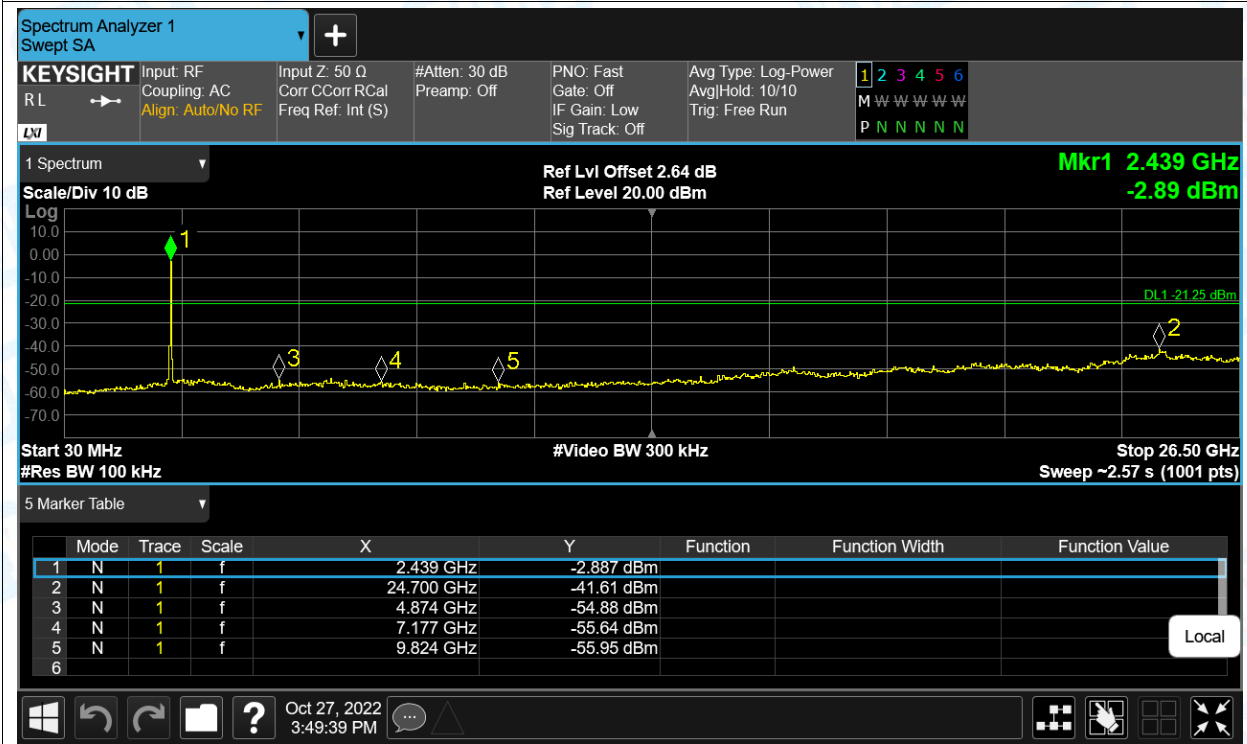
Tx. Spurious NVNT b 2412MHz Ant1 Emission

