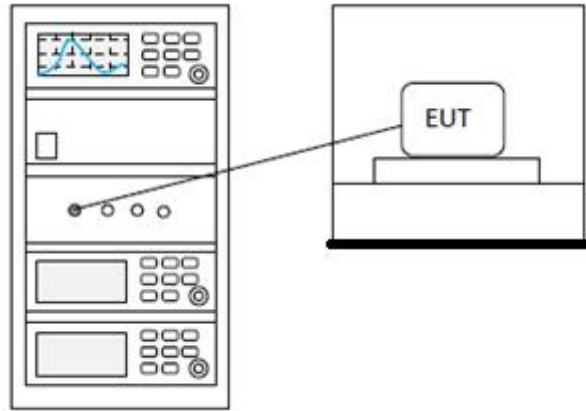


20.2 BLOCK DIAGRAM OF TEST SETUP



20.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

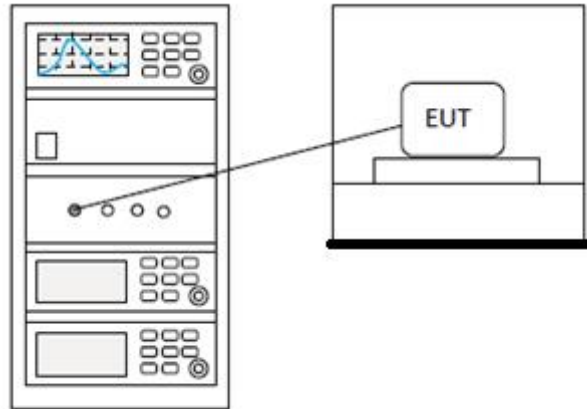
21 CONDUCTED BAND EDGES MEASUREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Miata
Temperature	23°C
Humidity	50%

21.1 LIMITS

Limit:	<p>In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).</p>
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21.2 BLOCK DIAGRAM OF TEST SETUP



21.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

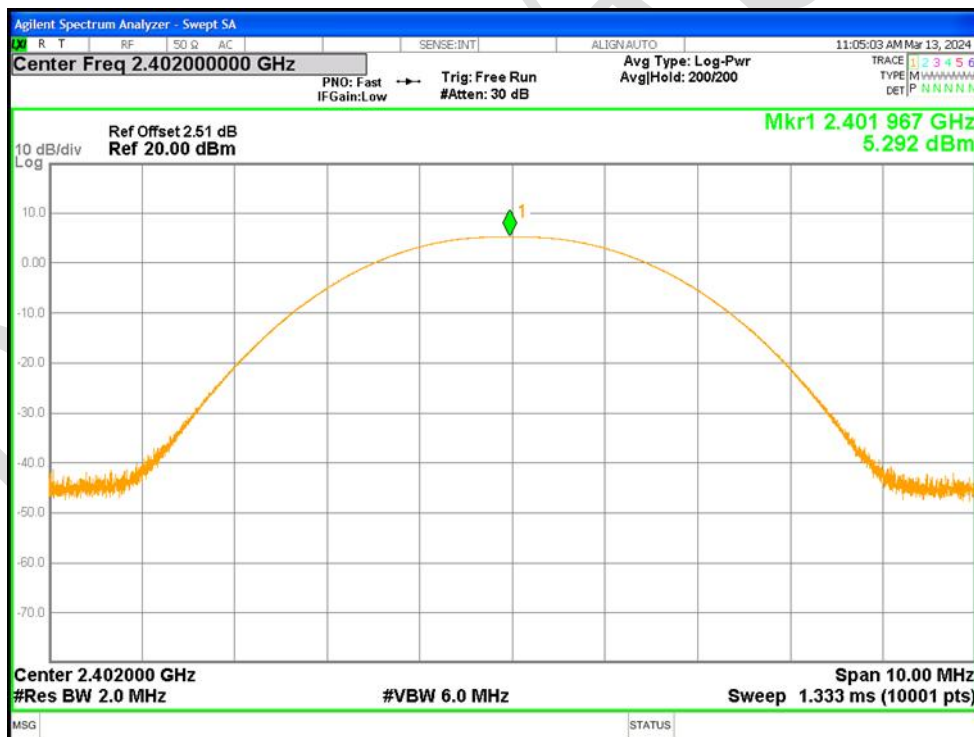
22 APPENDIX

Appendix1

22.1 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	5.292	21	Pass
NVNT	1-DH1	2441	Ant1	5.554	21	Pass
NVNT	1-DH1	2480	Ant1	4.248	21	Pass
NVNT	2-DH1	2402	Ant1	5.608	21	Pass
NVNT	2-DH1	2441	Ant1	5.838	21	Pass
NVNT	2-DH1	2480	Ant1	4.52	21	Pass
NVNT	3-DH1	2402	Ant1	6.148	21	Pass
NVNT	3-DH1	2441	Ant1	6.426	21	Pass
NVNT	3-DH1	2480	Ant1	5.177	21	Pass

