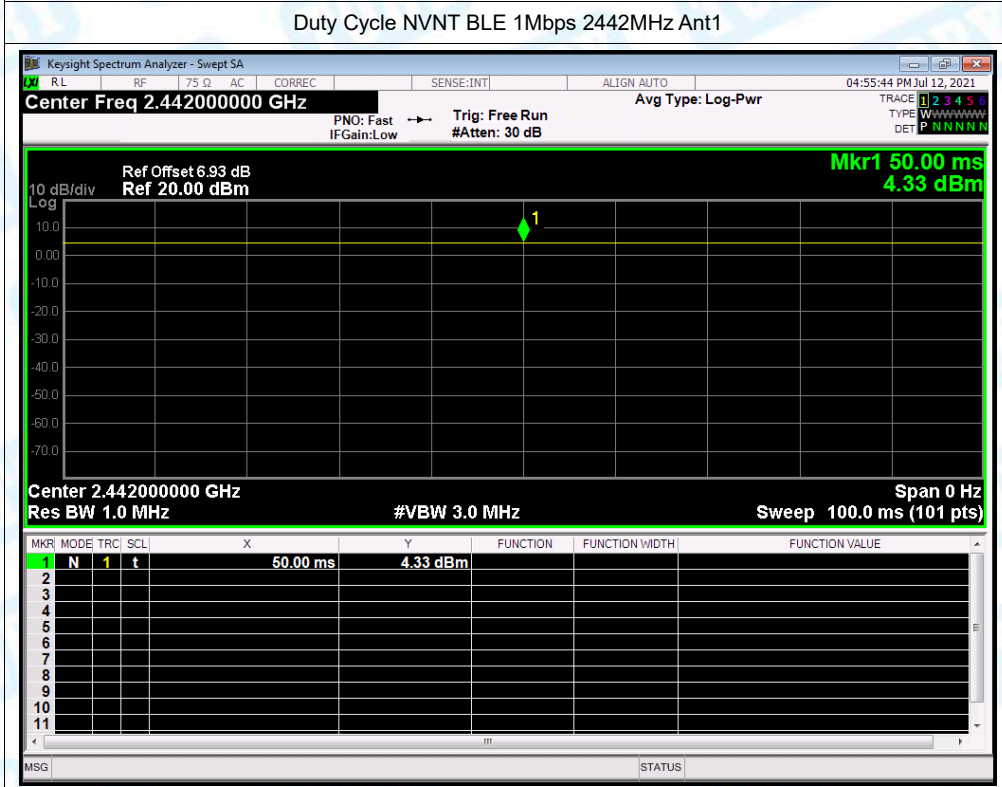
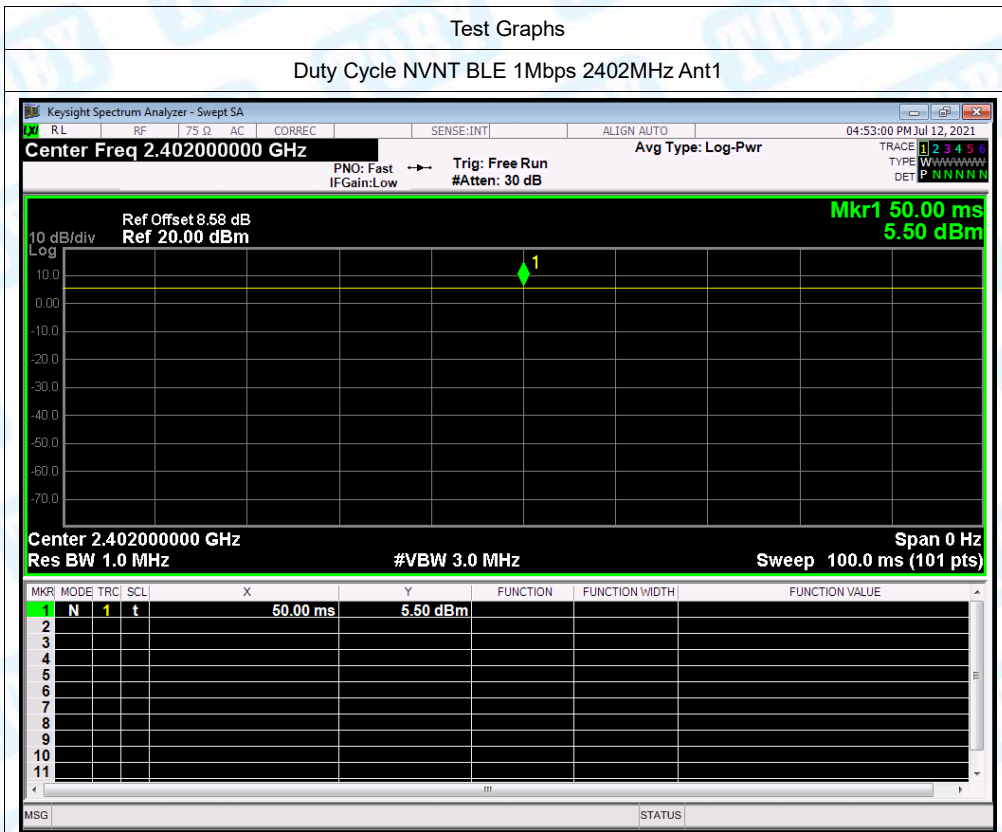


# RF Test Data for Bluetooth LE (Conducted Measurements)

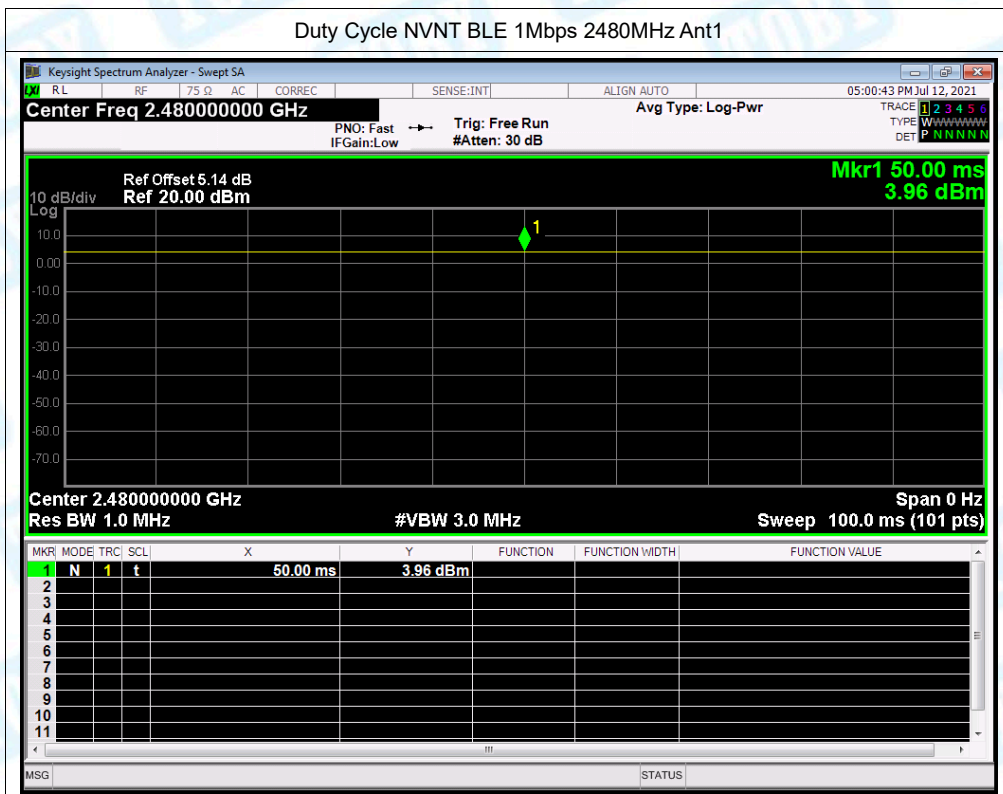
General Description of EUT	
Product Name:	DVR
Test Model:	DVR-BTD2-16
Sample ID:	20210708-11-02
Environmental Conditions	
Temperature:	23.8°C
Relative Humidity:	48%
Test Voltage:	DC 5V
Test Engineer:	Huang Jian Ping
Note: For a more detailed features description, please refer to the report TB-RF180812.	

