

RF Test Data for Bluetooth LE (Conducted Measurements)

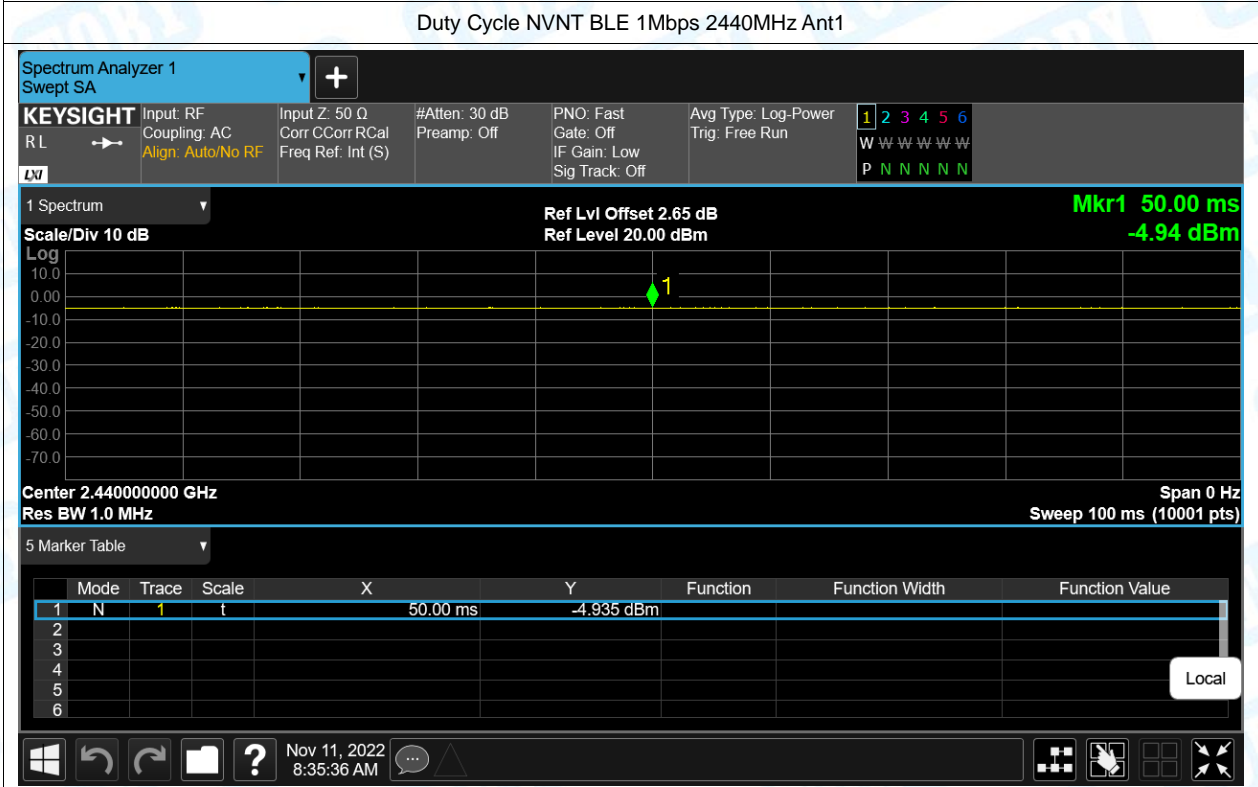
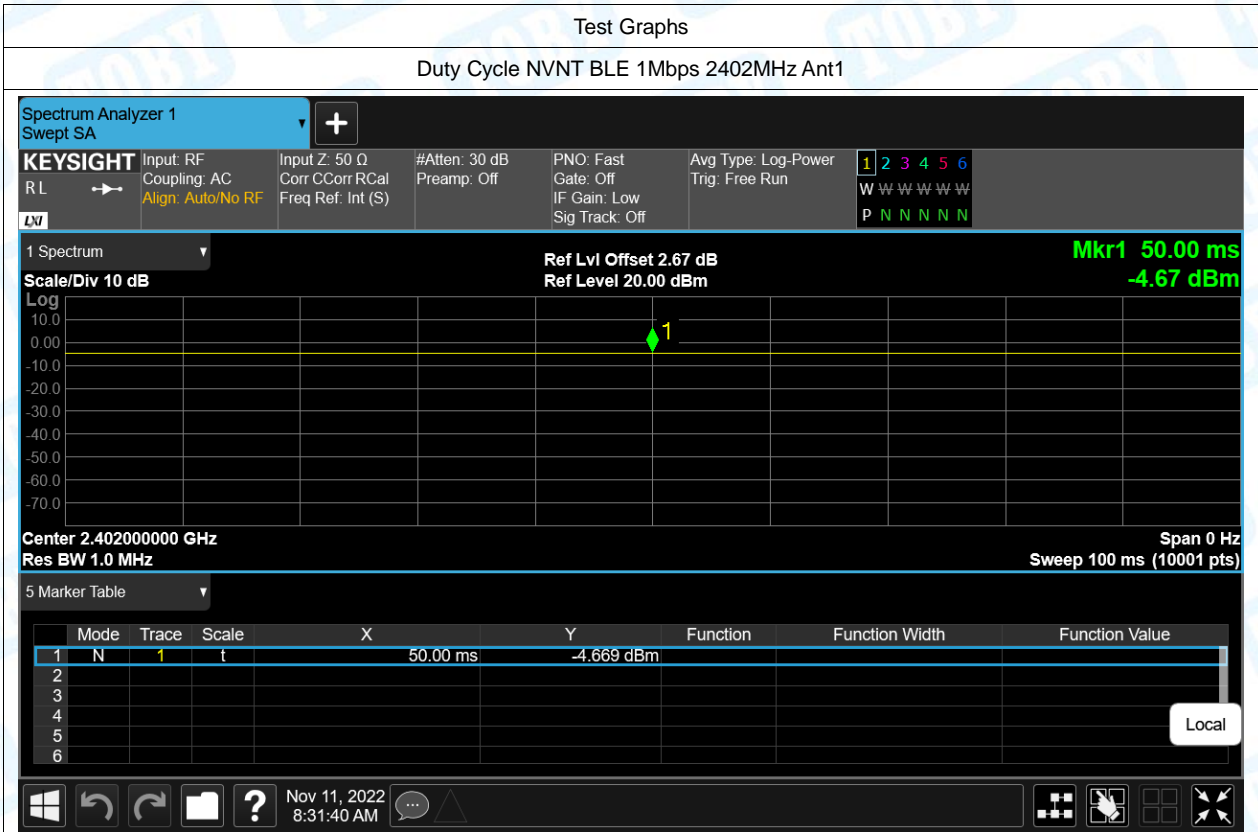
General Description of EUT	
Product Name:	Smart PTZ Battery Camera
Test Model:	CQ1
Sample ID:	202211-0073-01_2
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 3.7V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202211-0073-9	

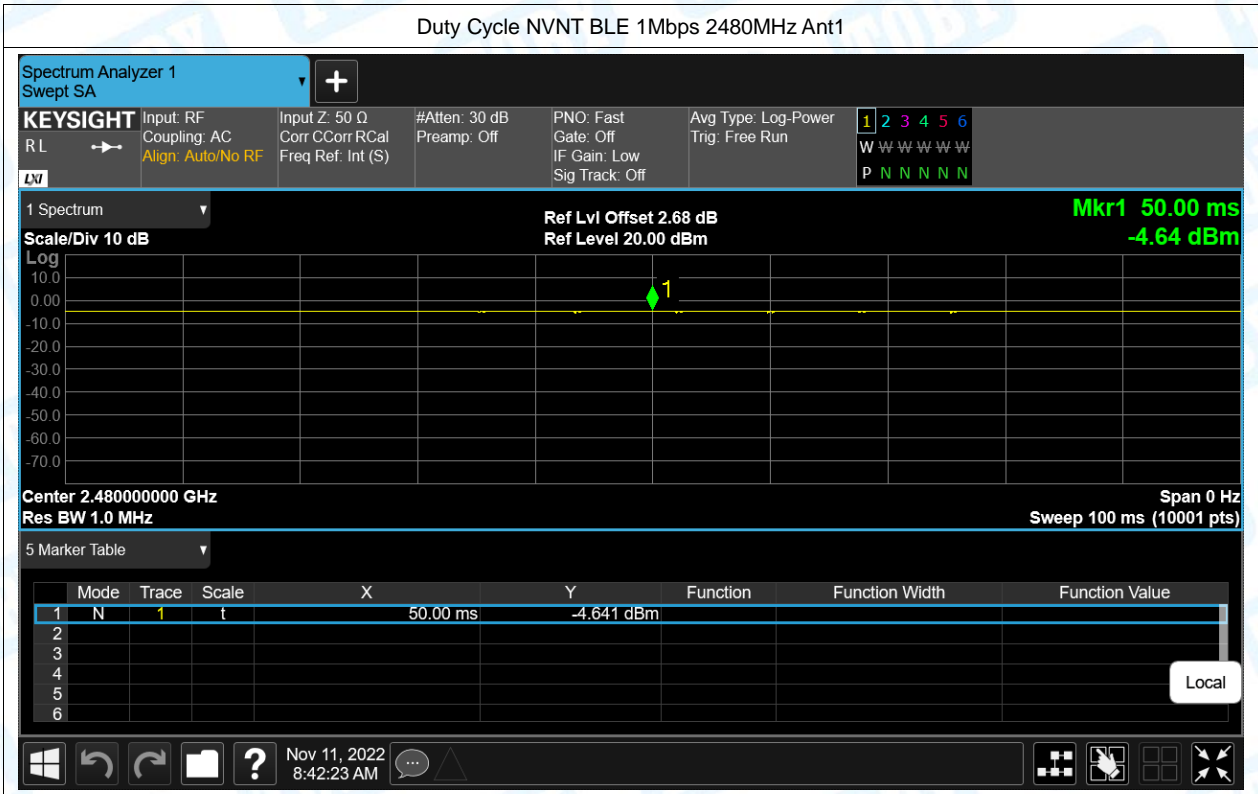
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1. Duty Cycle

