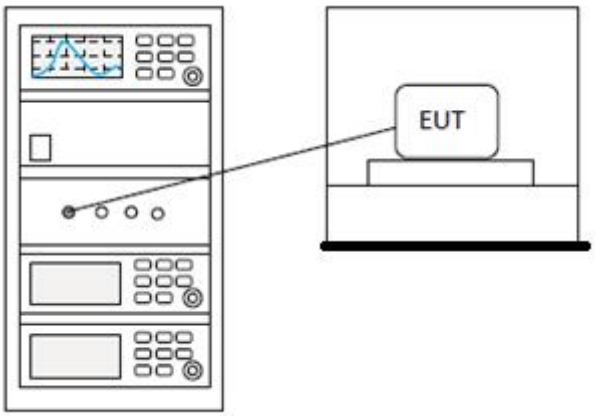
20.2 BLOCK DIAGRAM OF TEST SETUP



20.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

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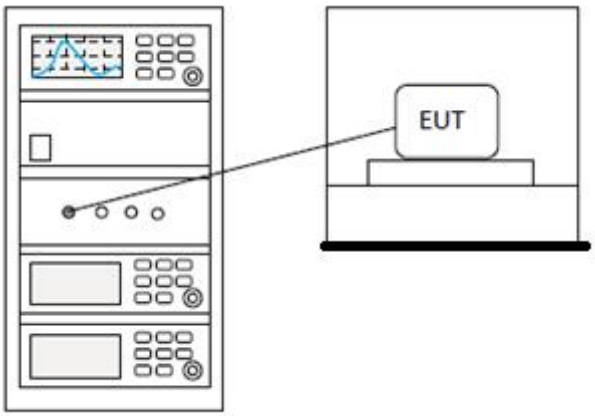
21 CONDUCTED BAND EDGES MEASUREMENT

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	William
Temperature	25℃
Humidity	60%

21.1 LIMITS

Limit:	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)).

21.2 BLOCK DIAGRAM OF TEST SETUP



21.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

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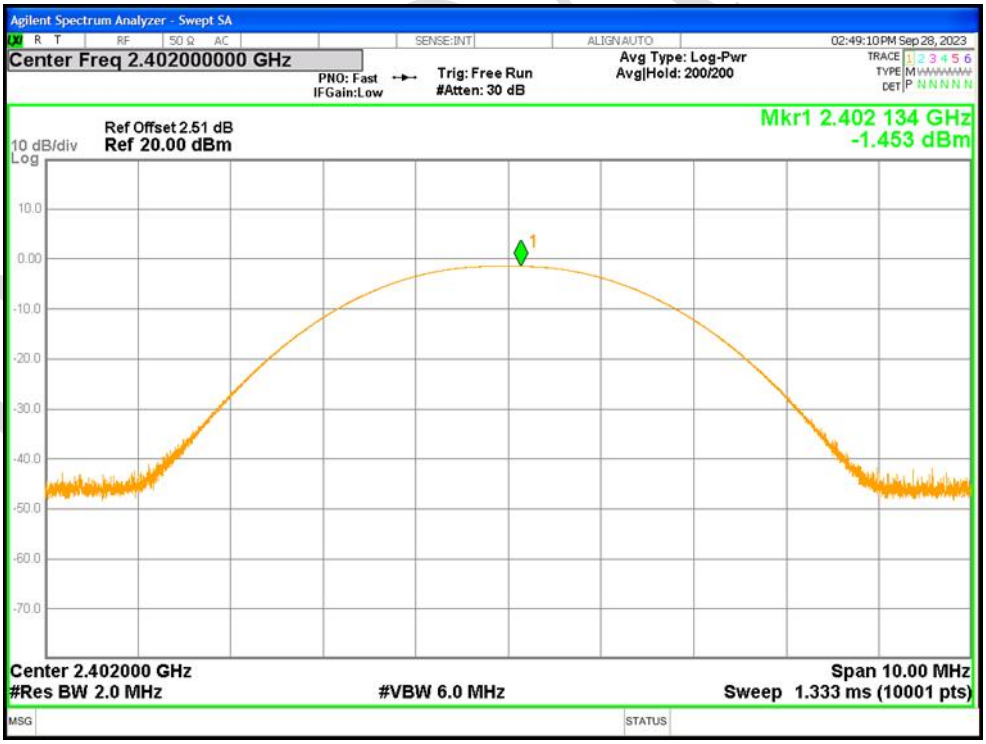
22 APPENDIX

Appendix1

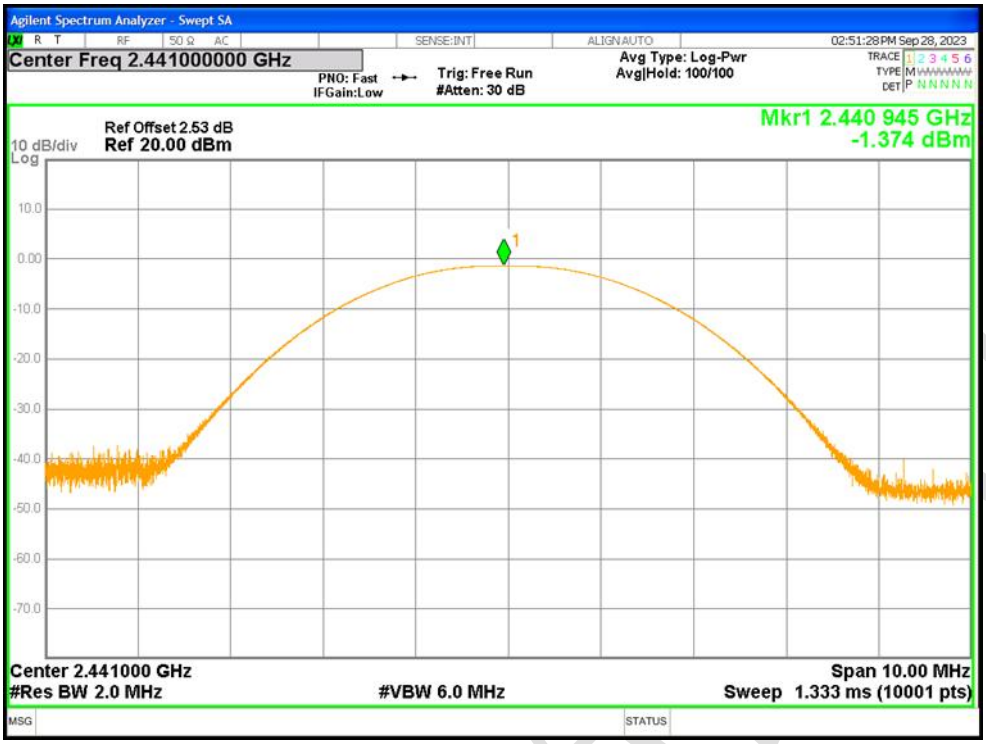
22.1 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-1.453	21	Pass
NVNT	1-DH1	2441	Ant1	-1.374	21	Pass
NVNT	1-DH1	2480	Ant1	-0.627	21	Pass
NVNT	2-DH1	2402	Ant1	-1.362	21	Pass
NVNT	2-DH1	2441	Ant1	-1.33	21	Pass
NVNT	2-DH1	2480	Ant1	-0.63	21	Pass
NVNT	3-DH1	2402	Ant1	-1.371	21	Pass
NVNT	3-DH1	2441	Ant1	-1.234	21	Pass
NVNT	3-DH1	2480	Ant1	-0.449	21	Pass

