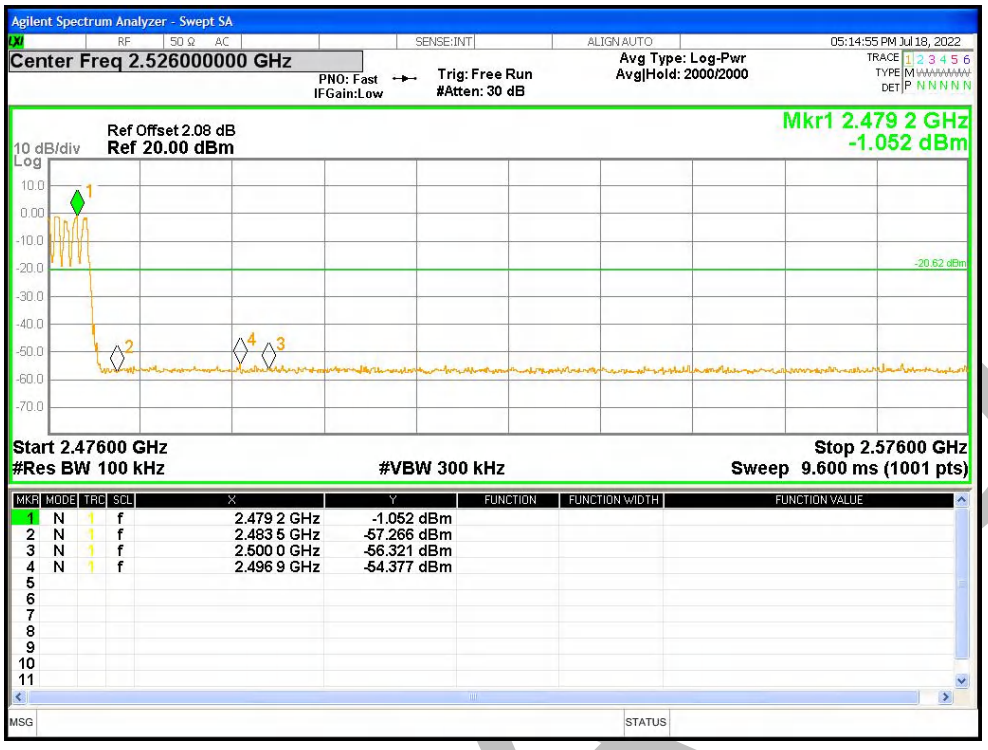
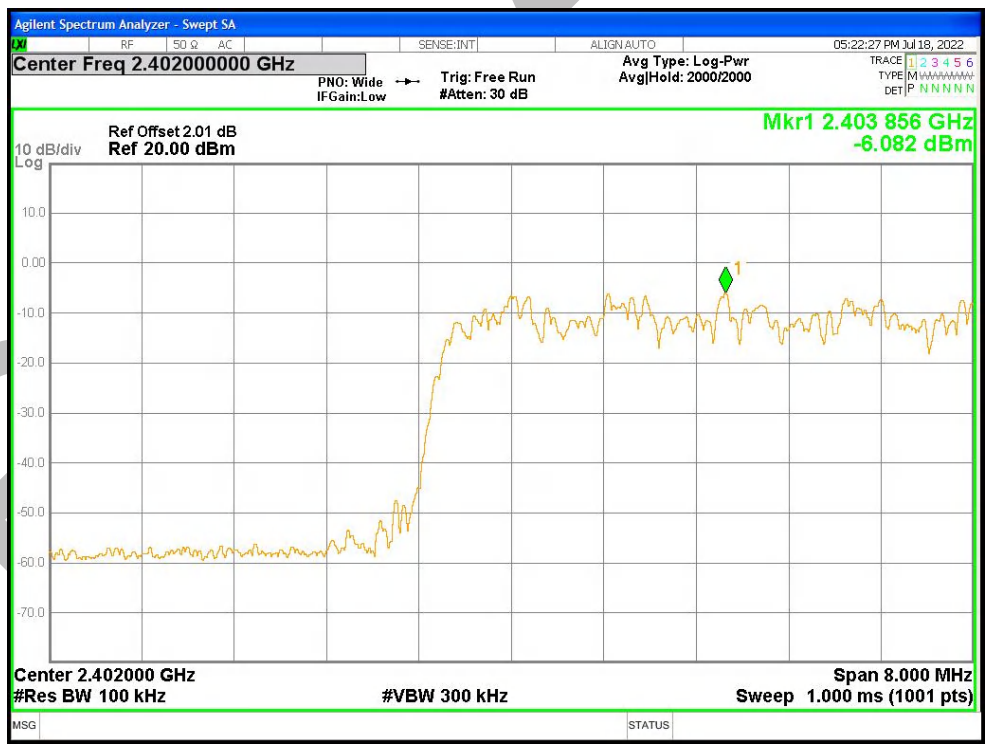
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref

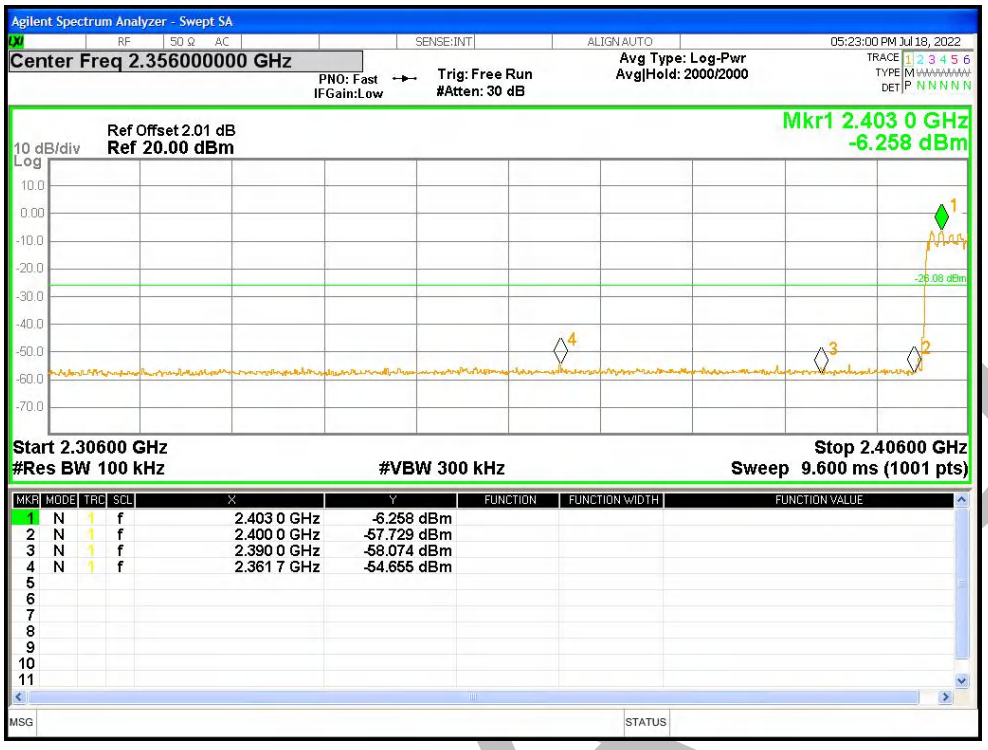
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



