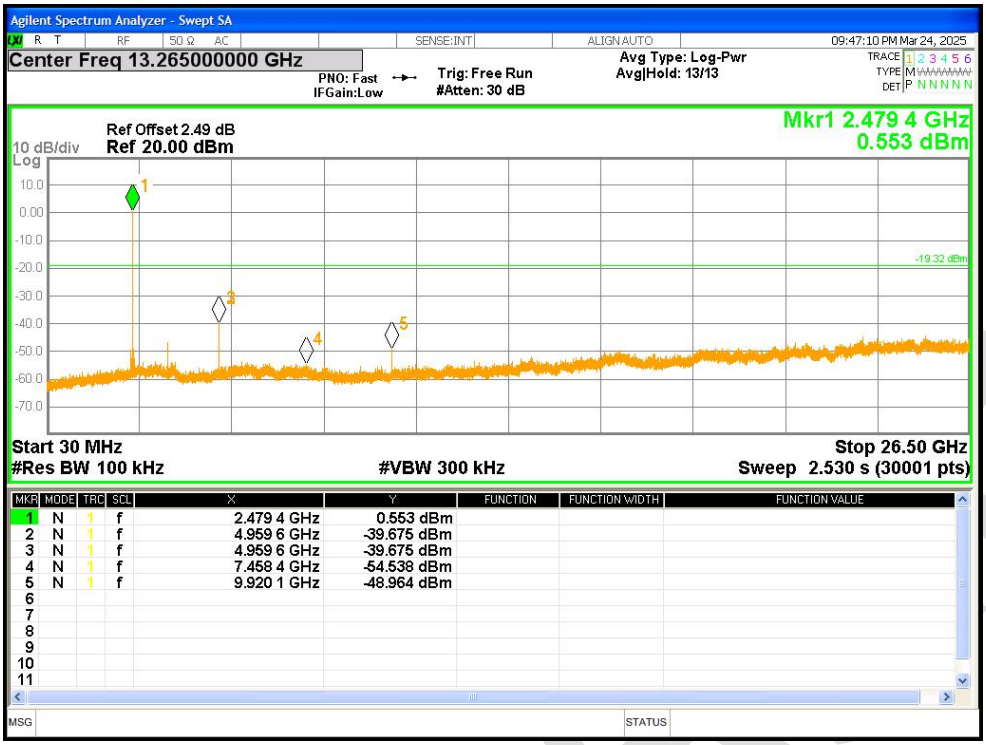
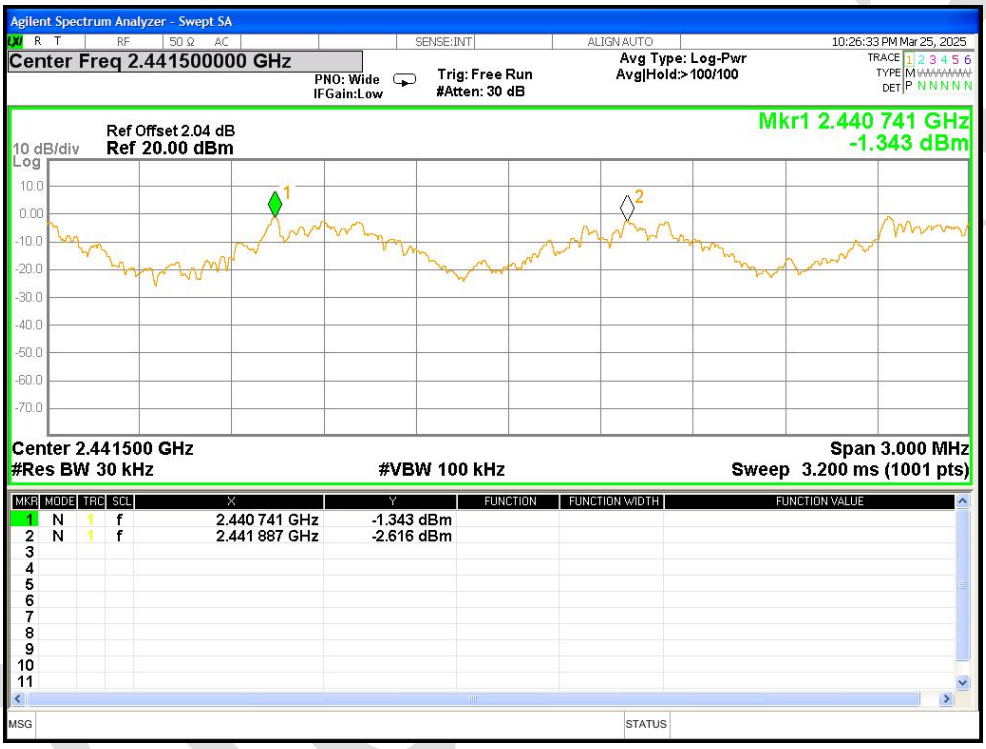