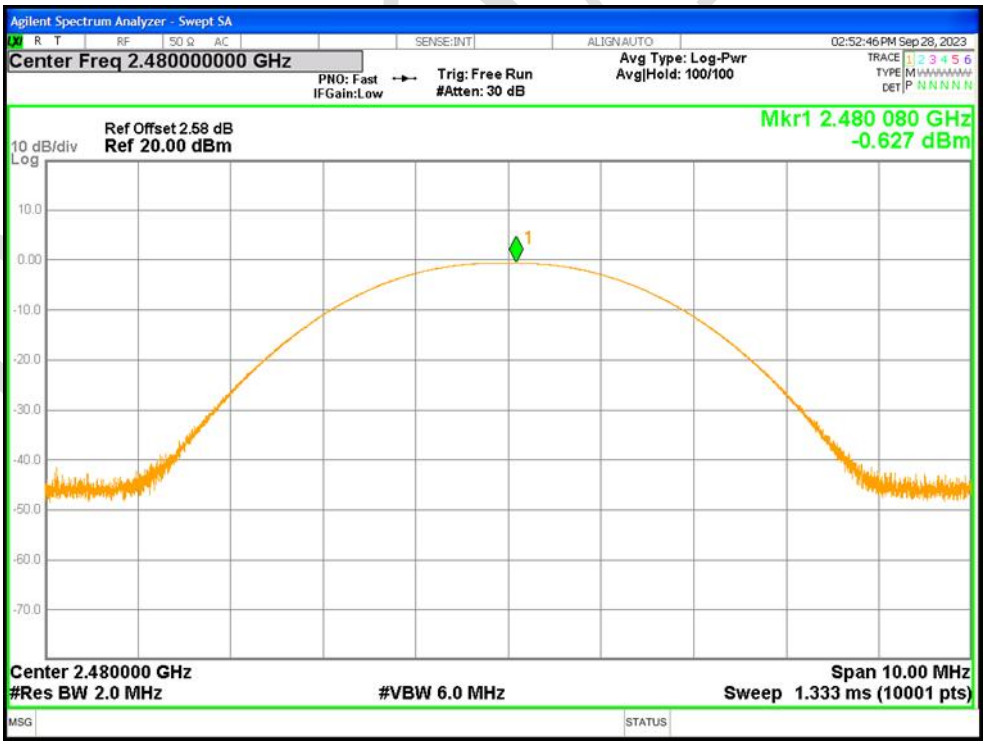
Power NVNT 1-DH1 2402MHz Ant1



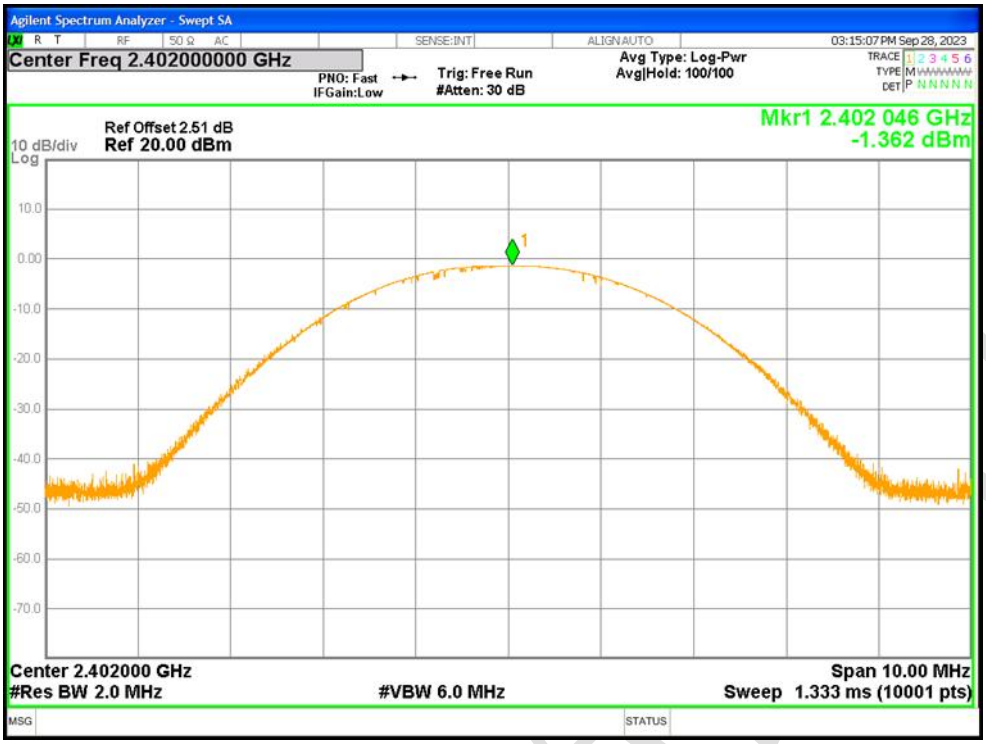
Power NVNT 1-DH1 2441MHz Ant1



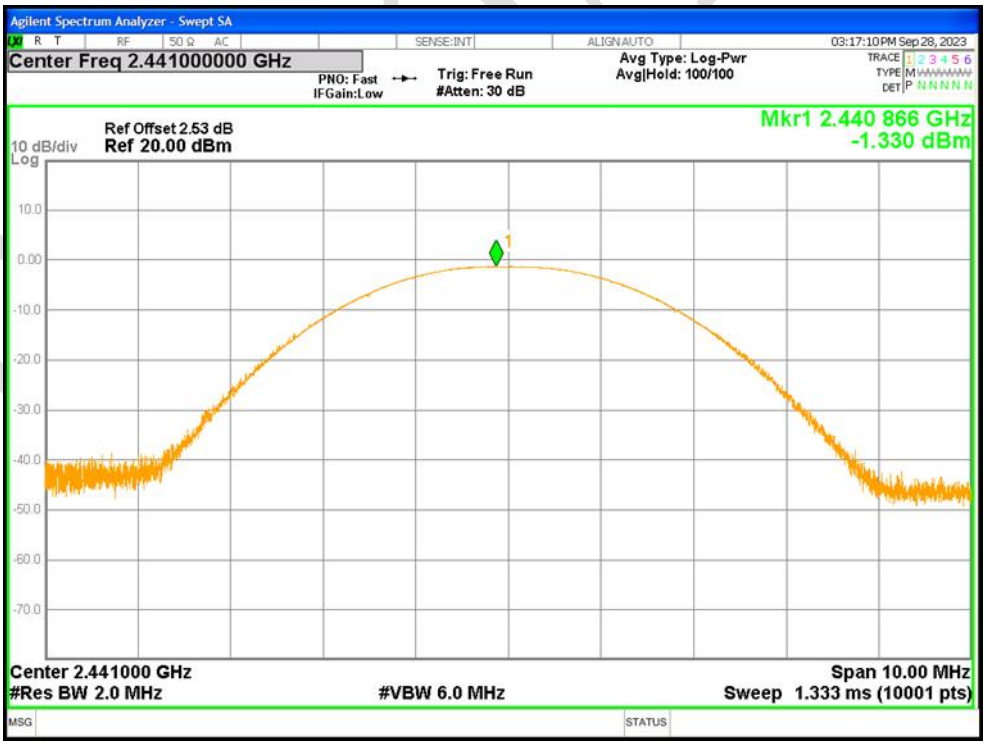
Power NVNT 1-DH1 2480MHz Ant1



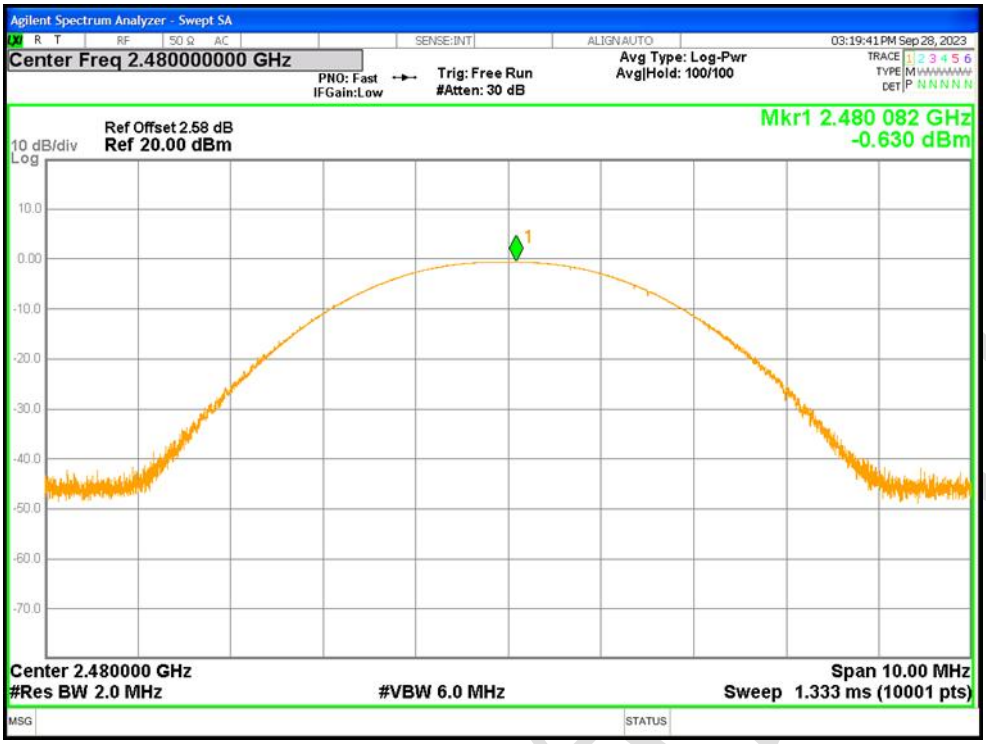
Power NVNT 2-DH1 2402MHz Ant1



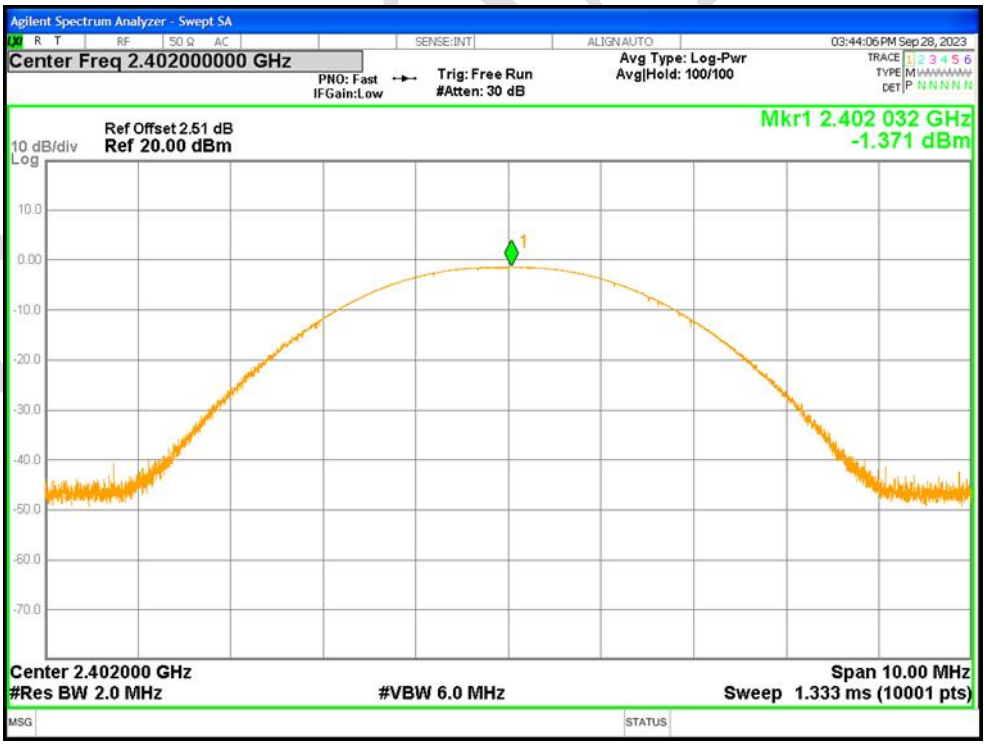
Power NVNT 2-DH1 2441MHz Ant1



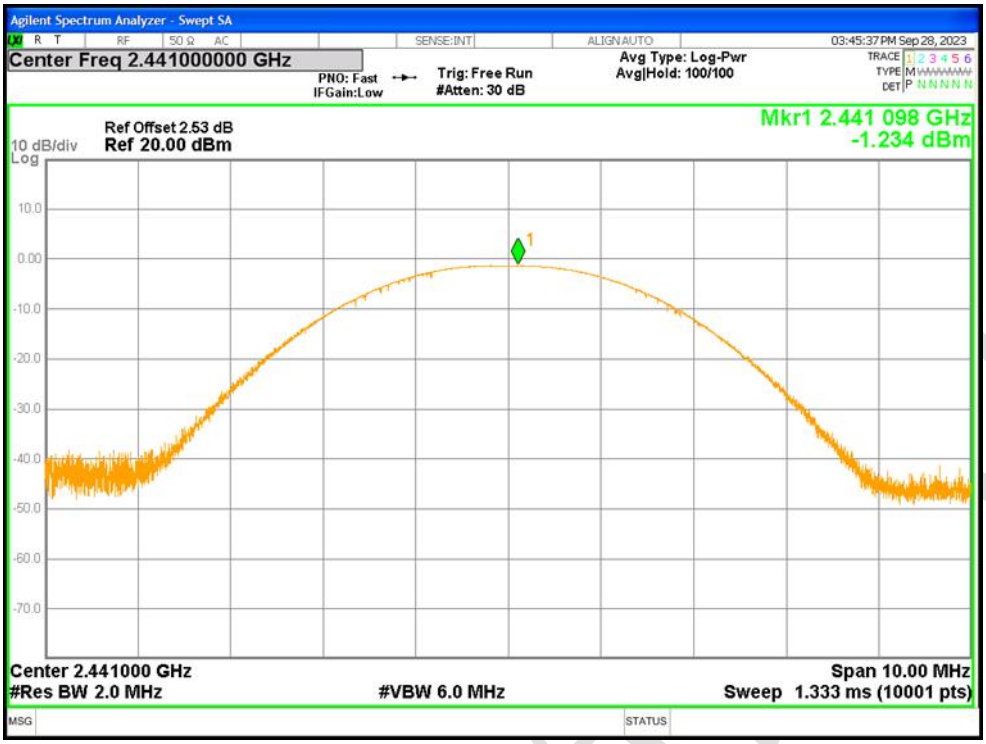
Power NVNT 2-DH1 2480MHz Ant1



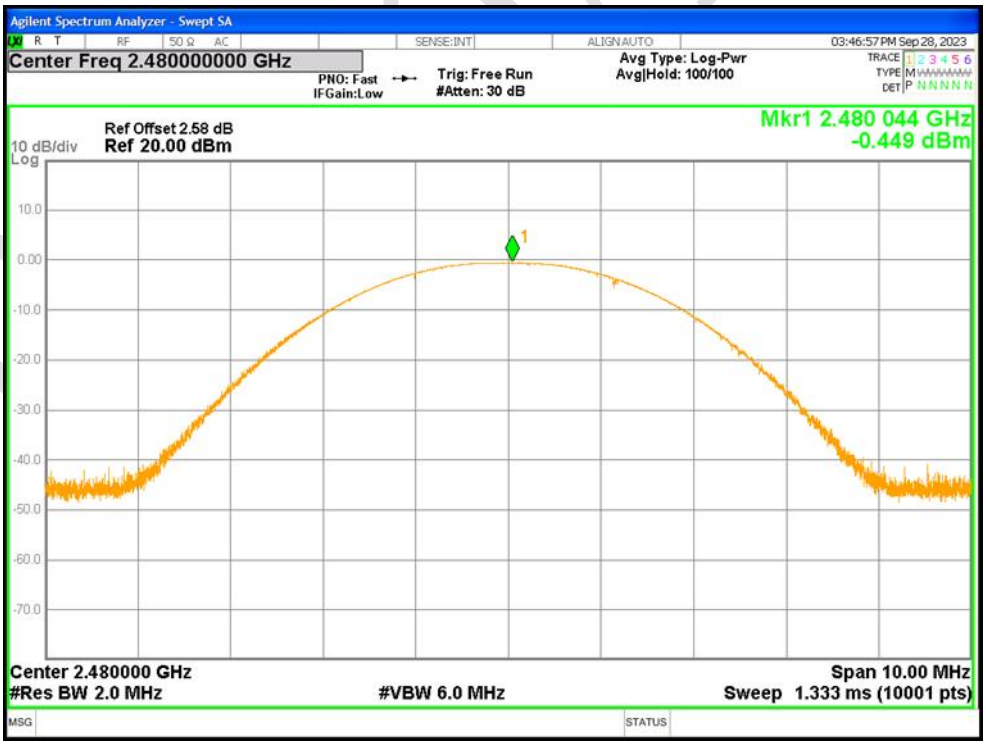
Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



