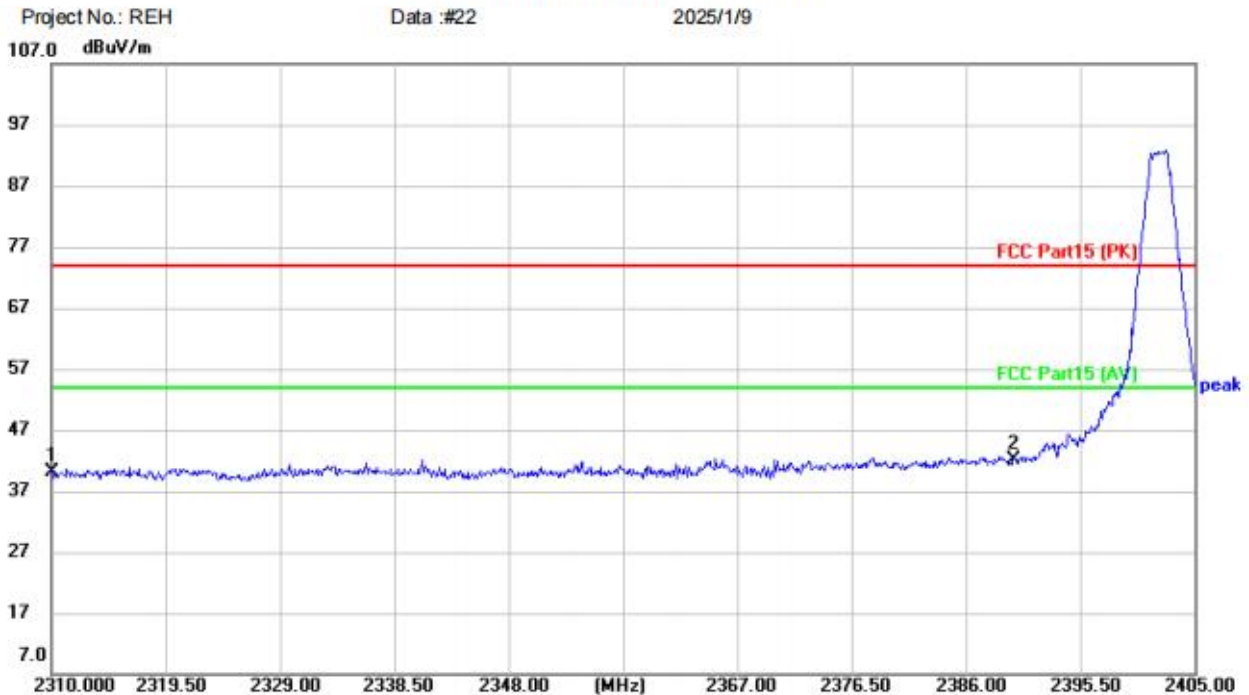


[Test mode:TX low channel]; [Polarity: Vertical] ;[Power: DC5V]

Radiated Emission Measurement



Site Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: USB Wireless Dongle

M/N: AERBT-DGL

Mode: BLE2M-2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.000	42.88	-2.87	40.01	74.00	-33.99	peak	
2	*	2390.000	44.64	-2.44	42.20	74.00	-31.80	peak	

Test Result: Pass

[Test mode: TX High channel]; [Polarity: Horizontal] ;[Power: DC5V]

Radiated Emission Measurement



Site Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: USB Wireless Dongle

M/N: AERBT-DGL

Mode: BLE2M-2480

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2483.500	47.88	-2.91	44.97	74.00	-29.03	peak	
2		2500.000	41.29	-3.00	38.29	74.00	-35.71	peak	

Test Result: Pass

[Test mode:TX High channel]; [Polarity: Vertical] ;[Power: DC5V]

Radiated Emission Measurement



Site Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: USB Wireless Dongle

M/N: AERBT-DGL

Mode: BLE2M-2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2483.500	47.61	-2.91	44.70	74.00	-29.30	peak	
2		2500.000	44.36	-3.00	41.36	74.00	-32.64	peak	

Test Result: Pass

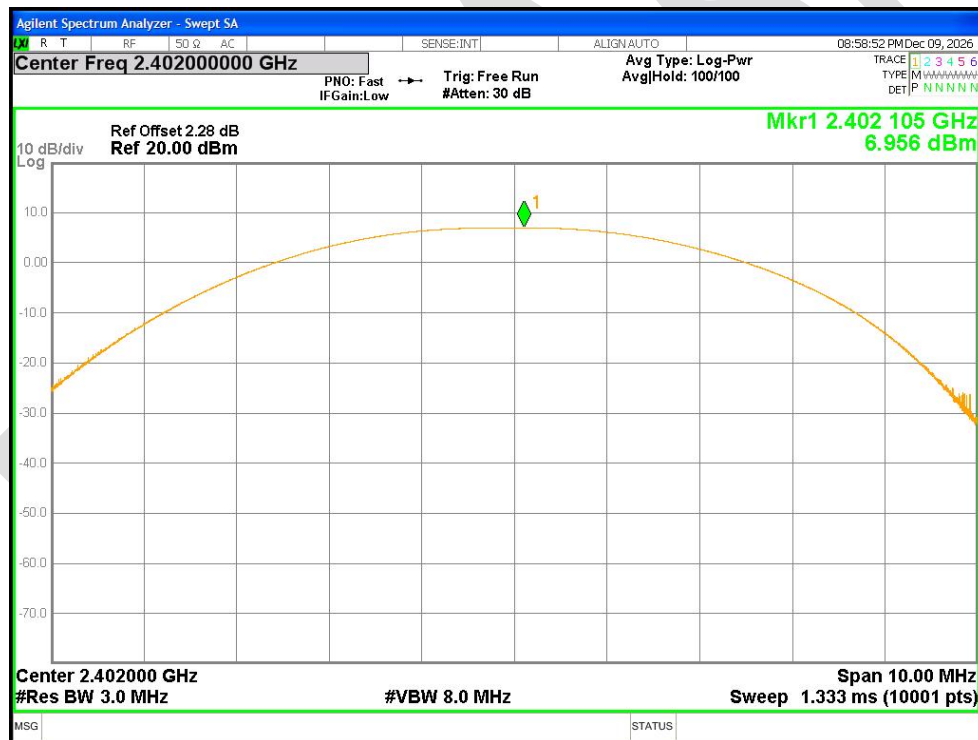
For Radiated emission,1Mbps and 2Mbps mode all have been tested,only worse case 2Mbps mode is reported.

7 Appendix A

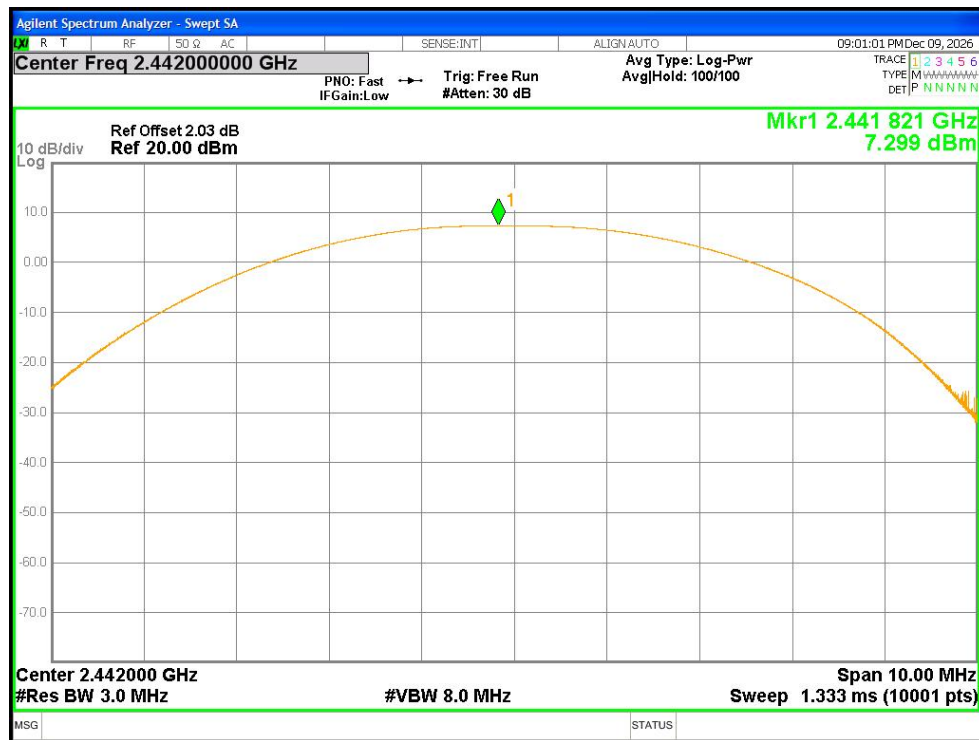
7.1 Maximum PK Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	6.956	30	Pass
NVNT	BLE 1M	2442	Ant1	7.299	30	Pass
NVNT	BLE 1M	2480	Ant1	7.381	30	Pass
NVNT	BLE 2M	2402	Ant1	6.975	30	Pass
NVNT	BLE 2M	2442	Ant1	7.317	30	Pass
NVNT	BLE 2M	2480	Ant1	7.425	30	Pass

