

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

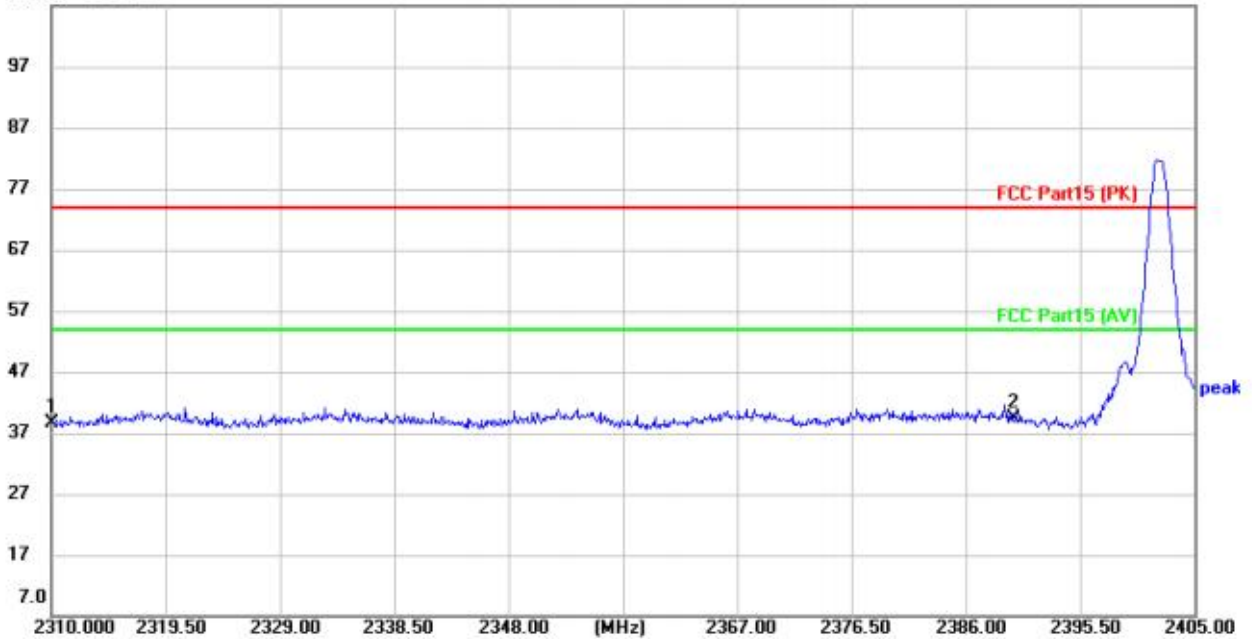
Radiated Emission Measurement

Project No.: RE

Data :#8

2024/7/11

107.0 dBuV/m



Site

Polarization: **Vertical**

Temperature: (C)

Limit: FCC Part15 (PK)

Power:

Humidity: %RH

EUT:

M/N: G21 Pro

Mode: BT 2402

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2310.000	41.60	-2.89	38.71	74.00	-35.29	peak	
2	*	2390.000	42.01	-2.70	39.31	74.00	-34.69	peak	

Test Result: Pass

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

Radiated Emission Measurement



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

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

EUT:

M/N: G21 Pro

Mode: BT 2480

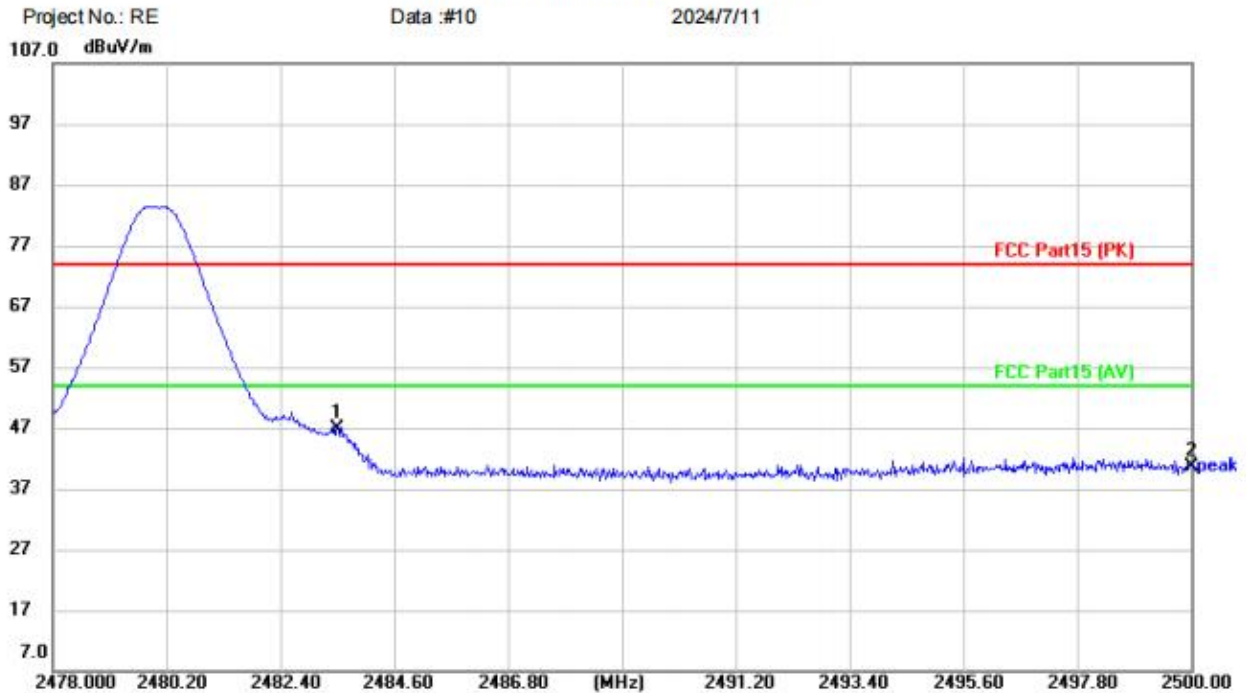
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2483.500	49.99	-2.91	47.08	74.00	-26.92	peak	
2		2500.000	49.18	-3.00	46.18	74.00	-27.82	peak	

Test Result: Pass

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

Radiated Emission Measurement



Site Polarization: **Vertical** Temperature: (C)
 Limit: FCC Part15 (PK) Power: Humidity: %RH
 EUT:
 M/N: G21 Pro
 Mode: BT 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	49.74	-2.91	46.83	74.00	-27.17	peak	
2		2500.000	43.56	-3.00	40.56	74.00	-33.44	peak	

