# APPENDIX A: 20DB BANDWIDTH

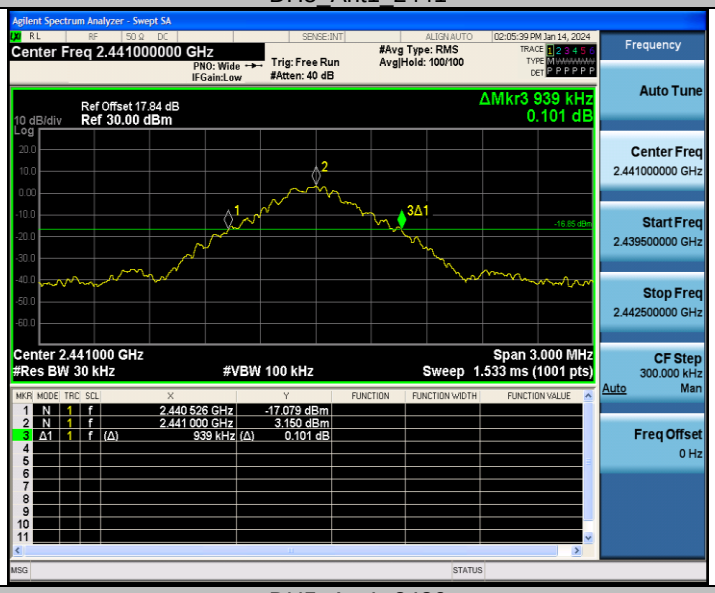
Test Result

| Test Mode | Antenna | Frequency [MHz] | 20db EBW [MHz] |
|---|---|---|---|
| DH5 | Ant1 | 2402 | 0.951 |
| | | 2441 | 0.939 |
| | | 2480 | 0.942 |
| 2DH5 | Ant1 | 2402 | 1.332 |
| | | 2441 | 1.326 |
| | | 2480 | 1.329 |
| 3DH5 | Ant1 | 2402 | 1.314 |
| | | 2441 | 1.296 |
| | | 2480 | 1.323 |

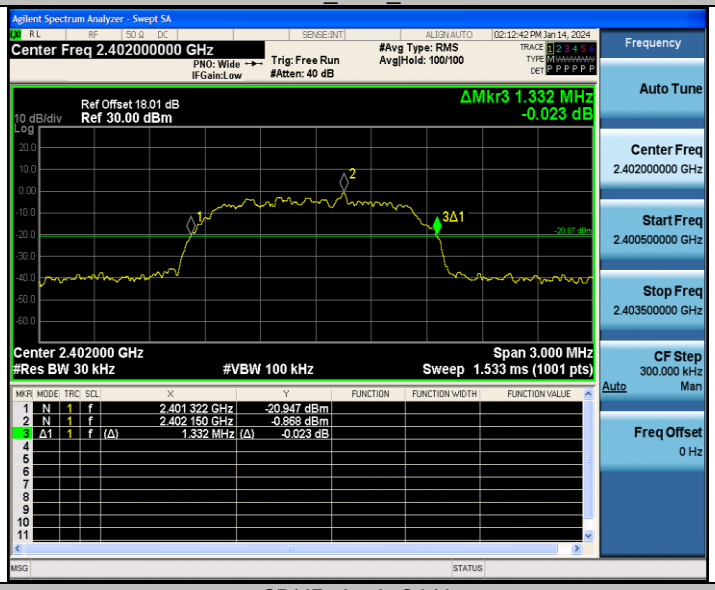
Test Graphs

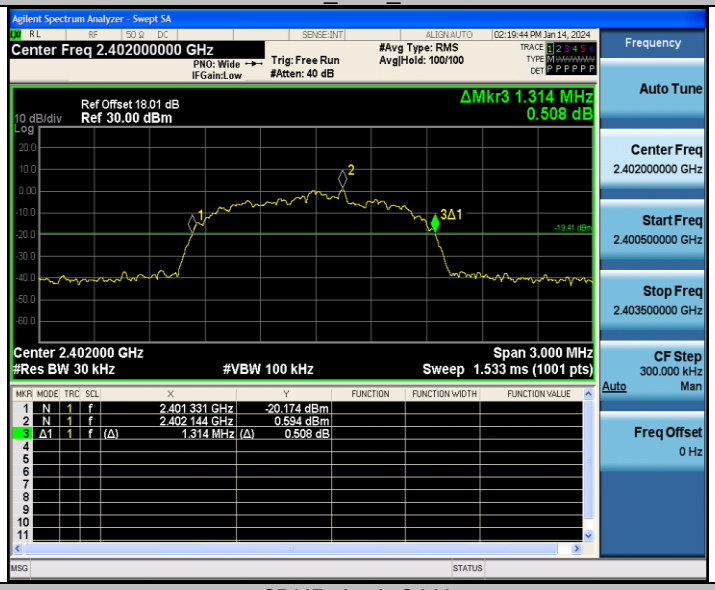
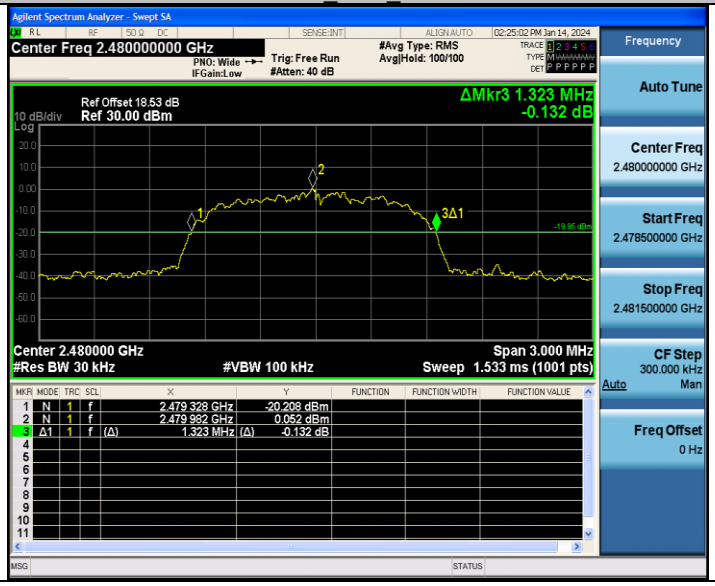
DH5_Ant1_2402


