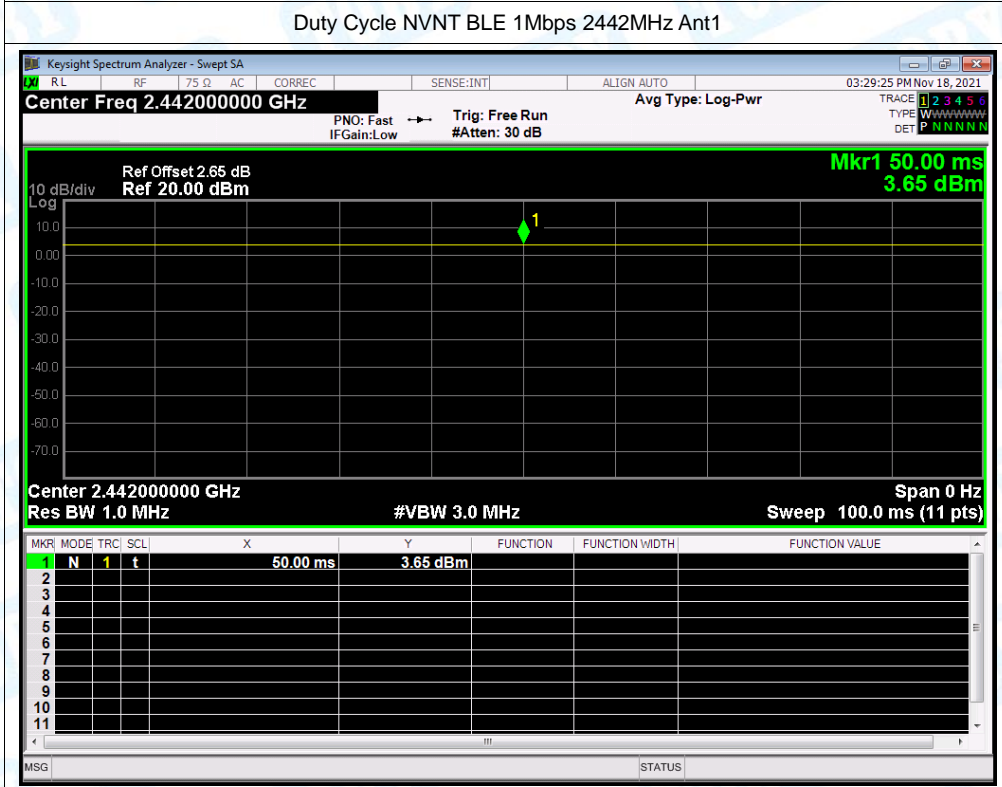
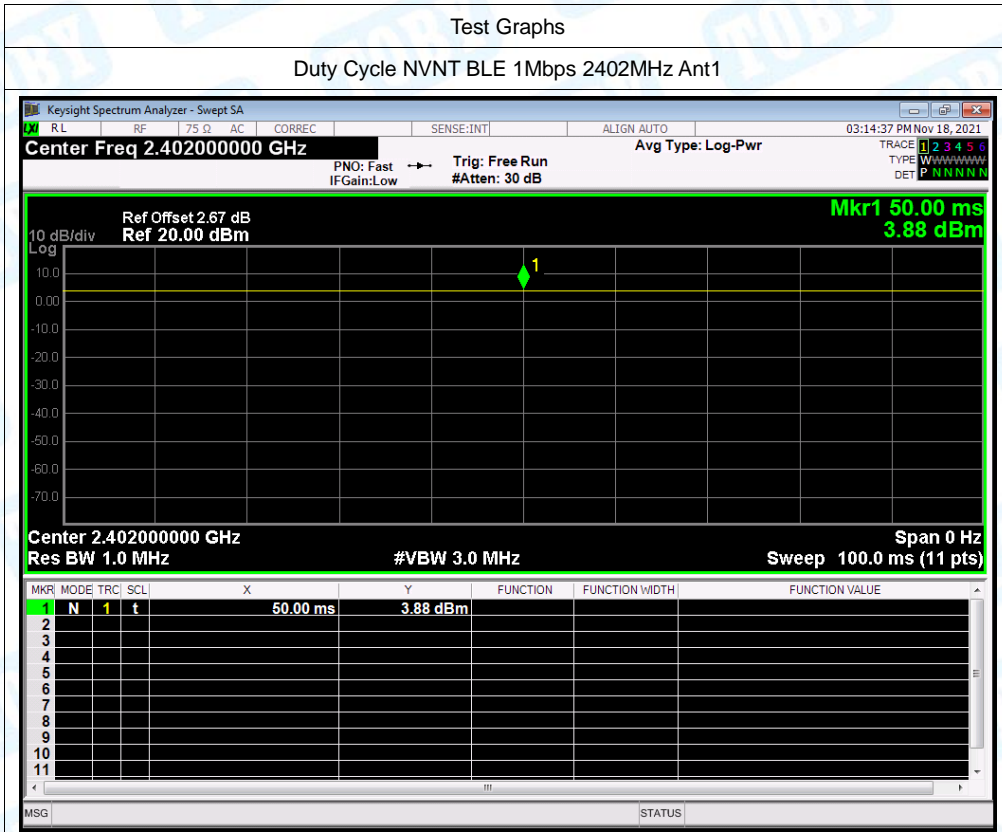


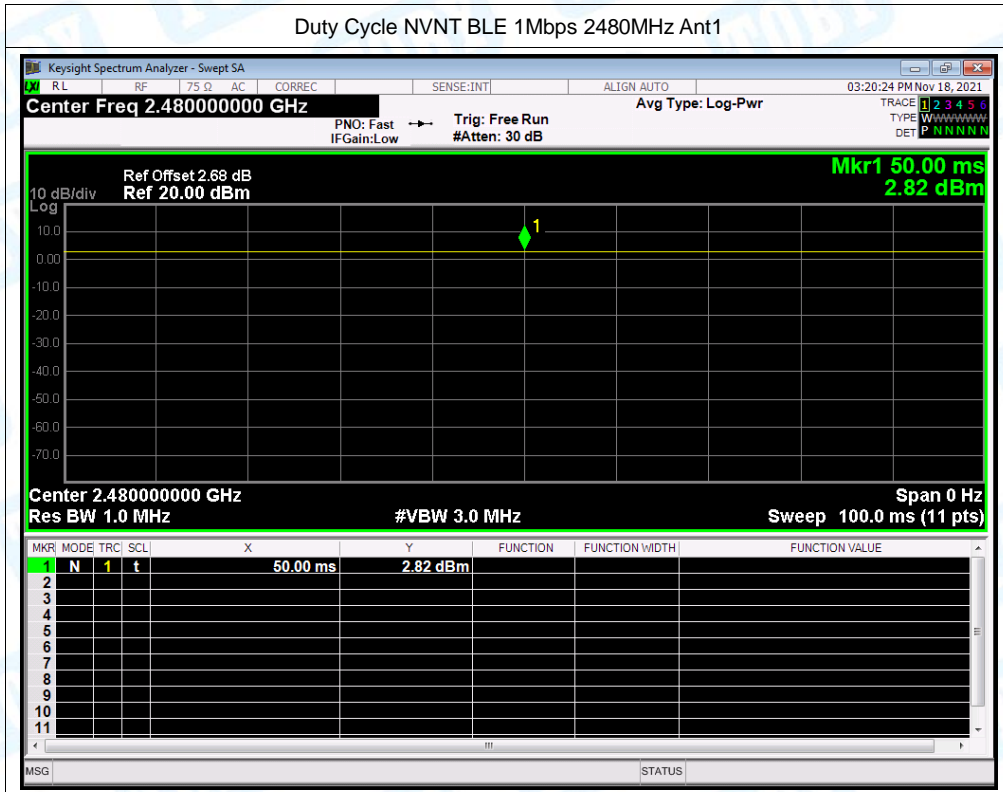
# RF Test Data for Bluetooth LE (Conducted Measurements)

