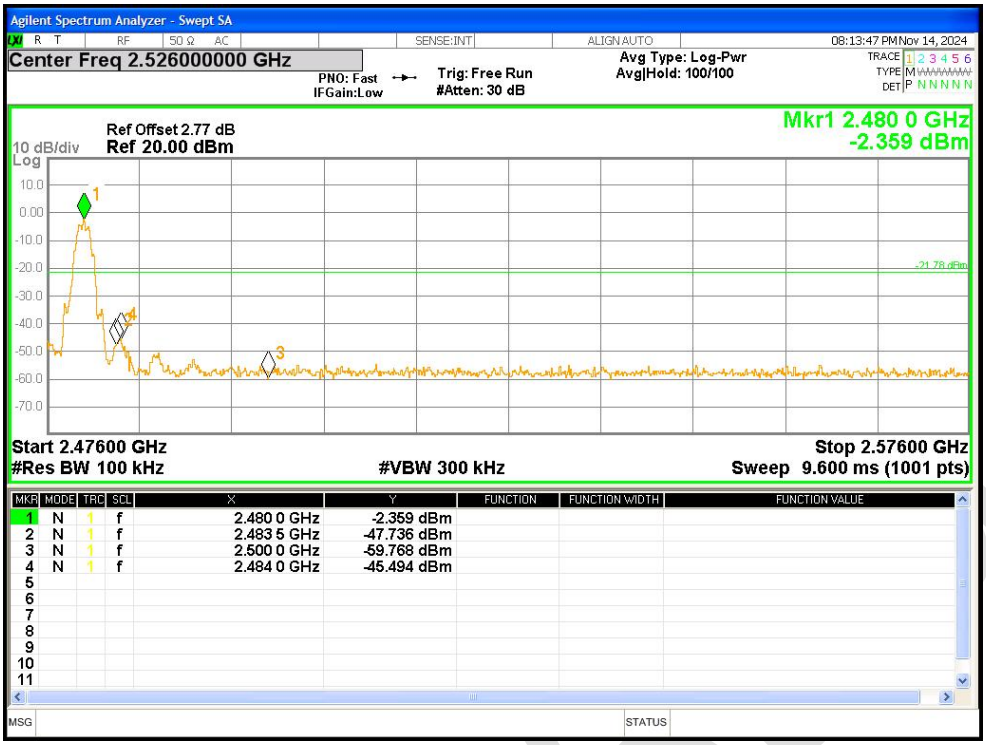
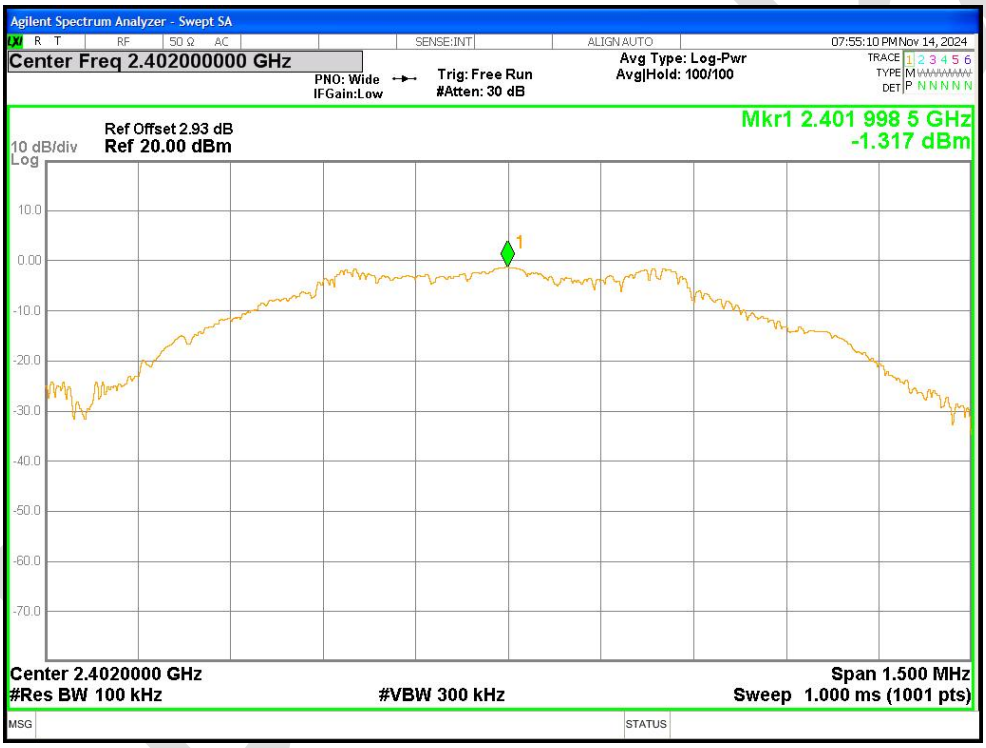