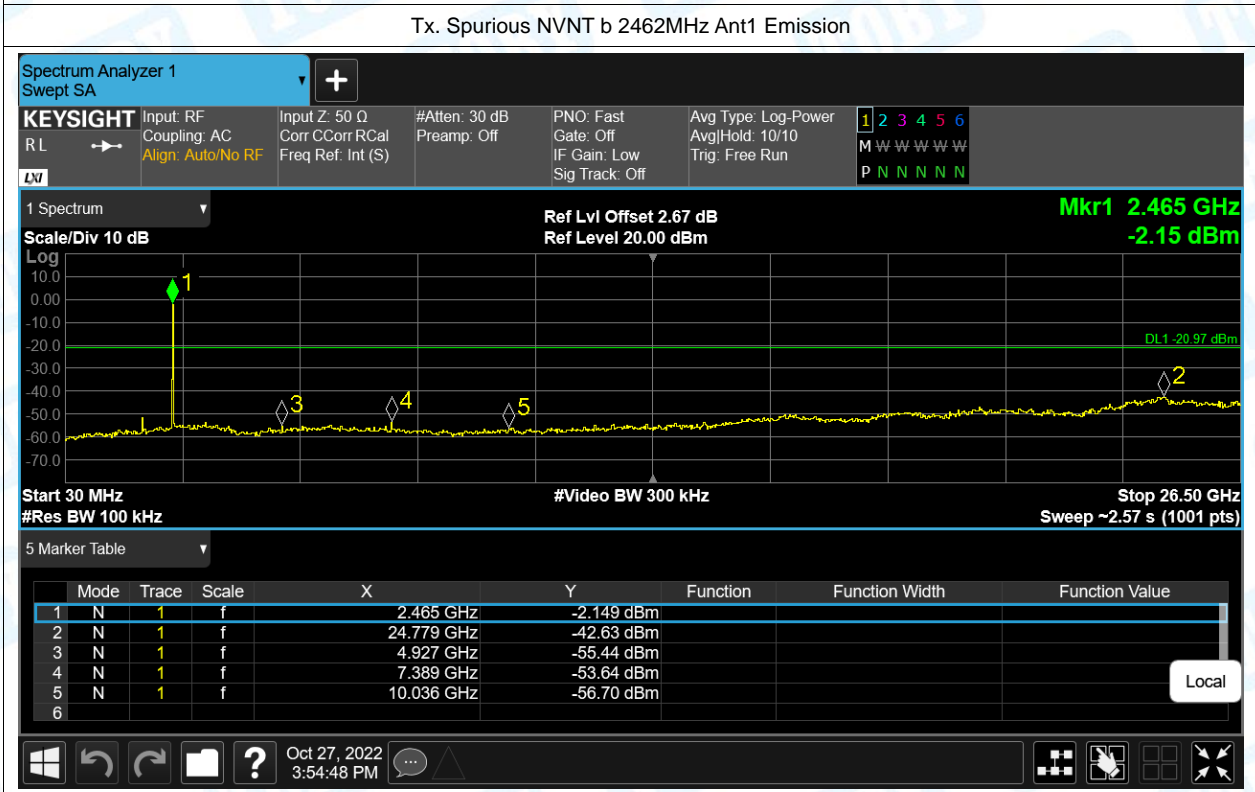
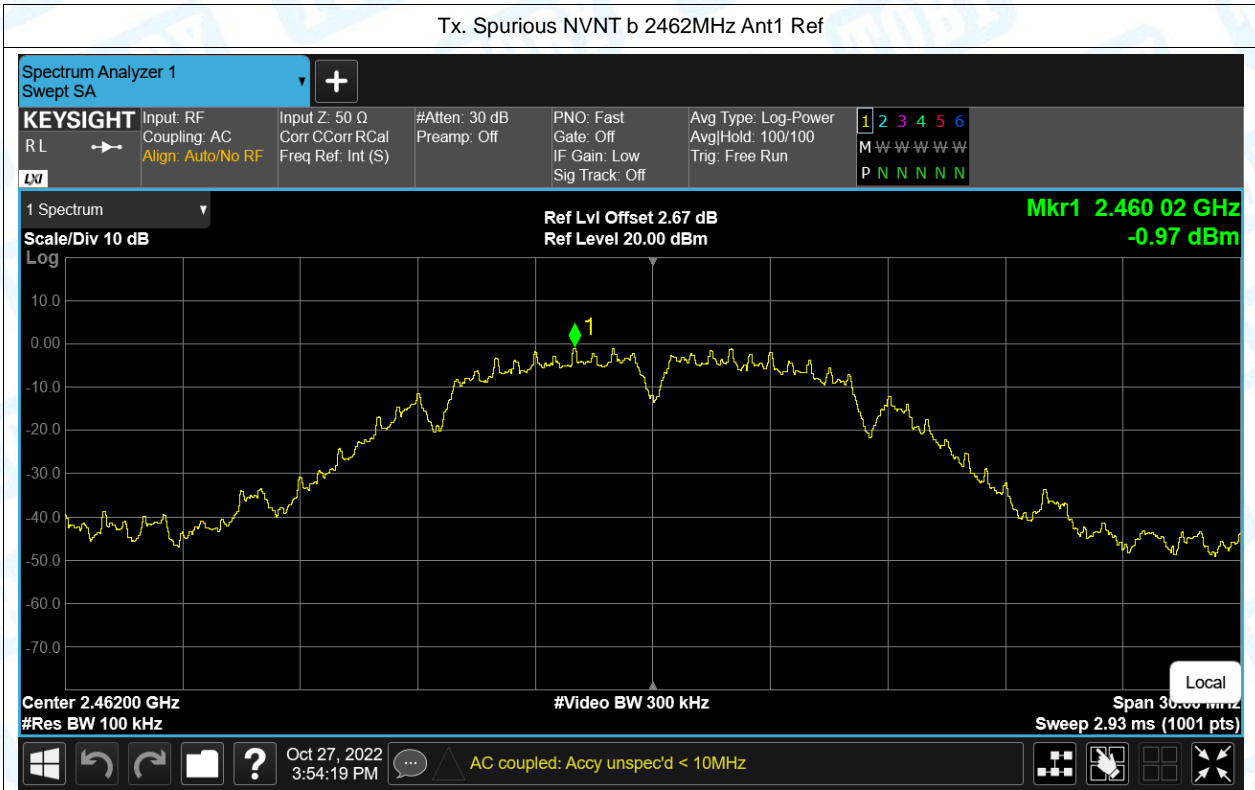


Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission



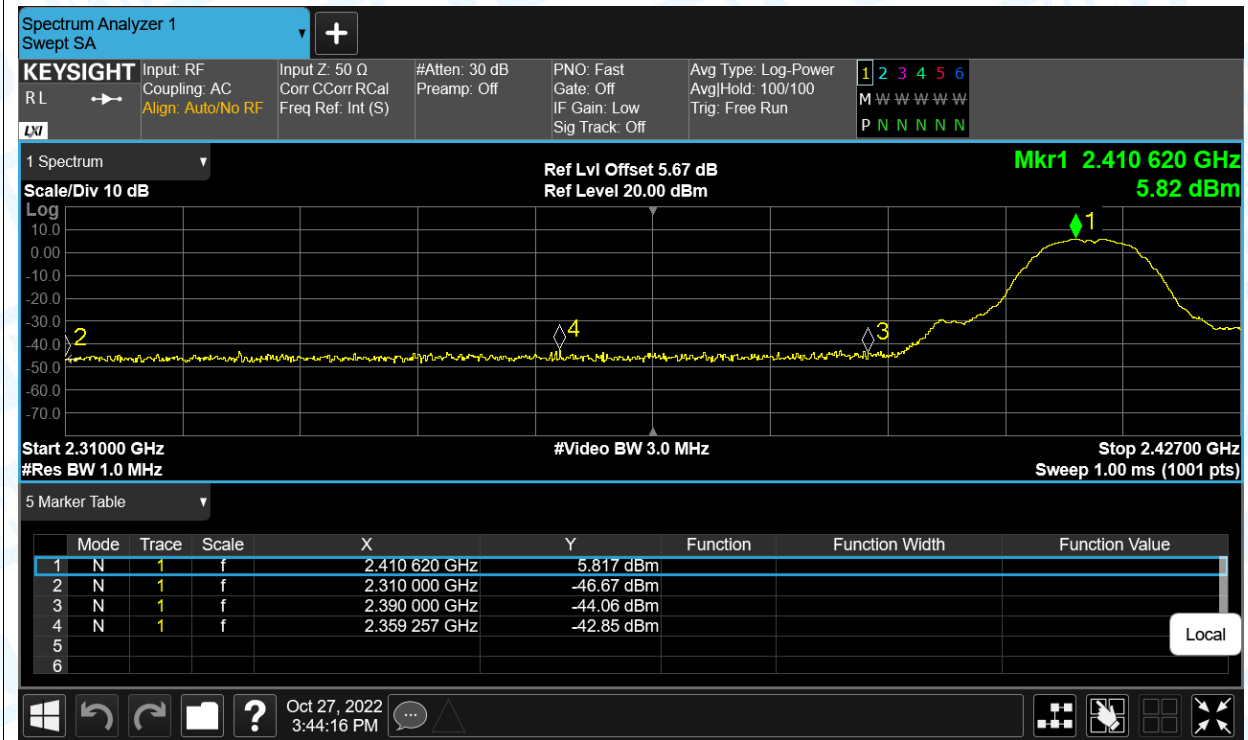


Restrict Band

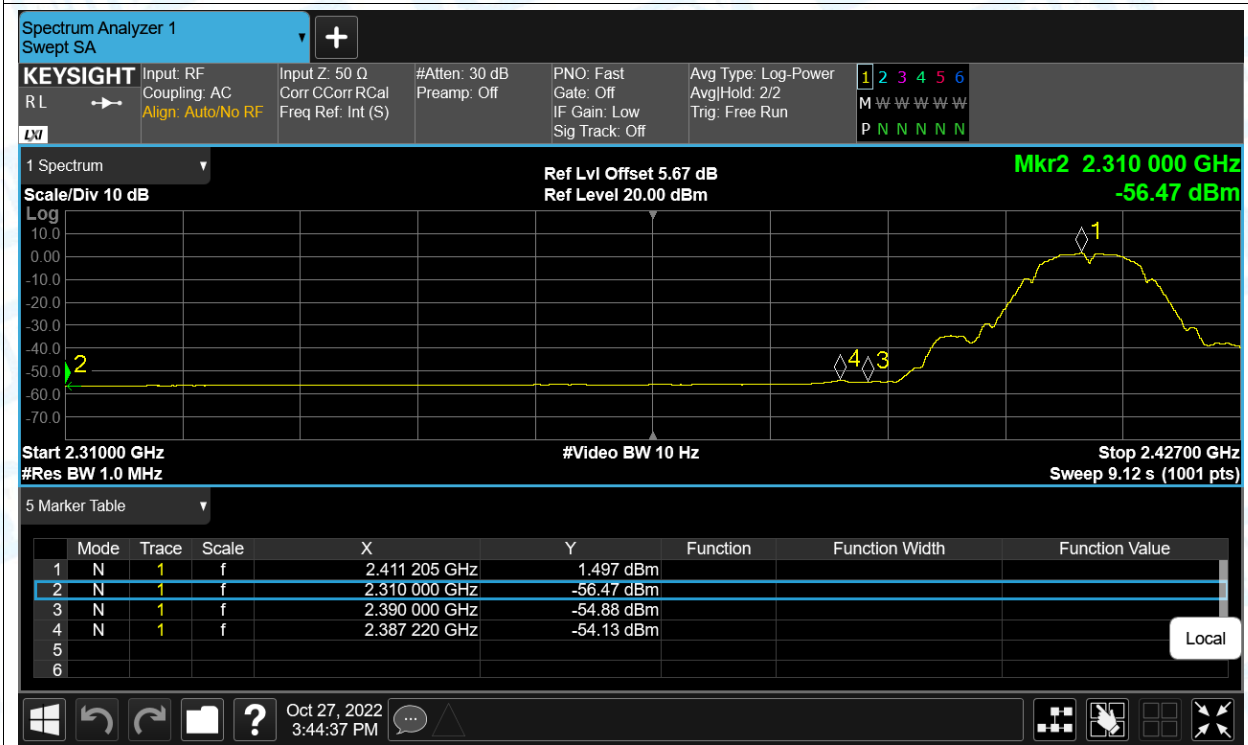
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBUV/m)	Detector	Limit (dBUV/m)	Verdict
NVNT	b	2412	Ant1	2310	-46.67	3	51.59	Peak	74	Pass
NVNT	b	2412	Ant1	2310	-56.47	3	41.79	Average	54	Pass
NVNT	b	2412	Ant1	2359.257	-42.85	3	55.41	Peak	74	Pass
NVNT	b	2412	Ant1	2387.22	-54.13	3	44.13	Average	54	Pass
NVNT	b	2412	Ant1	2390	-44.06	3	54.2	Peak	74	Pass
NVNT	b	2412	Ant1	2390	-54.88	3	43.38	Average	54	Pass
NVNT	b	2462	Ant1	2483.5	-46.38	3	51.88	Peak	74	Pass
NVNT	b	2462	Ant1	2483.5	-55.25	3	43.01	Average	54	Pass
NVNT	b	2462	Ant1	2486.167	-43	3	55.26	Peak	74	Pass
NVNT	b	2462	Ant1	2483.517	-55.25	3	43.01	Average	54	Pass
NVNT	b	2462	Ant1	2500	-46.35	3	51.91	Peak	74	Pass
NVNT	b	2462	Ant1	2500	-55.96	3	42.3	Average	54	Pass