General Description of EUT	
Product Name:	DIGITAL PIANO
Test Model:	MP-100
Sample ID:	20211025-01_01-2#
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 5V
Test Engineer:	HEJINGCHANG
Note: For a more detailed features description, please refer to the report TB-RF184987	

## Duty Cycle

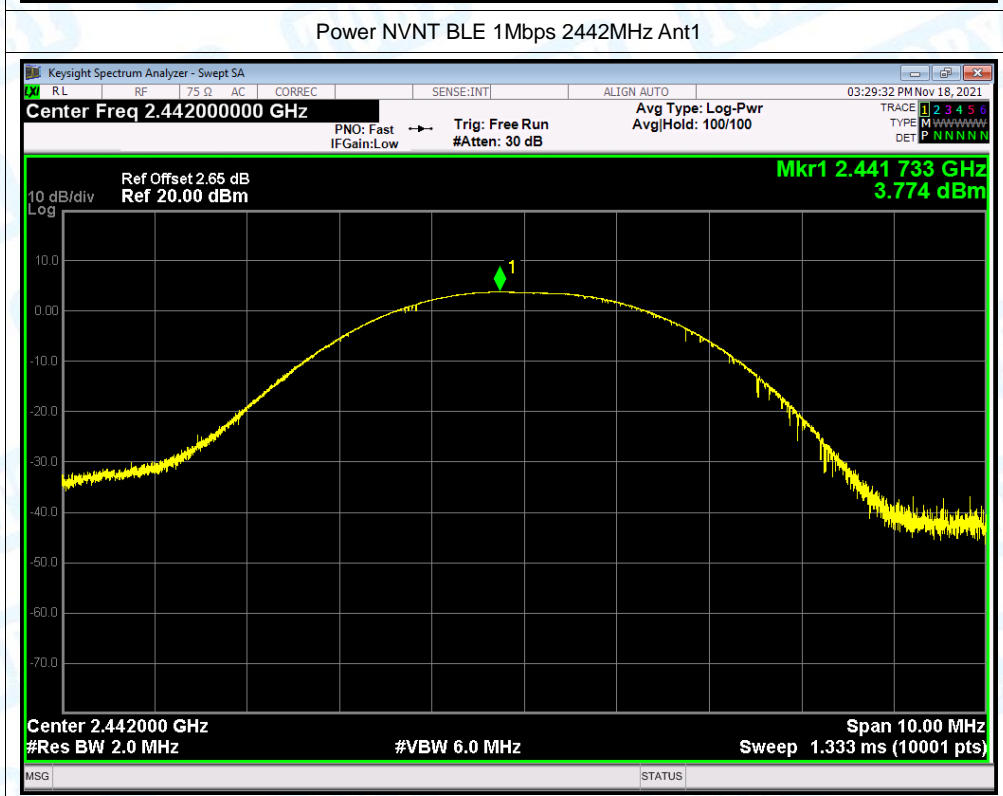
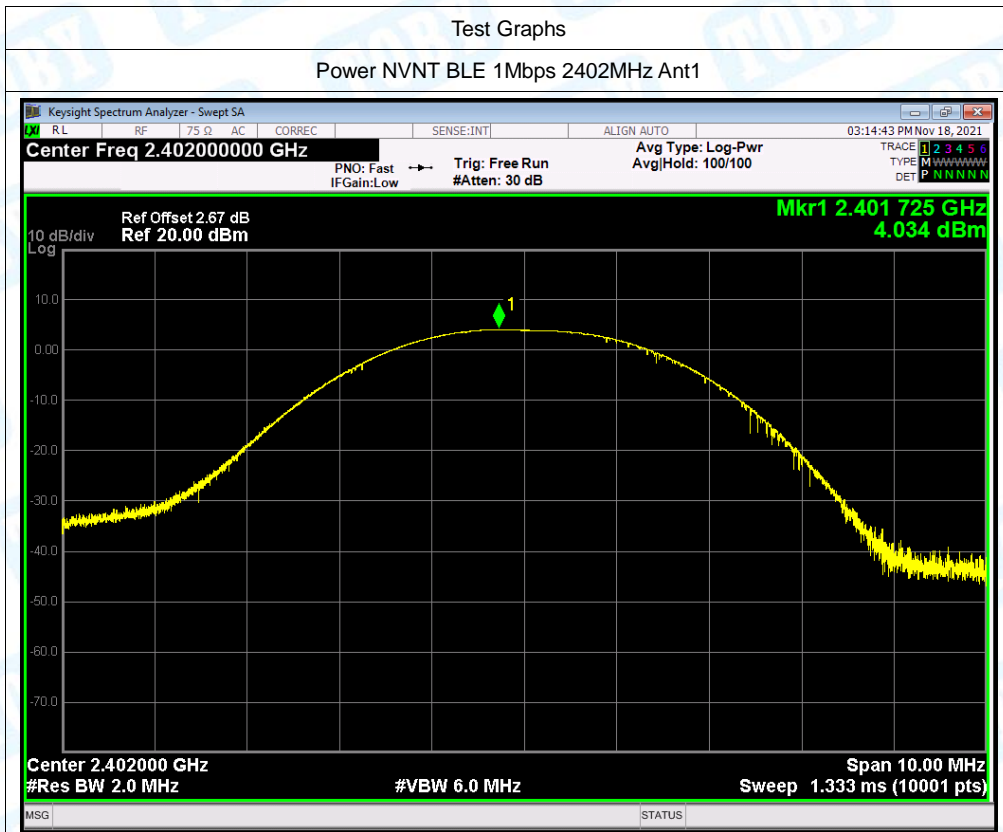
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1Mbps	2402	Ant1	100	0	0
NVNT	BLE 1Mbps	2442	Ant1	100	0	0
NVNT	BLE 1Mbps	2480	Ant1	100	0	0