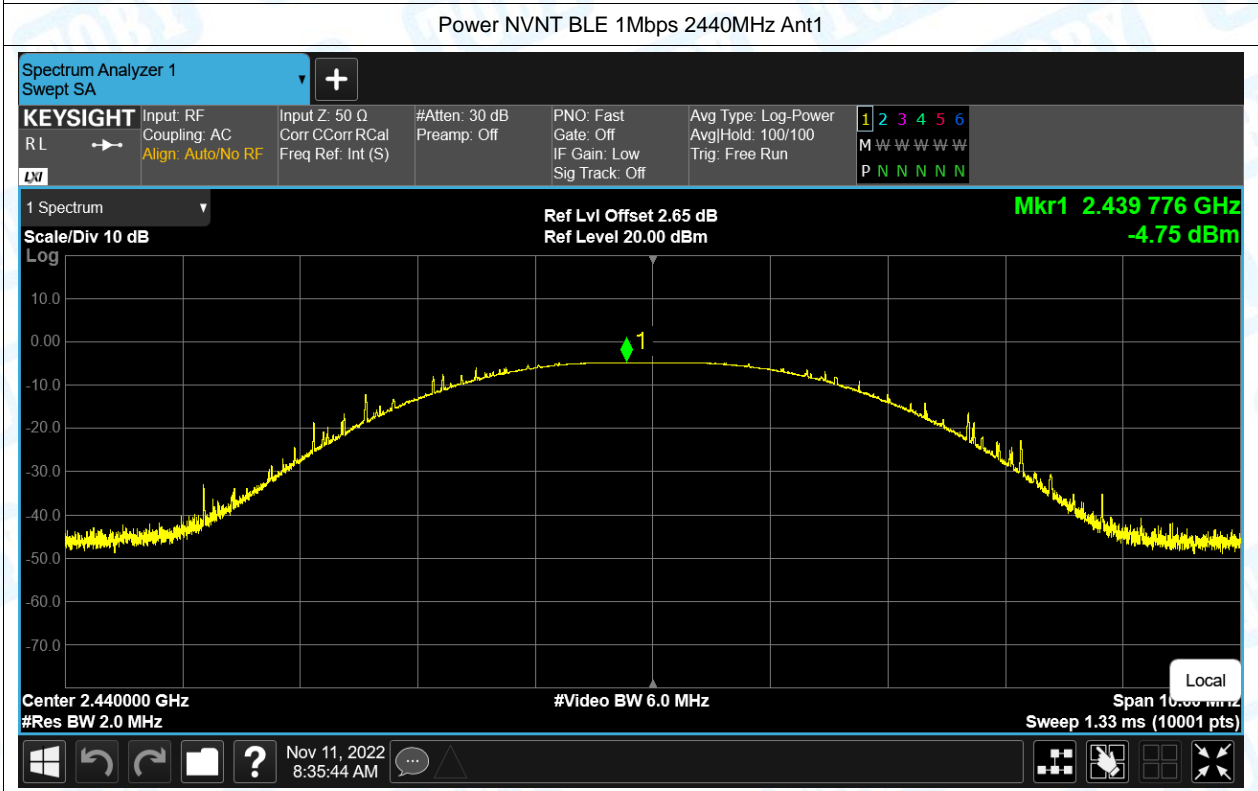
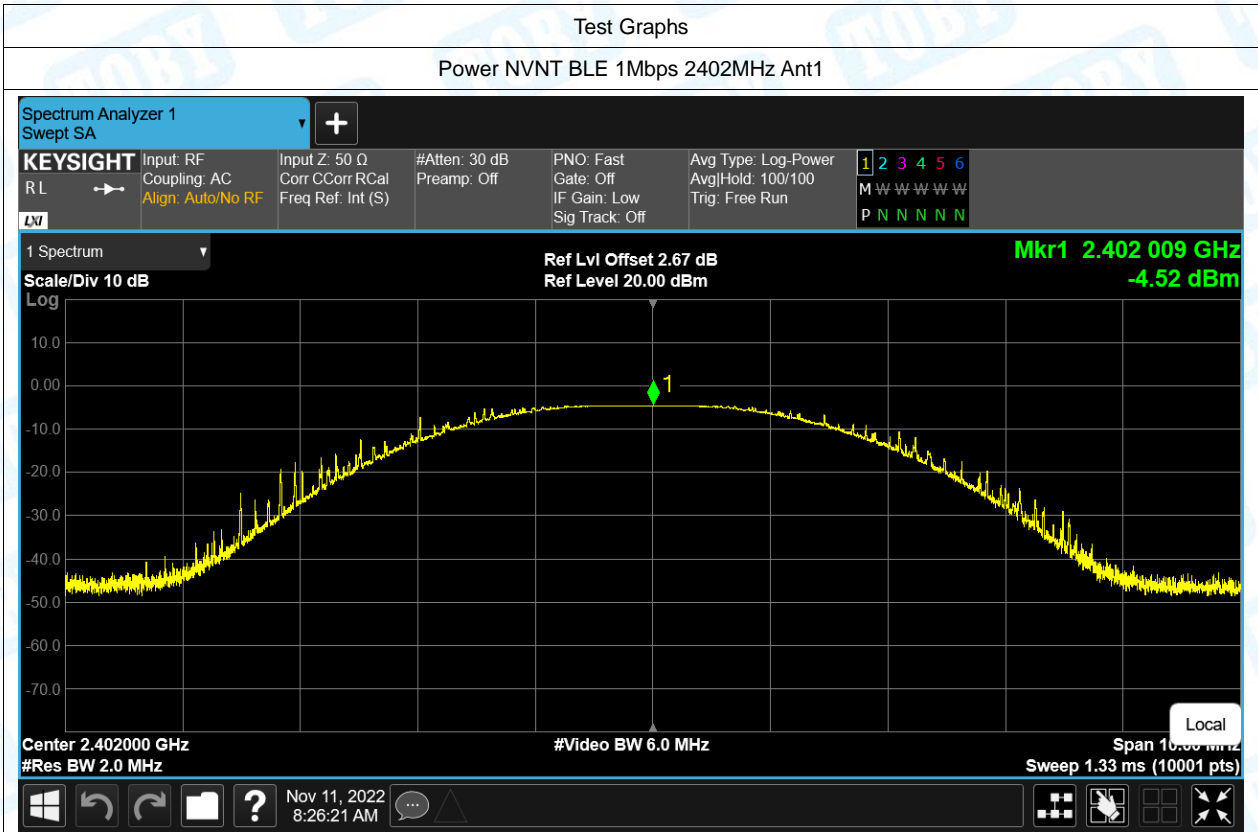
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1Mbps	2402	Ant1	100	0	0
NVNT	BLE 1Mbps	2440	Ant1	100	0	0
NVNT	BLE 1Mbps	2480	Ant1	100	0	0

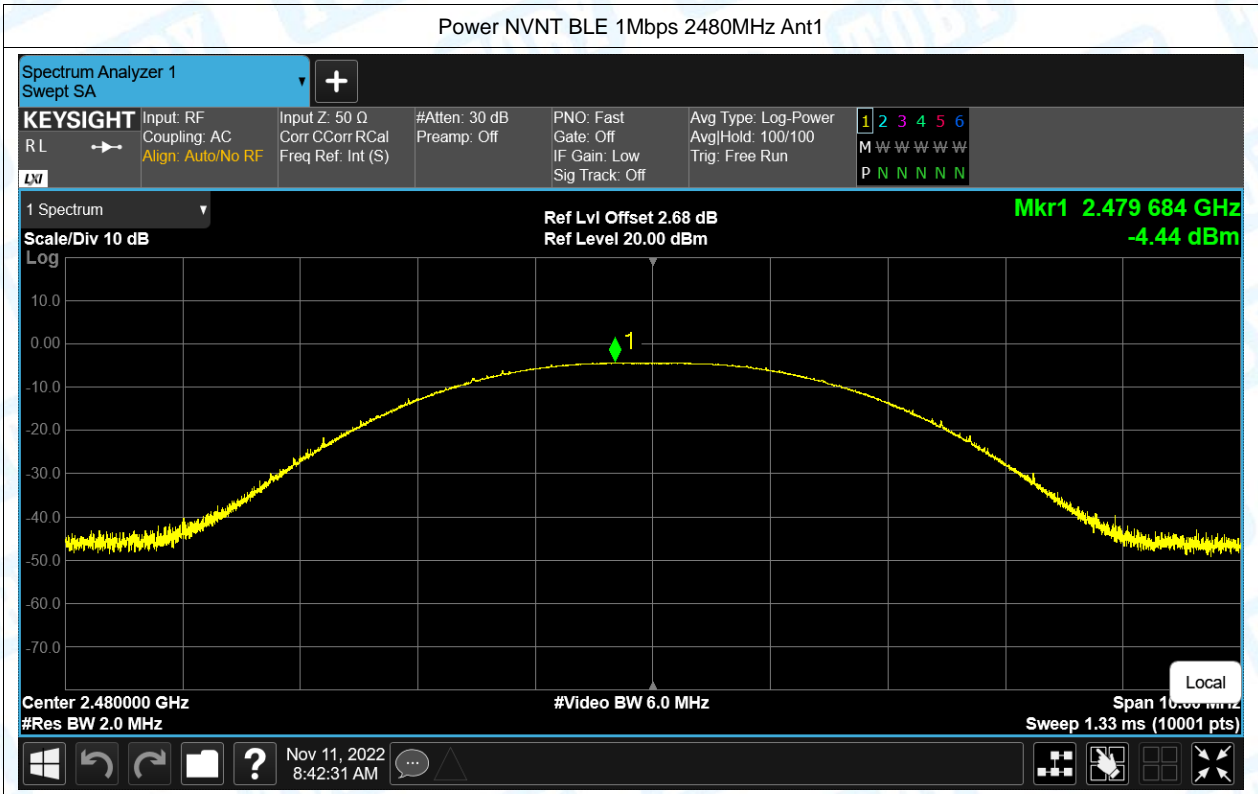




2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-4.522	30	Pass
NVNT	BLE 1Mbps	2440	Ant1	-4.747	30	Pass
NVNT	BLE 1Mbps	2480	Ant1	-4.437	30	Pass





3. -6dB Bandwidth

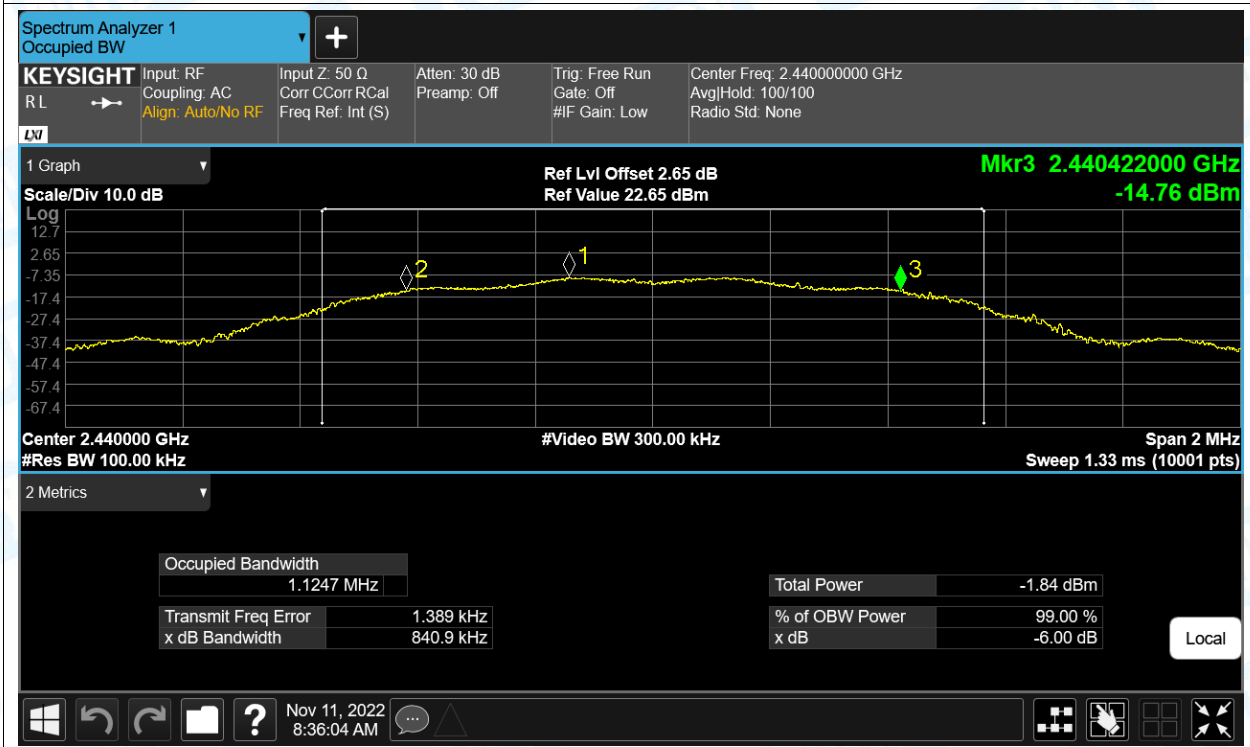
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.75	0.5	Pass
NVNT	BLE 1Mbps	2440	Ant1	0.84	0.5	Pass
NVNT	BLE 1Mbps	2480	Ant1	0.81	0.5	Pass

