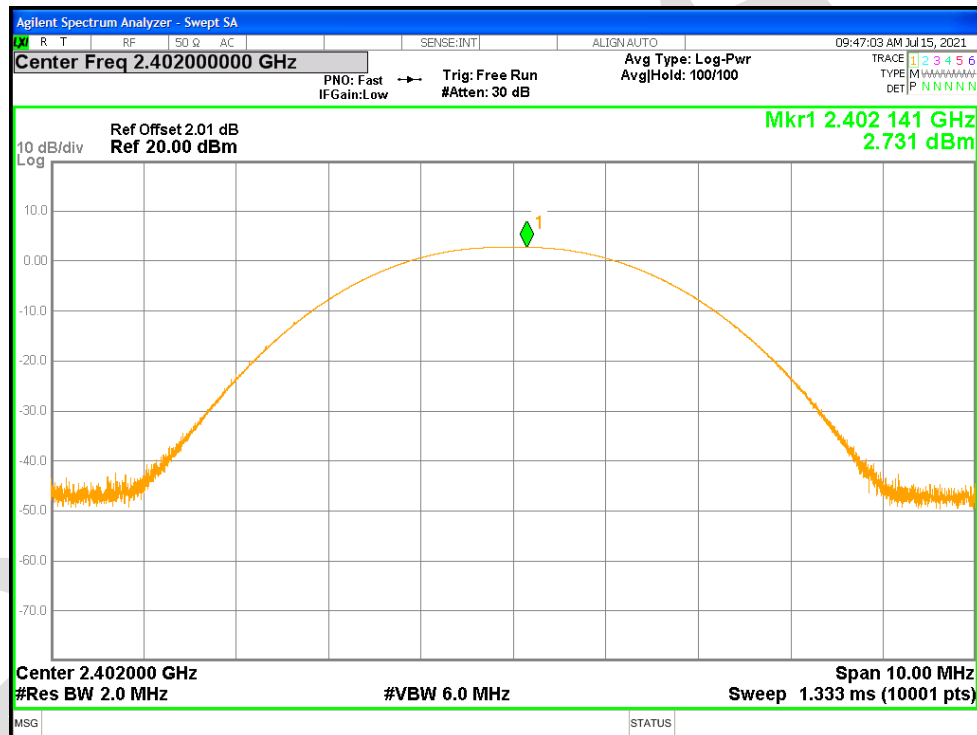


21 APPENDIX

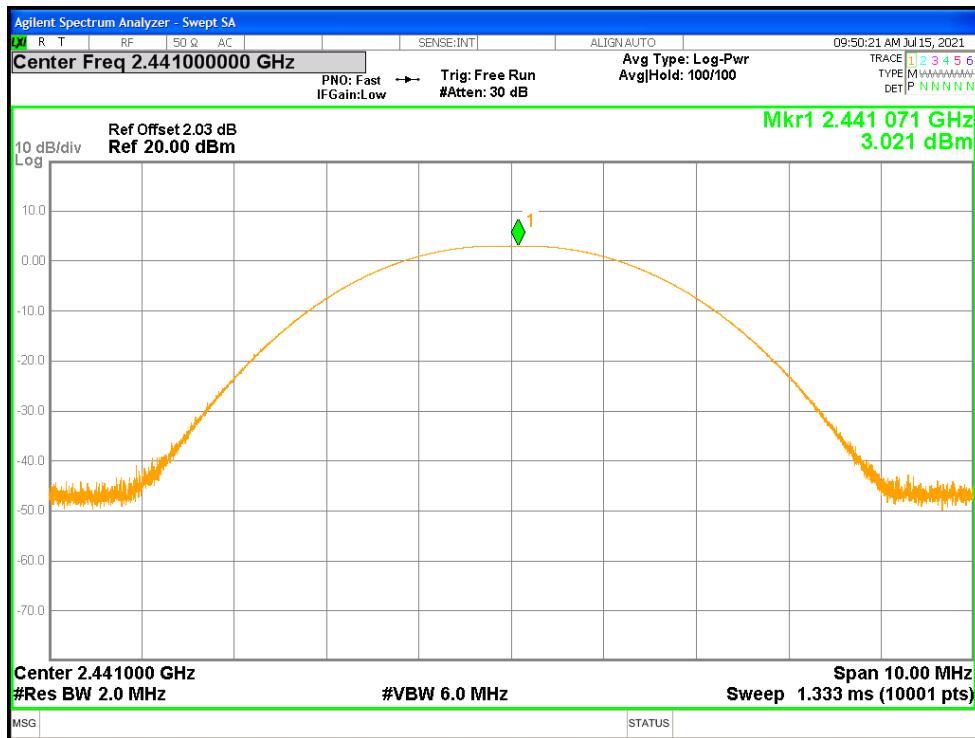
21.1 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	2.731	21	Pass
NVNT	1-DH1	2441	Ant1	3.021	21	Pass
NVNT	1-DH1	2480	Ant1	3.066	21	Pass
NVNT	2-DH1	2402	Ant1	5.15	21	Pass
NVNT	2-DH1	2441	Ant1	5.411	21	Pass
NVNT	2-DH1	2480	Ant1	5.427	21	Pass
NVNT	3-DH1	2402	Ant1	5.686	21	Pass
NVNT	3-DH1	2441	Ant1	5.777	21	Pass
NVNT	3-DH1	2480	Ant1	5.84	21	Pass

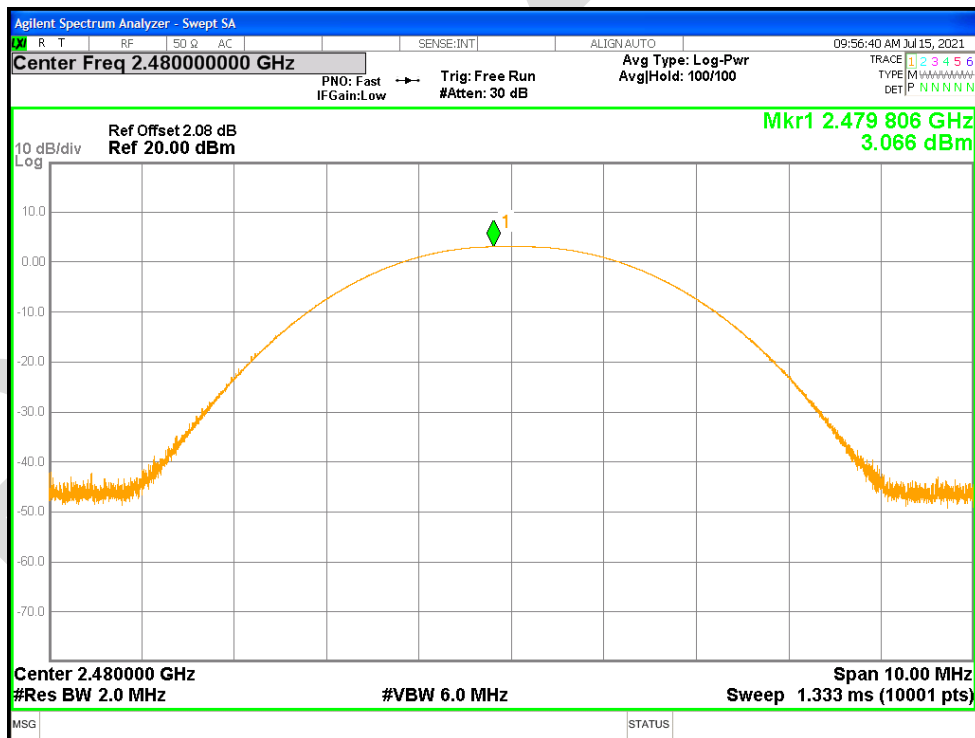
Power NVNT 1-DH1 2402MHz Ant1



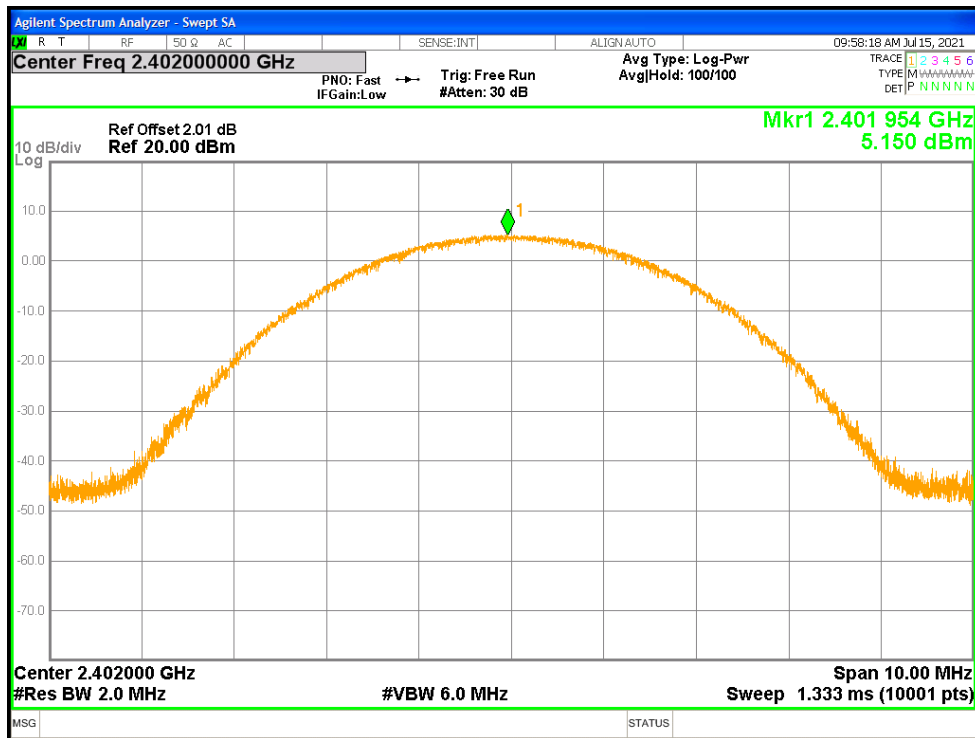
Power NVNT 1-DH1 2441MHz Ant1



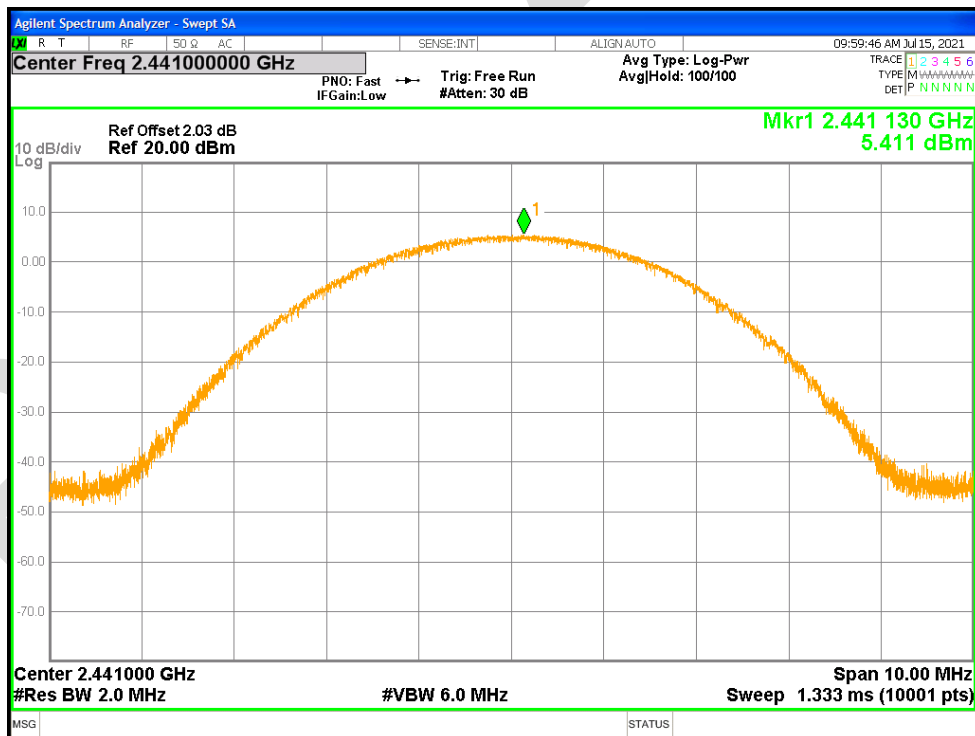
Power NVNT 1-DH1 2480MHz Ant1



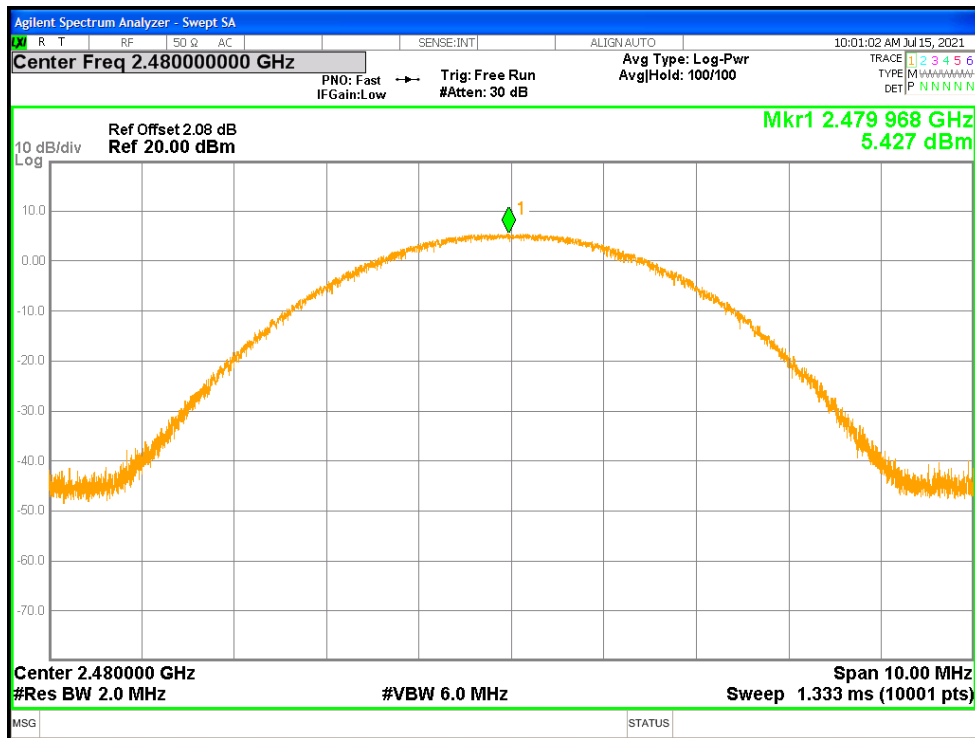
Power NVNT 2-DH1 2402MHz Ant1



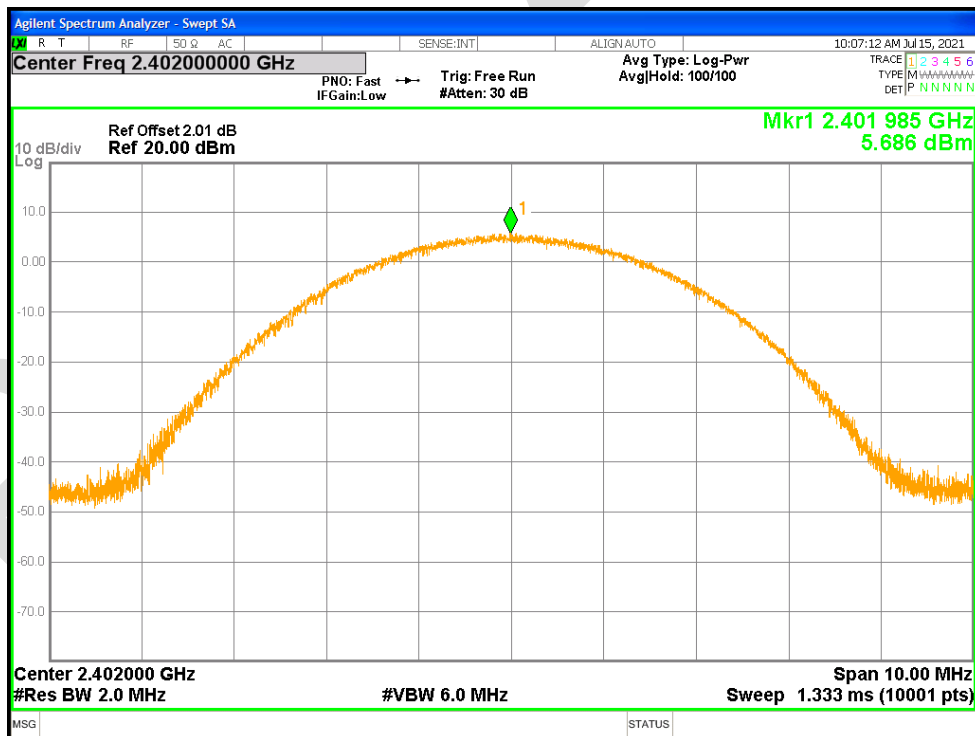
Power NVNT 2-DH1 2441MHz Ant1



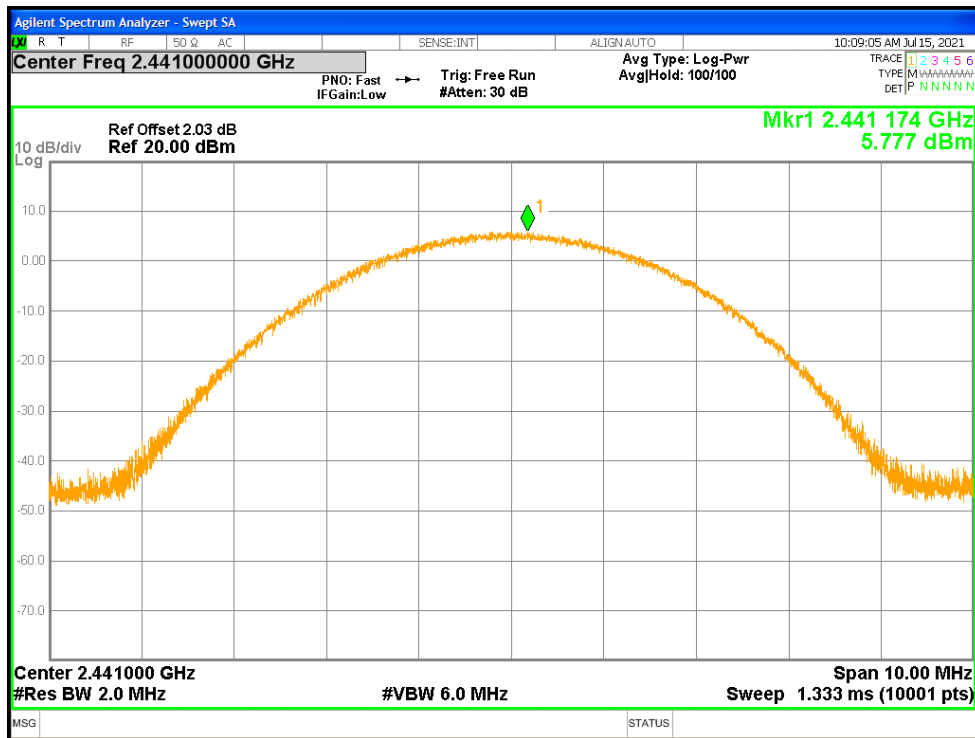
Power NVNT 2-DH1 2480MHz Ant1



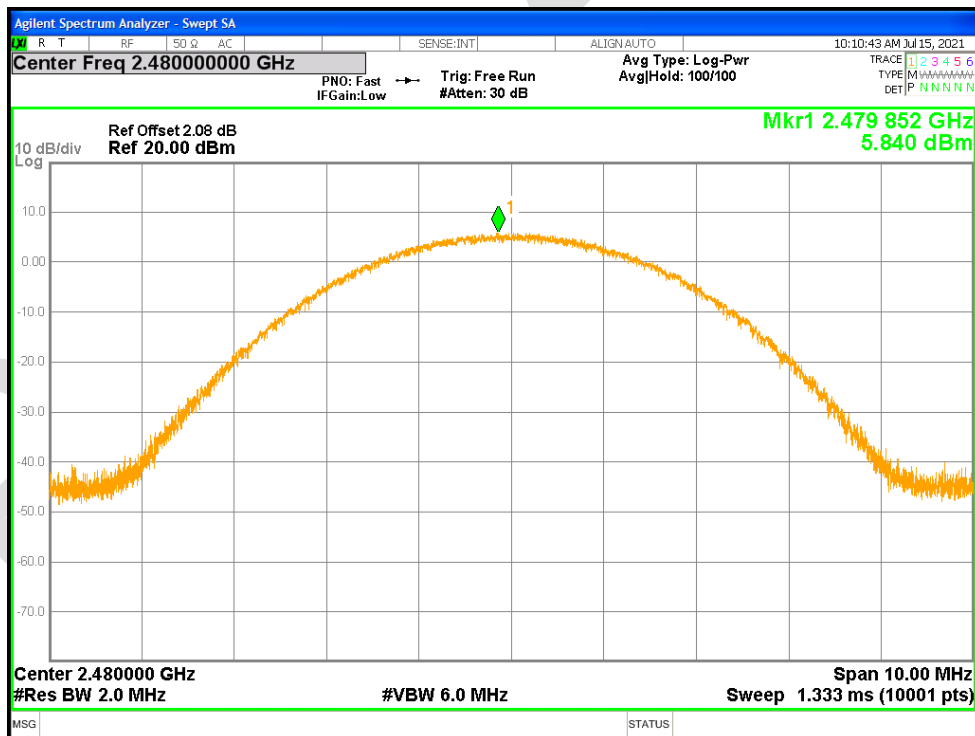
Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



