

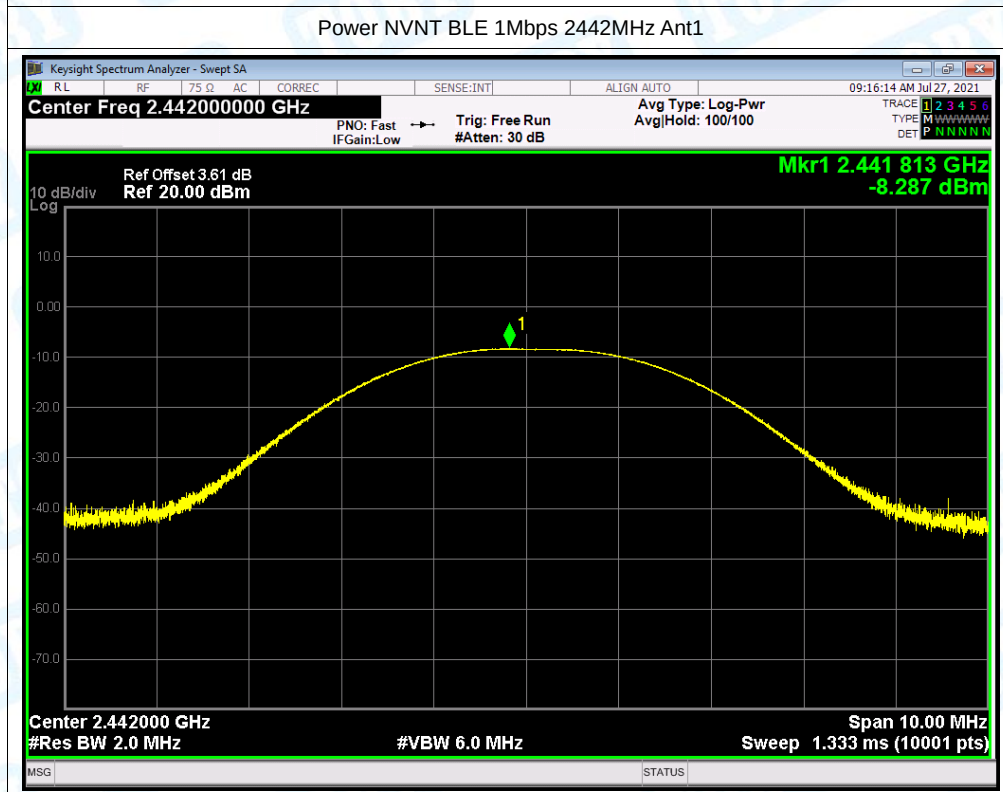
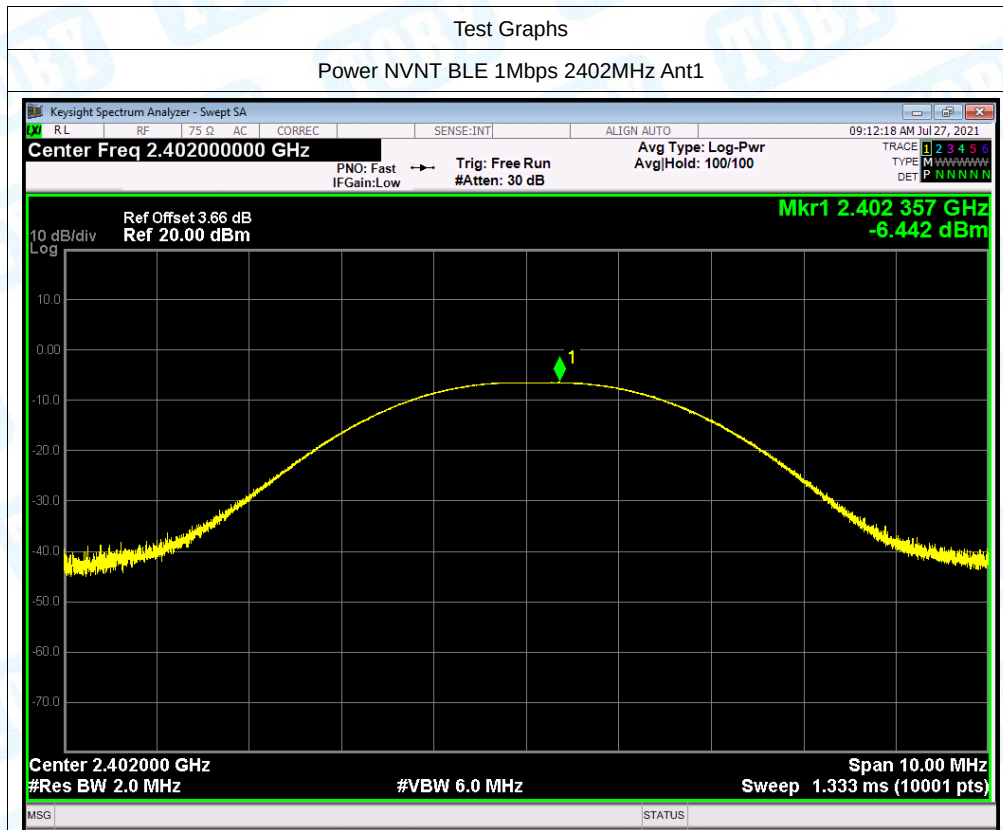
RF Test Data for Bluetooth LE