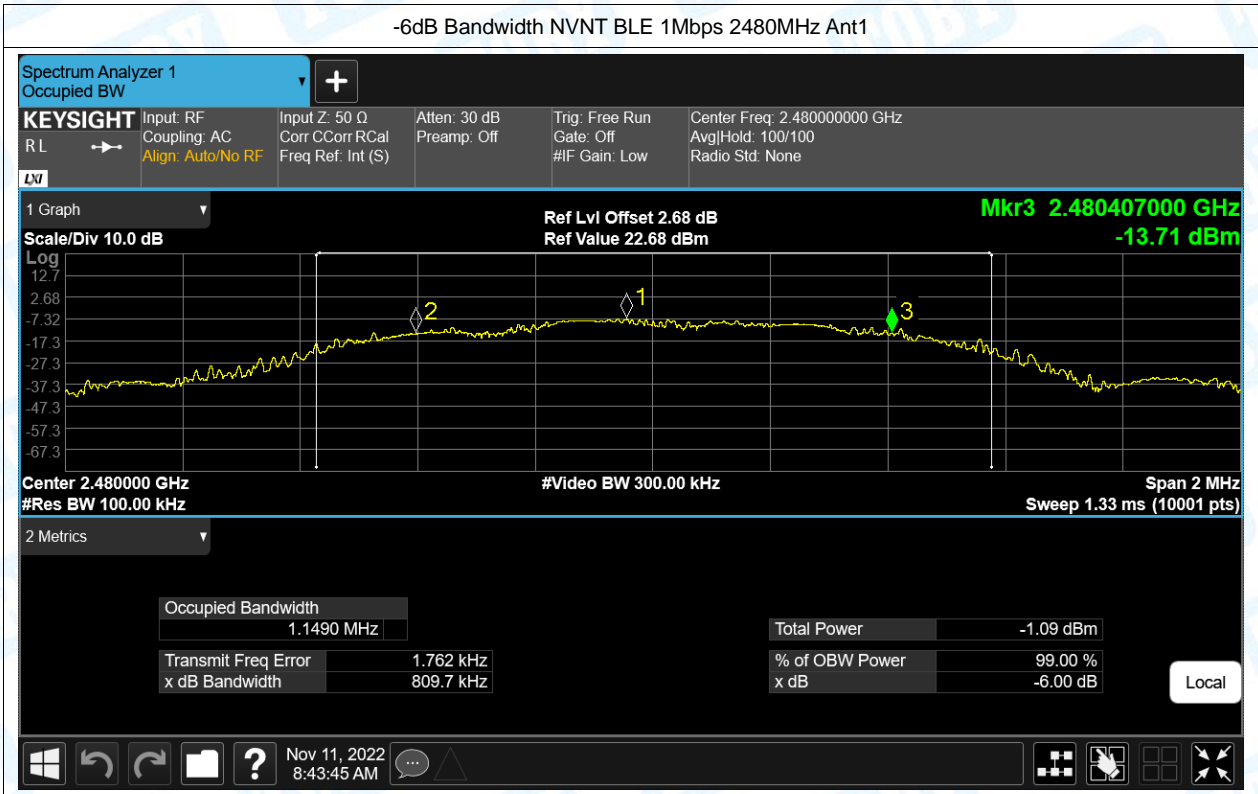
Test Graphs

-6dB Bandwidth NVNT BLE 1Mbps 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1Mbps 2440MHz Ant1



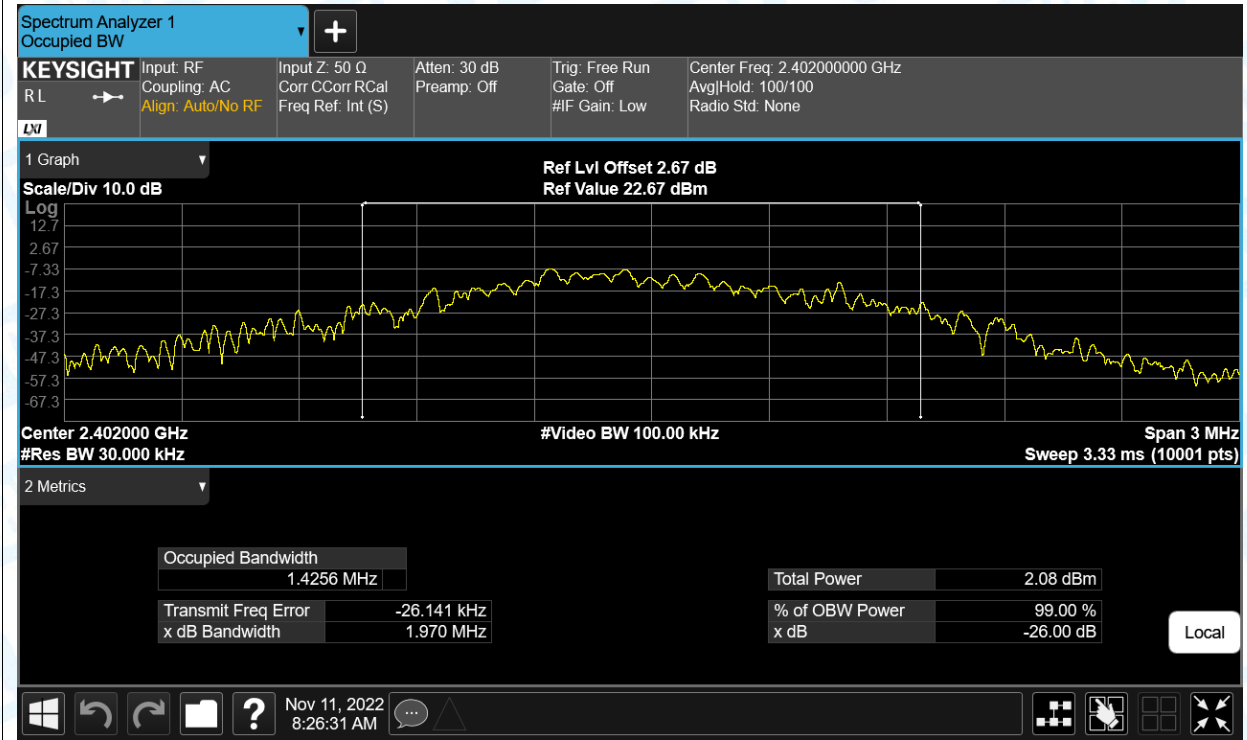


4. Occupied Channel Bandwidth

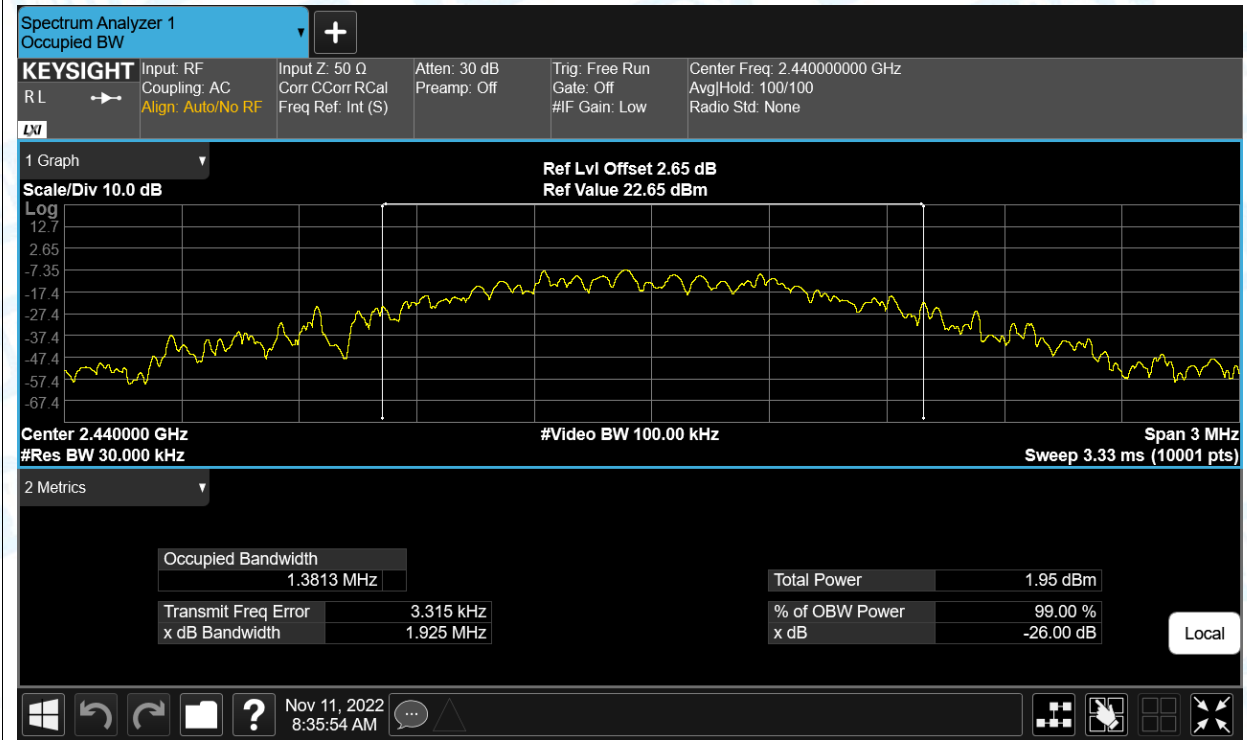
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1Mbps	2402	Ant1	1.426
NVNT	BLE 1Mbps	2440	Ant1	1.381
NVNT	BLE 1Mbps	2480	Ant1	1.095