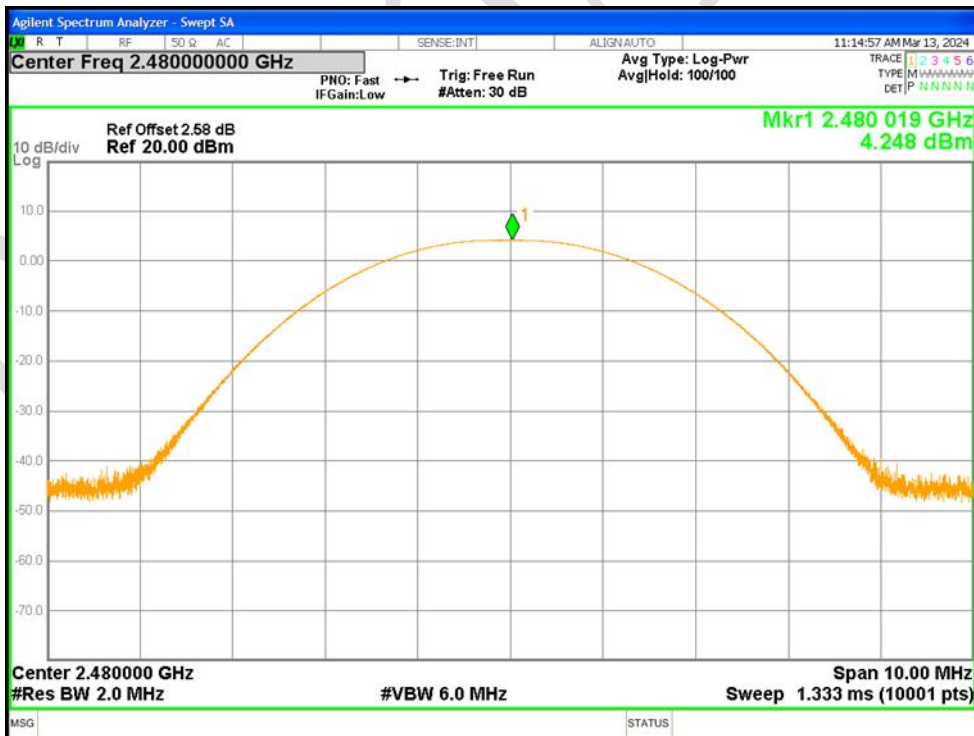
Power NVNT 1-DH1 2402MHz Ant1



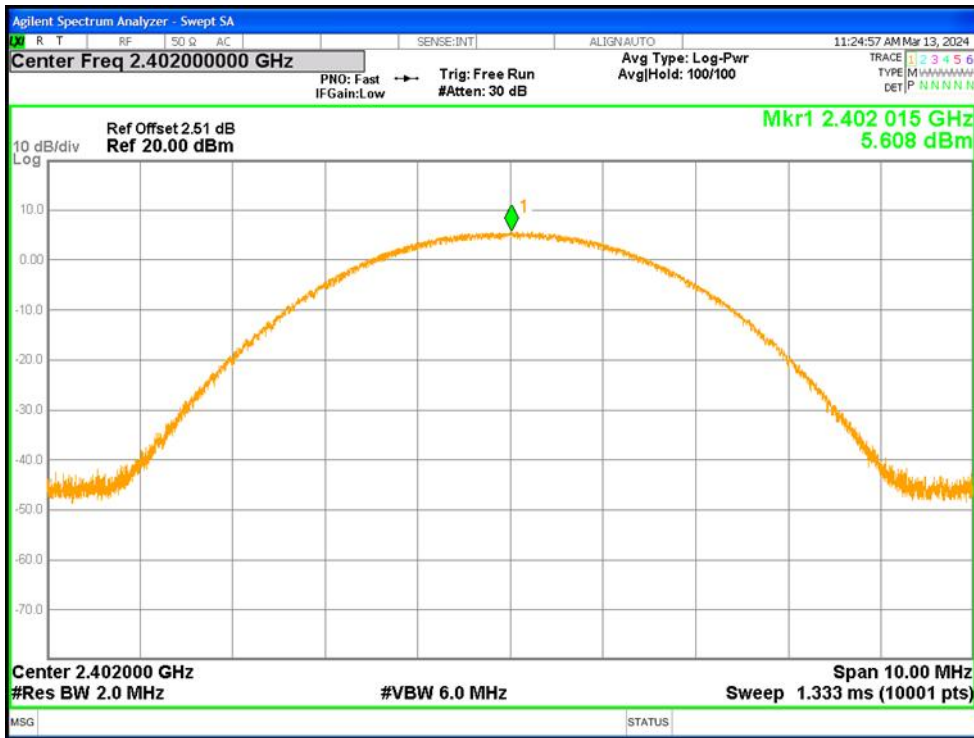
Power NVNT 1-DH1 2441MHz Ant1



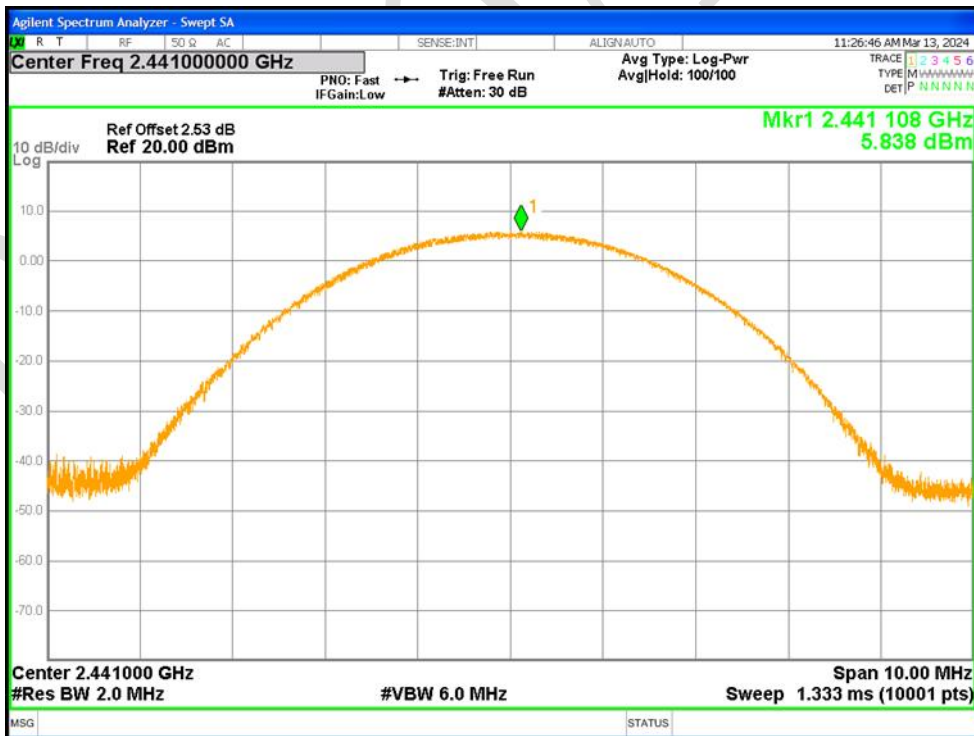
Power NVNT 1-DH1 2480MHz Ant1



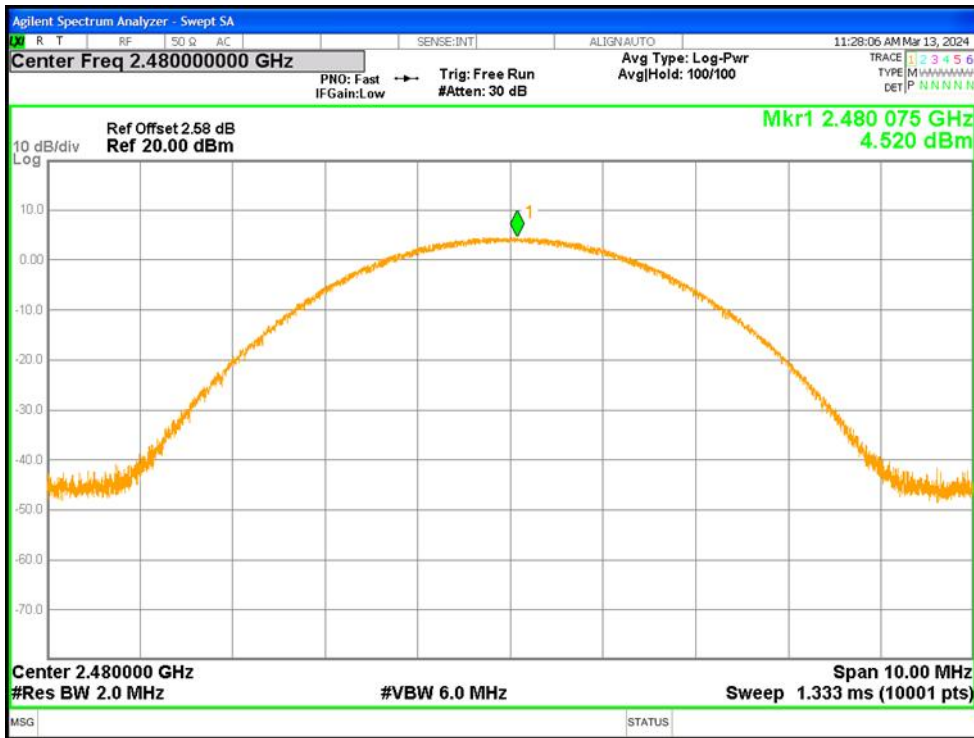
Power NVNT 2-DH1 2402MHz Ant1



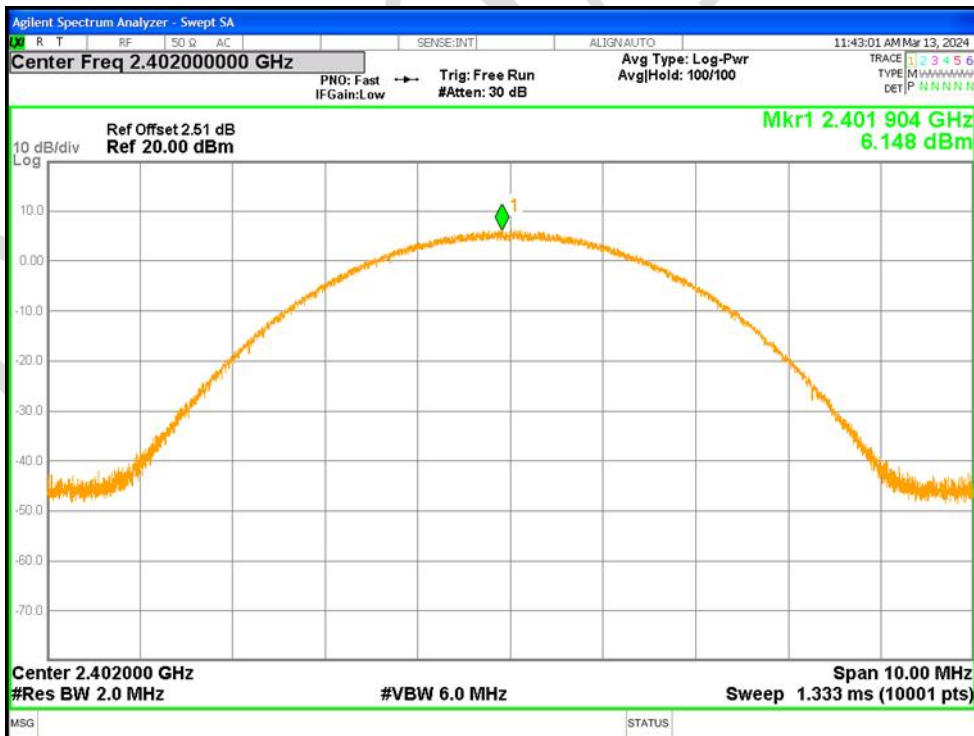
Power NVNT 2-DH1 2441MHz Ant1



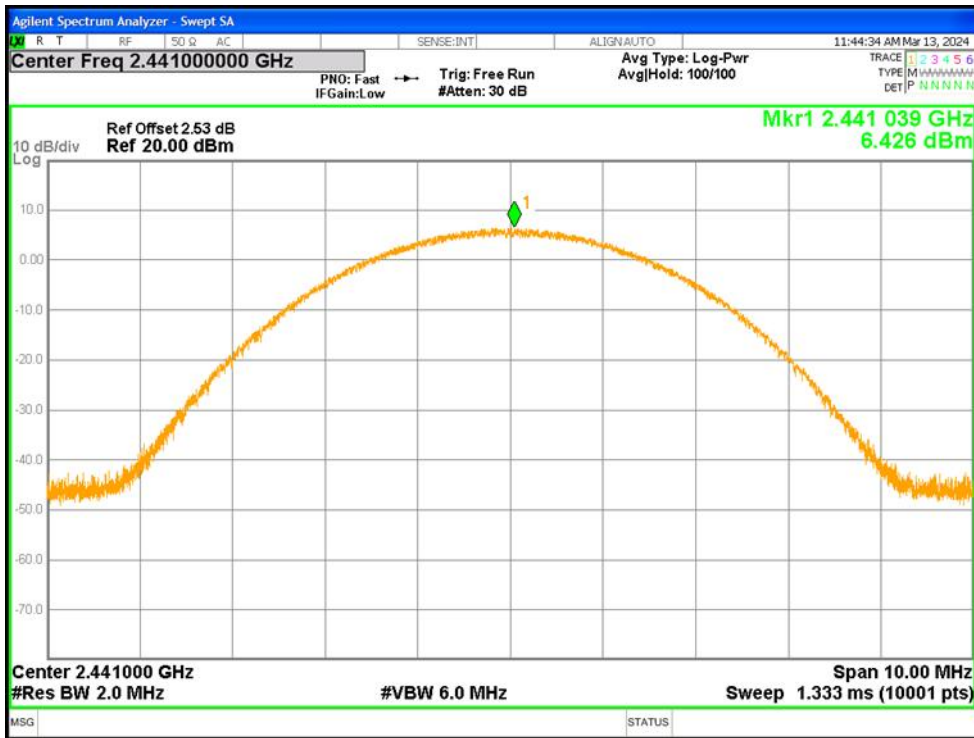
Power NVNT 2-DH1 2480MHz Ant1



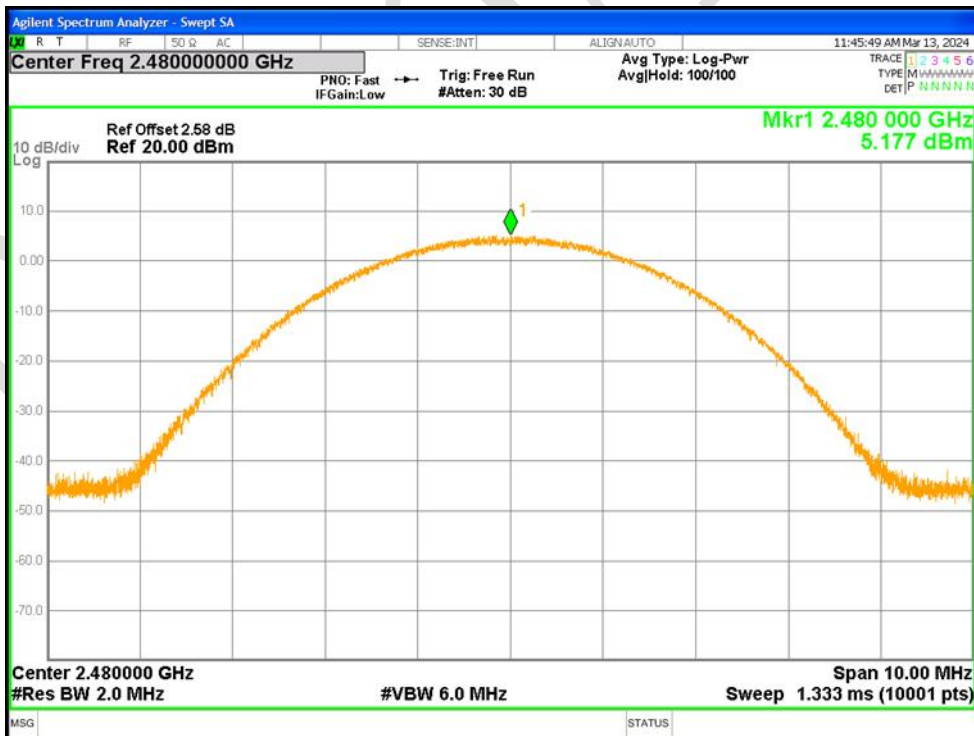
Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



