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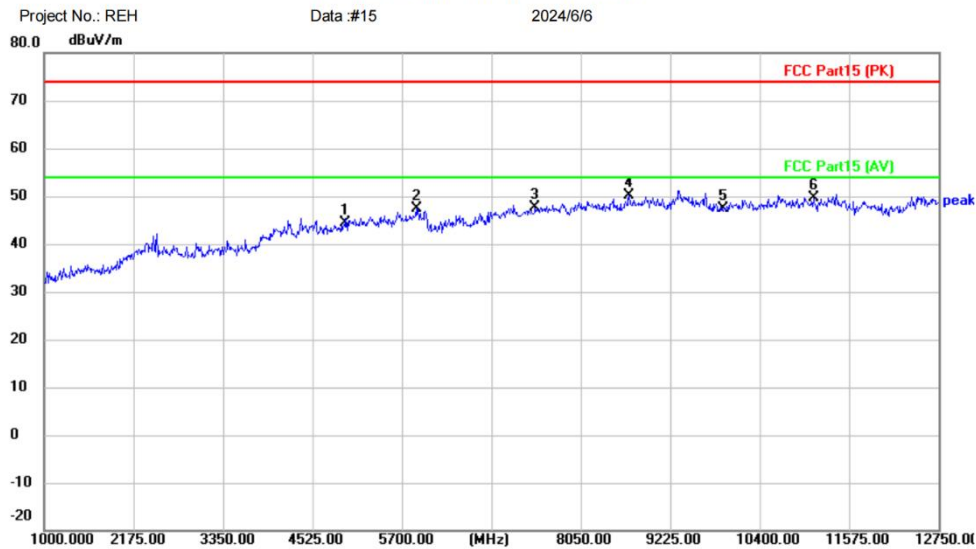

Site

Limit: FCC Part15 (PK)

EUT: True Wireless Earbuds

M/N: Nextsense

Mode: BT-2441 L

Note:

Polarization: **Vertical**

Power:

Temperature: (C)

Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4882.000	37.93	5.73	43.66	74.00	-30.34	peak	
2		5935.000	37.78	8.70	46.48	74.00	-27.52	peak	
3		7323.000	37.12	9.43	46.55	74.00	-27.45	peak	
4		8602.250	37.84	11.11	48.95	74.00	-25.05	peak	
5		9764.000	35.41	12.21	47.62	74.00	-26.38	peak	
6	*	10729.00	37.29	13.04	50.33	74.00	-23.67	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: Spectrum Analyzer: FSP40

Test Result: Pass

BlueAsia of Technical Services (Shenzhen) Co.,Ltd.

Tel: +86-755-23059481

Email: marketing@cblueasia.com   www.cblueasia.com

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

Radiated Emission Measurement

Project No.: REH   Data :#15   2024/6/6

Site

Limit: FCC Part15 (PK)   Polarization: *Horizontal*   Temperature: (C)

Power: Humidity: %RH

EUT: True Wireless Earbuds

M/N: Nextsense

Mode: BT-2480 L

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4960.000	37.87	6.60	44.47	74.00	-29.53	peak	
2		5888.000	38.82	8.60	47.42	74.00	-26.58	peak	
3		7440.000	37.97	9.64	47.61	74.00	-26.39	peak	
4	*	8684.500	38.79	11.44	50.23	74.00	-23.77	peak	
5		9920.000	35.18	12.14	47.32	74.00	-26.68	peak	
6		11105.00	36.96	12.79	49.75	74.00	-24.25	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: Spectrum Analyzer: FSP40

Test Result: Pass

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

Radiated Emission Measurement

Project No.: REH	Data :#16	2024/6/6
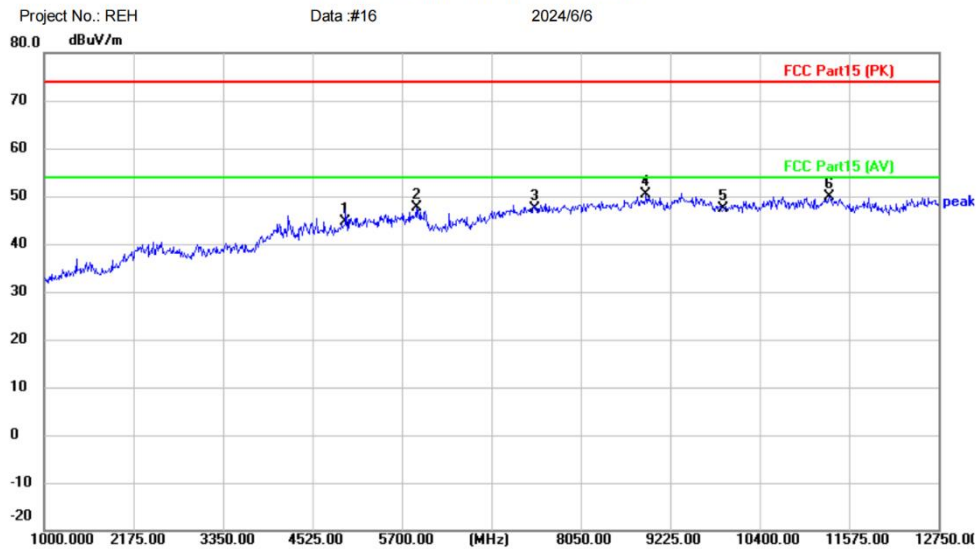
Site	Polarization: **Vertical**	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH

EUT: True Wireless Earbuds

M/N: Nextsense

Mode: BT-2480 L

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	38.13	6.60	44.73	74.00	-29.27	peak	
2		5888.000	38.95	8.60	47.55	74.00	-26.45	peak	
3		7440.000	37.82	9.64	47.46	74.00	-26.54	peak	
4	*	8907.750	38.19	12.10	50.29	74.00	-23.71	peak	
5		9920.000	35.25	12.14	47.39	74.00	-26.61	peak	
6		11316.50	37.20	12.69	49.89	74.00	-24.11	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver:	Spectrum Analyzer:	FSP40

Test Result: Pass

6.11 Radiated emissions which fall in the restricted bands

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.10.5
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.11.1 Limit

| Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3
Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.		

6.11.2 Test setup

Below 1GHz：
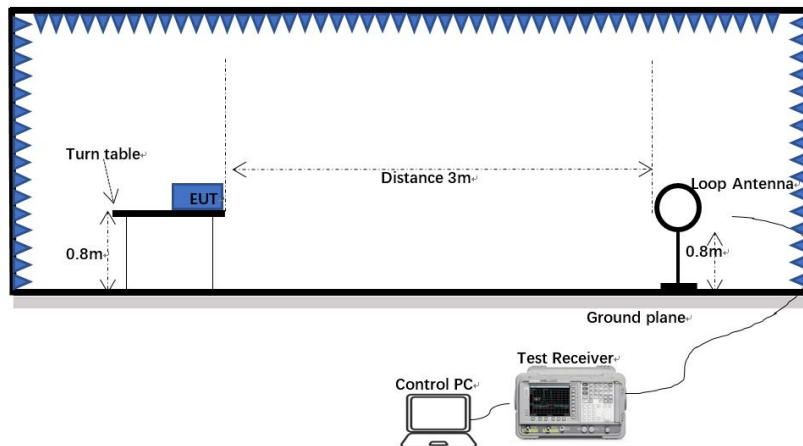
30MHz-1GHz：
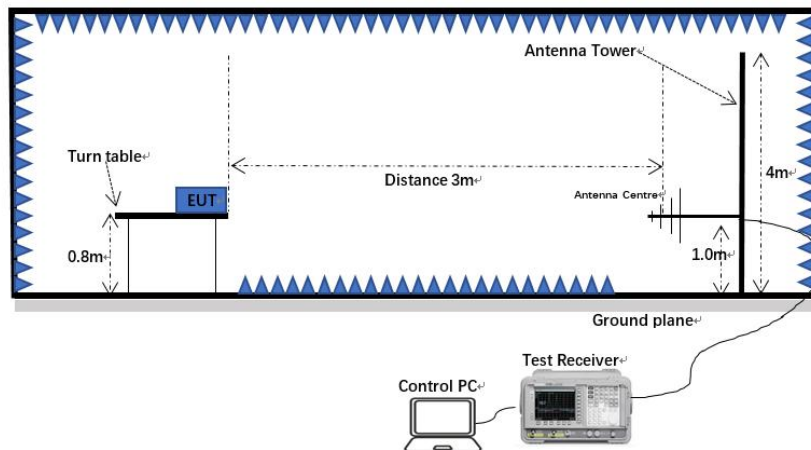
Above 1GHz：
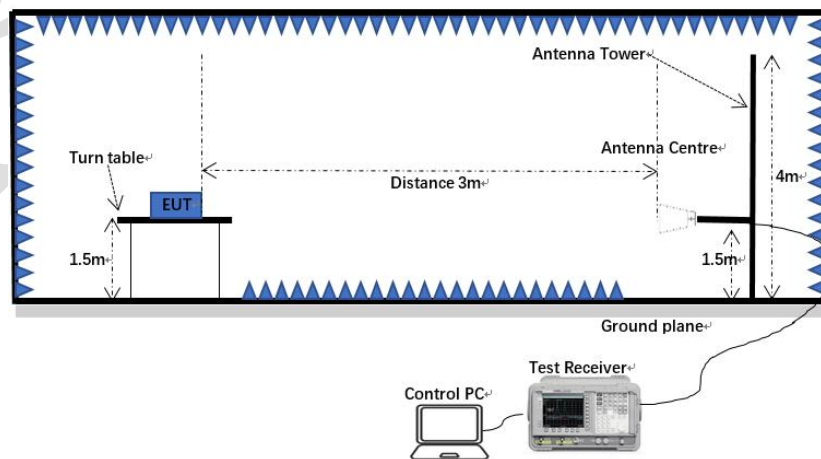
6.11.3 Procedure

a) For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b) For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c) The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

d) The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

f) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

g) If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h) Test the EUT in the lowest channel, the middle channel, the highest channel.

i) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

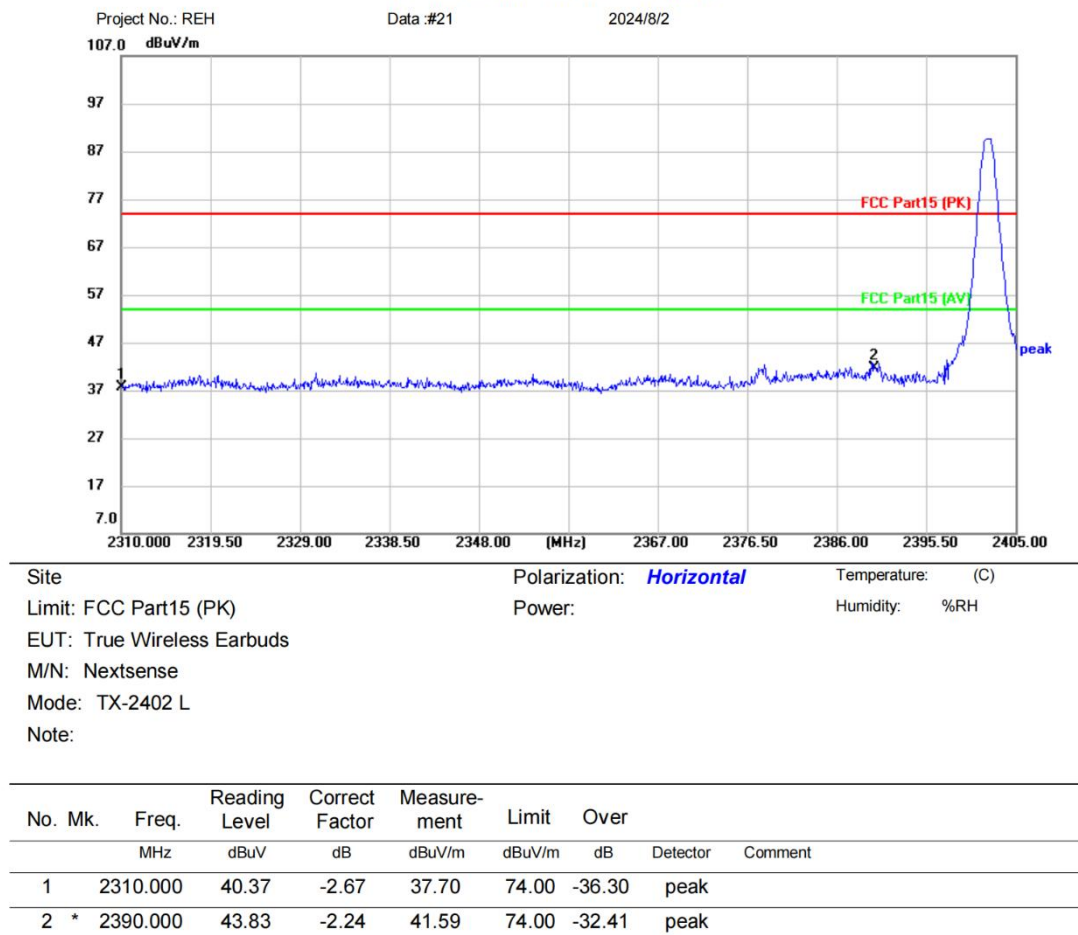j) Repeat above procedures until all frequencies measured was complete.

Note 1: Level (dBuV) = Reading (dBuV) + Factor (dB/m)
Note 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report. all modes have been tested, and only the worst mode is showed in the report.

6.11.4 Test data

Remark: During the test, pre-scan the GFSK, pi/4DQPSK mode, and found the GFSK mode which it is worse case.

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.000	40.37	-2.67	37.70	74.00	-36.30	peak	
2	*	2390.000	43.83	-2.24	41.59	74.00	-32.41	peak	

Test Result: Pass

BlueAsia of Technical Services (Shenzhen) Co.,Ltd.

Tel: +86-755-23059481

Email: marketing@cblueasia.com   www.cblueasia.com

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.000	40.82	-2.67	38.15	74.00	-35.85	peak	
2	*	2390.000	42.26	-2.24	40.02	74.00	-33.98	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: Spectrum Analyzer: FSP40

Test Result: Pass

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

Project No.: REH   Data :#23   2024/8/2

| Site | | Polarization: | Horizontal | Temperature: | (C) |
| Limit: FCC Part15 (PK) | | Power: | | Humidity: | %RH |

EUT: True Wireless Earbuds
M/N: Nextsense
Mode: TX-2480 L
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	43.08	-2.71	40.37	74.00	-33.63	peak	
2	*	2500.000	44.20	-2.80	41.40	74.00	-32.60	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only

Receiver: Spectrum Analyzer: FSP40

Test Result: Pass

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

Radiated Emission Measurement

Project No.: REH   Data :#24   2024/8/2

Site
Limit: FCC Part15 (PK)
EUT: True Wireless Earbuds
M/N: Nextsense
Mode: TX-2480 L
Note:

Polarization: **Vertical**
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2483.500	42.63	-2.71	39.92	74.00	-34.08	peak	
2		2500.000	42.36	-2.80	39.56	74.00	-34.44	peak	

*:Maximum data   x:Over limit   !:over margin   〈Reference Only
Receiver: Spectrum Analyzer: FSP40

Test Result: Pass

7 Appendix A

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-0.109	21	Pass
NVNT	1-DH1	2441	Ant1	-1.431	21	Pass
NVNT	1-DH1	2480	Ant1	-3.101	21	Pass
NVNT	2-DH1	2402	Ant1	0.557	21	Pass
NVNT	2-DH1	2441	Ant1	-0.864	21	Pass
NVNT	2-DH1	2480	Ant1	-3.528	21	Pass

Power NVNT 1-DH1 2402MHz Ant1
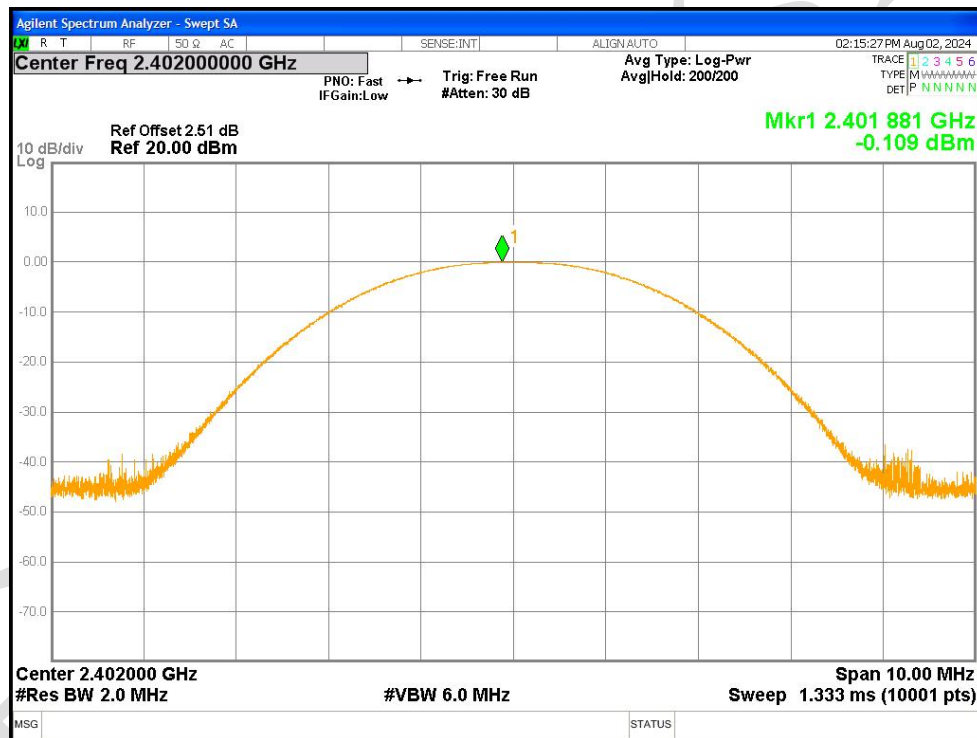
Power NVNT 1-DH1 2441MHz Ant1
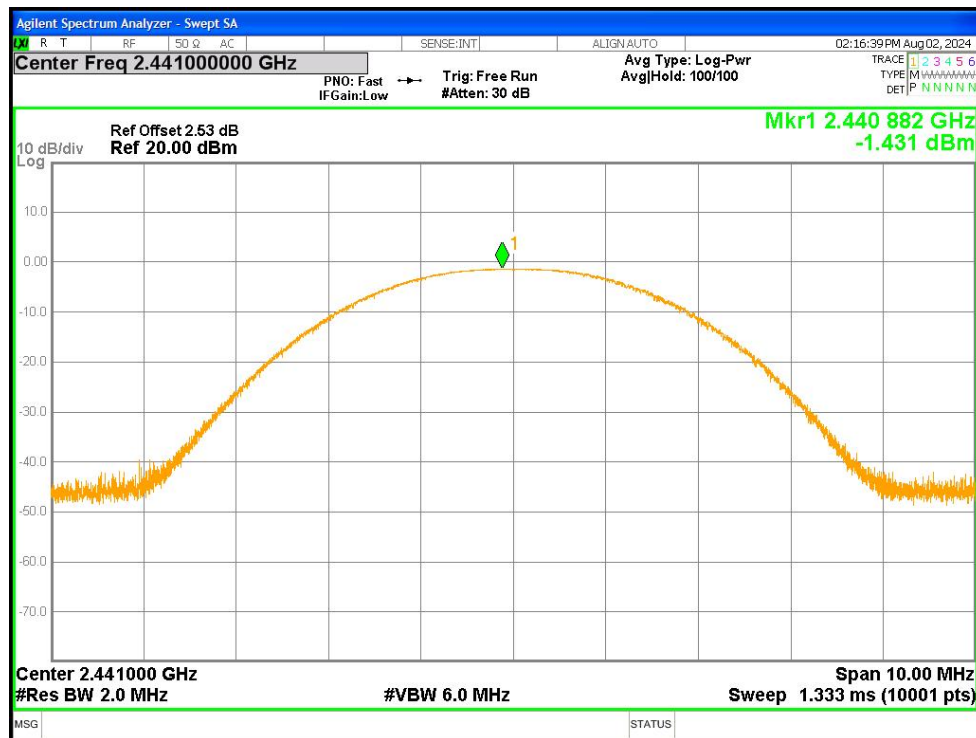
Power NVNT 1-DH1 2480MHz Ant1