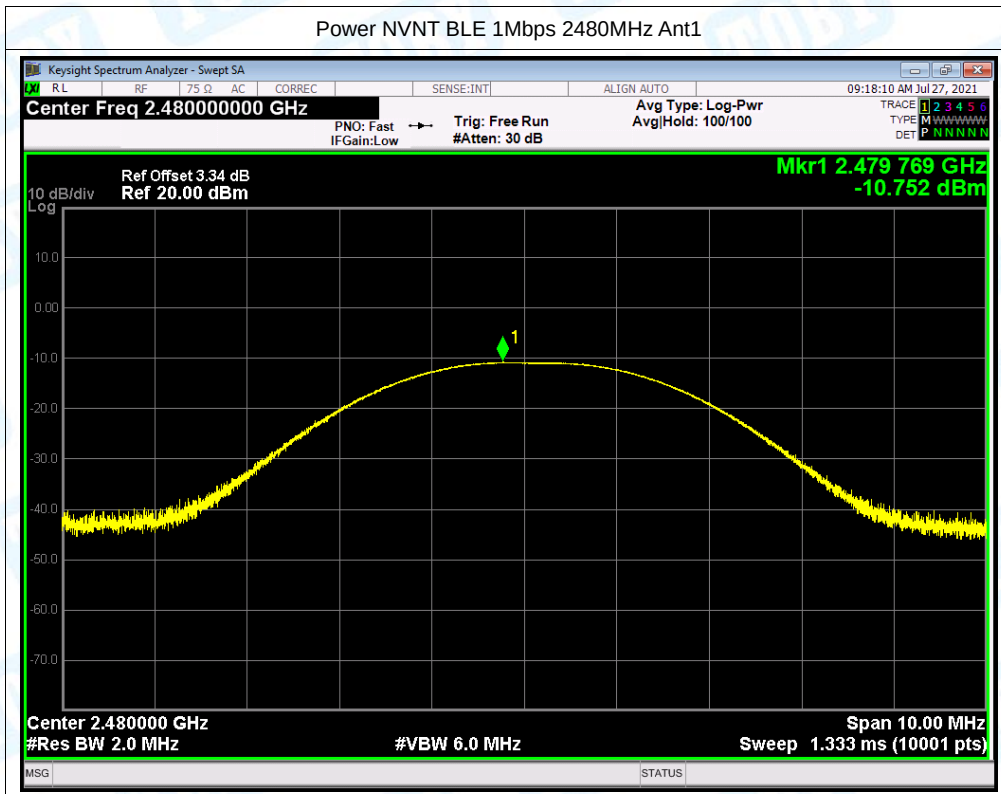
(Conducted Measurements)

General Description of EUT	
Product Name:	Wecount smart home gym
Test Model:	WCT002
Sample ID:	20210610-13-2#
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-RF180812.	

1.Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	-6.442	0	-6.442	30	Pass
NVNT	BLE 1Mbps	2442	-8.287	0	-8.287	30	Pass
NVNT	BLE 1Mbps	2480	-10.752	0	-10.752	30	Pass



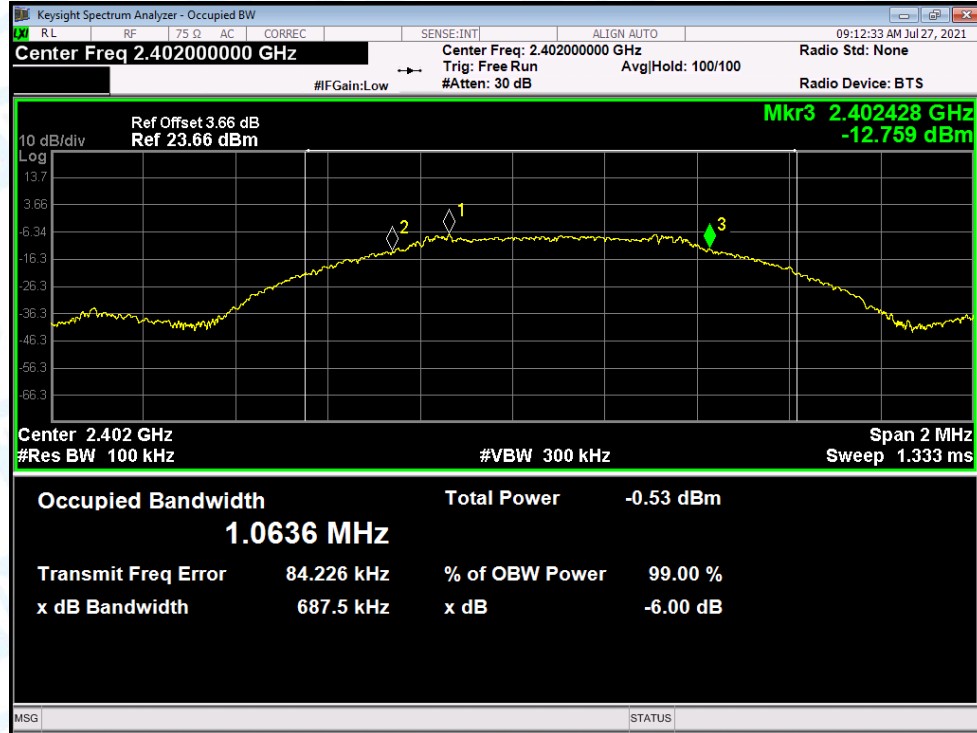


2.-6dB Bandwidth

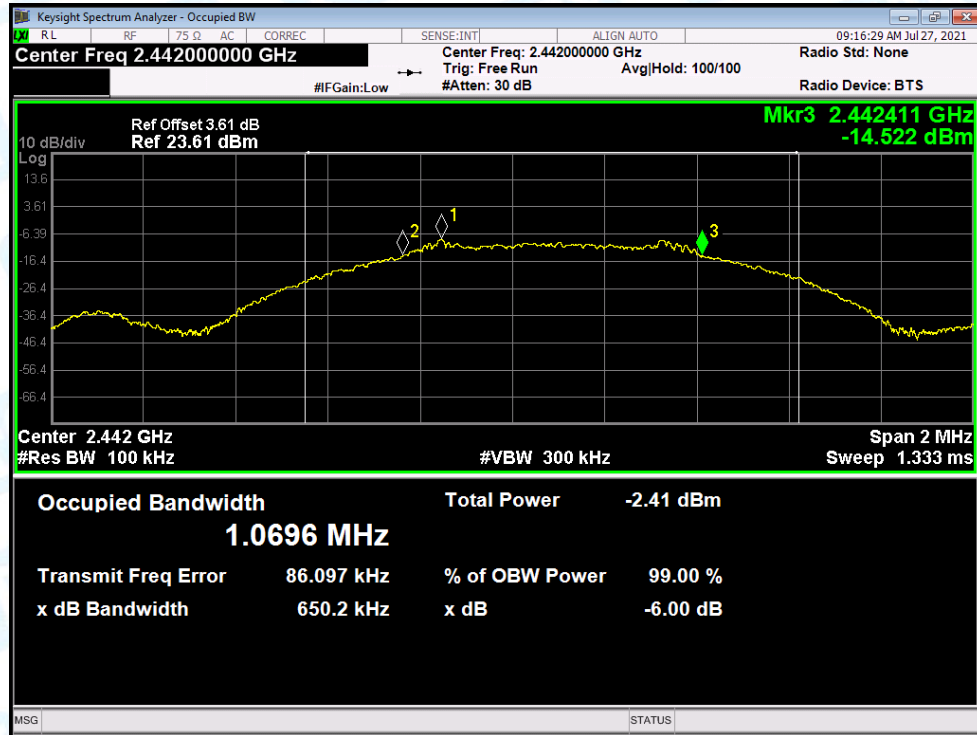
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.688	0.5	Pass
NVNT	BLE 1Mbps	2442	Ant1	0.65	0.5	Pass
NVNT	BLE 1Mbps	2480	Ant1	0.689	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT BLE 1Mbps 2402MHz Ant1