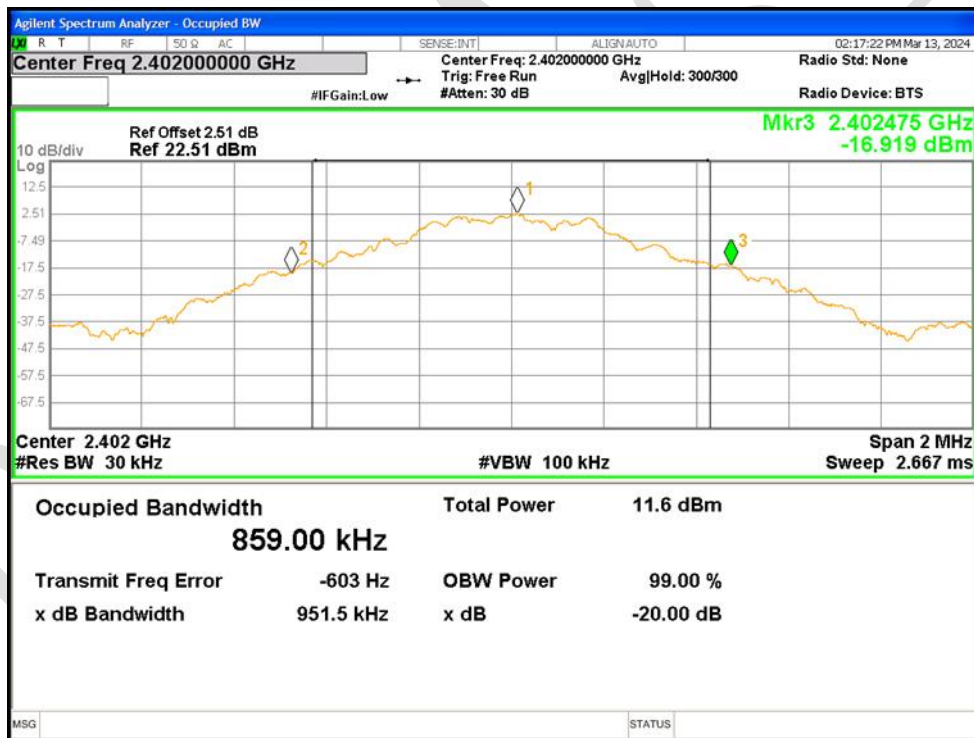
Power NVNT 3-DH1 2480MHz Ant1



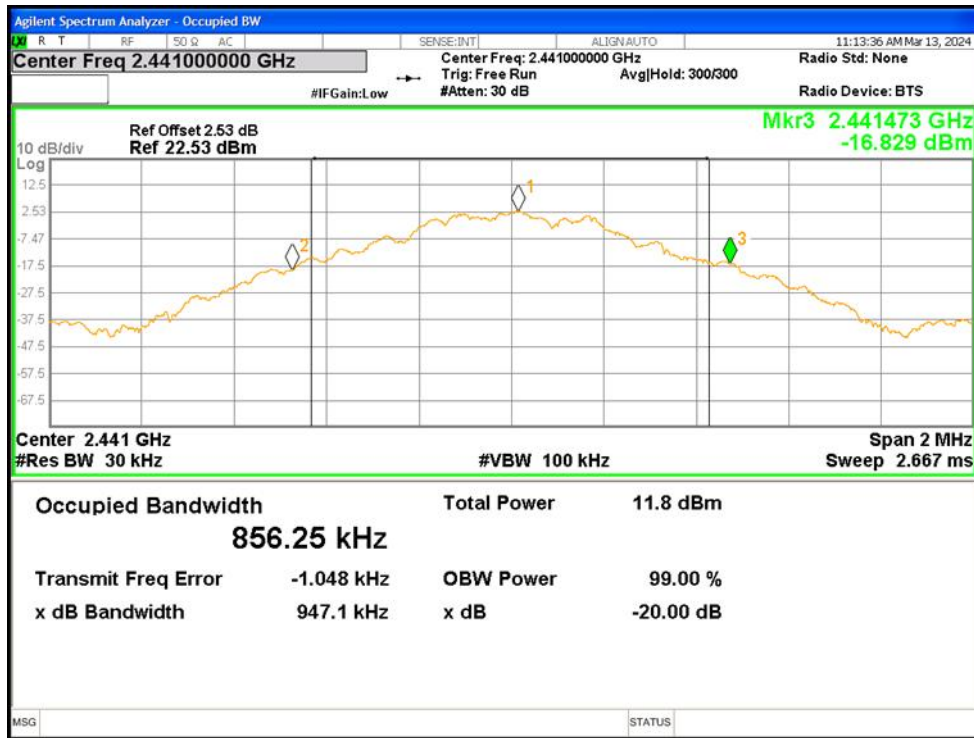
22.2 -20DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict																				
NVNT	1-DH1	2402	Ant1	0.9515	N/A	Pass																				
NVNT	1-DH1	2441	Ant1	0.9471	N/A	Pass																				
NVNT	1-DH1	2480	Ant1	0.9492	N/A	Pass																				
NVNT	2-DH1	2402	Ant1	1.262	N/A	Pass																				
NVNT	2-DH1	2441	Ant1	1.265	N/A	Pass																				
NVNT	2-DH1	2480	Ant1	1.263	N/A </tr <tr> <td>NVNT</td> <td>3-DH1</td> <td>2402</td> <td>Ant1</td> <td>1.220</td> <td>N/A</td> <td>Pass</td> </tr> <tr> <td>NVNT</td> <td>3-DH1</td> <td>2441</td> <td>Ant1</td> <td>1.218</td> <td>N/A</td> <td>Pass</td> </tr> <tr> <td>NVNT</td> <td>3-DH1</td> <td>2480</td> <td>Ant1</td> <td>1.221</td> <td>N/A</td> <td>Pass</td> </tr>	NVNT	3-DH1	2402	Ant1	1.220	N/A	Pass	NVNT	3-DH1	2441	Ant1	1.218	N/A	Pass	NVNT	3-DH1	2480	Ant1	1.221	N/A	Pass
NVNT	3-DH1	2402	Ant1	1.220	N/A	Pass																				
NVNT	3-DH1	2441	Ant1	1.218	N/A	Pass																				
NVNT	3-DH1	2480	Ant1	1.221	N/A	Pass																				

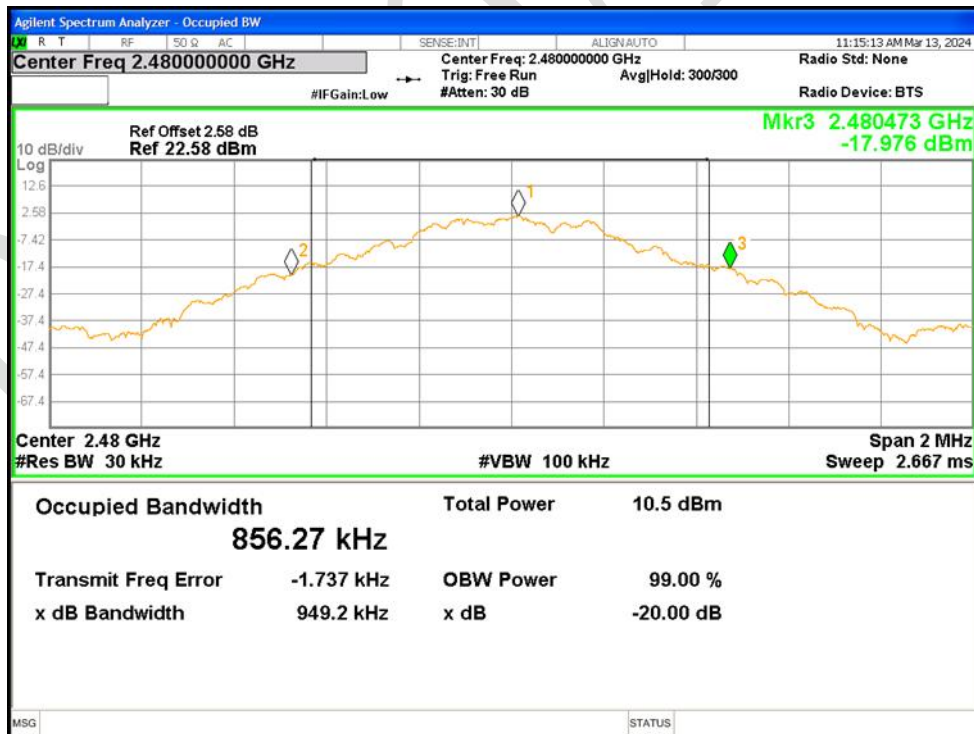
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



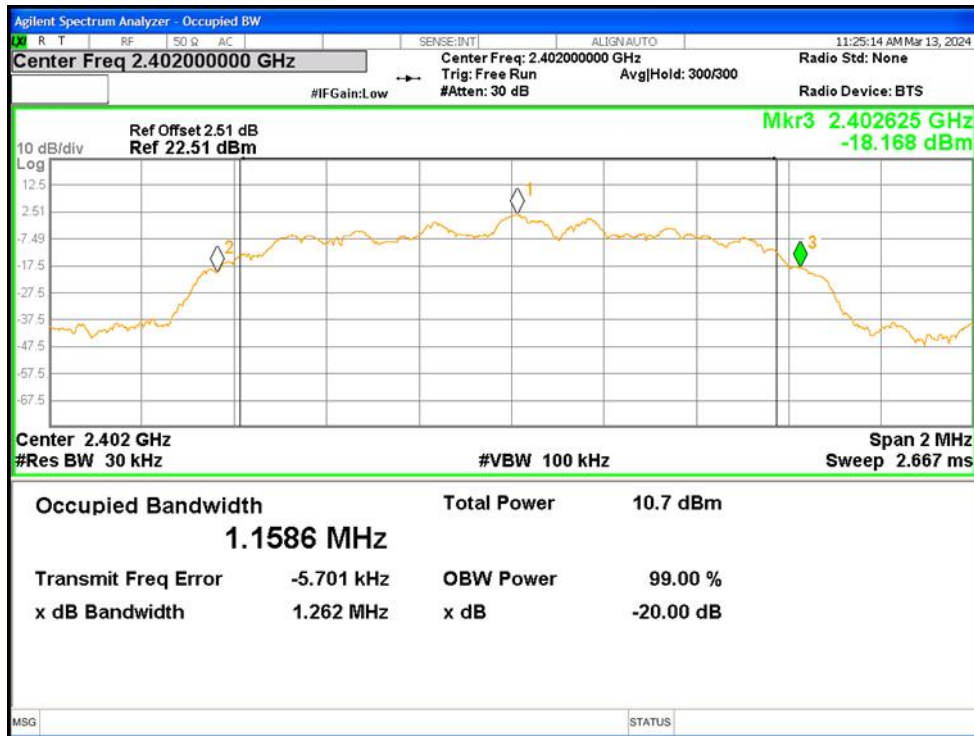
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



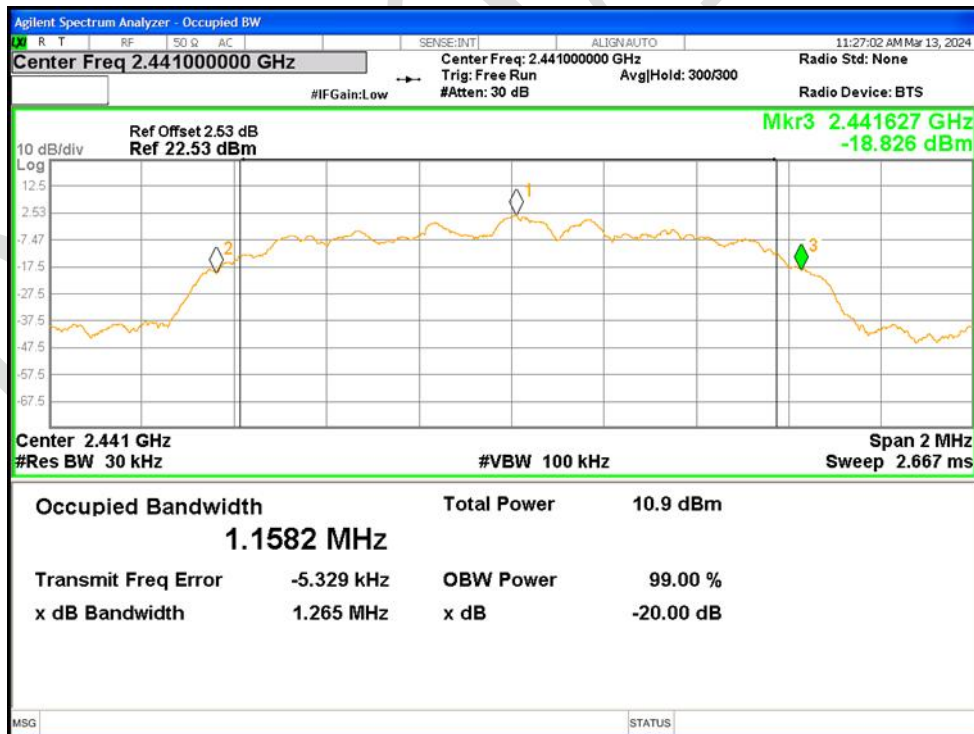
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