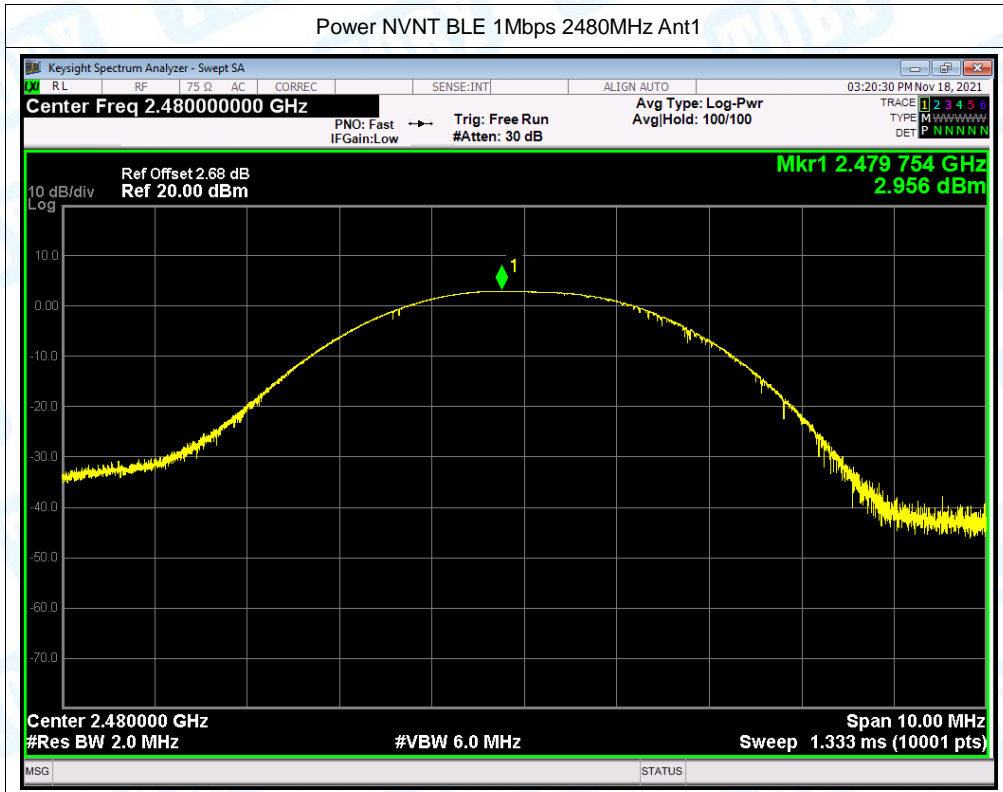




## Maximum Conducted Output Power

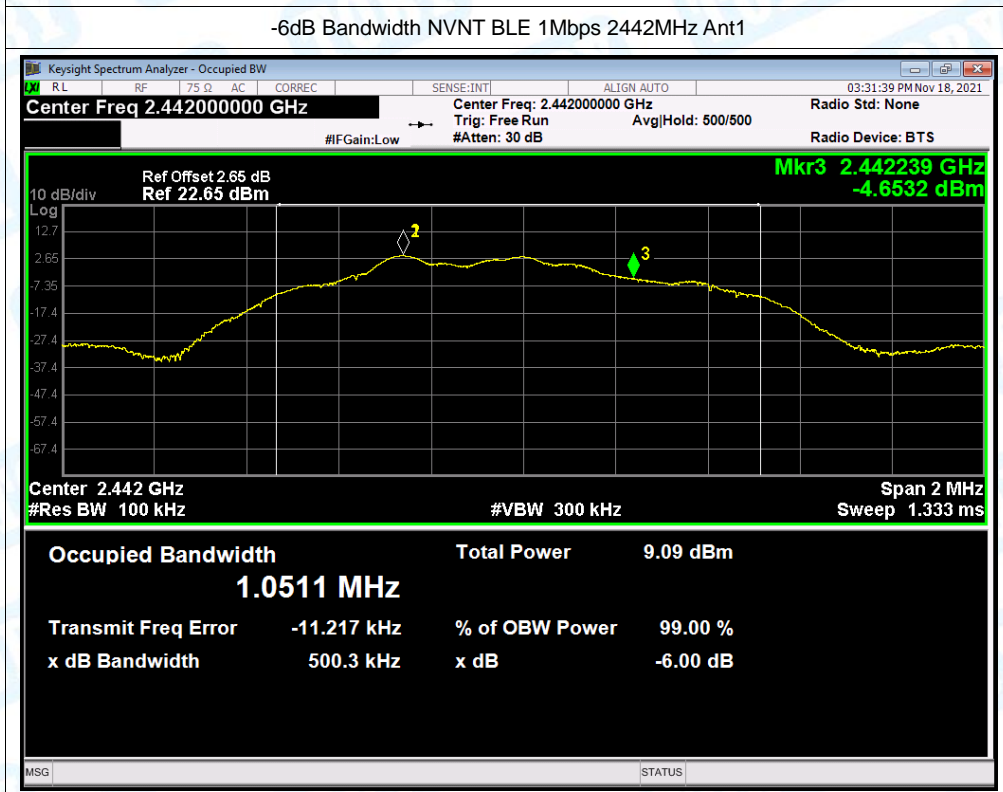
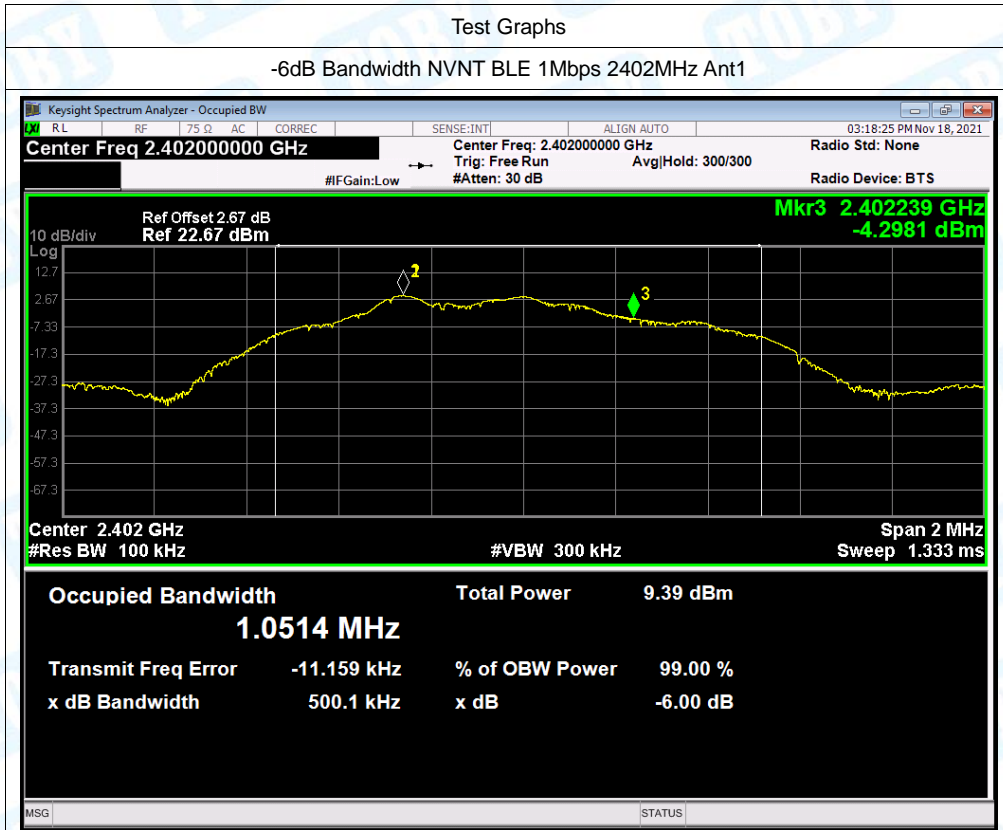
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	4.034	0	4.034	30	Pass
NVNT	BLE 1Mbps	2442	Ant1	3.774	0	3.774	30	Pass
NVNT	BLE 1Mbps	2480	Ant1	2.956	0	2.956	30	Pass