Test Result: Pass

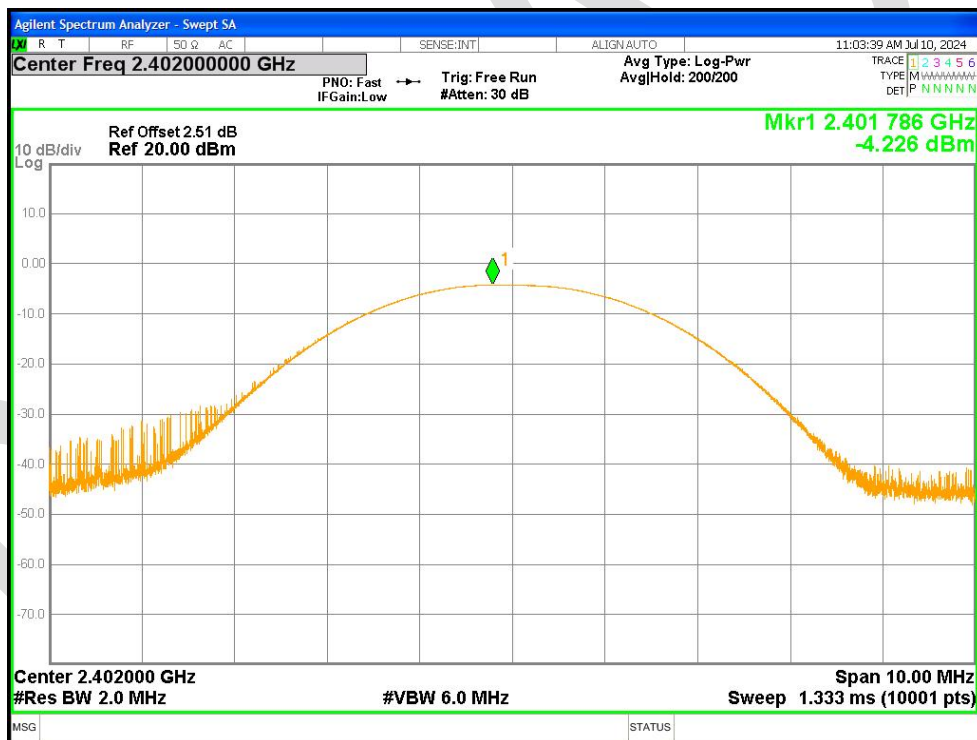
DH1,DH3, DH5 all have been tested, during the test, GFSK, pi/4DQPSK,modulation were all pre-scanned Only the GFSK of the worst mode would be recorded in this report.

7 Appendix A

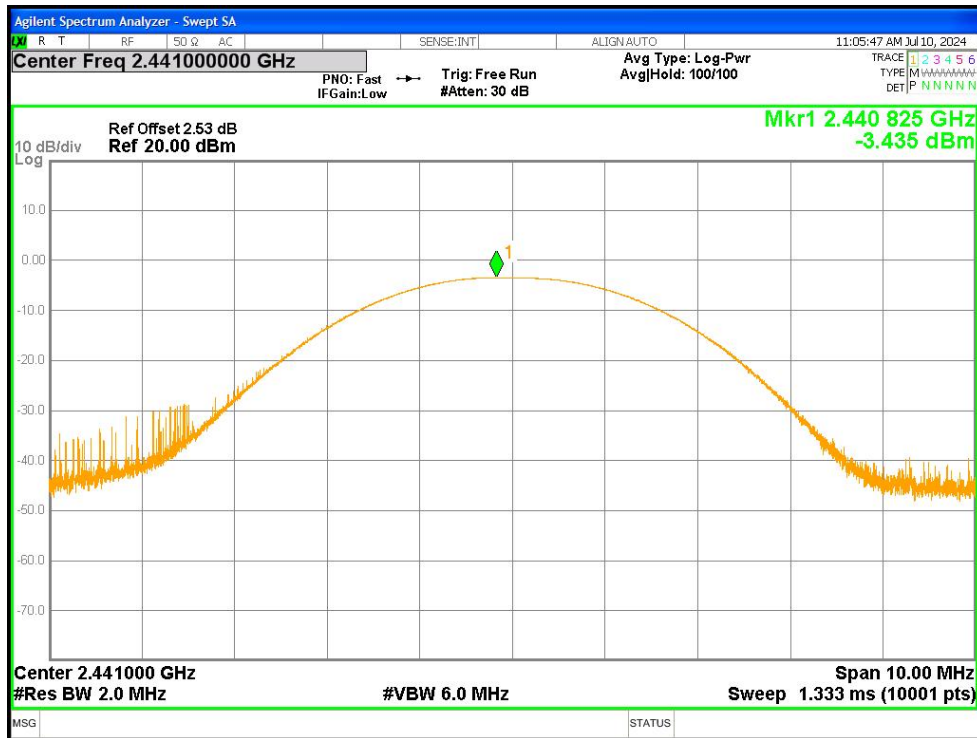
7.1 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-4.226	21	Pass
NVNT	1-DH1	2441	Ant1	-3.435	21	Pass
NVNT	1-DH1	2480	Ant1	-2.735	21	Pass
NVNT	2-DH1	2402	Ant1	-3.701	21	Pass
NVNT	2-DH1	2441	Ant1	-2.789	21	Pass
NVNT	2-DH1	2480	Ant1	-2.184	21	Pass

