

RF Test Data for Bluetooth LE (Conducted Measurements)

General Description of EUT	
Product Name:	1.3M Selfie Stick Tripod with Remote Control
Test Model:	TE-RCSS-003
Sample ID:	202208-0311-1-2#
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-202208-0311-1	

Contents

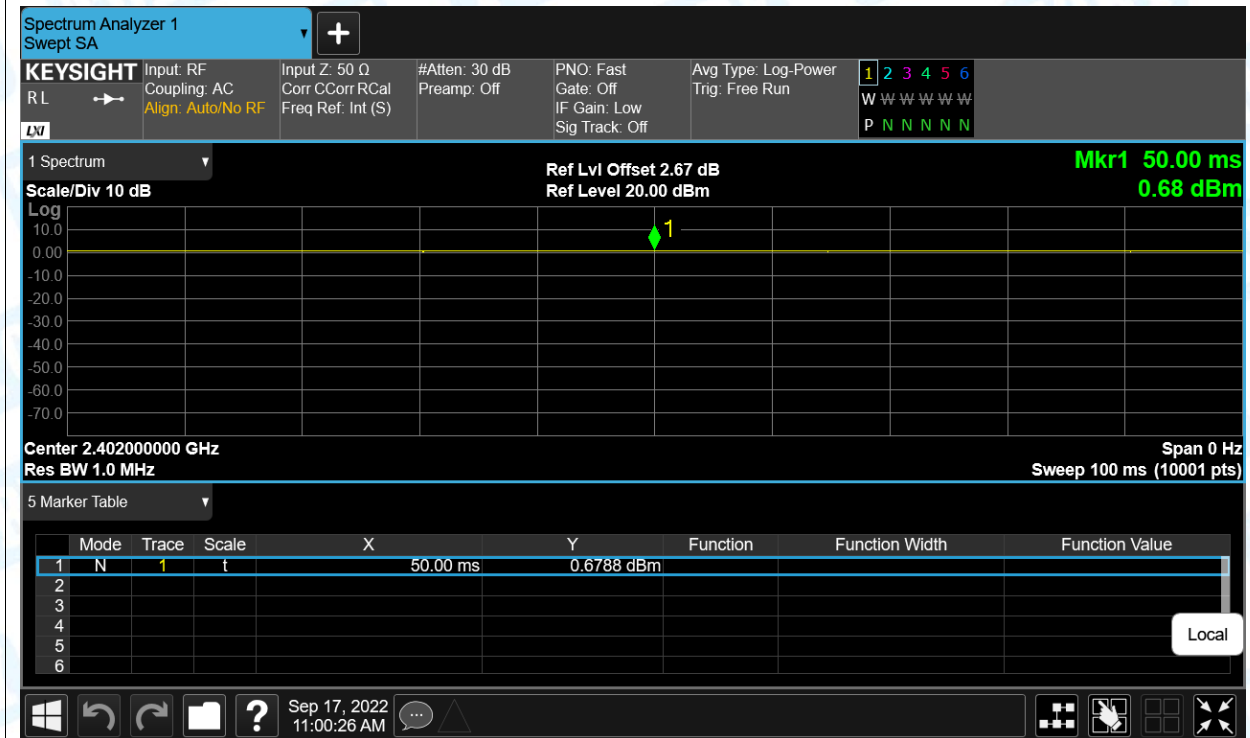
1. Duty Cycle	3
2. Maximum Conducted Output Power	7
3. -6dB Bandwidth	11
4. Occupied Channel Bandwidth	15
5. Maximum Power Spectral Density Level	19
6. Band Edge	23
7. Conducted RF Spurious Emission	28
8. Restrict Band	35

1. Duty Cycle

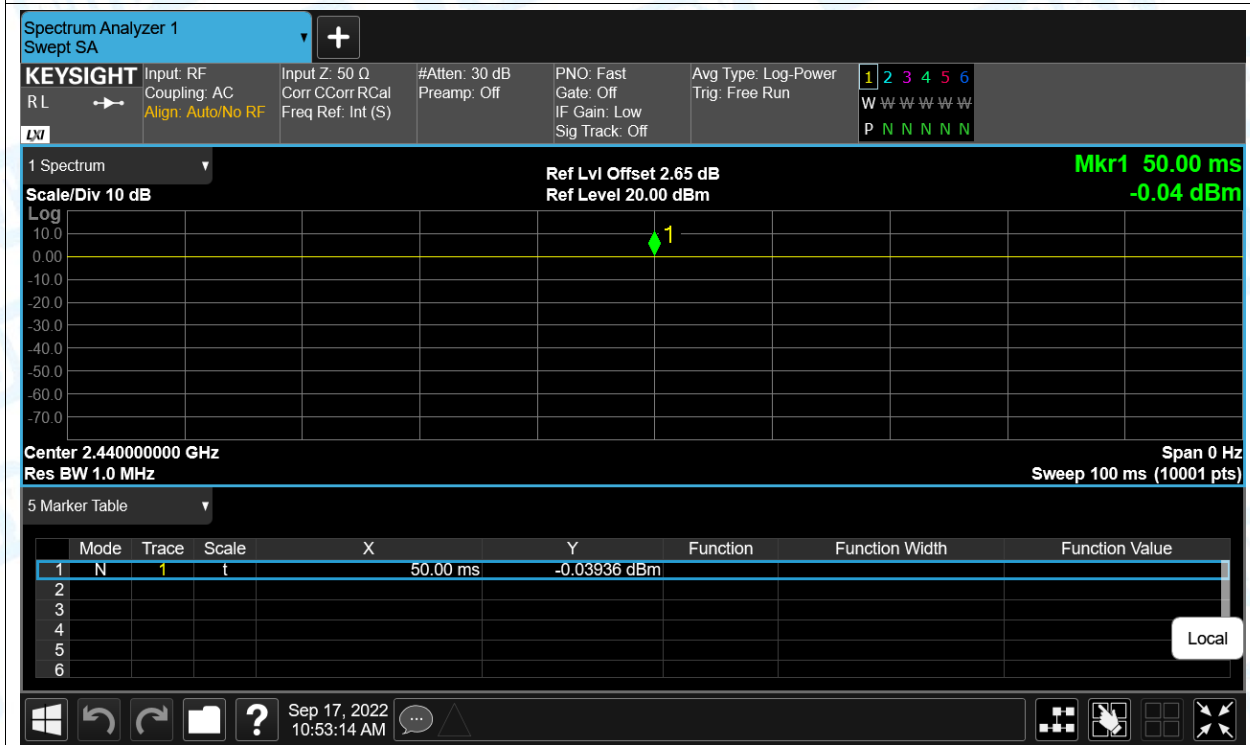
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1Mbps	2402	Ant1	100	0	0
NVNT	BLE 1Mbps	2440	Ant1	100	0	0
NVNT	BLE 1Mbps	2480	Ant1	100	0	0
NVNT	BLE 2Mbps	2402	Ant1	100	0	0
NVNT	BLE 2Mbps	2440	Ant1	100	0	0
NVNT	BLE 2Mbps	2480	Ant1	100	0	0

