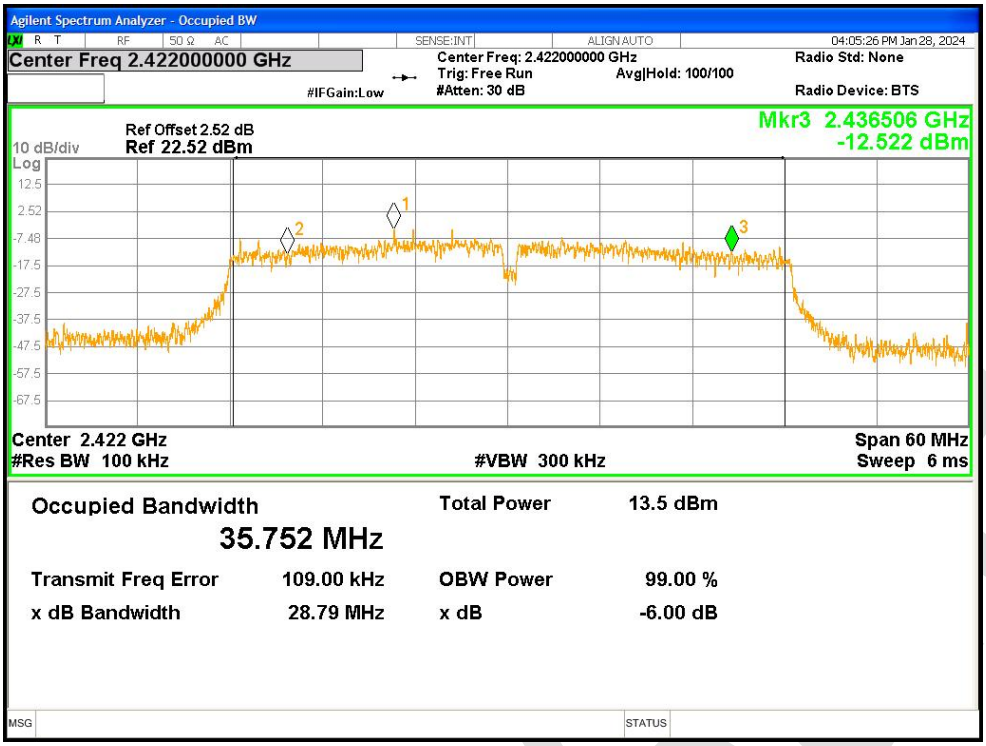
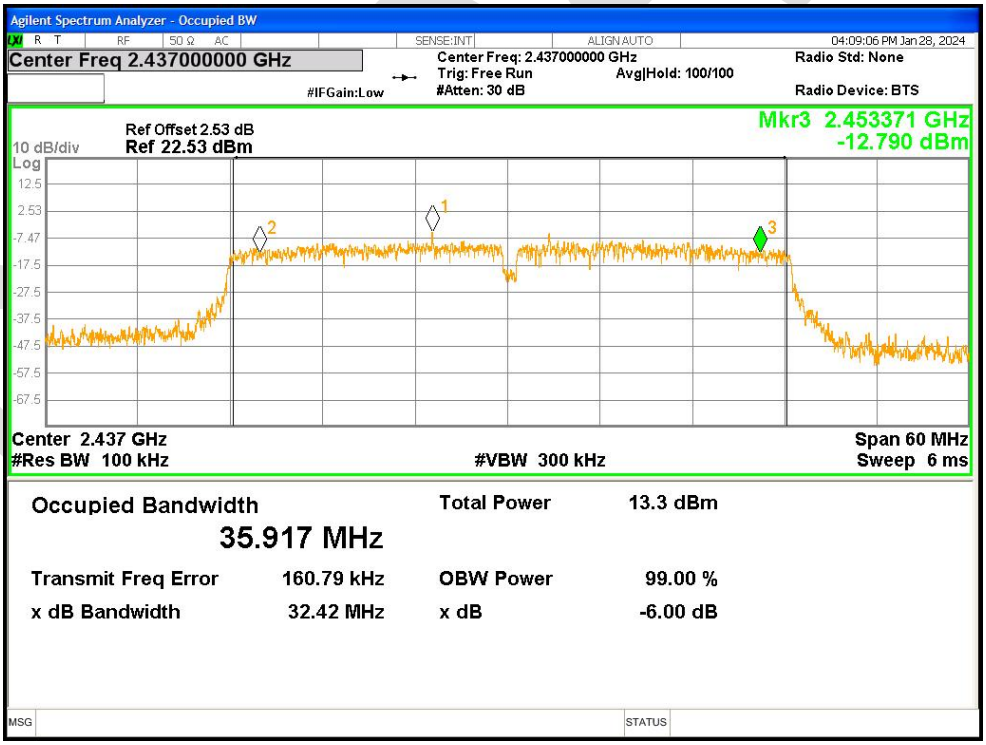
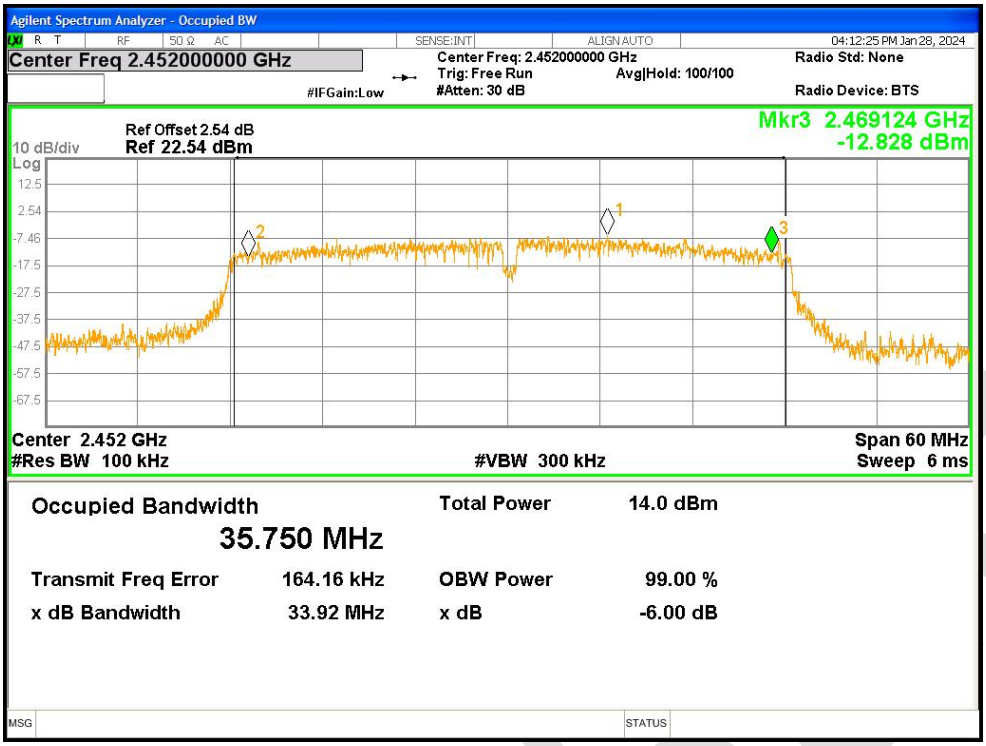



-6dB Bandwidth NVNT n40 2437MHz Ant1



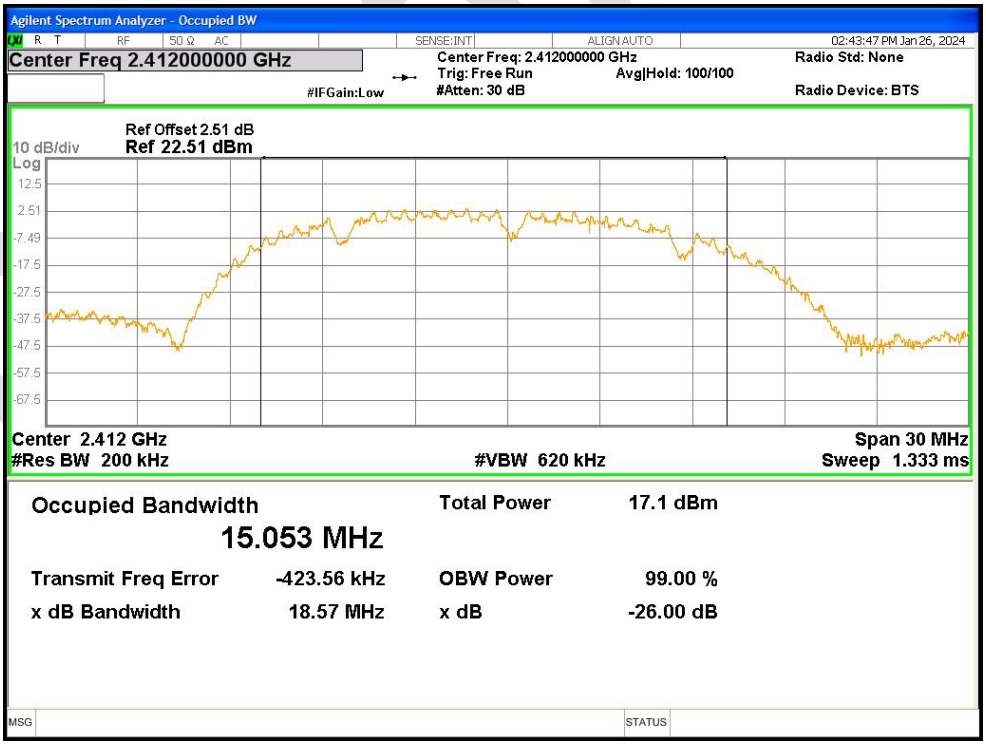

-6dB Bandwidth NVNT n40 2452MHz Ant1


Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 100/100
Radio Std: None
Radio Device: BTS
04:12:25 PM Jan 28, 2024
#IFGain:Low
Ref Offset 2.54 dB
10 dB/div
Ref 22.54 dBm
Mkr3 2.469124 GHz
-12.828 dBm
Center 2.452 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 6 ms
Occupied Bandwidth
35.750 MHz
Total Power 14.0 dBm
Transmit Freq Error 164.16 kHz
OBW Power 99.00 %
x dB Bandwidth 33.92 MHz
x dB -6.00 dB