Power NVNT 2-DH1 2402MHz Ant1

Power NVNT 2-DH1 2441MHz Ant1
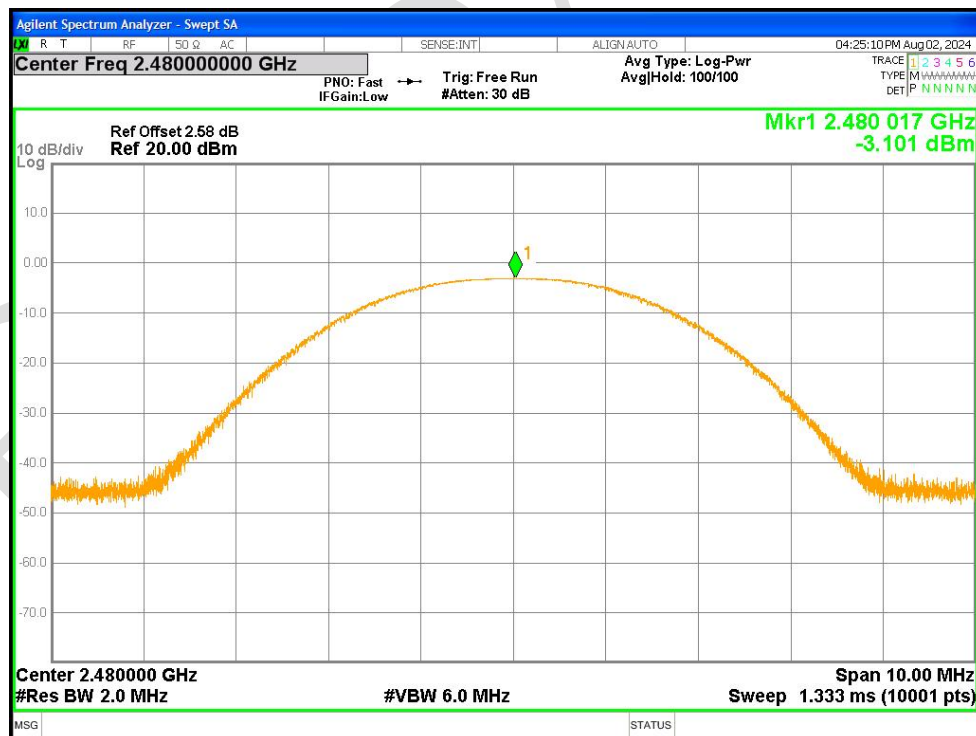
Power NVNT 2-DH1 2480MHz Ant1
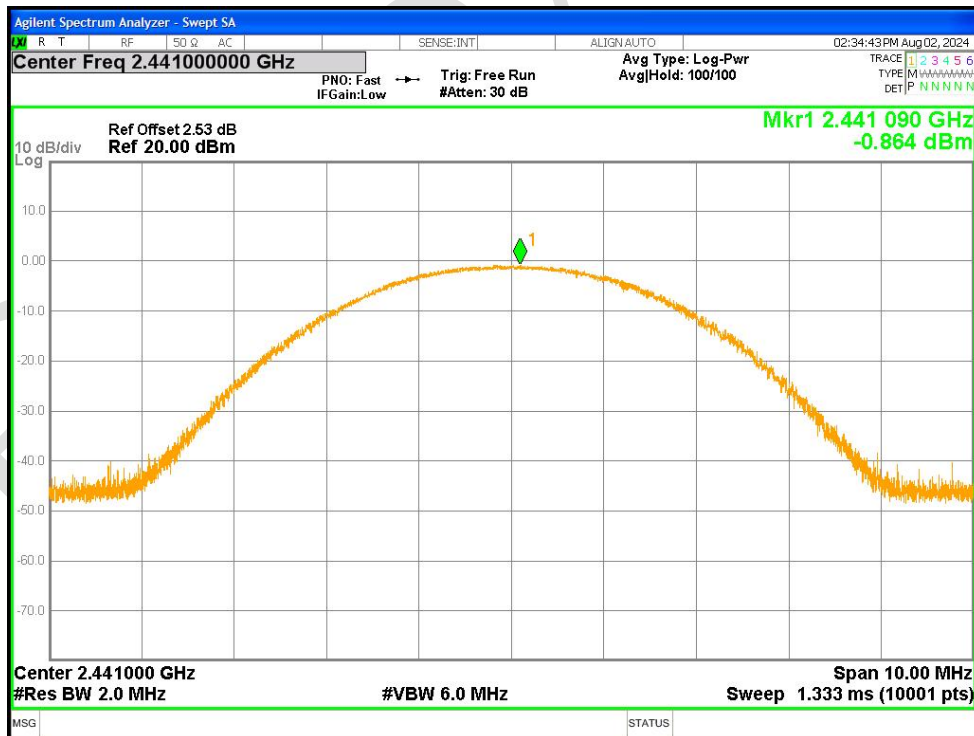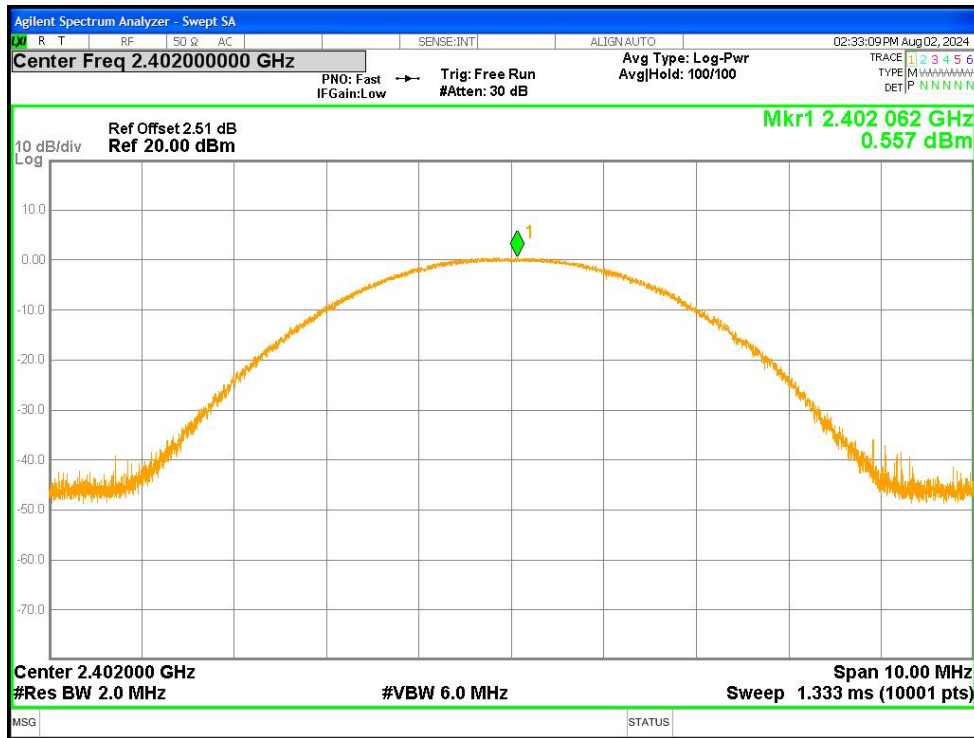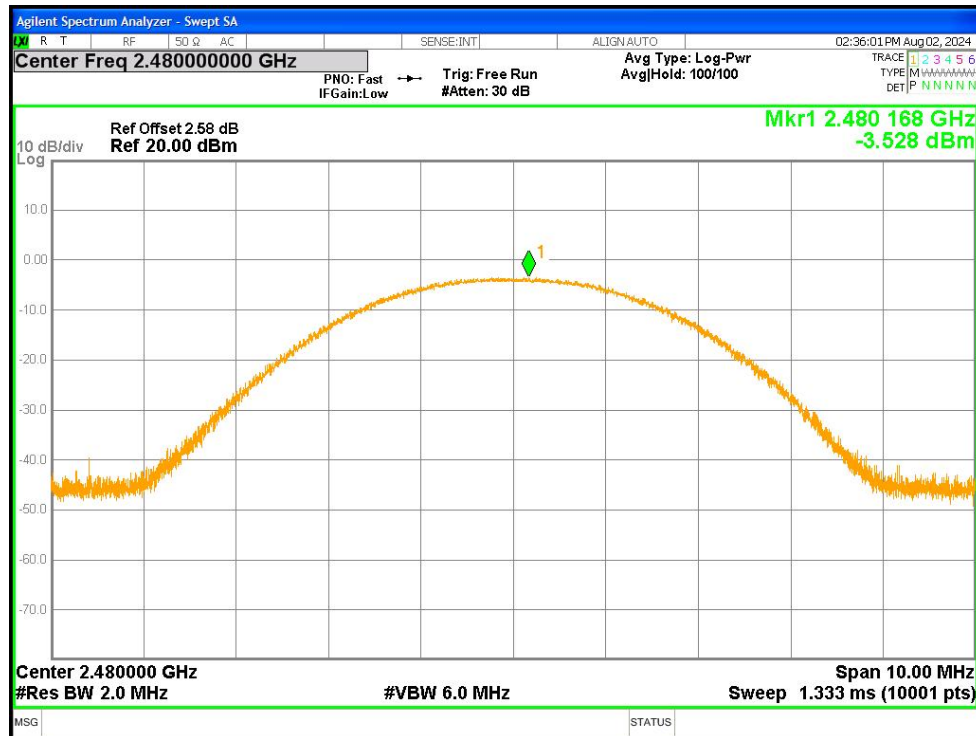
-20dB Bandwidth