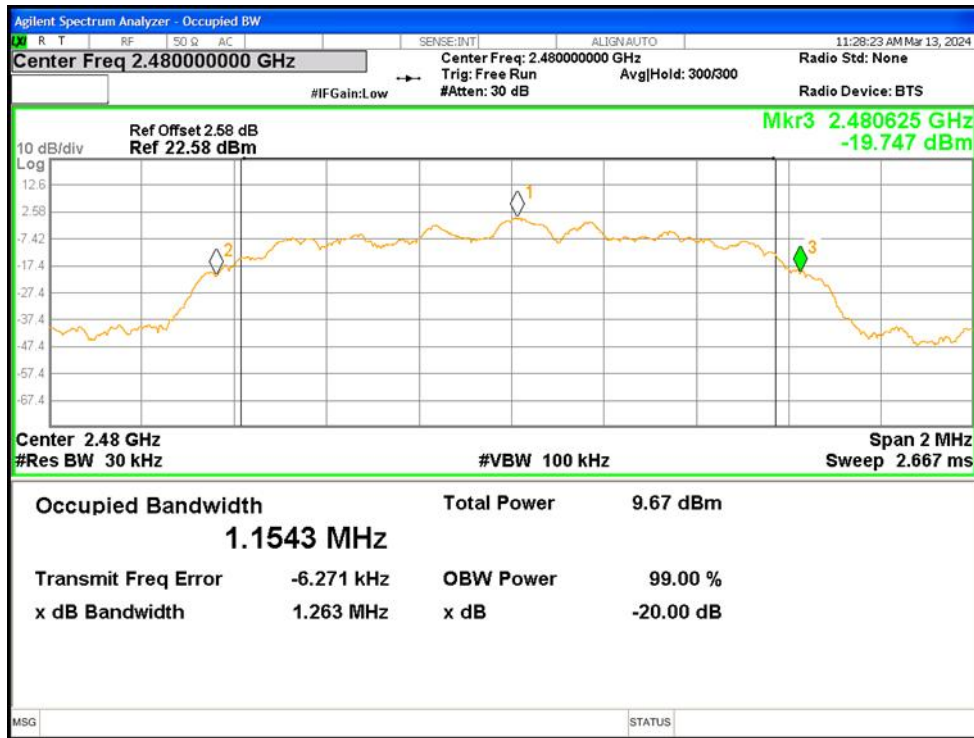
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



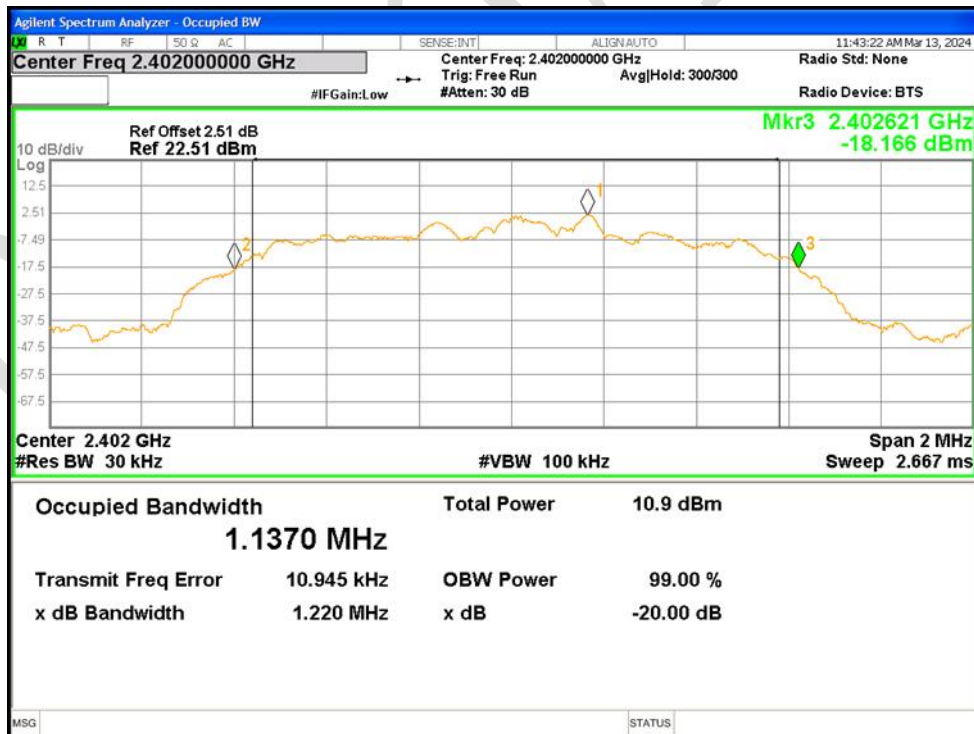
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



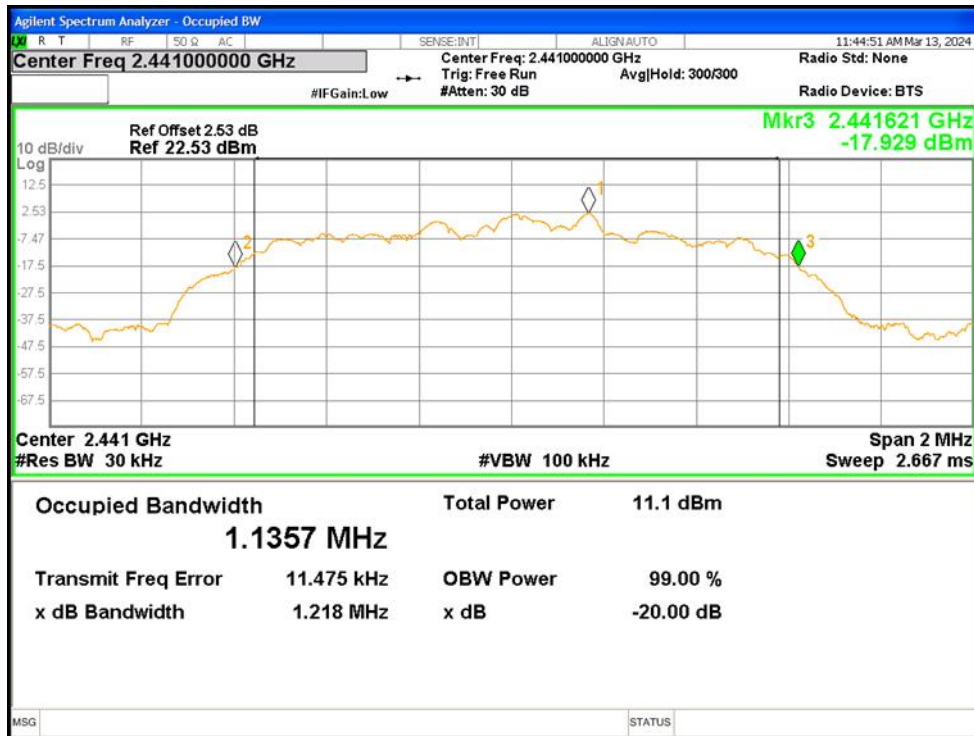
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1



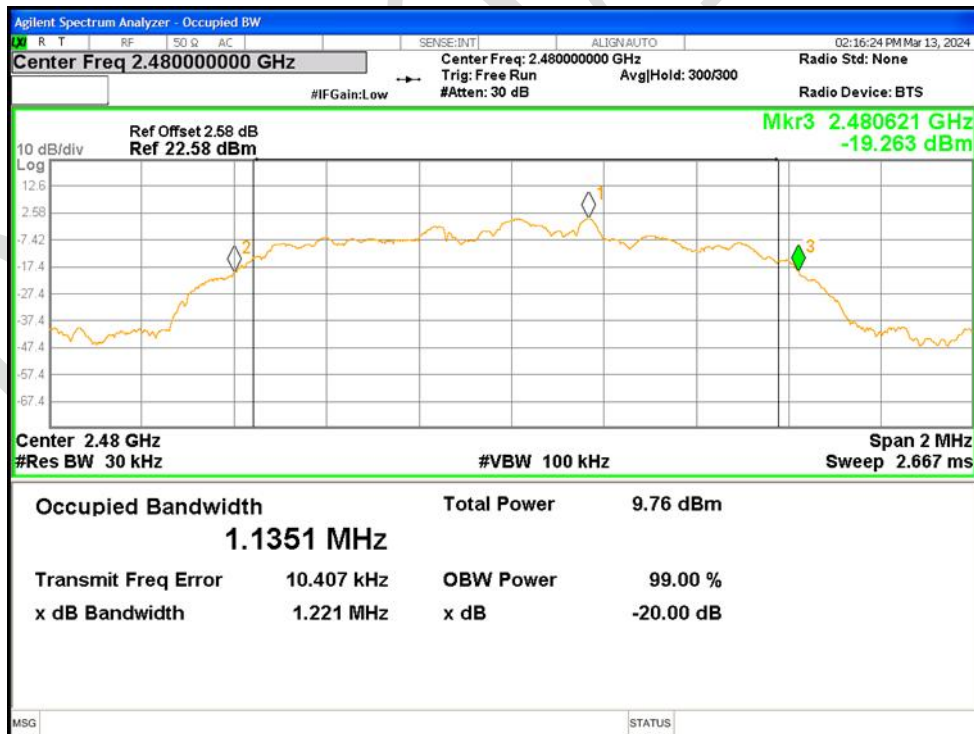
-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