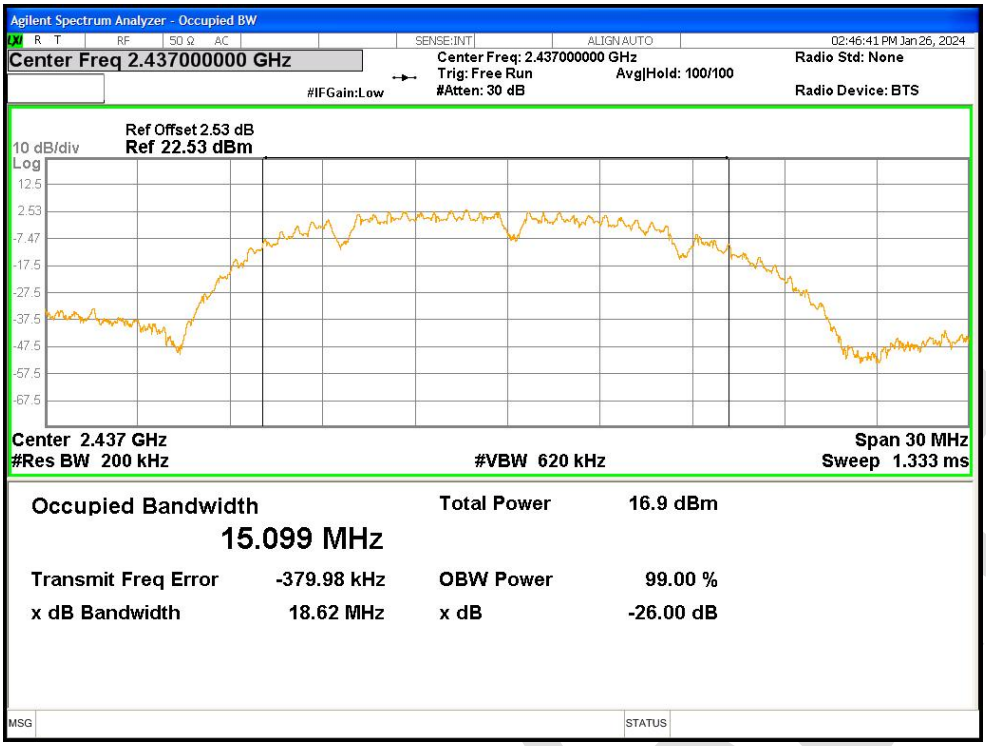
## 20.3 OCCUPIED CHANNEL BANDWIDTH

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | 15.053 |
| NVNT | b | 2437 | Ant1 | 15.099 |
| NVNT | b | 2462 | Ant1 | 15.052 |
| NVNT | g | 2412 | Ant1 | 17.082 |
| NVNT | g | 2437 | Ant1 | 17.306 |
| NVNT | g | 2462 | Ant1 | 17.146 |
| NVNT | n20 | 2412 | Ant1 | 17.688 |
| NVNT | n20 | 2437 | Ant1 | 18.097 |
| NVNT | n20 | 2462 | Ant1 | 17.747 |
| NVNT | n40 | 2422 | Ant1 | 35.657 |
| NVNT | n40 | 2437 | Ant1 | 35.915 |
| NVNT | n40 | 2452 | Ant1 | 35.695 |