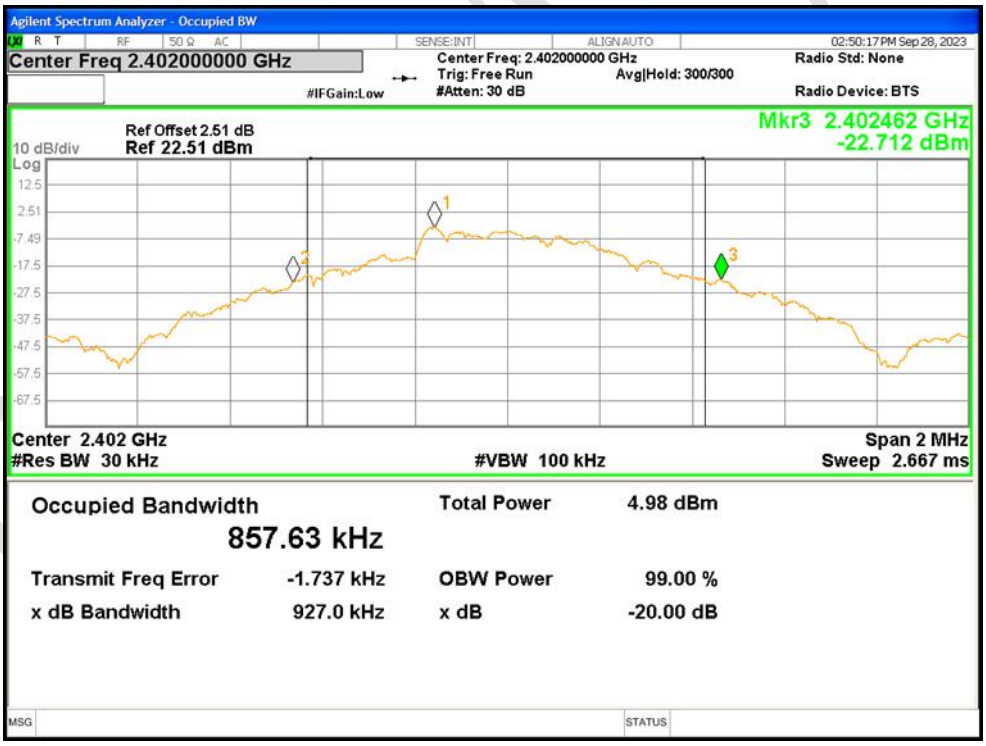
Power NVNT 3-DH1 2480MHz Ant1



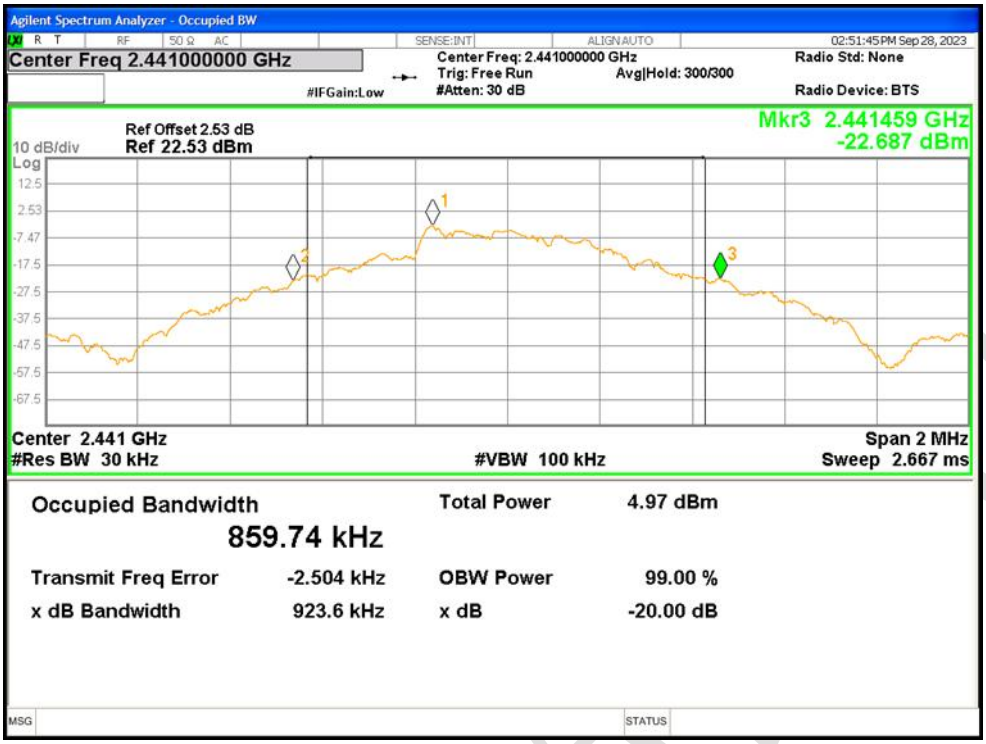
22.2 -20DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.927	0	Pass
NVNT	1-DH1	2441	Ant1	0.9236	0	Pass
NVNT	1-DH1	2480	Ant1	0.9221	0	Pass
NVNT	2-DH1	2402	Ant1	1.216	0	Pass
NVNT	2-DH1	2441	Ant1	1.216	0	Pass
NVNT	2-DH1	2480	Ant1	1.213	0	Pass
NVNT	3-DH1	2402	Ant1	1.214	0	Pass
NVNT	3-DH1	2441	Ant1	1.212	0	Pass
NVNT	3-DH1	2480	Ant1	1.211	0	Pass

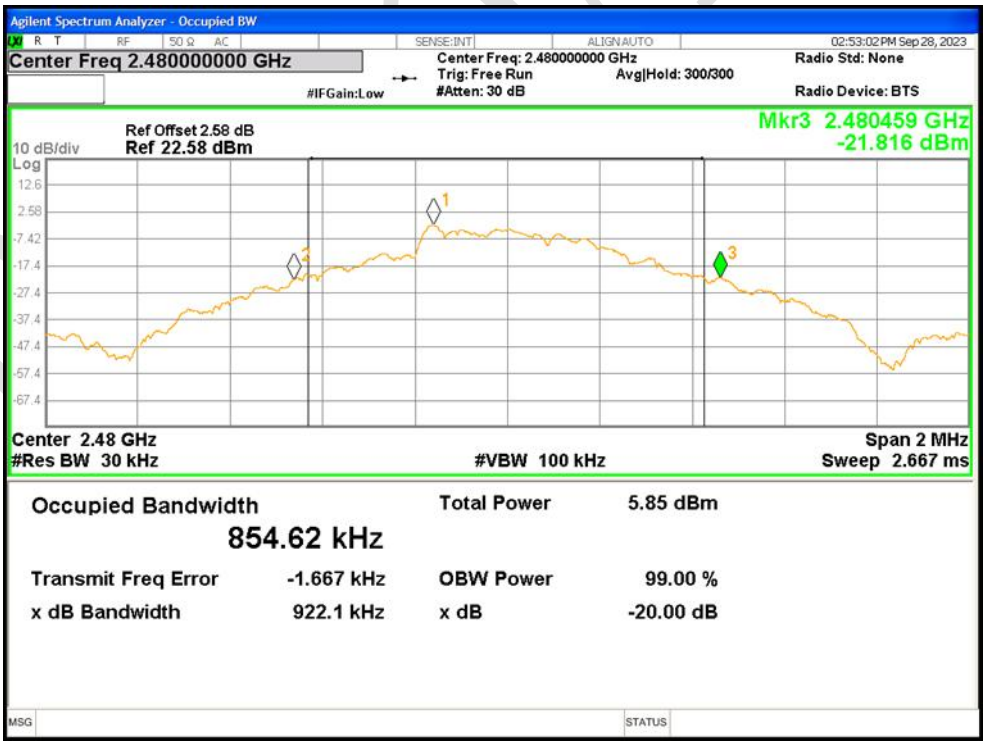
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



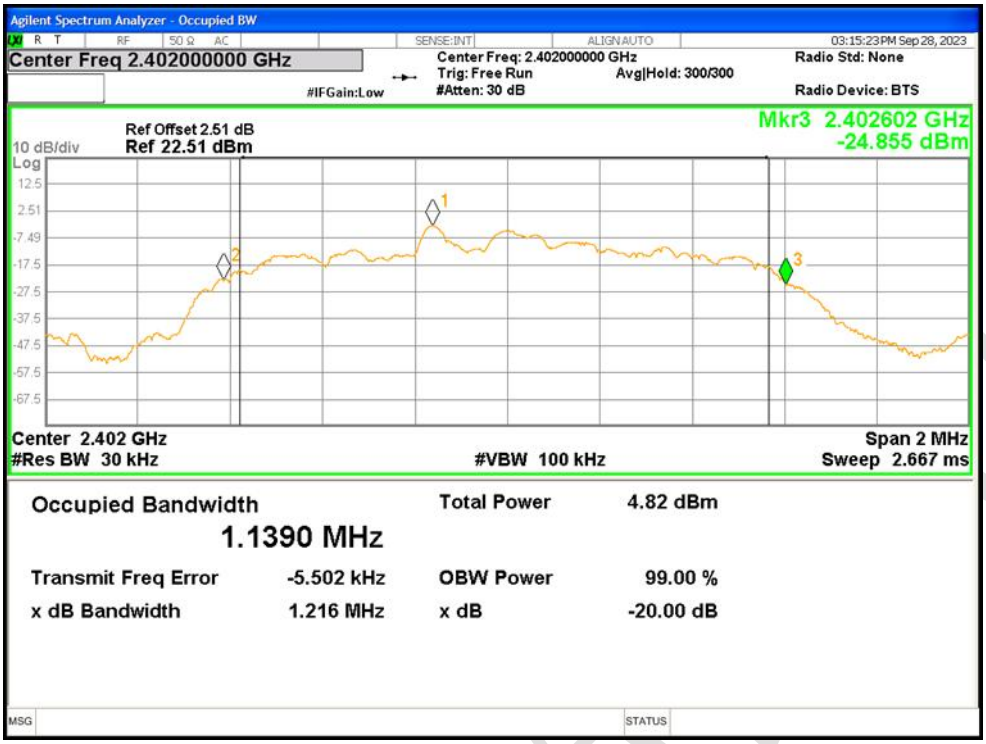
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



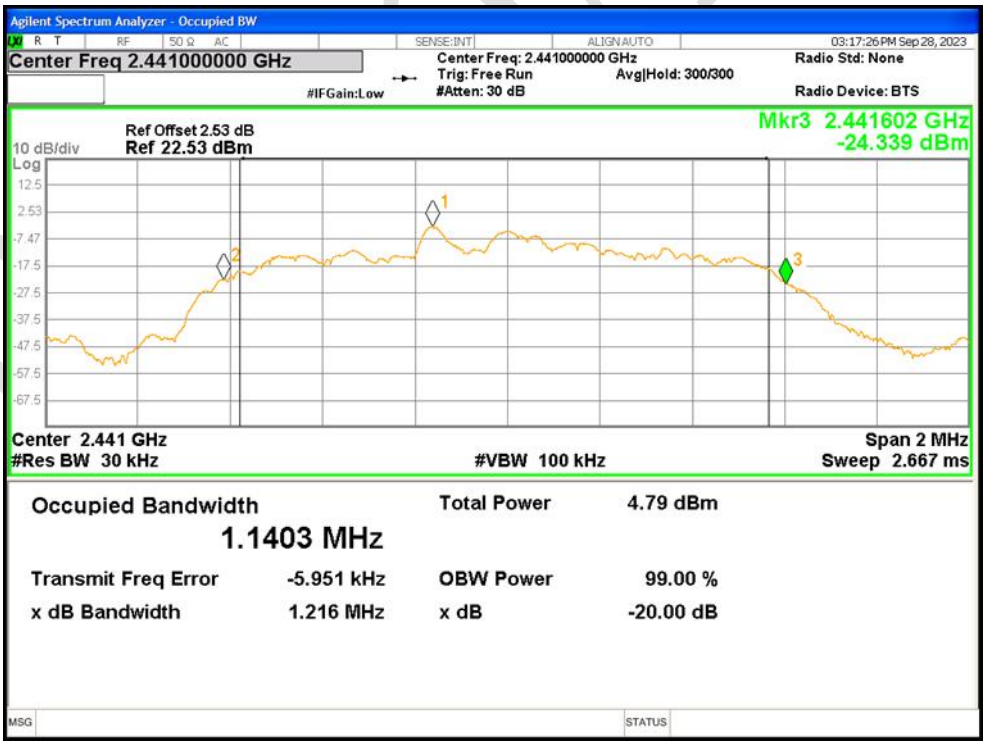
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



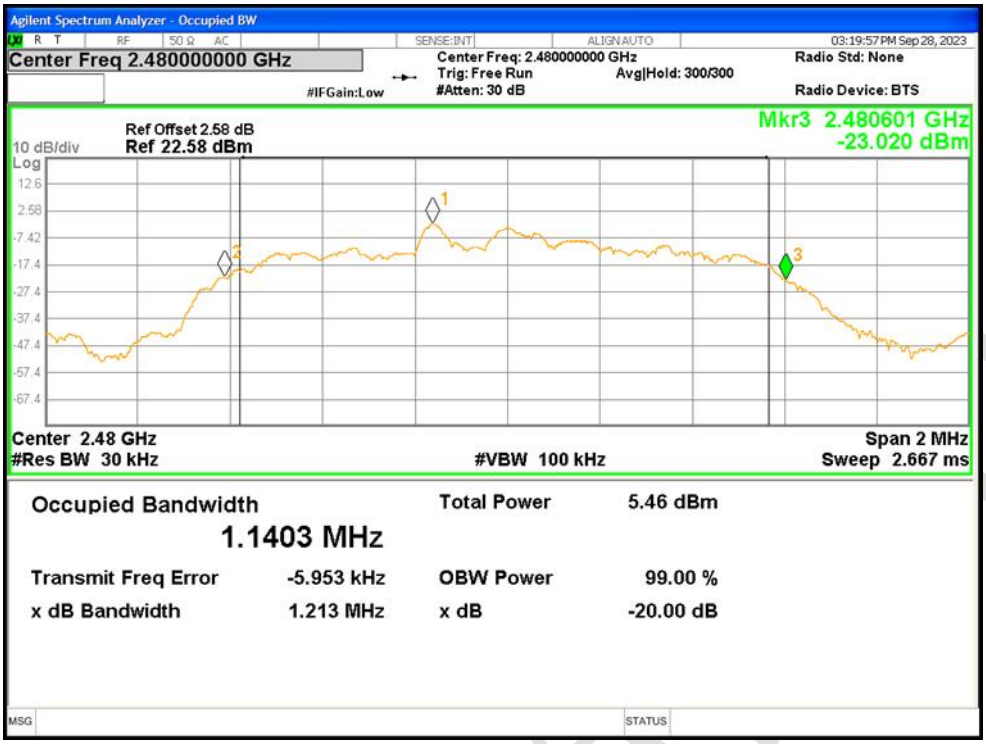
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