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.526000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 100/100
08:13:47 PM Nov 14, 2024
Ref Offset 2.77 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.480 0 GHz
-2.359 dBm
-21.78 dBm
Start 2.47600 GHz
#Res BW 100 kHz
#VBW 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 2.480 0 GHz -2.359 dBm
2 N 1 f 2.483 5 GHz -47.736 dBm
3 N 1 f 2.500 0 GHz -59.768 dBm
4 N 1 f 2.484 0 GHz -45.494 dBm
MSG
STATUS

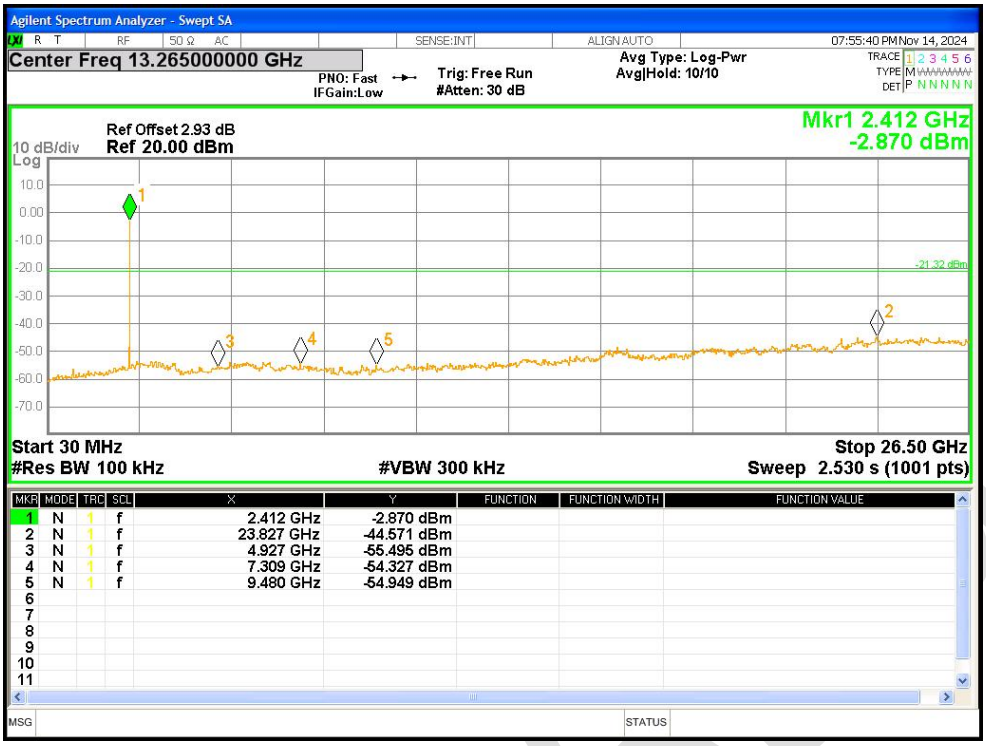
7.6 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-43.25	-20	Pass
NVNT	BLE 1M	2442	Ant1	-43.35	-20	Pass
NVNT	BLE 1M	2480	Ant1	-42.59	-20	Pass
NVNT	BLE 2M	2402	Ant1	-43.53	-20	Pass
NVNT	BLE 2M	2442	Ant1	-43.35	-20	Pass
NVNT	BLE 2M	2480	Ant1	-43.02	-20	Pass

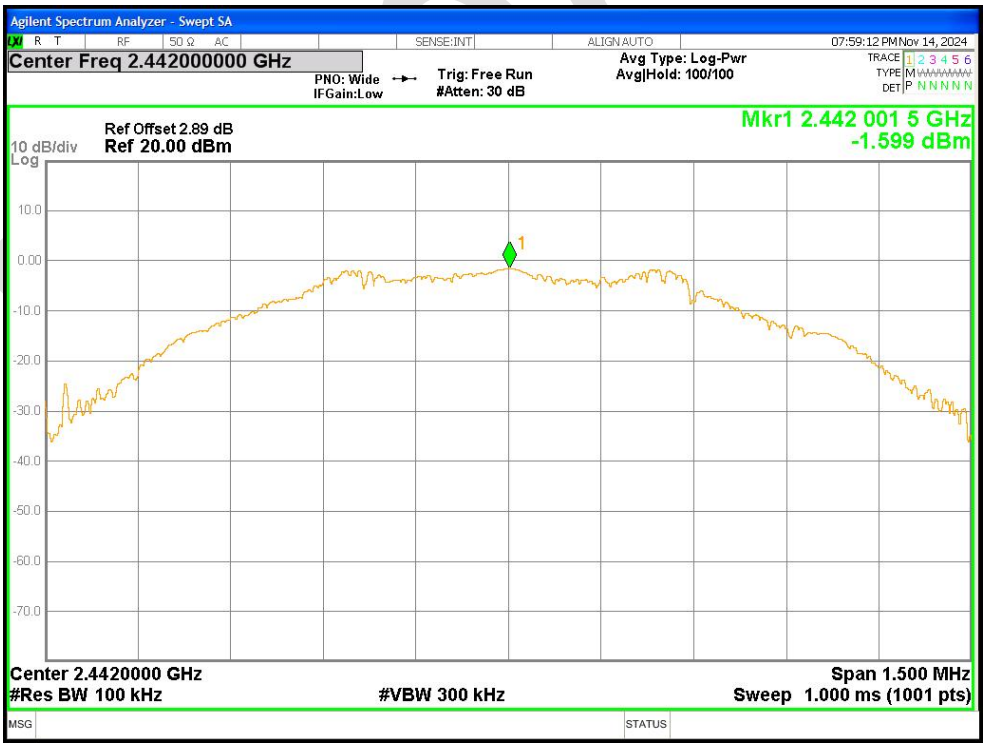
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