## 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	2442	Ant1	100	0	0
NVNT	BLE 1Mbps	2480	Ant1	100	0	0



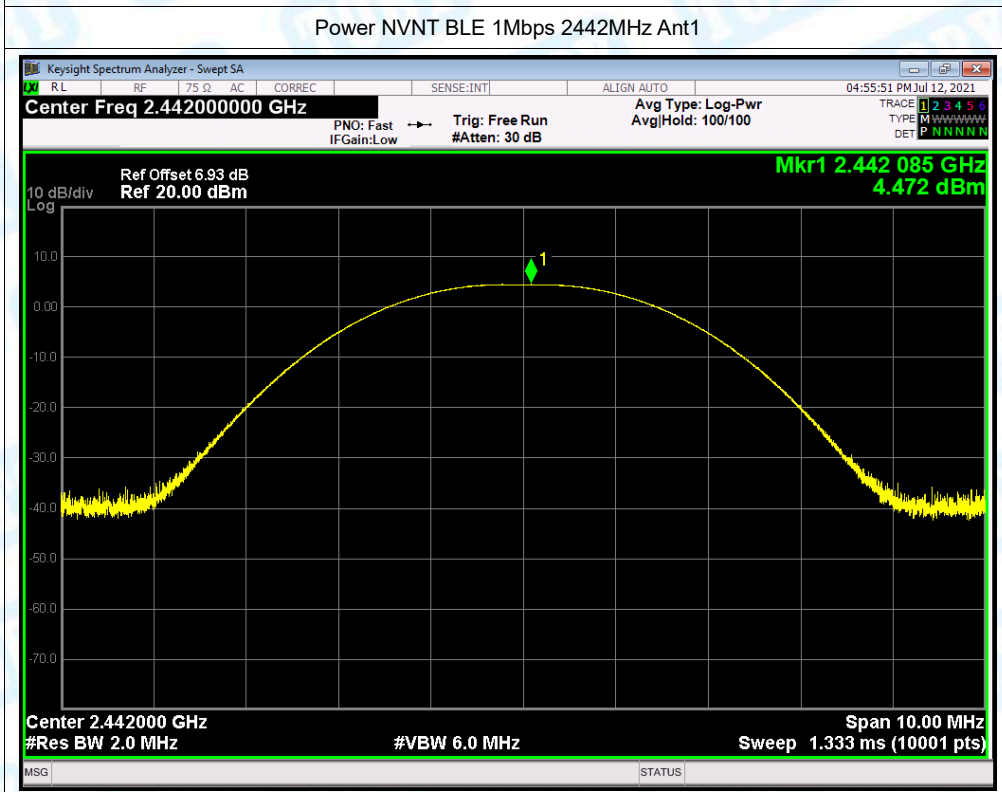
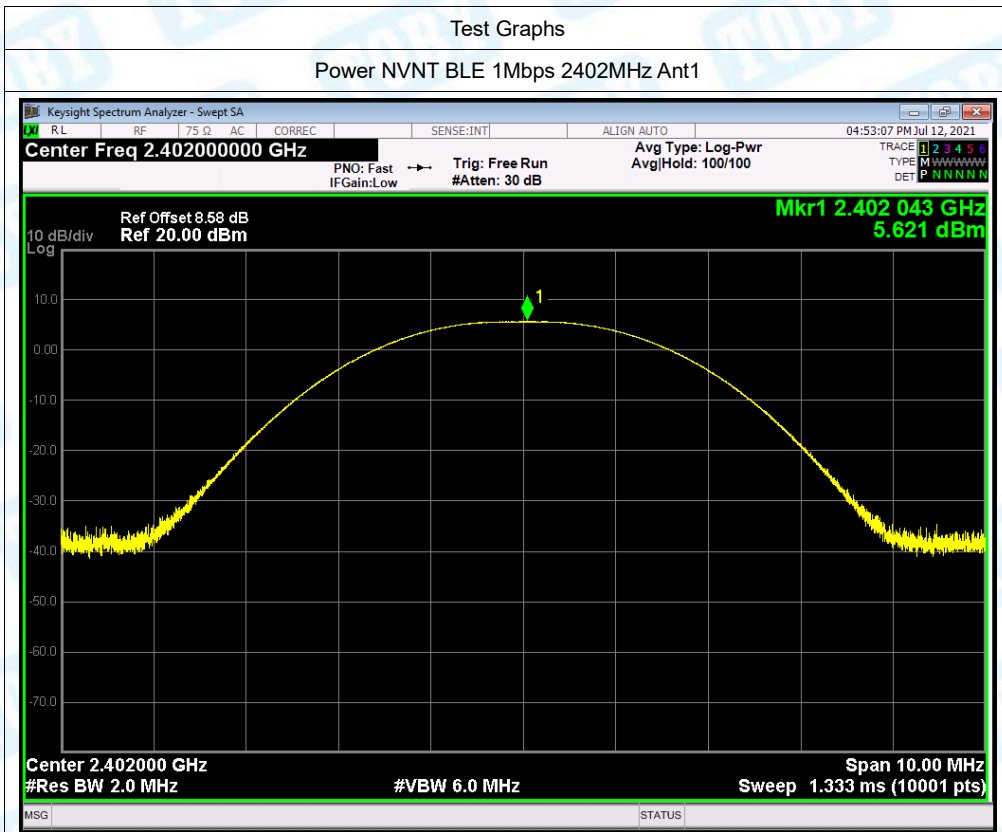


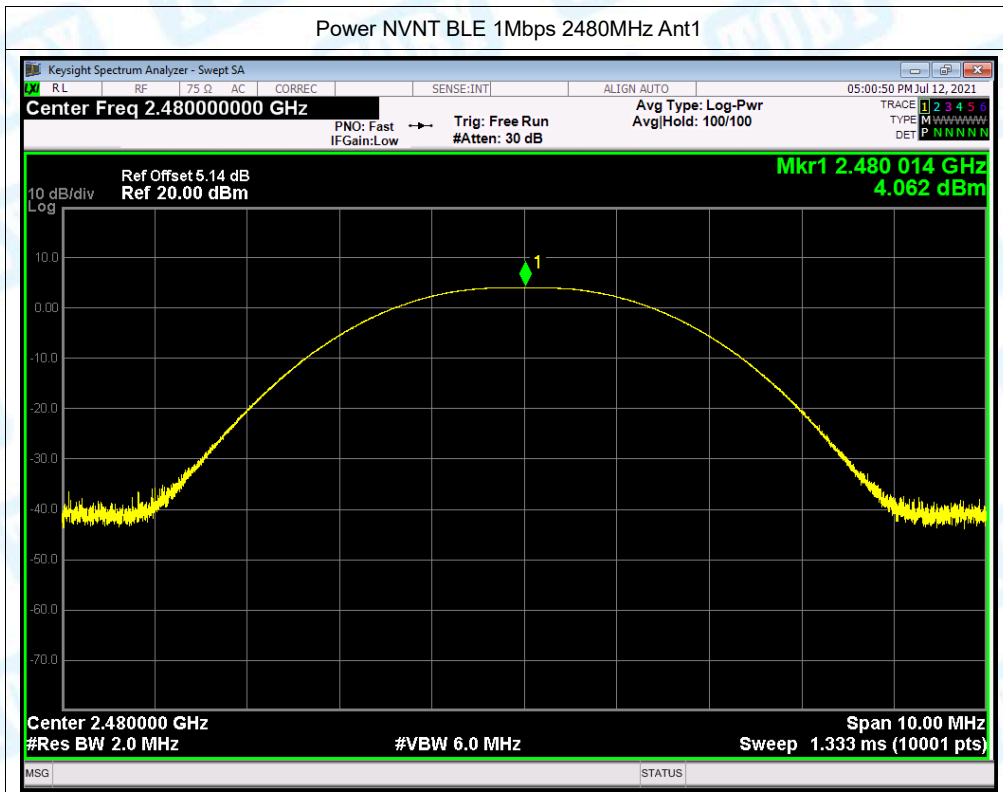


## 2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	5.621	0	5.621	30	Pass
NVNT	BLE 1Mbps	2442	Ant1	4.472	0	4.472	30	Pass
NVNT	BLE 1Mbps	2480	Ant1	4.062	0	4.062	30	Pass



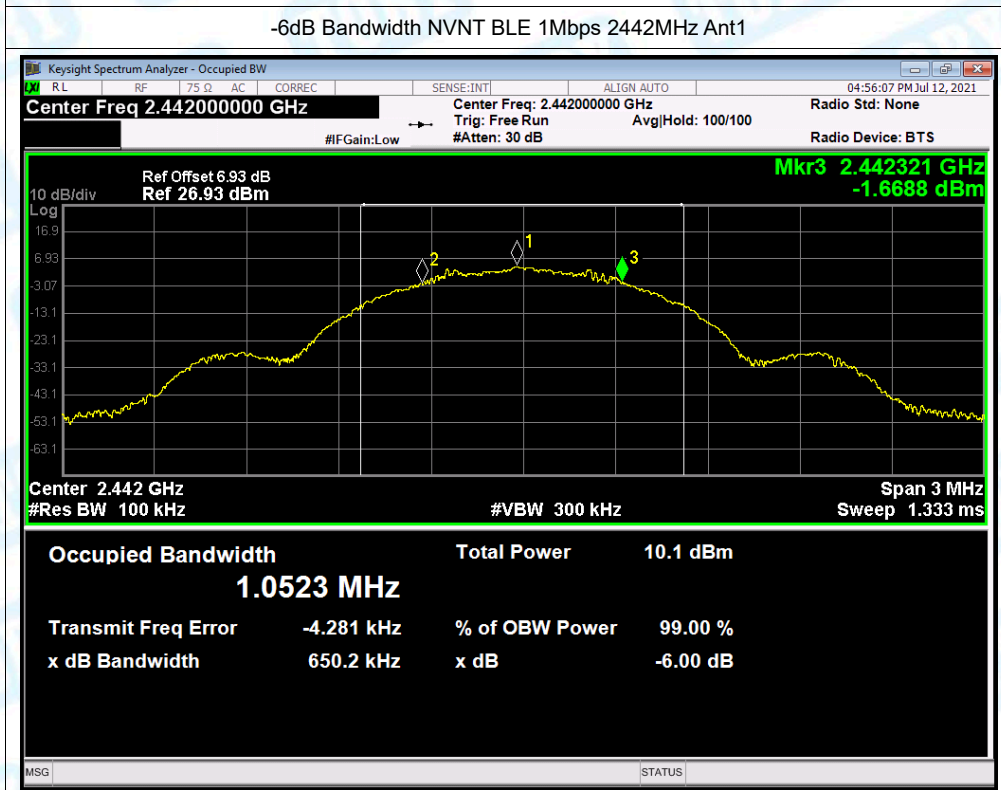
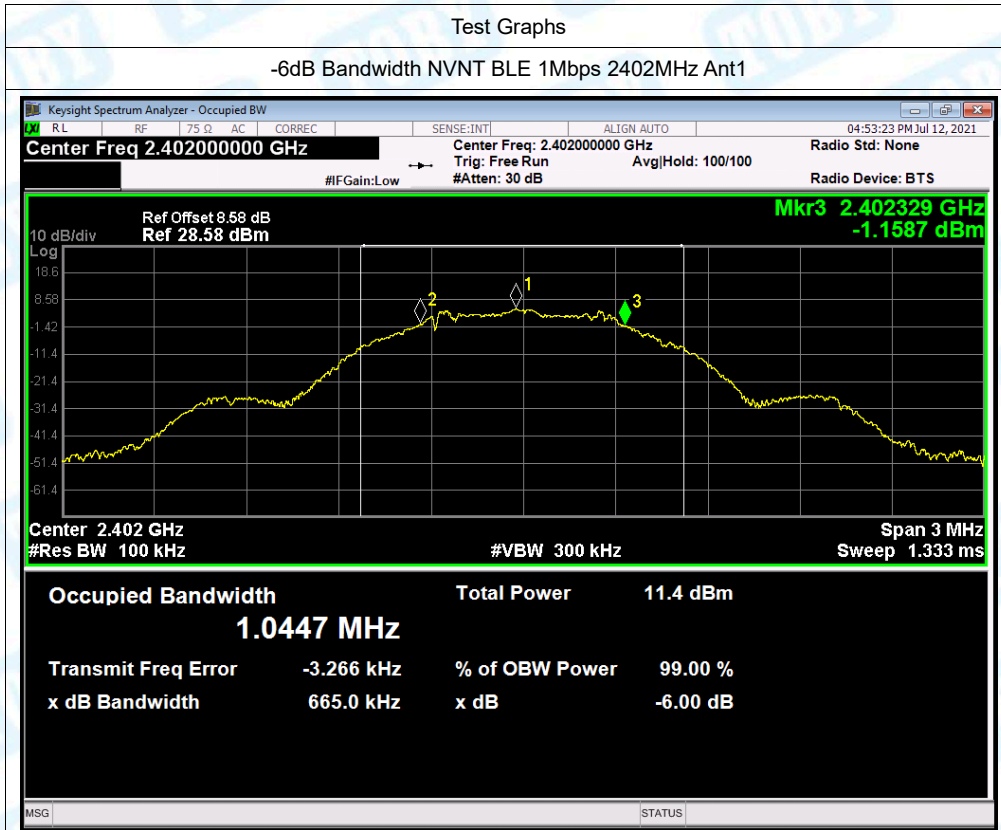