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

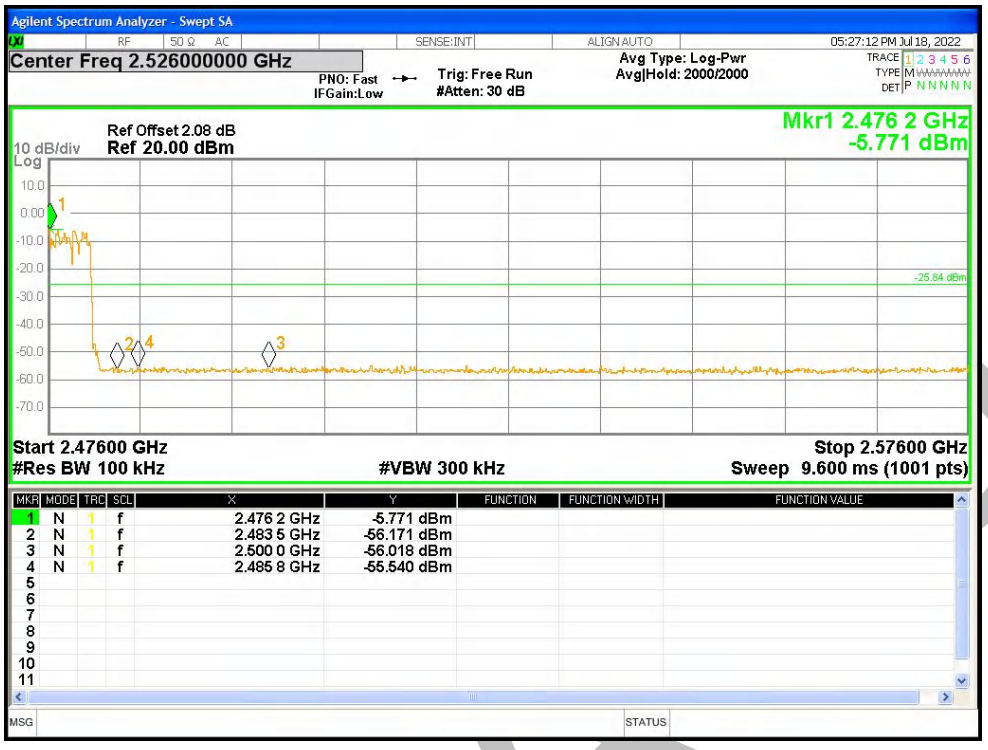


Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission

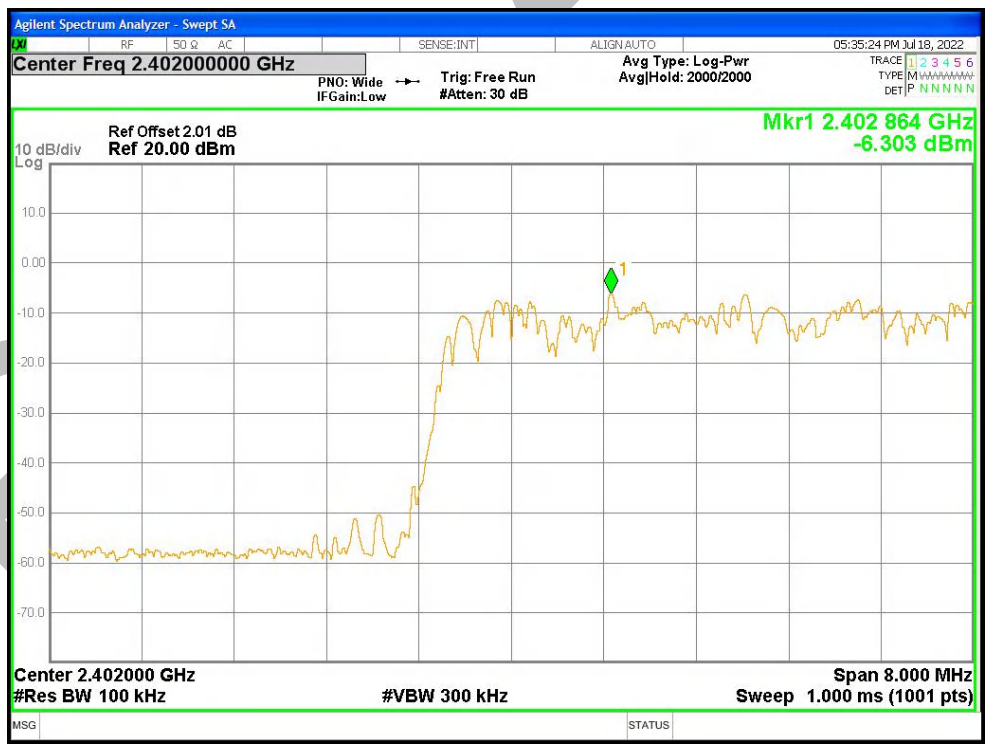


Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref

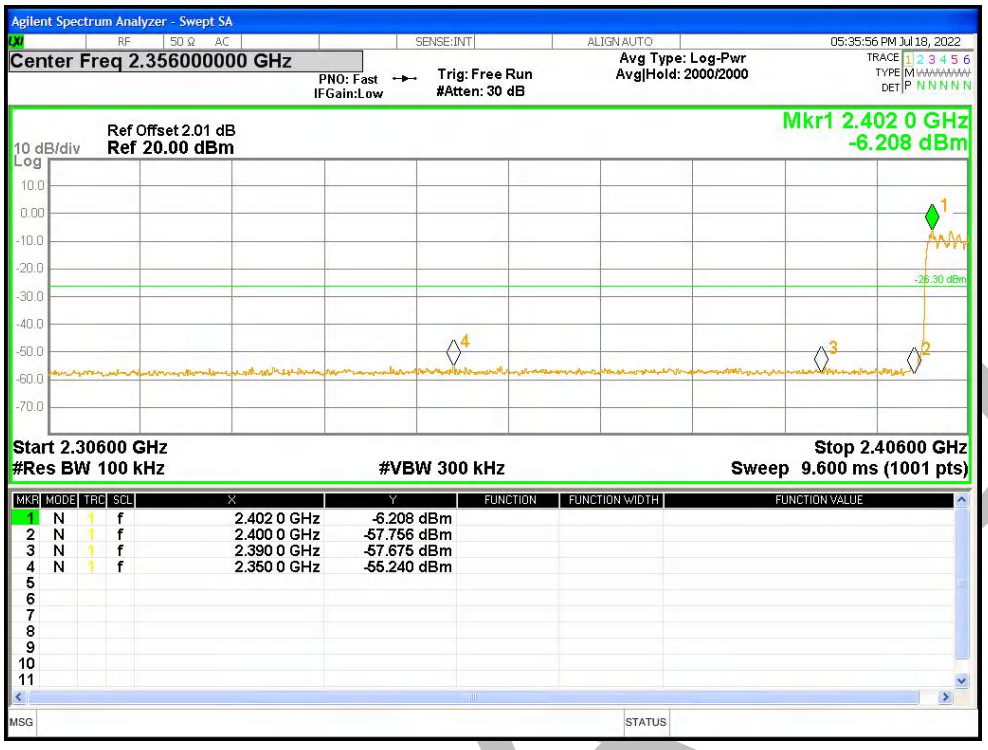
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



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

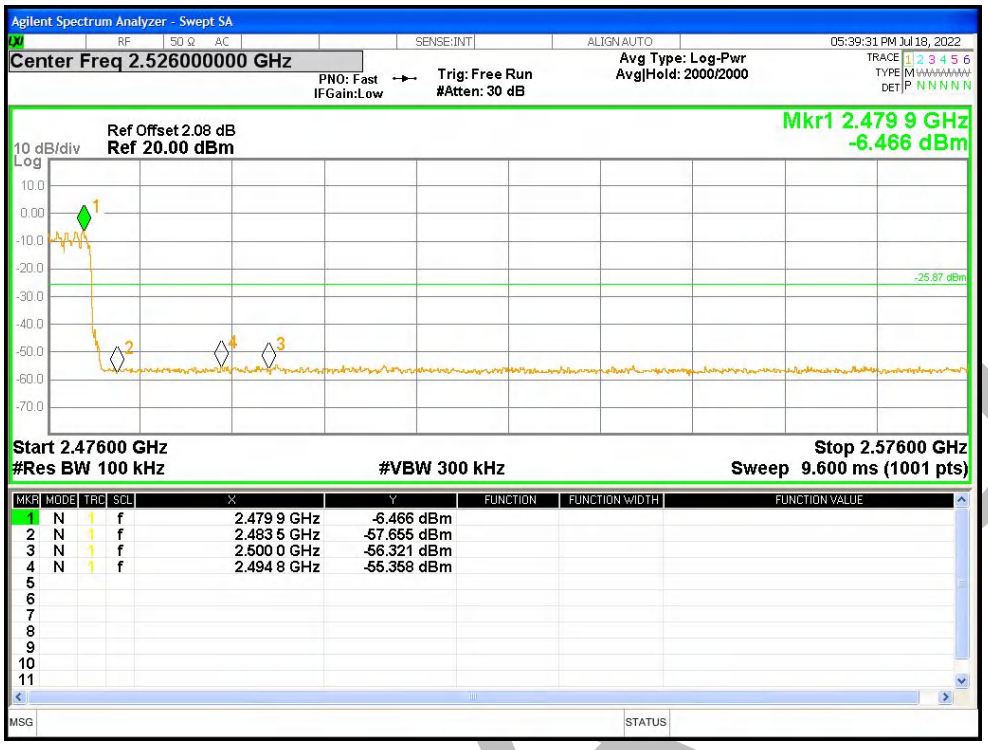


Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



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

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


Agilent Spectrum Analyzer - Swept SA
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
05:39:31 PM Jul 18, 2022
Center Freq 2.526000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 2000/2000
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Ref Offset 2.08 dB
10 dB/div Ref 20.00 dBm
Log
Mkr1 2.479 9 GHz
-6.466 dBm
-25.87 dBm
Start 2.47600 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.57600 GHz
Sweep 9.600 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.479 9 GHz -6.466 dBm
2 N 1 f 2.483 5 GHz -57.655 dBm
3 N 1 f 2.500 0 GHz -56.321 dBm
4 N 1 f 2.494 8 GHz -55.358 dBm
MSG
STATUS

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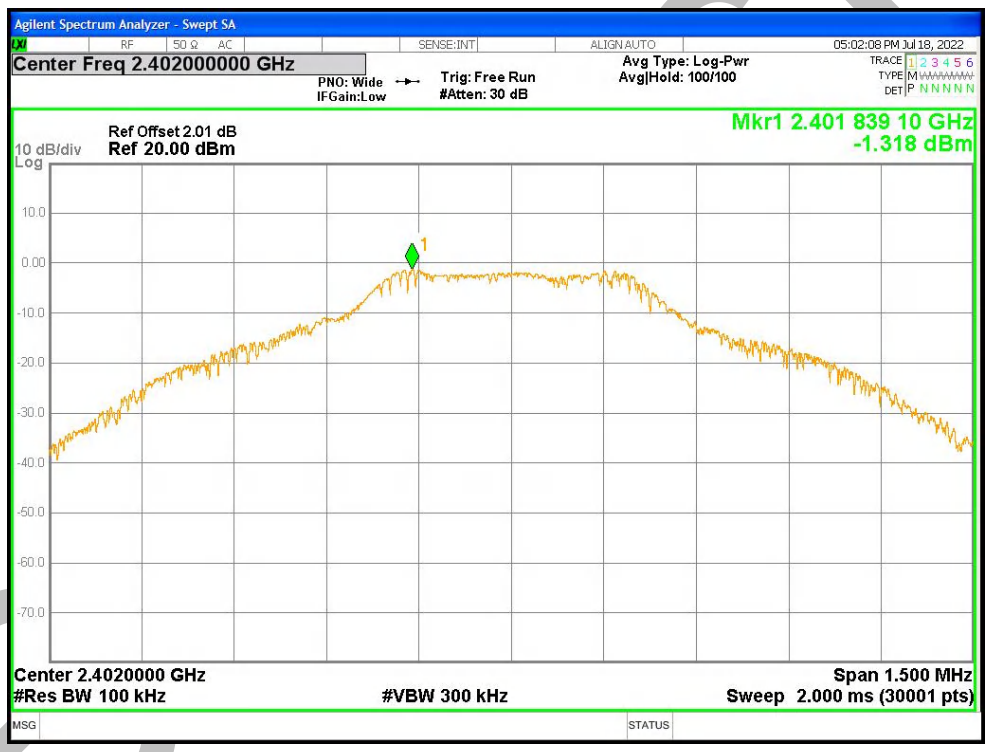
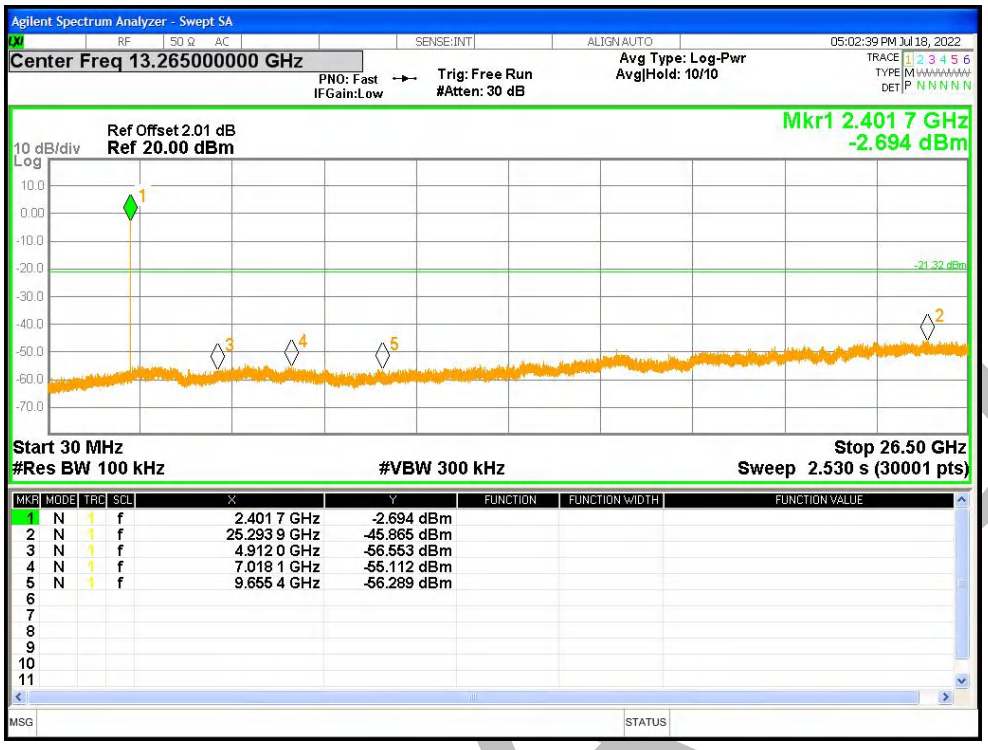
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-44.54	-20	Pass
NVNT	1-DH1	2441	Ant1	-43.74	-20	Pass
NVNT	1-DH1	2480	Ant1	-44.79	-20	Pass
NVNT	2-DH1	2402	Ant1	-40.98	-20	Pass
NVNT	2-DH1	2441	Ant1	-38.28	-20	Pass
NVNT	2-DH1	2480	Ant1	-40.18	-20	Pass
NVNT	3-DH1	2402	Ant1	-39.97	-20	Pass
NVNT	3-DH1	2441	Ant1	-40.12	-20	Pass
NVNT	3-DH1	2480	Ant1	-40.29	-20	Pass