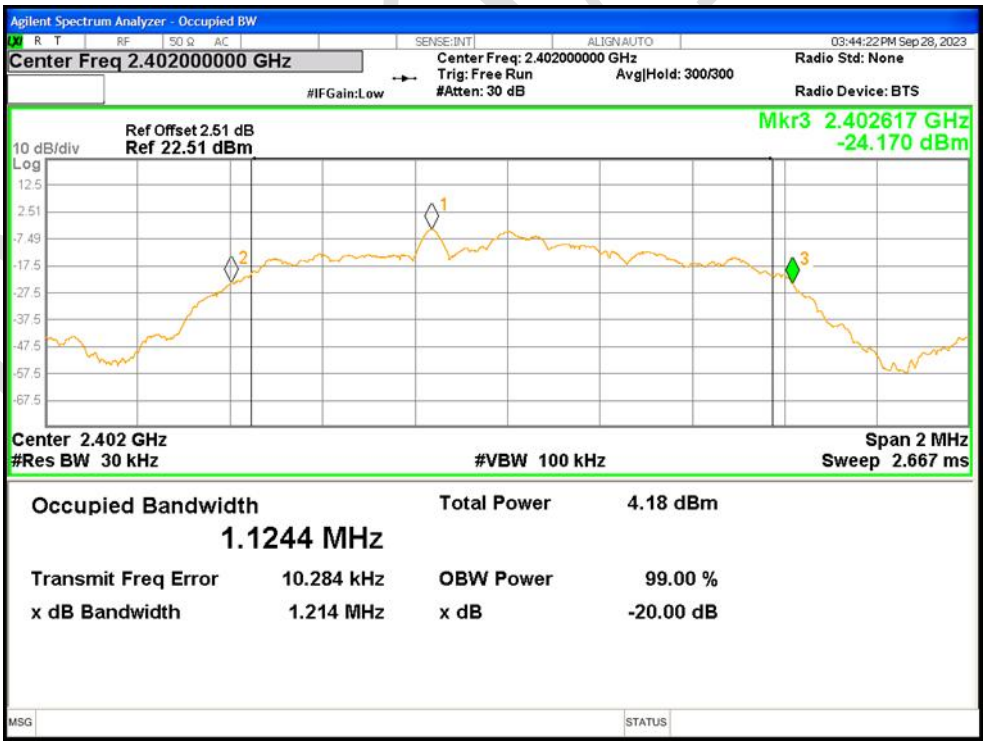
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



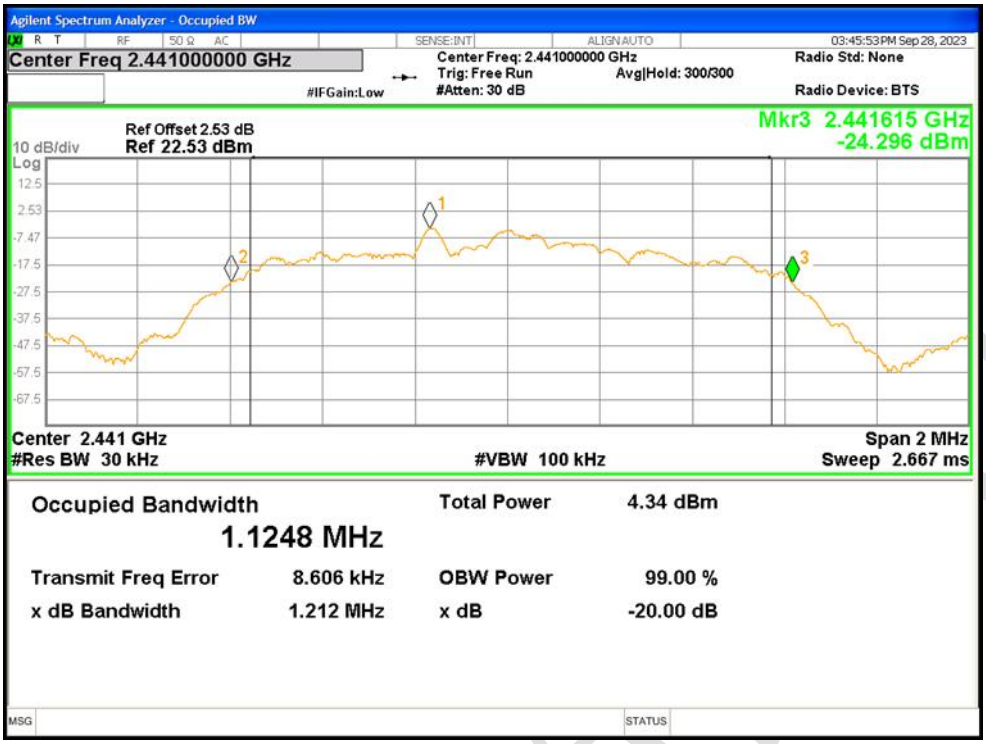
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1



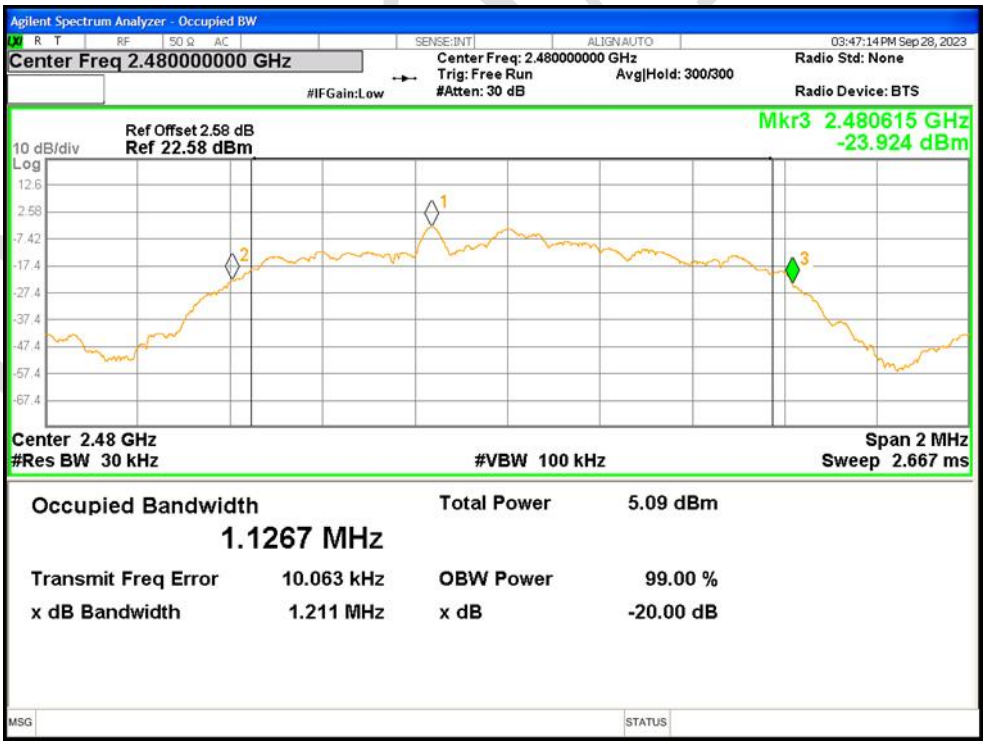
-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



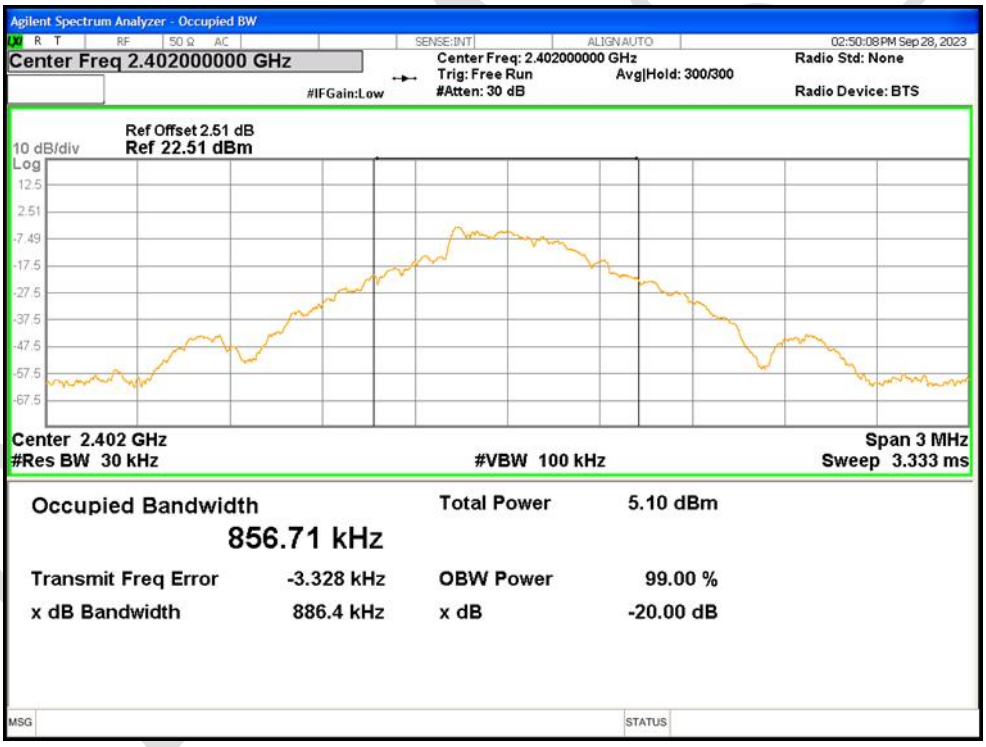
-20dB Bandwidth NVNT 3-DH1 2480MHz Ant1



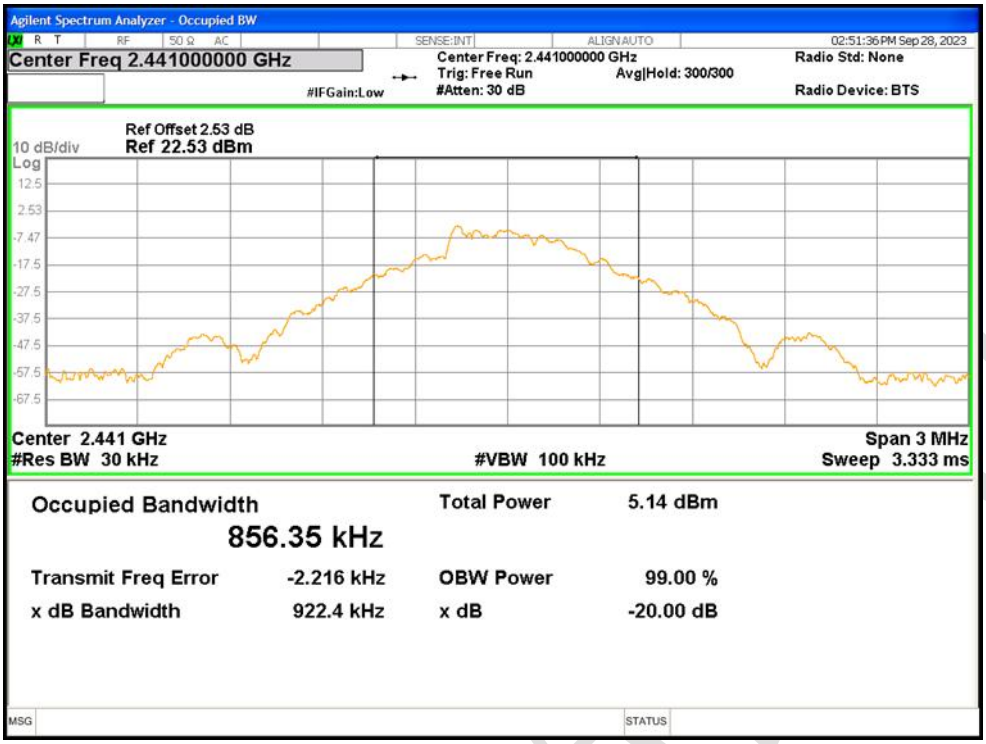
22.3 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.85671
NVNT	1-DH1	2441	Ant1	0.85635
NVNT	1-DH1	2480	Ant1	0.85519
NVNT	2-DH1	2402	Ant1	1.1403
NVNT	2-DH1	2441	Ant1	1.1442
NVNT	2-DH1	2480	Ant1	1.1347
NVNT	3-DH1	2402	Ant1	1.1266
NVNT	3-DH1	2441	Ant1	1.1299
NVNT	3-DH1	2480	Ant1	1.1259