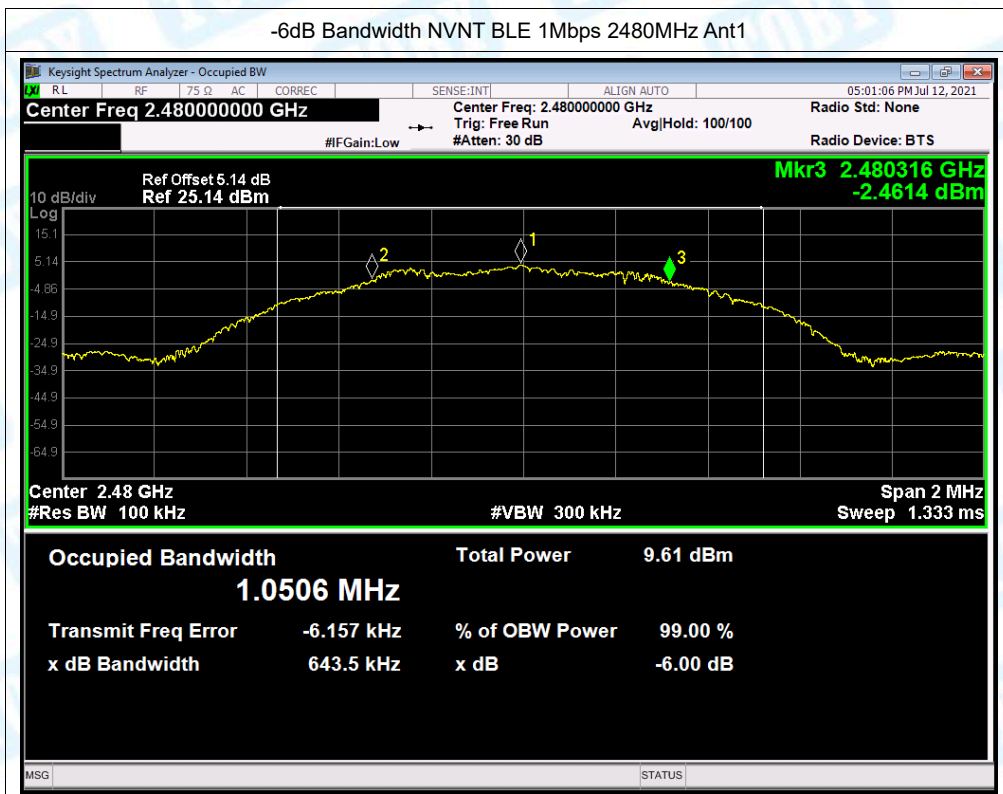


### 3. -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.665	0.5	Pass
NVNT	BLE 1Mbps	2442	Ant1	0.65	0.5	Pass
NVNT	BLE 1Mbps	2480	Ant1	0.643	0.5	Pass







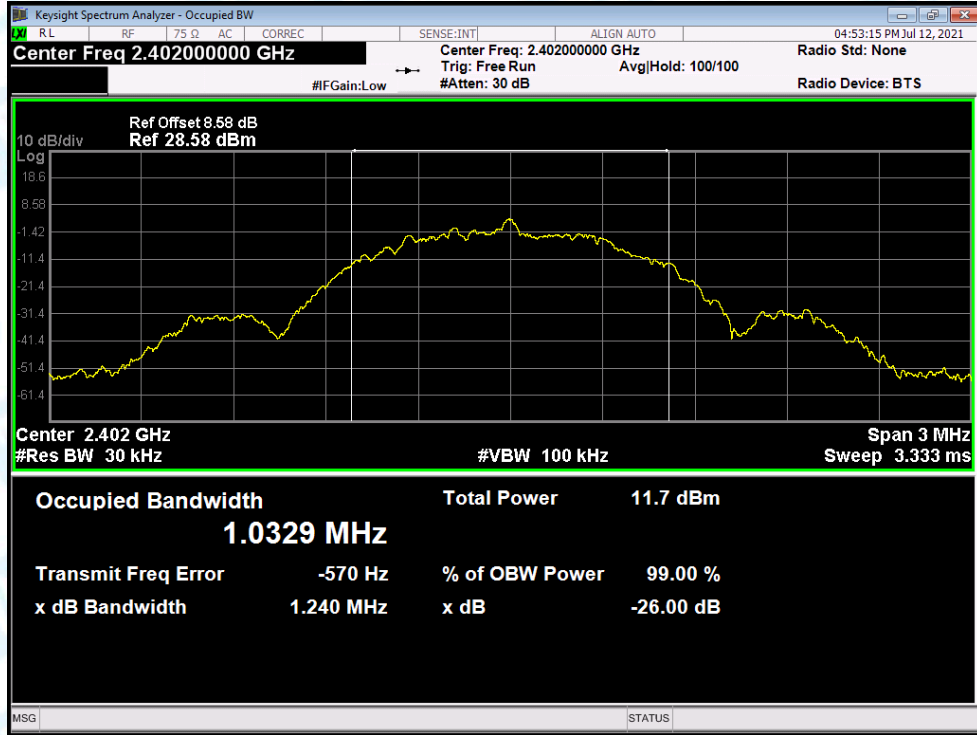
#### 4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1Mbps	2402	Ant1	1.032865854
NVNT	BLE 1Mbps	2442	Ant1	1.037635093
NVNT	BLE 1Mbps	2480	Ant1	1.030864783