Agilent Spectrum Analyzer - Swept SA
Center Freq 13.265000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 13/13
09:47:10 PM Mar 24, 2025
Ref Offset 2.49 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.479 4 GHz
0.553 dBm
-19.32 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (30001 pts)
1 N 1 f 2.479 4 GHz 0.553 dBm
2 N 1 f 4.959 6 GHz -39.675 dBm
3 N 1 f 4.959 6 GHz -39.675 dBm
4 N 1 f 7.458 4 GHz -54.538 dBm
5 N 1 f 9.920 1 GHz -48.964 dBm

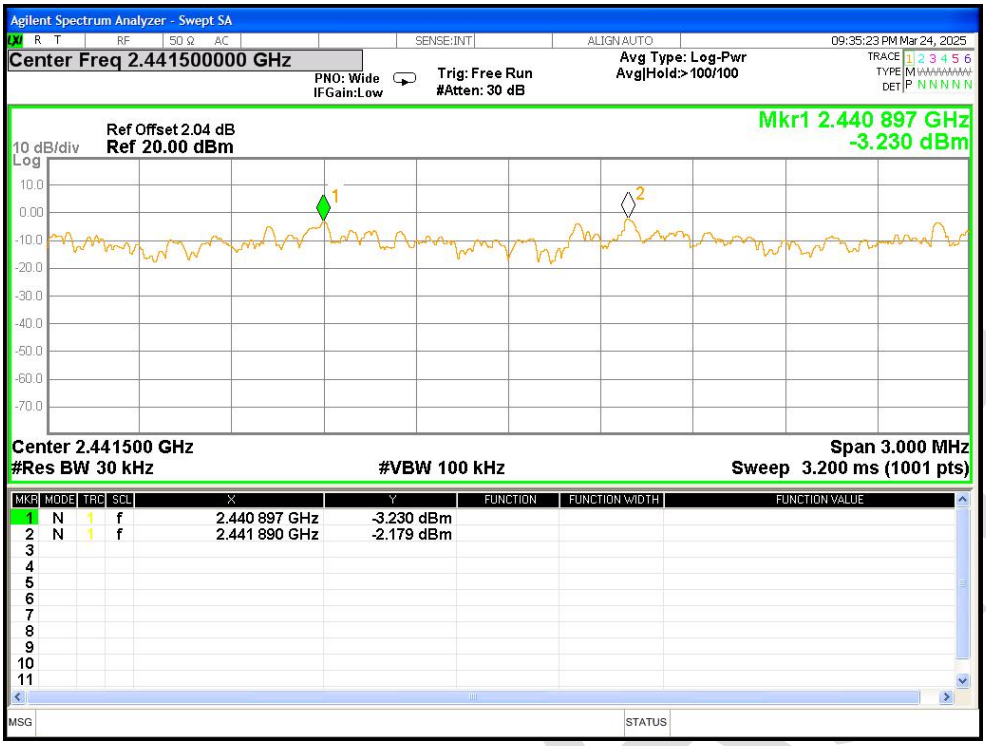
## 7.7 Carrier Frequencies Separation

| Condition | Mode | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| NVNT | 1-DH1 | Ant1 | 2440.741 | 2441.887 | 1.146 | 1.034 | Pass |
| NVNT | 2-DH1 | Ant1 | 2440.897 | 2441.89 | 0.993 | 0.856 | Pass |
| NVNT | 3-DH1 | Ant1 | 2440.735 | 2441.74 | 1.005 | 0.835 | Pass |