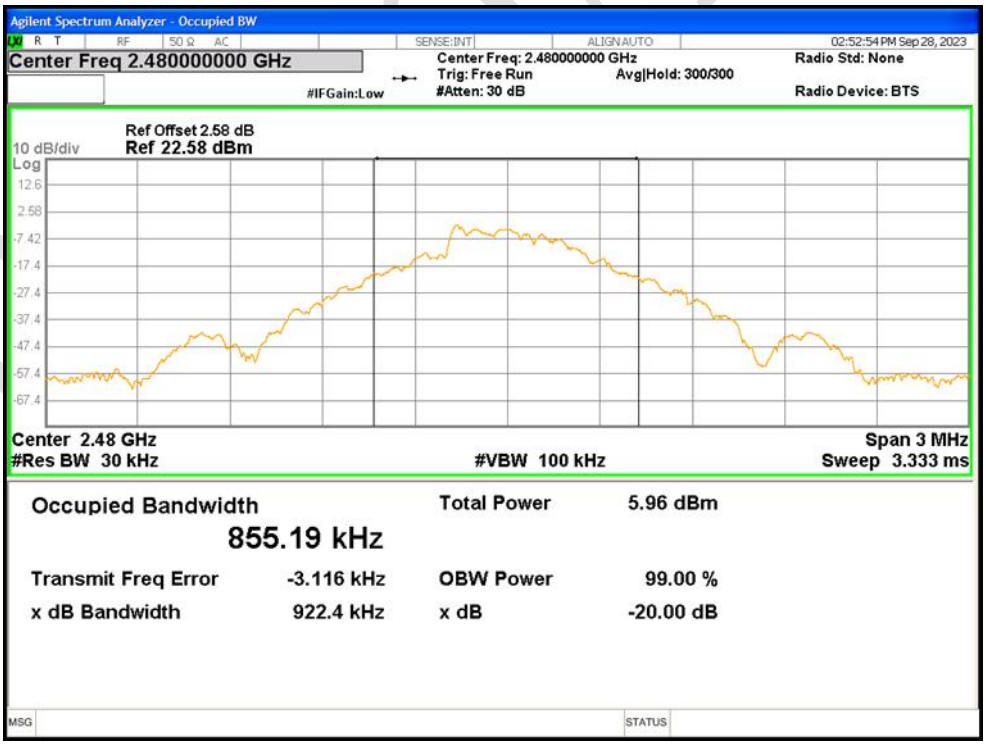
OBW NVNT 1-DH1 2402MHz Ant1



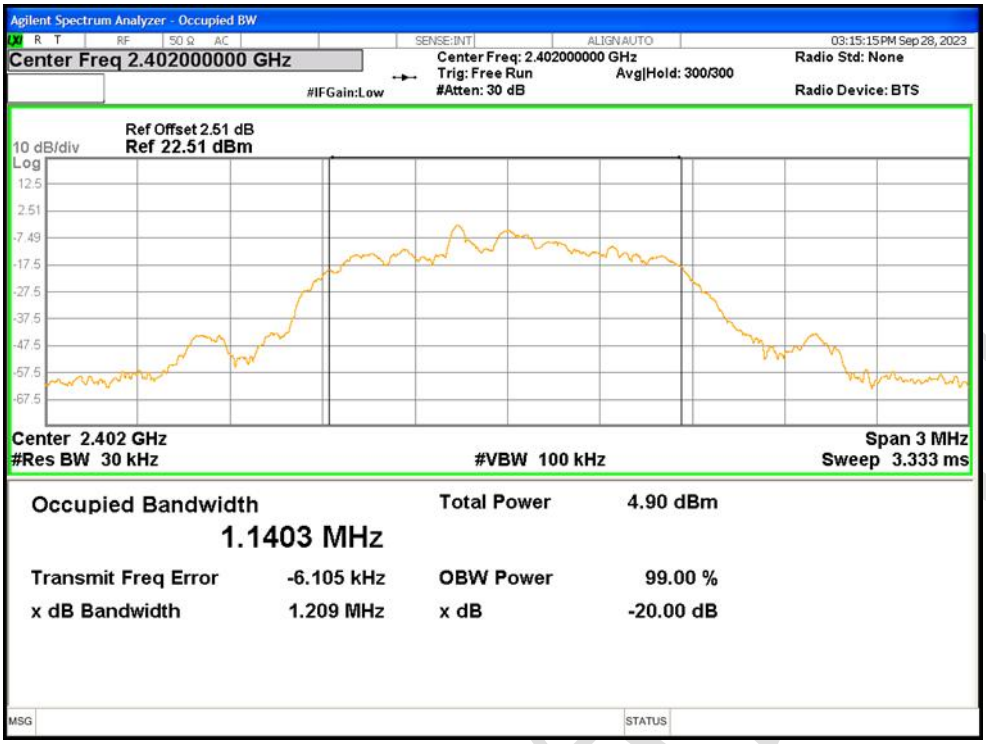
OBW NVNT 1-DH1 2441MHz Ant1



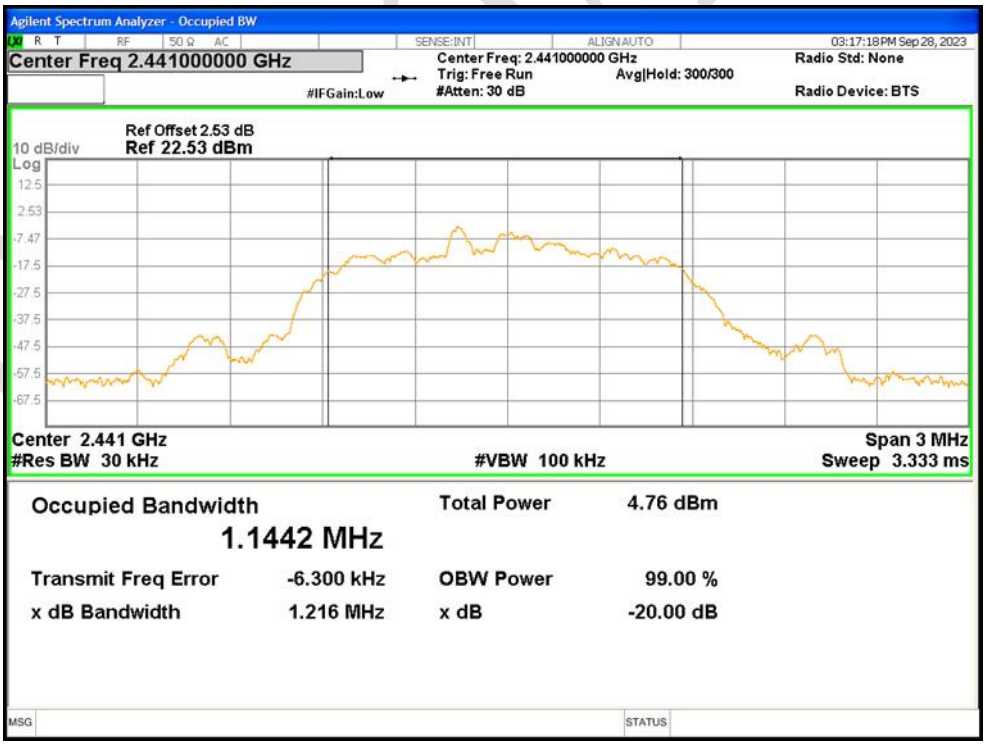
OBW NVNT 1-DH1 2480MHz Ant1



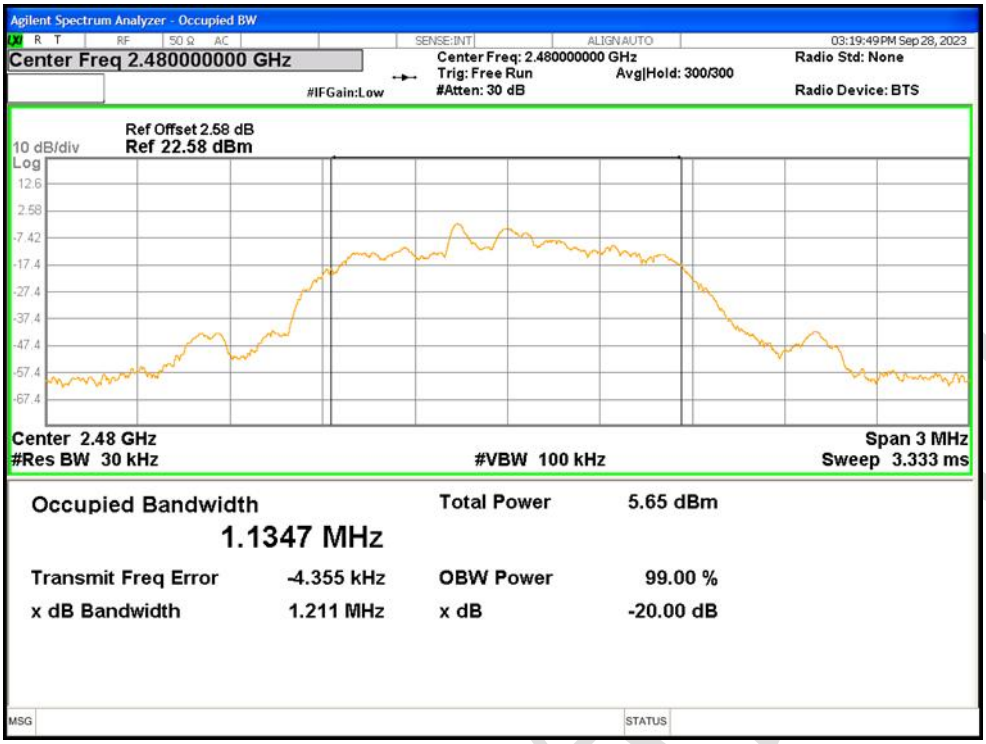
OBW NVNT 2-DH1 2402MHz Ant1



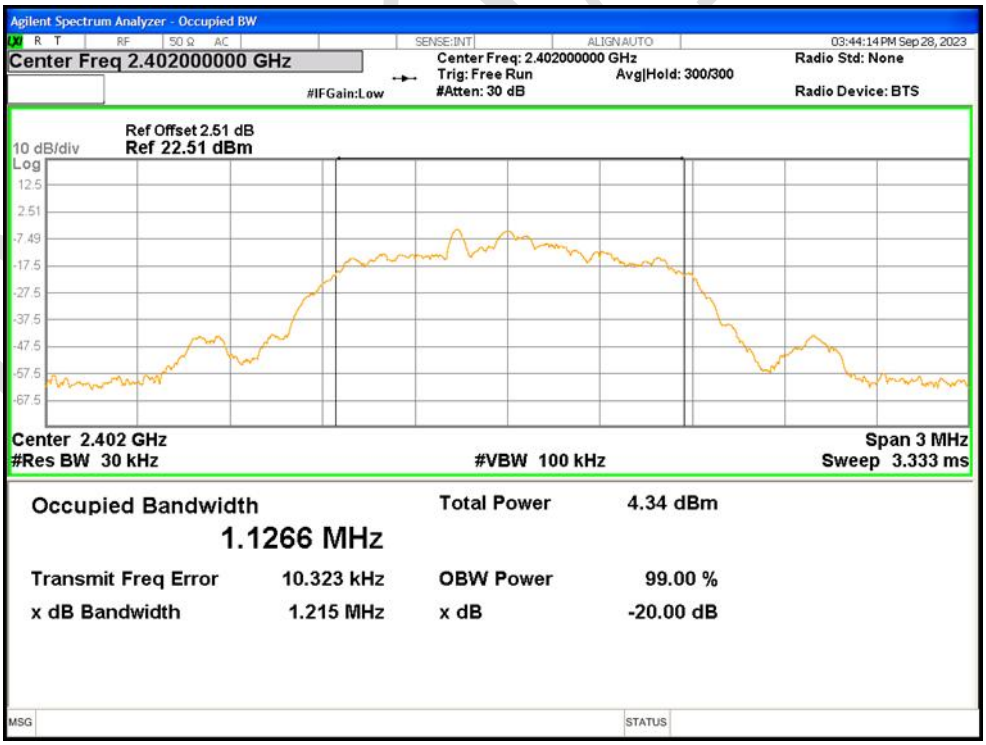
OBW NVNT 2-DH1 2441MHz Ant1



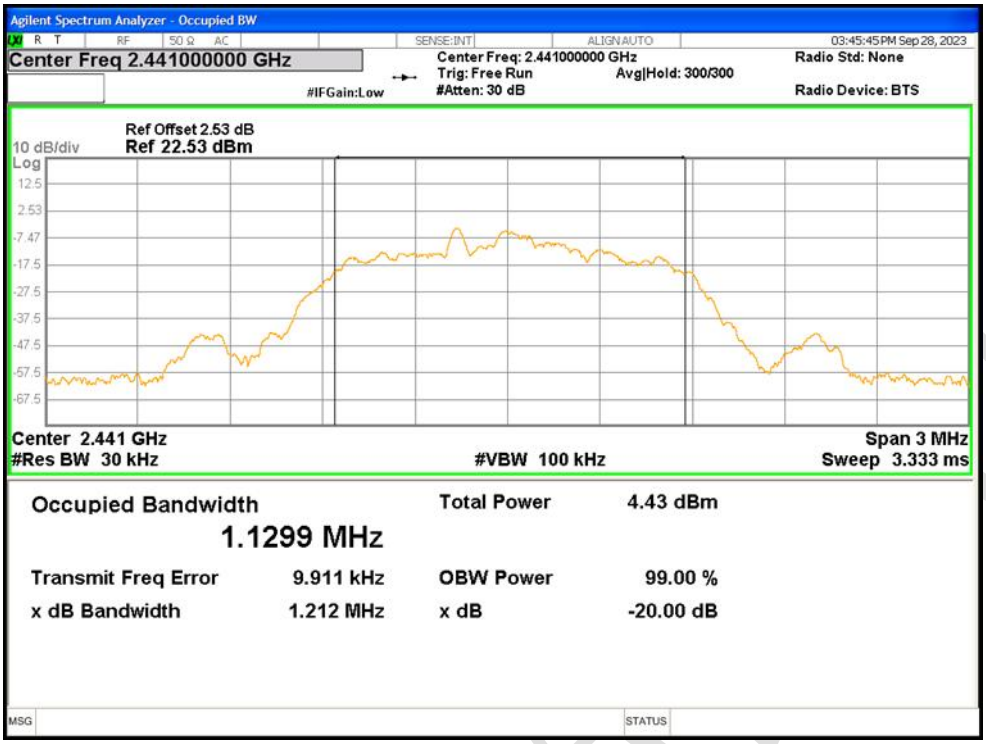
OBW NVNT 2-DH1 2480MHz Ant1



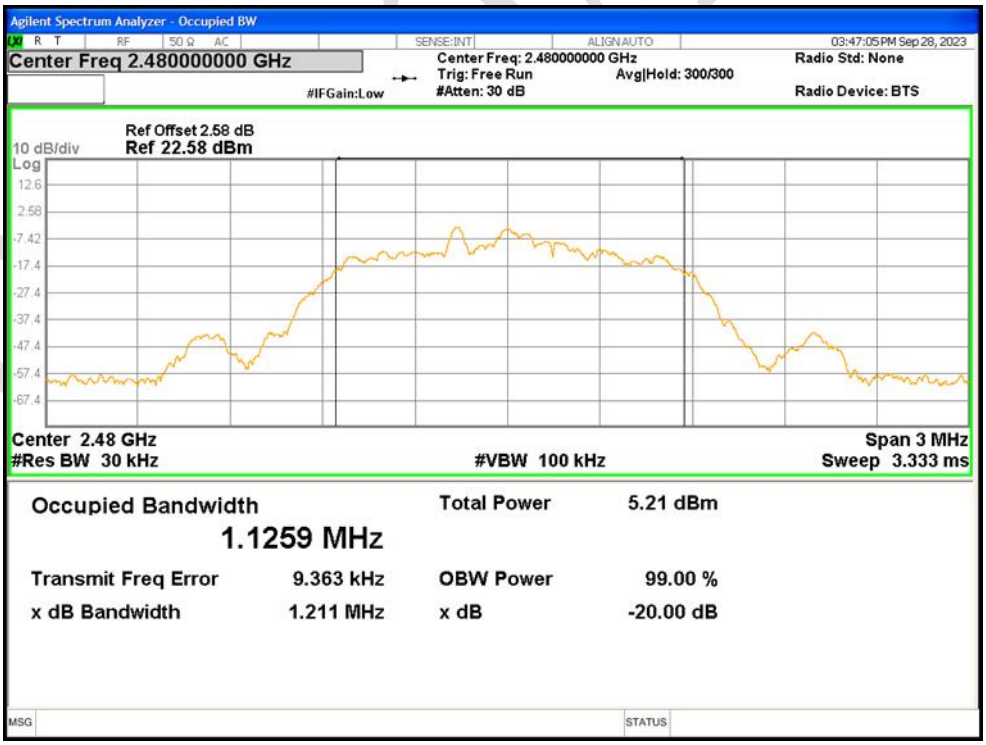
OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



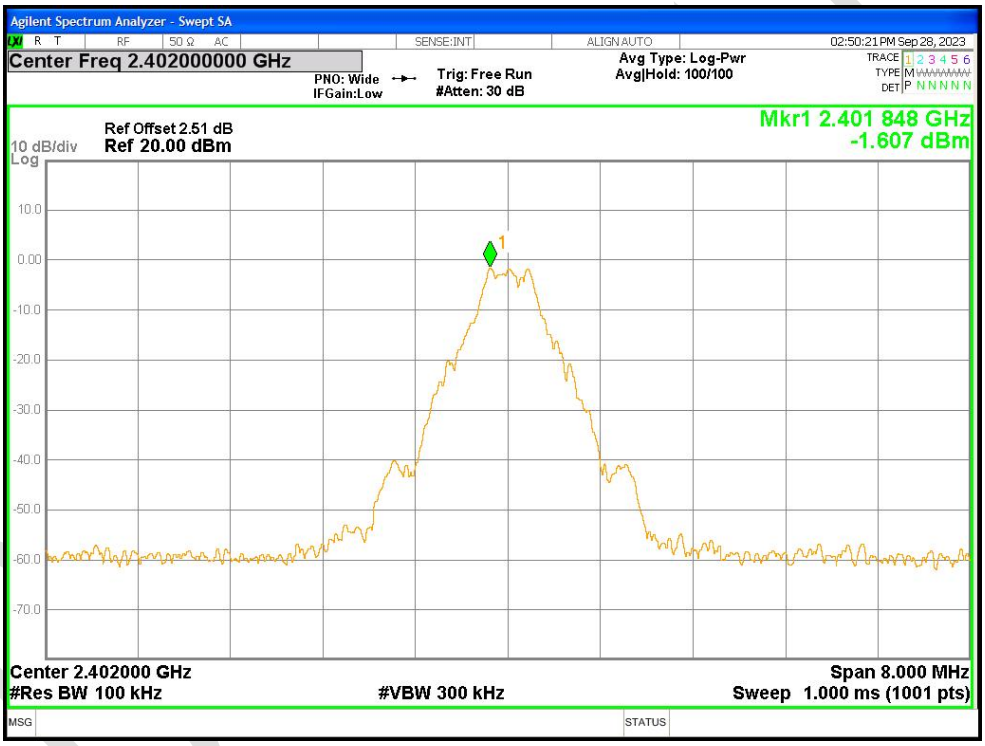
OBW NVNT 3-DH1 2480MHz Ant1