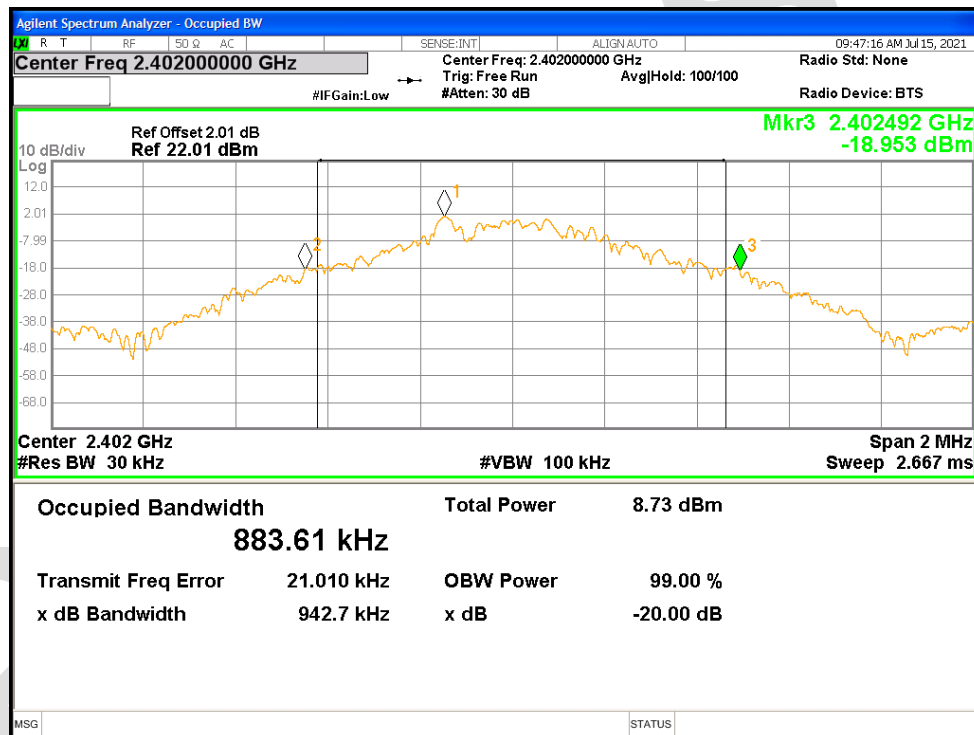
Power NVNT 3-DH1 2480MHz Ant1



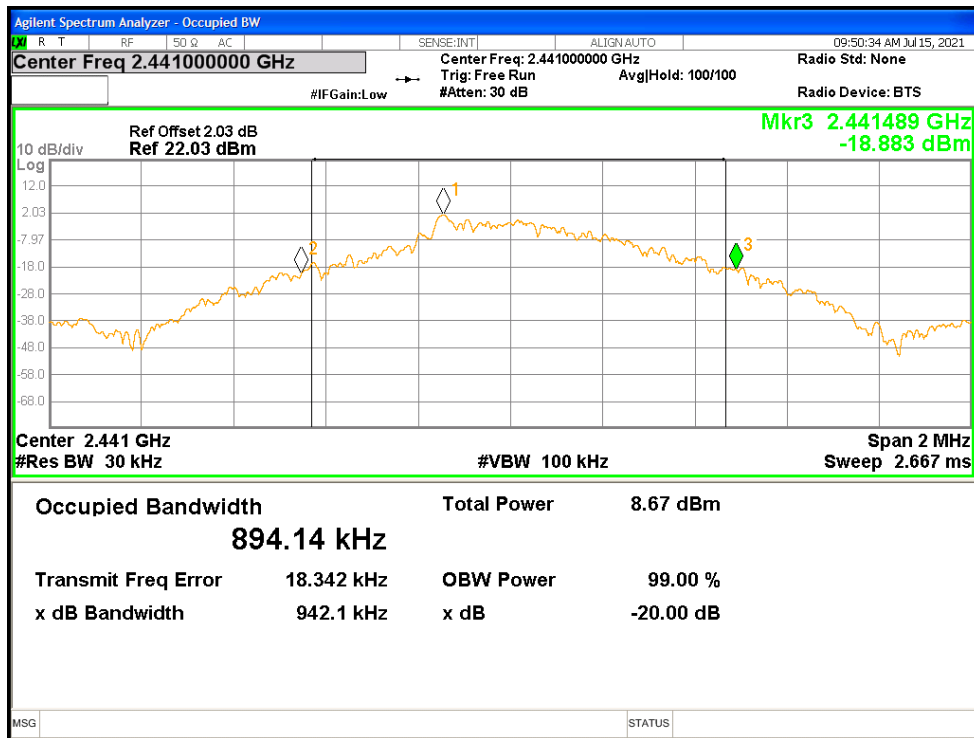
21.2 -20DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.943	0	Pass
NVNT	1-DH1	2441	Ant1	0.942	0	Pass
NVNT	1-DH1	2480	Ant1	0.937	0	Pass
NVNT	2-DH1	2402	Ant1	1.282	0	Pass
NVNT	2-DH1	2441	Ant1	1.261	0	Pass
NVNT	2-DH1	2480	Ant1	1.278	0	Pass
NVNT	3-DH1	2402	Ant1	1.281	0	Pass
NVNT	3-DH1	2441	Ant1	1.286	0	Pass
NVNT	3-DH1	2480	Ant1	1.276	0	Pass

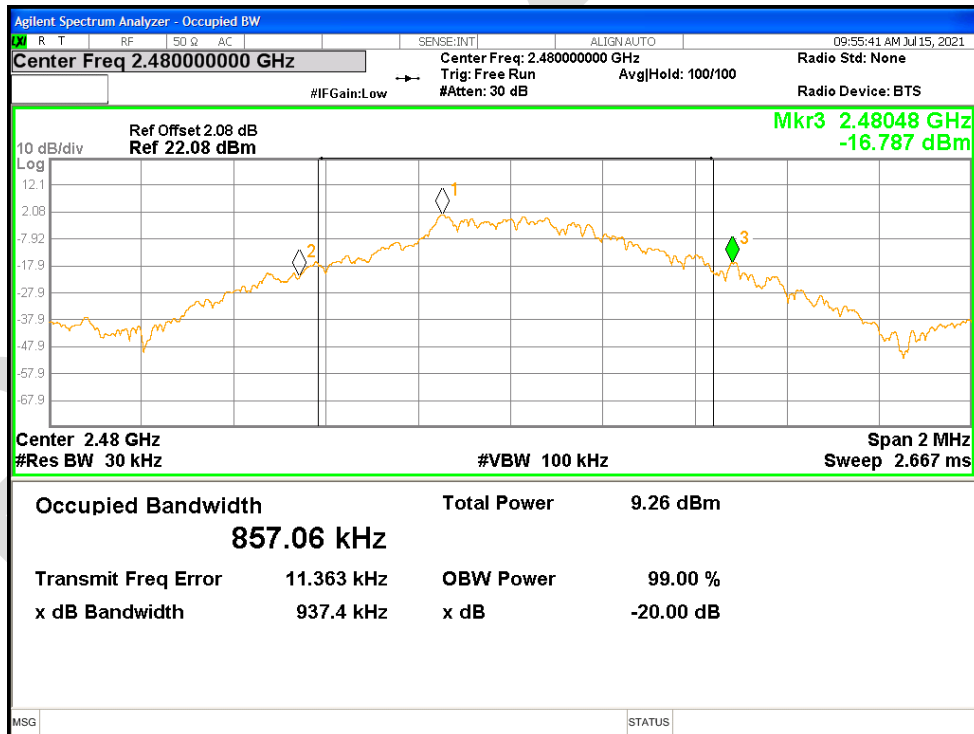
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



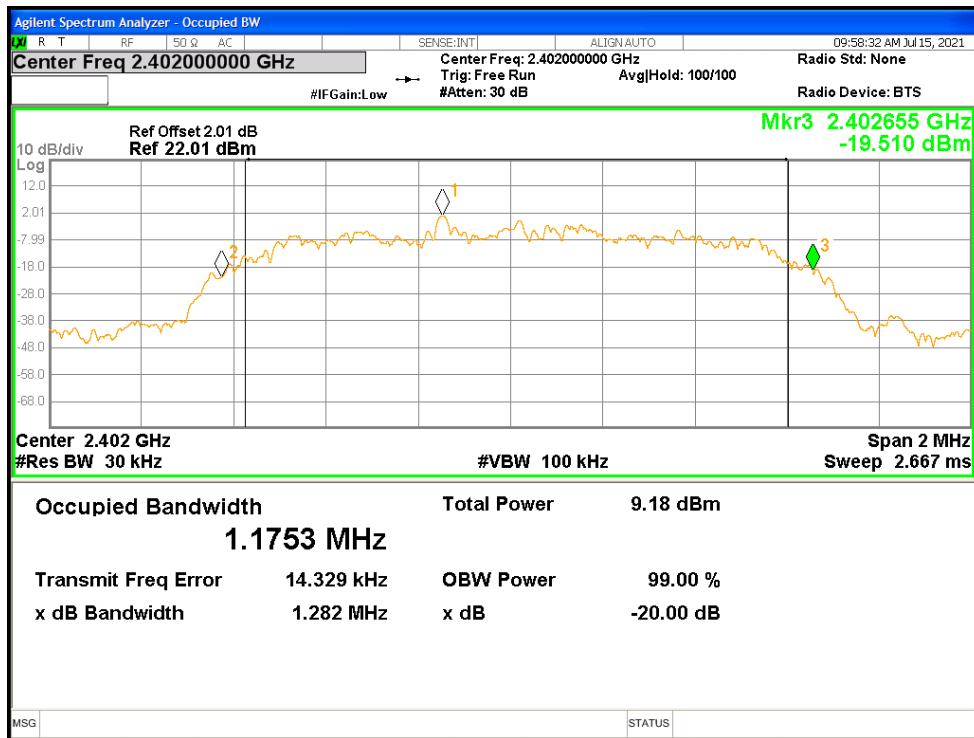
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



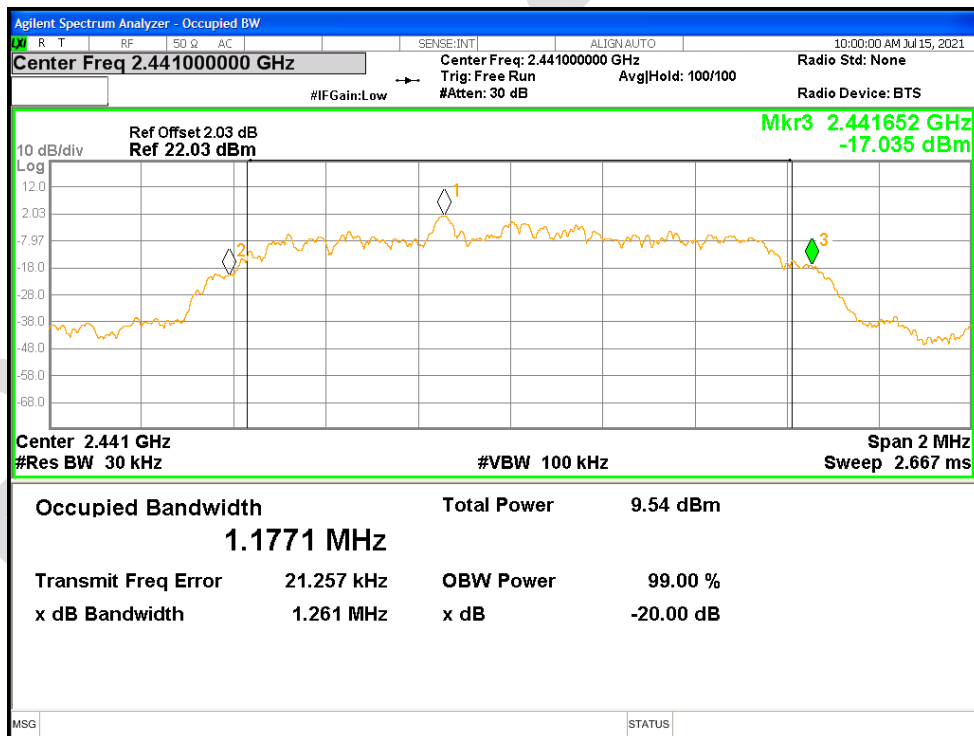
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



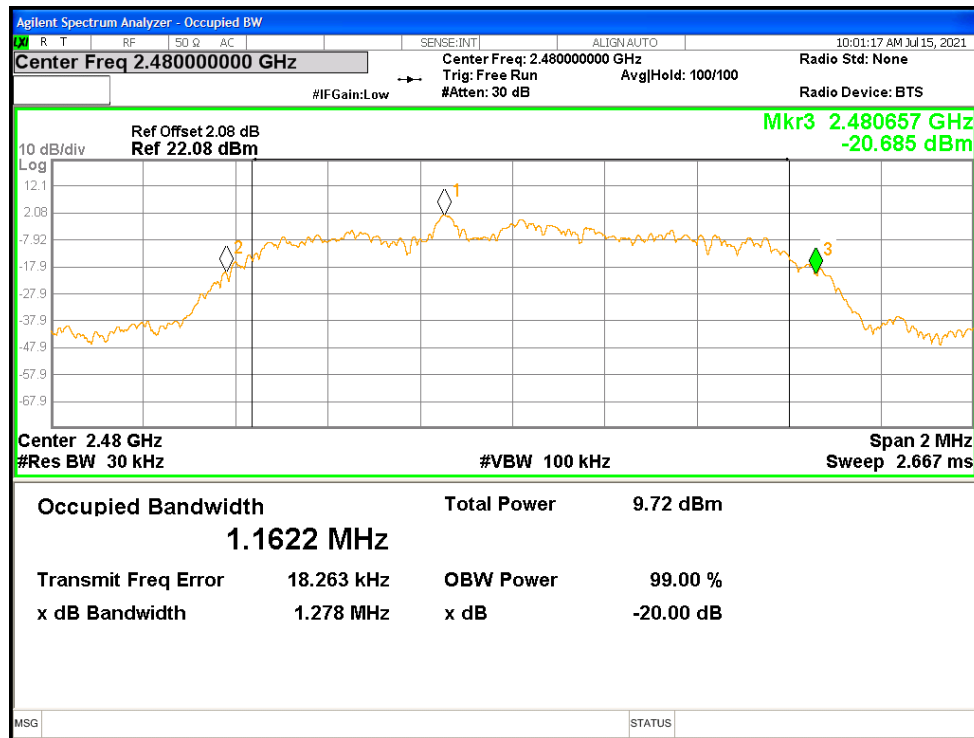
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



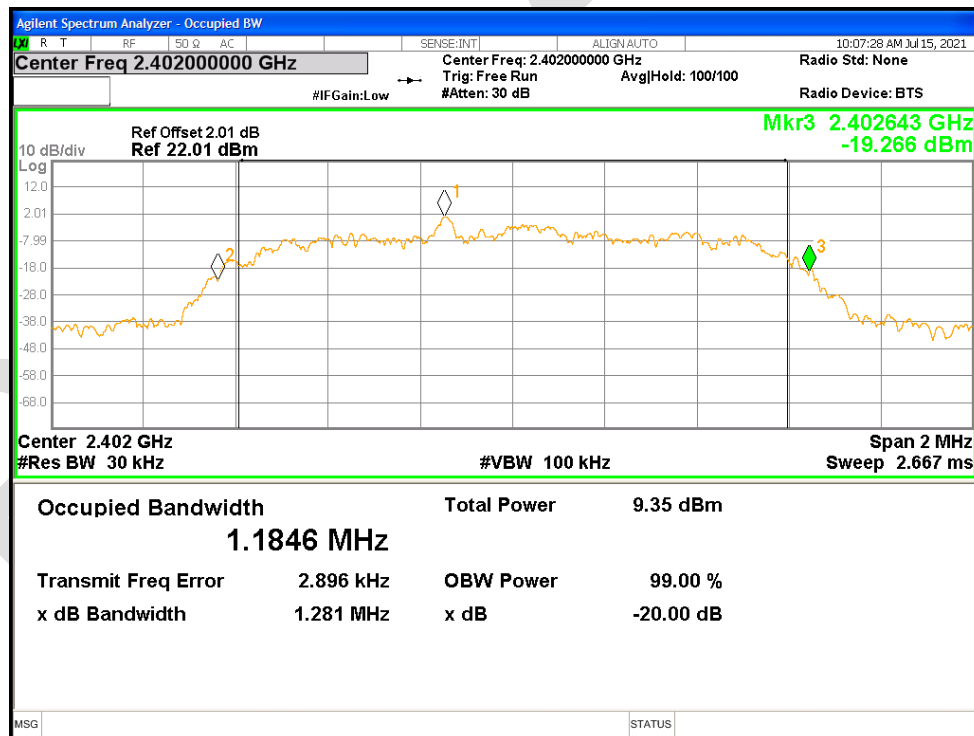
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



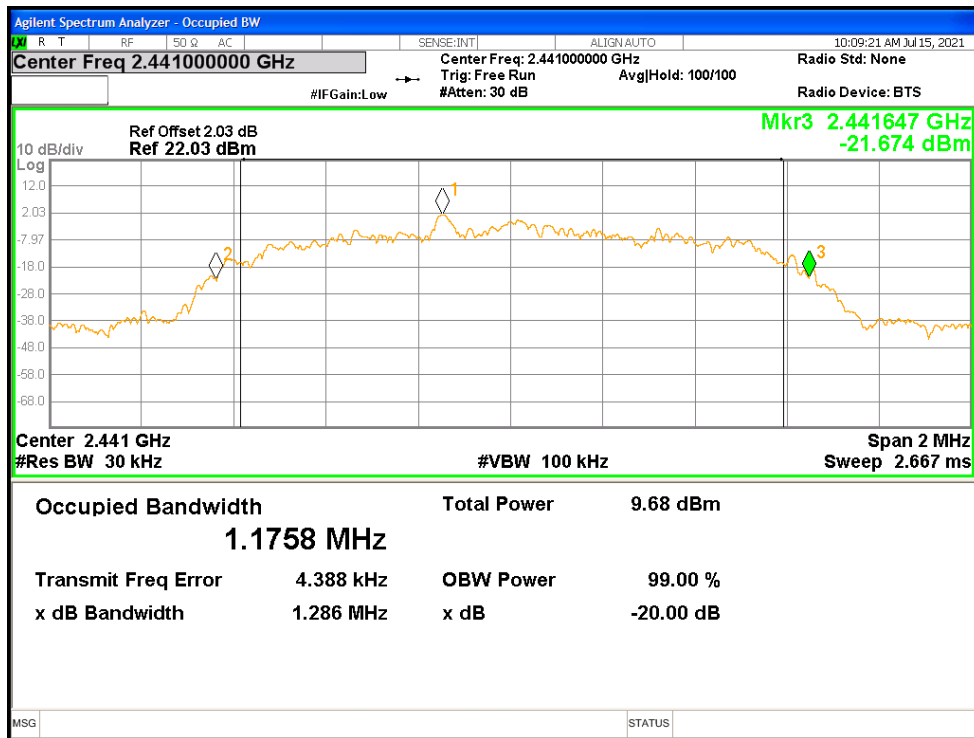
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1



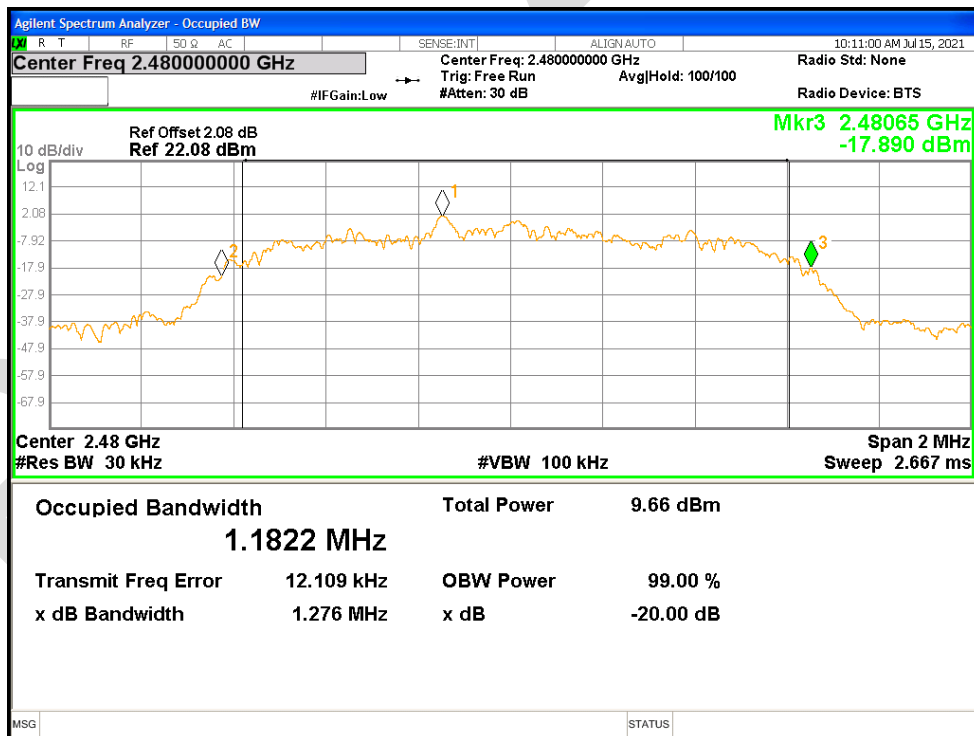
-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



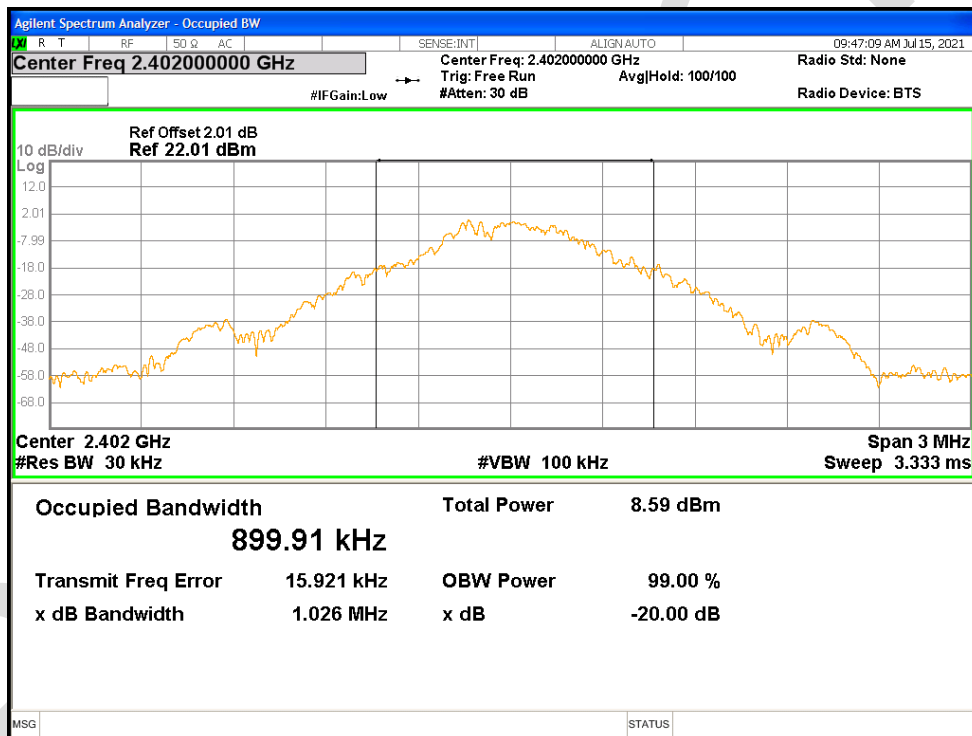
-20dB Bandwidth NVNT 3-DH1 2480MHz Ant1



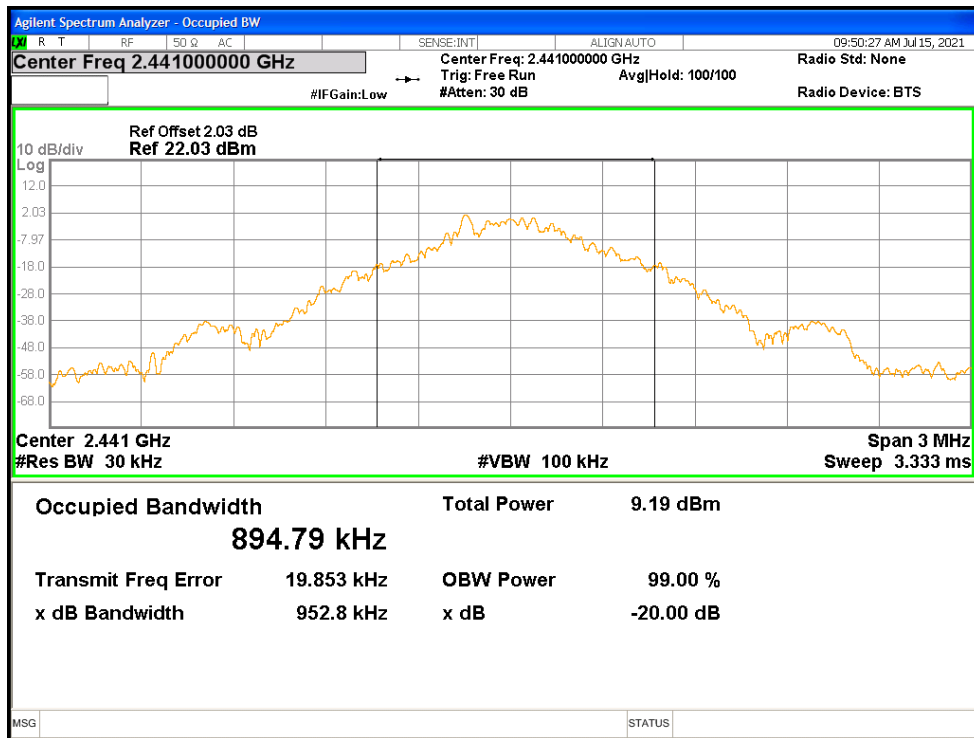
21.3 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.8999098818
NVNT	1-DH1	2441	Ant1	0.8947948802
NVNT	1-DH1	2480	Ant1	0.856461022
NVNT	2-DH1	2402	Ant1	1.159132993
NVNT	2-DH1	2441	Ant1	1.168105467
NVNT	2-DH1	2480	Ant1	1.177065631
NVNT	3-DH1	2402	Ant1	1.168636034
NVNT	3-DH1	2441	Ant1	1.152680351
NVNT	3-DH1	2480	Ant1	1.163238772