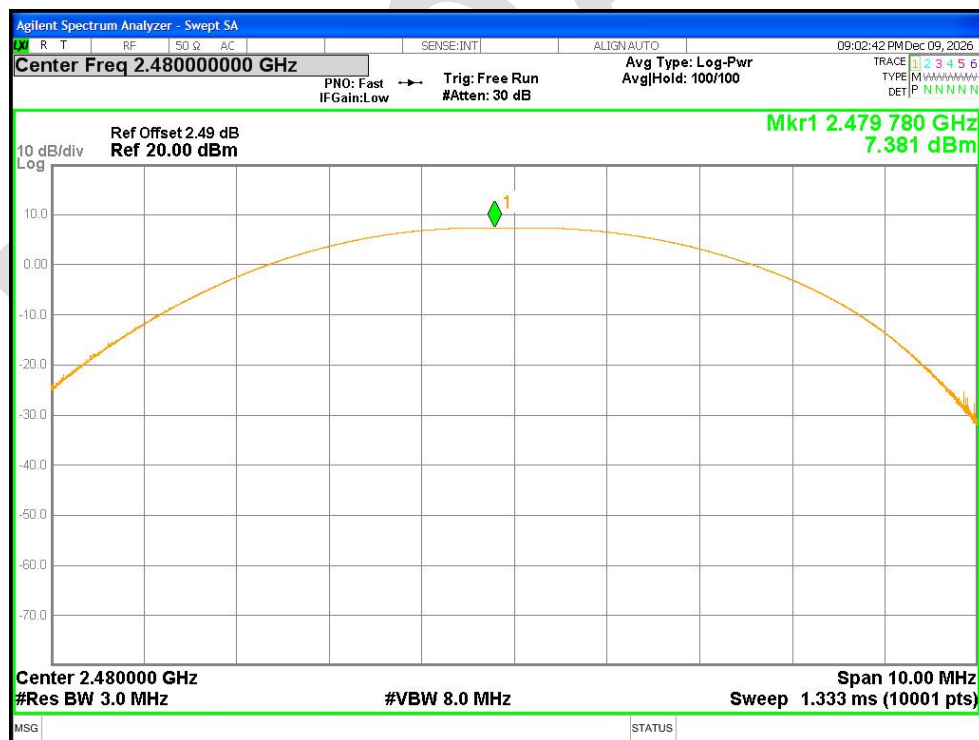
Power NVNT BLE 1M 2402MHz Ant1



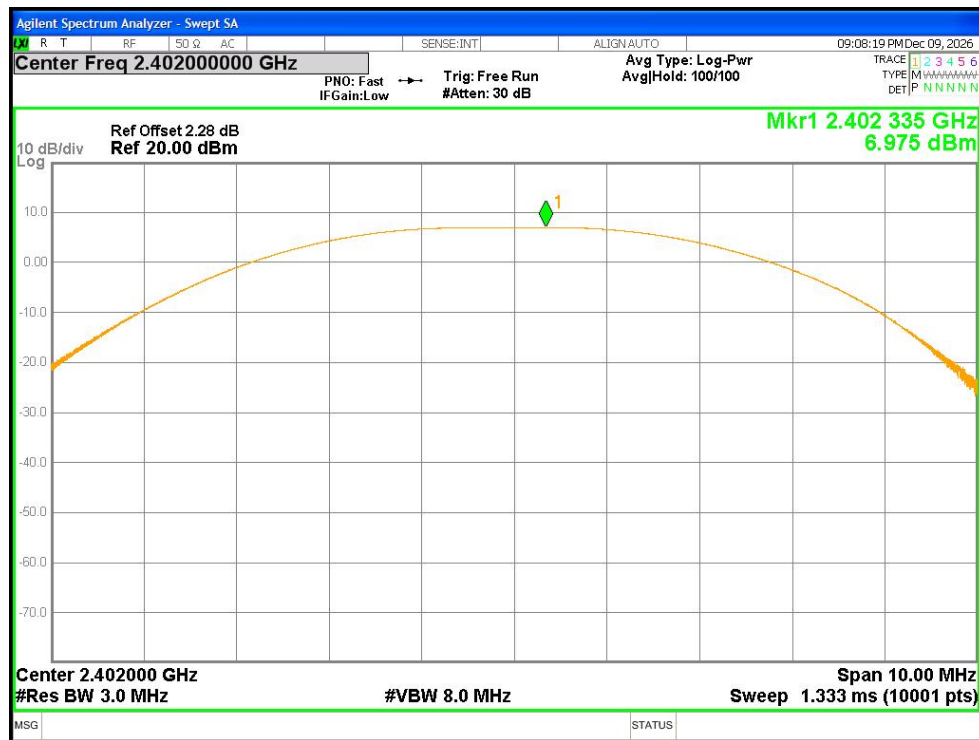
Power NVNT BLE 1M 2442MHz Ant1



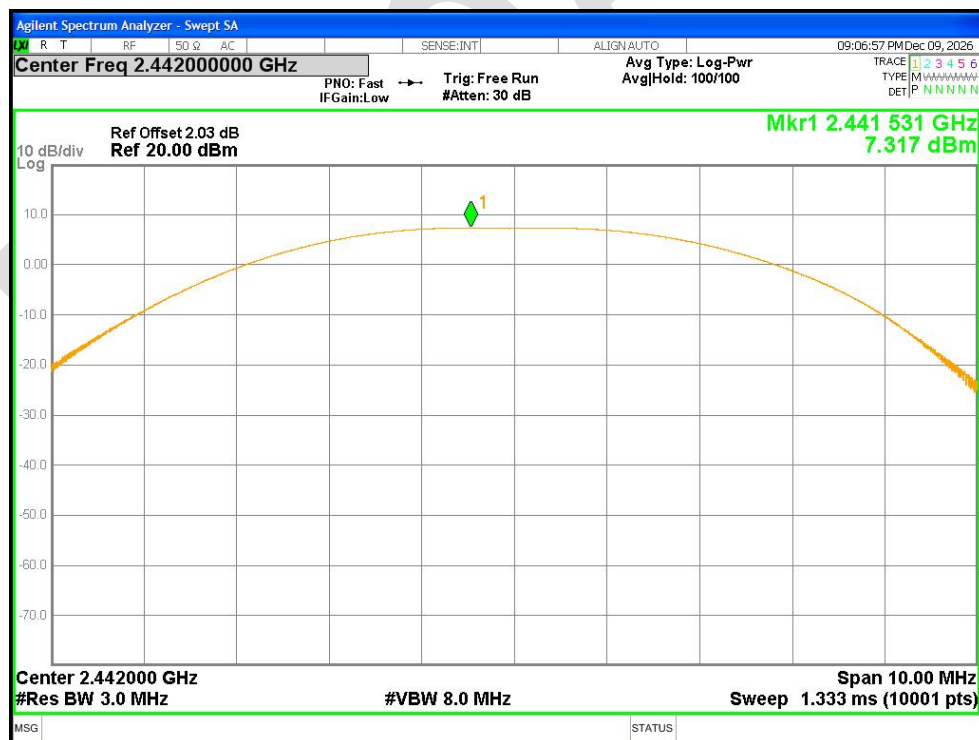
Power NVNT BLE 1M 2480MHz Ant1



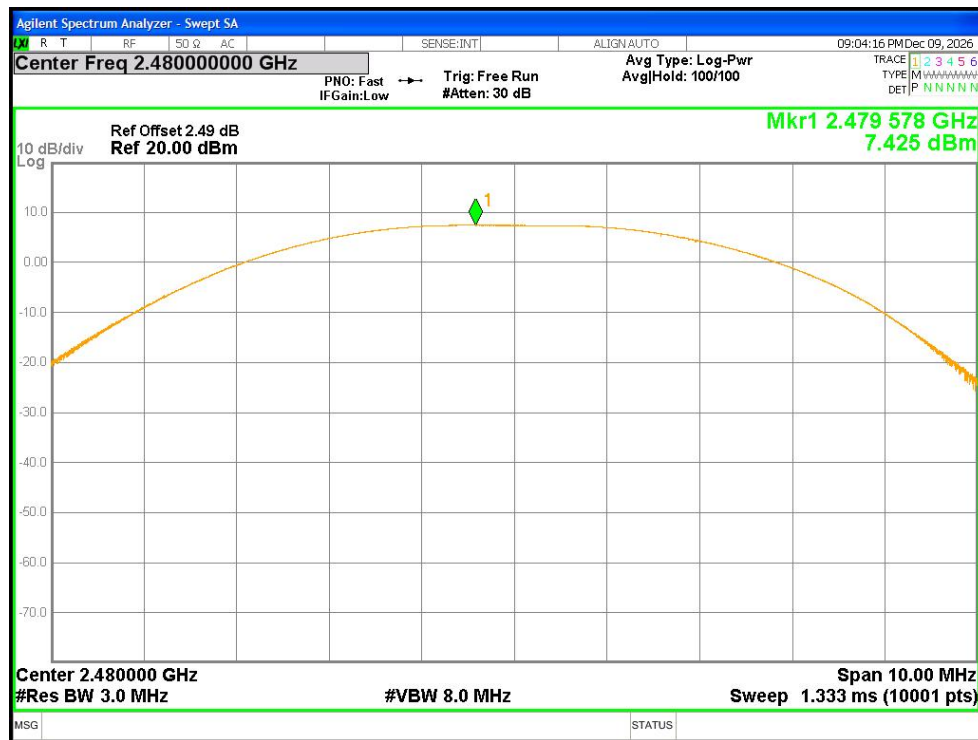
Power NVNT BLE 2M 2402MHz Ant1



Power NVNT BLE 2M 2442MHz Ant1



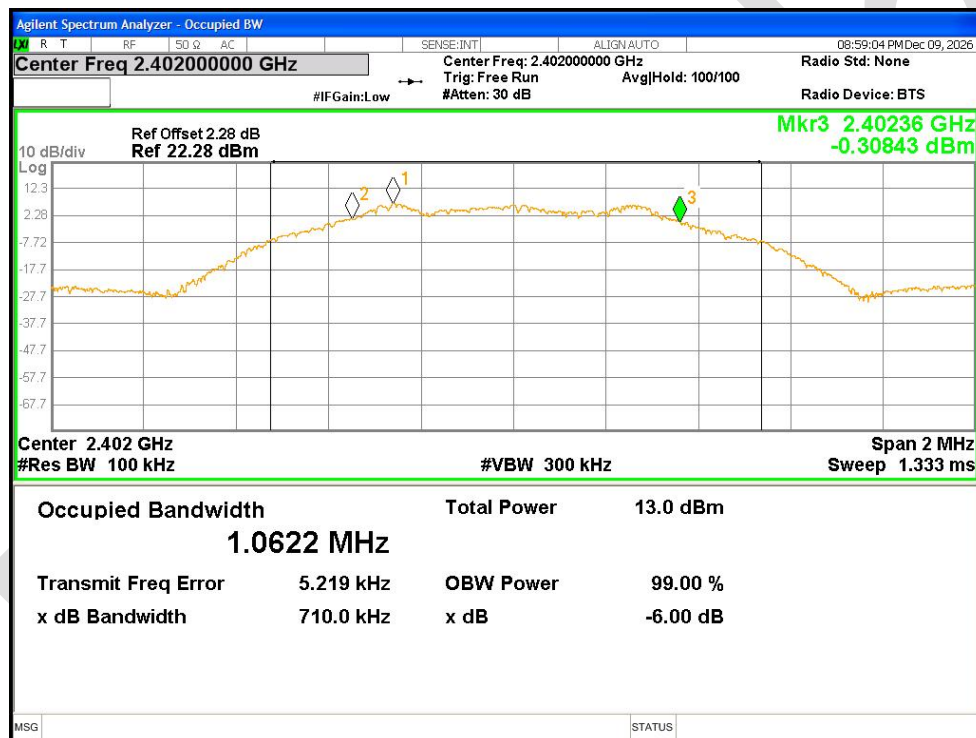