Test Graphs

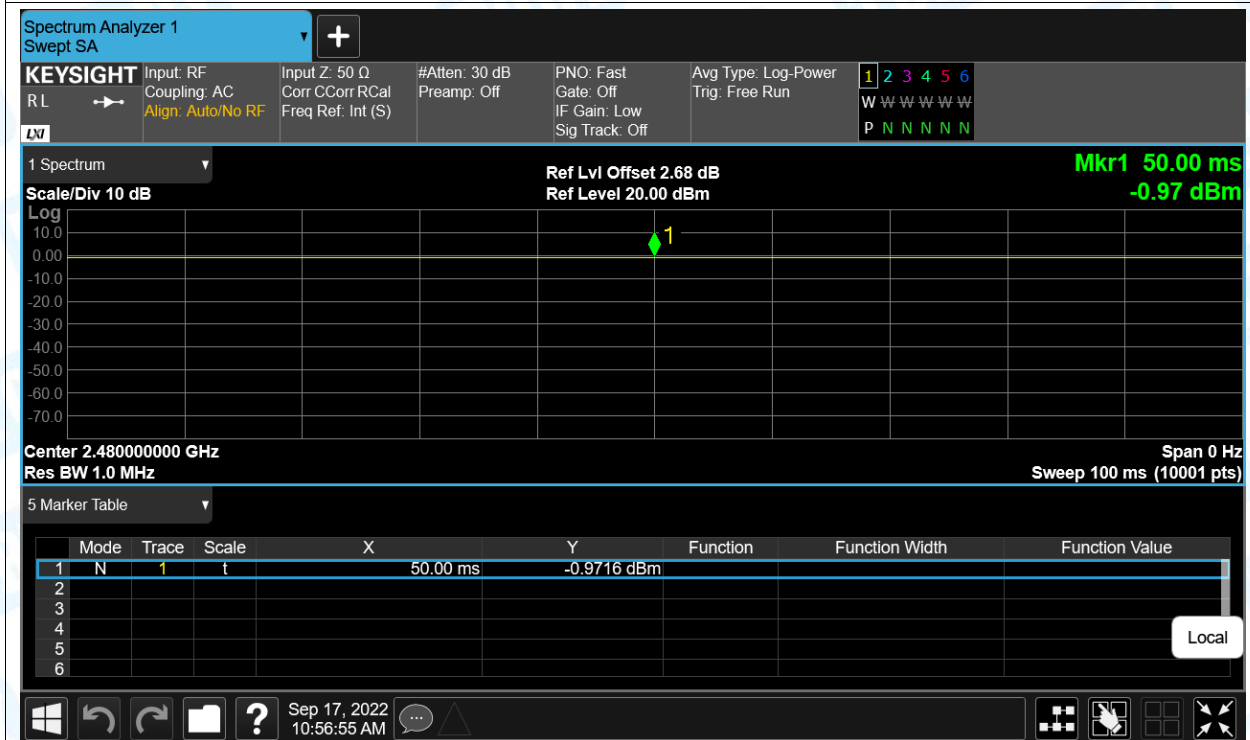
Duty Cycle NVNT BLE 1Mbps 2402MHz Ant1



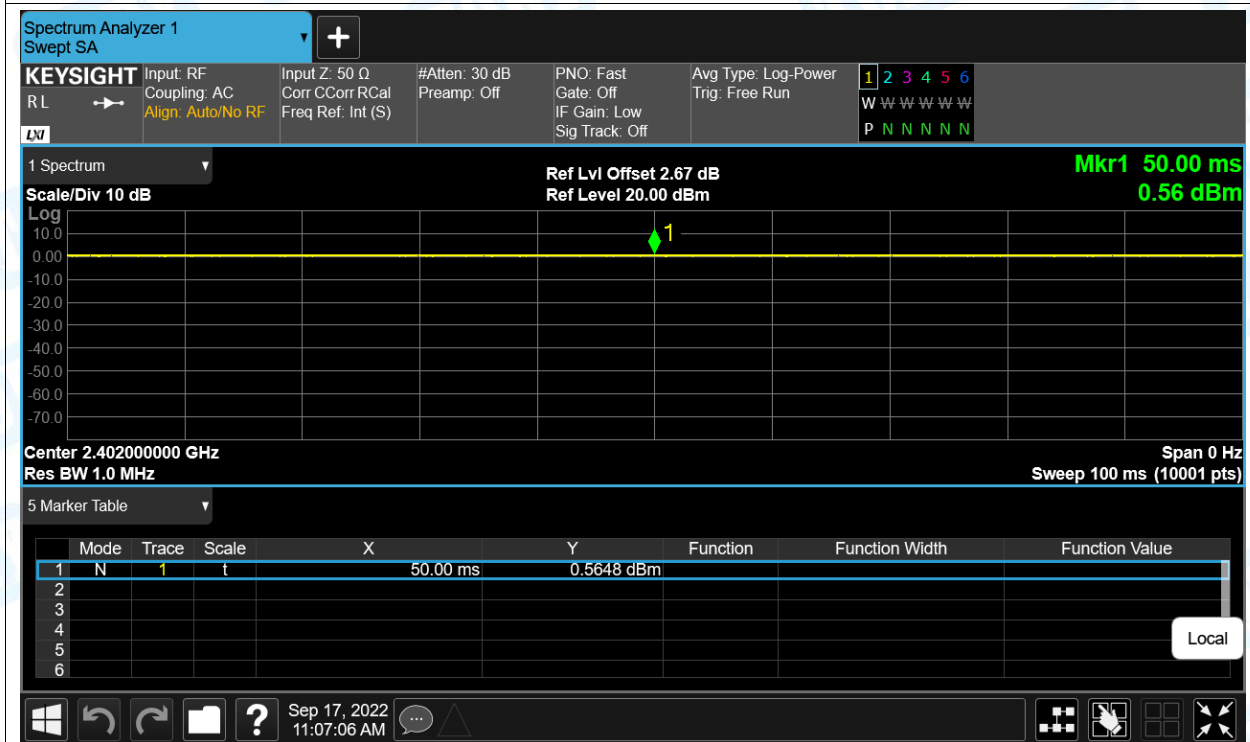
Duty Cycle NVNT BLE 1Mbps 2440MHz Ant1



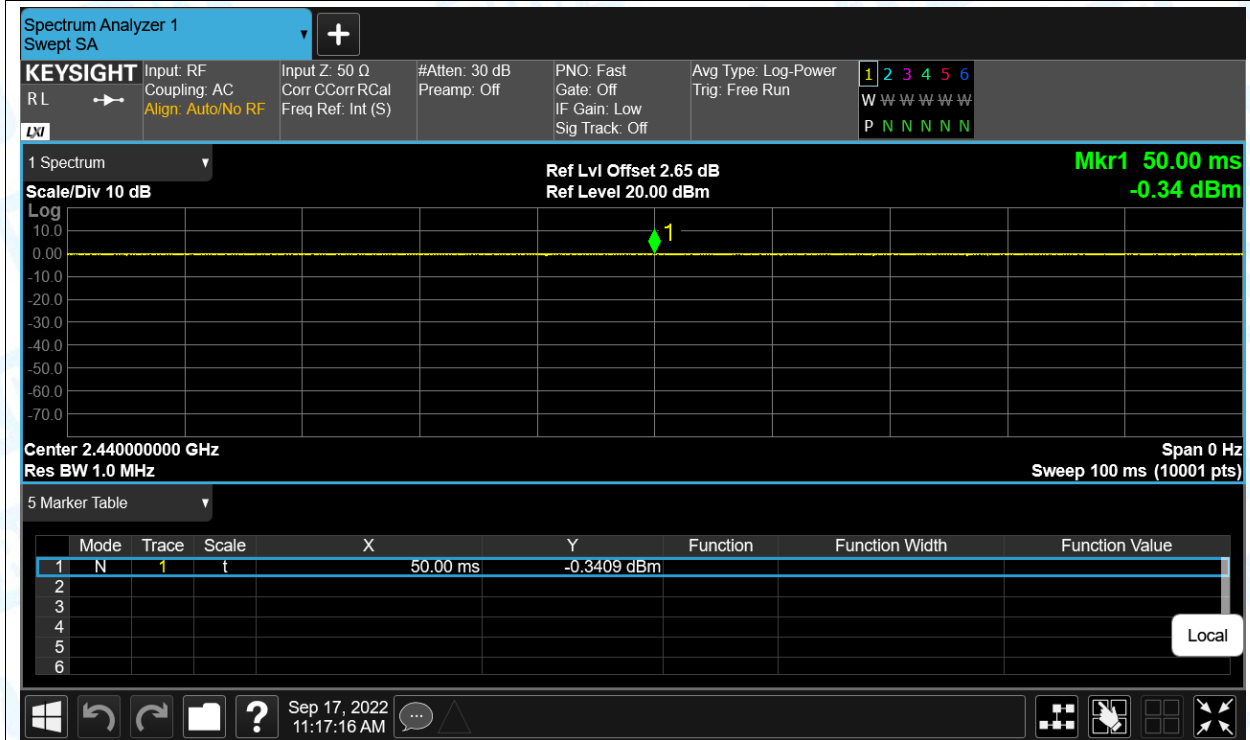
Duty Cycle NVNT BLE 1Mbps 2480MHz Ant1



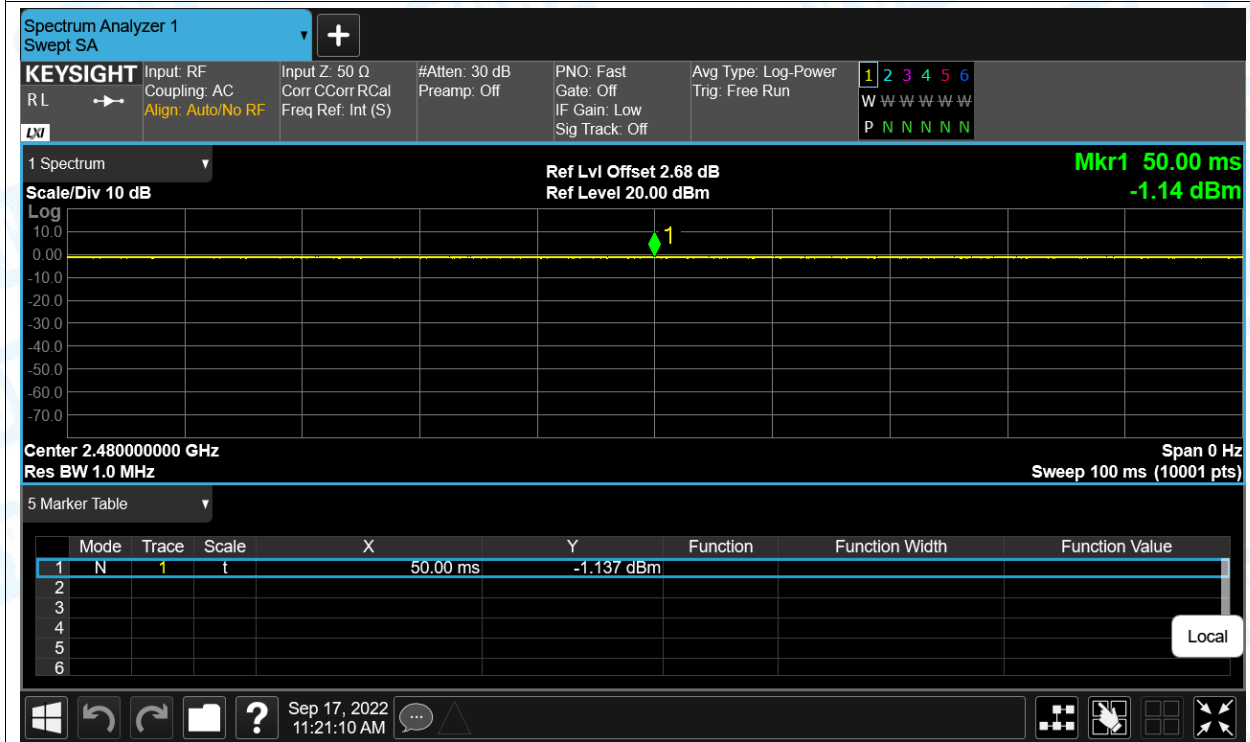
Duty Cycle NVNT BLE 2Mbps 2402MHz Ant1



Duty Cycle NVNT BLE 2Mbps 2440MHz Ant1

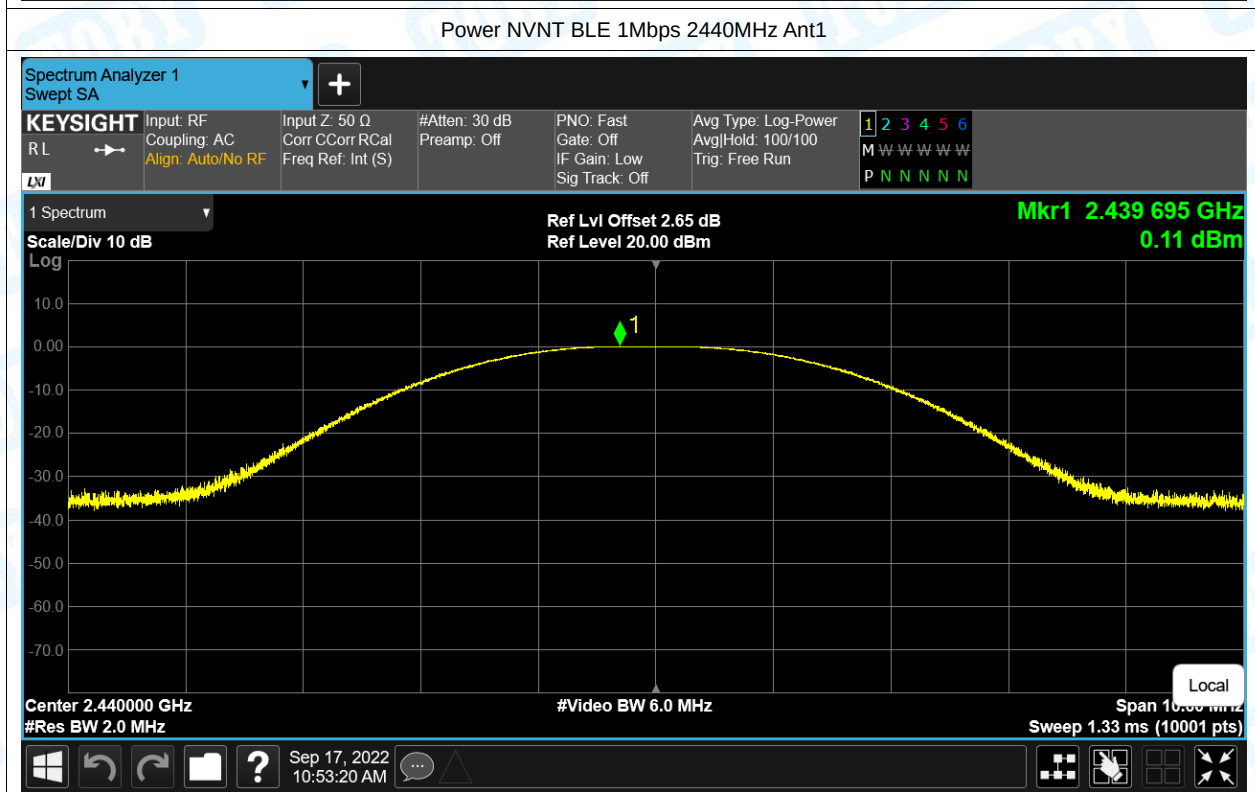
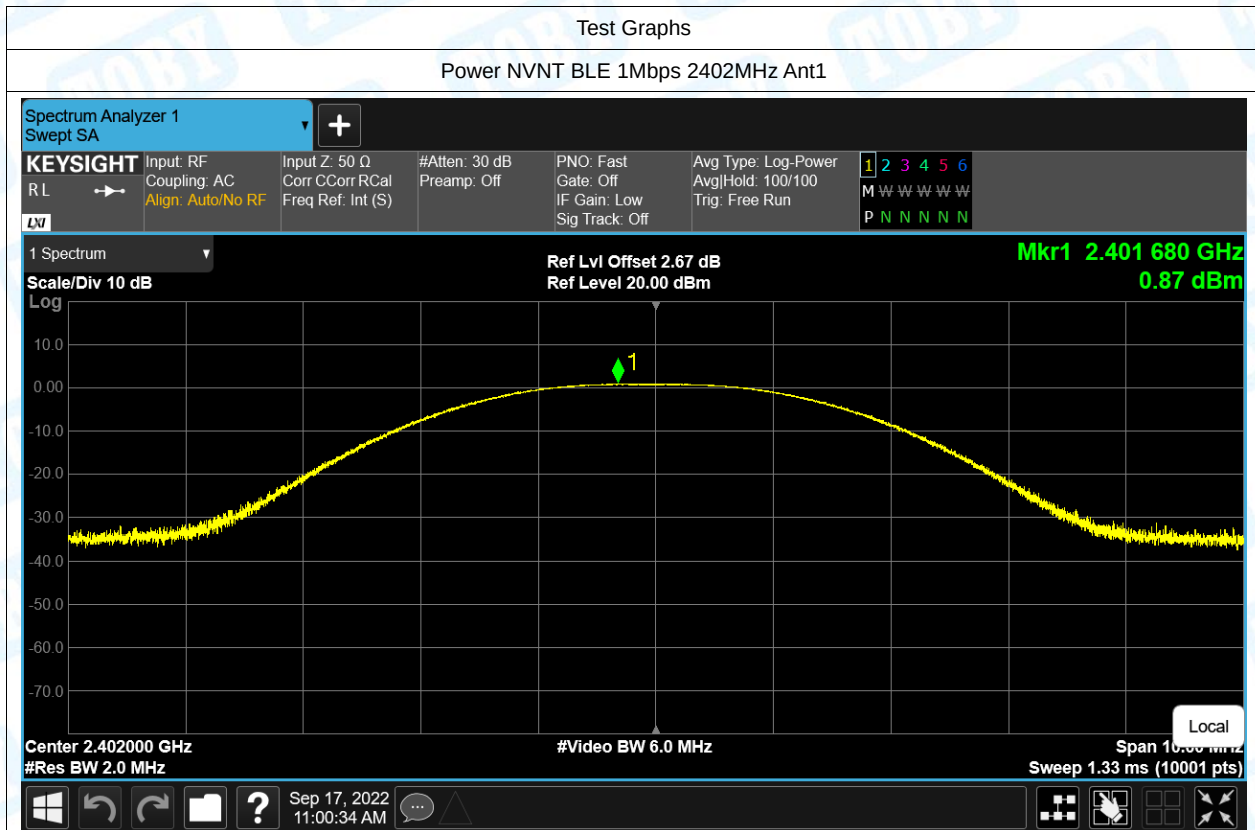


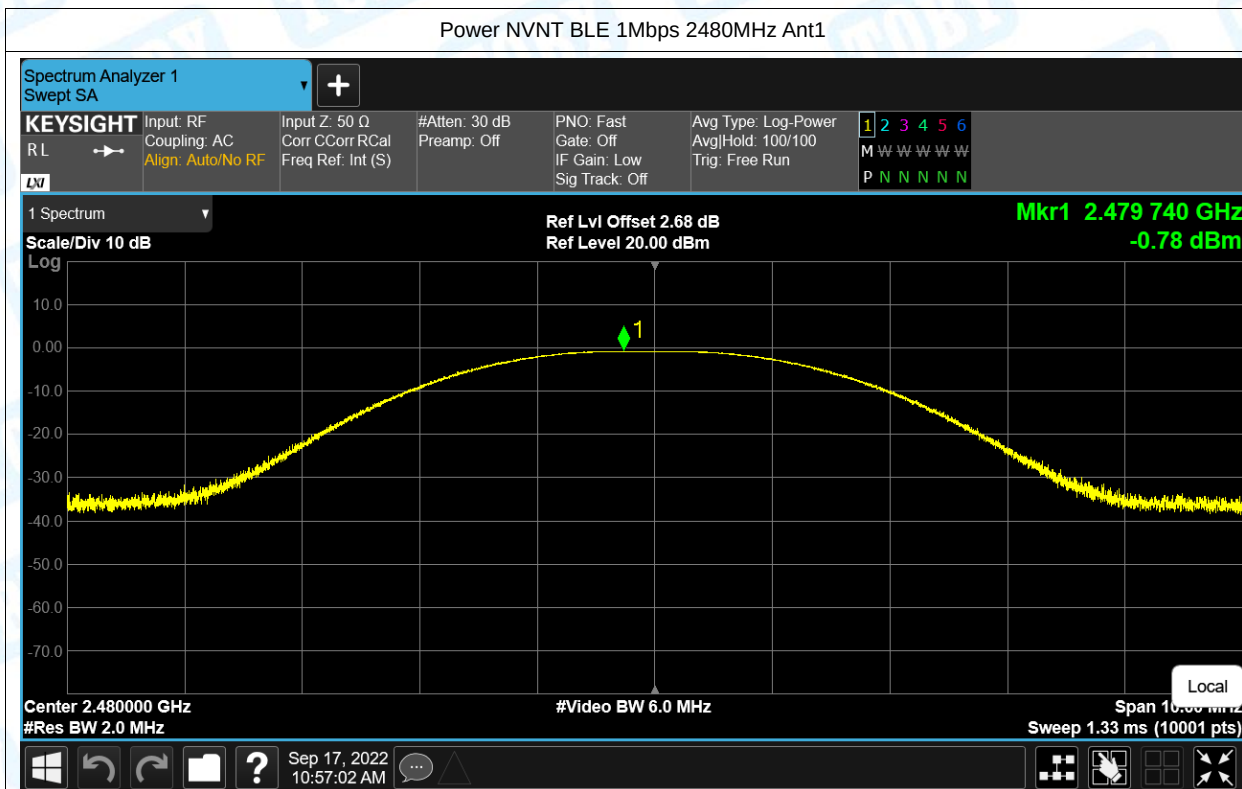
Duty Cycle NVNT BLE 2Mbps 2480MHz Ant1



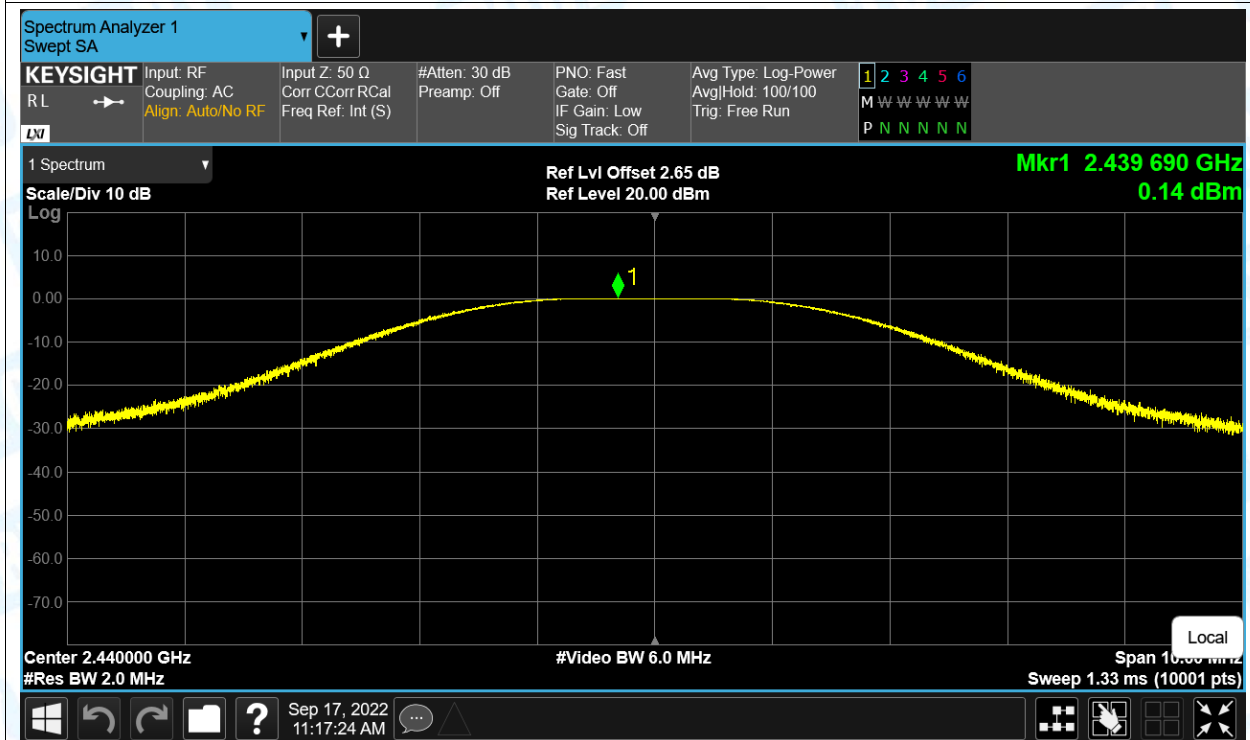
2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.869	0	0.869	30	Pass
NVNT	BLE 1Mbps	2440	Ant1	0.105	0	0.105	30	Pass
NVNT	BLE 1Mbps	2480	Ant1	-0.784	0	-0.784	30	Pass
NVNT	BLE 2Mbps	2402	Ant1	0.896	0	0.896	30	Pass
NVNT	BLE 2Mbps	2440	Ant1	0.143	0	0.143	30	Pass
NVNT	BLE 2Mbps	2480	Ant1	-0.733	0	-0.733	30	Pass

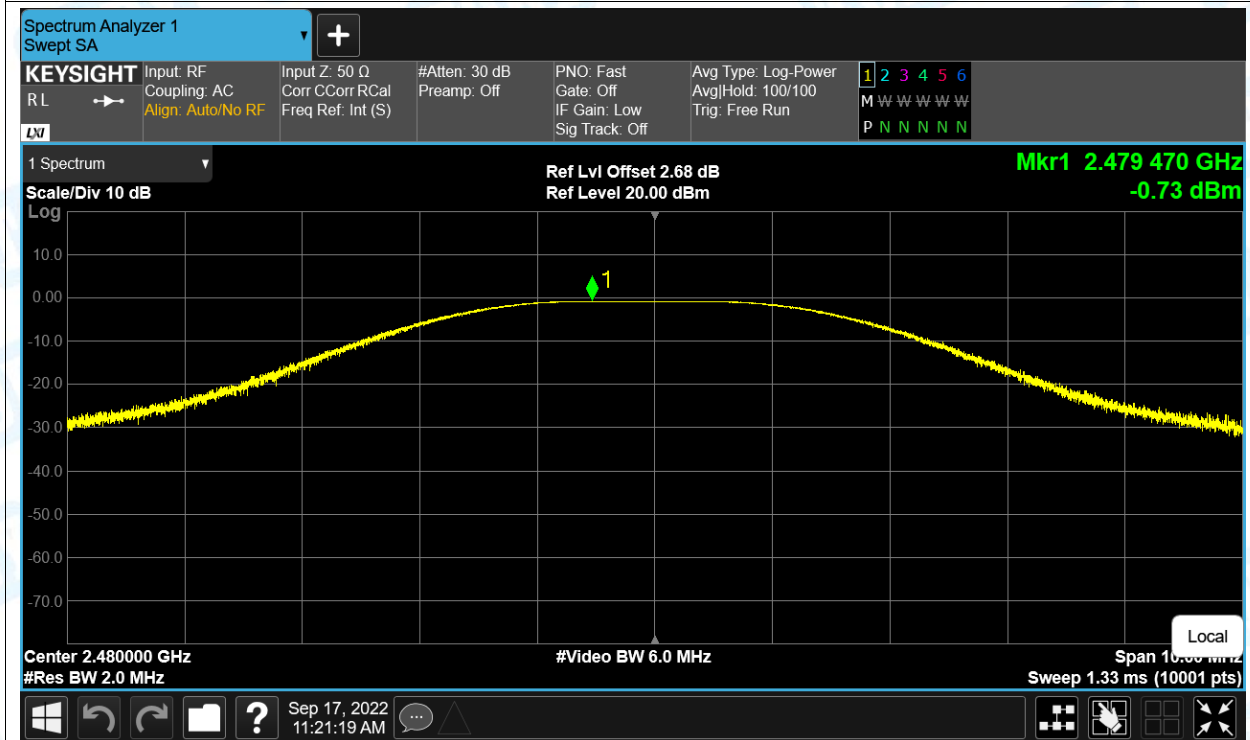




Power NVNT BLE 2Mbps 2440MHz Ant1



Power NVNT BLE 2Mbps 2480MHz Ant1

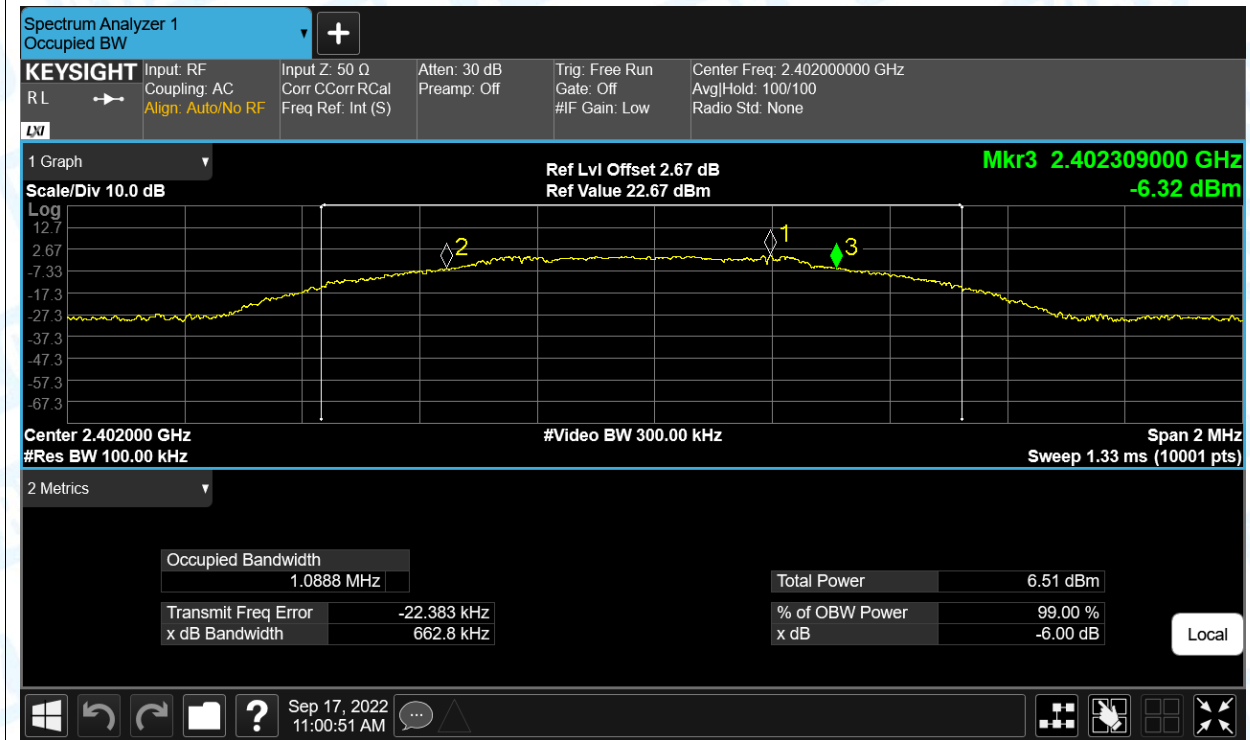


3. -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.66	0.5	Pass
NVNT	BLE 1Mbps	2440	Ant1	0.66	0.5	Pass
NVNT	BLE 1Mbps	2480	Ant1	0.67	0.5	Pass
NVNT	BLE 2Mbps	2402	Ant1	1.26	0.5	Pass
NVNT	BLE 2Mbps	2440	Ant1	1.26	0.5	Pass
NVNT	BLE 2Mbps	2480	Ant1	1.25	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT BLE 1Mbps 2402MHz Ant1



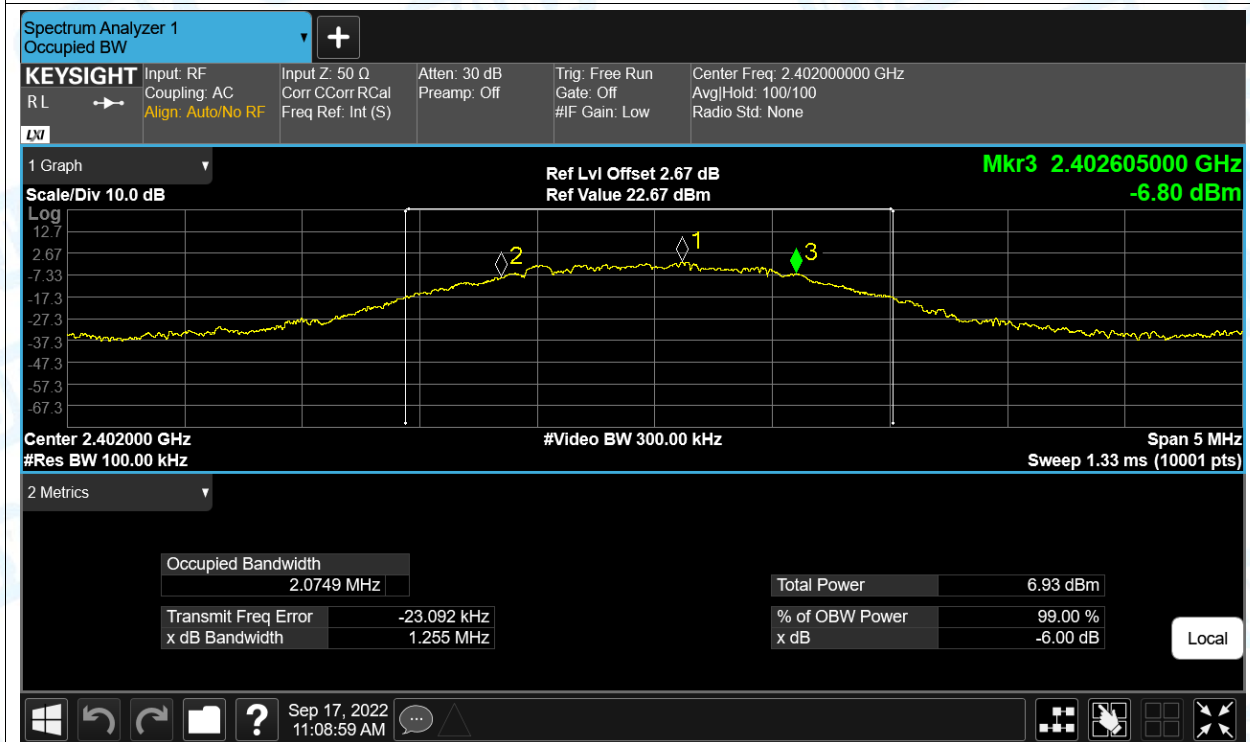
-6dB Bandwidth NVNT BLE 1Mbps 2440MHz Ant1



