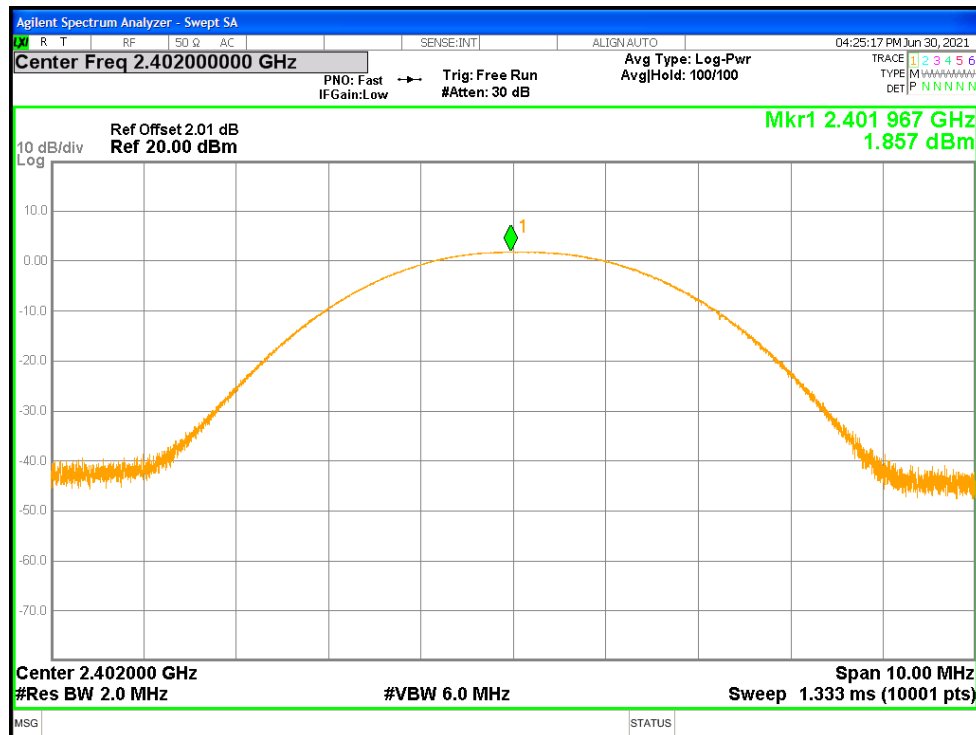


## 21 APPENDIX 1

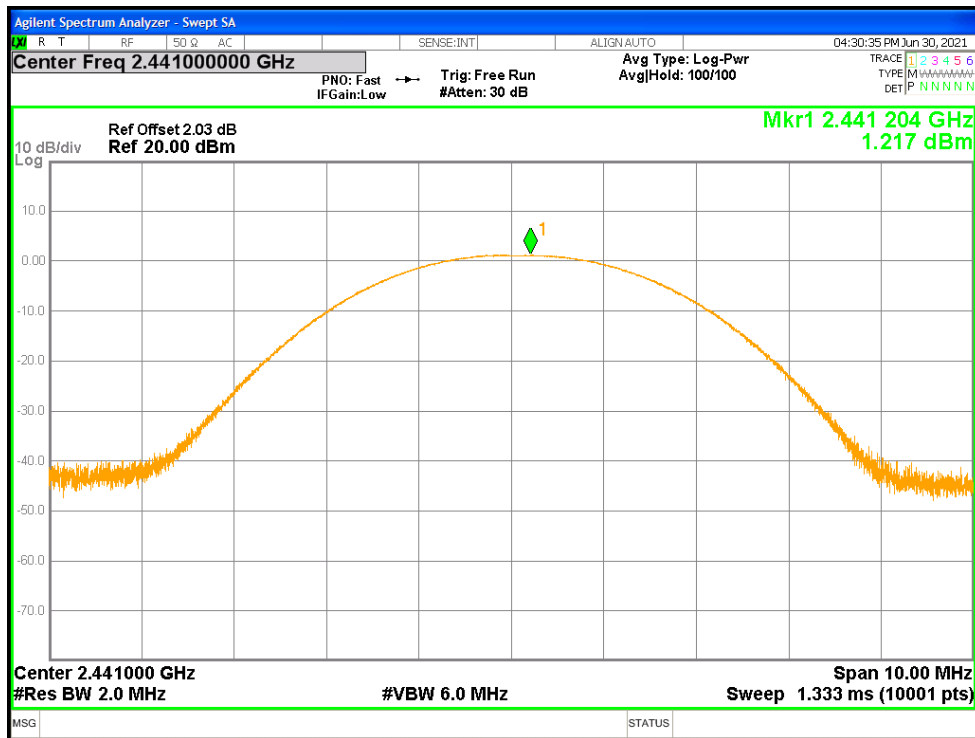
### 21.1 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	1.857	21	Pass
NVNT	1-DH1	2441	Ant1	1.217	21	Pass
NVNT	1-DH1	2480	Ant1	1.268	21	Pass
NVNT	2-DH1	2402	Ant1	2.204	21	Pass
NVNT	2-DH1	2441	Ant1	1.528	21	Pass
NVNT	2-DH1	2480	Ant1	1.6	21	Pass
NVNT	3-DH1	2402	Ant1	2.387	21	Pass
NVNT	3-DH1	2441	Ant1	1.77	21	Pass
NVNT	3-DH1	2480	Ant1	1.843	21	Pass

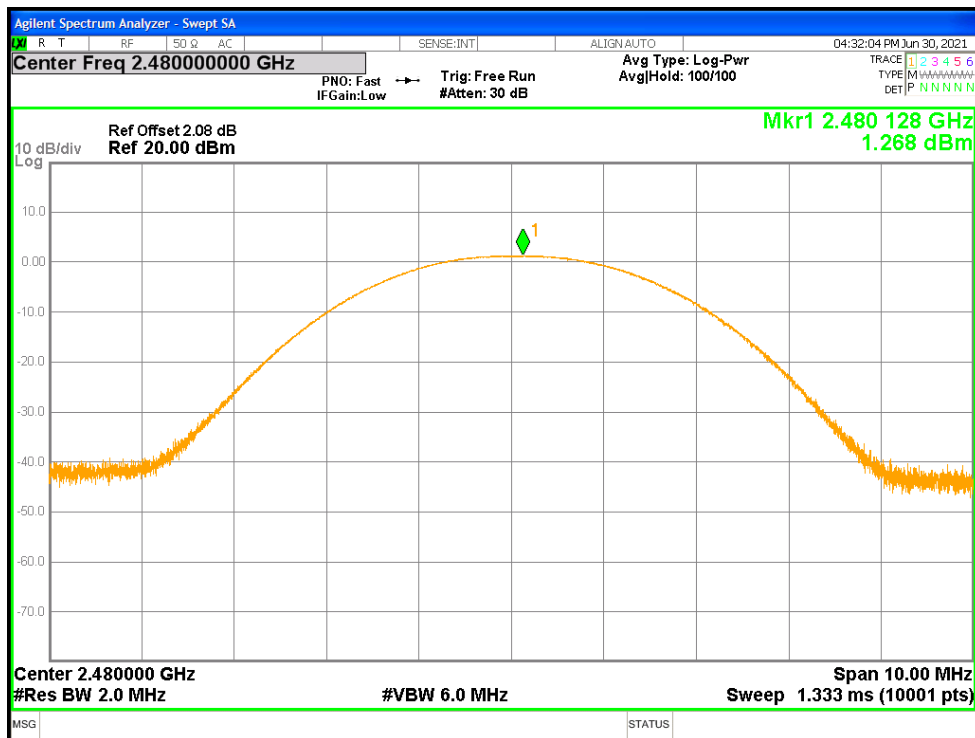
Power NVNT 1-DH1 2402MHz Ant1



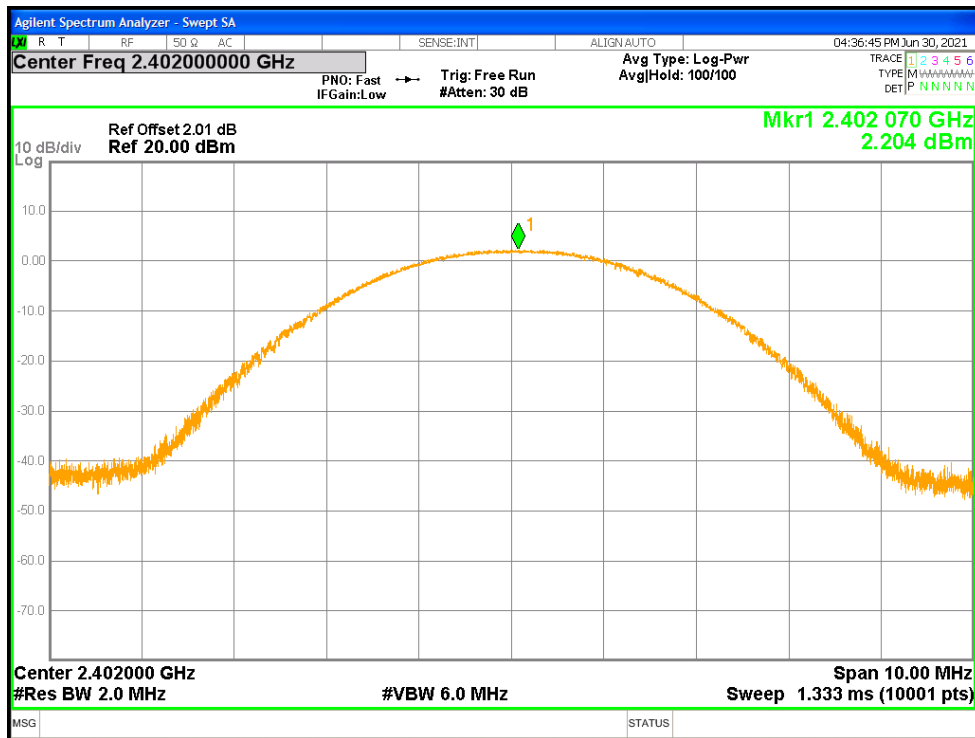
Power NVNT 1-DH1 2441MHz Ant1



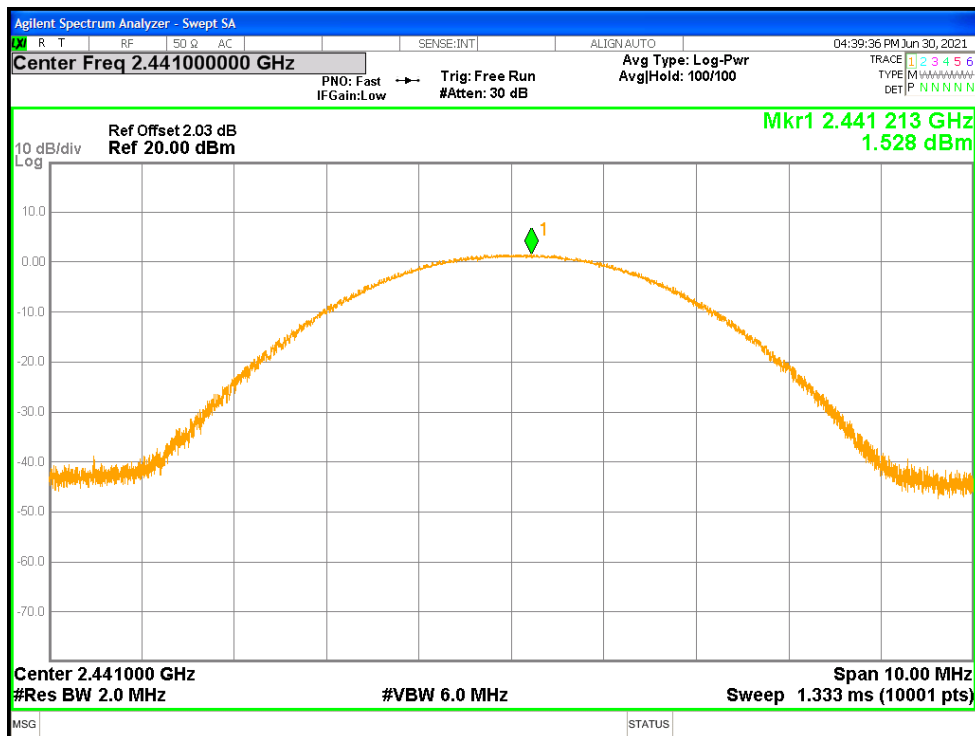
Power NVNT 1-DH1 2480MHz Ant1



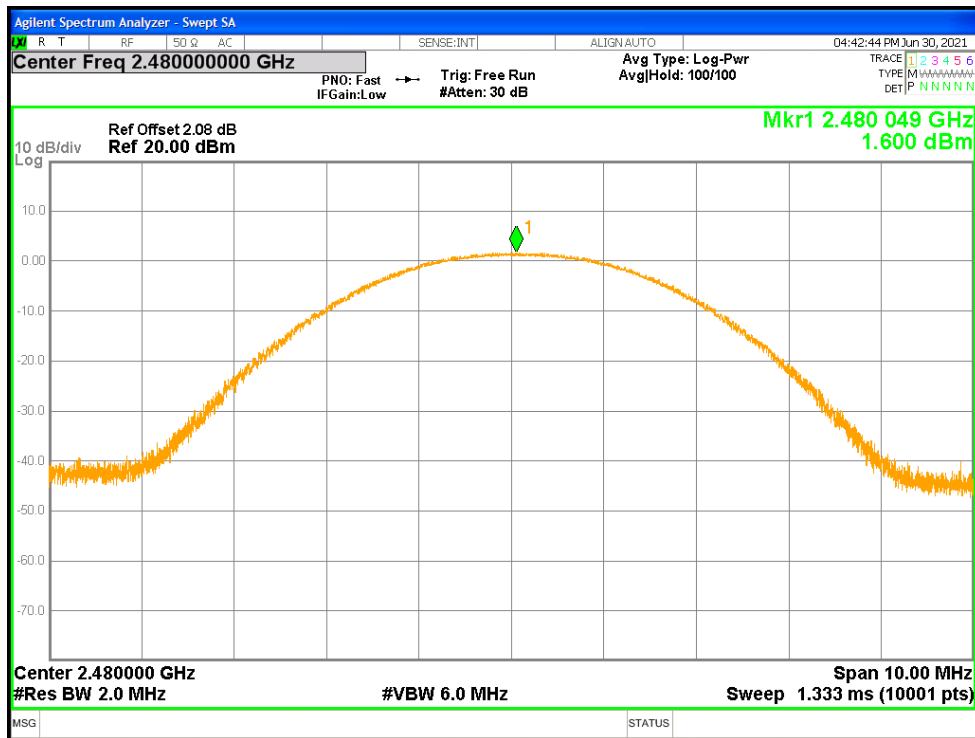
Power NVNT 2-DH1 2402MHz Ant1



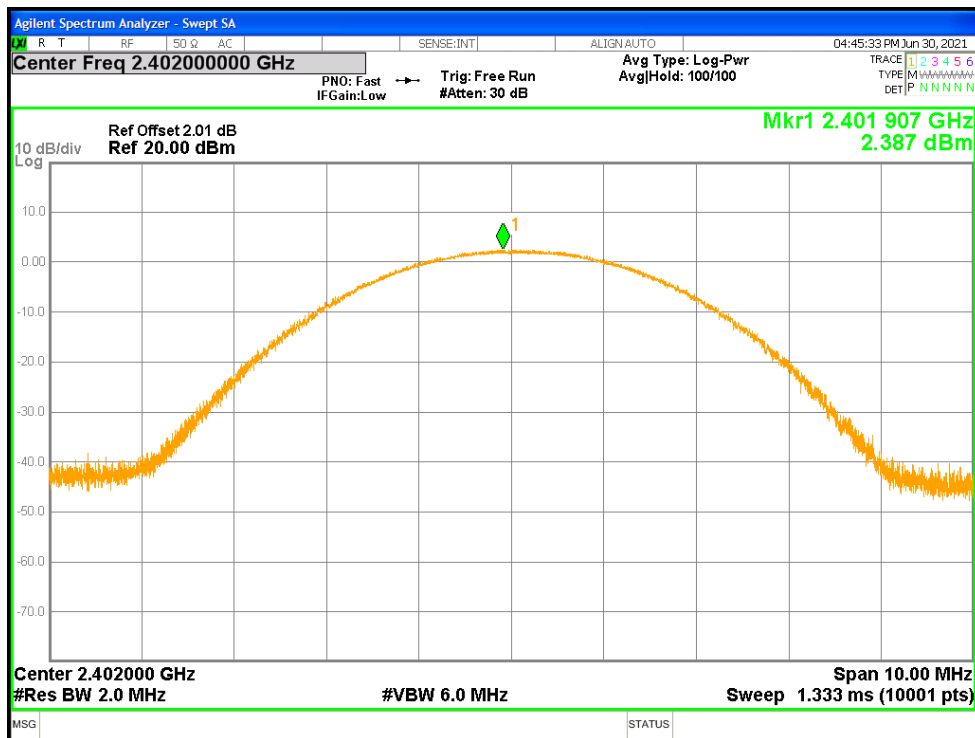
Power NVNT 2-DH1 2441MHz Ant1



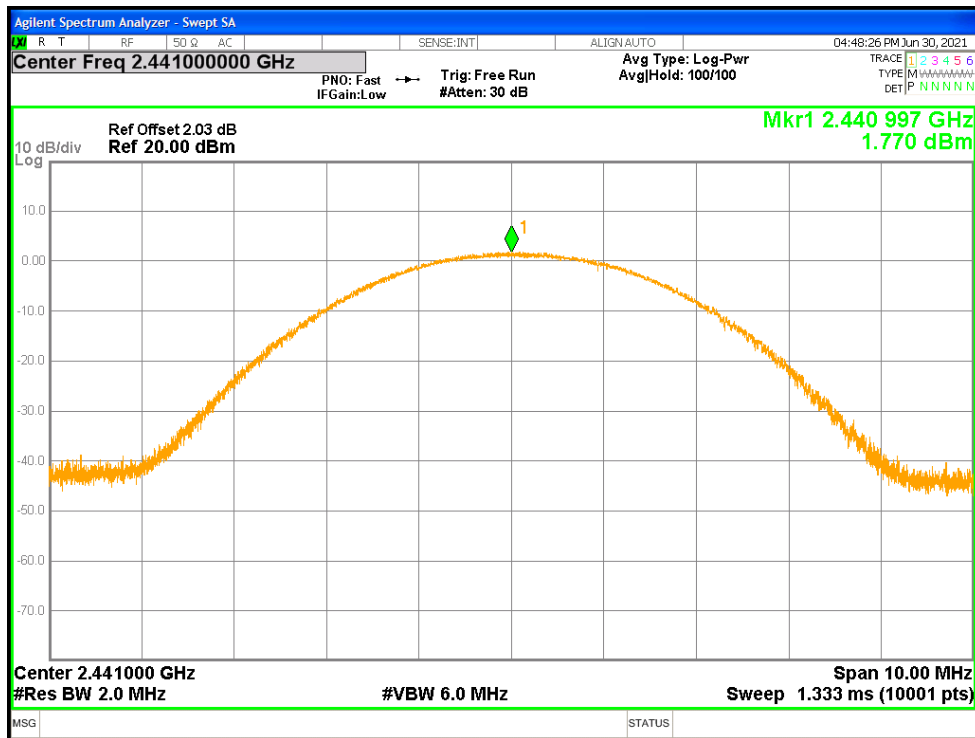
Power NVNT 2-DH1 2480MHz Ant1



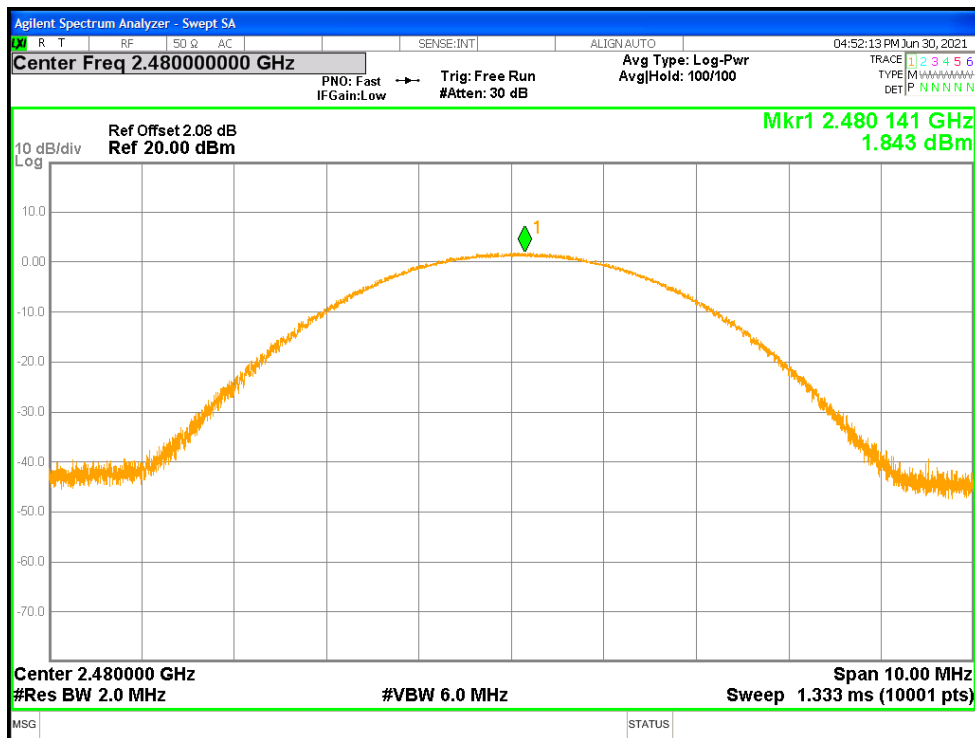
Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



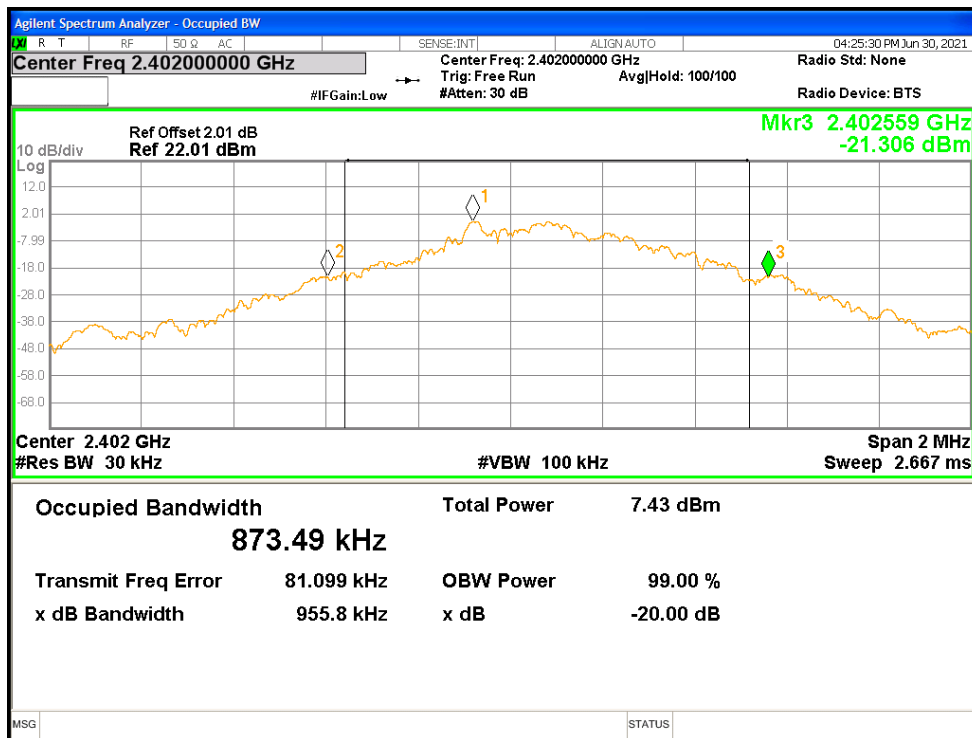
Power NVNT 3-DH1 2480MHz Ant1



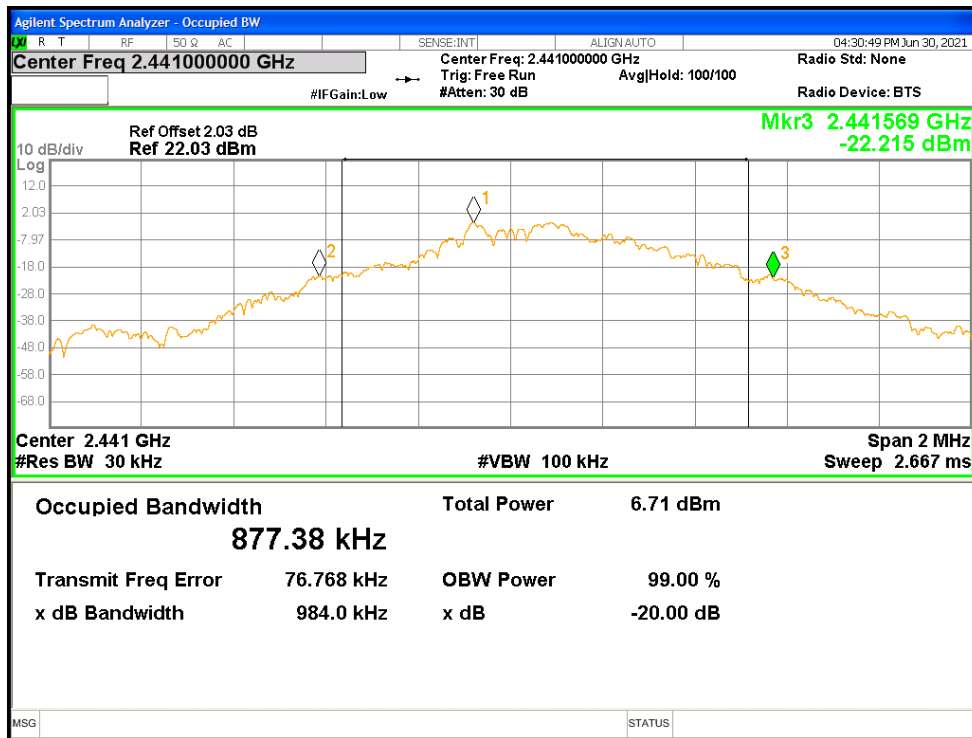
**21.2 -20DB BANDWIDTH**

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.956	0	Pass
NVNT	1-DH1	2441	Ant1	0.984	0	Pass
NVNT	1-DH1	2480	Ant1	0.99	0	Pass
NVNT	2-DH1	2402	Ant1	1.248	0	Pass
NVNT	2-DH1	2441	Ant1	1.23	0	Pass
NVNT	2-DH1	2480	Ant1	1.248	0	Pass
NVNT	3-DH1	2402	Ant1	1.218	0	Pass
NVNT	3-DH1	2441	Ant1	1.214	0	Pass
NVNT	3-DH1	2480	Ant1	1.219	0	Pass