DH5_Ant1_2441




DH5_Ant1_2480

| 2DH5_Ant1_2402 |
| --- |
|  |
| 2DH5_Ant1_2441 |
|  |
| 2DH5_Ant1_2480 |
|  |

| 3DH5_Ant1_2402 |
| --- |
|  |
| 3DH5_Ant1_2441 |
|  |
| 3DH5_Ant1_2480 |
|  |

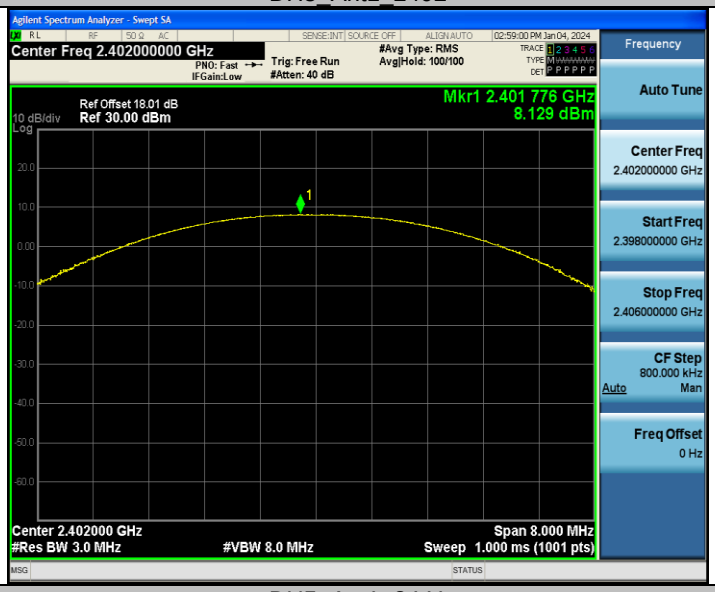
# APPENDIX B: MAXIMUM CONDUCTED OUTPUT POWER

Test Result Peak

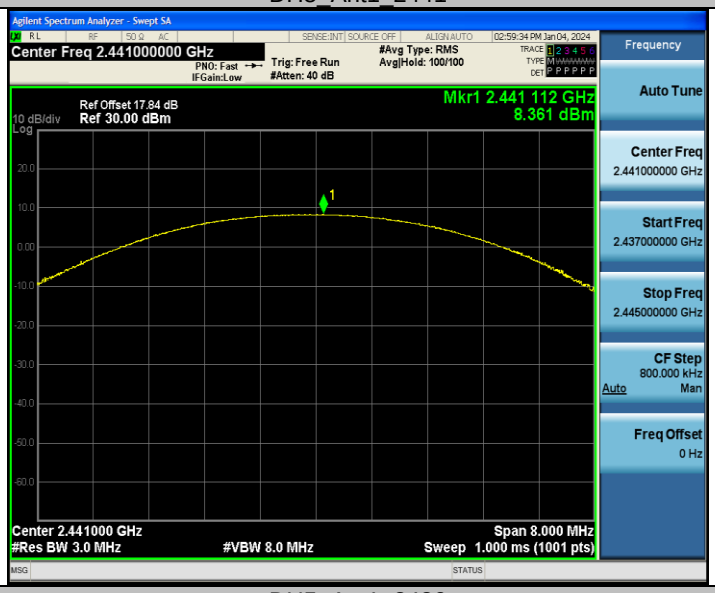
| Test Mode | Antenna | Frequency [MHz] | Conducted Peak Power [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|
| DH5 | Ant1 | 2402 | 8.13 | ≤30 | PASS |
| | | 2441 | 8.36 | ≤30 | PASS |
| | | 2480 | 9.26 | ≤30 | PASS |
| 2DH5 | Ant1 | 2402 | 7.58 | ≤20.97 | PASS |
| | | 2441 | 7.76 | ≤20.97 | PASS |
| | | 2480 | 8.67 | ≤20.97 | PASS |
| 3DH5 | Ant1 | 2402 | 7.94 | ≤20.97 | PASS |
| | | 2441 | 8.15 | ≤20.97 | PASS |
| | | 2480 | 9.29 | ≤20.97 | PASS |