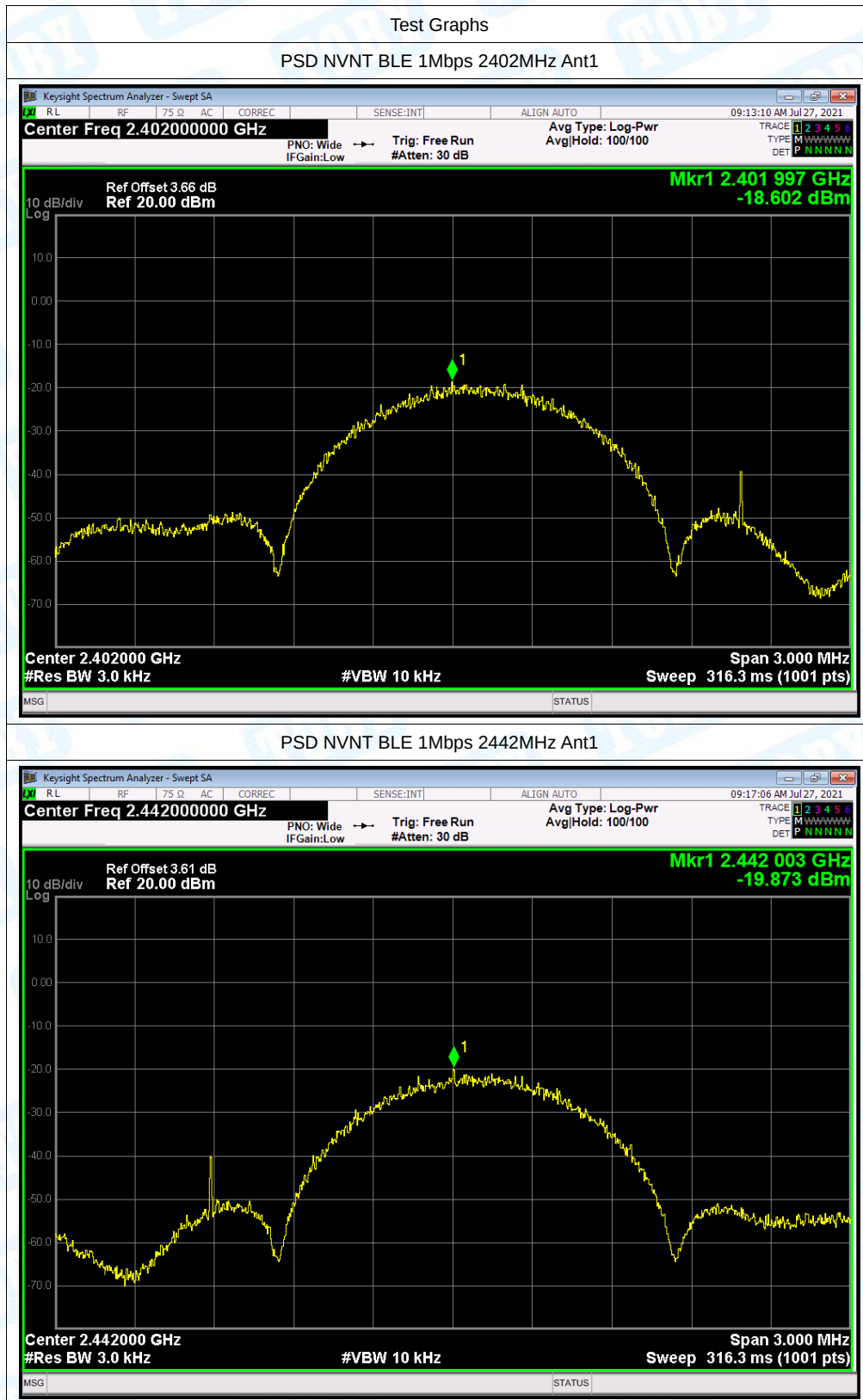
-6dB Bandwidth NVNT BLE 1Mbps 2442MHz Ant1