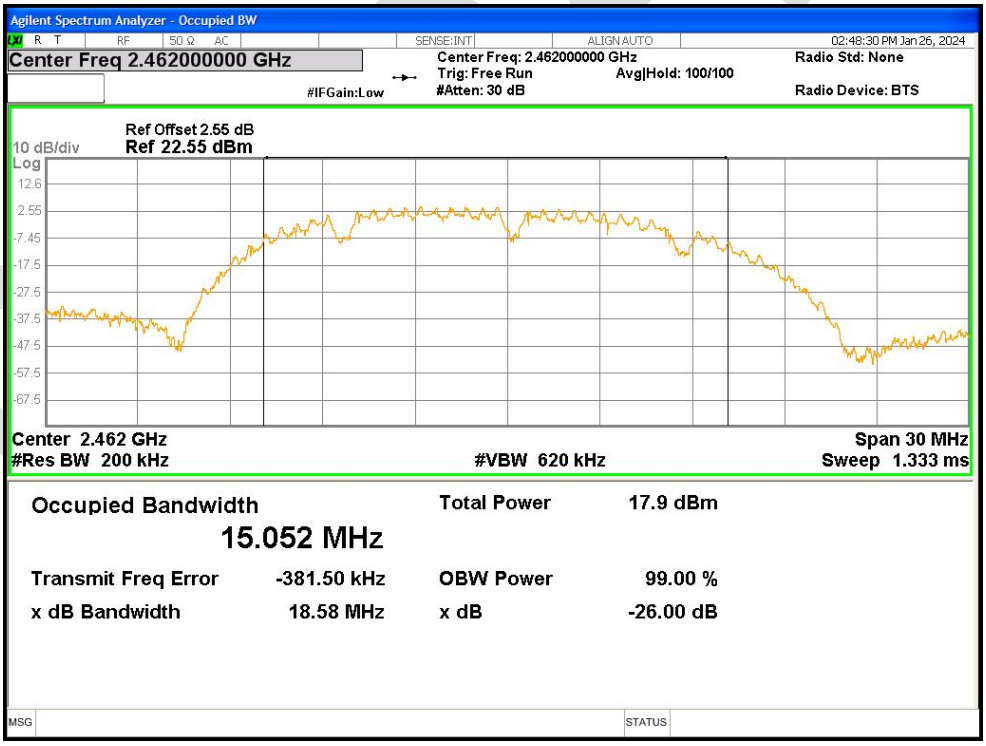
OBW NVNT b 2412MHz Ant1



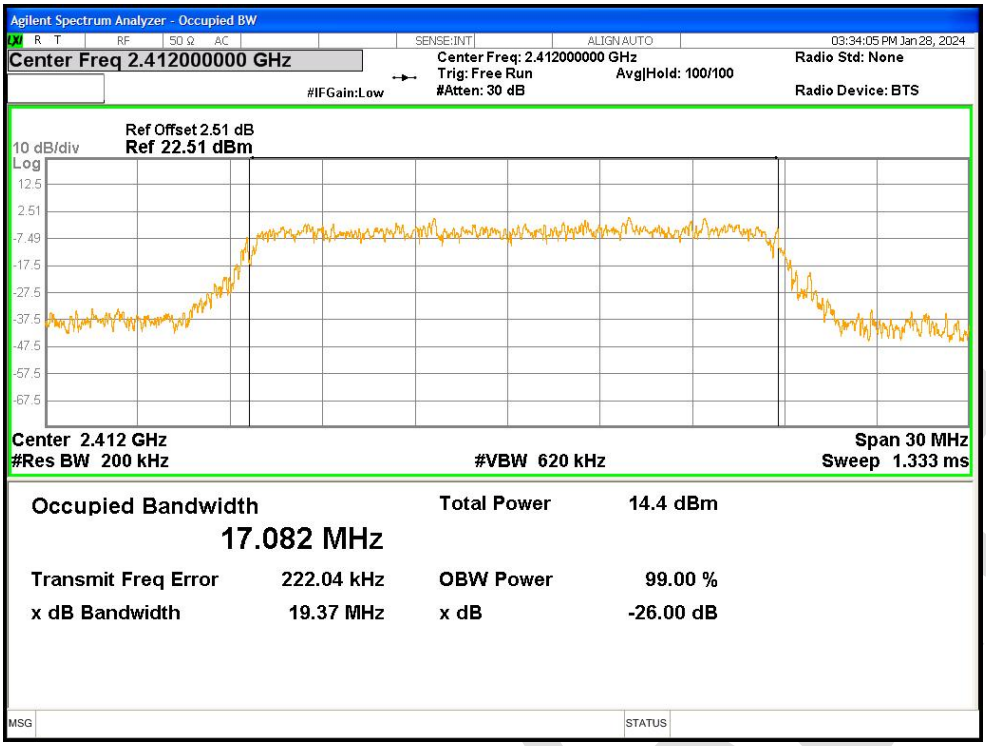

OBW NVNT b 2437MHz Ant1



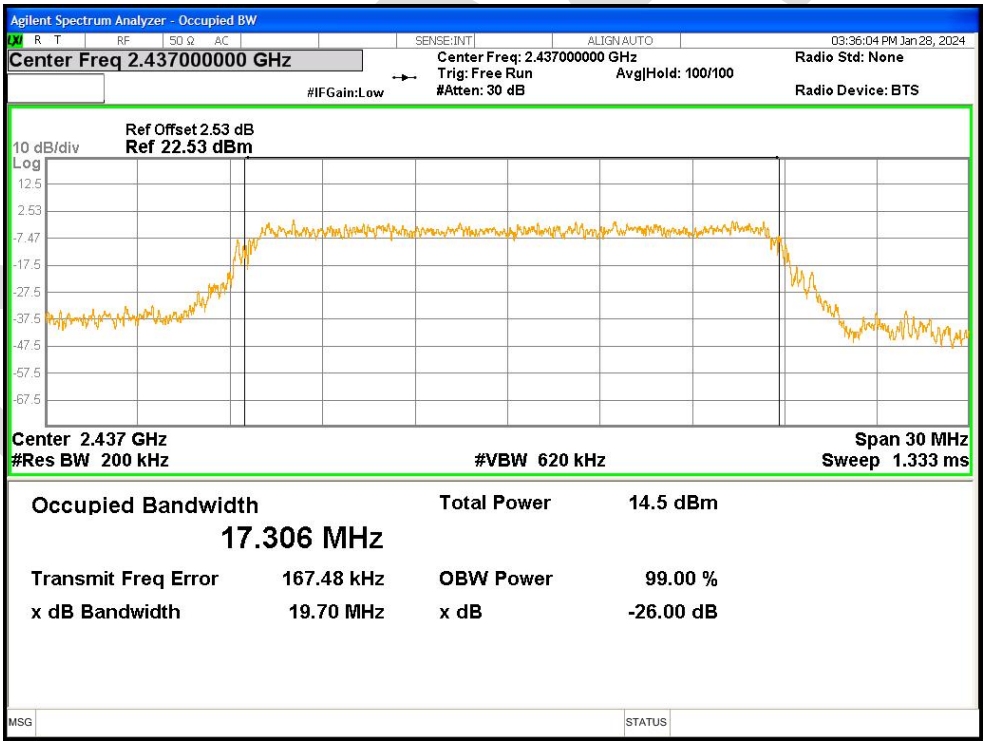

OBW NVNT b 2462MHz Ant1



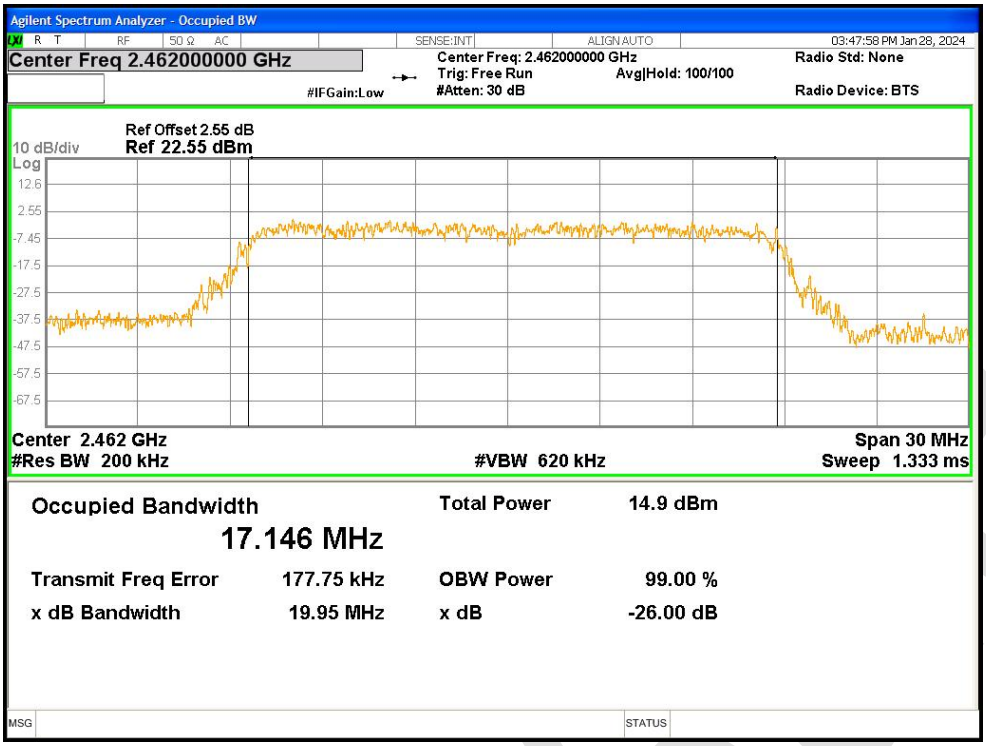

OBW NVNT g 2412MHz Ant1



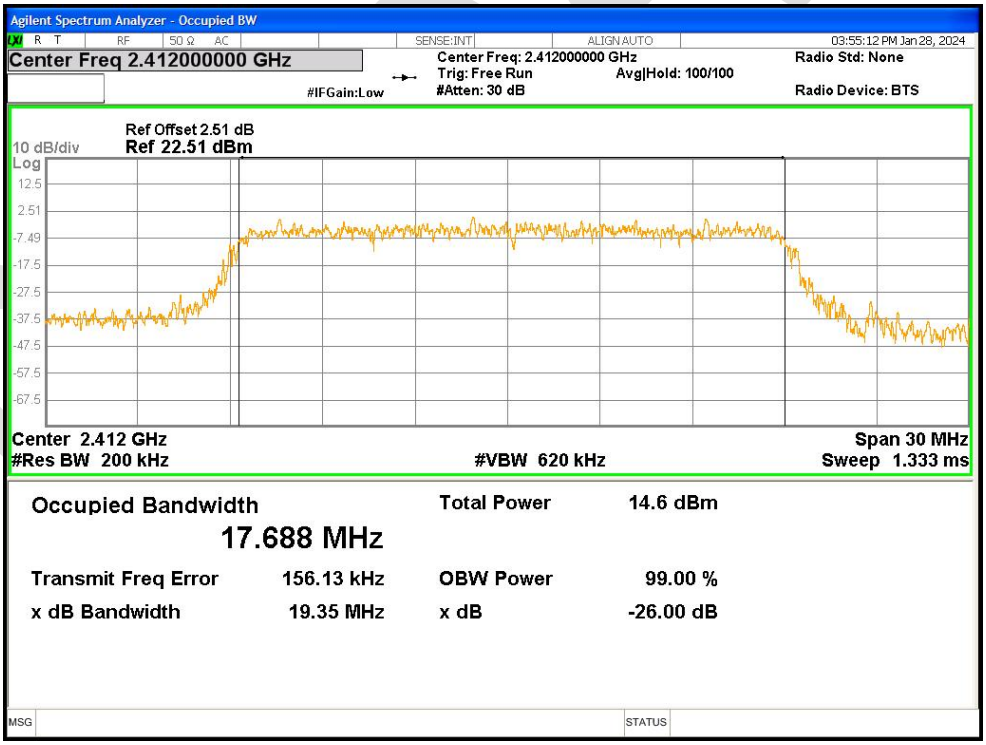

OBW NVNT g 2437MHz Ant1



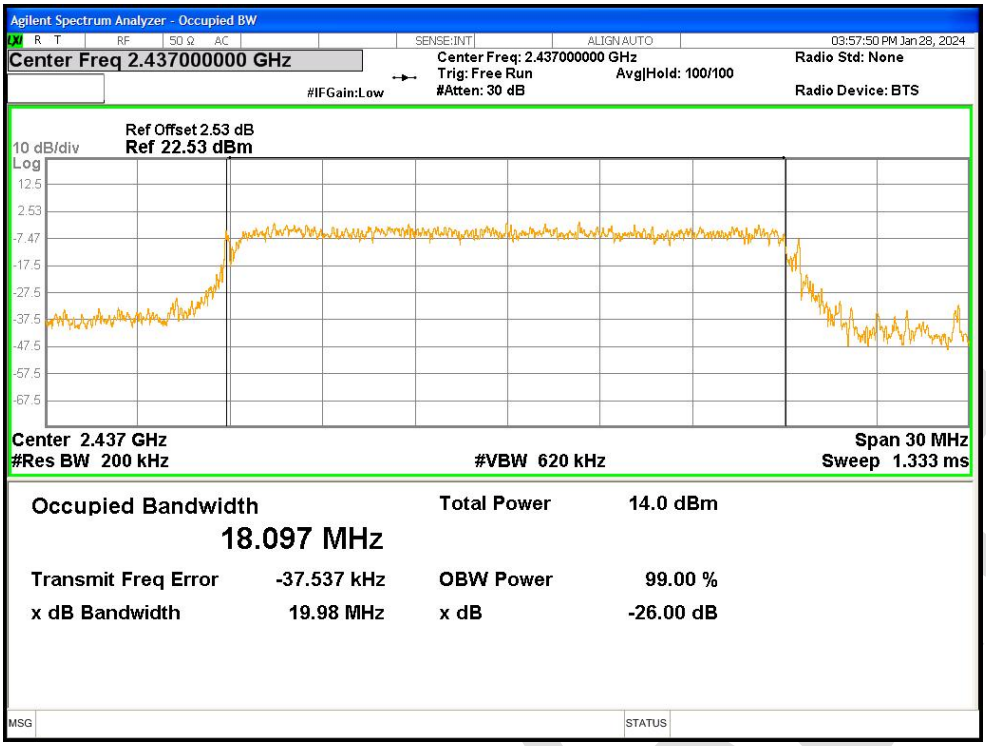

OBW NVNT g 2462MHz Ant1



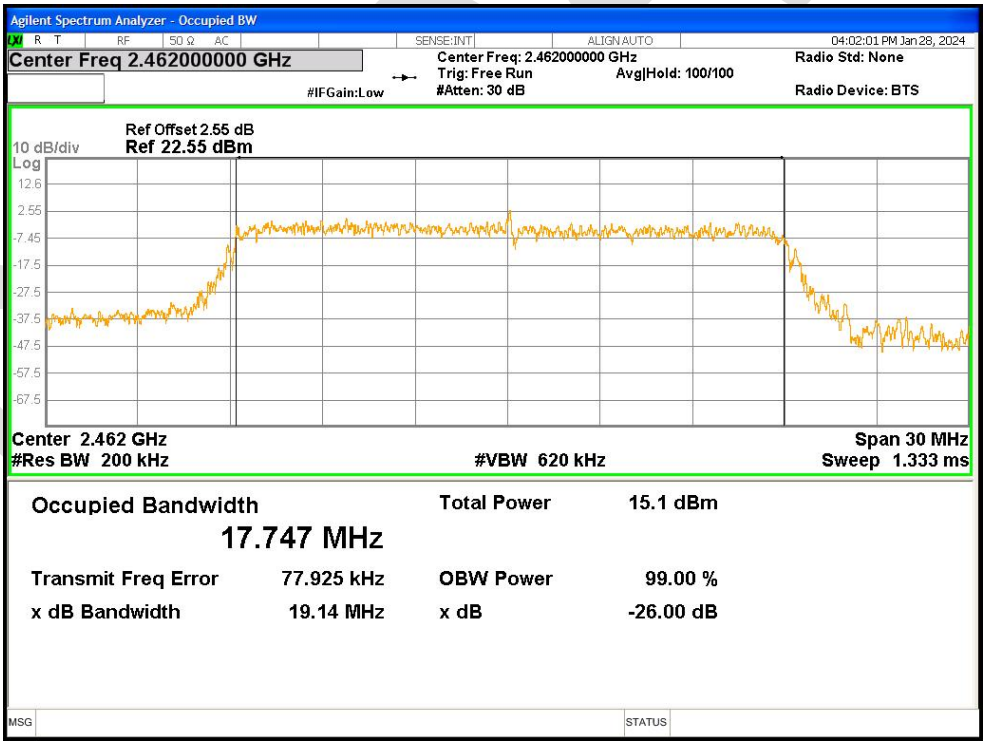

OBW NVNT n20 2412MHz Ant1



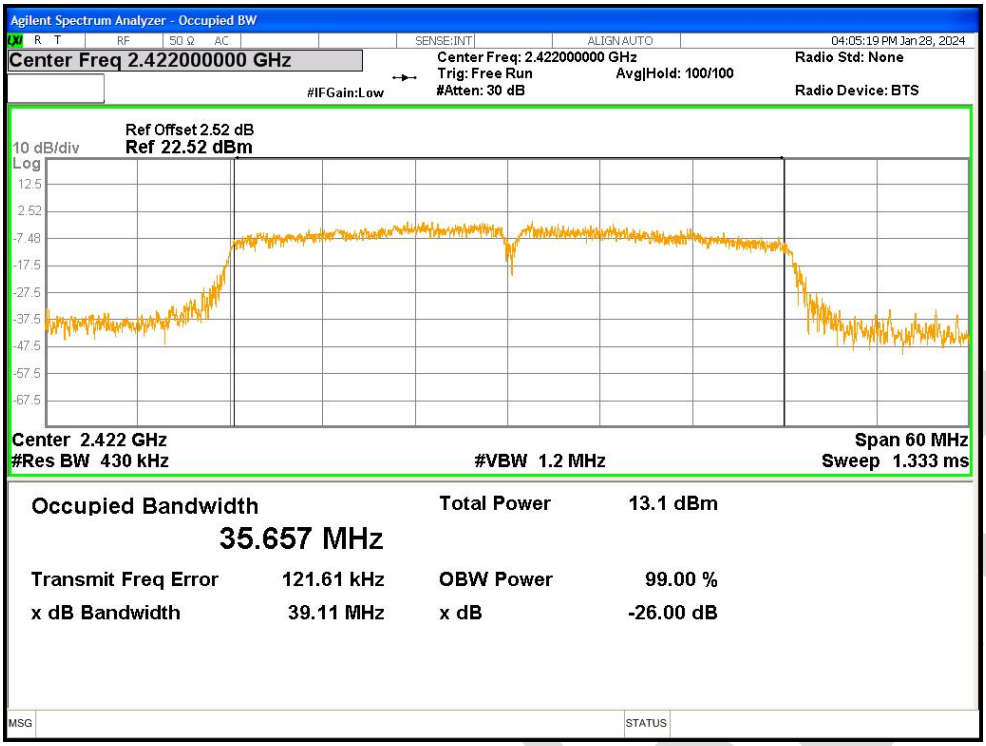

OBW NVNT n20 2437MHz Ant1



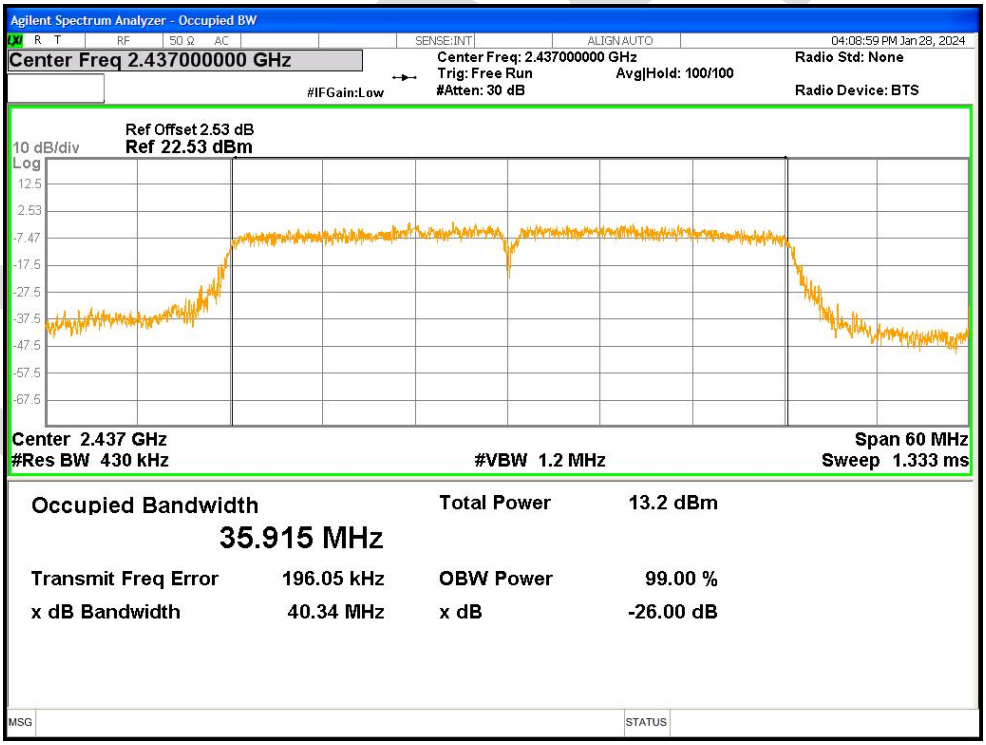