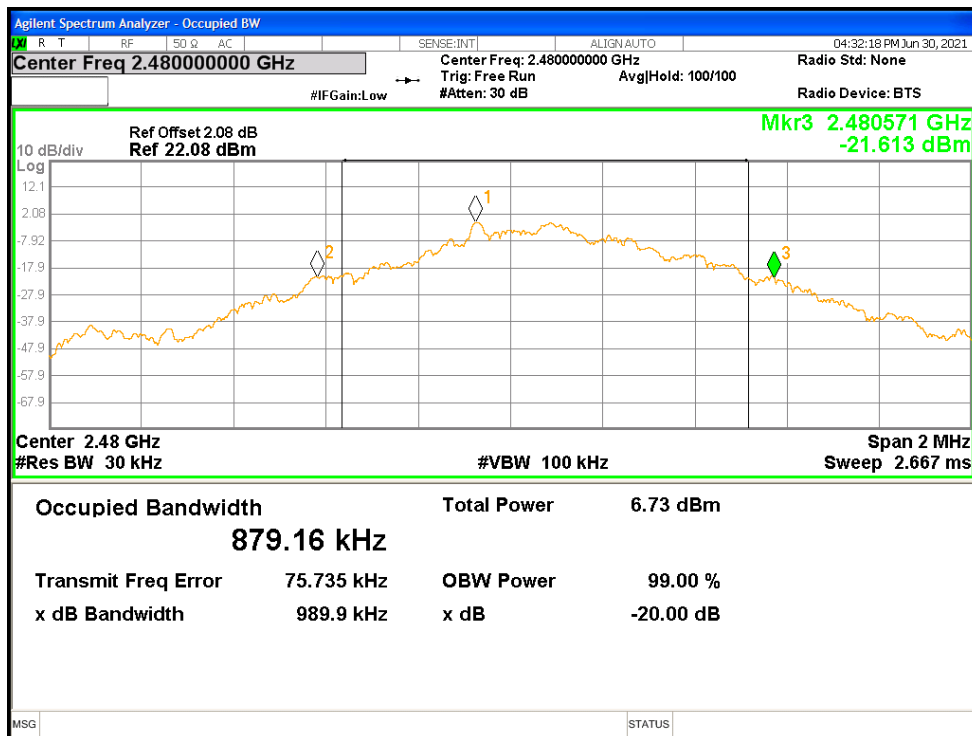
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



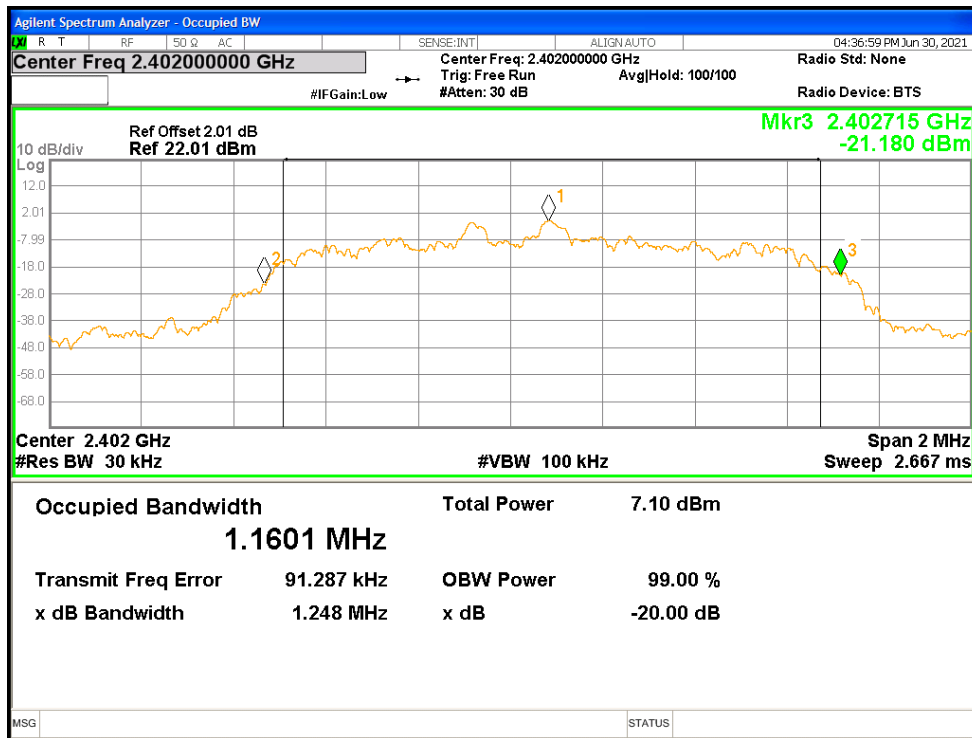
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



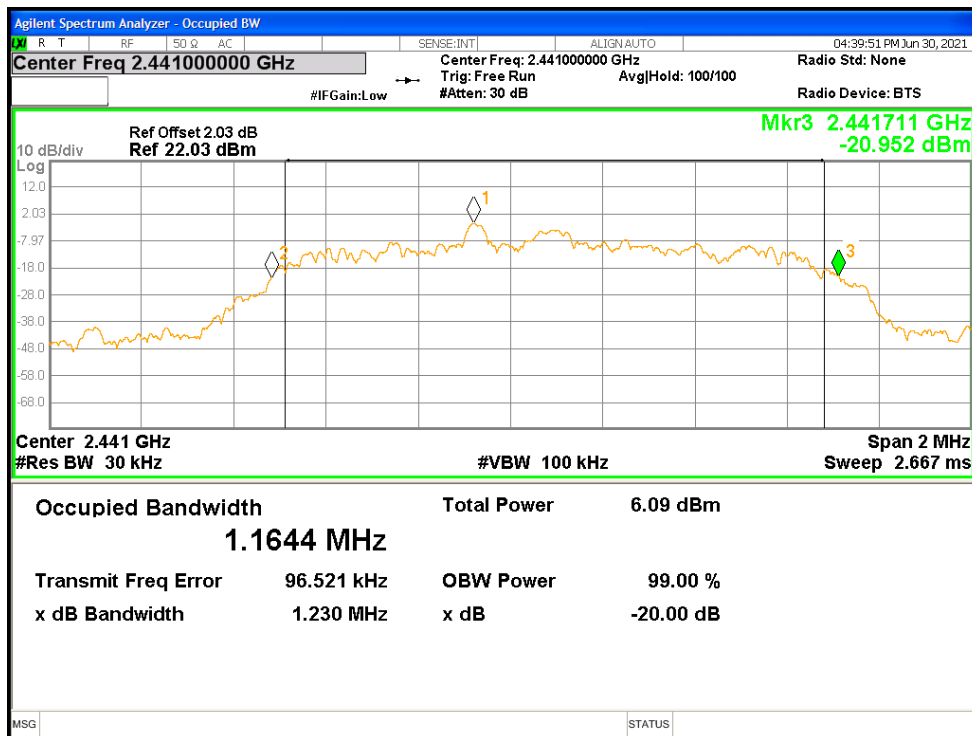
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1

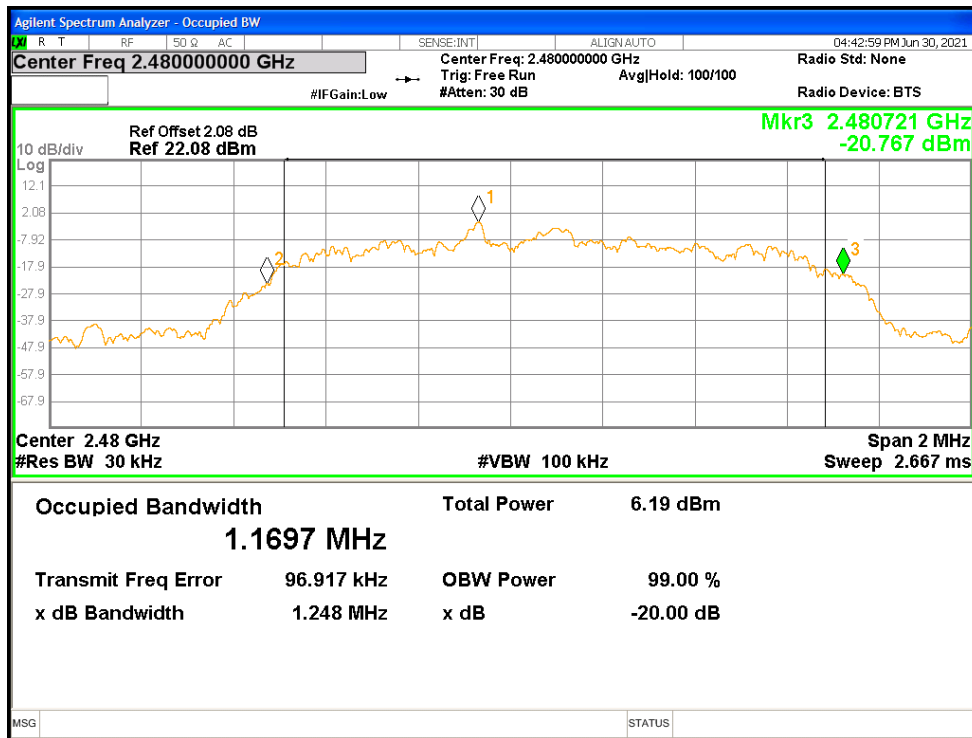


-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1

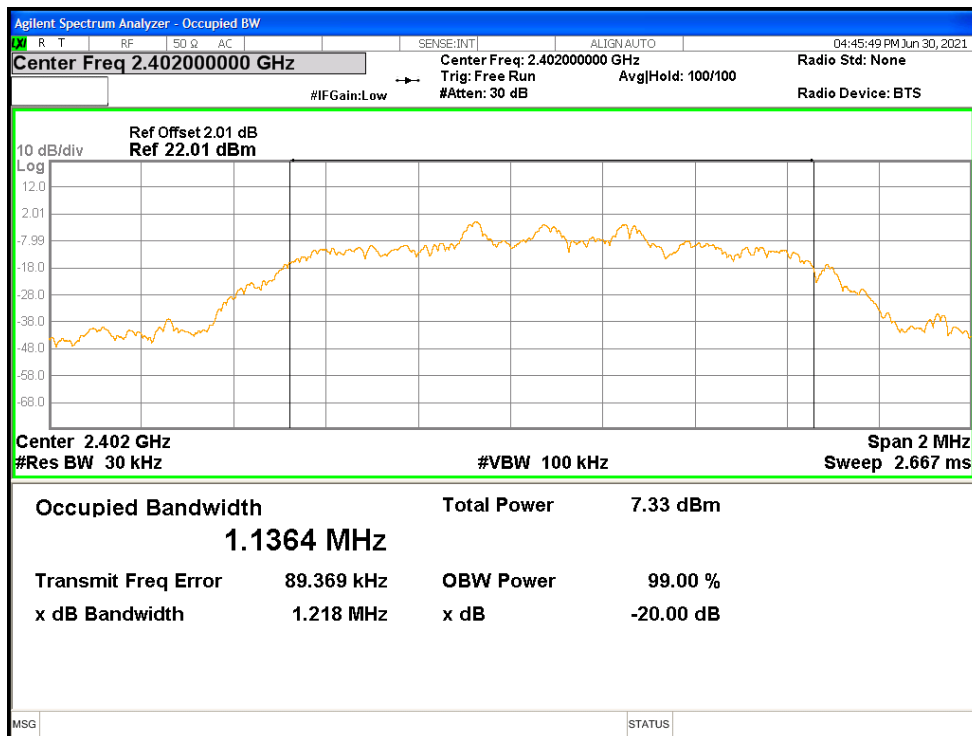


-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

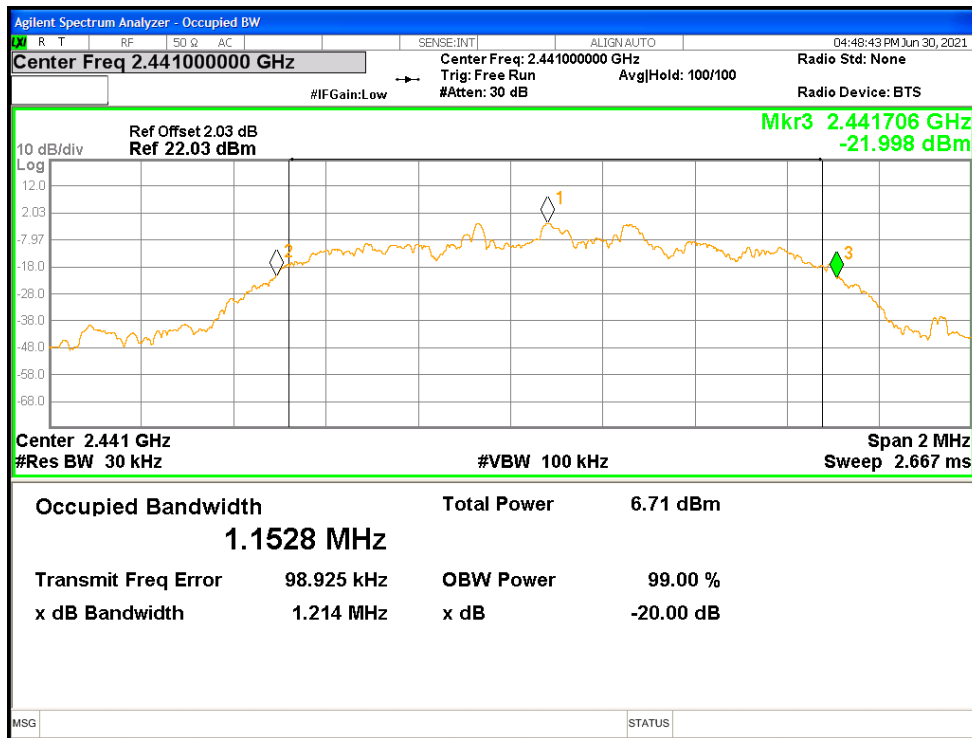




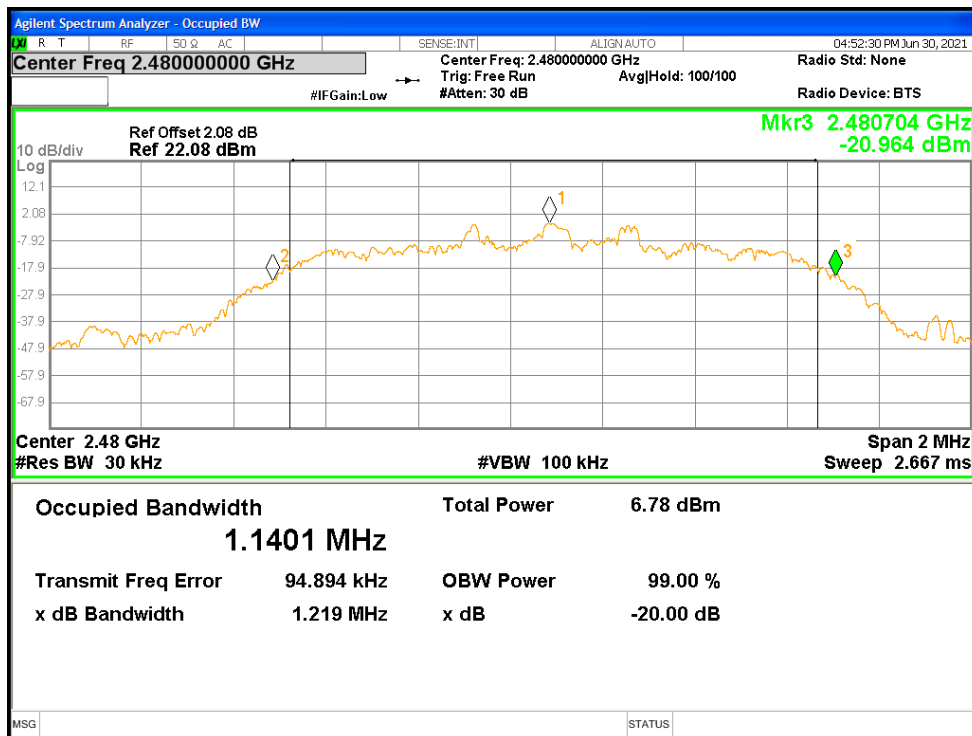
-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



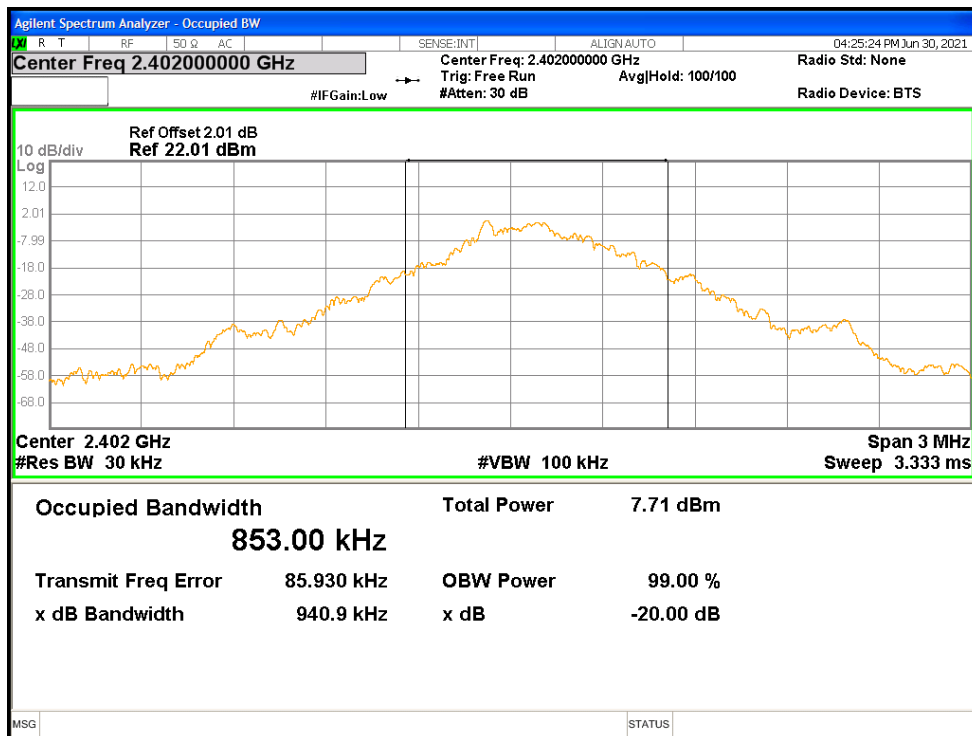
-20dB Bandwidth NVNT 3-DH1 2480MHz Ant1



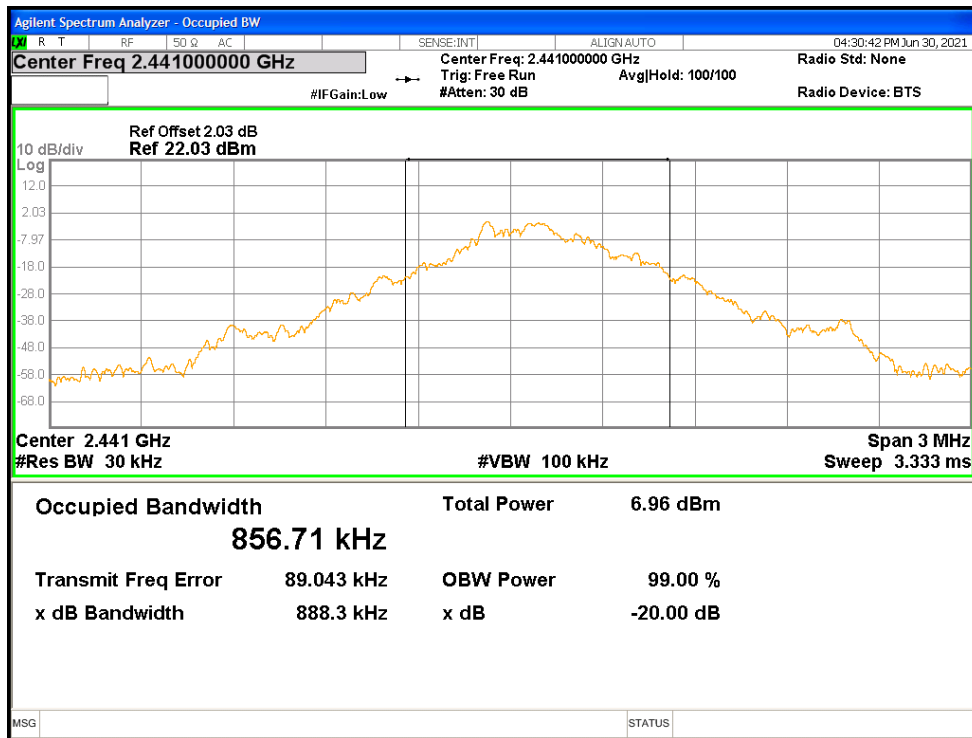
### 21.3 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.8530008444
NVNT	1-DH1	2441	Ant1	0.8567090177
NVNT	1-DH1	2480	Ant1	0.8862038518
NVNT	2-DH1	2402	Ant1	1.160974265
NVNT	2-DH1	2441	Ant1	1.171438599
NVNT	2-DH1	2480	Ant1	1.16488914
NVNT	3-DH1	2402	Ant1	1.147221919
NVNT	3-DH1	2441	Ant1	1.14067104
NVNT	3-DH1	2480	Ant1	1.133755755