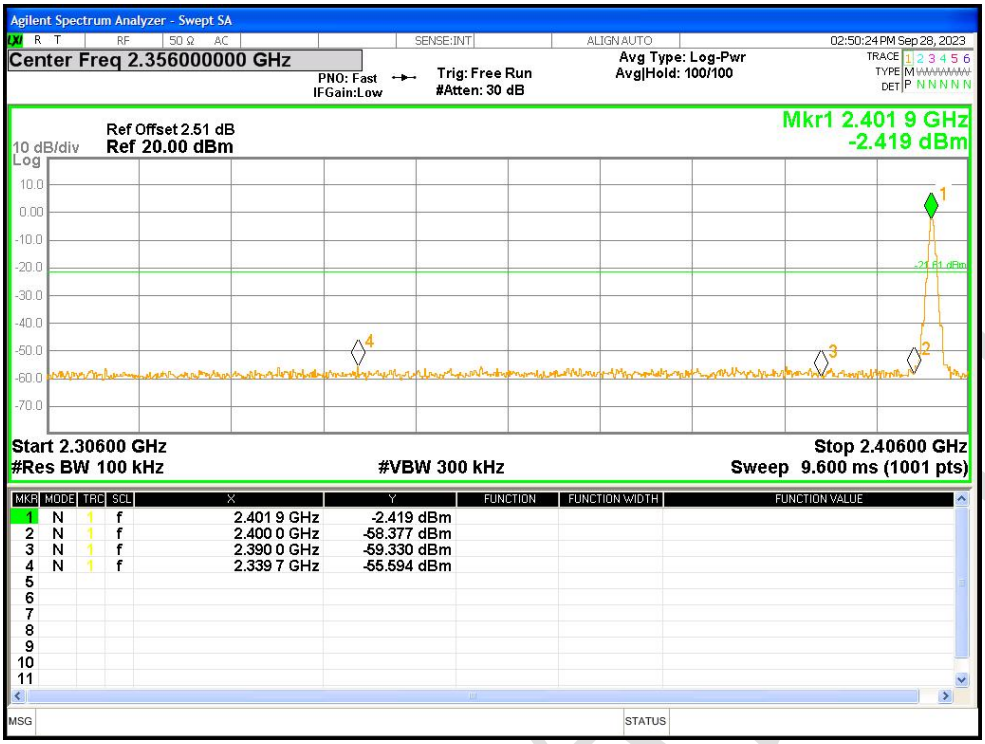
22.4 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-53.99	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-54.25	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-52.75	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-54.09	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-53.39	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-54.48	-20	Pass

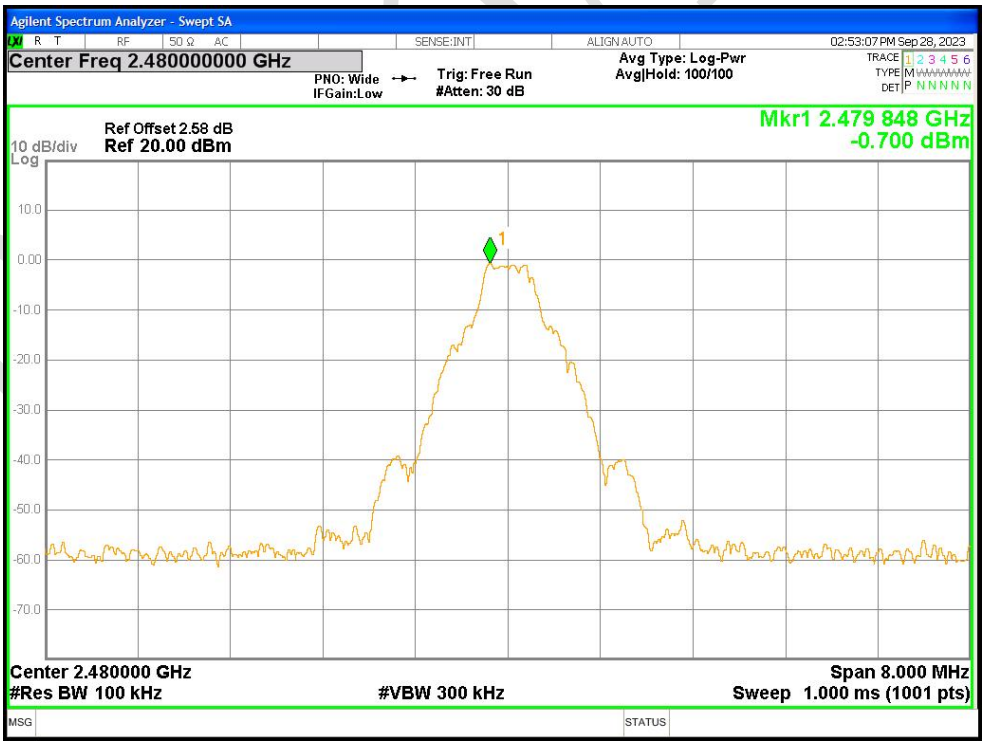
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



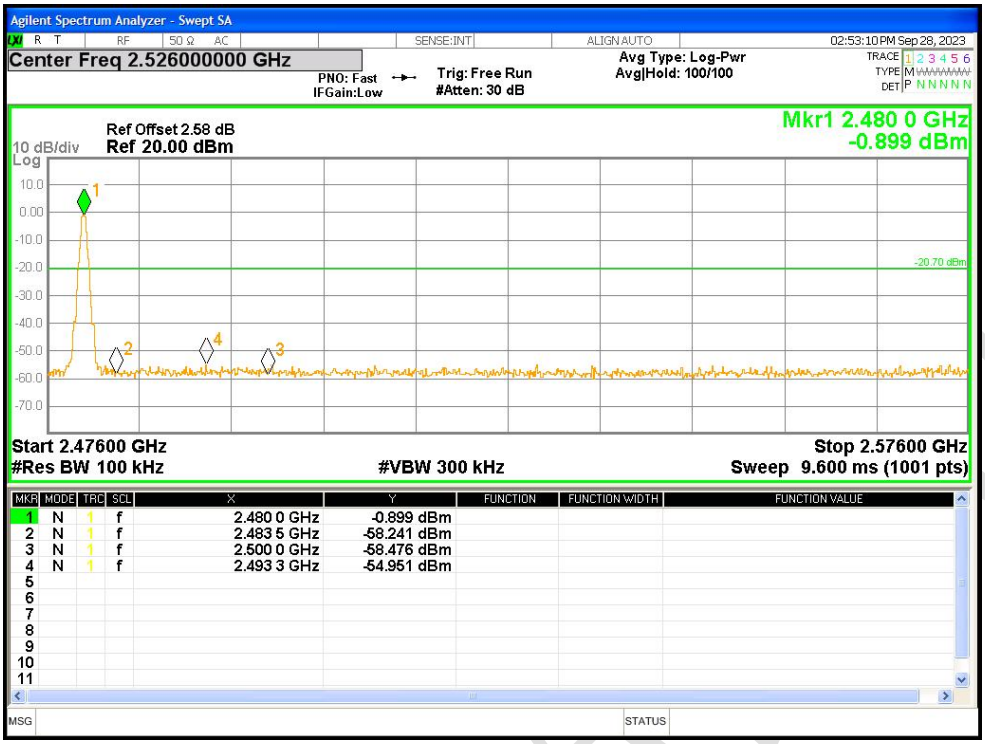
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