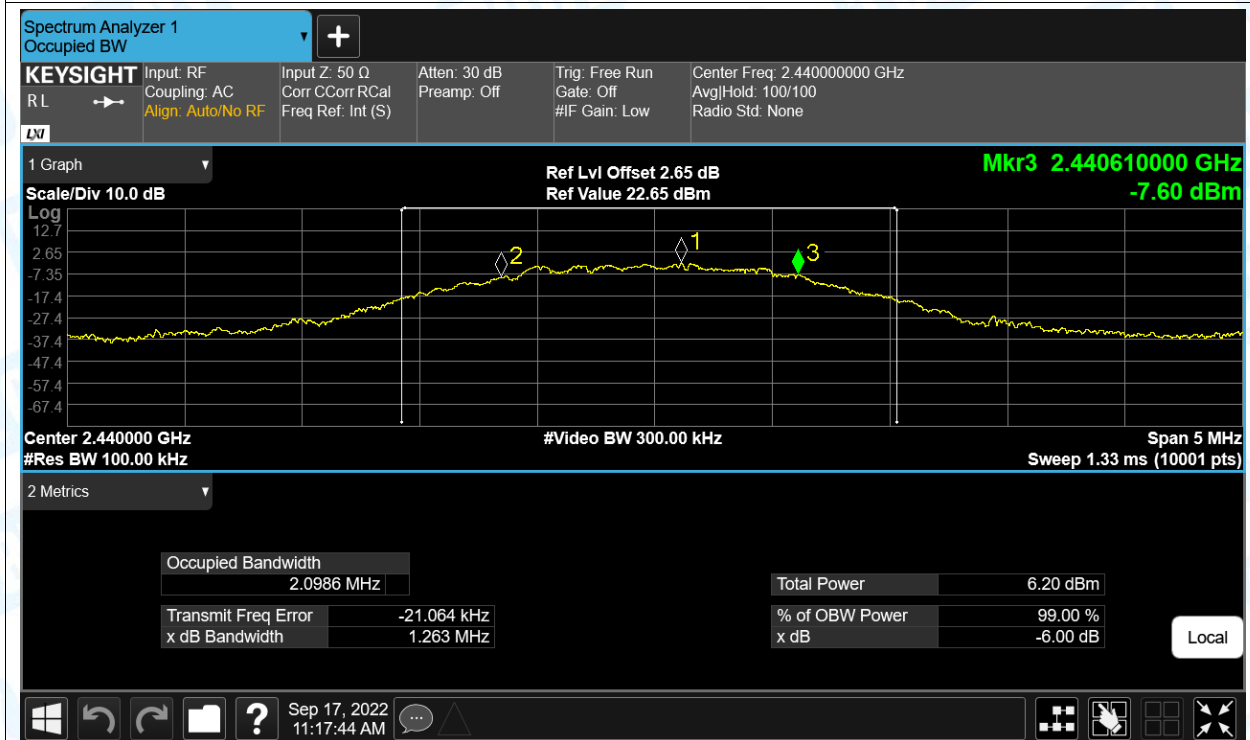
-6dB Bandwidth NVNT BLE 1Mbps 2480MHz Ant1



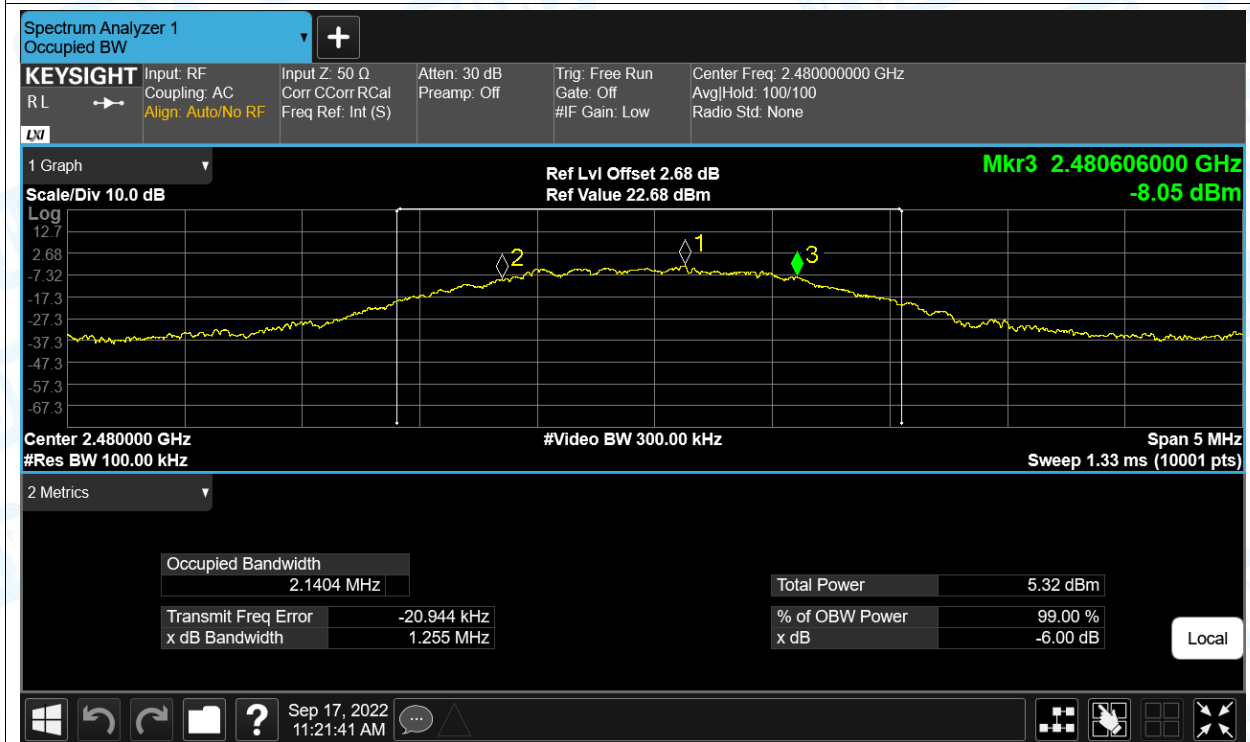
-6dB Bandwidth NVNT BLE 2Mbps 2402MHz Ant1



-6dB Bandwidth NVNT BLE 2Mbps 2440MHz Ant1



-6dB Bandwidth NVNT BLE 2Mbps 2480MHz Ant1

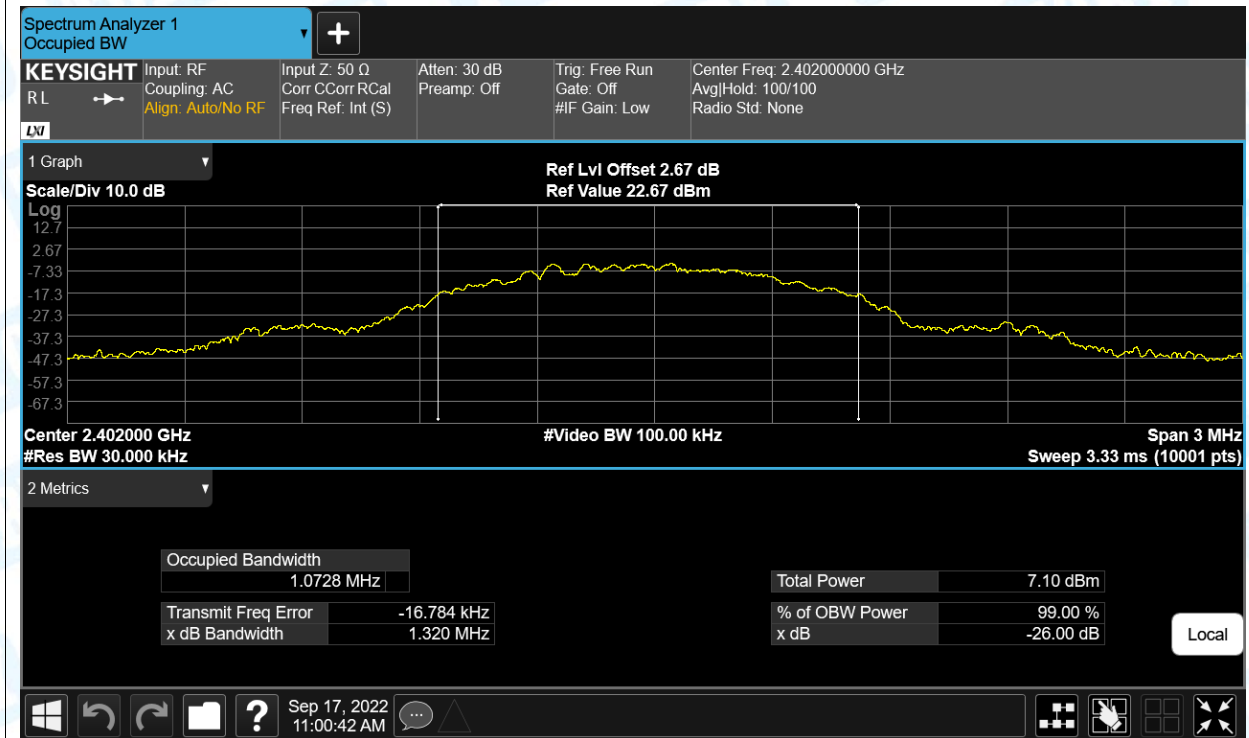


4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1Mbps	2402	Ant1	1.073
NVNT	BLE 1Mbps	2440	Ant1	1.076
NVNT	BLE 1Mbps	2480	Ant1	1.085
NVNT	BLE 2Mbps	2402	Ant1	2.089
NVNT	BLE 2Mbps	2440	Ant1	2.118
NVNT	BLE 2Mbps	2480	Ant1	2.144

Test Graphs

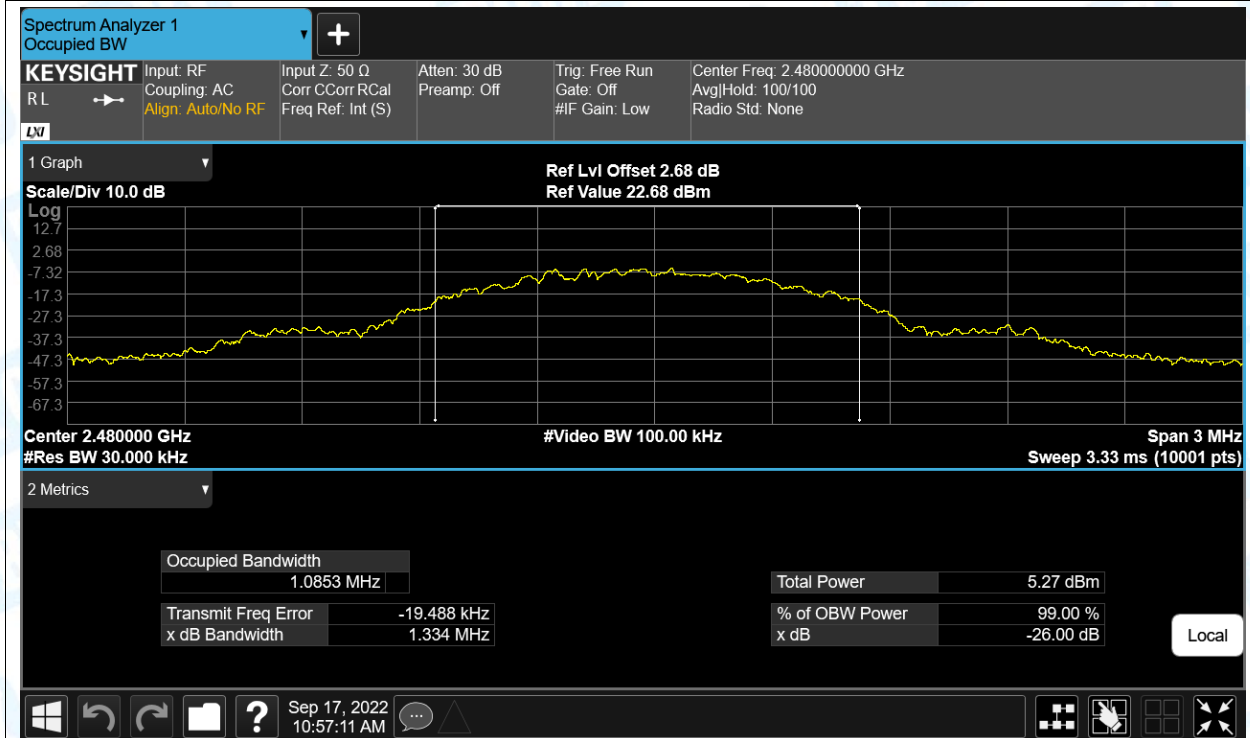
OBW NVNT BLE 1Mbps 2402MHz Ant1



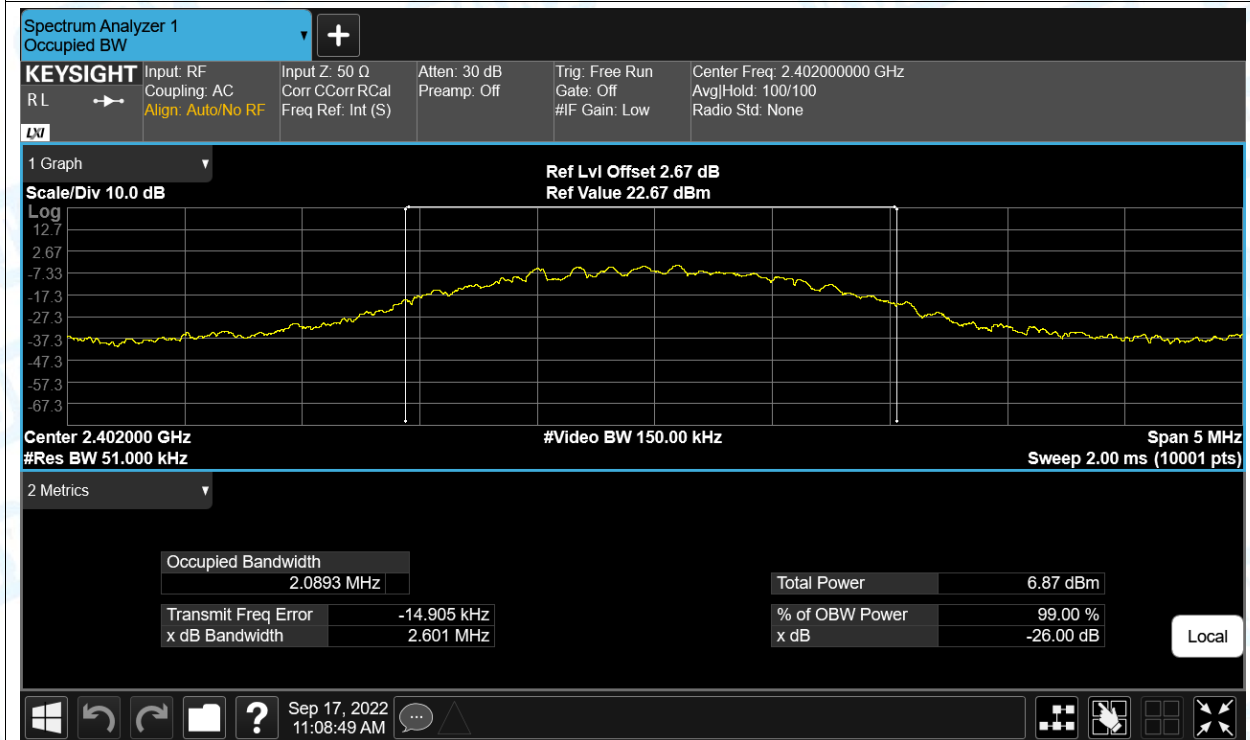
OBW NVNT BLE 1Mbps 2440MHz Ant1

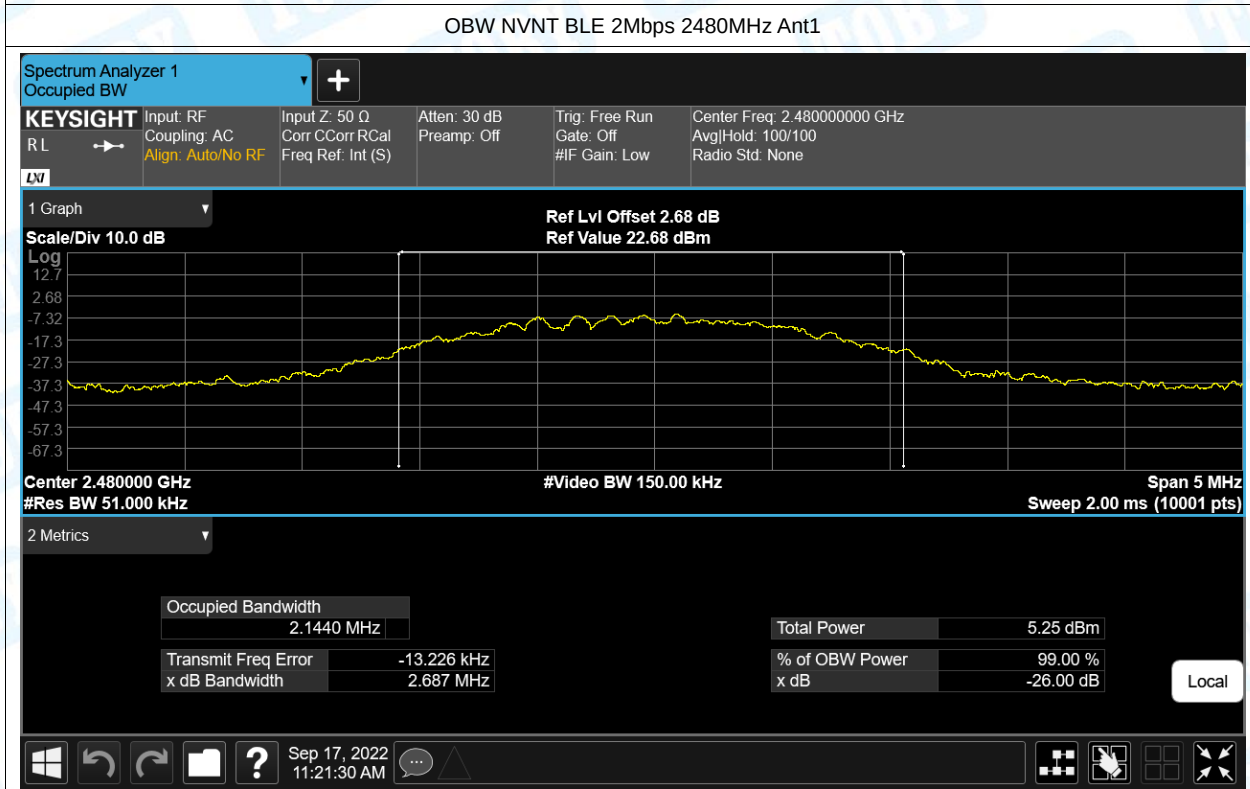
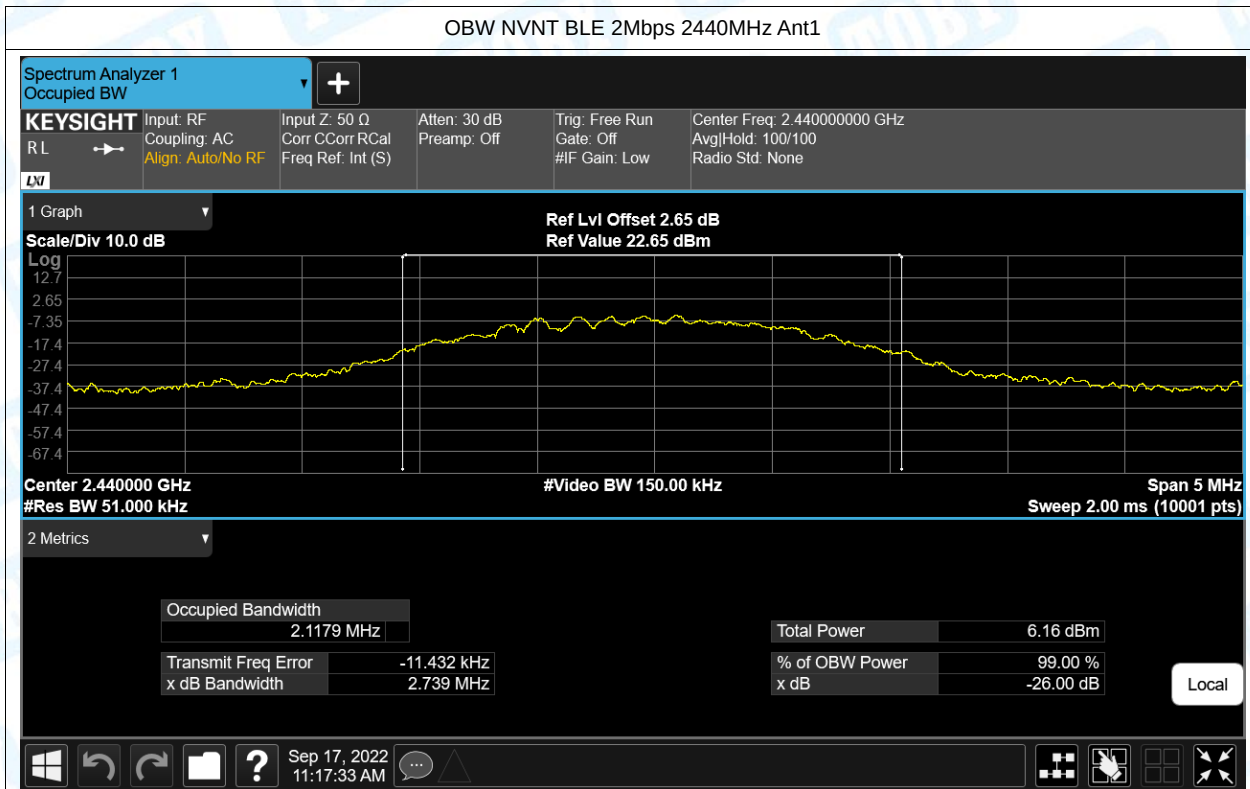