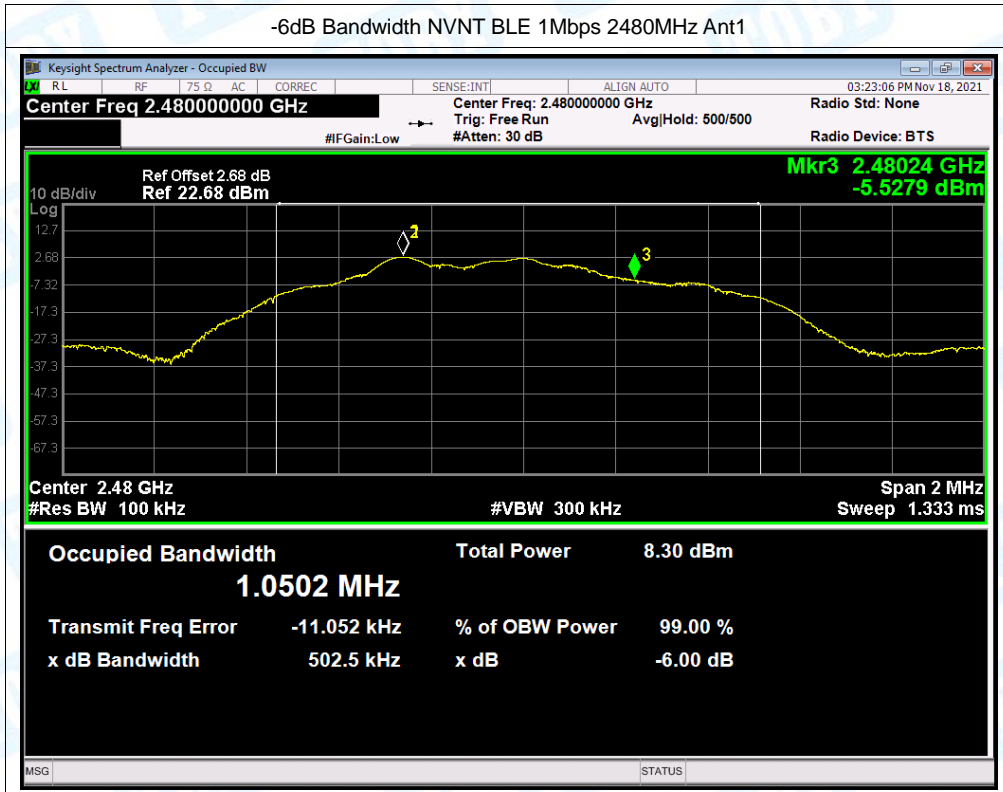


**-6dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.5	0.5	Pass
NVNT	BLE 1Mbps	2442	Ant1	0.5	0.5	Pass
NVNT	BLE 1Mbps	2480	Ant1	0.502	0.5	Pass

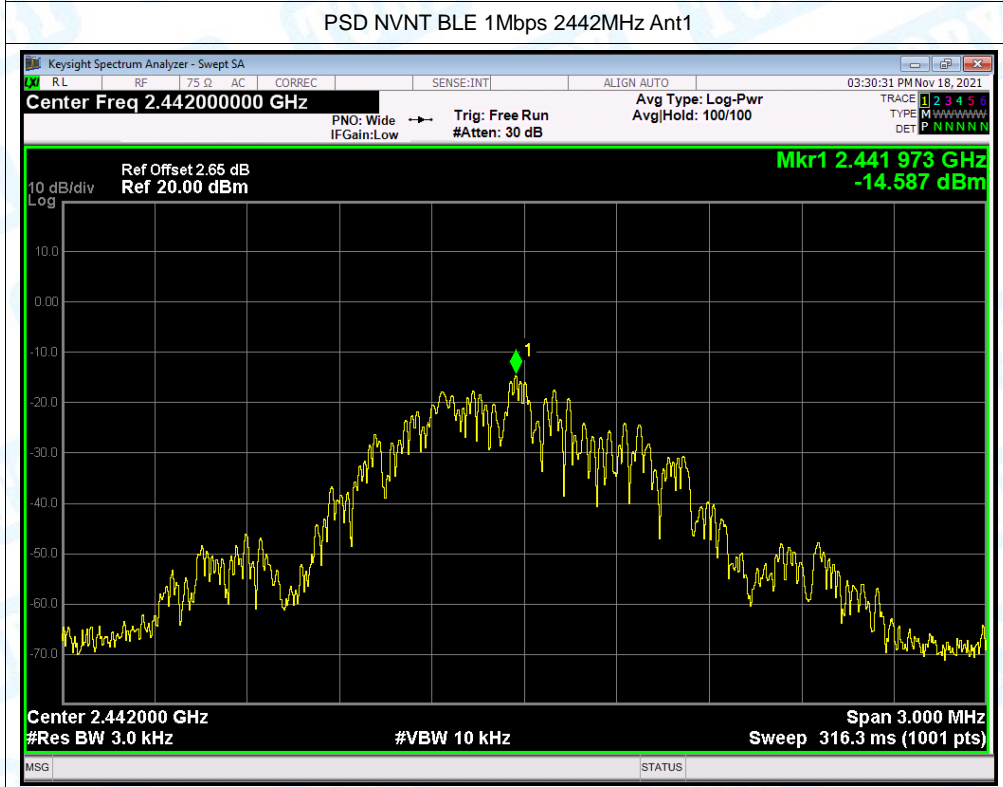
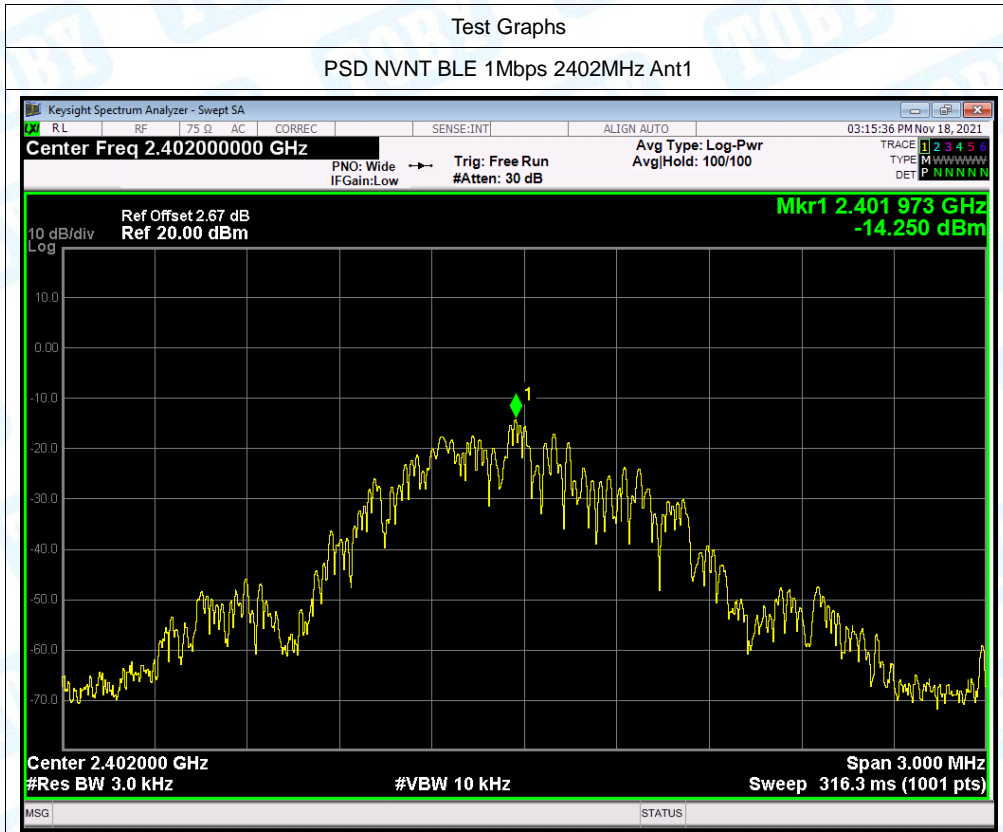