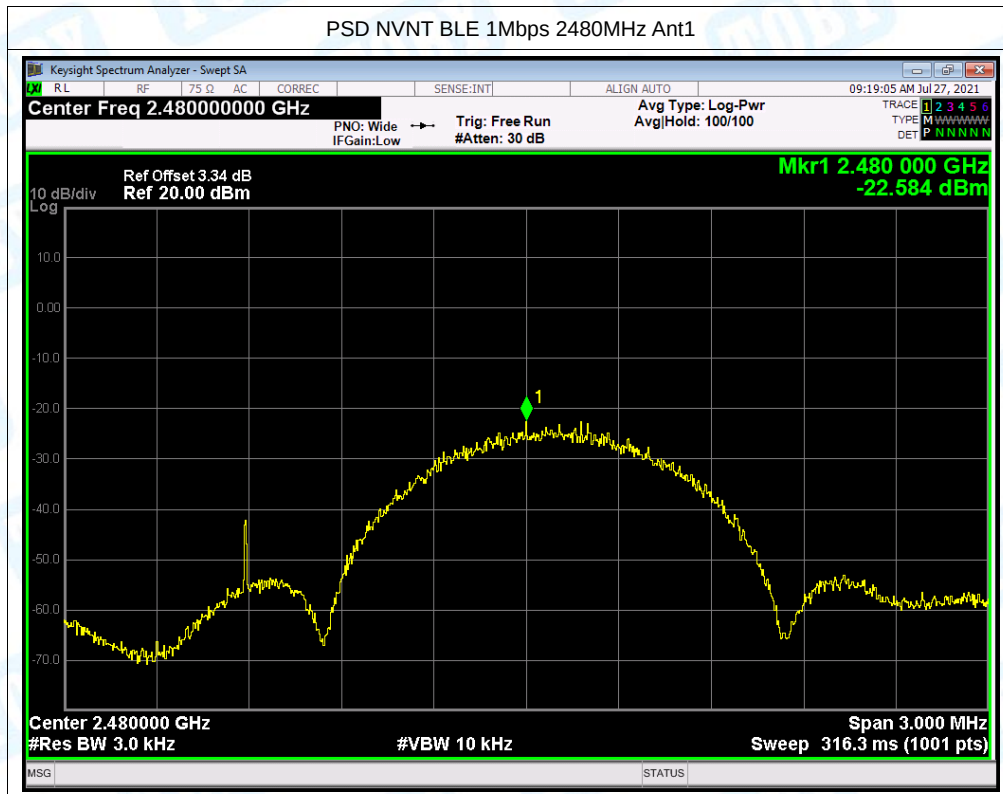




3.Maximum Power Spectral Density Level

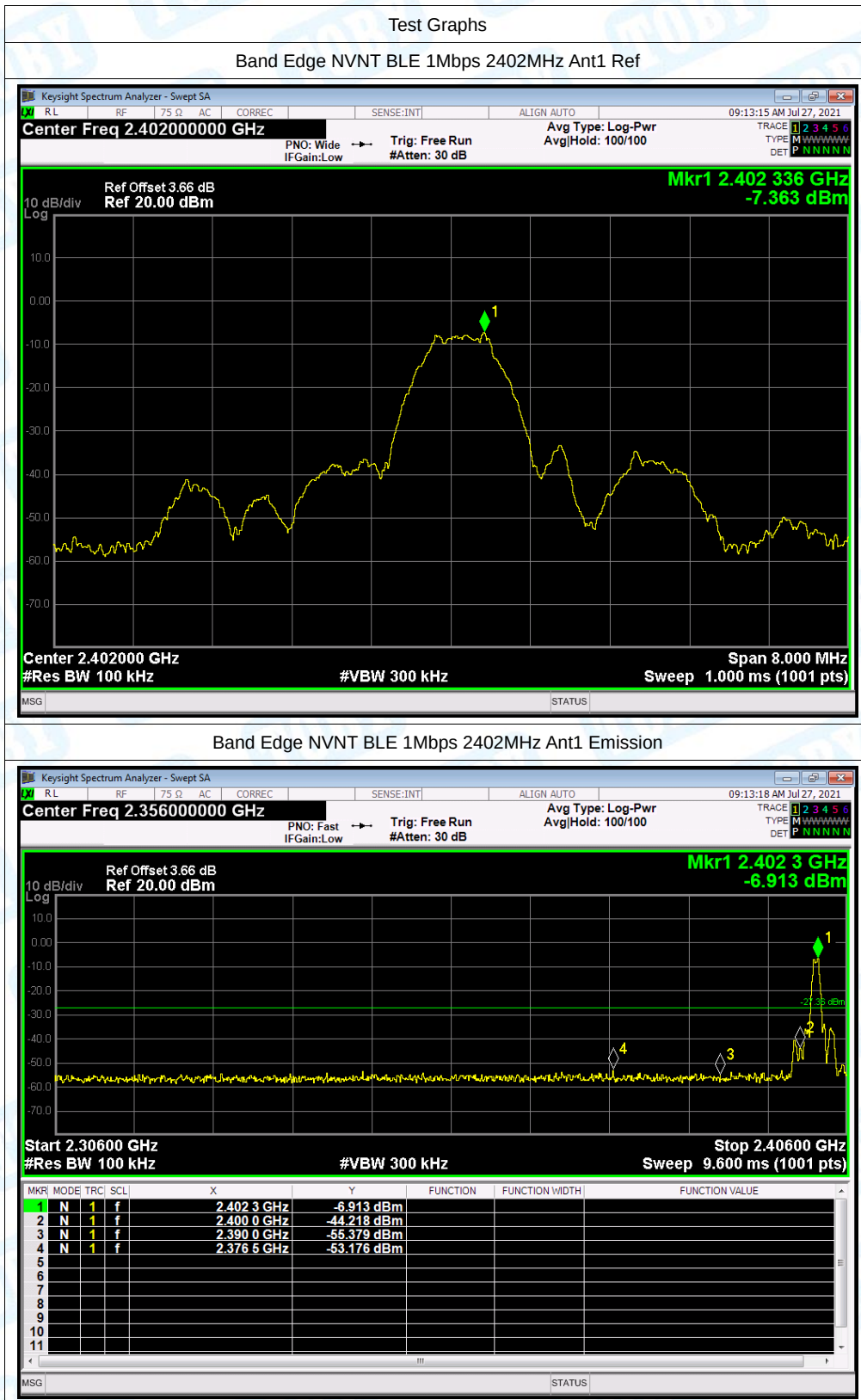
Condition	Mode	Frequency (MHz)	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	-18.602	8	Pass
NVNT	BLE 1Mbps	2442	-19.873	8	Pass
NVNT	BLE 1Mbps	2480	-22.584	8	Pass