OBW NVNT BLE 1Mbps 2480MHz Ant1



OBW NVNT BLE 2Mbps 2402MHz Ant1



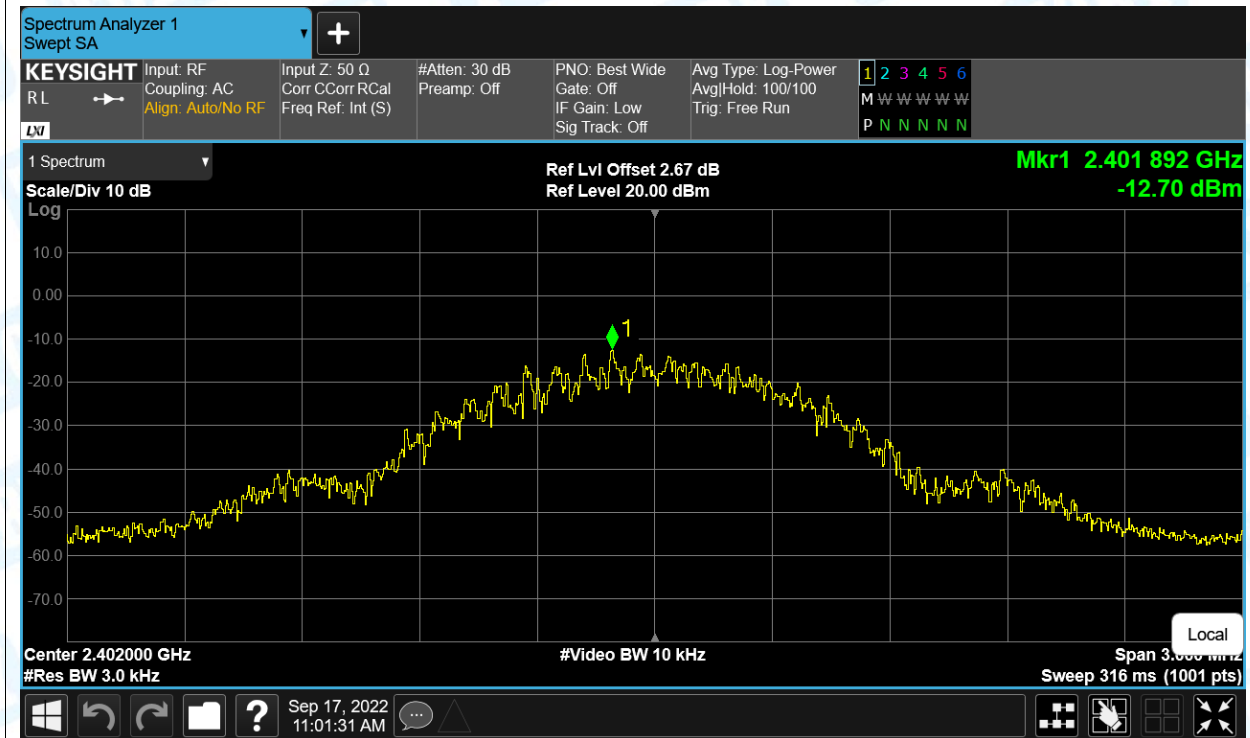


5. Maximum Power Spectral Density Level

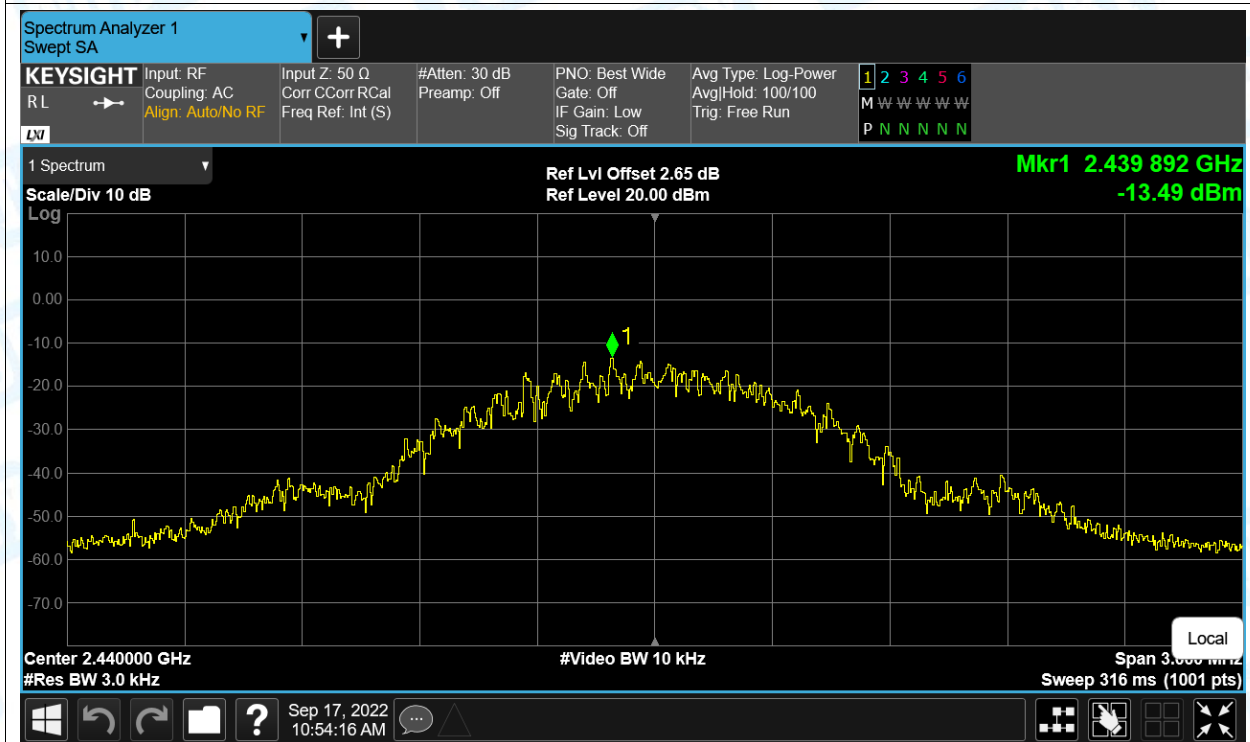
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-12.704	8	Pass
NVNT	BLE 1Mbps	2440	Ant1	-13.493	8	Pass
NVNT	BLE 1Mbps	2480	Ant1	-14.455	8	Pass
NVNT	BLE 2Mbps	2402	Ant1	-15.62	8	Pass
NVNT	BLE 2Mbps	2440	Ant1	-16.511	8	Pass
NVNT	BLE 2Mbps	2480	Ant1	-17.43	8	Pass

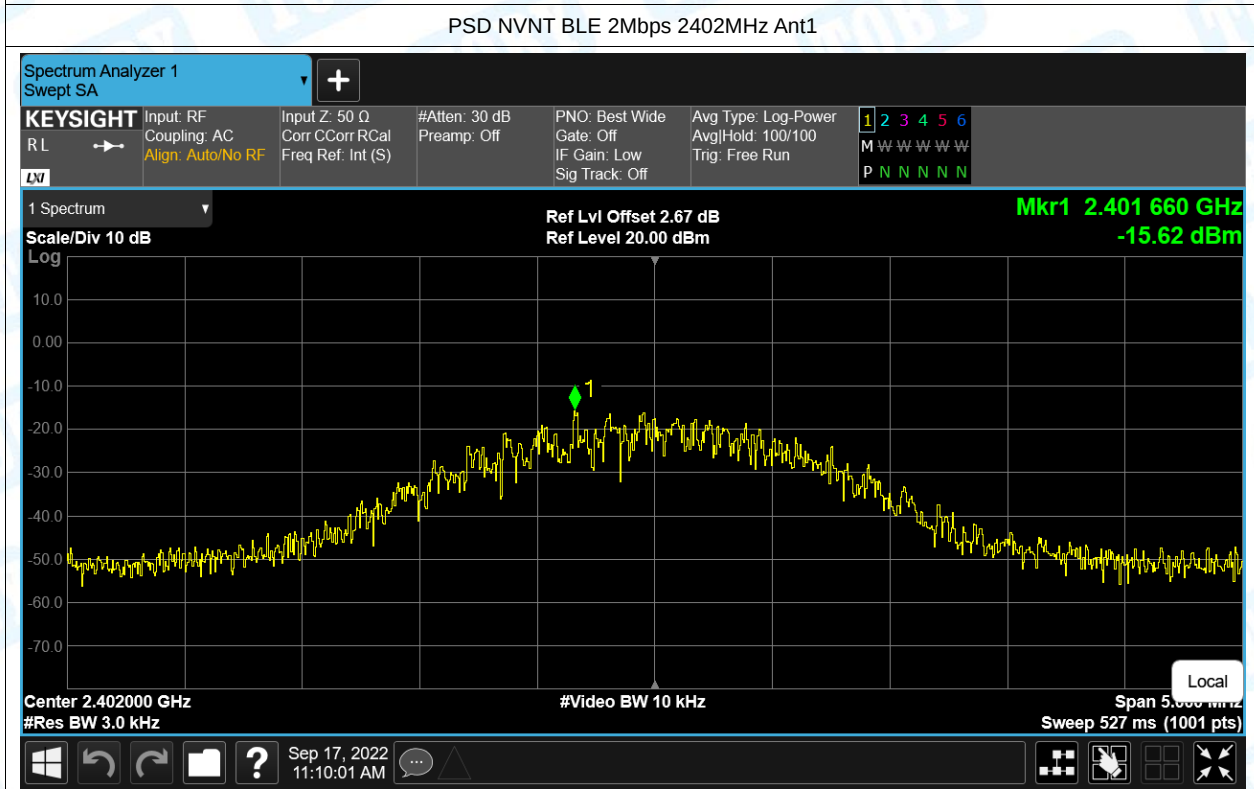
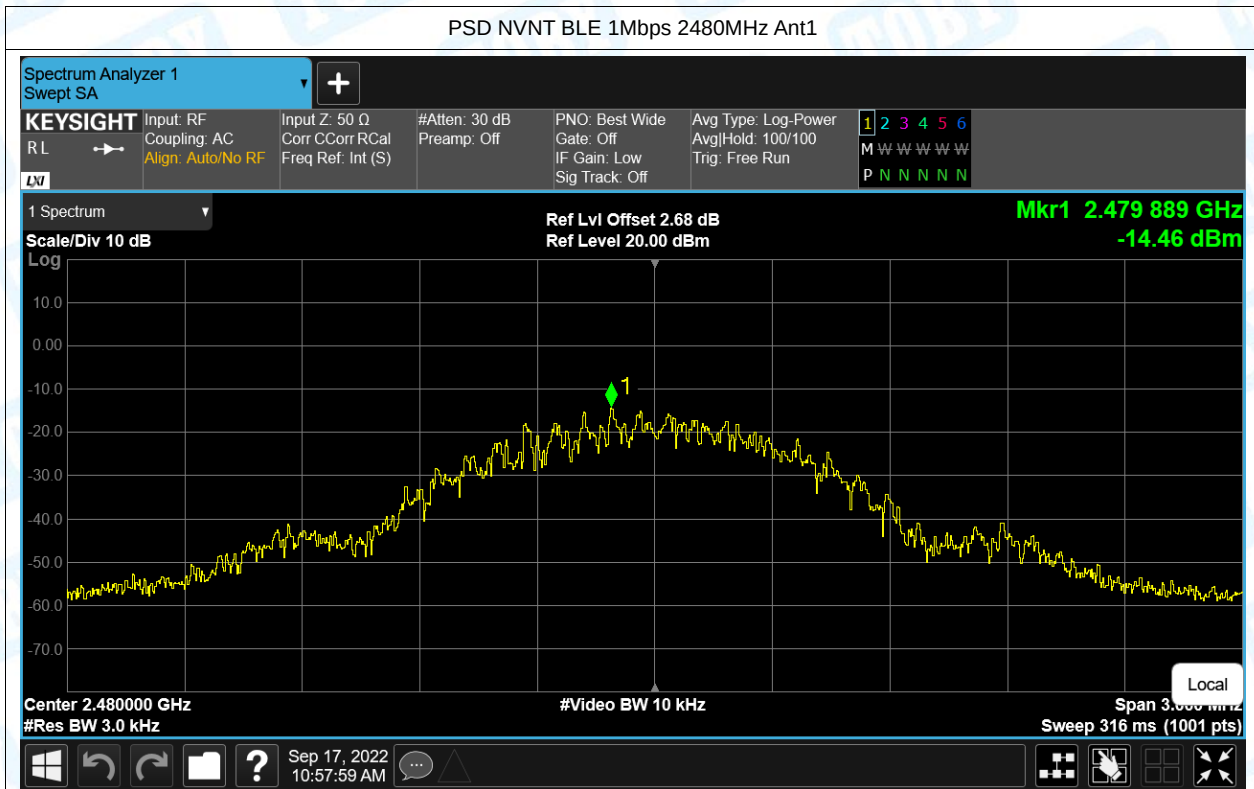
Test Graphs

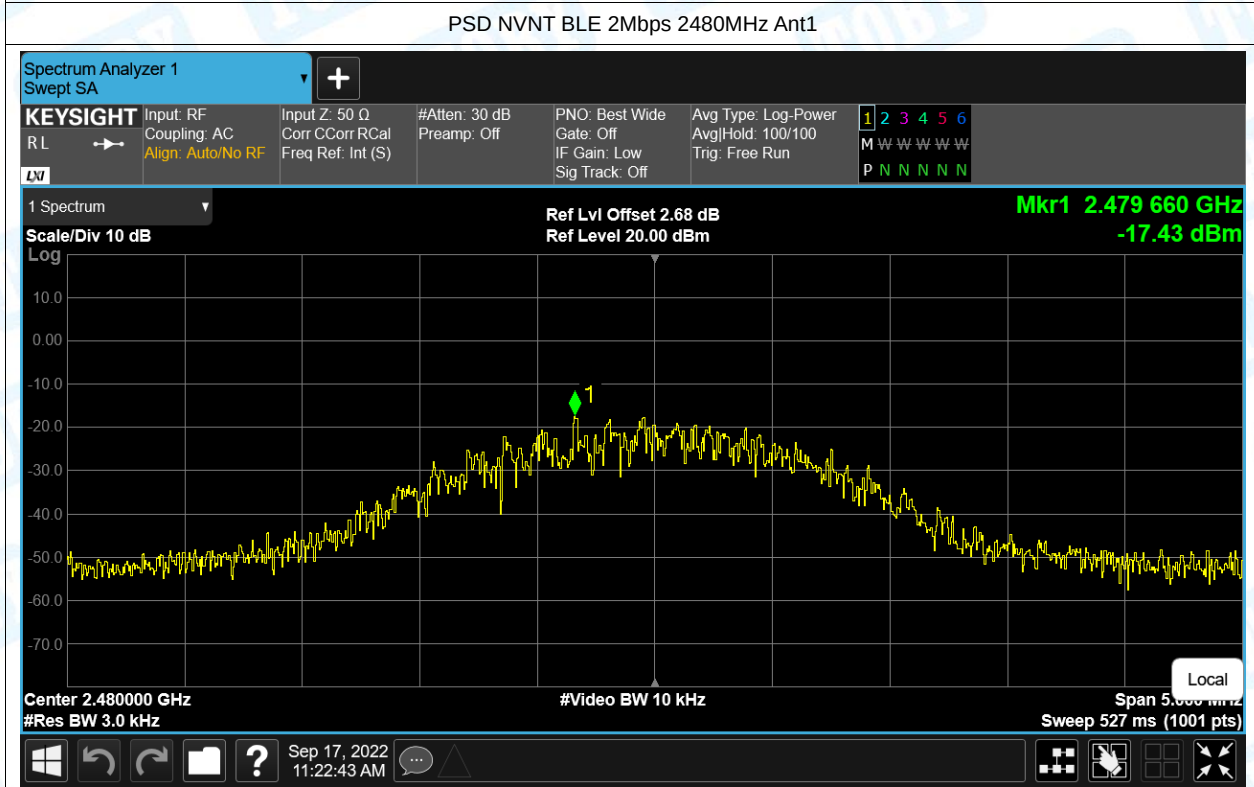
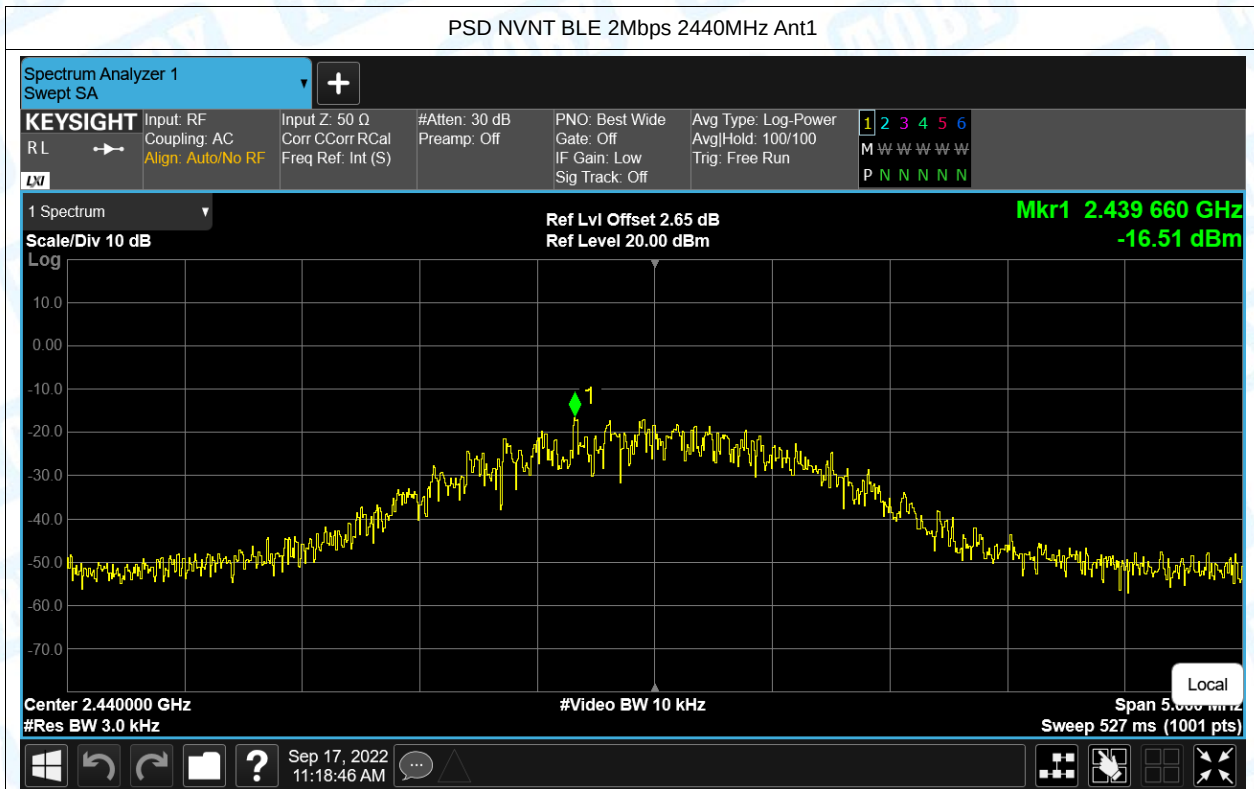
PSD NVNT BLE 1Mbps 2402MHz Ant1



