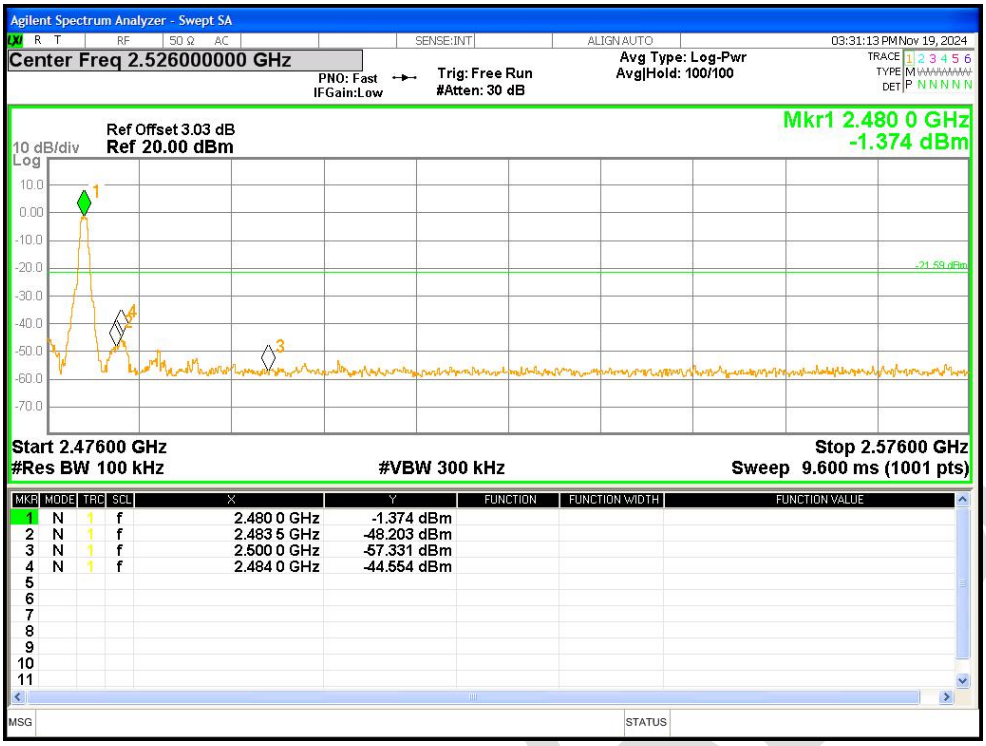
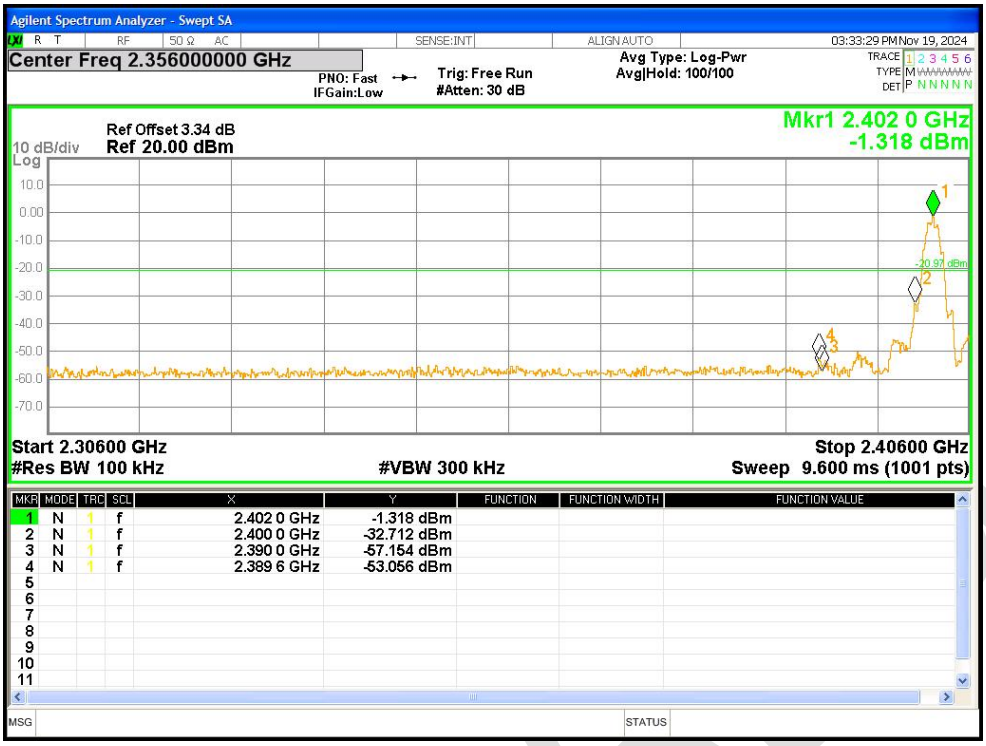
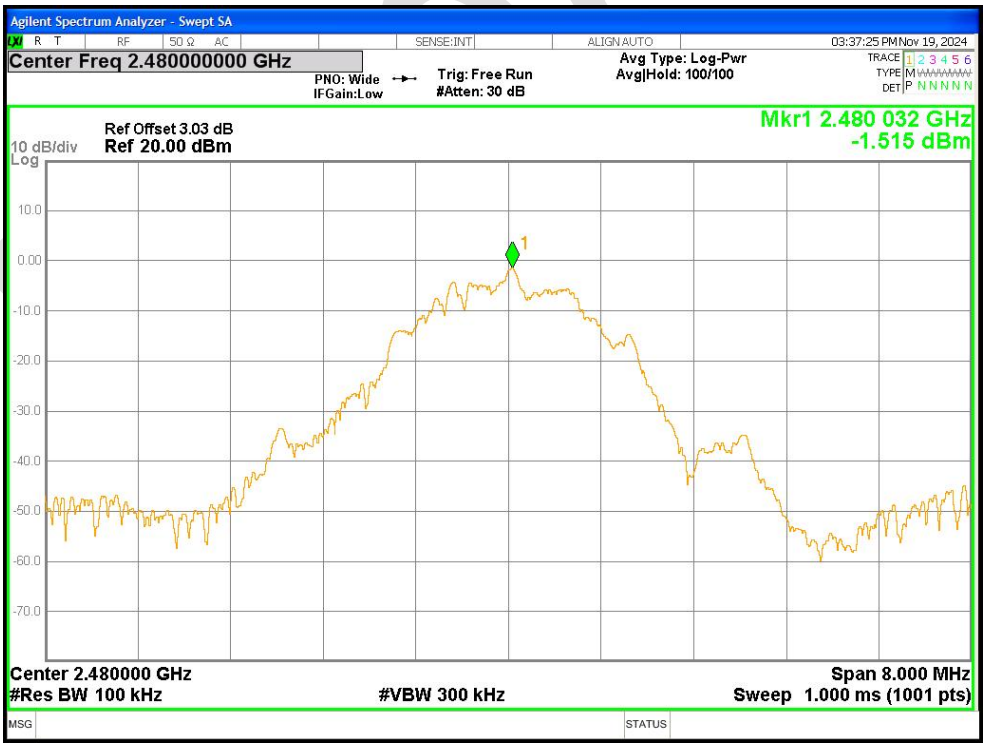