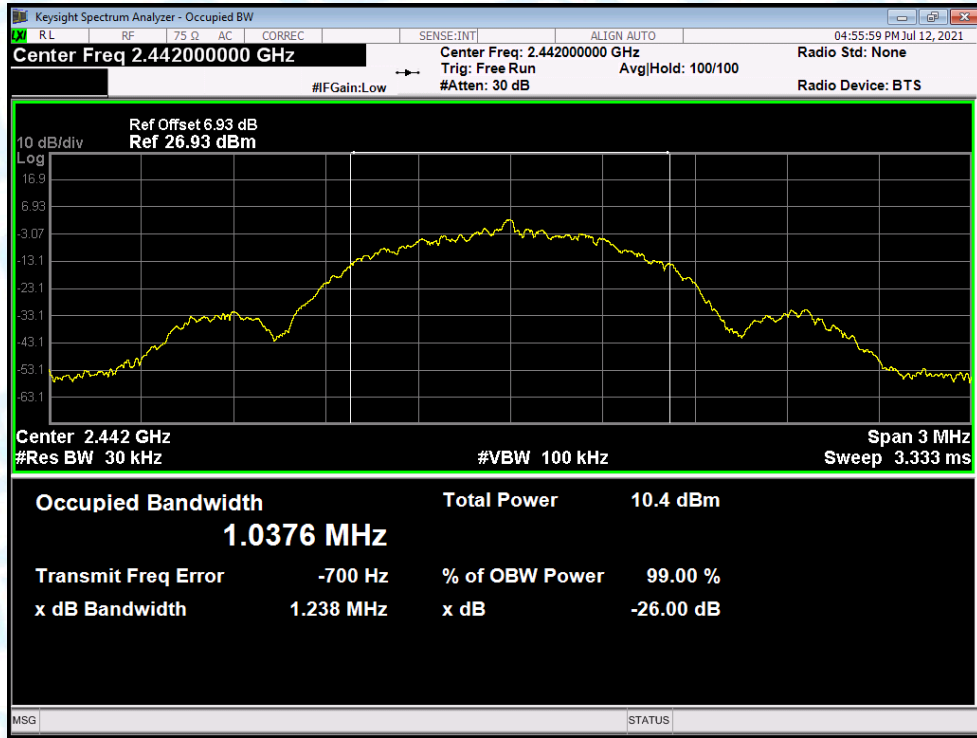


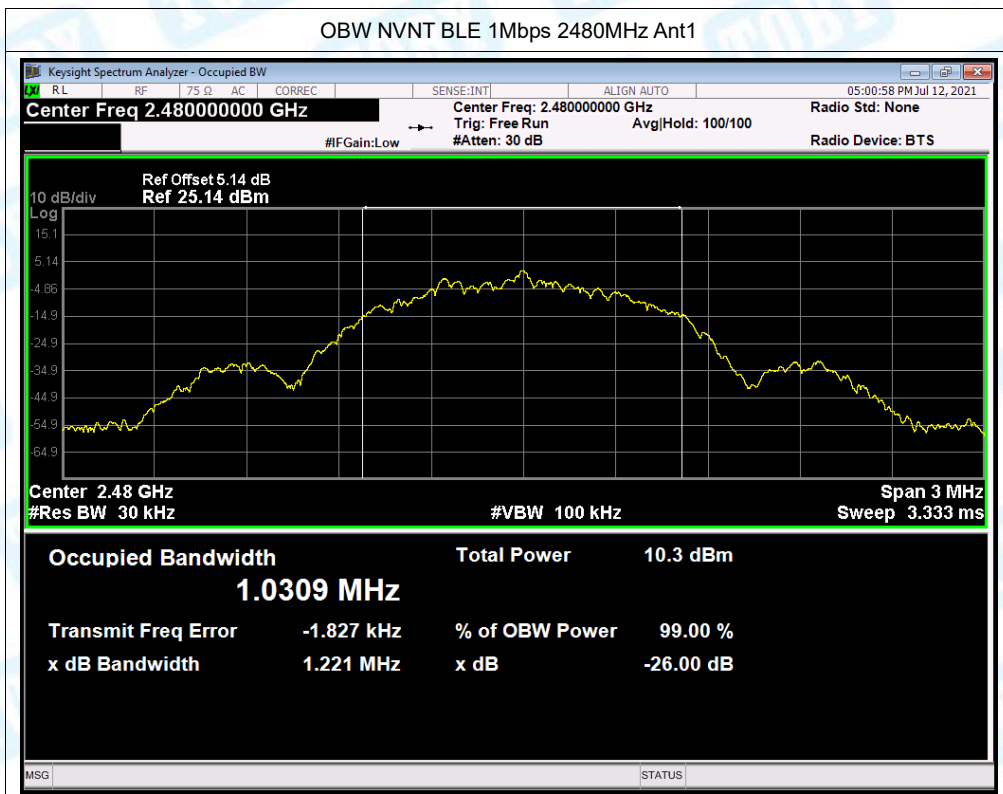
Test Graphs

OBW NVNT BLE 1Mbps 2402MHz Ant1



OBW NVNT BLE 1Mbps 2442MHz Ant1

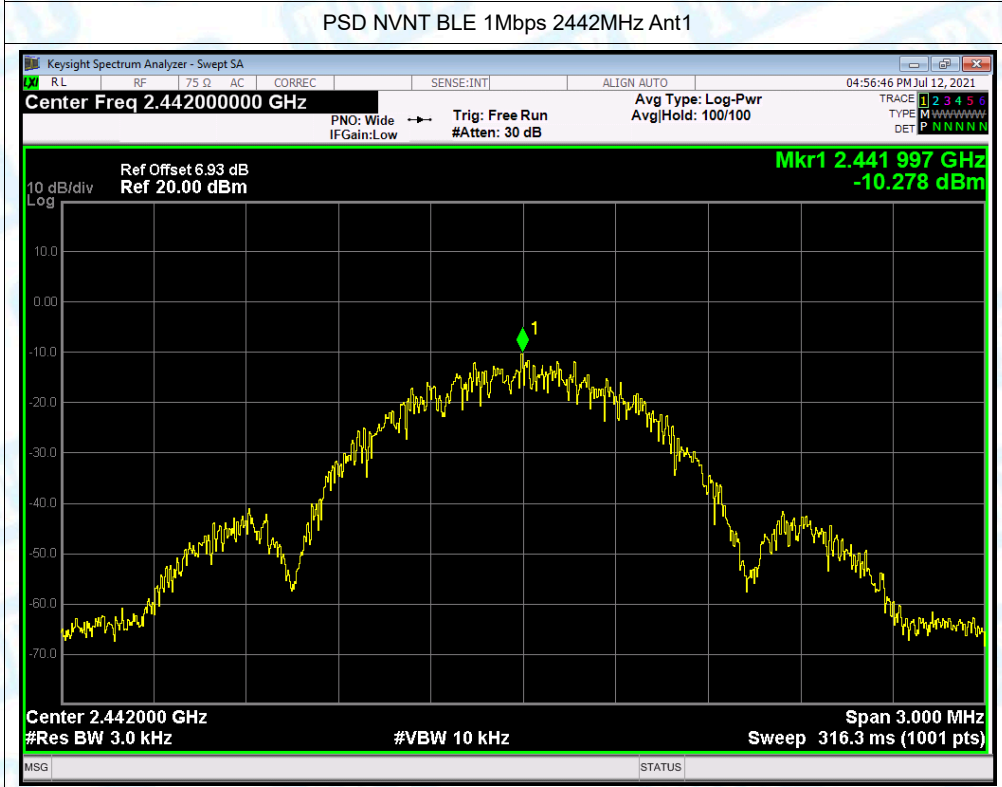
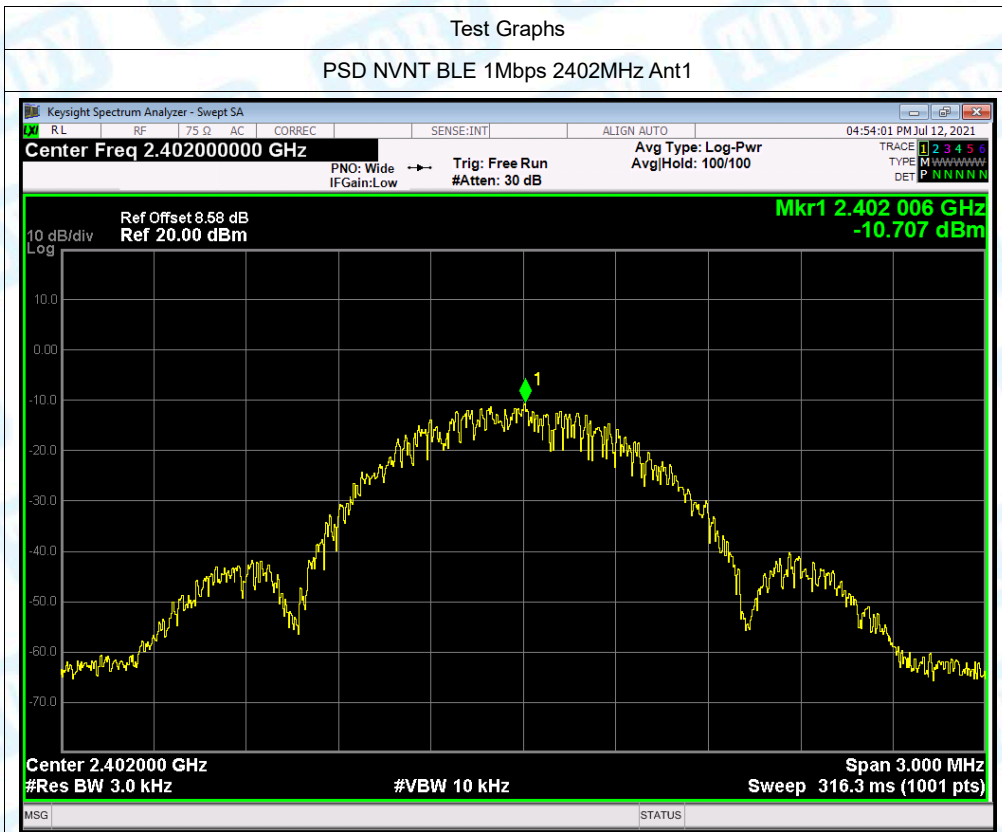