Test Graphs

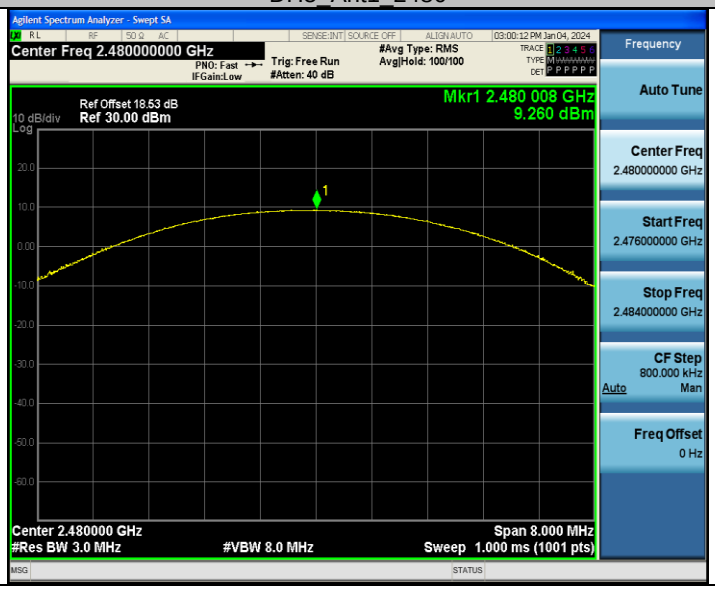
DH5_Ant1_2402

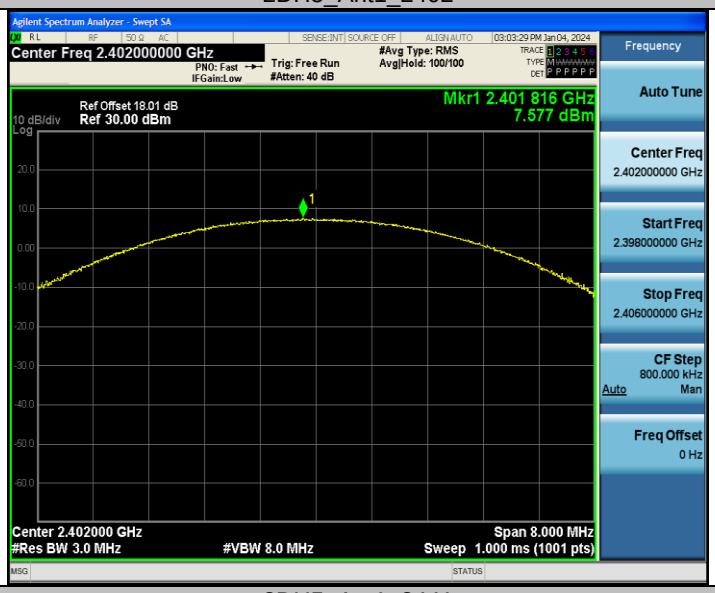
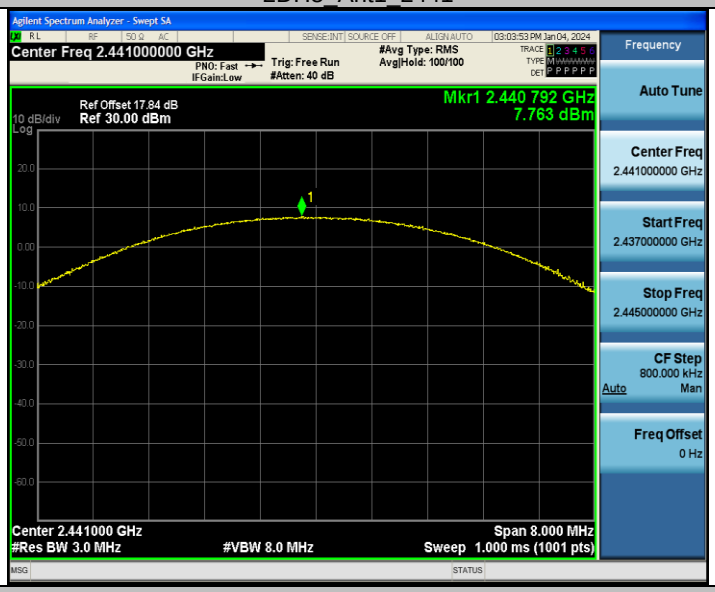
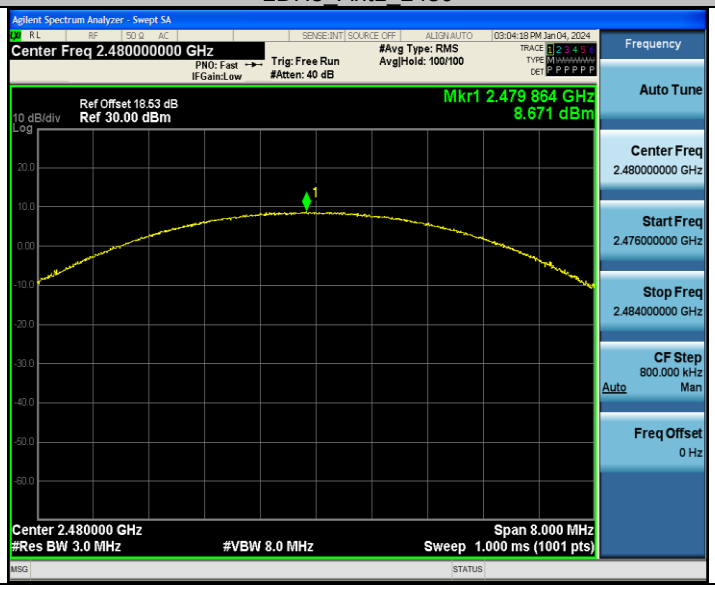


