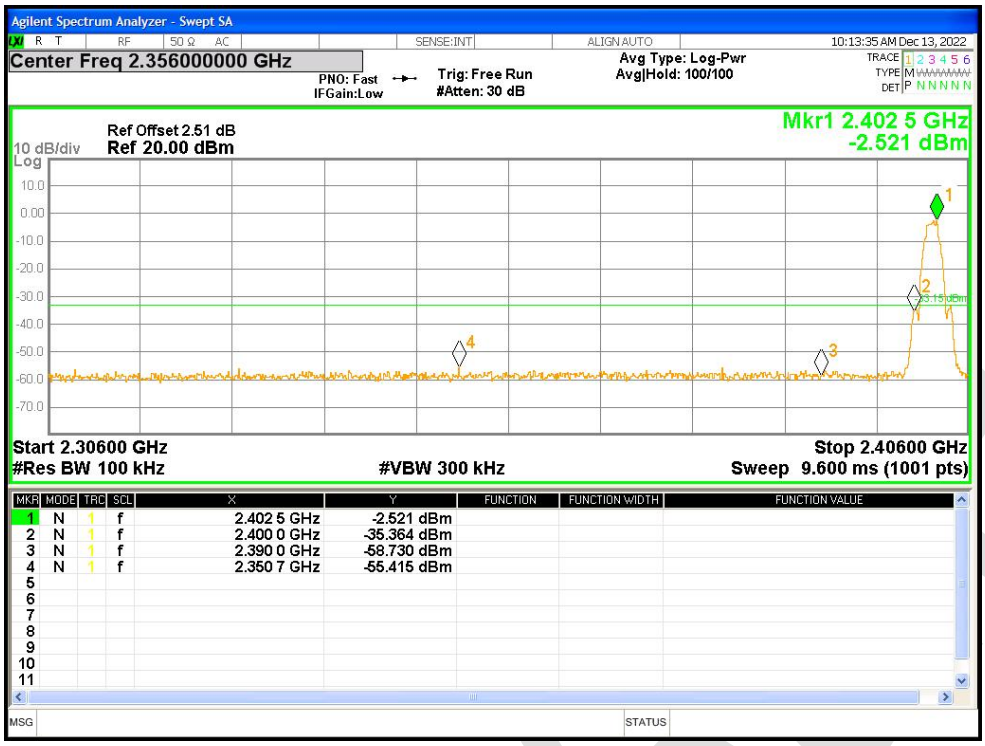
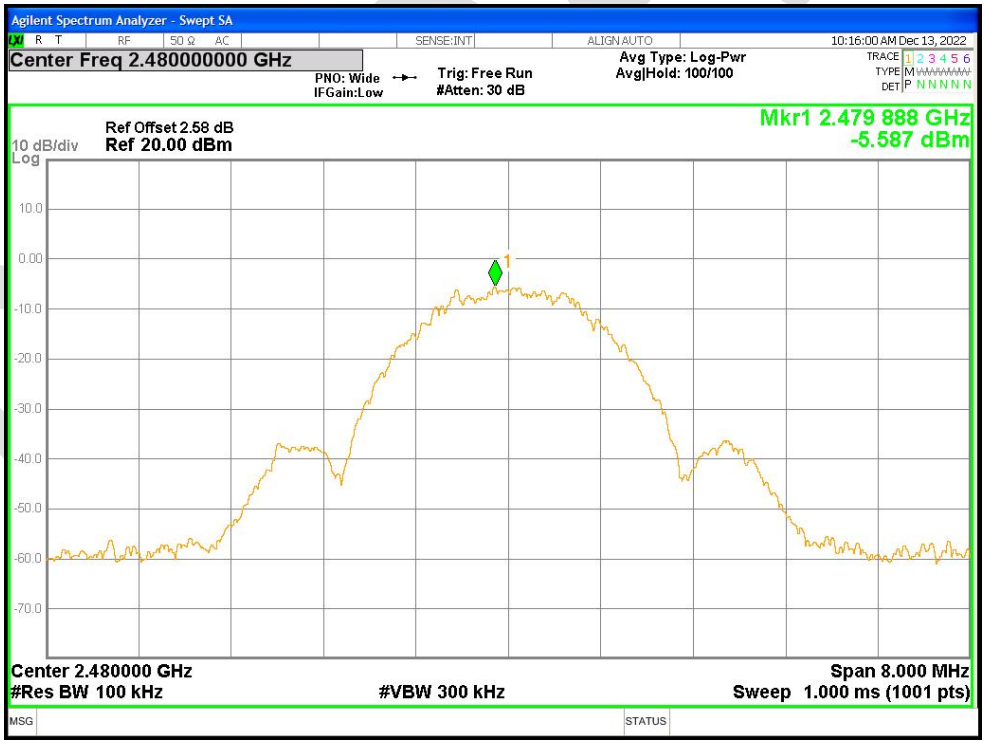
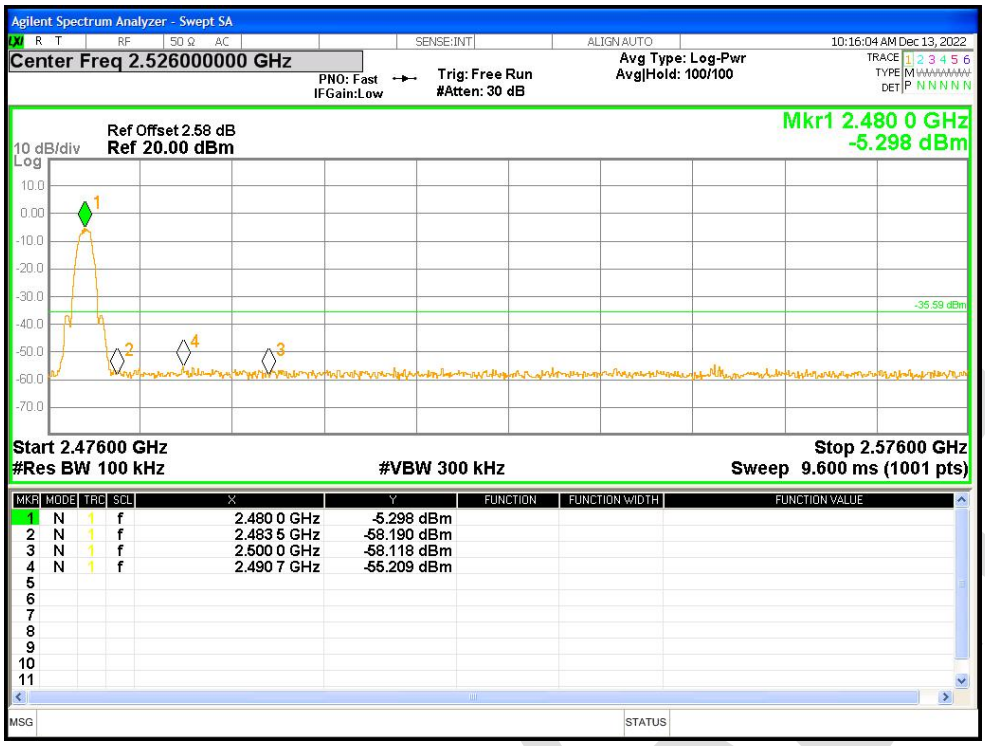