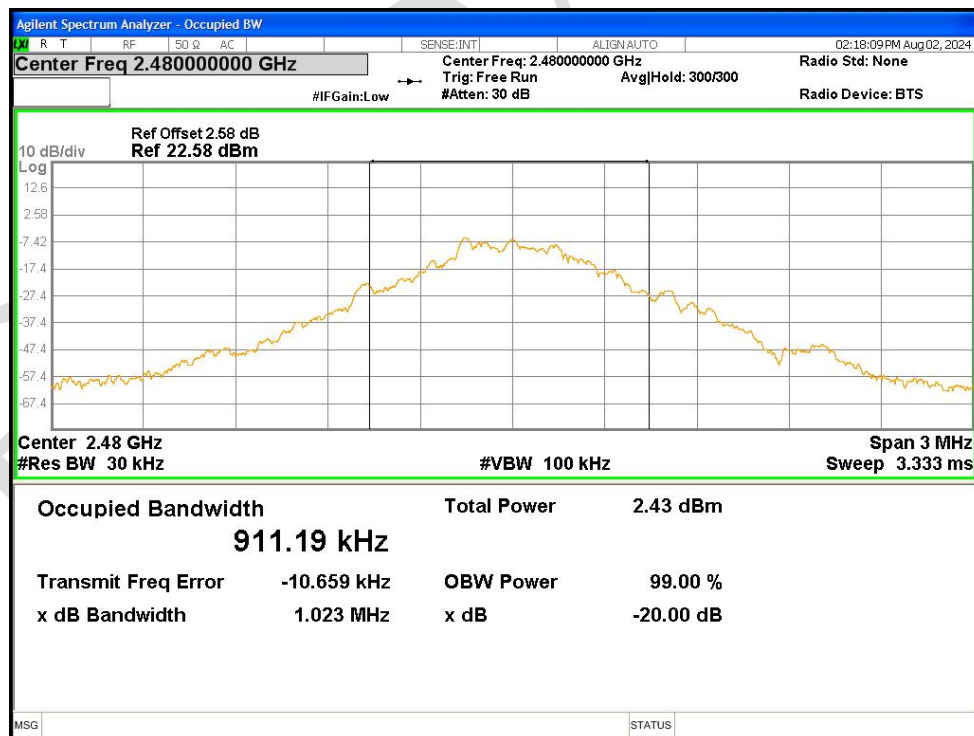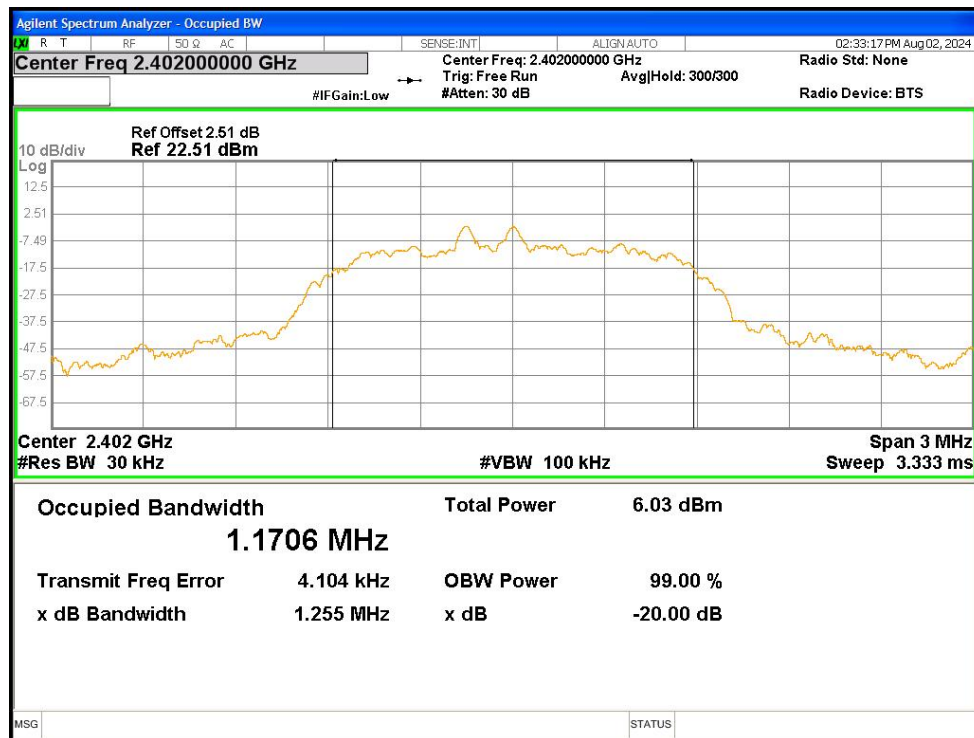| Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.917	N/A	Pass
NVNT	1-DH1	2441	Ant1	1.015	N/A	Pass
NVNT	1-DH1	2480	Ant1	1.023	N/A	Pass
NVNT	2-DH1	2402	Ant1	1.253	N/A	Pass
NVNT	2-DH1	2441	Ant1	1.272	N/A	Pass
NVNT	2-DH1	2480	Ant1	1.261	N/A	Pass