OBW NVNT n20 2462MHz Ant1



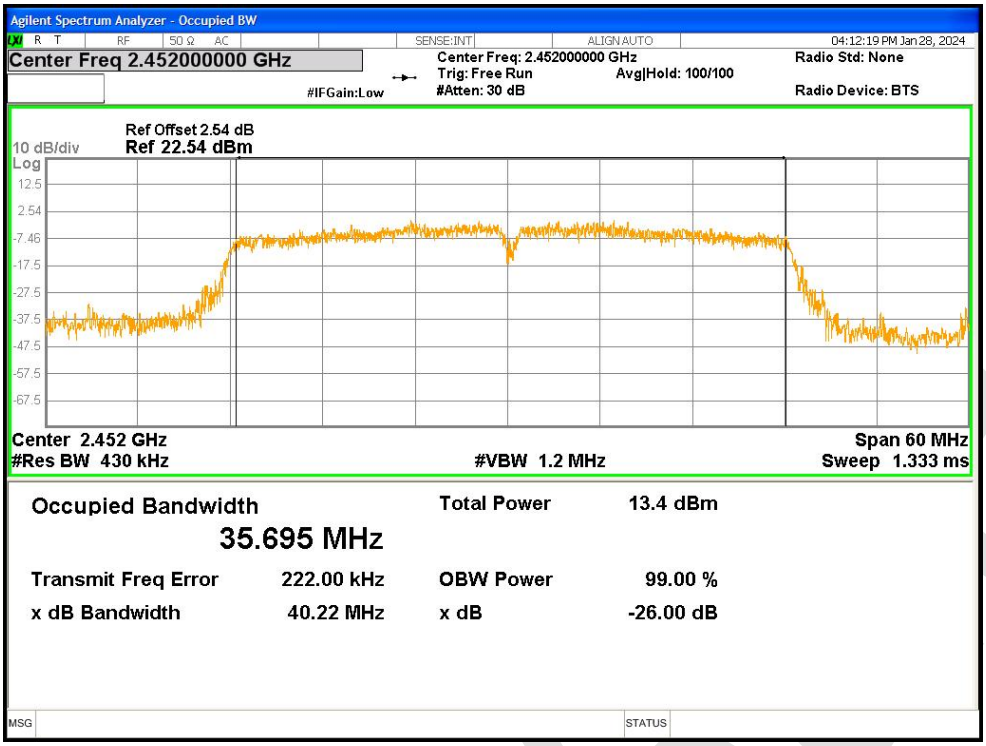

OBW NVNT n40 2422MHz Ant1




OBW NVNT n40 2437MHz Ant1



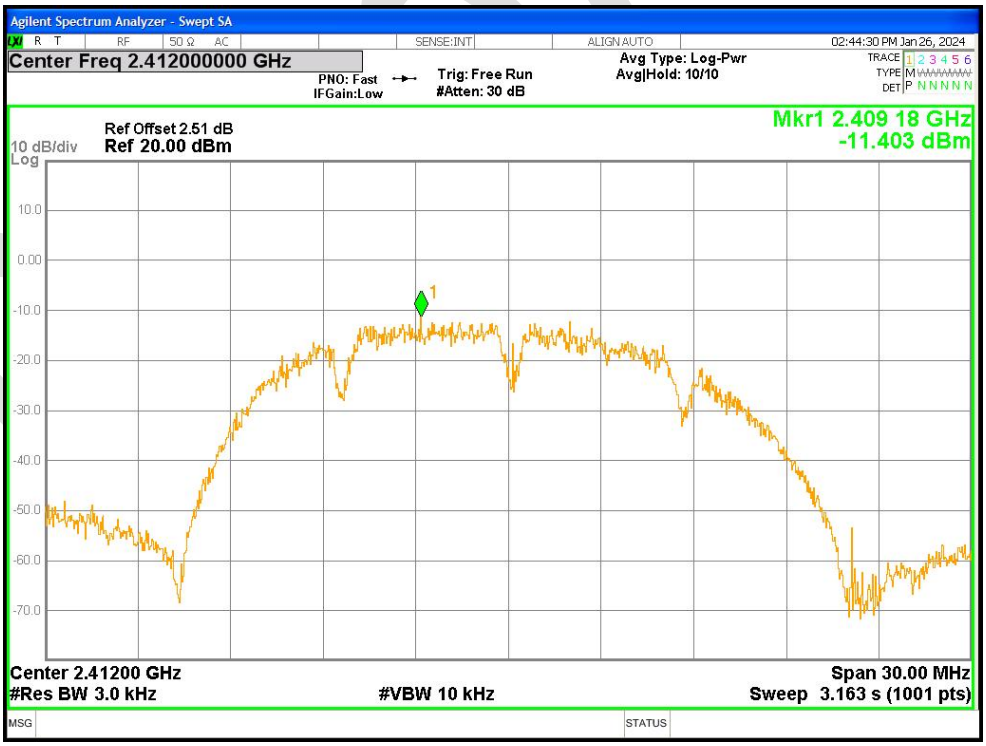

OBW NVNT n40 2452MHz Ant1


Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
04:12:19 PM Jan 28, 2024
Ref Offset 2.54 dB
10 dB/div
Ref 22.54 dBm
Log
12.5
2.54
-7.46
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
Center 2.452 GHz
#Res BW 430 kHz
#VBW 1.2 MHz
Span 60 MHz
Sweep 1.333 ms
Occupied Bandwidth
35.695 MHz
Total Power 13.4 dBm
Transmit Freq Error 222.00 kHz
OBW Power 99.00 %
x dB Bandwidth 40.22 MHz
x dB -26.00 dB
MSG
STATUS