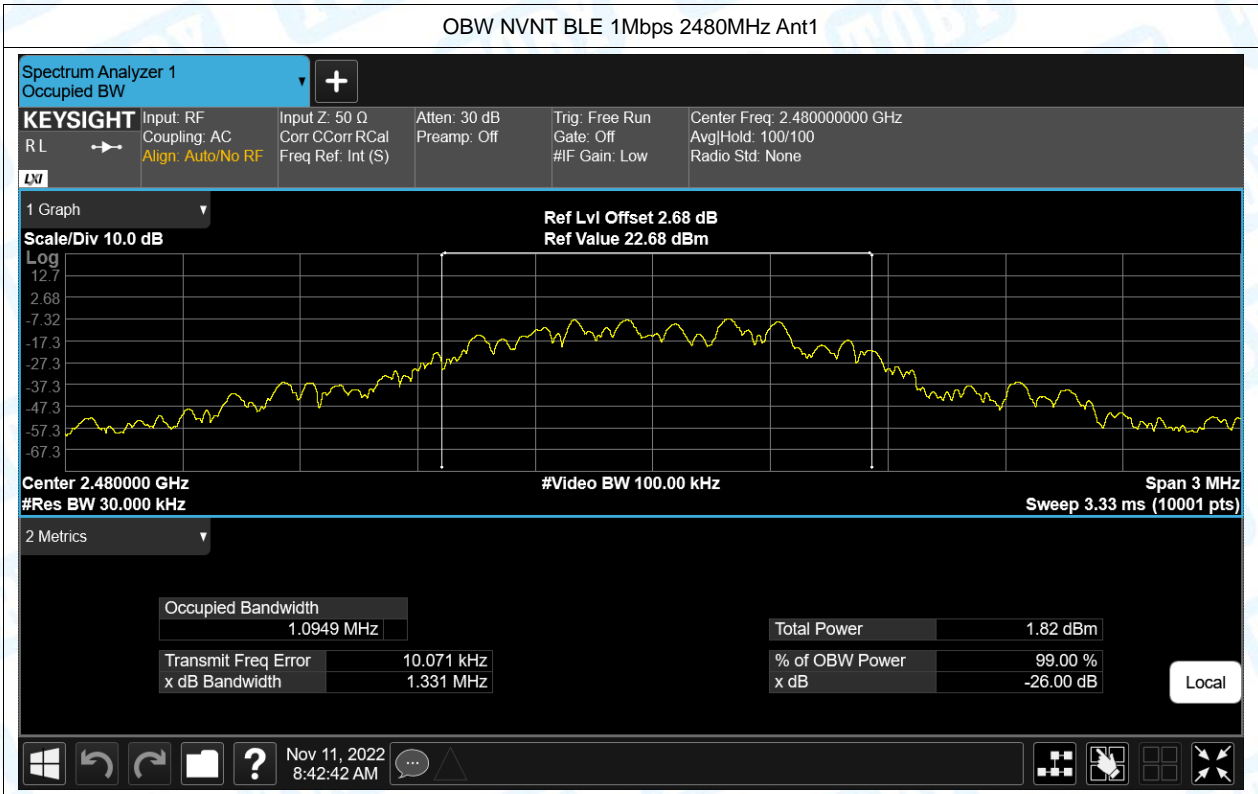
Test Graphs

OBW NVNT BLE 1Mbps 2402MHz Ant1



OBW NVNT BLE 1Mbps 2440MHz Ant1



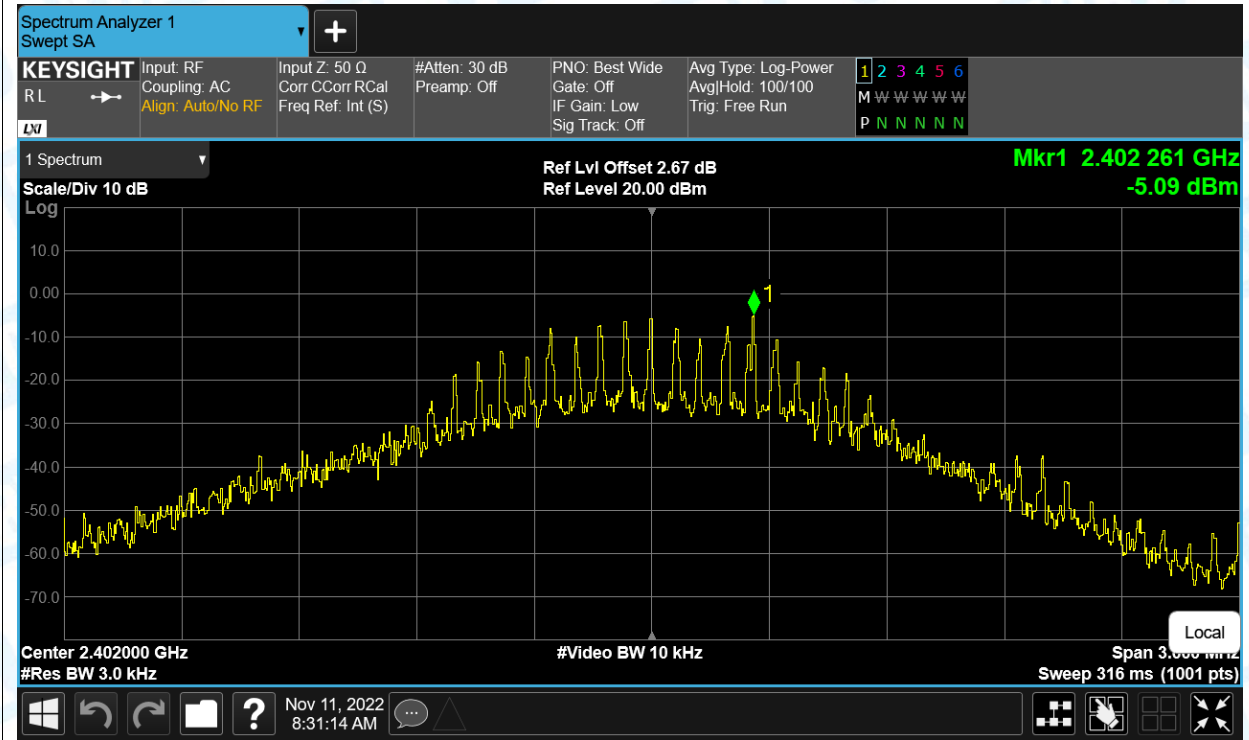


5. Maximum Power Spectral Density Level

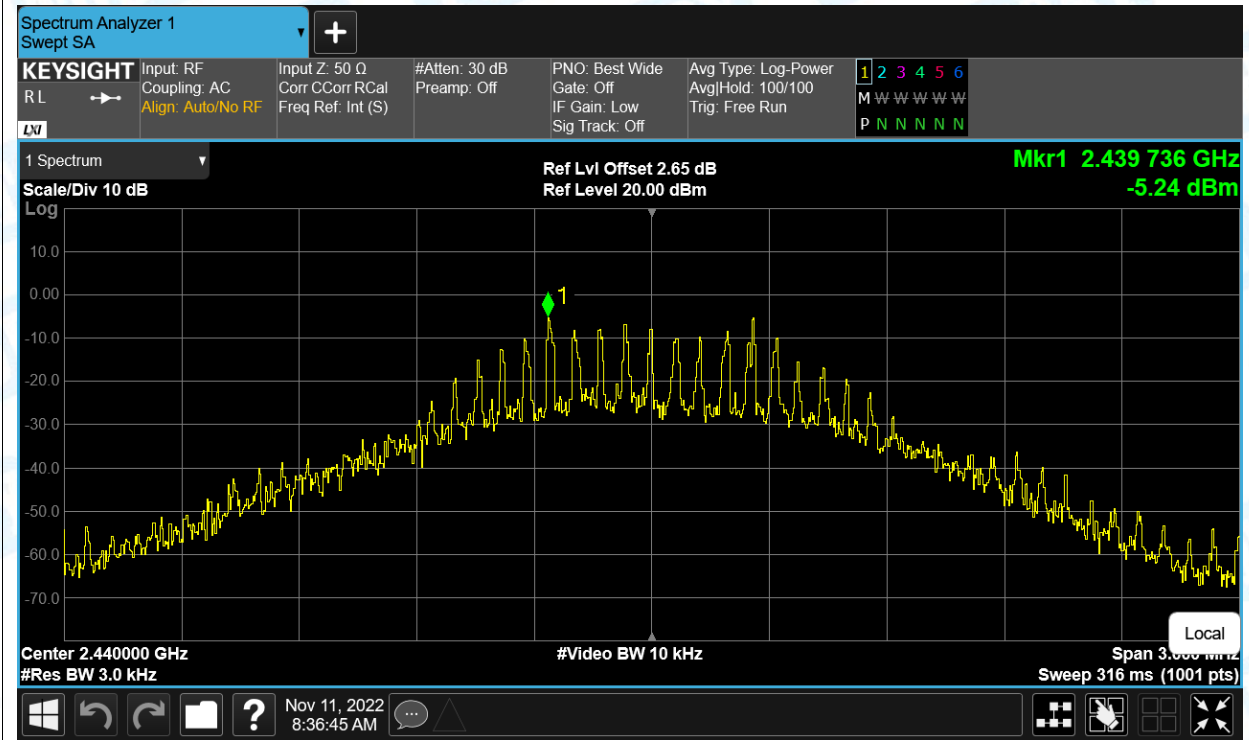
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-5.092	8	Pass
NVNT	BLE 1Mbps	2440	Ant1	-5.235	8	Pass
NVNT	BLE 1Mbps	2480	Ant1	-4.715	8	Pass

