

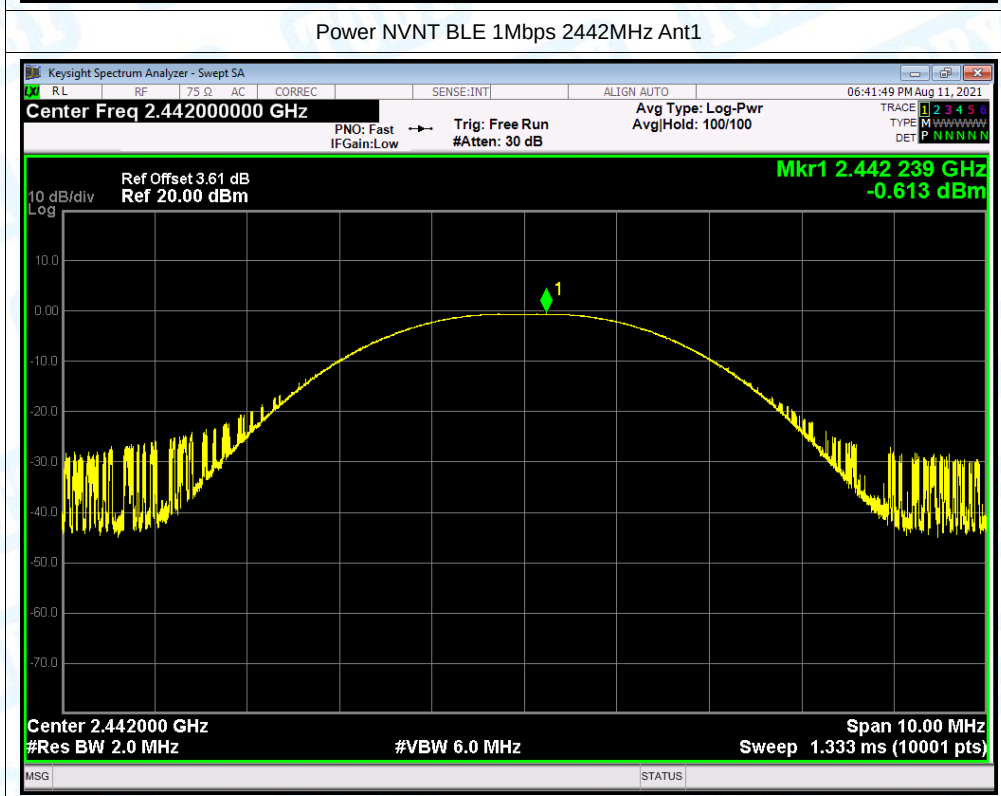
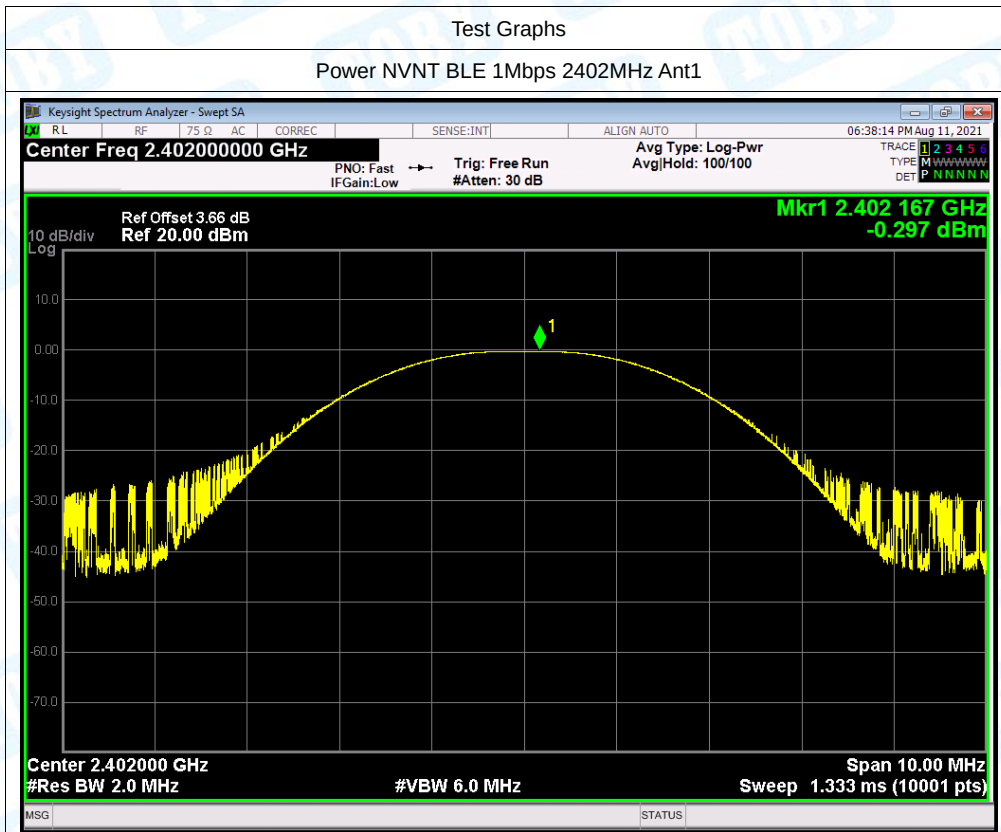
RF Test Data for Bluetooth LE

(Conducted Measurements)

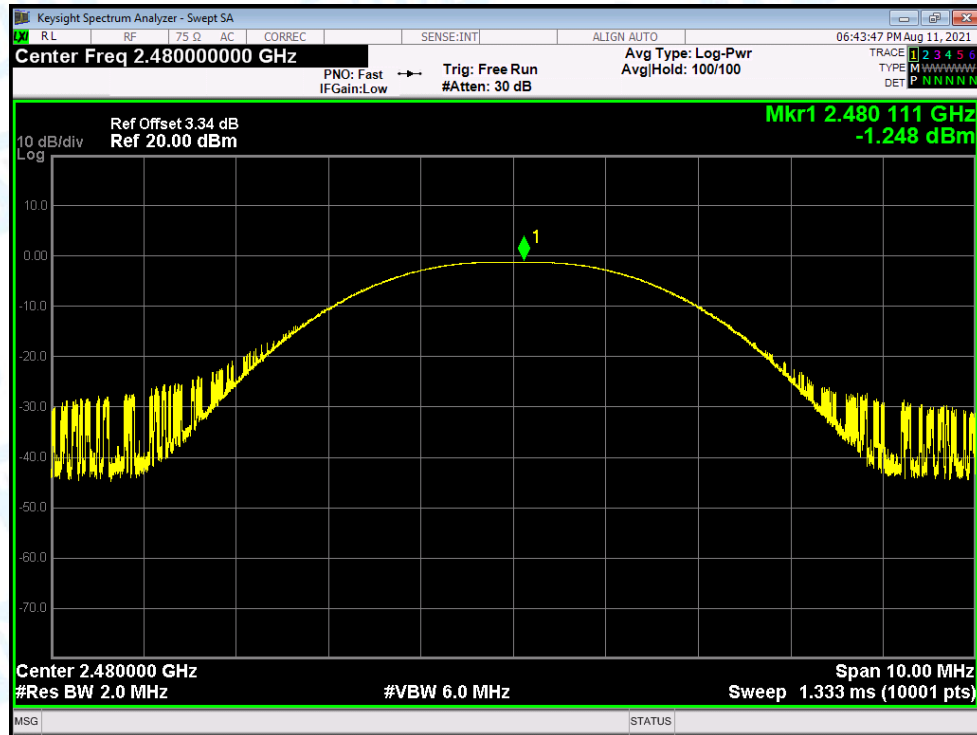
General Description of EUT	
Product Name:	Charging Tripod
Test Model:	3108
Sample ID:	20210729-01-2#
Environmental Conditions	
Temperature:	23.8℃
Relative Humidity:	48%
Test Voltage:	DC 5V
Test Engineer:	HeJingchang
Note: For a more detailed features description, please refer to the report TB-FCC183164.	

1.Maximum Conducted Output Power

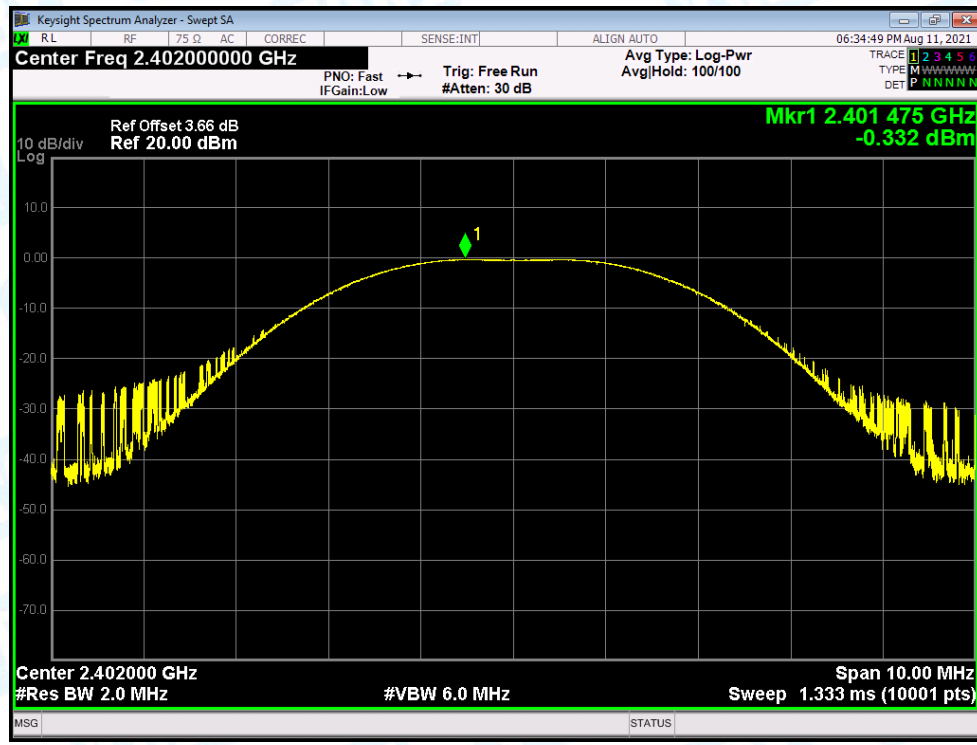
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-0.297	30	Pass
NVNT	BLE 1Mbps	2442	Ant1	-0.613	30	Pass
NVNT	BLE 1Mbps	2480	Ant1	-1.248	30	Pass
NVNT	BLE 2Mbps	2402	Ant1	-0.332	30	Pass
NVNT	BLE 2Mbps	2442	Ant1	-0.641	30	Pass
NVNT	BLE 2Mbps	2480	Ant1	-1.217	30	Pass



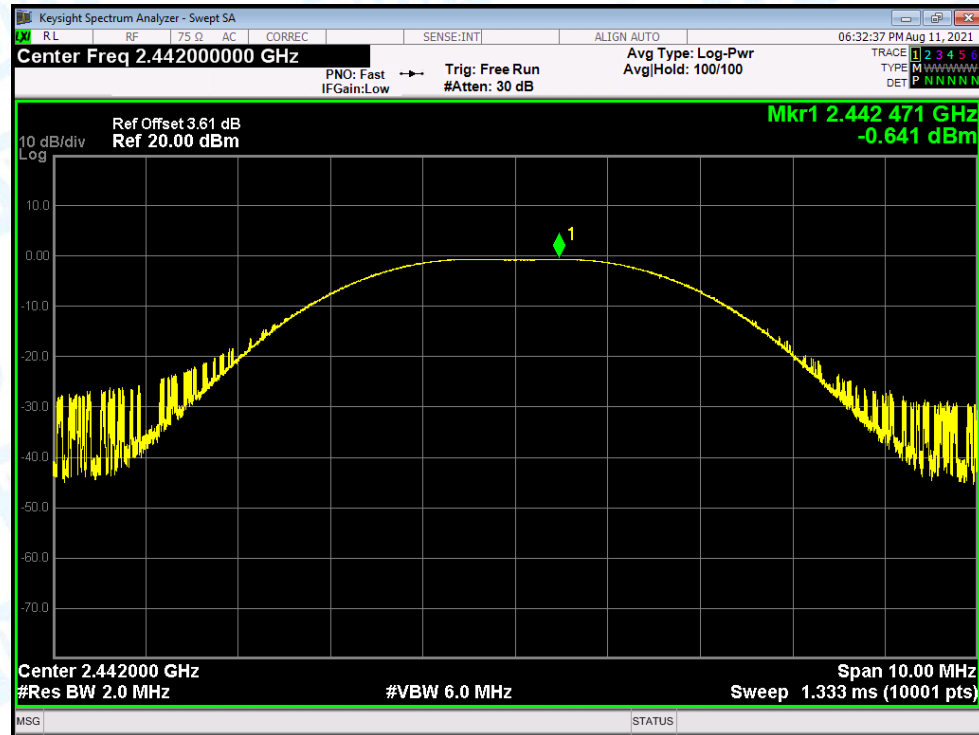
Power NVNT BLE 1Mbps 2480MHz Ant1



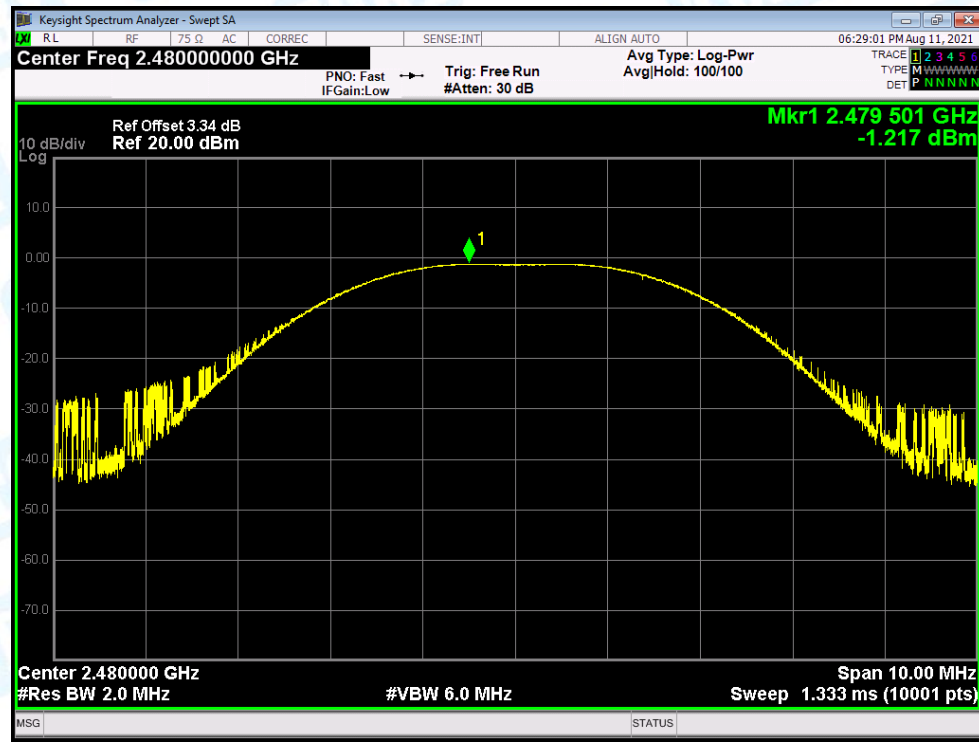
Power NVNT BLE 2Mbps 2402MHz Ant1



Power NVNT BLE 2Mbps 2442MHz Ant1



Power NVNT BLE 2Mbps 2480MHz Ant1

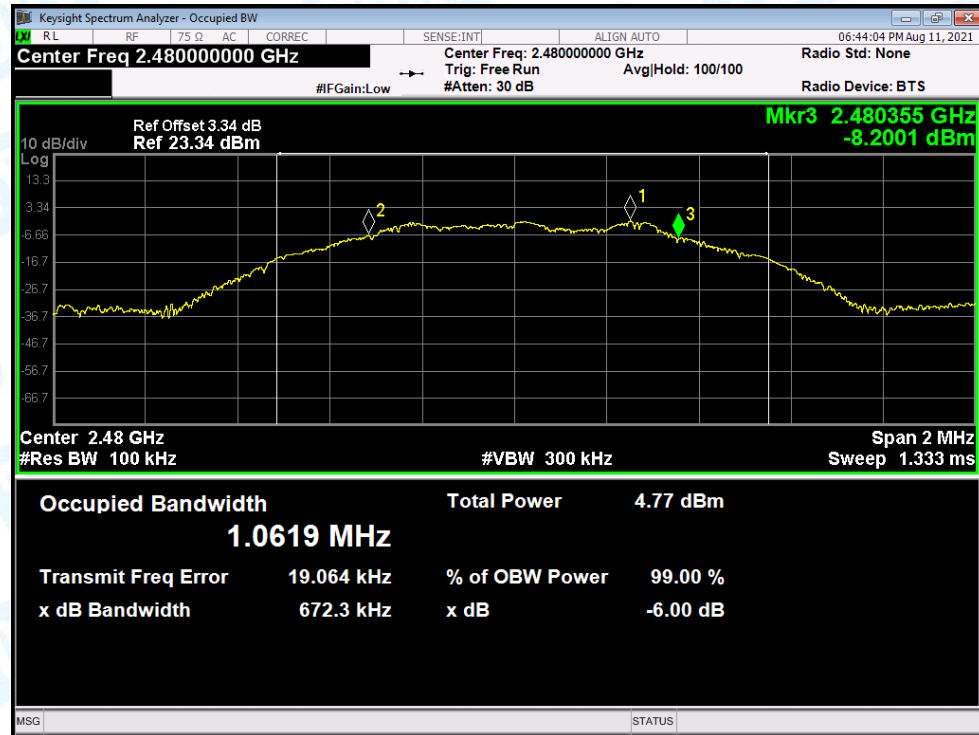


2.-6dB Bandwidth

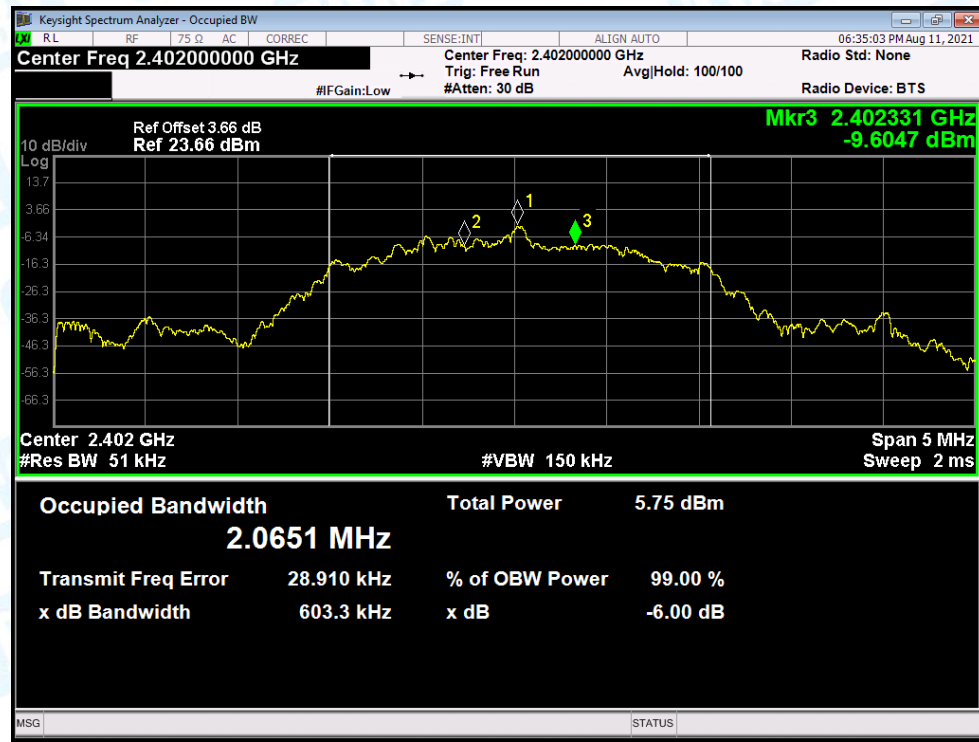
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.68	0.5	Pass
NVNT	BLE 1Mbps	2442	Ant1	0.695	0.5	Pass
NVNT	BLE 1Mbps	2480	Ant1	0.672	0.5	Pass
NVNT	BLE 2Mbps	2402	Ant1	0.603	0.5	Pass
NVNT	BLE 2Mbps	2442	Ant1	0.58	0.5	Pass
NVNT	BLE 2Mbps	2480	Ant1	0.586	0.5	Pass



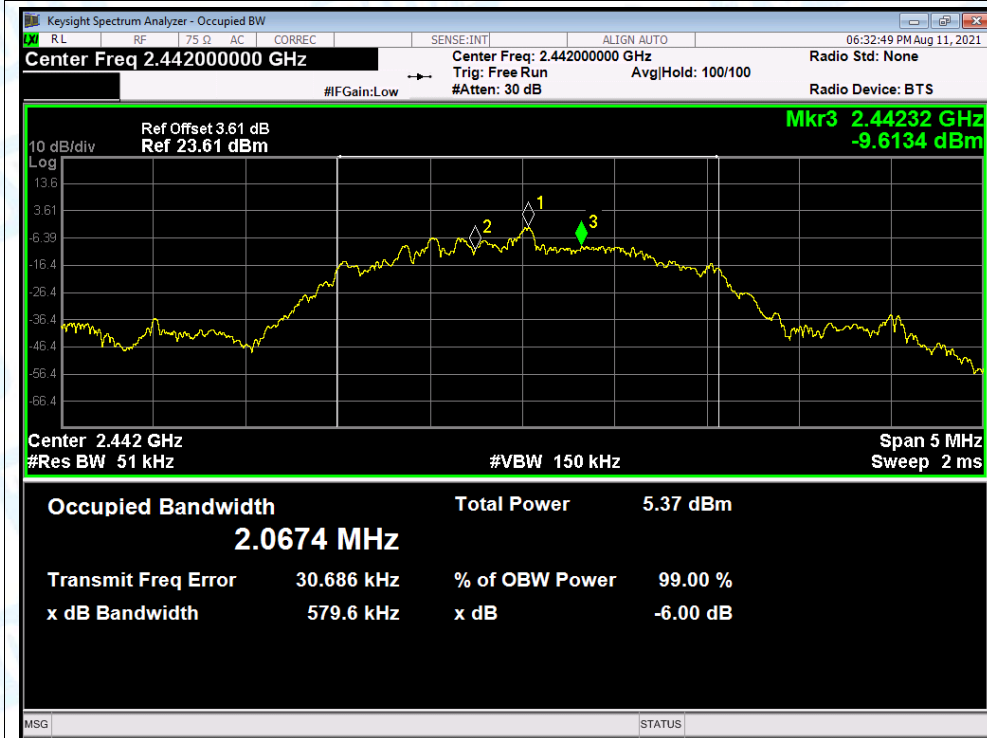
-6dB Bandwidth NVNT BLE 1Mbps 2480MHz Ant1



-6dB Bandwidth NVNT BLE 2Mbps 2402MHz Ant1



-6dB Bandwidth NVNT BLE 2Mbps 2442MHz Ant1



-6dB Bandwidth NVNT BLE 2Mbps 2480MHz Ant1

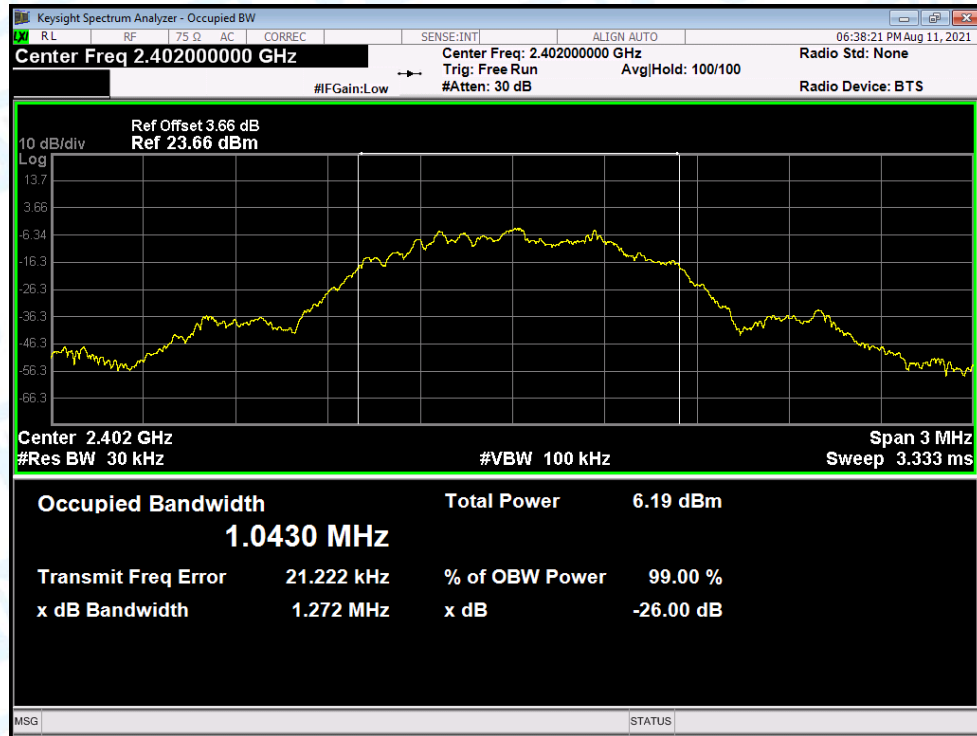


3.Occupied Channel Bandwidth

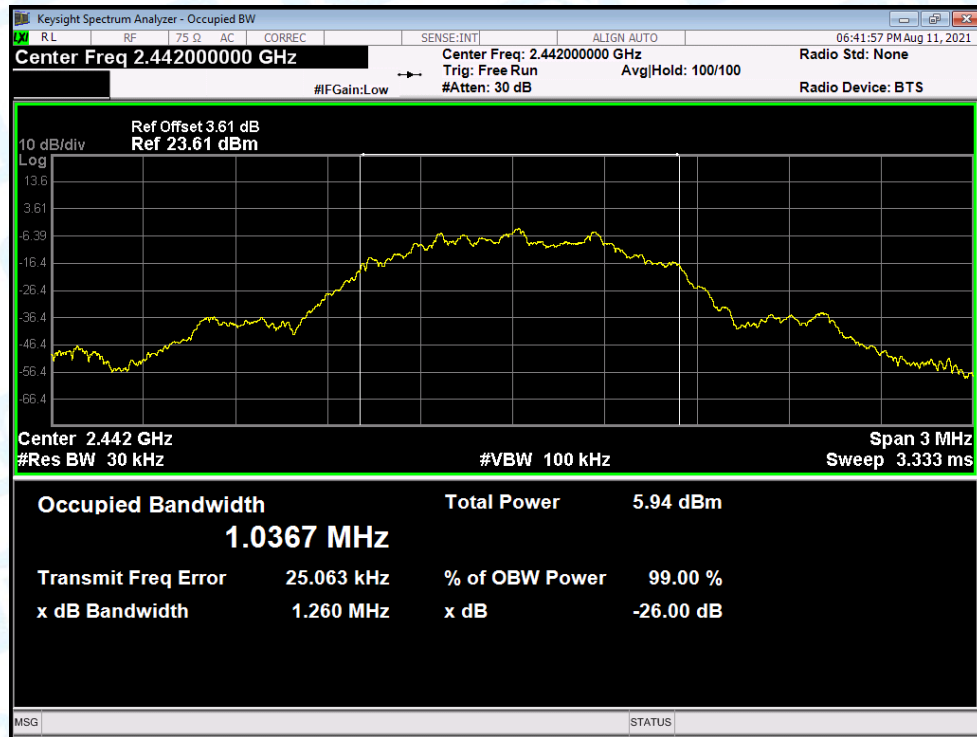
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1Mbps	2402	Ant1	1.043012661
NVNT	BLE 1Mbps	2442	Ant1	1.03672679
NVNT	BLE 1Mbps	2480	Ant1	1.045182548
NVNT	BLE 2Mbps	2402	Ant1	2.063742862
NVNT	BLE 2Mbps	2442	Ant1	2.068005175
NVNT	BLE 2Mbps	2480	Ant1	2.054126905

Test Graphs

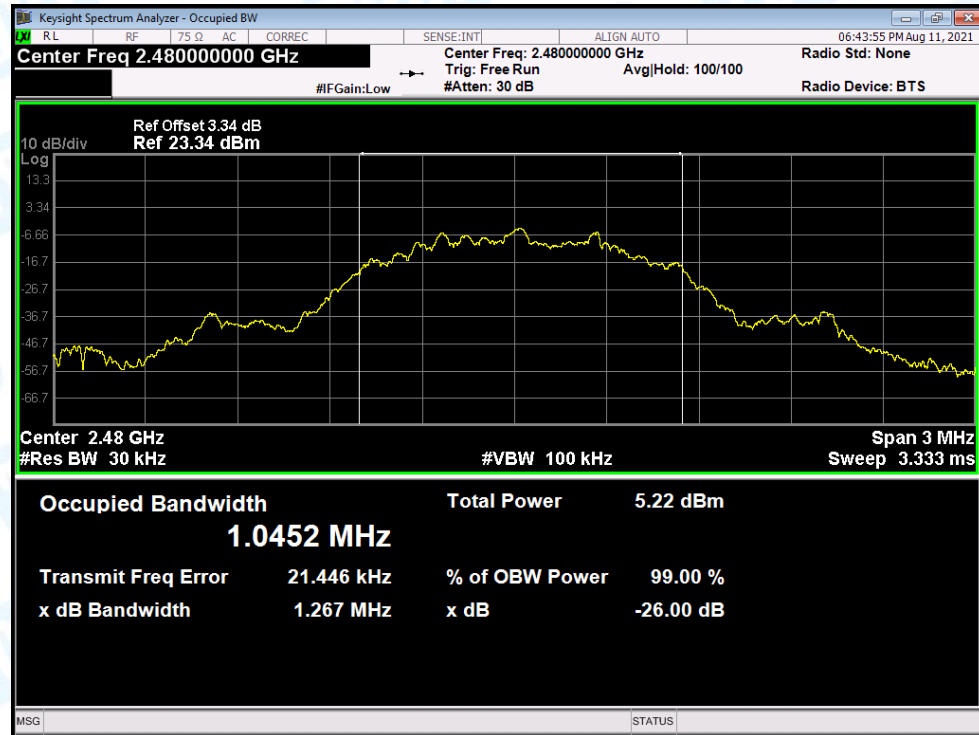
OBW NVNT BLE 1Mbps 2402MHz Ant1



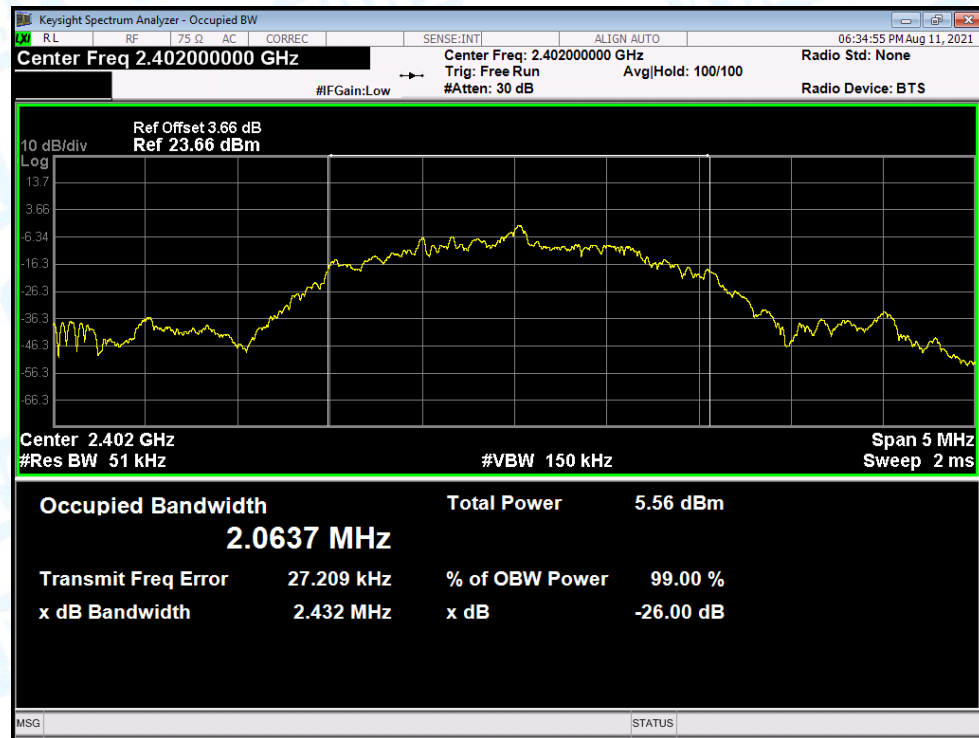
OBW NVNT BLE 1Mbps 2442MHz Ant1



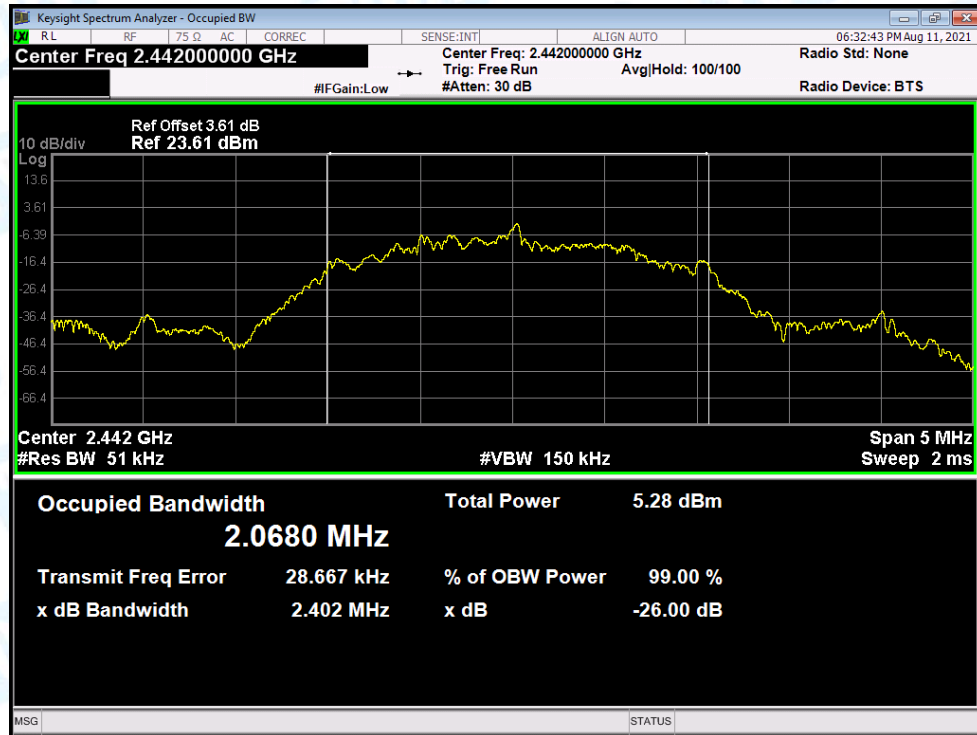
OBW NVNT BLE 1Mbps 2480MHz Ant1



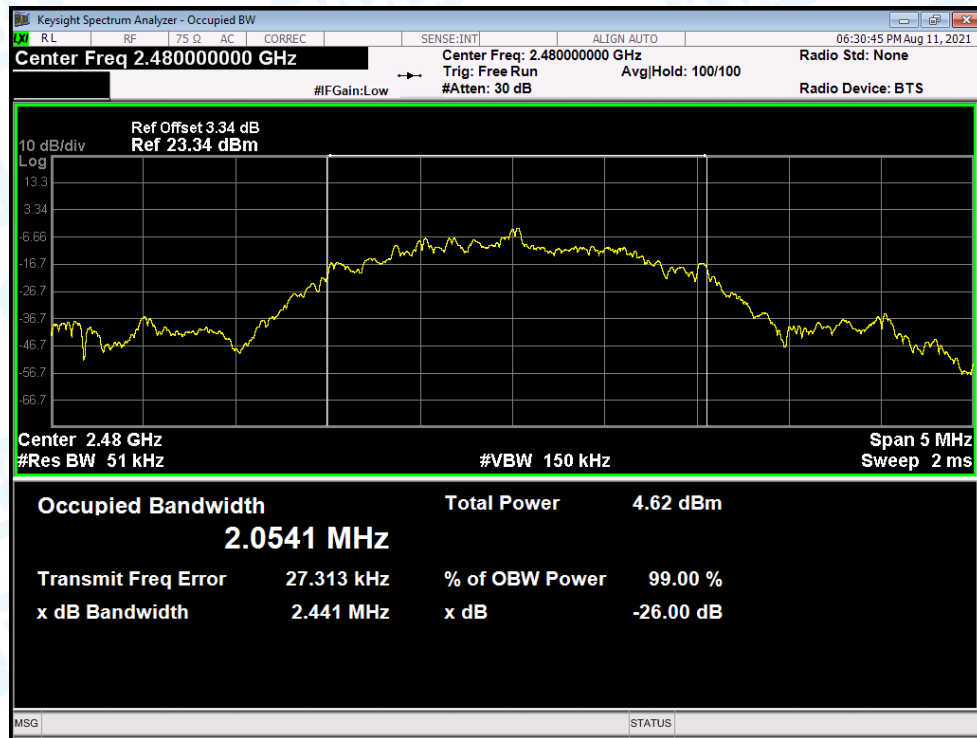
OBW NVNT BLE 2Mbps 2402MHz Ant1



OBW NVNT BLE 2Mbps 2442MHz Ant1

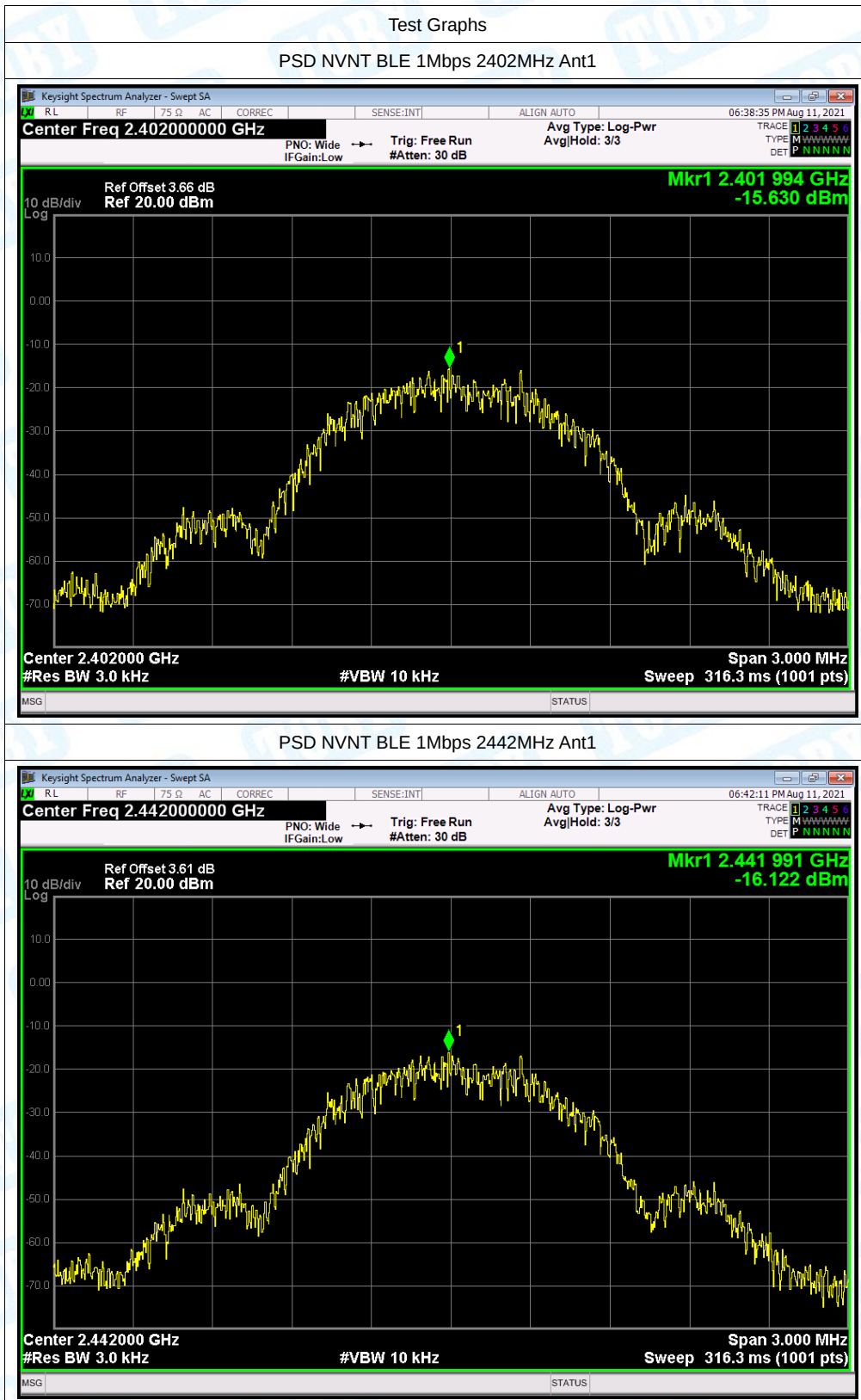


OBW NVNT BLE 2Mbps 2480MHz Ant1

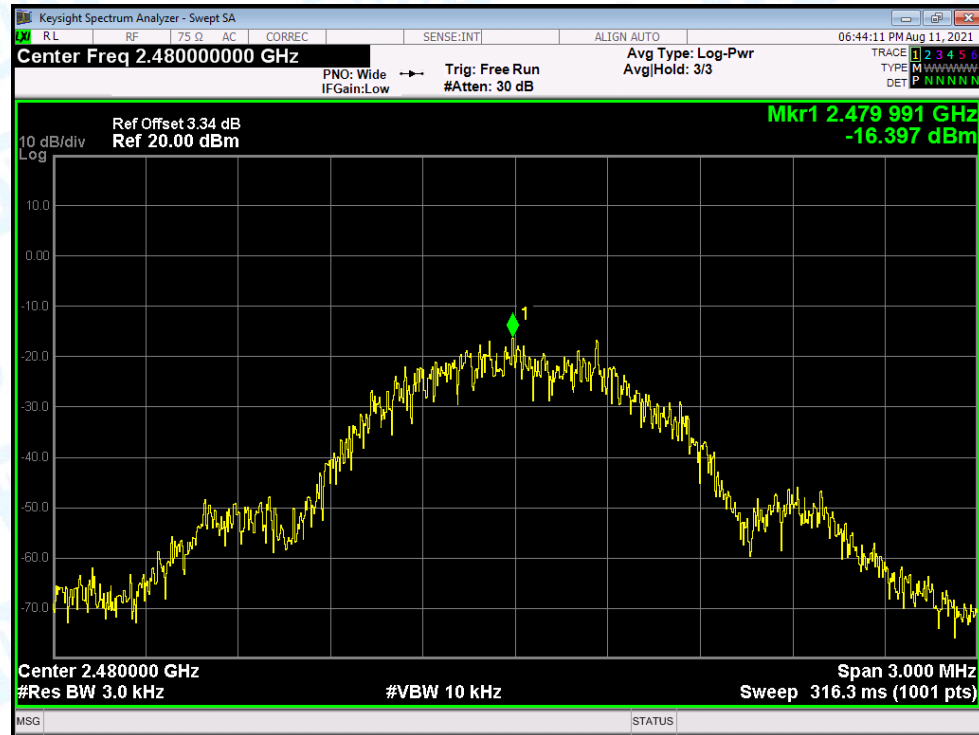


4.Maximum Power Spectral Density Level

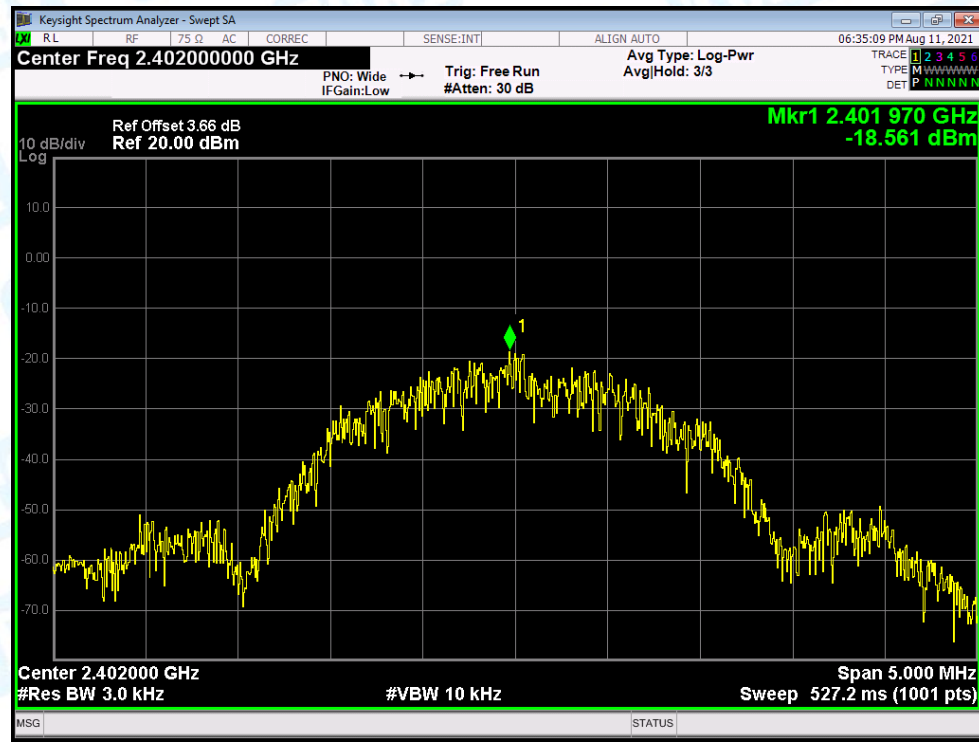
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-15.63	8	Pass
NVNT	BLE 1Mbps	2442	Ant1	-16.122	8	Pass
NVNT	BLE 1Mbps	2480	Ant1	-16.397	8	Pass
NVNT	BLE 2Mbps	2402	Ant1	-18.561	8	Pass
NVNT	BLE 2Mbps	2442	Ant1	-19.379	8	Pass
NVNT	BLE 2Mbps	2480	Ant1	-19.382	8	Pass

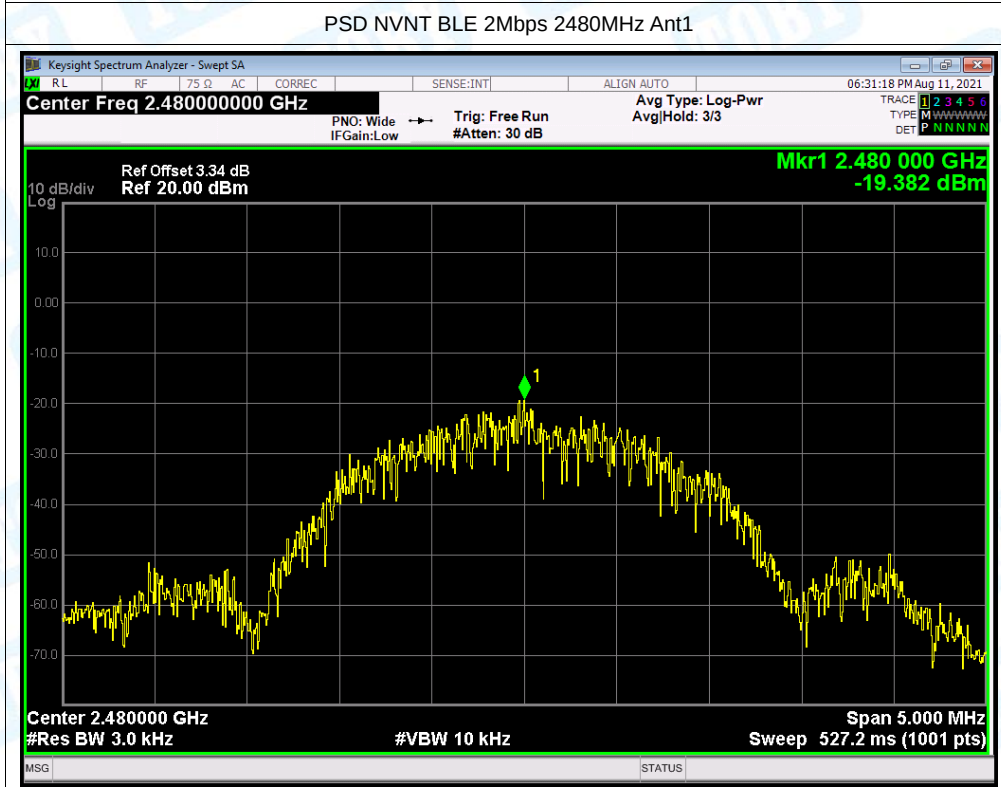
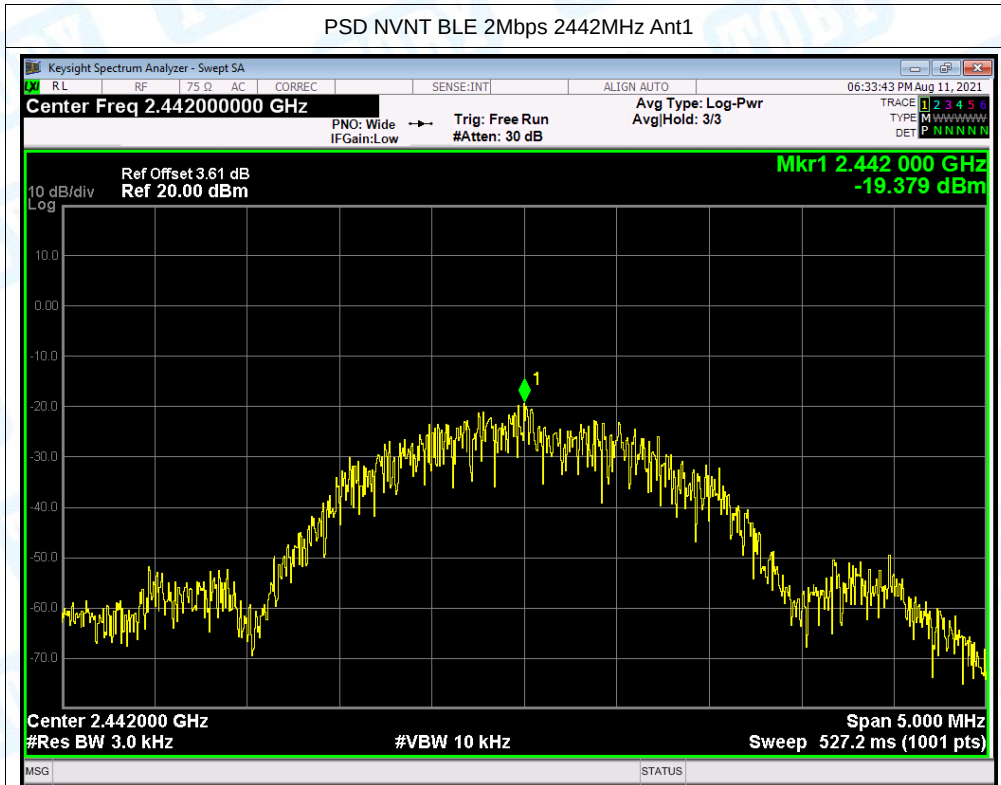


PSD NVNT BLE 1Mbps 2480MHz Ant1



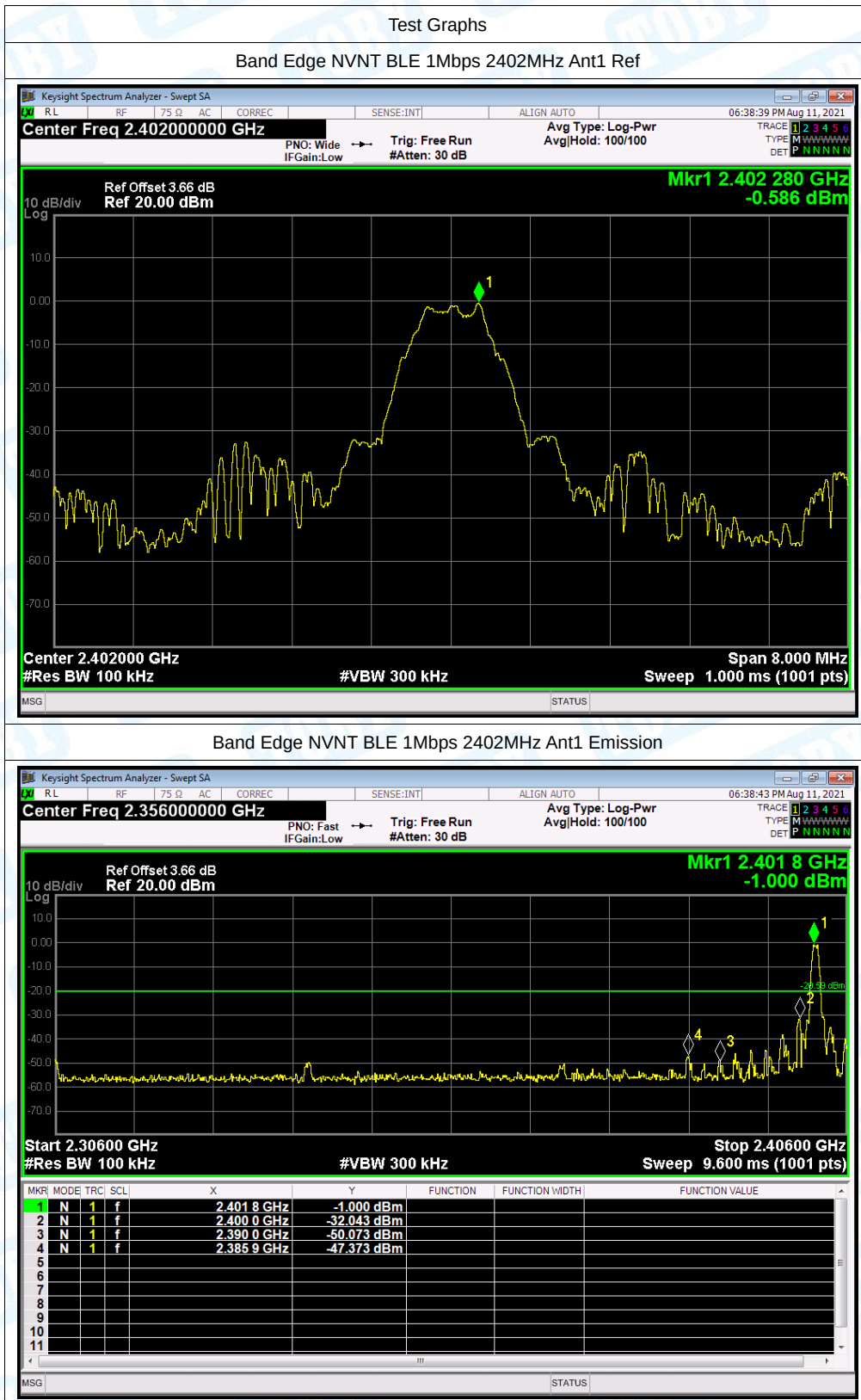
PSD NVNT BLE 2Mbps 2402MHz Ant1





5.Band Edge

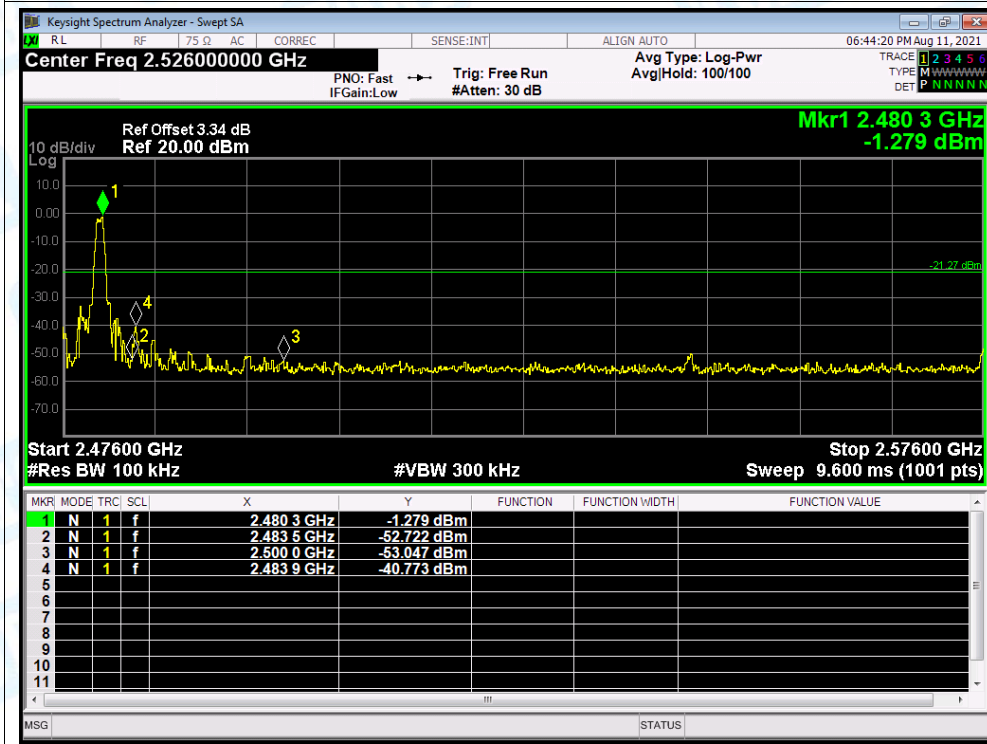
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-46.78	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-39.5	-20	Pass
NVNT	BLE 2Mbps	2402	Ant1	-45.6	-20	Pass
NVNT	BLE 2Mbps	2480	Ant1	-39.35	-20	Pass



Band Edge NVNT BLE 1Mbps 2480MHz Ant1 Ref



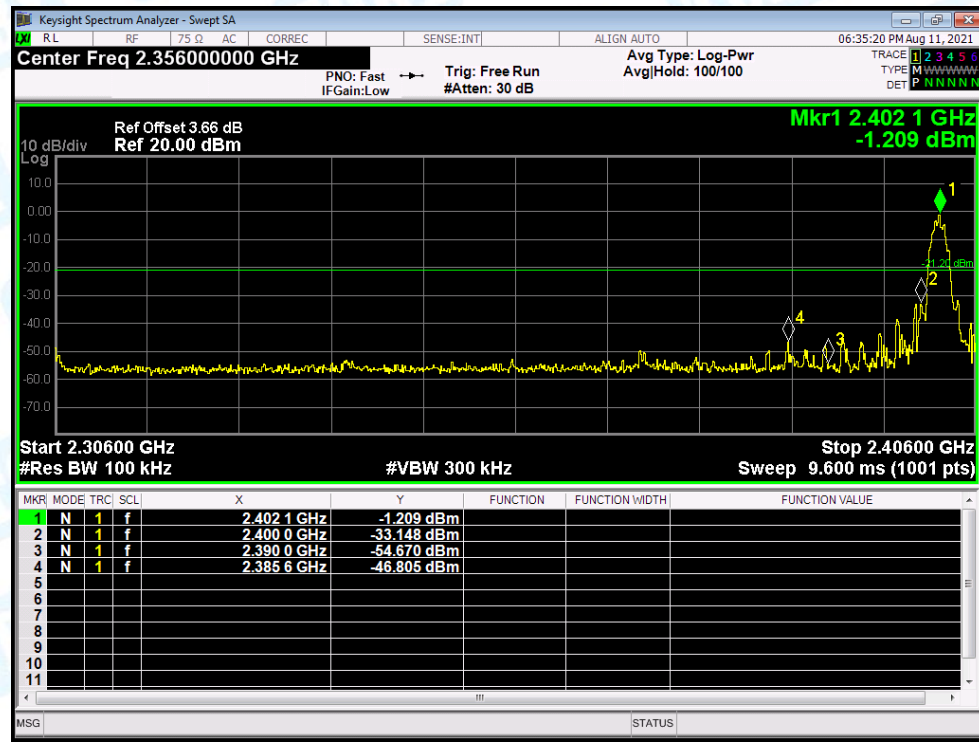
Band Edge NVNT BLE 1Mbps 2480MHz Ant1 Emission



Band Edge NVNT BLE 2Mbps 2402MHz Ant1 Ref



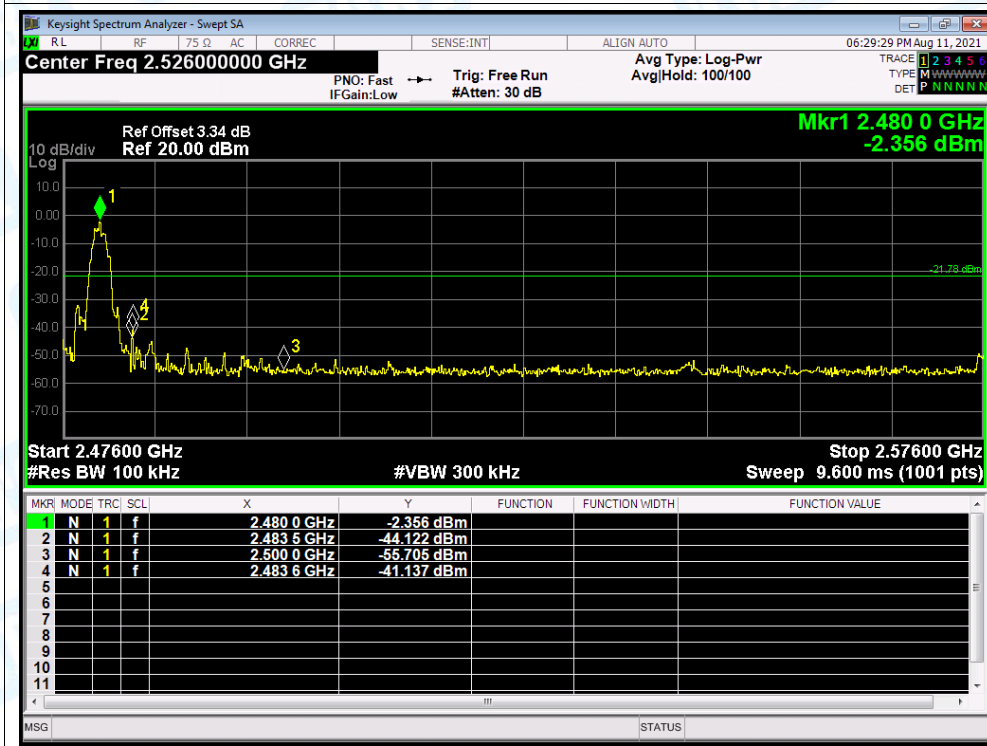
Band Edge NVNT BLE 2Mbps 2402MHz Ant1 Emission



Band Edge NVNT BLE 2Mbps 2480MHz Ant1 Ref

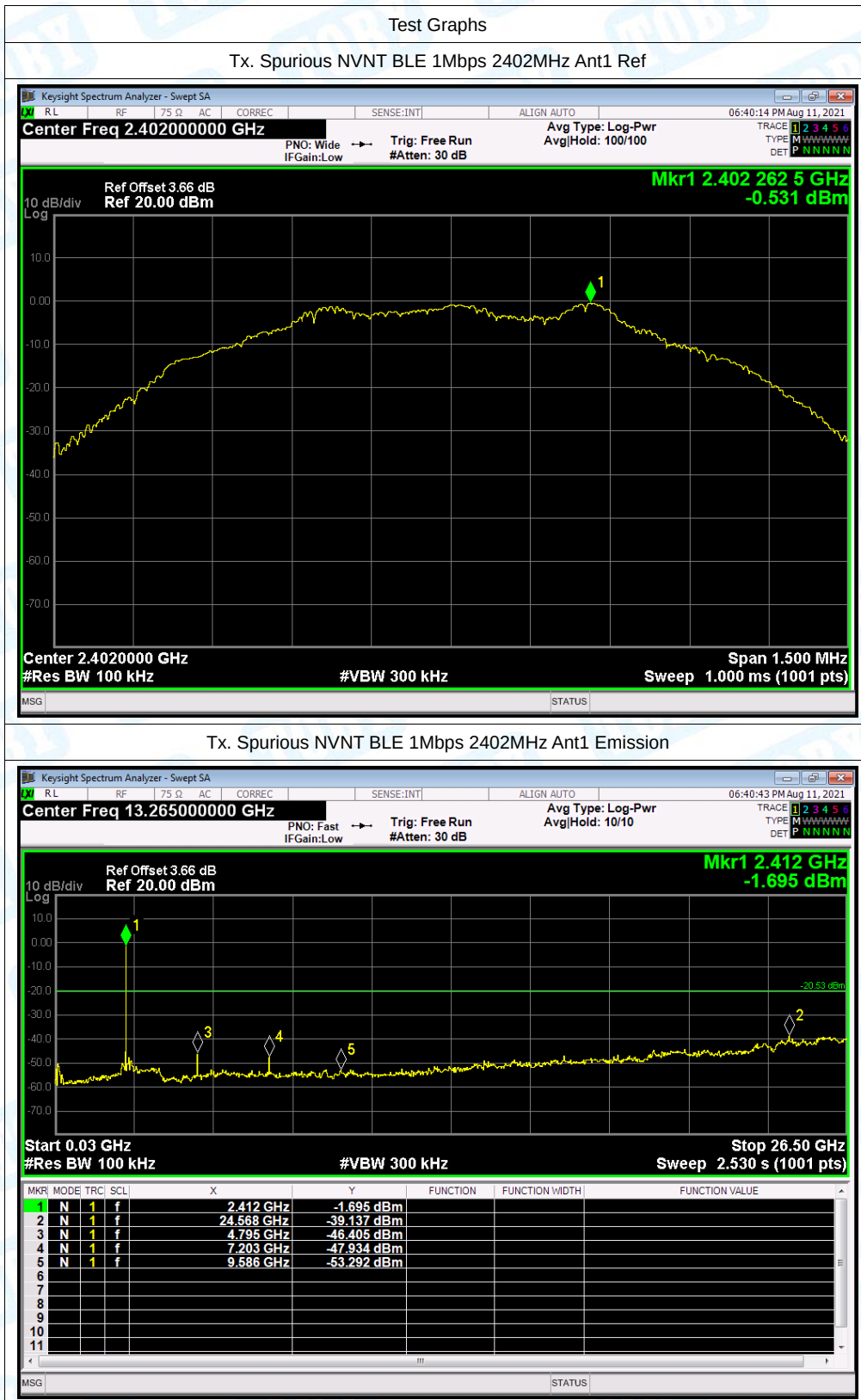


Band Edge NVNT BLE 2Mbps 2480MHz Ant1 Emission



6. Conducted RF Spurious Emission

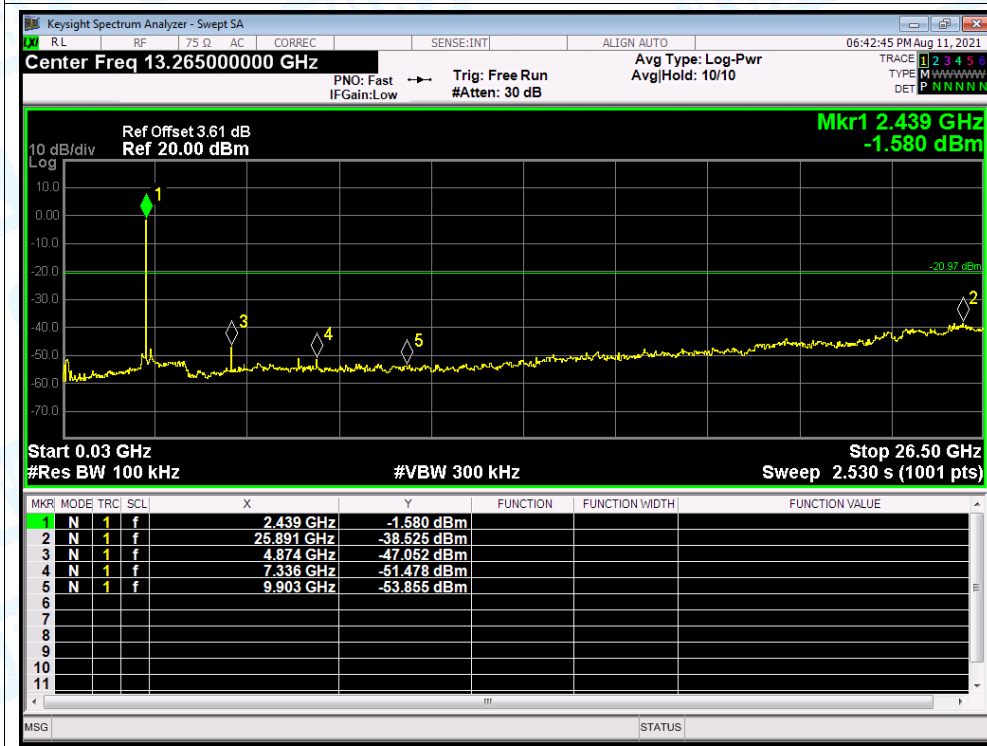
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-38.6	-20	Pass
NVNT	BLE 1Mbps	2442	Ant1	-37.56	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-37.87	-20	Pass
NVNT	BLE 2Mbps	2402	Ant1	-37.29	-20	Pass
NVNT	BLE 2Mbps	2442	Ant1	-36.6	-20	Pass
NVNT	BLE 2Mbps	2480	Ant1	-36.68	-20	Pass



Tx. Spurious NVNT BLE 1Mbps 2442MHz Ant1 Ref



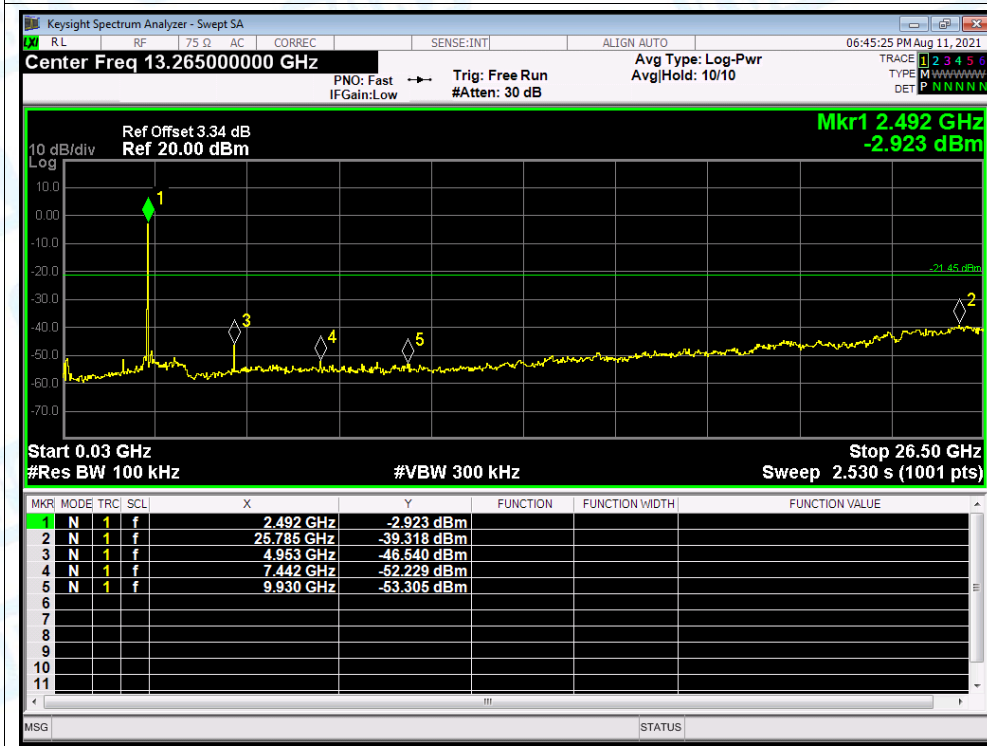
Tx. Spurious NVNT BLE 1Mbps 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Ref



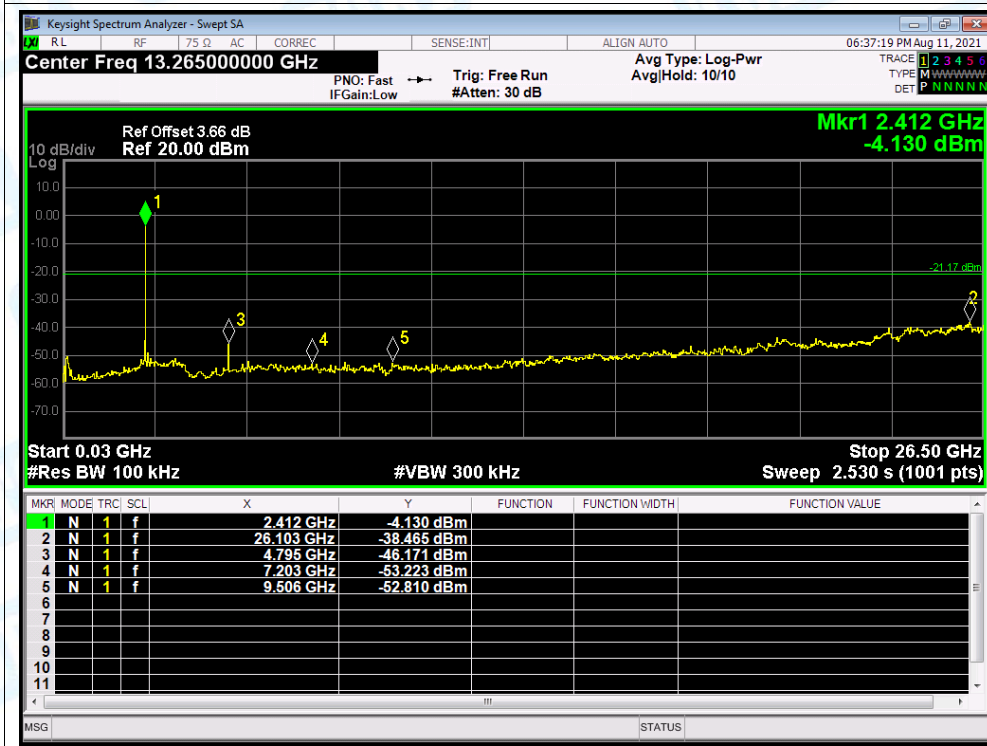
Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Emission



Tx. Spurious NVNT BLE 2Mbps 2402MHz Ant1 Ref



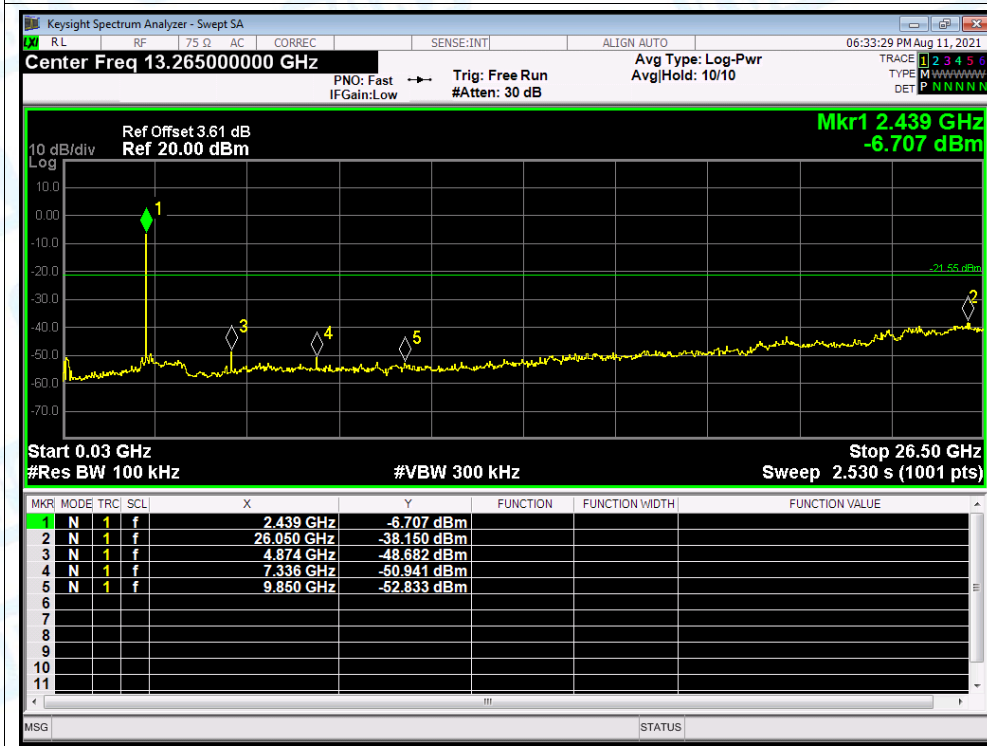
Tx. Spurious NVNT BLE 2Mbps 2402MHz Ant1 Emission



Tx. Spurious NVNT BLE 2Mbps 2442MHz Ant1 Ref



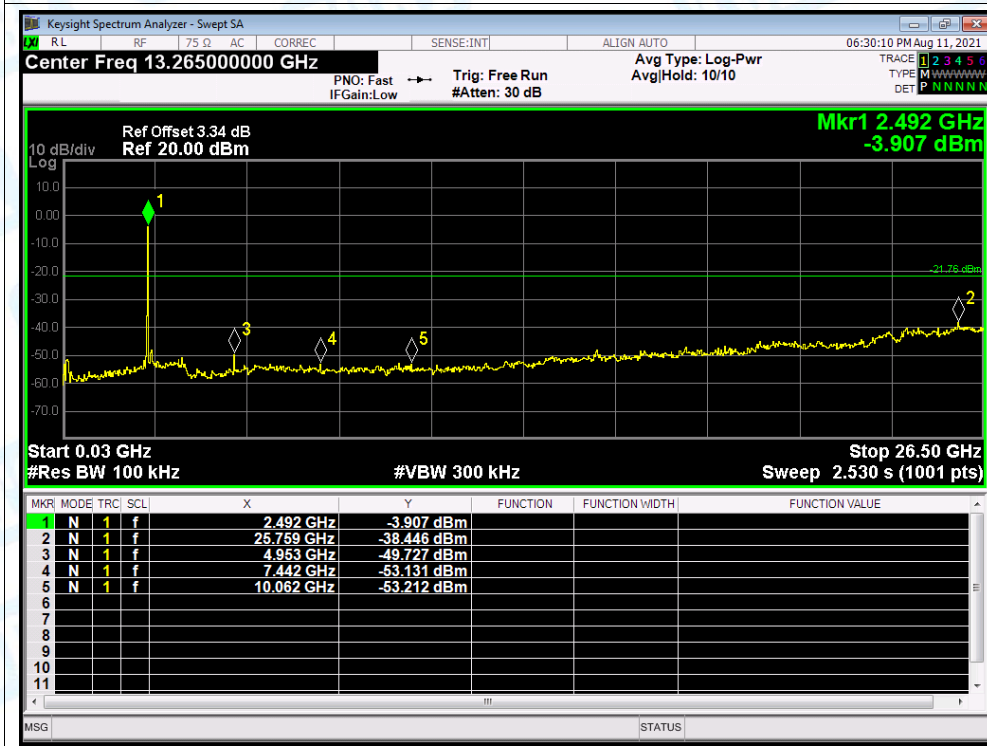
Tx. Spurious NVNT BLE 2Mbps 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 2Mbps 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 2Mbps 2480MHz Ant1 Emission



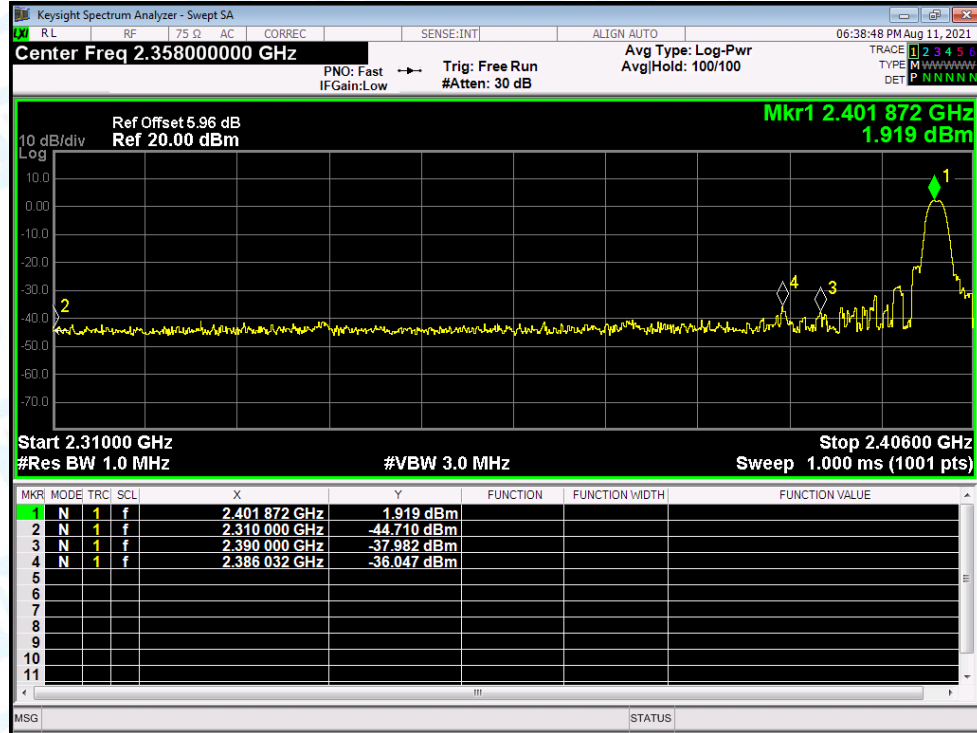
7.Restrict Band

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	-43.11	2.3	54.45	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2310	-54.84	2.3	42.72	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2386.032	-36.04	2.3	61.52	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2386.032	-51.08	2.3	46.48	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-38.24	2.3	59.32	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-54.17	2.3	43.39	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-31.74	2.3	65.82	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-52.82	2.3	44.74	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.872	-30.3	2.3	67.26	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2496.016	-51.3	2.3	46.26	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-43.15	2.3	54.41	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-53.88	2.3	43.68	Average	54	Pass
NVNT	BLE 2Mbps	2402	Ant1	2310	-44.85	2.3	52.71	Peak	74	Pass
NVNT	BLE 2Mbps	2402	Ant1	2310	-54.83	2.3	42.73	Average	54	Pass
NVNT	BLE 2Mbps	2402	Ant1	2385.84	-35.23	2.3	62.33	Peak	74	Pass
NVNT	BLE 2Mbps	2402	Ant1	2369.904	-52.99	2.3	44.57	Average	54	Pass
NVNT	BLE 2Mbps	2402	Ant1	2390	-44.72	2.3	52.84	Peak	74	Pass
NVNT	BLE 2Mbps	2402	Ant1	2390	-54.23	2.3	43.33	Average	54	Pass
NVNT	BLE 2Mbps	2480	Ant1	2483.5	-32.14	2.3	65.42	Peak	74	Pass
NVNT	BLE 2Mbps	2480	Ant1	2483.5	-49.31	2.3	48.25	Average	54	Pass
NVNT	BLE 2Mbps	2480	Ant1	2483.8	-30.02	2.3	67.54	Peak	74	Pass
NVNT	BLE 2Mbps	2480	Ant1	2483.584	-48.41	2.3	49.15	Average	54	Pass

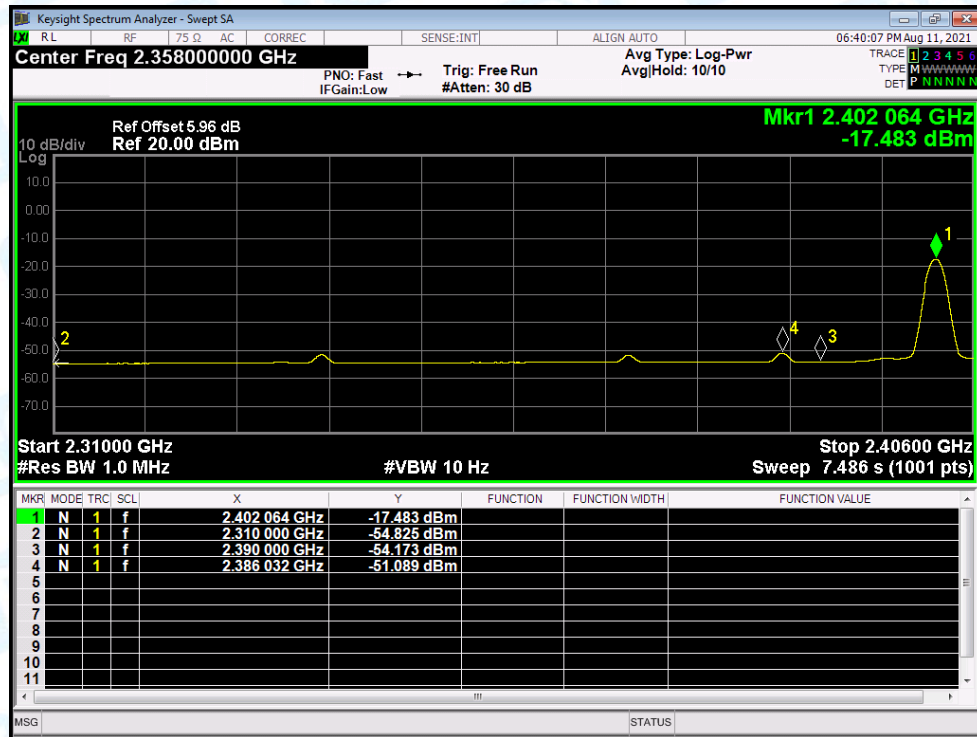
NVNT	BLE 2Mbps	2480	Ant1	2500	-44.03	2.3	53.53	Peak	74	Pass
NVNT	BLE 2Mbps	2480	Ant1	2500	-52.55	2.3	45.01	Average	54	Pass

Test Graphs

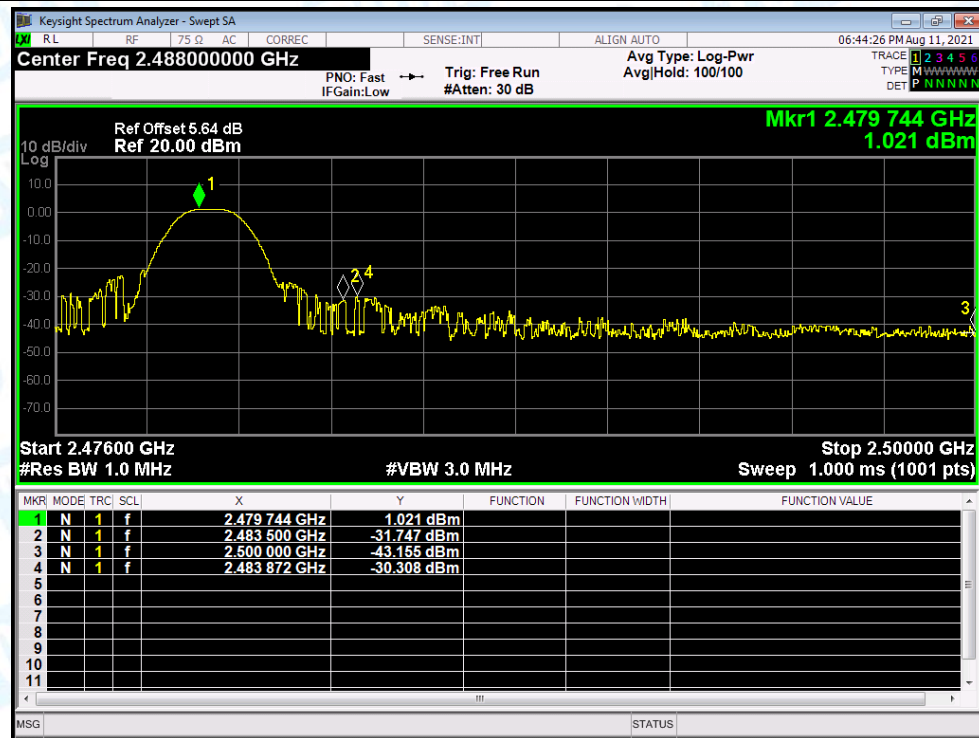
Restrict Band NVNT BLE 1Mbps 2402MHz Ant1 Peak



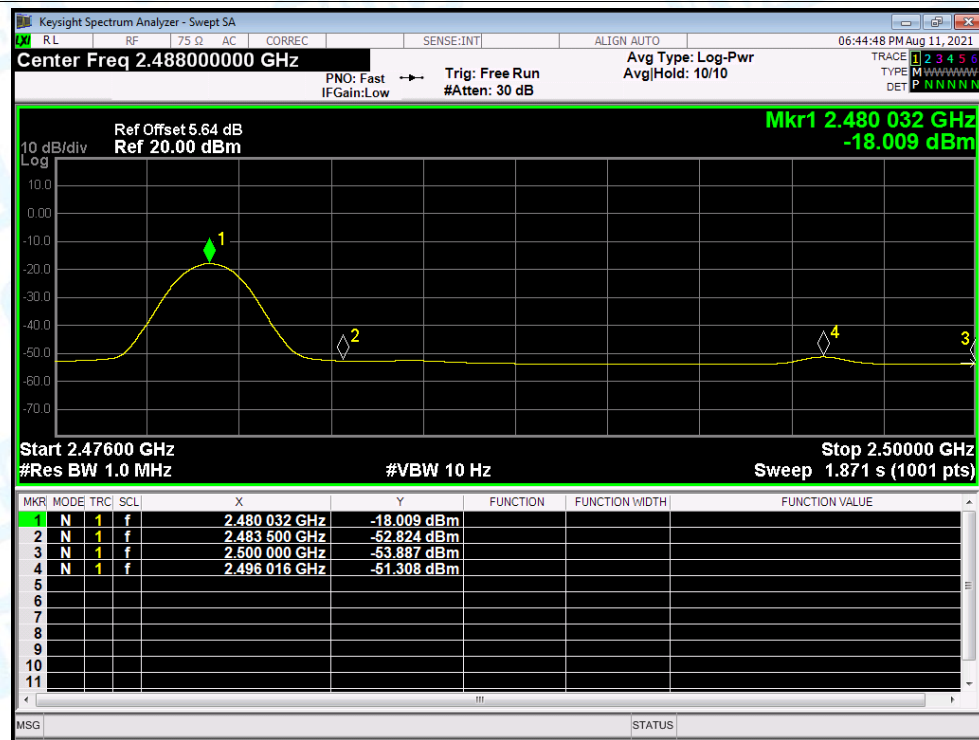
Restrict Band NVNT BLE 1Mbps 2402MHz Ant1 Average



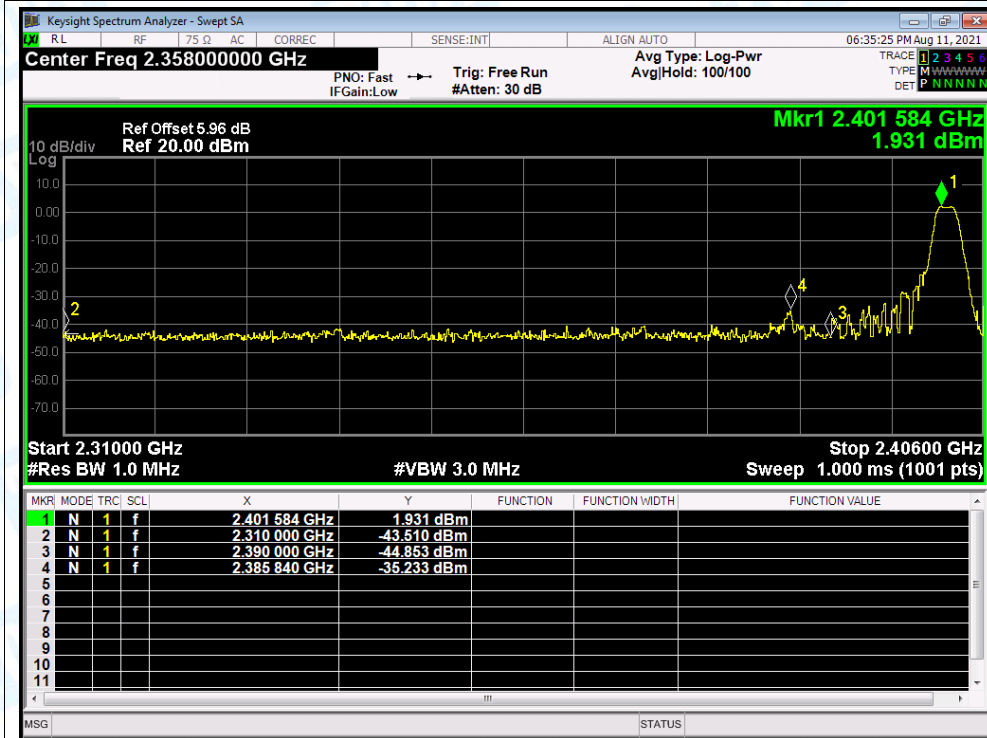
Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Peak



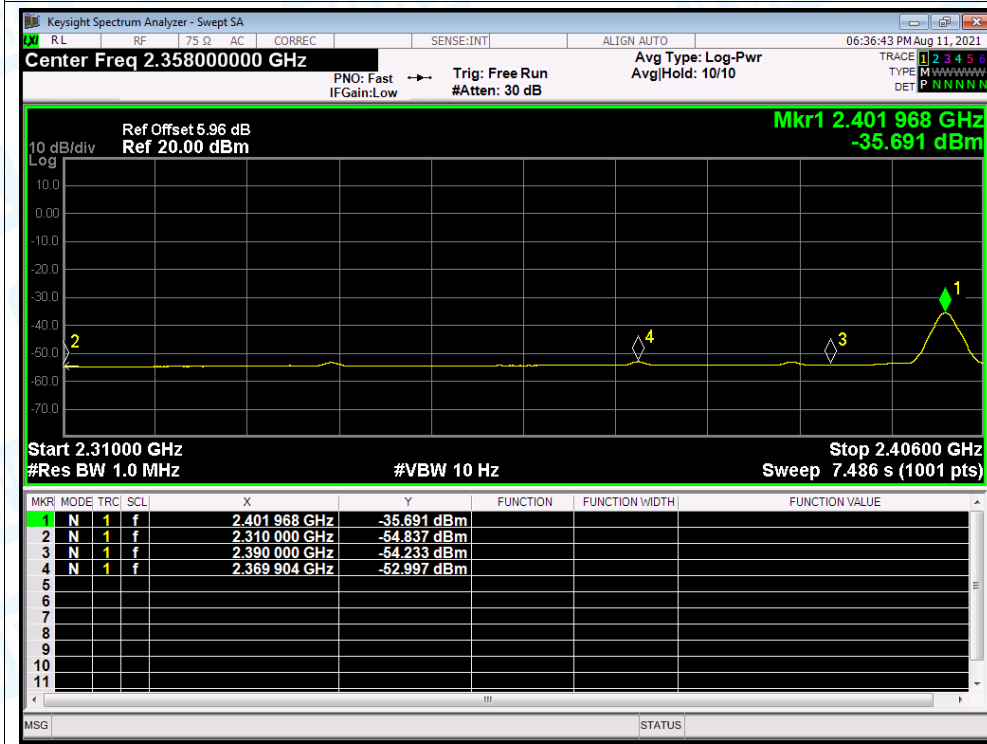
Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Average



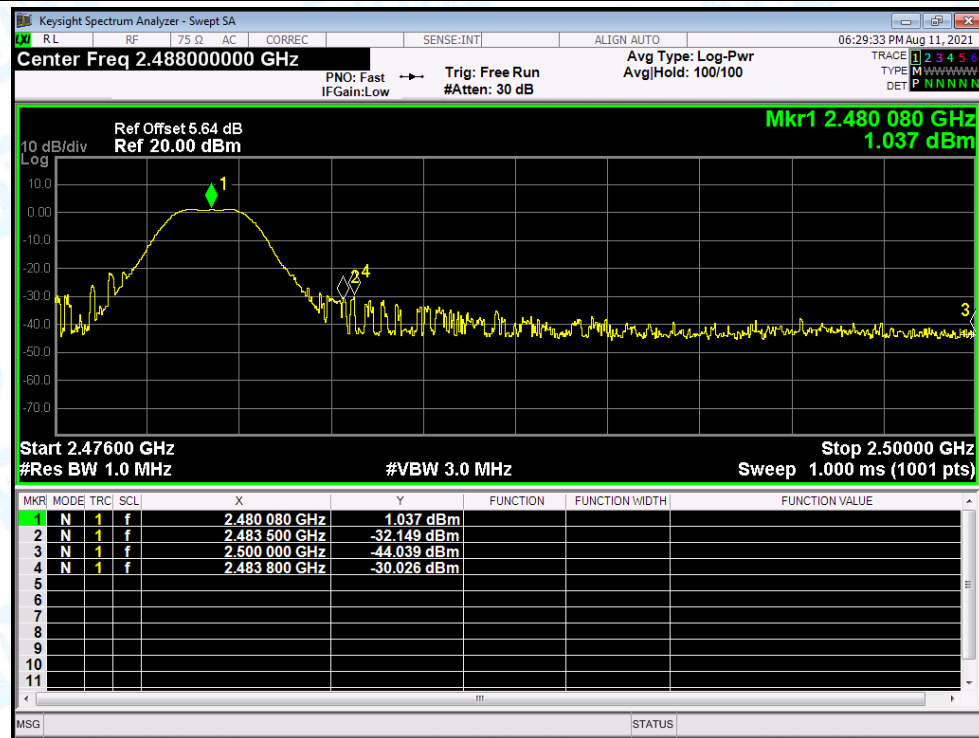
Restrict Band NVNT BLE 2Mbps 2402MHz Ant1 Peak



Restrict Band NVNT BLE 2Mbps 2402MHz Ant1 Average



Restrict Band NVNT BLE 2Mbps 2480MHz Ant1 Peak



Restrict Band NVNT BLE 2Mbps 2480MHz Ant1 Average