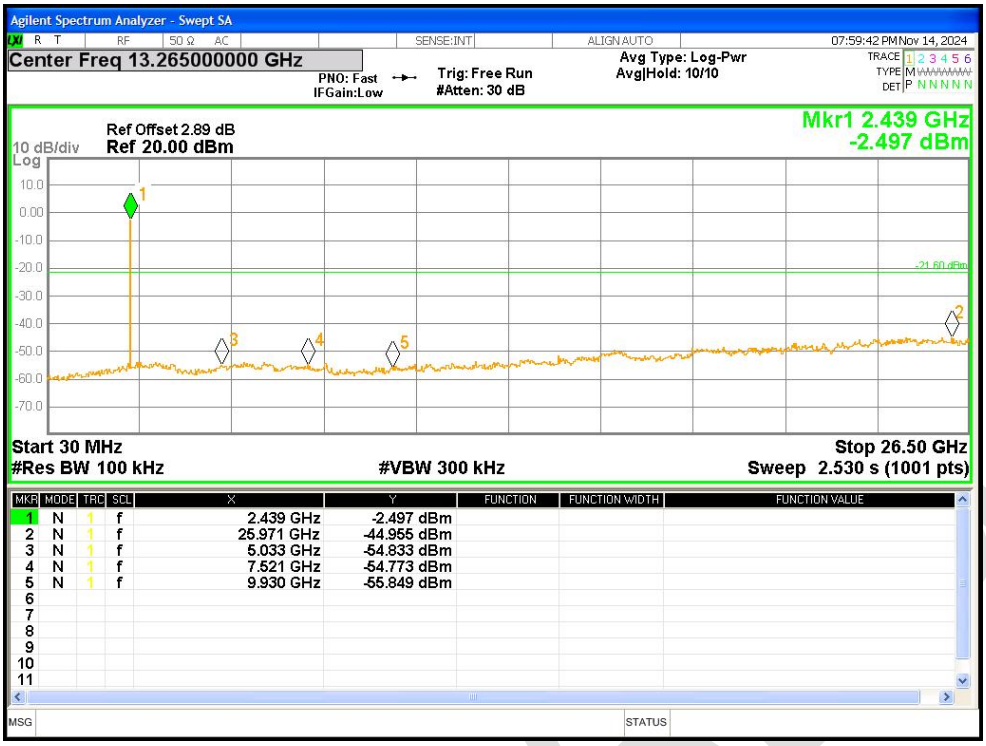
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