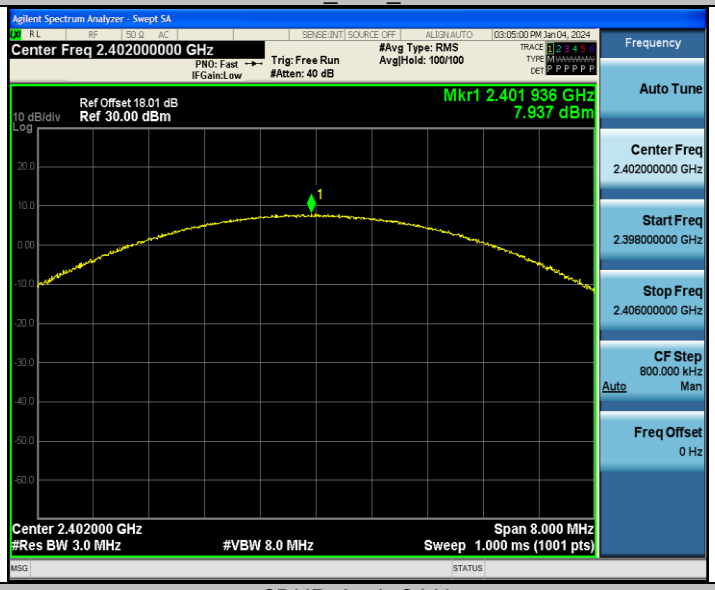
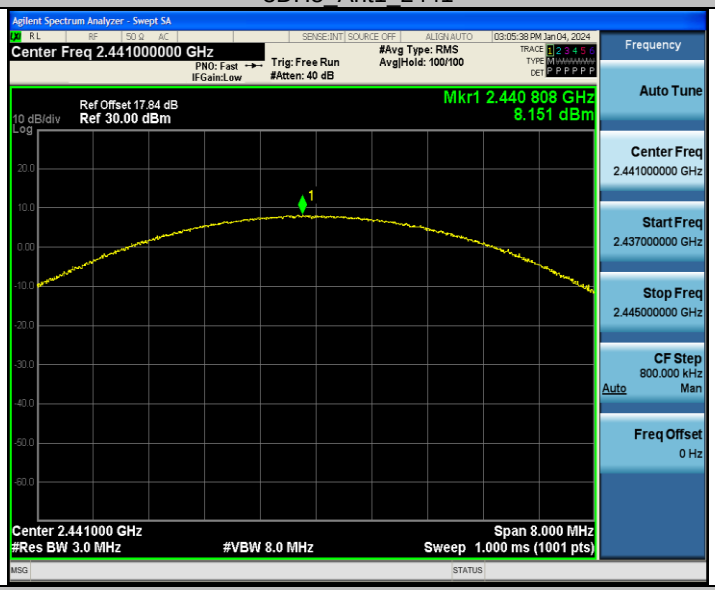
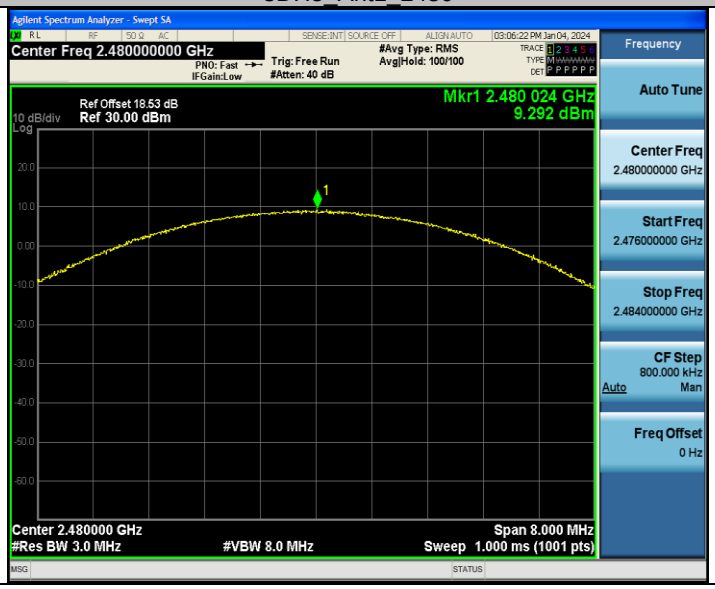

DH5_Ant1_2441




DH5_Ant1_2480



| 2DH5_Ant1_2402 |
| --- |
|  |
| 2DH5_Ant1_2441 |
|  |
| 2DH5_Ant1_2480 |
|  |

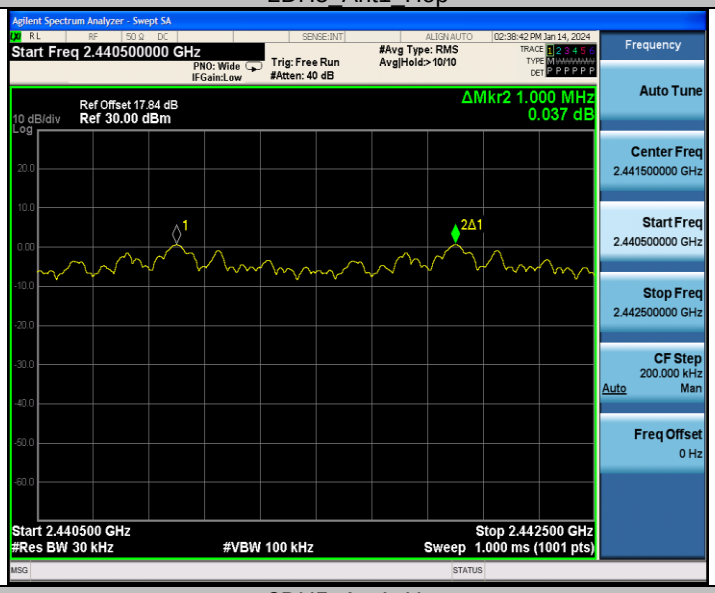
| 3DH5_Ant1_2402 |
| --- |
|  |
| 3DH5_Ant1_2441 |
|  |
| 3DH5_Ant1_2480 |
|  |

# APPENDIX C: CARRIER FREQUENCY SEPARATION

Test Result

| Test Mode | Antenna | Frequency [MHz] | Result [MHz] | Limit [MHz] | Verdict |
|---|---|---|---|---|---|
| DH5 | Ant1 | Hop | 1 | ≥0.951 | PASS |
| 2DH5 | Ant1 | Hop | 1 | ≥0.888 | PASS |
| 3DH5 | Ant1 | Hop | 0.998 | ≥0.882 | PASS |

Test Graphs

| DH5_Ant1_Hop |
| --- |
|  |
| 2DH5_Ant1_Hop |
|  |
| 3DH5_Ant1_Hop |
|  |

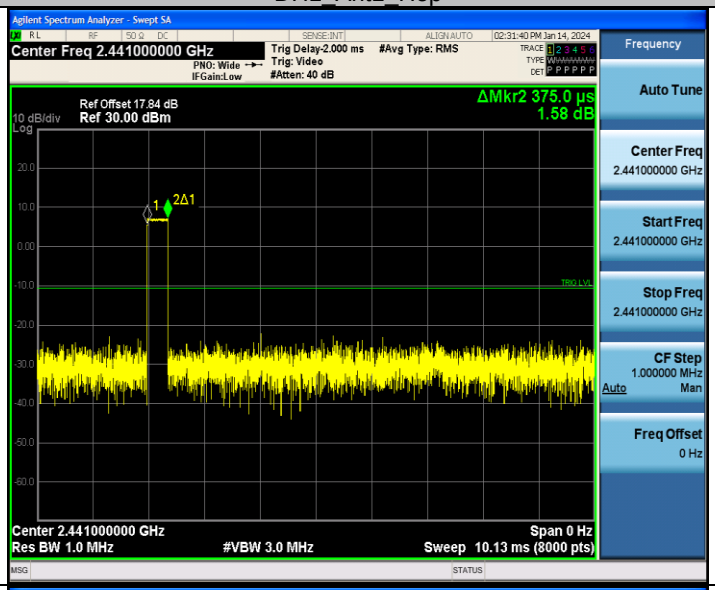
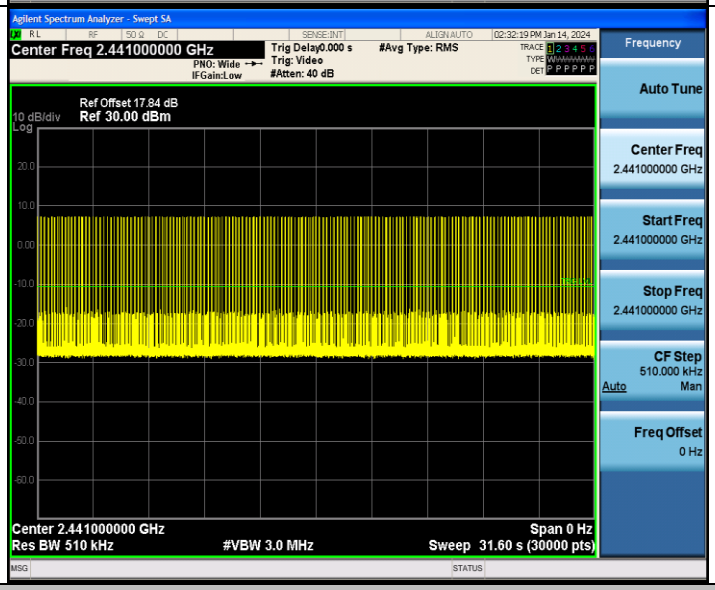
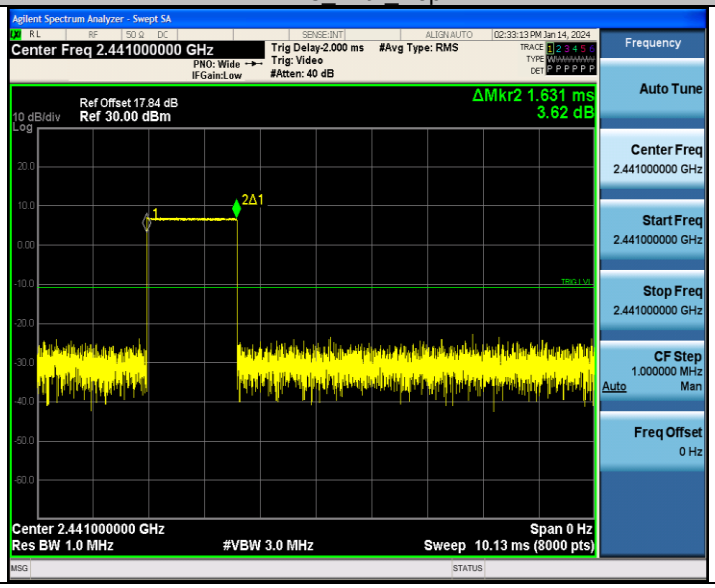
# APPENDIX D: TIME OF OCCUPANCY