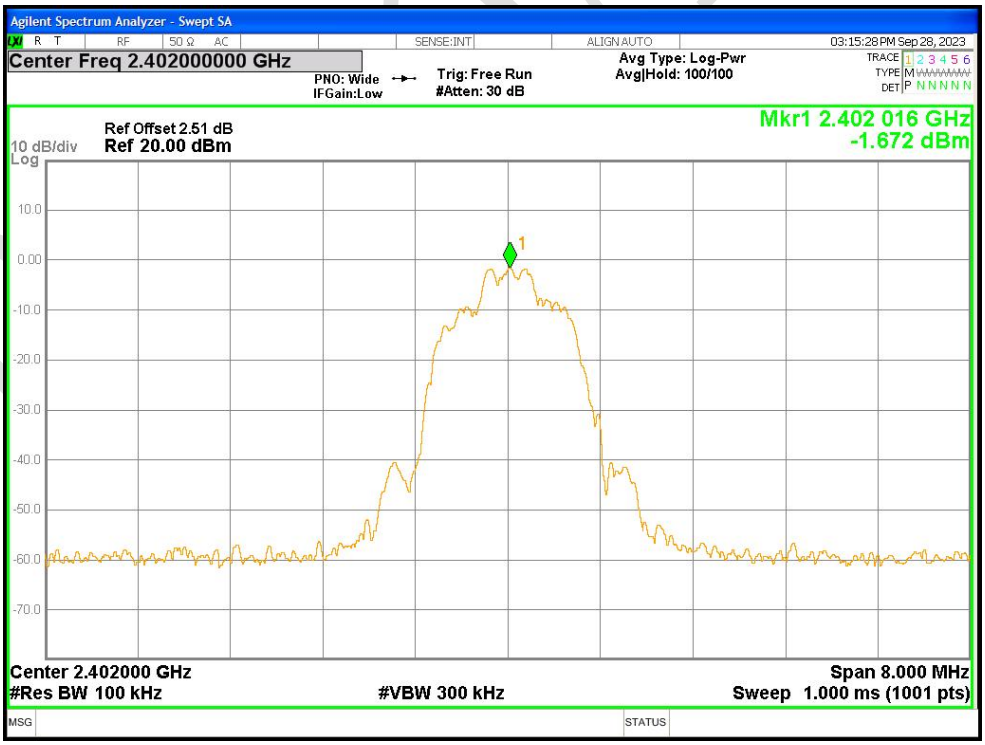
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



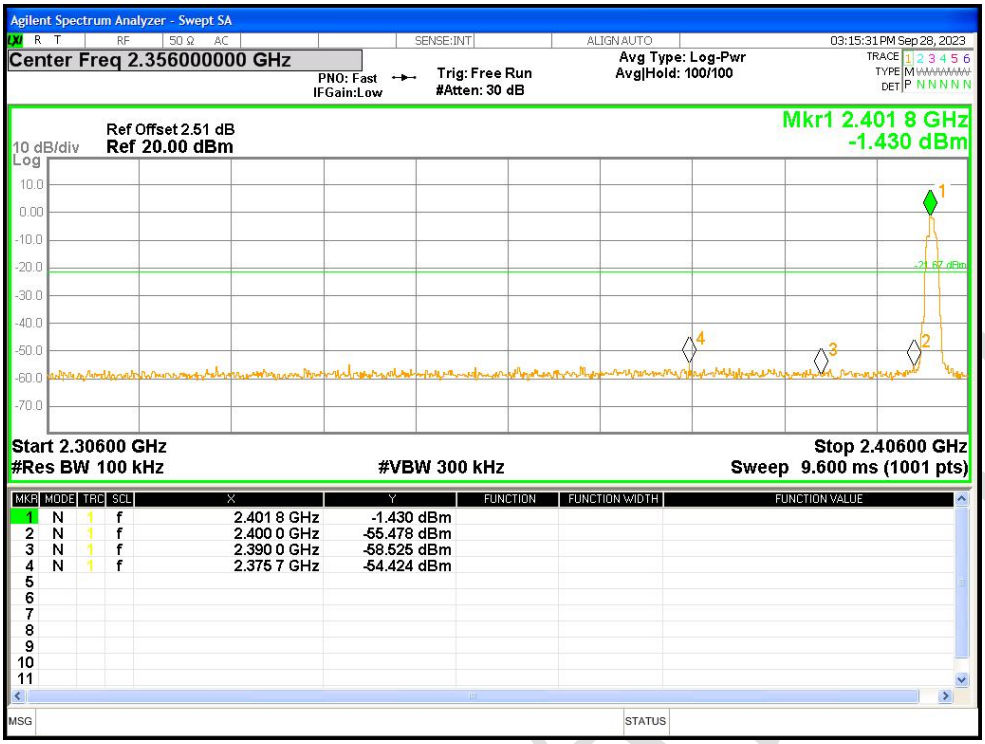
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



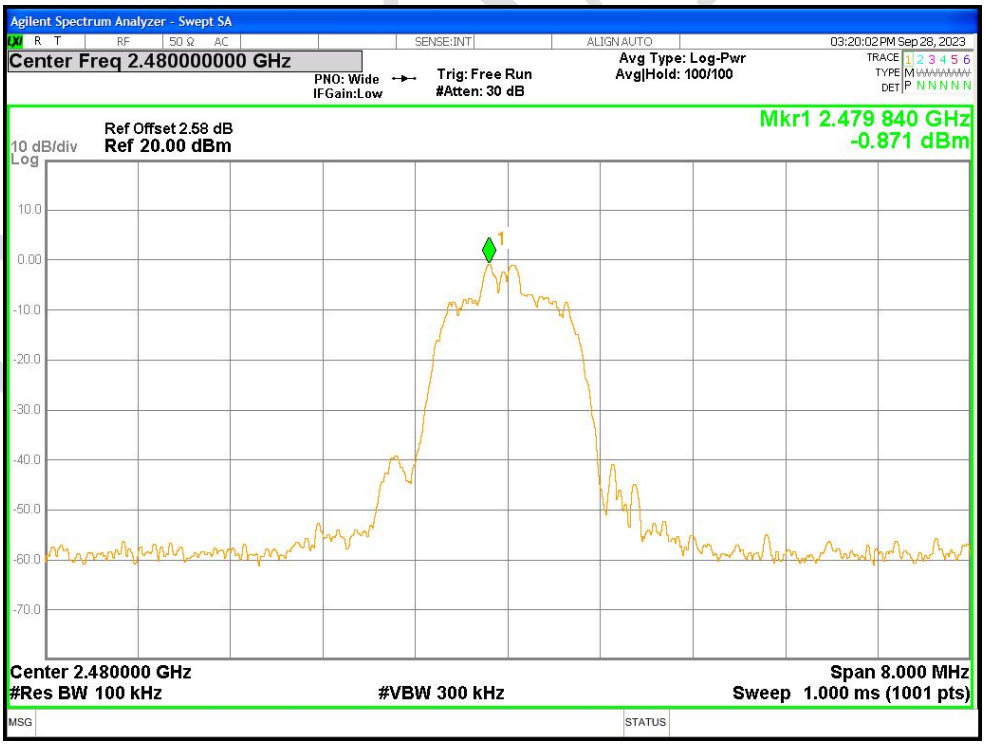
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



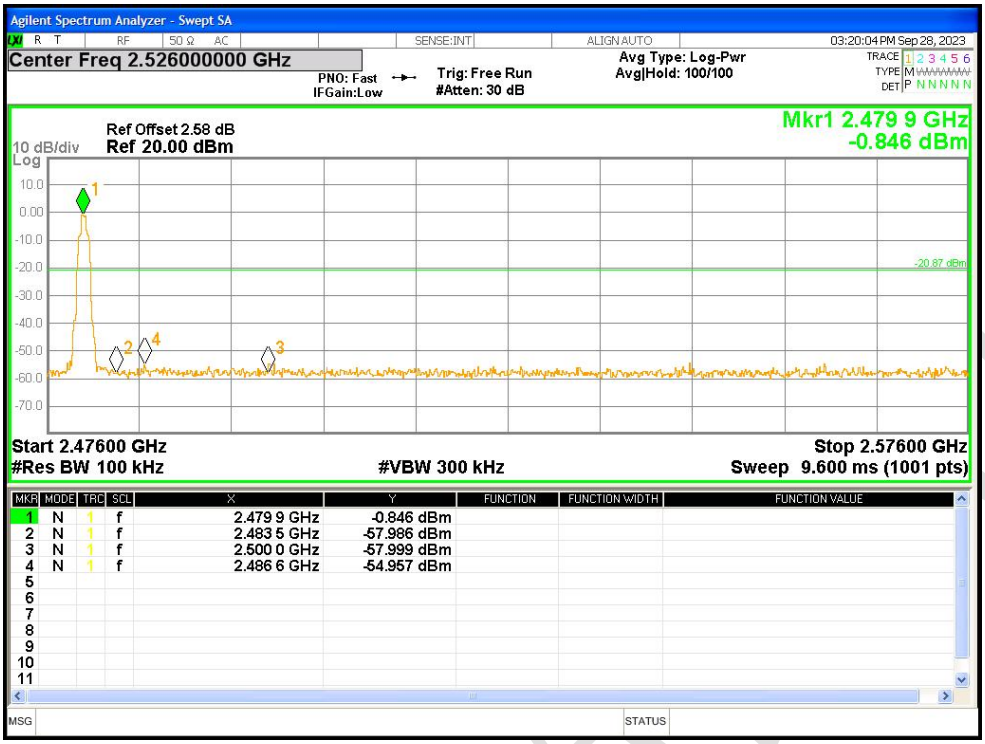
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



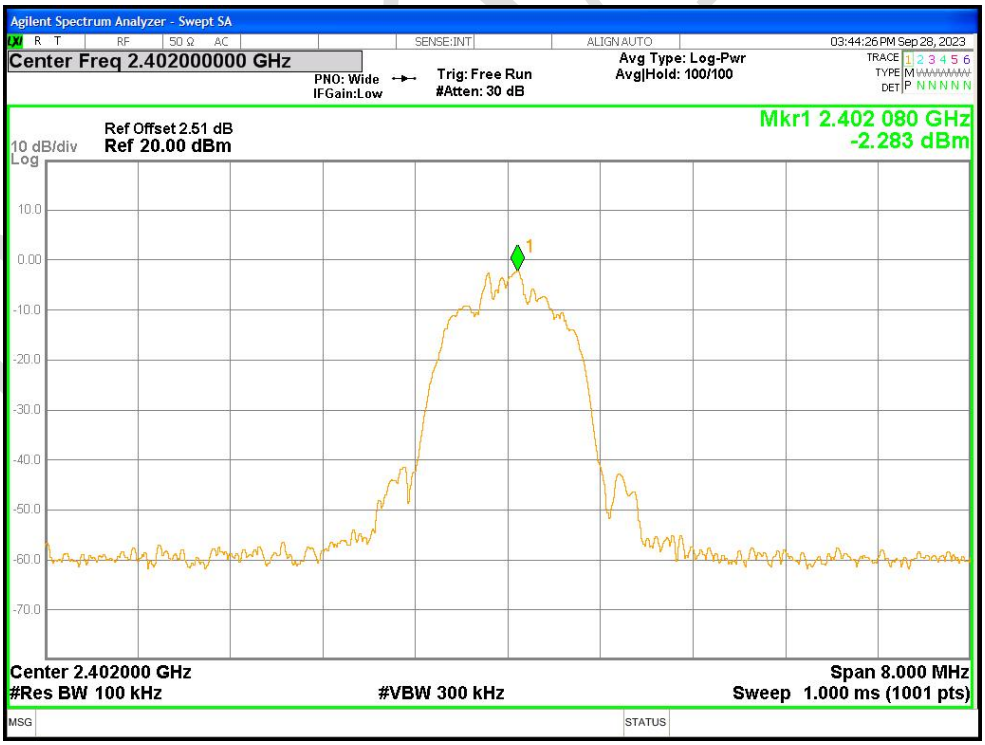
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



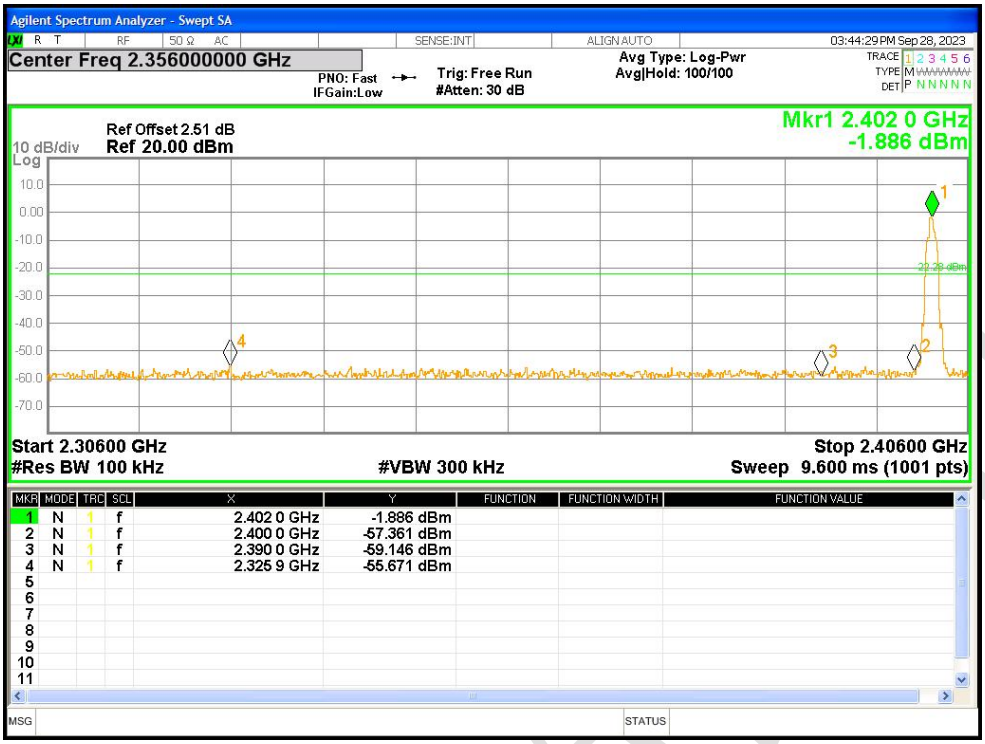
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