Band Edge NVNT BLE 2M 2480MHz Ant1 Ref



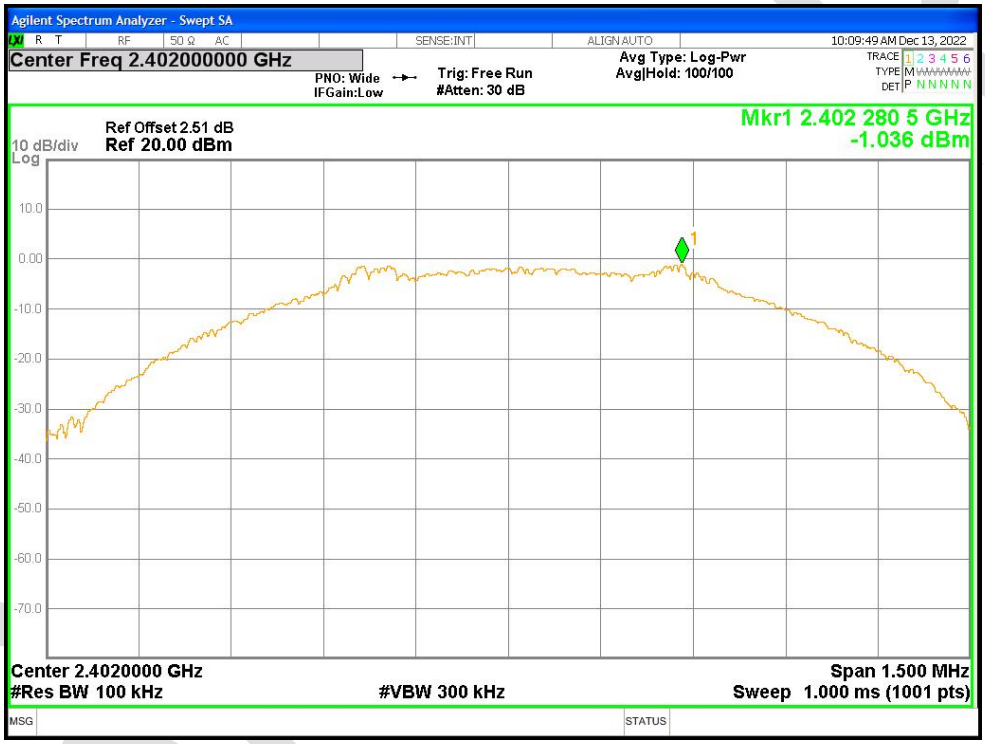

Band Edge NVNT BLE 2M 2480MHz Ant1 Emission


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
10:16:04 AM Dec 13, 2022
Ref Offset 2.58 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.480 0 GHz
-5.298 dBm
-35.59 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 -5.298 dBm
2 N 1 f 2.483 5 GHz -58.190 dBm
3 N 1 f 2.500 0 GHz -58.118 dBm
4 N 1 f 2.490 7 GHz -55.209 dBm
MSG
STATUS