PSD NVNT BLE 1Mbps 2440MHz Ant1





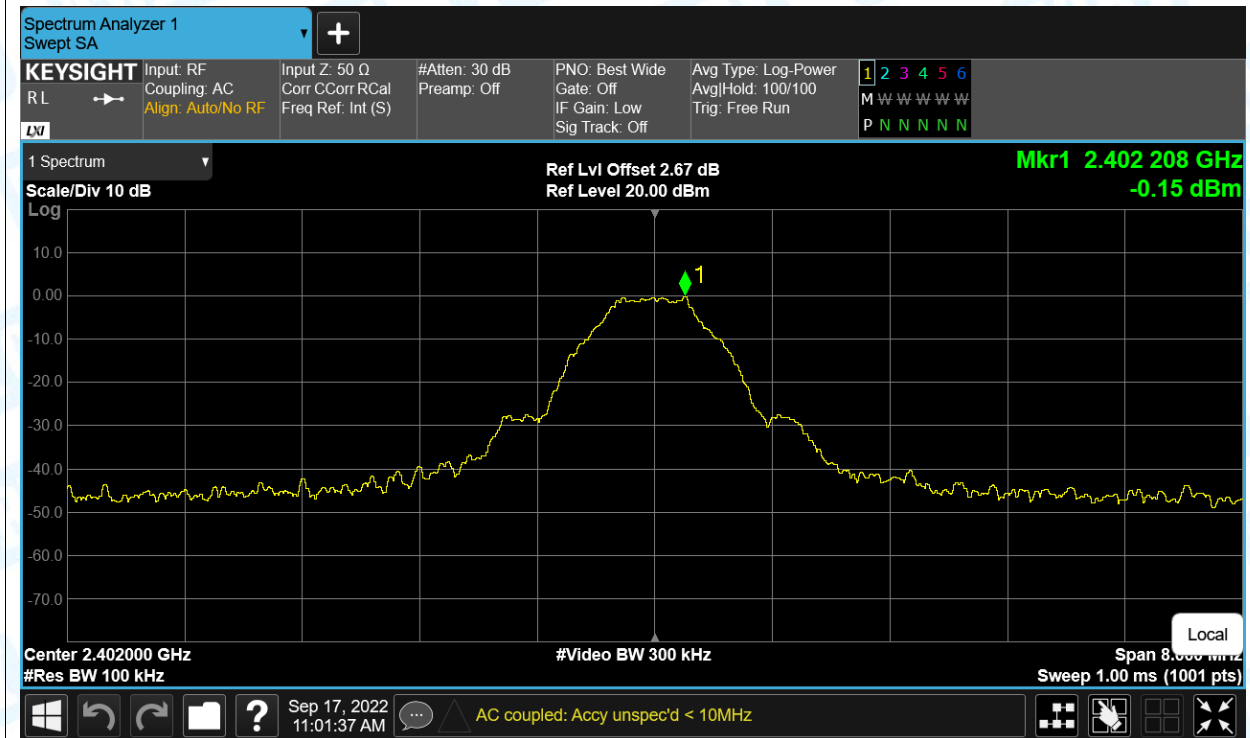


6. Band Edge

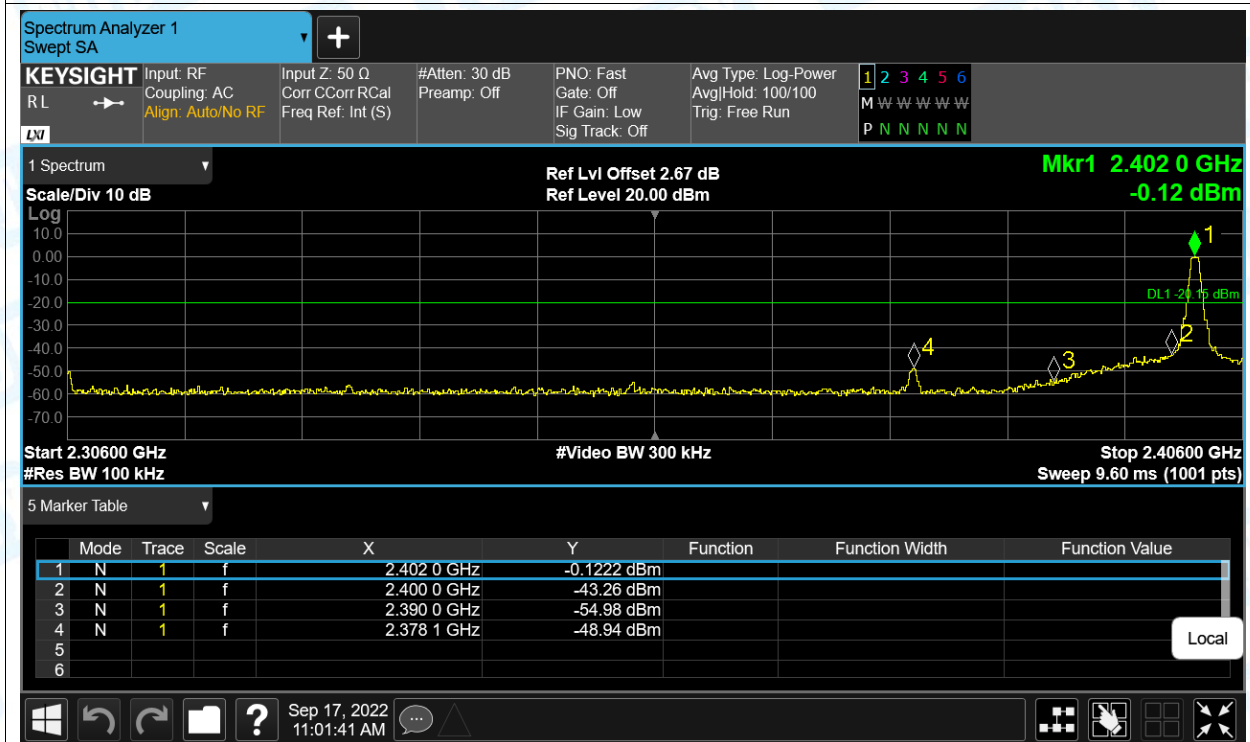
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-48.79	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-44.29	-20	Pass
NVNT	BLE 2Mbps	2402	Ant1	-49.35	-20	Pass
NVNT	BLE 2Mbps	2480	Ant1	-34.91	-20	Pass

Test Graphs

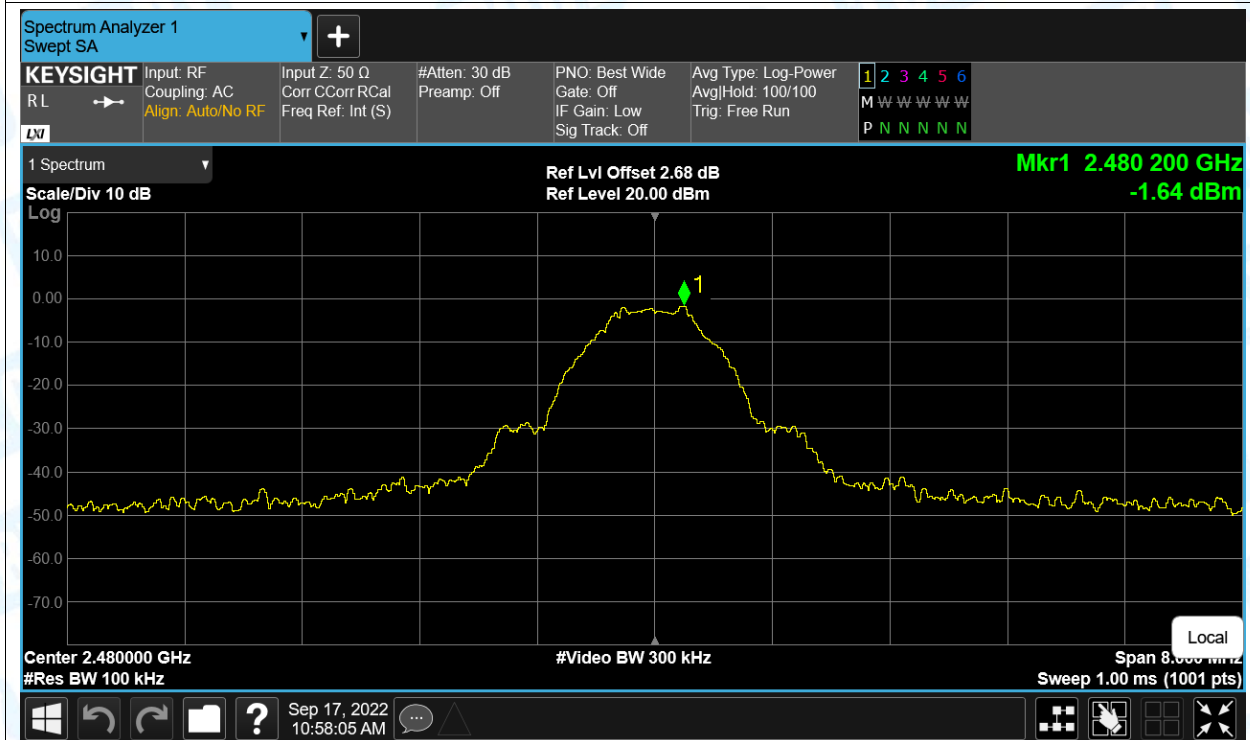
Band Edge NVNT BLE 1Mbps 2402MHz Ant1 Ref



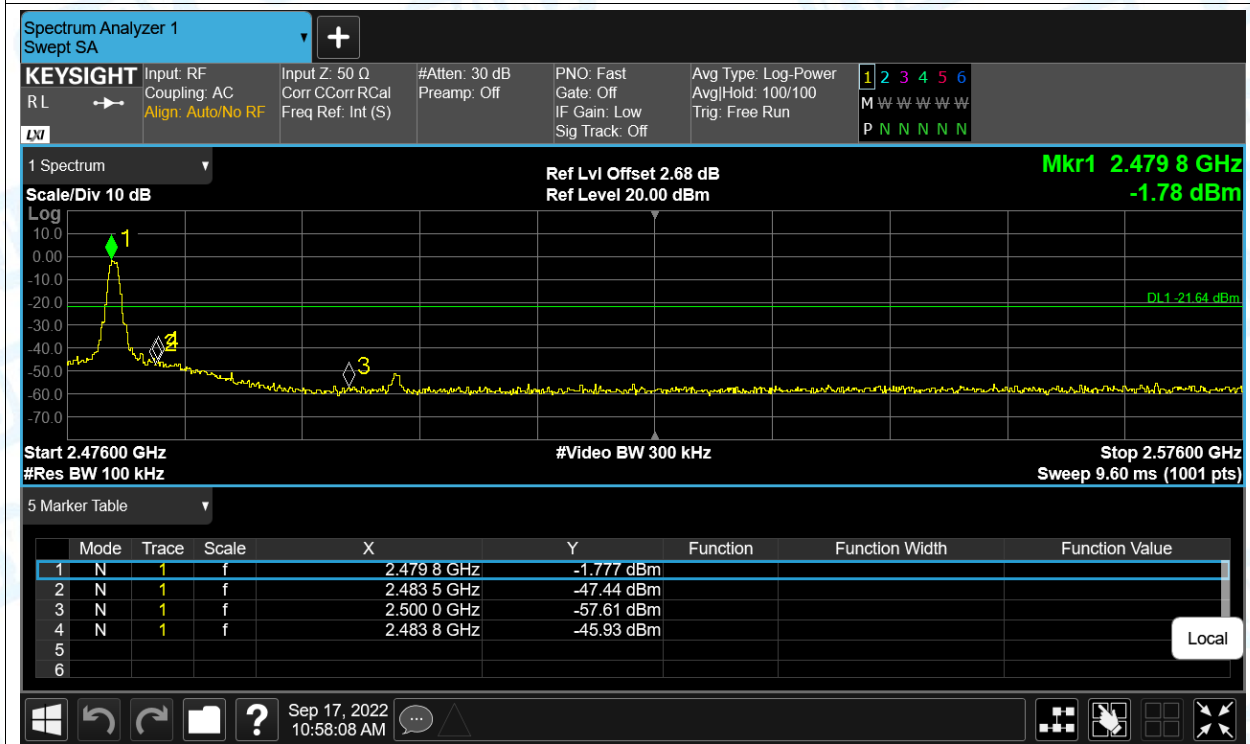
Band Edge NVNT BLE 1Mbps 2402MHz Ant1 Emission



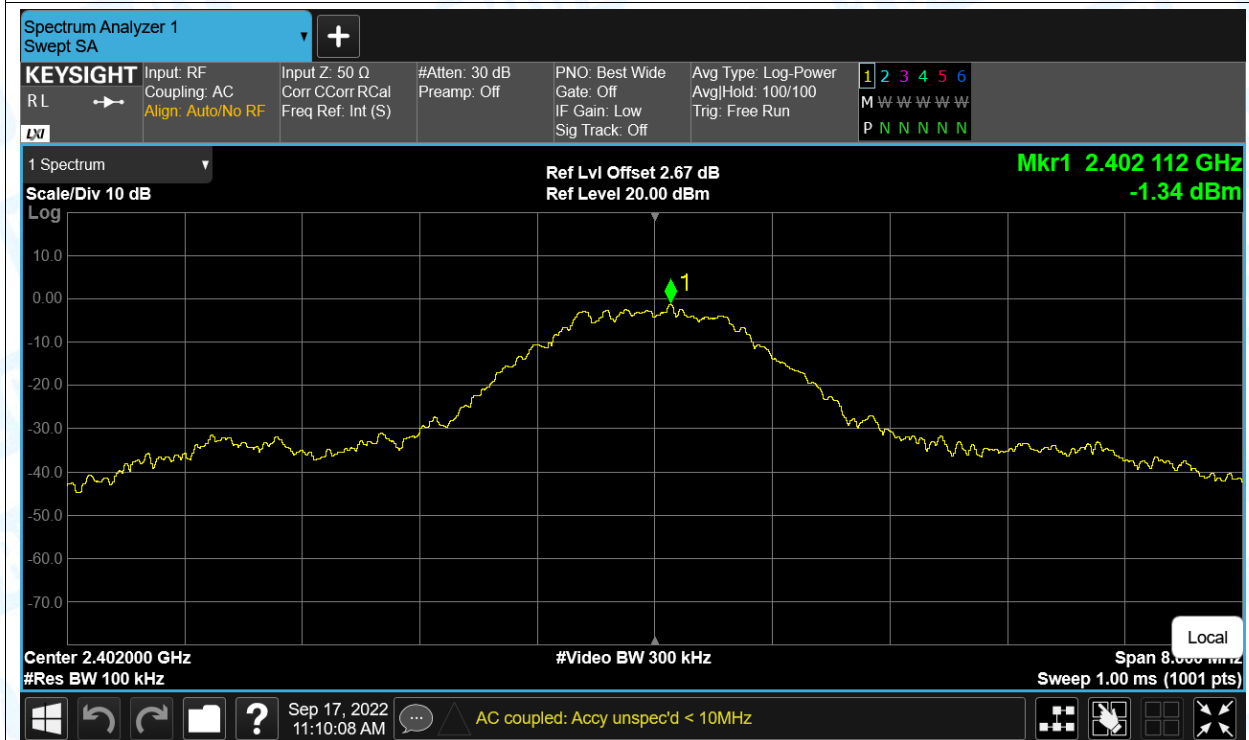
Band Edge NVNT BLE 1Mbps 2480MHz Ant1 Ref



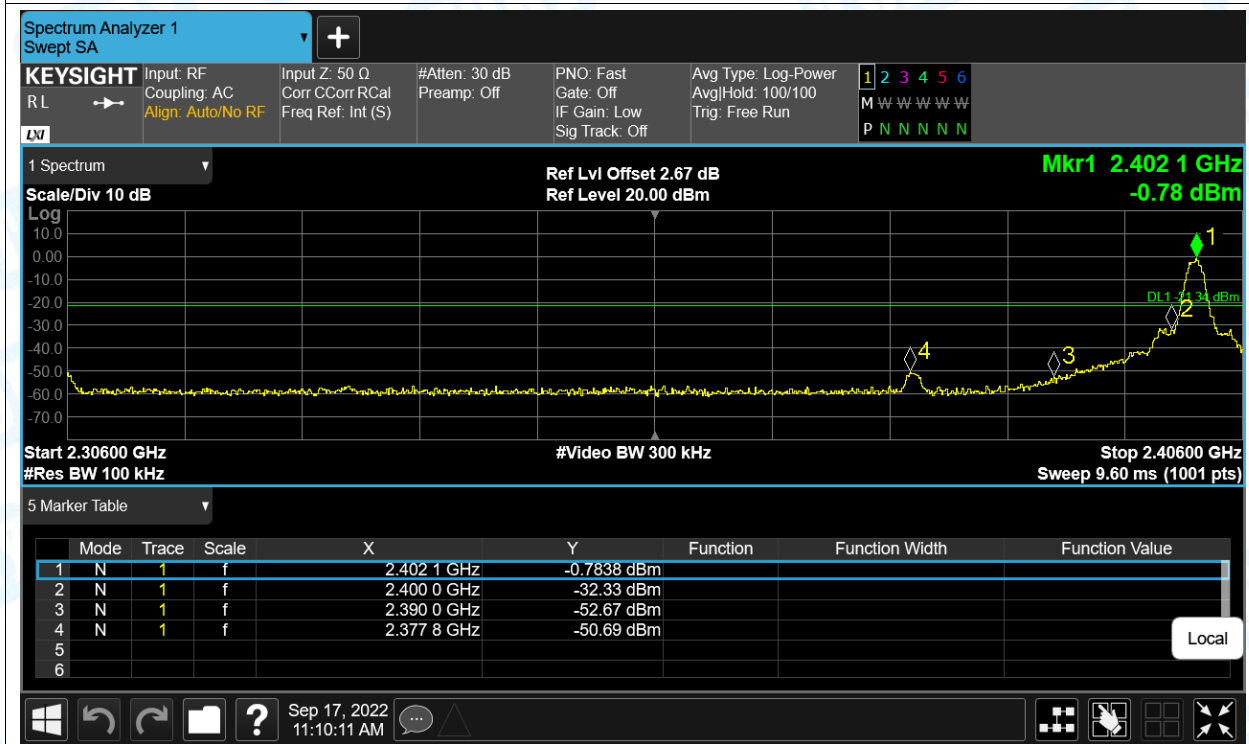
Band Edge NVNT BLE 1Mbps 2480MHz Ant1 Emission



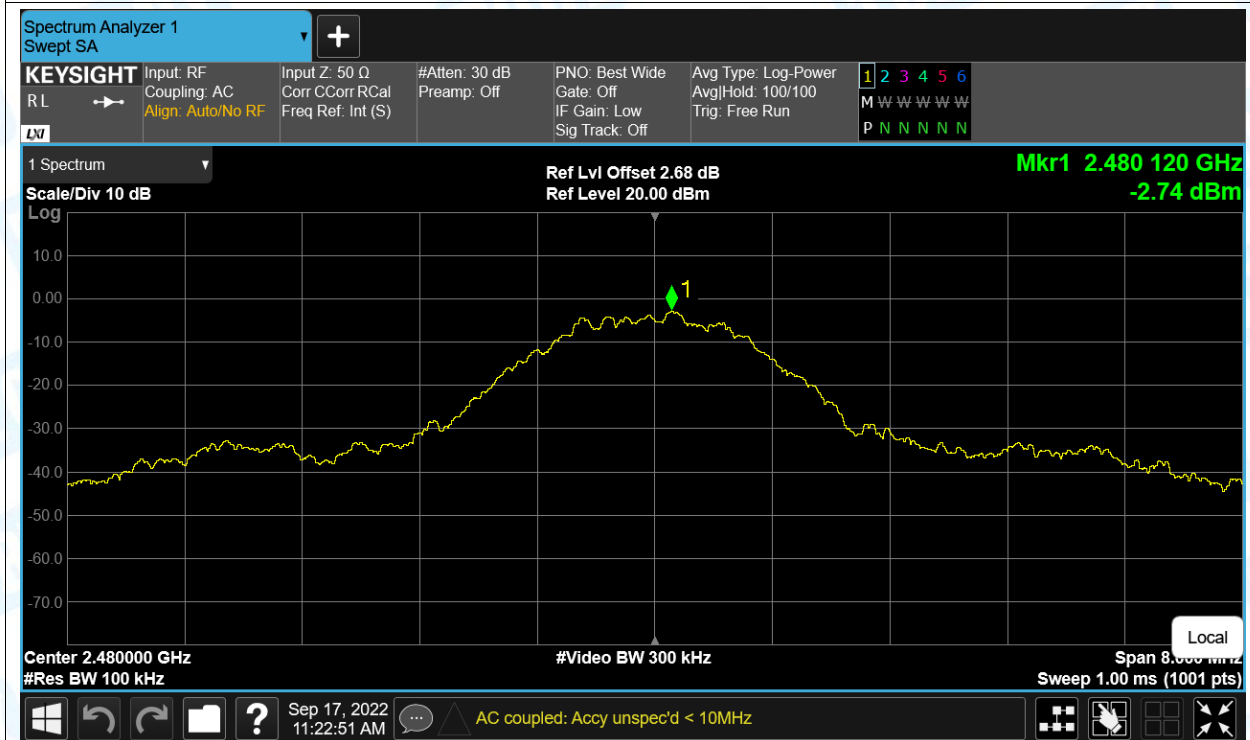
Band Edge NVNT BLE 2Mbps 2402MHz Ant1 Ref



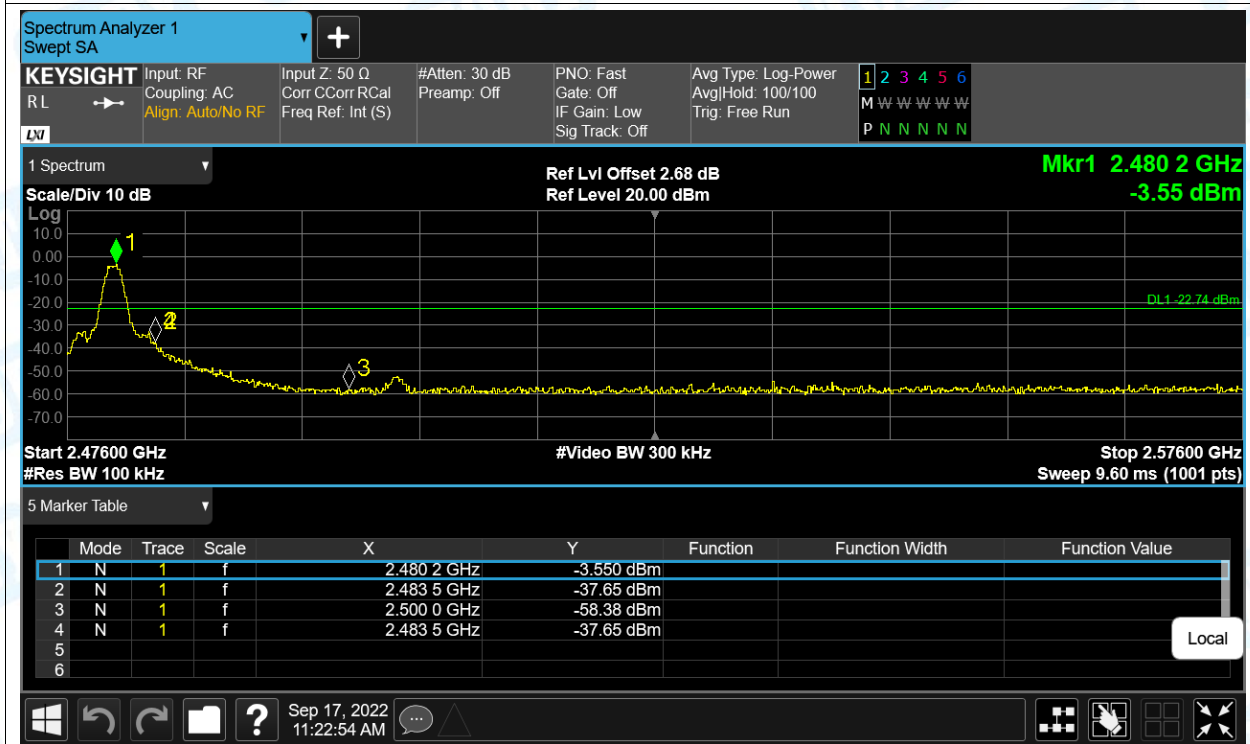
Band Edge NVNT BLE 2Mbps 2402MHz Ant1 Emission