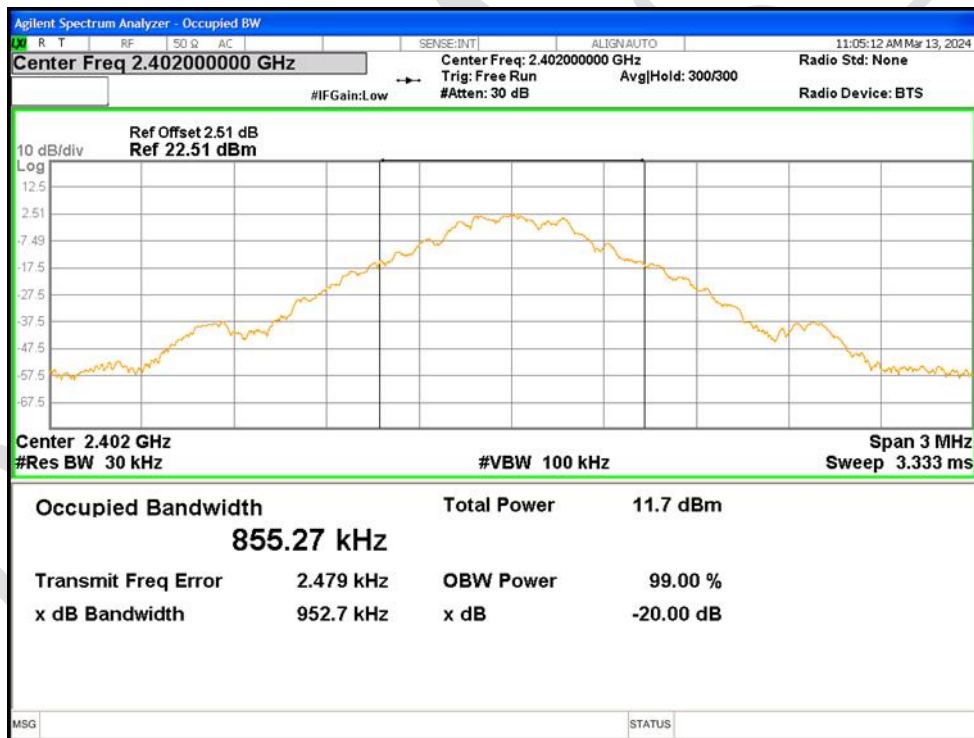
-20dB Bandwidth NVNT 3-DH1 2480MHz Ant1



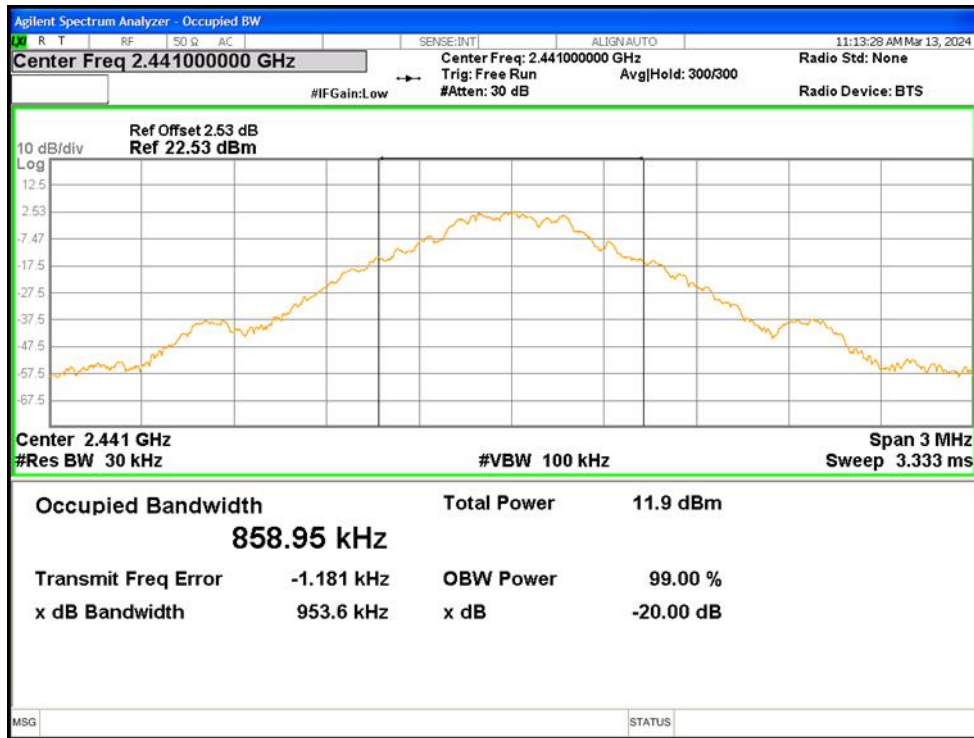
22.3 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.85527
NVNT	1-DH1	2441	Ant1	0.85895
NVNT	1-DH1	2480	Ant1	0.85590
NVNT	2-DH1	2402	Ant1	1.1582
NVNT	2-DH1	2441	Ant1	1.1569
NVNT	2-DH1	2480	Ant1	1.1585
NVNT	3-DH1	2402	Ant1	1.1239
NVNT	3-DH1	2441	Ant1	1.1344
NVNT	3-DH1	2480	Ant1	1.1339