Power NVNT BLE 2M 2480MHz Ant1



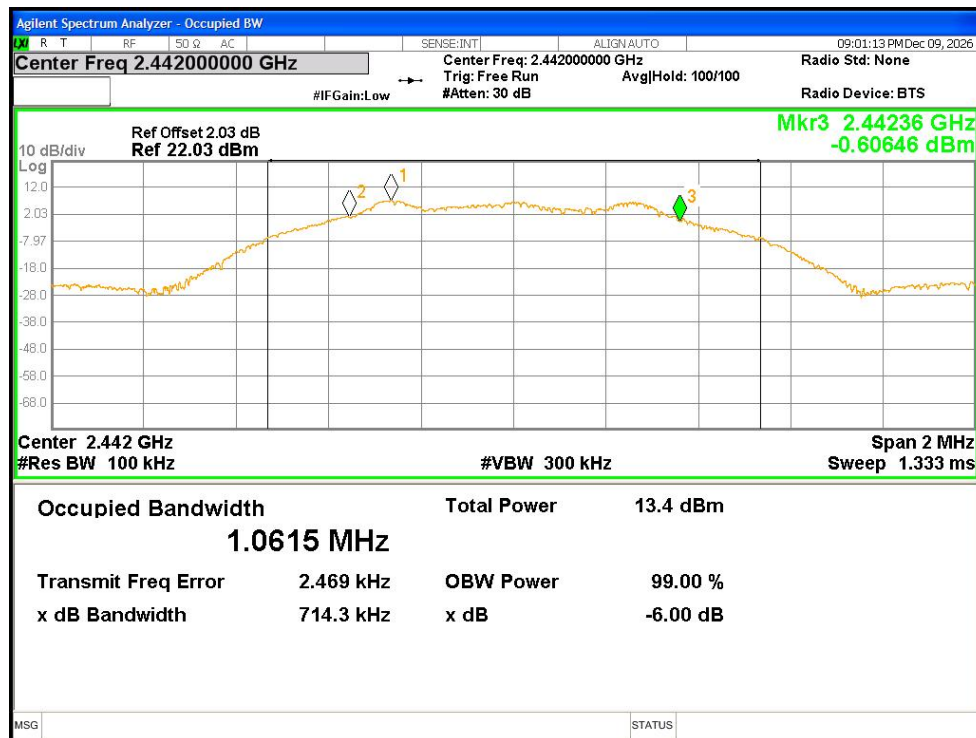
7.2 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.71	0.5	Pass
NVNT	BLE 1M	2442	Ant1	0.714	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.708	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.259	0.5	Pass
NVNT	BLE 2M	2442	Ant1	1.266	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.209	0.5	Pass

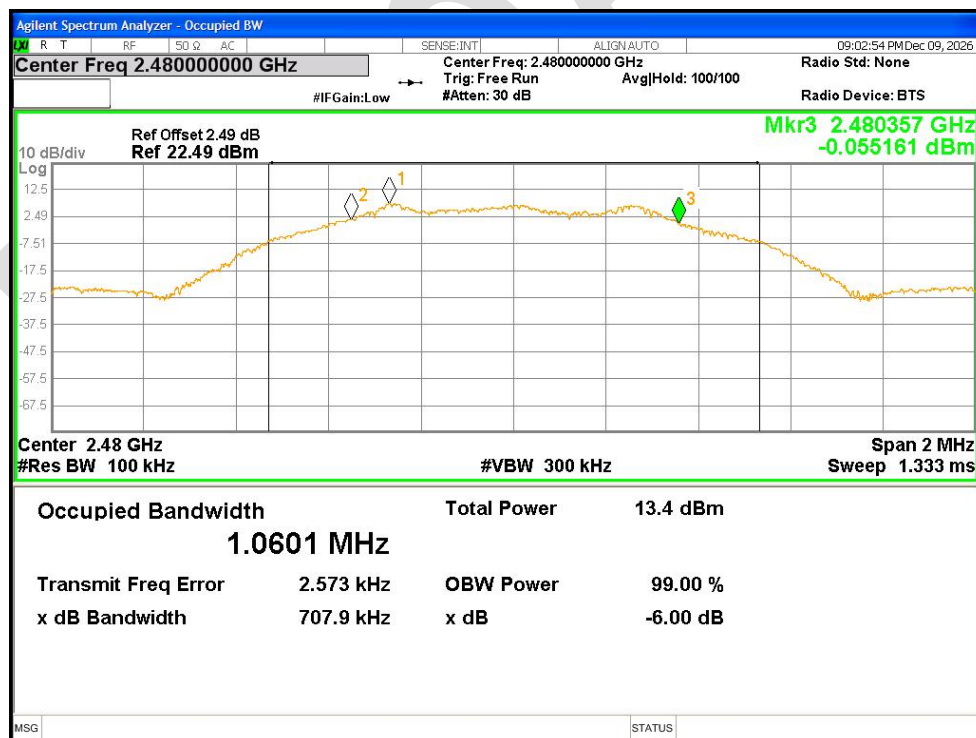
-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



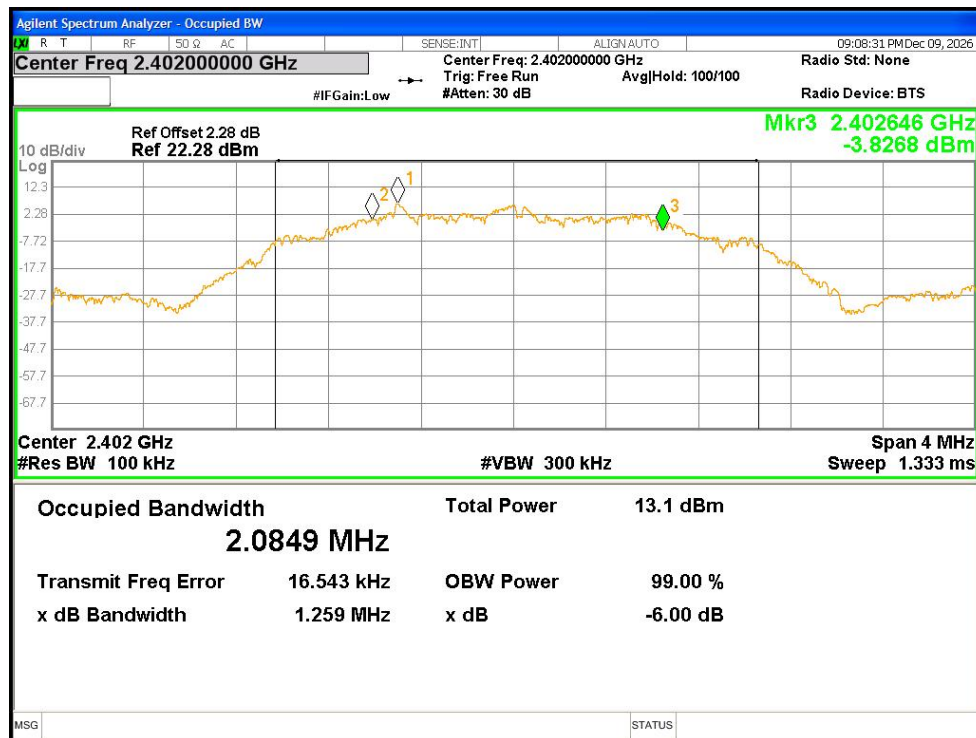
-6dB Bandwidth NVNT BLE 1M 2442MHz Ant1



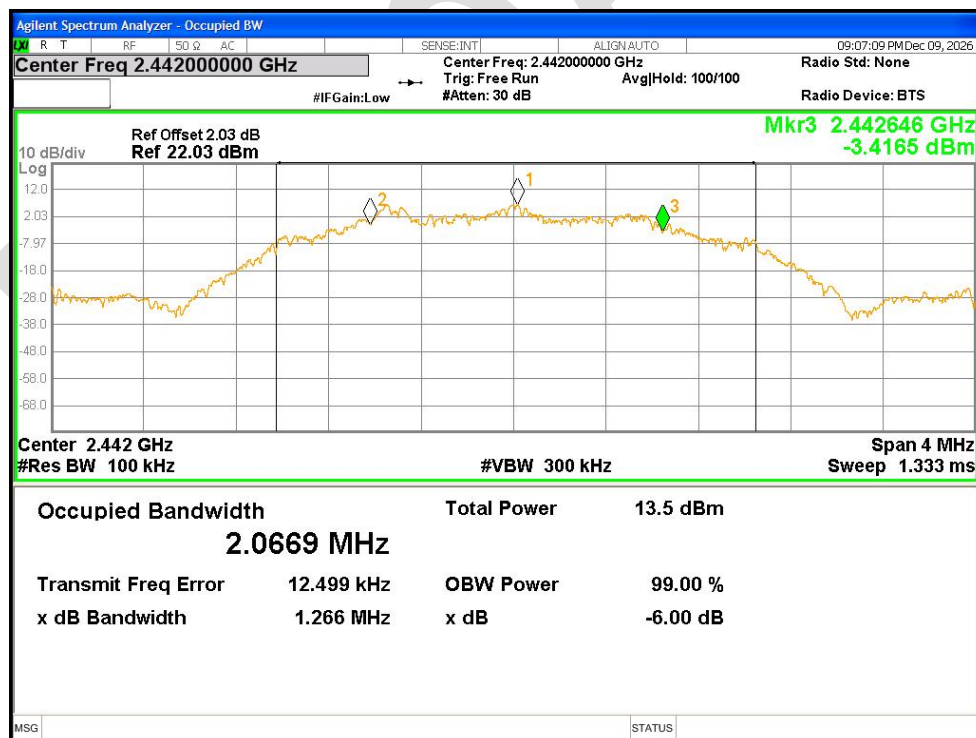
-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1



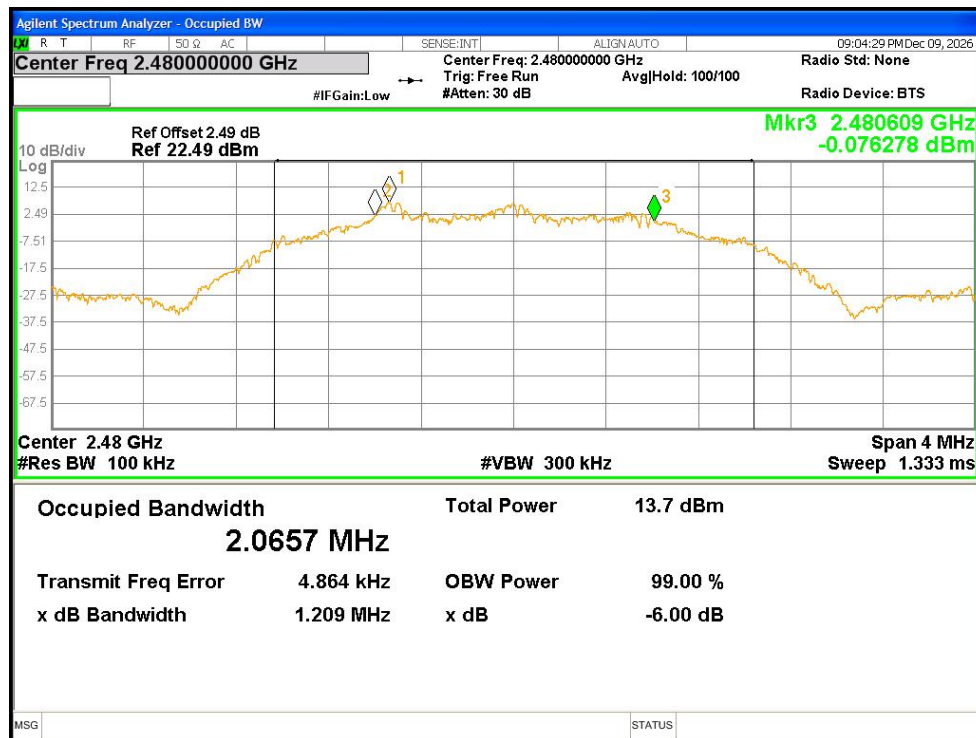
-6dB Bandwidth NVNT BLE 2M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 2M 2442MHz Ant1