Band Edge NVNT BLE 2M 2402MHz Ant1 Ref

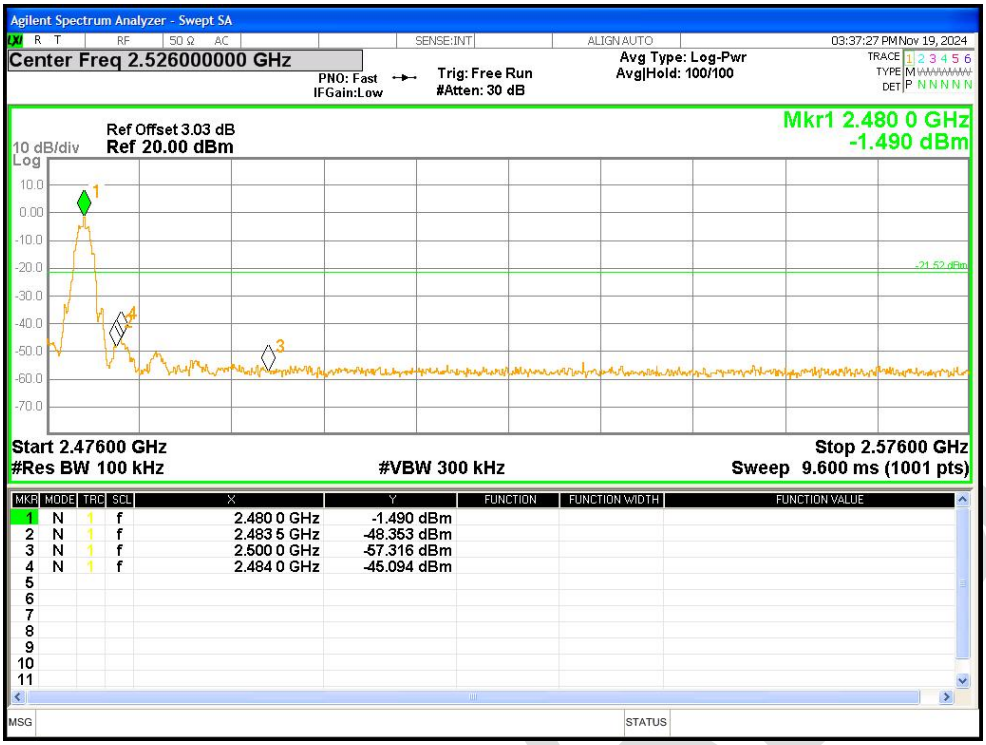
Band Edge NVNT BLE 2M 2402MHz Ant1 Emission