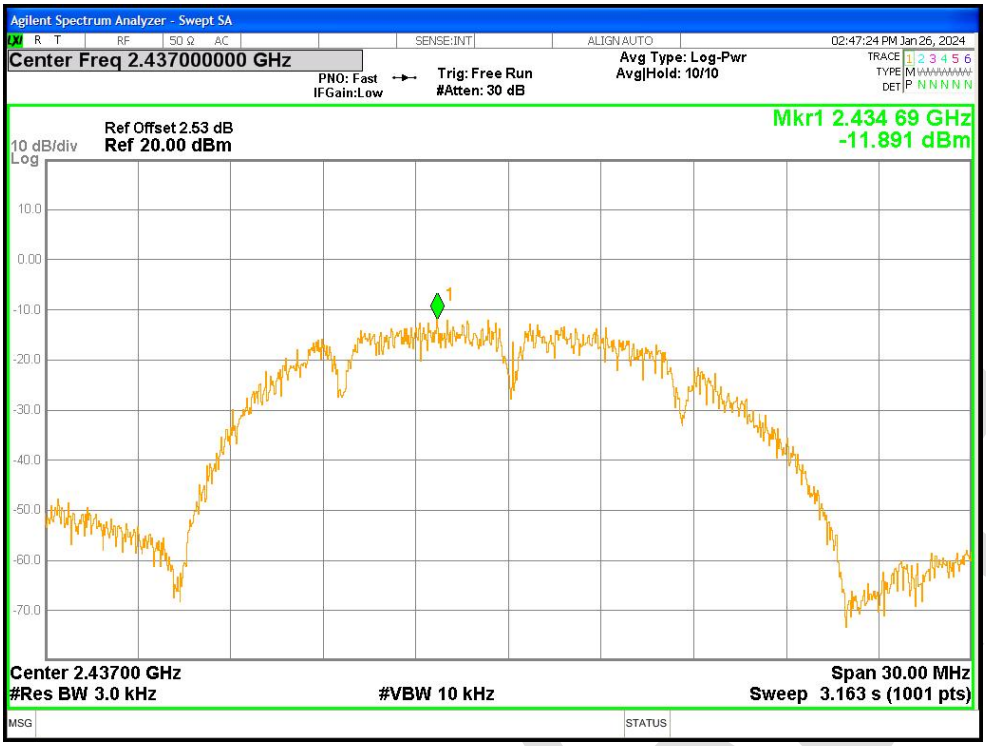
## 20.4 MAXIMUM POWER SPECTRAL DENSITY LEVEL

| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | -11.403 | 8 | Pass |
| NVNT | b | 2437 | Ant1 | -11.891 | 8 | Pass |
| NVNT | b | 2462 | Ant1 | -10.917 | 8 | Pass |
| NVNT | g | 2412 | Ant1 | -14.5 | 8 | Pass |
| NVNT | g | 2437 | Ant1 | -15.658 | 8 | Pass |
| NVNT | g | 2462 | Ant1 | -14.653 | 8 | Pass |
| NVNT | n20 | 2412 | Ant1 | -14.804 | 8 | Pass |
| NVNT | n20 | 2437 | Ant1 | -14.661 | 8 | Pass |
| NVNT | n20 | 2462 | Ant1 | -14.648 | 8 | Pass |
| NVNT | n40 | 2422 | Ant1 | -17.825 | 8 | Pass |
| NVNT | n40 | 2437 | Ant1 | -19.078 | 8 | Pass |
| NVNT | n40 | 2452 | Ant1 | -18.472 | 8 | Pass |