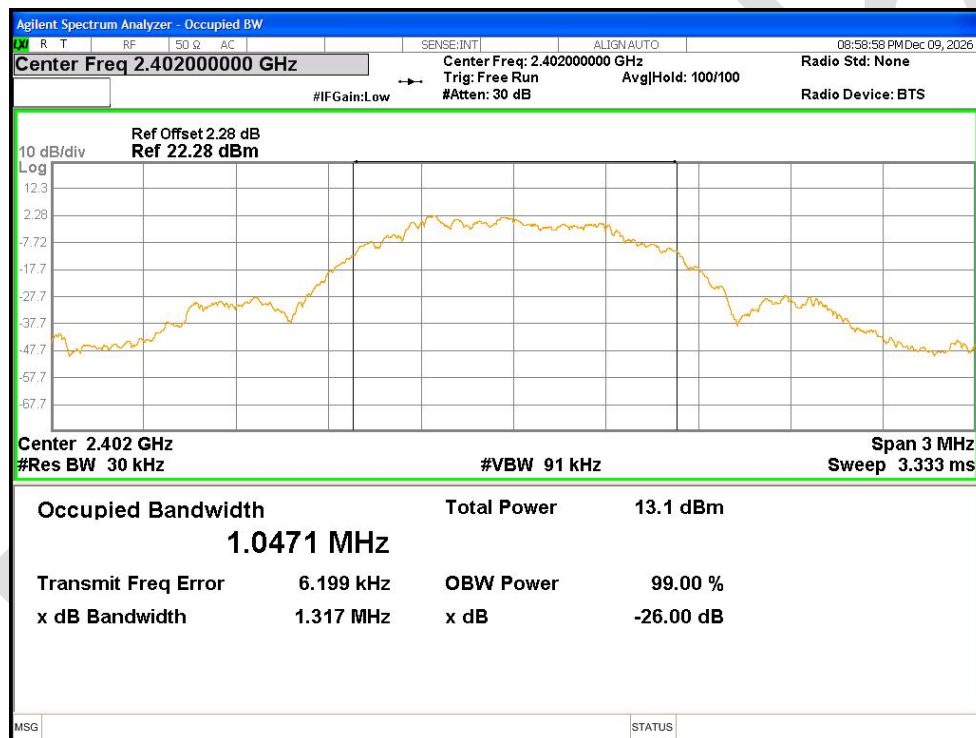
-6dB Bandwidth NVNT BLE 2M 2480MHz Ant1



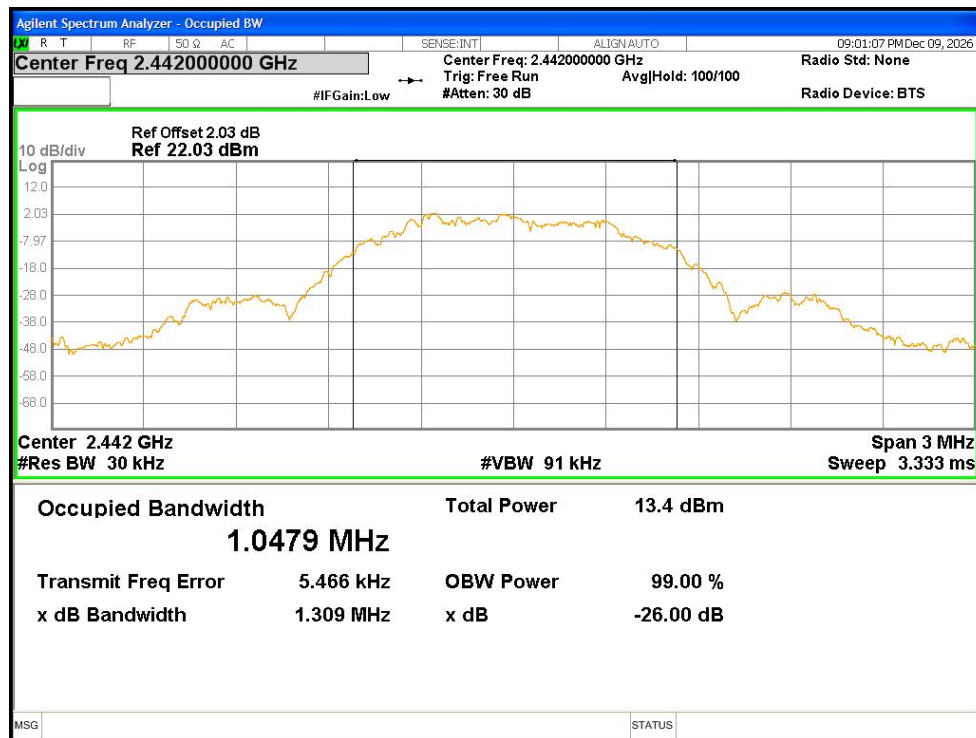
7.3 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.0471
NVNT	BLE 1M	2442	Ant1	1.0479
NVNT	BLE 1M	2480	Ant1	1.0425
NVNT	BLE 2M	2402	Ant1	2.0694
NVNT	BLE 2M	2442	Ant1	2.0626
NVNT	BLE 2M	2480	Ant1	2.0636