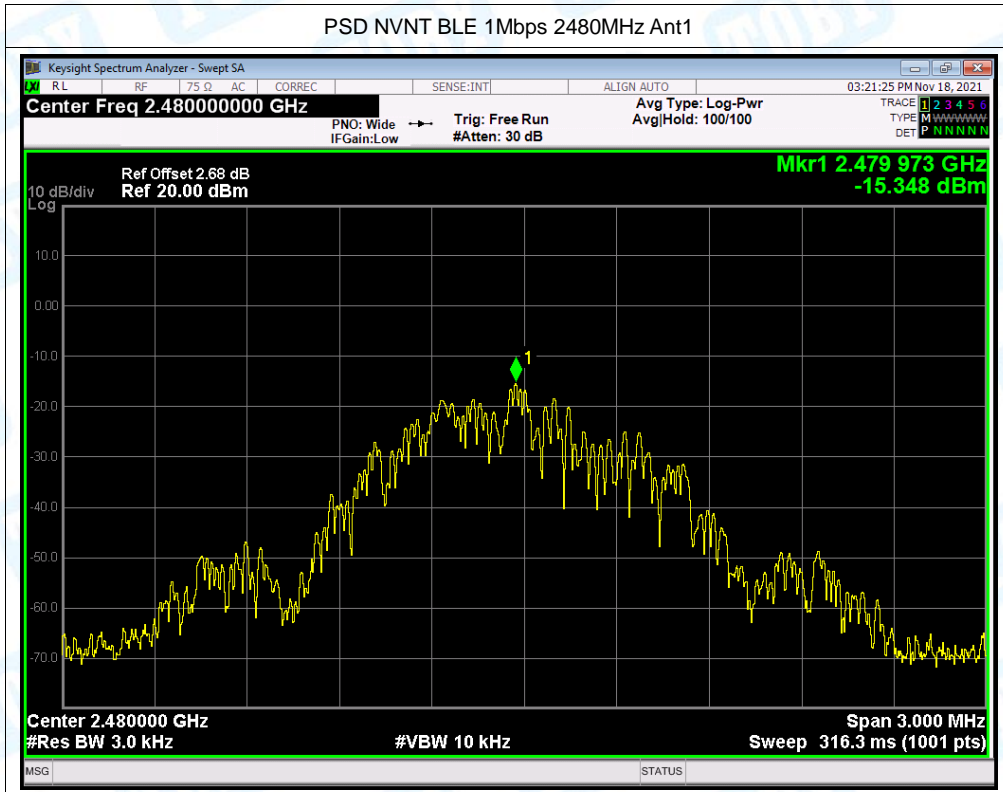




## Maximum Power Spectral Density Level

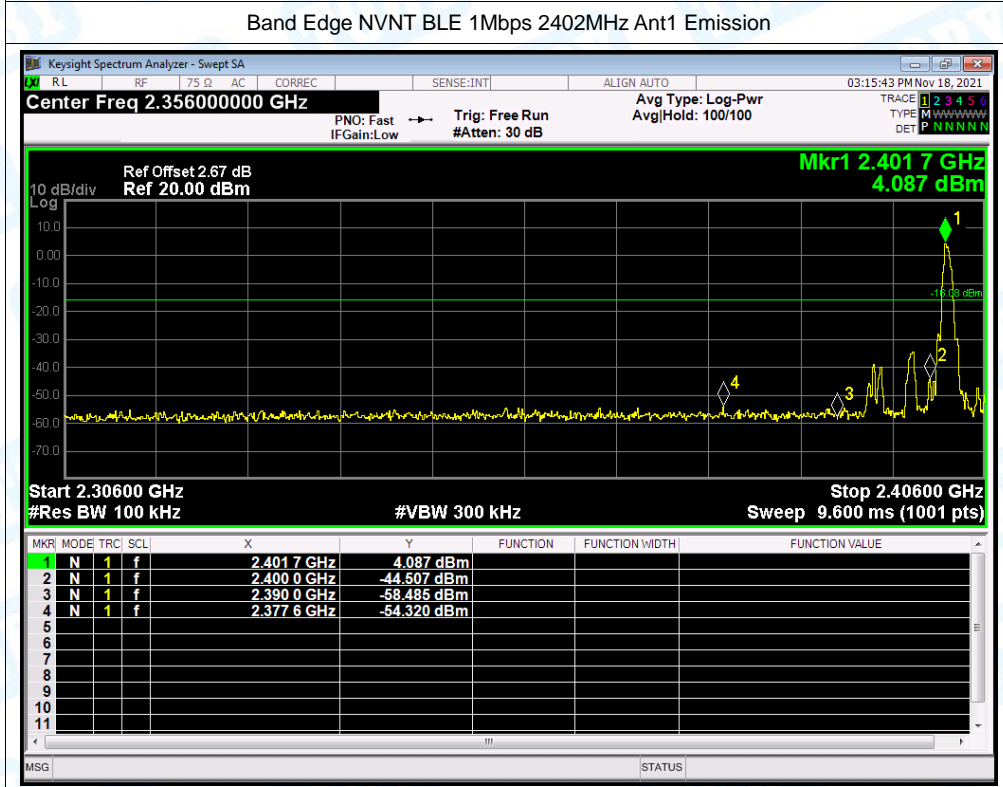
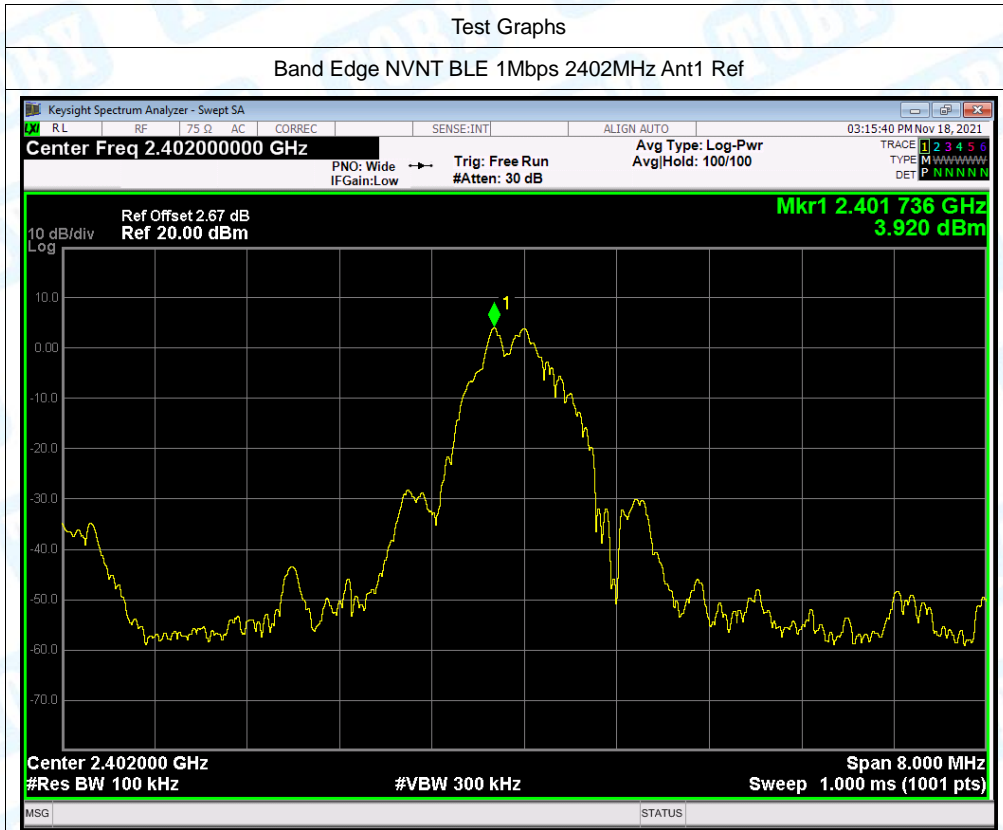
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-14.25	8	Pass
NVNT	BLE 1Mbps	2442	Ant1	-14.587	8	Pass
NVNT	BLE 1Mbps	2480	Ant1	-15.348	8	Pass