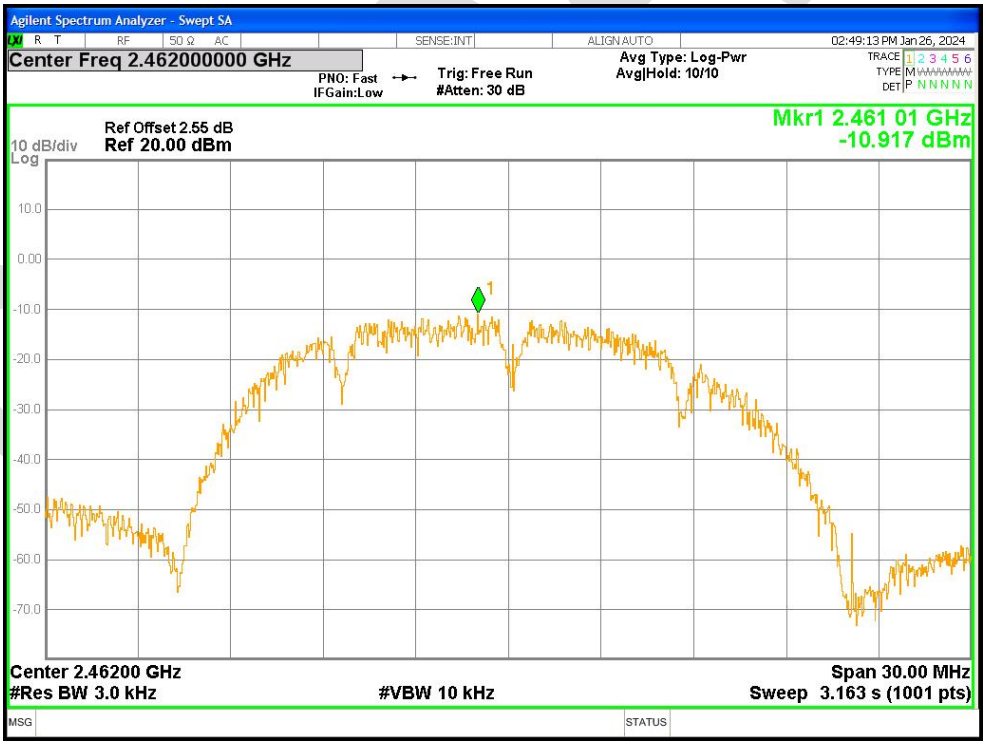
PSD NVNT b 2412MHz Ant1



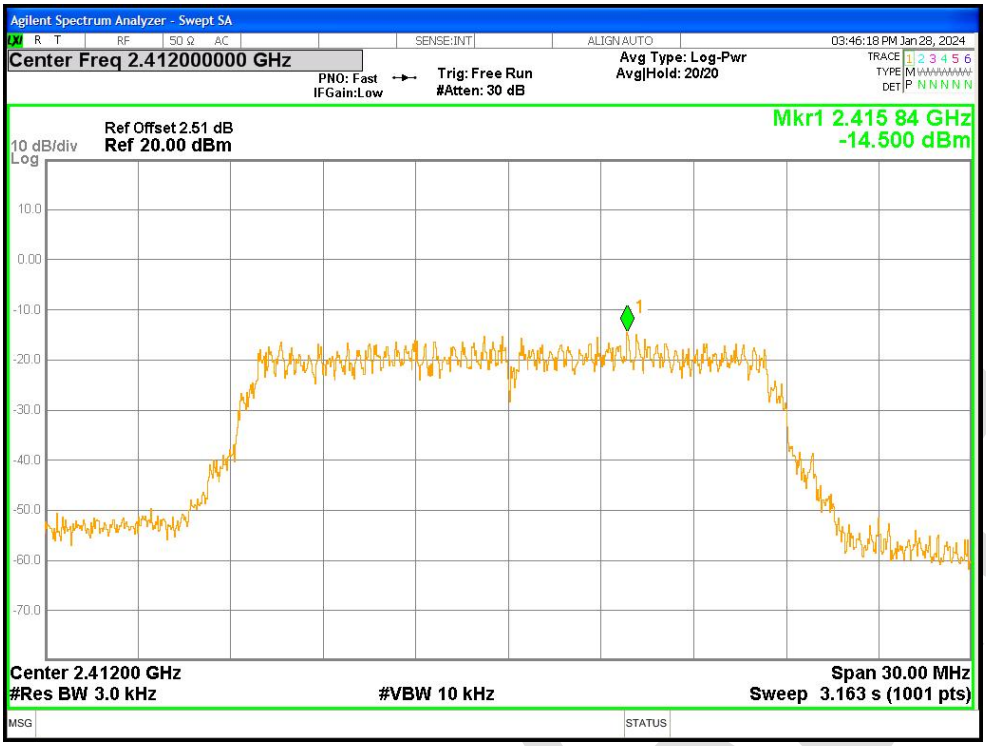

PSD NVNT b 2437MHz Ant1



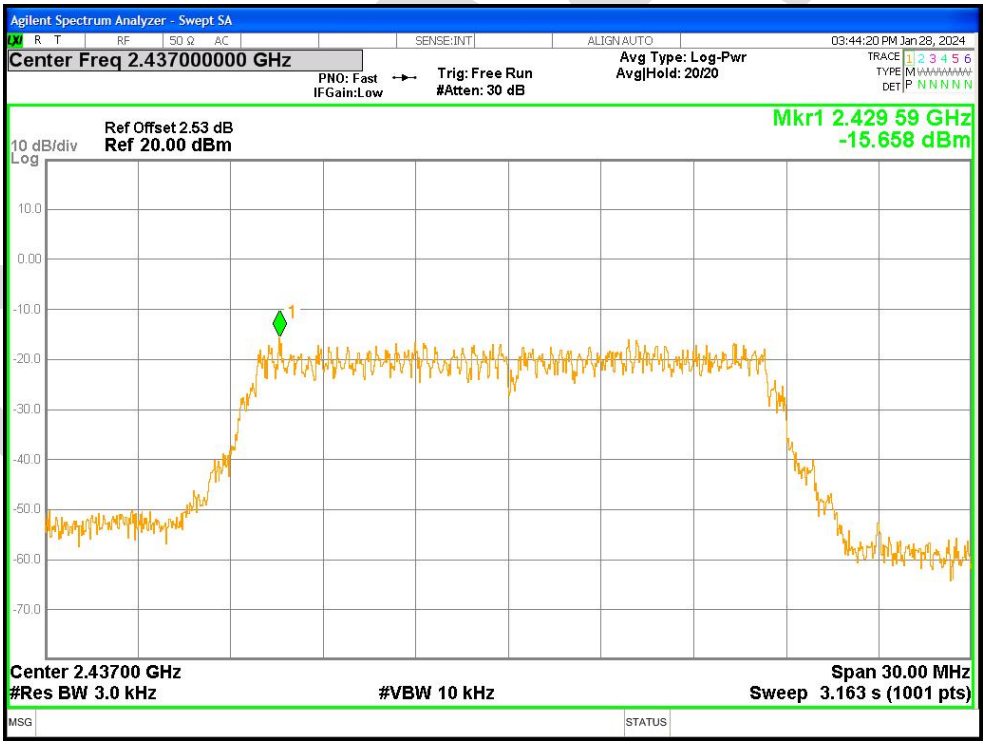

PSD NVNT b 2462MHz Ant1



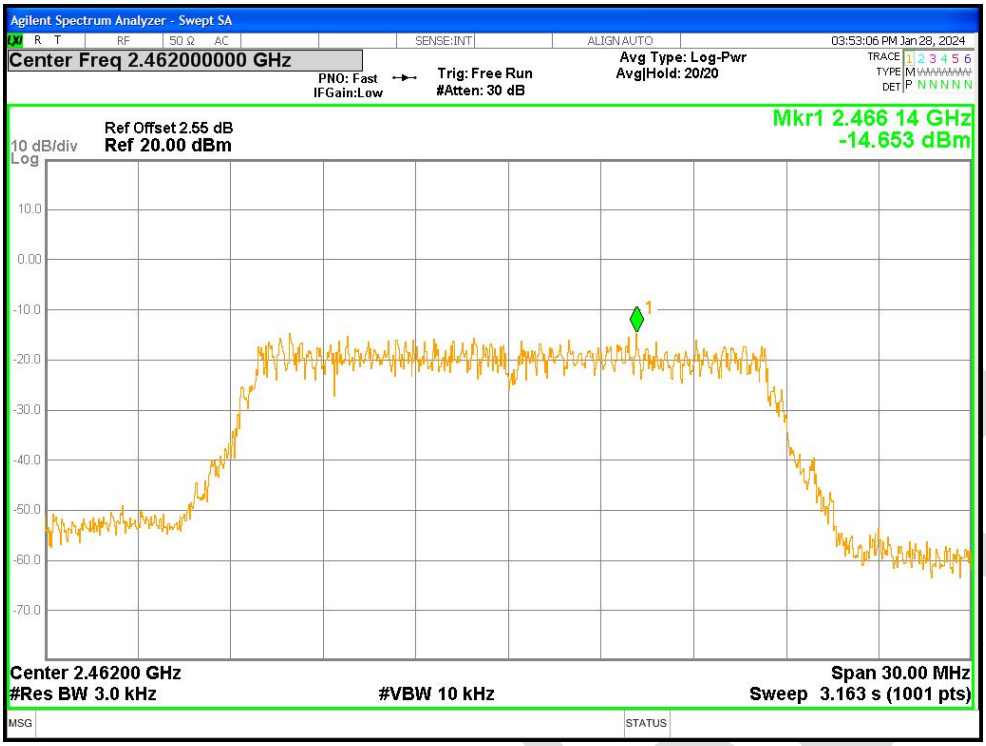

PSD NVNT g 2412MHz Ant1



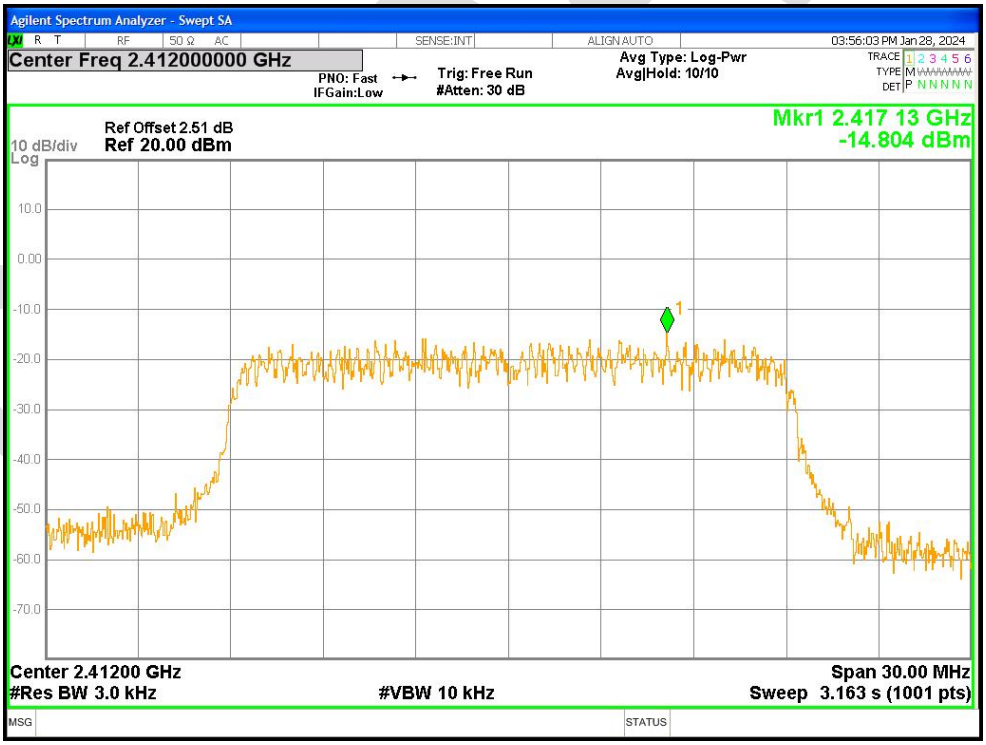

PSD NVNT g 2437MHz Ant1



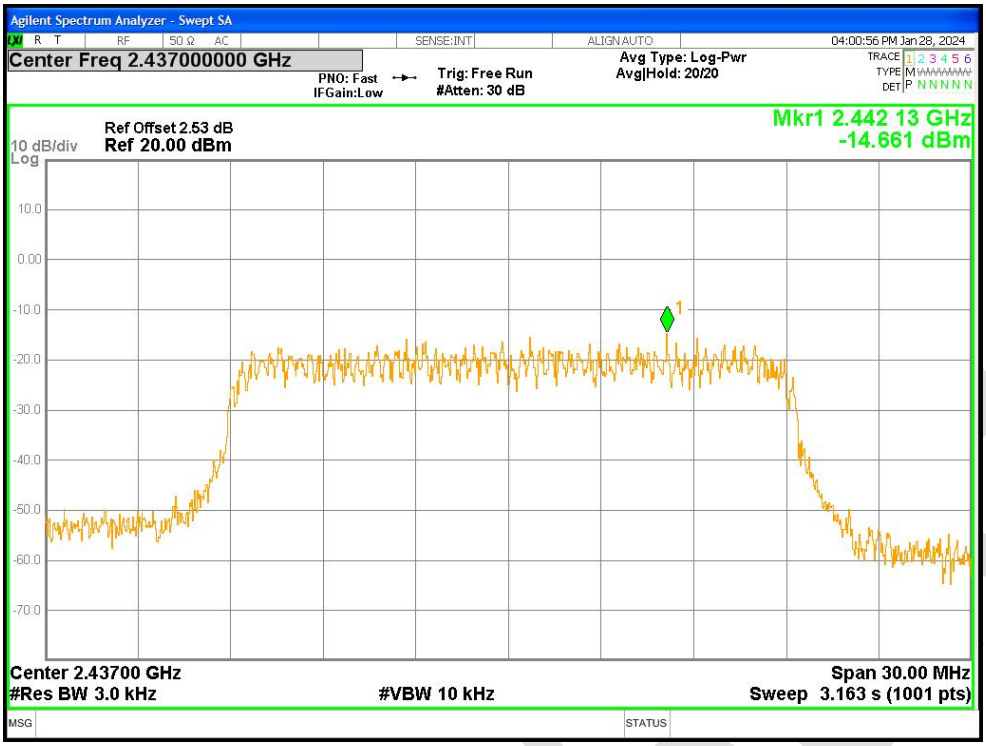

PSD NVNT g 2462MHz Ant1



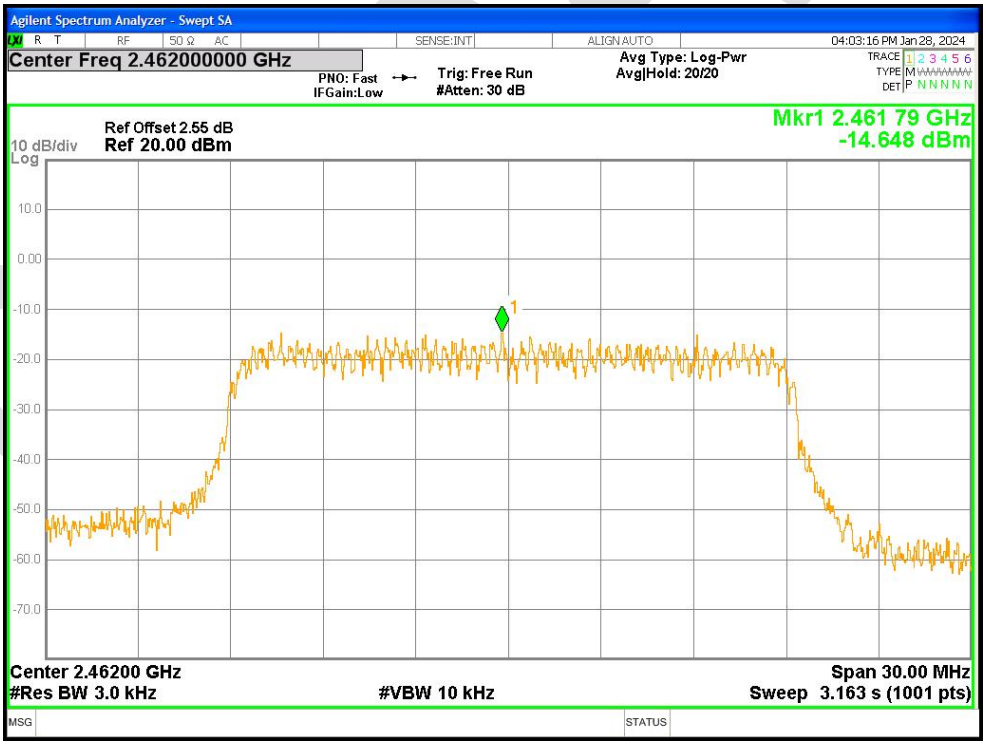

PSD NVNT n20 2412MHz Ant1



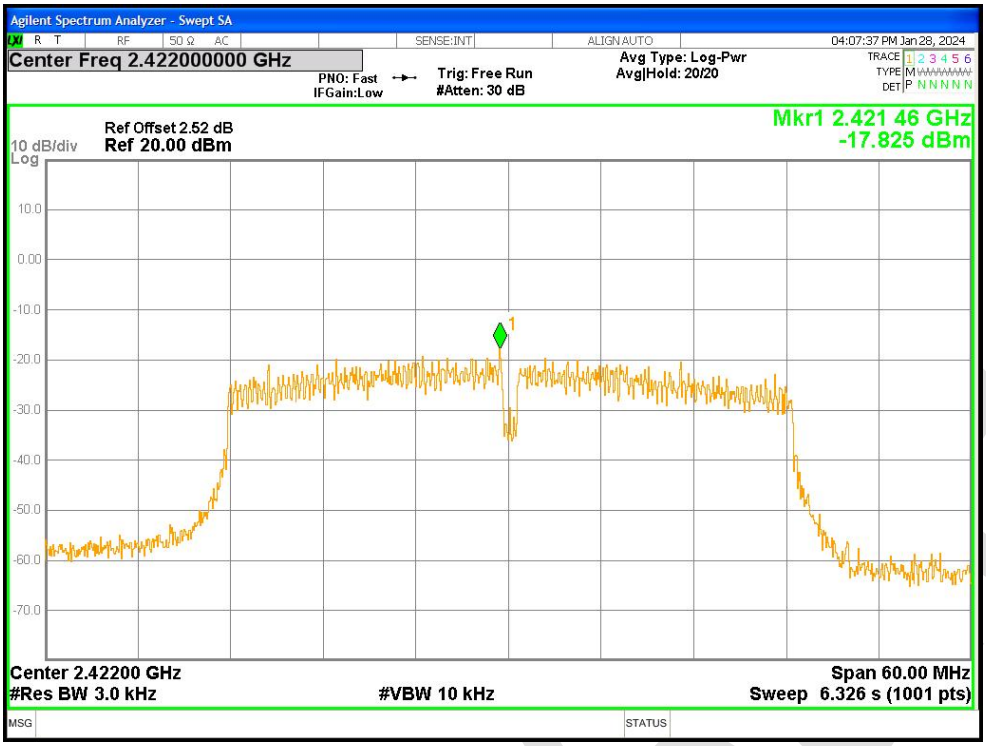

PSD NVNT n20 2437MHz Ant1



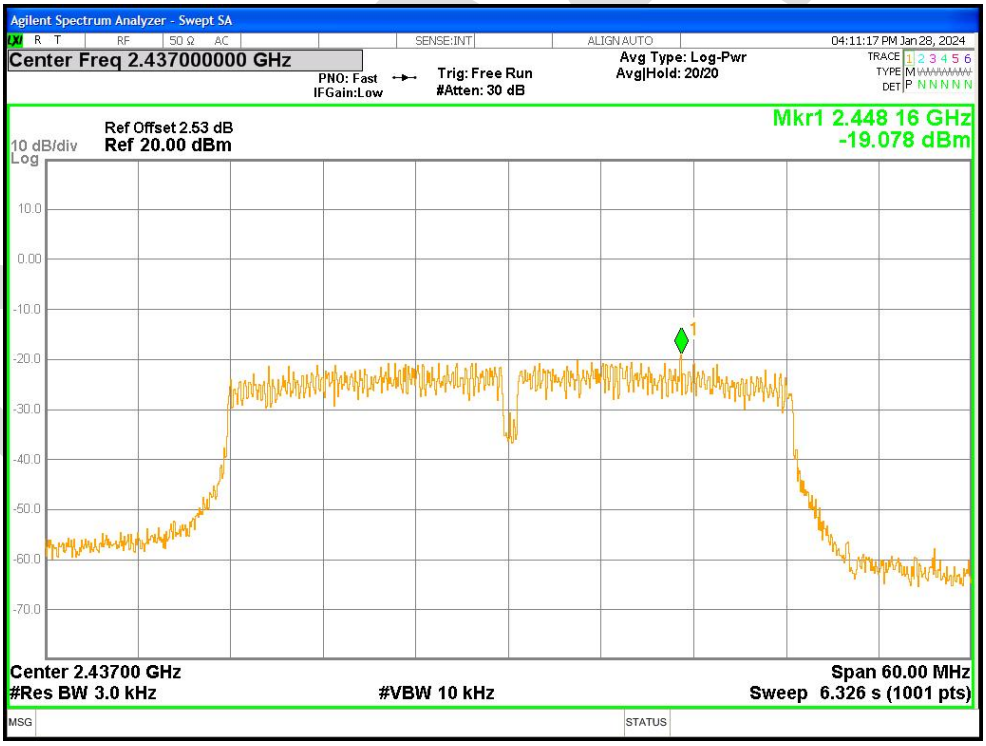

PSD NVNT n20 2462MHz Ant1



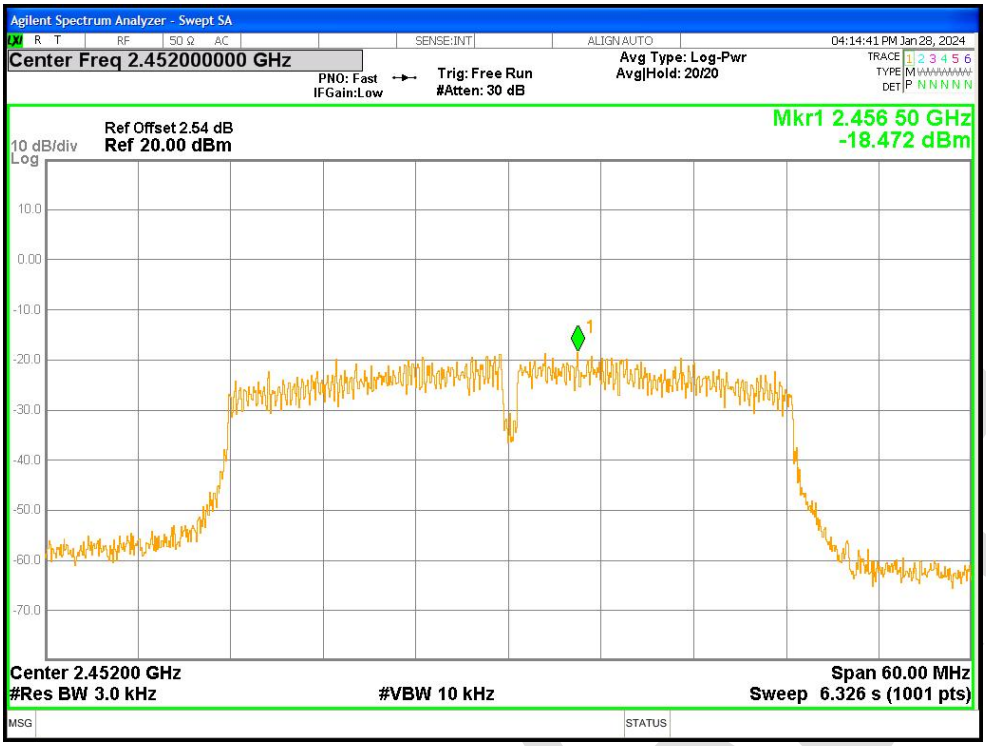

PSD NVNT n40 2422MHz Ant1




PSD NVNT n40 2437MHz Ant1




PSD NVNT n40 2452MHz Ant1