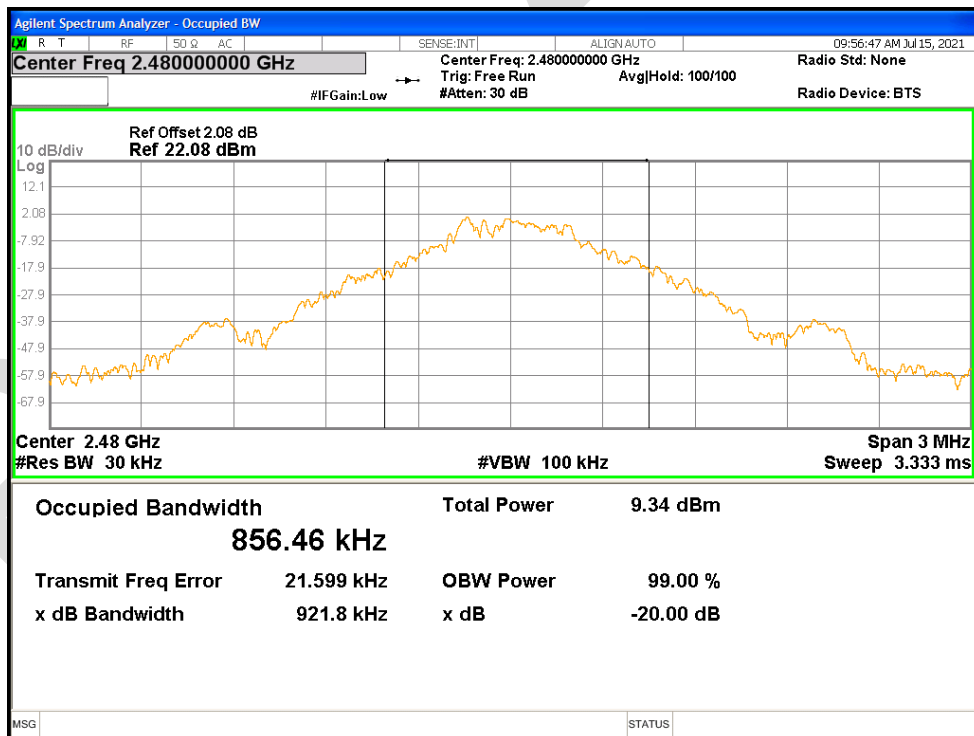
OBW NVNT 1-DH1 2402MHz Ant1



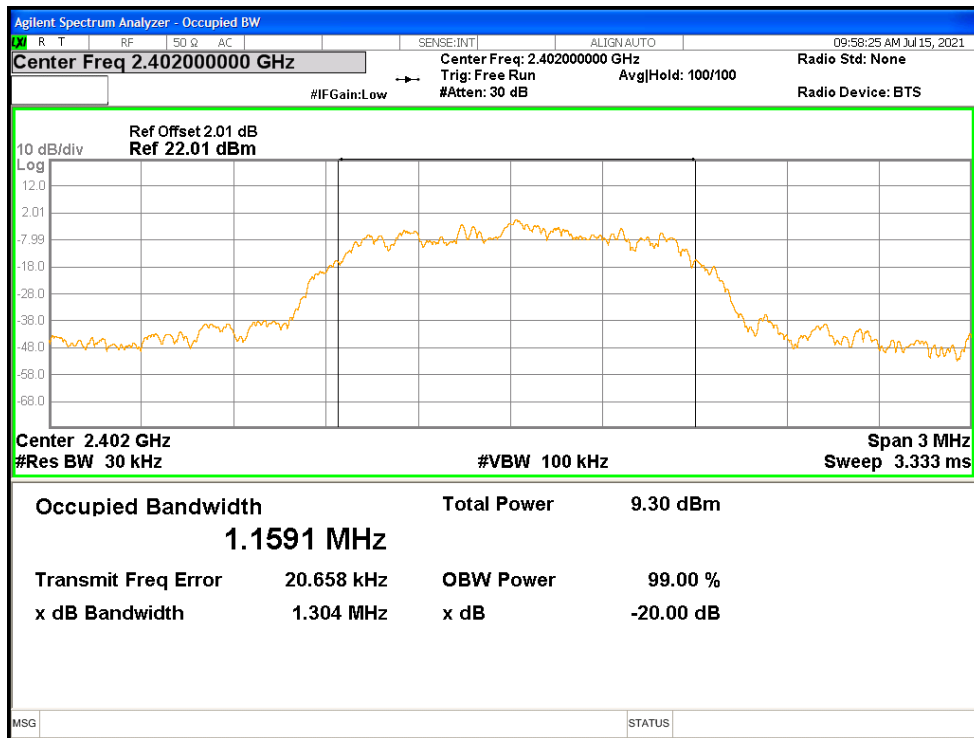
OBW NVNT 1-DH1 2441MHz Ant1



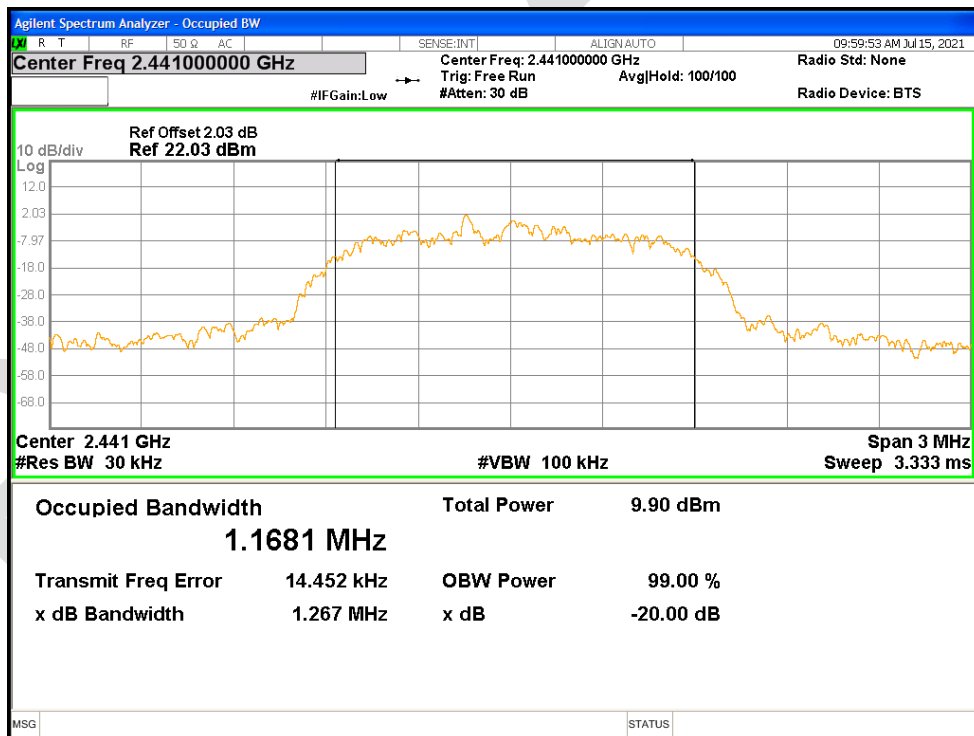
OBW NVNT 1-DH1 2480MHz Ant1



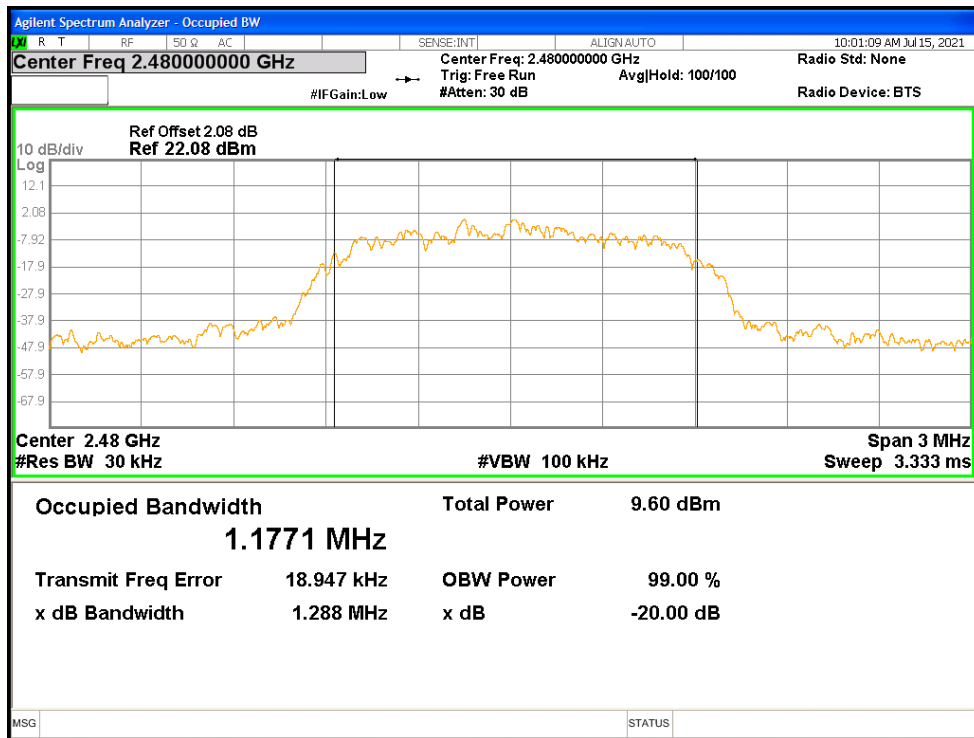
OBW NVNT 2-DH1 2402MHz Ant1



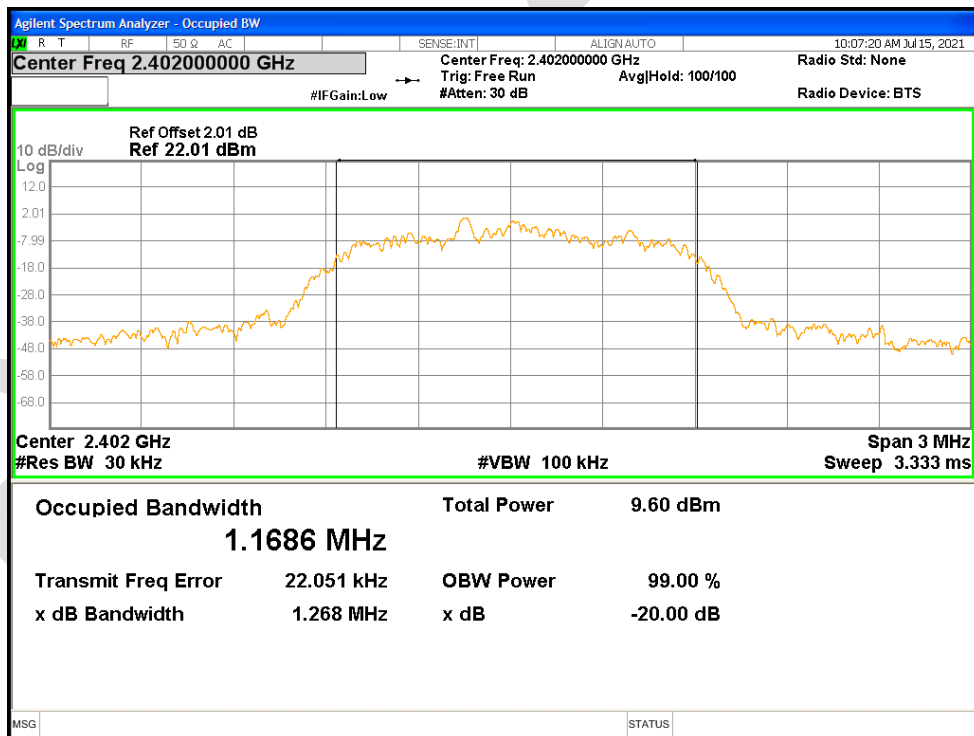
OBW NVNT 2-DH1 2441MHz Ant1



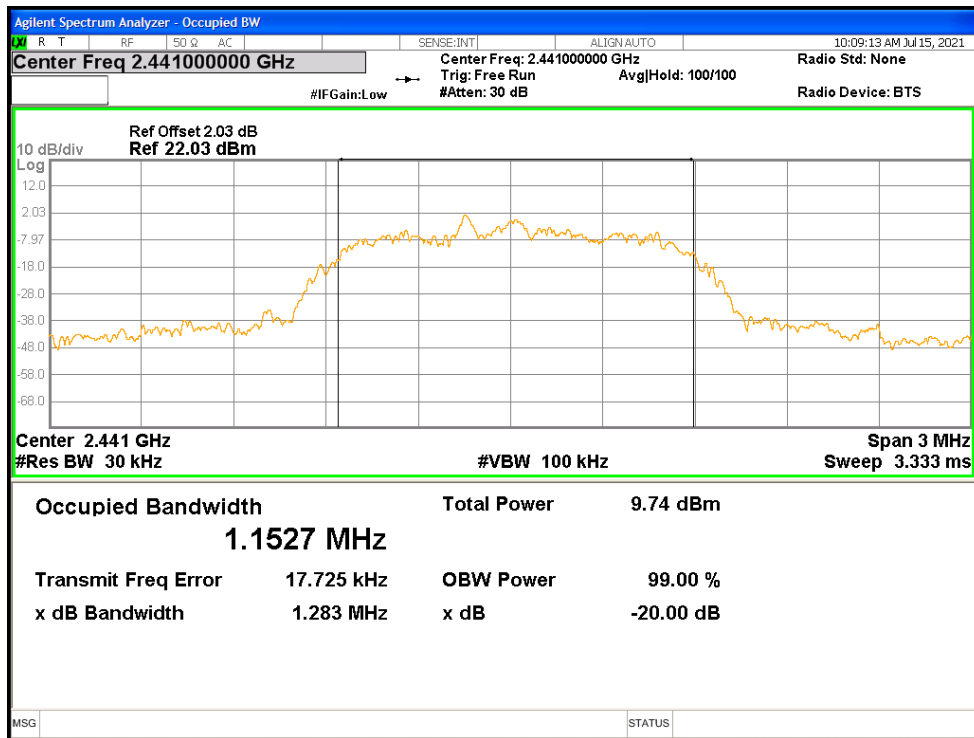
OBW NVNT 2-DH1 2480MHz Ant1



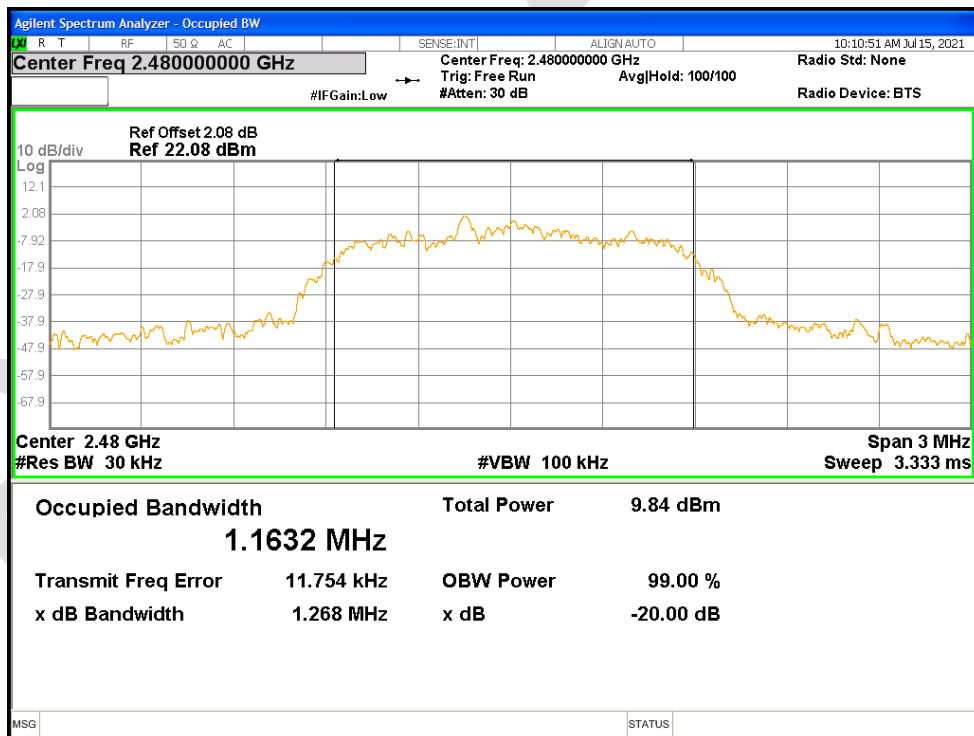
OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



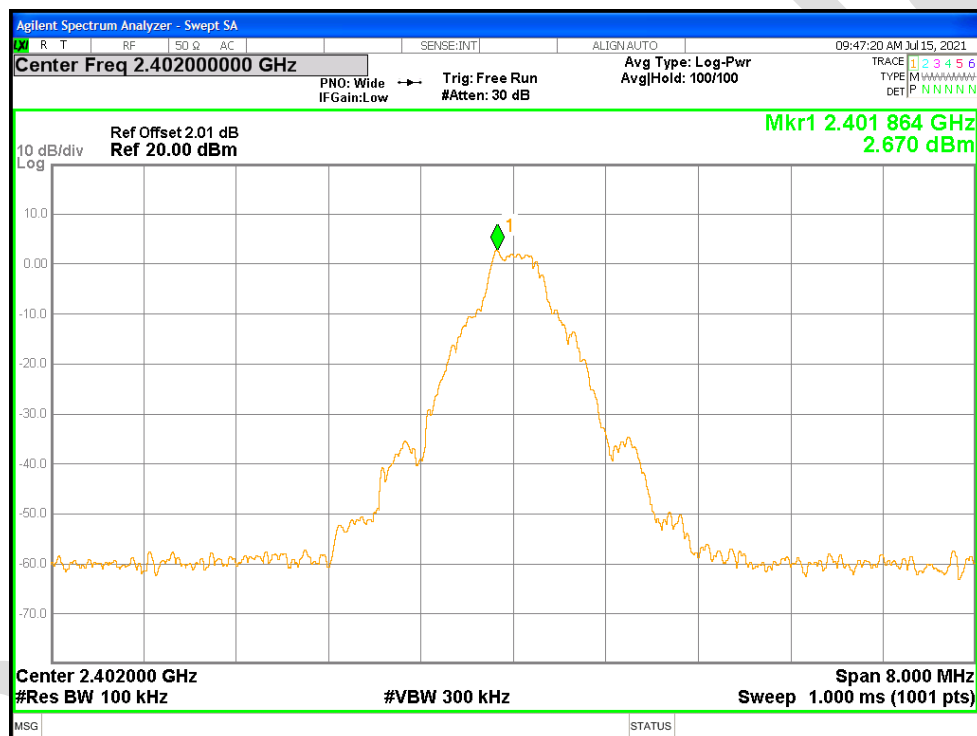
OBW NVNT 3-DH1 2480MHz Ant1



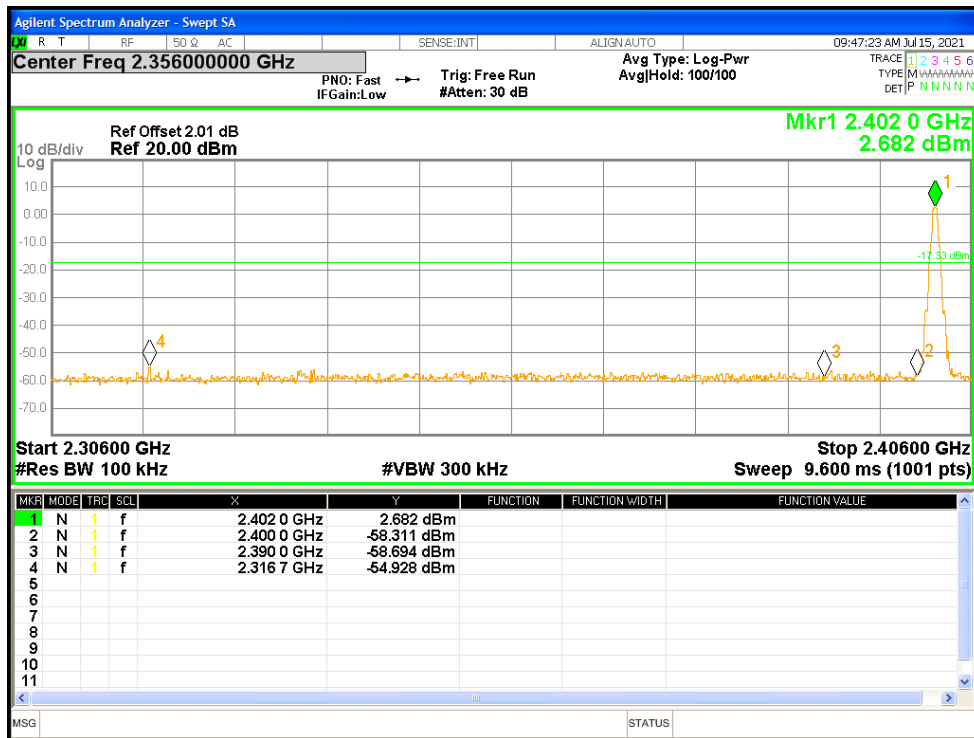
21.4 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-57.59	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-57.98	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-57.74	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-56.81	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-56.94	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-56.39	-20	Pass

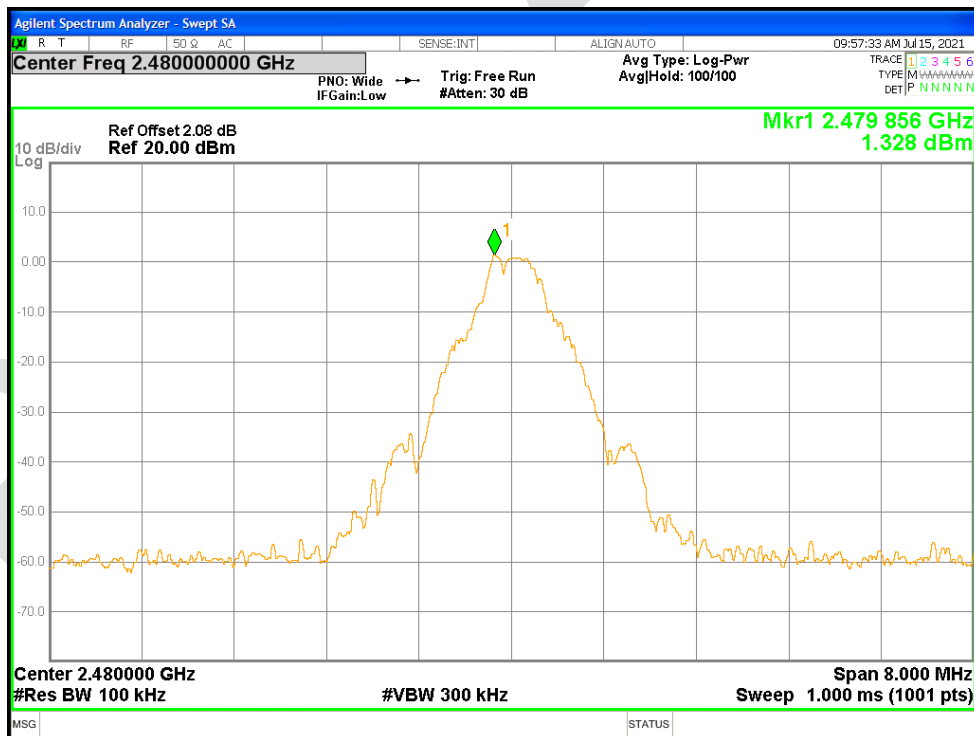
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



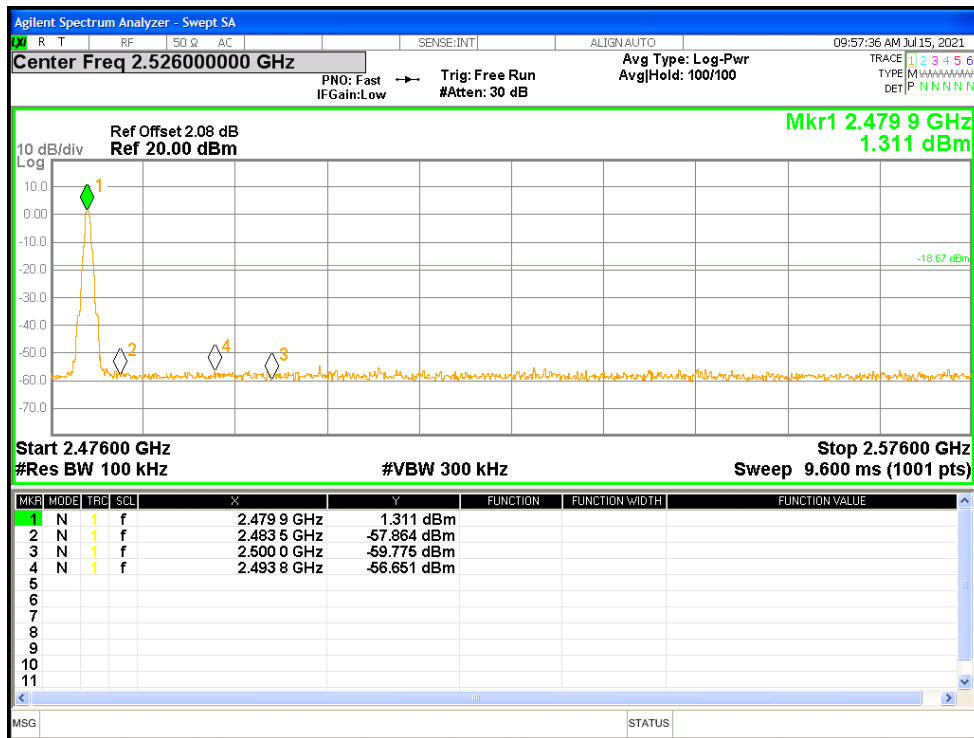
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



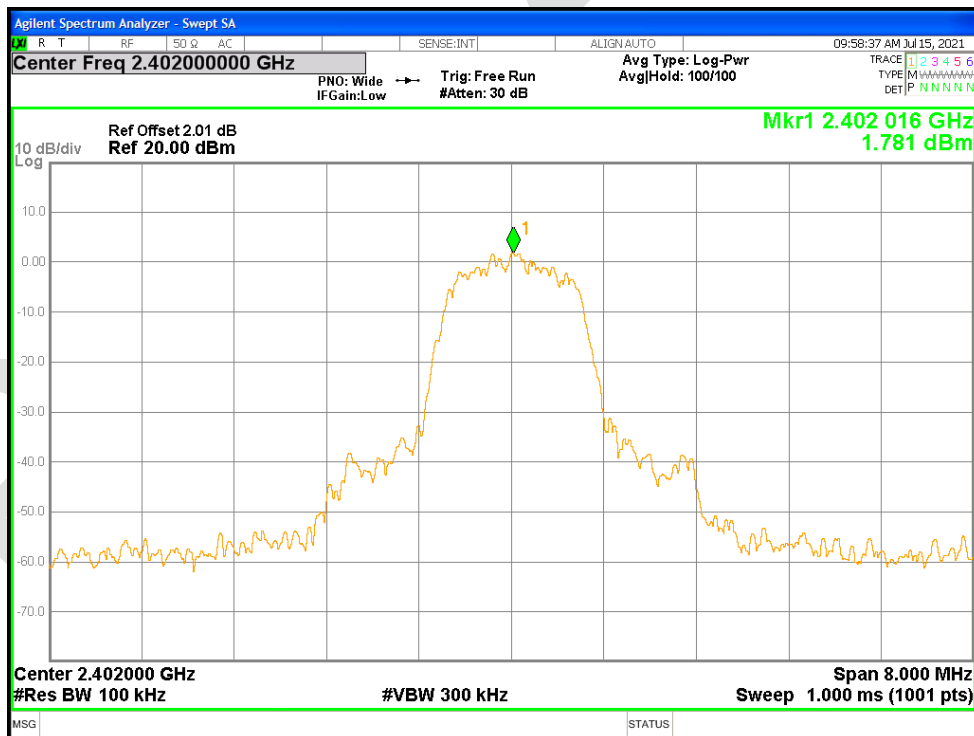
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



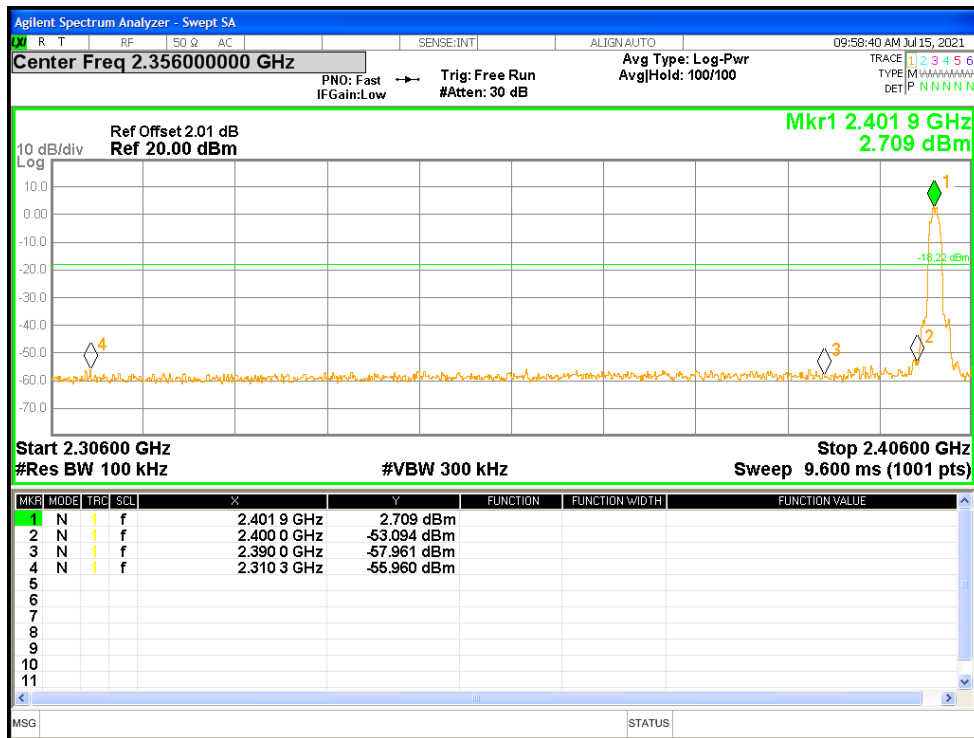
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



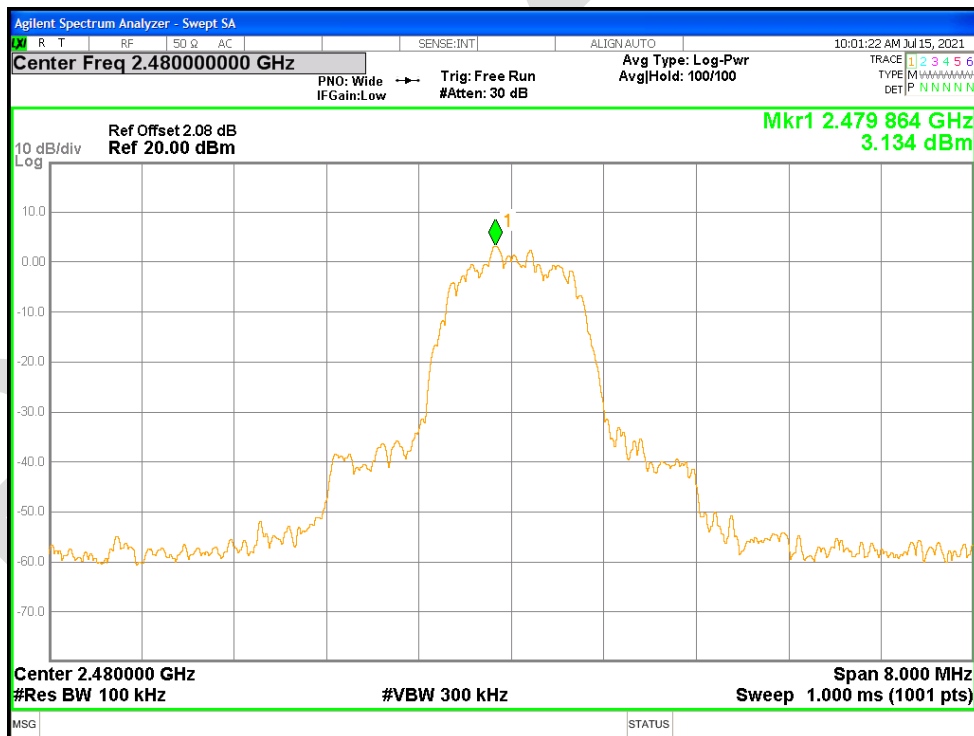
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



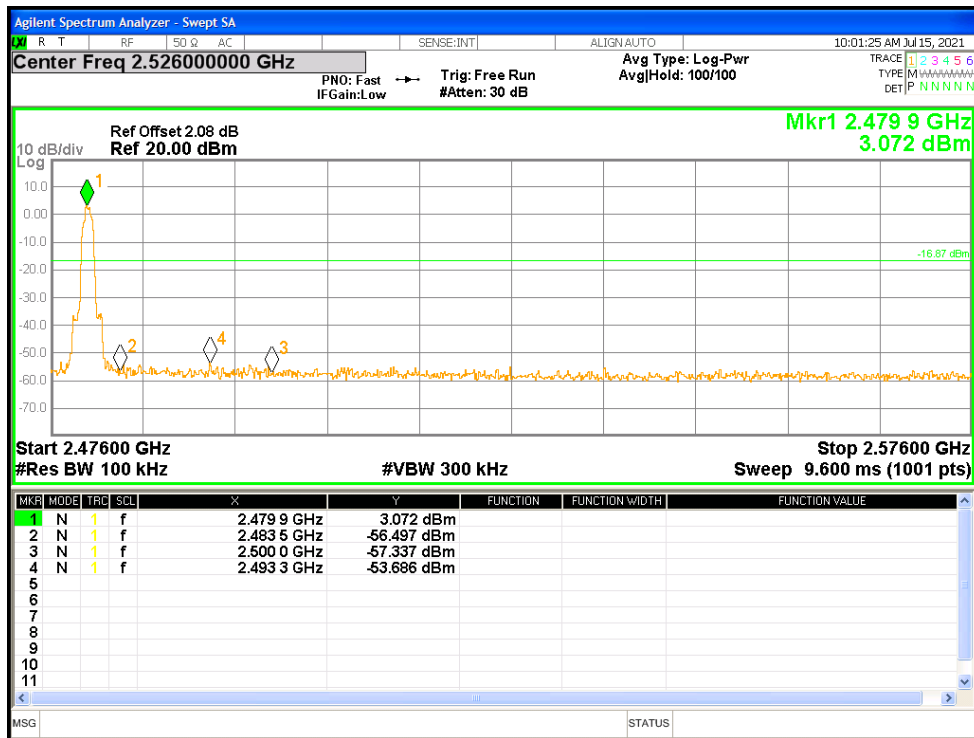
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



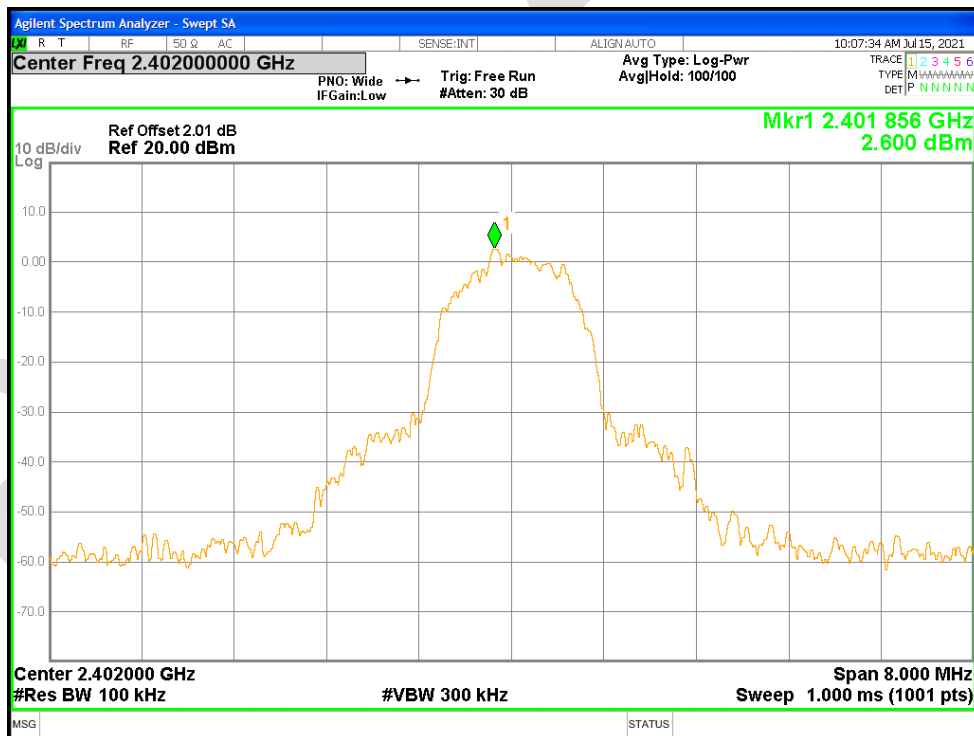
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



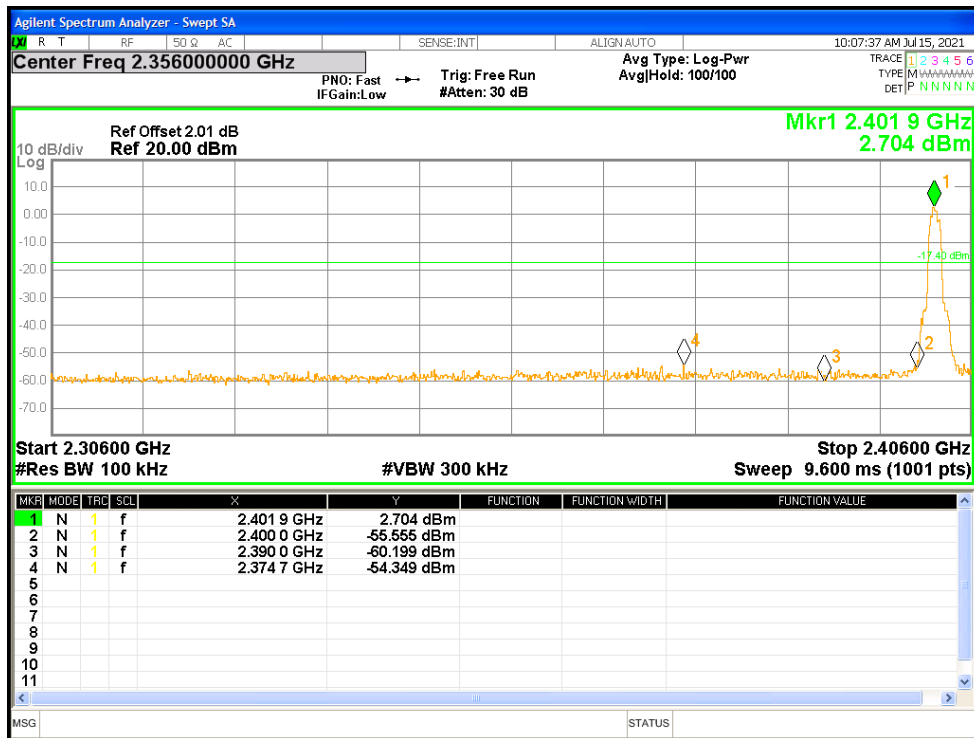
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



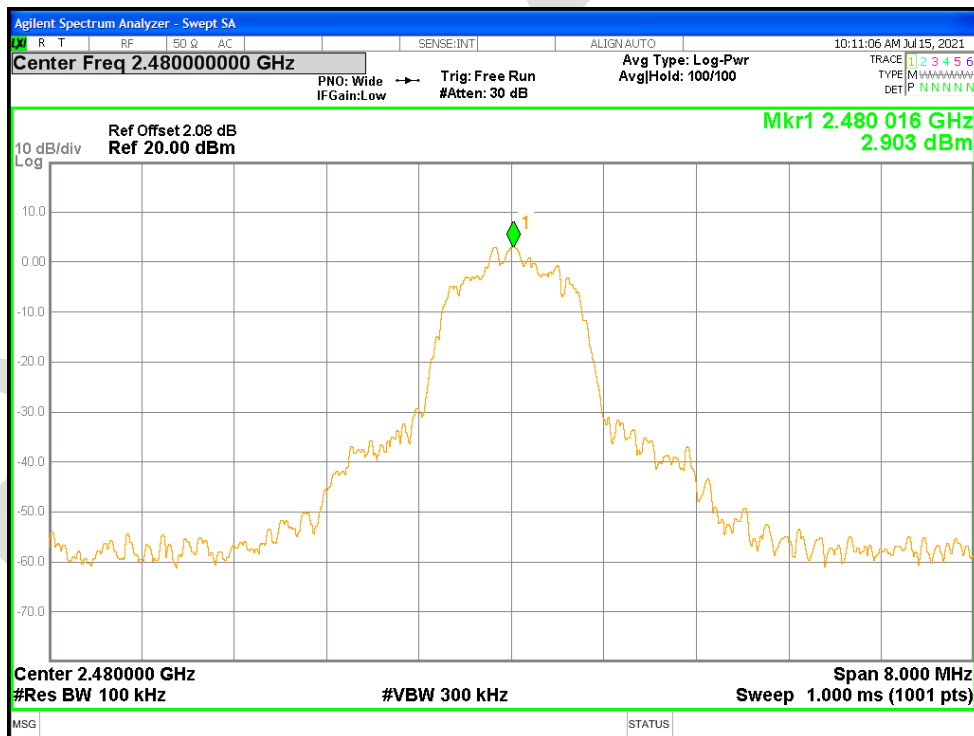
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



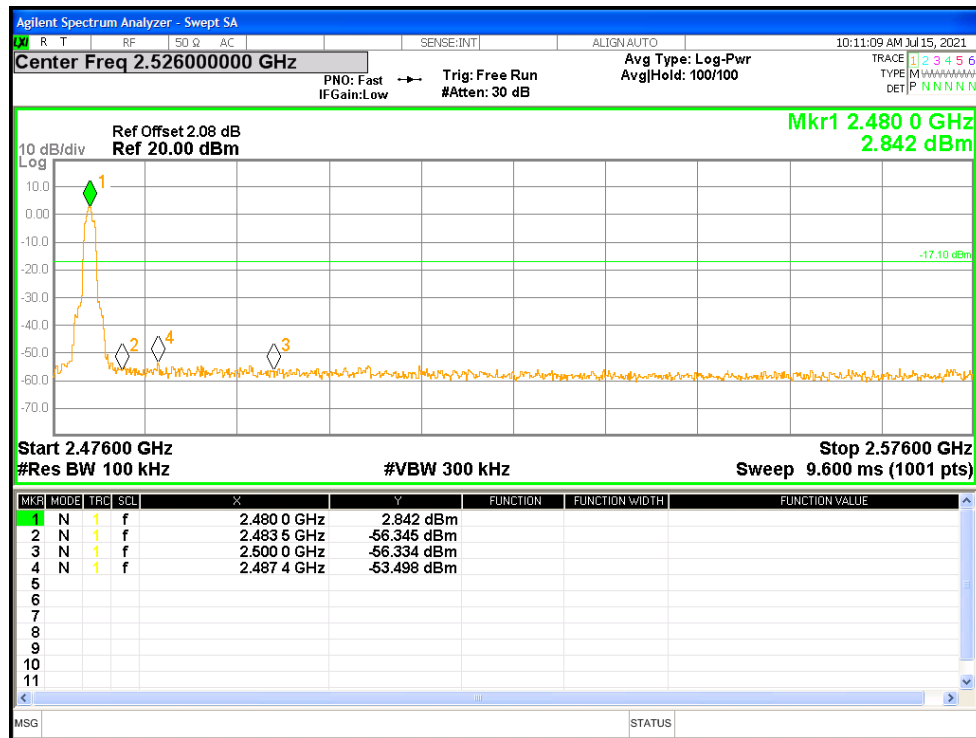
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



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



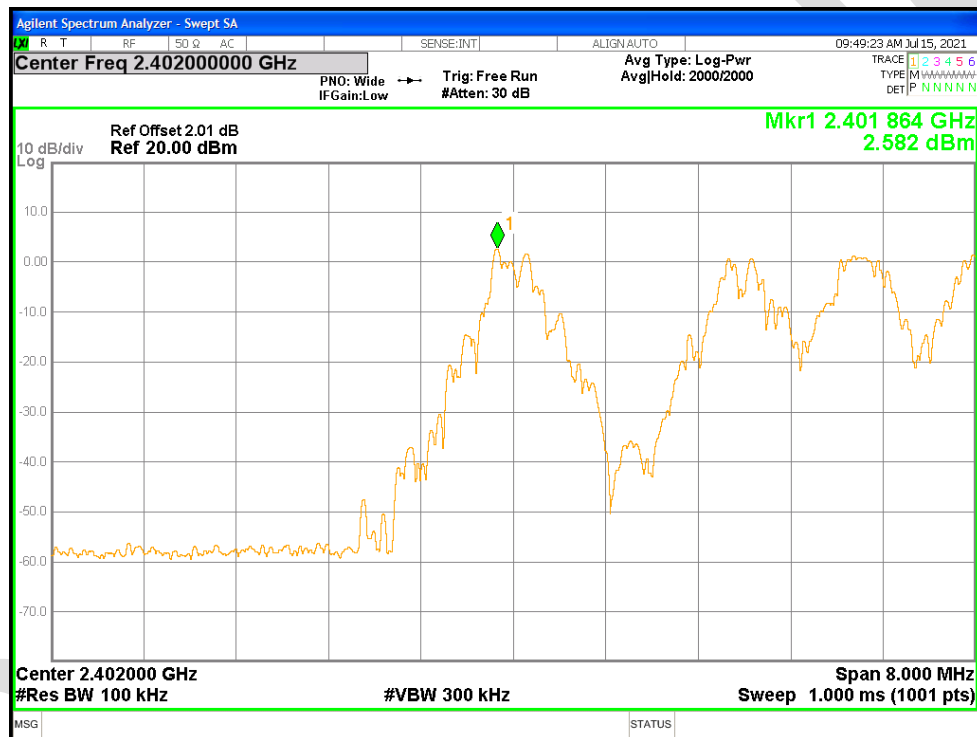
Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission



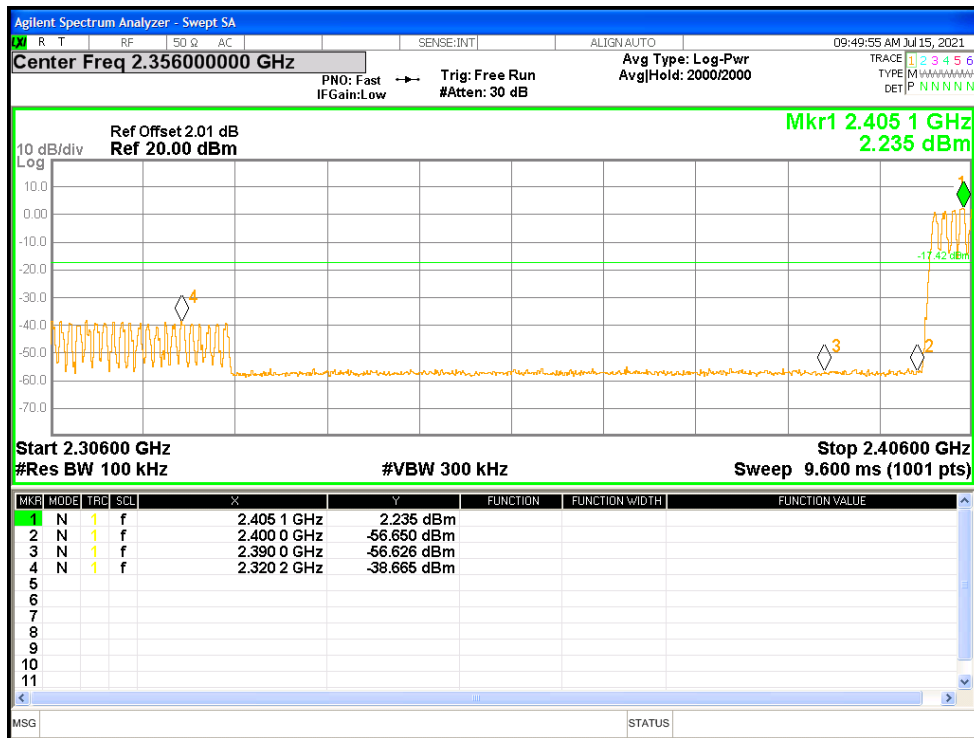
21.5 BAND EDGE(HOPPING)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-41.24	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-56.69	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-50.4	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-55.61	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-52.42	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-53.97	-20	Pass

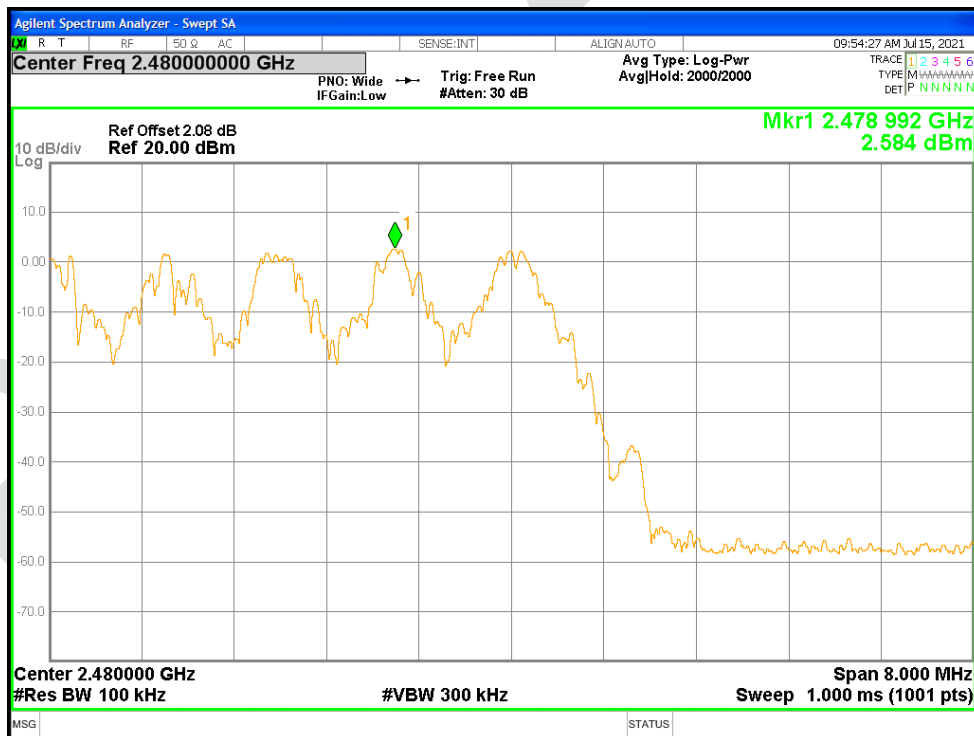
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



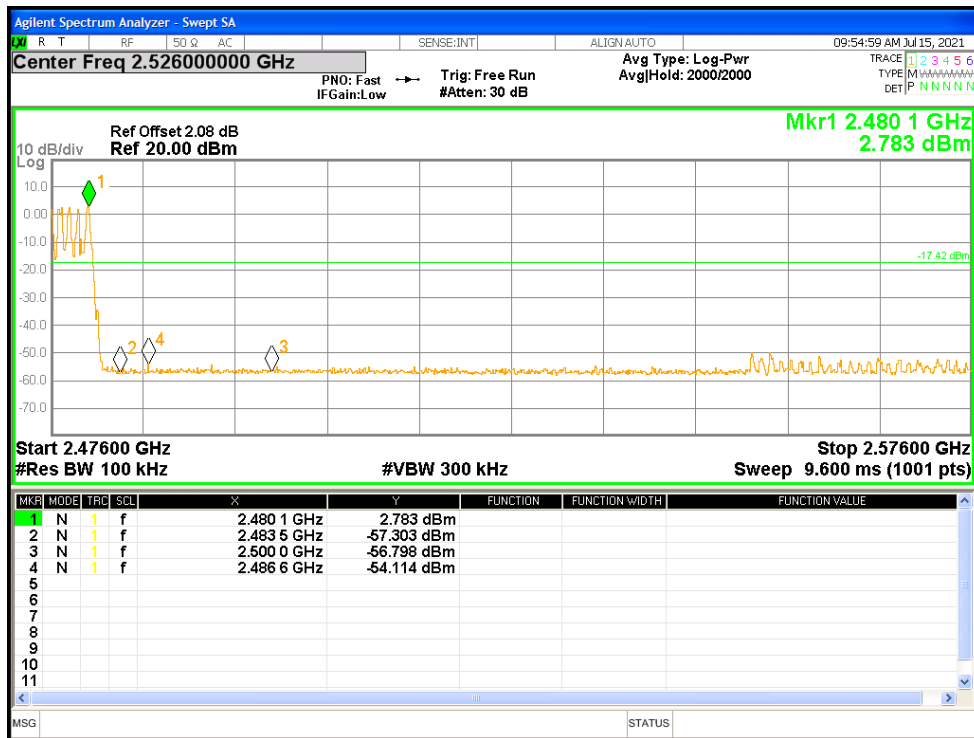
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



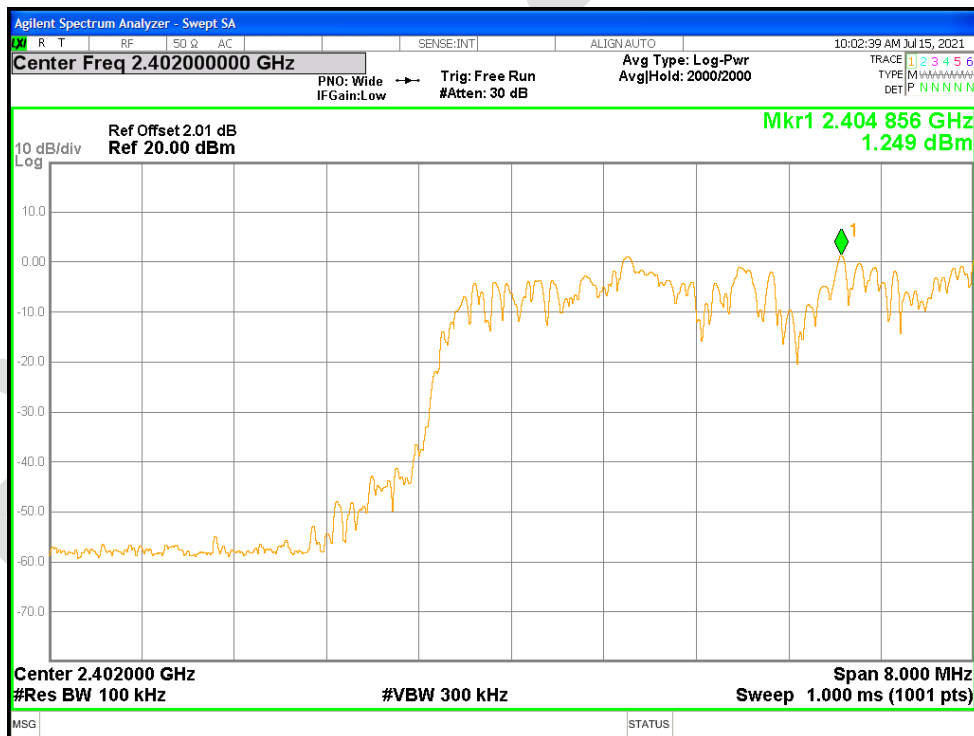
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



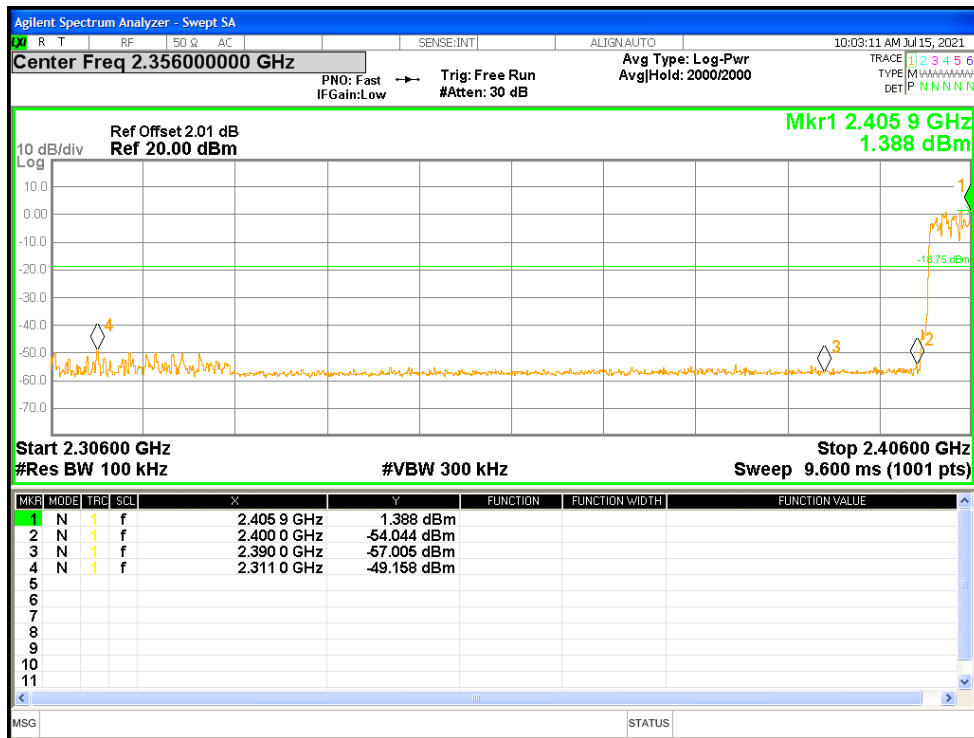
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



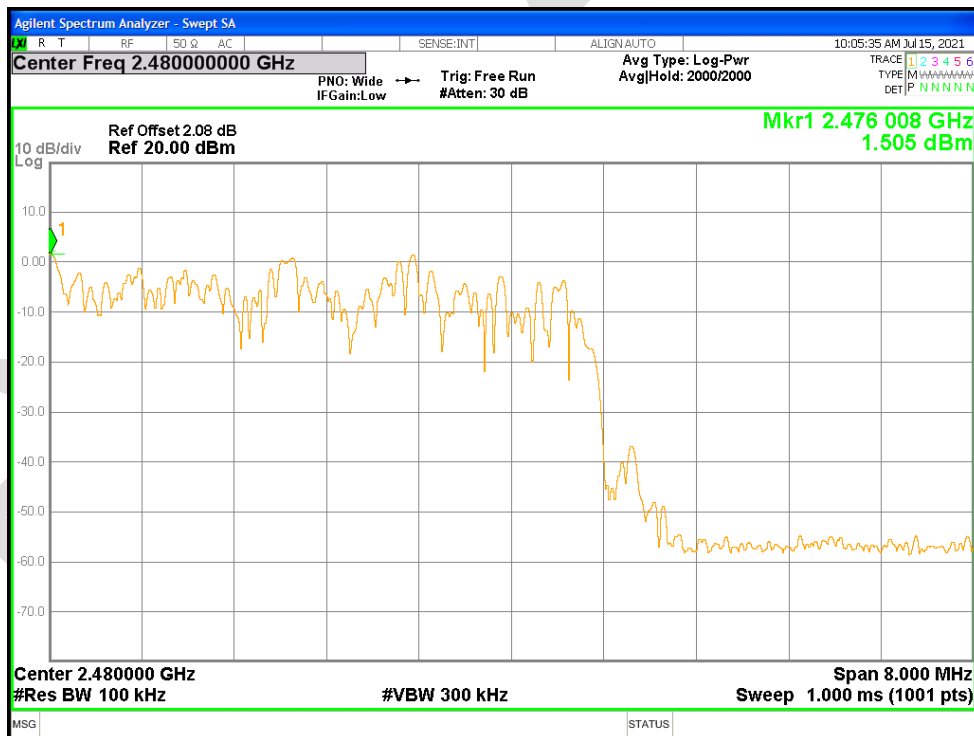
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



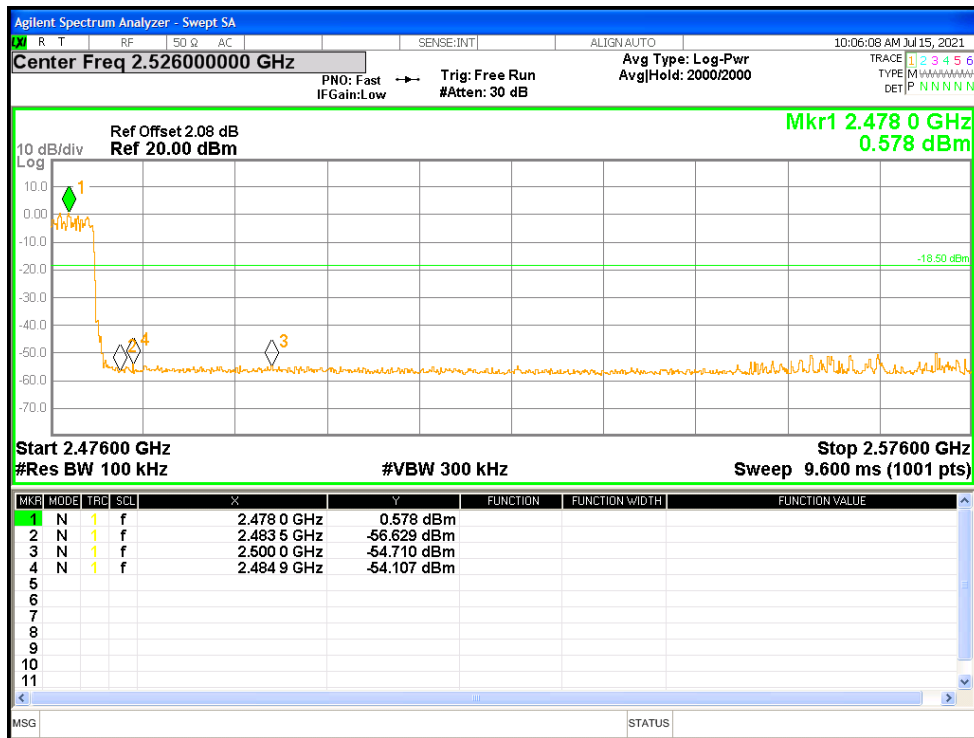
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



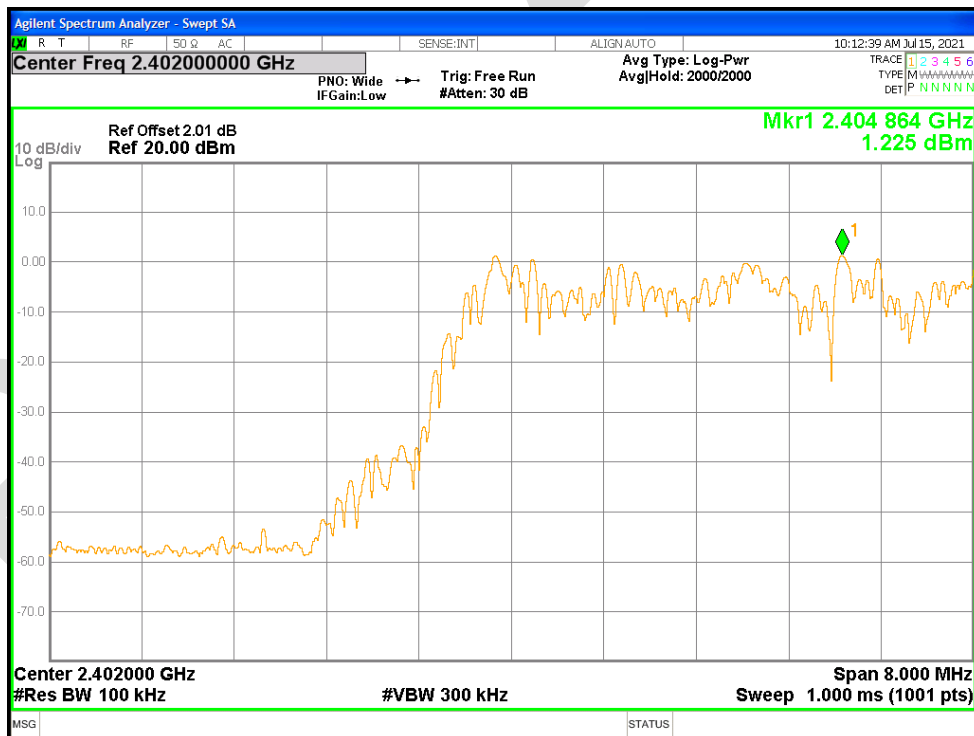
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



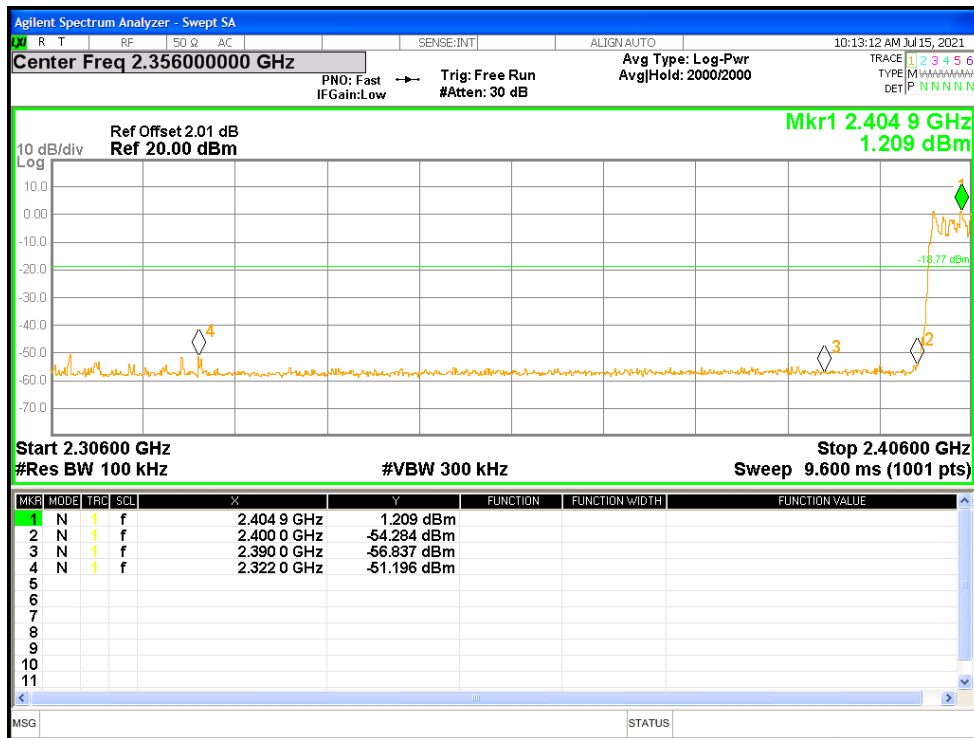
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



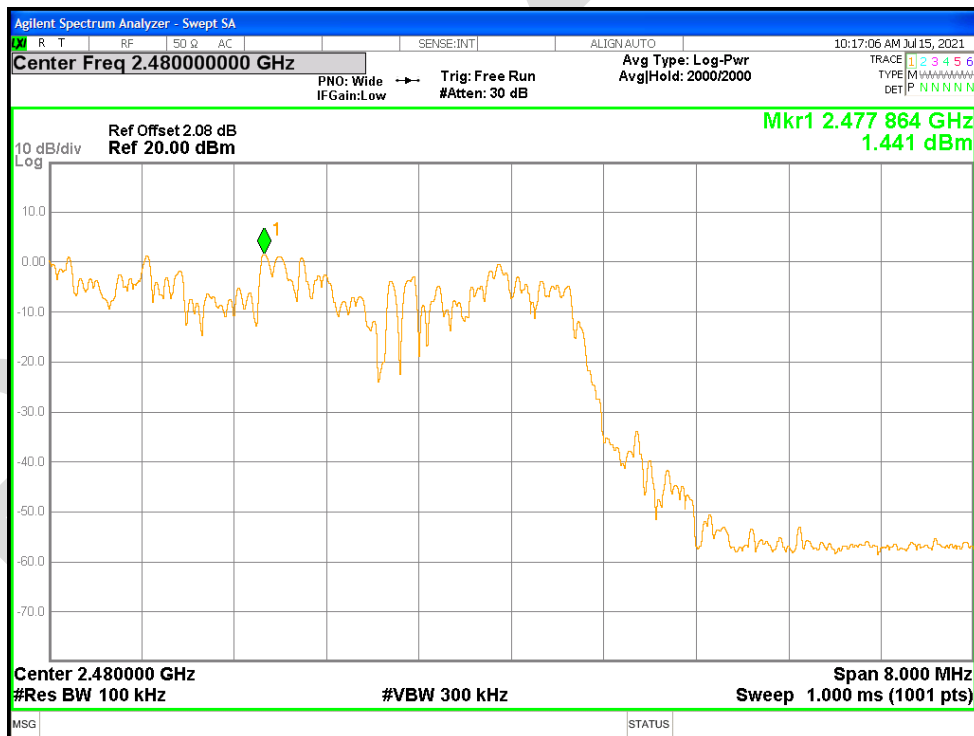
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



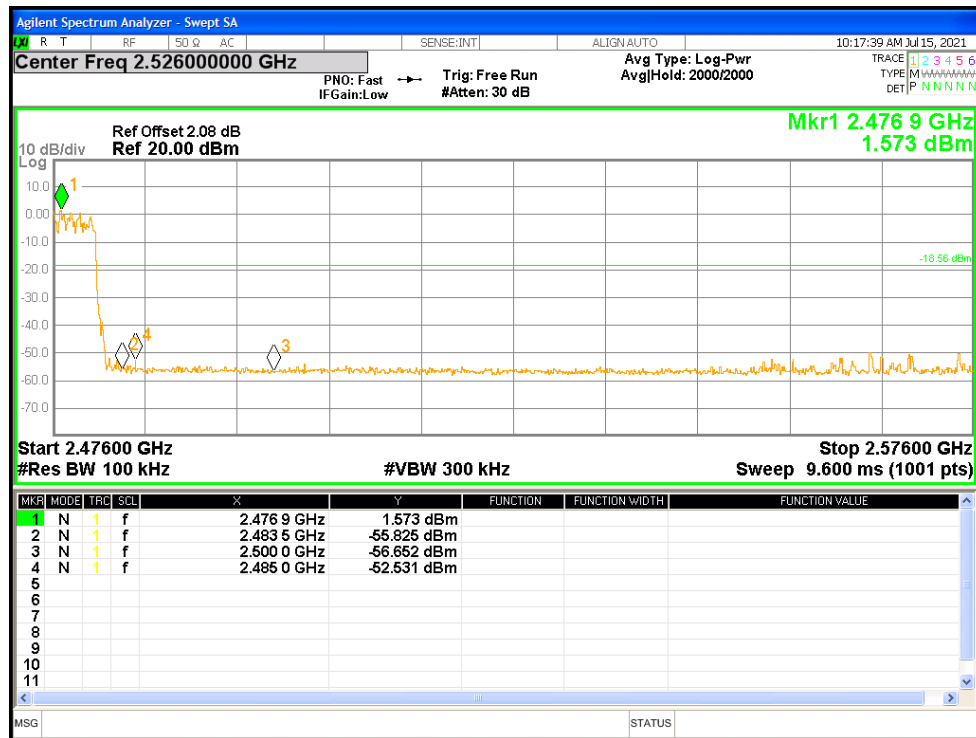
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



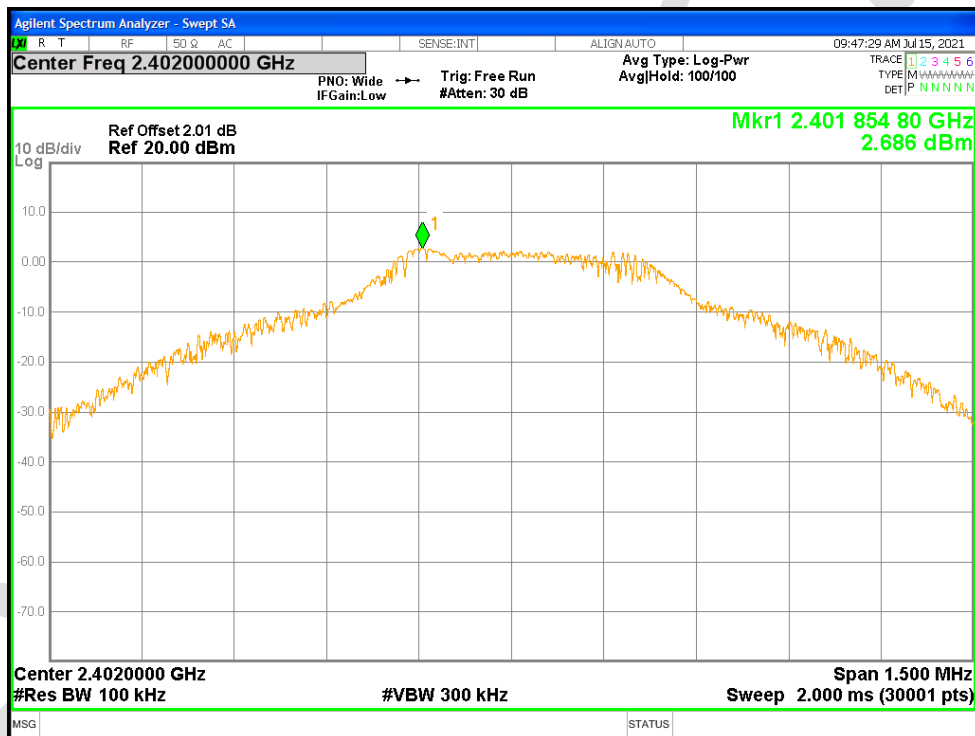
Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission



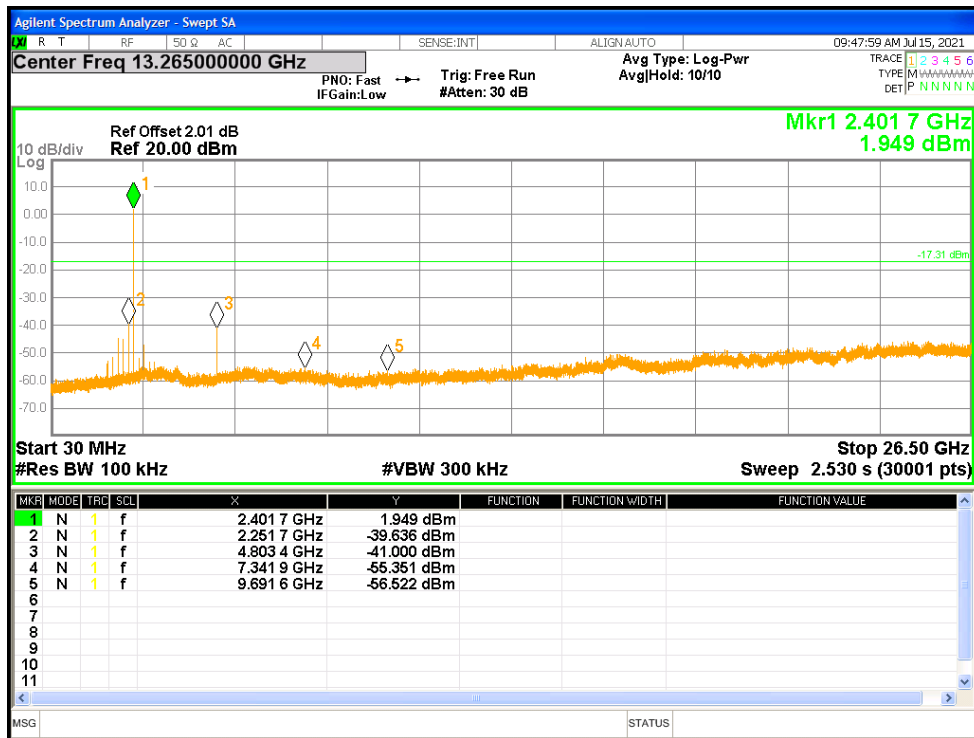
21.6 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-42.32	-20	Pass
NVNT	1-DH1	2441	Ant1	-40.88	-20	Pass
NVNT	1-DH1	2480	Ant1	-45.15	-20	Pass
NVNT	2-DH1	2402	Ant1	-43.7	-20	Pass
NVNT	2-DH1	2441	Ant1	-48.46	-20	Pass
NVNT	2-DH1	2480	Ant1	-46.73	-20	Pass
NVNT	3-DH1	2402	Ant1	-42.63	-20	Pass
NVNT	3-DH1	2441	Ant1	-47.44	-20	Pass
NVNT	3-DH1	2480	Ant1	-43.14	-20	Pass

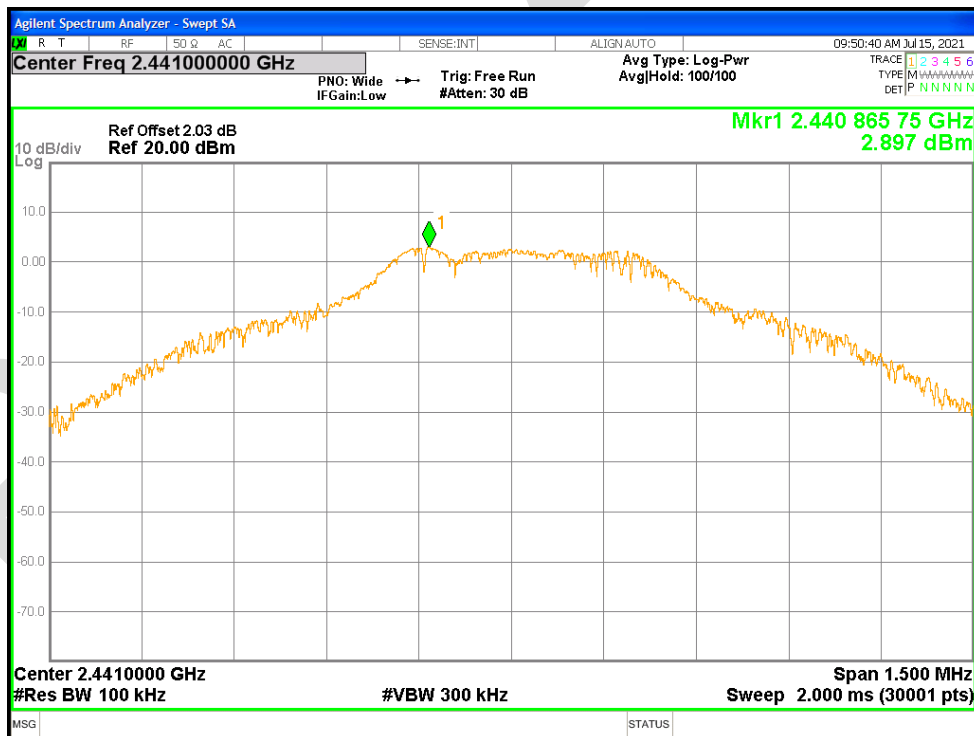
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



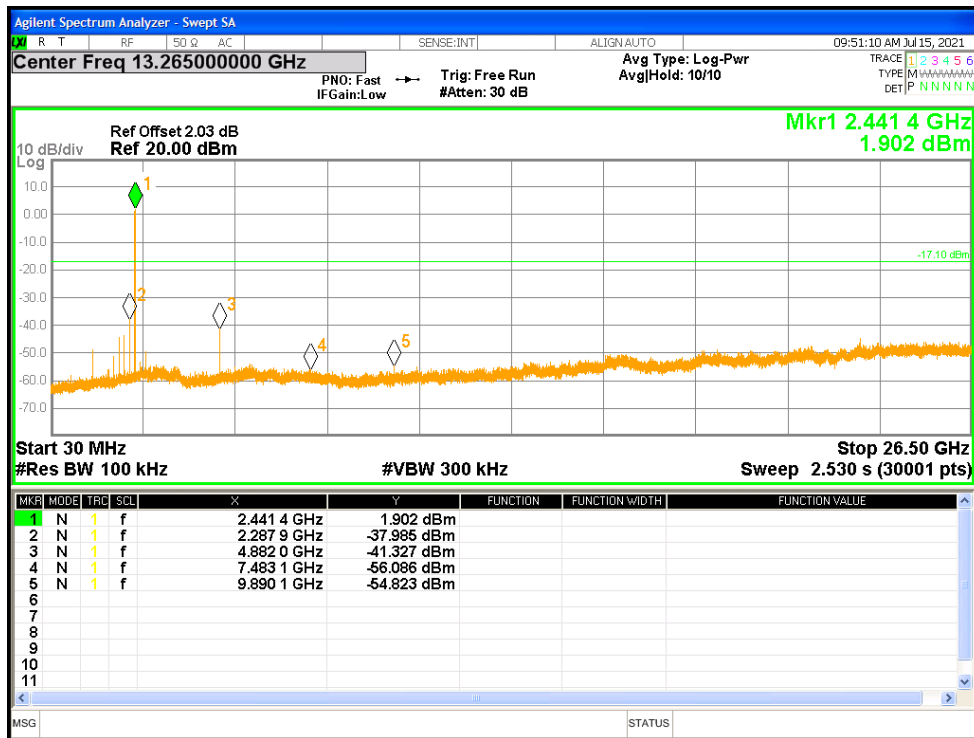
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



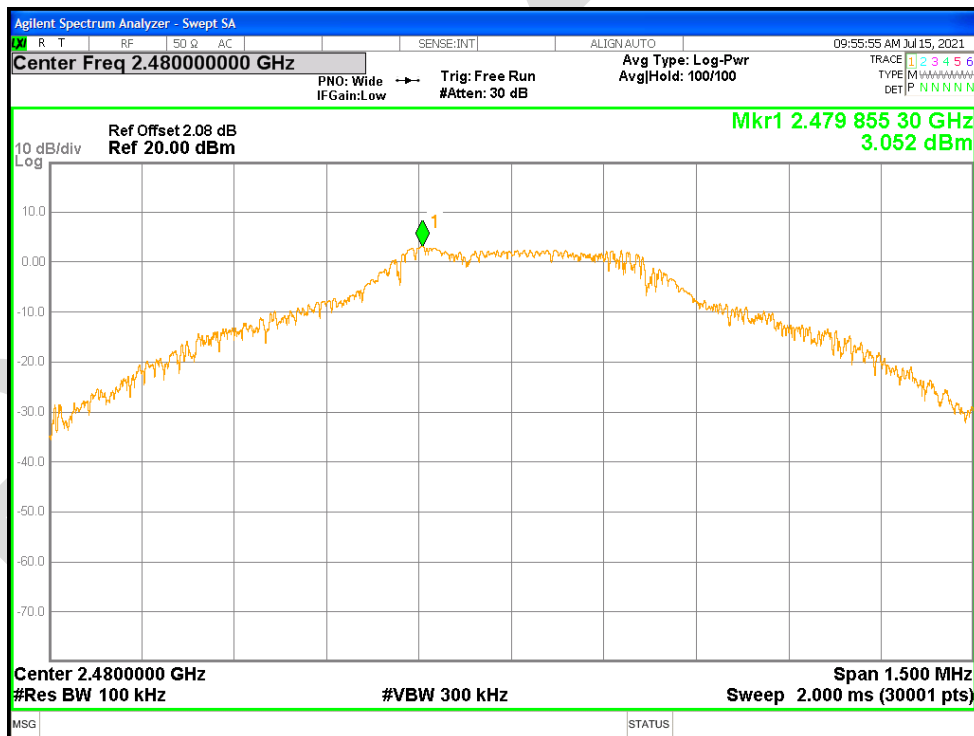
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



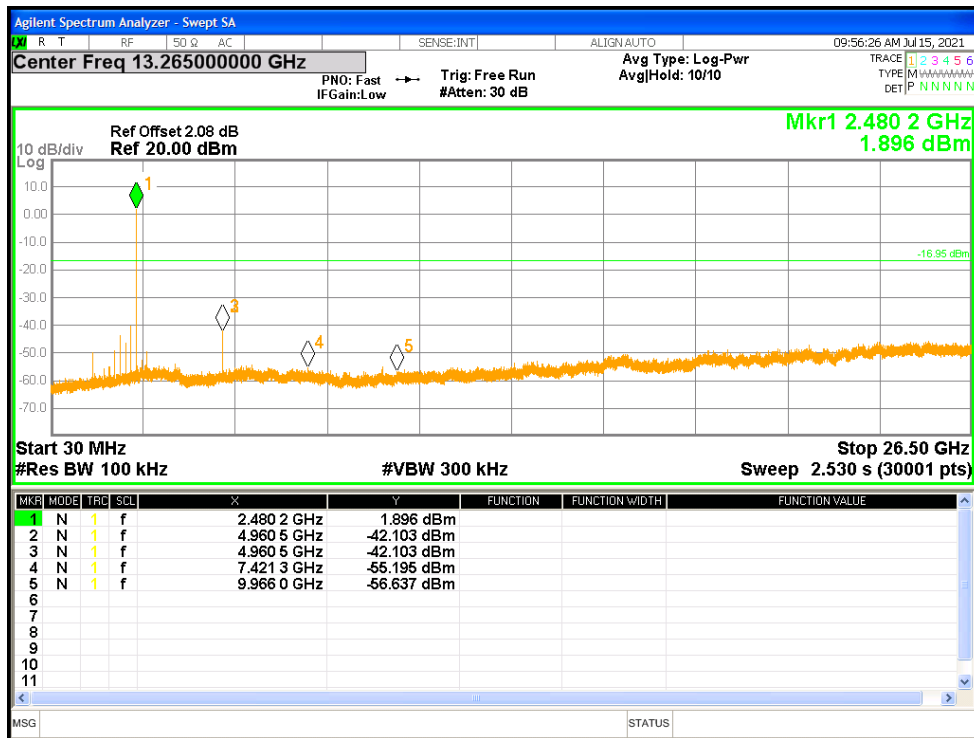
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



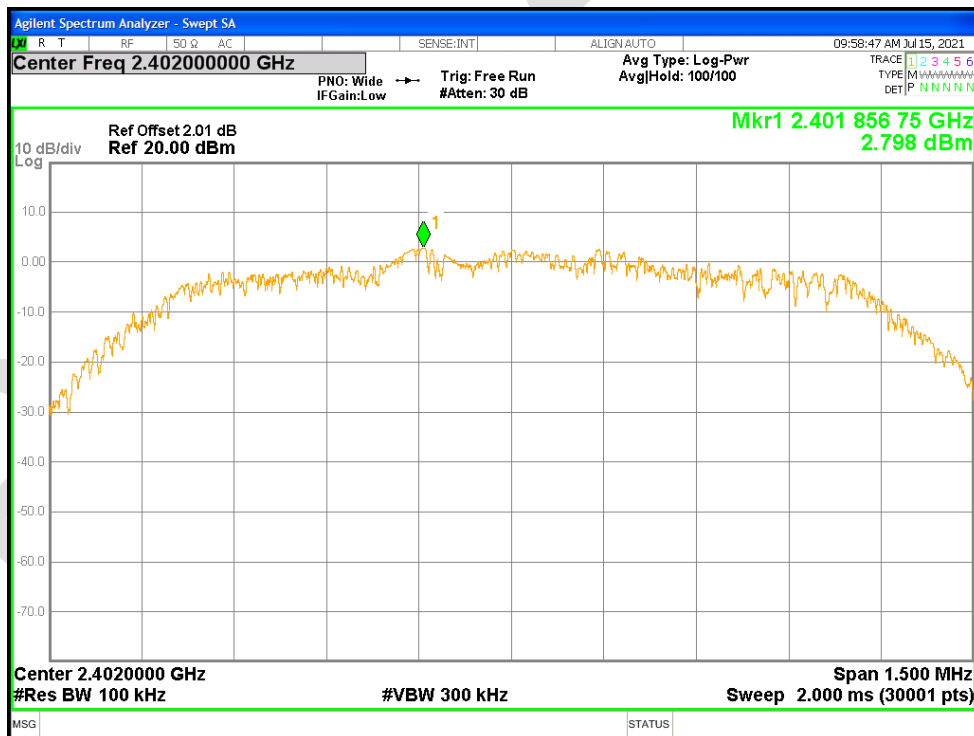
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



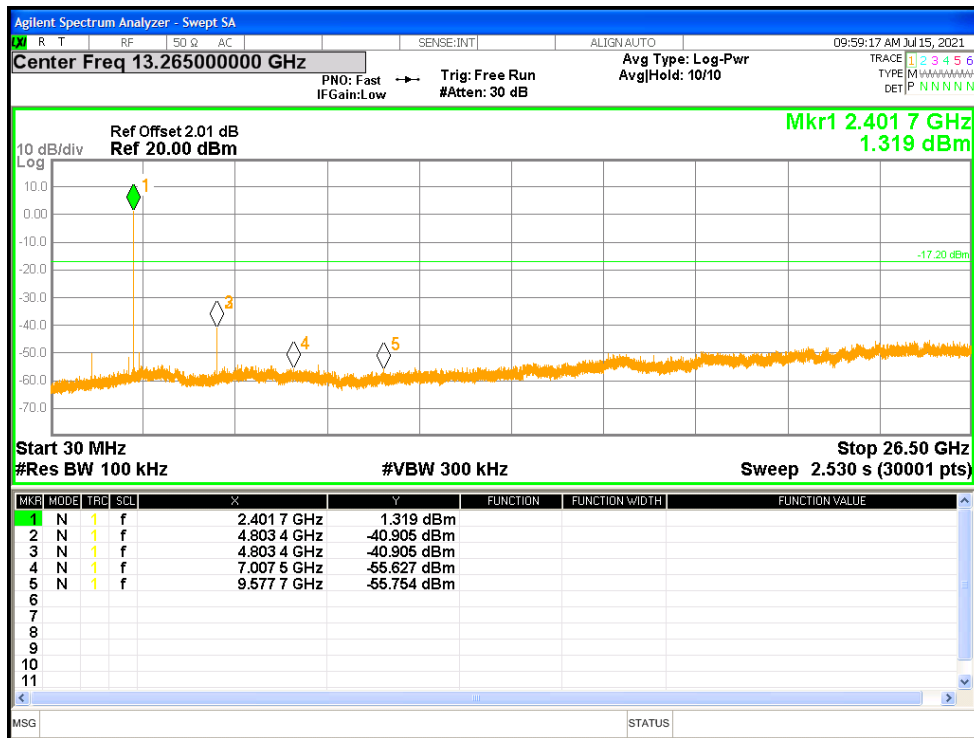
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