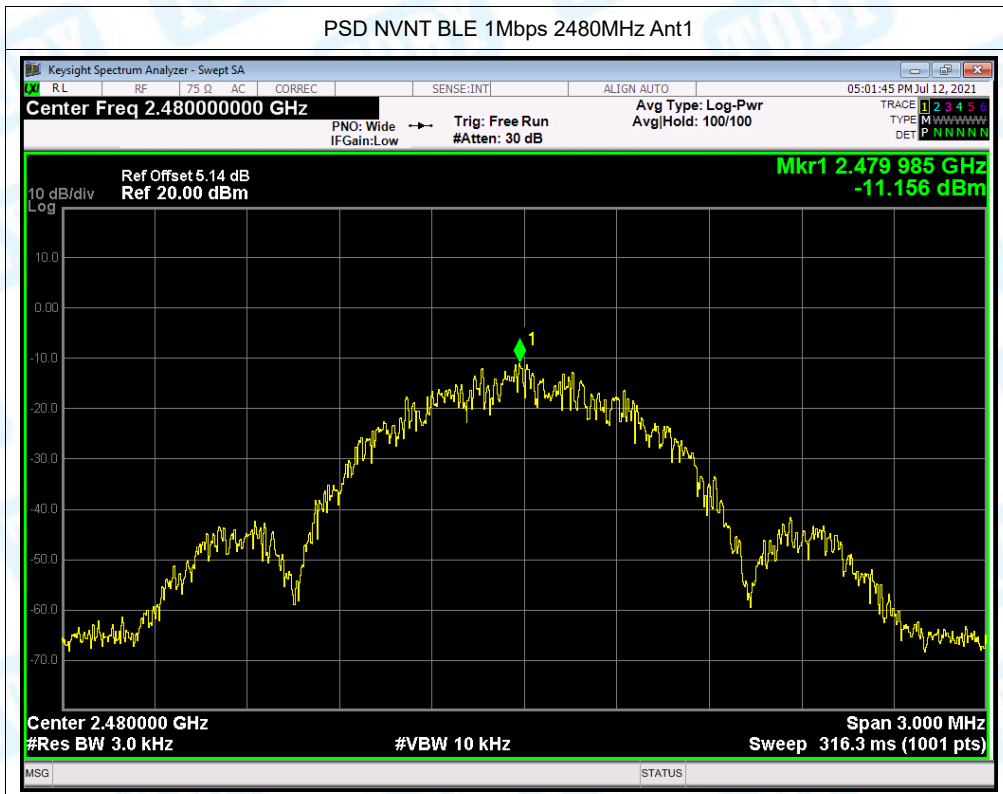


## 5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-10.707	8	Pass
NVNT	BLE 1Mbps	2442	Ant1	-10.278	8	Pass
NVNT	BLE 1Mbps	2480	Ant1	-11.156	8	Pass



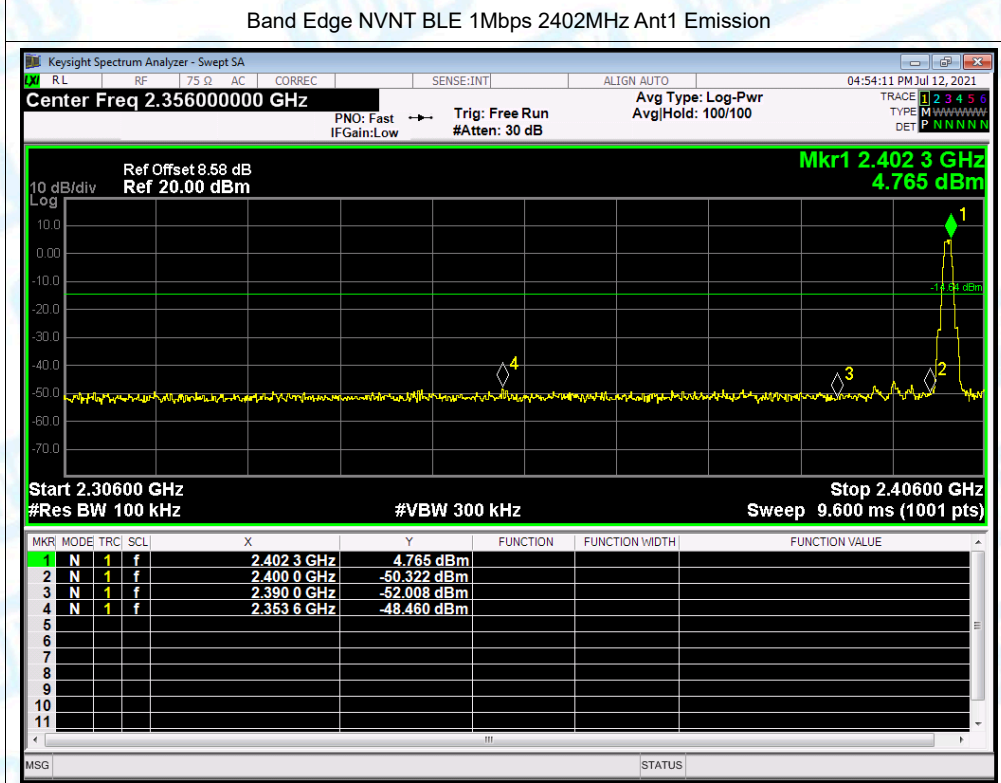
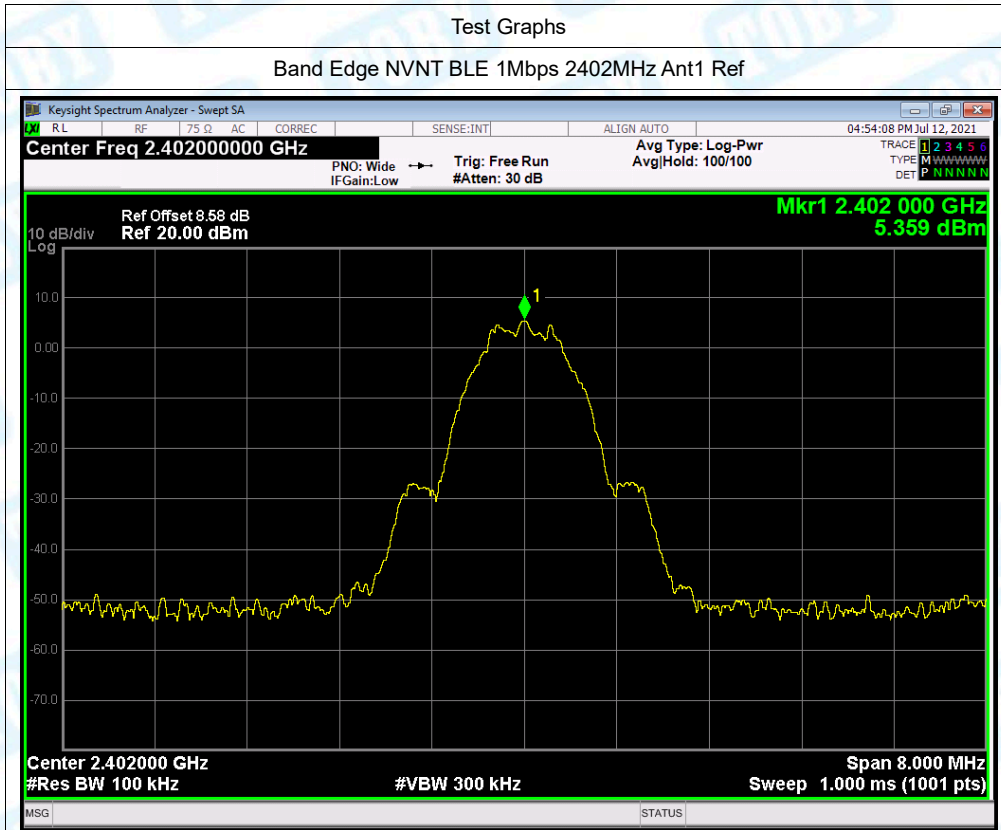


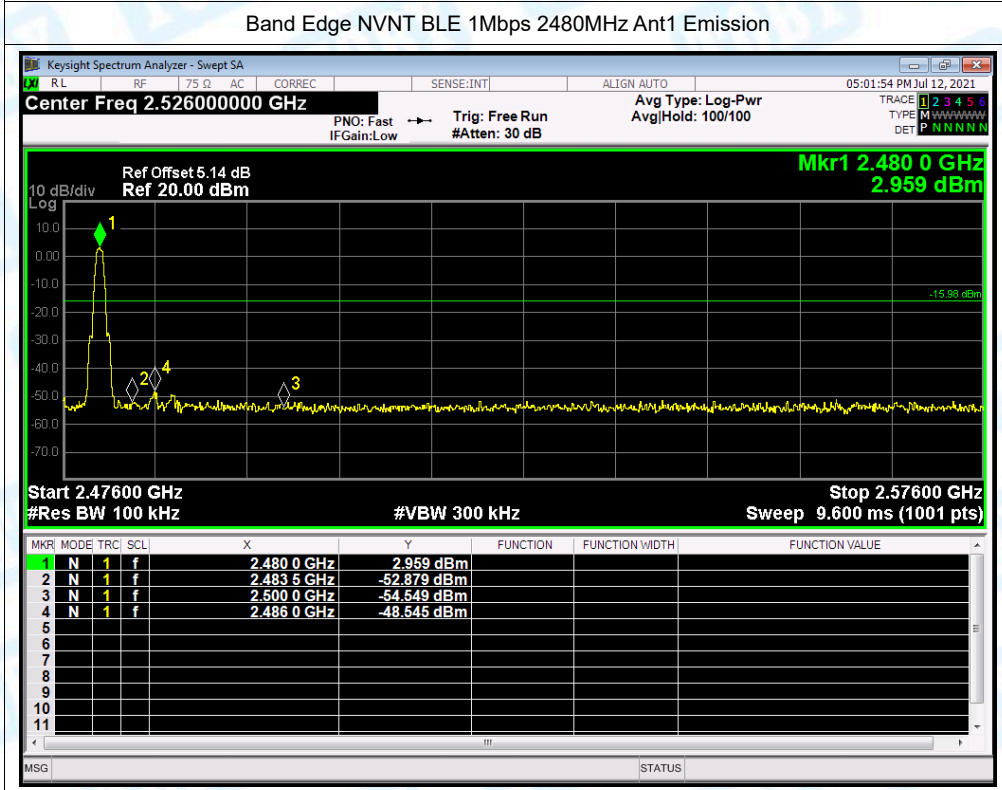
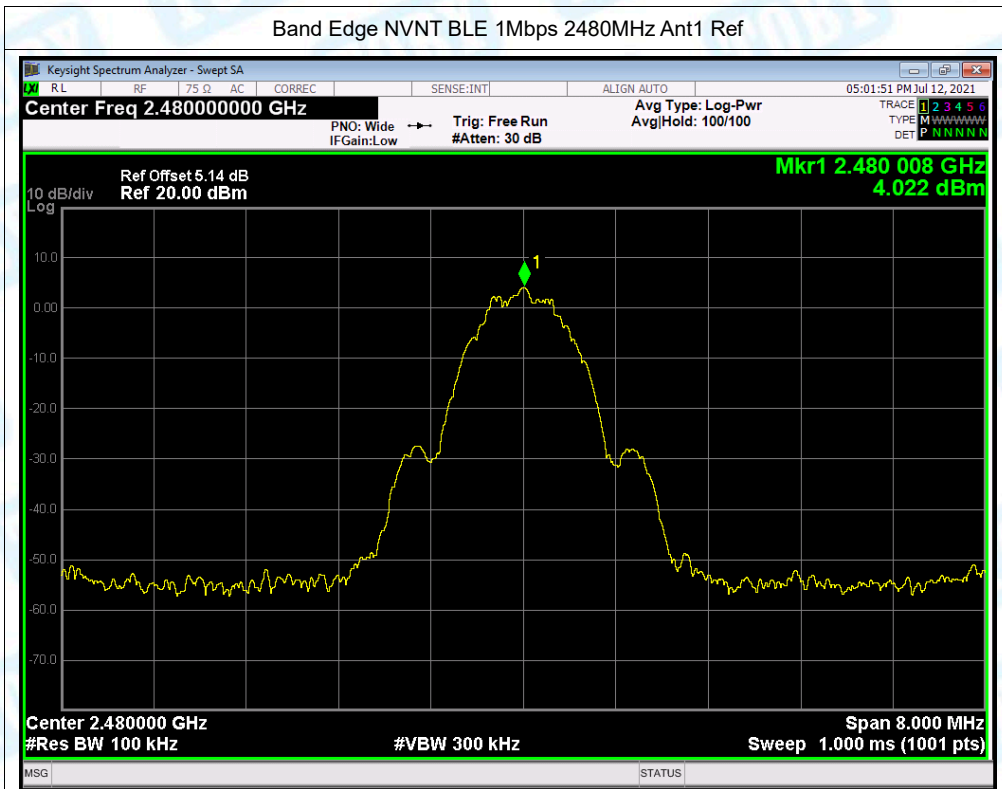