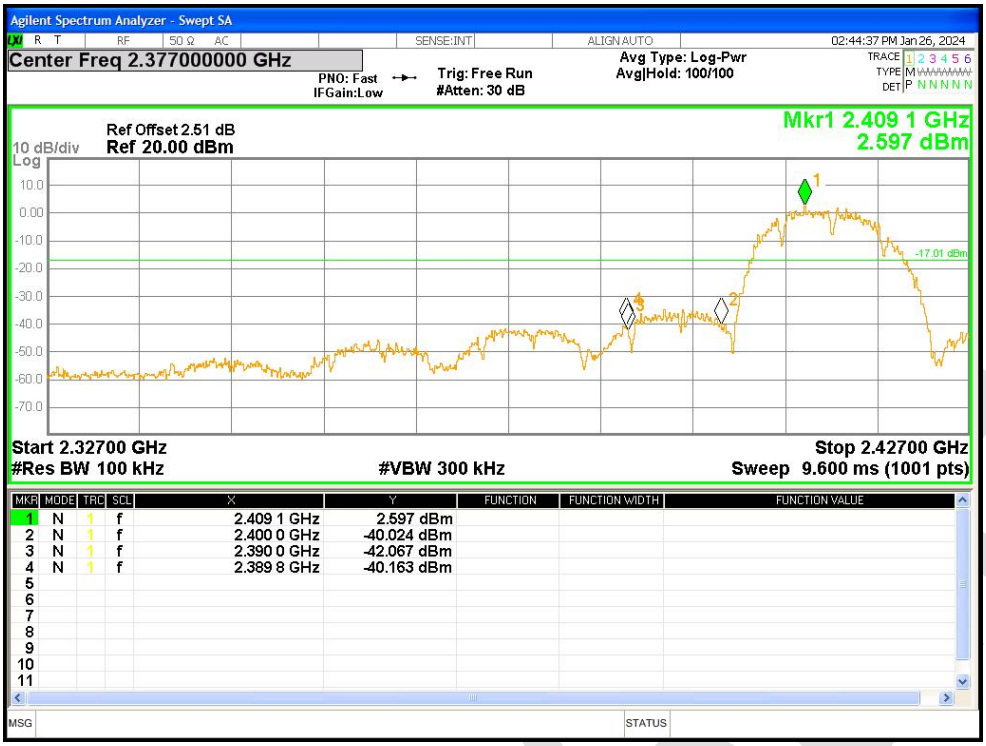

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 20/20
04:14:41 PM Jan 28, 2024
Ref Offset 2.54 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.456 50 GHz
-18.472 dBm
Center 2.45200 GHz
#Res BW 3.0 kHz
#VBW 10 kHz
Span 60.00 MHz
Sweep 6.326 s (1001 pts)

## 20.5 BAND EDGE

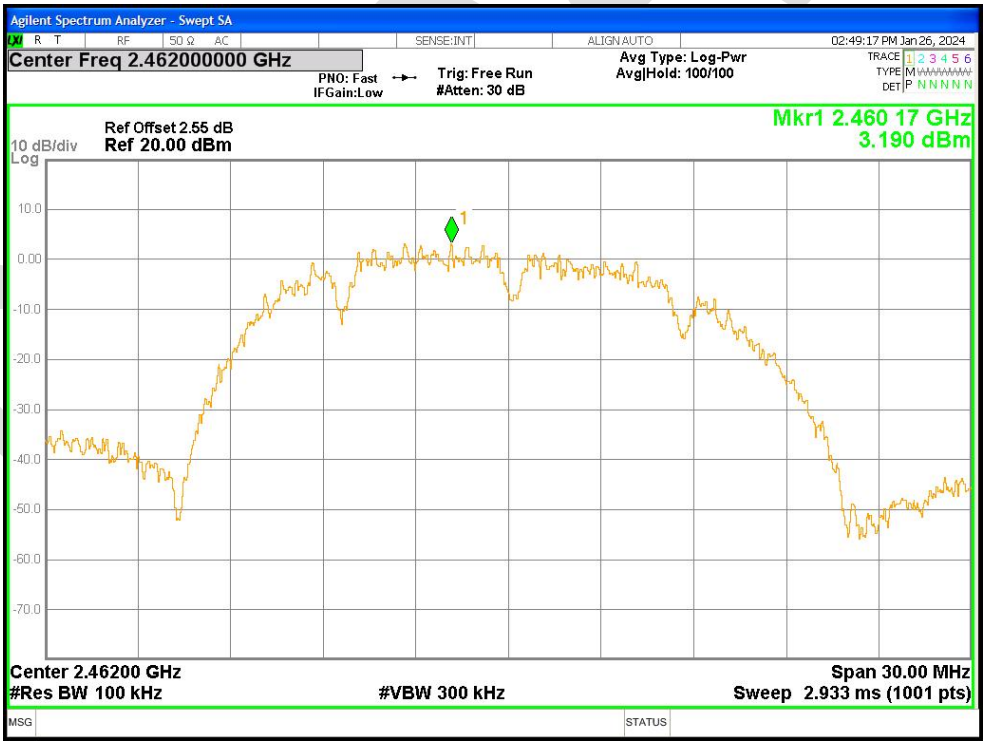
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | -43.15 | -20 | Pass |
| NVNT | b | 2462 | Ant1 | -50.7 | -20 | Pass |
| NVNT | g | 2412 | Ant1 | -37.4 | -20 | Pass |
| NVNT | g | 2462 | Ant1 | -42.77 | -20 | Pass |
| NVNT | n20 | 2412 | Ant1 | -41.04 | -20 | Pass |
| NVNT | n20 | 2462 | Ant1 | -42.12 | -20 | Pass |
| NVNT | n40 | 2422 | Ant1 | -35.32 | -20 | Pass |
| NVNT | n40 | 2452 | Ant1 | -39.03 | -20 | Pass |