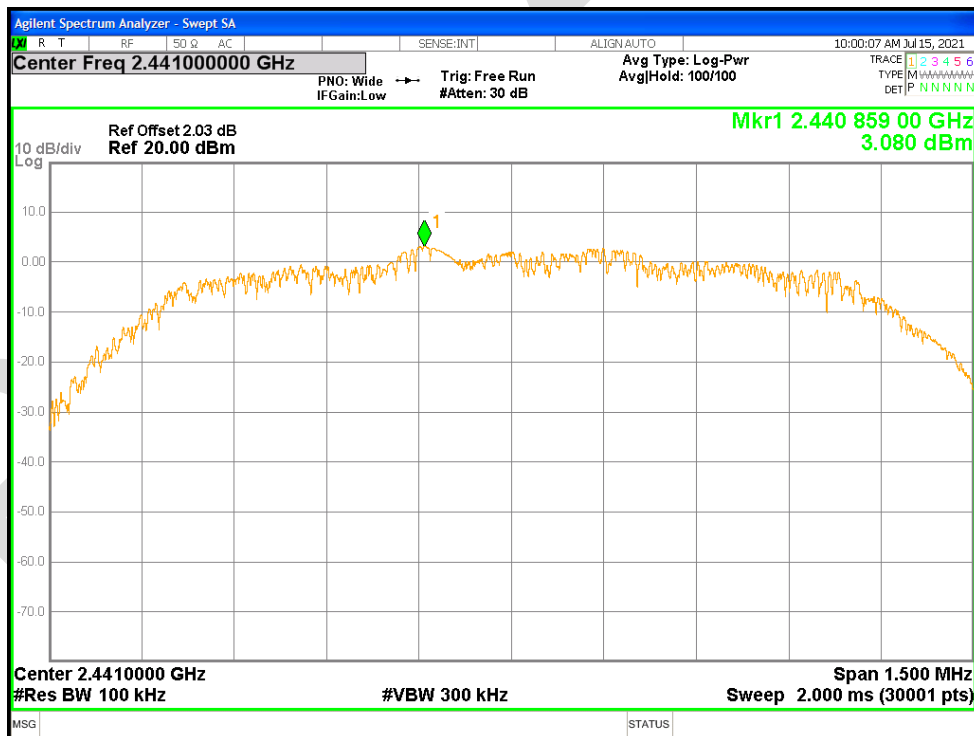
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



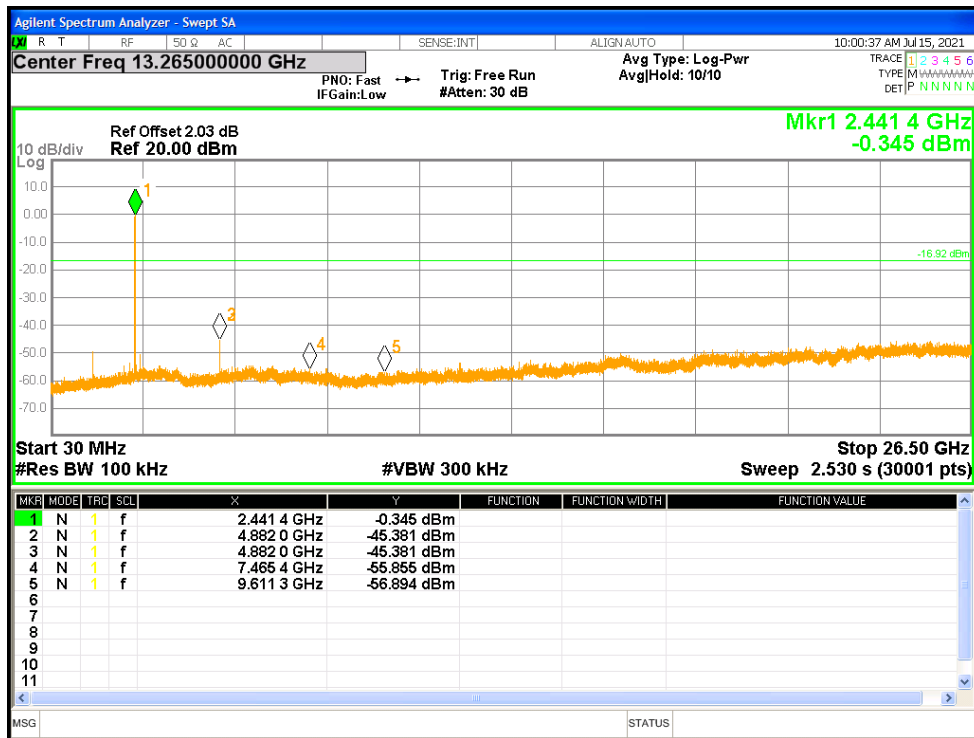
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



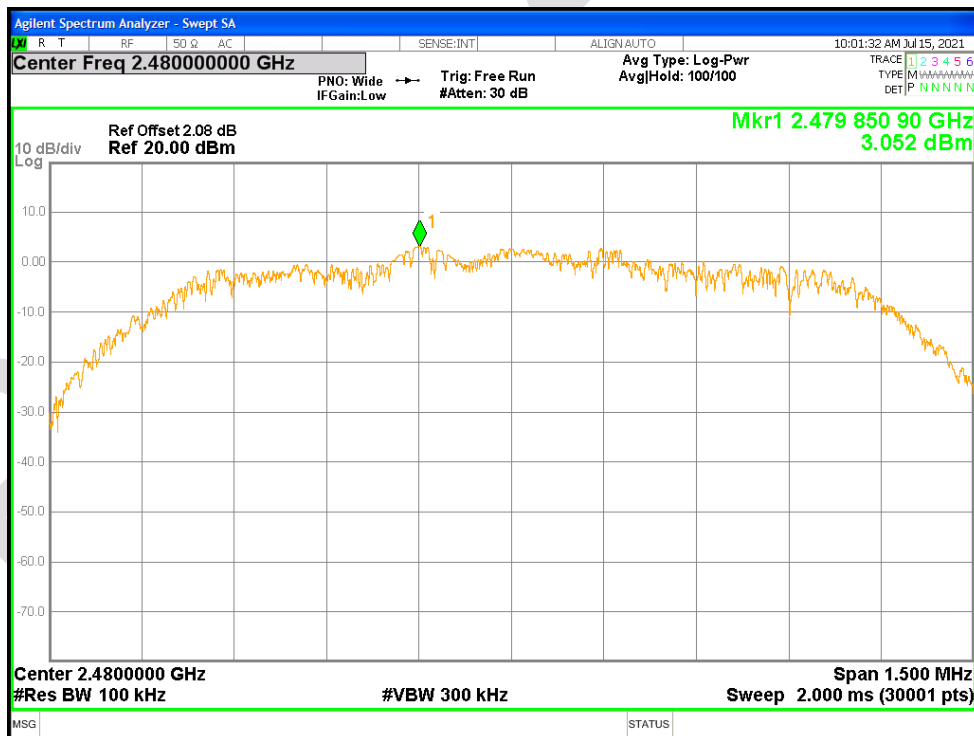
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



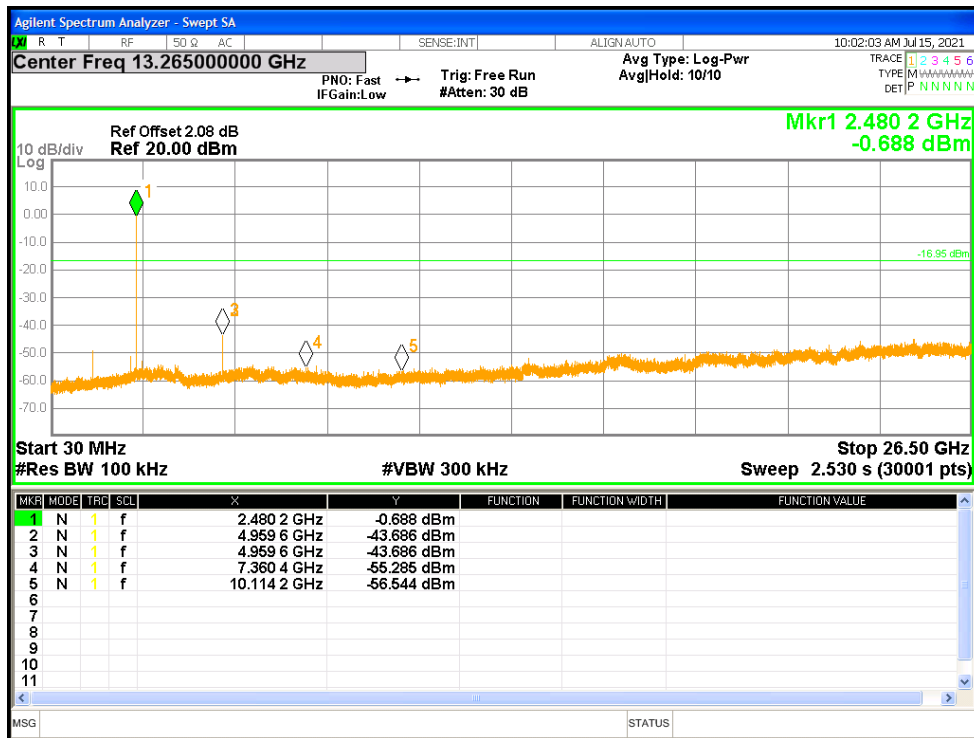
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



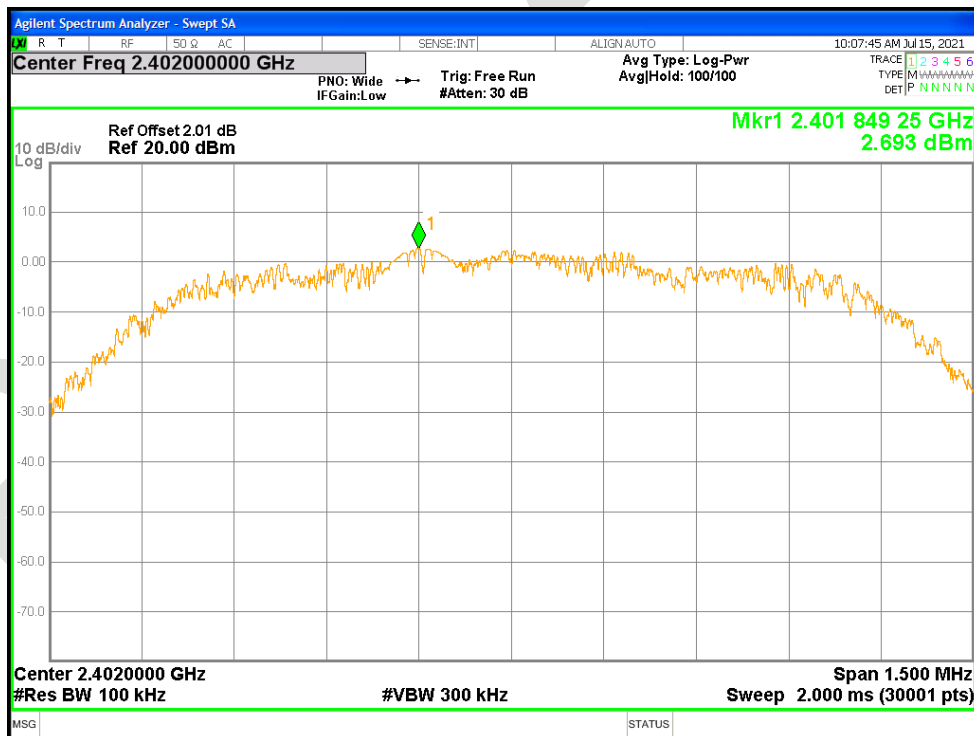
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



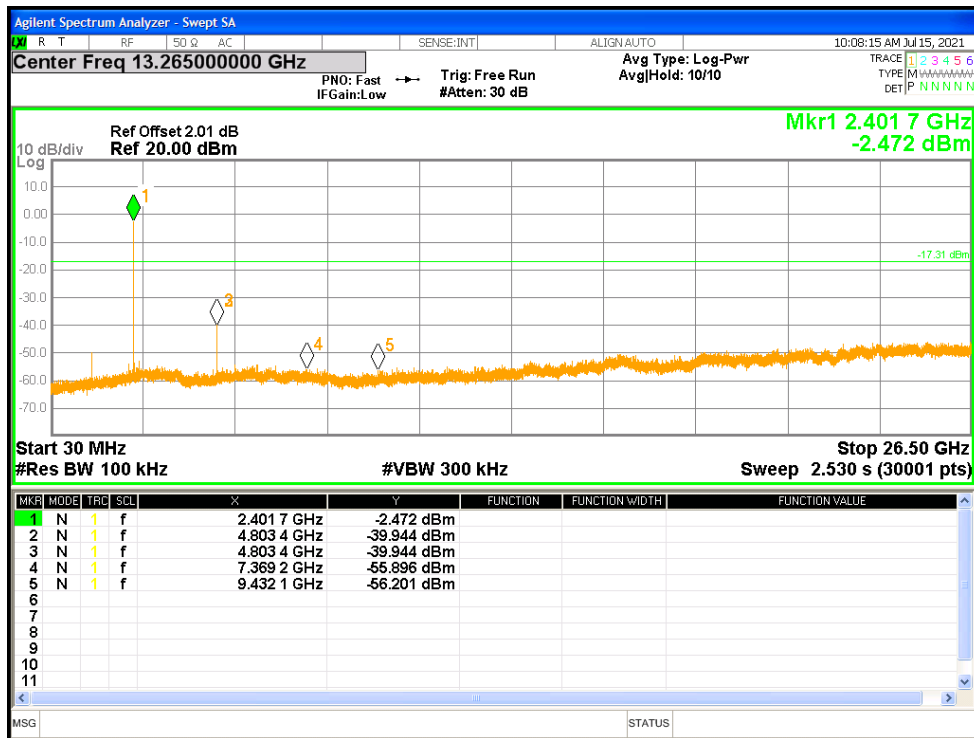
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



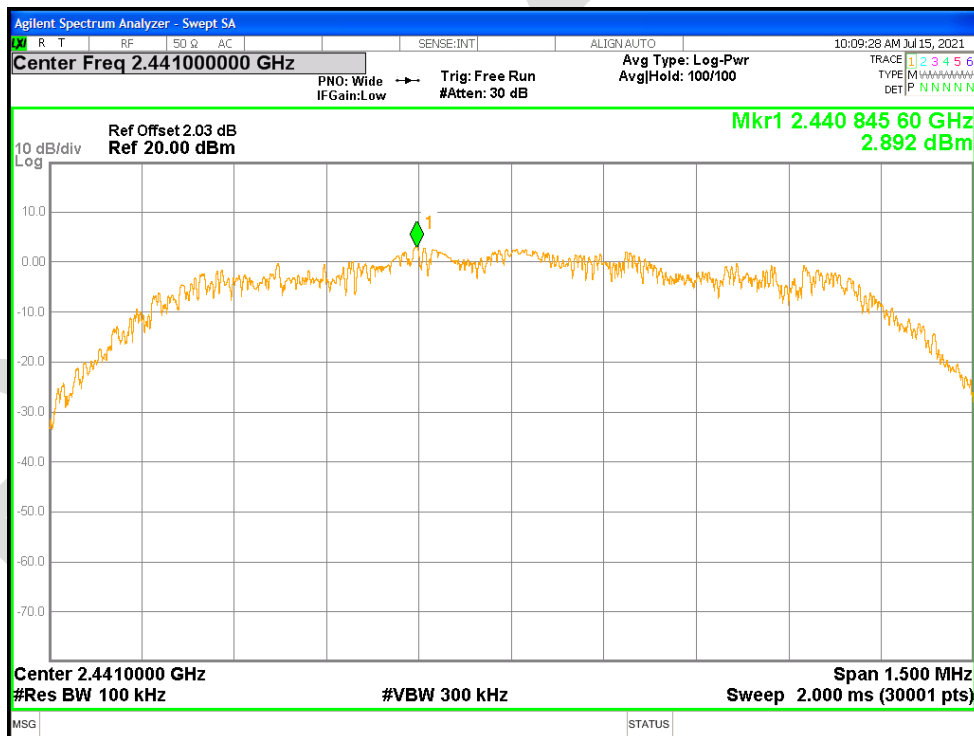
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



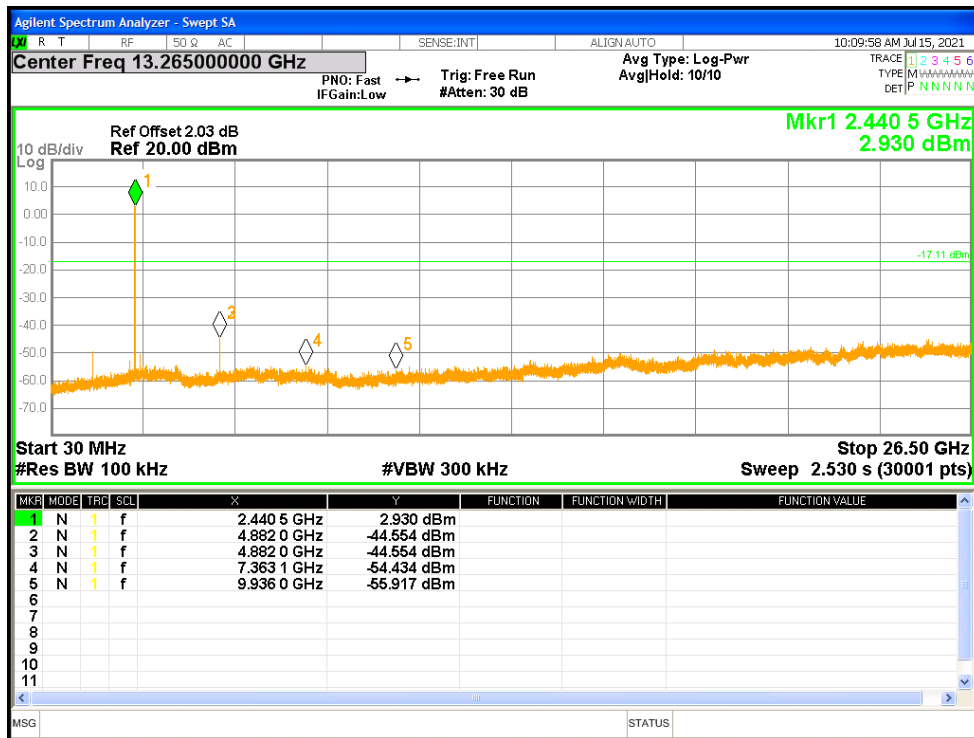
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



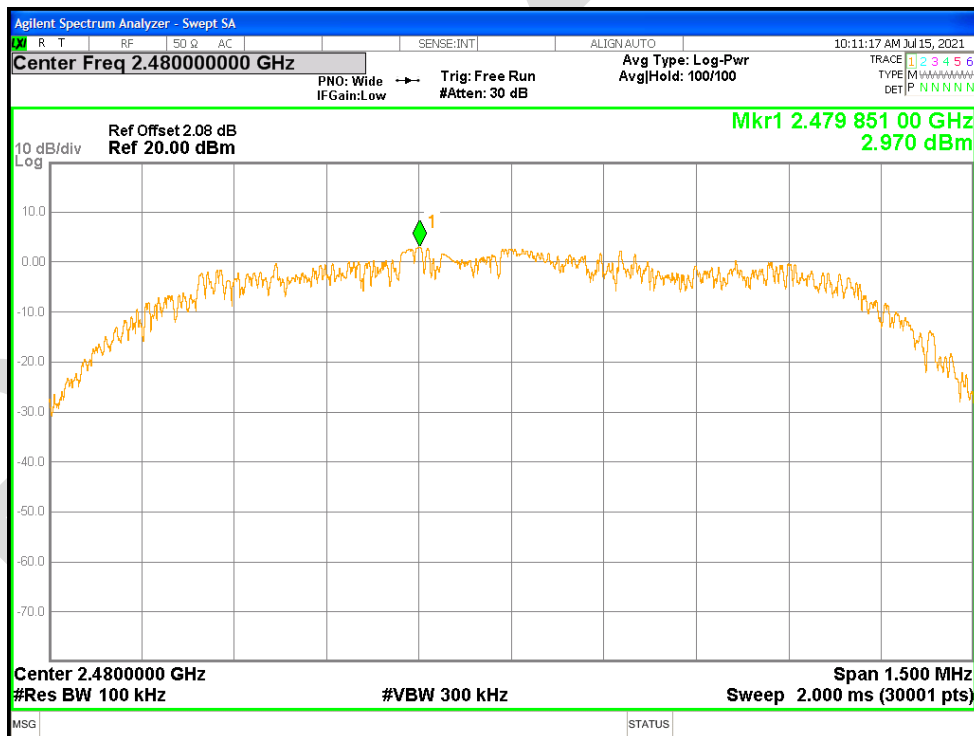
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



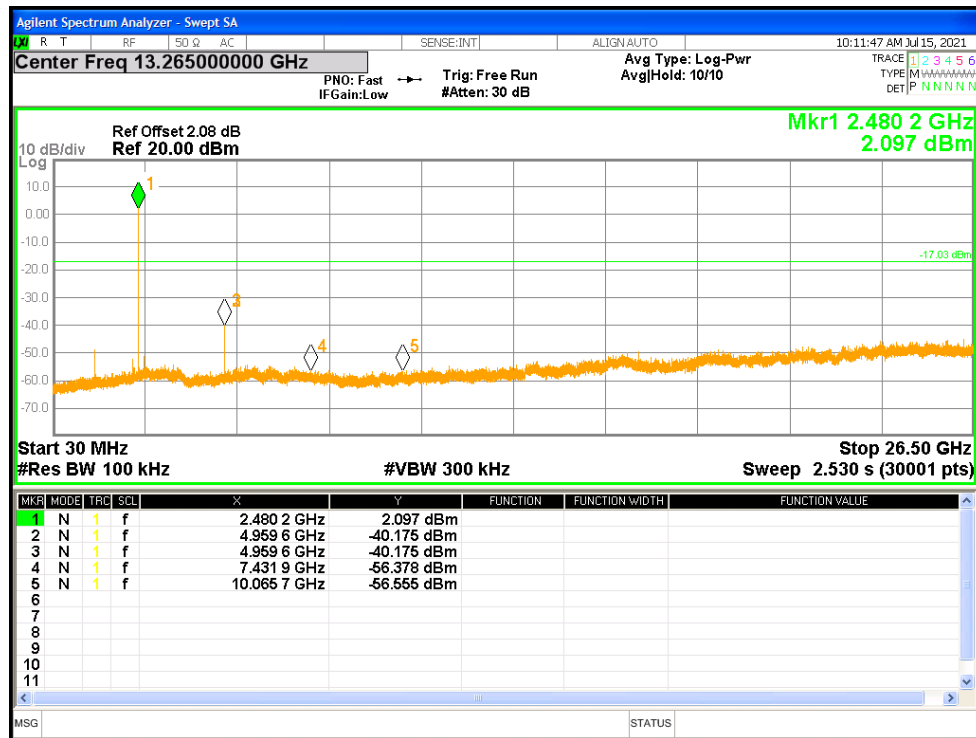
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