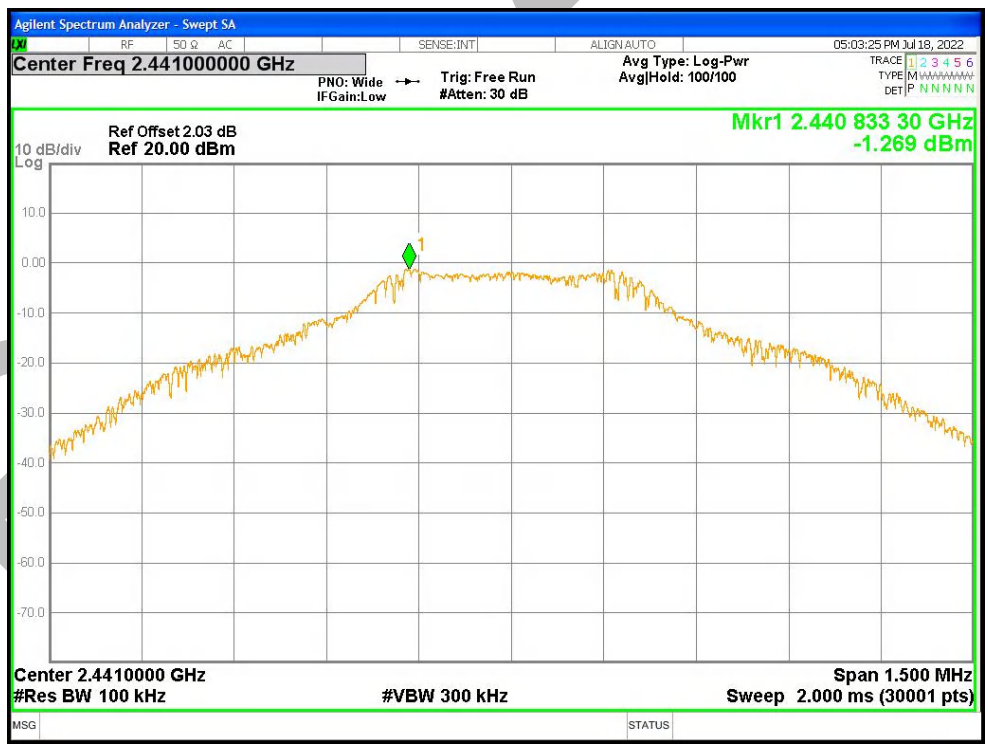
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



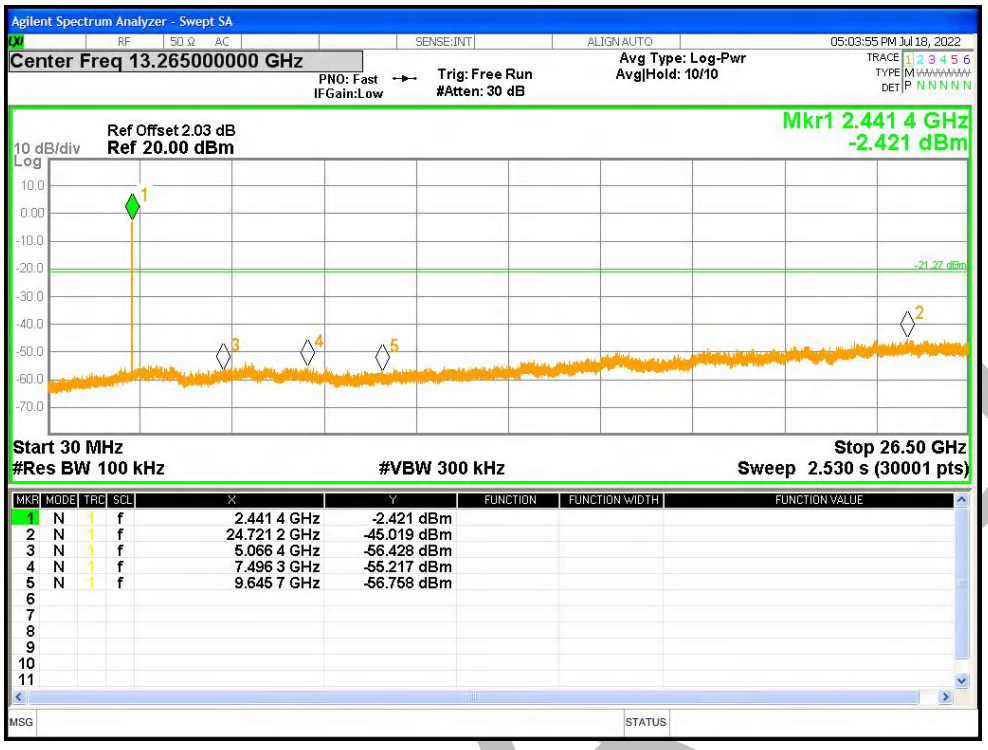
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



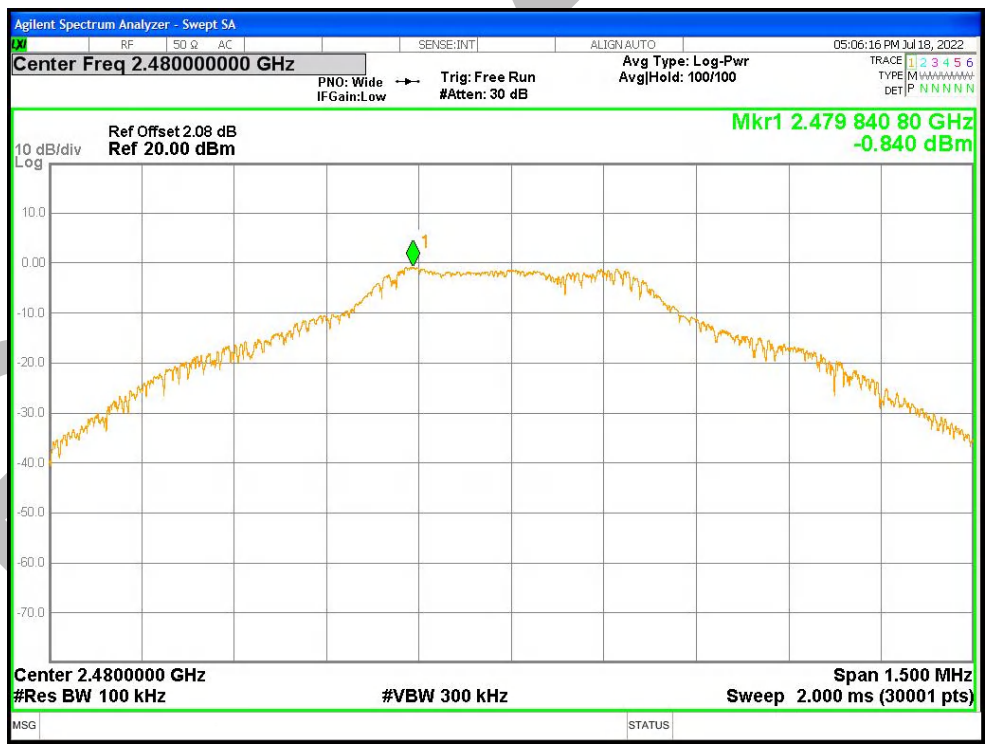
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