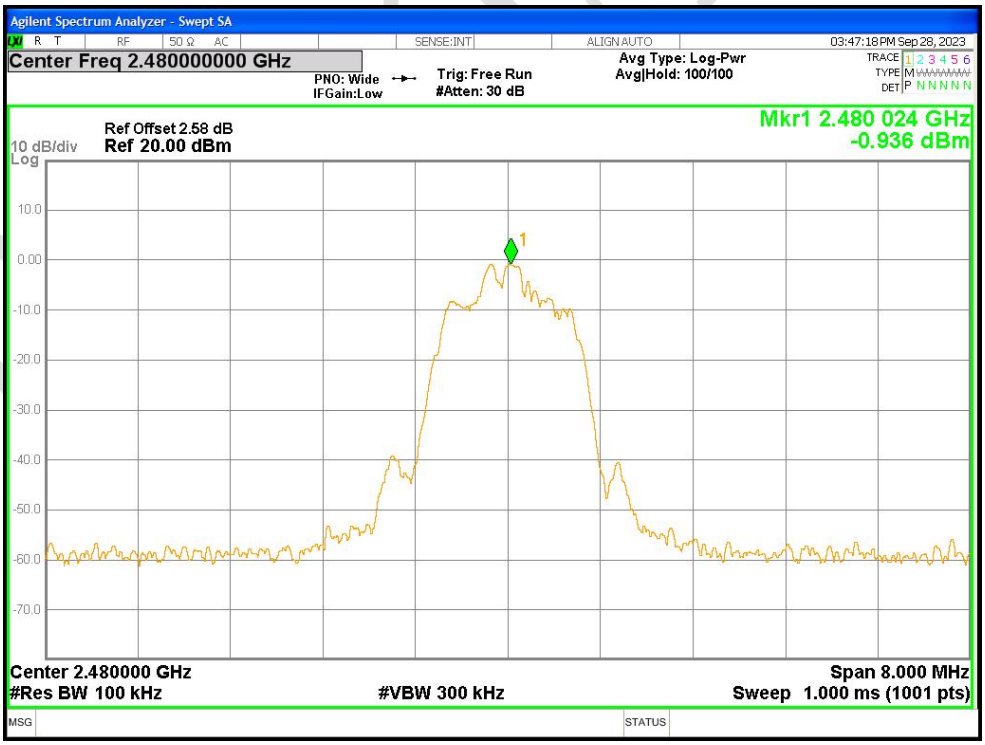
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



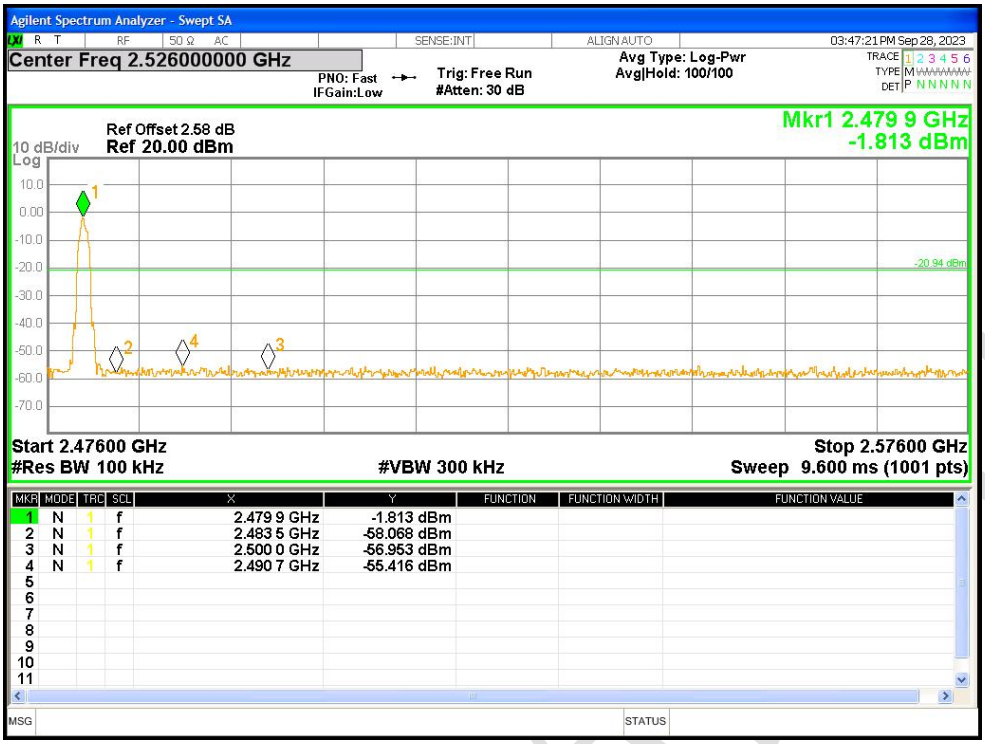
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



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



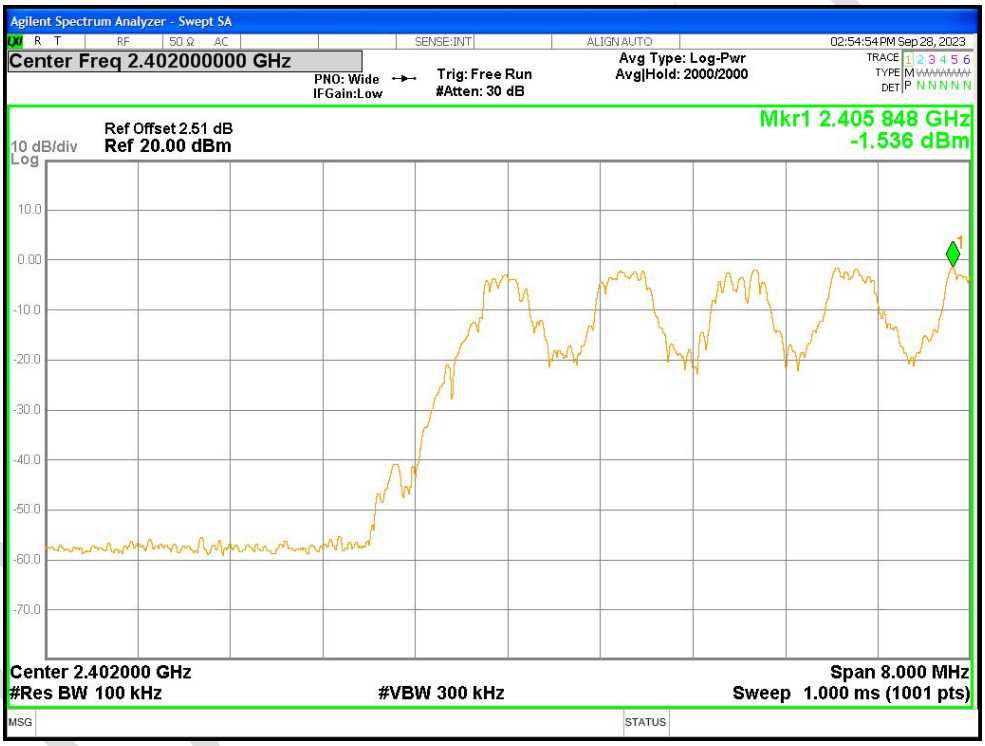
Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission



22.5 BAND EDGE(HOPPING)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-53.17	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-53.60	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-52.91	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-53.72	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-52.32	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-53.97	-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

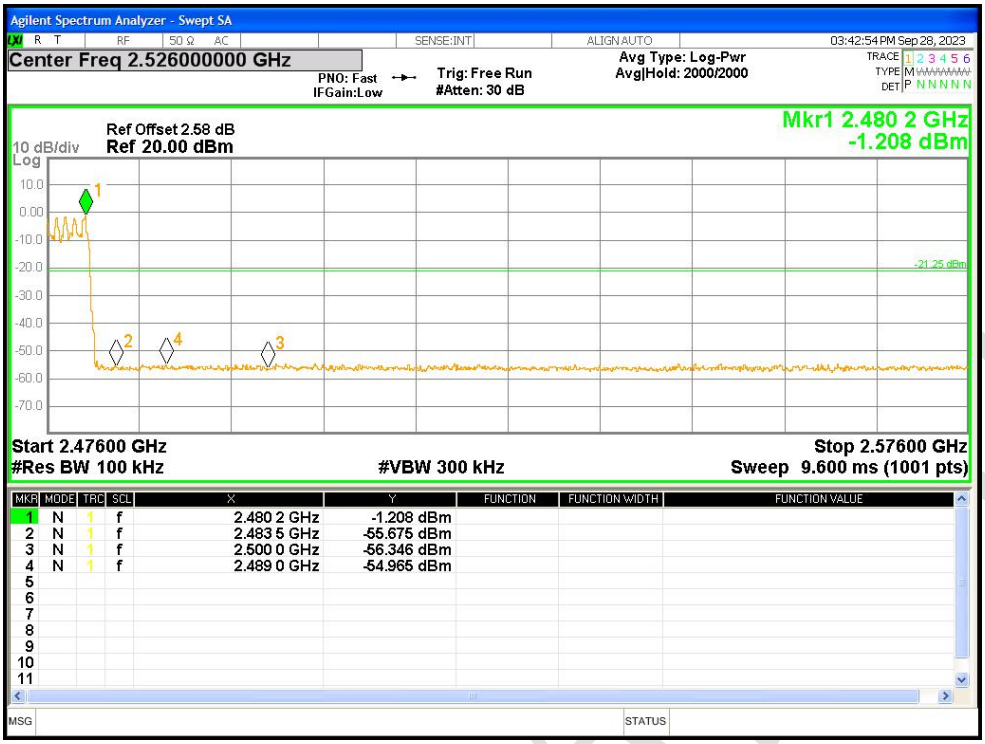
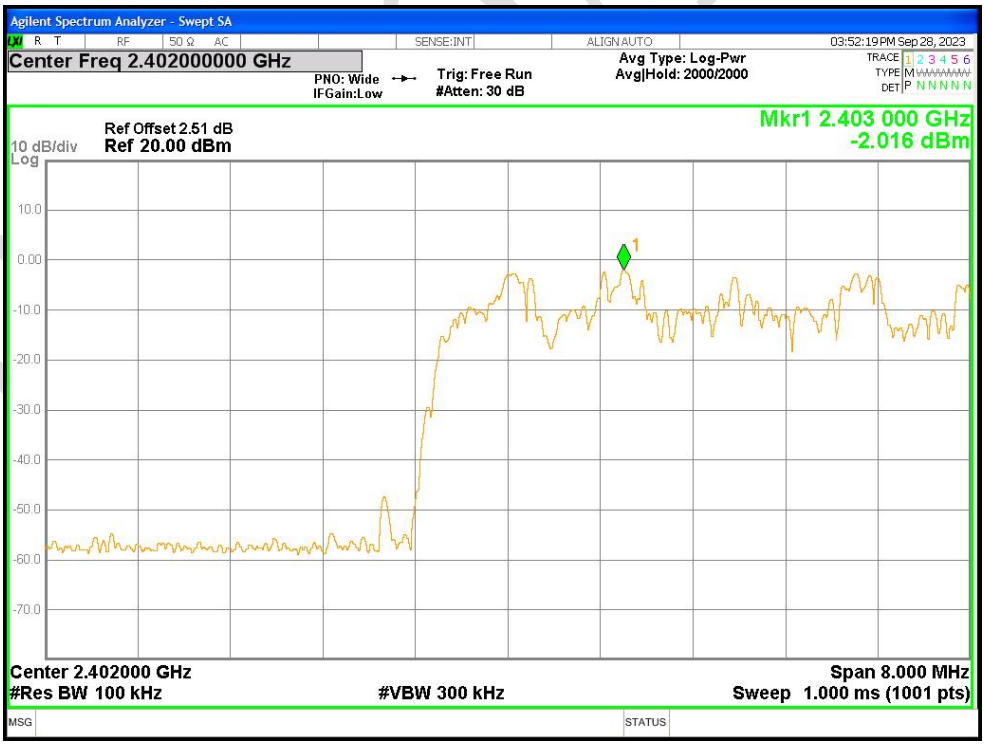
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission

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