Band Edge NVNT BLE 2Mbps 2480MHz Ant1 Ref



Band Edge NVNT BLE 2Mbps 2480MHz Ant1 Emission

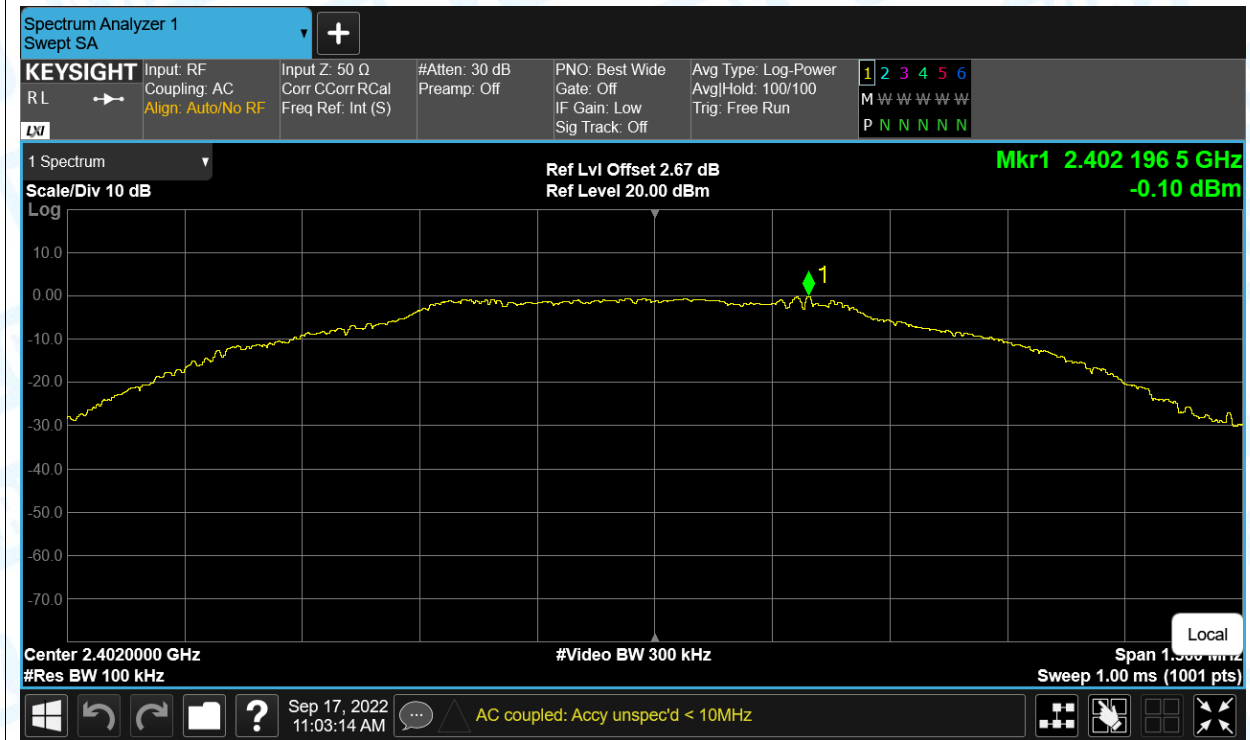


7. Conducted RF Spurious Emission

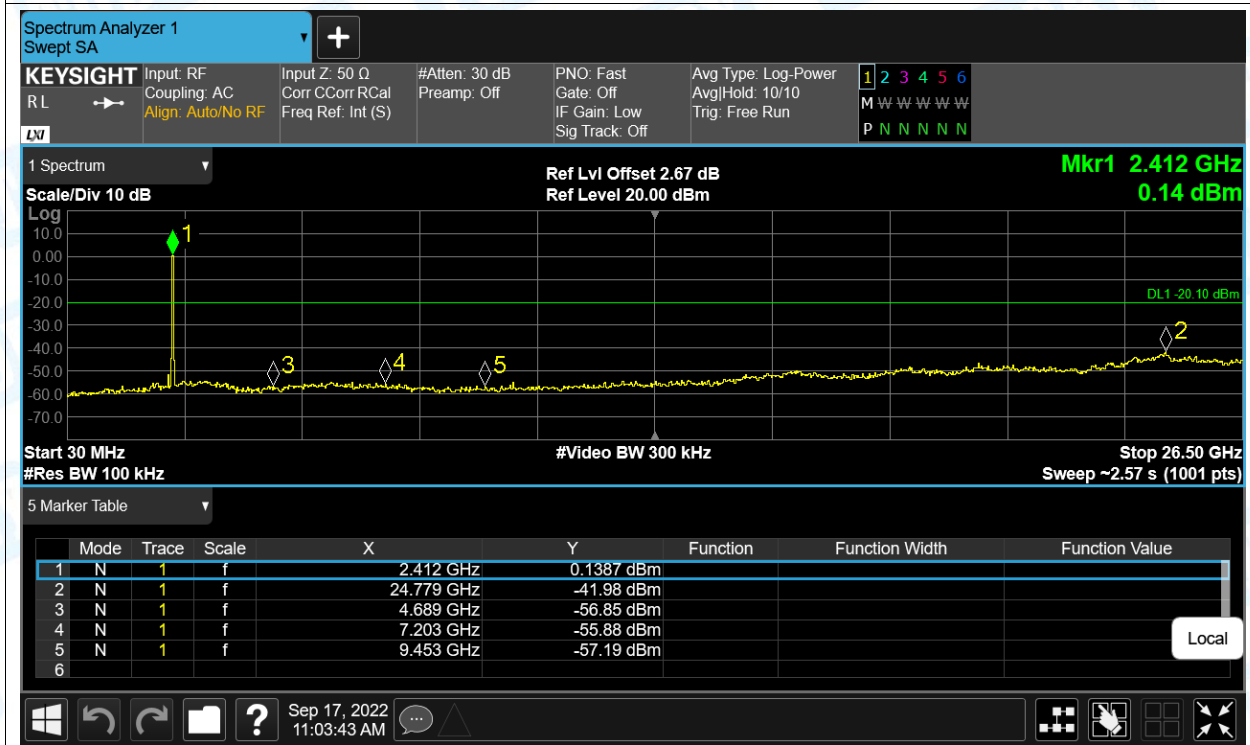
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-41.88	-20	Pass
NVNT	BLE 1Mbps	2440	Ant1	-40.73	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-40.39	-20	Pass
NVNT	BLE 2Mbps	2402	Ant1	-40.71	-20	Pass
NVNT	BLE 2Mbps	2440	Ant1	-39.82	-20	Pass
NVNT	BLE 2Mbps	2480	Ant1	-38.06	-20	Pass

Test Graphs

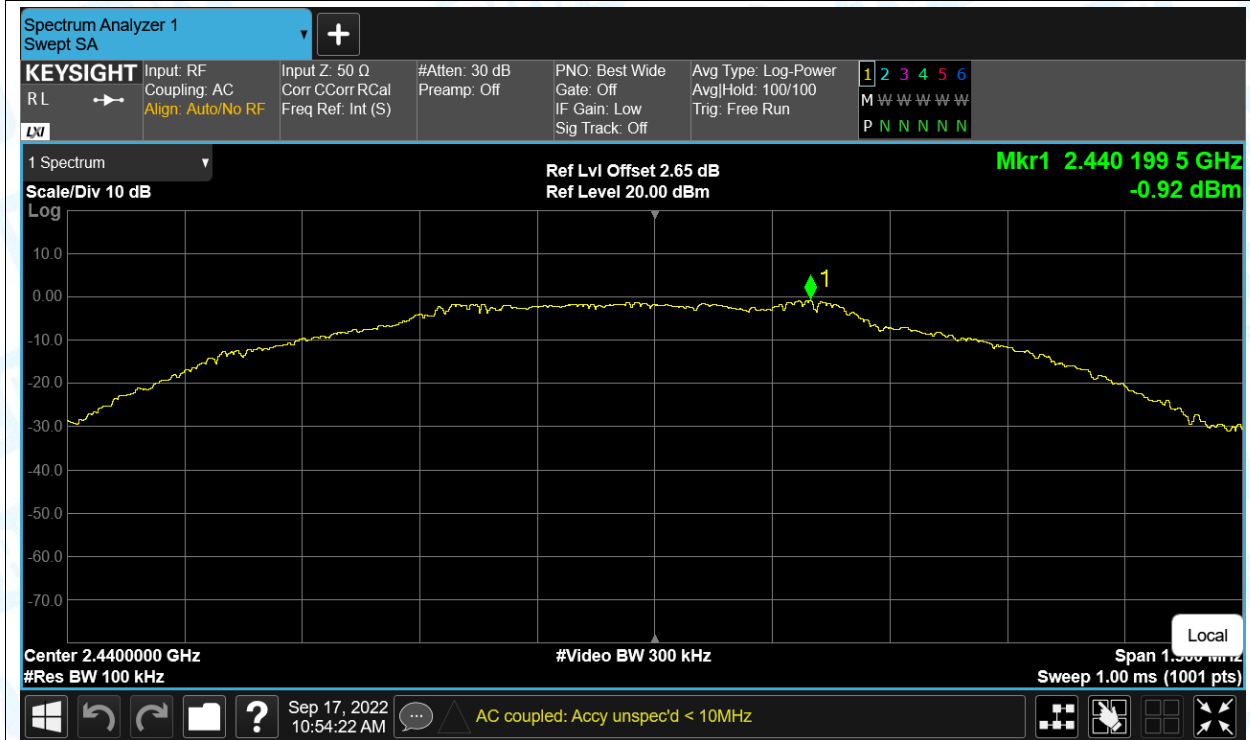
Tx. Spurious NVNT BLE 1Mbps 2402MHz Ant1 Ref



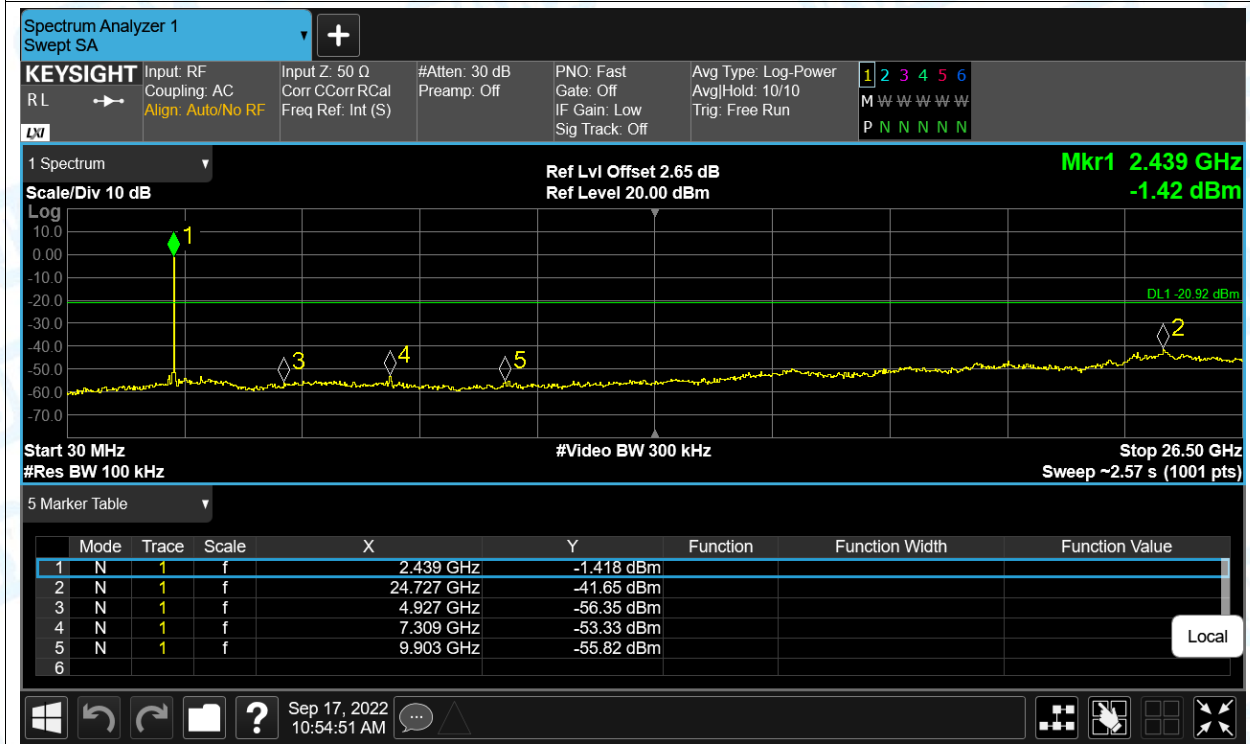
Tx. Spurious NVNT BLE 1Mbps 2402MHz Ant1 Emission



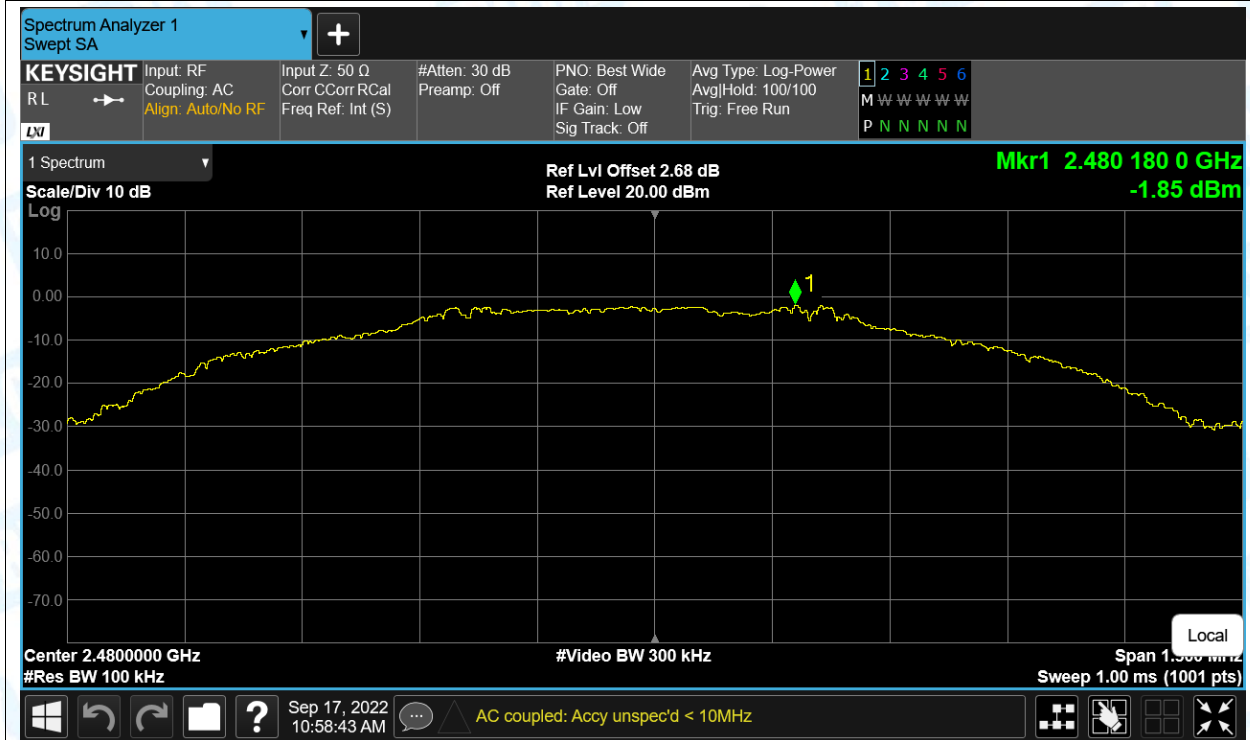
Tx. Spurious NVNT BLE 1Mbps 2440MHz Ant1 Ref



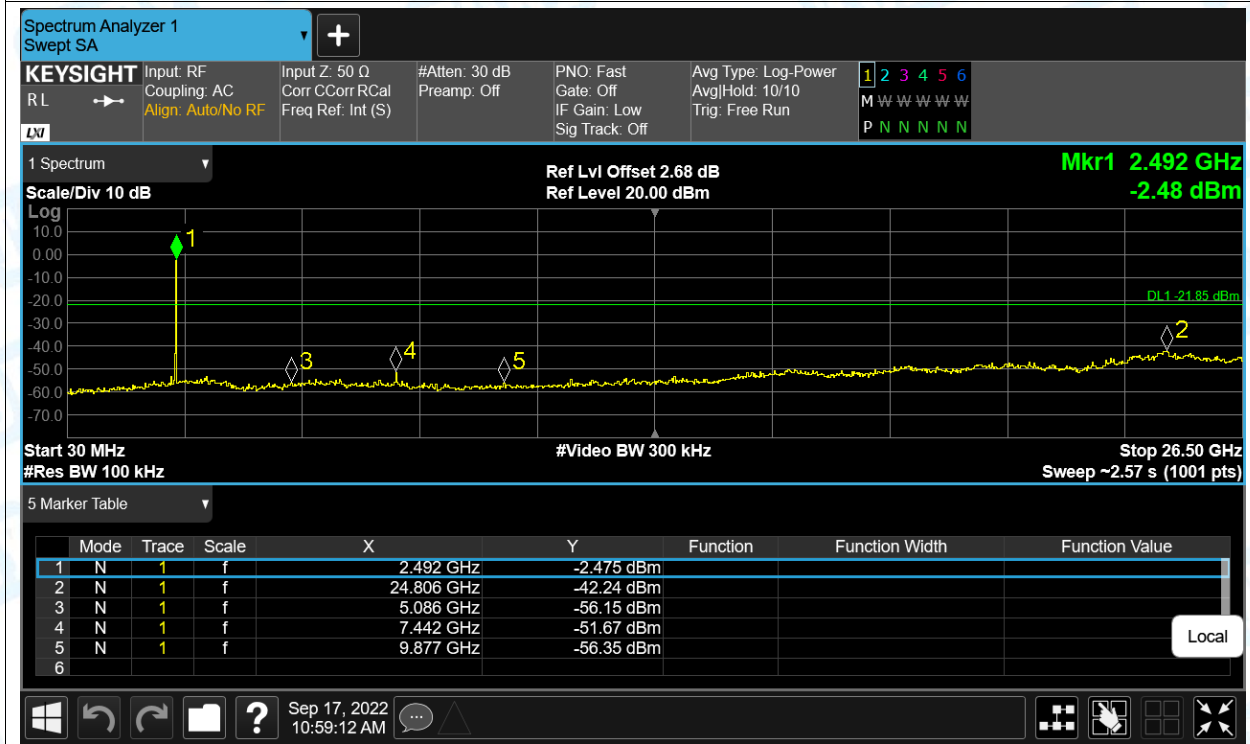
Tx. Spurious NVNT BLE 1Mbps 2440MHz Ant1 Emission



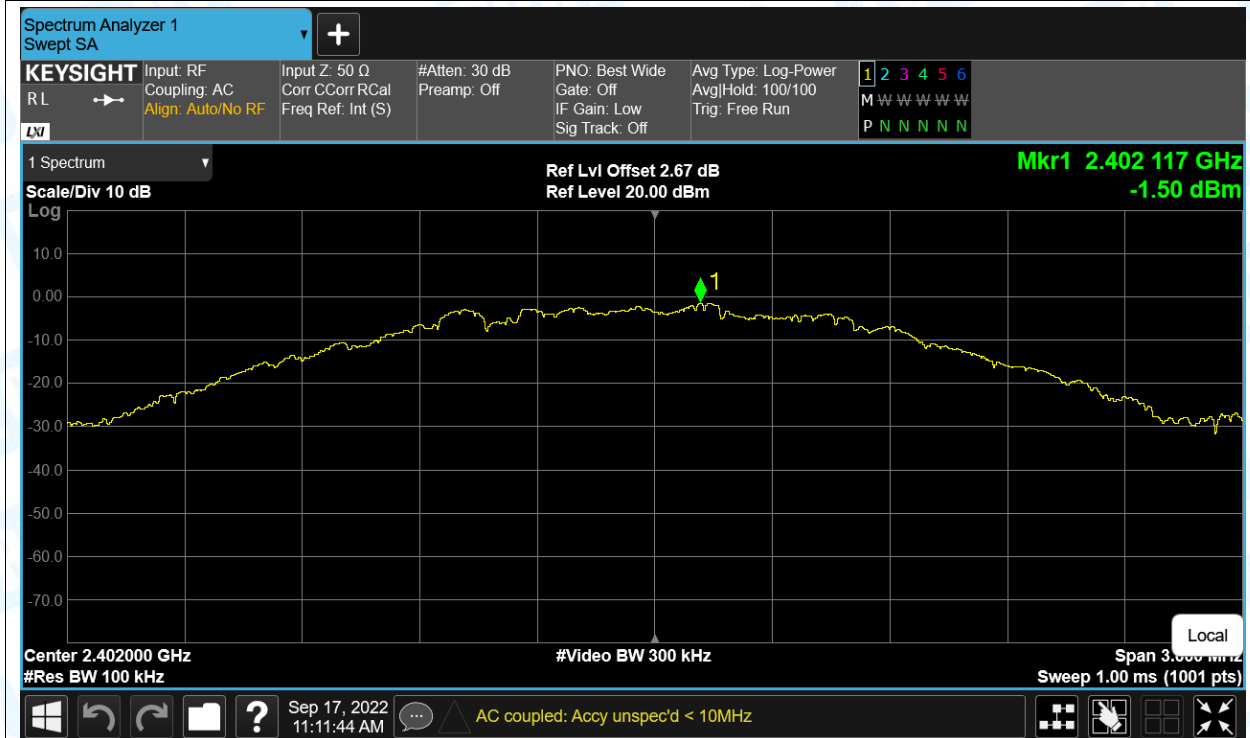
Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Ref