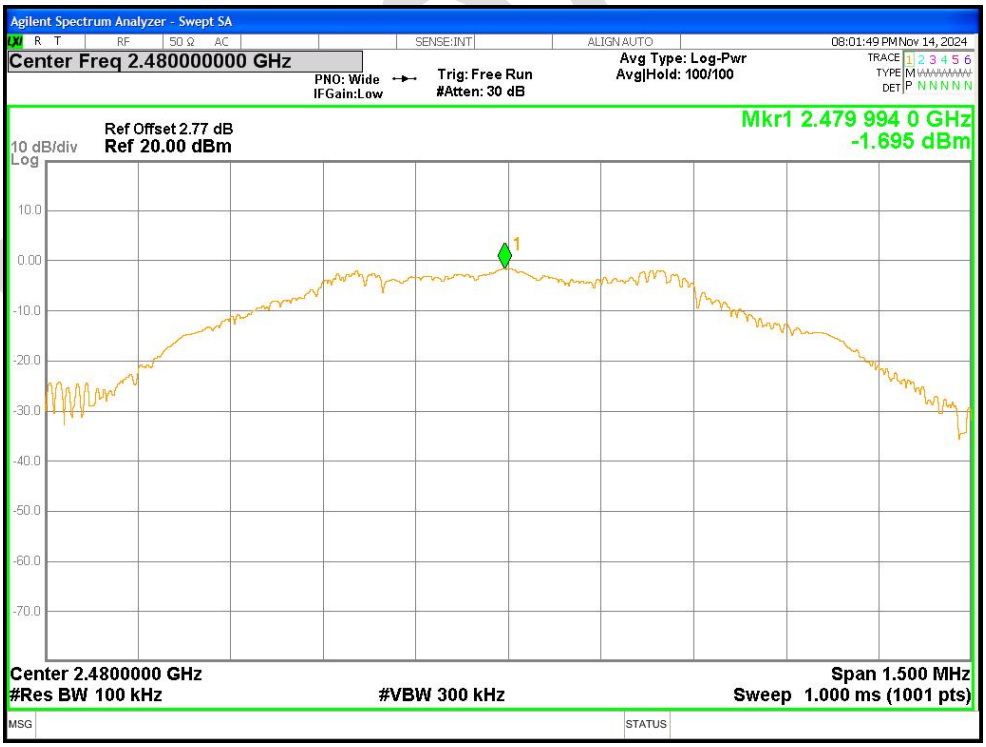
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 Ref



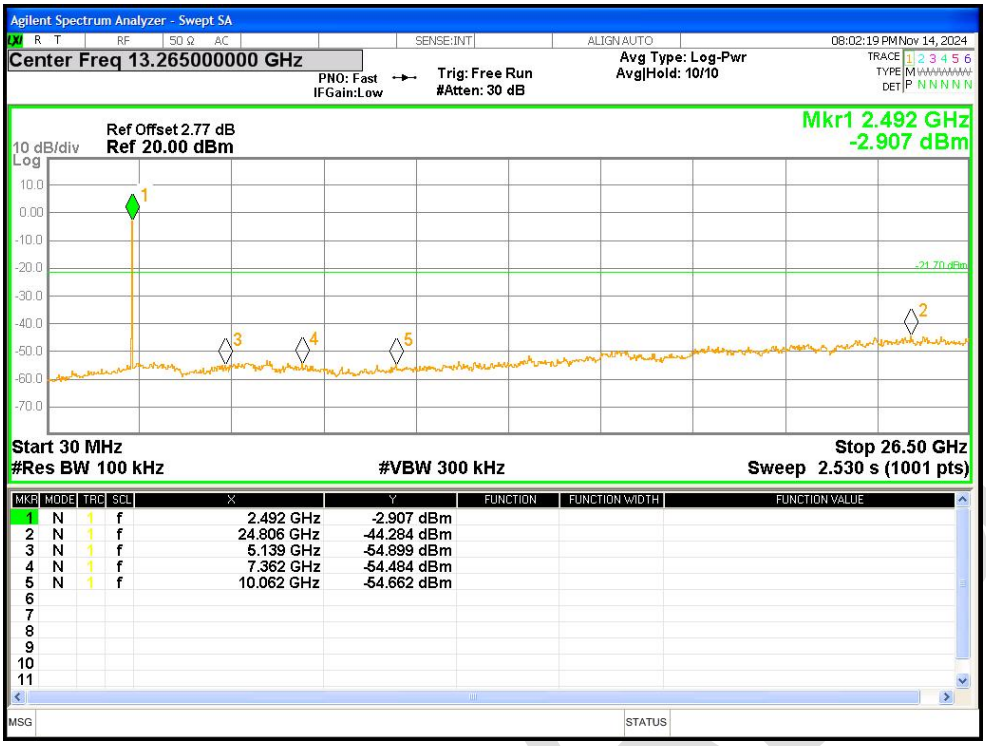
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 Emission



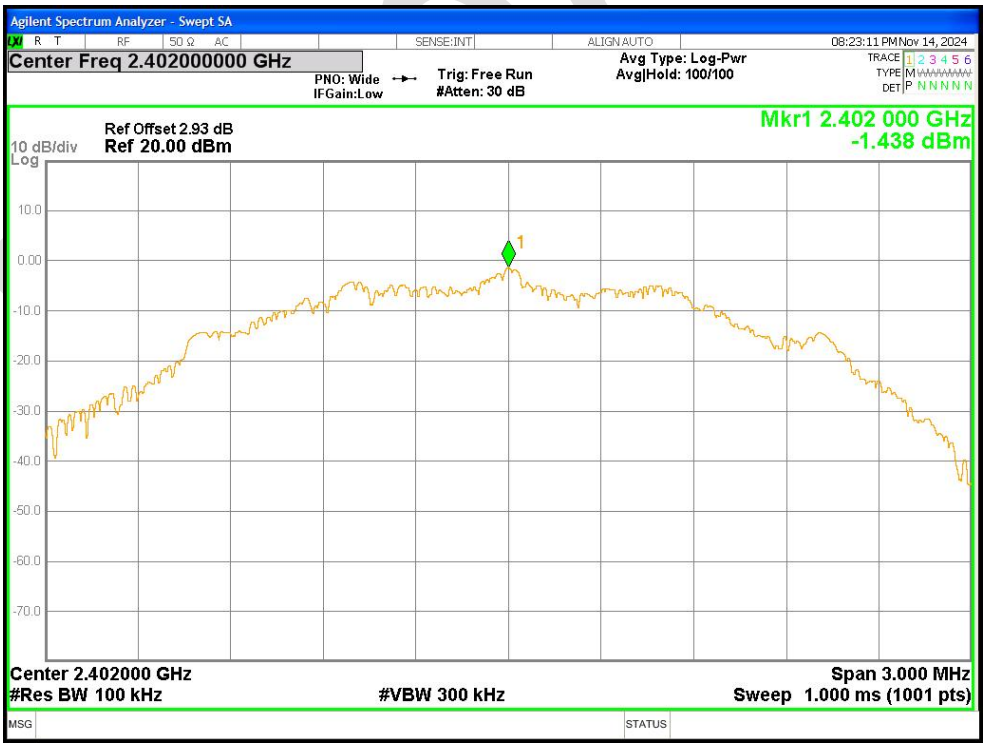
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



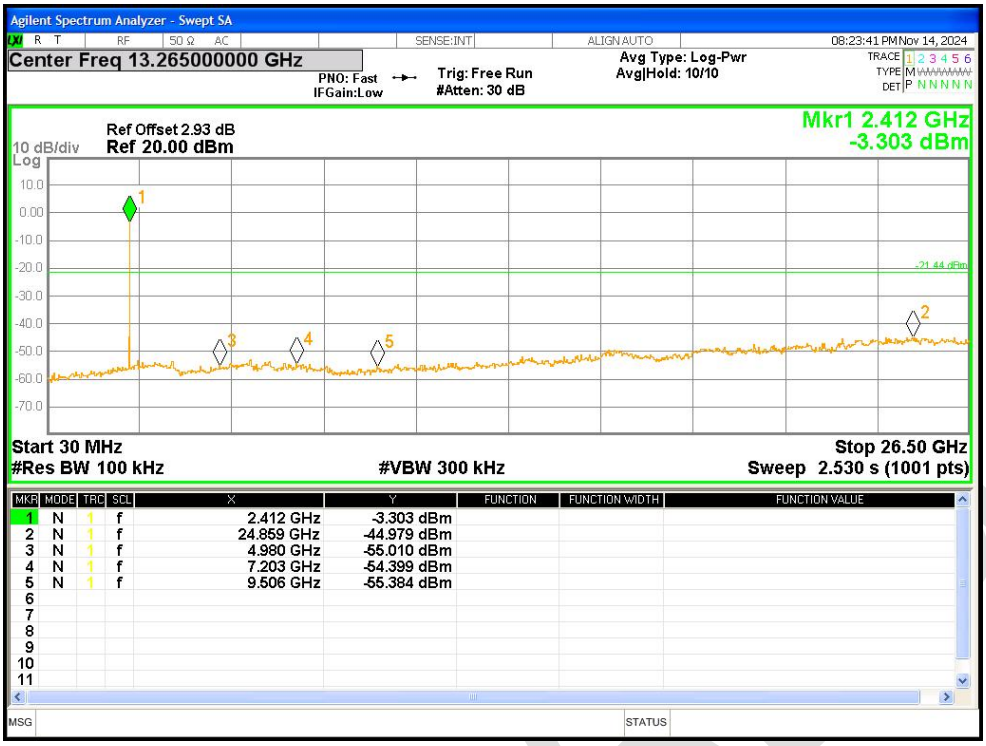
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



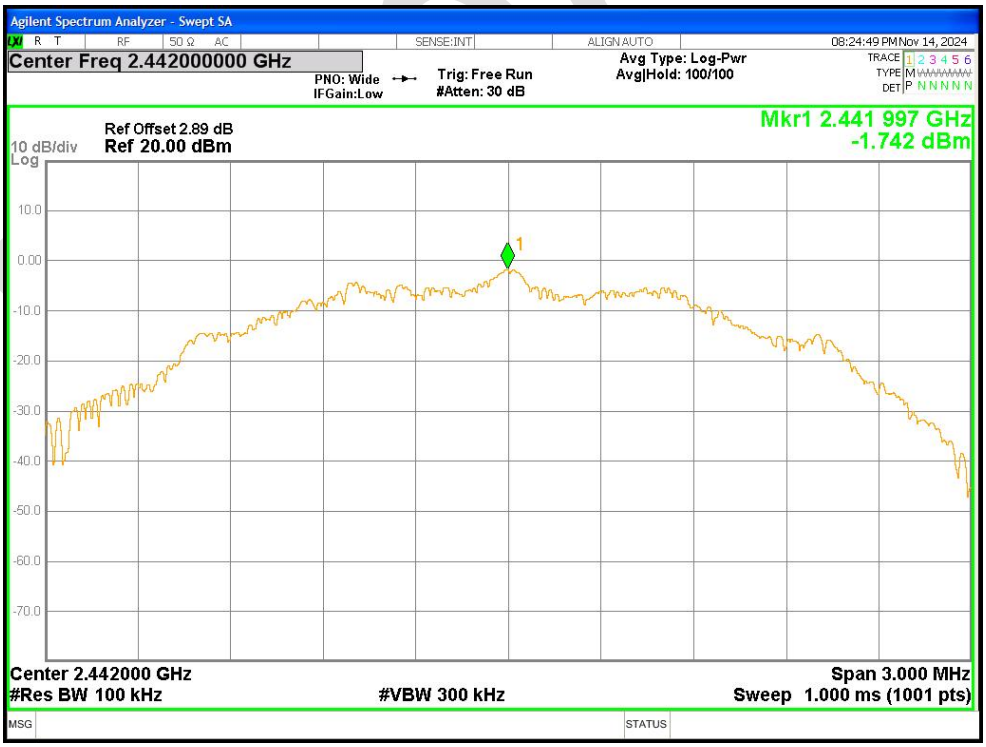
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref



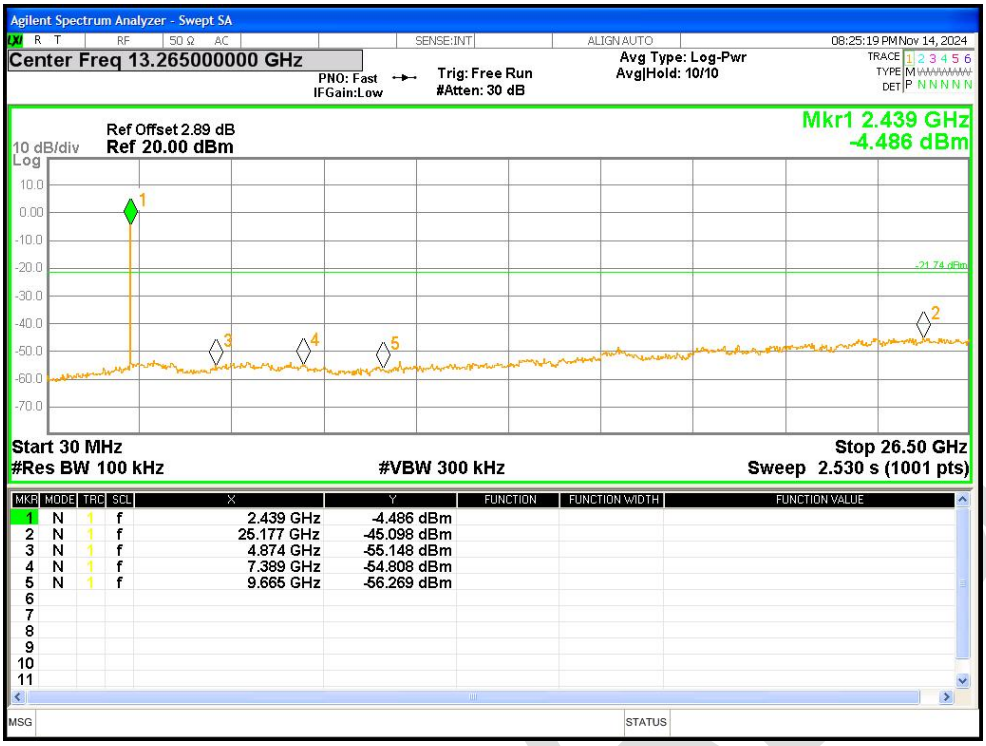
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission



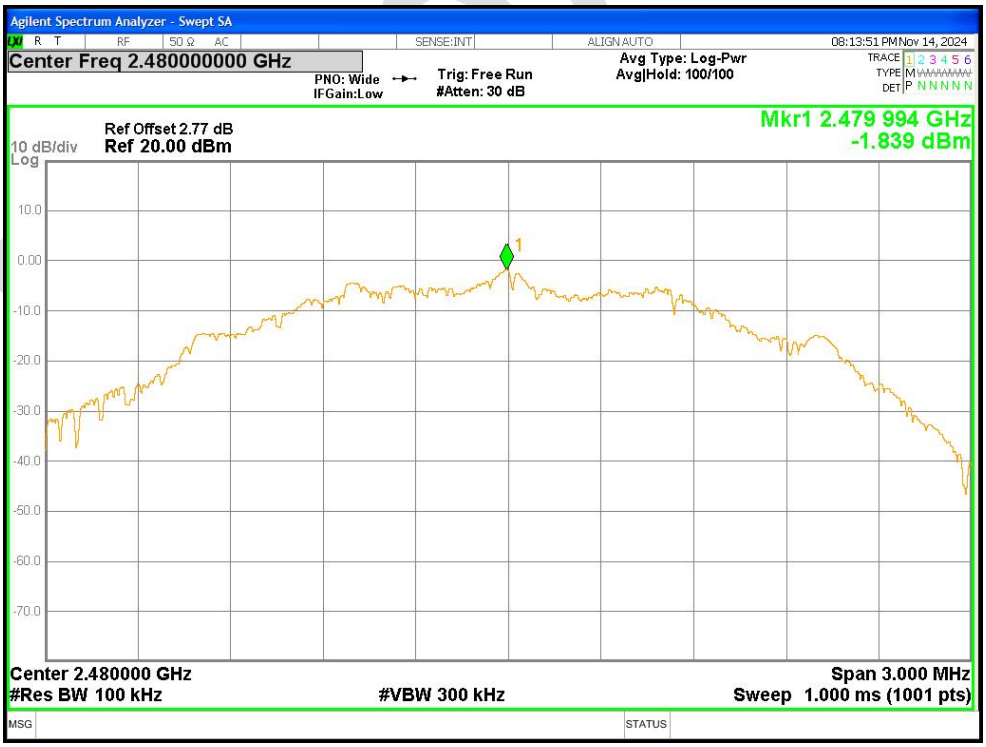
Tx. Spurious NVNT BLE 2M 2442MHz Ant1 Ref



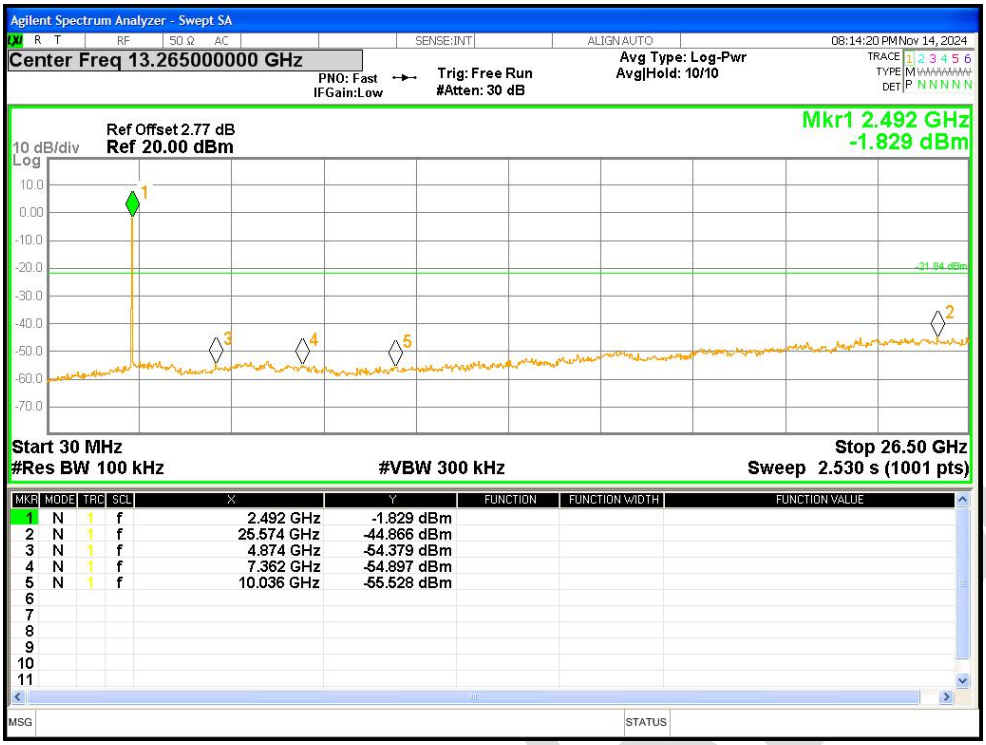
Tx. Spurious NVNT BLE 2M 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Ref