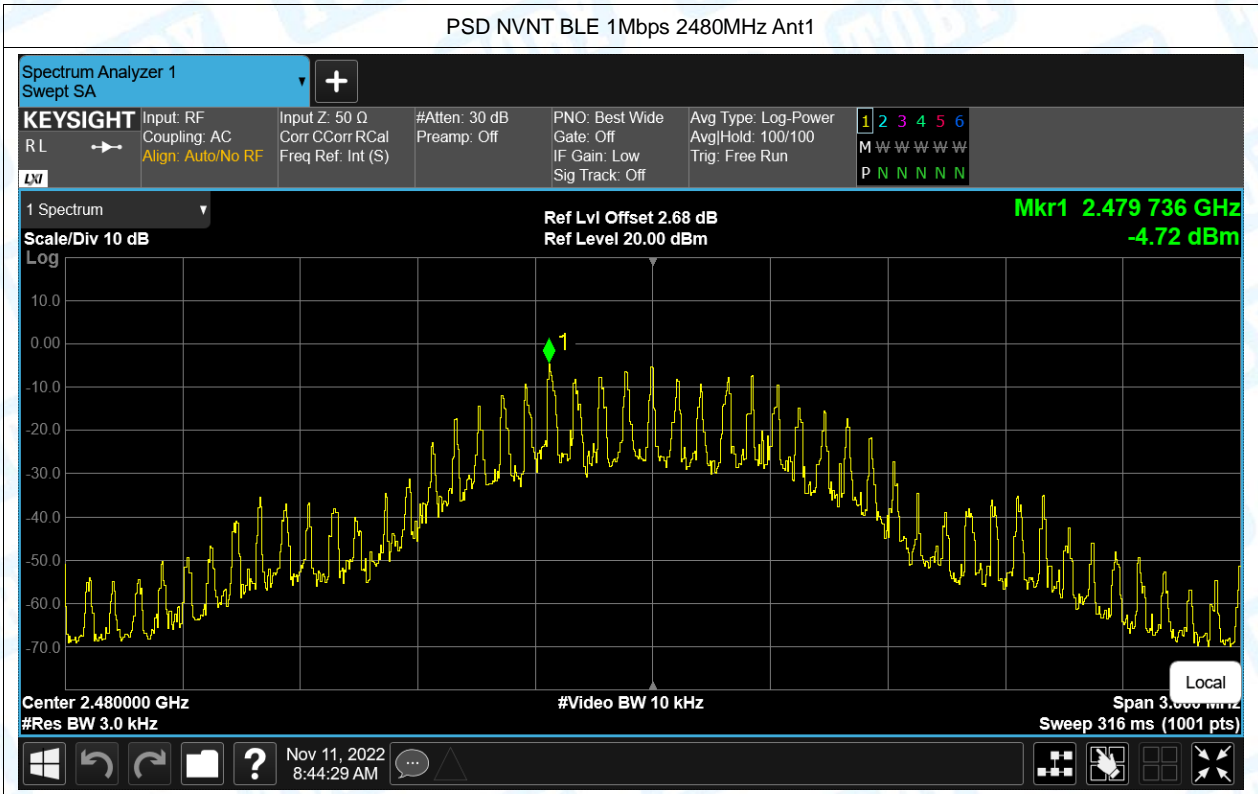
Test Graphs

PSD NVNT BLE 1Mbps 2402MHz Ant1



PSD NVNT BLE 1Mbps 2440MHz Ant1



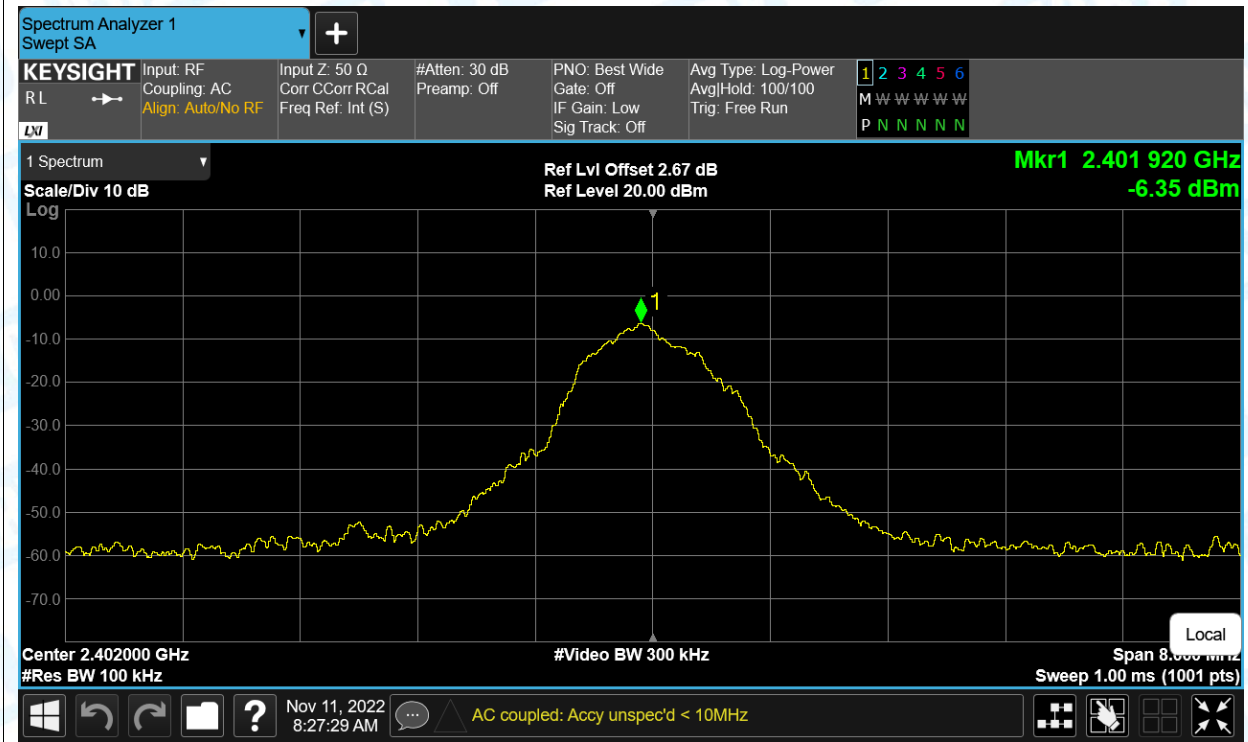


6. Band Edge

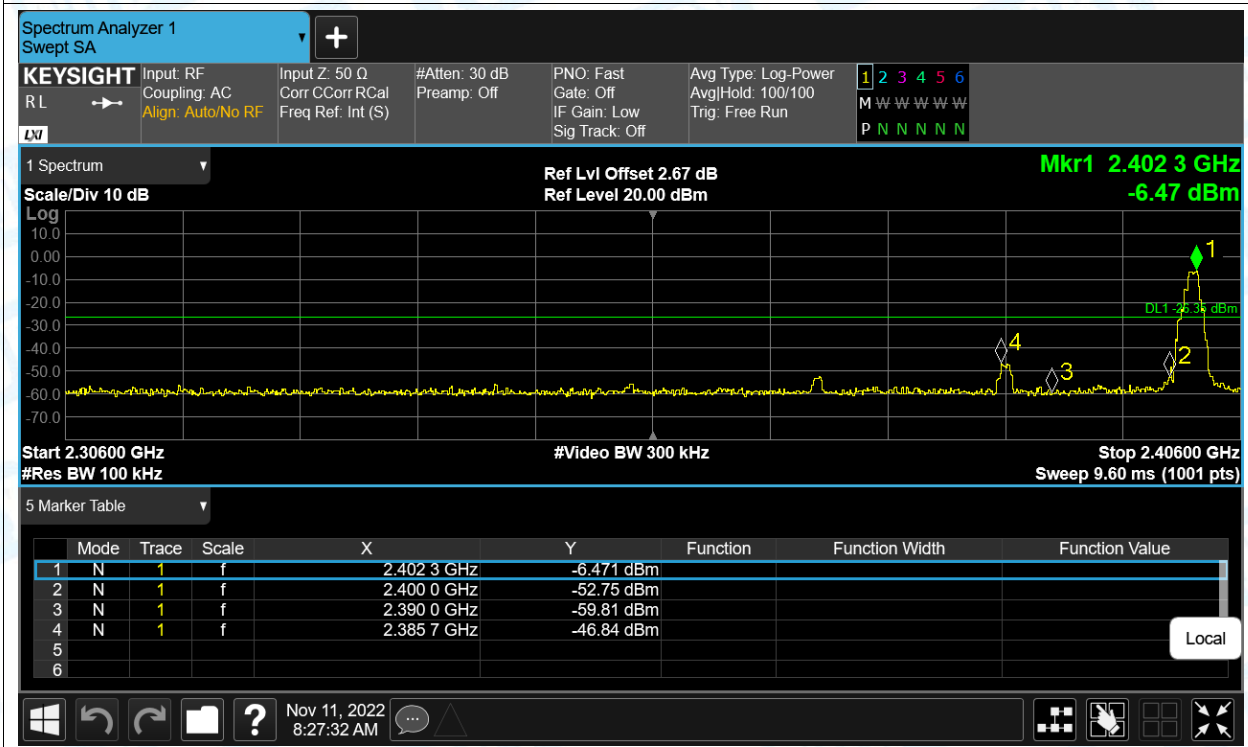
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-40.49	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-48.2	-20	Pass

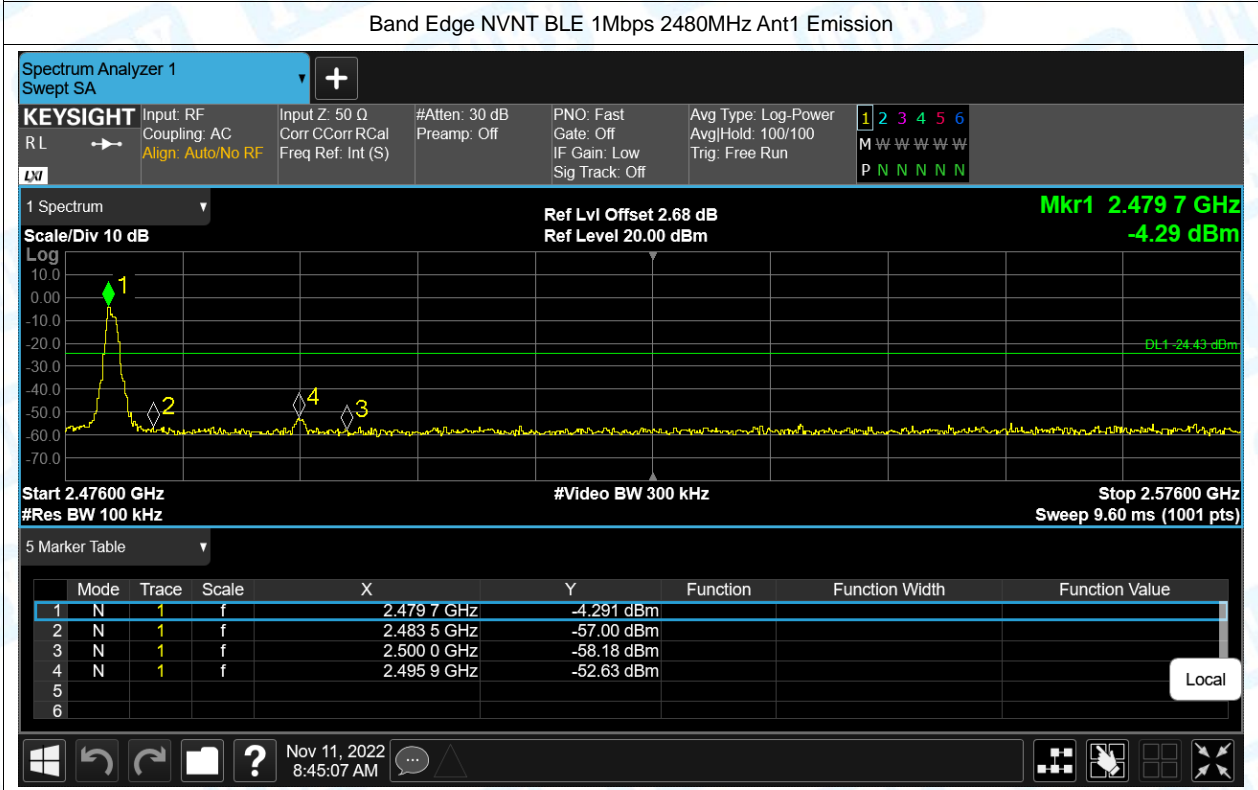
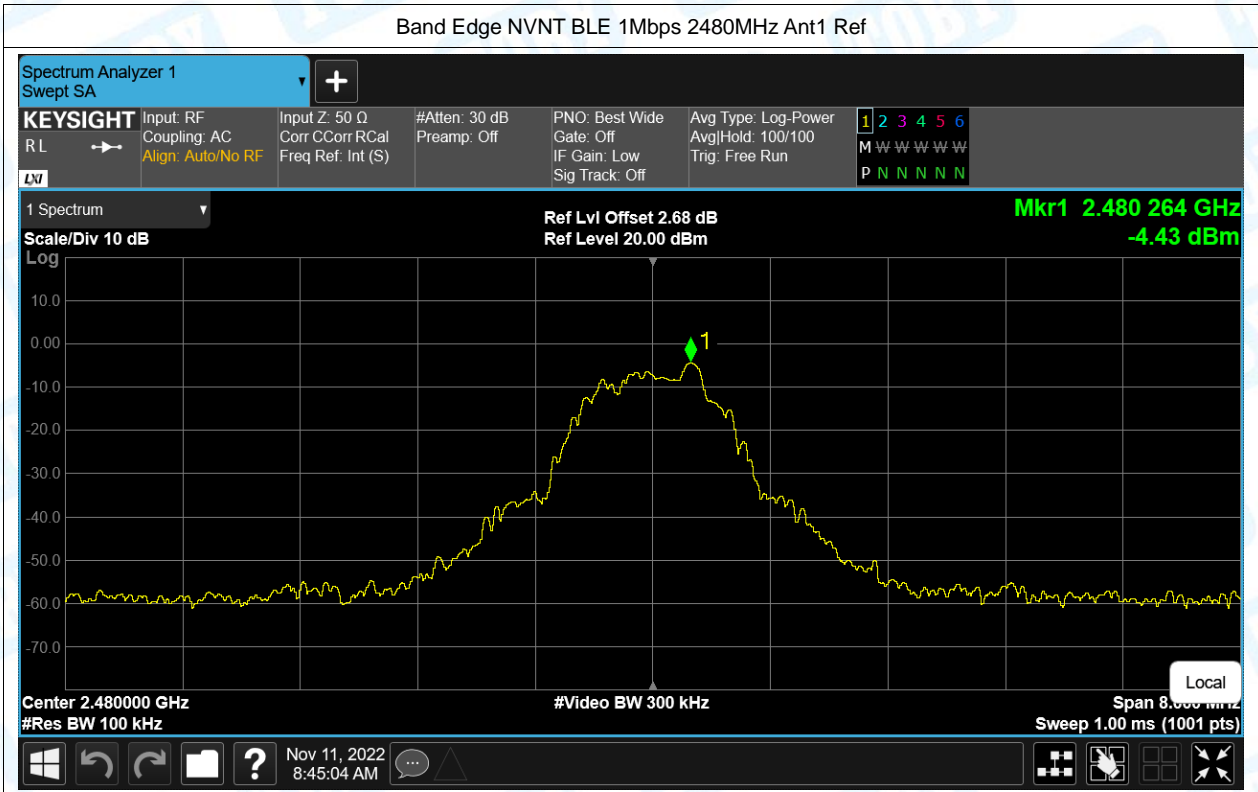
Test Graphs

Band Edge NVNT BLE 1Mbps 2402MHz Ant1 Ref



Band Edge NVNT BLE 1Mbps 2402MHz Ant1 Emission



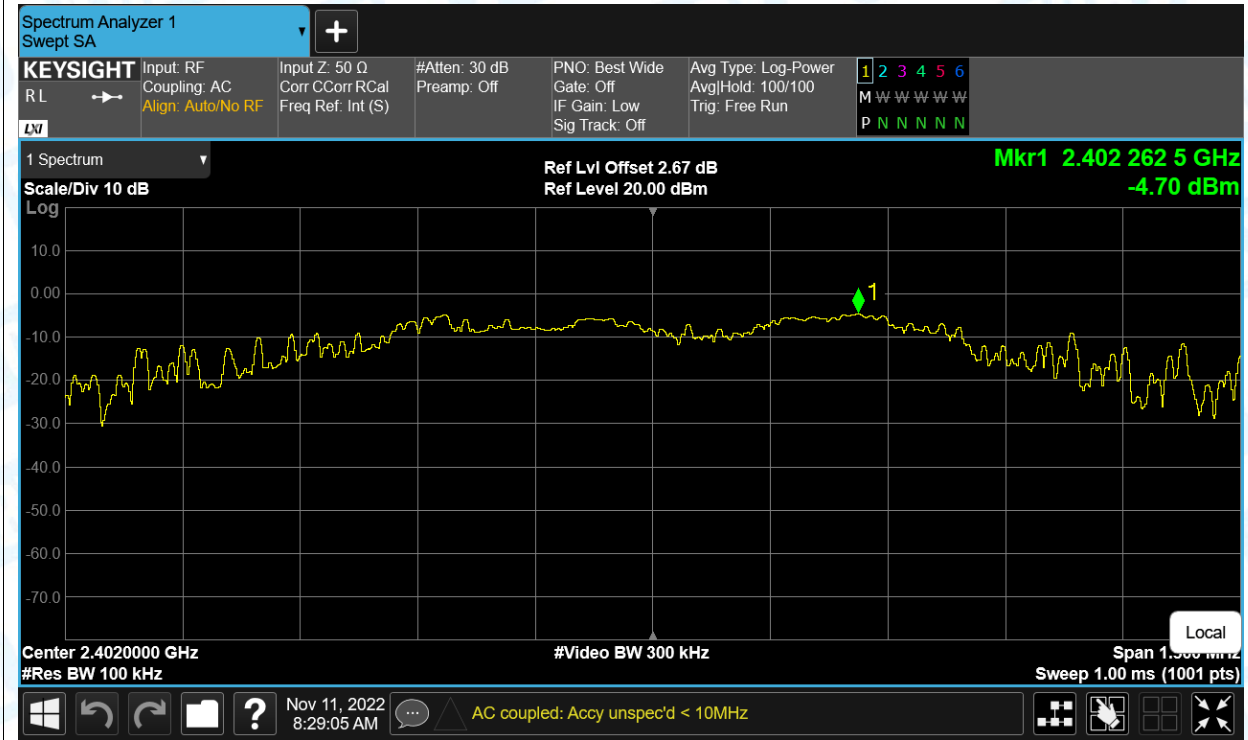


7. Conducted RF Spurious Emission

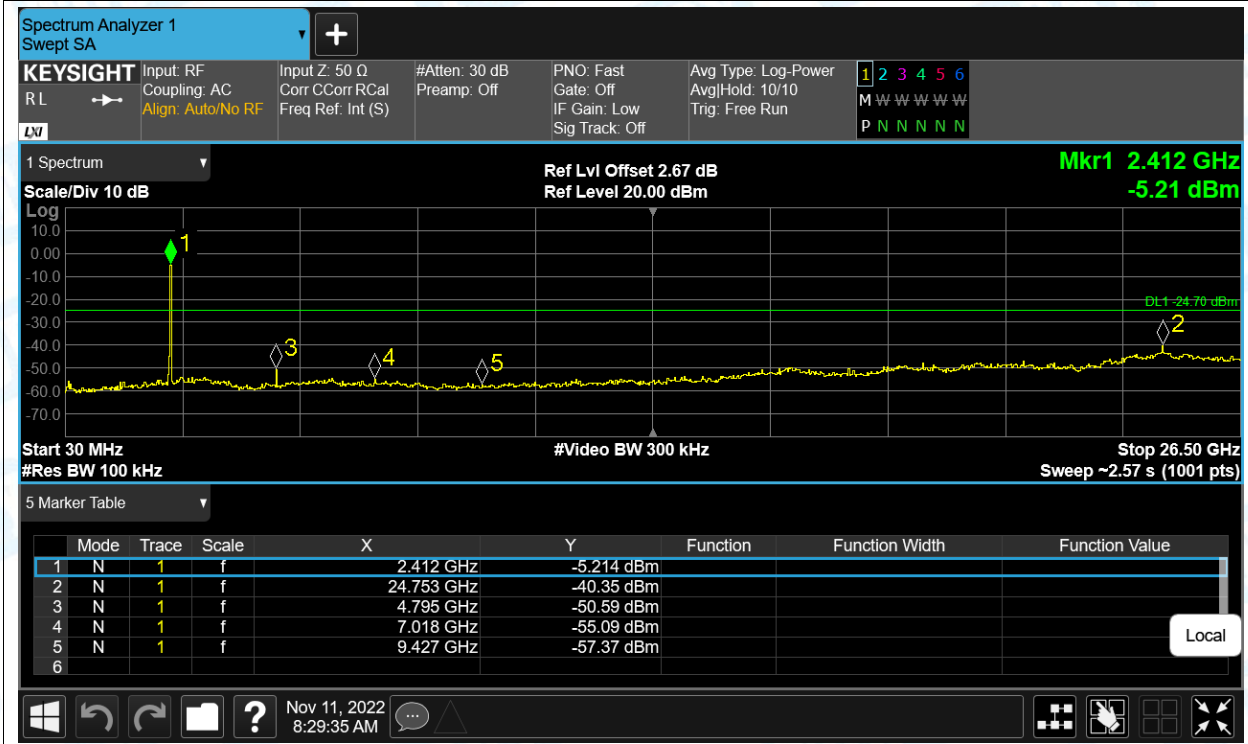
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-35.65	-20	Pass
NVNT	BLE 1Mbps	2440	Ant1	-35.82	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-33.59	-20	Pass