-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1
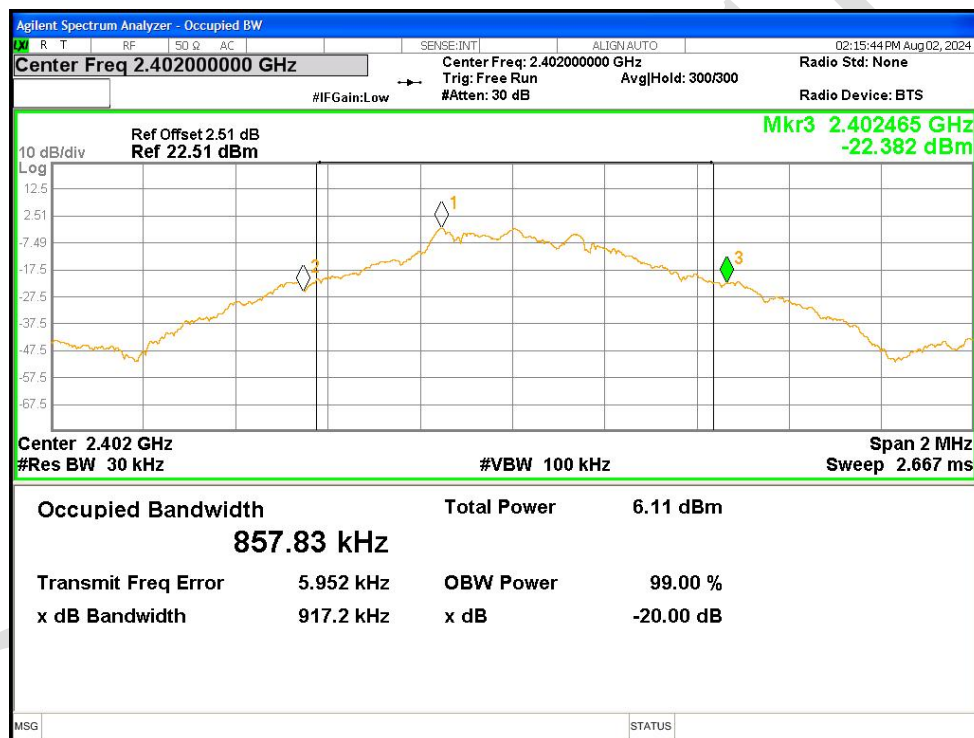
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1
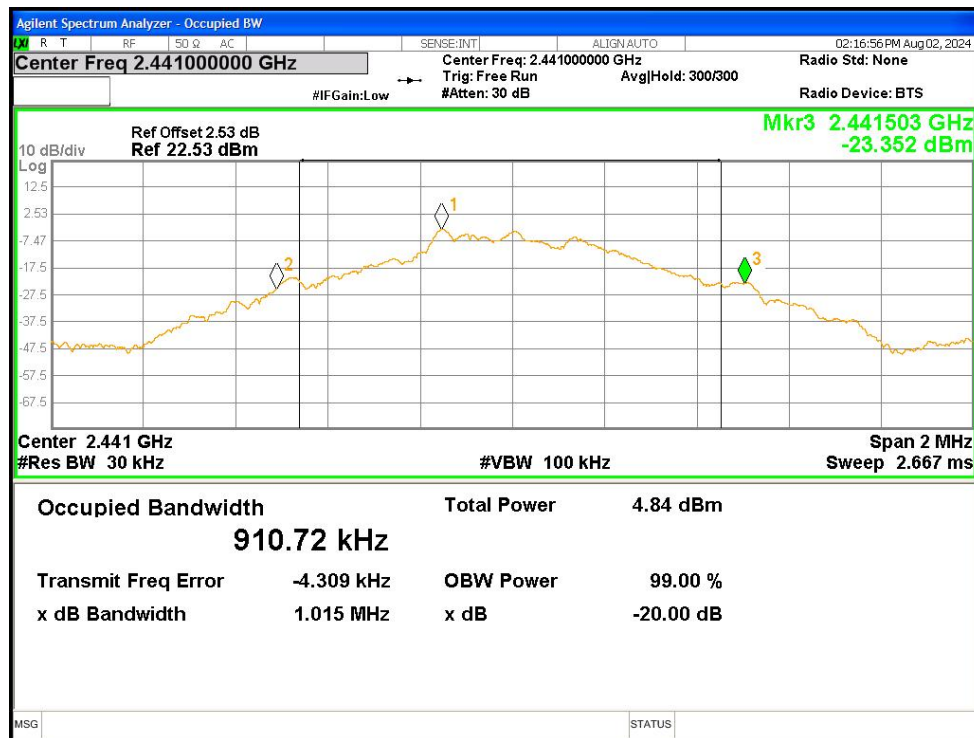
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1
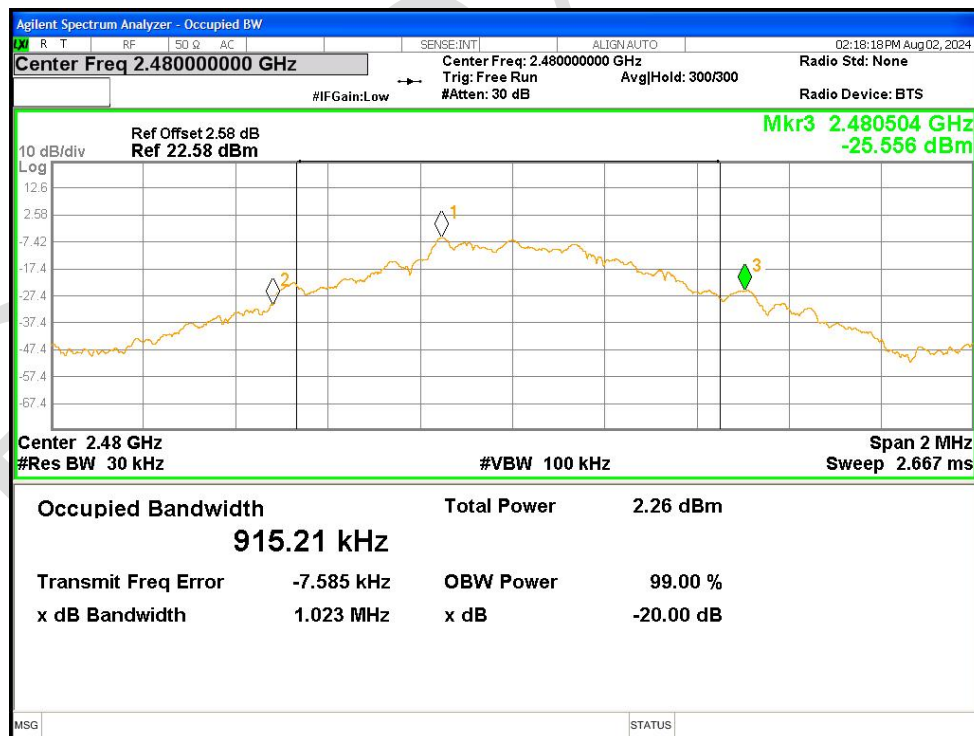
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1
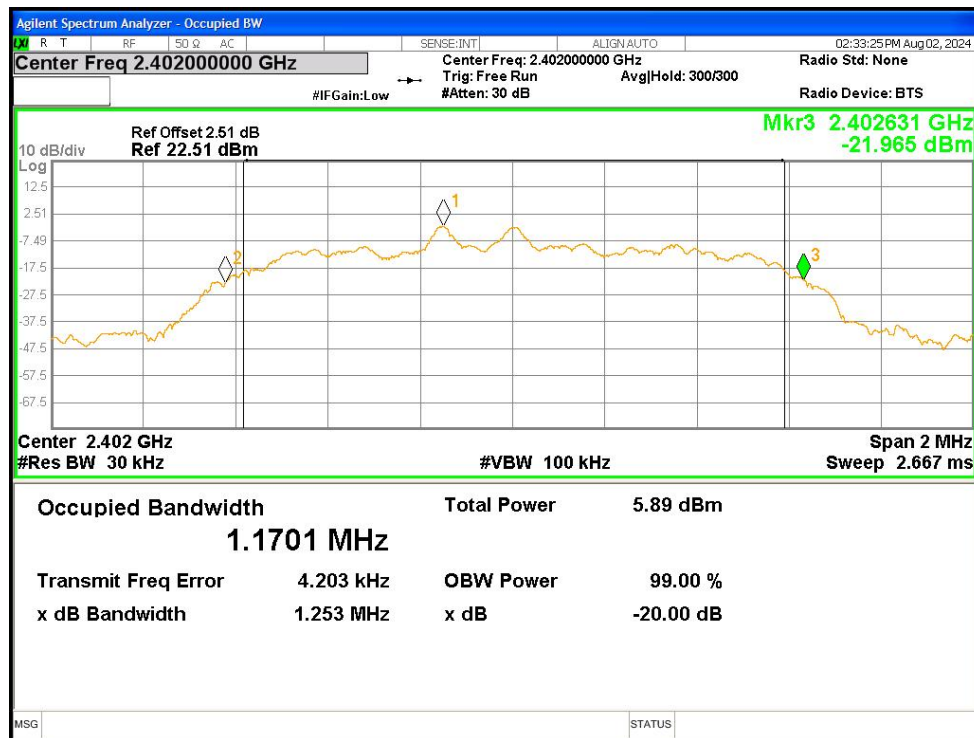
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1
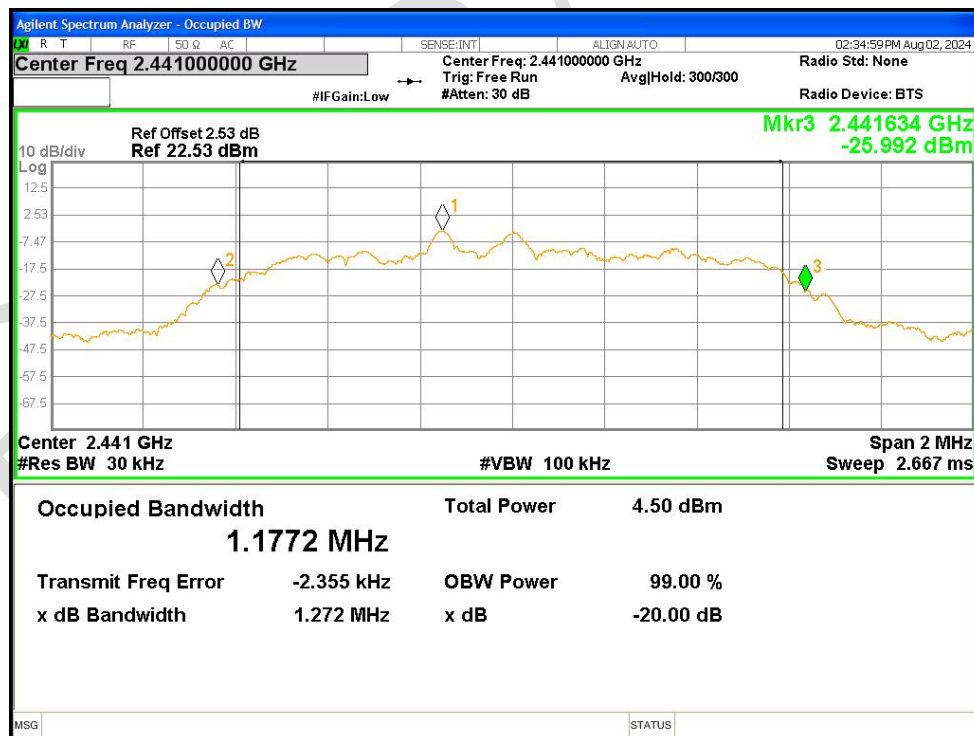
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1
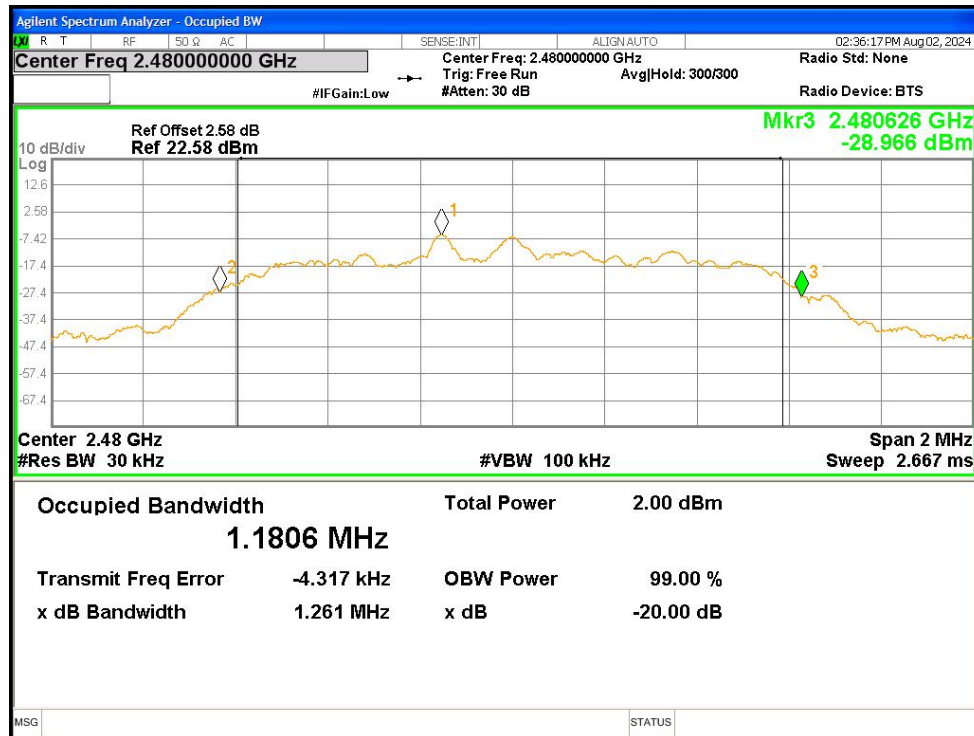
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.85973
NVNT	1-DH1	2441	Ant1	0.92174
NVNT	1-DH1	2480	Ant1	0.91119
NVNT	2-DH1	2402	Ant1	1.1706
NVNT	2-DH1	2441	Ant1	1.1732
NVNT	2-DH1	2480	Ant1	1.1886