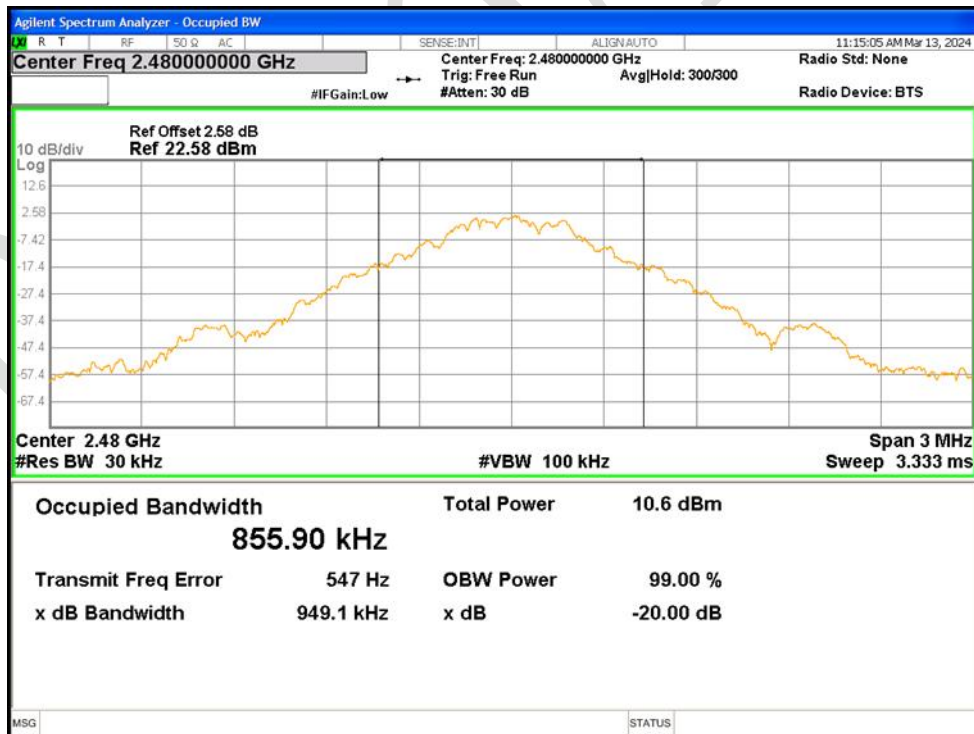
OBW NVNT 1-DH1 2402MHz Ant1



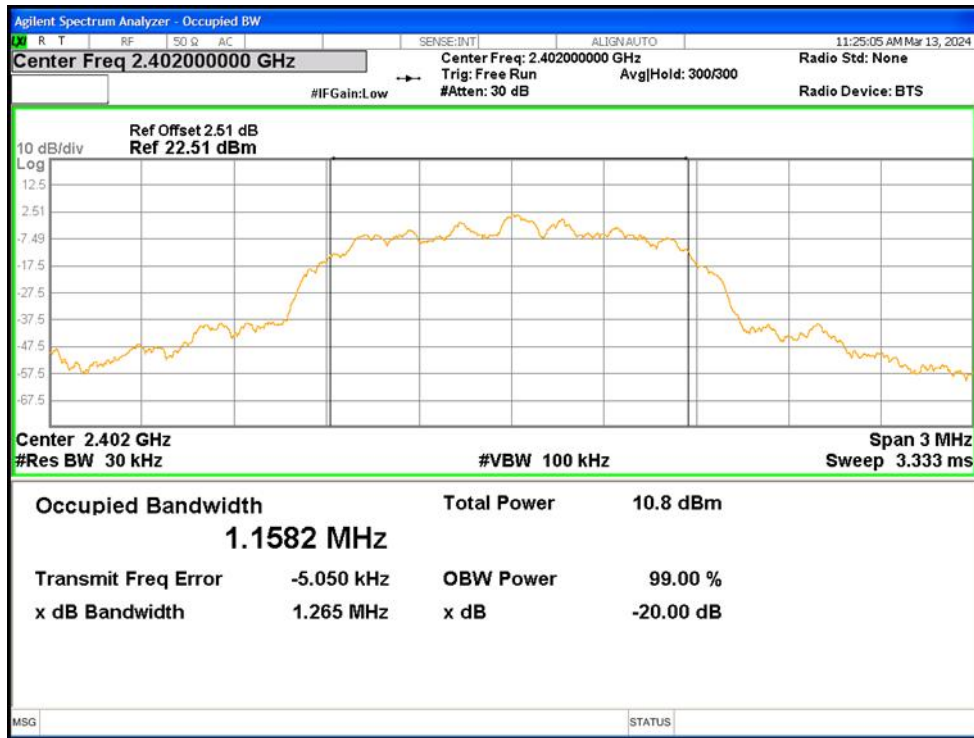
OBW NVNT 1-DH1 2441MHz Ant1



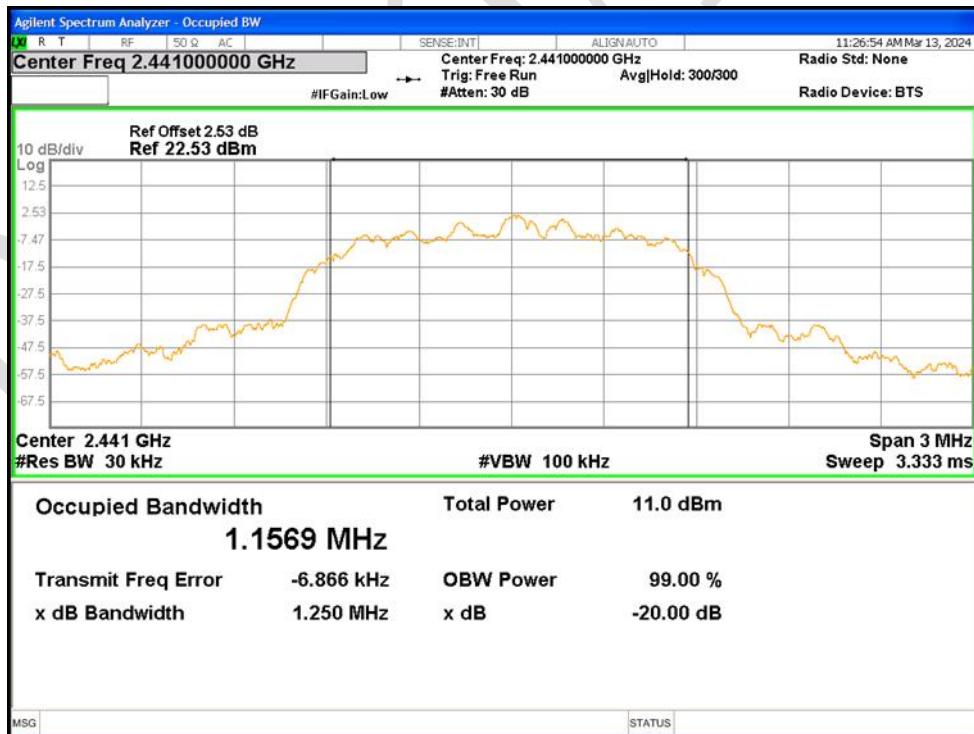
OBW NVNT 1-DH1 2480MHz Ant1



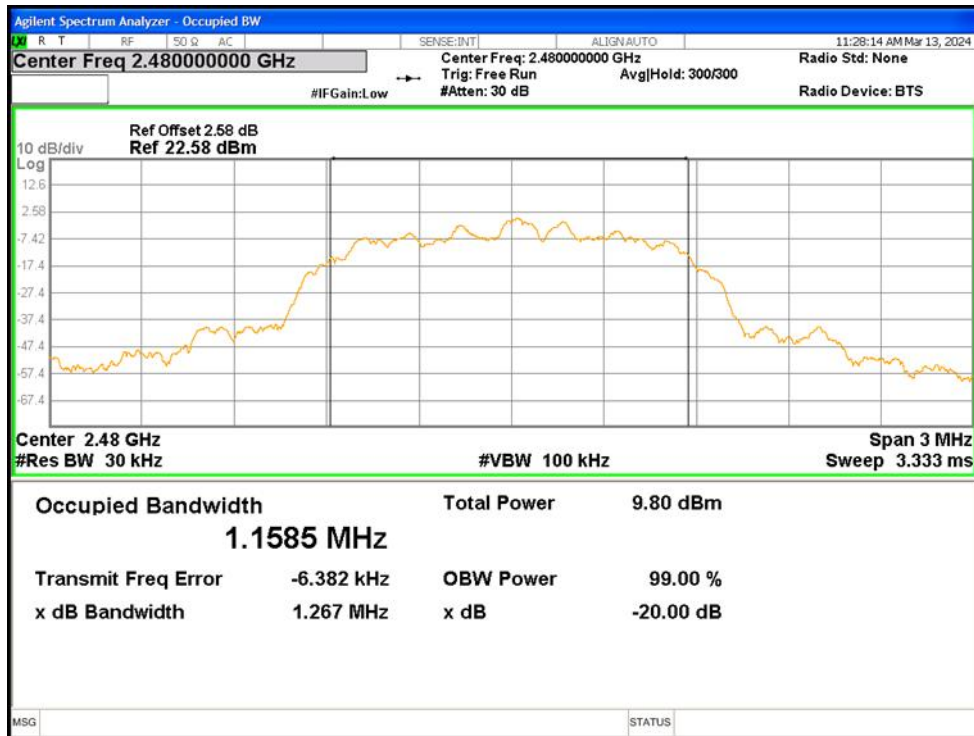
OBW NVNT 2-DH1 2402MHz Ant1



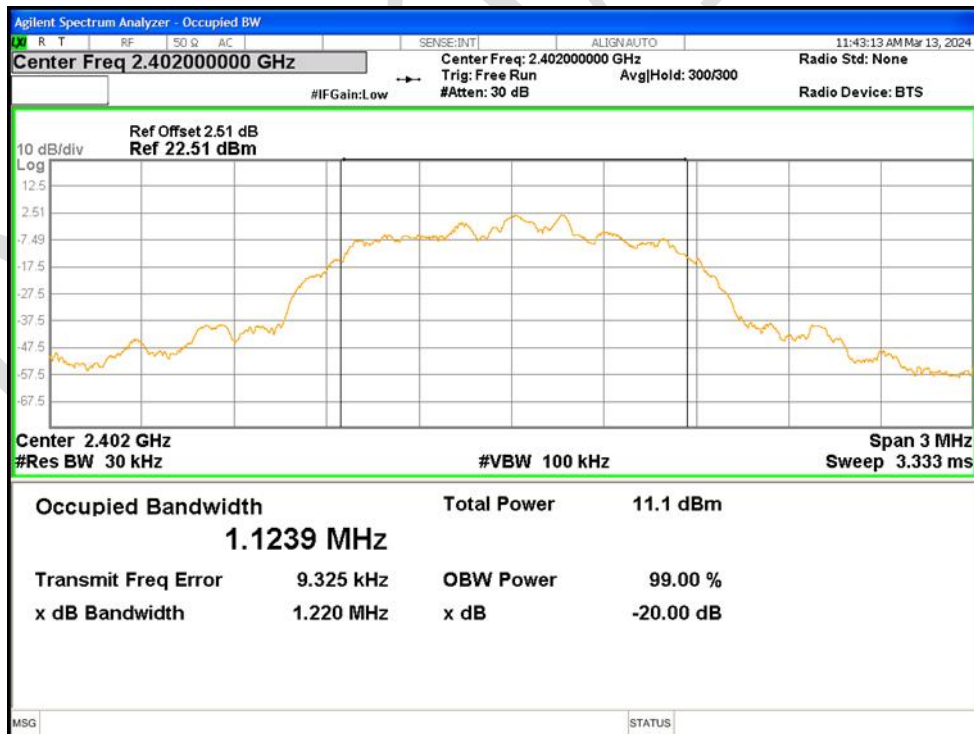
OBW NVNT 2-DH1 2441MHz Ant1



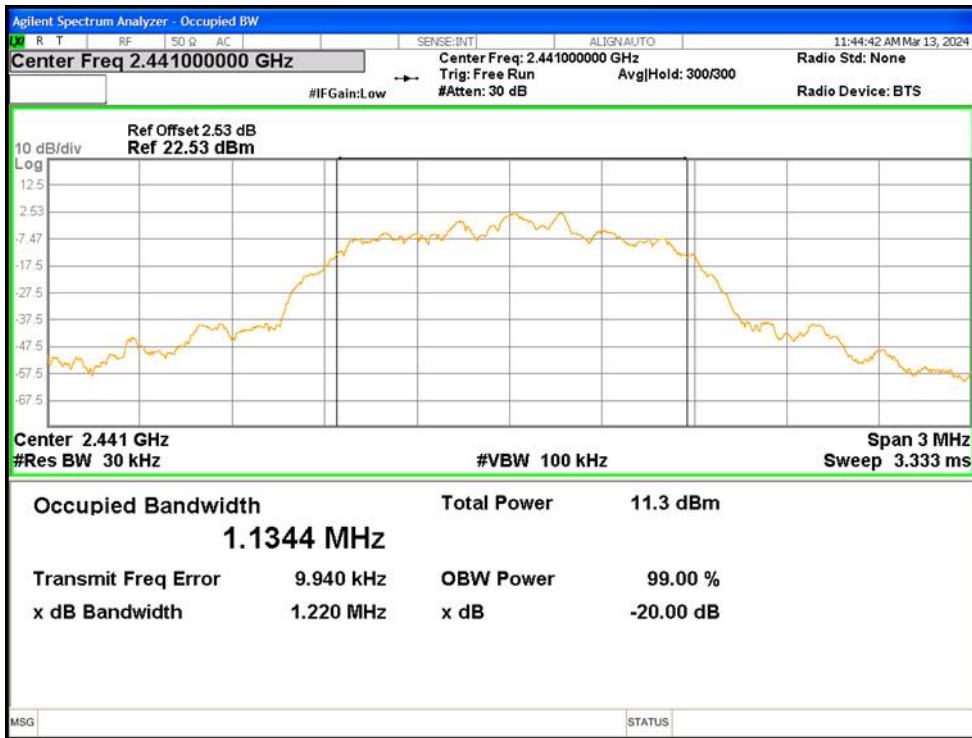
OBW NVNT 2-DH1 2480MHz Ant1



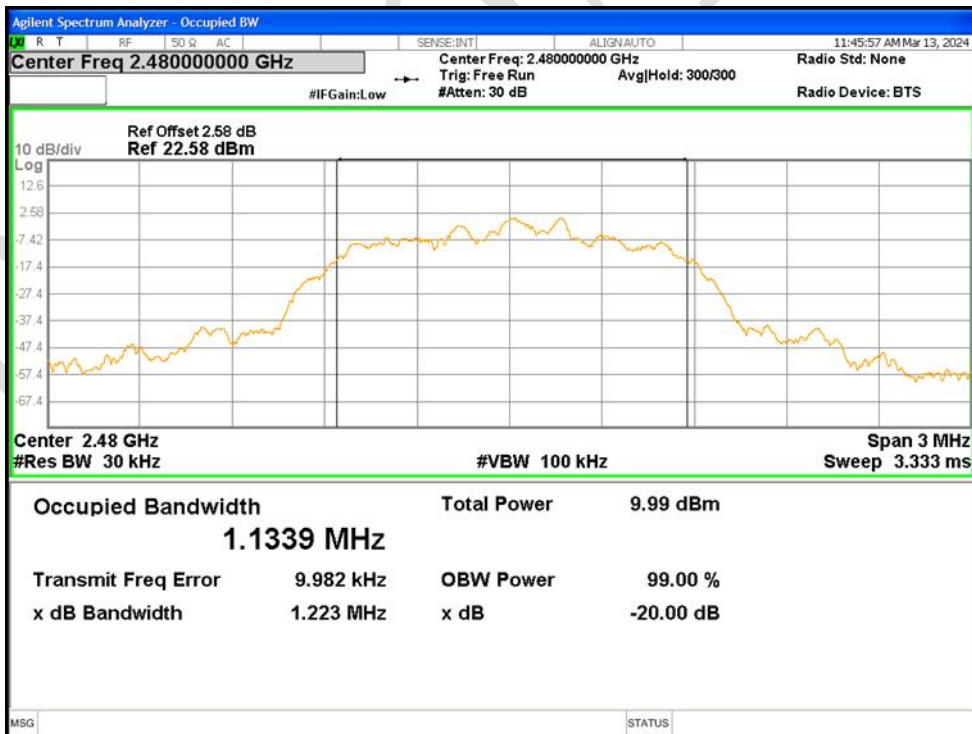
OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