Band Edge NVNT BLE 2M 2480MHz Ant1 Ref



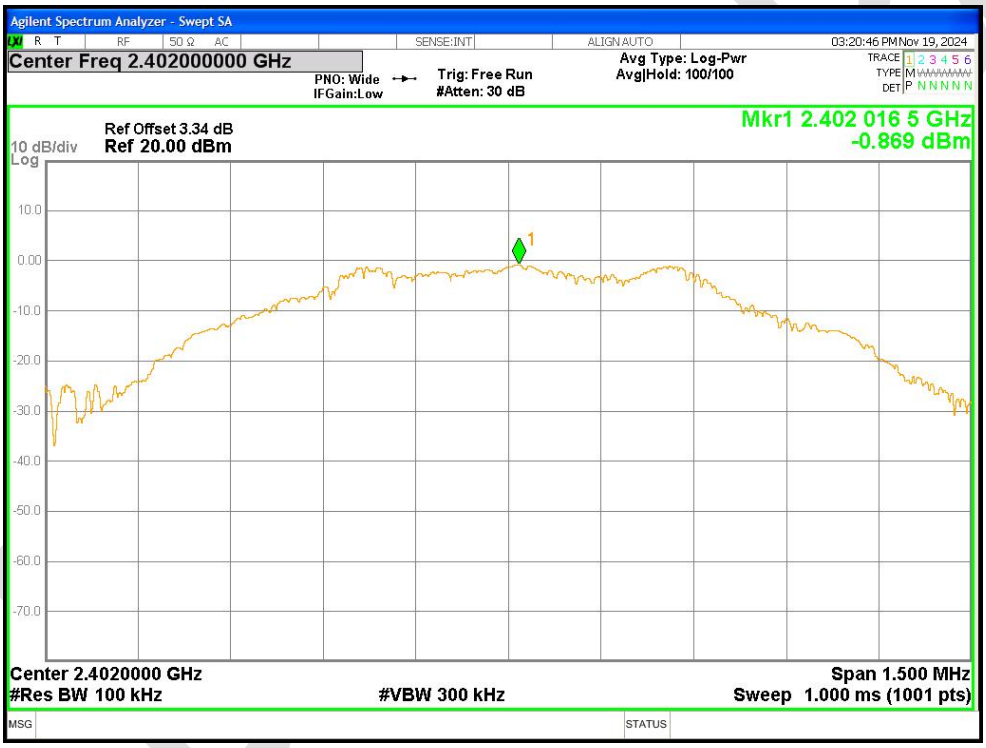
Band Edge NVNT BLE 2M 2480MHz Ant1 Emission


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.526000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 100/100
03:37:27 PM Nov 19, 2024
Ref Offset 3.03 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.480 0 GHz
-1.490 dBm
-21.52 dBm
Start 2.47600 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.57600 GHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 2.480 0 GHz -1.490 dBm
2 N 1 f 2.483 5 GHz -48.353 dBm
3 N 1 f 2.500 0 GHz -57.316 dBm
4 N 1 f 2.484 0 GHz -45.094 dBm

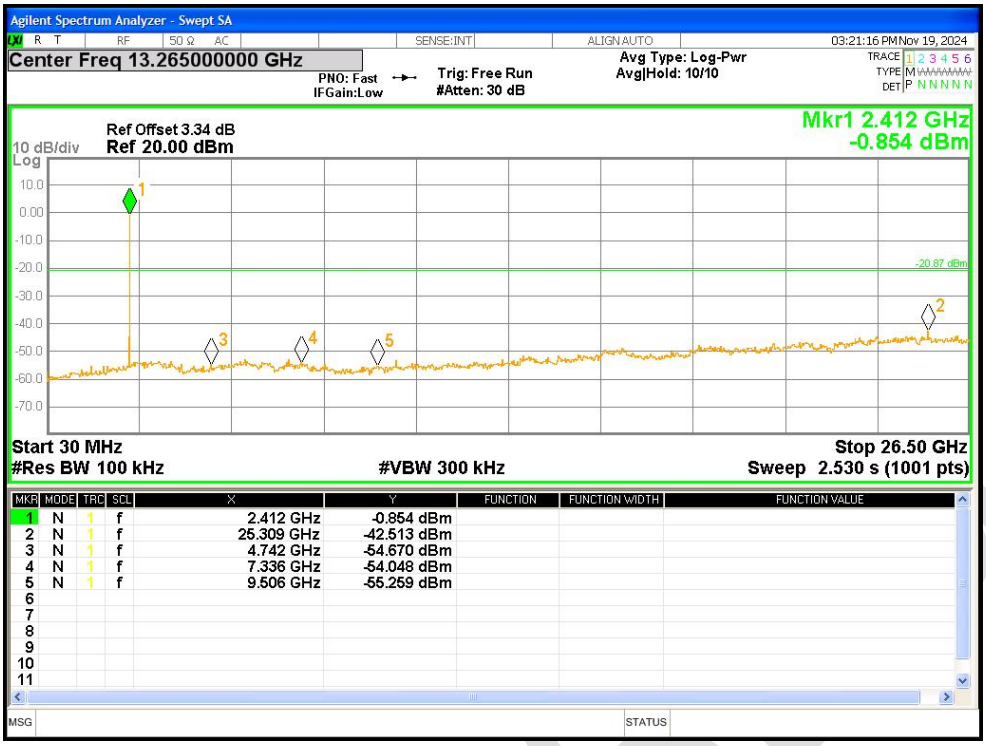
7.1.6 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-41.64	-20	Pass
NVNT	BLE 1M	2442	Ant1	-42.84	-20	Pass
NVNT	BLE 1M	2480	Ant1	-43.28	-20	Pass
NVNT	BLE 2M	2402	Ant1	-43.26	-20	Pass
NVNT	BLE 2M	2442	Ant1	-42.53	-20	Pass
NVNT	BLE 2M	2480	Ant1	-43.36	-20	Pass