OBW NVNT 1-DH1 2402MHz Ant1
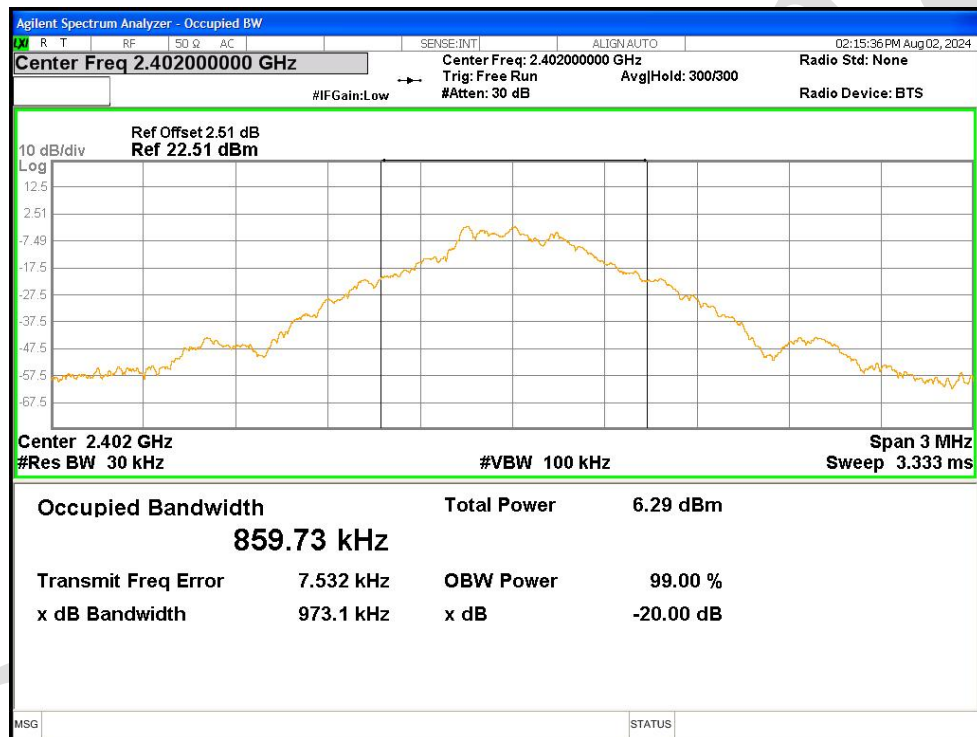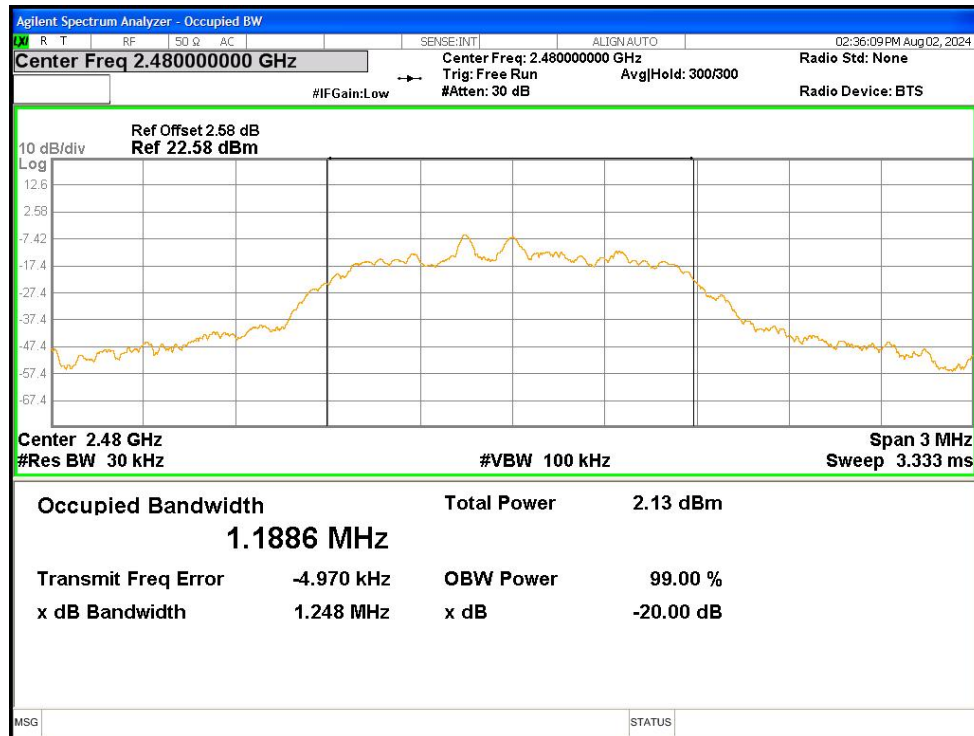

OBW NVNT 1-DH1 2441MHz Ant1
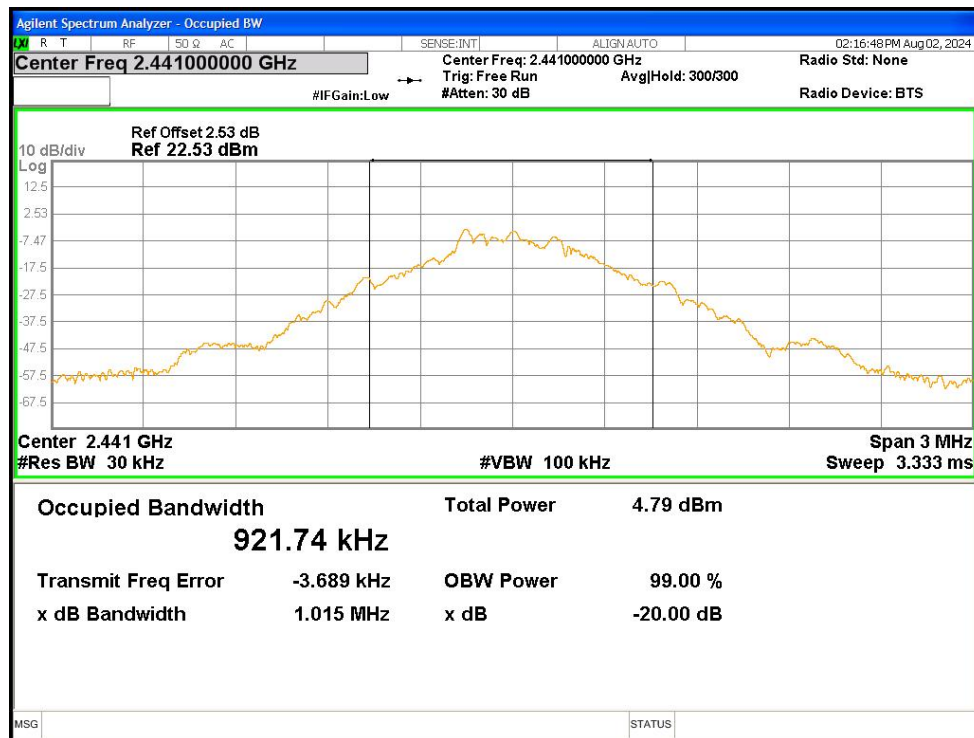
OBW NVNT 1-DH1 2480MHz Ant1

OBW NVNT 2-DH1 2402MHz Ant1

OBW NVNT 2-DH1 2441MHz Ant1

OBW NVNT 2-DH1 2480MHz Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.480000000 GHz

	Center Freq: 2.480000000 GHz	Radio Std: None
#IFGain:Low	Trig: Free Run Avg|Hold: 300/300	
	#Atten: 30 dB	Radio Device: BTS

Ref Offset 2.58 dB
Ref 22.58 dBm

10 dB/div
Log
12.6
2.58
-7.42
-17.4
-27.4
-37.4
-47.4
-57.4
-67.4

Center 2.48 GHz   Span 3 MHz
#Res BW 30 kHz   #VBW 100 kHz   Sweep 3.333 ms

Occupied Bandwidth		Total Power	2.13 dBm
1.1886 MHz			
Transmit Freq Error	-4.970 kHz	OBW Power	99.00 %
x dB Bandwidth	1.248 MHz	x dB	-20.00 dB

MSG   STATUS

02:36:09 PM Aug 02, 2024

Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-52.16	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-51.67	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-52.25	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-48.88	-20	Pass