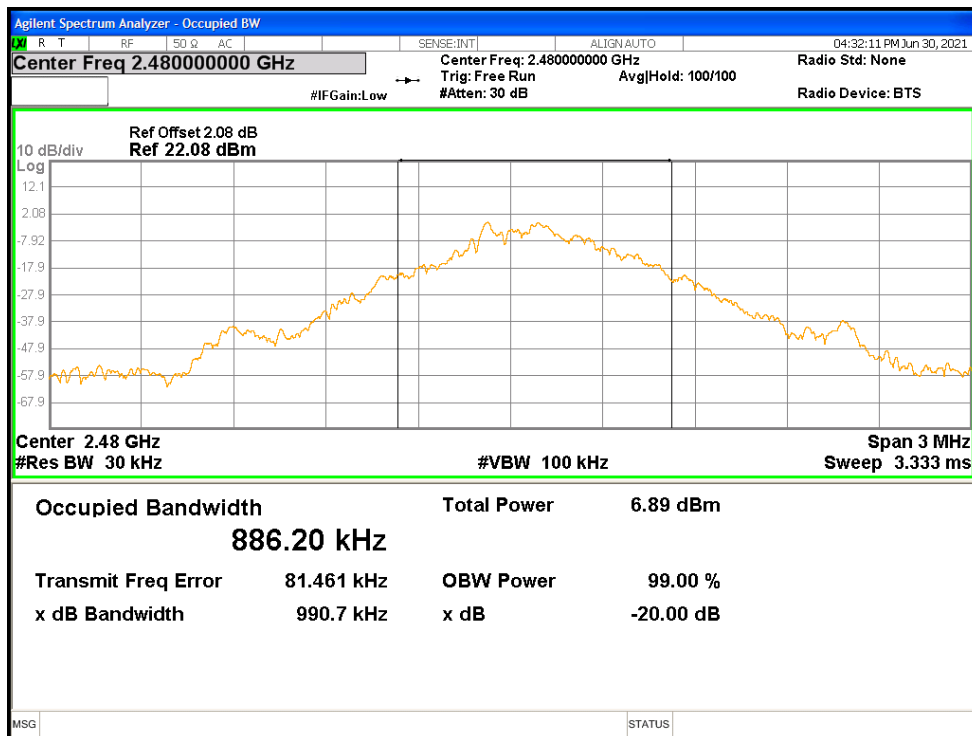
OBW NVNT 1-DH1 2402MHz Ant1



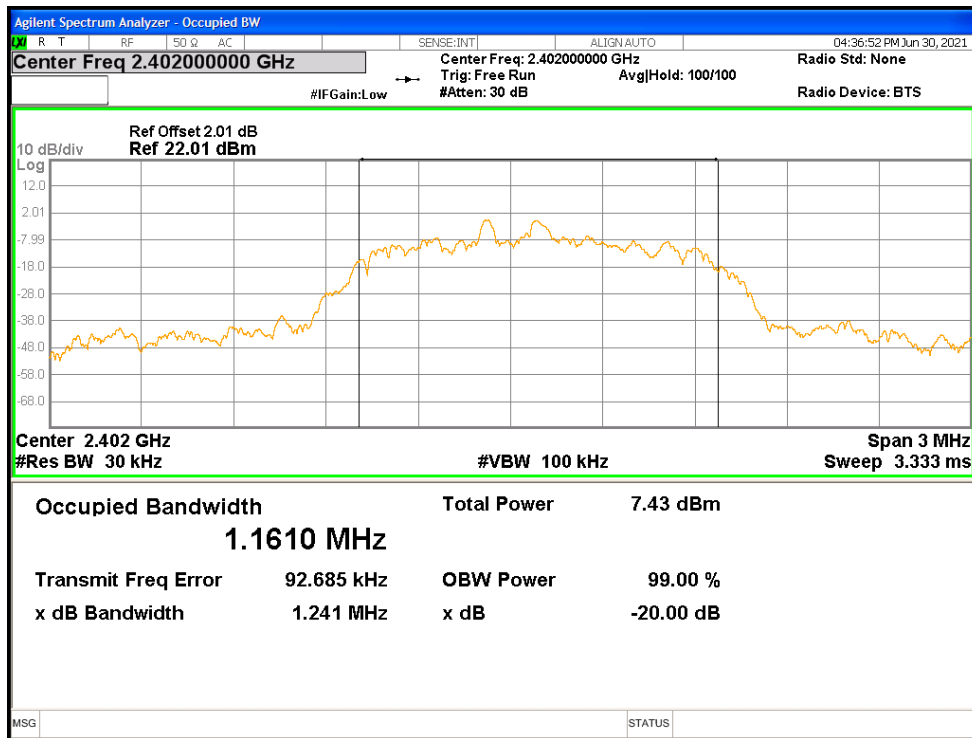
OBW NVNT 1-DH1 2441MHz Ant1



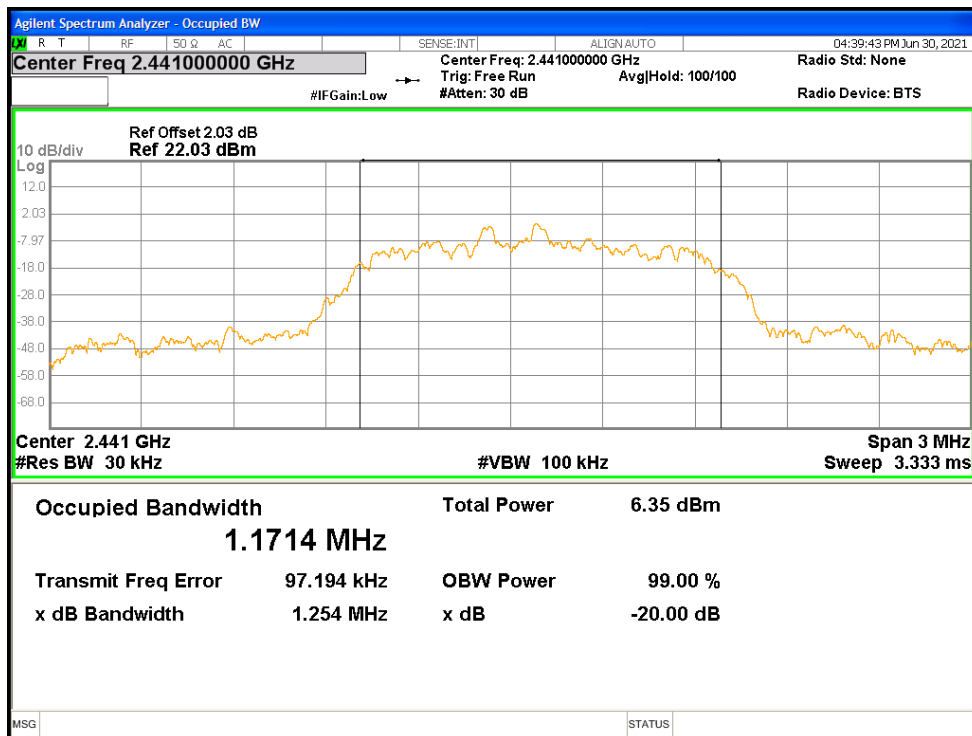
OBW NVNT 1-DH1 2480MHz Ant1



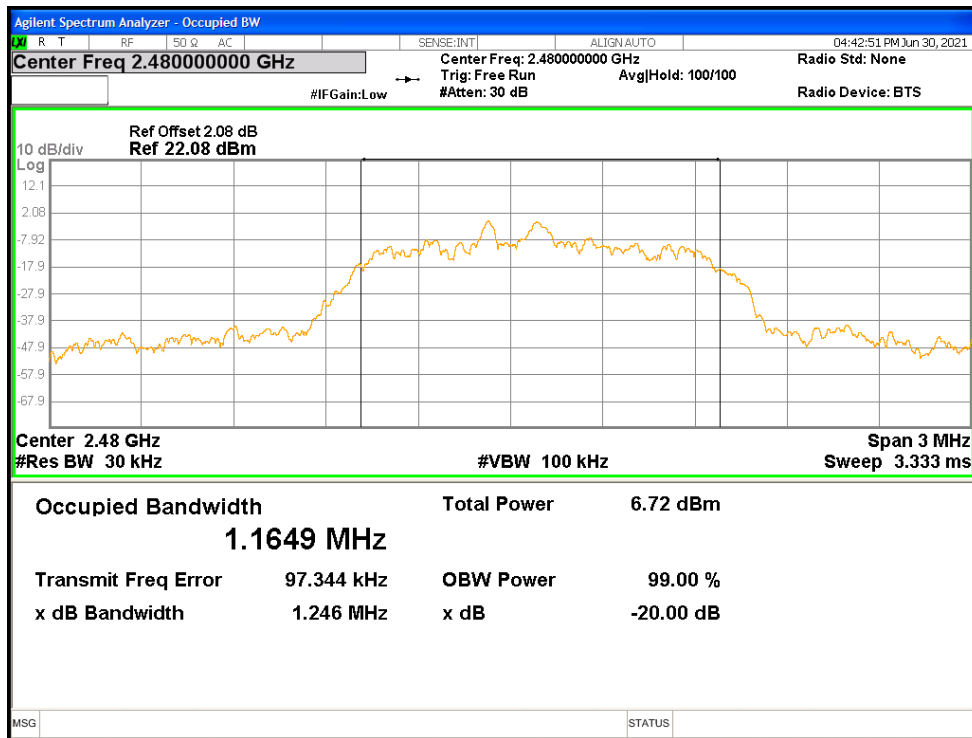
OBW NVNT 2-DH1 2402MHz Ant1



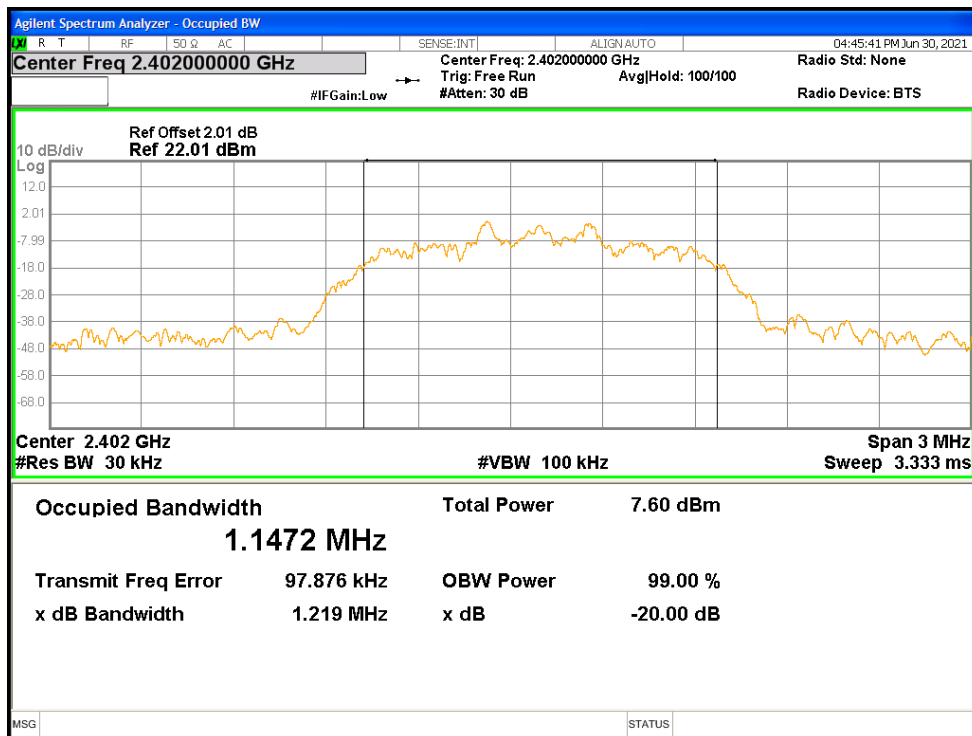
OBW NVNT 2-DH1 2441MHz Ant1



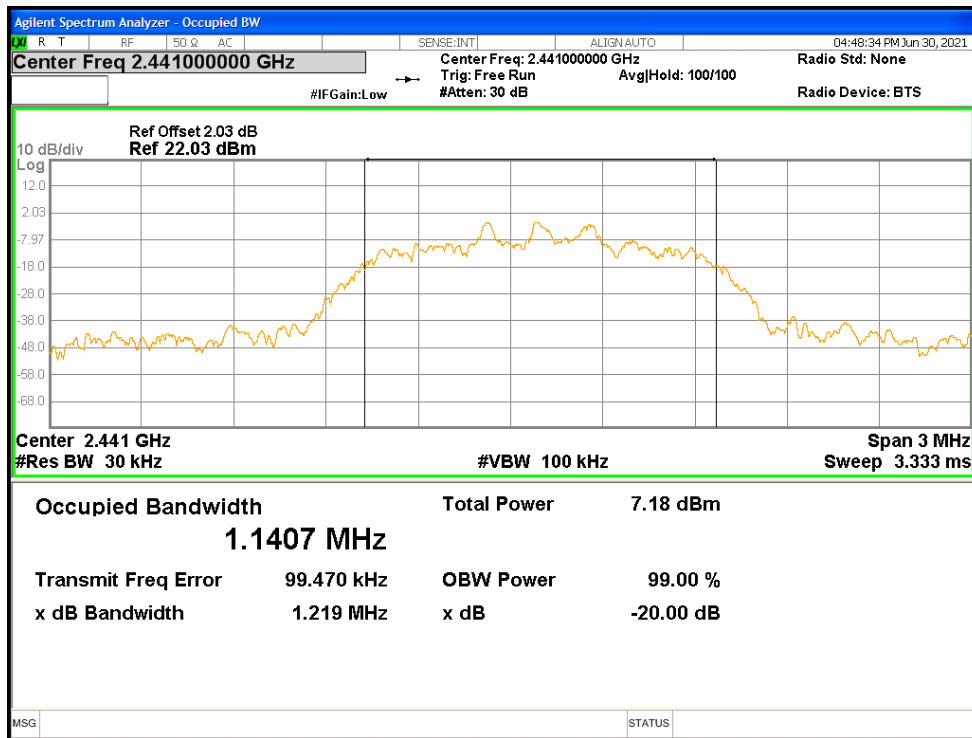
OBW NVNT 2-DH1 2480MHz Ant1



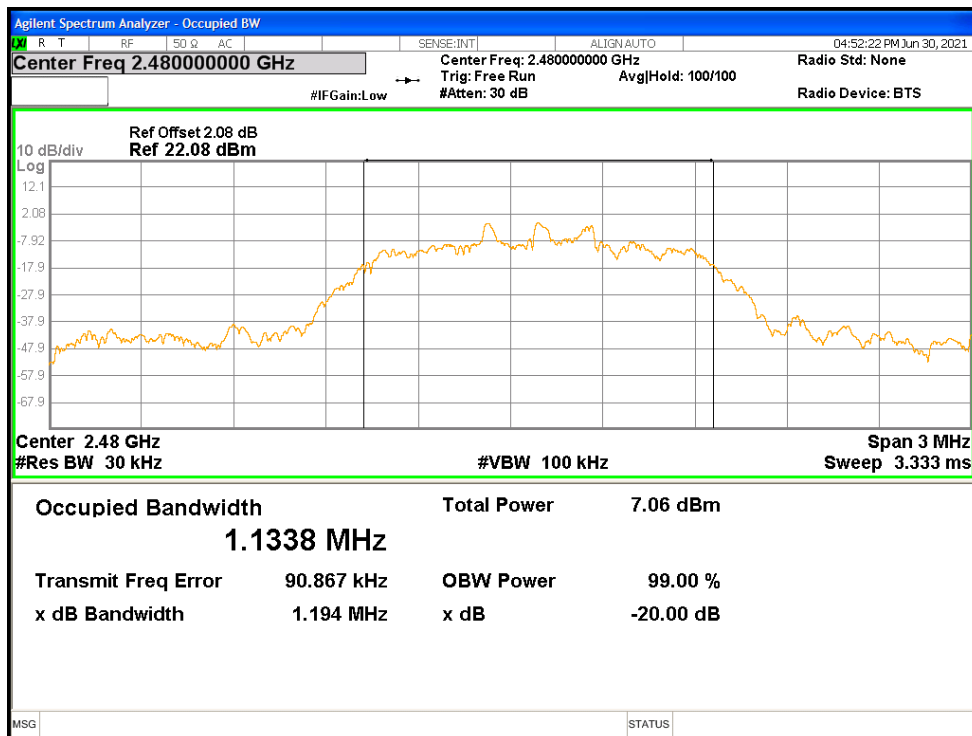
OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



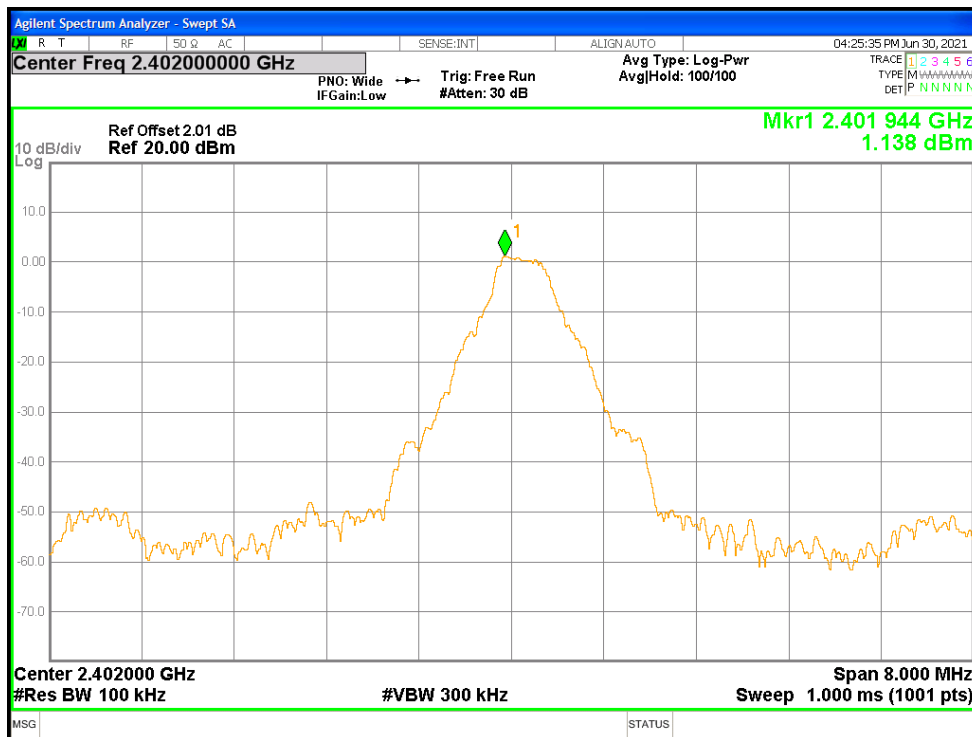
OBW NVNT 3-DH1 2480MHz Ant1



### 21.4 BAND EDGE

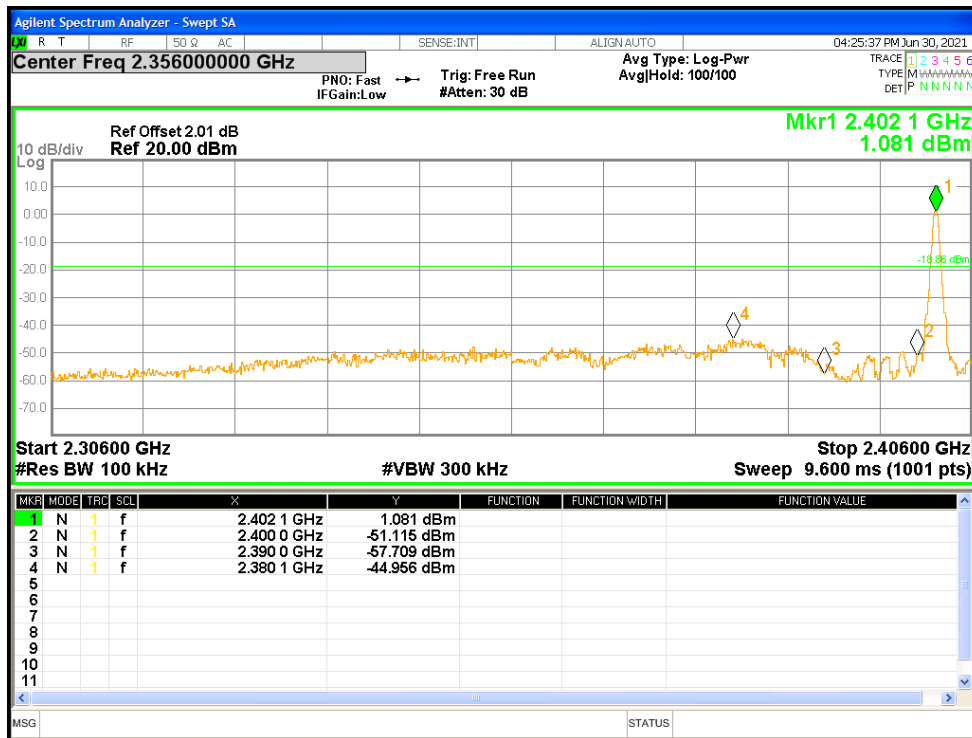
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-46.09	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-50.7	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-45.24	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-51.29	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-47.06	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-49.24	-20	Pass

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

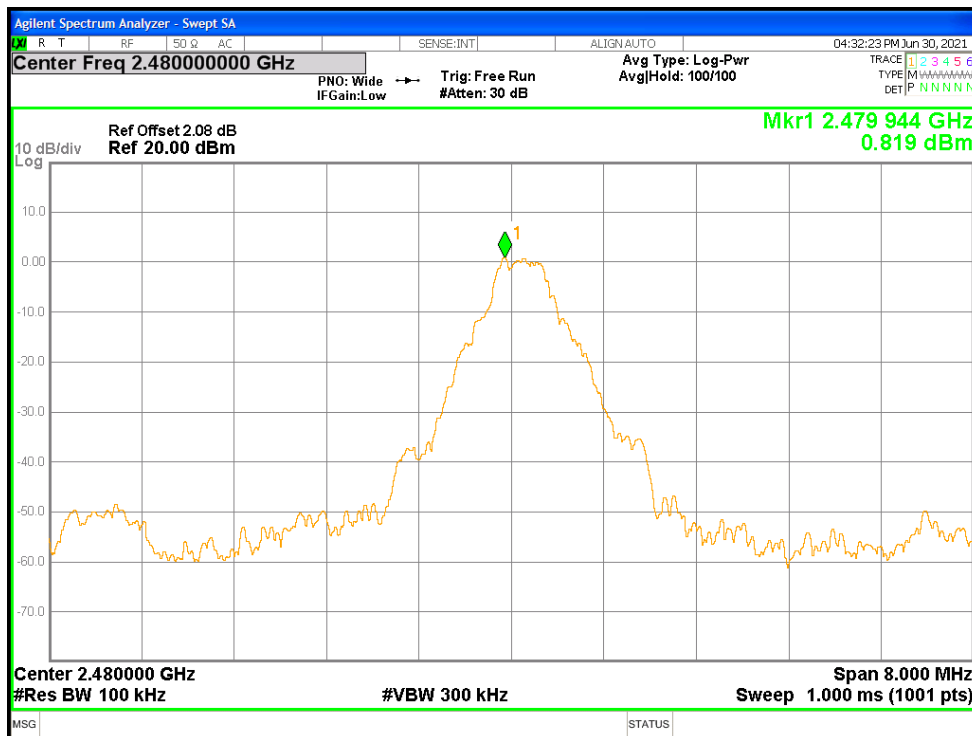


Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission

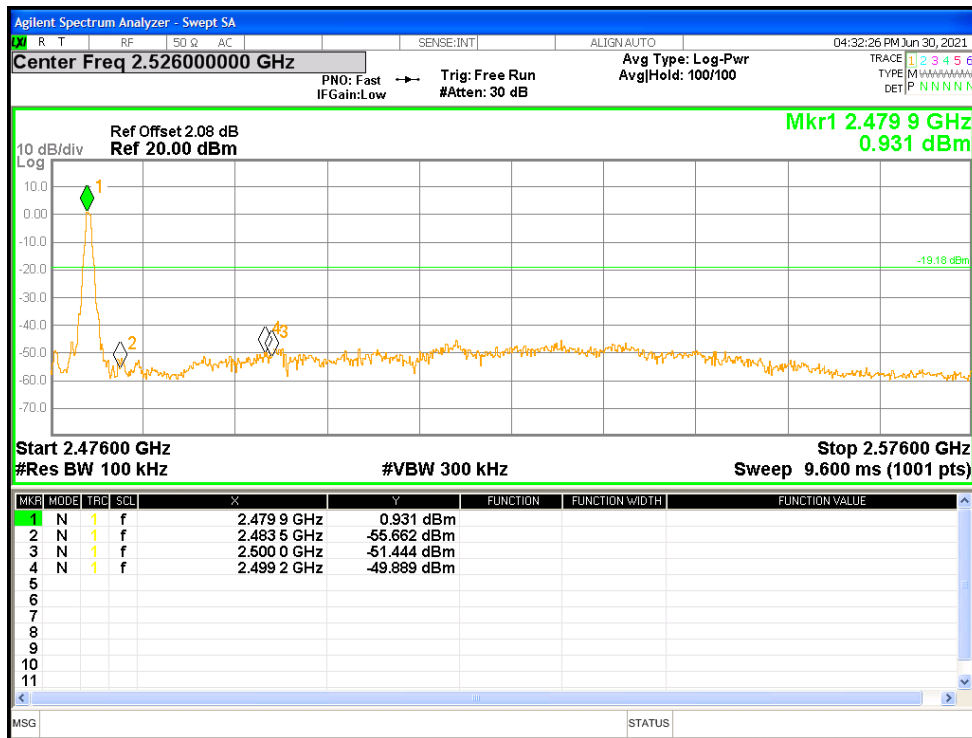




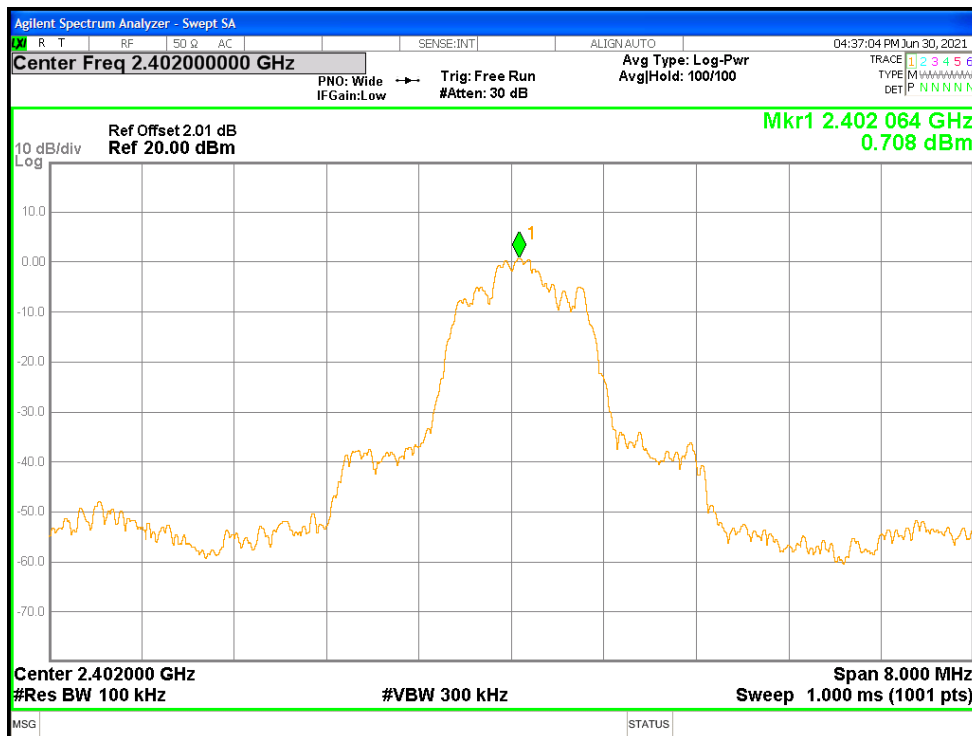
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



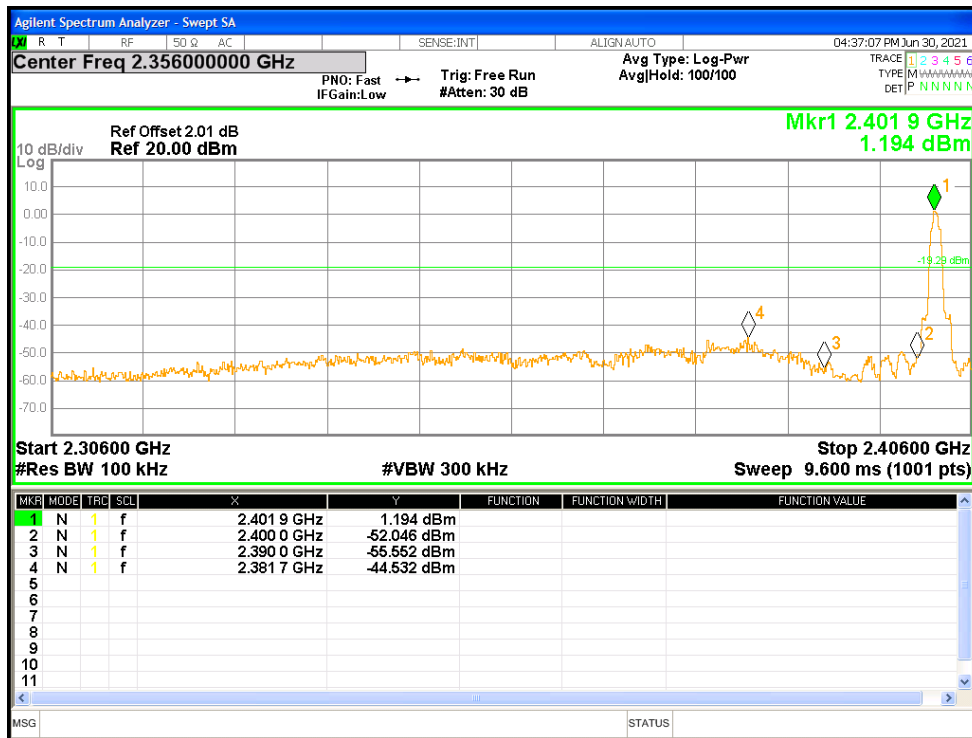
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



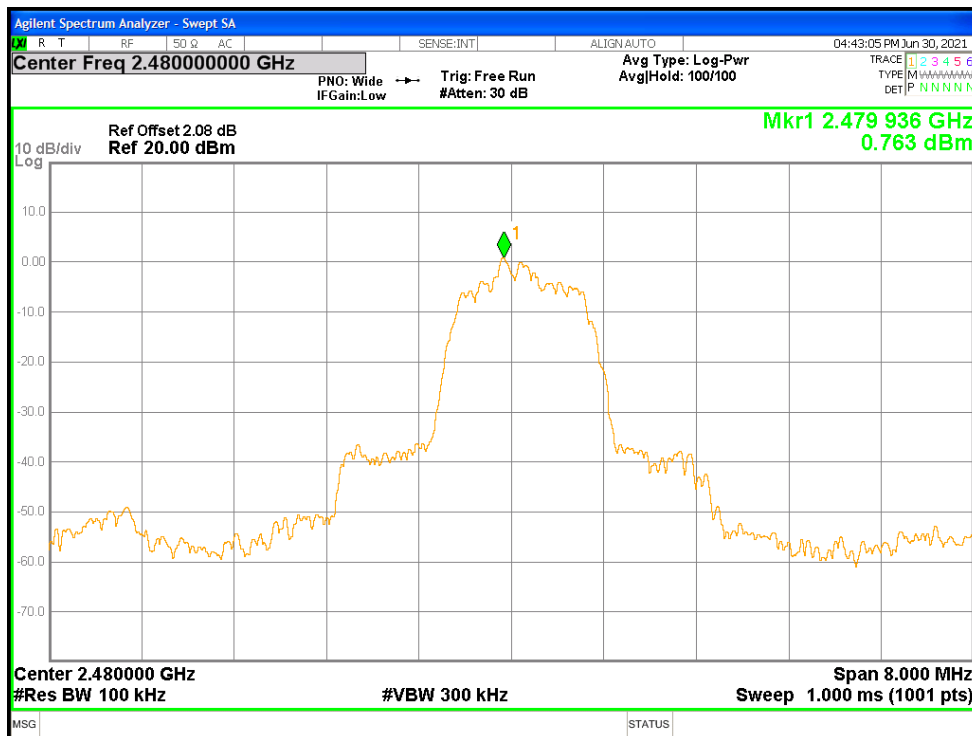
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



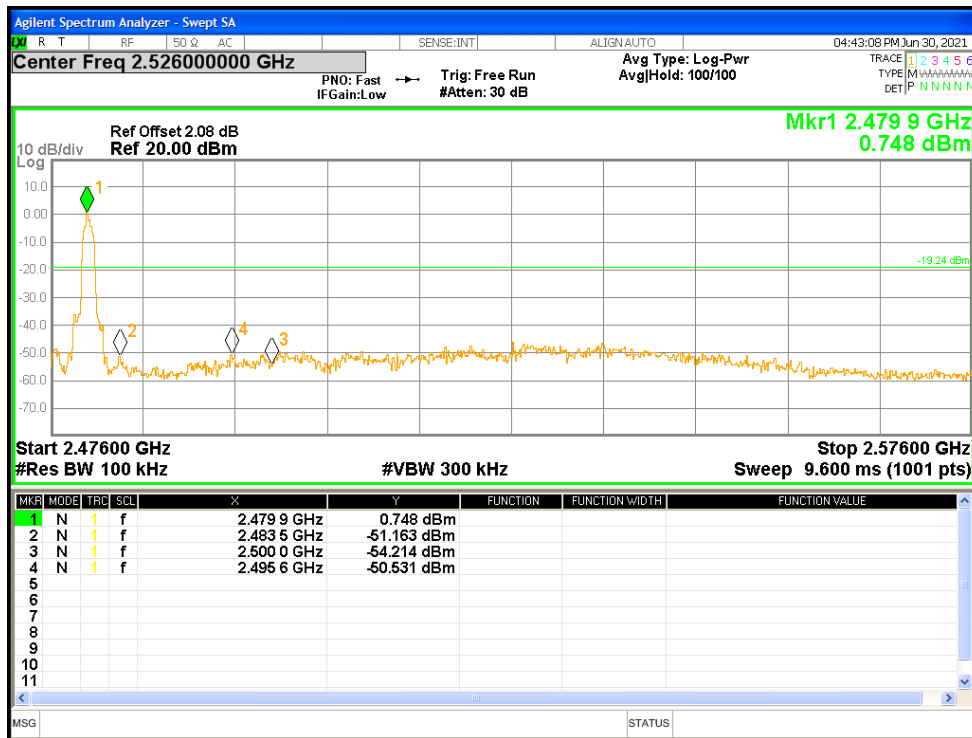
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



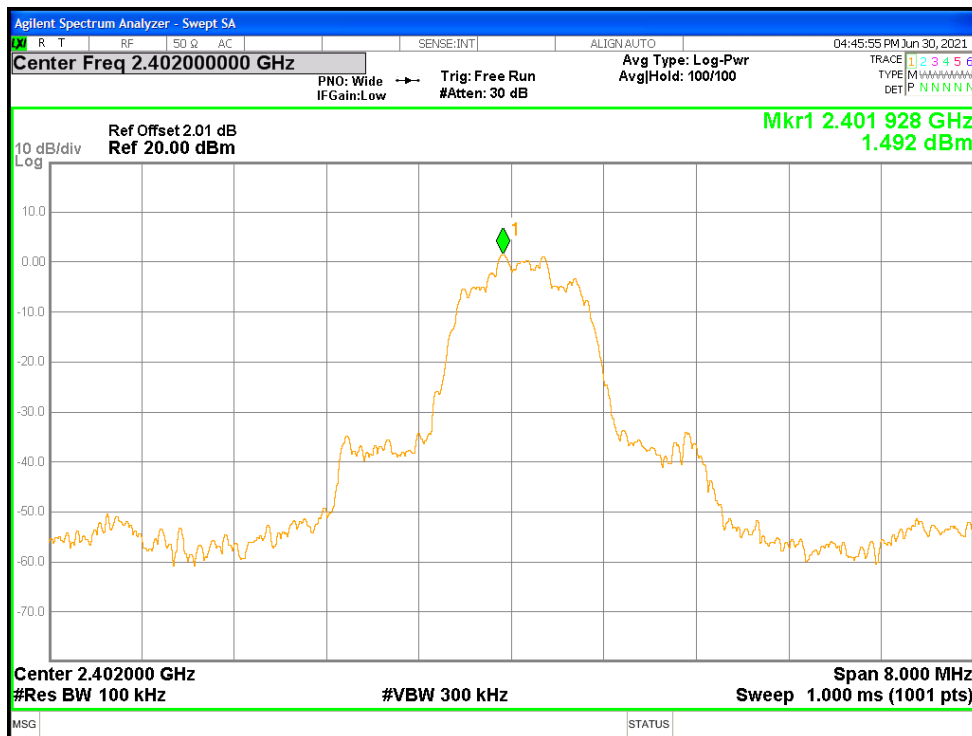
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



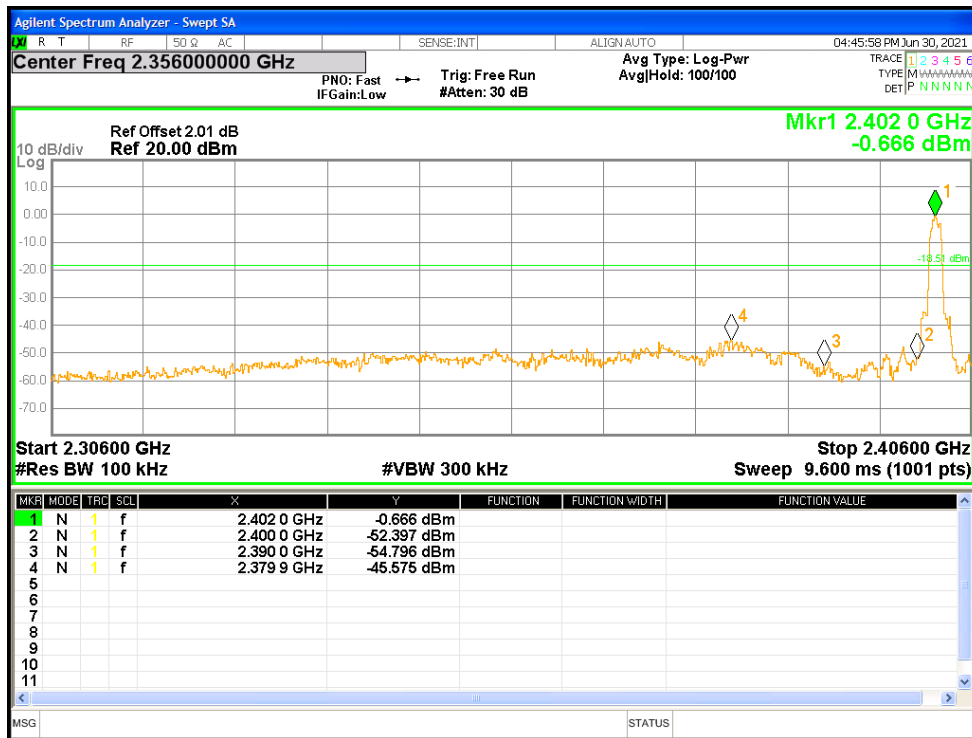
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



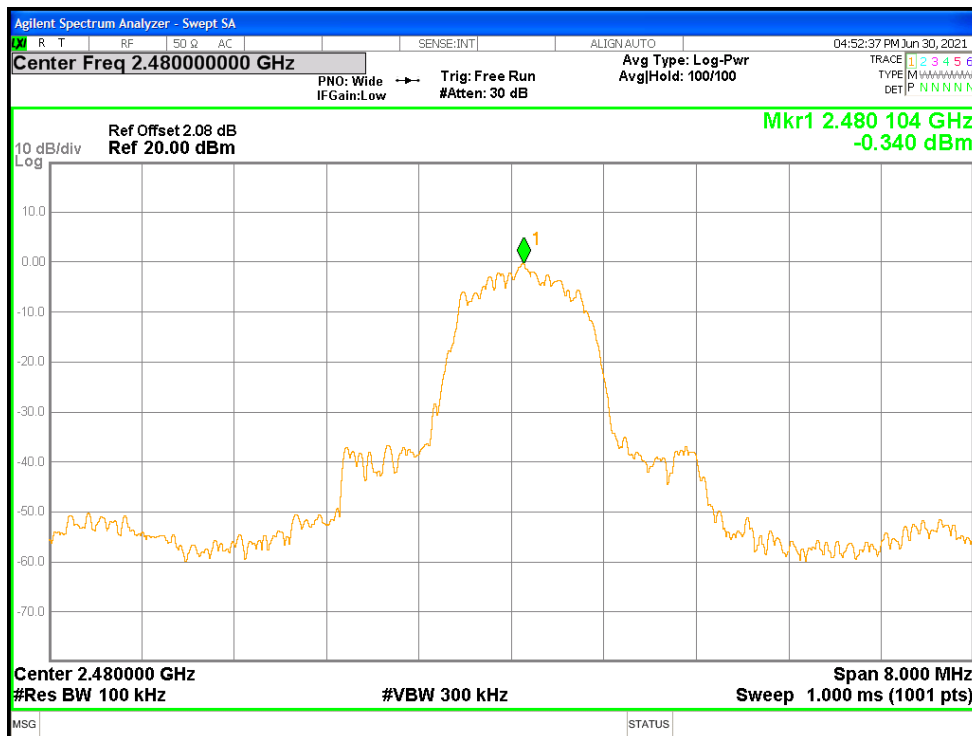
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



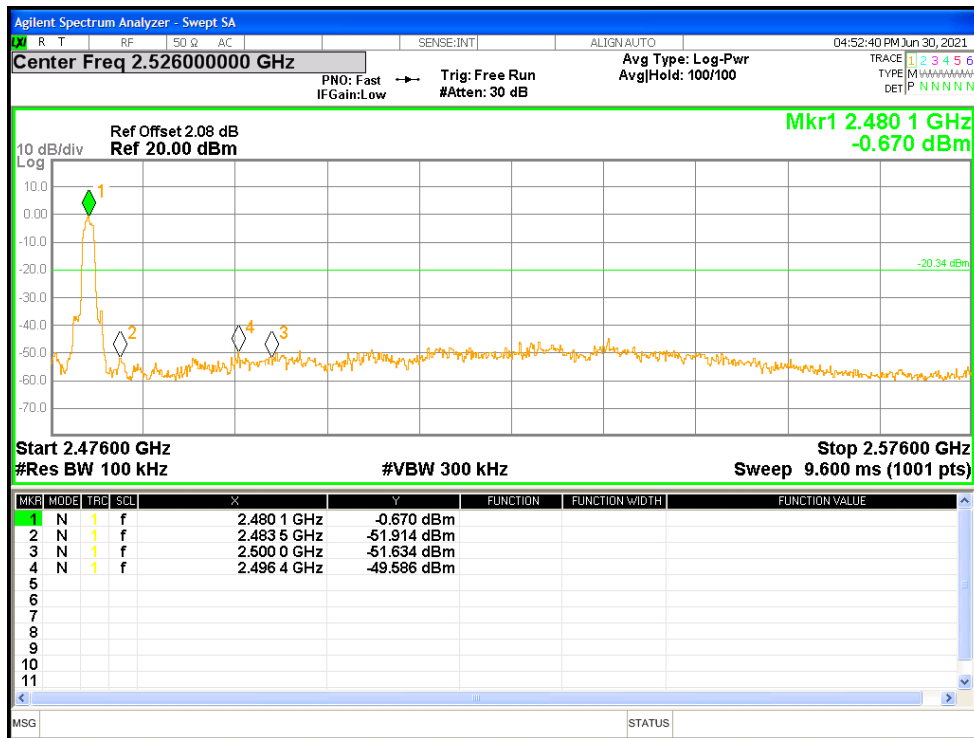
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



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



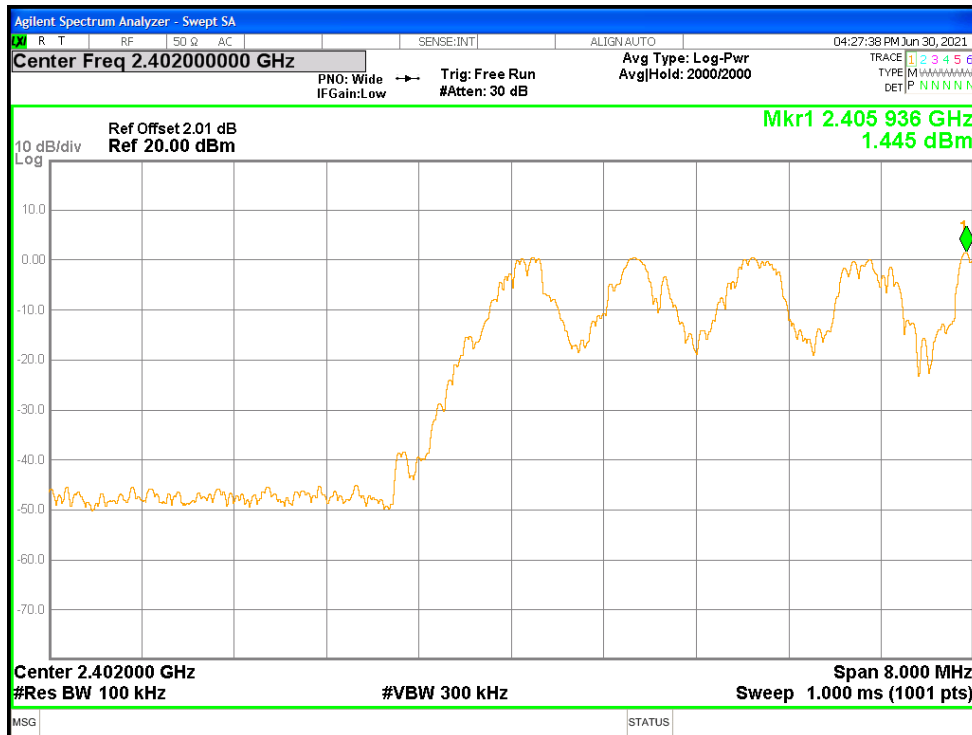
Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission



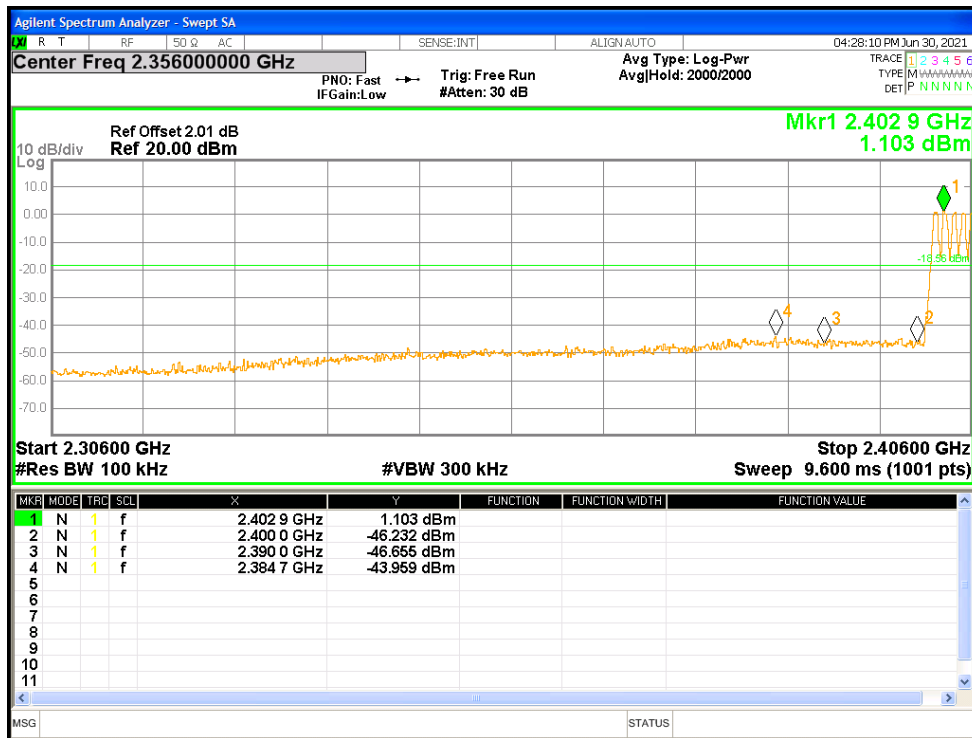
### 21.5 BAND EDGE(HOPPING)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-45.4	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-46.32	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-44.73	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-46.03	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-46.14	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-46.76	-20	Pass