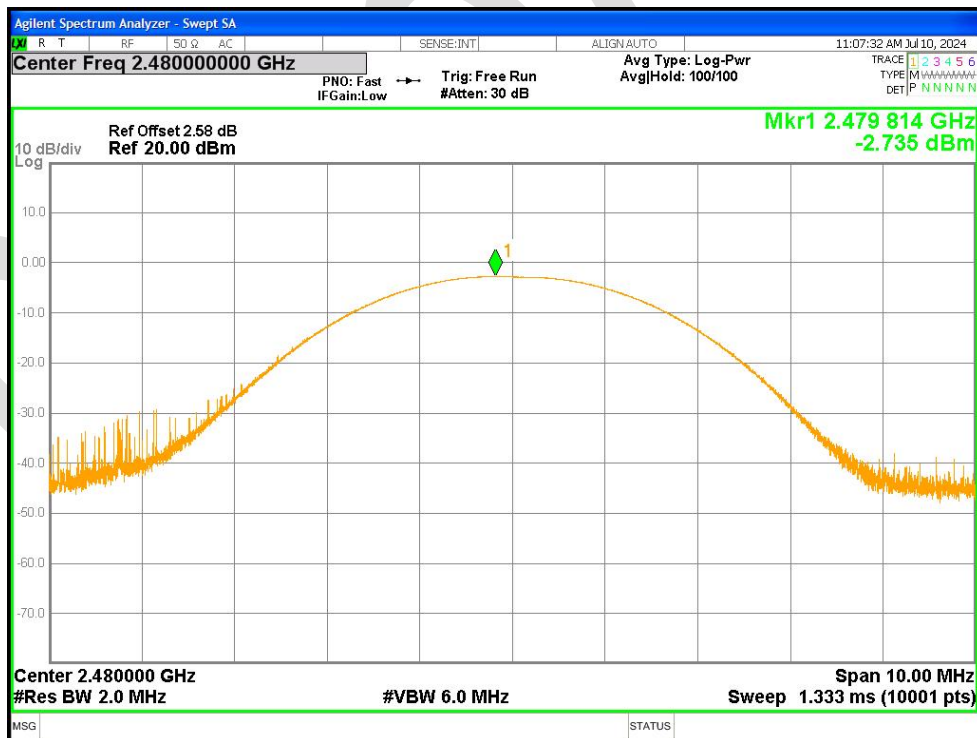
Power NVNT 1-DH1 2402MHz Ant1



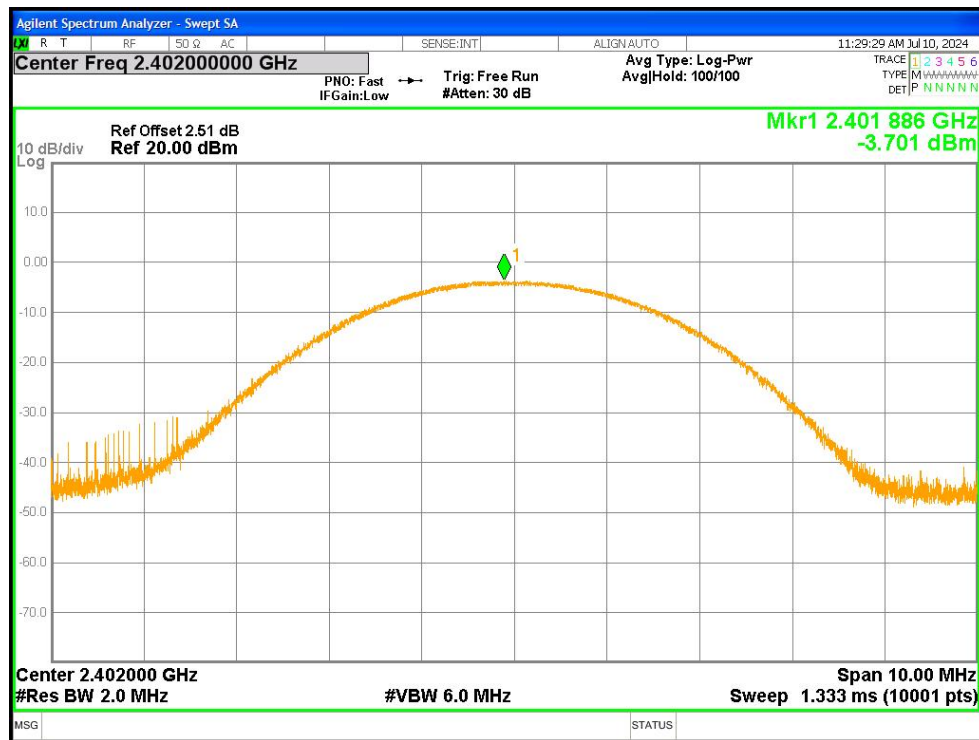
Power NVNT 1-DH1 2441MHz Ant1



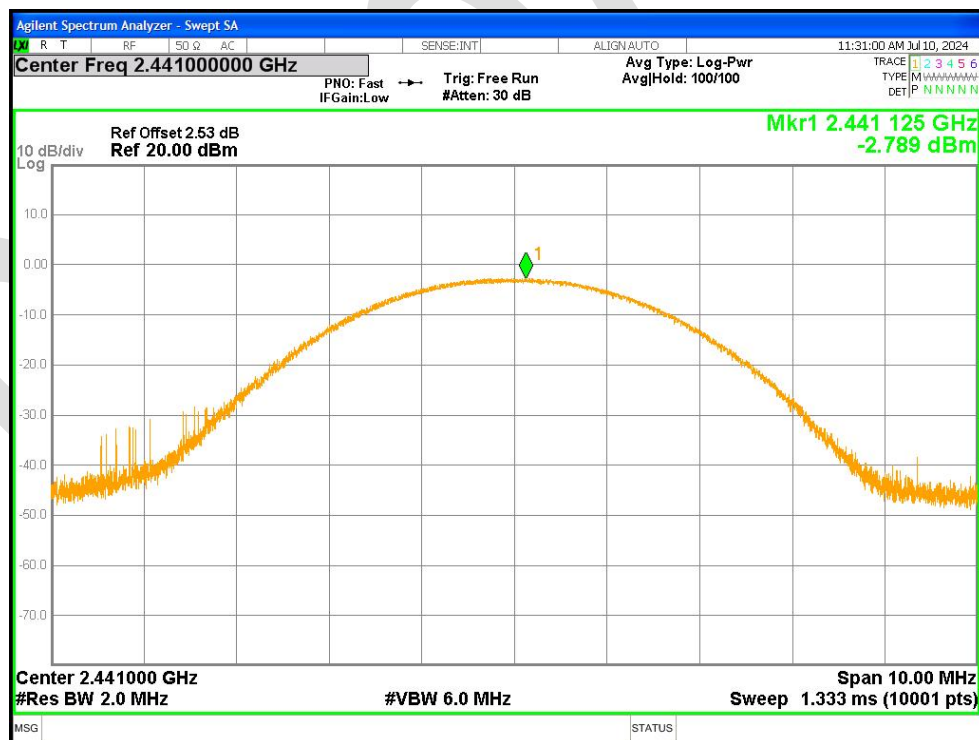
Power NVNT 1-DH1 2480MHz Ant1



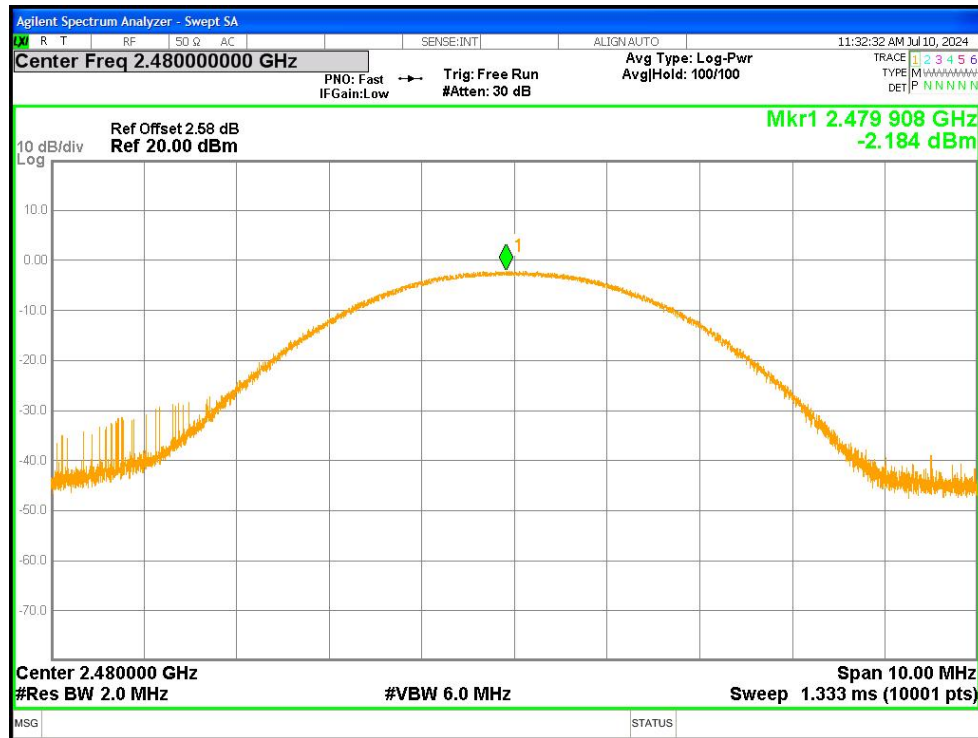
Power NVNT 2-DH1 2402MHz Ant1



Power NVNT 2-DH1 2441MHz Ant1



Power NVNT 2-DH1 2480MHz Ant1



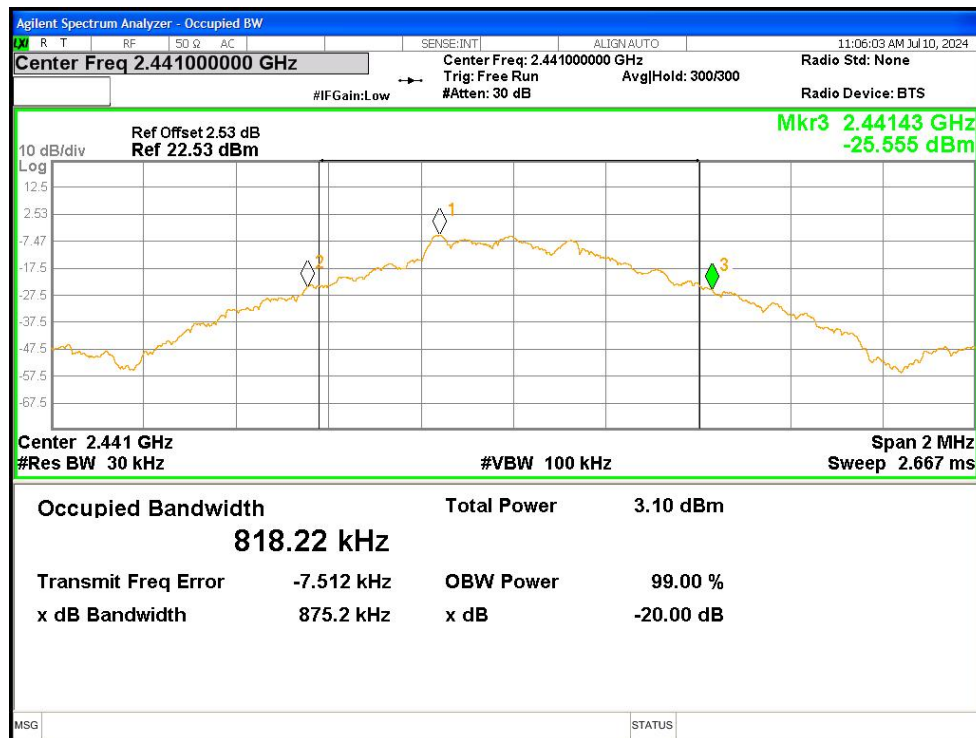
7.2 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.868	N/A	Pass
NVNT	1-DH1	2441	Ant1	0.875	N/A	Pass
NVNT	1-DH1	2480	Ant1	0.875	N/A	Pass
NVNT	2-DH1	2402	Ant1	1.242	N/A	Pass
NVNT	2-DH1	2441	Ant1	1.235	N/A	Pass
NVNT	2-DH1	2480	Ant1	1.245	N/A	Pass

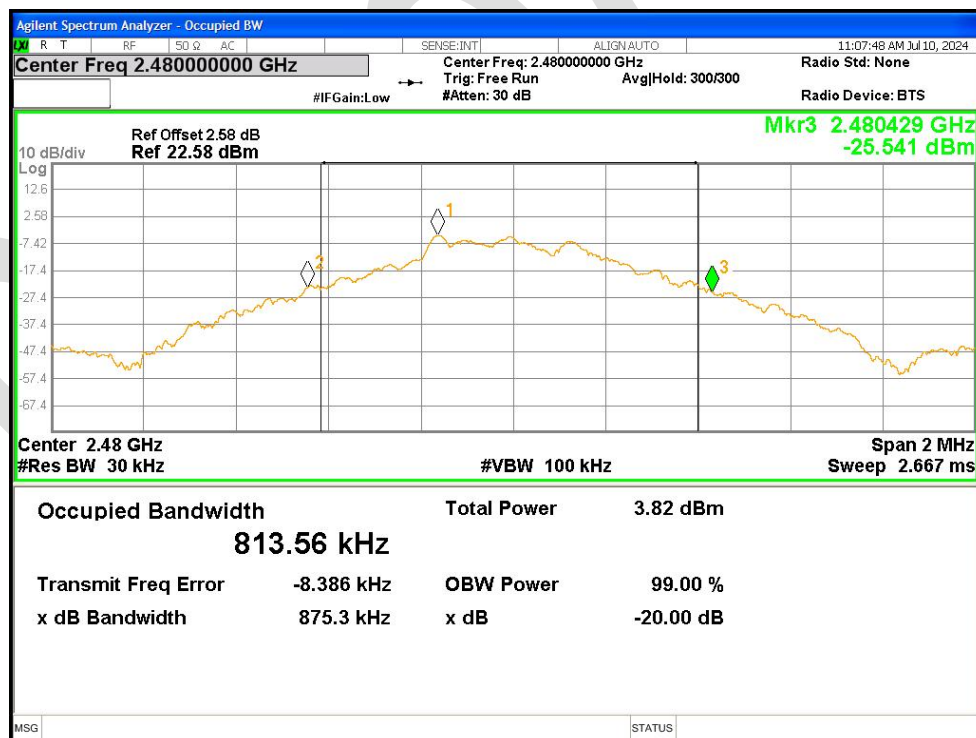
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



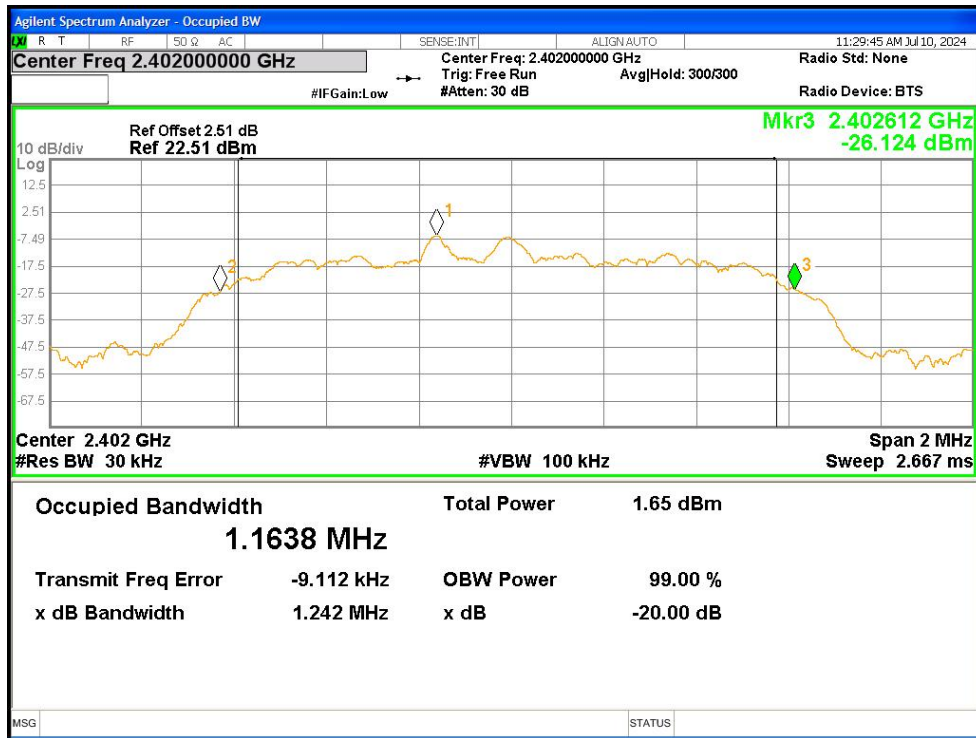
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



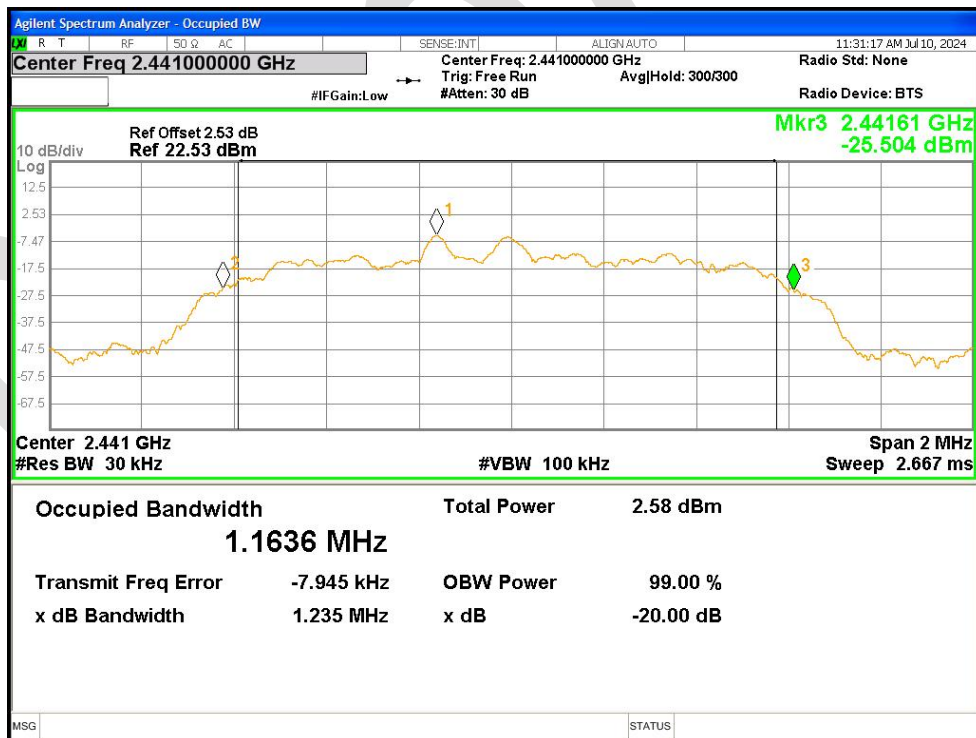
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



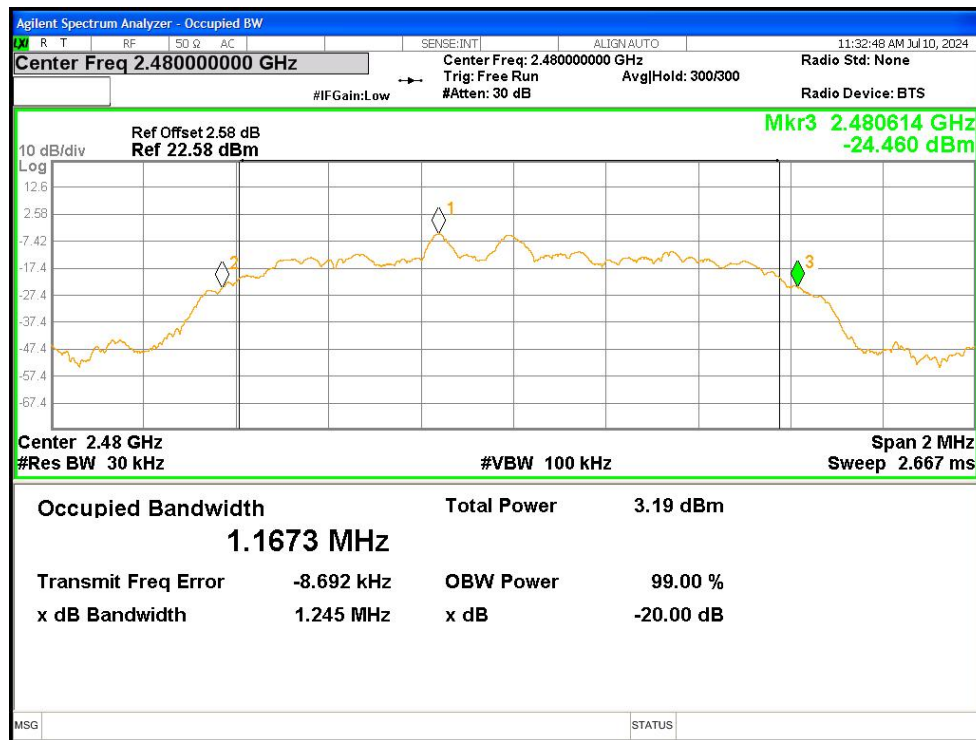
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



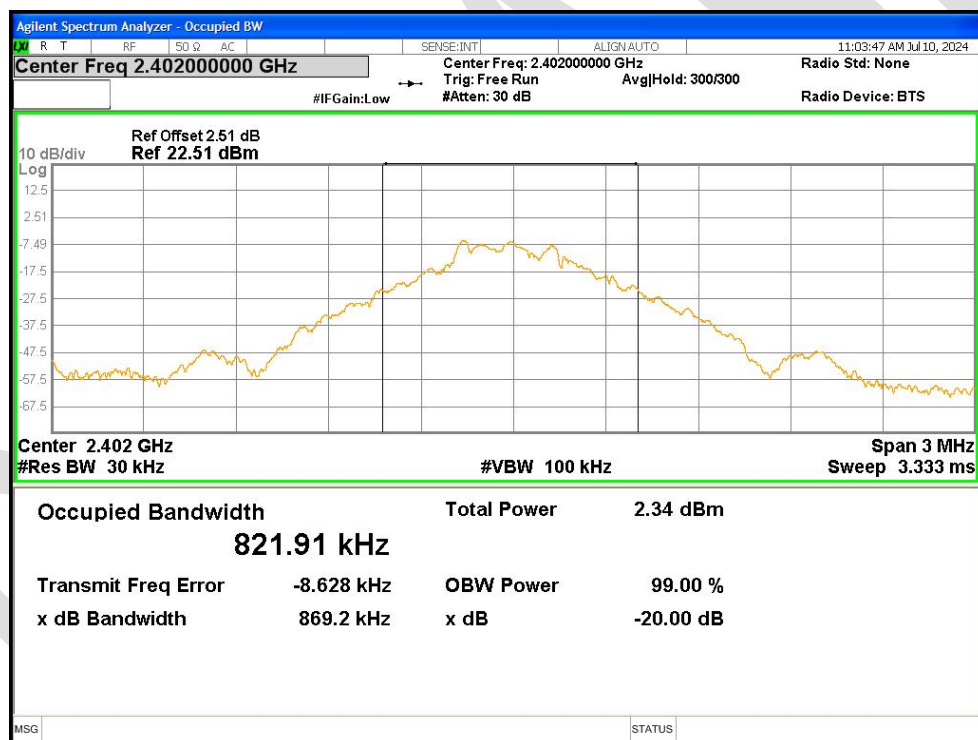
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1



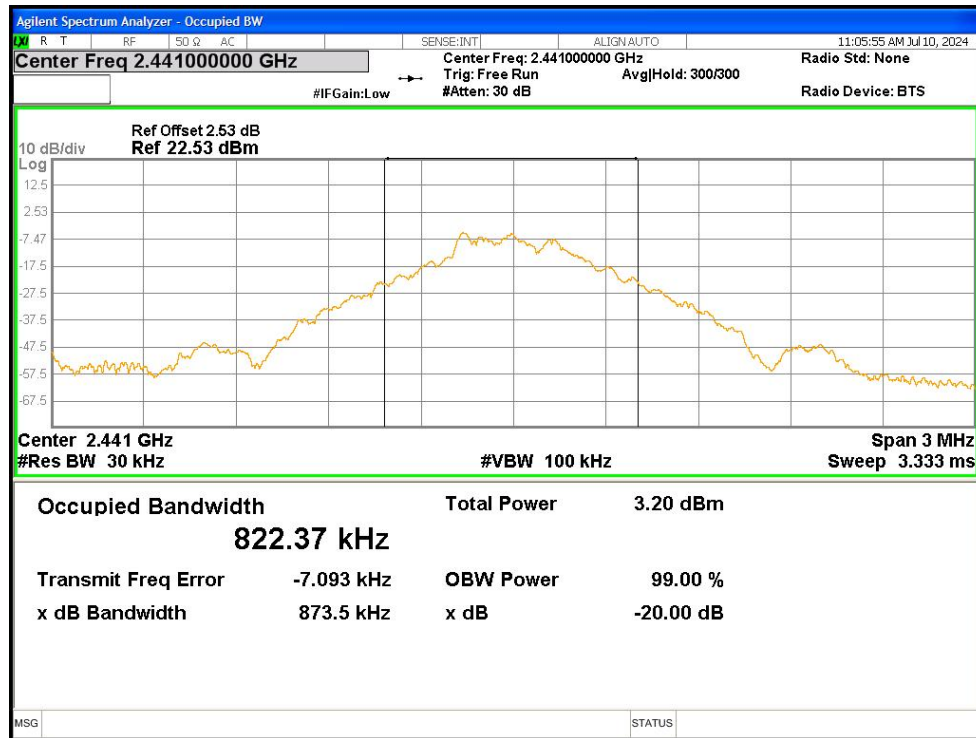
7.3 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.82191
NVNT	1-DH1	2441	Ant1	0.82237
NVNT	1-DH1	2480	Ant1	0.81521
NVNT	2-DH1	2402	Ant1	1.1685
NVNT	2-DH1	2441	Ant1	1.1664
NVNT	2-DH1	2480	Ant1	1.1652