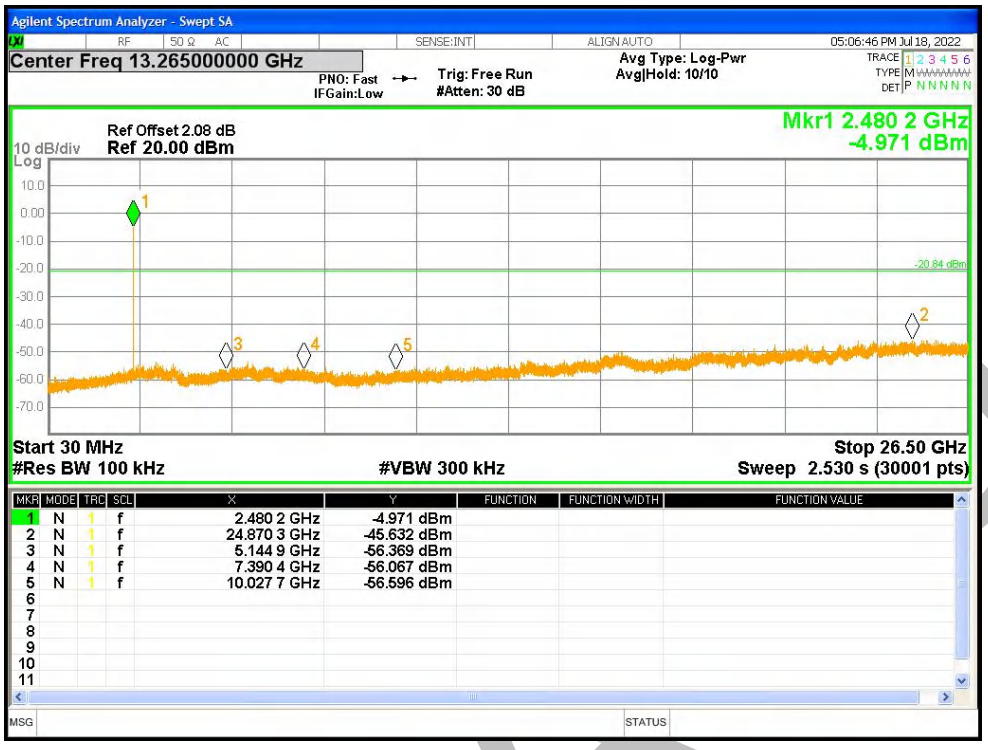
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



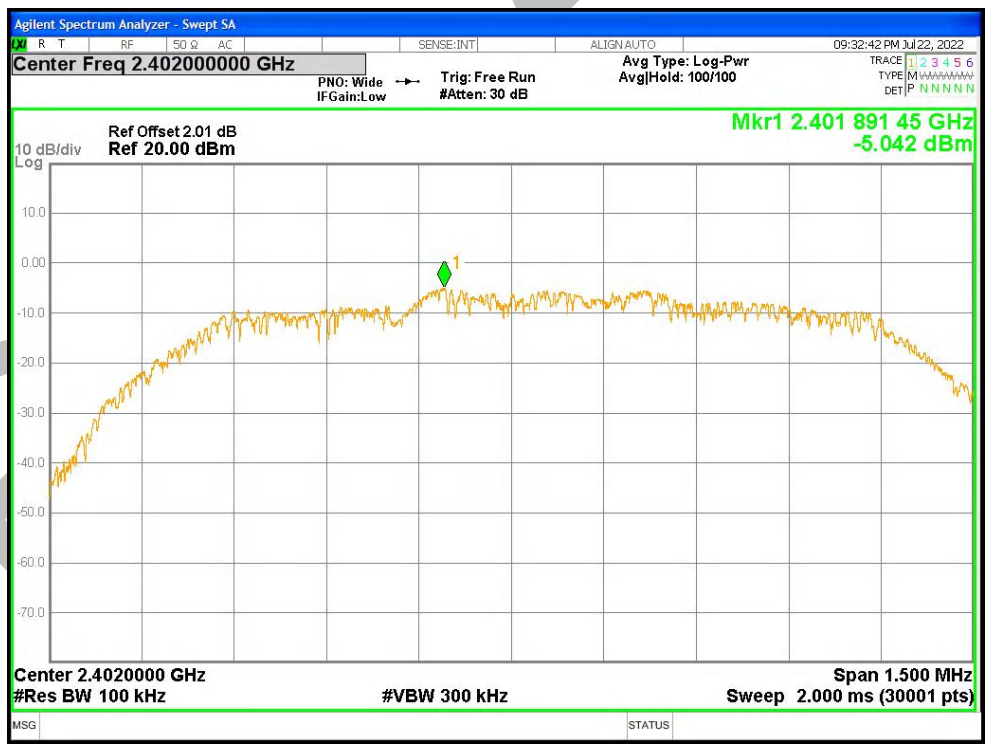
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



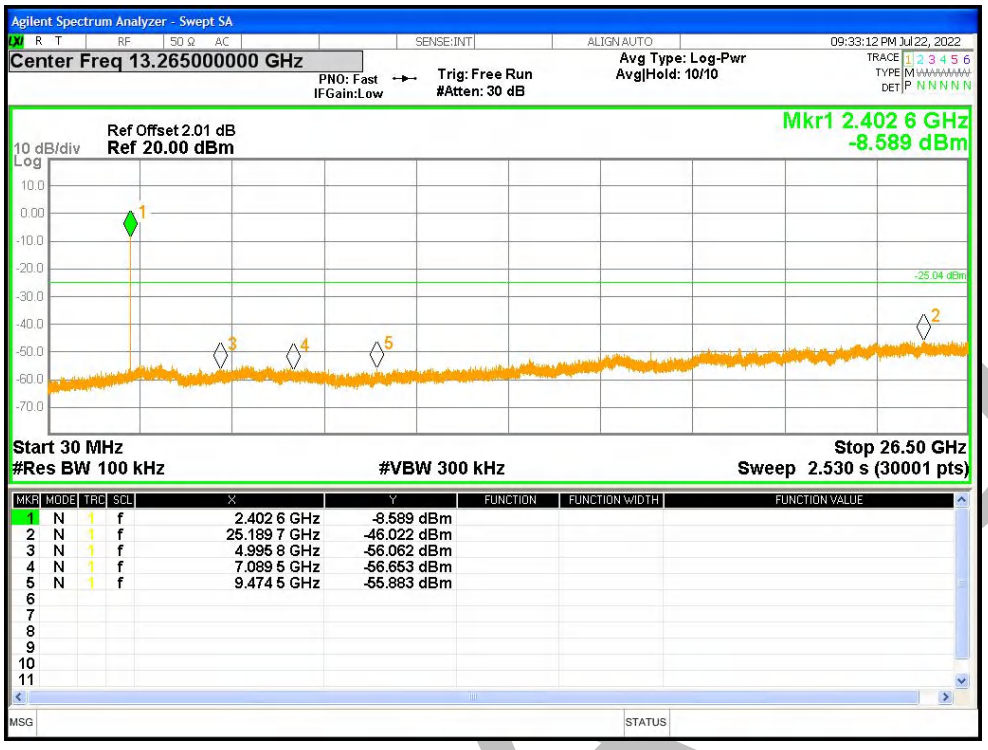
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



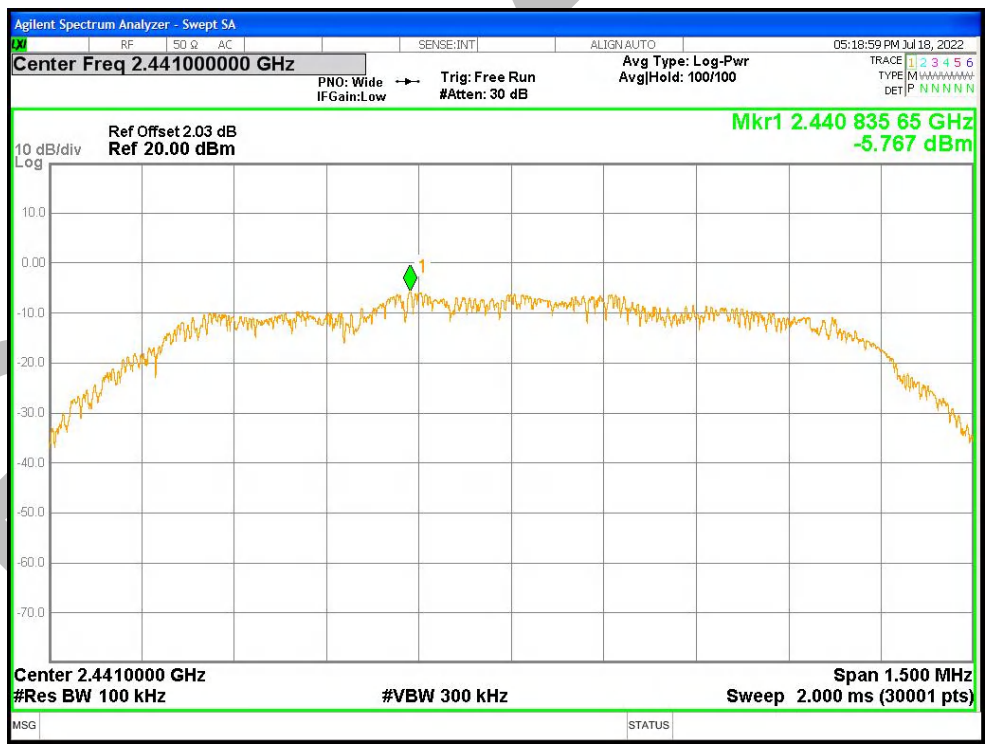
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



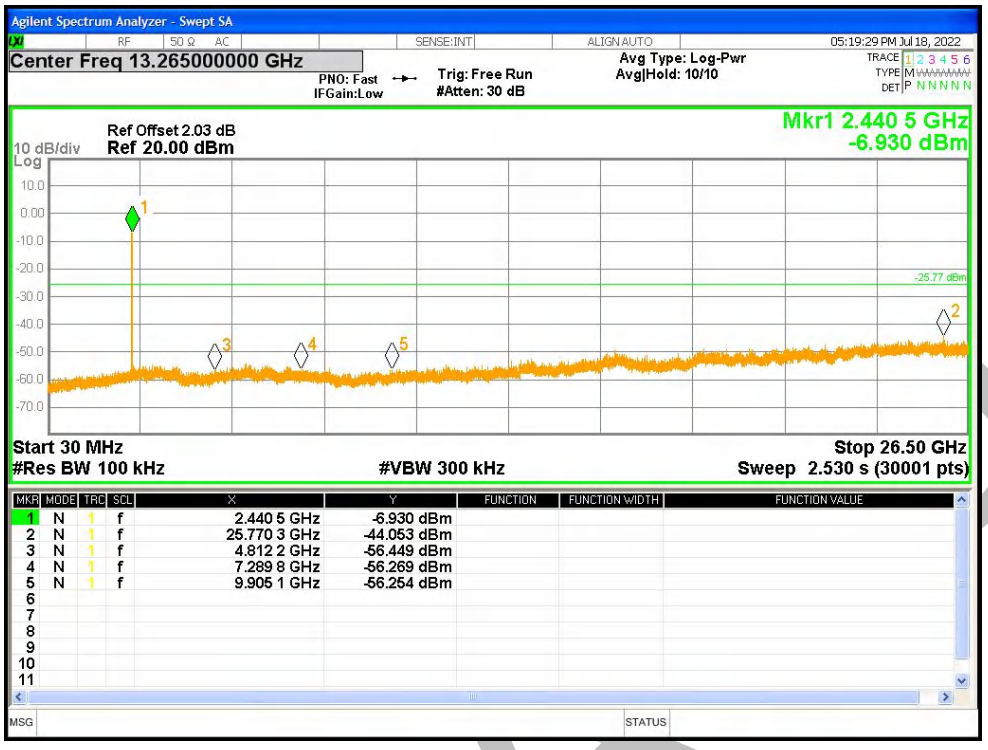
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