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

Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission
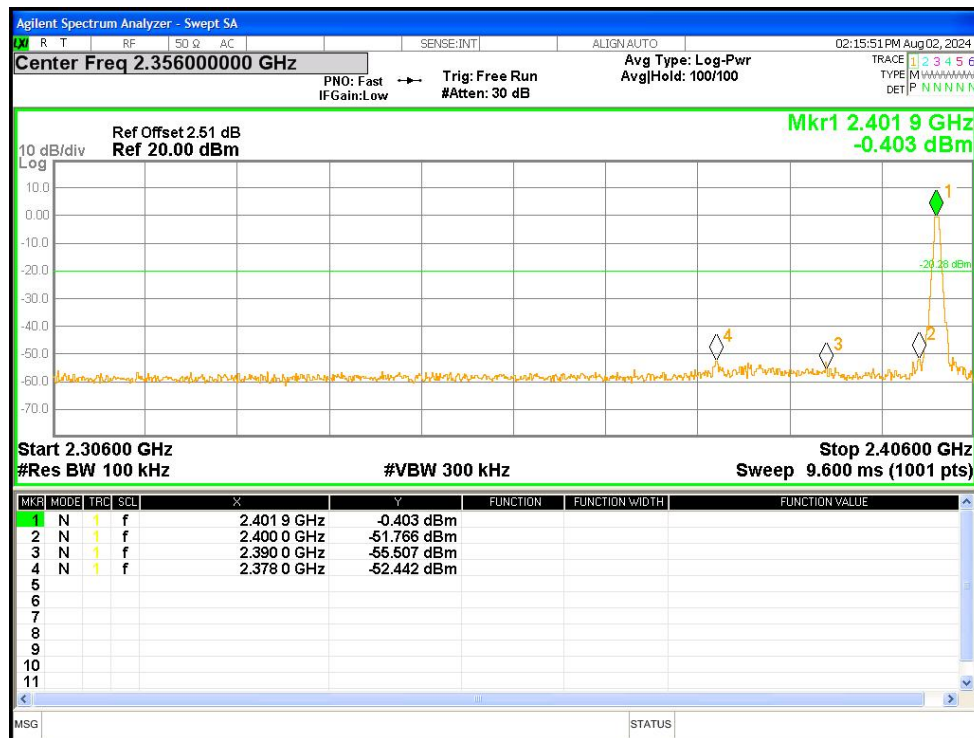
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref
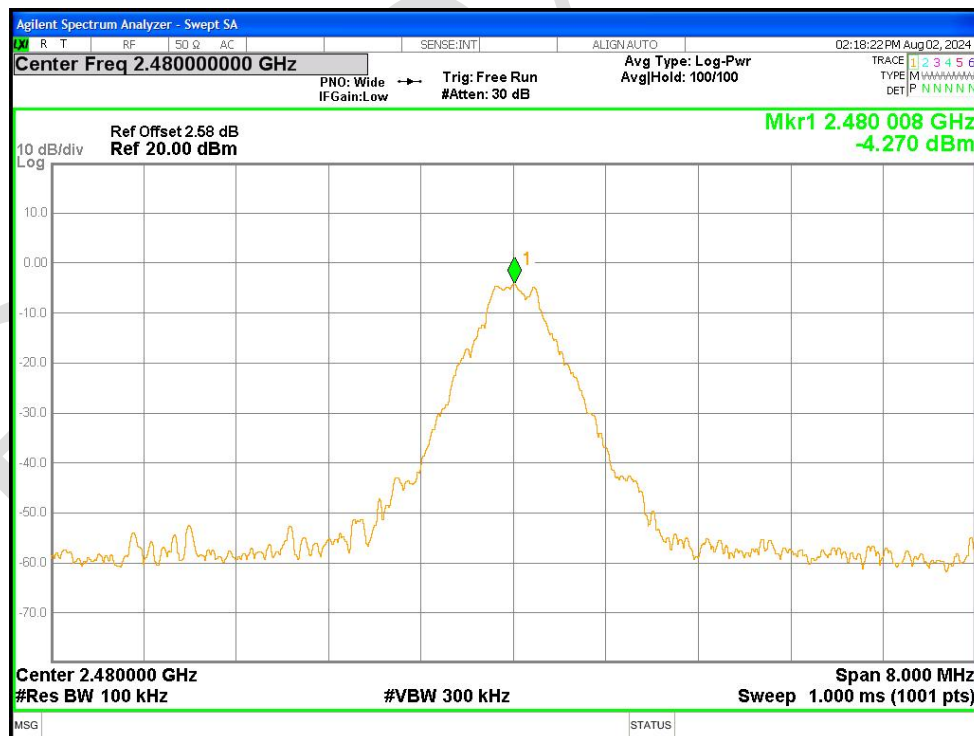
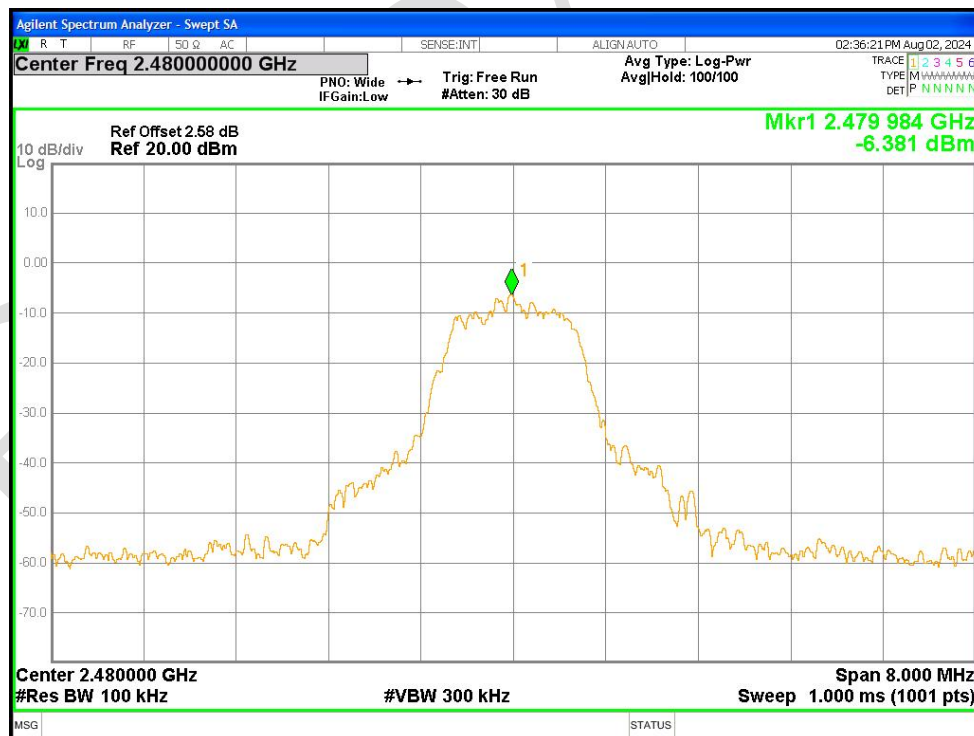Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission
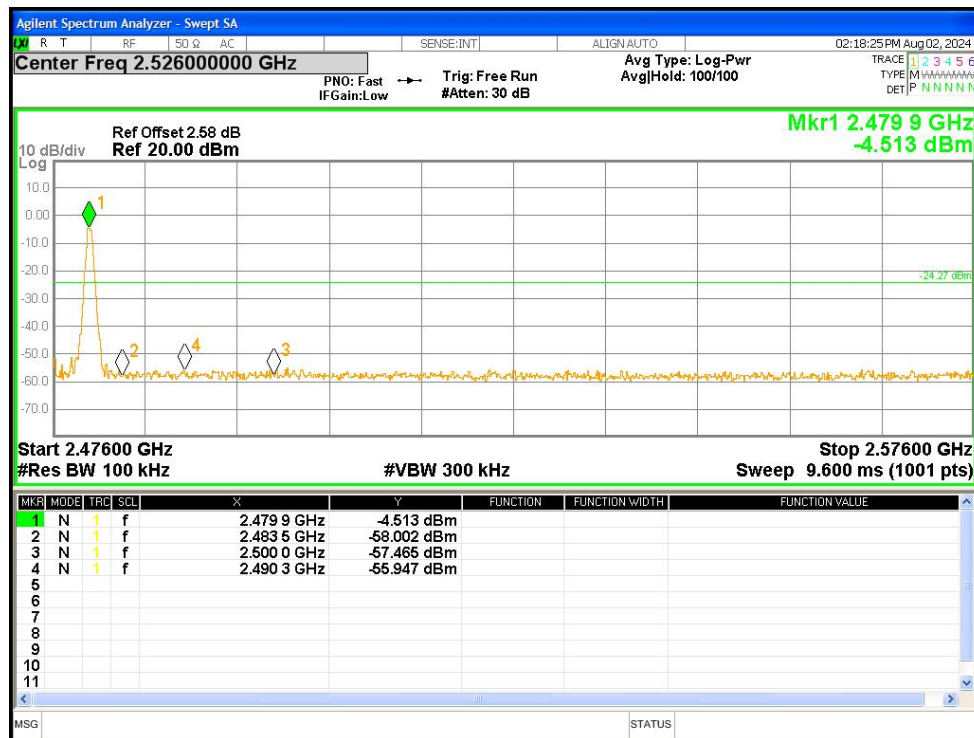
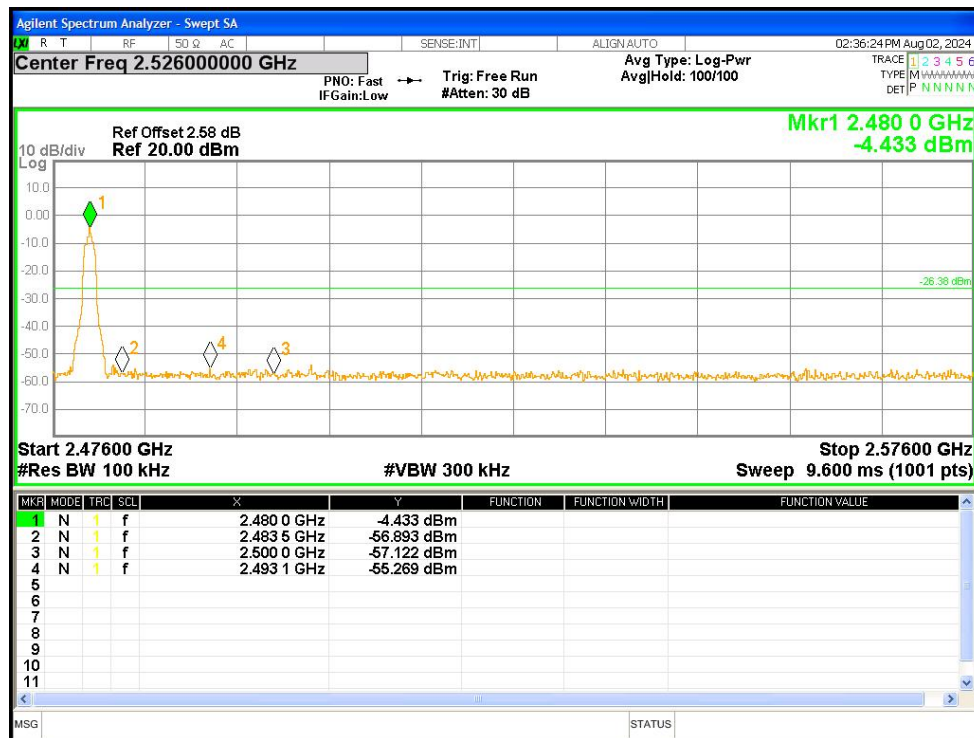Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref
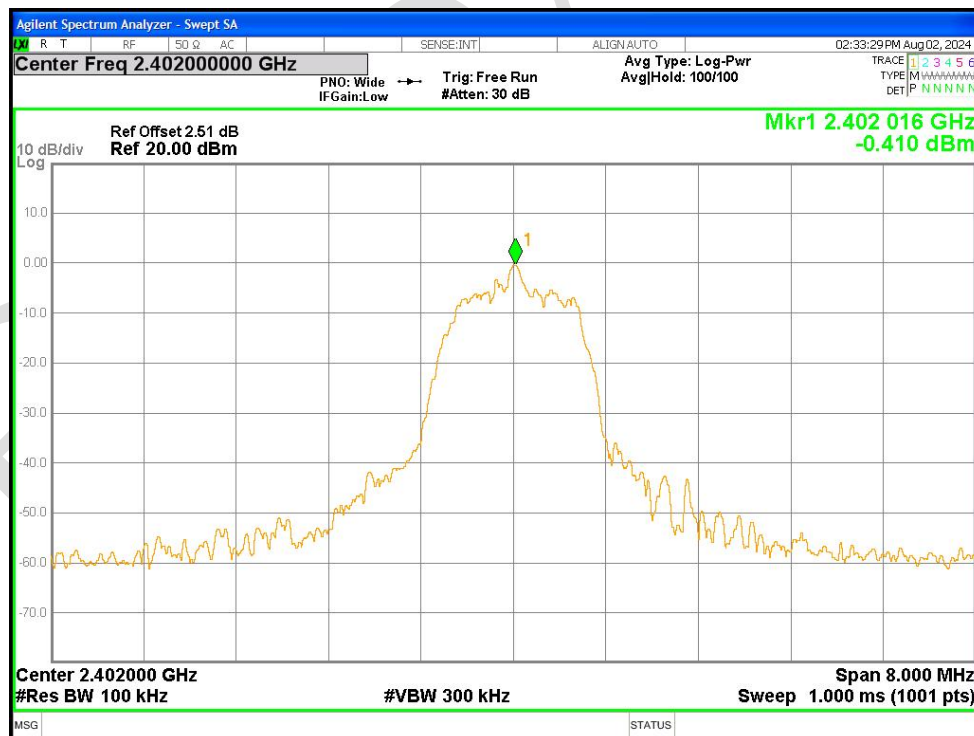
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission
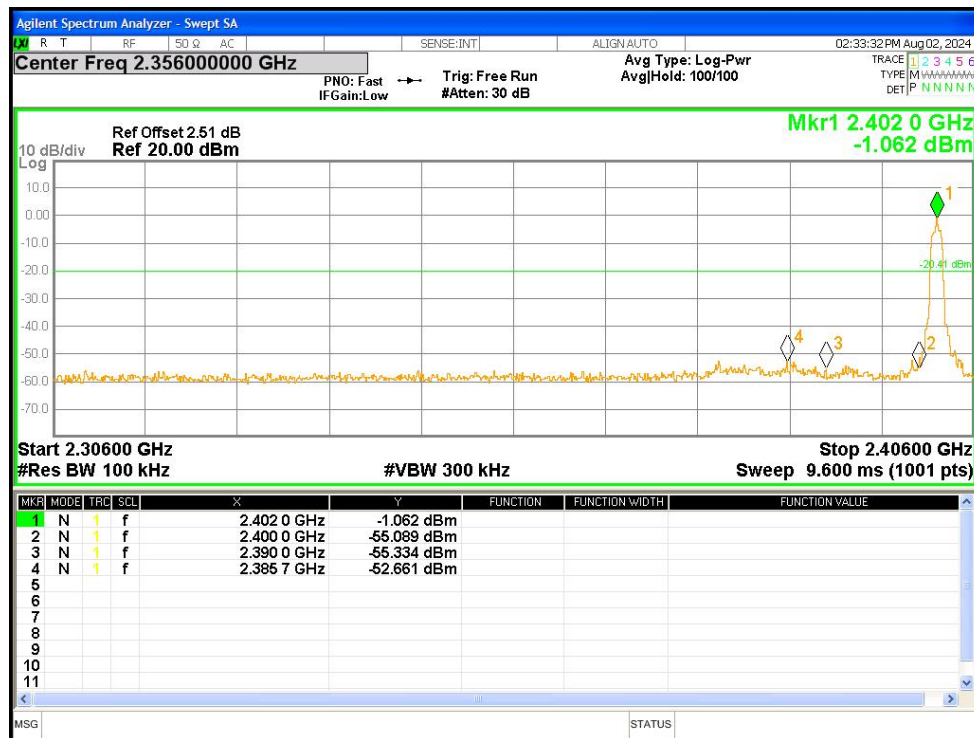
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref
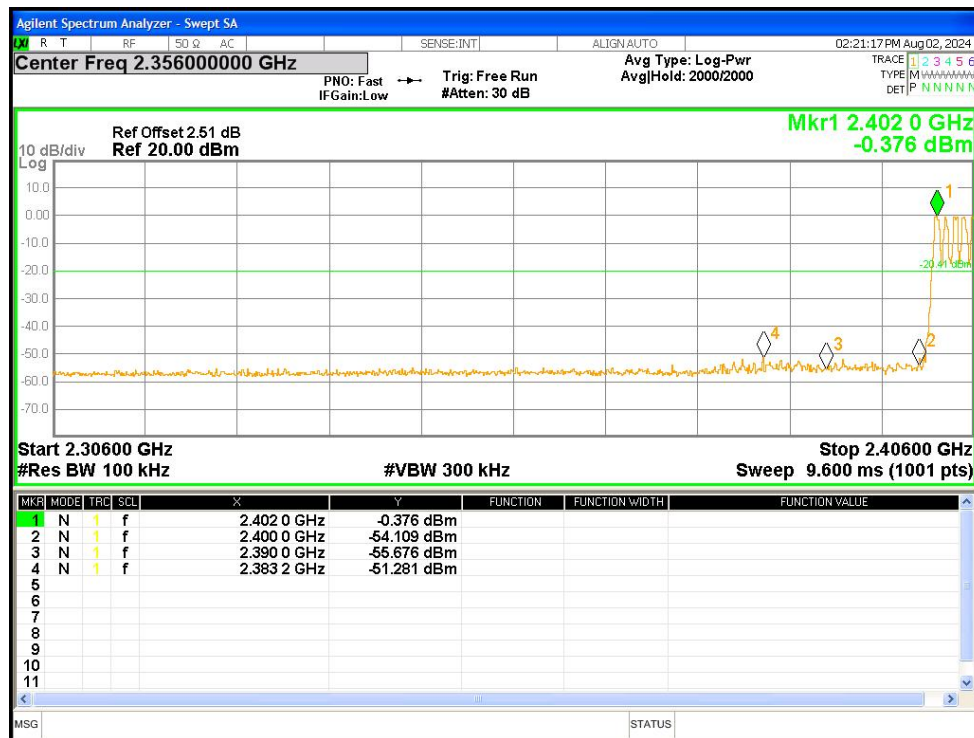

Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission

Band Edge(Hopping)

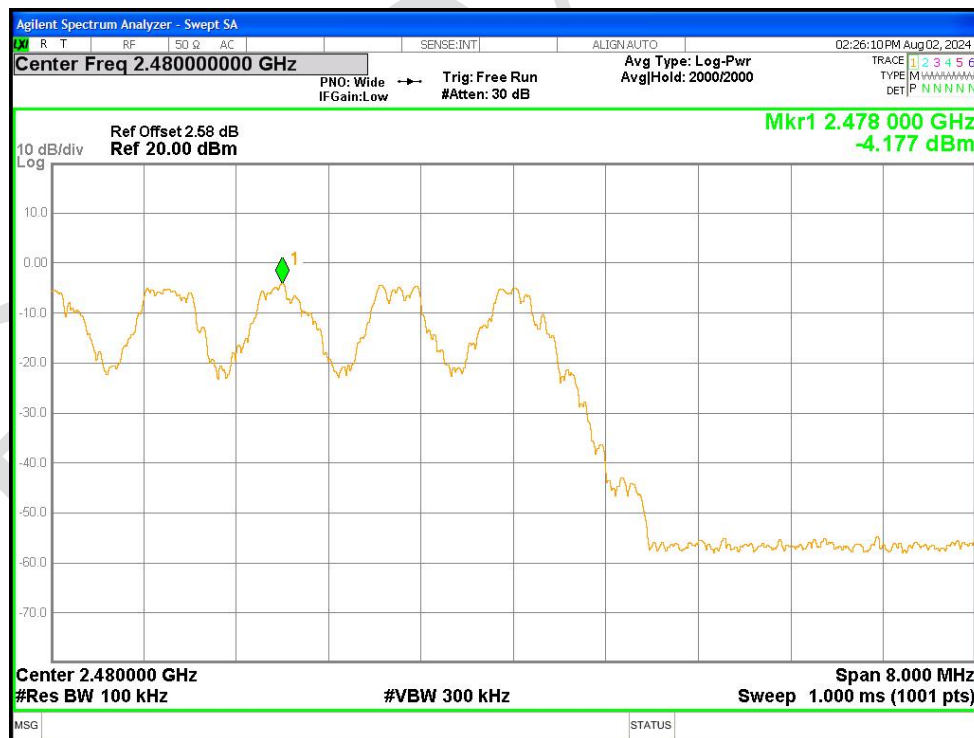| Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-50.87	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-49.35	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-51.2	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-48.6	-20	Pass

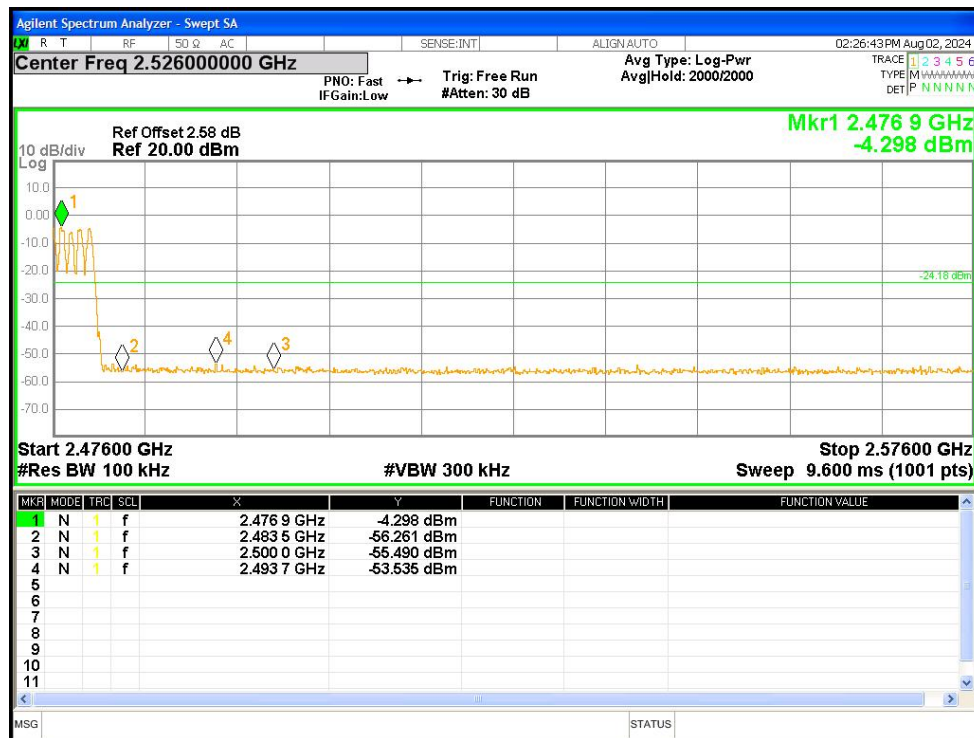Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref

Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission

Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref

Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission

Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref

Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission