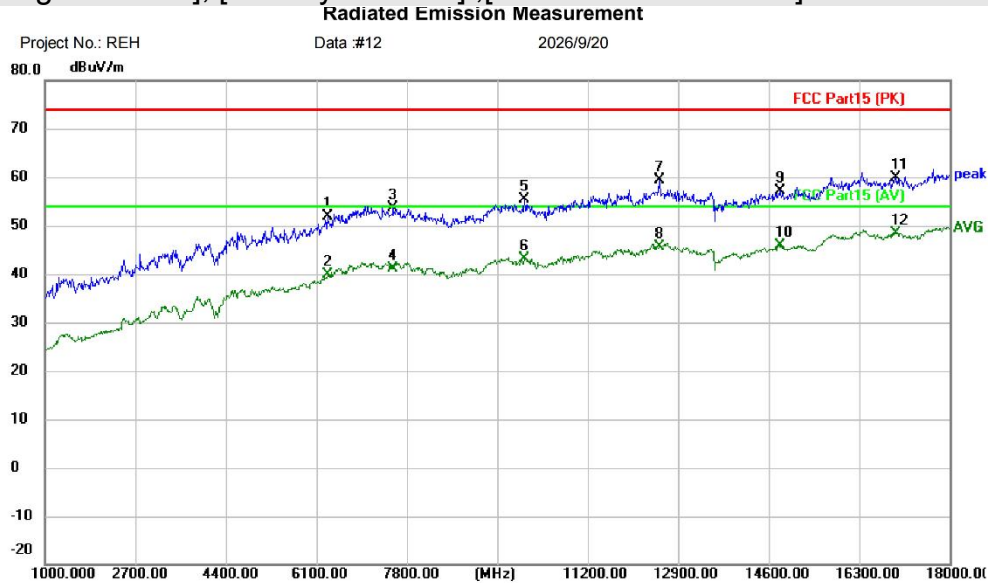


[Test mode: TX High channel]; [Polarity: Vertical] ;[Power:AC120V/60Hz]



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

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

EUT: Wireless Headphones

M/N: Aura Nebula

Mode: BT-TX-2480

Note: R

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		6304.000	46.99	4.90	51.89	74.00	-22.11	peak	
2		6304.000	34.89	4.90	39.79	54.00	-14.21	AVG	
3		7545.000	47.33	6.41	53.74	74.00	-20.26	peak	
4		7545.000	34.68	6.41	41.09	54.00	-12.91	AVG	
5		10010.00	44.61	10.69	55.30	74.00	-18.70	peak	
6		10010.00	32.51	10.69	43.20	54.00	-10.80	AVG	
7		12543.00	46.27	13.10	59.37	74.00	-14.63	peak	
8		12543.00	32.55	13.10	45.65	54.00	-8.35	AVG	
9		14804.00	45.29	11.93	57.22	74.00	-16.78	peak	
10		14804.00	33.94	11.93	45.87	54.00	-8.13	AVG	
11		16997.00	45.08	14.89	59.97	74.00	-14.03	peak	
12	*	16997.00	33.42	14.89	48.31	54.00	-5.69	AVG	

Test Result: Pass

Note:When scanning in the range of 1GHz~ 18GHz and the interference above 18GHz is very small, it is a low noise signal. The point shown in the figure above is the highest emission that can be found during the test, so only the above point is shown. The fundamental frequency is blocked by the filter. Only stray emission.

DH1,DH3, DH5 all have been tested, during the test, GFSK, pi/4DQPSK, 8DPSK,modulation were all pre-scanned Only the (8DPSK/3DH1) of the worst mode would be recorded in this report.

6.11 Radiated emissions which fall in the restricted bands

Test Standard	47 CFR Part 15, Subpart C 15.247(d) 47 CFR Part 15, Subpart C 15.205
Test Method	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Clause 6.10.5
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

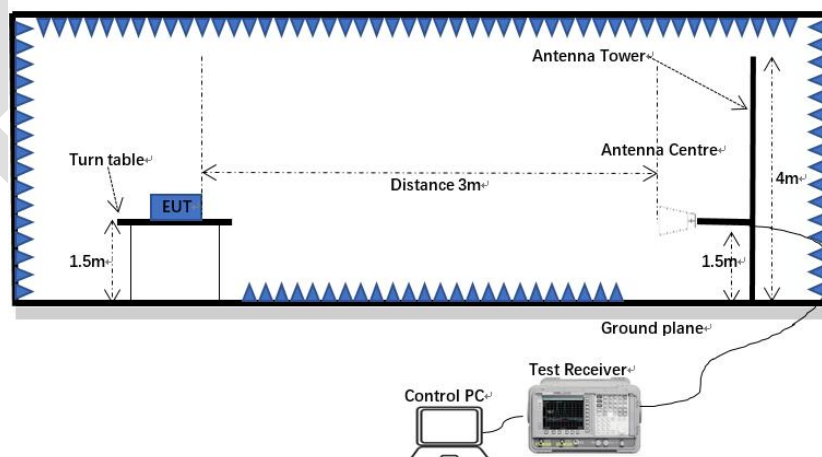
6.11.1 Limit

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

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.

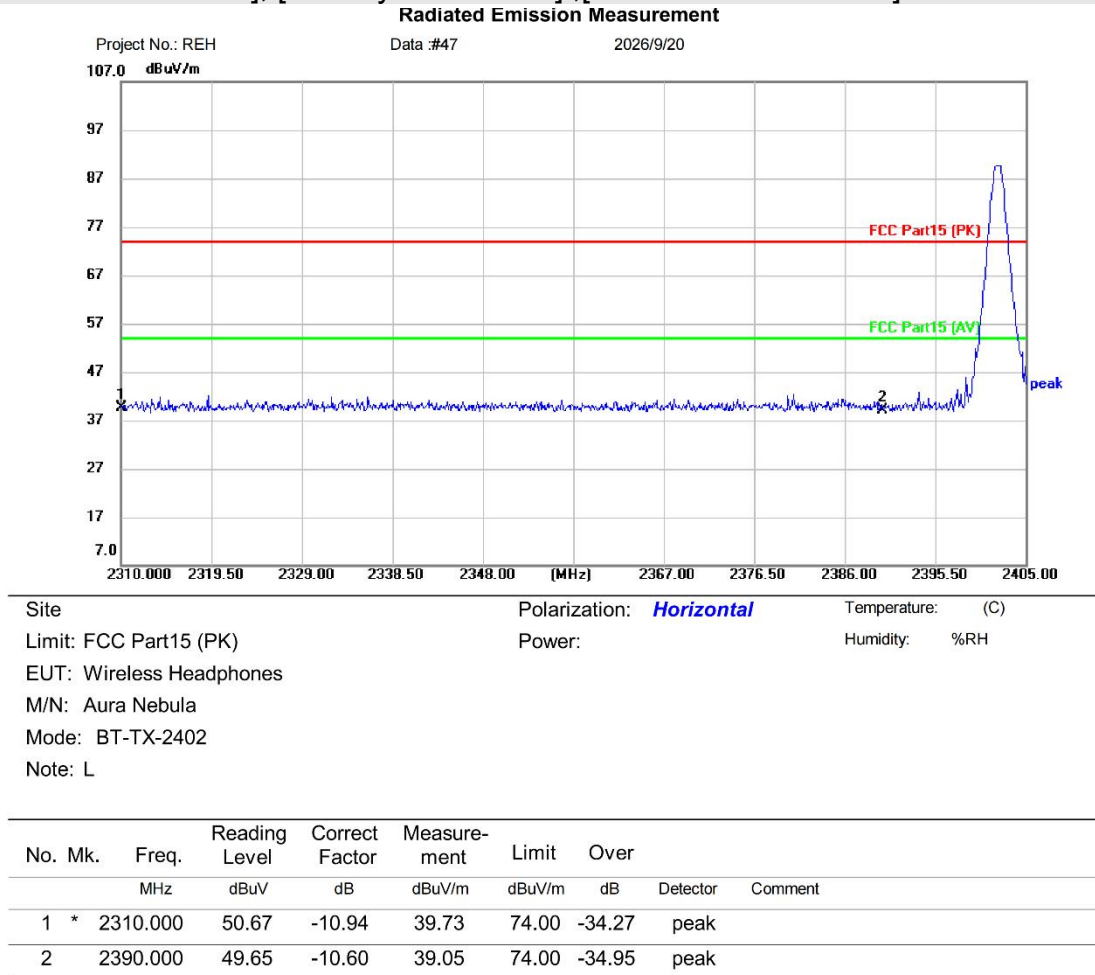
Note 1: Level (dBuV) = Reading (dBuV) + Factor (dB/m)

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.

6.11.4 Test data

6.11.4.1 Left ear

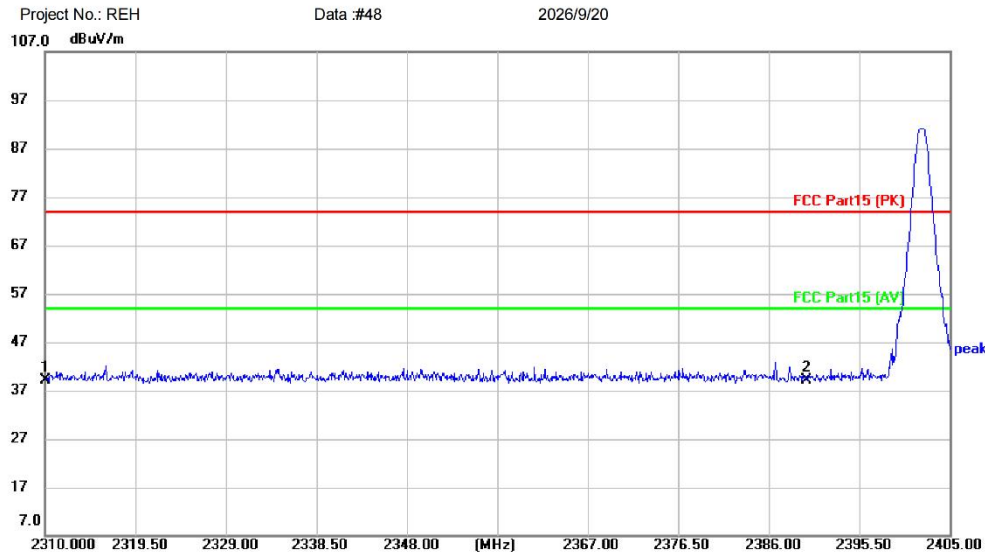
[Test mode: TX low channel]; [Polarity: Horizontal] ;[Power:AC120V/60Hz]



Test Result: Pass

[Test mode:TX low channel]; [Polarity: Vertical] ;[Power:AC120V/60Hz]

Radiated Emission Measurement



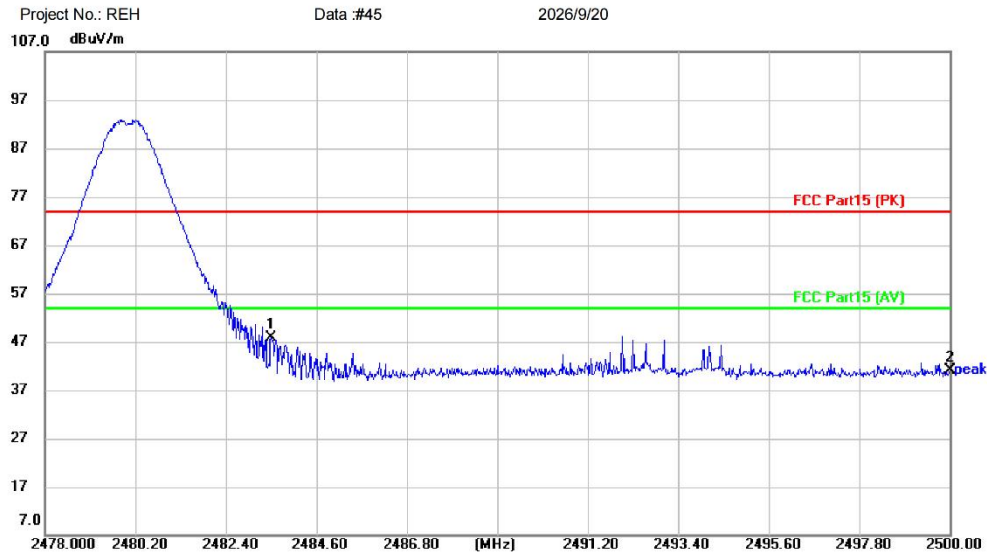
Site Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Wireless Headphones
M/N: Aura Nebula
Mode: BT-TX-2402
Note: L

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2310.000	50.05	-10.94	39.11	74.00	-34.89	peak	
2	*	2390.000	49.80	-10.60	39.20	74.00	-34.80	peak	

Test Result: Pass

[Test mode: TX High channel]; [Polarity: Horizontal] ;[Power:AC120V/60Hz]

Radiated Emission Measurement



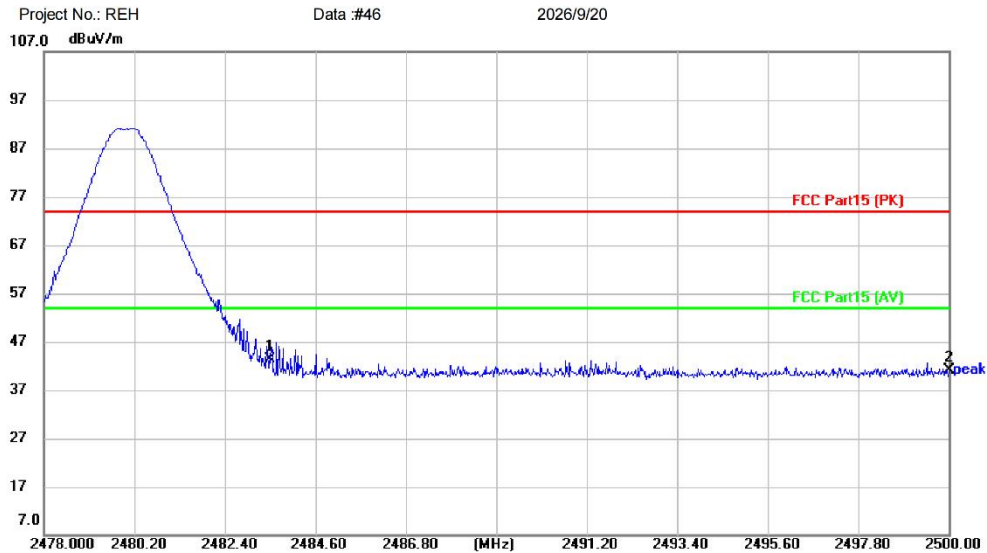
Site	Polarization: Horizontal	Temperature: (C)
Limit: FCC Part15 (PK)	Power:	Humidity: %RH
EUT: Wireless Headphones		
M/N: Aura Nebula		
Mode: BT-TX-2480		
Note: L		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2483.500	57.92	-10.08	47.84	74.00	-26.16	peak	
2		2500.000	51.04	-9.99	41.05	74.00	-32.95	peak	

Test Result: Pass

[Test mode:TX High channel]; [Polarity: Vertical] ;[Power:AC120V/60Hz]

Radiated Emission Measurement



Site Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Wireless Headphones
M/N: Aura Nebula
Mode: BT-TX-2480
Note: L

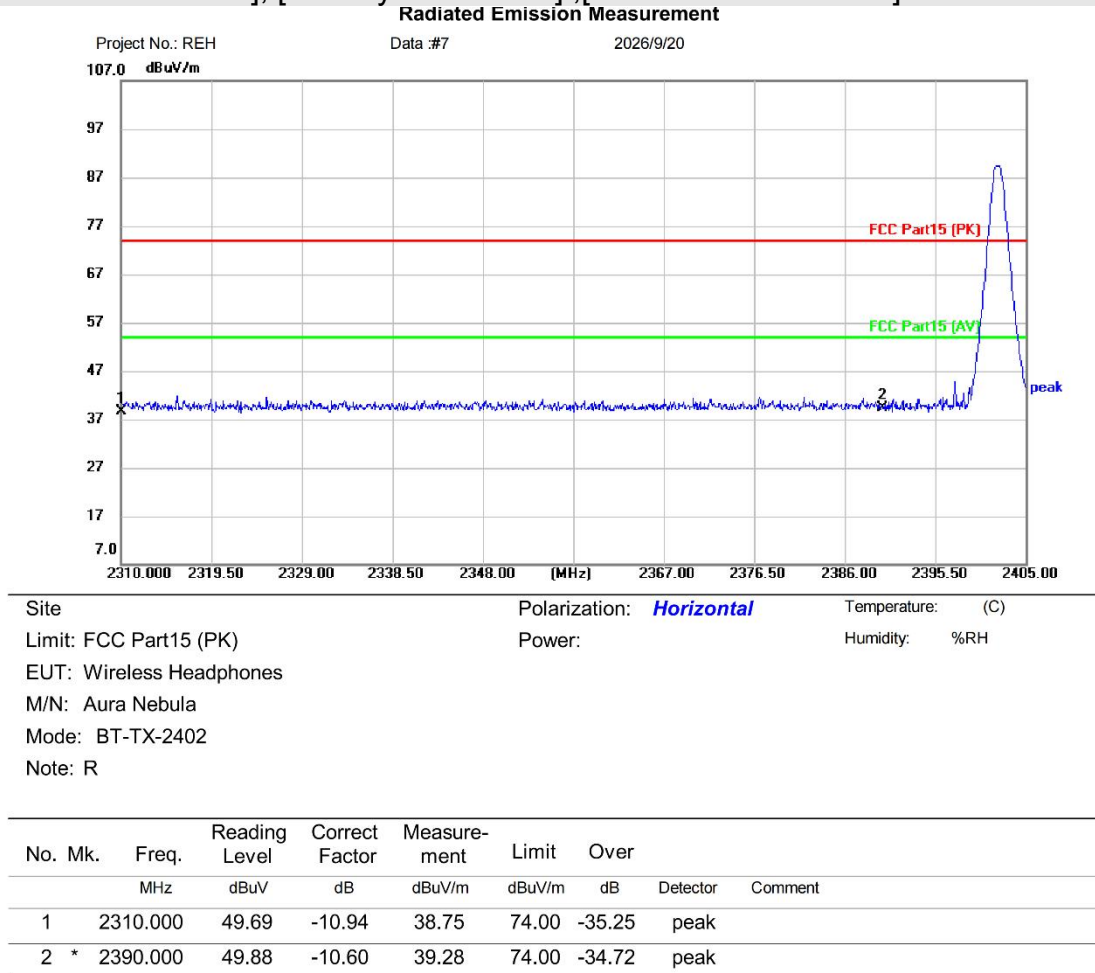
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2483.500	53.57	-10.08	43.49	74.00	-30.51	peak	
2		2500.000	51.14	-9.99	41.15	74.00	-32.85	peak	

Test Result: Pass

DH1,DH3, DH5 all have been tested, during the test, GFSK, pi/4DQPSK, 8DPSK,modulation were all pre-scanned Only the (3DH1/8DPSK) of the worst mode would be recorded in this report.

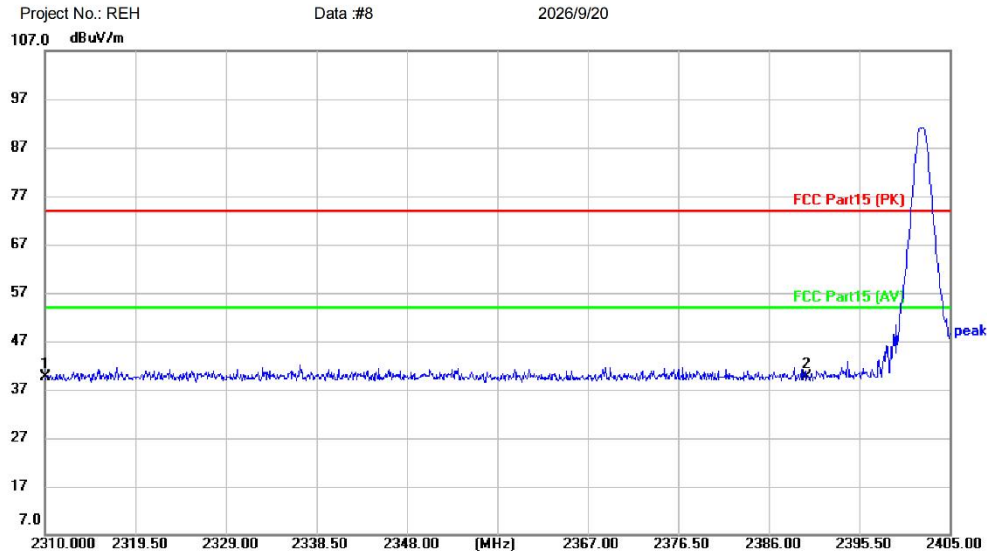
6.11.4.2 Right ear

[Test mode: TX low channel]; [Polarity: Horizontal] ;[Power:AC120V/60Hz]


Test Result: Pass

[Test mode:TX low channel]; [Polarity: Vertical] ;[Power:AC120V/60Hz]

Radiated Emission Measurement



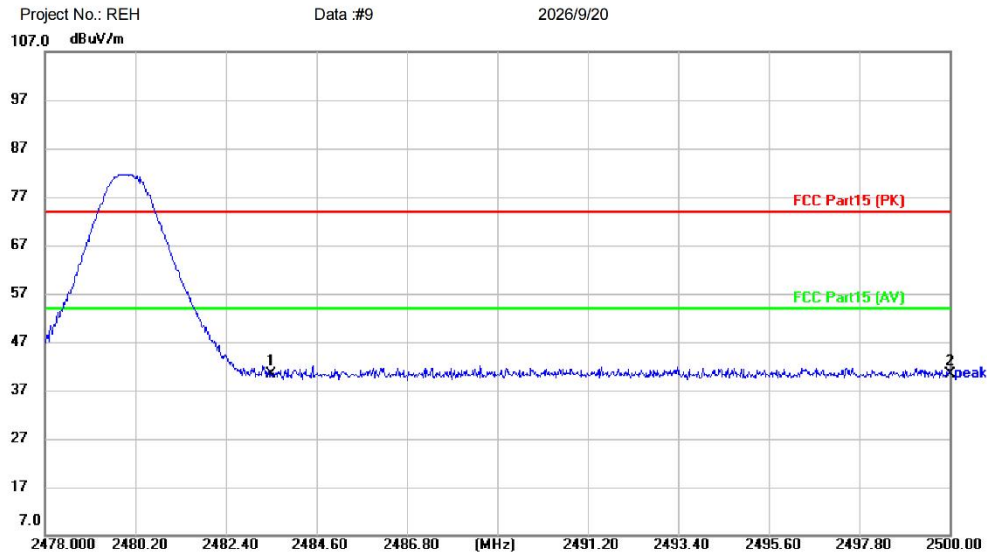
Site Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Wireless Headphones
M/N: Aura Nebula
Mode: BT-TX-2402
Note: R

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2310.000	50.61	-10.94	39.67	74.00	-34.33	peak	
2	*	2390.000	50.30	-10.60	39.70	74.00	-34.30	peak	

Test Result: Pass

[Test mode: TX High channel]; [Polarity: Horizontal] ;[Power:AC120V/60Hz]

Radiated Emission Measurement



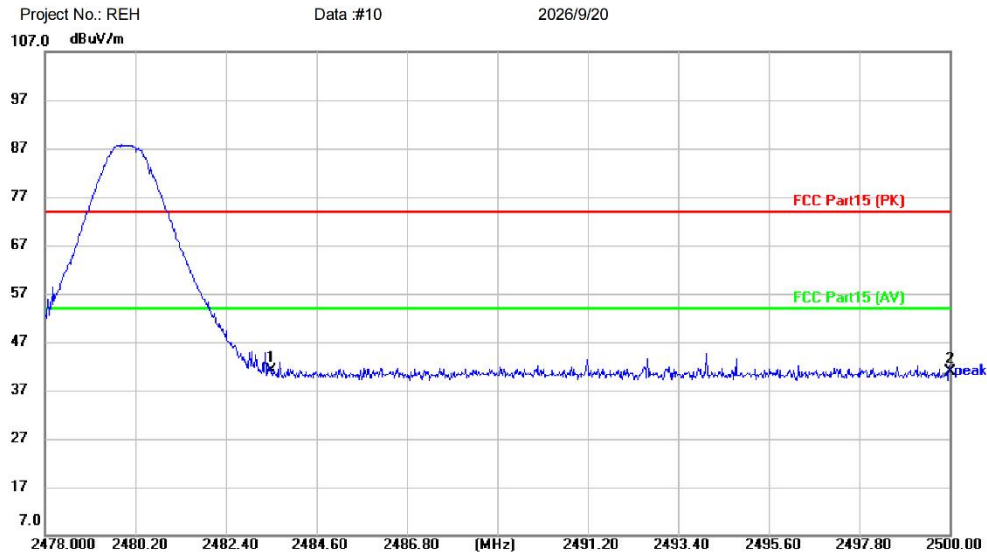
Site: Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Wireless Headphones
M/N: Aura Nebula
Mode: BT-TX-2480
Note: R

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	50.46	-10.08	40.38	74.00	-33.62	peak	
2	*	2500.000	50.46	-9.99	40.47	74.00	-33.53	peak	

Test Result: Pass

[Test mode:TX High channel]; [Polarity: Vertical] ;[Power:AC120V/60Hz]

Radiated Emission Measurement



Site: Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Wireless Headphones
M/N: Aura Nebula
Mode: BT-TX-2480
Note: R

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2483.500	51.11	-10.08	41.03	74.00	-32.97	peak	
2		2500.000	50.75	-9.99	40.76	74.00	-33.24	peak	

Test Result: Pass

DH1,DH3, DH5 all have been tested, during the test, GFSK, pi/4DQPSK, 8DPSK,modulation were all pre-scanned Only the (3DH1/8DPSK) of the worst mode would be recorded in this report.

7 Appendix A

7.1.1 Maximum Conducted Output Power

Left:

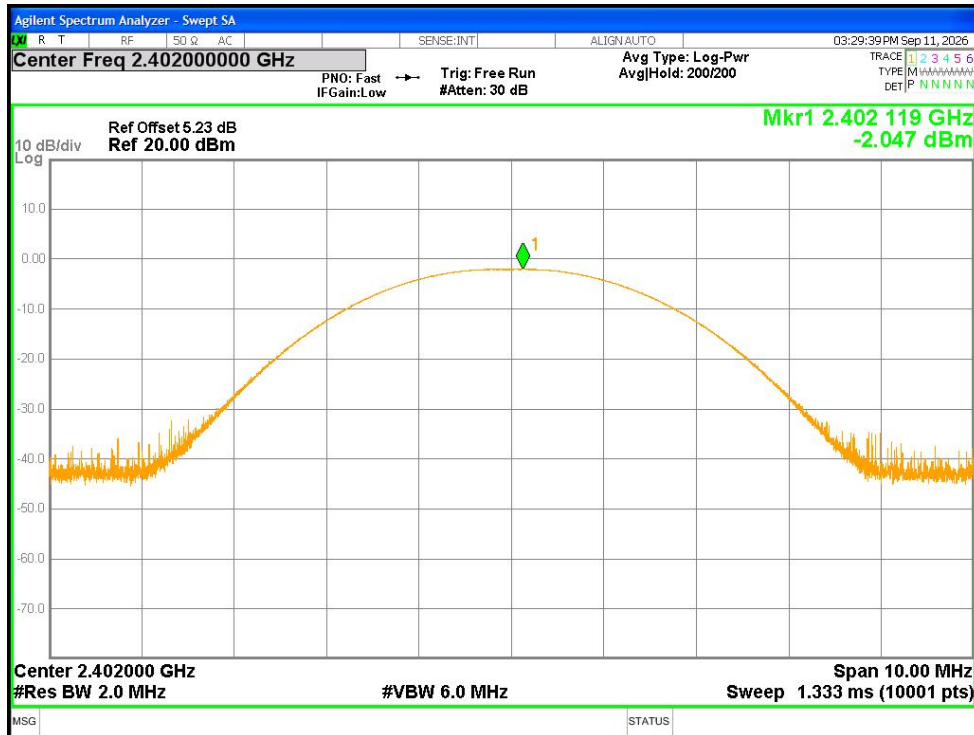
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-2.047	21	Pass
NVNT	1-DH1	2441	Ant1	-1.152	21	Pass
NVNT	1-DH1	2480	Ant1	-2.232	21	Pass
NVNT	2-DH1	2402	Ant1	0.452	21	Pass
NVNT	2-DH1	2441	Ant1	1.297	21	Pass
NVNT	2-DH1	2480	Ant1	0.169	21	Pass
NVNT	3-DH1	2402	Ant1	1.064	21	Pass
NVNT	3-DH1	2441	Ant1	1.844	21	Pass
NVNT	3-DH1	2480	Ant1	0.805	21	Pass

Right:

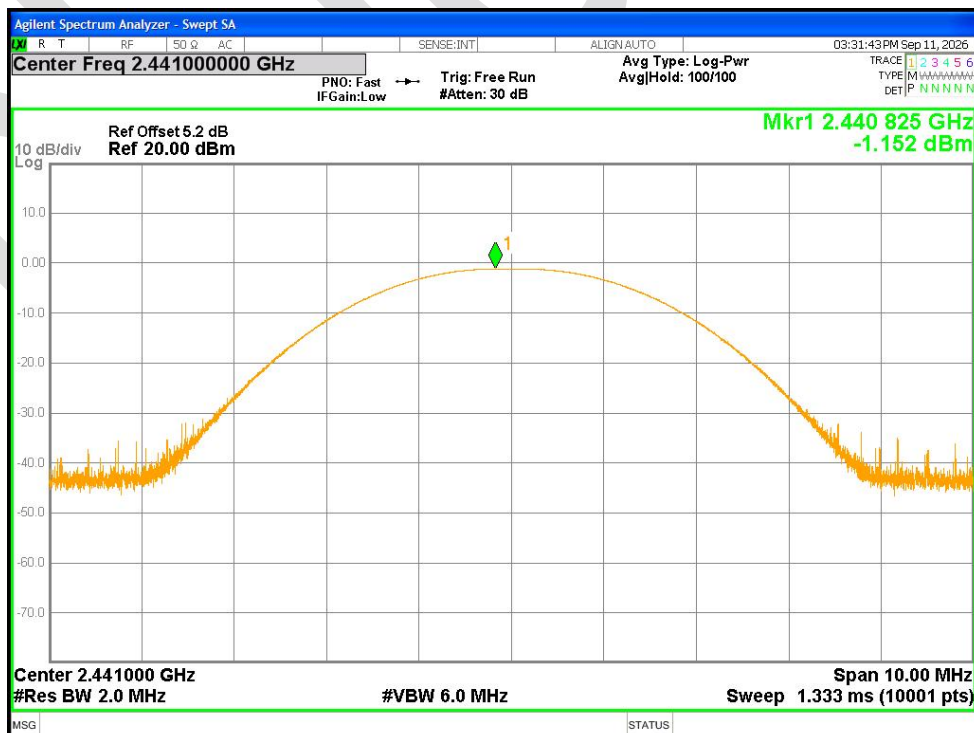
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-4.065	21	Pass
NVNT	1-DH1	2441	Ant1	-3.364	21	Pass
NVNT	1-DH1	2480	Ant1	-4.538	21	Pass
NVNT	2-DH1	2402	Ant1	-1.721	21	Pass
NVNT	2-DH1	2441	Ant1	-1.024	21	Pass
NVNT	2-DH1	2480	Ant1	-2.162	21	Pass
NVNT	3-DH1	2402	Ant1	-1.264	21	Pass
NVNT	3-DH1	2441	Ant1	-0.483	21	Pass
NVNT	3-DH1	2480	Ant1	-1.697	21	Pass

Left:

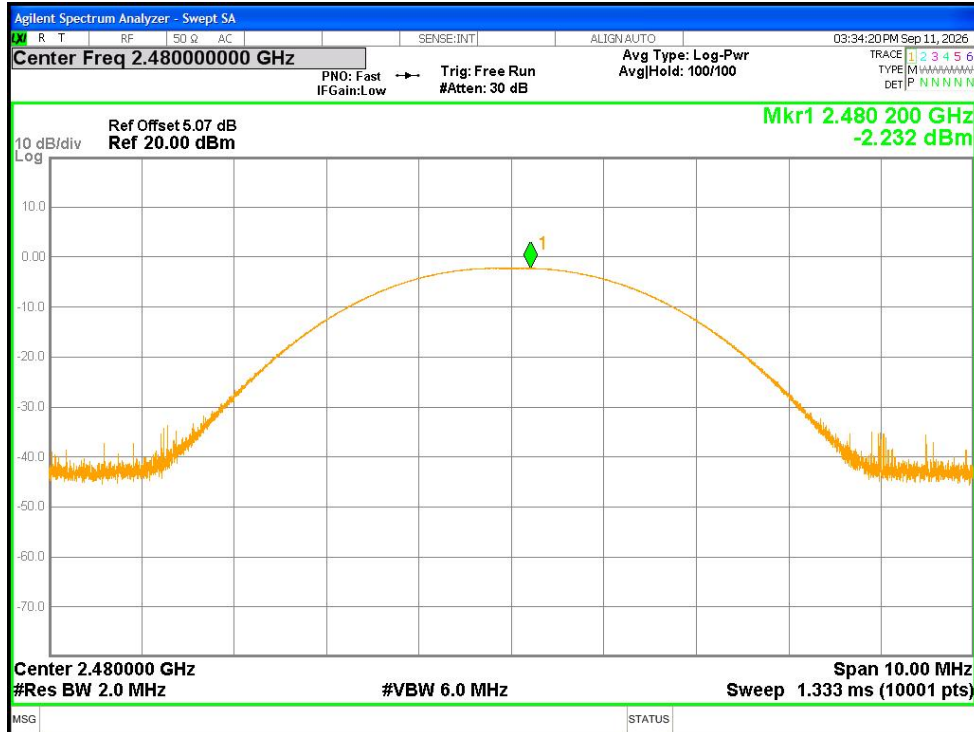
Power NVNT 1-DH1 2402MHz Ant1



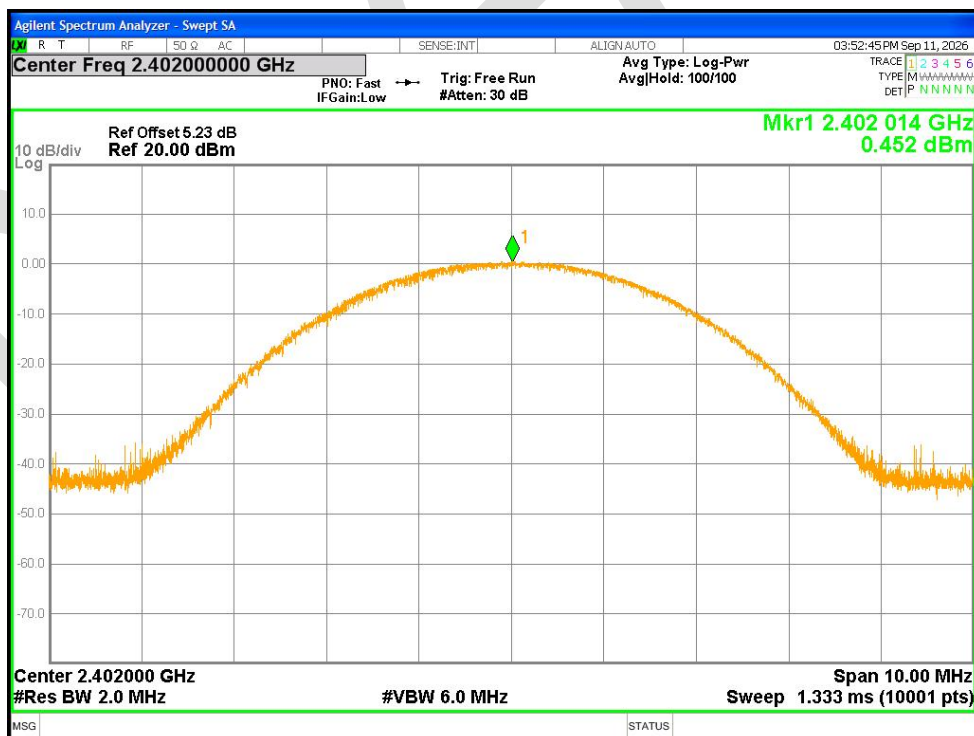
Power NVNT 1-DH1 2441MHz Ant1



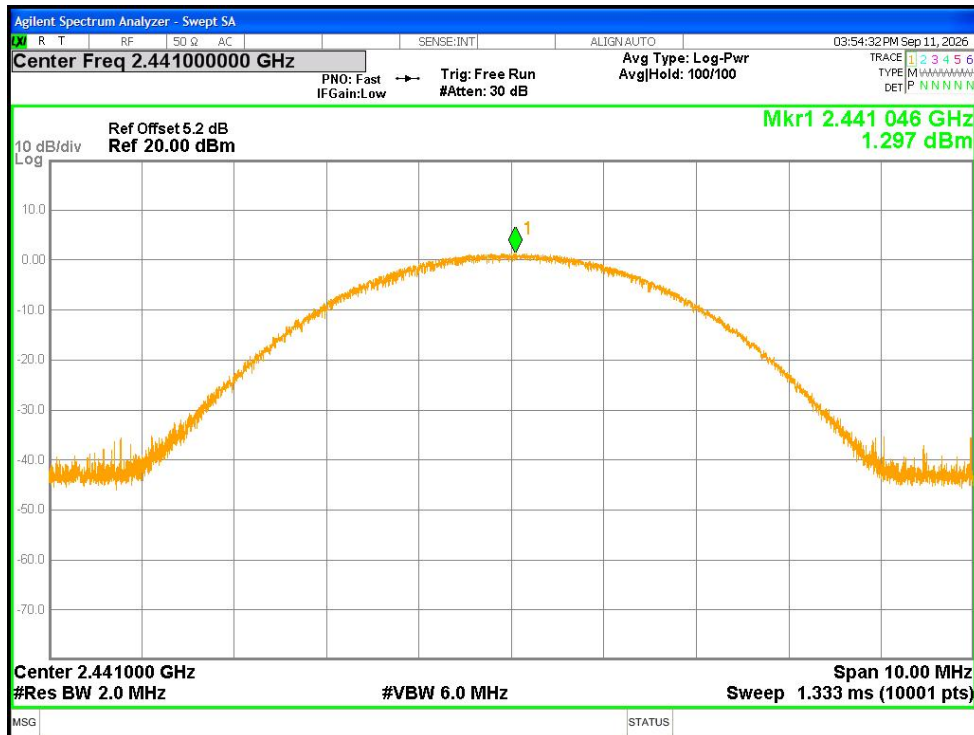
Power NVNT 1-DH1 2480MHz Ant1



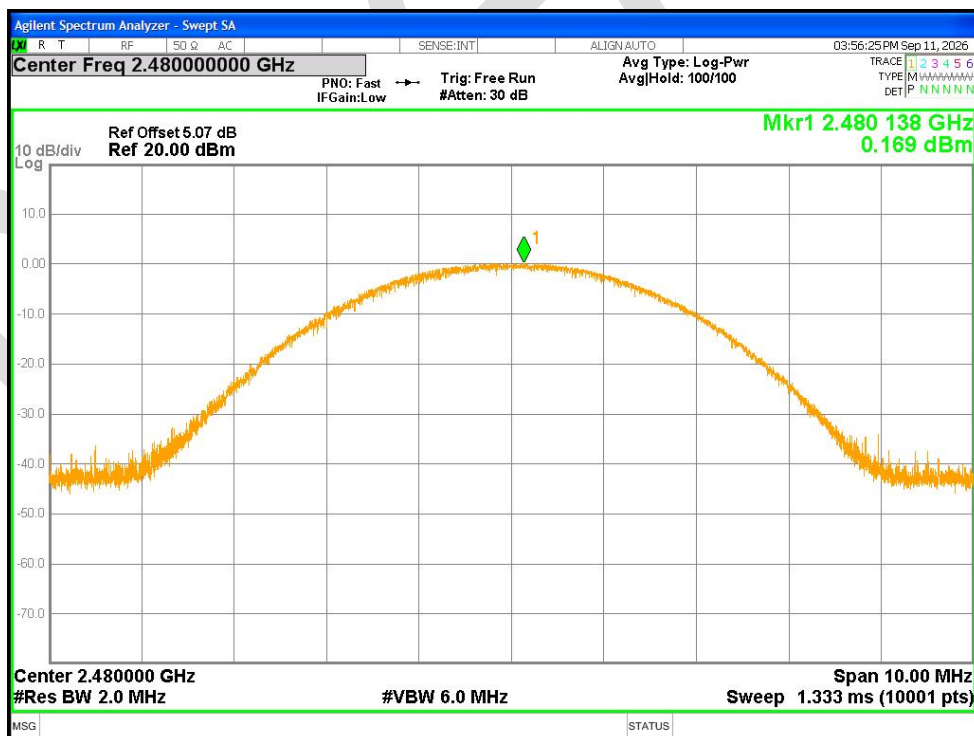
Power NVNT 2-DH1 2402MHz Ant1



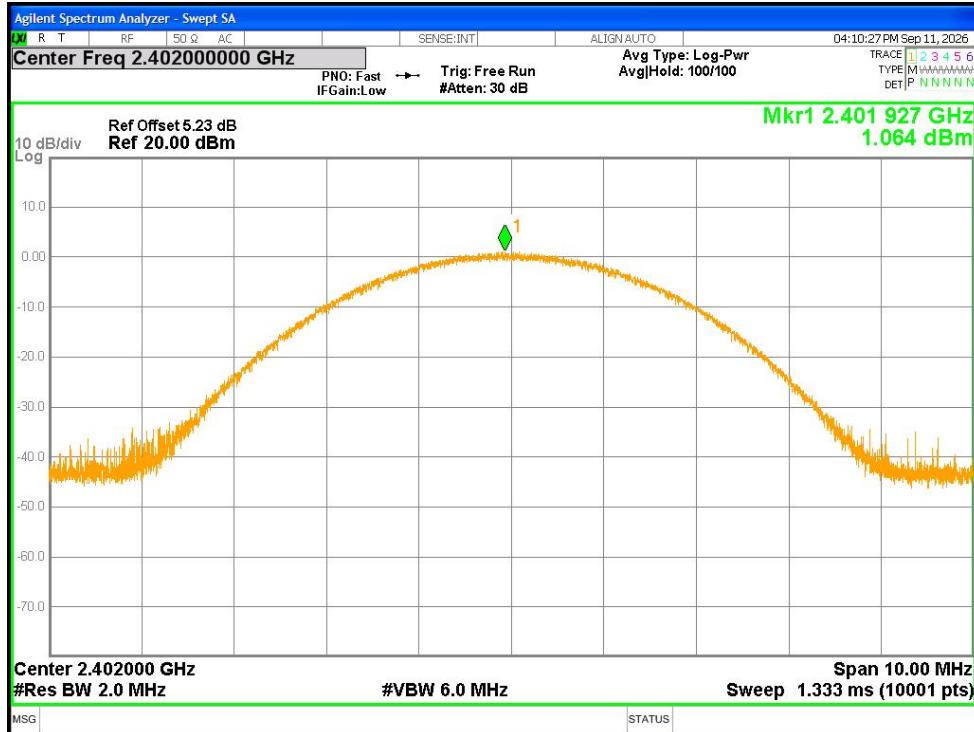
Power NVNT 2-DH1 2441MHz Ant1



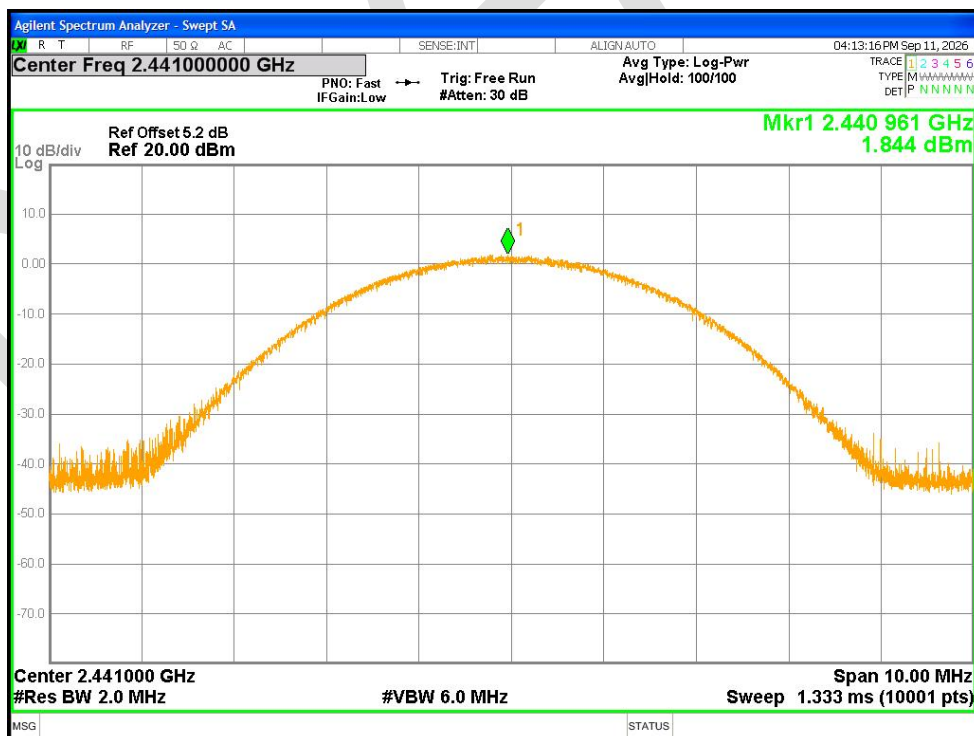
Power NVNT 2-DH1 2480MHz Ant1



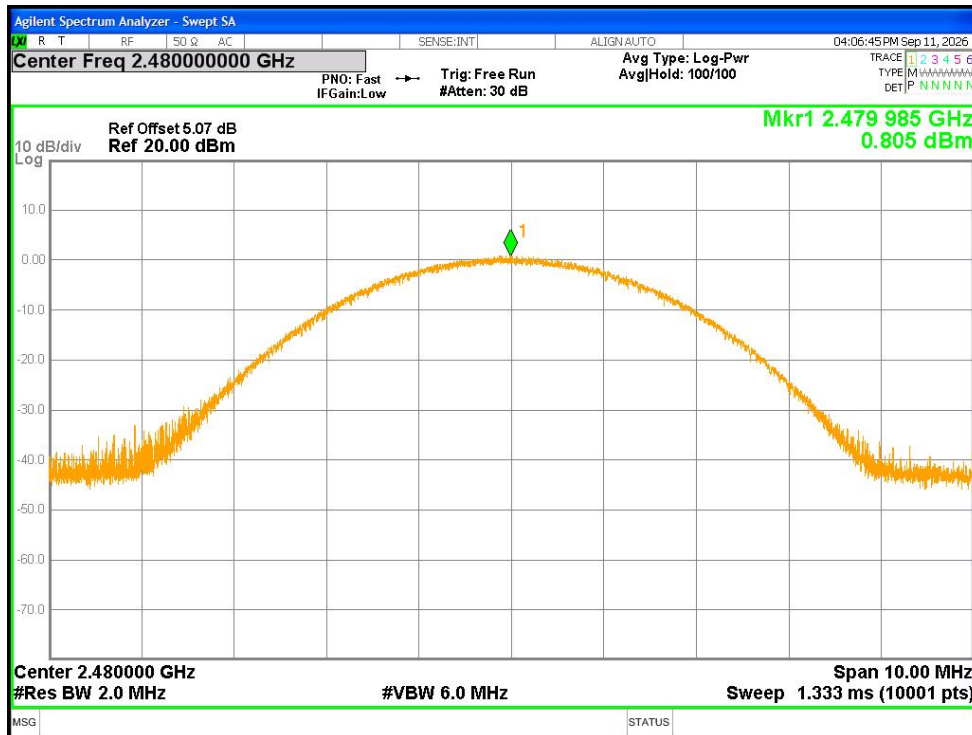
Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1

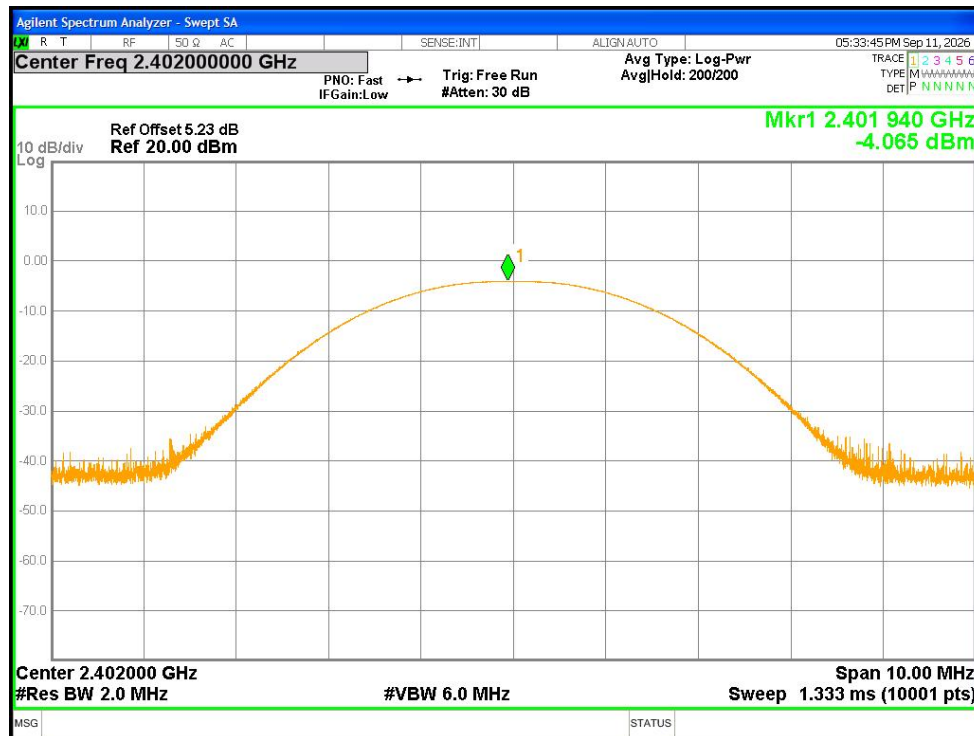


Power NVNT 3-DH1 2480MHz Ant1

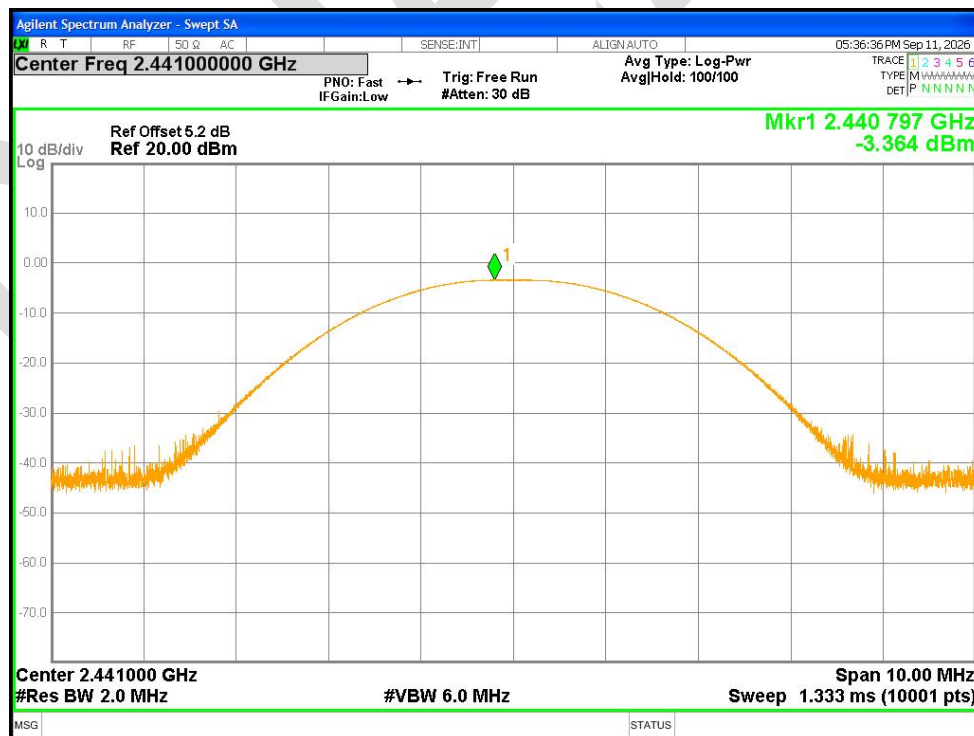


Right:

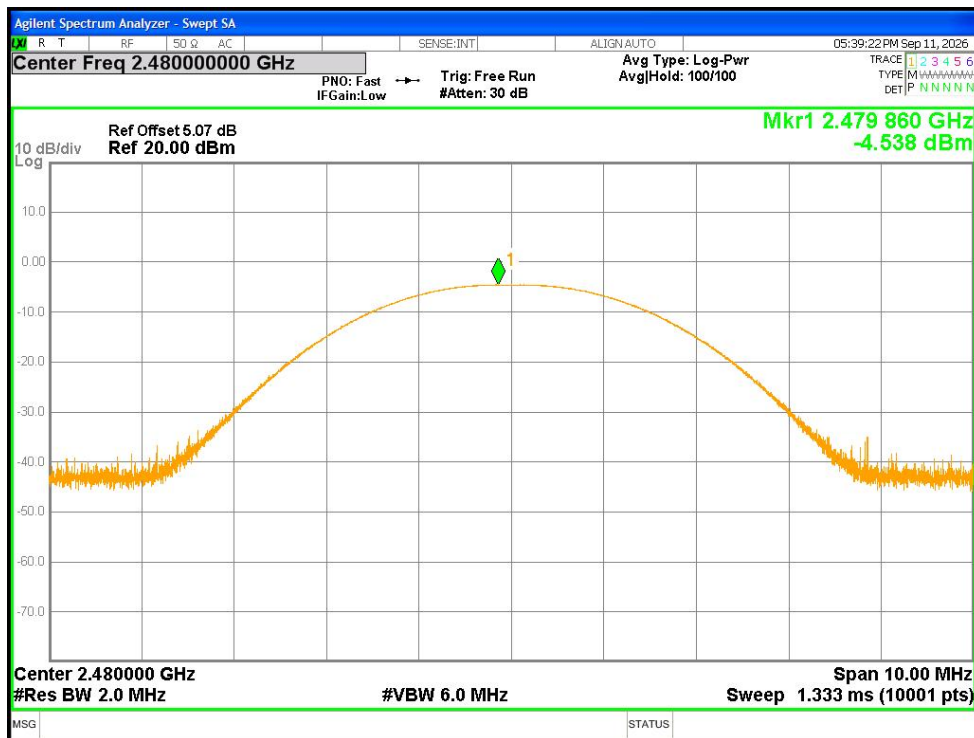
Power NVNT 1-DH1 2402MHz Ant1



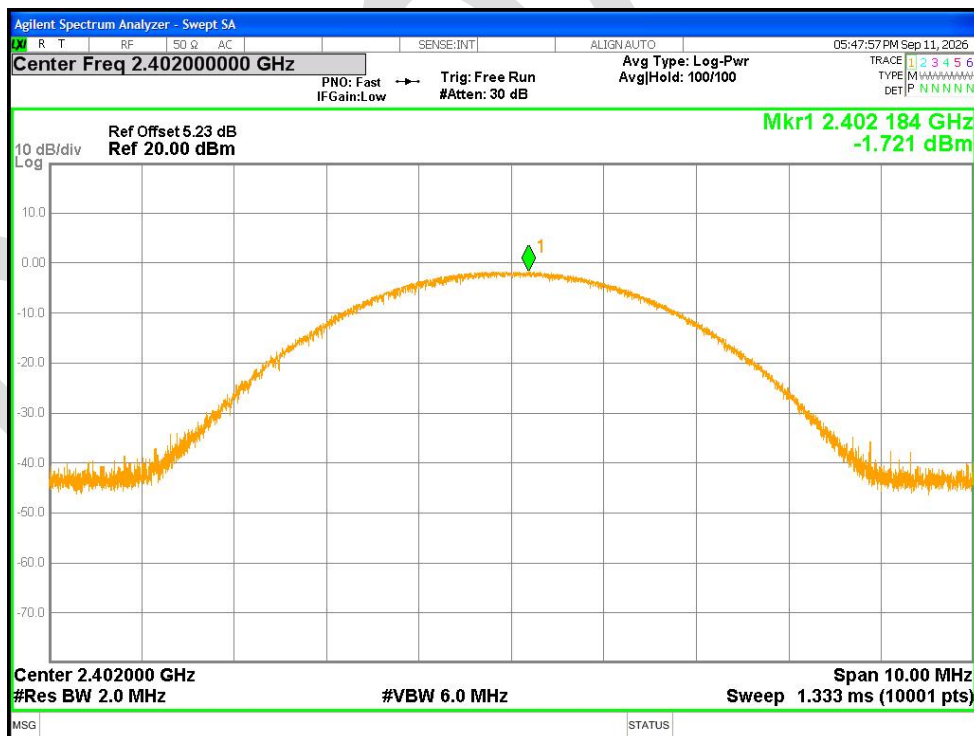
Power NVNT 1-DH1 2441MHz Ant1



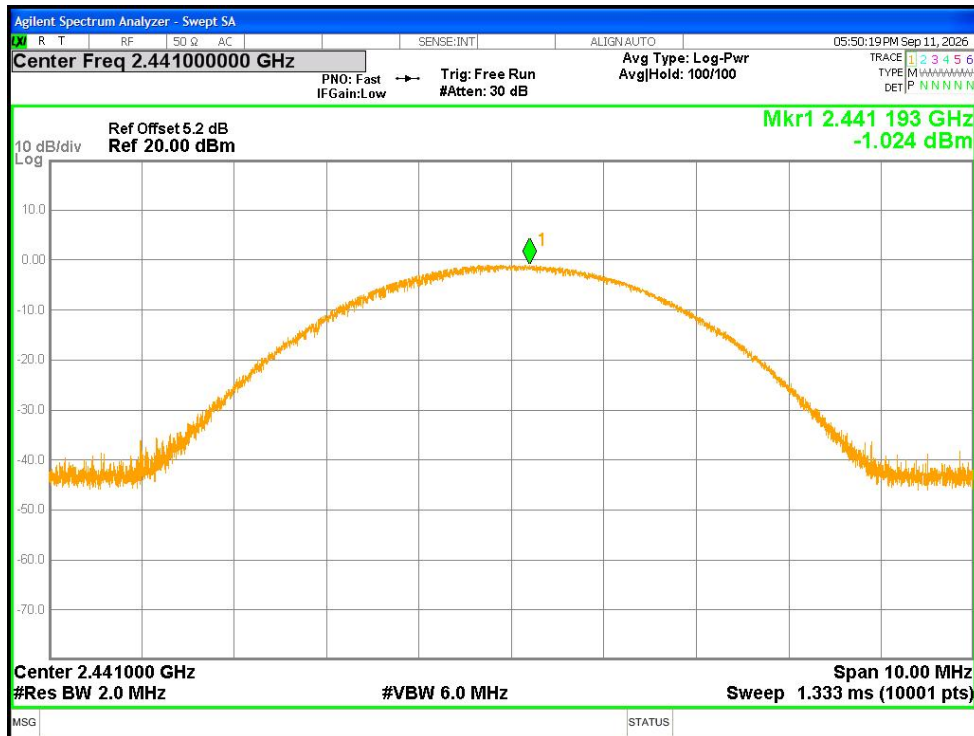
Power NVNT 1-DH1 2480MHz Ant1



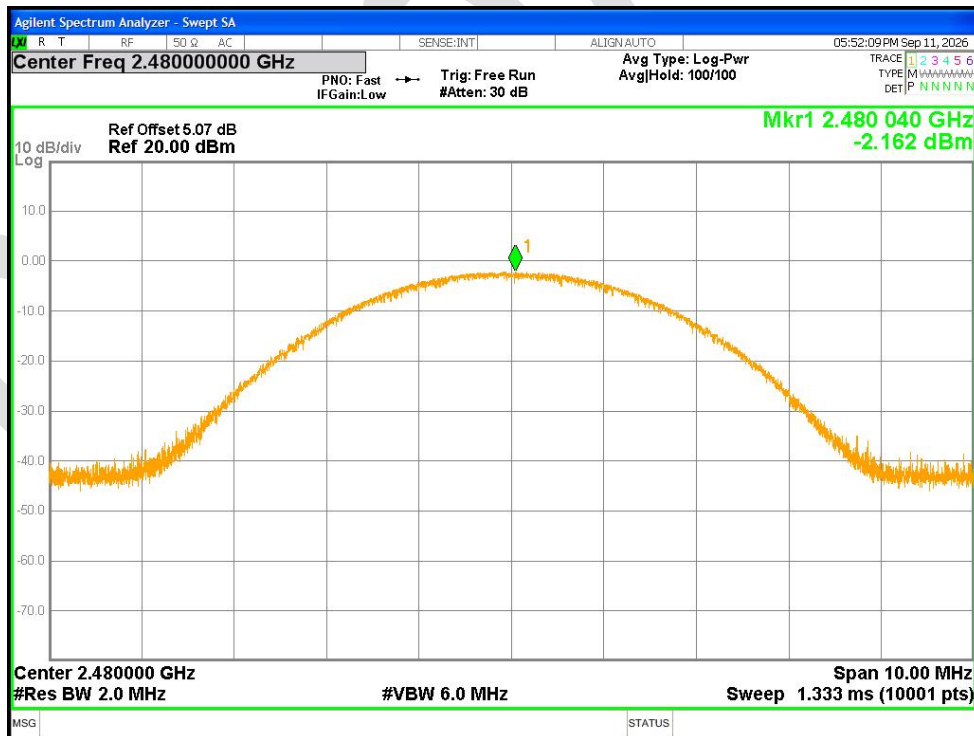
Power NVNT 2-DH1 2402MHz Ant1



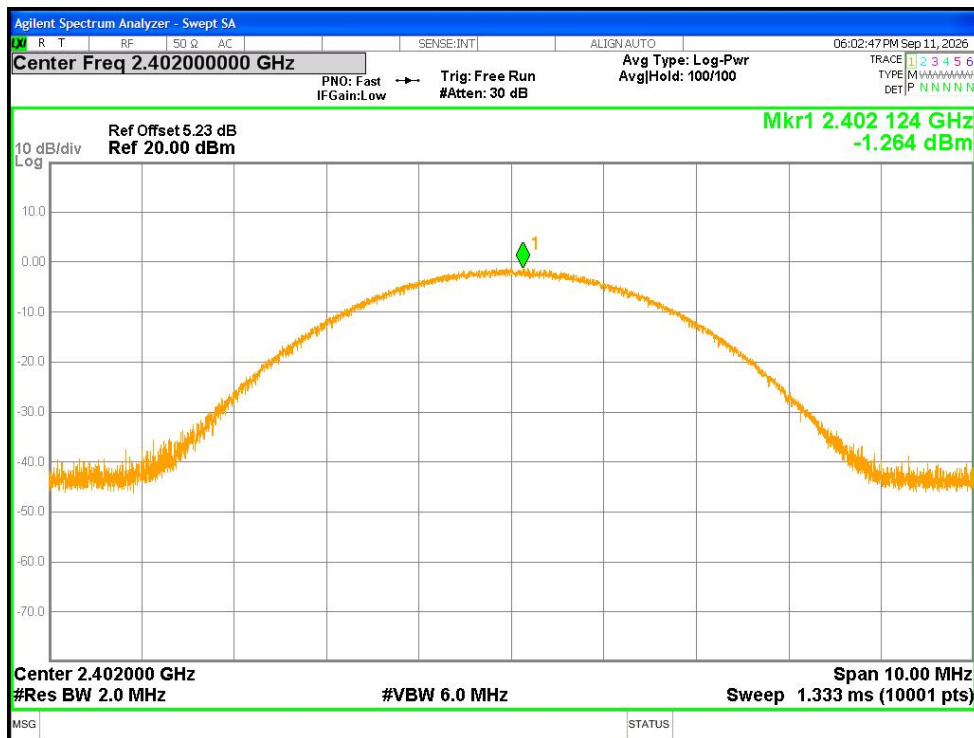
Power NVNT 2-DH1 2441MHz Ant1



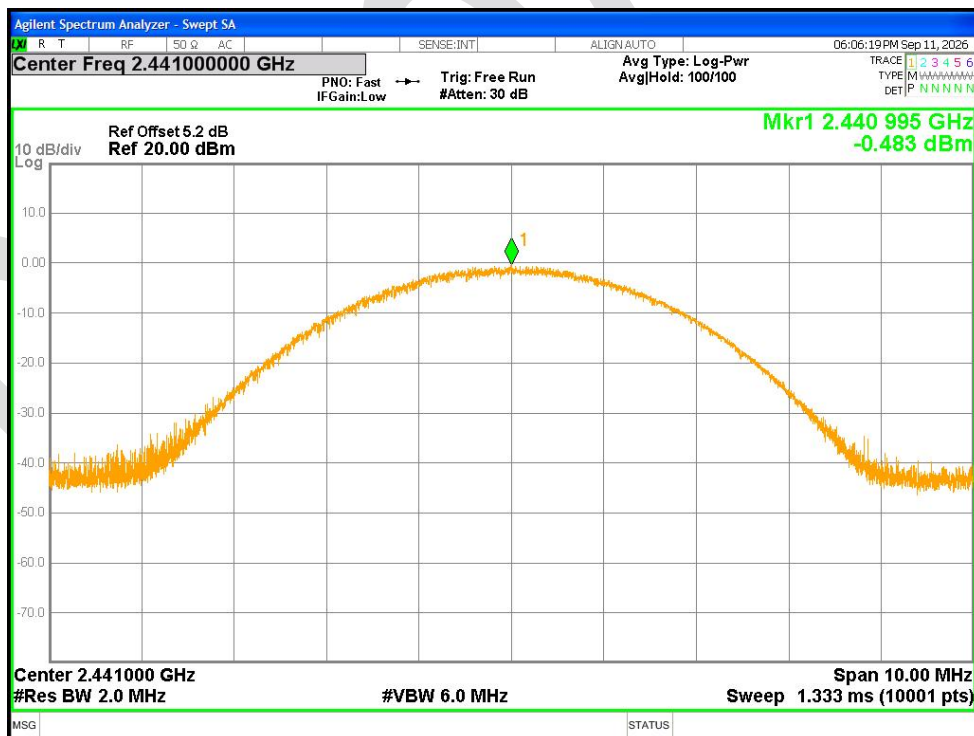
Power NVNT 2-DH1 2480MHz Ant1



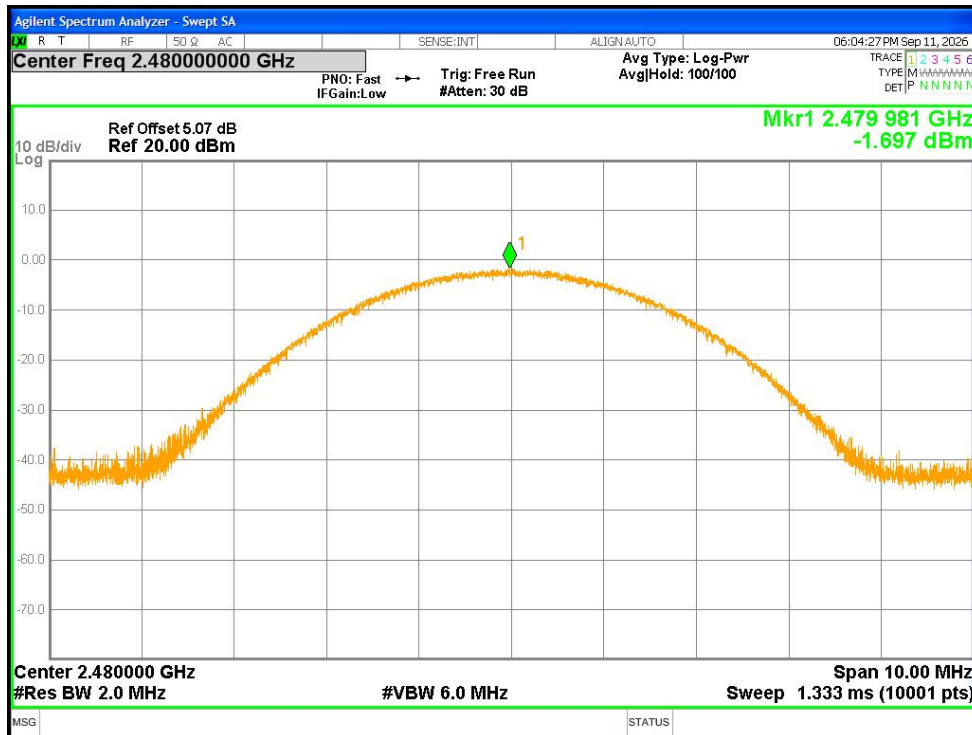
Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



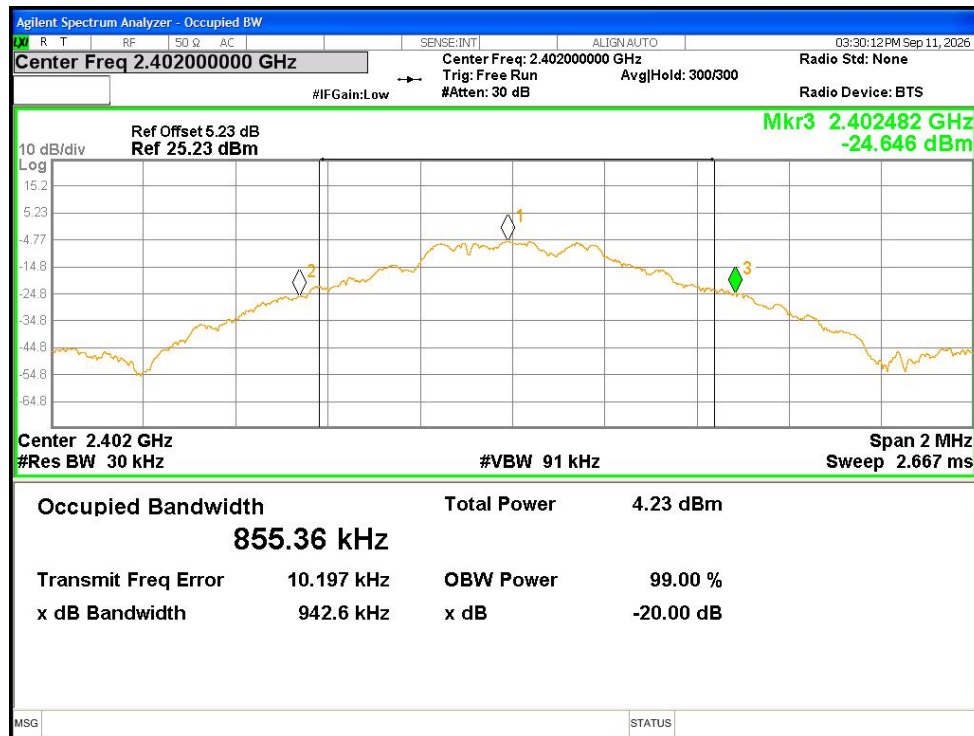
Power NVNT 3-DH1 2480MHz Ant1



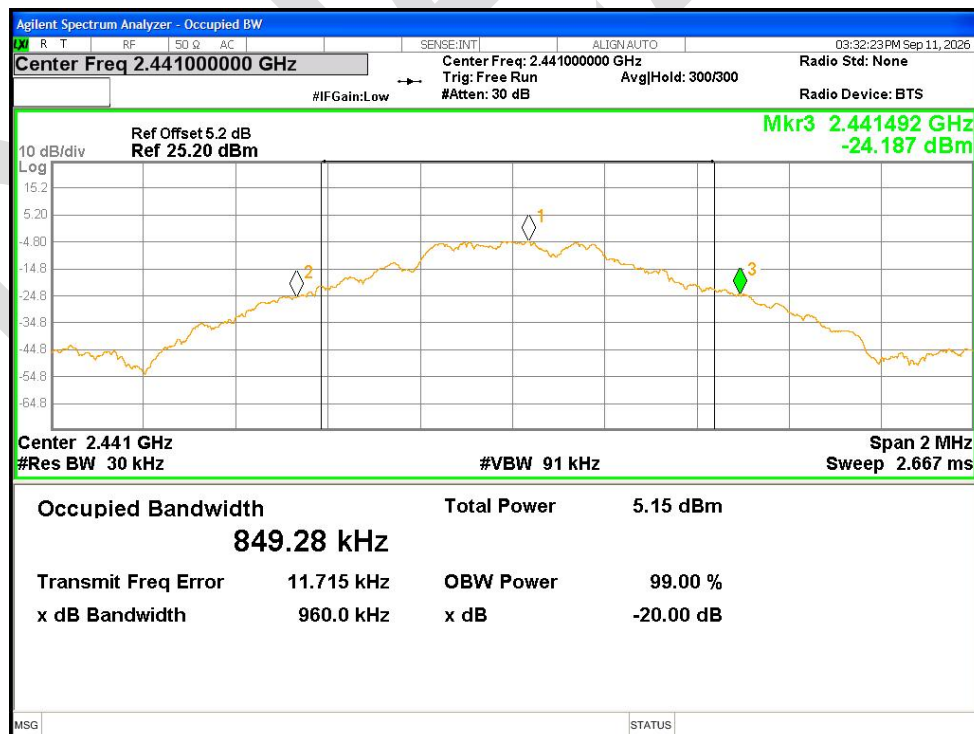
7.1.2 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.943	N/A	Pass
NVNT	1-DH1	2441	Ant1	0.96	N/A	Pass
NVNT	1-DH1	2480	Ant1	0.962	N/A	Pass
NVNT	2-DH1	2402	Ant1	1.338	N/A	Pass
NVNT	2-DH1	2441	Ant1	1.335	N/A	Pass
NVNT	2-DH1	2480	Ant1	1.342	N/A	Pass
NVNT	3-DH1	2402	Ant1	1.3	N/A	Pass
NVNT	3-DH1	2441	Ant1	1.302	N/A	Pass
NVNT	3-DH1	2480	Ant1	1.301	N/A	Pass

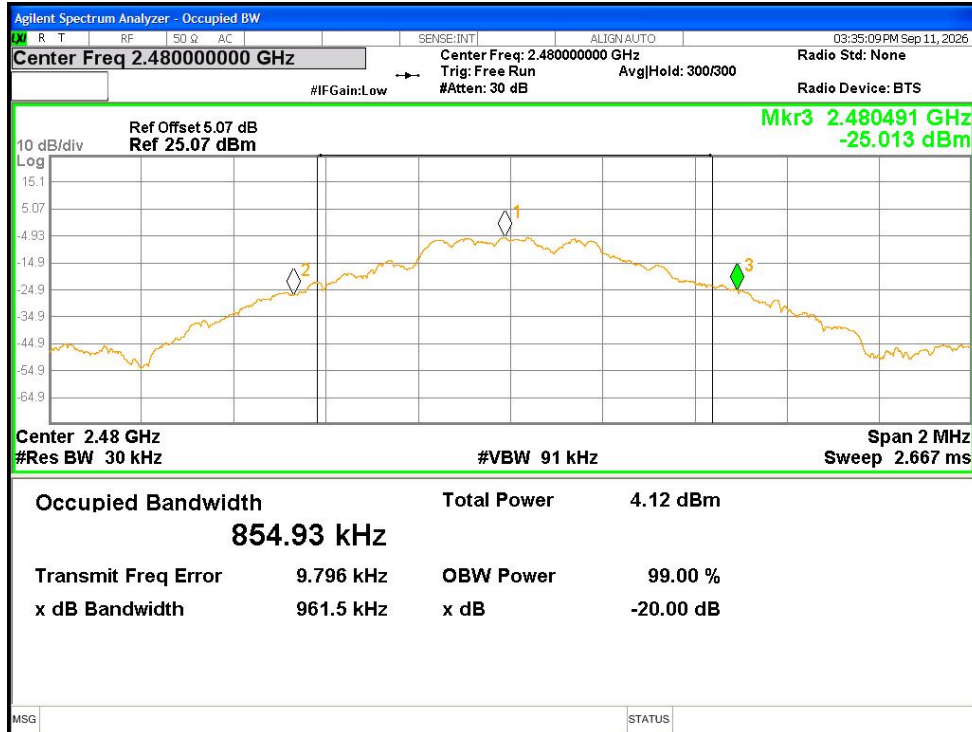
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



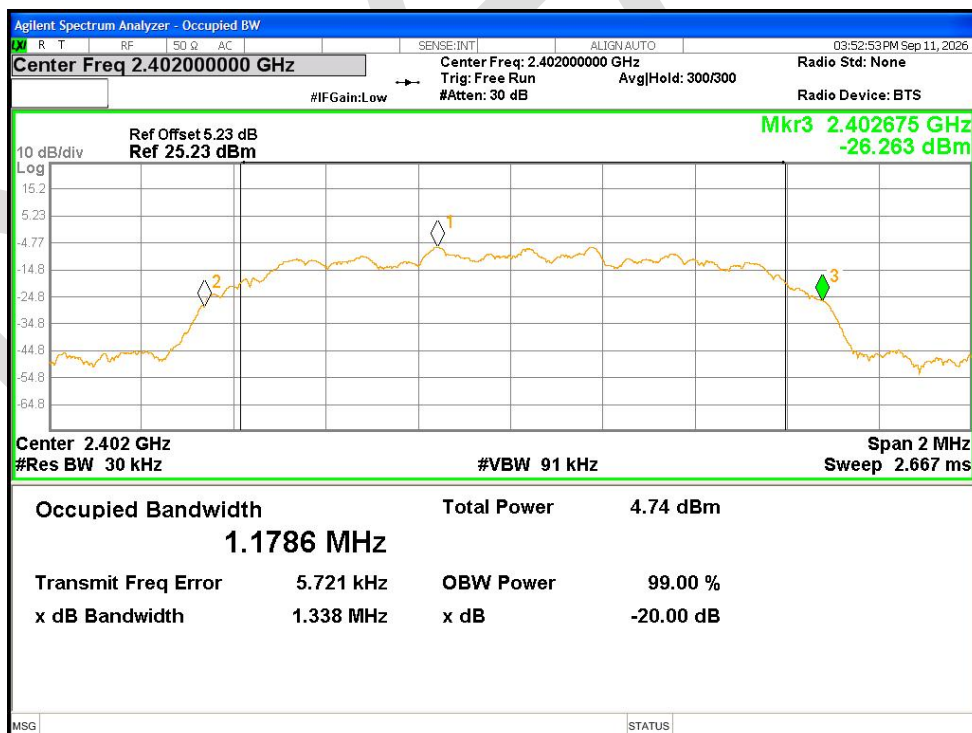
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



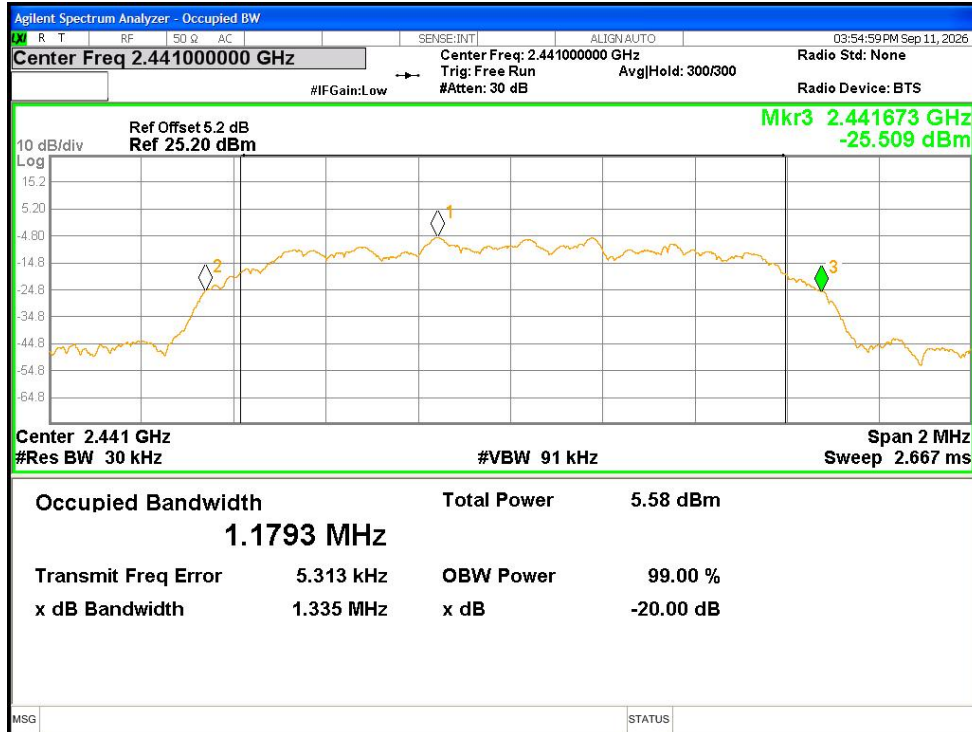
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