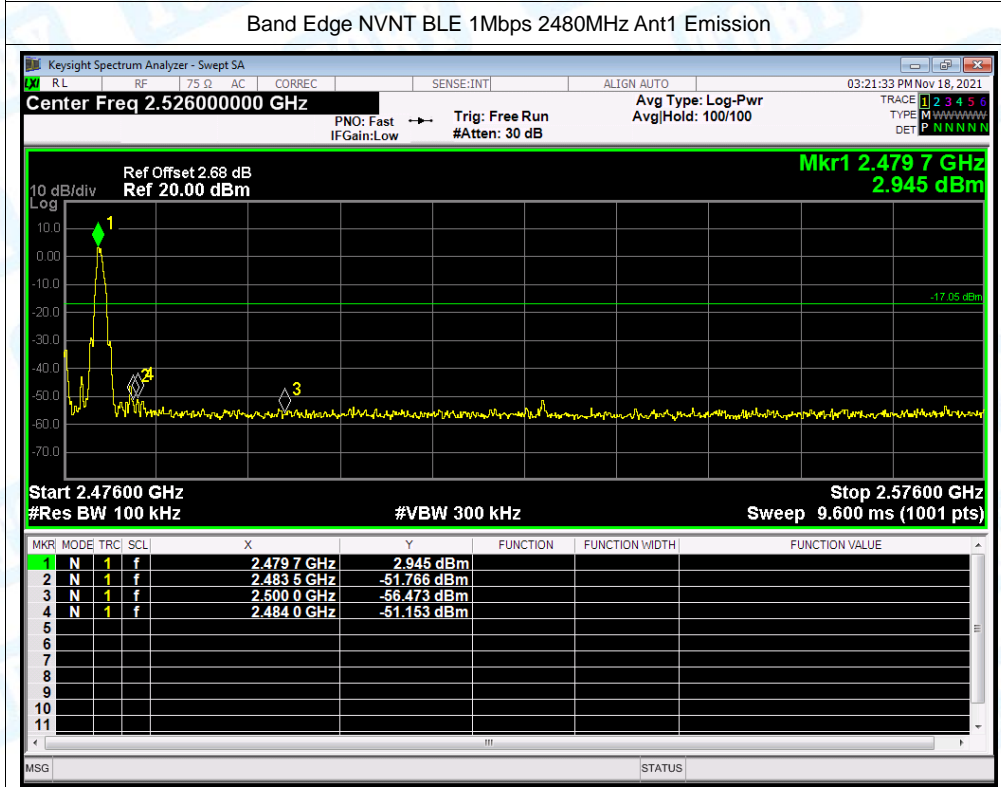
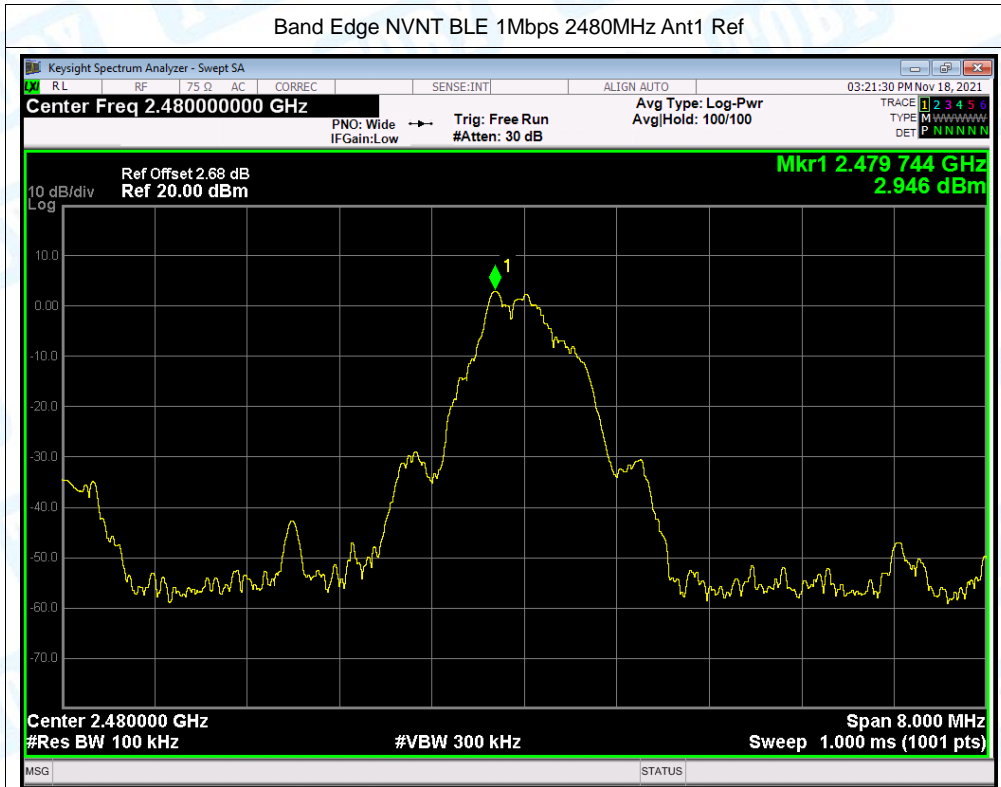




## Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-58.23	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-54.1	-20	Pass

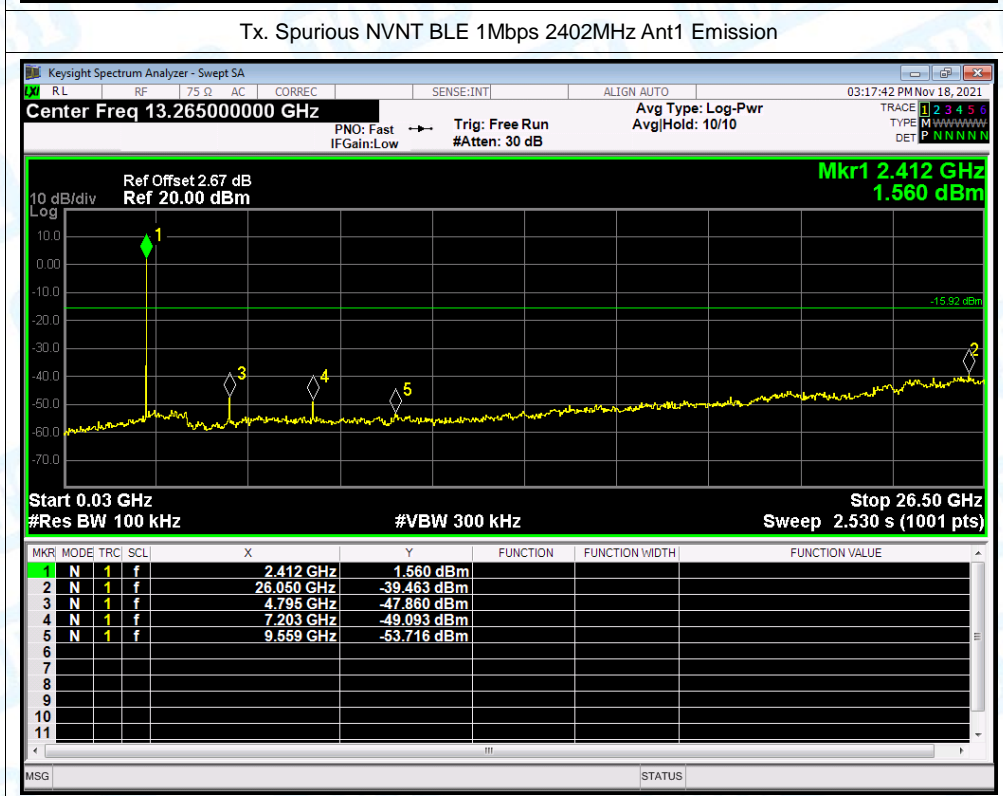




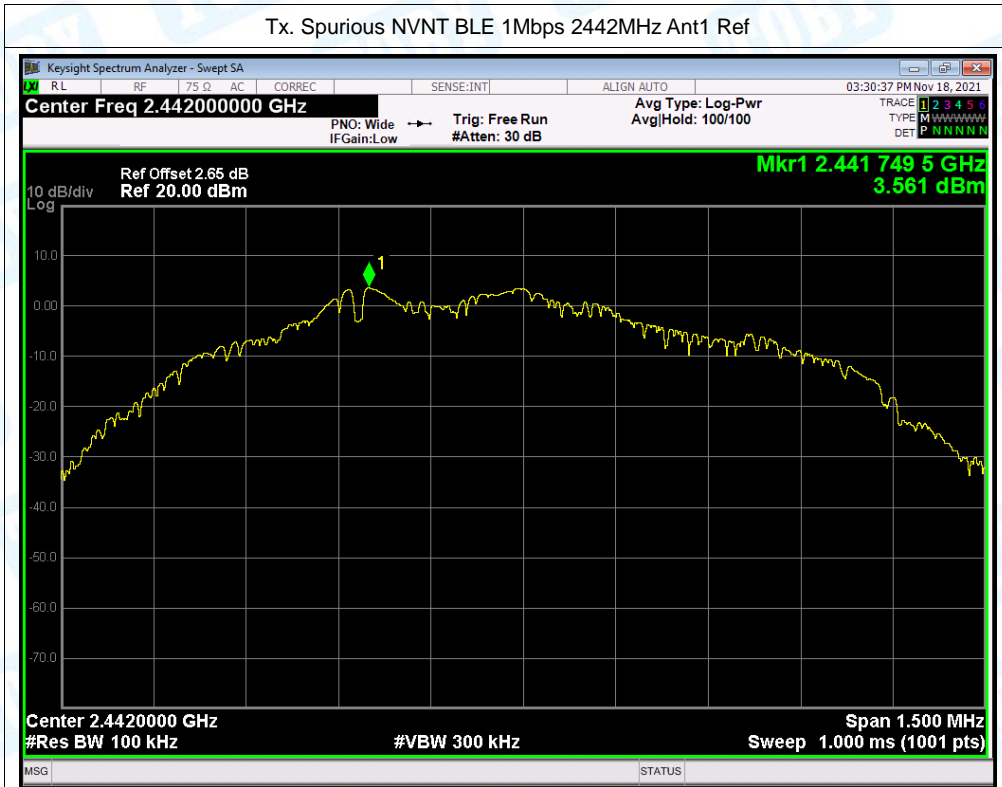
## Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-43.54	-20	Pass
NVNT	BLE 1Mbps	2442	Ant1	-43.59	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-43.35	-20	Pass