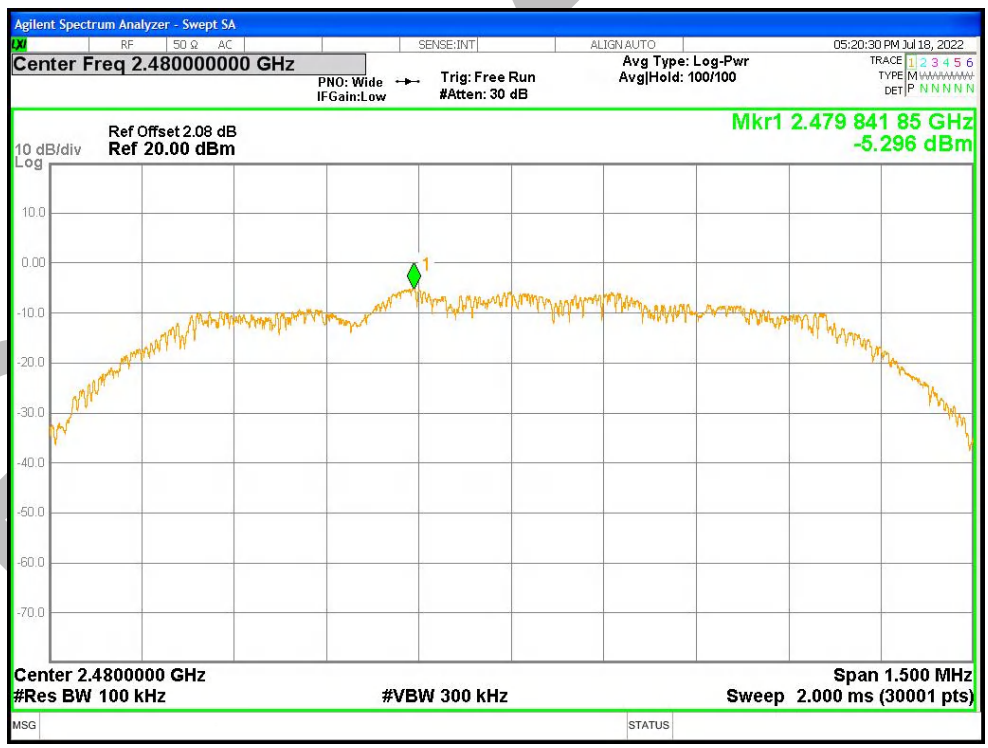
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



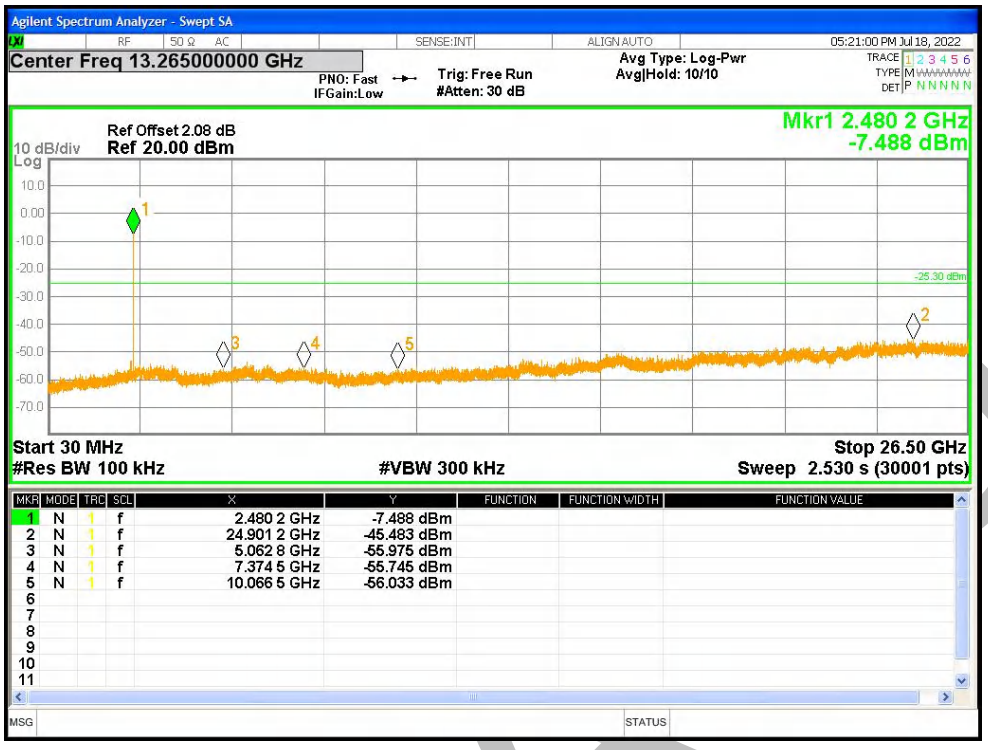
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



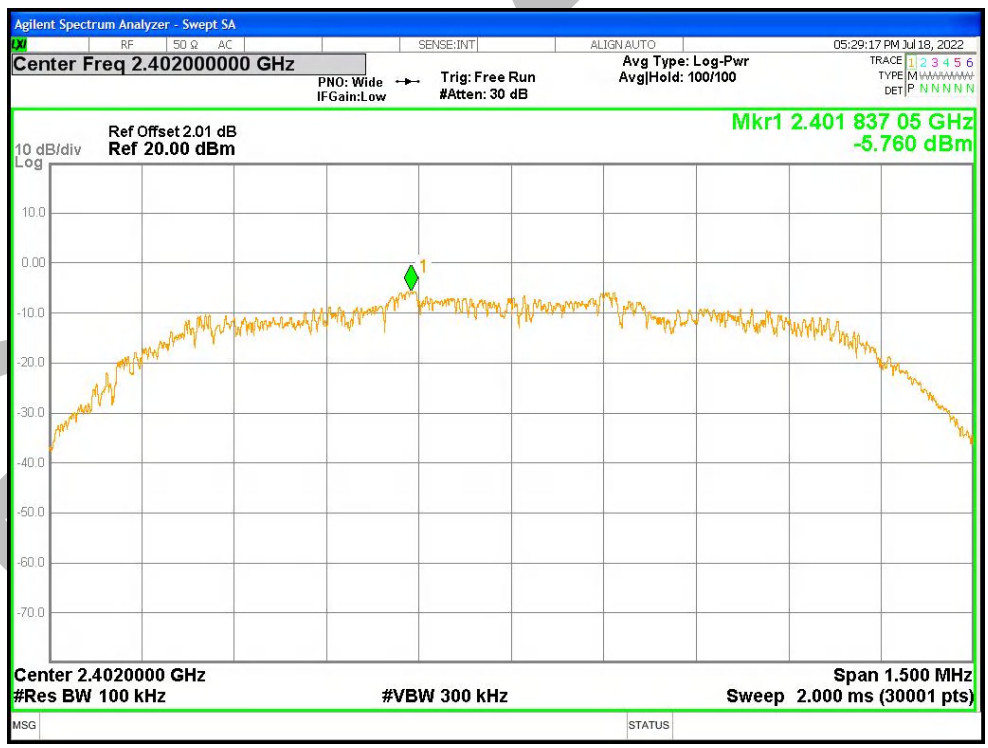
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



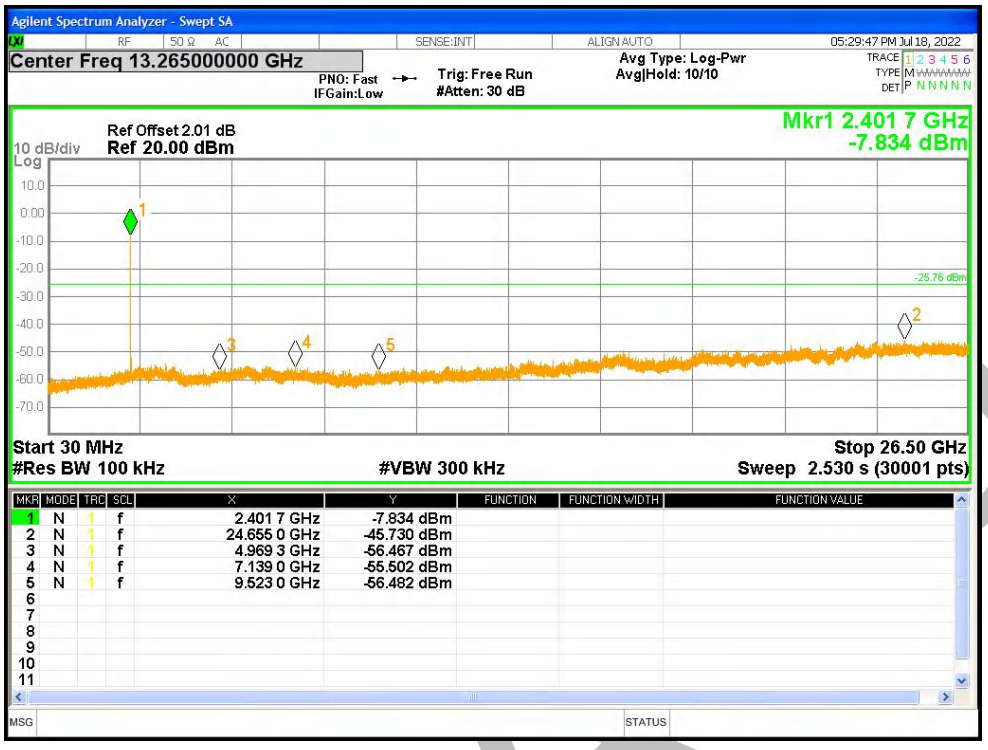
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