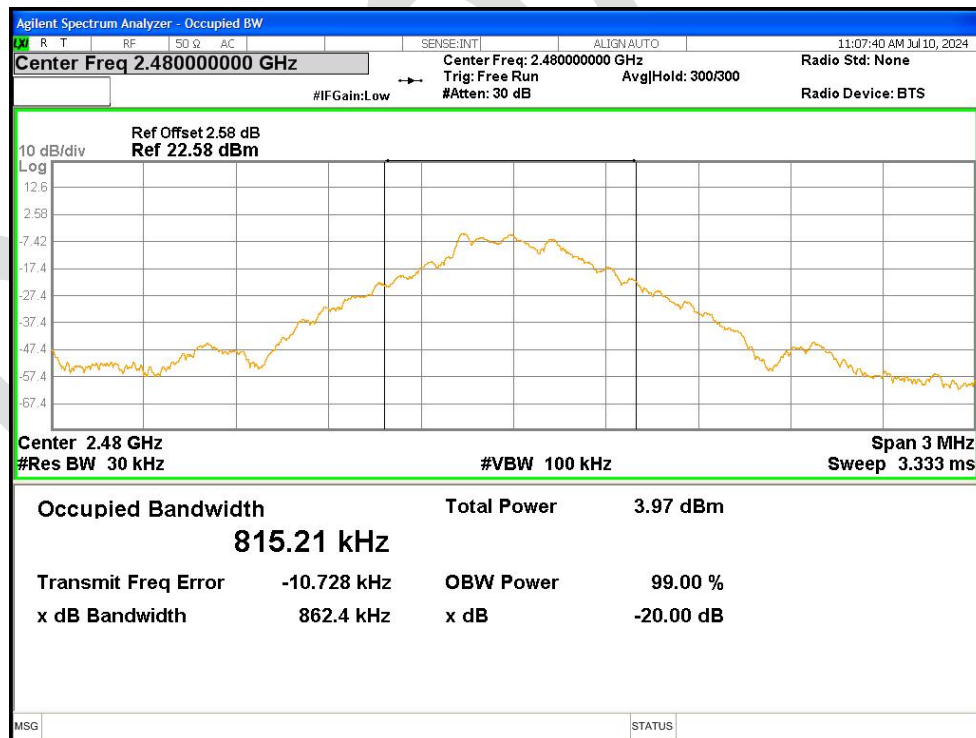
OBW NVNT 1-DH1 2402MHz Ant1



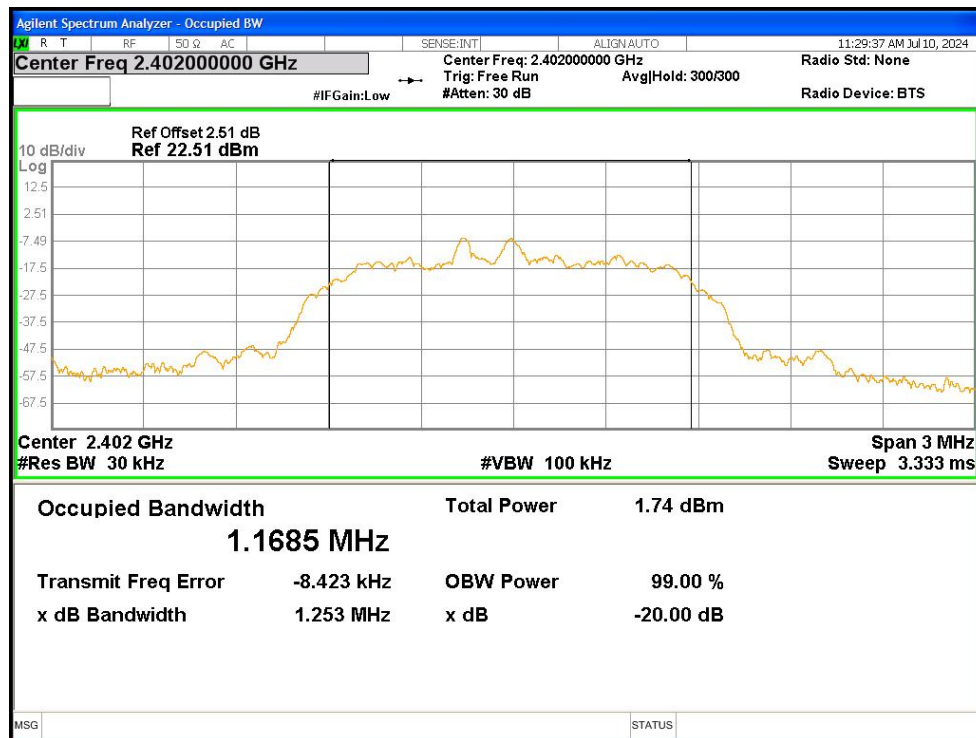
OBW NVNT 1-DH1 2441MHz Ant1



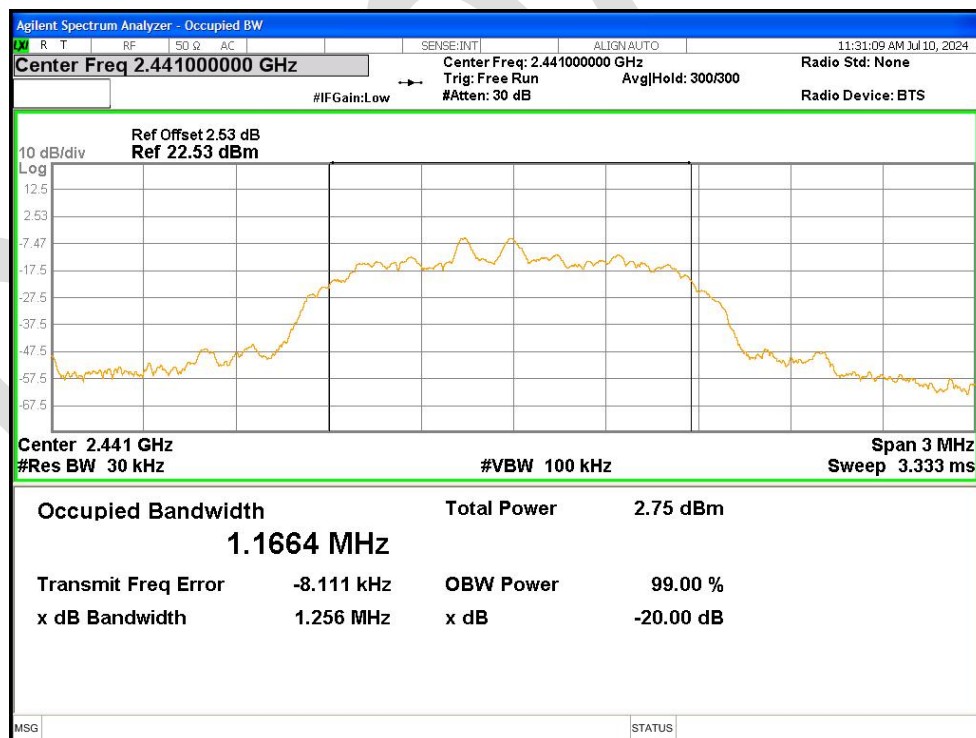
OBW NVNT 1-DH1 2480MHz Ant1



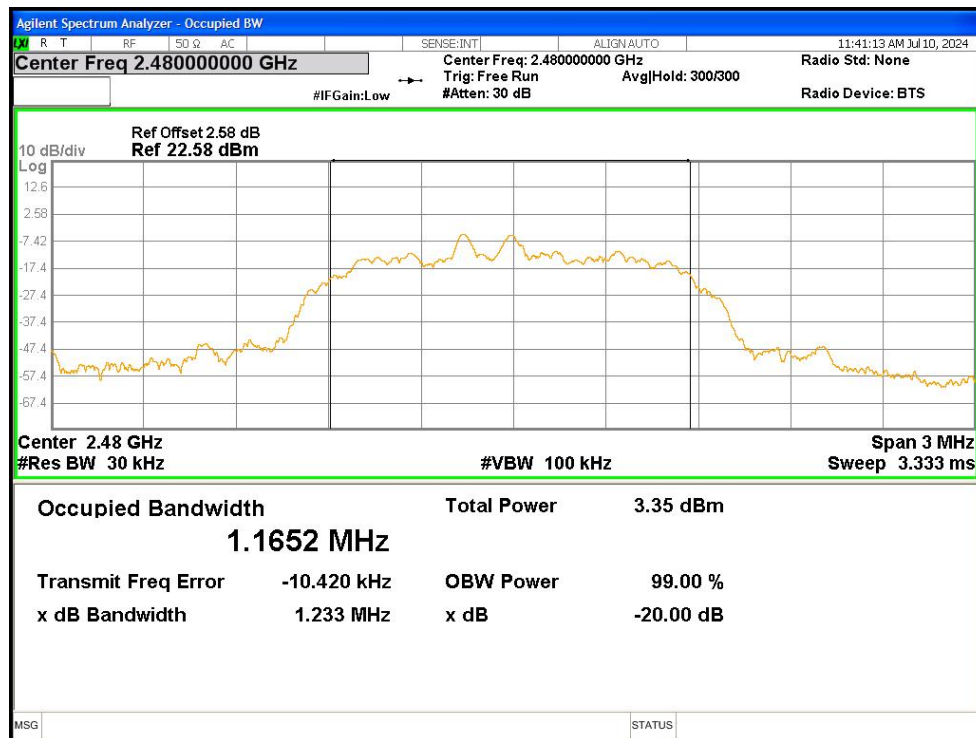
OBW NVNT 2-DH1 2402MHz Ant1



OBW NVNT 2-DH1 2441MHz Ant1



OBW NVNT 2-DH1 2480MHz Ant1



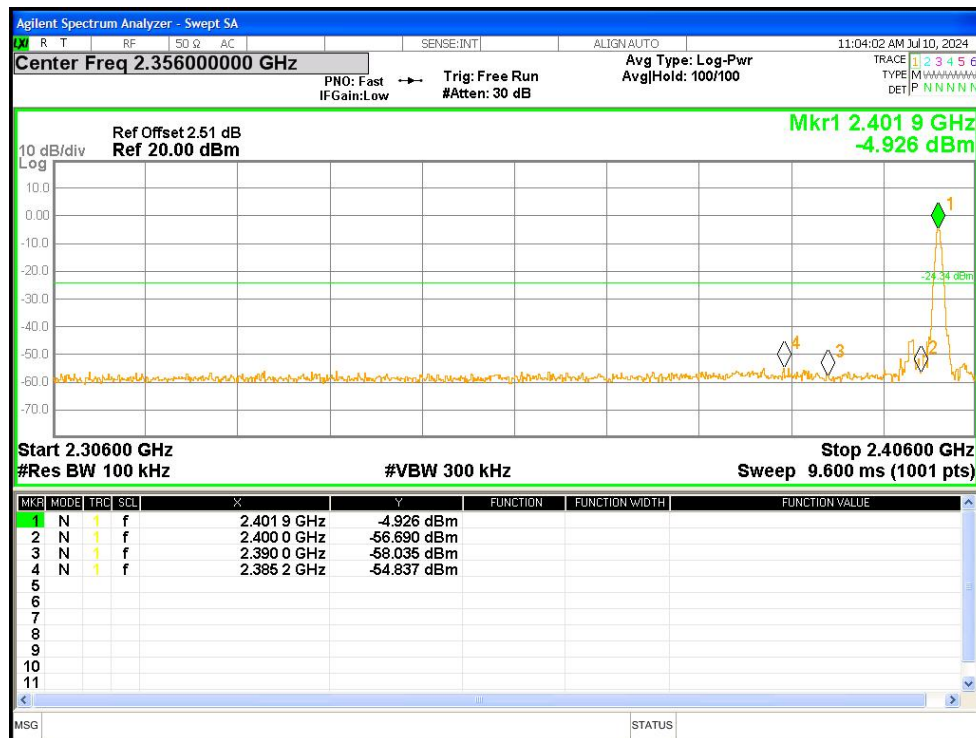
7.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-50.49	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-48.82	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-50.3	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-49.28	-20	Pass

Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



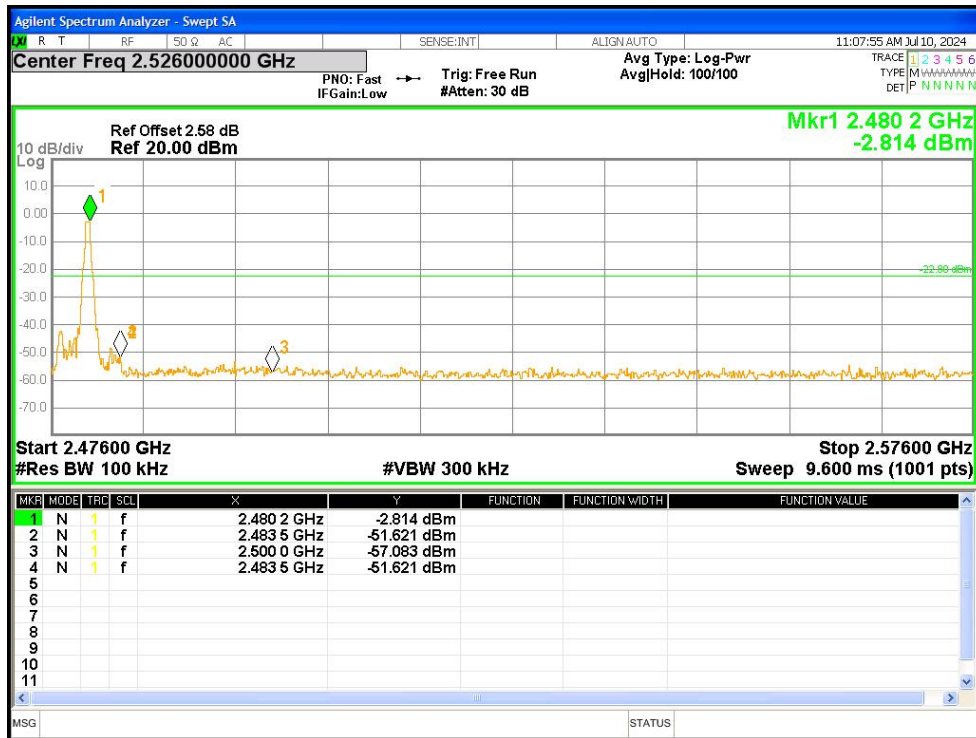
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



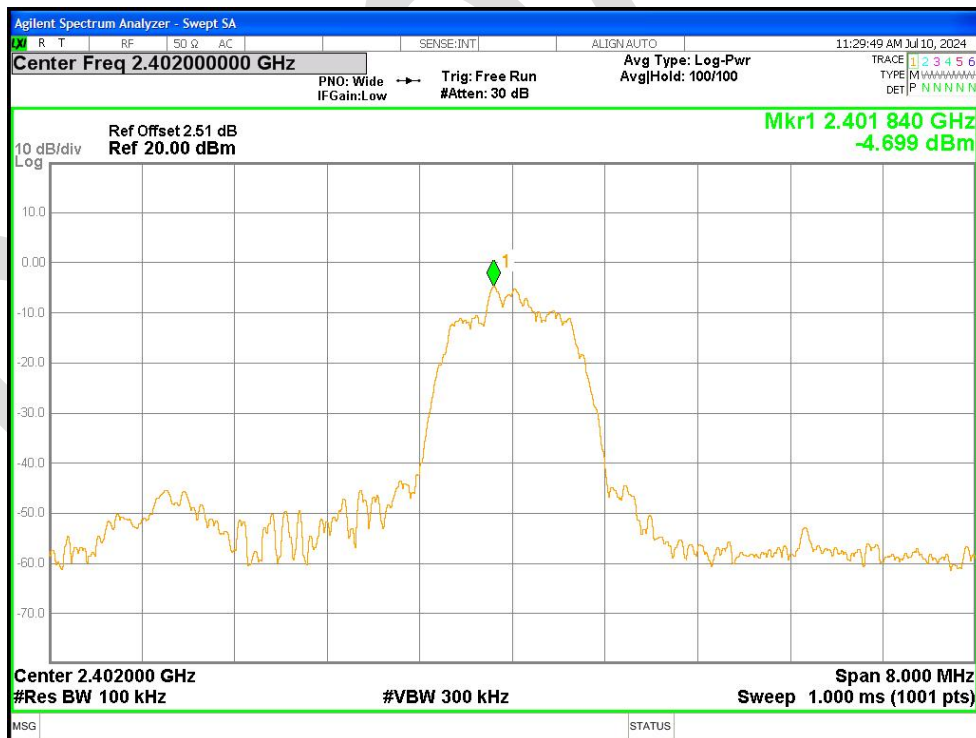
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



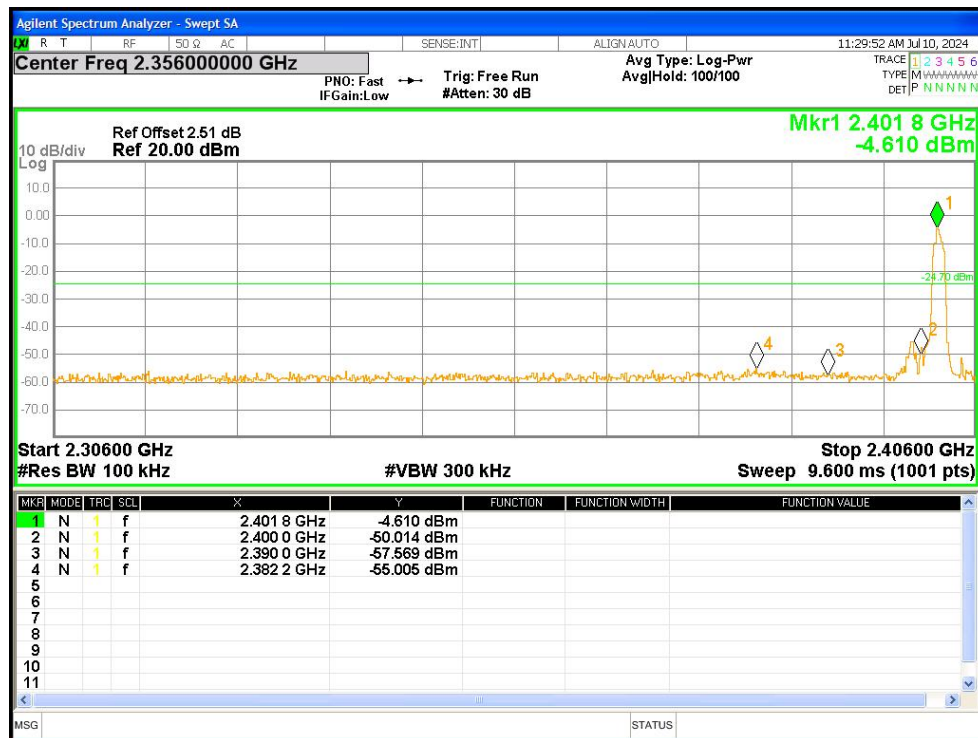
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission