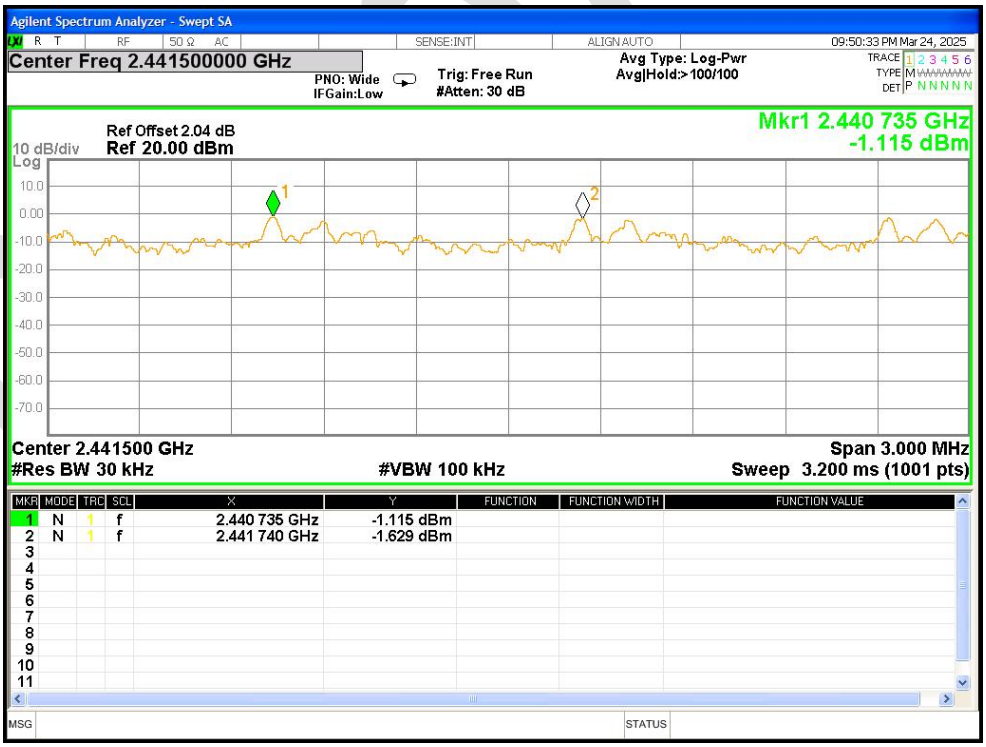
CFS NVNT 1-DH1 2441MHz Ant1




CFS NVNT 2-DH1 2441MHz Ant1




CFS NVNT 3-DH1 2441MHz Ant1

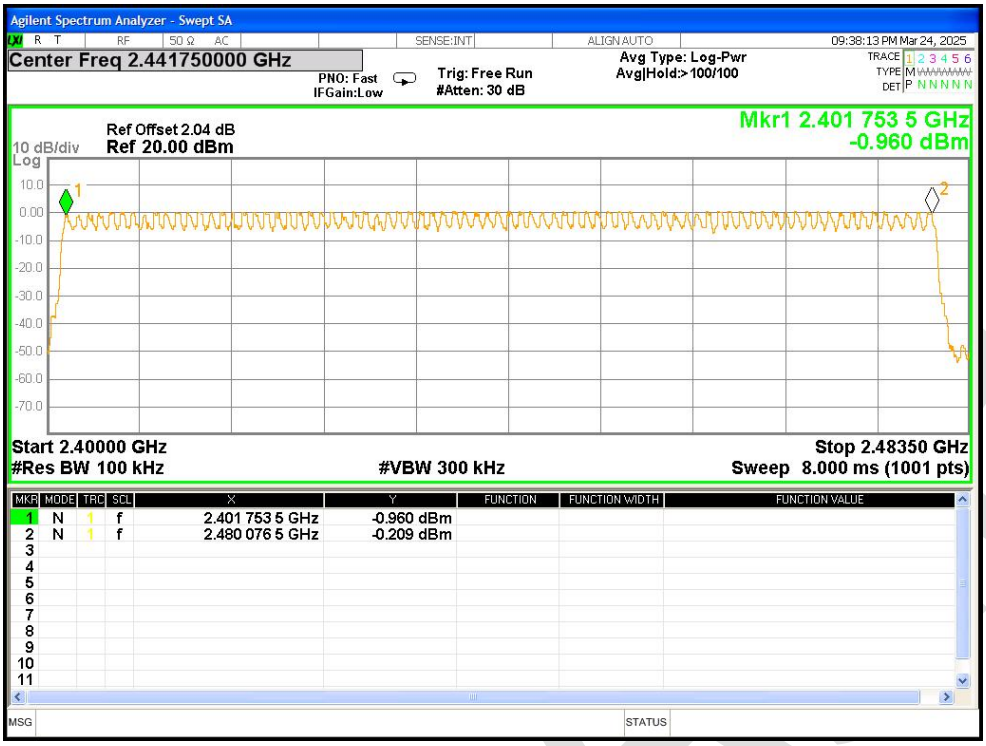


## 7.8 Number of Hopping Channel

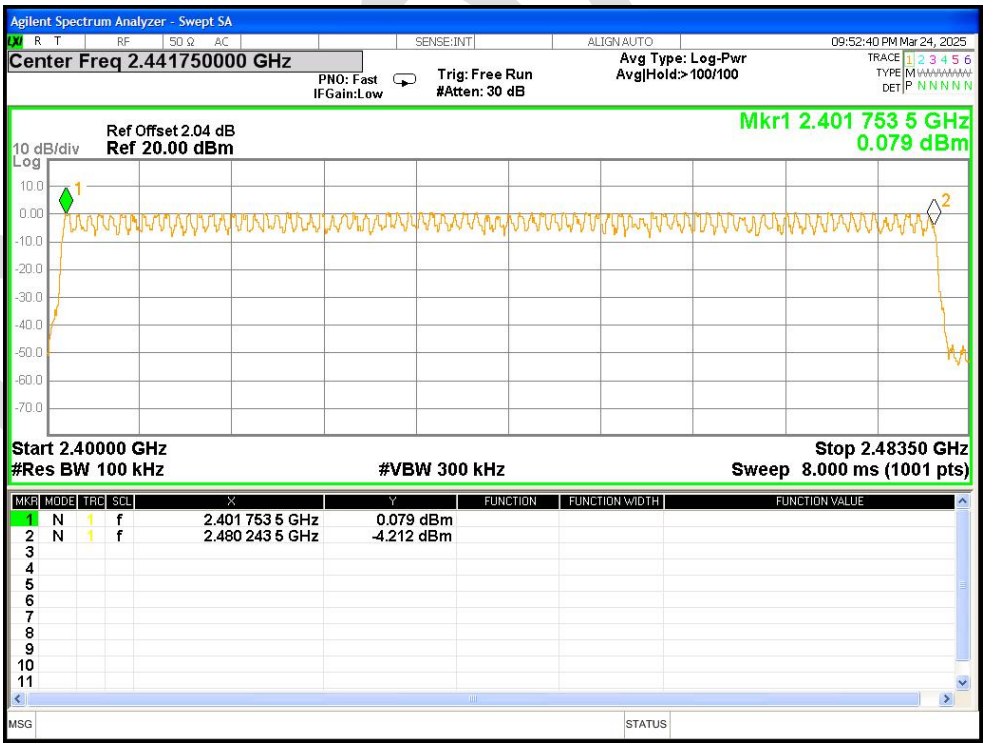
| Condition | Mode | Antenna | Hopping Number | Limit | Verdict |
|---|---|---|---|---|---|
| NVNT | 1-DH1 | Ant1 | 79 | 15 | Pass |
| NVNT | 2-DH1 | Ant1 | 79 | 15 | Pass |
| NVNT | 3-DH1 | Ant1 | 79 | 15 | Pass |

Hopping No. NVNT 1-DH1 2441MHz Ant1

Hopping No. NVNT 2-DH1 2441MHz Ant1




Hopping No. NVNT 3-DH1 2441MHz Ant1

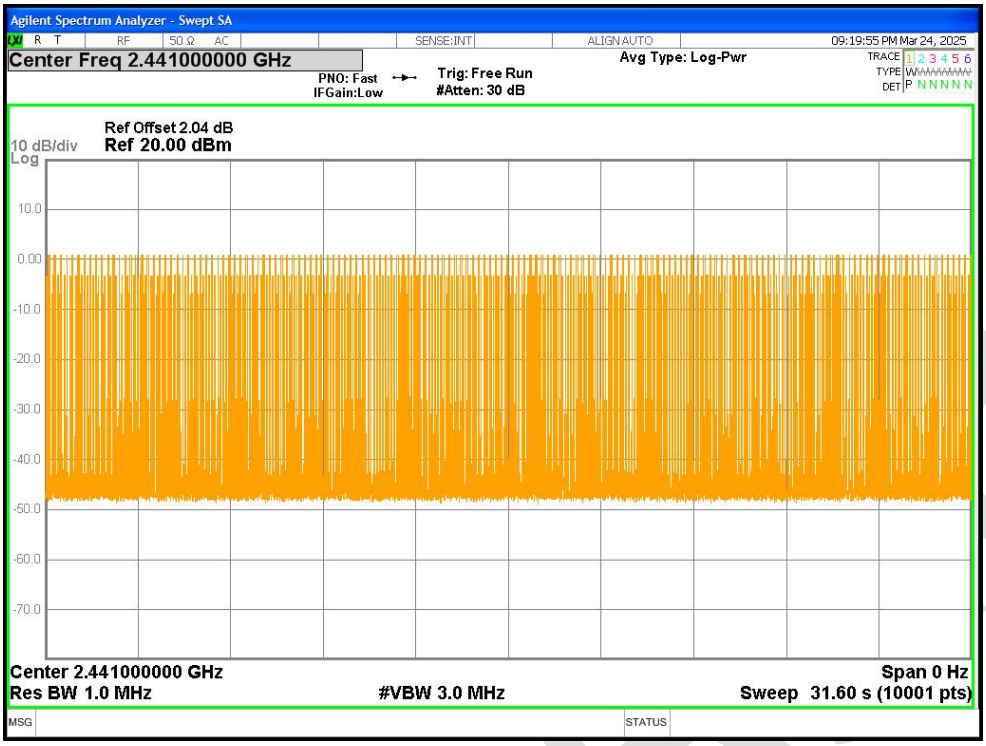


## 7.9 Dwell Time

| 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 | 0.376 | 188.376 | 501 | 31600 | 400 | Pass |
| NVNT | 1-DH3 | 2441 | Ant1 | 1.62 | 255.96 | 158 | 31600 | 400 | Pass |
| NVNT | 1-DH5 | 2441 | Ant1 | 2.868 | 306.876 | 107 | 31600 | 400 | Pass |
| NVNT | 2-DH1 | 2441 | Ant1 | 0.386 | 193.386 | 501 | 31600 | 400 | Pass |
| NVNT | 2-DH5 | 2441 | Ant1 | 2.878 | 307.946 | 107 | 31600 | 400 | Pass |
| NVNT | 3-DH1 | 2441 | Ant1 | 0.386 | 193.386 | 501 | 31600 | 400 | Pass |
| NVNT | 3-DH5 | 2441 | Ant1 | 2.881 | 305.386 | 106 | 31600 | 400 | Pass |