4.Band Edge

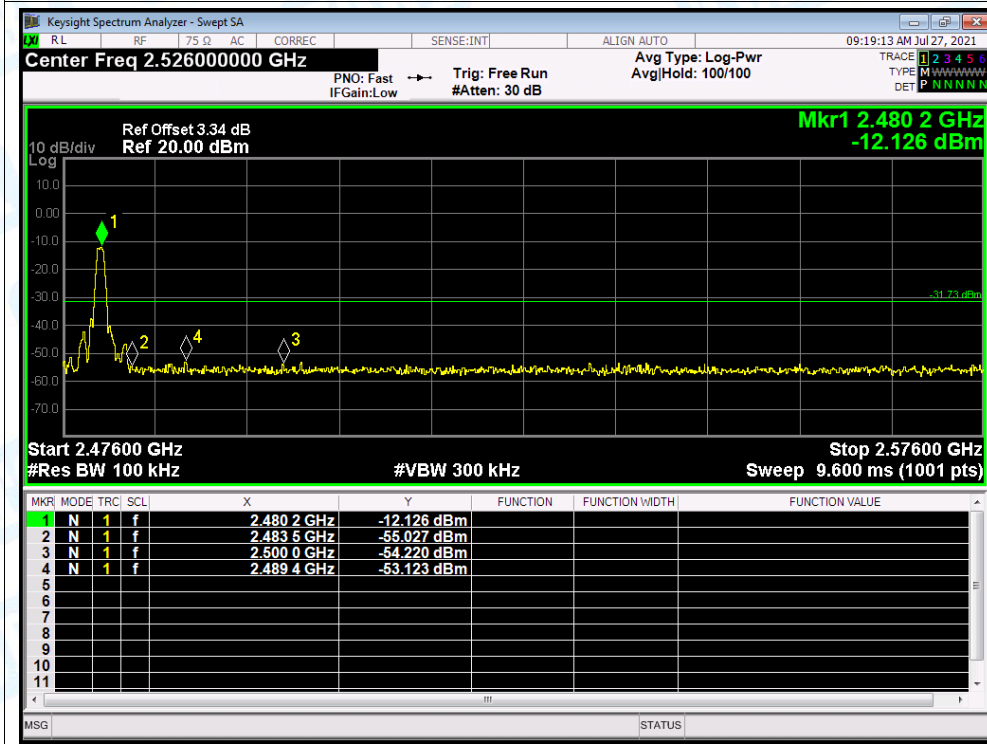
Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	-45.81	-20	Pass
NVNT	BLE 1Mbps	2480	-41.39	-20	Pass



Band Edge NVNT BLE 1Mbps 2480MHz Ant1 Ref

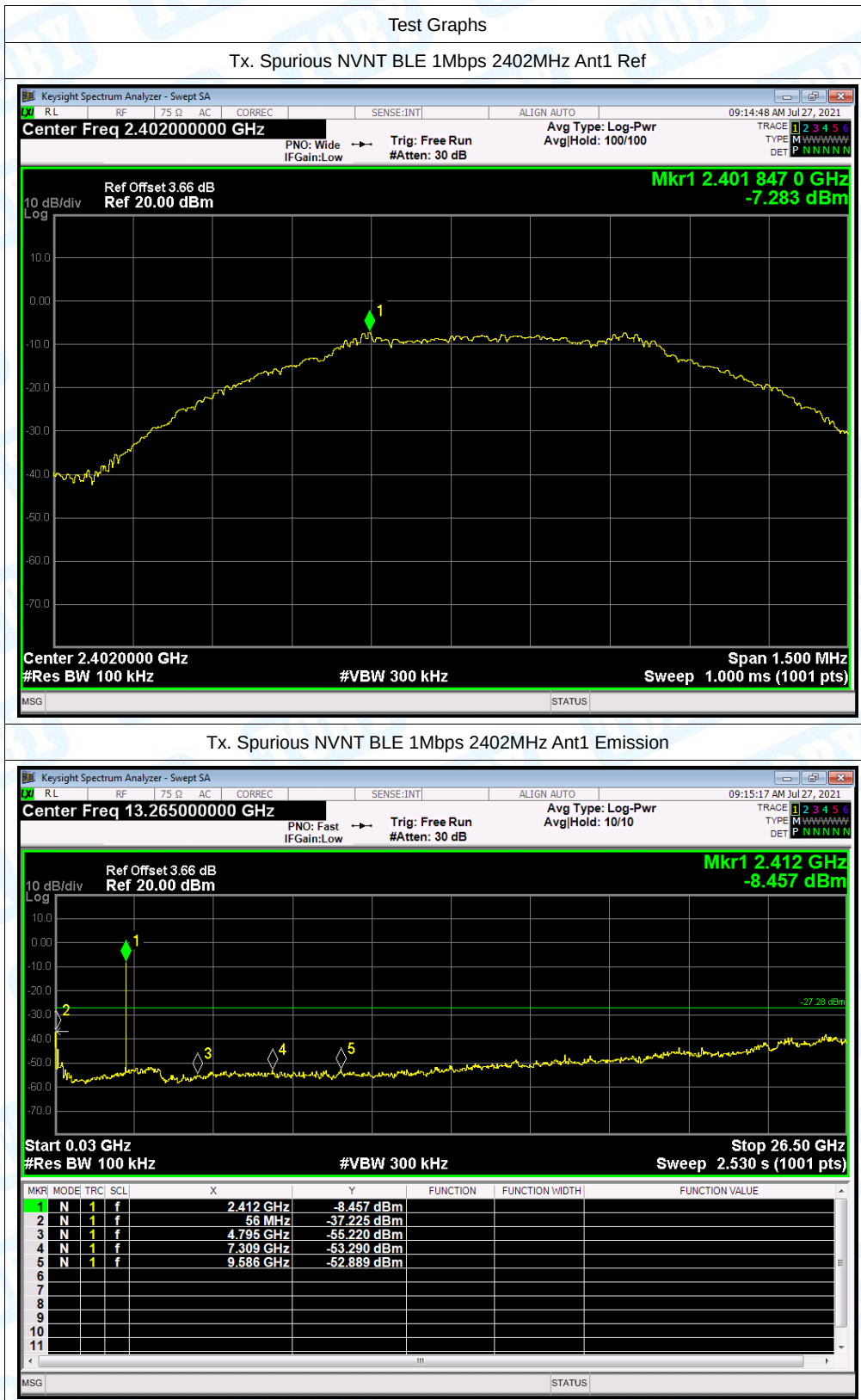


Band Edge NVNT BLE 1Mbps 2480MHz Ant1 Emission

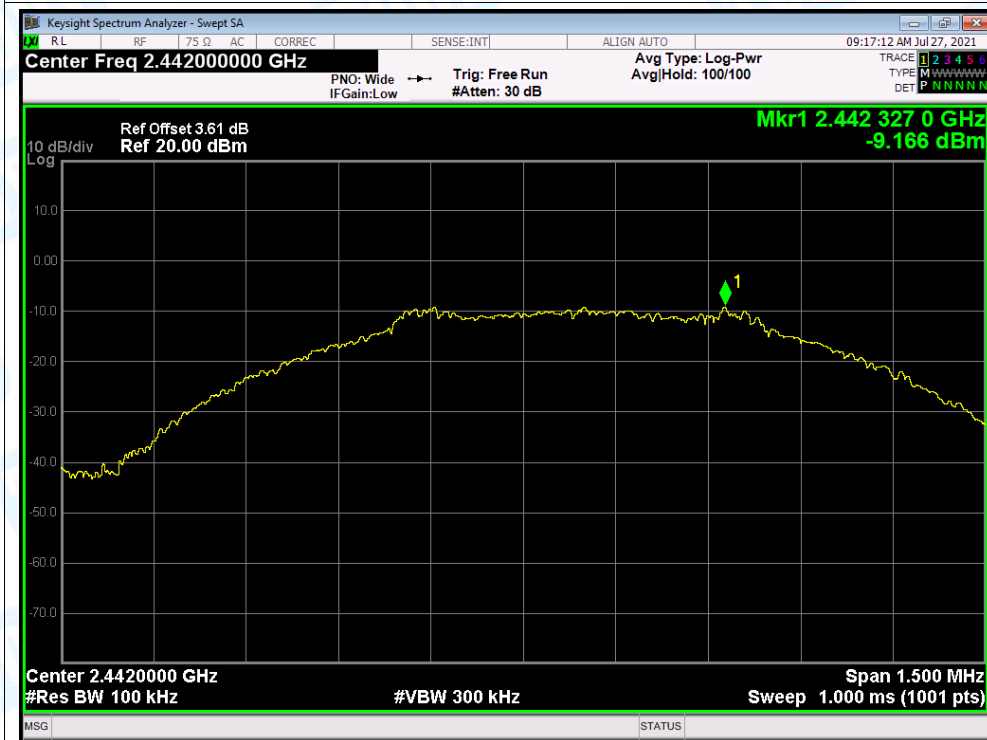


5. Conducted RF Spurious Emission

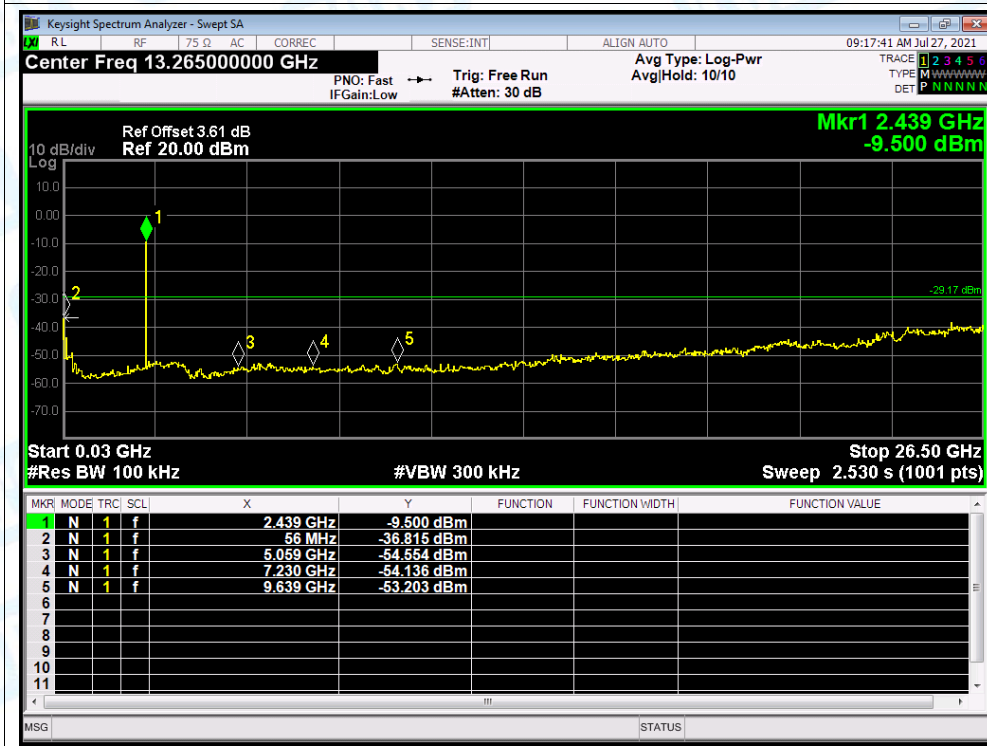
Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	-29.94	-20	Pass
NVNT	BLE 1Mbps	2442	-27.64	-20	Pass
NVNT	BLE 1Mbps	2480	-25.28	-20	Pass



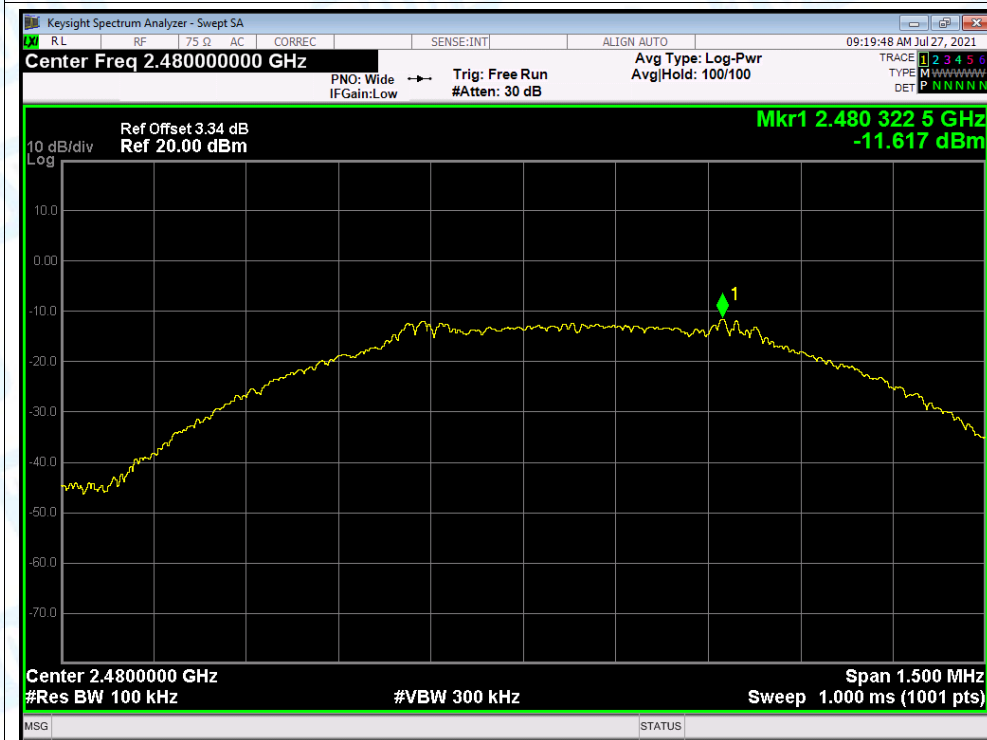
Tx. Spurious NVNT BLE 1Mbps 2442MHz Ant1 Ref