## 6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-53.82	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-52.56	-20	Pass



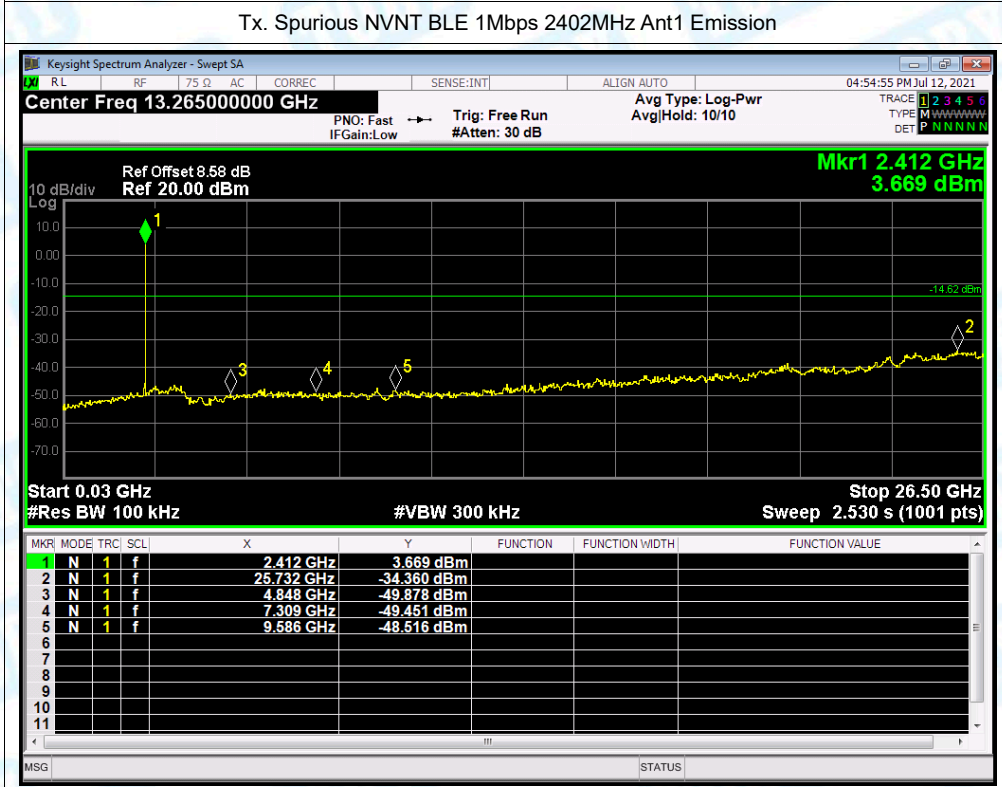
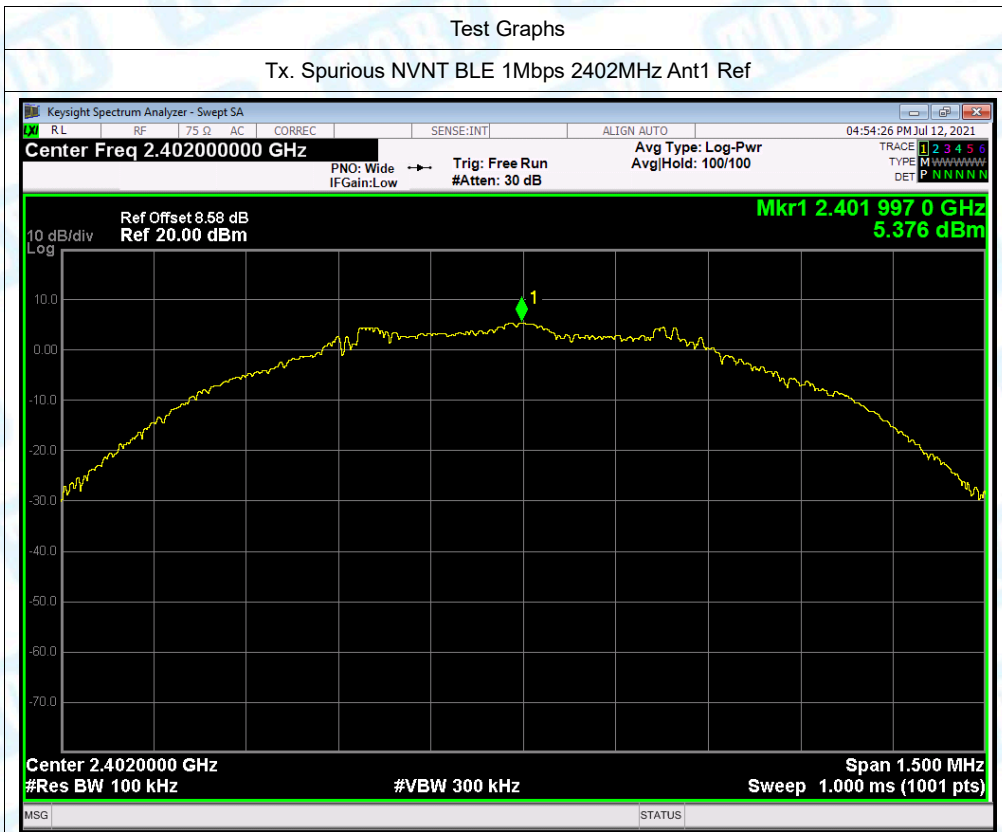






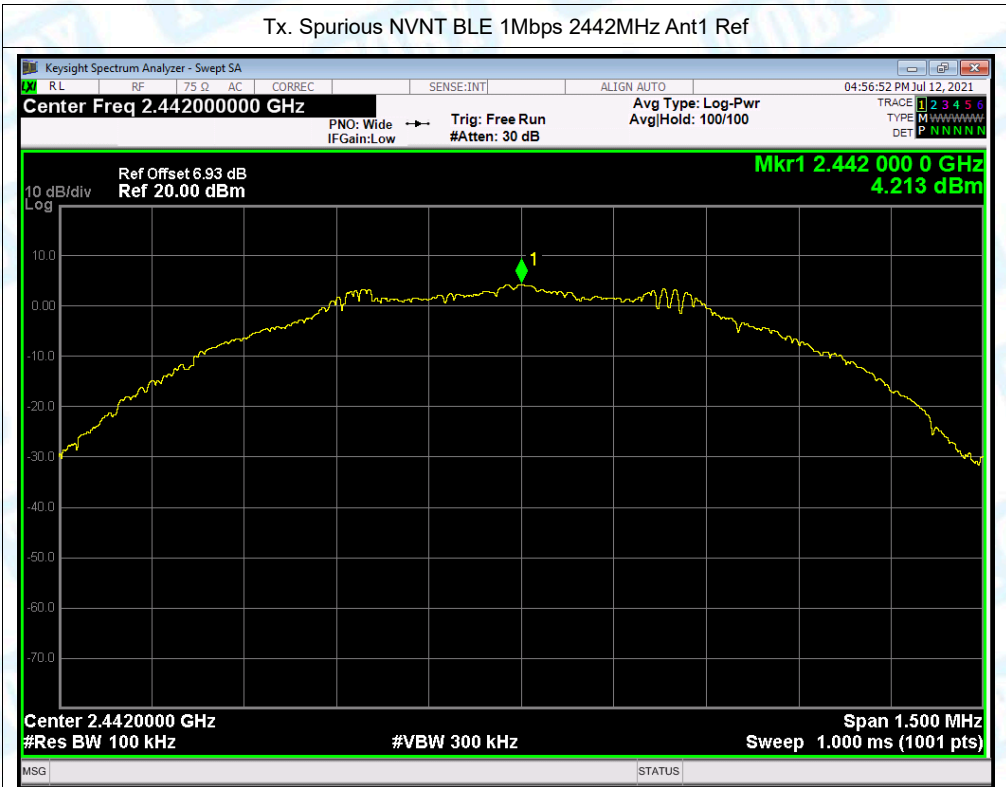
## 7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-39.74	-20	Pass
NVNT	BLE 1Mbps	2442	Ant1	-39.11	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-41.15	-20	Pass

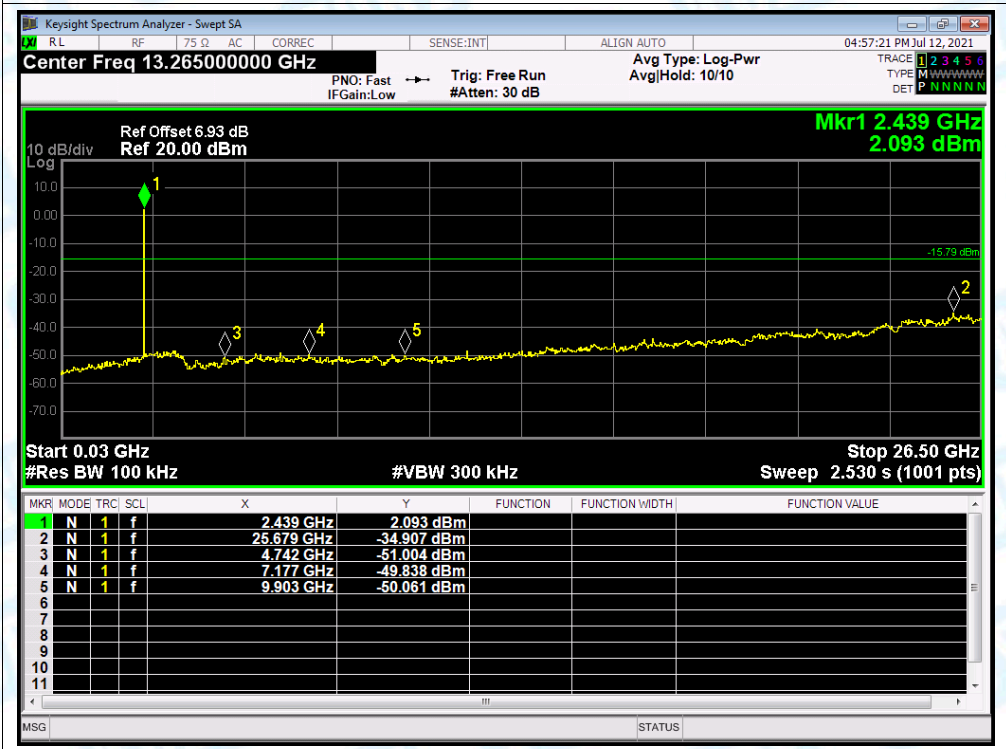




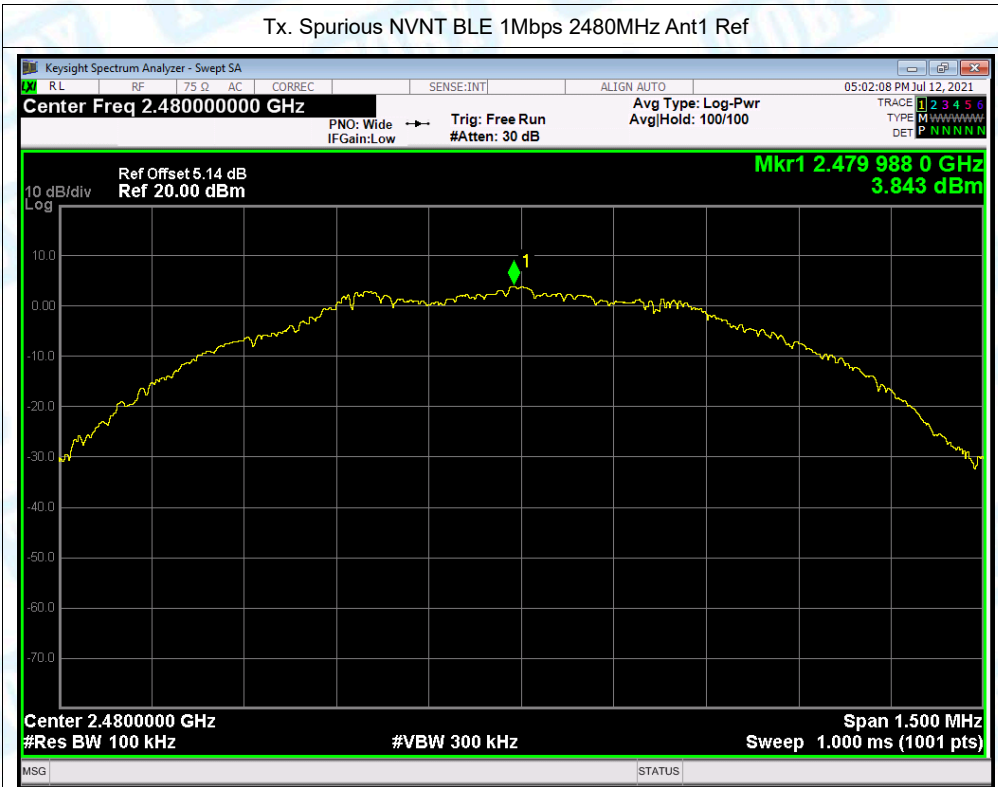
Tx. Spurious NVNT BLE 1Mbps 2442MHz Ant1 Ref



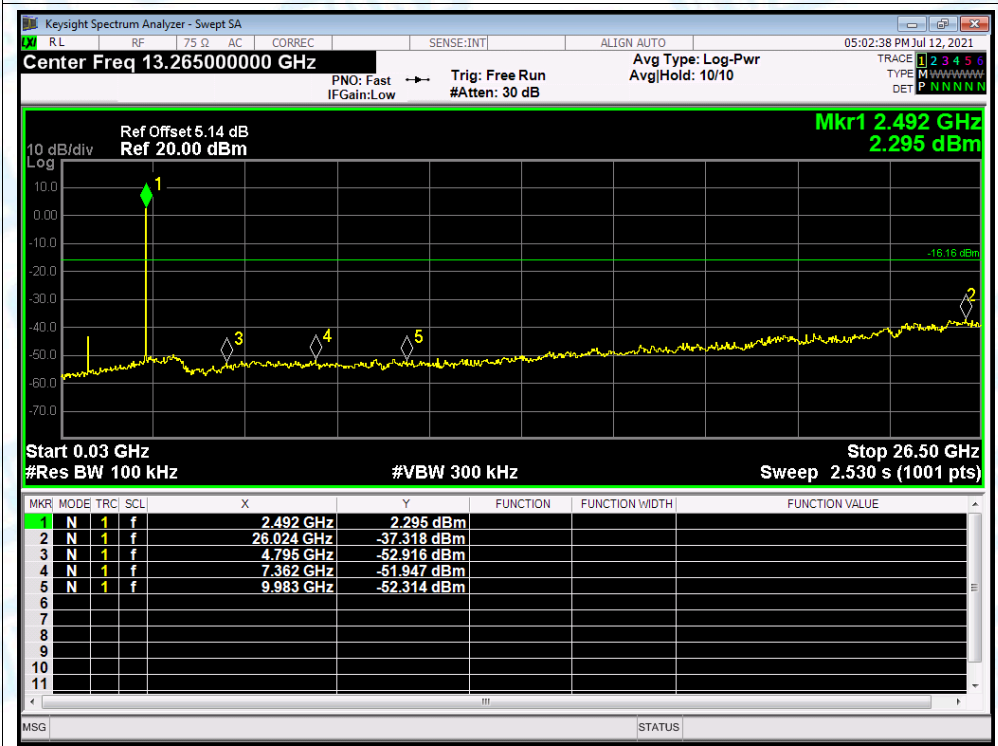
Tx. Spurious NVNT BLE 1Mbps 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Ref