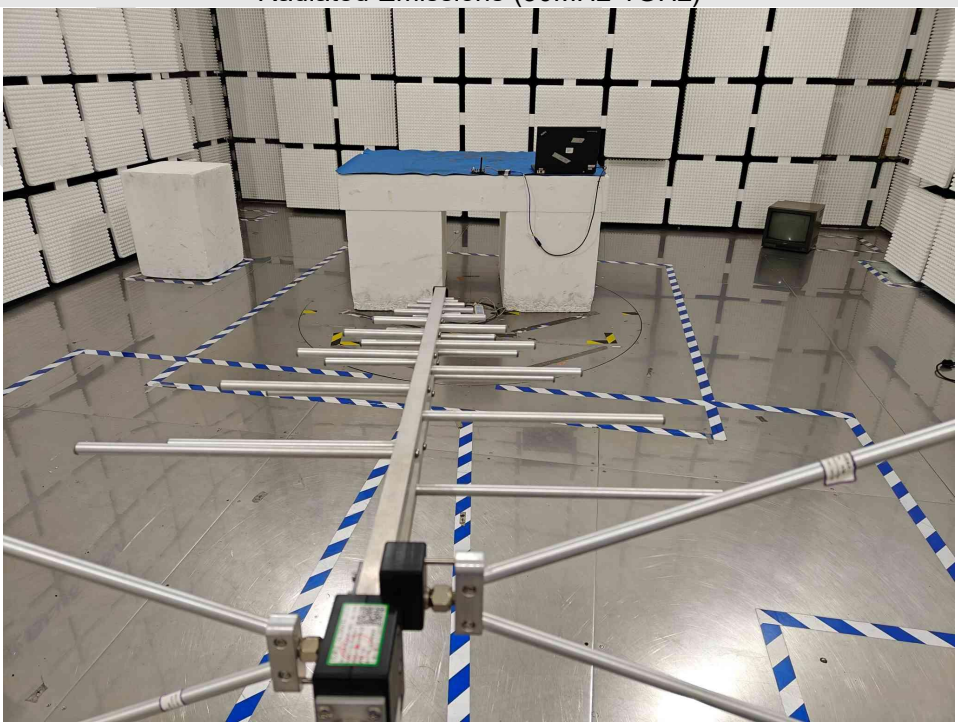
Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Emission


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
08:14:20 PM Nov 14, 2024
Ref Offset 2.77 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.492 GHz
-1.829 dBm
-21.84 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 2.492 GHz -1.829 dBm
2 N 1 f 25.574 GHz -44.866 dBm
3 N 1 f 4.874 GHz -54.379 dBm
4 N 1 f 7.362 GHz -54.897 dBm
5 N 1 f 10.036 GHz -55.528 dBm

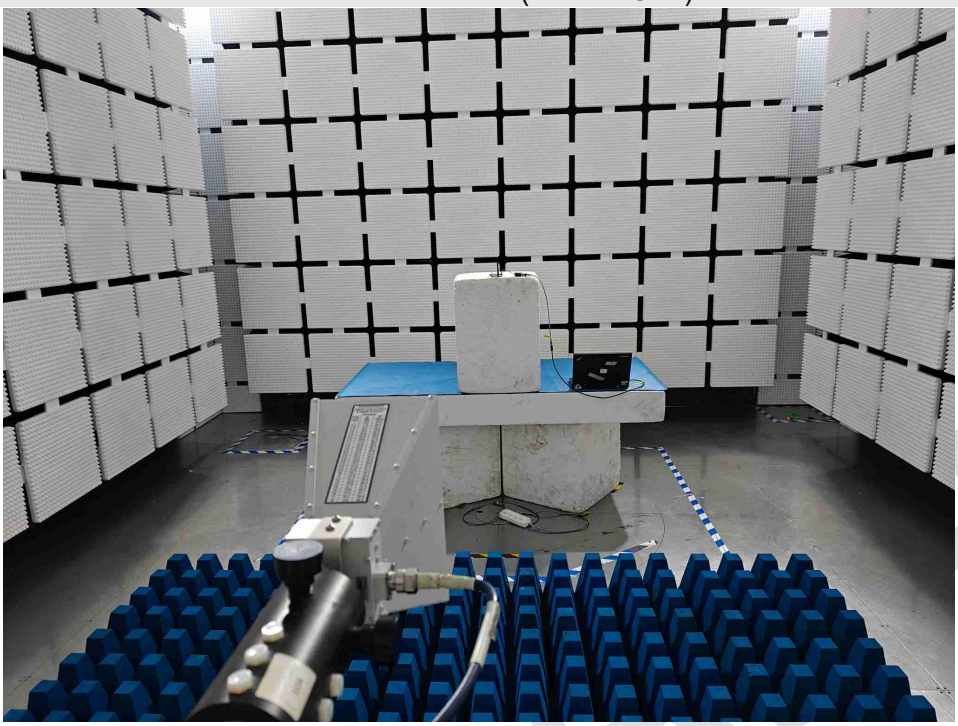
Appendix B: photographs of test setup

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

Radiated Emissions (30MHz-1GHz)



Radiated Emissions (above 1GHz)



Appendix C: photographs of EUT

Reference to the test report no. BLA-EMC-202411-A2101

----END OF REPORT----

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