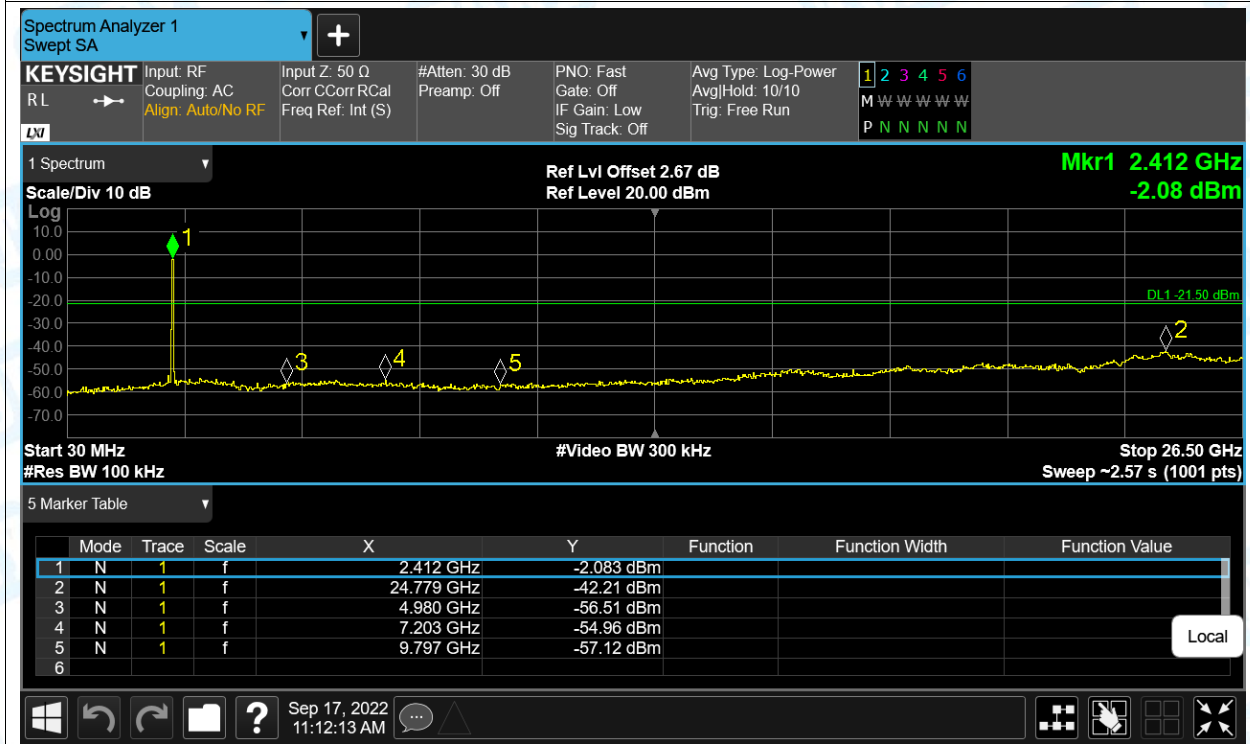
Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Emission



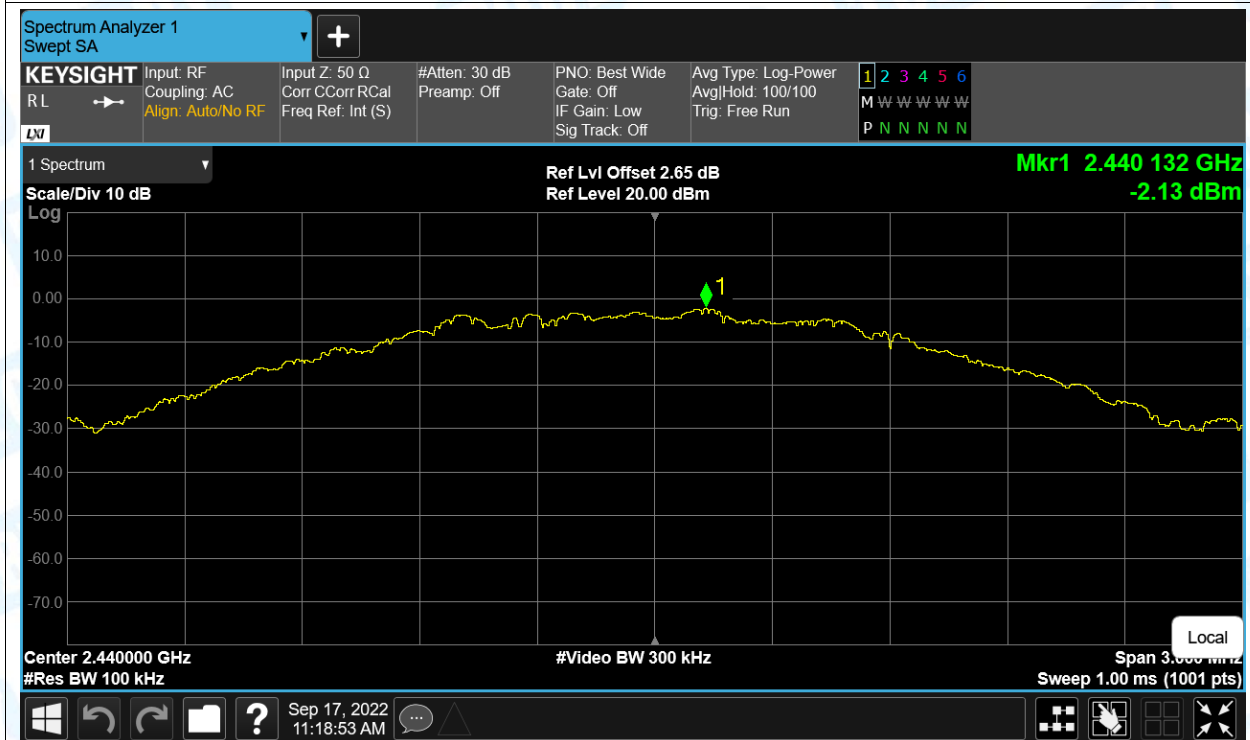
Tx. Spurious NVNT BLE 2Mbps 2402MHz Ant1 Ref



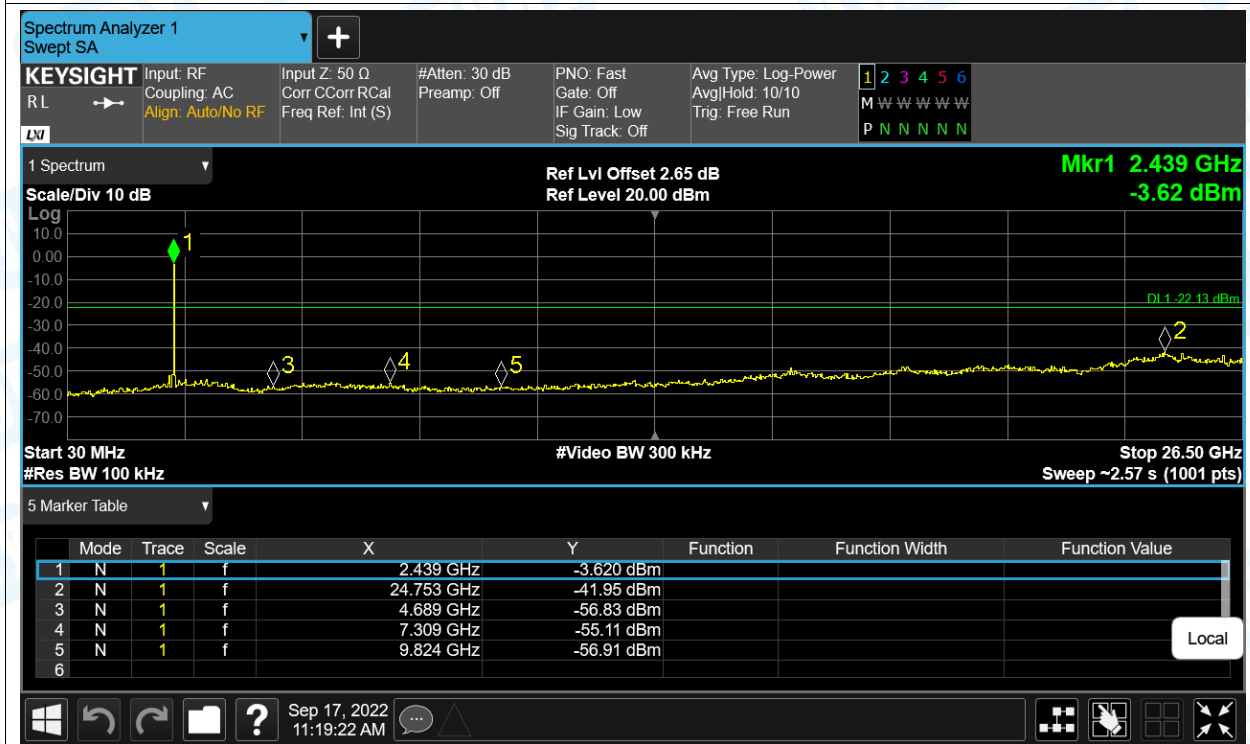
Tx. Spurious NVNT BLE 2Mbps 2402MHz Ant1 Emission

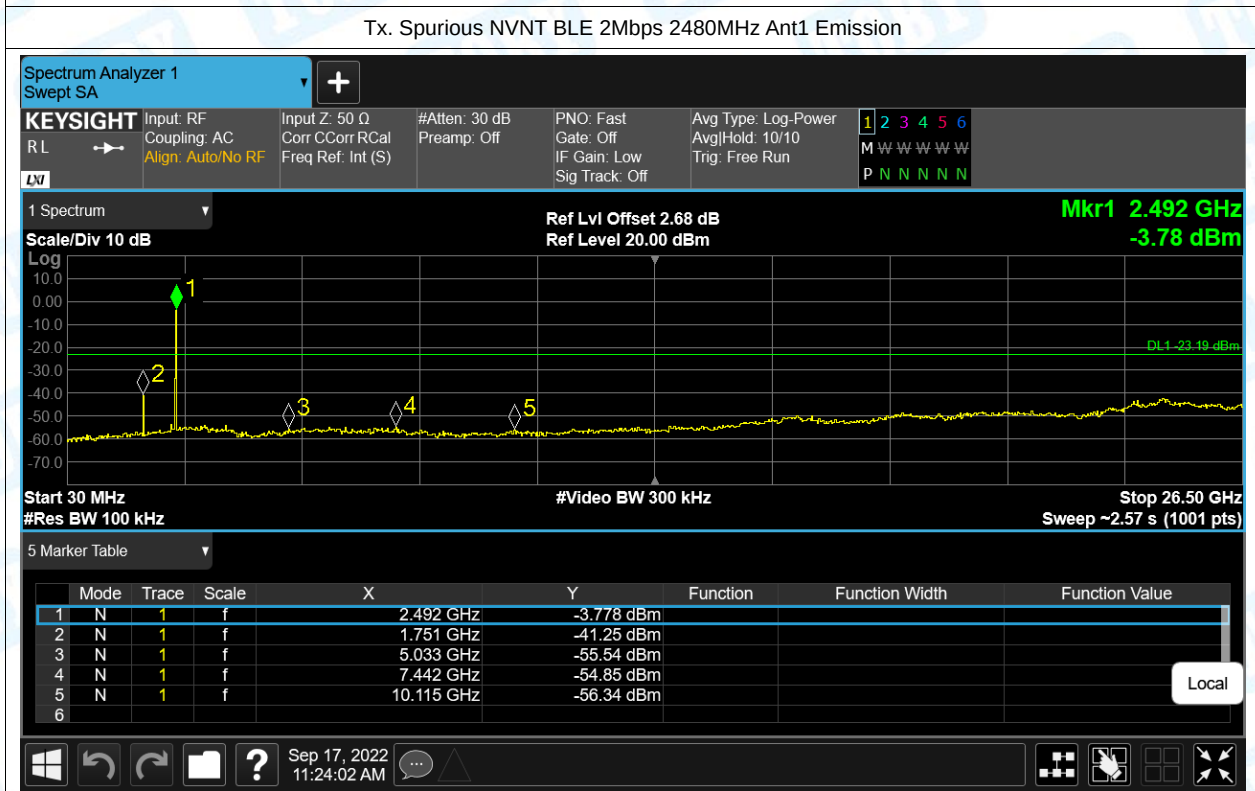
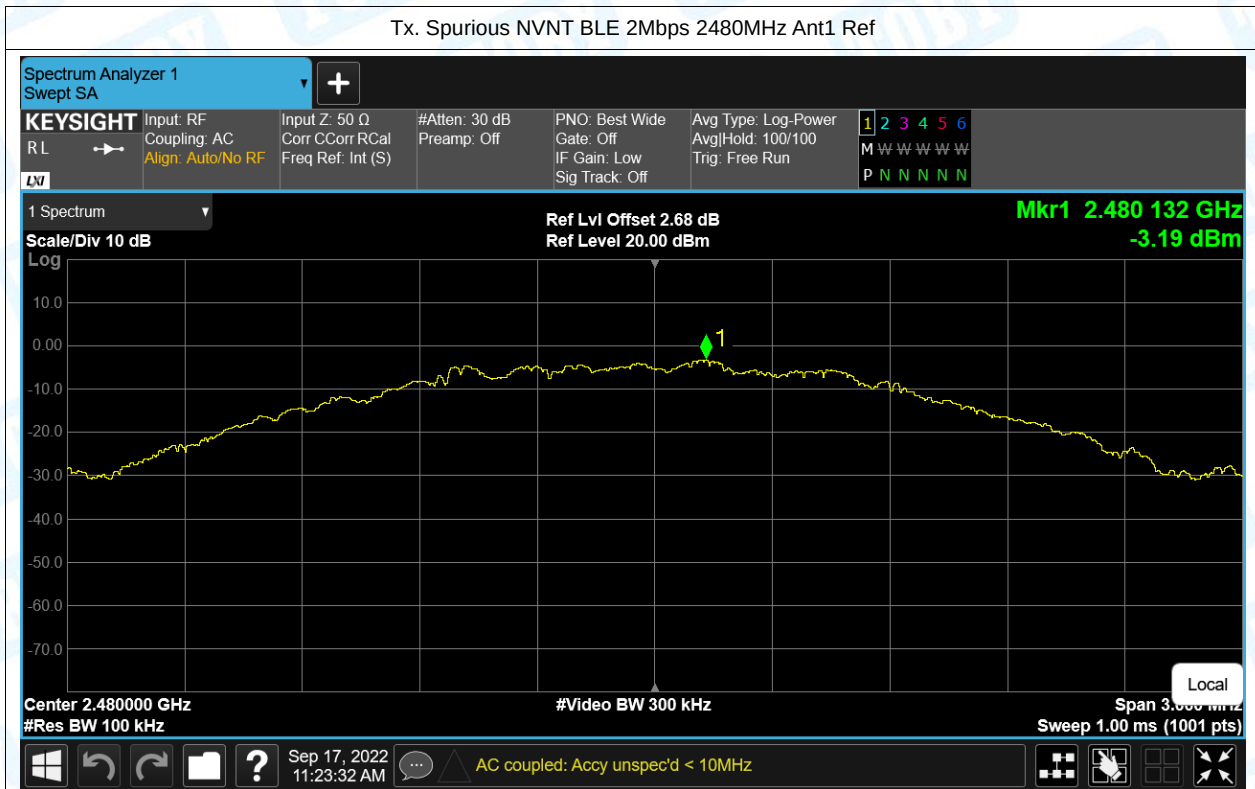


Tx. Spurious NVNT BLE 2Mbps 2440MHz Ant1 Ref



Tx. Spurious NVNT BLE 2Mbps 2440MHz Ant1 Emission



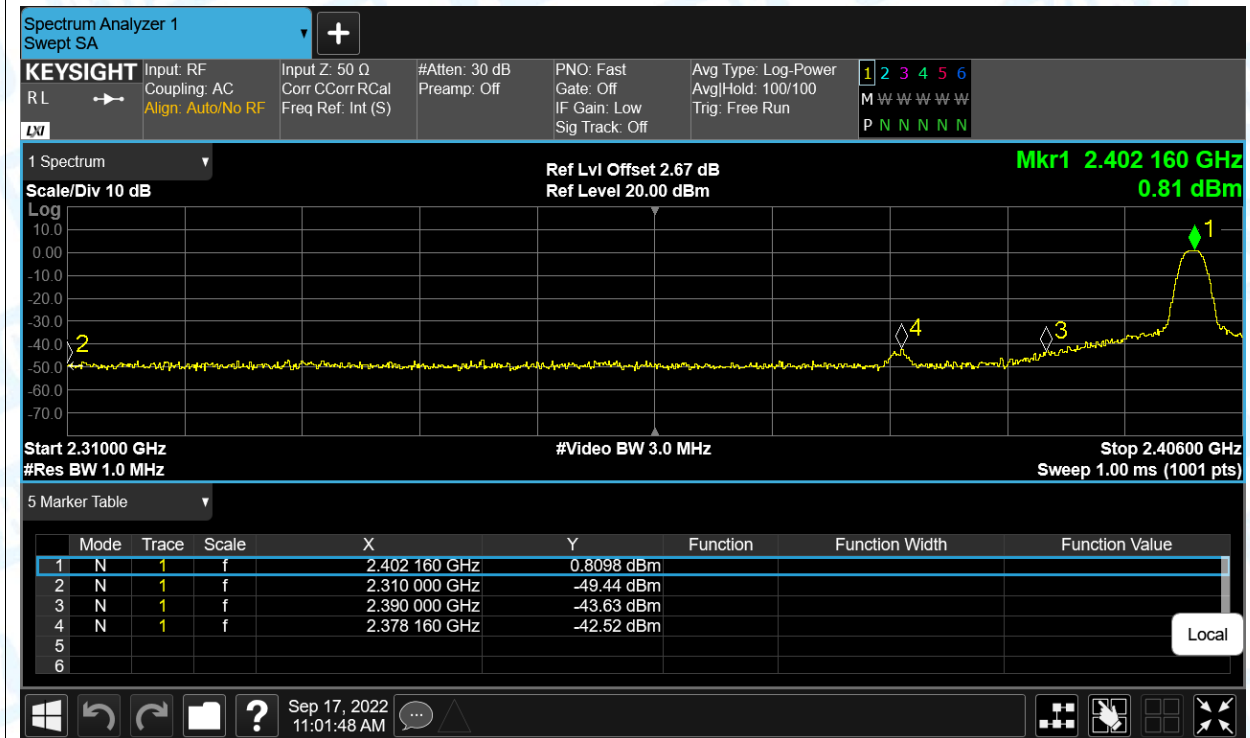


8. Restrict Band

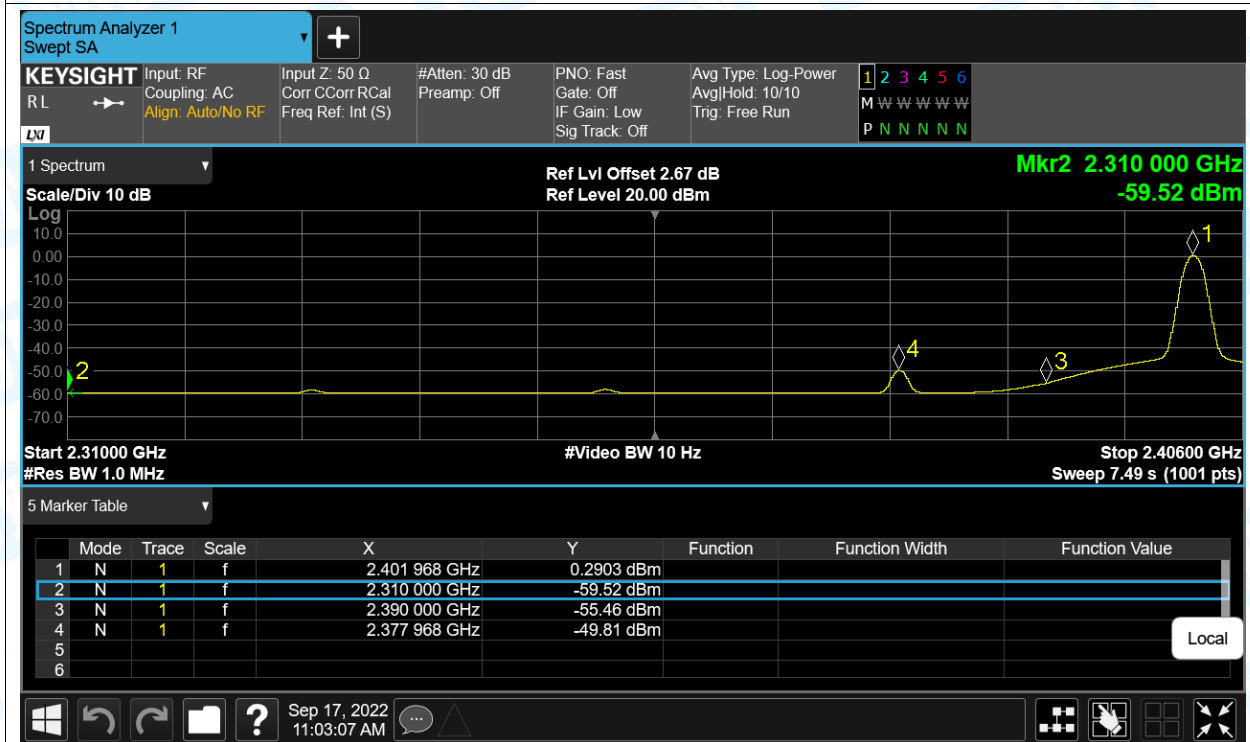
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	2310	-49.44	2	47.82	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2310	-59.52	2	37.74	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2378.16	-42.52	2	54.74	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2377.968	-49.81	2	47.45	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-42.71	2	54.55	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-55.31	2	41.95	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-36.72	2	60.54	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-46.92	2	50.34	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.776	-35.96	2	61.3	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.512	-46.92	2	50.34	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-49.85	2	47.41	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-59.23	2	38.03	Average	54	Pass
NVNT	BLE 2Mbps	2402	Ant1	2310	-50.65	2	46.61	Peak	74	Pass
NVNT	BLE 2Mbps	2402	Ant1	2310	-59.53	2	37.73	Average	54	Pass
NVNT	BLE 2Mbps	2402	Ant1	2389.488	-42.68	2	54.58	Peak	74	Pass
NVNT	BLE 2Mbps	2402	Ant1	2377.968	-50.54	2	46.72	Average	54	Pass
NVNT	BLE 2Mbps	2402	Ant1	2390	-43.83	2	53.43	Peak	74	Pass
NVNT	BLE 2Mbps	2402	Ant1	2390	-54.62	2	42.64	Average	54	Pass
NVNT	BLE 2Mbps	2480	Ant1	2483.5	-37.05	2	60.21	Peak	74	Pass
NVNT	BLE 2Mbps	2480	Ant1	2483.5	-46.7	2	50.56	Average	54	Pass
NVNT	BLE 2Mbps	2480	Ant1	2483.536	-35.57	2	61.69	Peak	74	Pass
NVNT	BLE 2Mbps	2480	Ant1	2483.512	-46.7	2	50.56	Average	54	Pass
NVNT	BLE 2Mbps	2480	Ant1	2500	-49.51	2	47.75	Peak	74	Pass
NVNT	BLE 2Mbps	2480	Ant1	2500	-59.26	2	38	Average	54	Pass