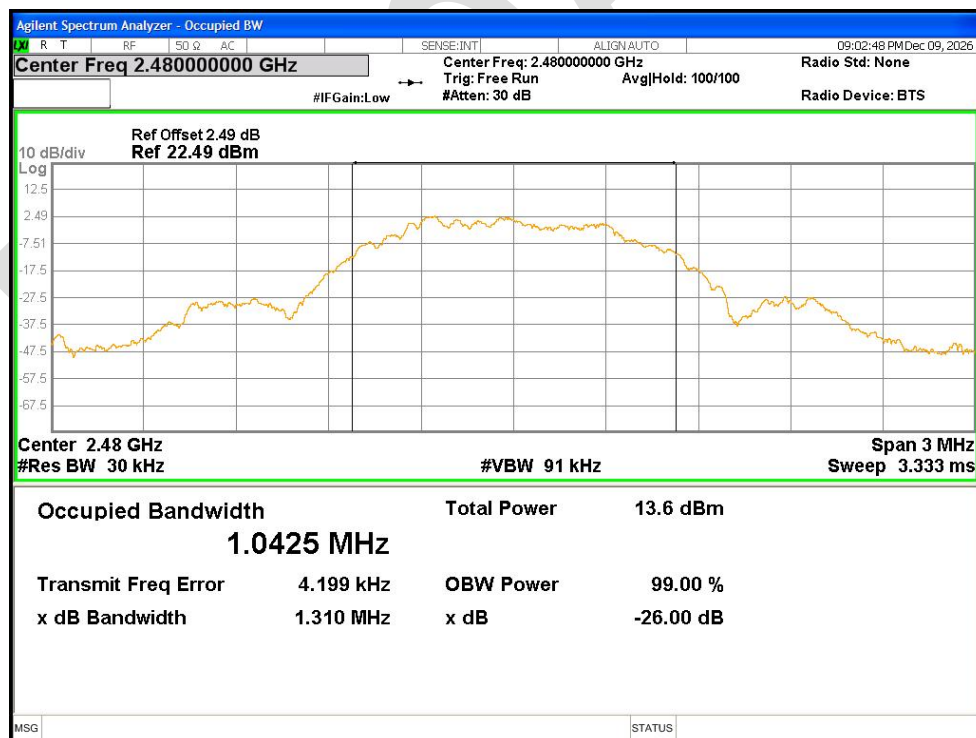
OBW NVNT BLE 1M 2402MHz Ant1



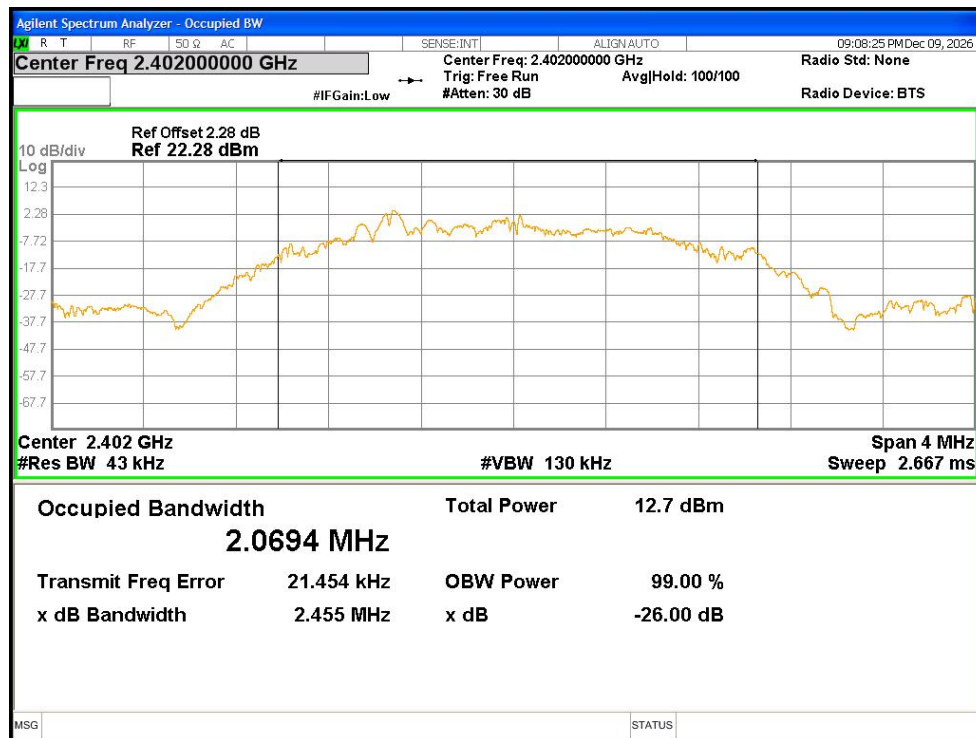
OBW NVNT BLE 1M 2442MHz Ant1



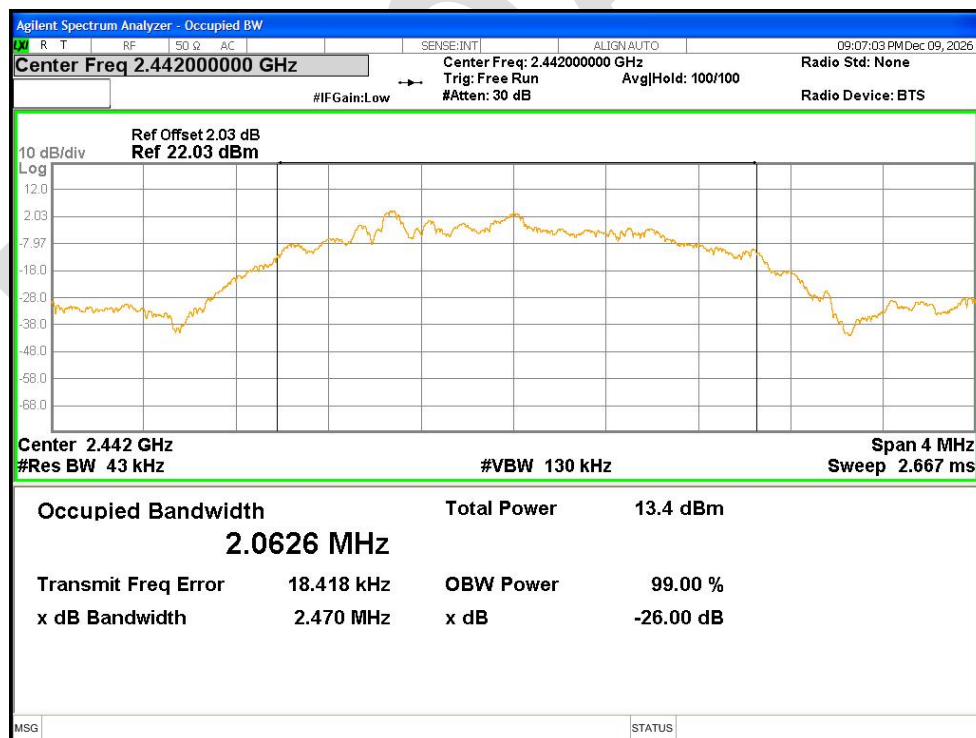
OBW NVNT BLE 1M 2480MHz Ant1



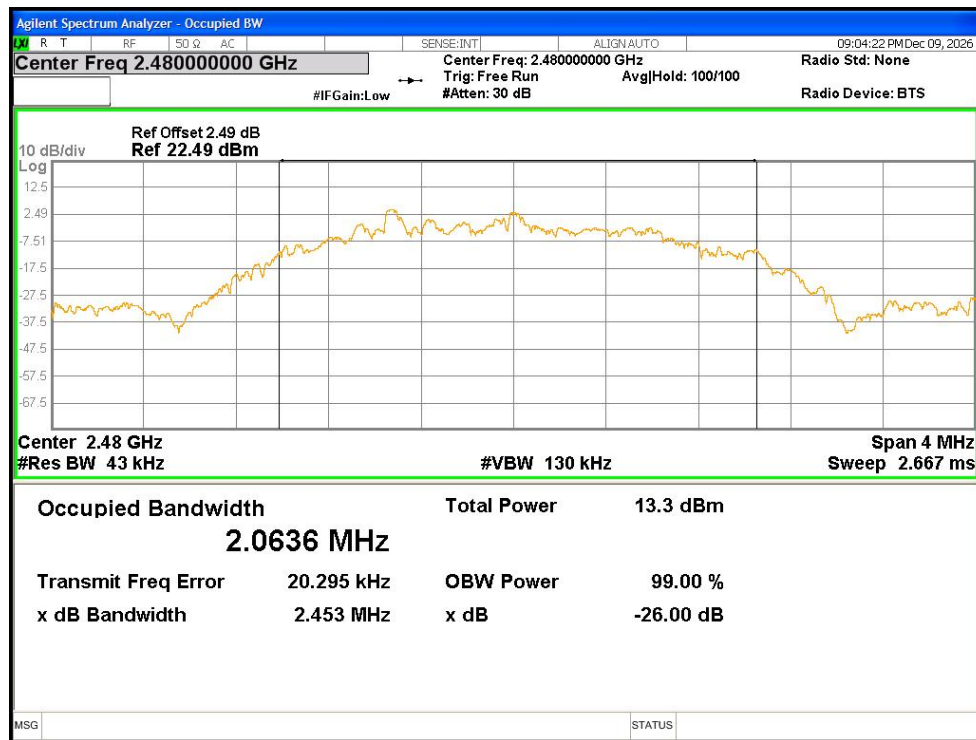
OBW NVNT BLE 2M 2402MHz Ant1



OBW NVNT BLE 2M 2442MHz Ant1



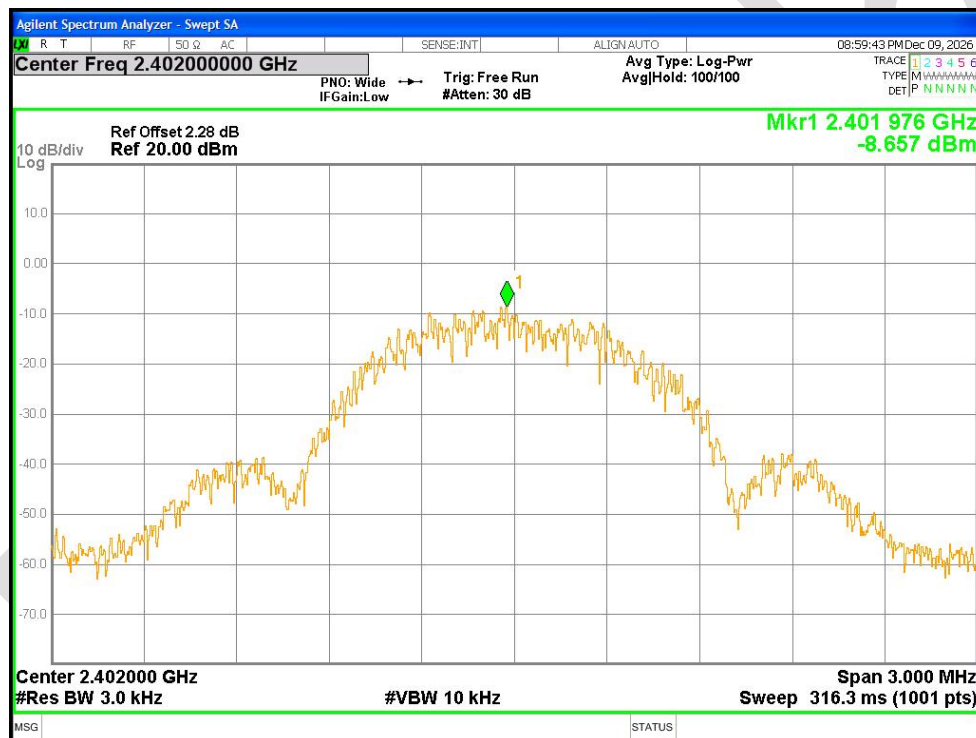
OBW NVNT BLE 2M 2480MHz Ant1