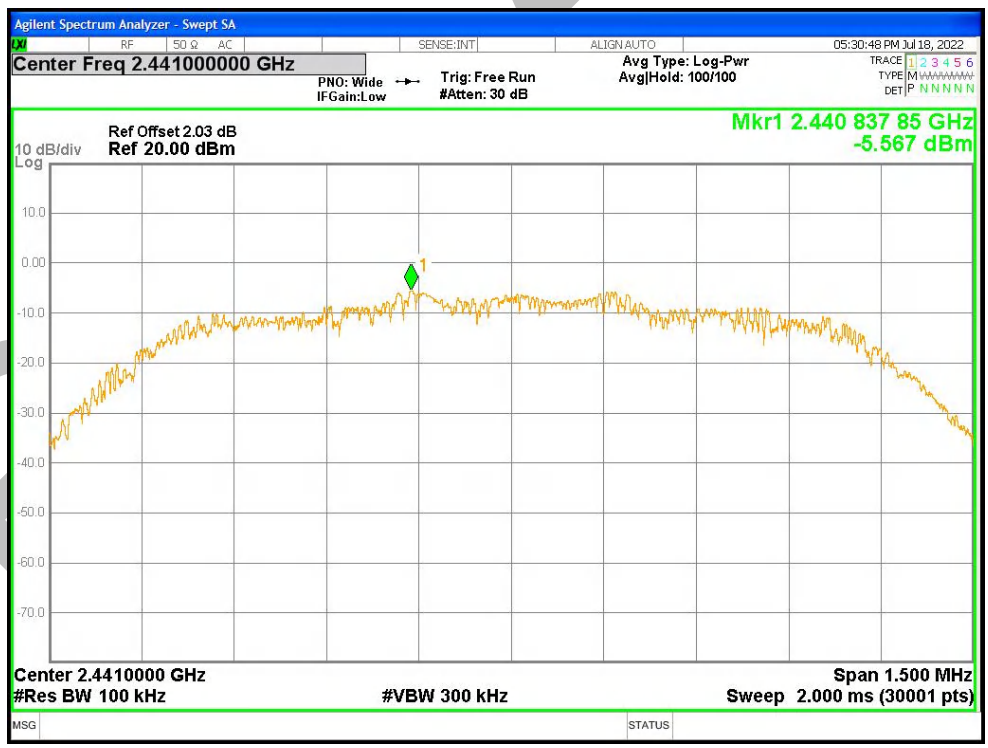
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



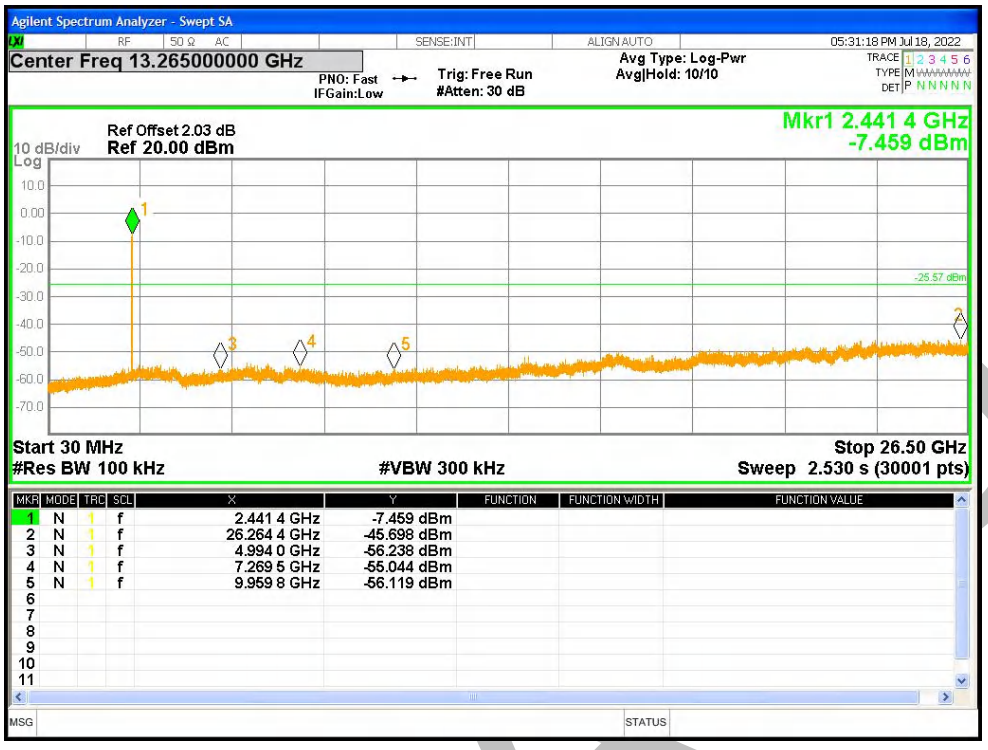
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



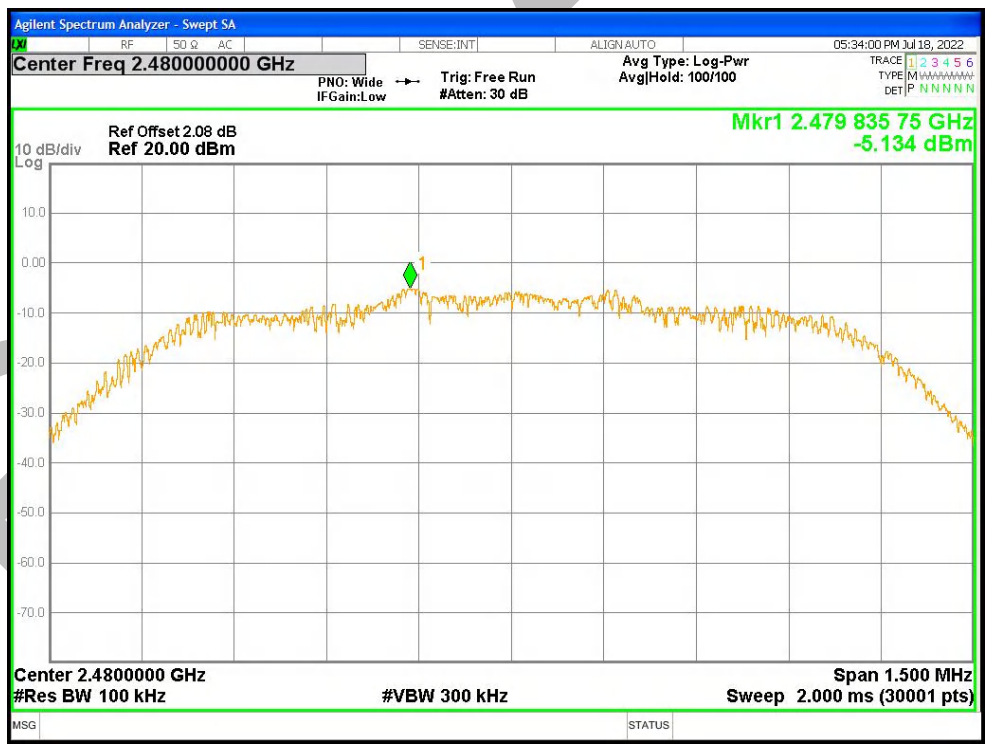
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



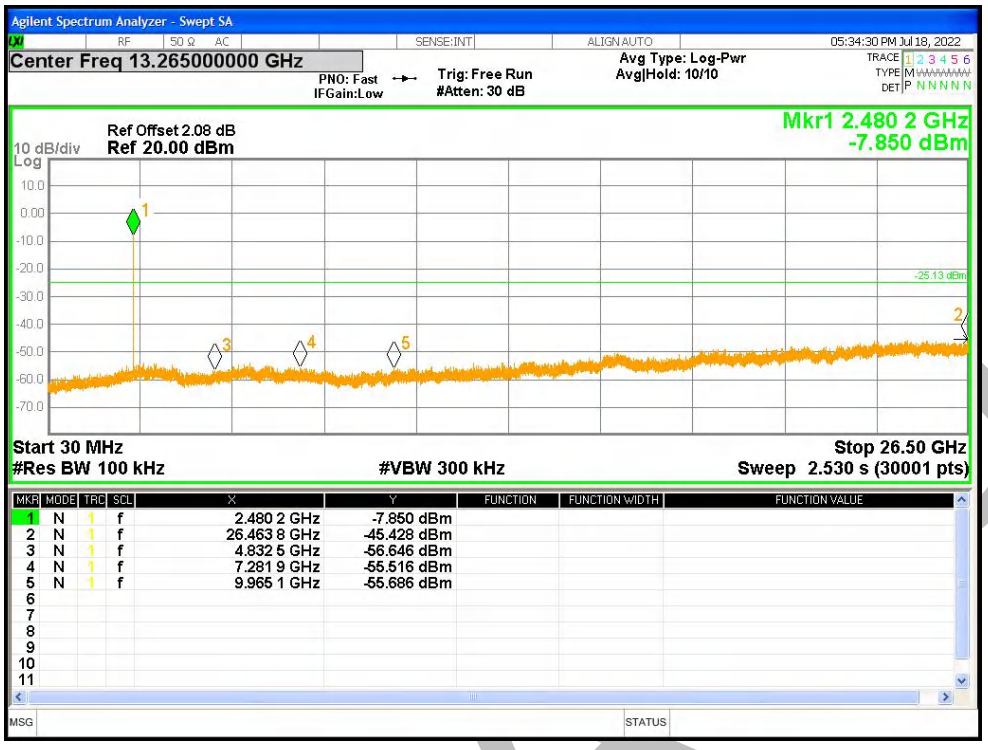
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.480 2 GHz	-7.850 dBm			
2	N	1	f	26.463 8 GHz	-45.428 dBm			
3	N	1	f	4.832 5 GHz	-56.646 dBm			
4	N	1	f	7.281 9 GHz	-55.516 dBm			
5	N	1	f	9.965 1 GHz	-55.686 dBm			
6								
7								
8								
9								
10								
11								