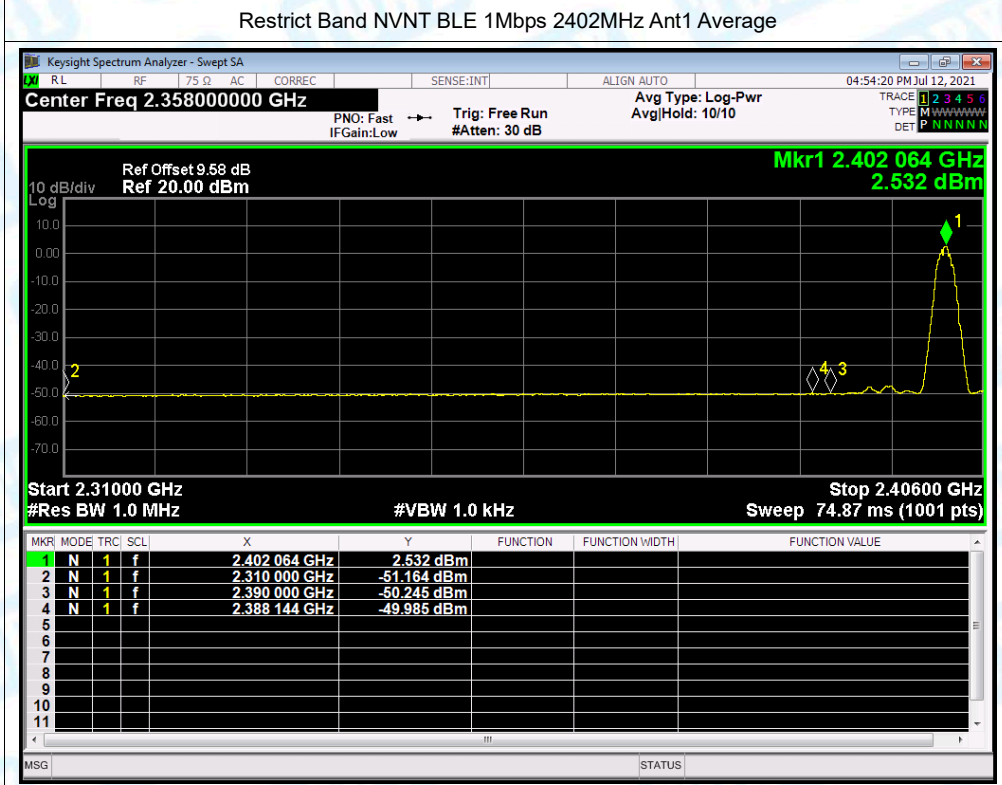
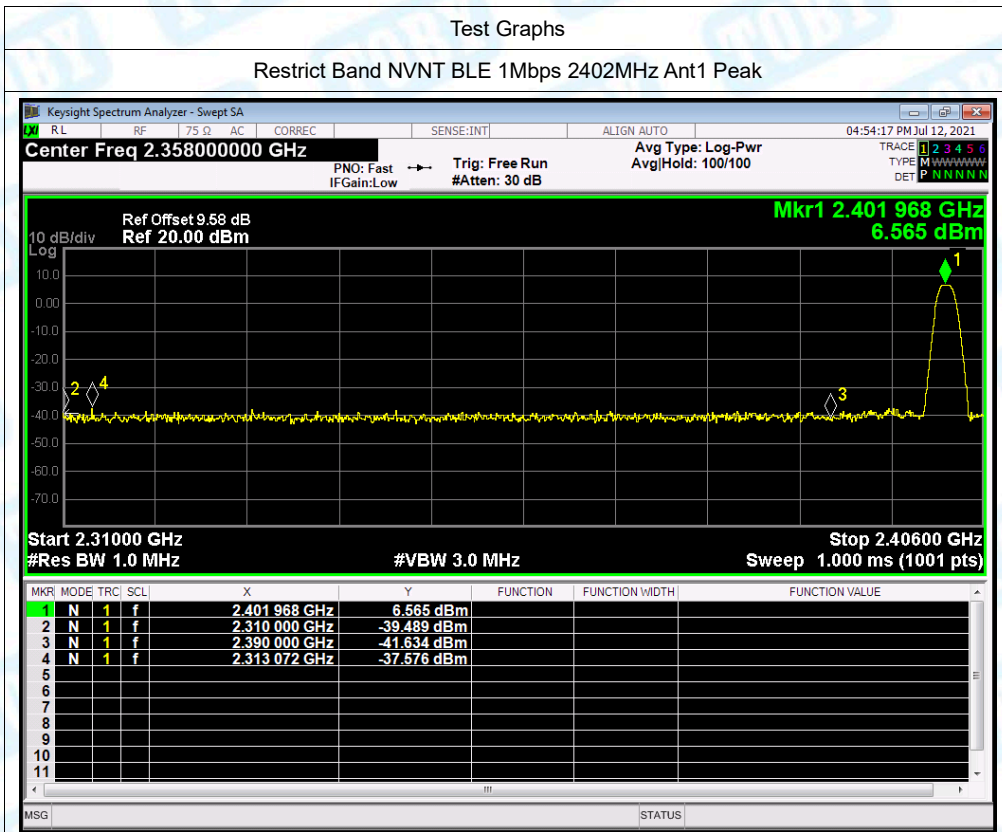
Tx. Spurious NVNT BLE 1Mbps 2480MHz Ant1 Emission



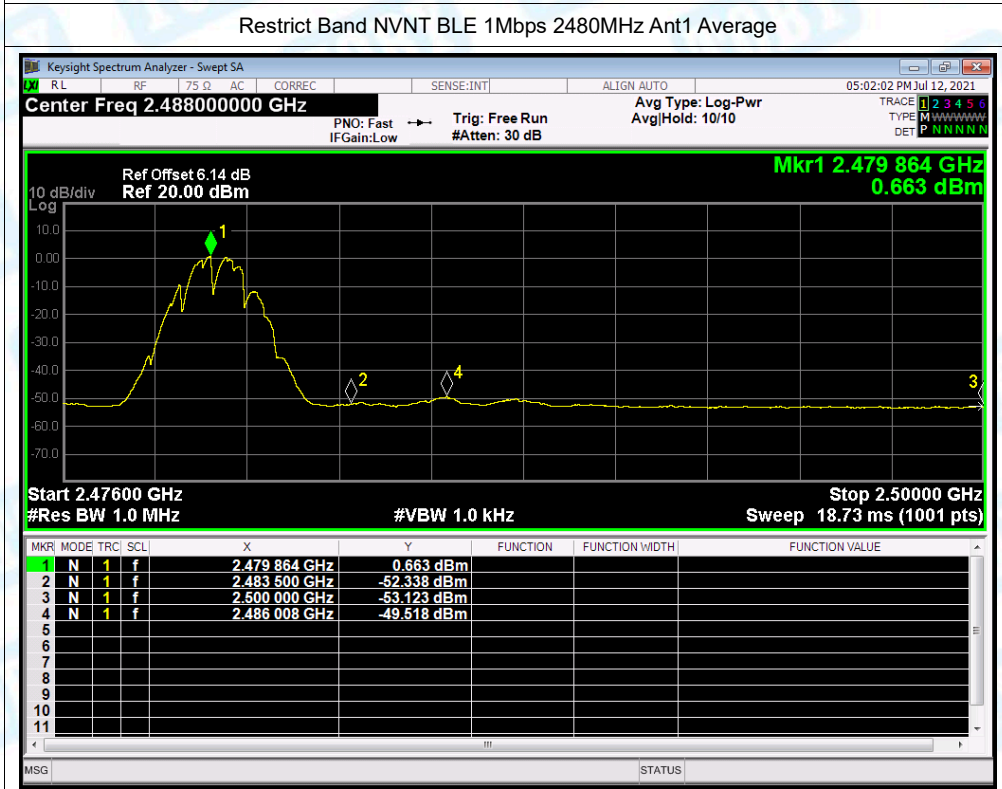
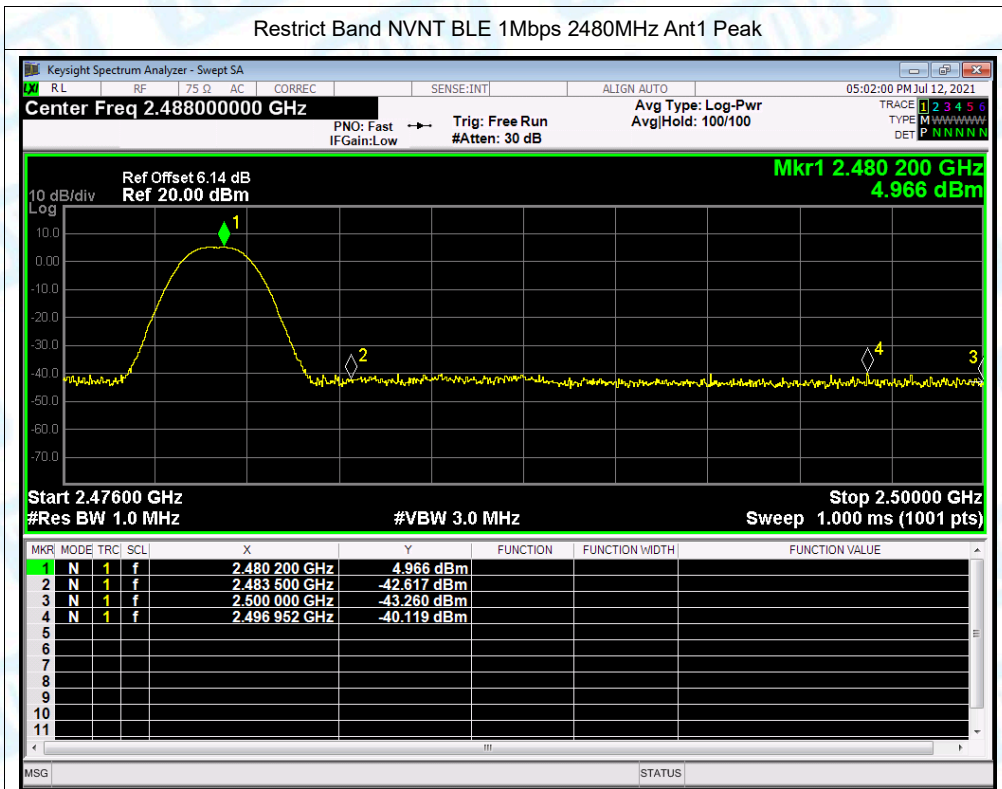


### 8. Restrict Band

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	-40.67	1	56.59	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2310	-50.99	1	46.27	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2313.072	-37.57	1	59.69	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2388.144	-49.98	1	47.28	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-41.32	1	55.94	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-50.25	1	47.01	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-42.61	1	54.65	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-52.33	1	44.93	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2496.952	-40.11	1	57.15	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2486.008	-49.51	1	47.75	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-43.26	1	54	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-53.12	1	44.14	Average	54	Pass







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