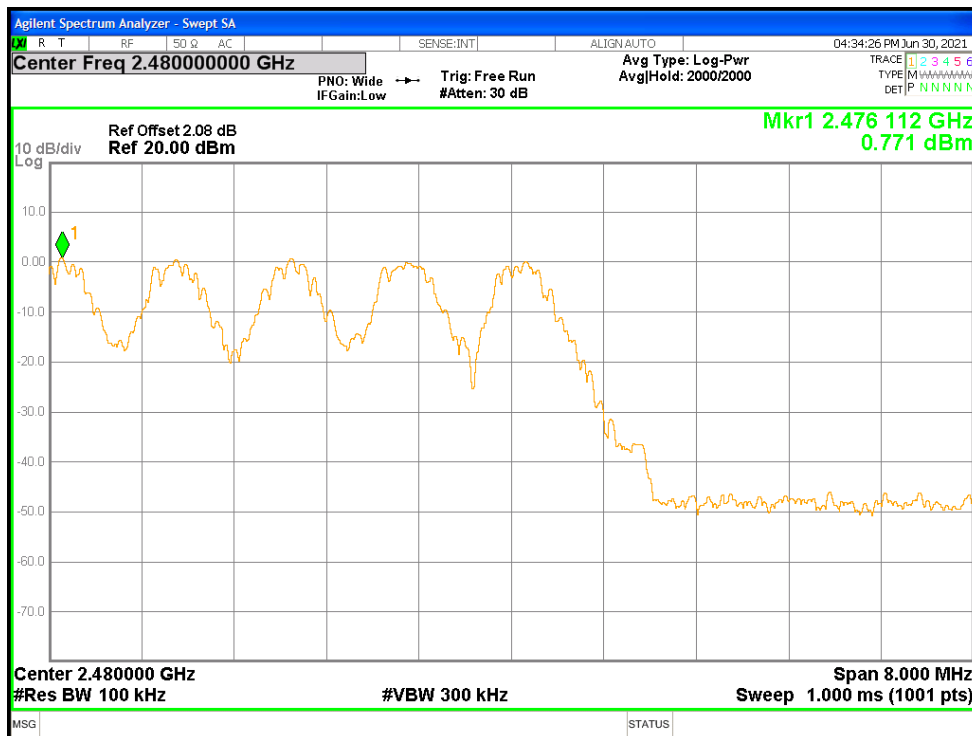
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



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

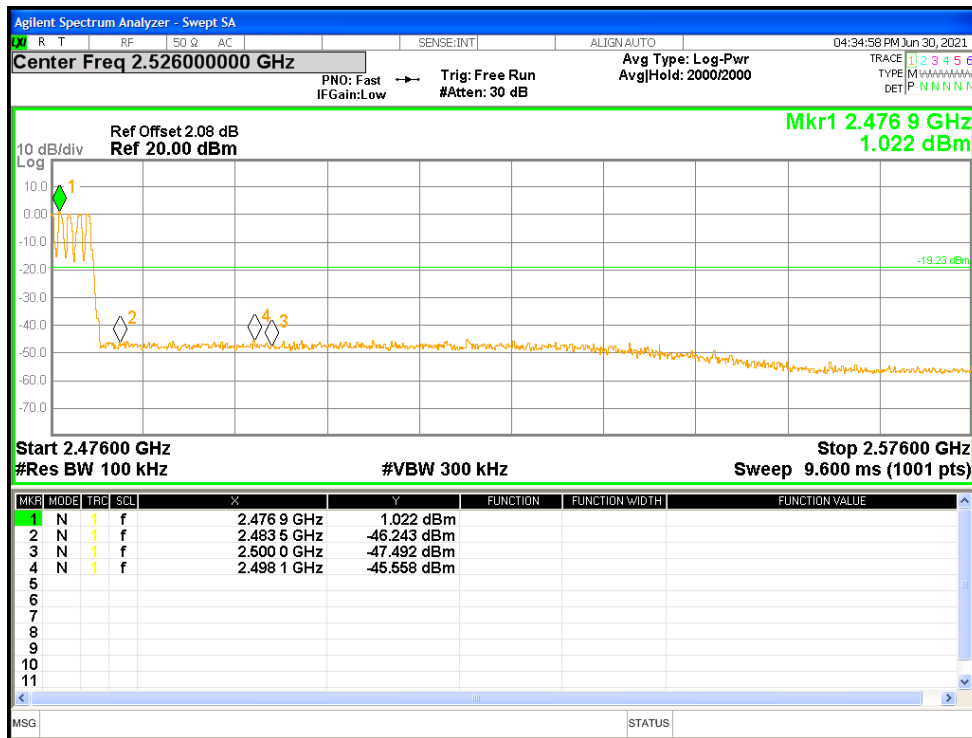


Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref

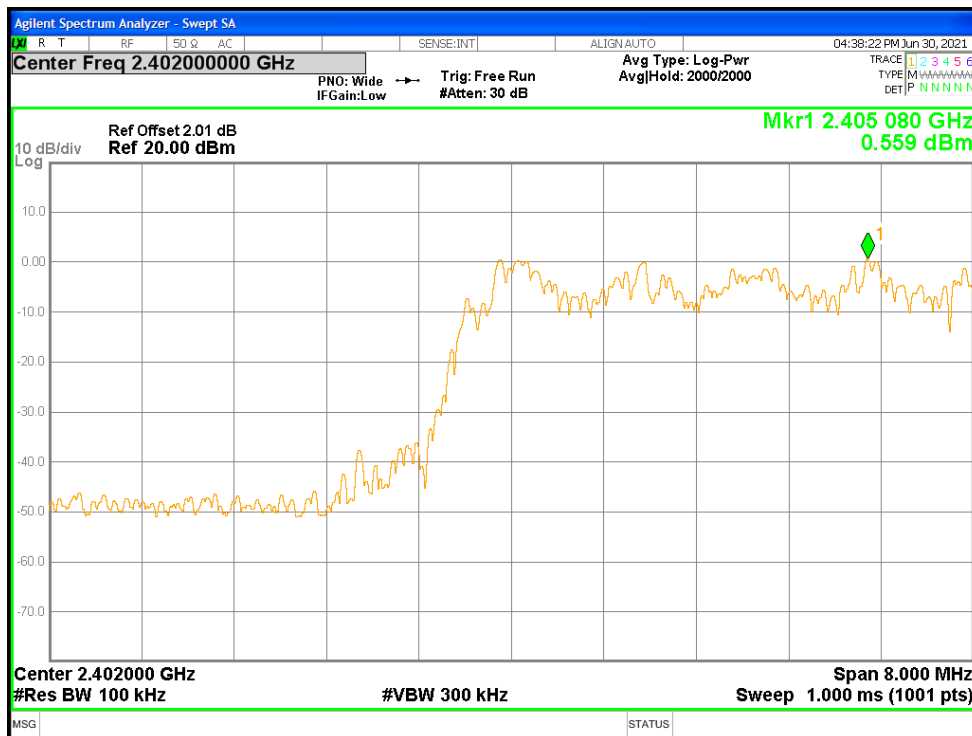


Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission

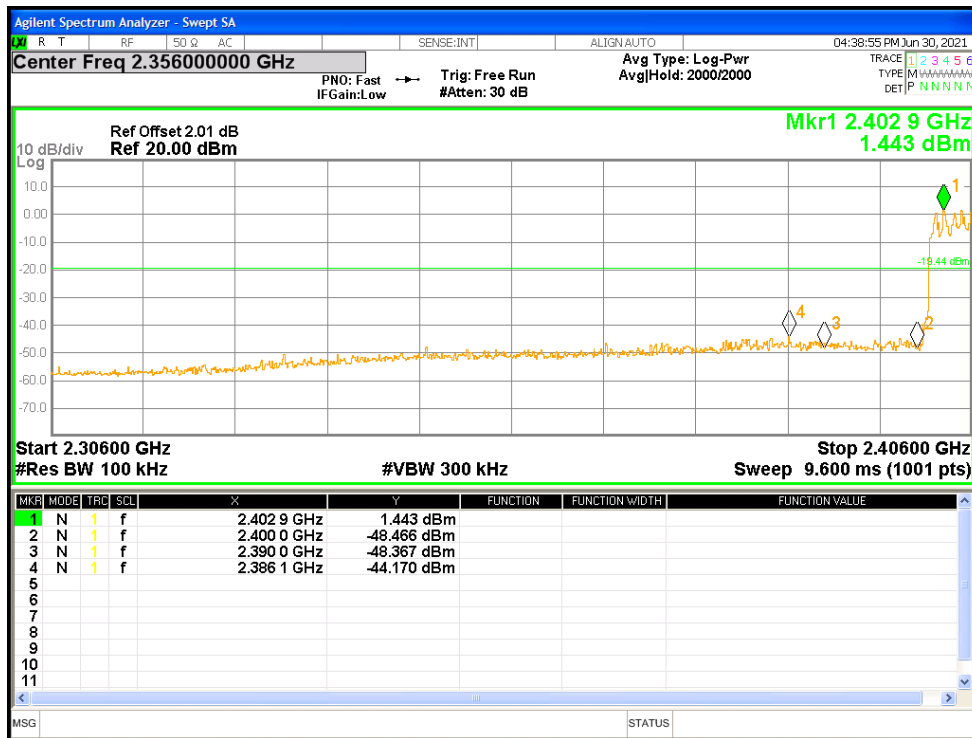




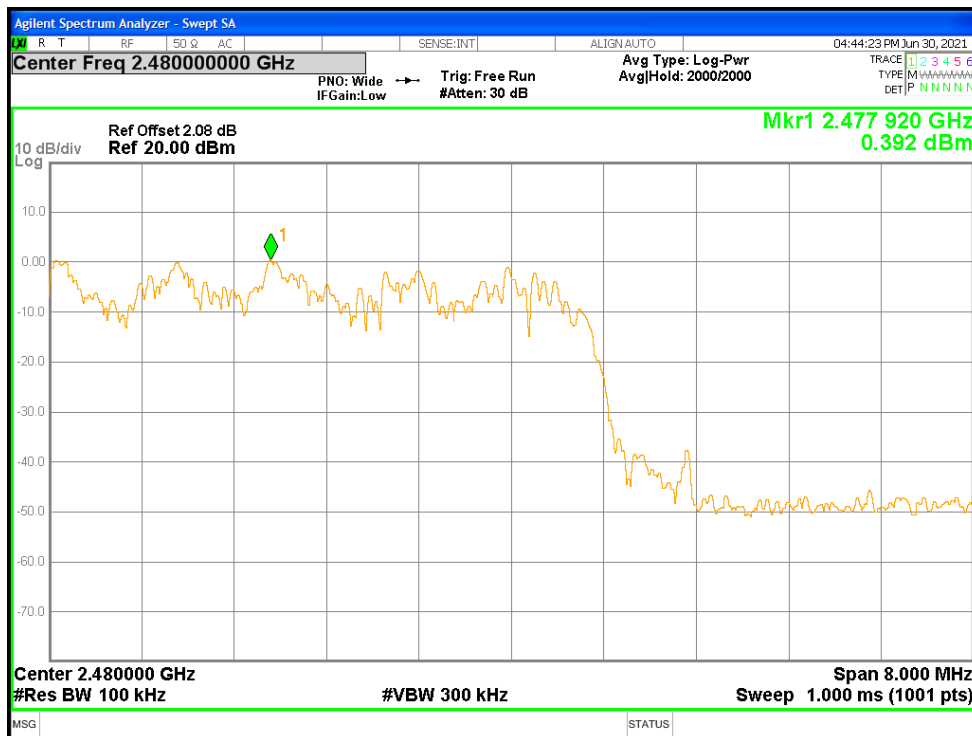
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



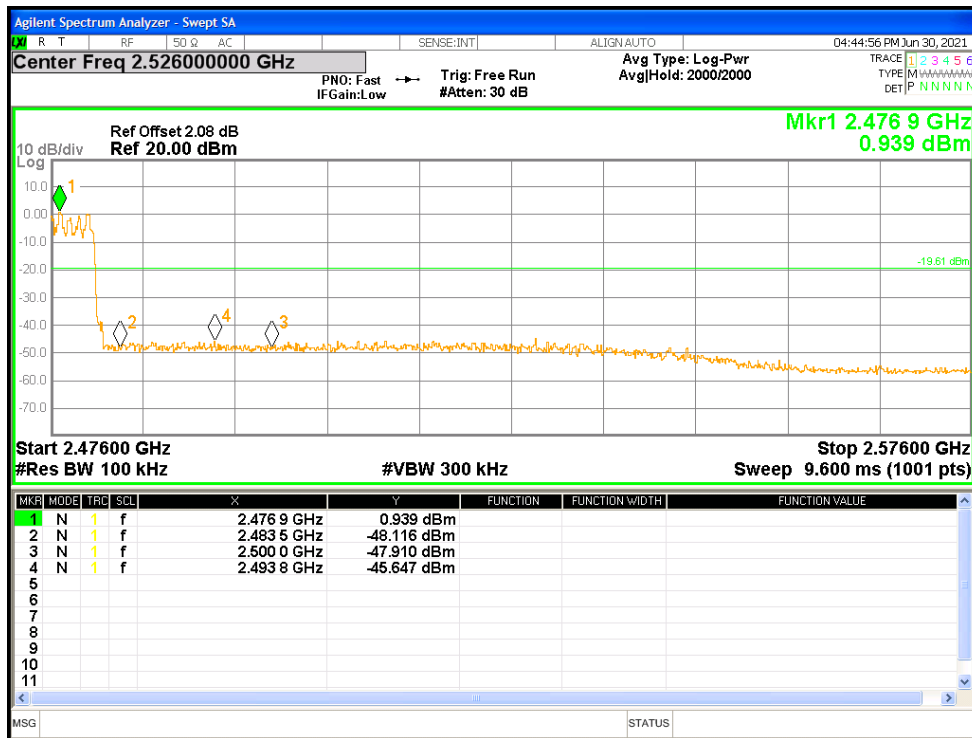
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



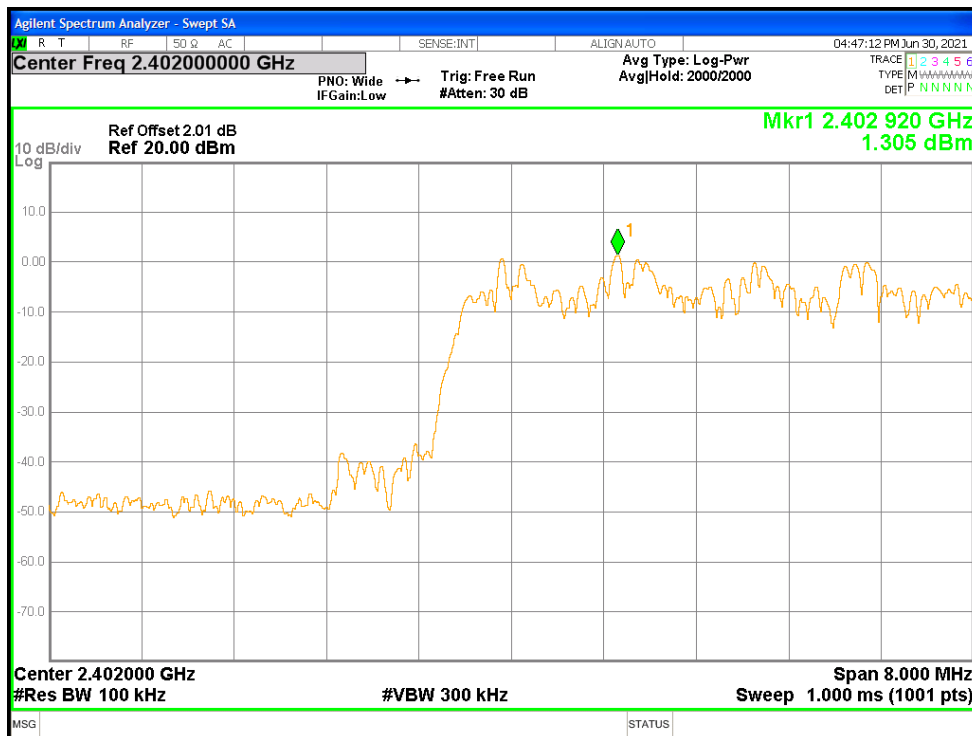
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



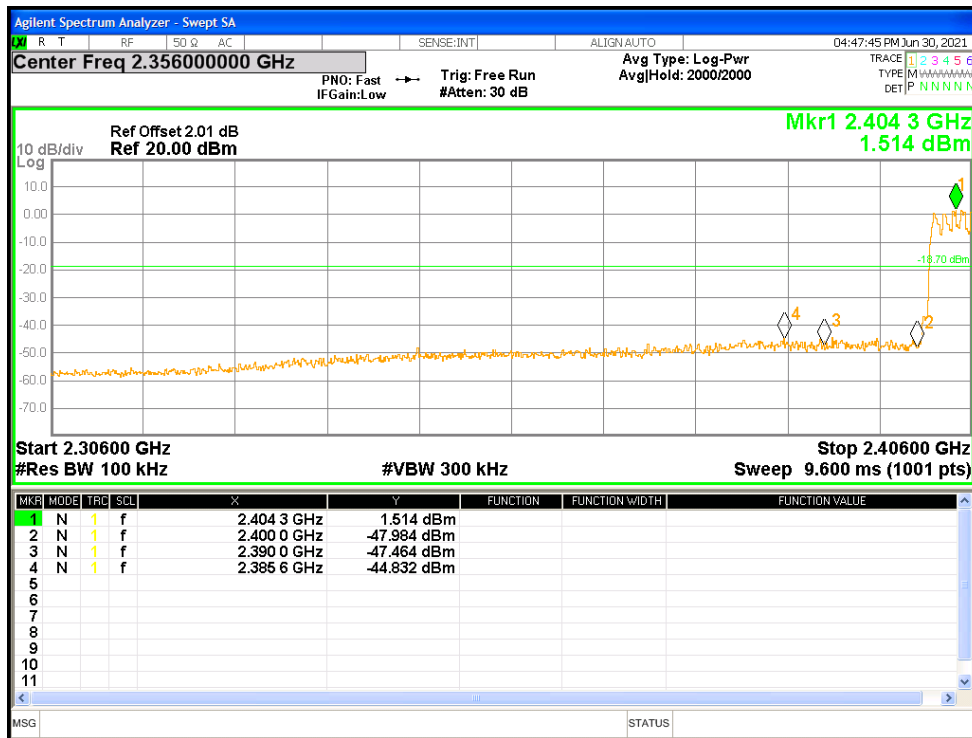
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



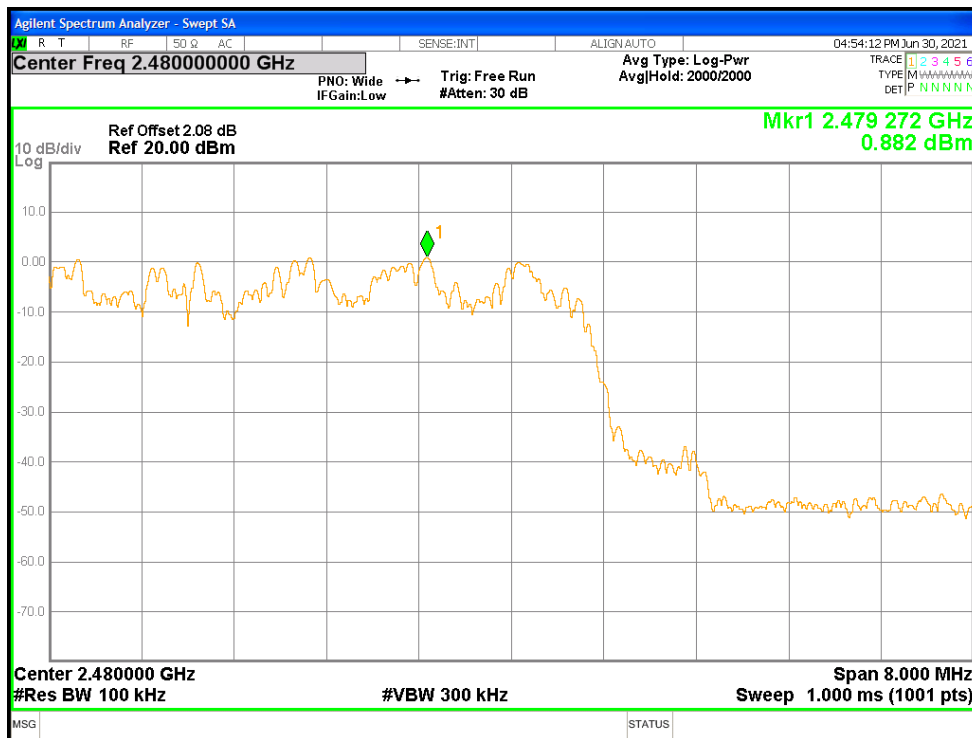
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



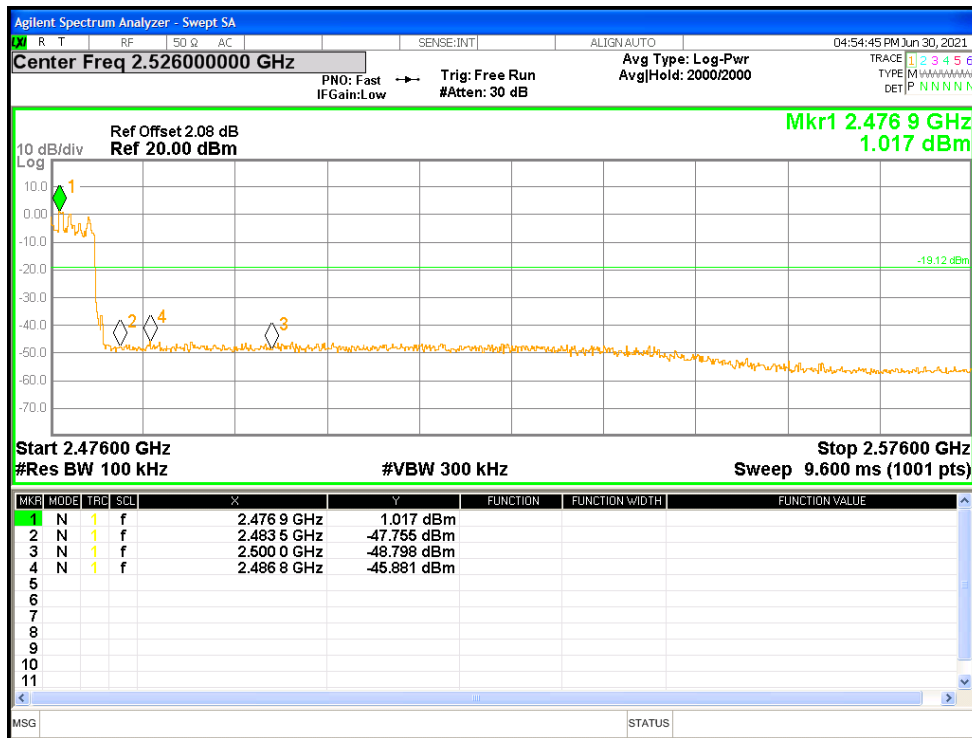
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



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



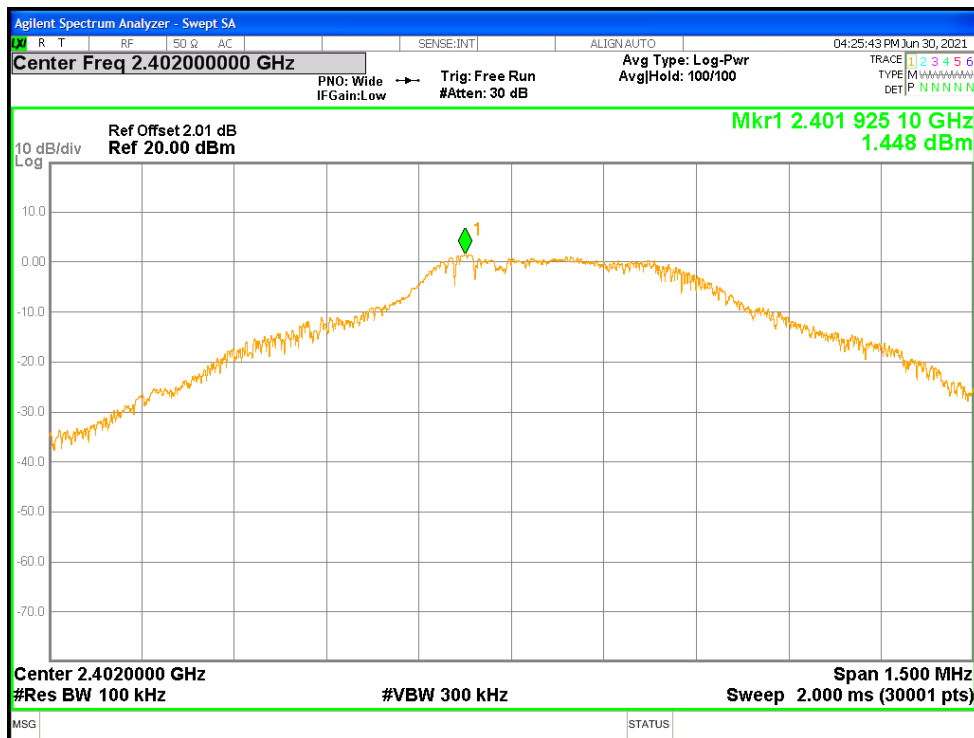
Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission



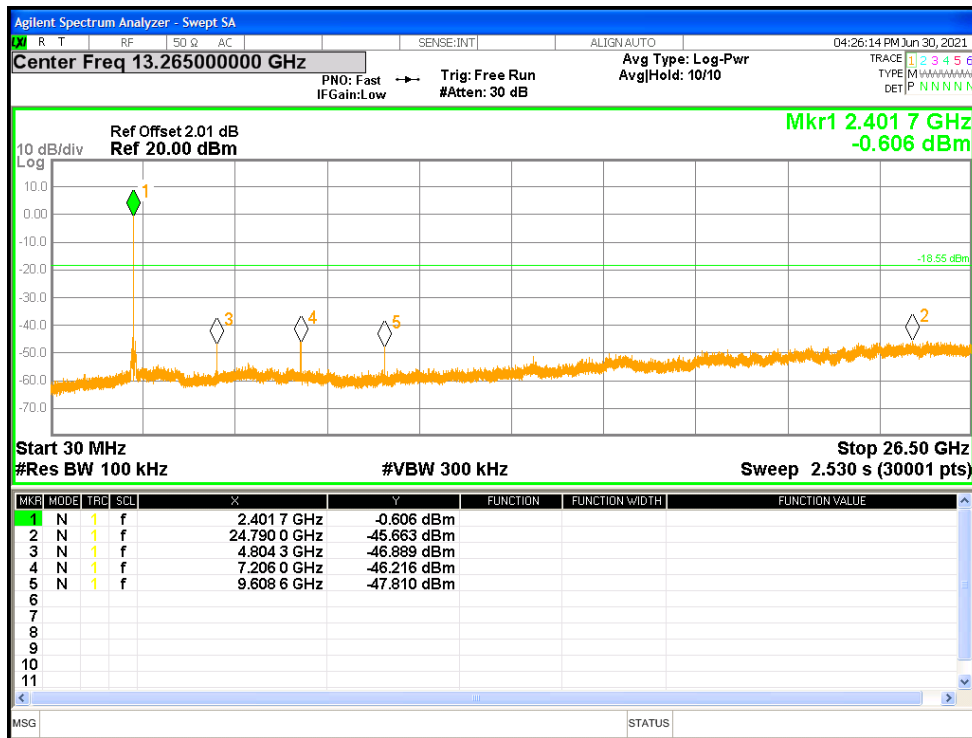
**21.6 CONDUCTED RF SPURIOUS EMISSION**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-47.11	-20	Pass
NVNT	1-DH1	2441	Ant1	-45.45	-20	Pass
NVNT	1-DH1	2480	Ant1	-46.04	-20	Pass
NVNT	2-DH1	2402	Ant1	-46.81	-20	Pass
NVNT	2-DH1	2441	Ant1	-45.88	-20	Pass
NVNT	2-DH1	2480	Ant1	-45.92	-20	Pass
NVNT	3-DH1	2402	Ant1	-46.94	-20	Pass
NVNT	3-DH1	2441	Ant1	-45.28	-20	Pass
NVNT	3-DH1	2480	Ant1	-46.05	-20	Pass

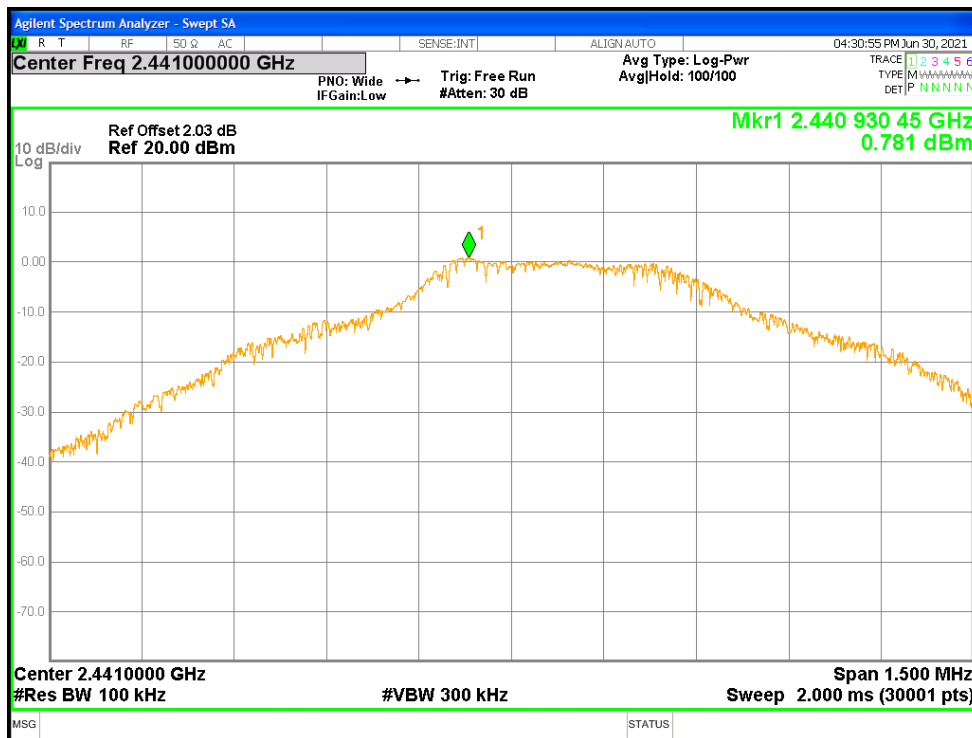
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



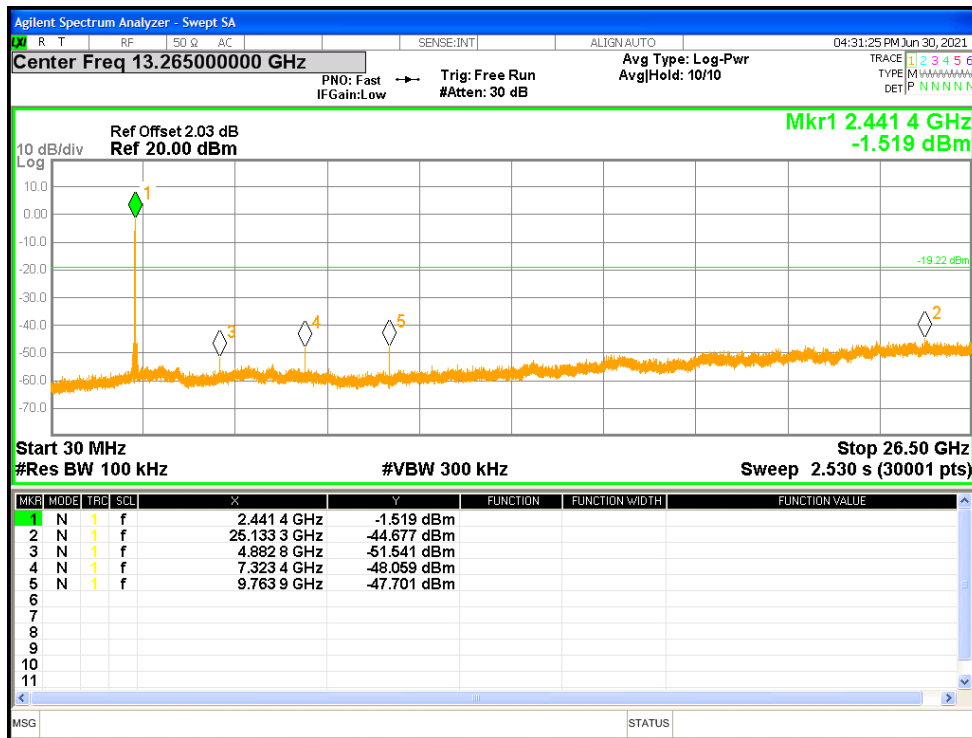
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



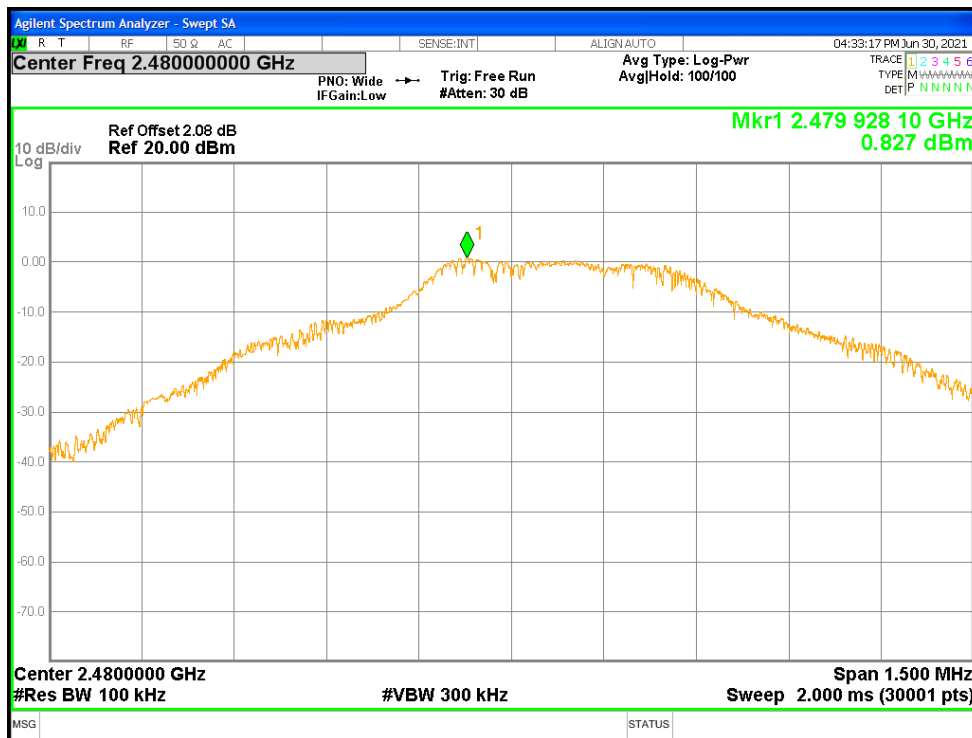
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission

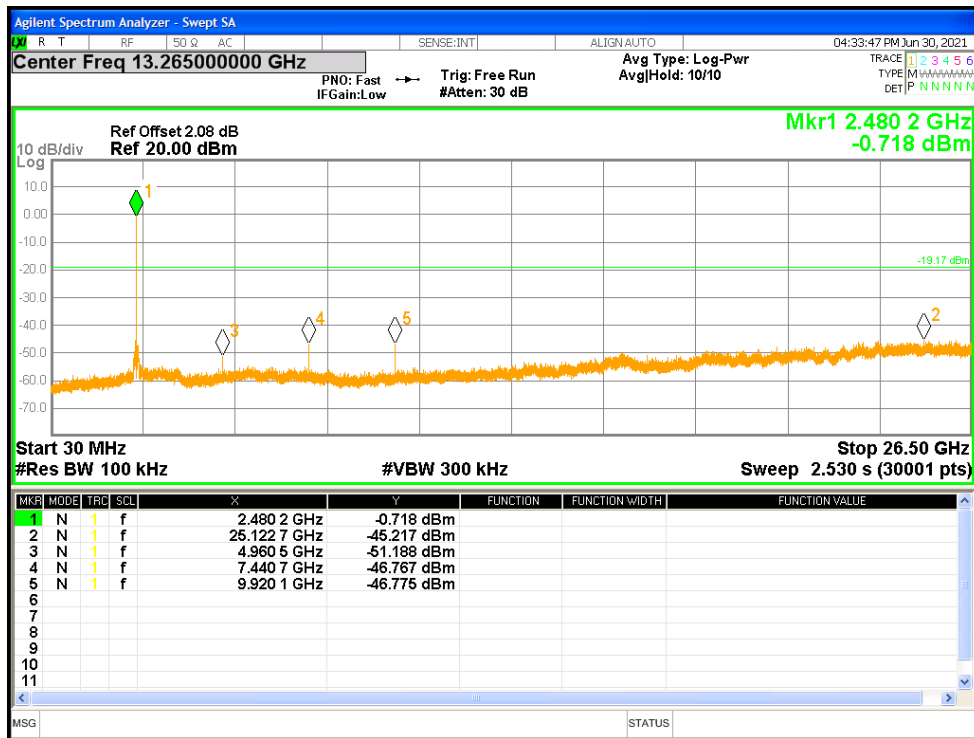


Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref

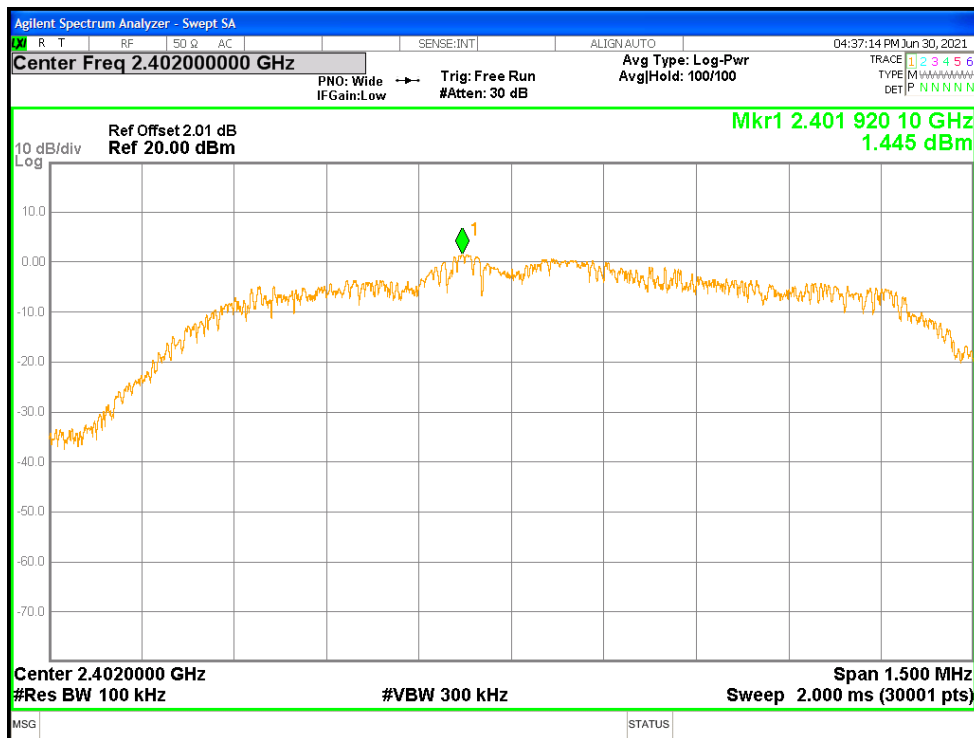


Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission

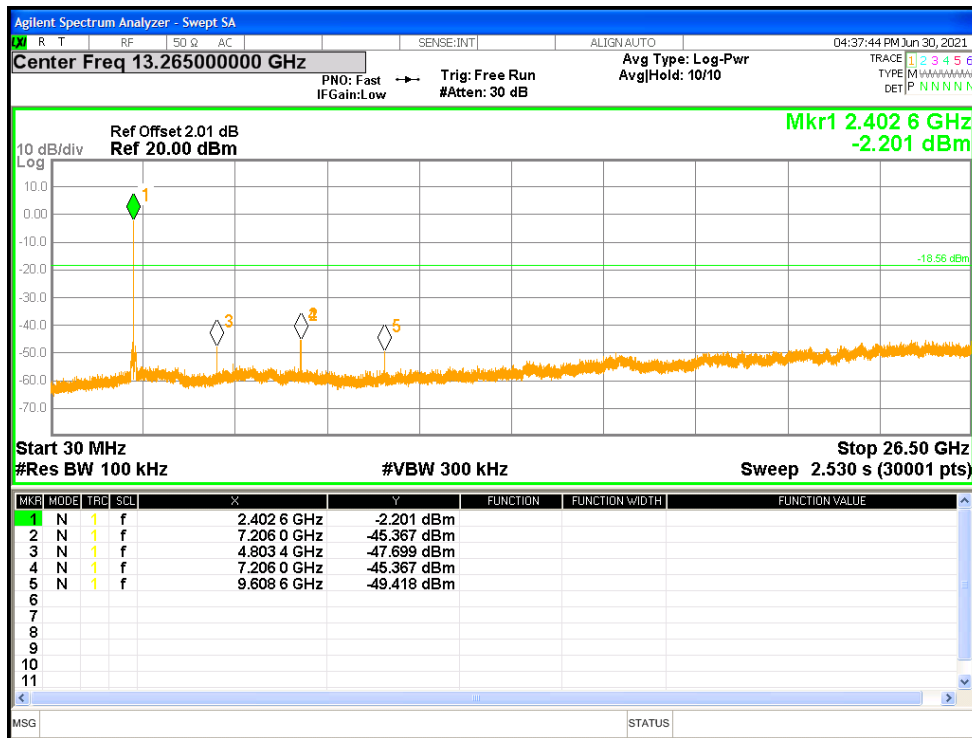




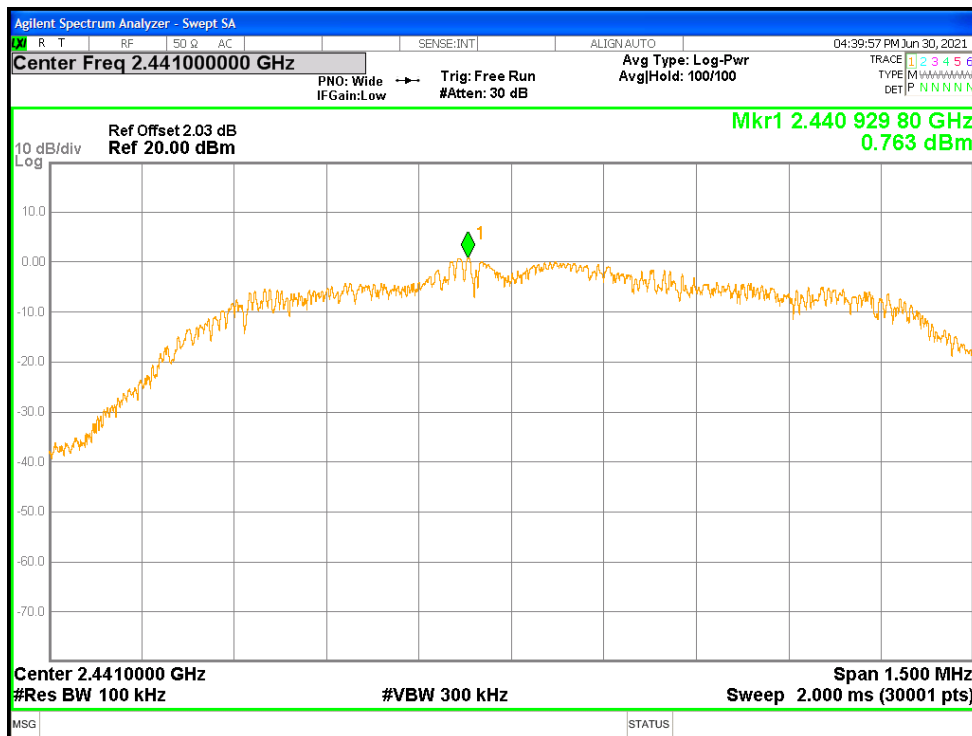
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



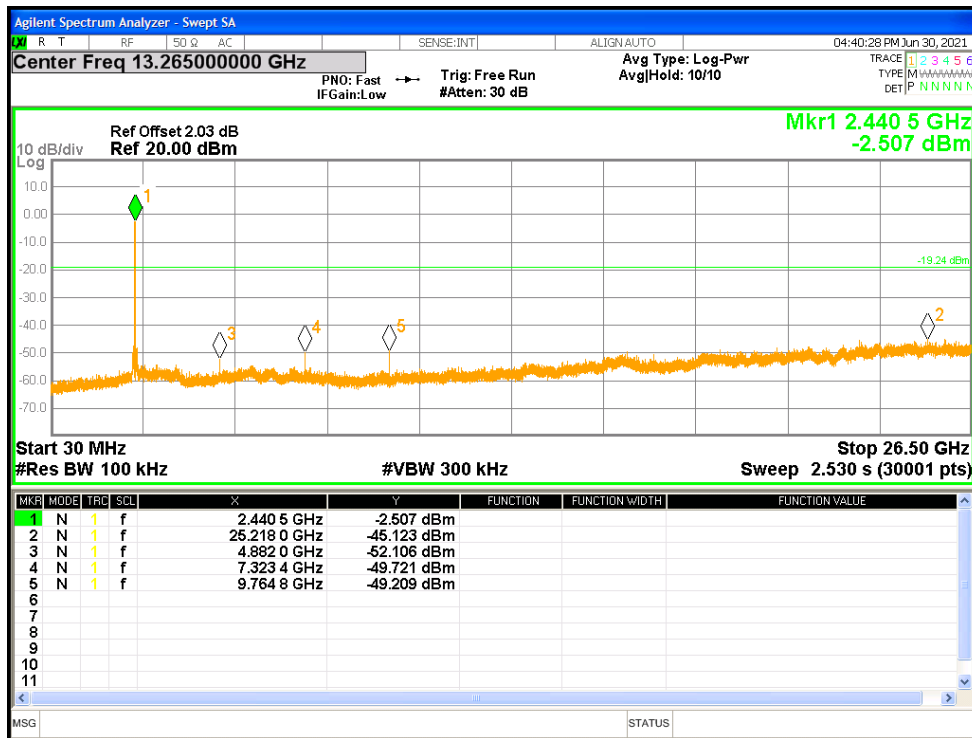
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



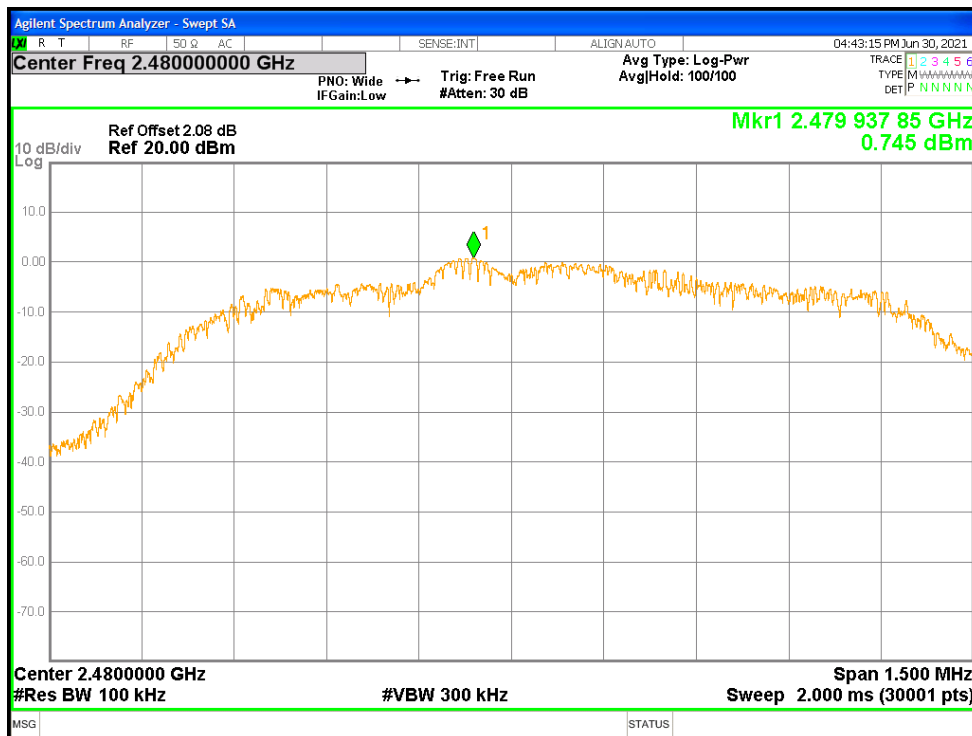
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