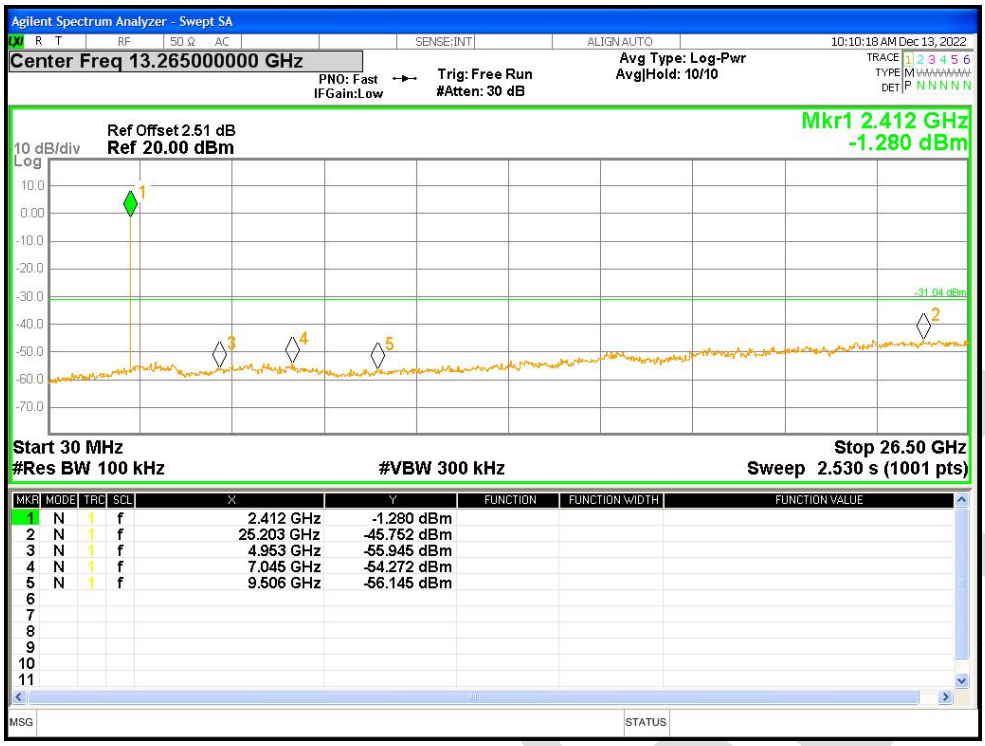
### 19.5 CONDUCTED RF SPURIOUS EMISSION

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | BLE 1M | 2402 | Ant1 | -44.71 | -30 | Pass |
| NVNT | BLE 1M | 2442 | Ant1 | -43.92 | -30 | Pass |
| NVNT | BLE 1M | 2480 | Ant1 | -42.19 | -30 | Pass |
| NVNT | BLE 2M | 2402 | Ant1 | -43.14 | -30 | Pass |
| NVNT | BLE 2M | 2442 | Ant1 | -41.41 | -30 | Pass |
| NVNT | BLE 2M | 2480 | Ant1 | -40.09 | -30 | Pass |

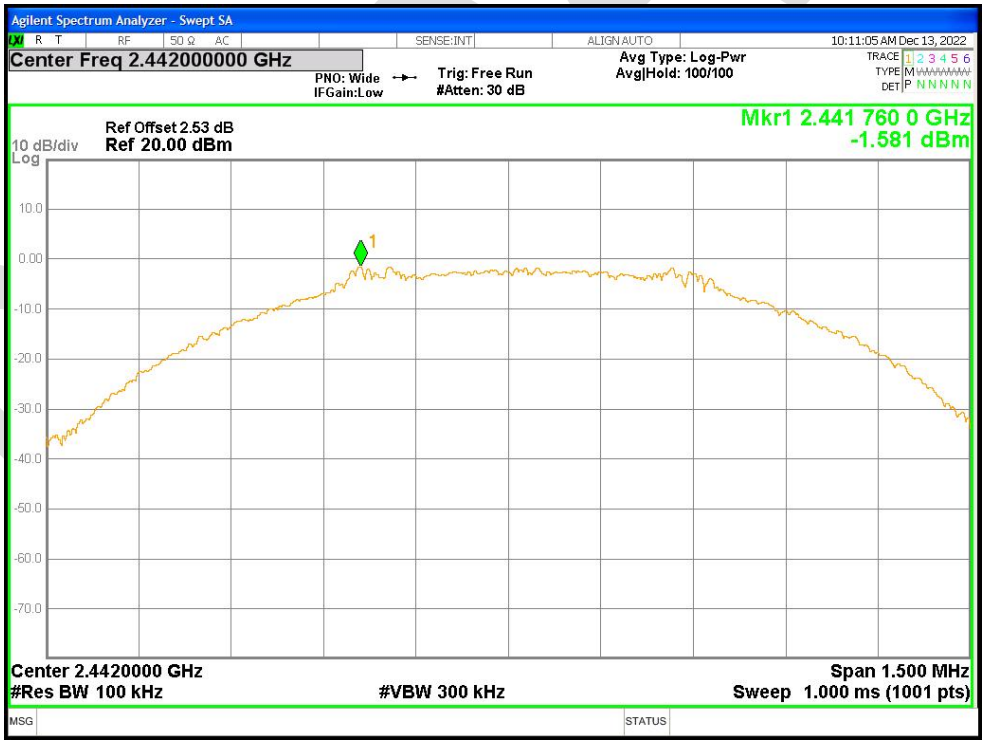
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