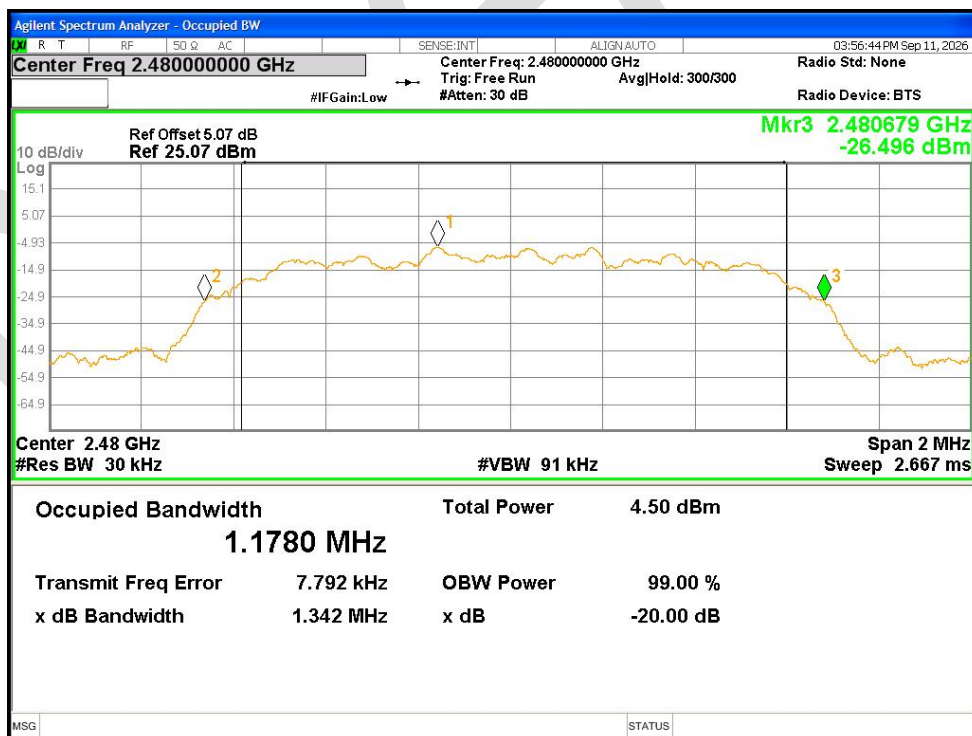
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



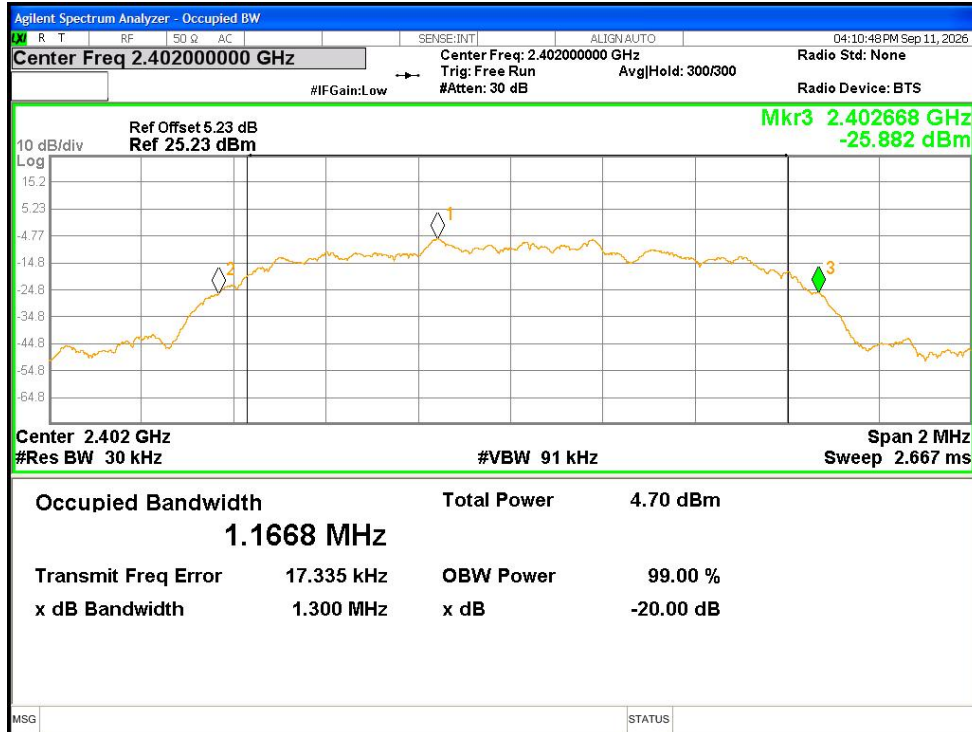
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



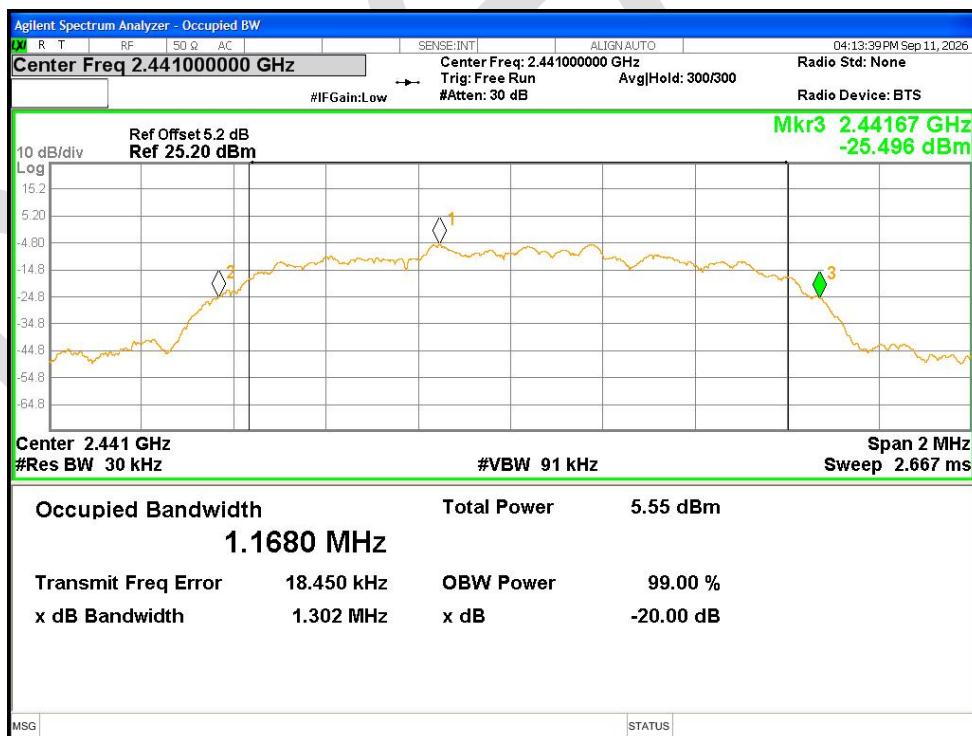
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1



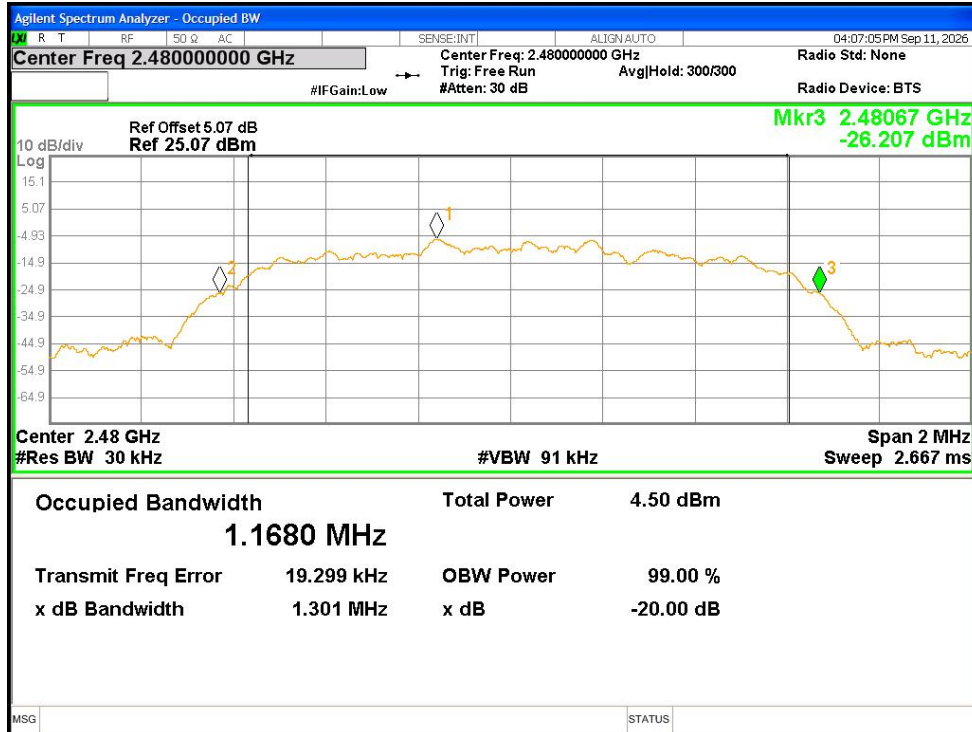
-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



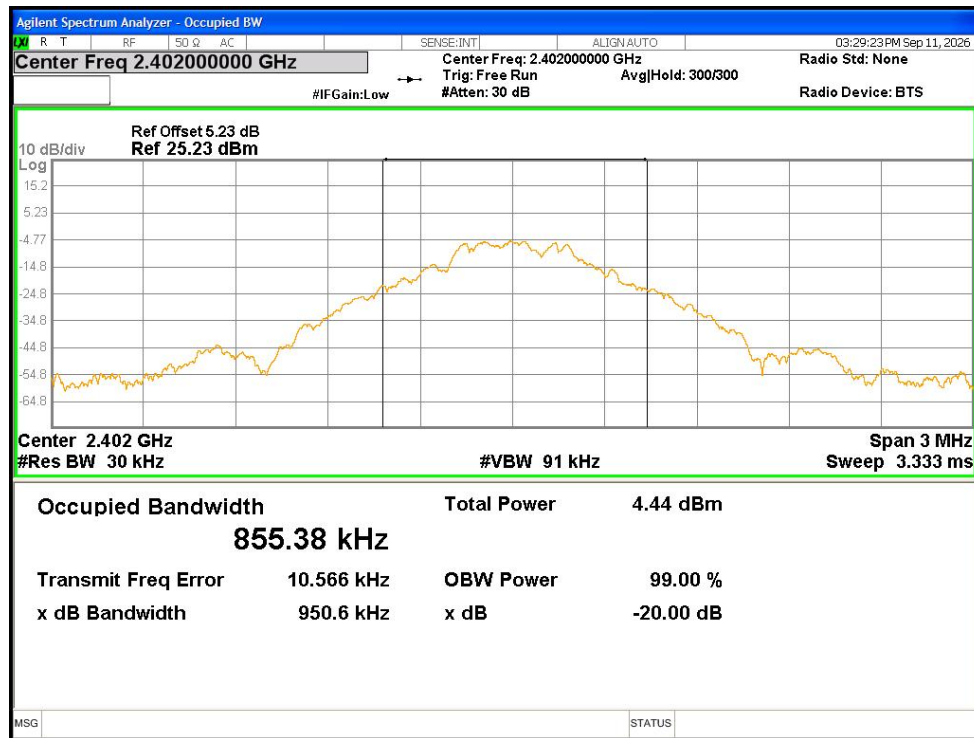
-20dB Bandwidth NVNT 3-DH1 2480MHz Ant1



7.1.3 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.85538
NVNT	1-DH1	2441	Ant1	0.85504
NVNT	1-DH1	2480	Ant1	0.85794
NVNT	2-DH1	2402	Ant1	1.1796
NVNT	2-DH1	2441	Ant1	1.1815
NVNT	2-DH1	2480	Ant1	1.1809
NVNT	3-DH1	2402	Ant1	1.1679
NVNT	3-DH1	2441	Ant1	1.1693
NVNT	3-DH1	2480	Ant1	1.1712

OBW NVNT 1-DH1 2402MHz Ant1



OBW NVNT 1-DH1 2441MHz Ant1