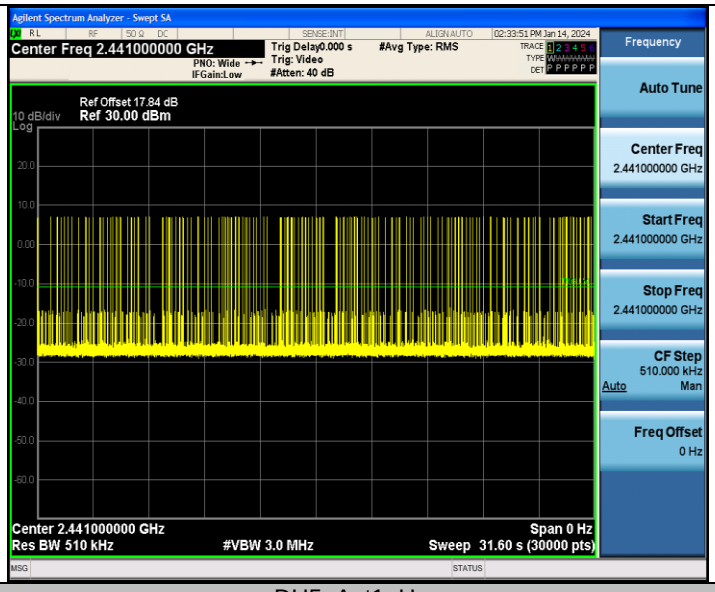
Test Result

| Test Mode | Antenna | Frequency [MHz] | BurstWidth [ms] | Hops in 31.6s [Num] | Result [s] | Limit [s] | Verdict |
|---|---|---|---|---|---|---|---|
| DH1 | Ant1 | Hop | 0.375 | 320 | 0.12 | ≤0.4 | PASS |
| DH3 | Ant1 | Hop | 1.631 | 165 | 0.269 | ≤0.4 | PASS |
| DH5 | Ant1 | Hop | 2.879 | 98 | 0.282 | ≤0.4 | PASS |
| 2DH1 | Ant1 | Hop | 0.388 | 319 | 0.124 | ≤0.4 | PASS |
| 2DH3 | Ant1 | Hop | 1.639 | 151 | 0.247 | ≤0.4 | PASS |
| 2DH5 | Ant1 | Hop | 2.888 | 110 | 0.318 | ≤0.4 | PASS |
| 3DH1 | Ant1 | Hop | 0.388 | 320 | 0.124 | ≤0.4 | PASS |
| 3DH3 | Ant1 | Hop | 1.638 | 162 | 0.265 | ≤0.4 | PASS |
| 3DH5 | Ant1 | Hop | 2.889 | 100 | 0.289 | ≤0.4 | PASS |

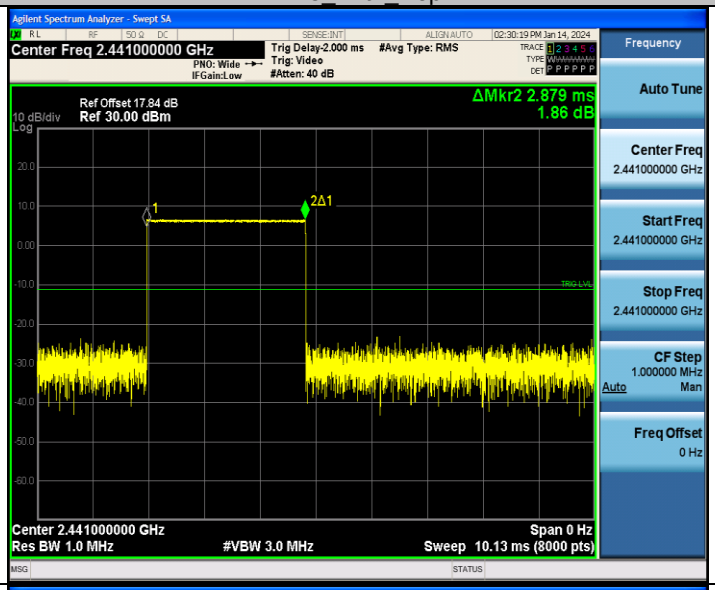
**Notes:**
1. Period time = 0.4s * 79 = 31.6s
2. Result (Time of occupancy) = BurstWidth[ms] * Hops in 31.6s [Num]