Test Graphs

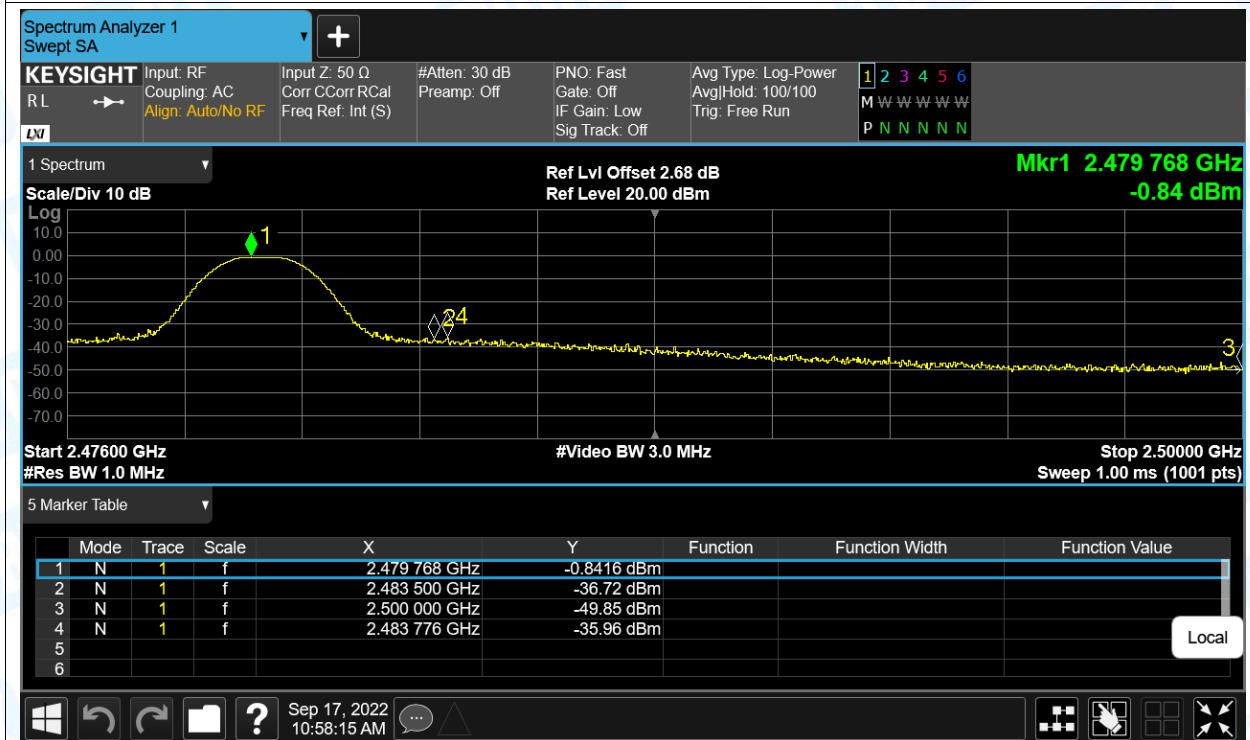
Restrict Band NVNT BLE 1Mbps 2402MHz Ant1 Peak



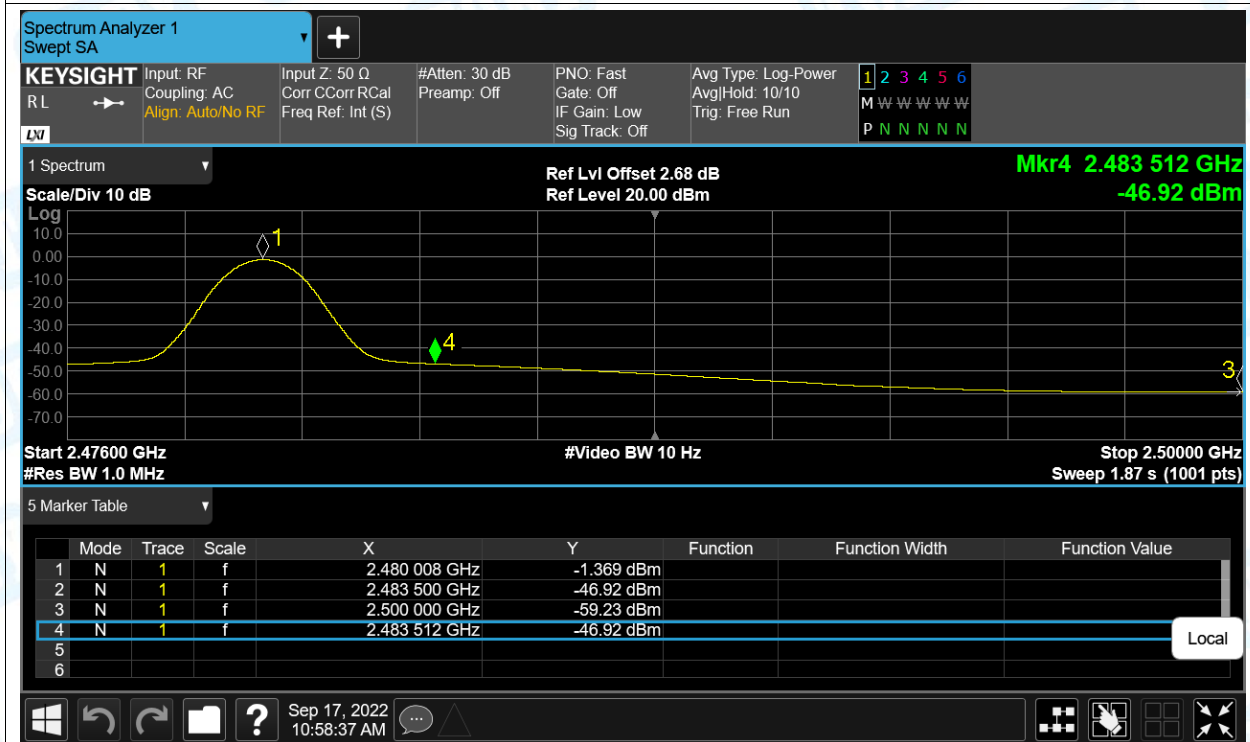
Restrict Band NVNT BLE 1Mbps 2402MHz Ant1 Average



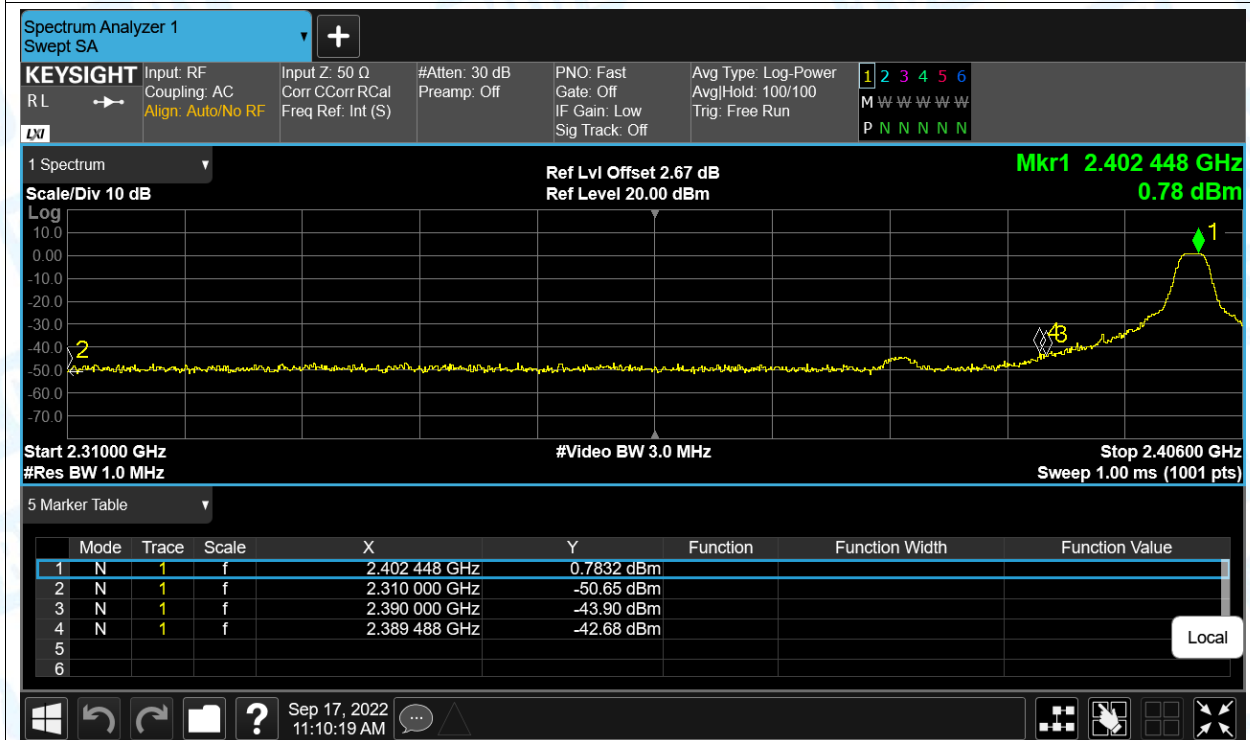
Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Peak



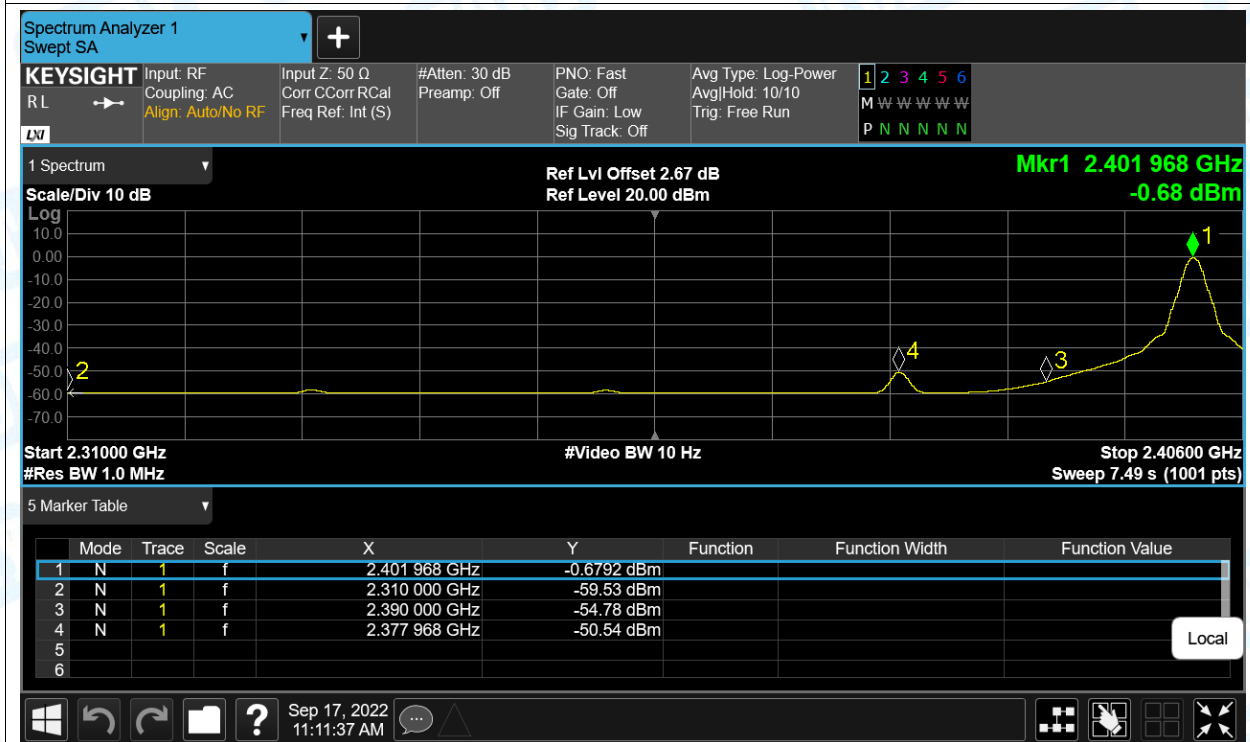
Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Average



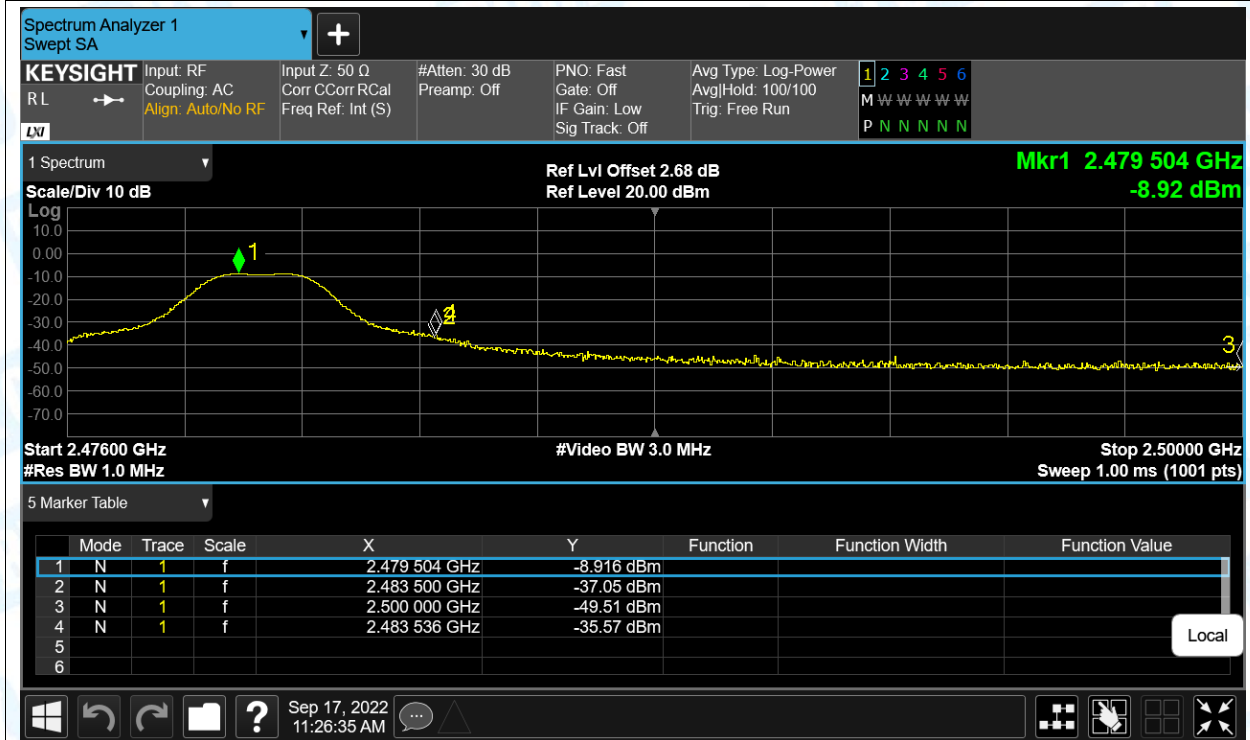
Restrict Band NVNT BLE 2Mbps 2402MHz Ant1 Peak



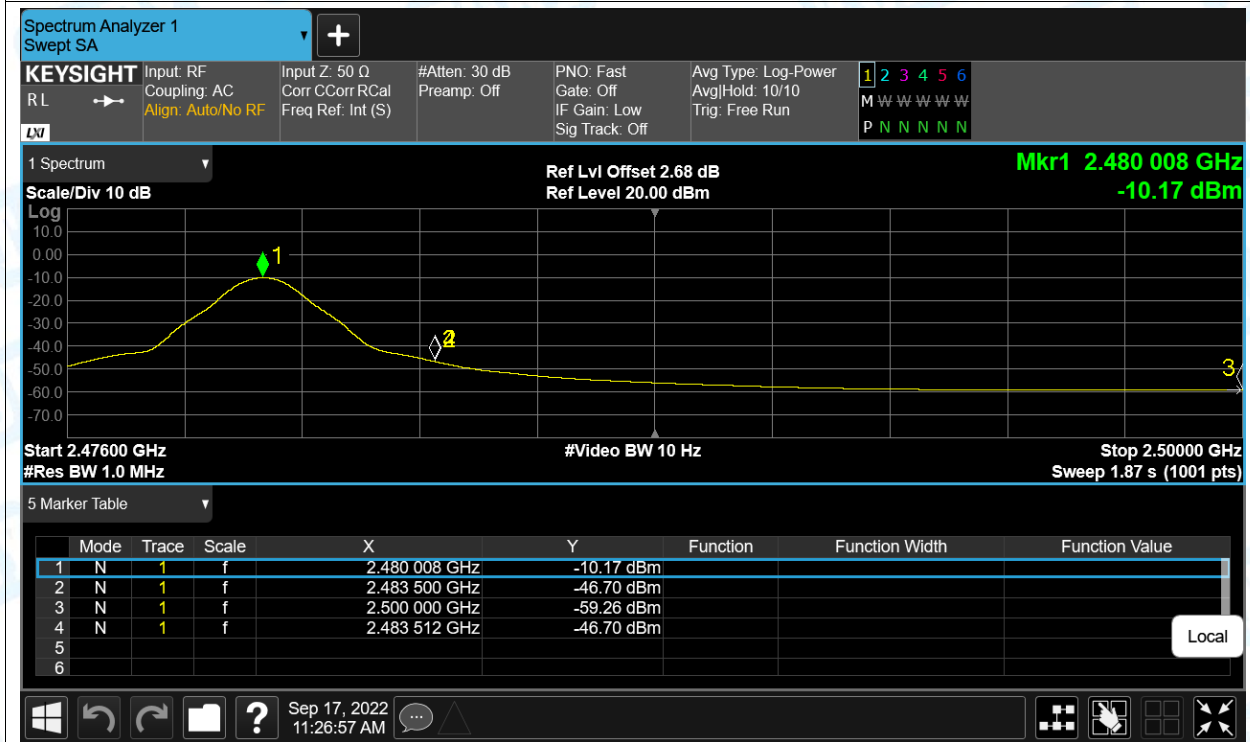
Restrict Band NVNT BLE 2Mbps 2402MHz Ant1 Average



Restrict Band NVNT BLE 2Mbps 2480MHz Ant1 Peak



Restrict Band NVNT BLE 2Mbps 2480MHz Ant1 Average



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