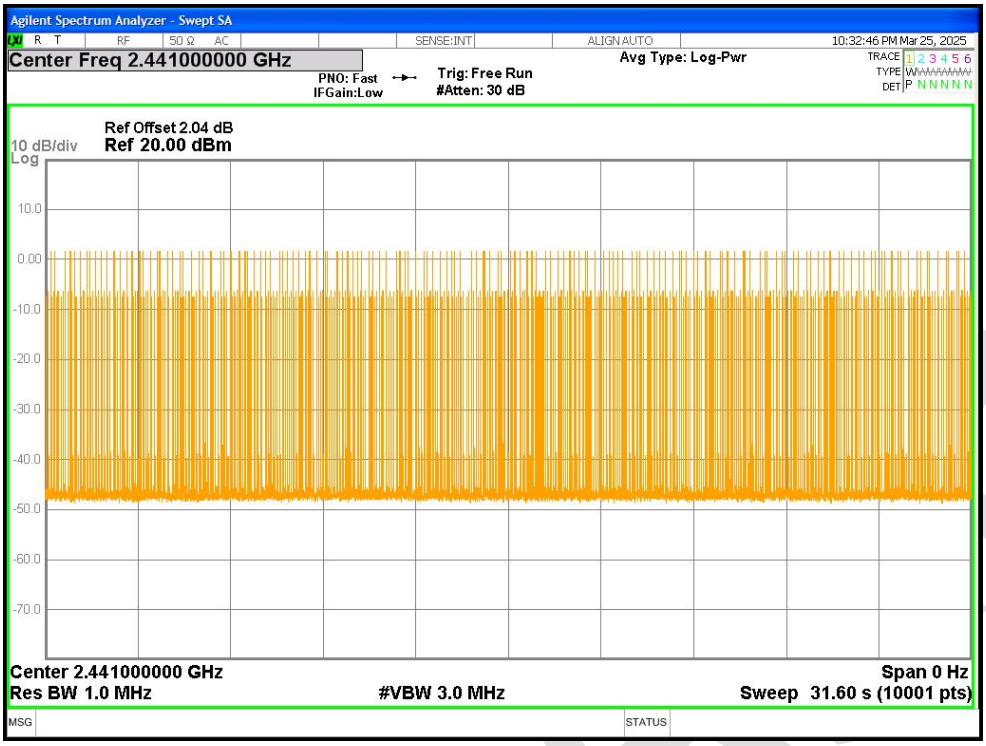
Dwell NVNT 1-DH1 2441MHz Ant1 One Burst

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

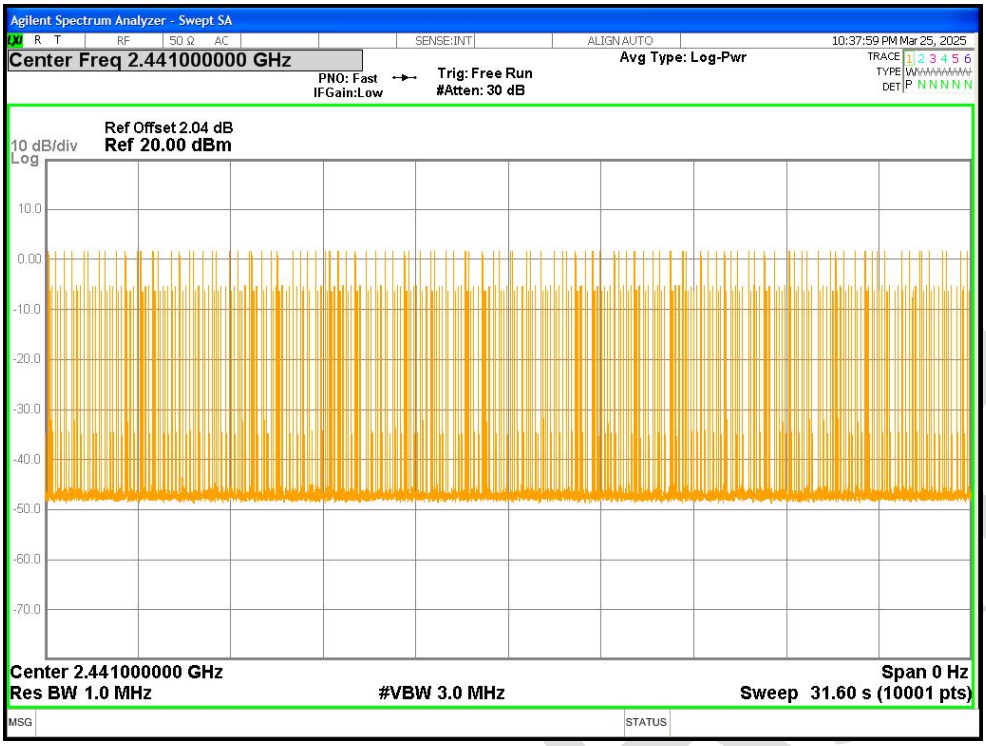
Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated

Dwell NVNT 2-DH1 2441MHz Ant1 One Burst

Dwell NVNT 2-DH1 2441MHz Ant1 Accumulated

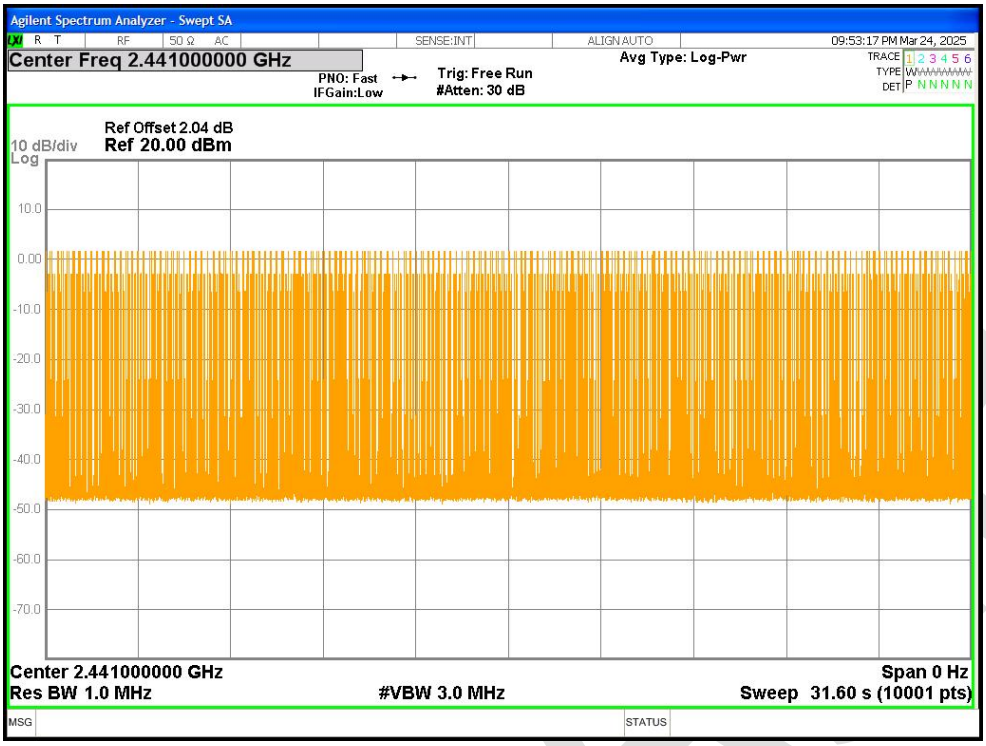
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



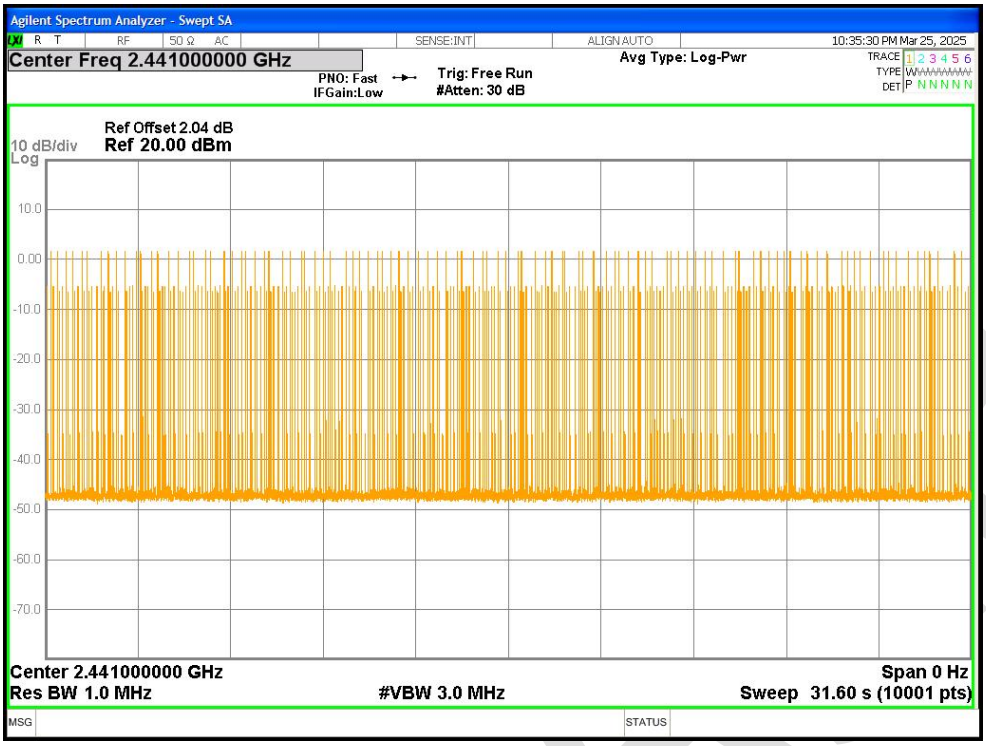

Dwell NVNT 3-DH1 2441MHz Ant1 One Burst

Dwell NVNT 3-DH1 2441MHz Ant1 Accumulated



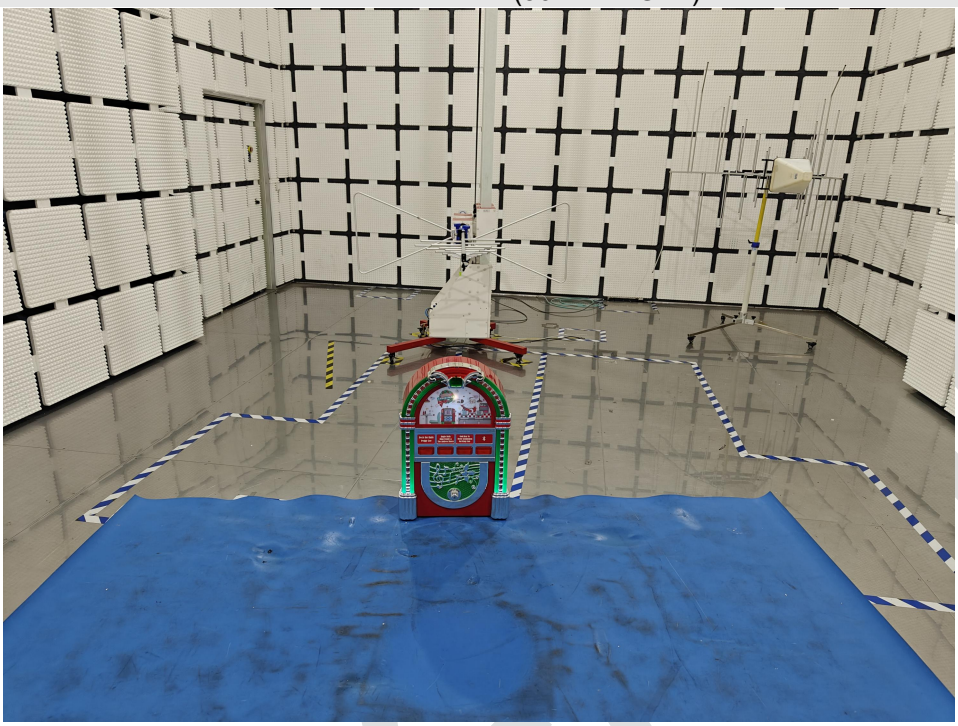

Dwell NVNT 3-DH5 2441MHz Ant1 One Burst

Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated

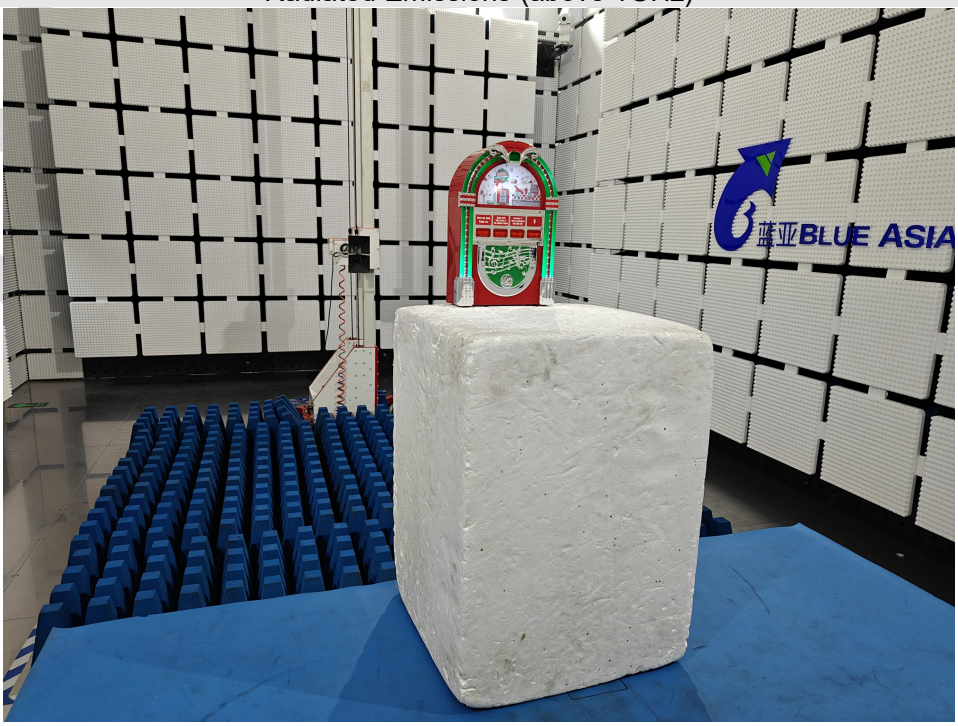

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
10:35:30 PM Mar 25, 2025
Ref Offset 2.04 dB
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.441000000 GHz
Span 0 Hz
Res BW 1.0 MHz
#VBW 3.0 MHz
Sweep 31.60 s (10001 pts)

# Appendix B: photographs of test setup

Radiated Emissions (30MHz-1GHz)



Radiated Emissions (above 1GHz)



# Appendix C: photographs of EUT

Reference to the test report no. BLA-EMC-202503-A6301R01

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

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