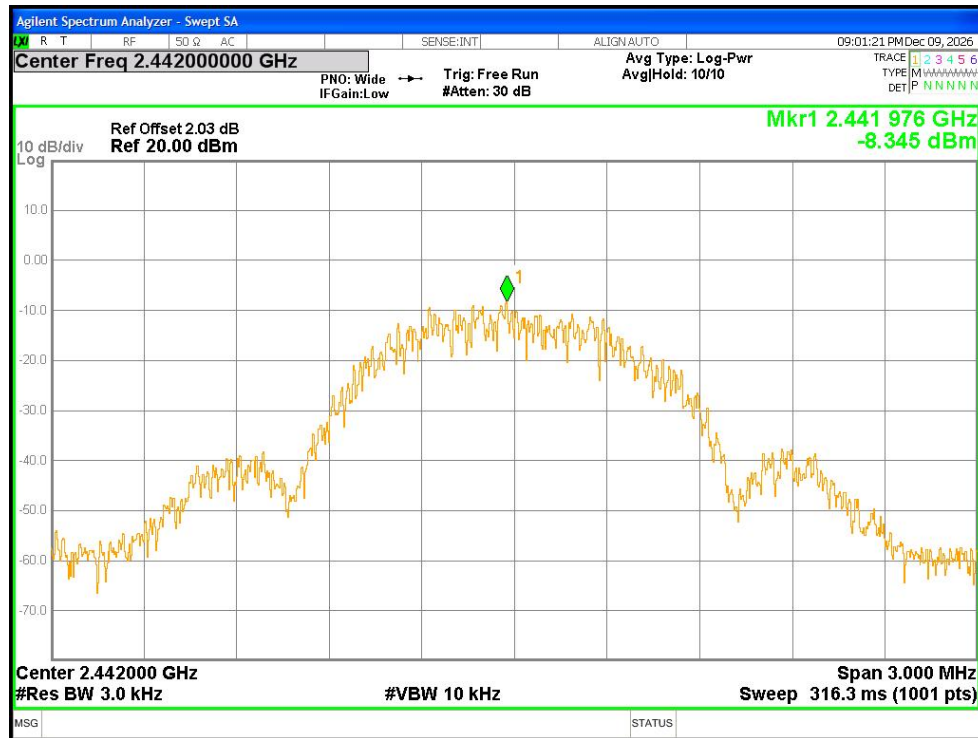
7.4 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm/3khz)	Verdict
NVNT	BLE 1M	2402	Ant1	-8.657	0	-8.657	8	Pass
NVNT	BLE 1M	2442	Ant1	-8.345	0	-8.345	8	Pass
NVNT	BLE 1M	2480	Ant1	-8.366	0	-8.366	8	Pass
NVNT	BLE 2M	2402	Ant1	-12.377	0	-12.377	8	Pass
NVNT	BLE 2M	2442	Ant1	-11.854	0	-11.854	8	Pass
NVNT	BLE 2M	2480	Ant1	-12.007	0	-12.007	8	Pass