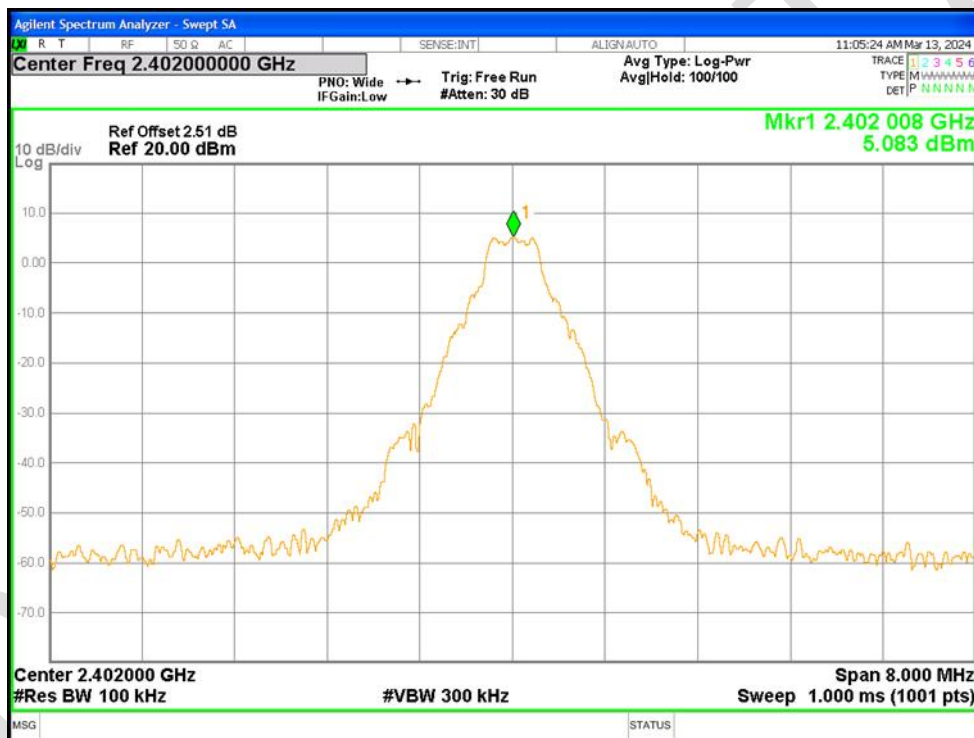
OBW NVNT 3-DH1 2480MHz Ant1



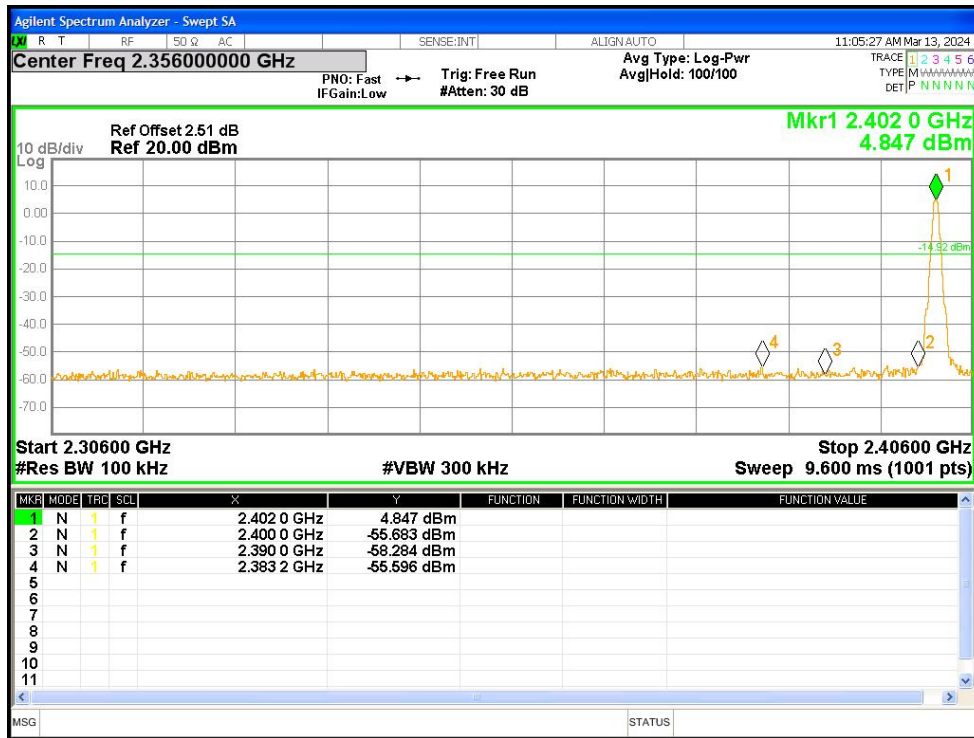
22.4 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-60.68	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-58.08	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-59.45	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-58.98	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-58.83	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-58.13	-20	Pass

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



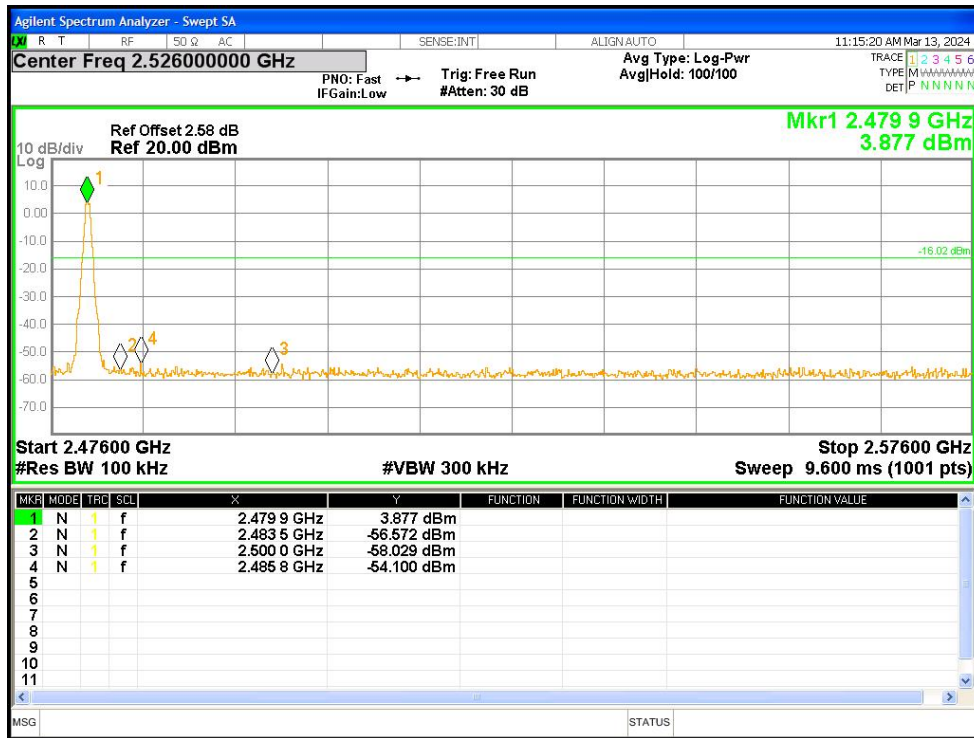
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



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



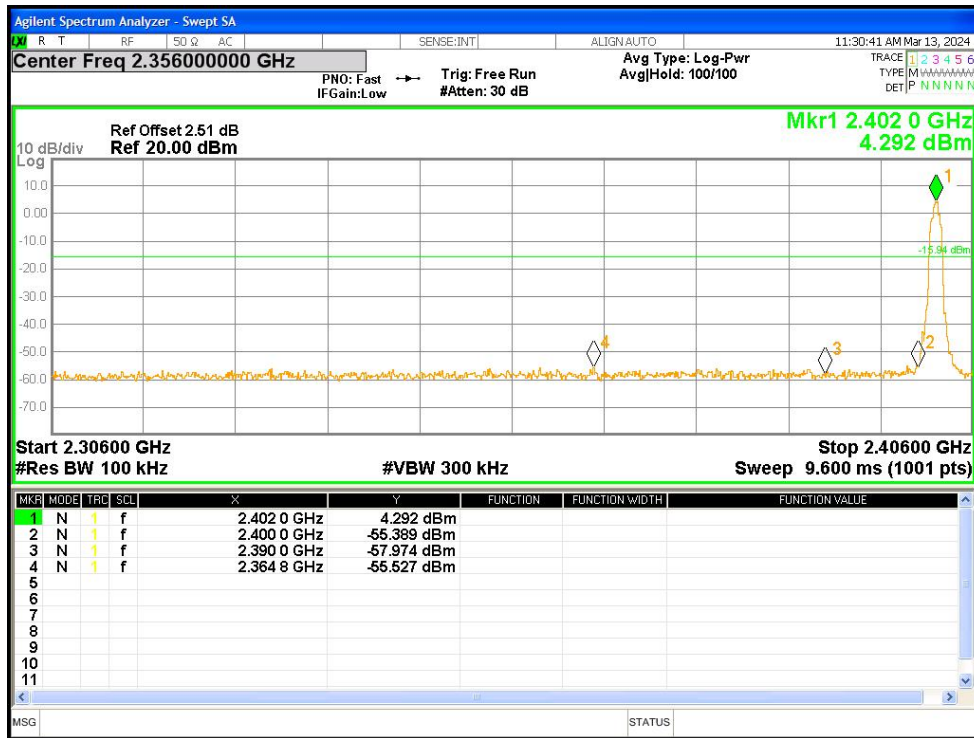
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



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



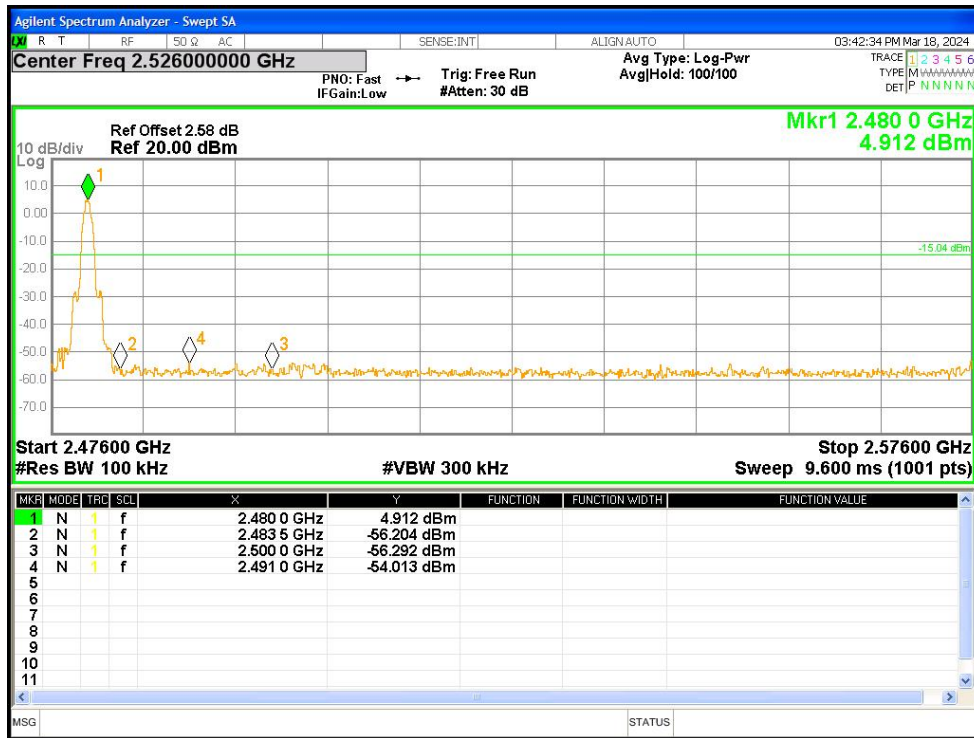
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



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



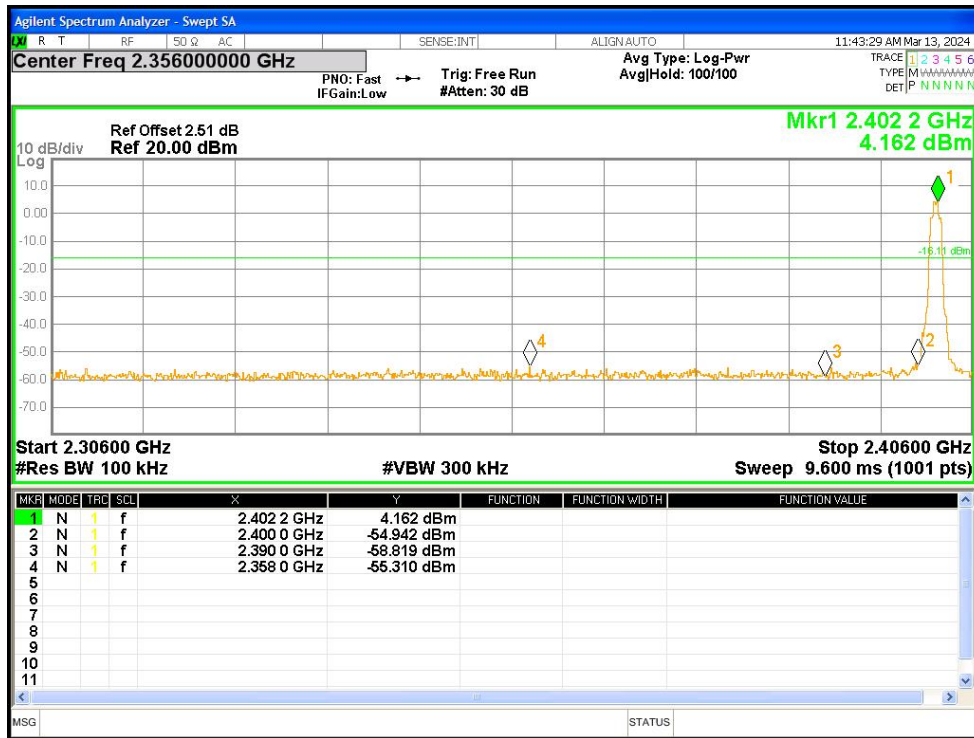
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