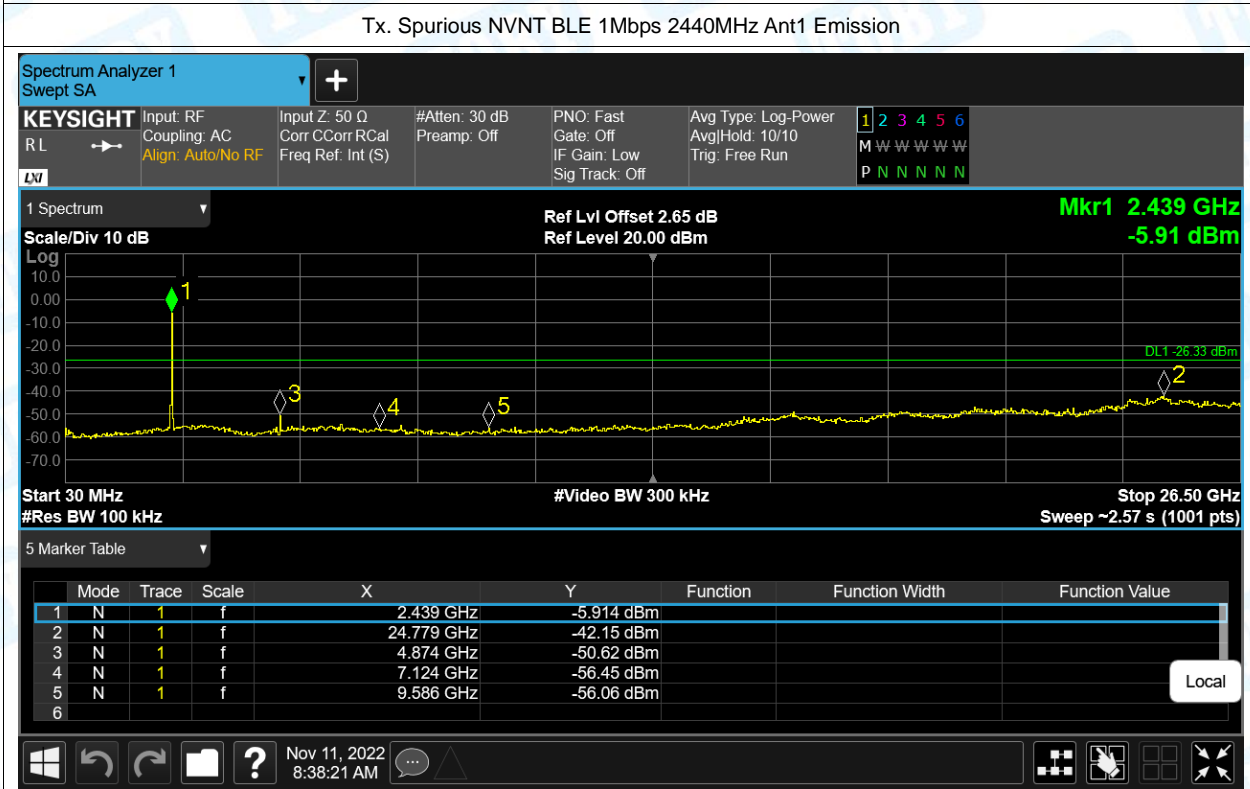
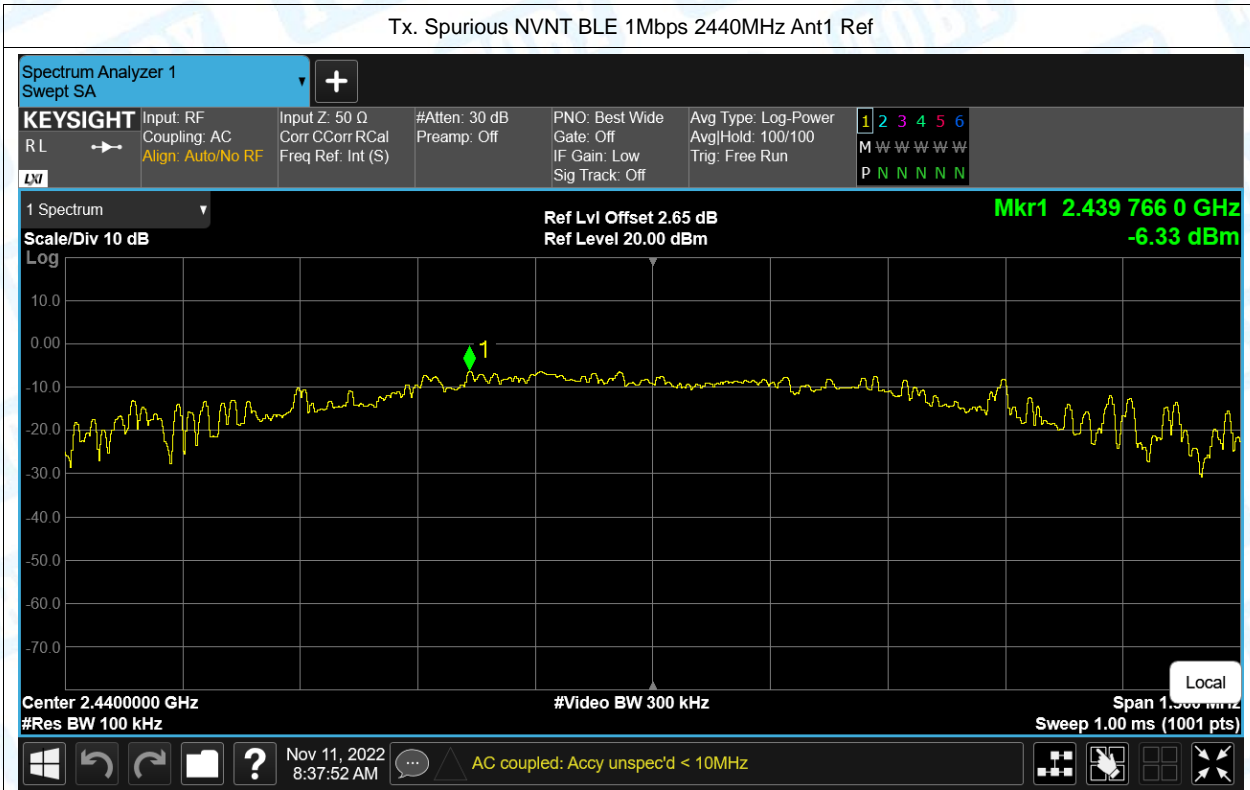
Test Graphs

Tx. Spurious NVNT BLE 1Mbps 2402MHz Ant1 Ref

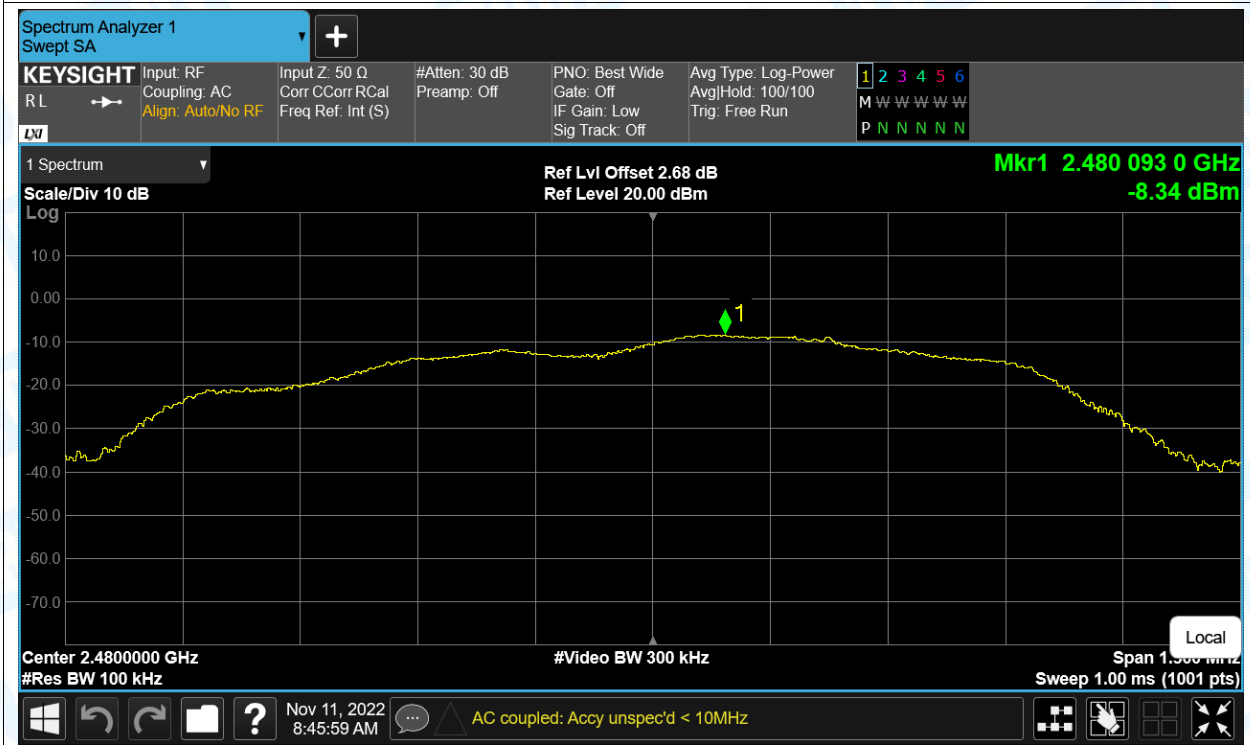


Tx. Spurious NVNT BLE 1Mbps 2402MHz Ant1 Emission

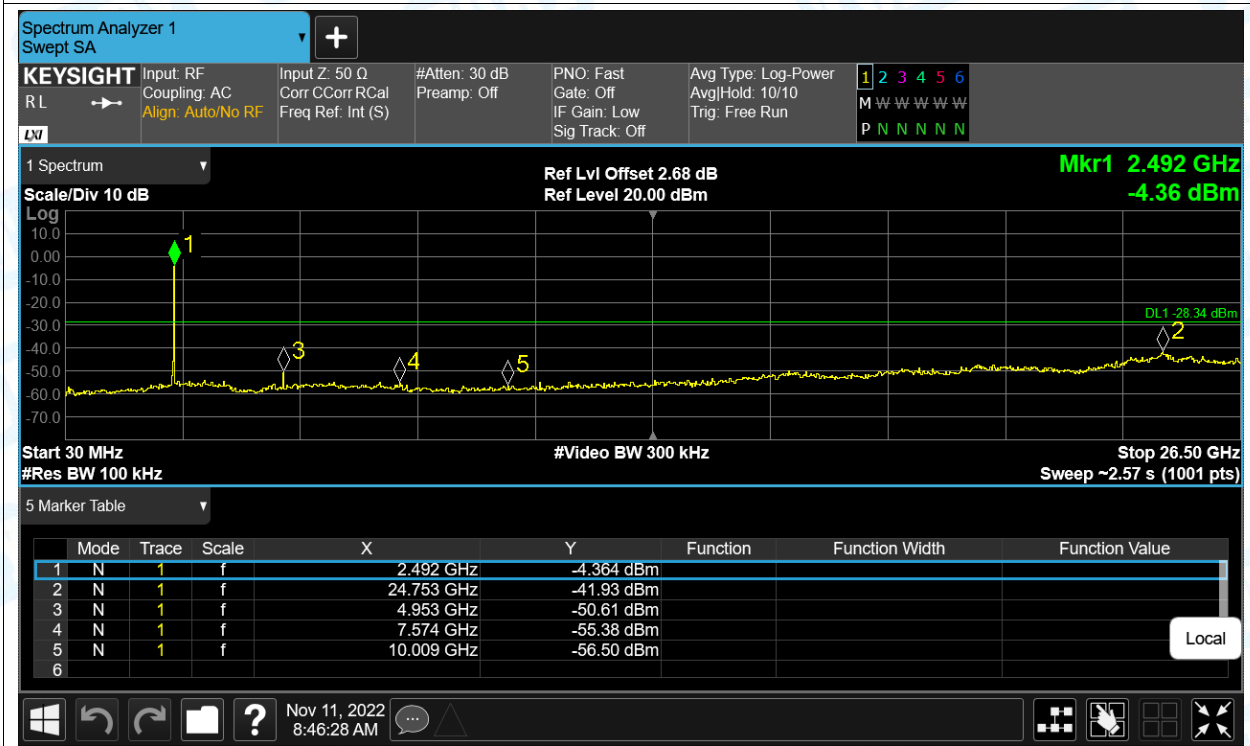




Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Emission

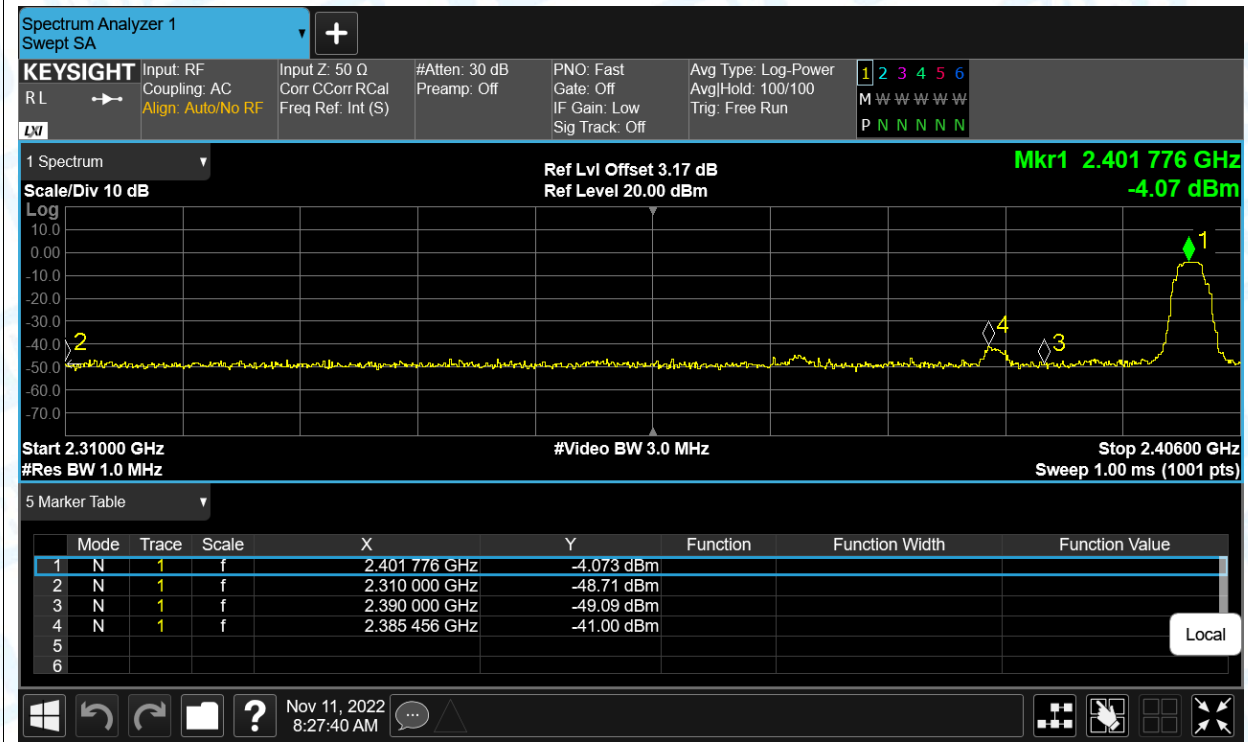


8. Restrict Band

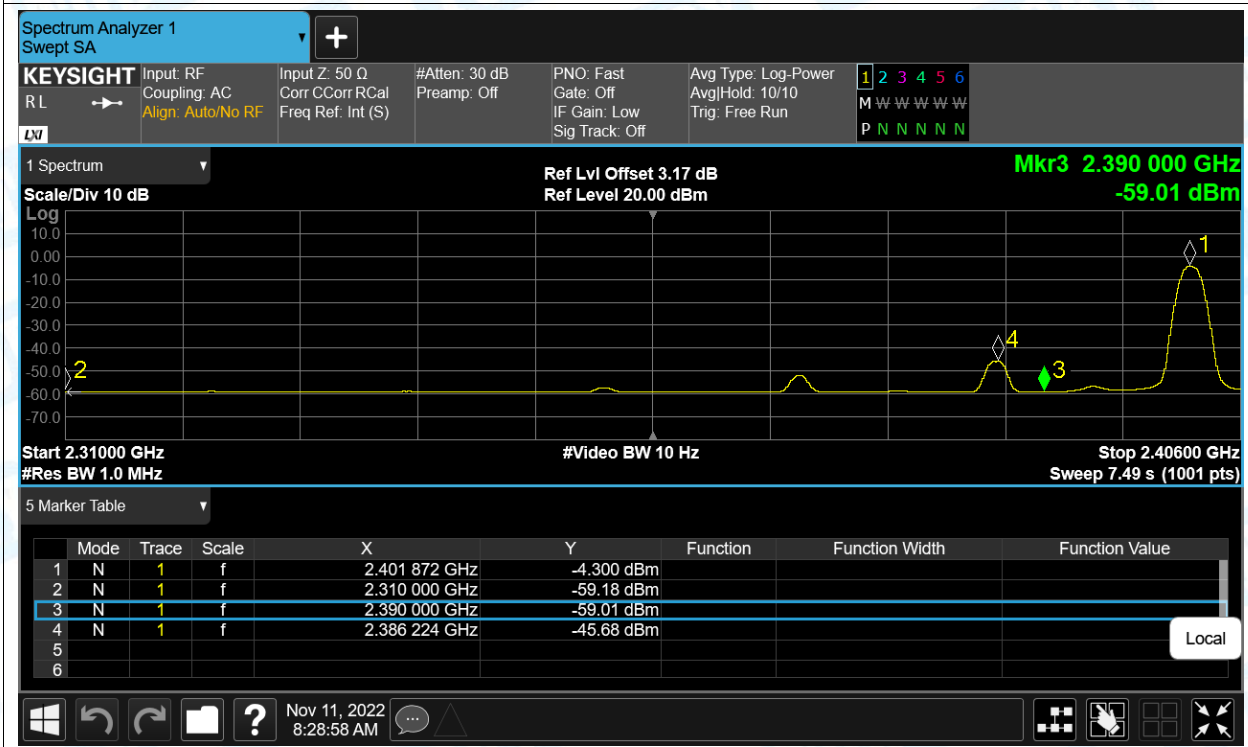
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	2310	-48.71	2	48.55	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2310	-59.18	2	38.08	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2385.456	-41	2	56.26	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2386.224	-45.68	2	51.58	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-48.88	2	48.38	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-58.99	2	38.27	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-49.35	2	47.91	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-57.34	2	39.92	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2496.352	-43.61	2	53.65	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2495.8	-51.41	2	45.85	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-49.18	2	48.08	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-58.84	2	38.42	Average	54	Pass

Test Graphs

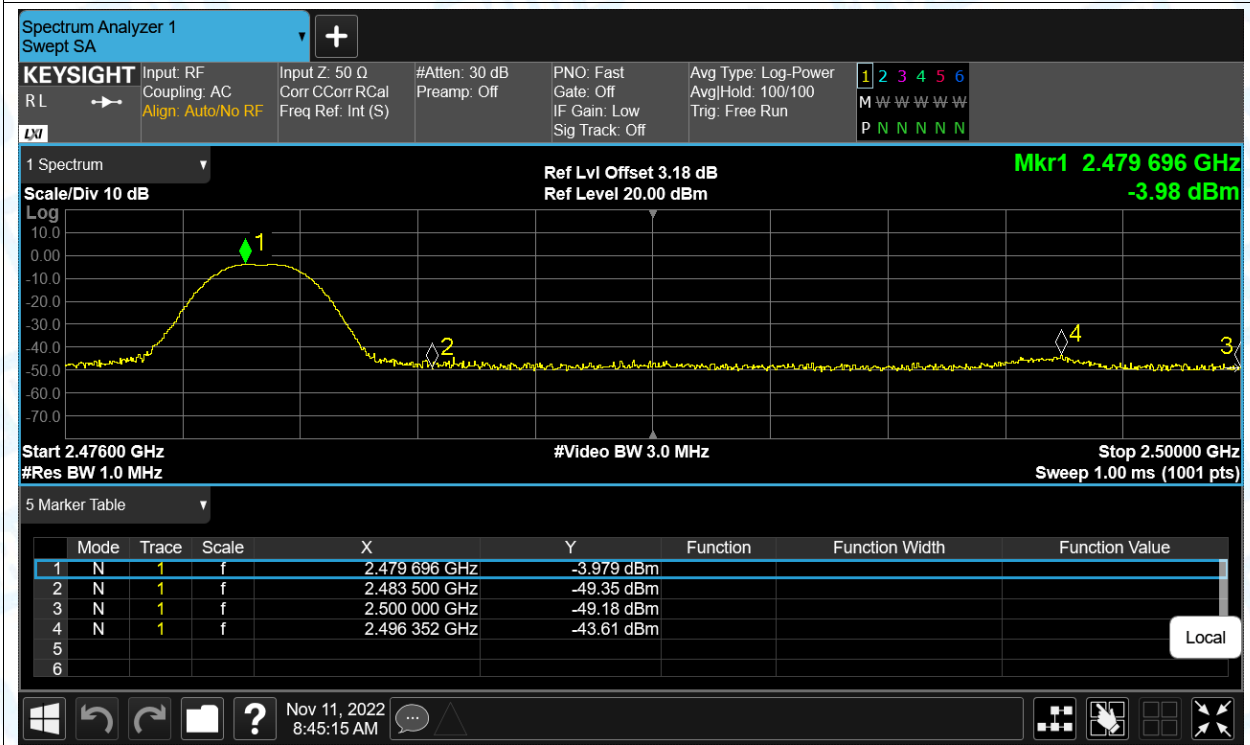
Restrict Band NVNT BLE 1Mbps 2402MHz Ant1 Peak



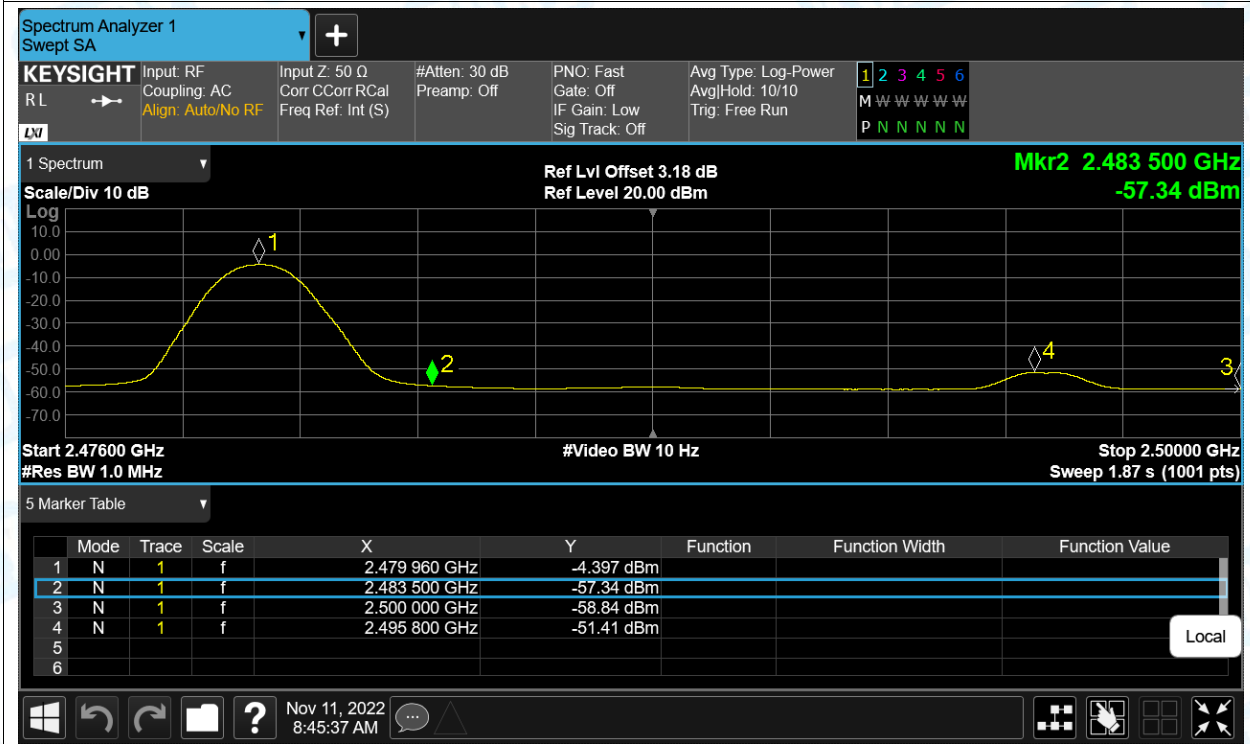
Restrict Band NVNT BLE 1Mbps 2402MHz Ant1 Average



Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Peak



Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Average



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