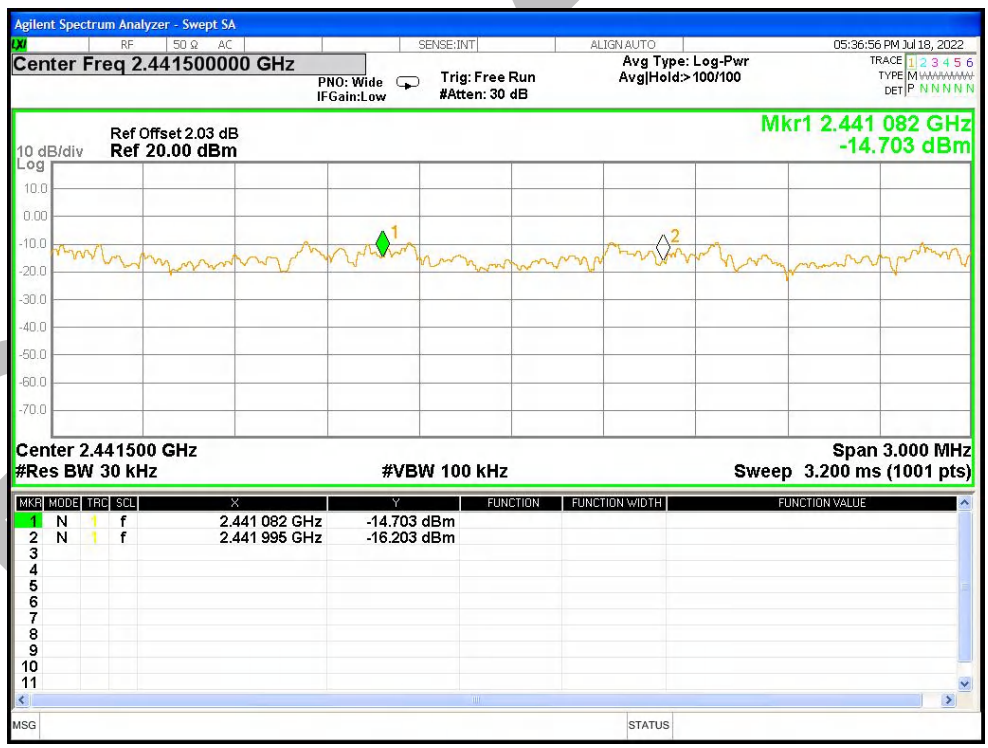
Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2441.0095	2442.01	1.0005	0.945	Pass
NVNT	2-DH1	Ant1	2441.023	2442.169	1.146	0.891	Pass
NVNT	3-DH1	Ant1	2441.0815	2441.995	0.9135	0.864	Pass

CFS NVNT 1-DH1 2441MHz Ant1

CFS NVNT 2-DH1 2441MHz Ant1

CFS NVNT 3-DH1 2441MHz Ant1

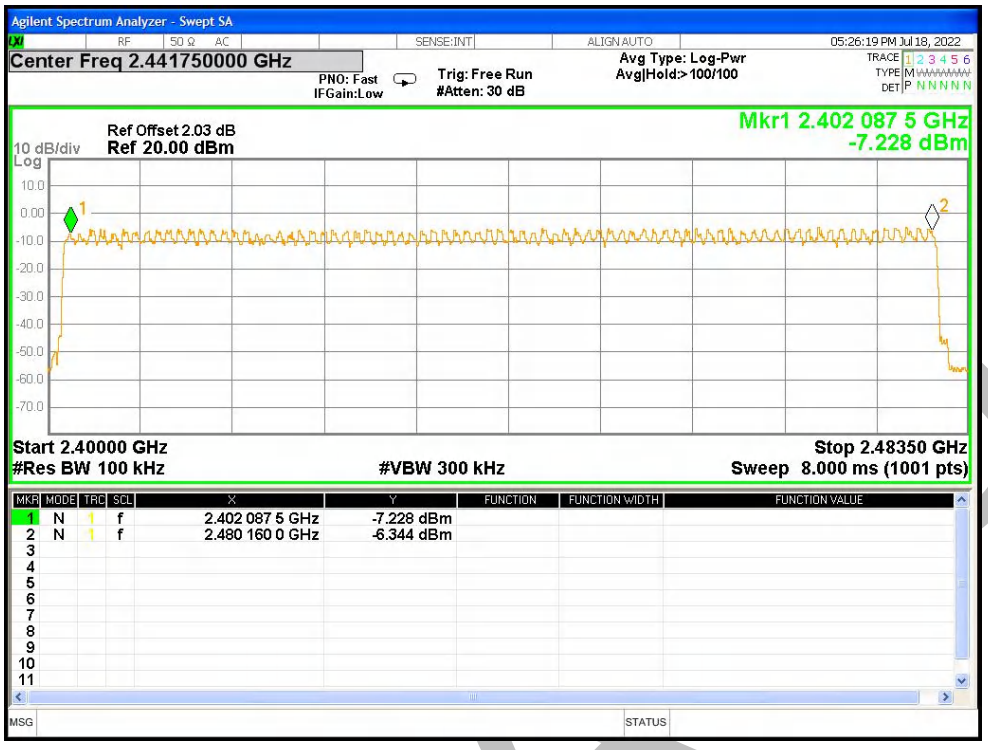


Number of Hopping Channel

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



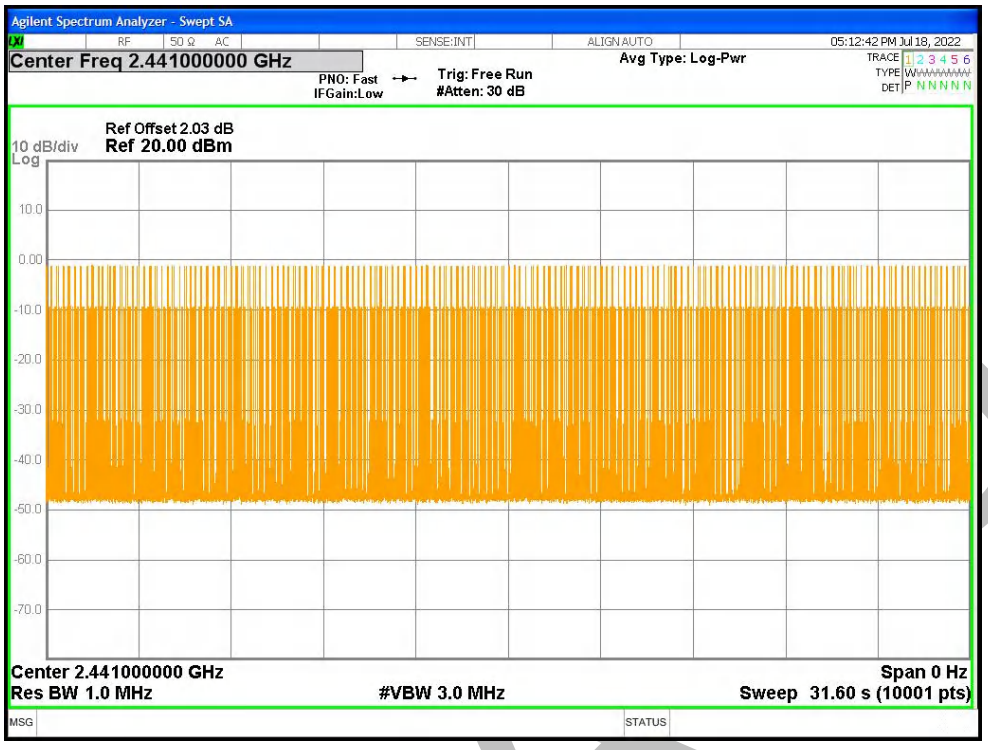
Hopping No. NVNT 3-DH1 2441MHz Ant1

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	0.358	113.844	318	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.638	260.442	159	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.886	320.346	111	31600	400	Pass