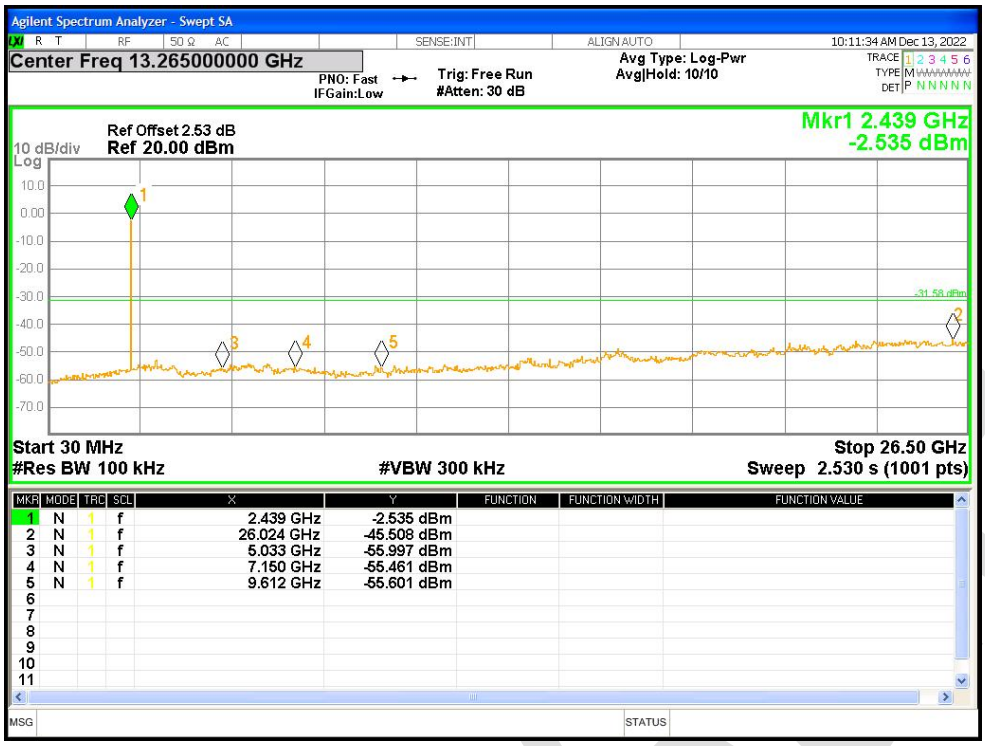

Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



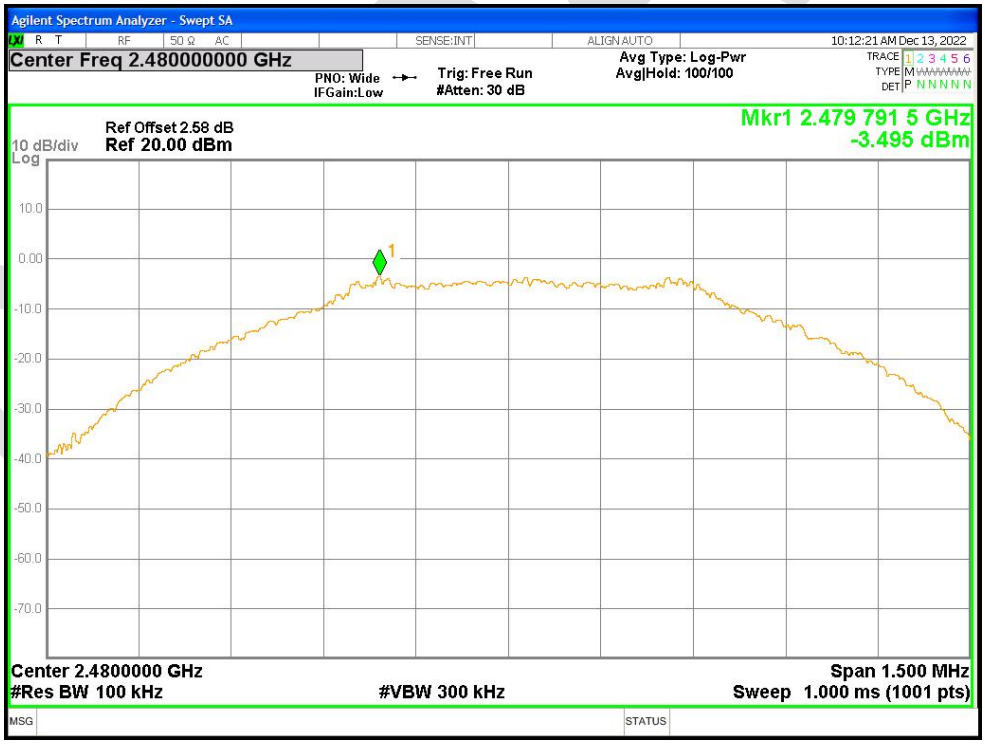

Tx. Spurious NVNT BLE 1M 2442MHz Ant1 Ref



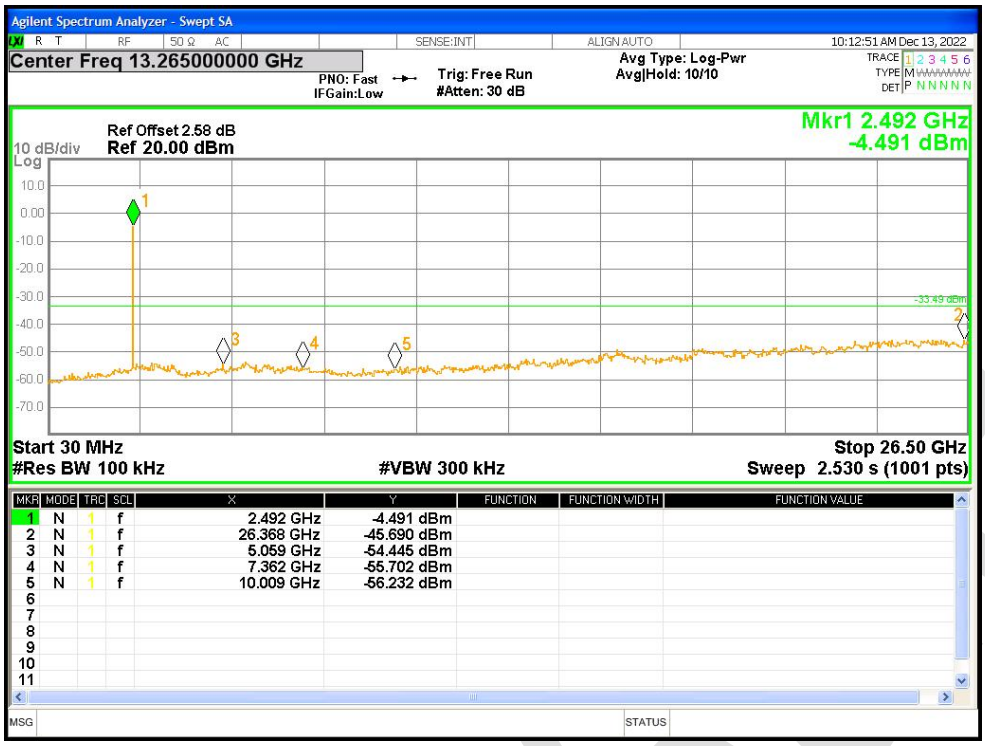

Tx. Spurious NVNT BLE 1M 2442MHz Ant1 Emission



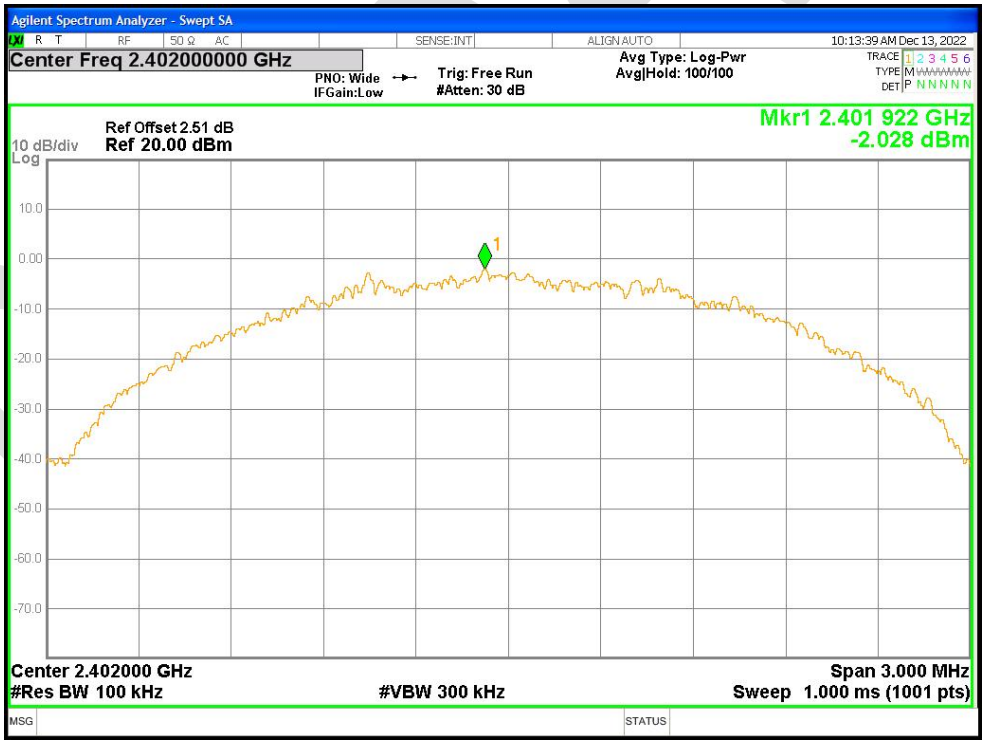

Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



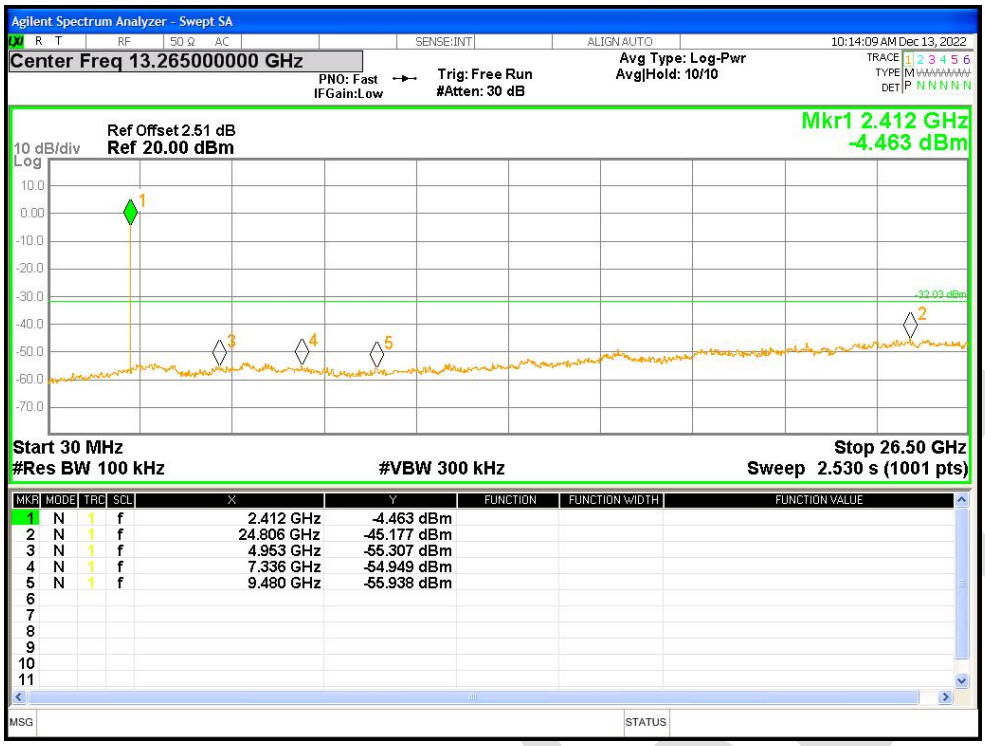

Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



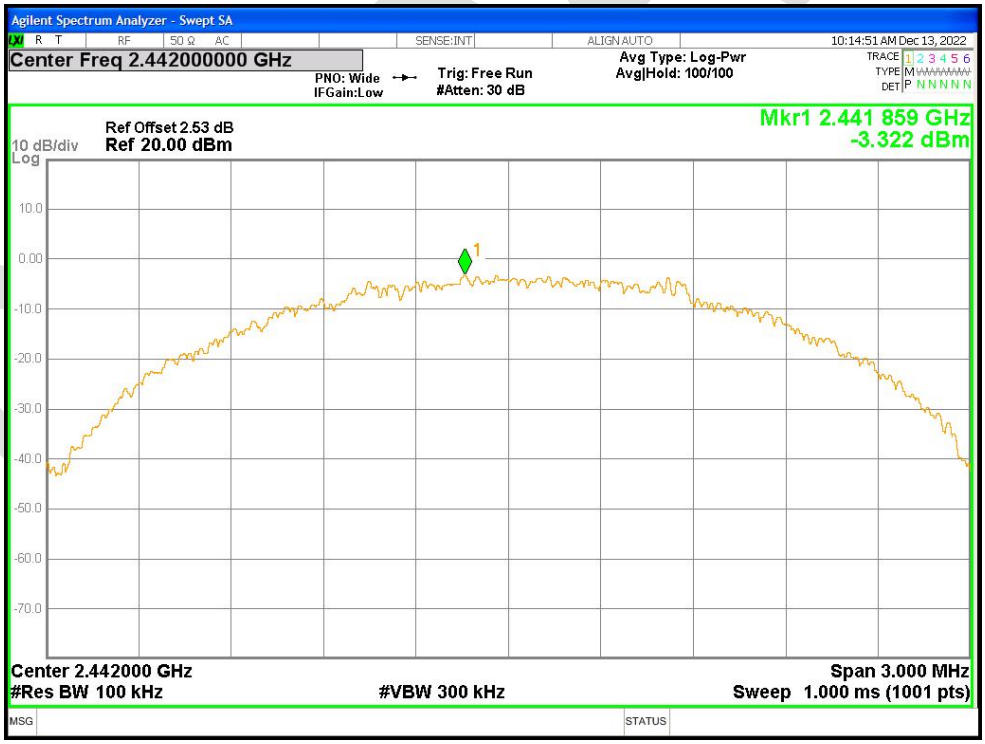

Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref



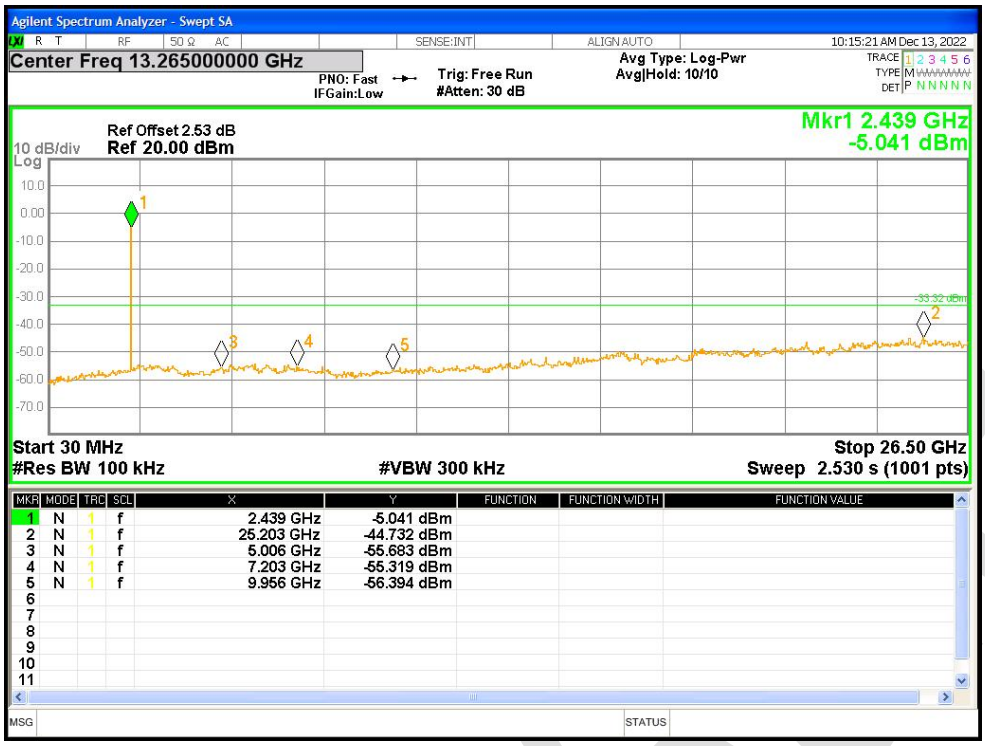

Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission



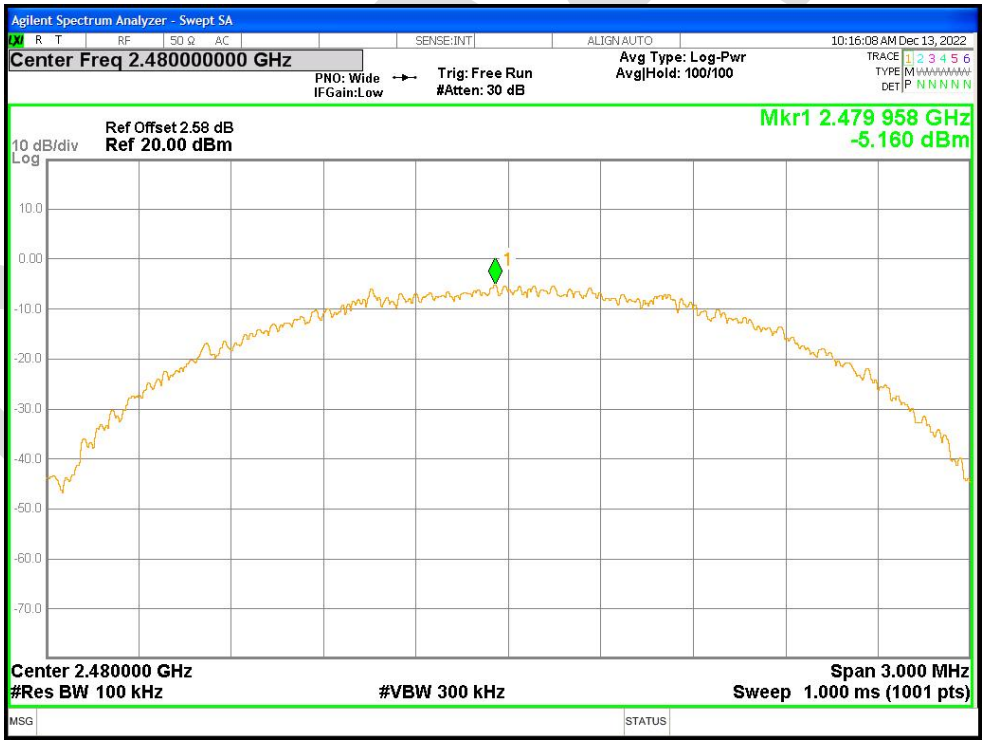

Tx. Spurious NVNT BLE 2M 2442MHz Ant1 Ref



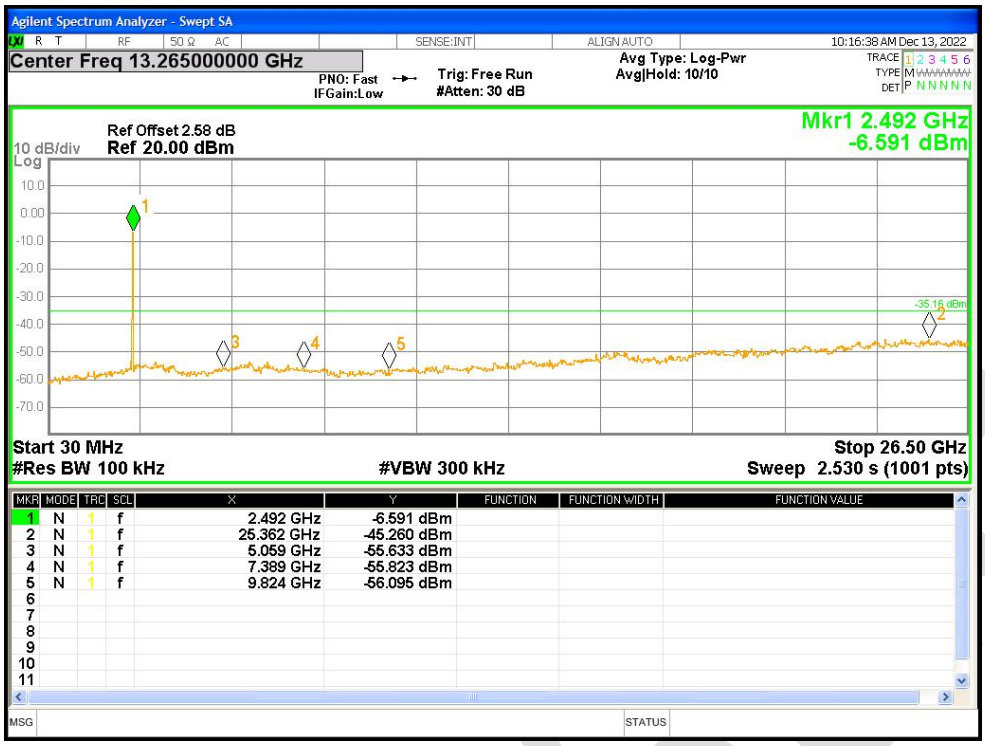

Tx. Spurious NVNT BLE 2M 2442MHz Ant1 Emission




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
10:16:38 AM Dec 13, 2022
Ref Offset 2.58 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.492 GHz