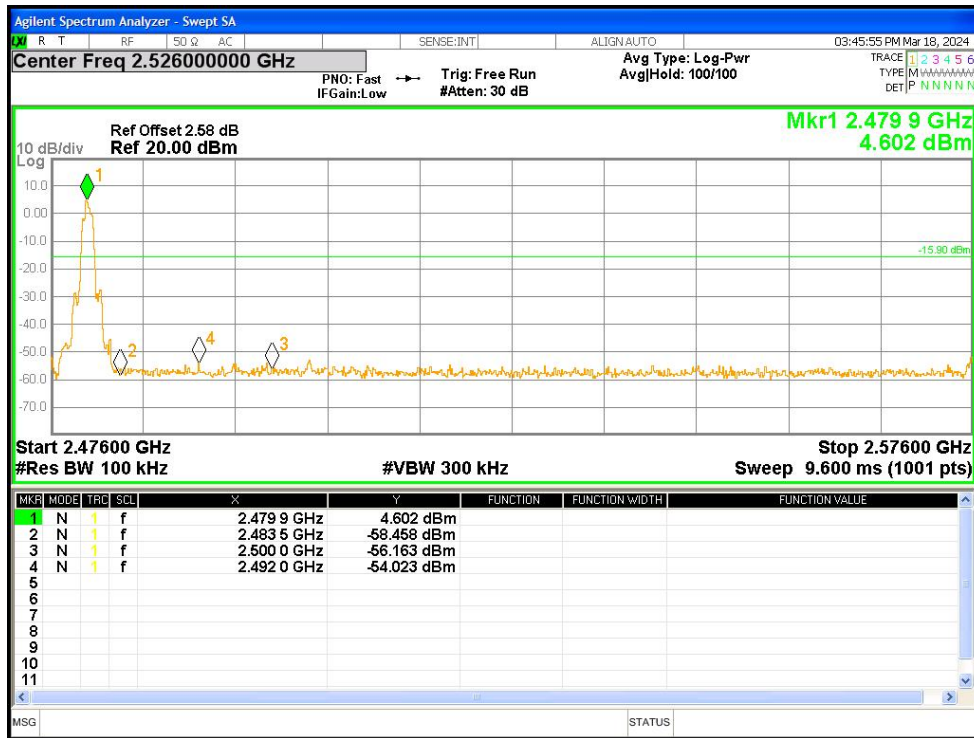
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission



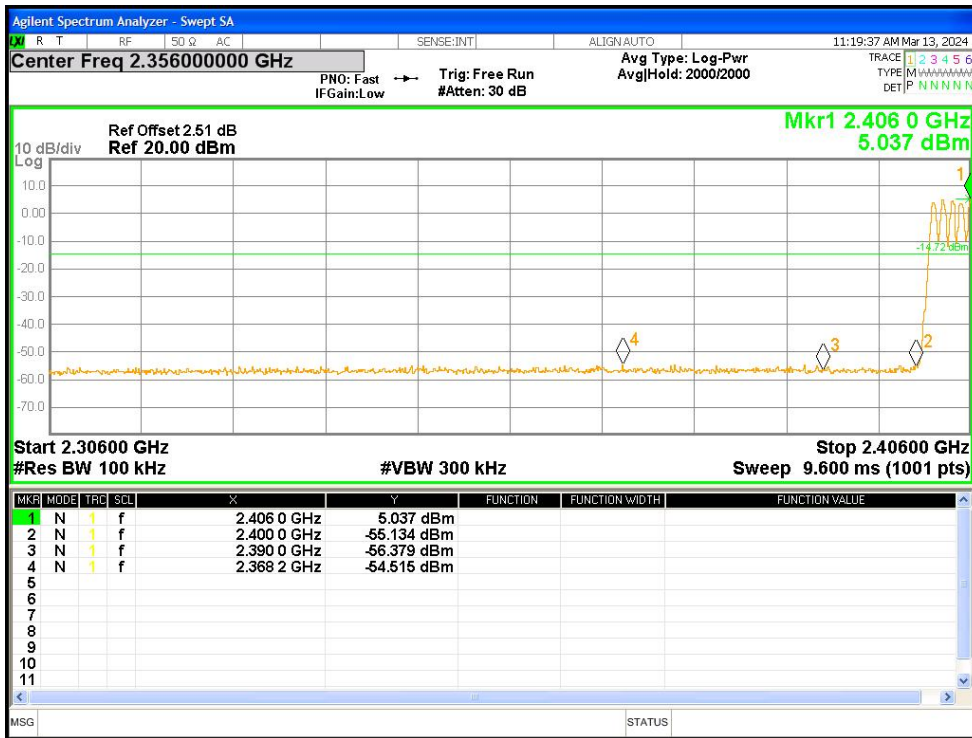
22.5 BAND EDGE(HOPPING)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-59.79	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-58.37	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-58.79	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-55.27	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-58.57	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-57.37	-20	Pass

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



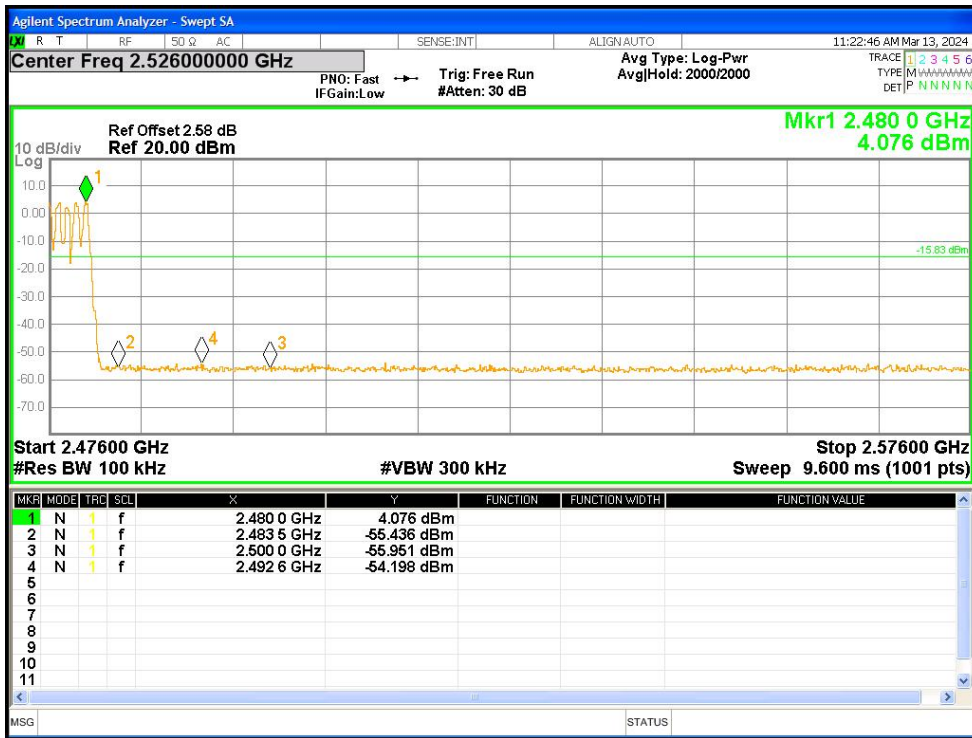
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



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



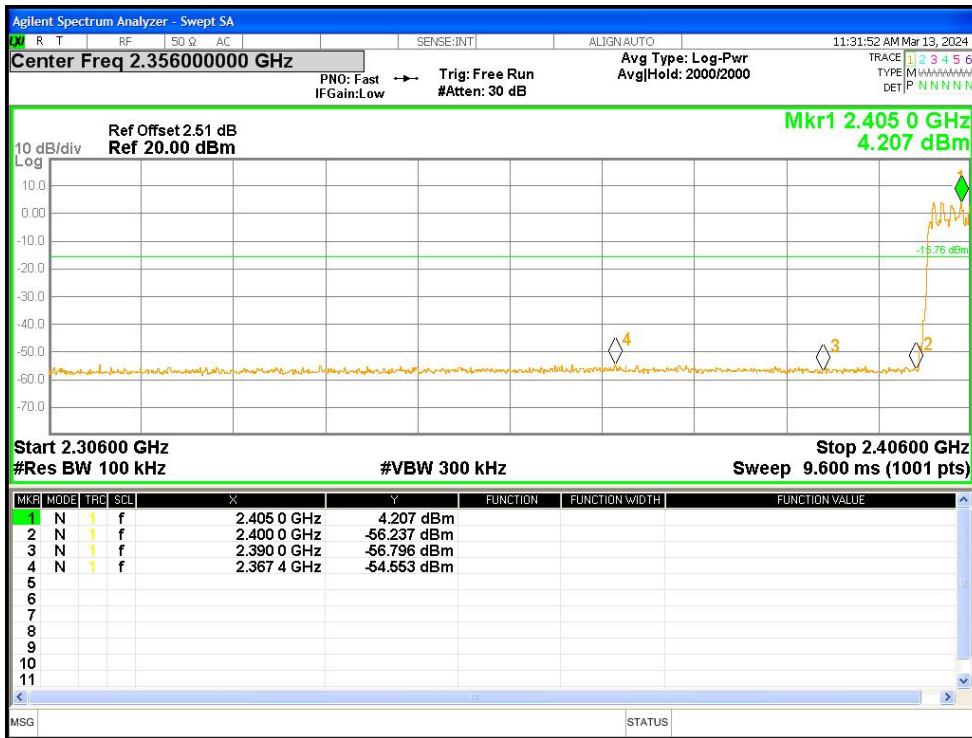
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



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



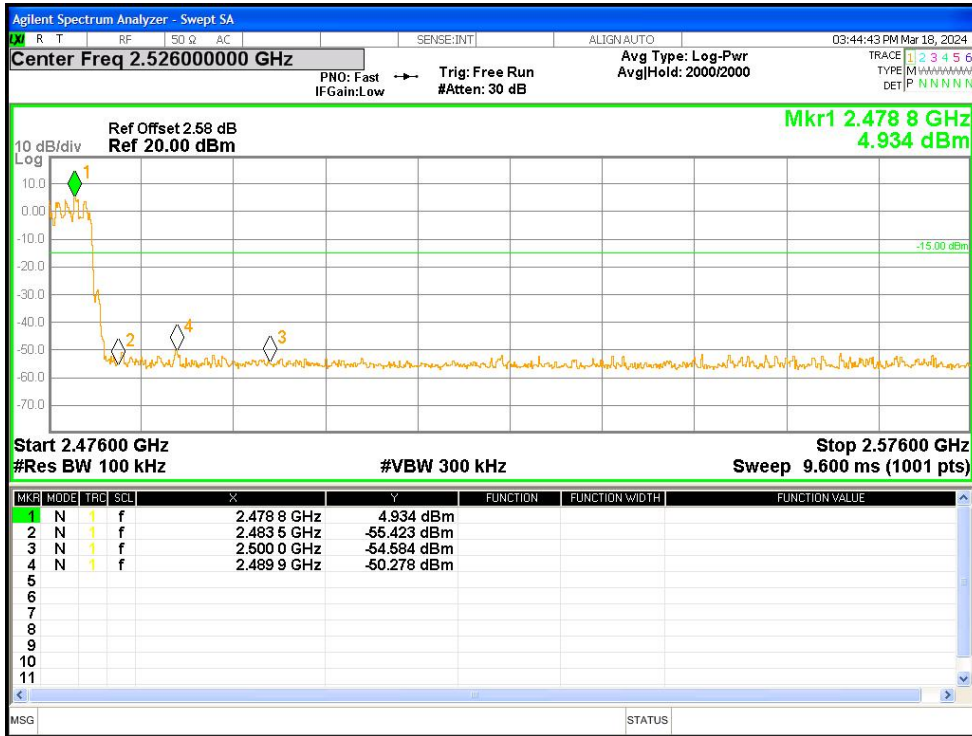
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref