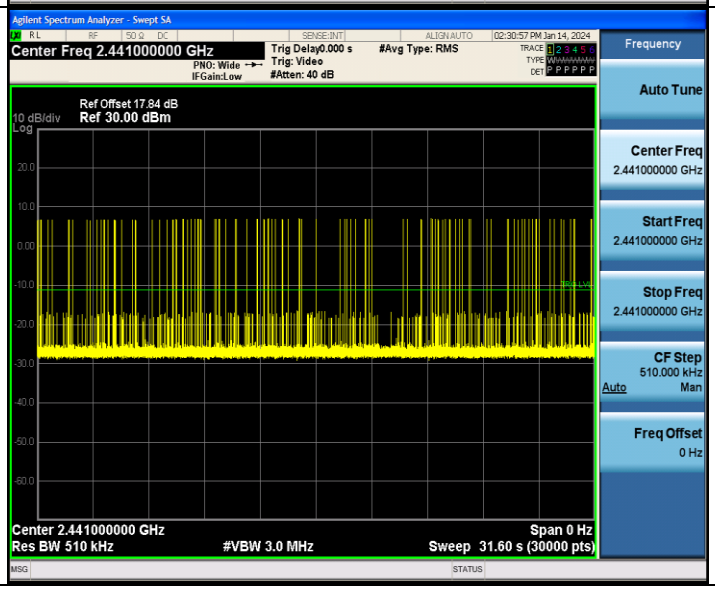
Test Graphs

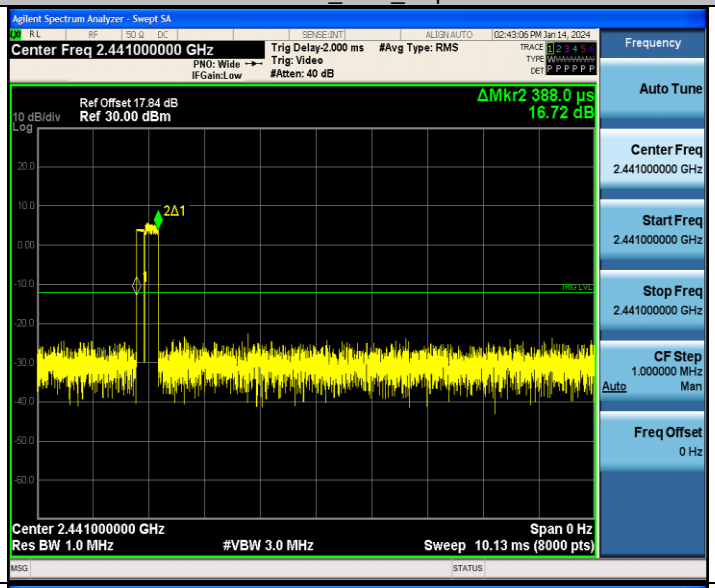
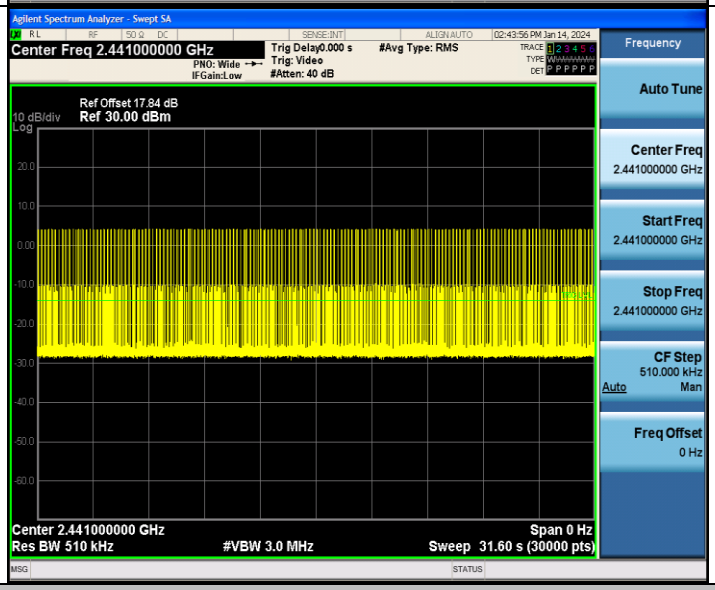
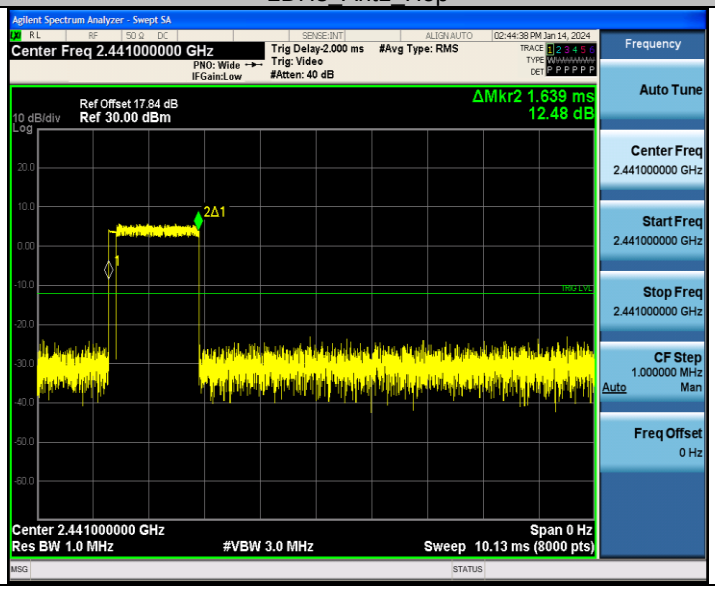
| DH1_Ant1_Hop |
| --- |
|  |
|  |
| DH3_Ant1_Hop |
|  |

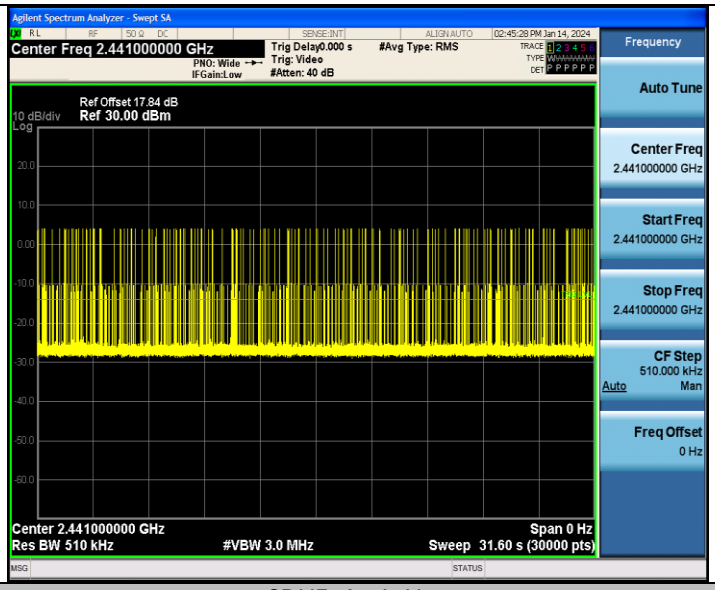

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441000000 GHz
PNO: Wide
IFGain:Low
Trig Delay0.000 s
Trig: Video
#Avg Type: RMS
#Atten: 40 dB
02:33:51 PM Jan 14, 2024
Ref Offset 17.84 dB
10 dB/div
Ref 30.00 dBm
Log
Center 2.441000000 GHz
Res BW 510 kHz
#VBW 3.0 MHz
Span 0 Hz
Sweep 31.60 s (30000 pts)
Frequency
Auto Tune
Center Freq
2.441000000 GHz
Start Freq
2.441000000 GHz
Stop Freq
2.441000000 GHz
CF Step
510.000 kHz
Auto
Man
Freq Offset
0 Hz

DH5_Ant1_Hop

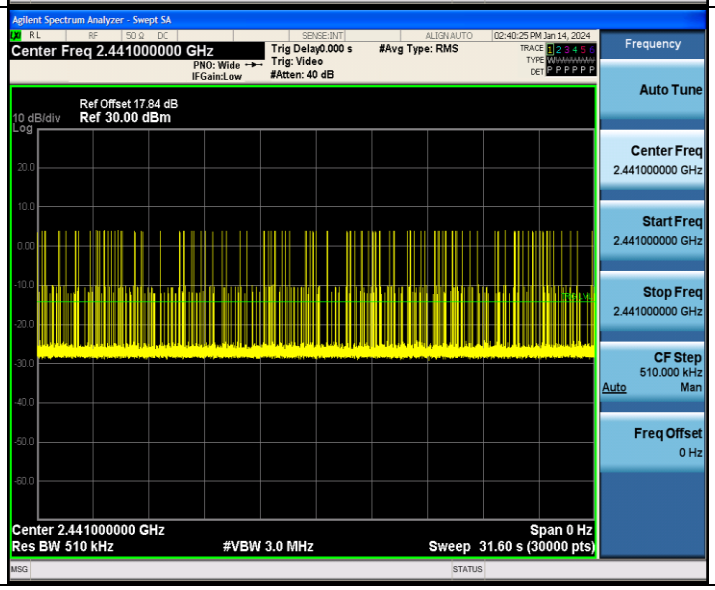

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441000000 GHz
PNO: Wide
IFGain:Low
Trig Delay-2.000 ms
Trig: Video
#Avg Type: RMS
#Atten: 40 dB
02:30:19 PM Jan 14, 2024
Ref Offset 17.84 dB
10 dB/div
Ref 30.00 dBm
ΔMkr2 2.879 ms
1.86 dB
Log
1
2Δ1
Center 2.441000000 GHz
Res BW 1.0 MHz
#VBW 3.0 MHz
Span 0 Hz
Sweep 10.13 ms (8000 pts)
Frequency
Auto Tune
Center Freq
2.441000000 GHz
Start Freq
2.441000000 GHz
Stop Freq
2.441000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

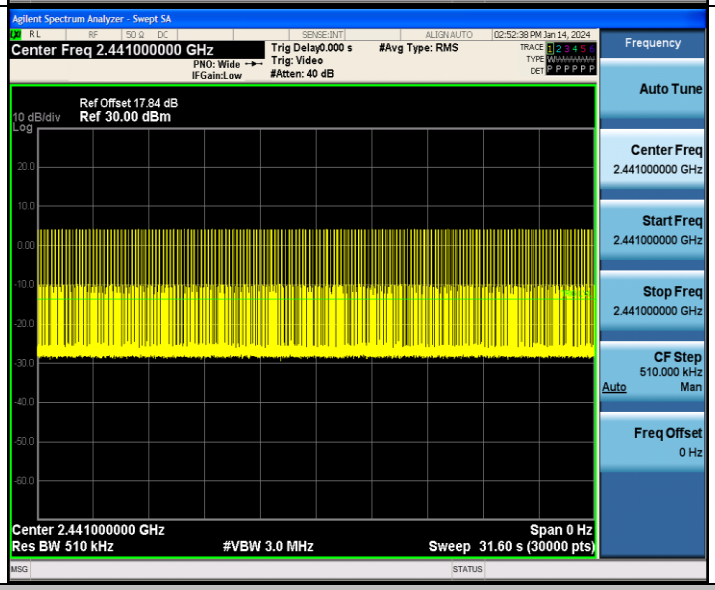

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441000000 GHz
PNO: Wide
IFGain:Low
Trig Delay0.000 s
Trig: Video
#Avg Type: RMS
#Atten: 40 dB
02:30:57 PM Jan 14, 2024
Ref Offset 17.84 dB
10 dB/div
Ref 30.00 dBm
Log
Center 2.441000000 GHz
Res BW 510 kHz
#VBW 3.0 MHz
Span 0 Hz
Sweep 31.60 s (30000 pts)
Frequency
Auto Tune
Center Freq
2.441000000 GHz
Start Freq
2.441000000 GHz
Stop Freq
2.441000000 GHz
CF Step
510.000 kHz
Auto
Man
Freq Offset
0 Hz

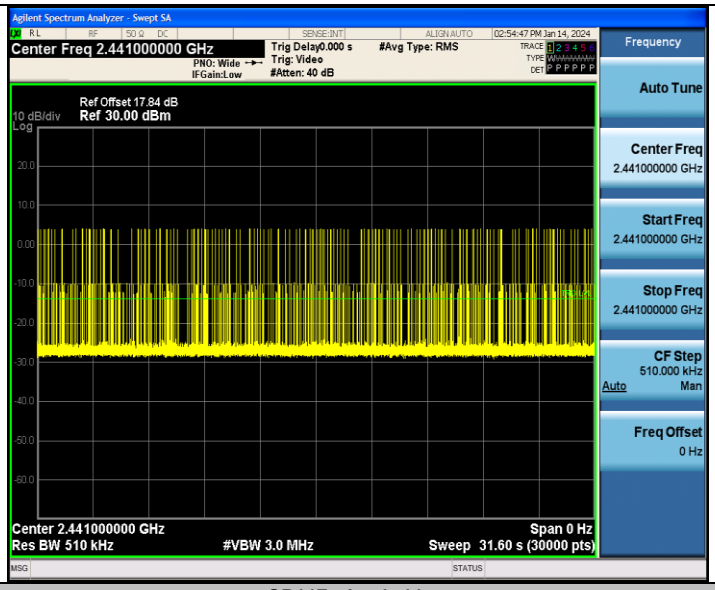
| 2DH1_Ant1_Hop |
| --- |
|  |
|  |
| 2DH3_Ant1_Hop |
|  |




2DH5_Ant1_Hop

| 3DH1_Ant1_Hop |
| --- |
|  |
|  |
| 3DH3_Ant1_Hop |
|  |




3DH5_Ant1_Hop