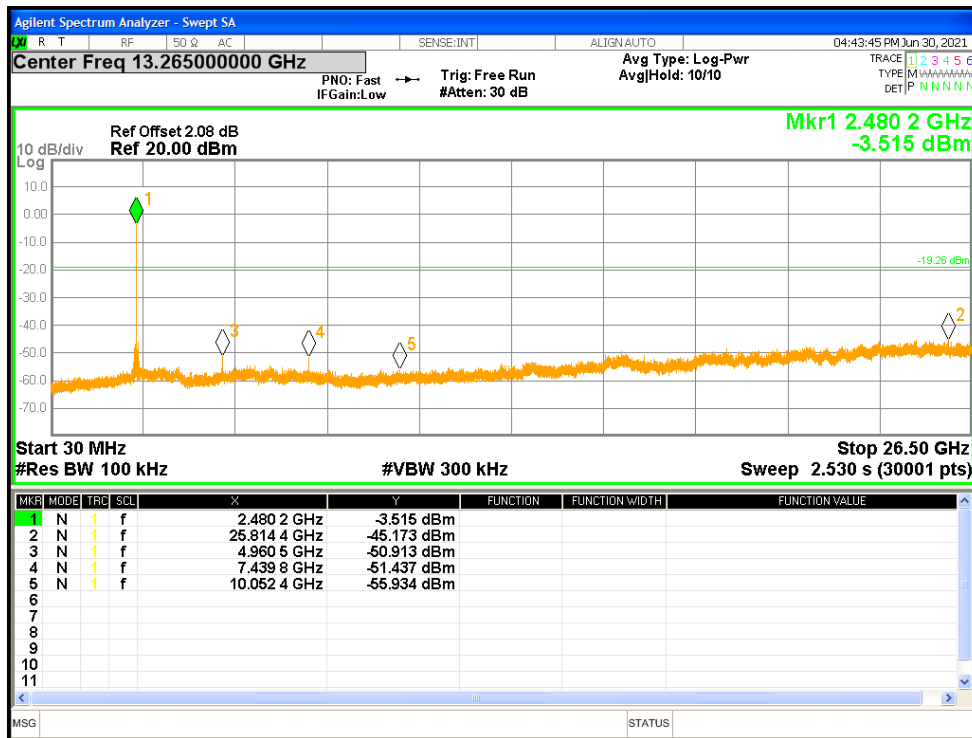
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



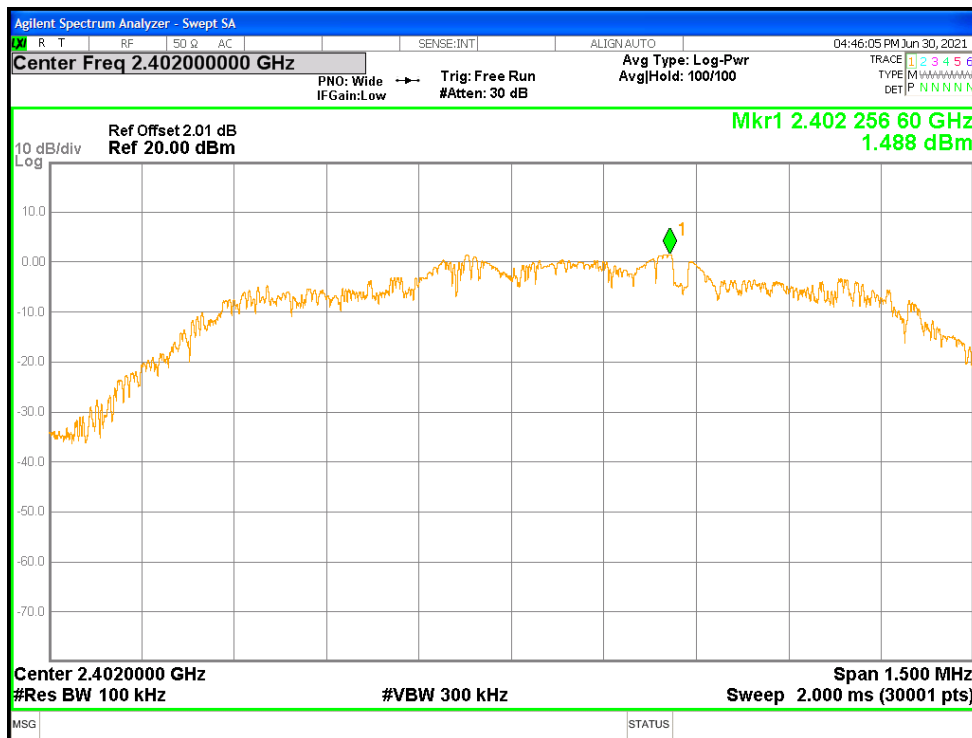
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



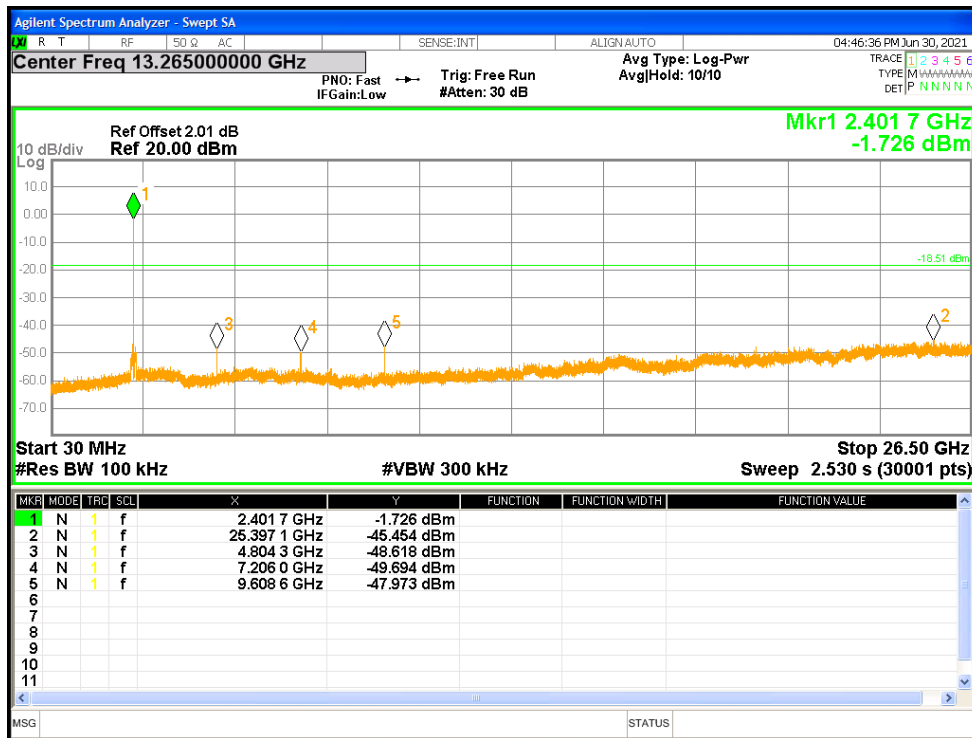
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



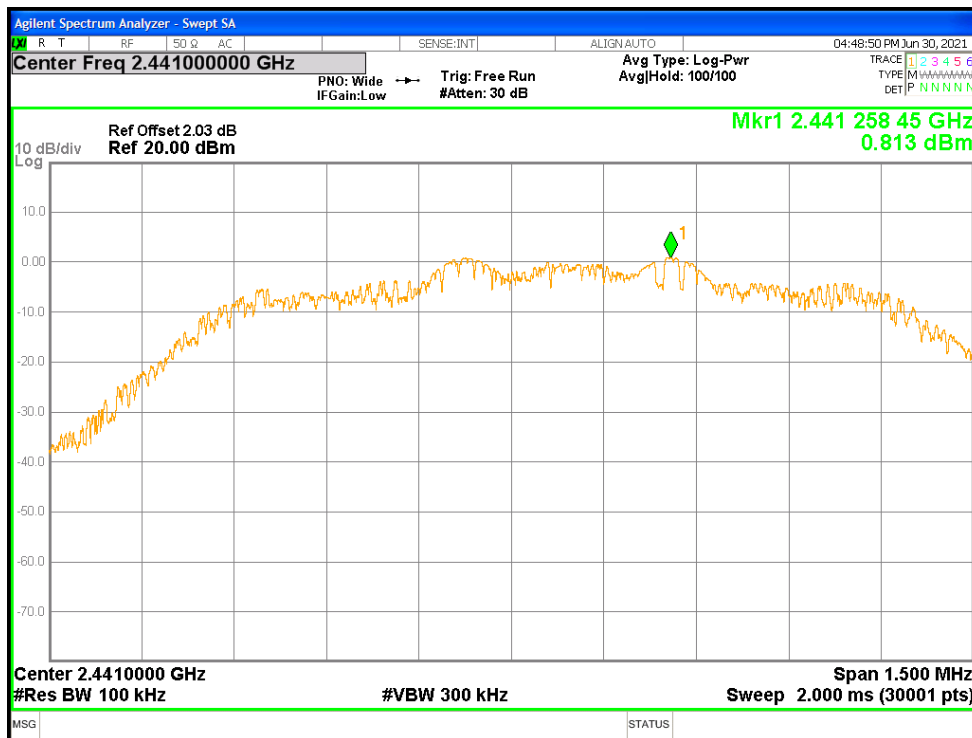
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



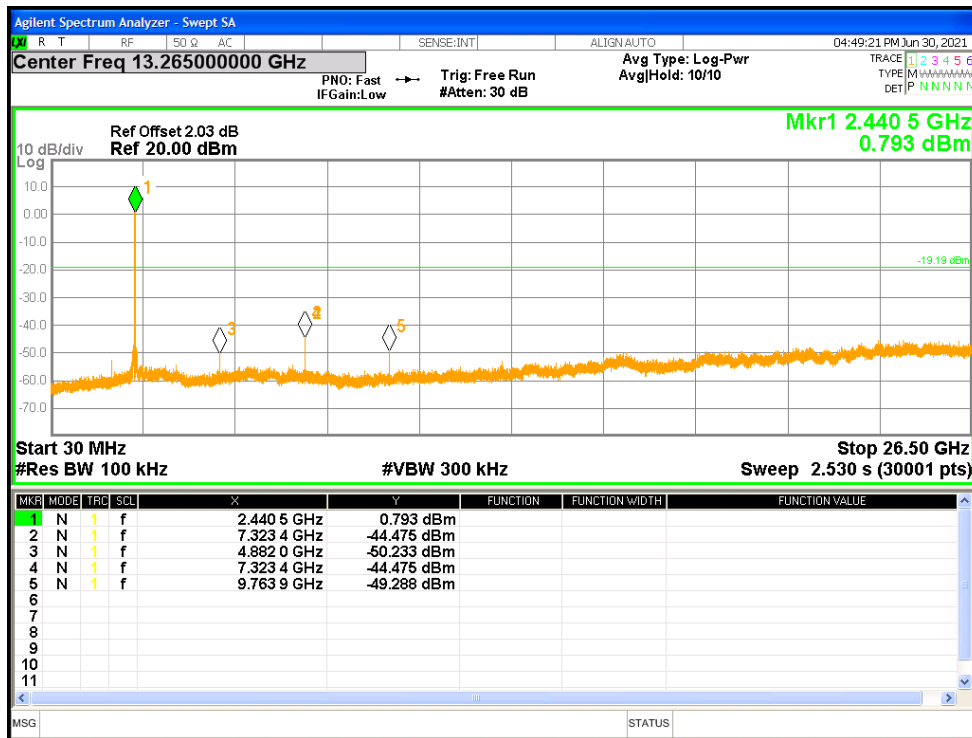
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



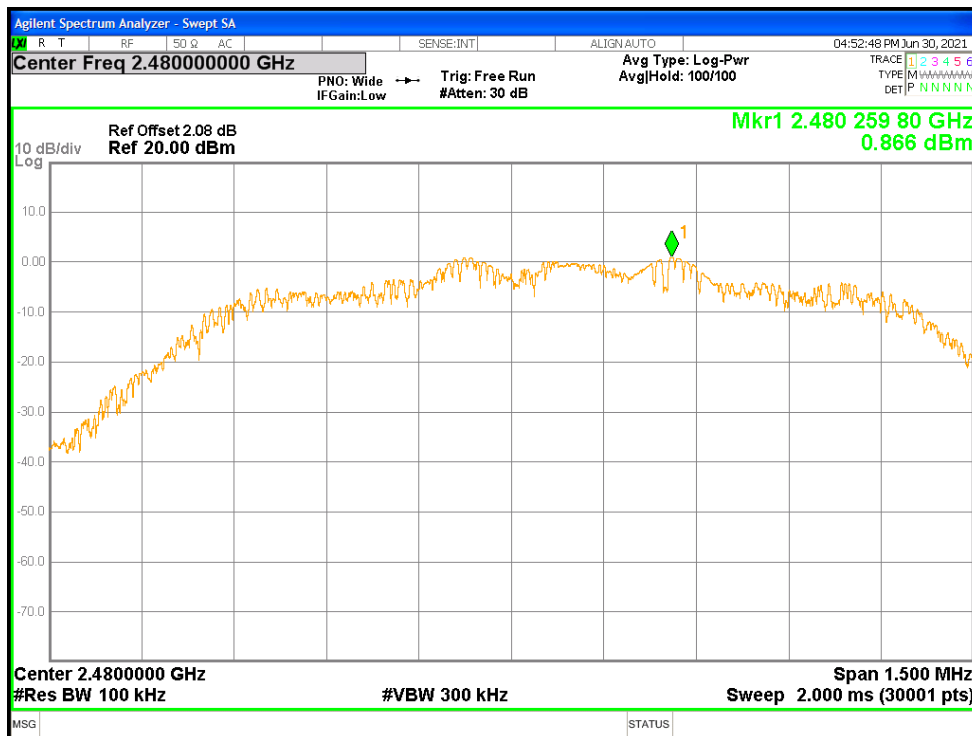
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



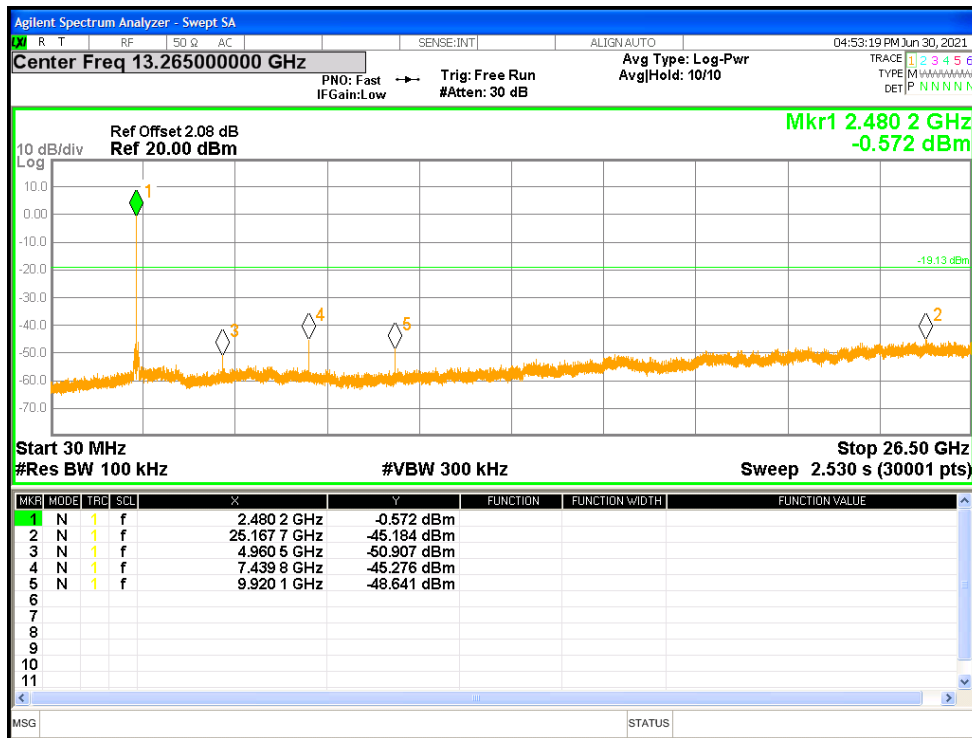
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



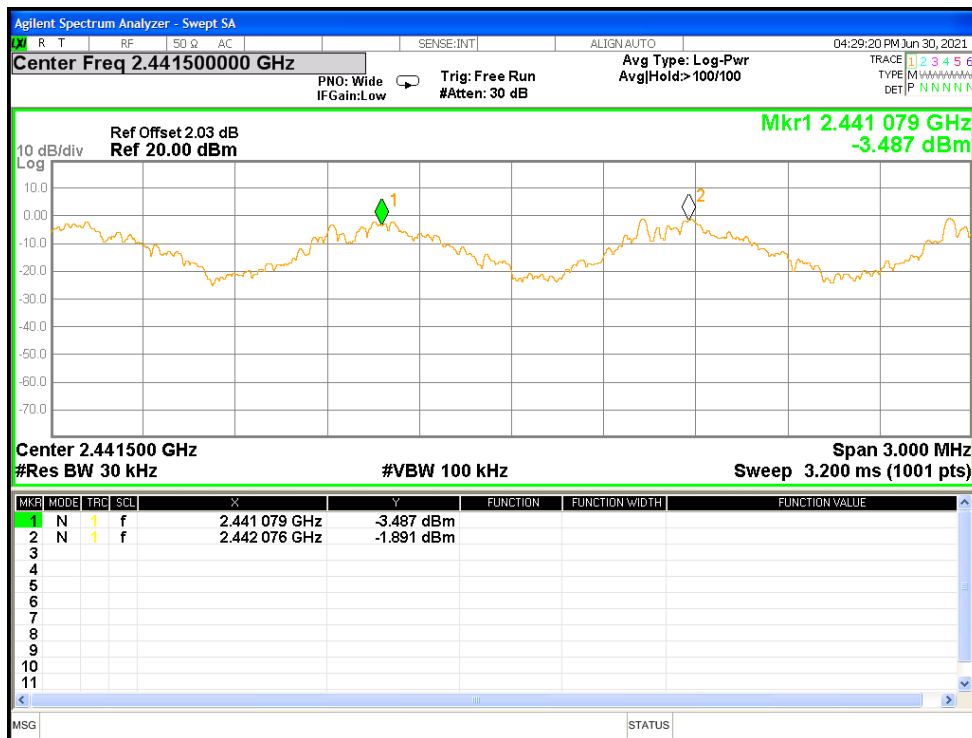
Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission



### 21.7 CARRIER FREQUENCIES SEPARATION

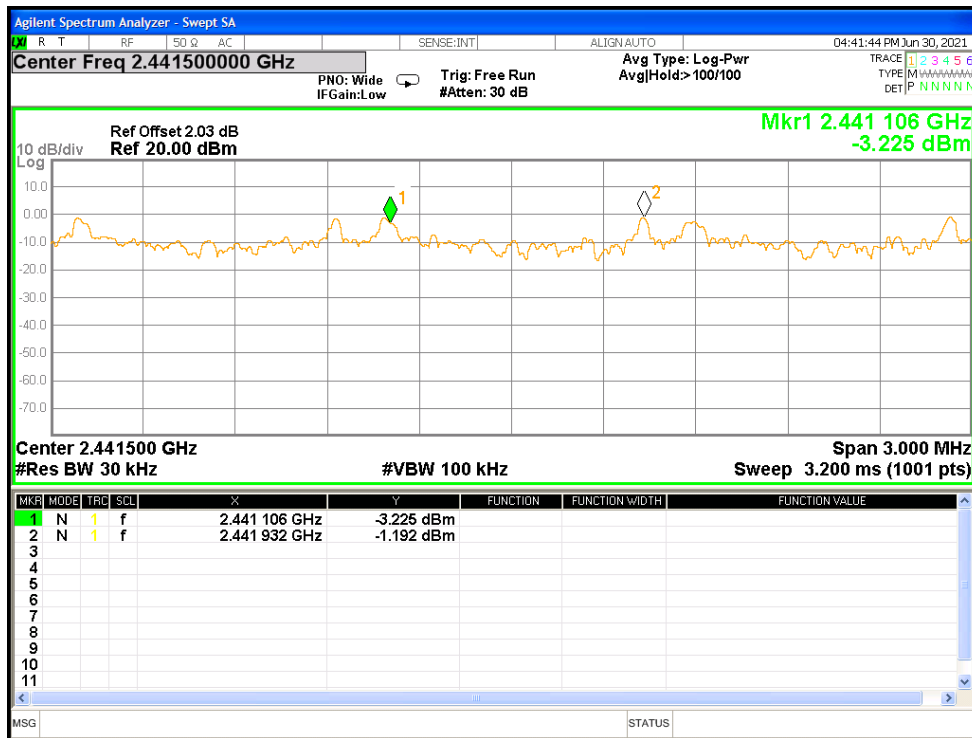
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2441.0785	2442.076	0.9975	0.025	Pass
NVNT	2-DH1	Ant1	2441.1055	2441.932	0.8265	0.82	Pass
NVNT	3-DH1	Ant1	2441.08	2442.091	1.011	0.809	Pass

CFS NVNT 1-DH1 2441MHz Ant1

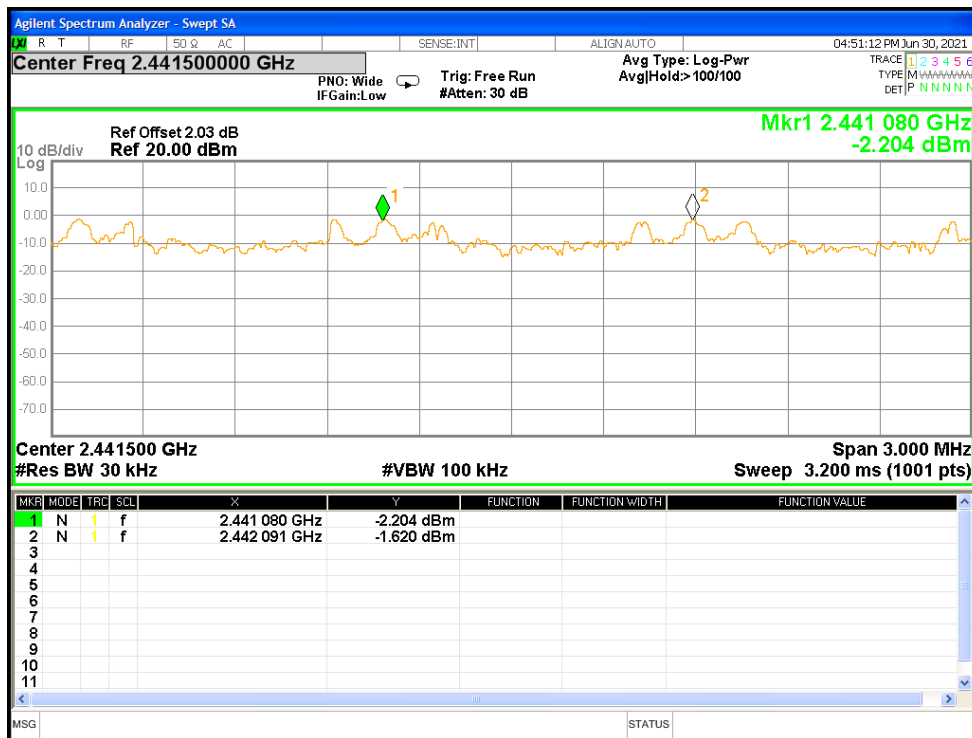


CFS NVNT 2-DH1 2441MHz Ant1





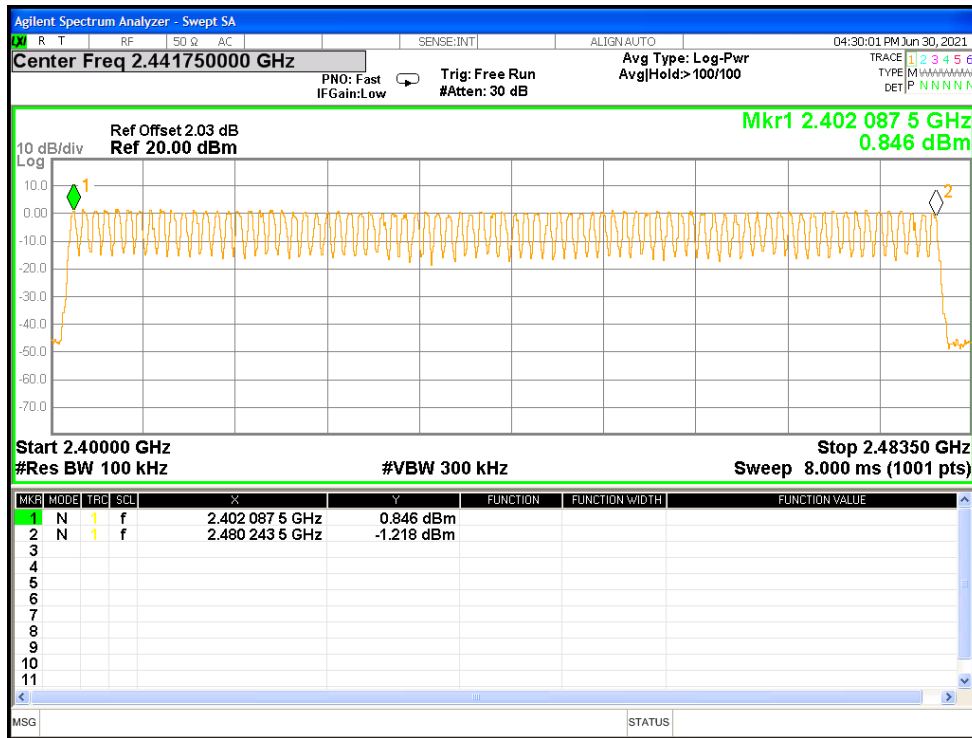
CFS NVNT 3-DH1 2441MHz Ant1



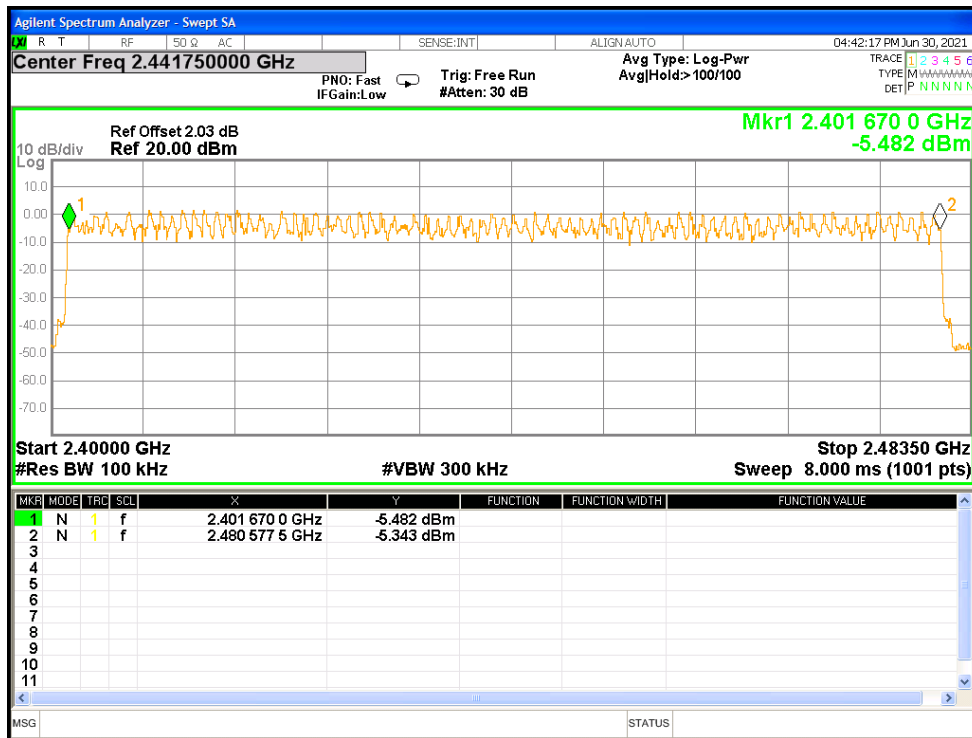
### 21.8 NUMBER OF HOPPING CHANNEL

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

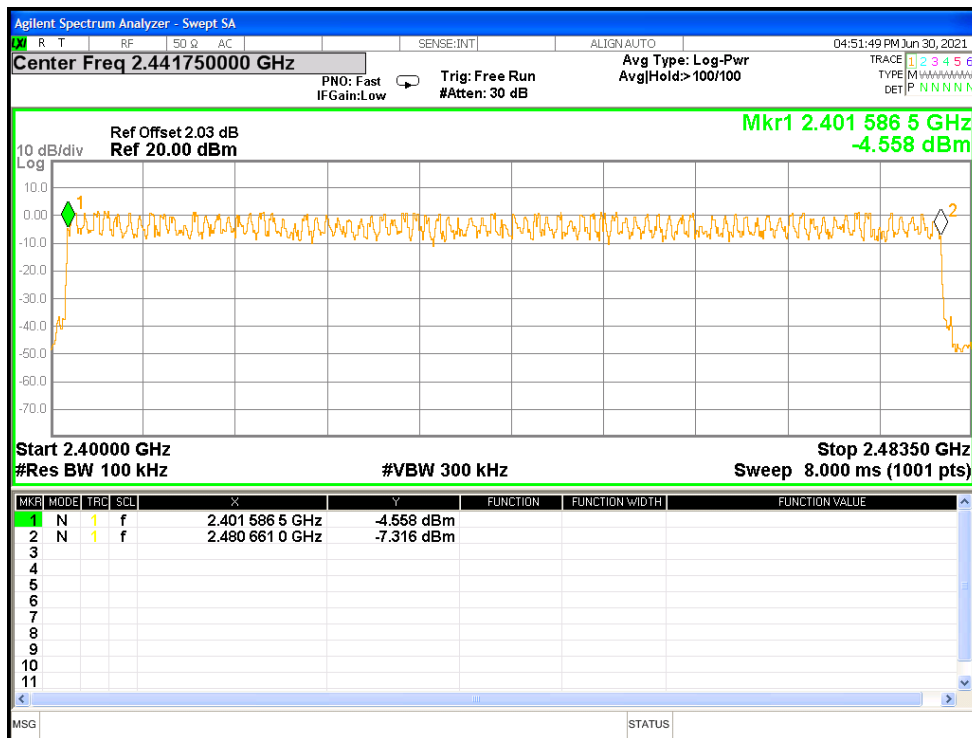
Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1



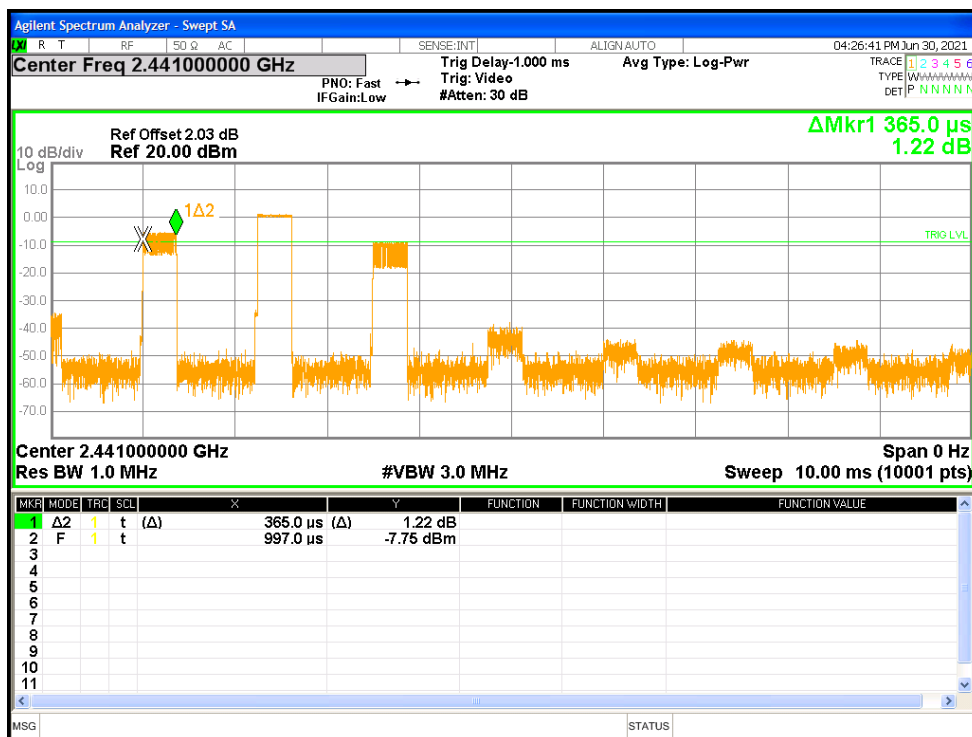
Hopping No. NVNT 3-DH1 2441MHz Ant1



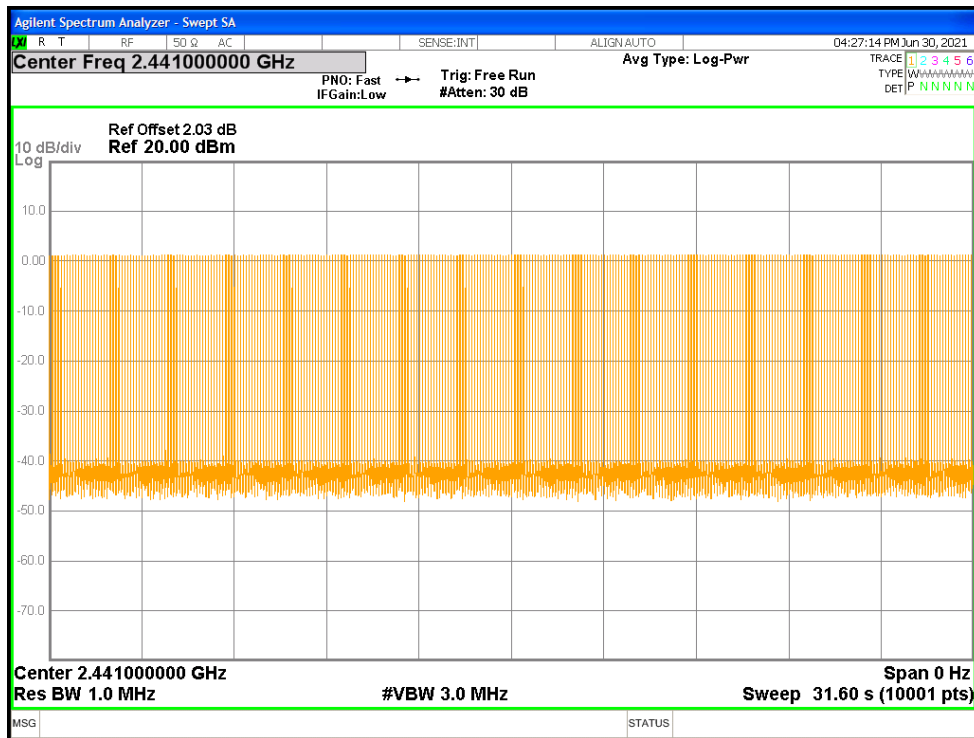
### 21.9 DWELL TIME

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.365	116.435	319	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.621	257.739	159	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.868	304.008	106	31600	400	Pass

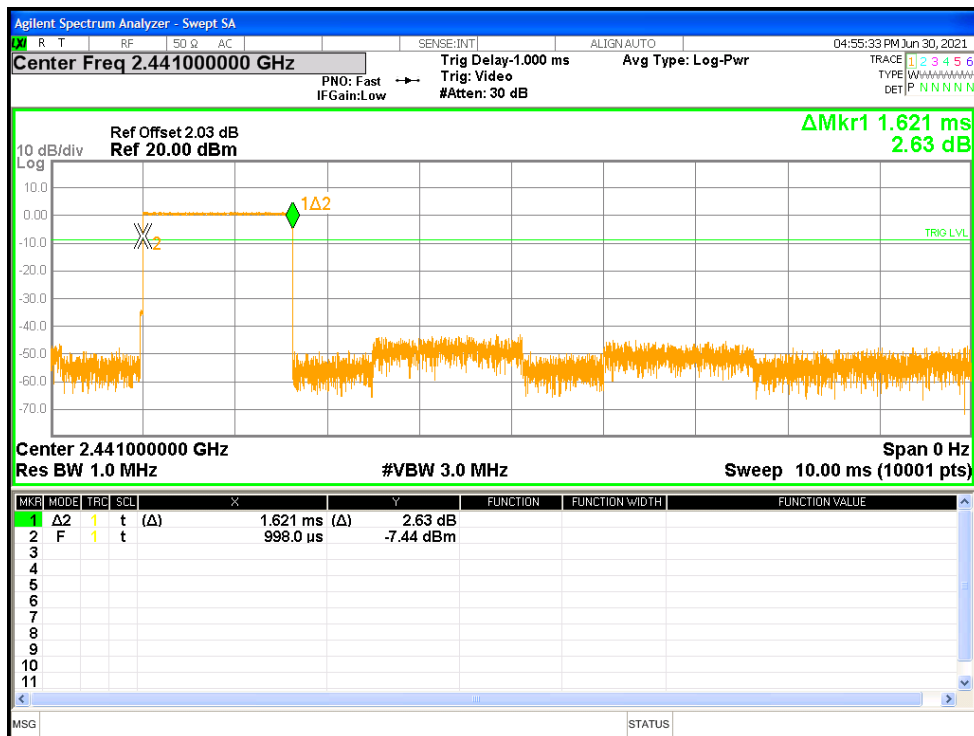
Dwell NVNT 1-DH1 2441MHz Ant1 One Burst



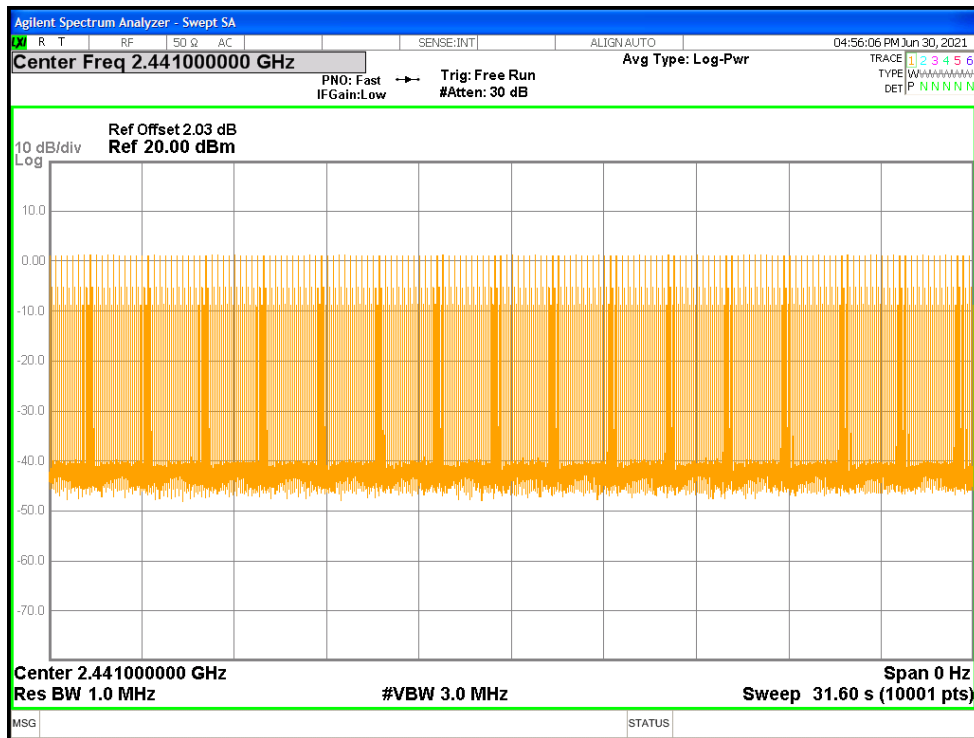
Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated



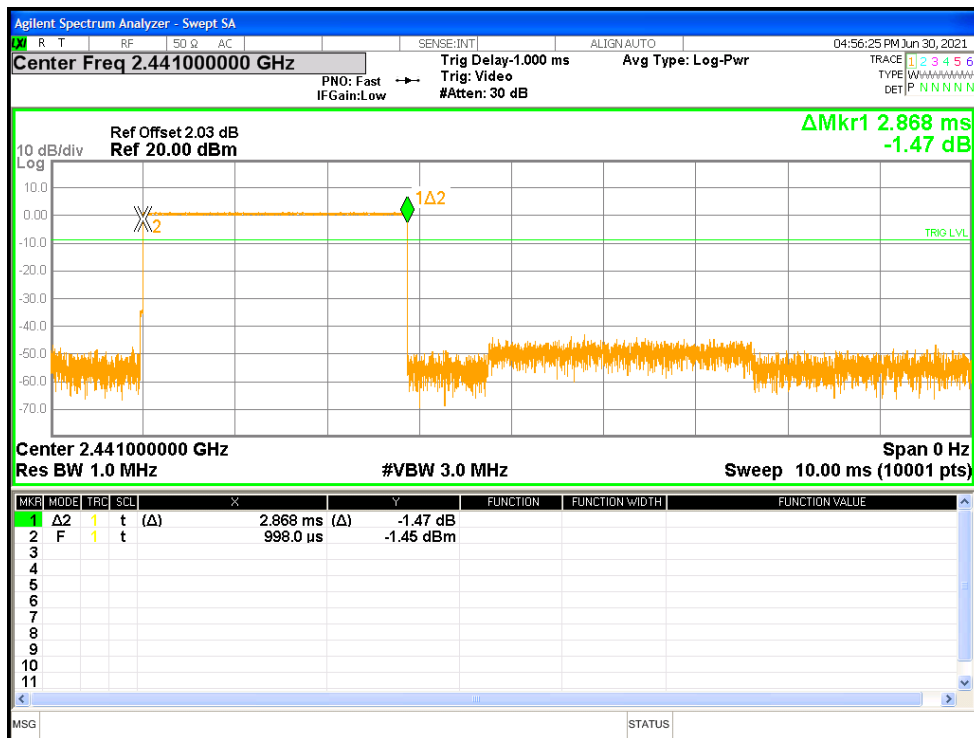
Dwell NVNT 1-DH3 2441MHz Ant1 One Burst



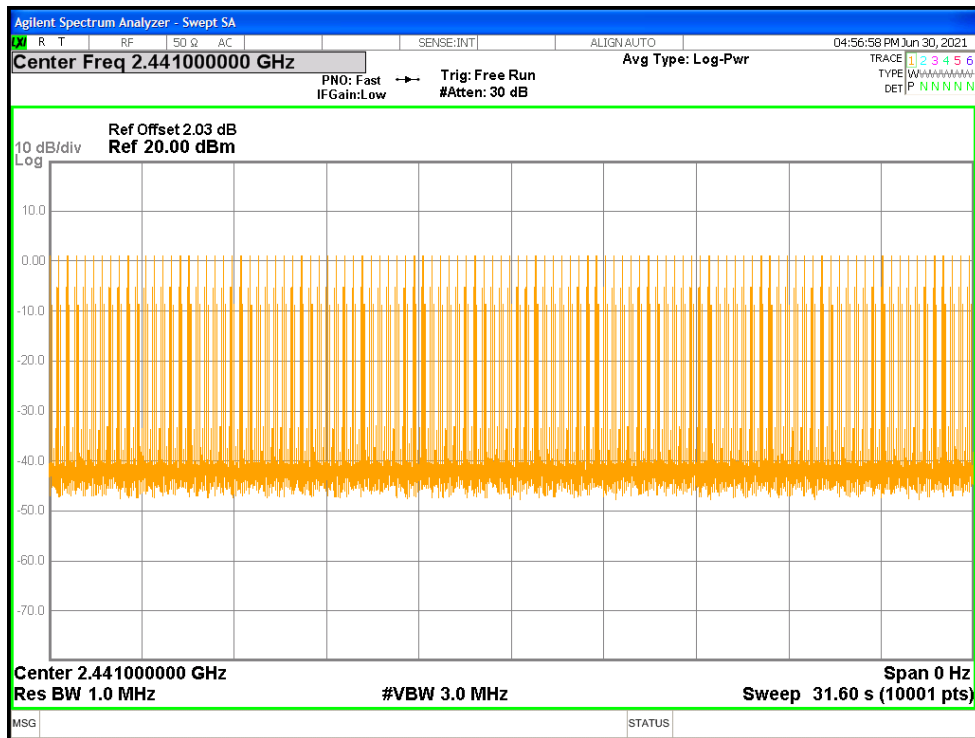
Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated



Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated

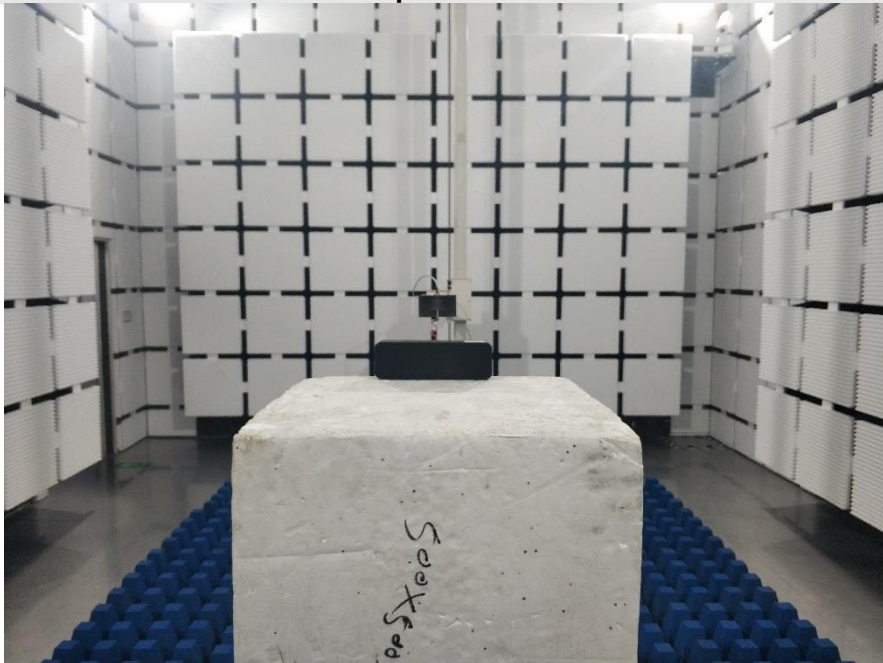


## APPENDIX A: PHOTOGRAPHS OF TEST SETUP

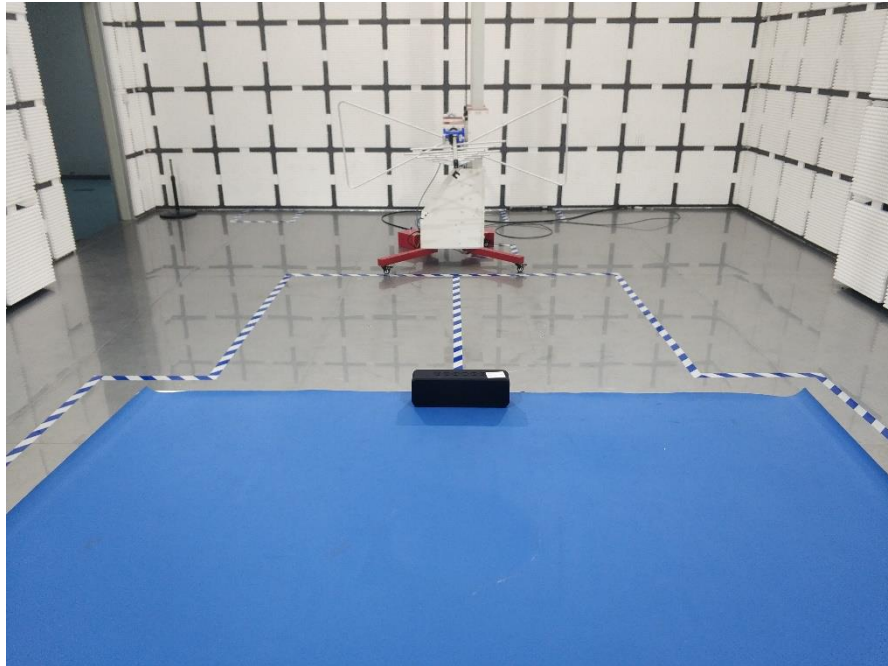
### Conducted Emissions at AC Power Line (150kHz-30MHz)



### Radiated Spurious Emissions







## APPENDIX B: PHOTOGRAPHS OF EUT

Reference to the test report No. BLA-EMC-202106-A4401

**----END OF REPORT----**

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