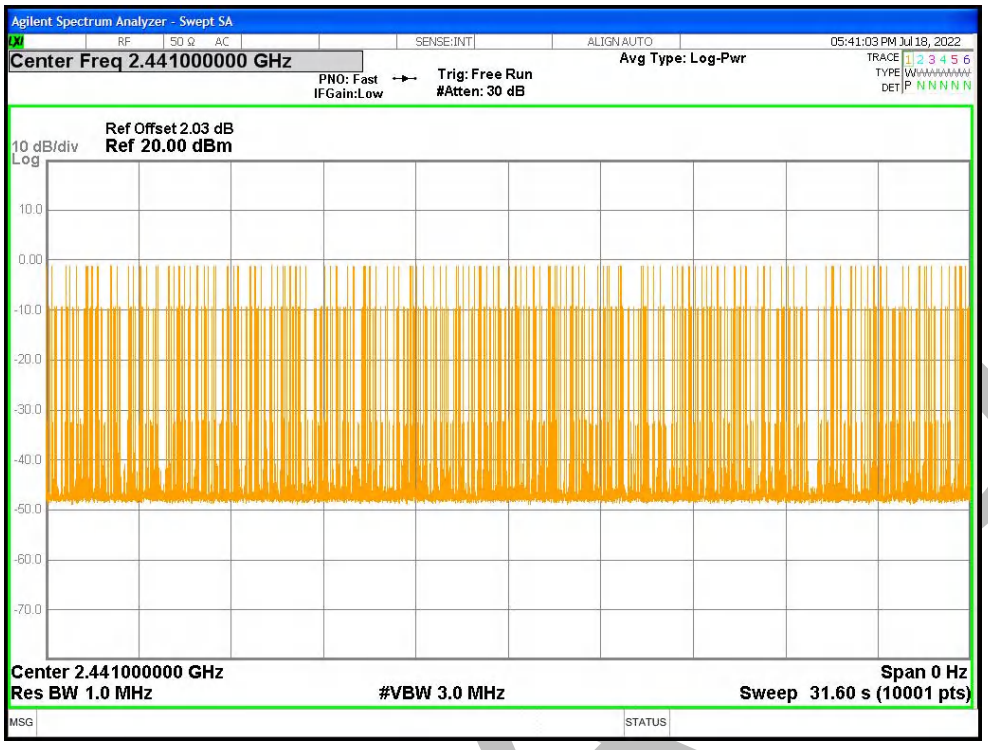
Dwell NVNT 1-DH1 2441MHz Ant1 One Burst

Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated



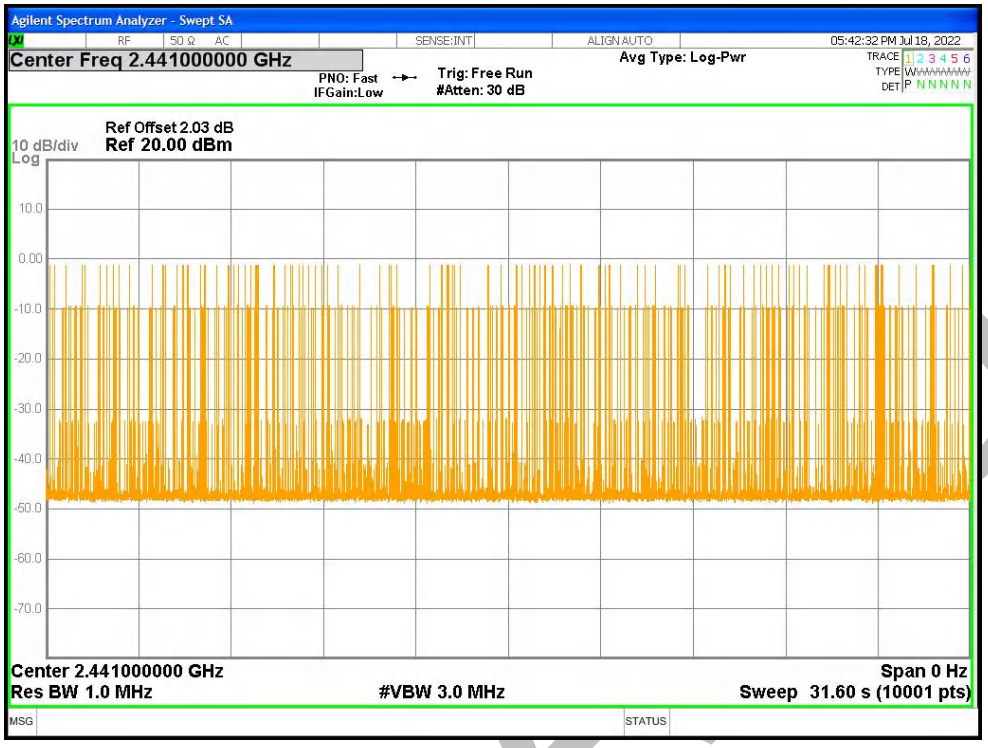
Dwell NVNT 1-DH3 2441MHz Ant1 One Burst

Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated



Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



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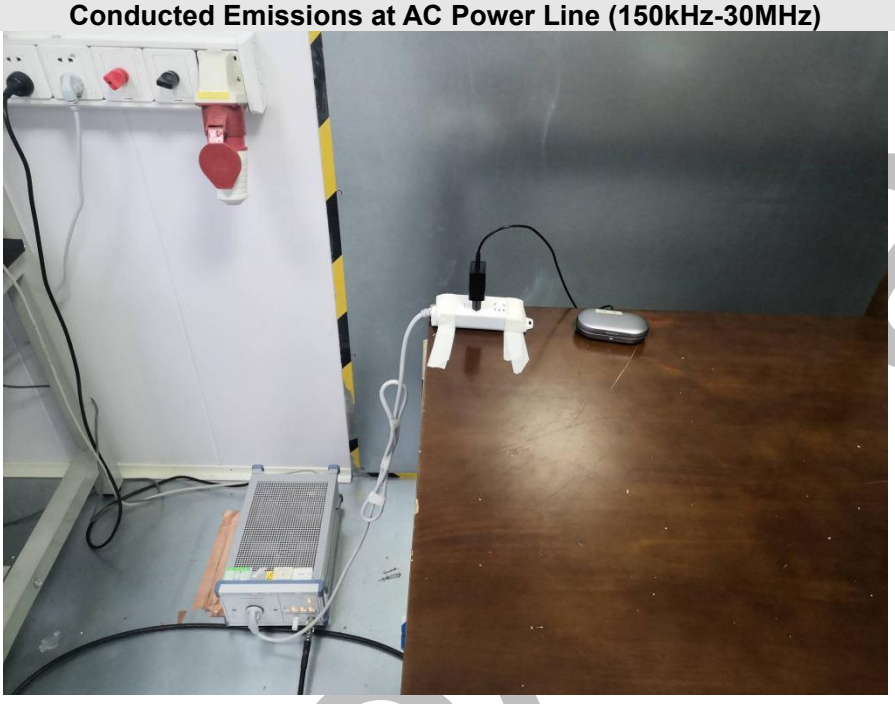
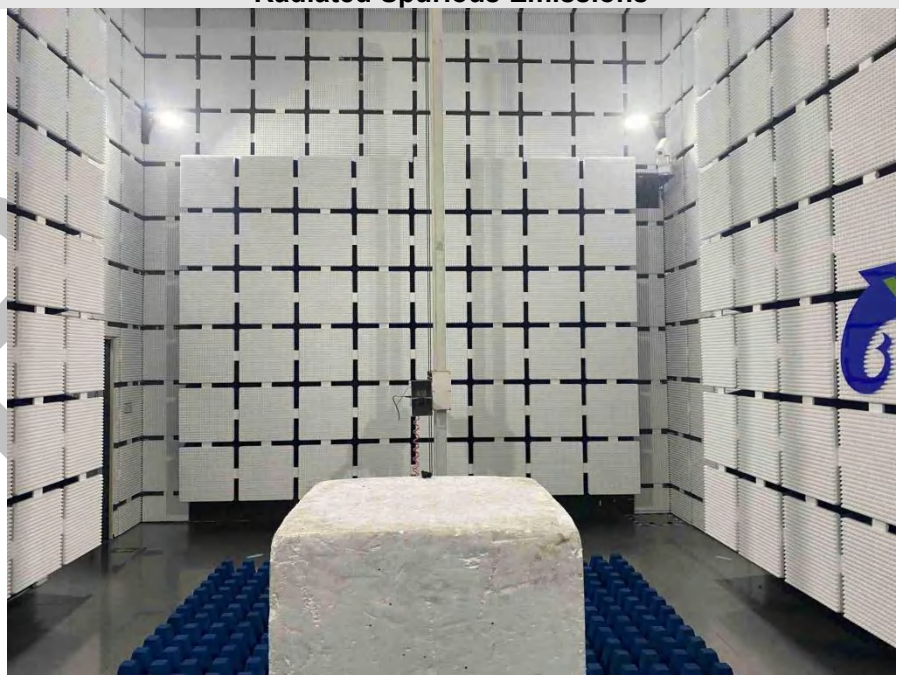
APPENDIX A: PHOTOGRAPHS OF TEST SETUP

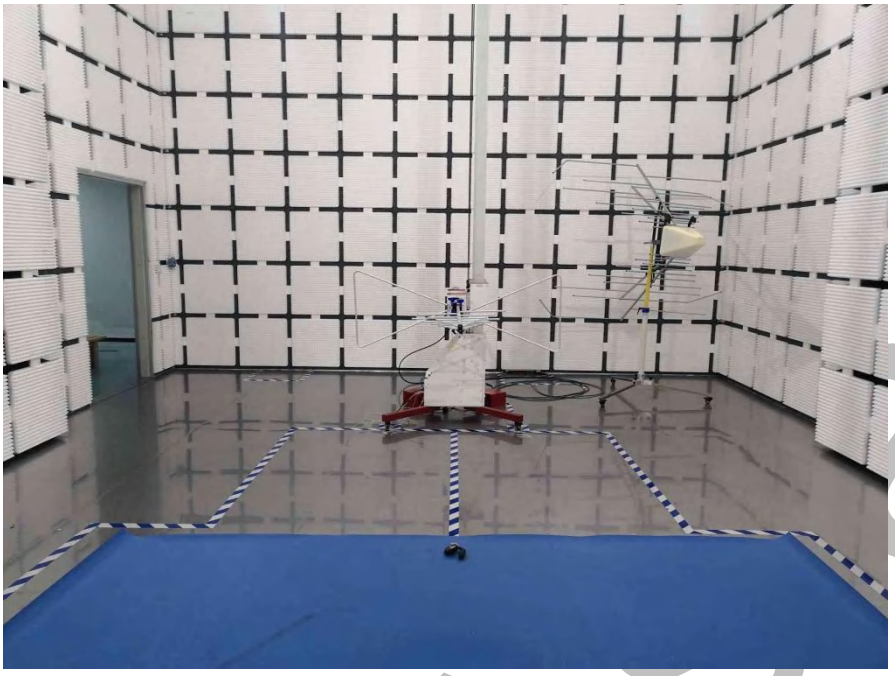
left channel:

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



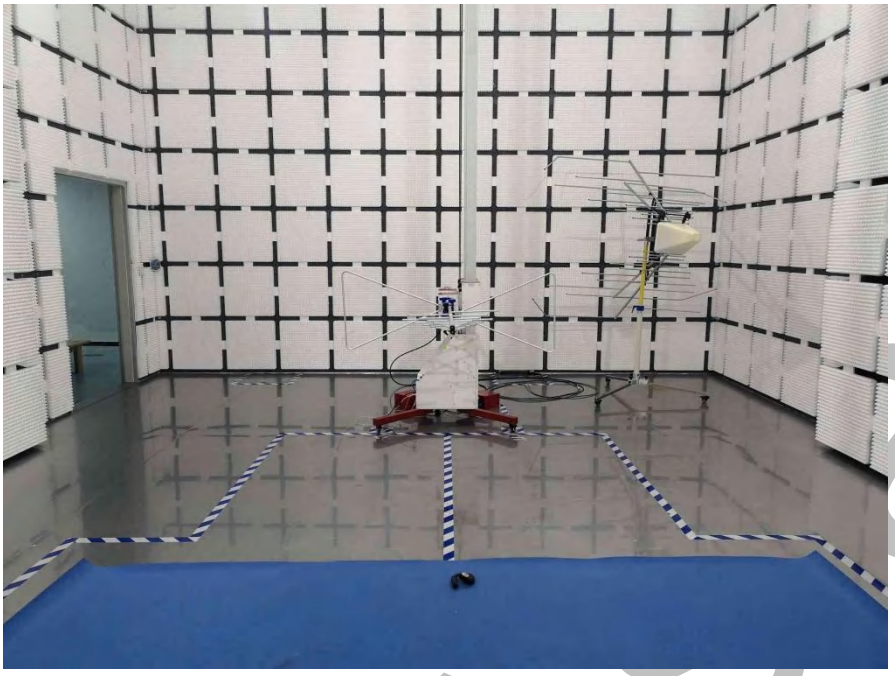
Radiated Spurious Emissions





right channel:

Radiated Spurious Emissions



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APPENDIX B: PHOTOGRAPHS OF EUT

Reference to the test report No. BLA-EMC-202206-A13701

----END OF REPORT----

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full.

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