Test Graphs

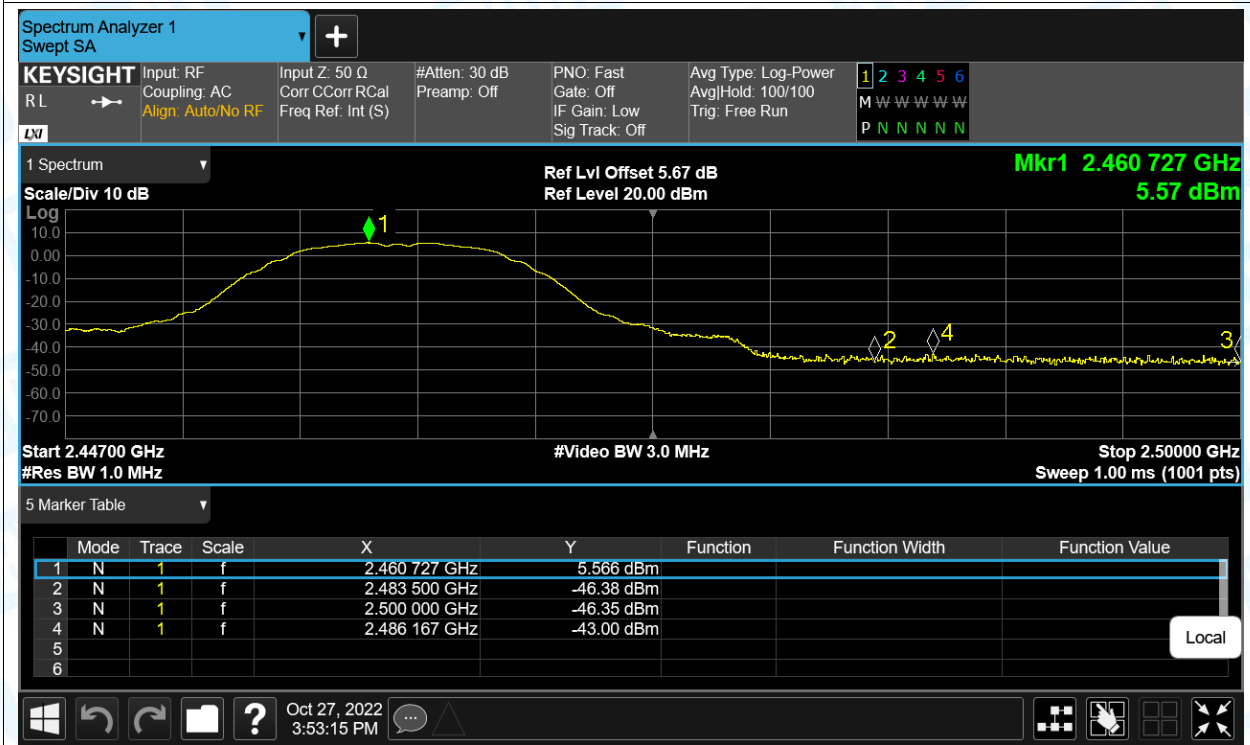
Restrict Band NVNT b 2412MHz Ant1 Peak



Restrict Band NVNT b 2412MHz Ant1 Average



Restrict Band NVNT b 2462MHz Ant1 Peak



Restrict Band NVNT b 2462MHz Ant1 Average