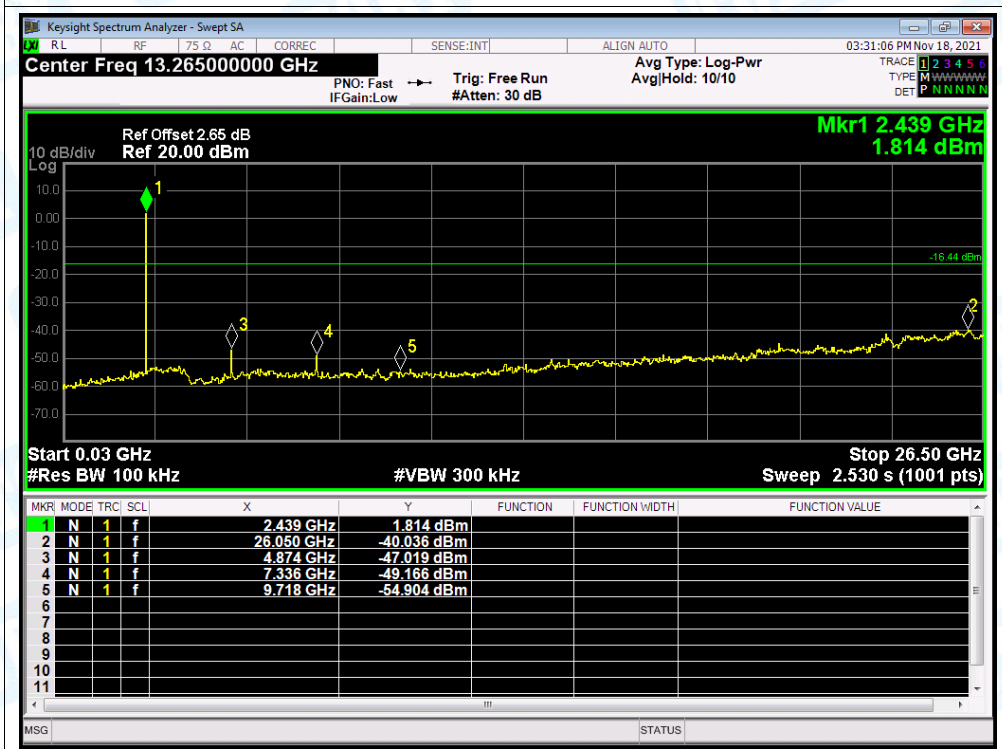




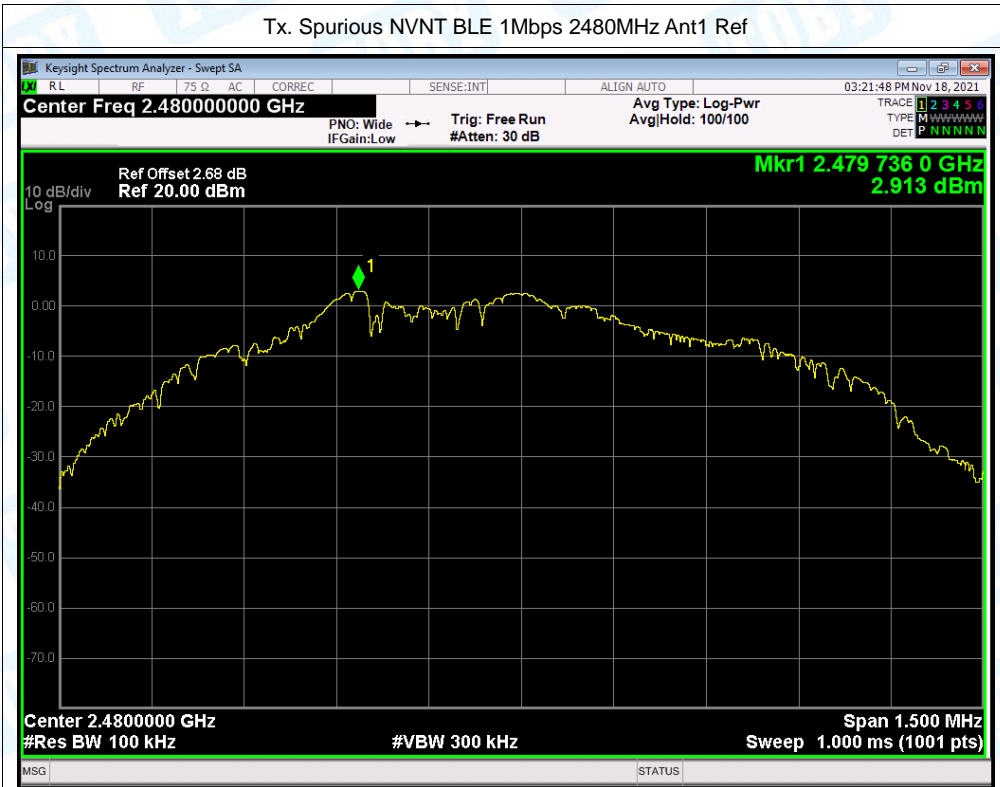
Tx. Spurious NVNT BLE 1Mbps 2442MHz Ant1 Ref



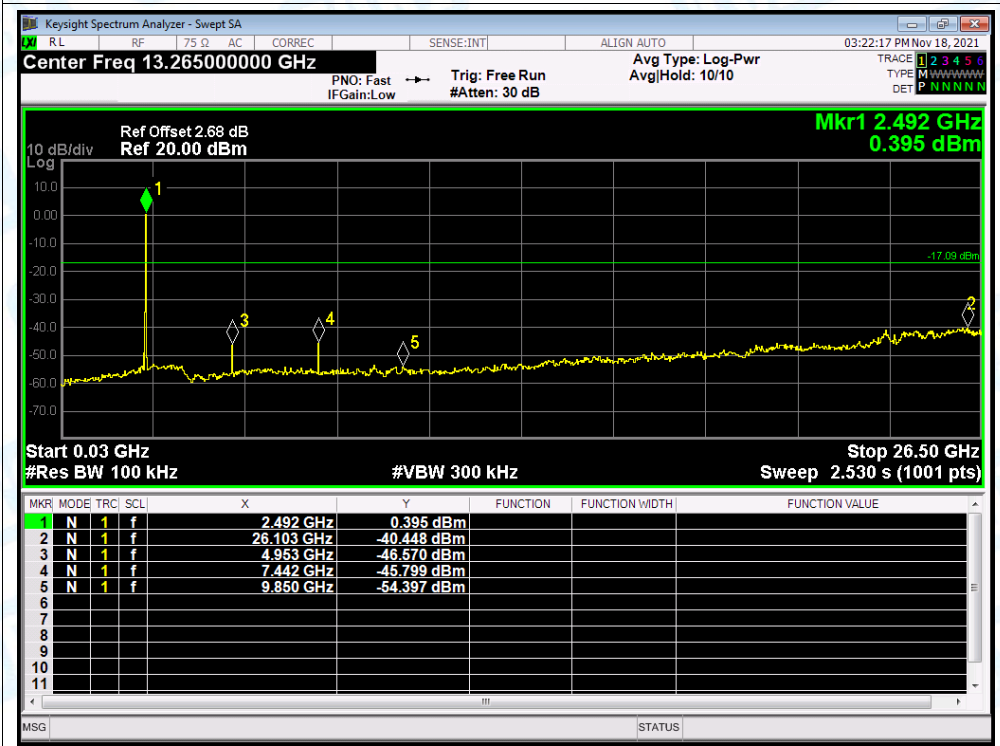
Tx. Spurious NVNT BLE 1Mbps 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Emission



## 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	-48.73	2	48.53	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2310	-58.87	2	38.39	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2386.224	-45.16	2	52.1	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2353.872	-58.11	2	39.15	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-47.48	2	49.78	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-58.3	2	38.96	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-44.37	2	52.89	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-55.17	2	42.09	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.608	-41.74	2	55.52	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.632	-54.64	2	42.62	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-48.04	2	49.22	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-57.21	2	40.05	Average	54	Pass