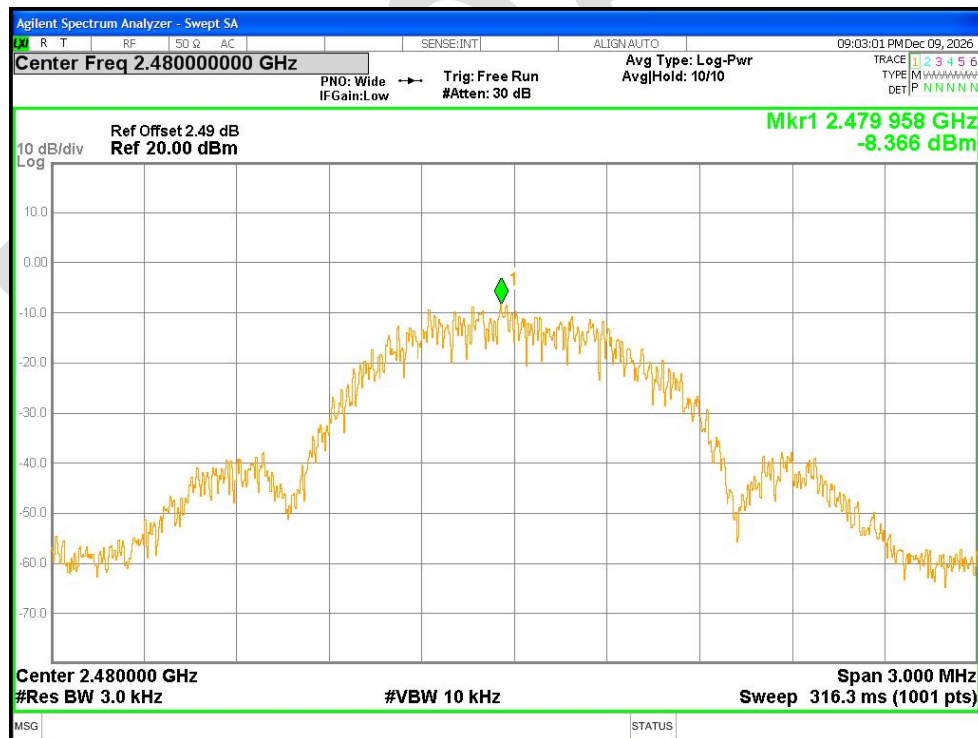
PSD NVNT BLE 1M 2402MHz Ant1



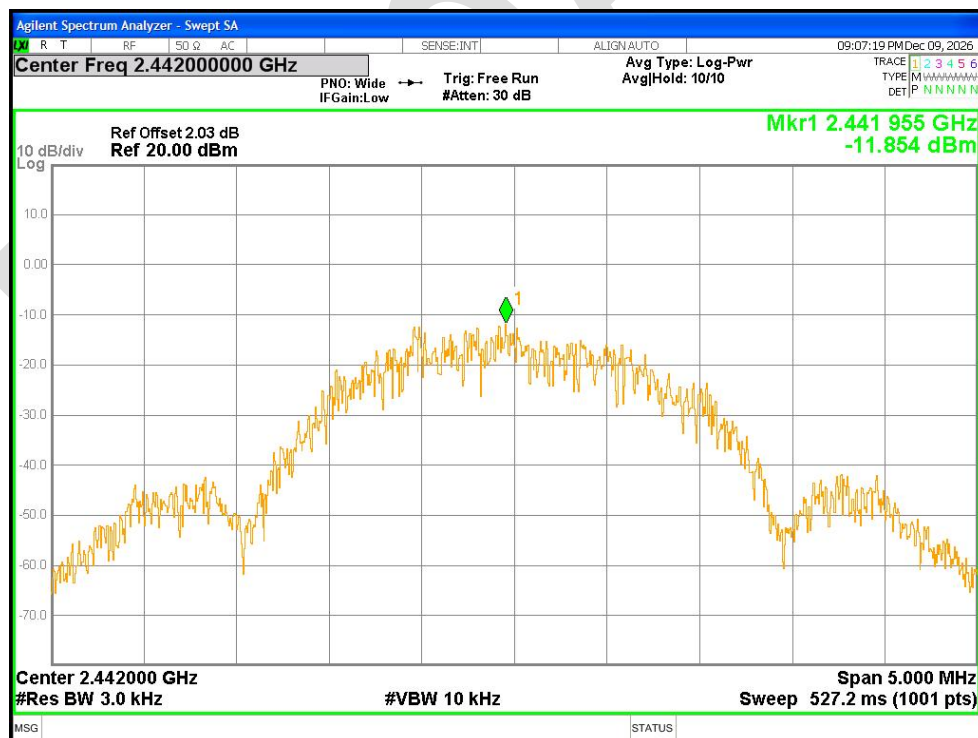
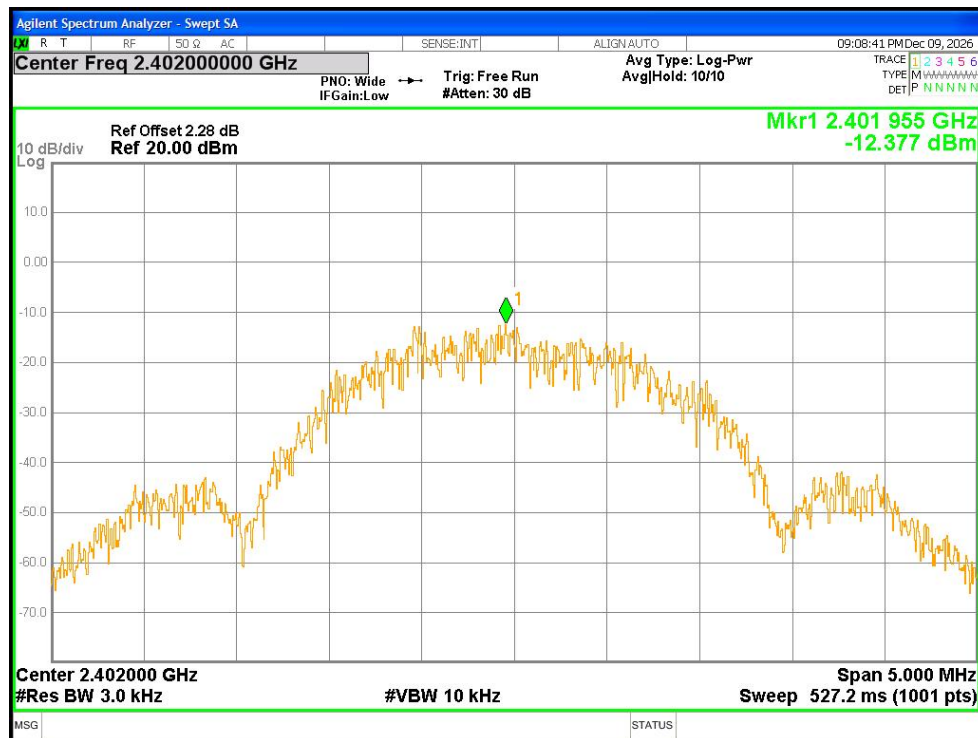
PSD NVNT BLE 1M 2442MHz Ant1

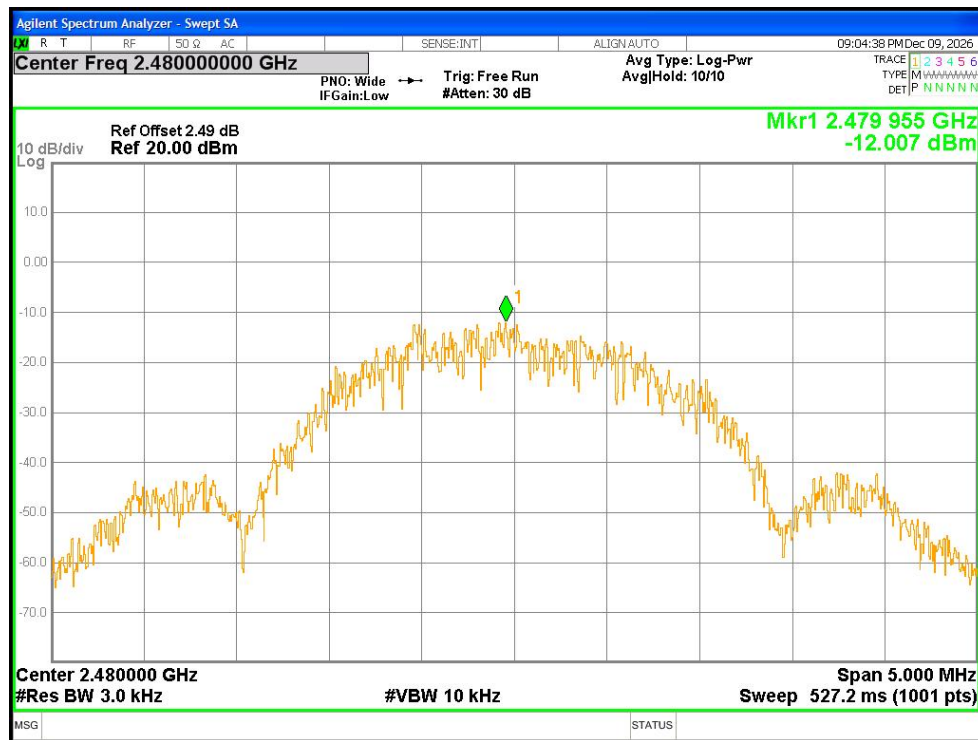


PSD NVNT BLE 1M 2480MHz Ant1



PSD NVNT BLE 2M 2402MHz Ant1

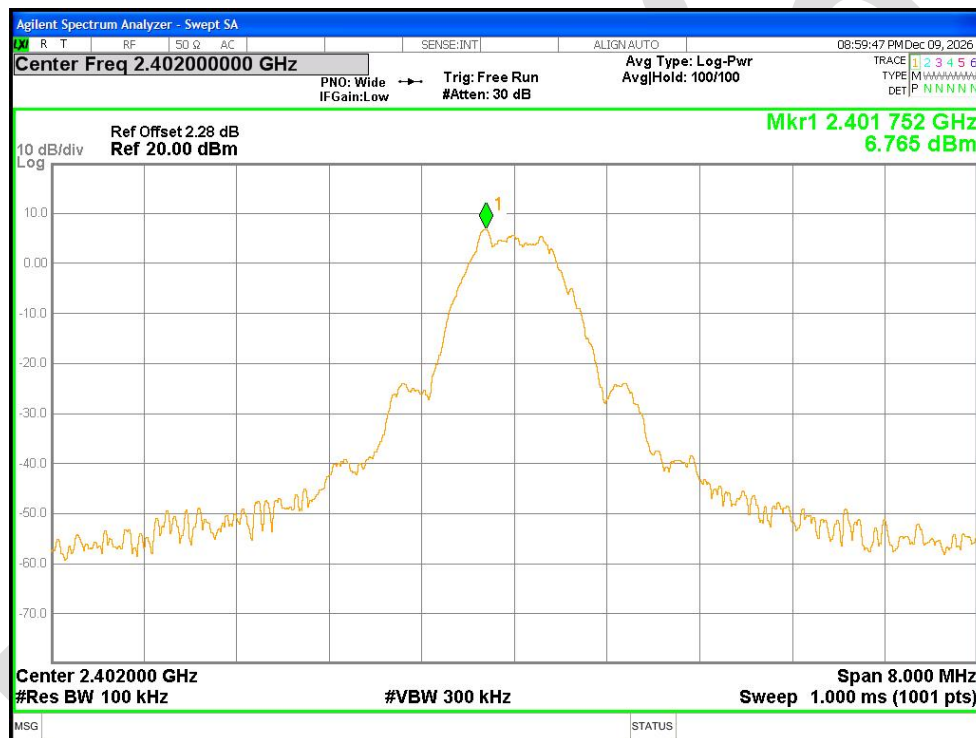




7.5 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-62.08	-20	Pass
NVNT	BLE 1M	2480	Ant1	-60.22	-20	Pass
NVNT	BLE 2M	2402	Ant1	-62.15	-20	Pass
NVNT	BLE 2M	2480	Ant1	-56.11	-20	Pass

Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



Band Edge NVNT BLE 1M 2402MHz Ant1 Emission