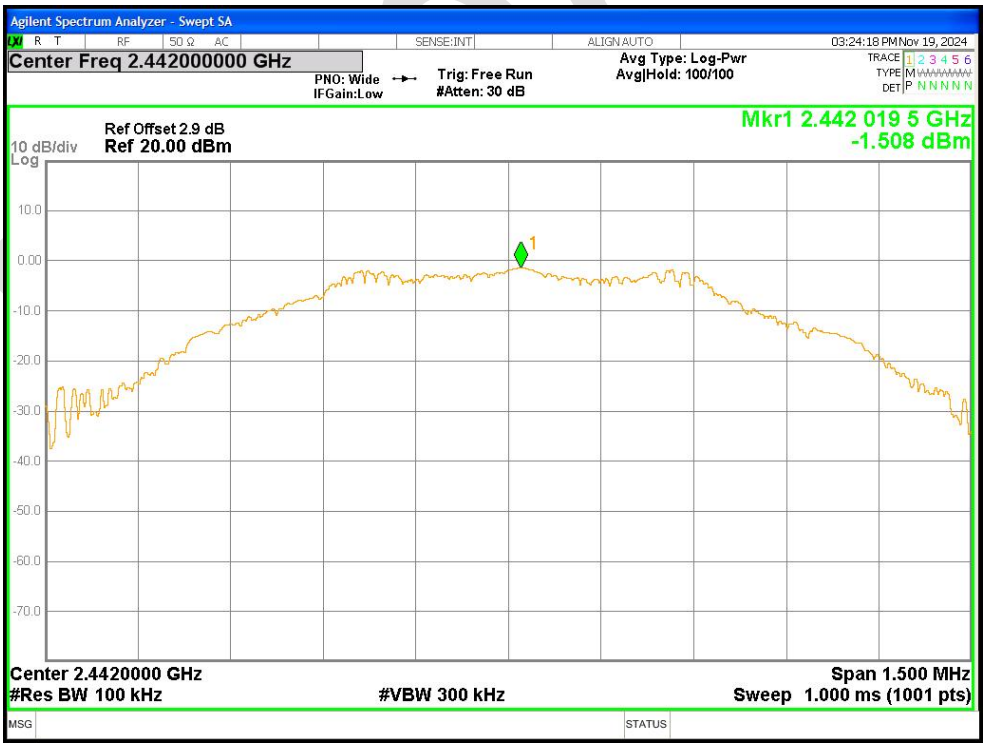
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



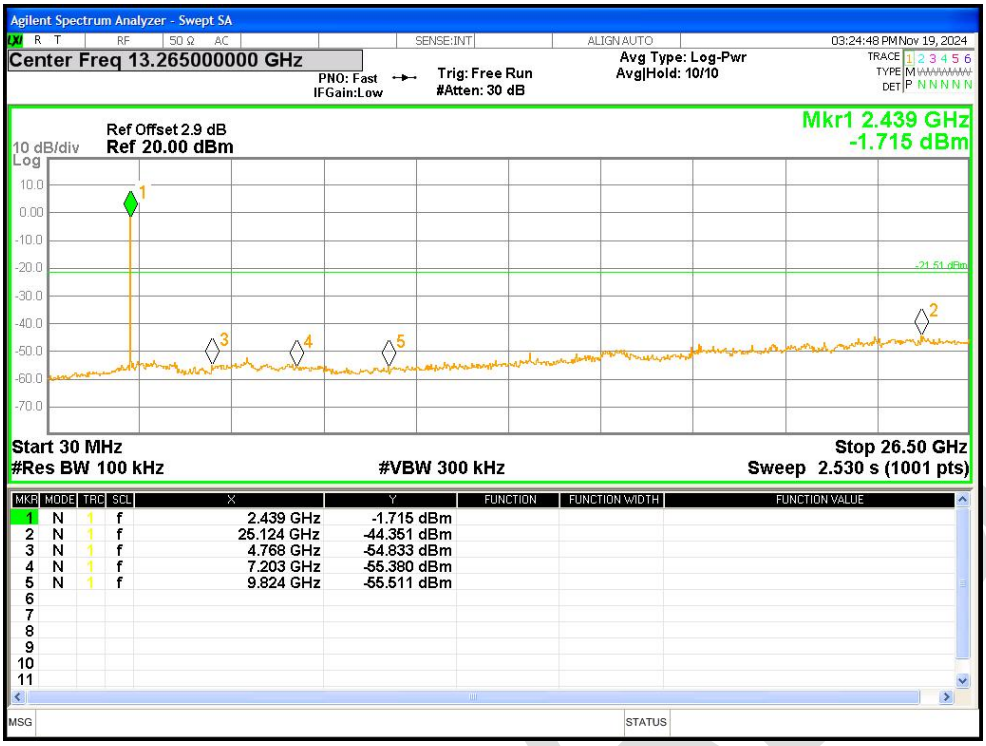
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