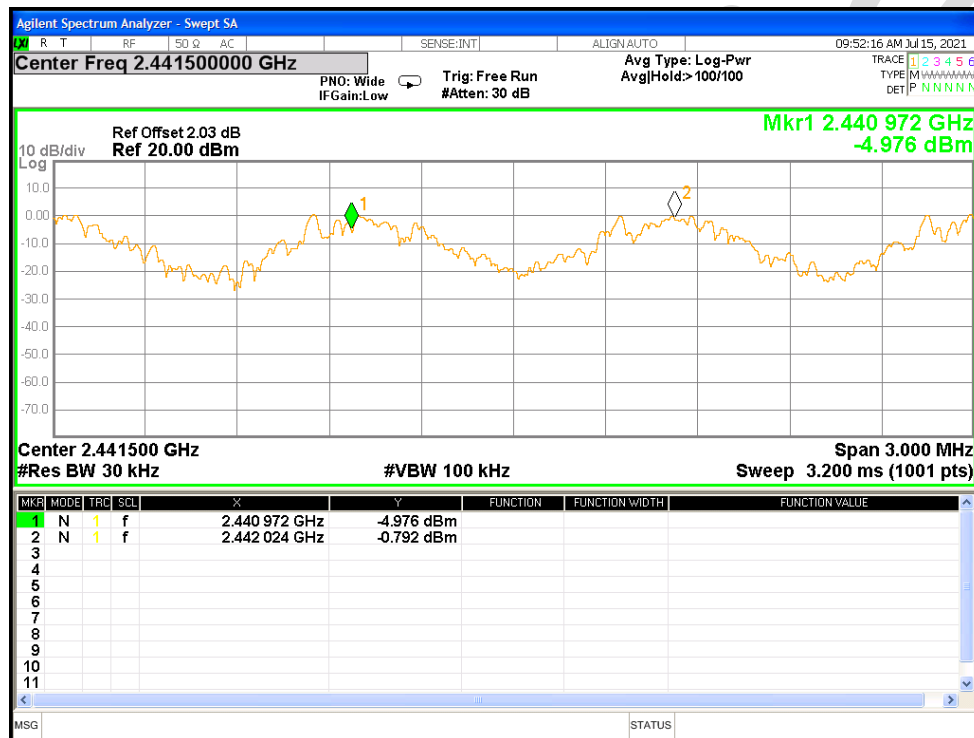
Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission



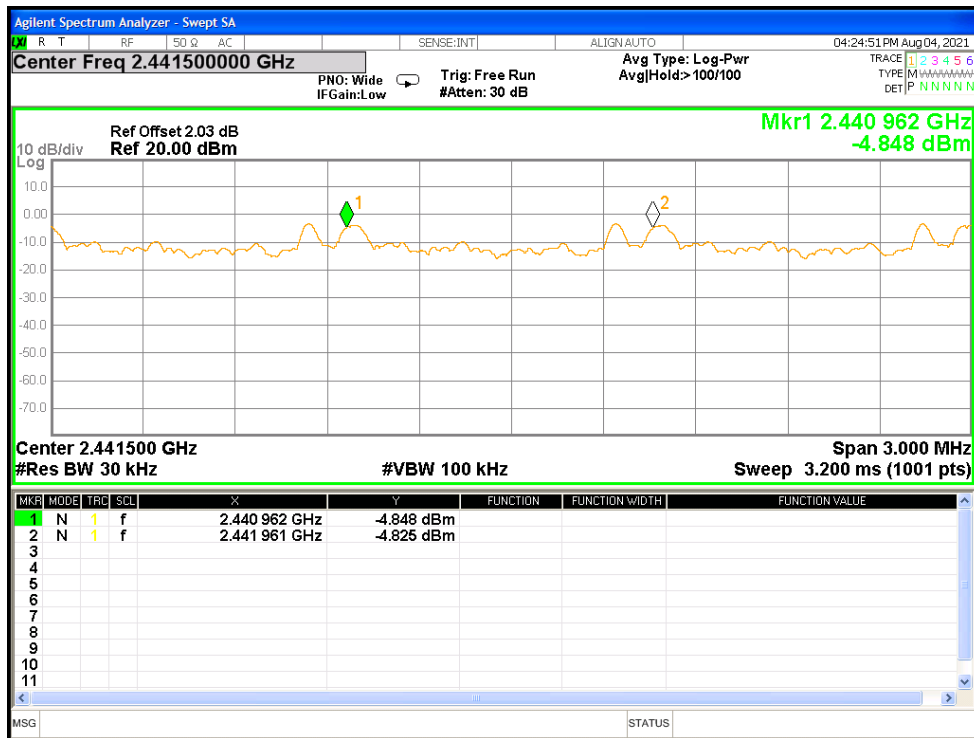
21.7 CARRIER FREQUENCIES SEPARATION

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2440.972	2442.0235	1.0515	0.942	Pass
NVNT	2-DH1	Ant1	2440.9615	2441.9605	0.999	0.841	Pass
NVNT	3-DH1	Ant1	2440.8535	2441.9035	1.05	0.857	Pass

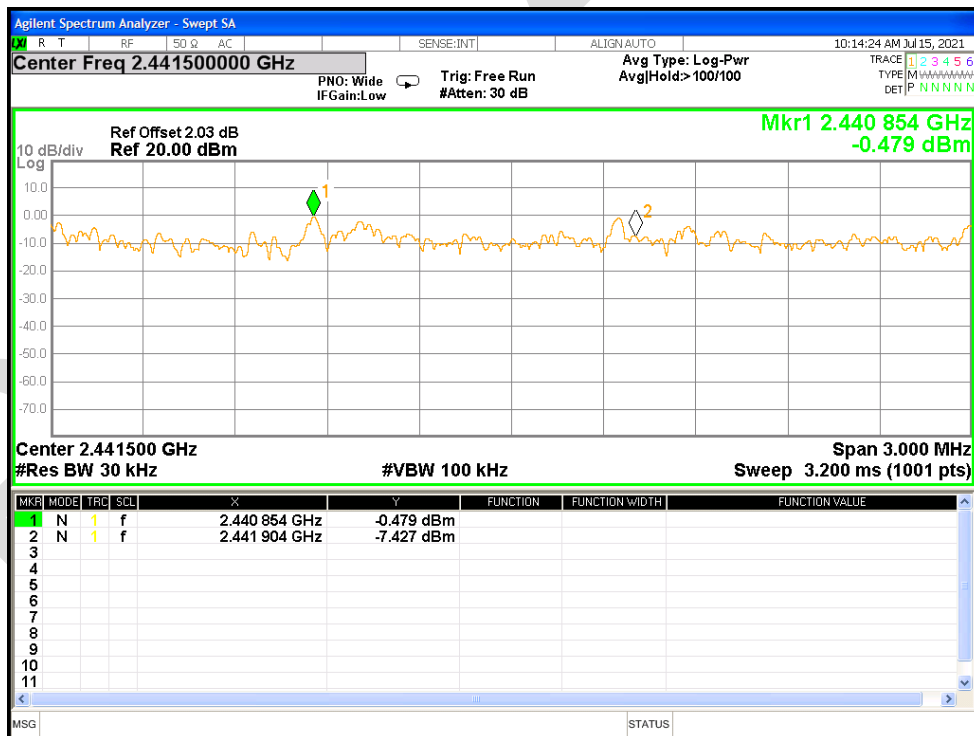
CFS NVNT 1-DH1 2441MHz Ant1



CFS NVNT 2-DH1 2441MHz Ant1



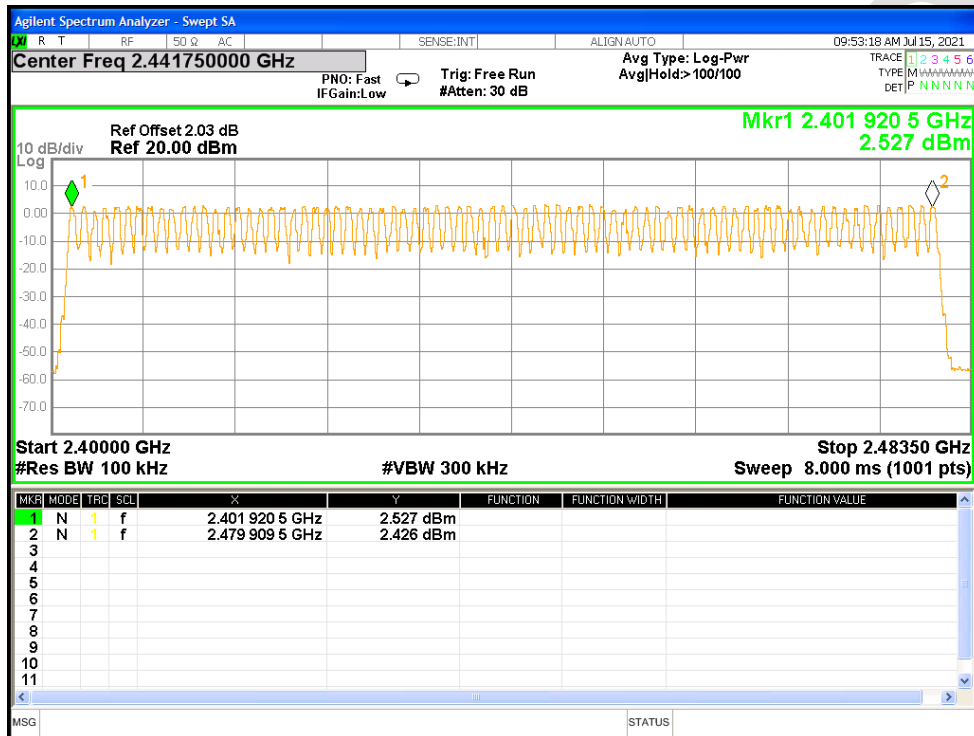
CFS NVNT 3-DH1 2441MHz Ant1



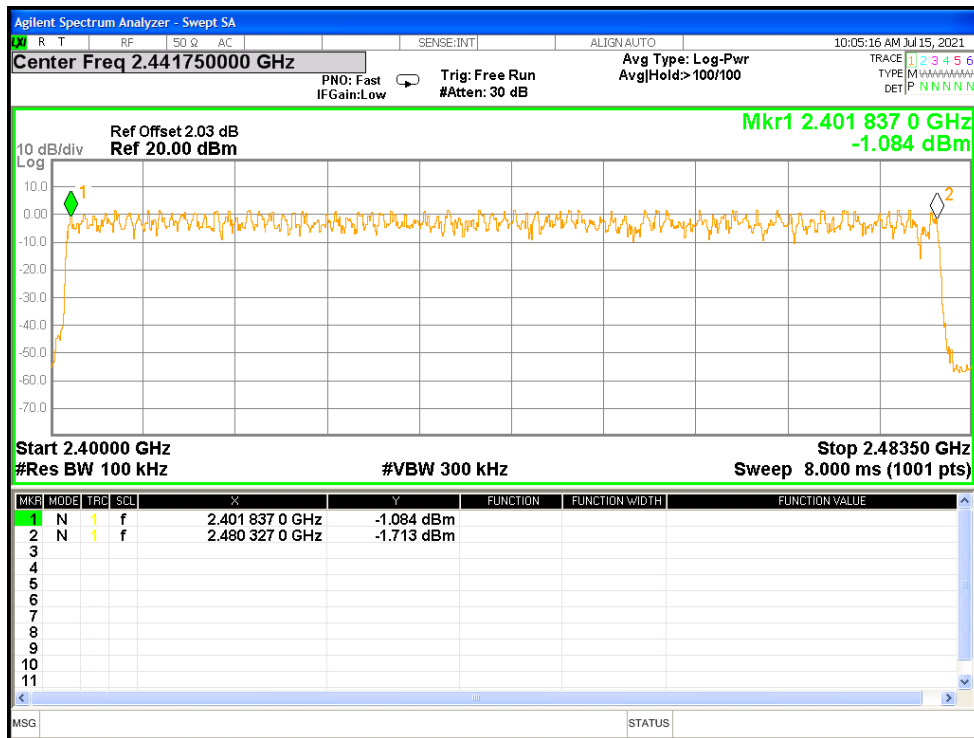
21.8 NUMBER OF HOPPING CHANNEL

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass
NVNT	3-DH1	Ant1	79	15	Pass

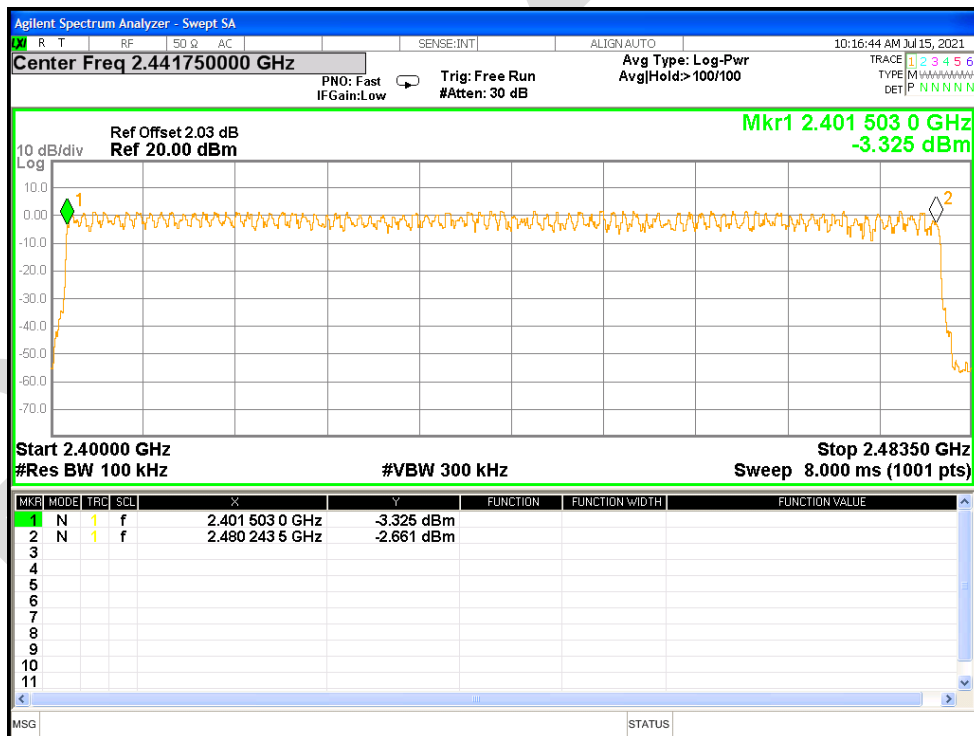
Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1



Hopping No. NVNT 3-DH1 2441MHz Ant1



21.9 DWELL TIME

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.399	127.68	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.673	267.68	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.896	308.91	31600	400	Pass

Remake:

DH5 packet permit maximum 1600/79/6 hops per second in each channel (5 time slots RX,1 time slot TX).

DH3 packet permit maximum 1600/79/4 hops per second in each channel (3 time slots RX,1 time slot TX).

DH1 packet permit maximum 1600/79/2 hops per second in each channel (1 time slots RX,1 time slot TX).

So, the Dwell time can be calculated as follows:

DH5: $1600/79/6 * 0.4 * 79 * \text{Pulse time}$

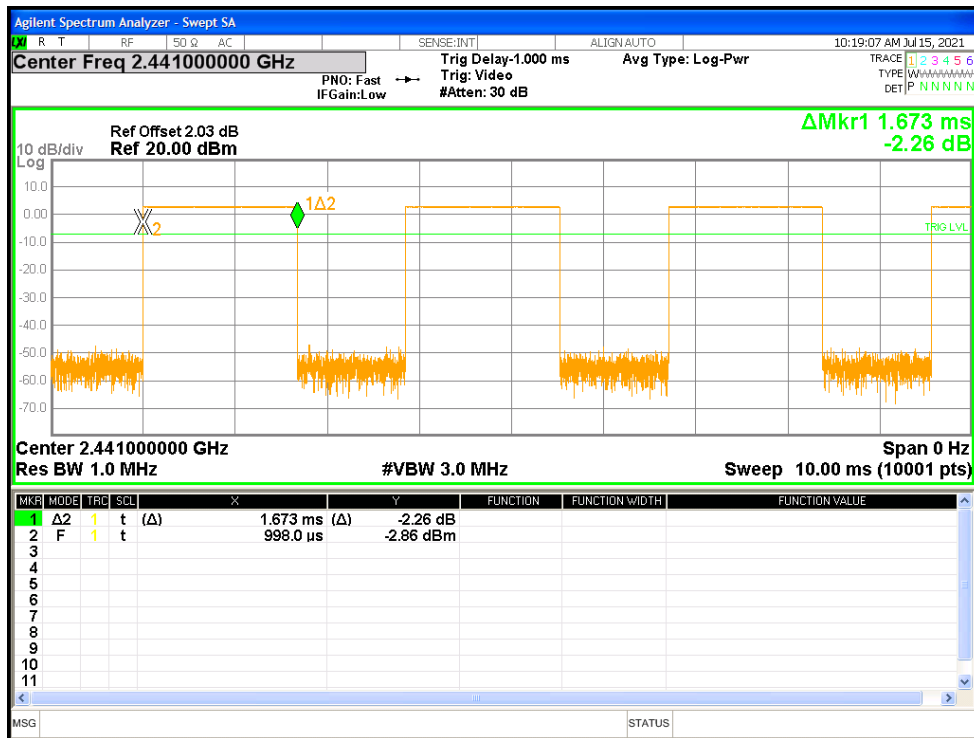
DH3: $1600/79/4 * 0.4 * 79 * \text{Pulse time}$

DH1: $1600/79/2 * 0.4 * 79 * \text{Pulse time}$

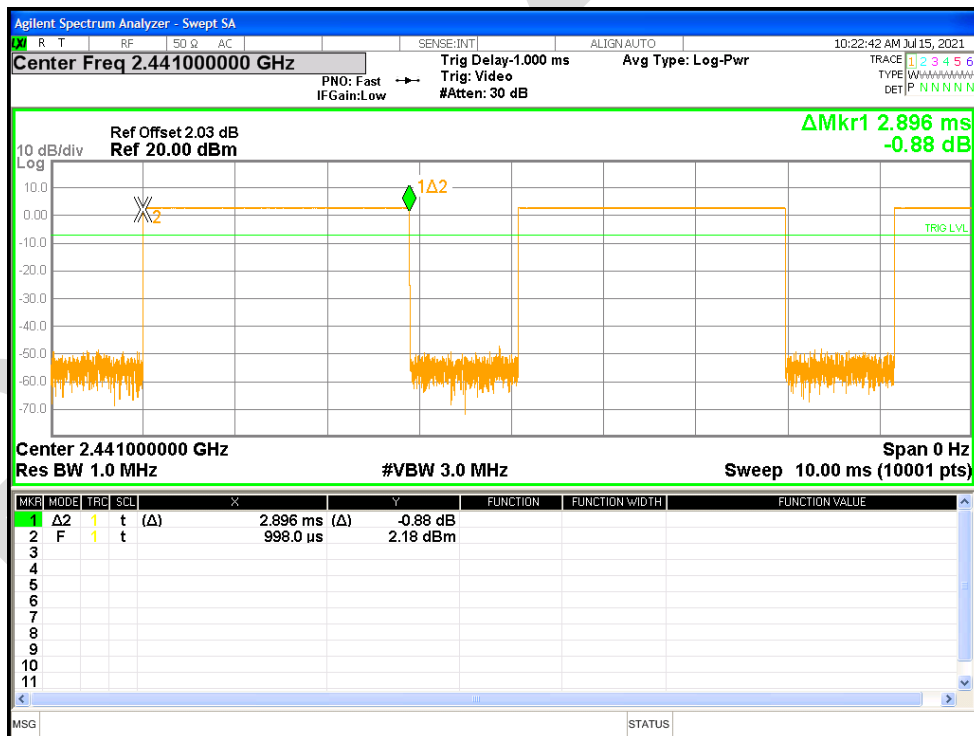
Dwell NVNT 1-DH1 2441MHz Ant1 One Burst



Dwell NVNT 1-DH3 2441MHz Ant1 One Burst



Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

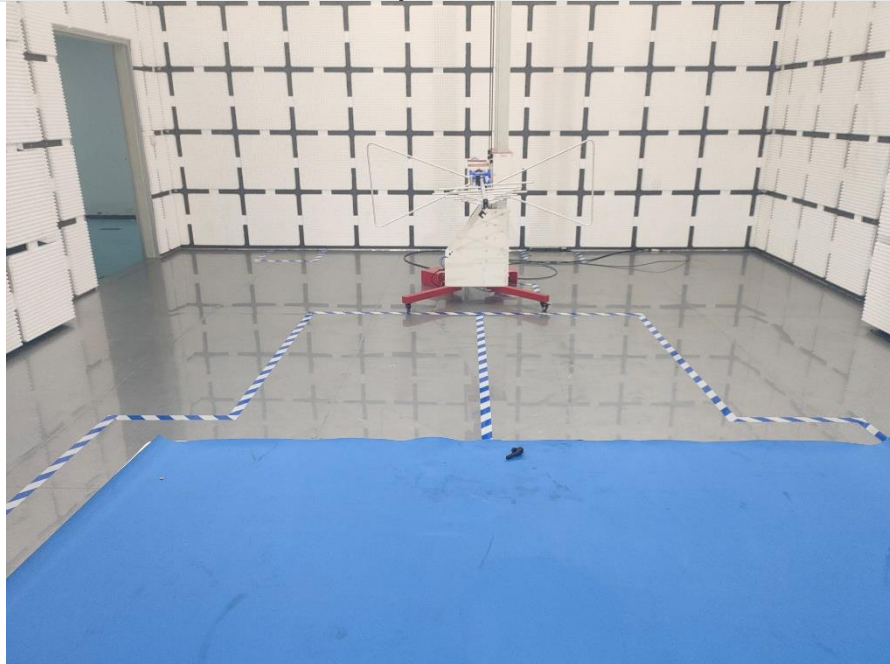


APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Conducted Emissions at AC Power Line (150kHz-30MHz)



Radiated Spurious Emissions



APPENDIX B: PHOTOGRAPHS OF EUT

Reference to the test report No. BLA-EMC-202106-A9701

----END OF REPORT----

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