-6.591 dBm
-35.16 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 -6.591 dBm
2 N 1 f 25.362 GHz -45.260 dBm
3 N 1 f 5.059 GHz -55.633 dBm
4 N 1 f 7.389 GHz -55.823 dBm
5 N 1 f 9.824 GHz -56.095 dBm
MSG
STATUS

# APPENDIX A: PHOTOGRAPHS OF TEST SETUP

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

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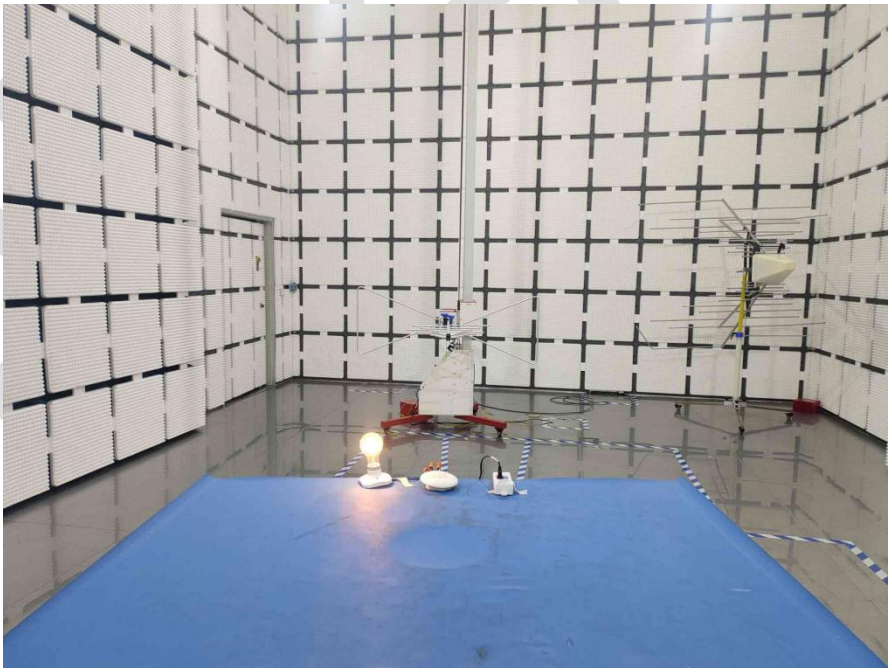
**Radiated Spurious Emissions**



## APPENDIX B: PHOTOGRAPHS OF EUT

Reference to the test report No. BLA-EMC-202211-A8501

**----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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