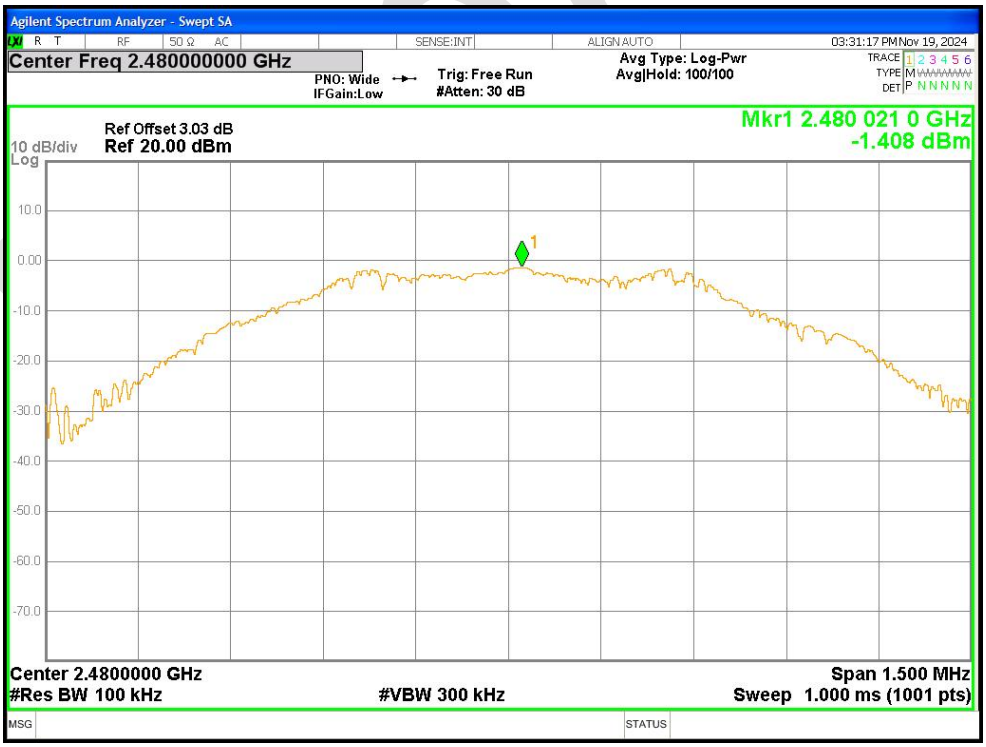
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 Ref



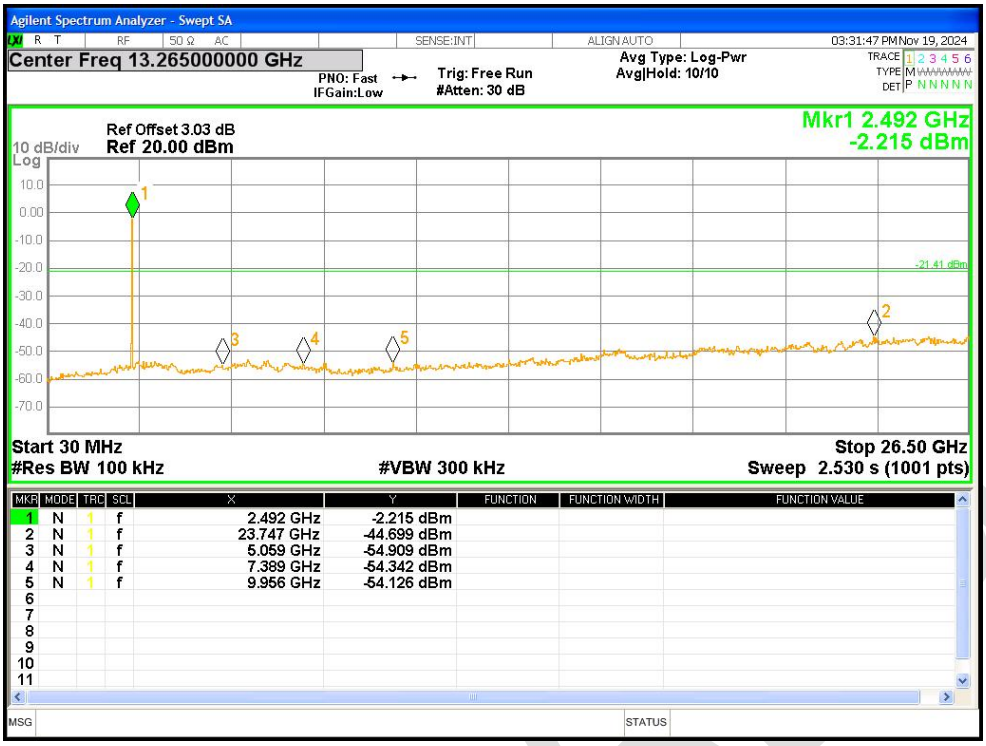
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref

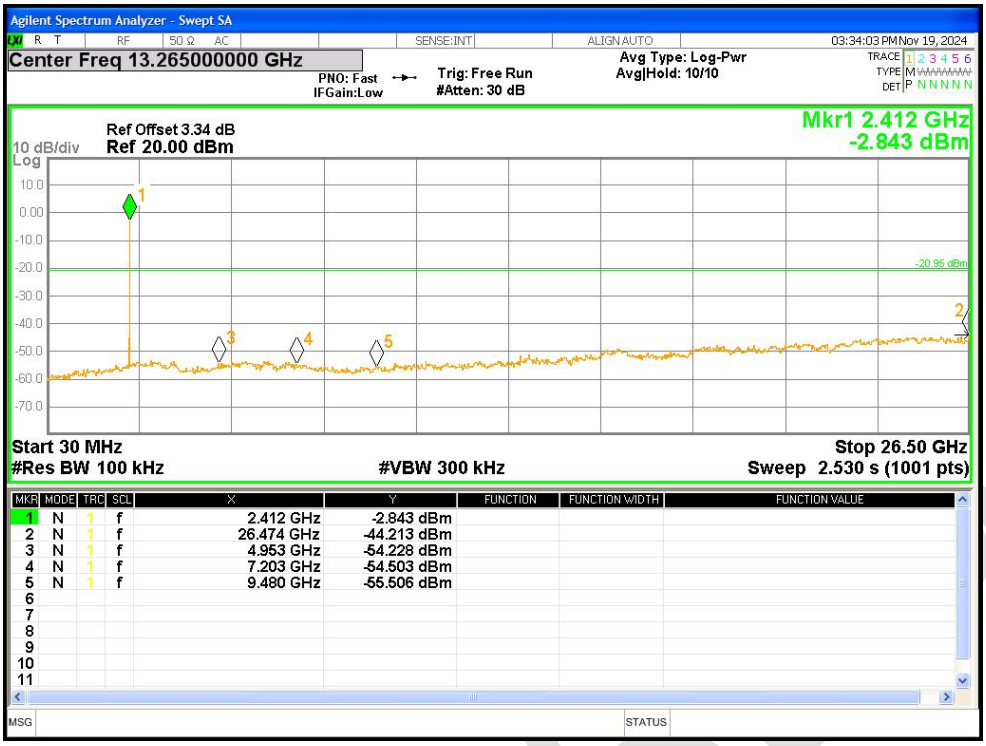


Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



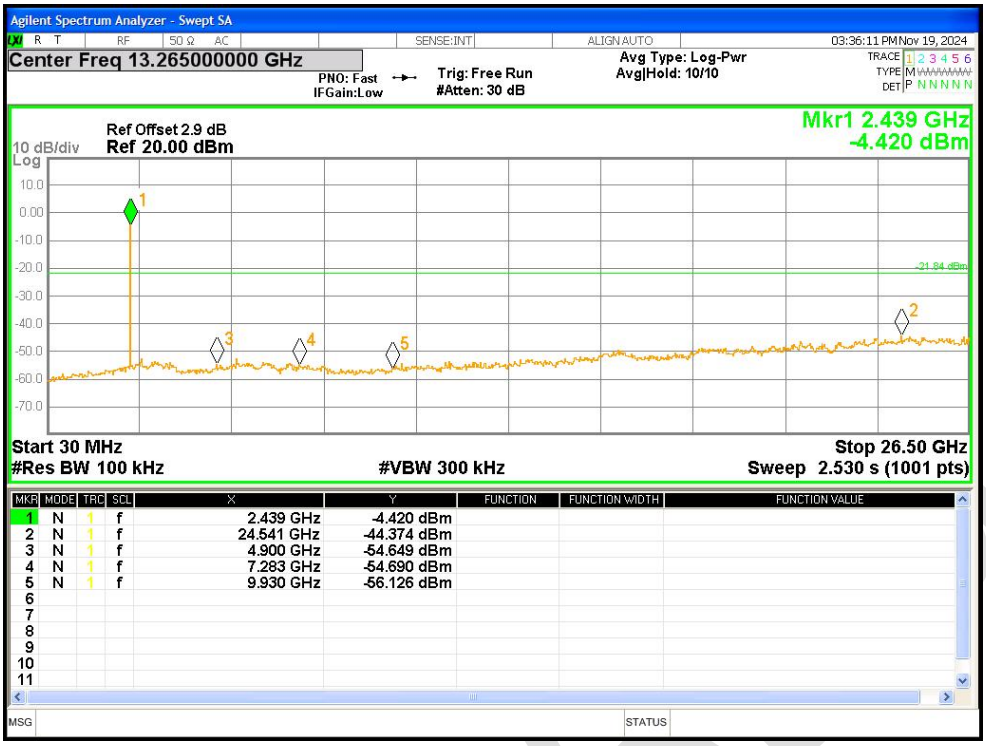
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref

Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission

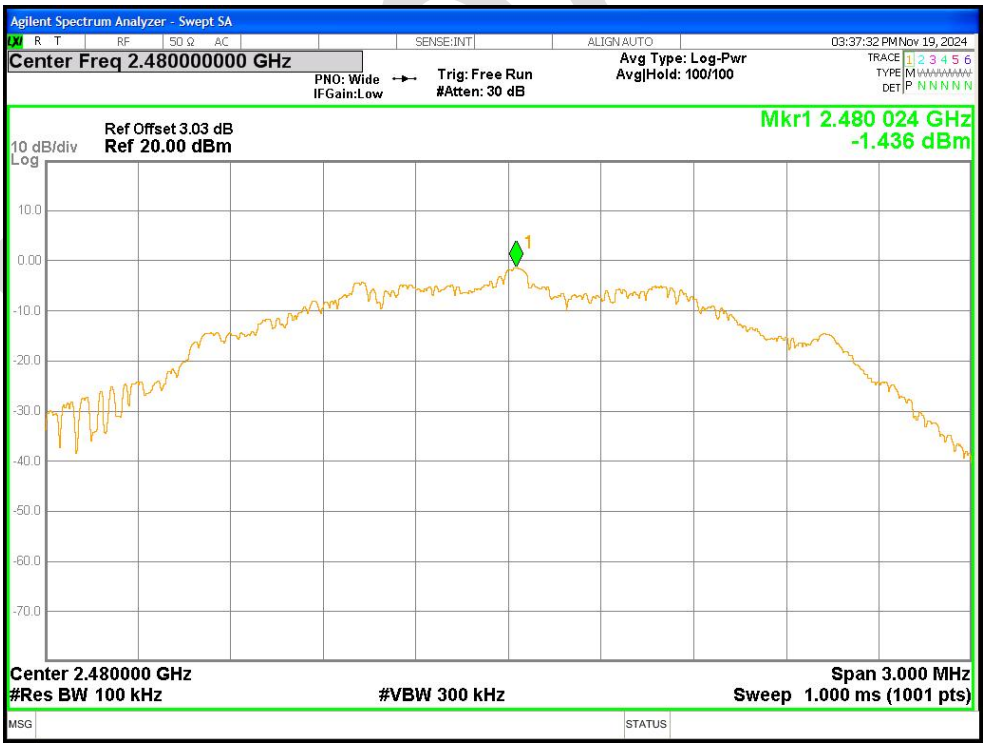


Tx. Spurious NVNT BLE 2M 2442MHz Ant1 Ref

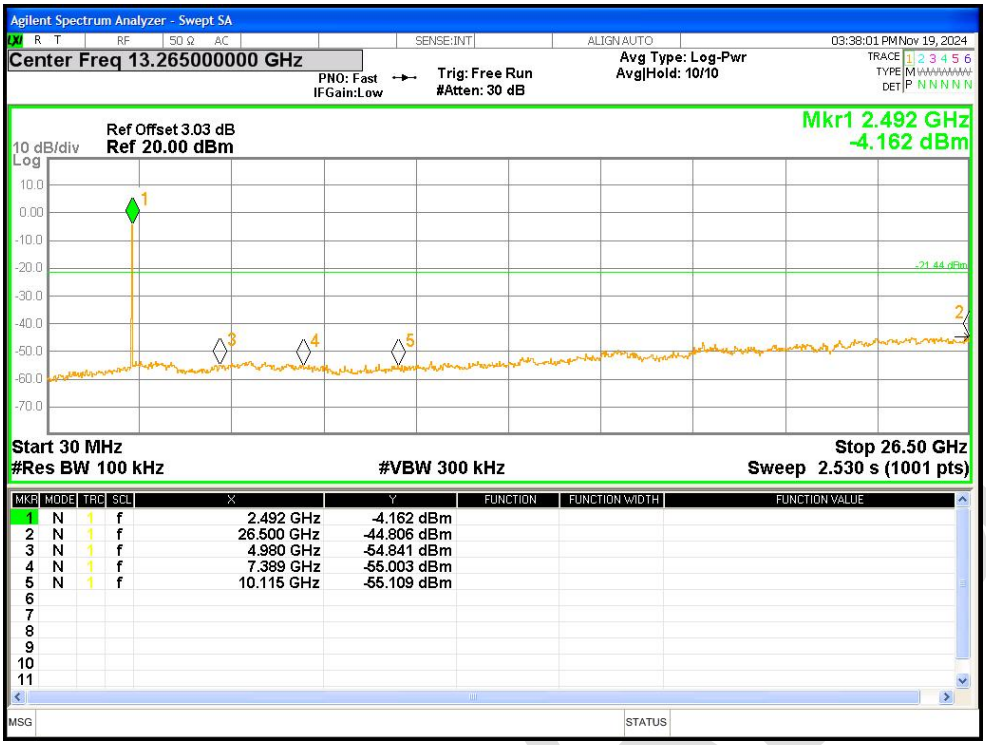
Tx. Spurious NVNT BLE 2M 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Ref