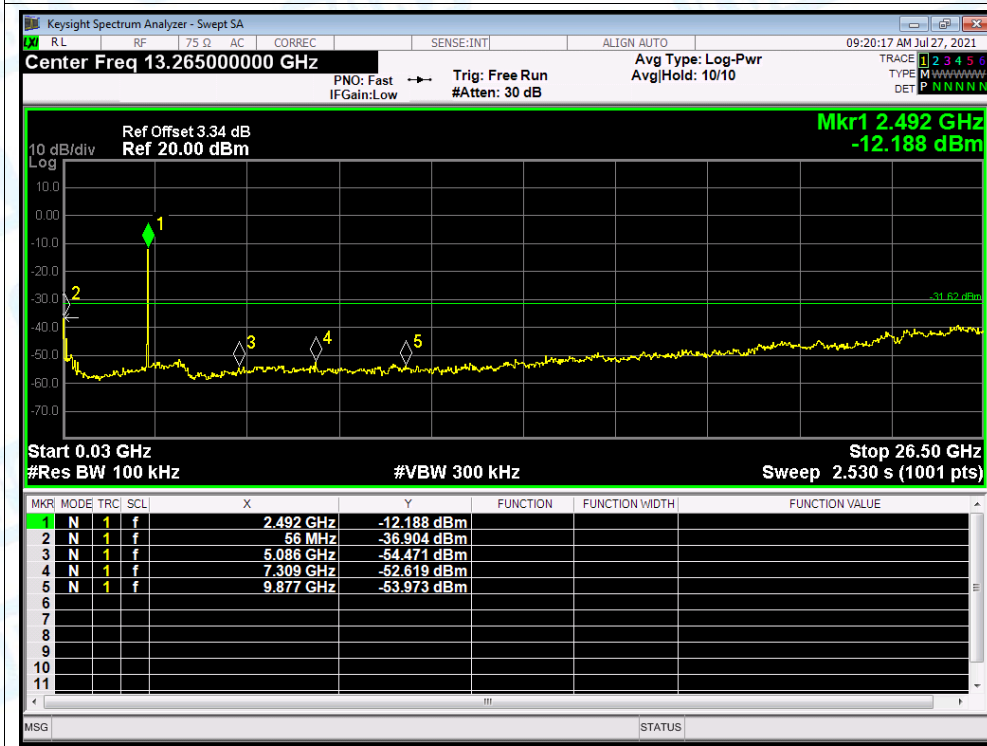
Tx. Spurious NVNT BLE 1Mbps 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Ref

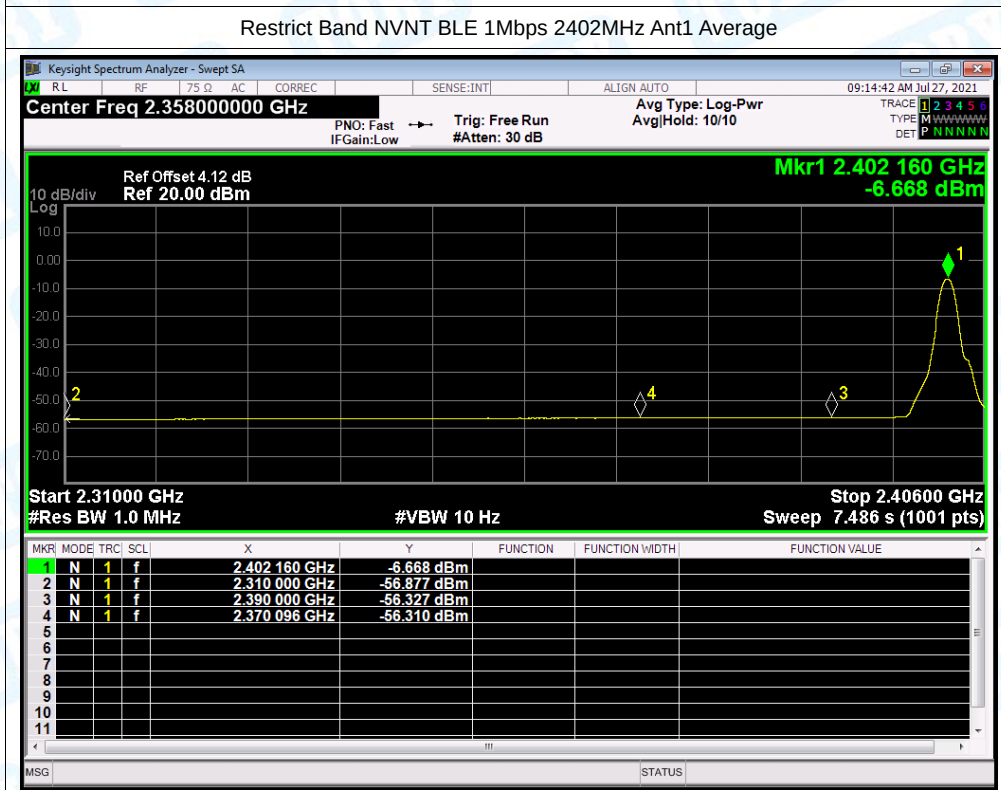
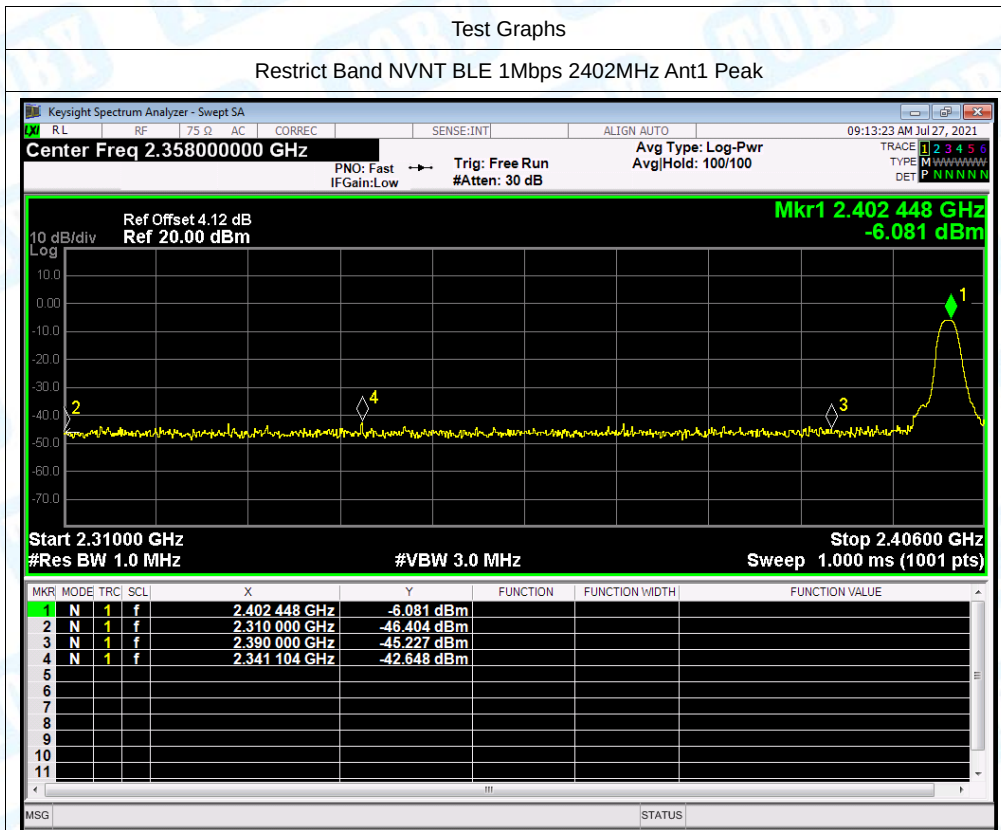


Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Emission

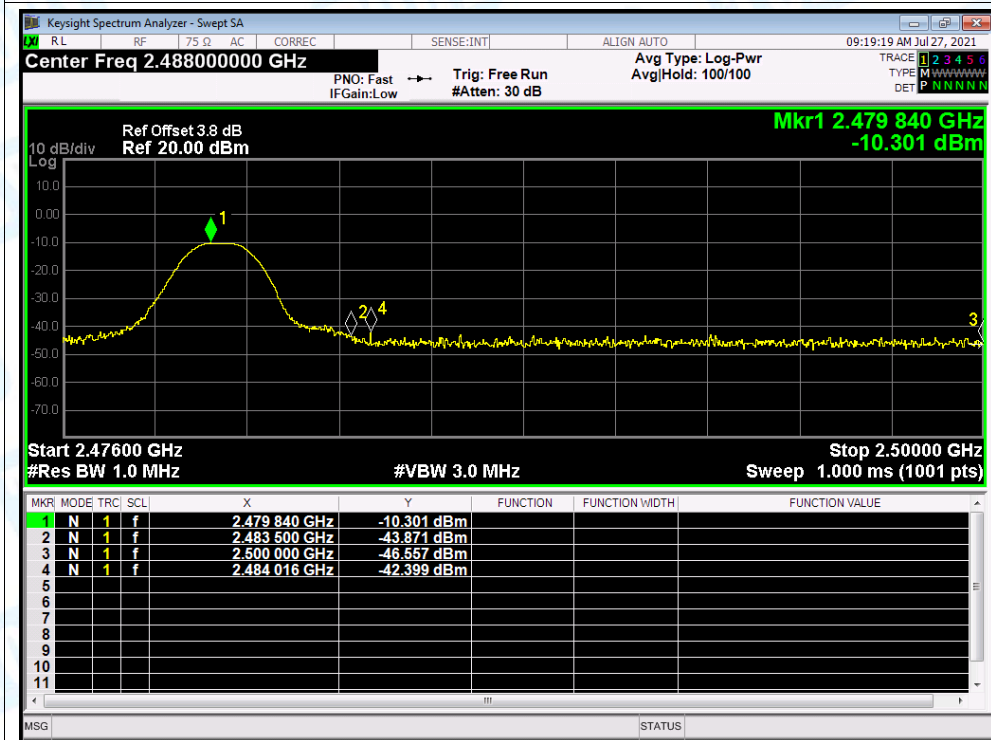


6.Restrict Band

Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 1Mbps	2402	2310	-46.61	2	50.65	Peak	74	Pass
NVNT	BLE 1Mbps	2402	2310	-56.88	2	40.38	Average	54	Pass
NVNT	BLE 1Mbps	2402	2341.104	-42.64	2	54.62	Peak	74	Pass
NVNT	BLE 1Mbps	2402	2370.096	-56.3	2	40.96	Average	54	Pass
NVNT	BLE 1Mbps	2402	2390	-46.45	2	50.81	Peak	74	Pass
NVNT	BLE 1Mbps	2402	2390	-56.33	2	40.93	Average	54	Pass
NVNT	BLE 1Mbps	2480	2483.5	-43.87	2	53.39	Peak	74	Pass
NVNT	BLE 1Mbps	2480	2483.5	-53.75	2	43.51	Average	54	Pass
NVNT	BLE 1Mbps	2480	2484.016	-42.39	2	54.87	Peak	74	Pass
NVNT	BLE 1Mbps	2480	2483.512	-53.75	2	43.51	Average	54	Pass
NVNT	BLE 1Mbps	2480	2500	-46.55	2	50.71	Peak	74	Pass
NVNT	BLE 1Mbps	2480	2500	-56.12	2	41.14	Average	54	Pass



Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Peak



Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Average