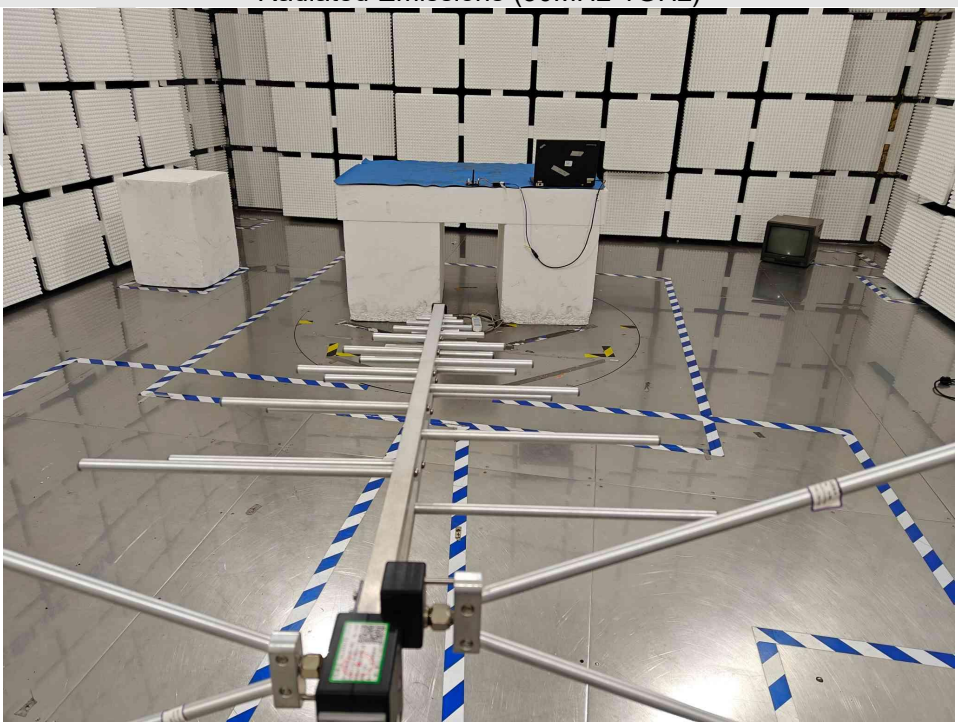
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Emission


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.265000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
03:38:01 PM Nov 19, 2024
Ref Offset 3.03 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.492 GHz
-4.162 dBm
-21.44 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.492 GHz -4.162 dBm
2 N 1 f 26.500 GHz -44.806 dBm
3 N 1 f 4.980 GHz -54.841 dBm
4 N 1 f 7.389 GHz -55.003 dBm
5 N 1 f 10.115 GHz -55.109 dBm
MSG
STATUS

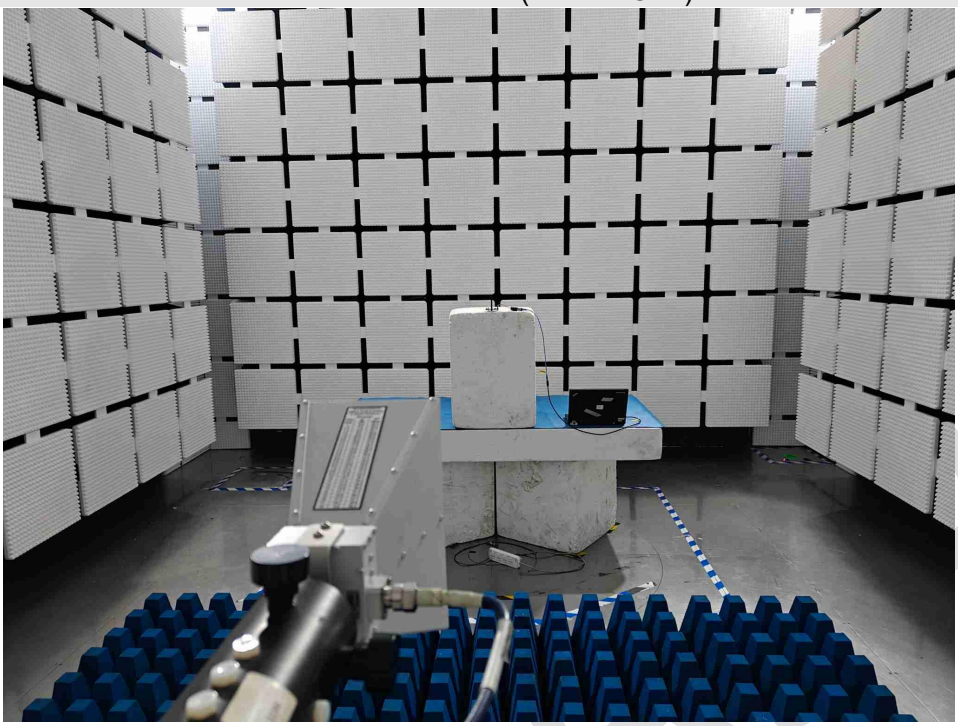
Appendix B: photographs of test setup

Conducted emissions at AC power line (150kHz-30MHz)

Radiated Emissions (30MHz-1GHz)



Radiated Emissions (above 1GHz)



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Appendix C: photographs of EUT

Reference to the test report no. BLA-EMC-202411-A2301

----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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