Band Edge NVNT b 2412MHz Ant1 Ref

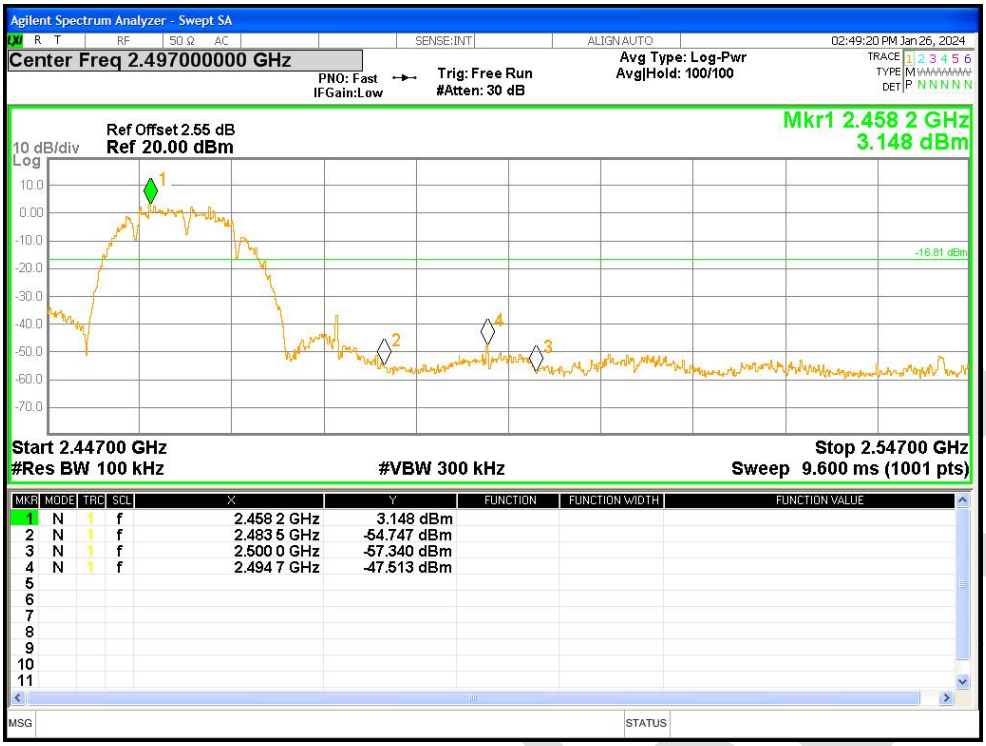
Band Edge NVNT b 2412MHz Ant1 Emission



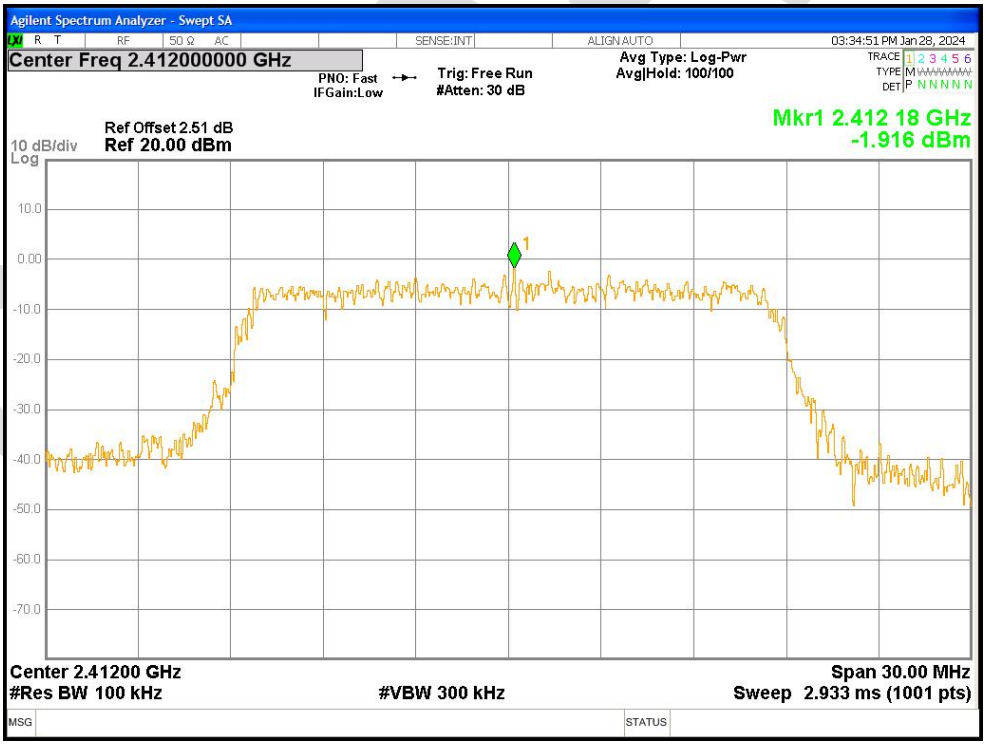

Band Edge NVNT b 2462MHz Ant1 Ref



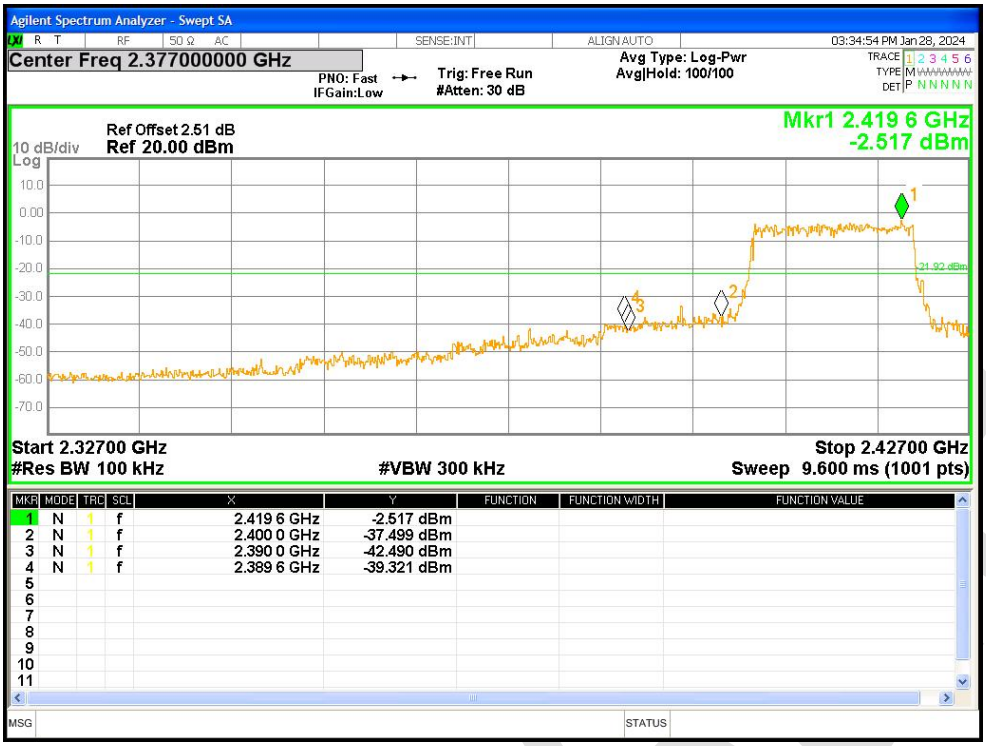

Band Edge NVNT b 2462MHz Ant1 Emission



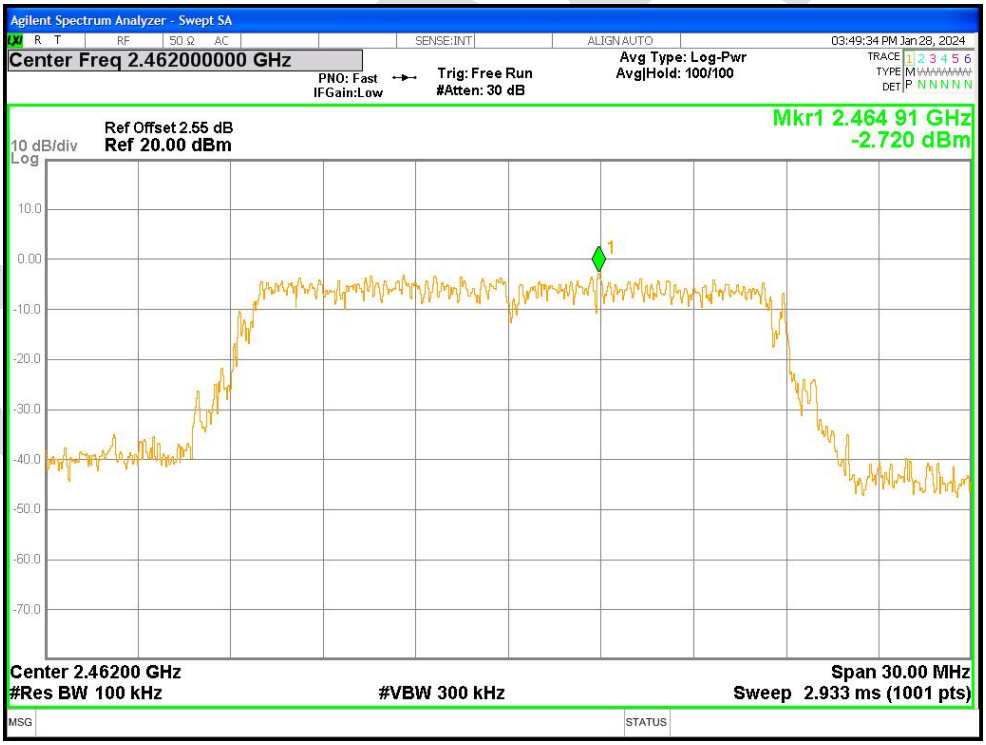

Band Edge NVNT g 2412MHz Ant1 Ref



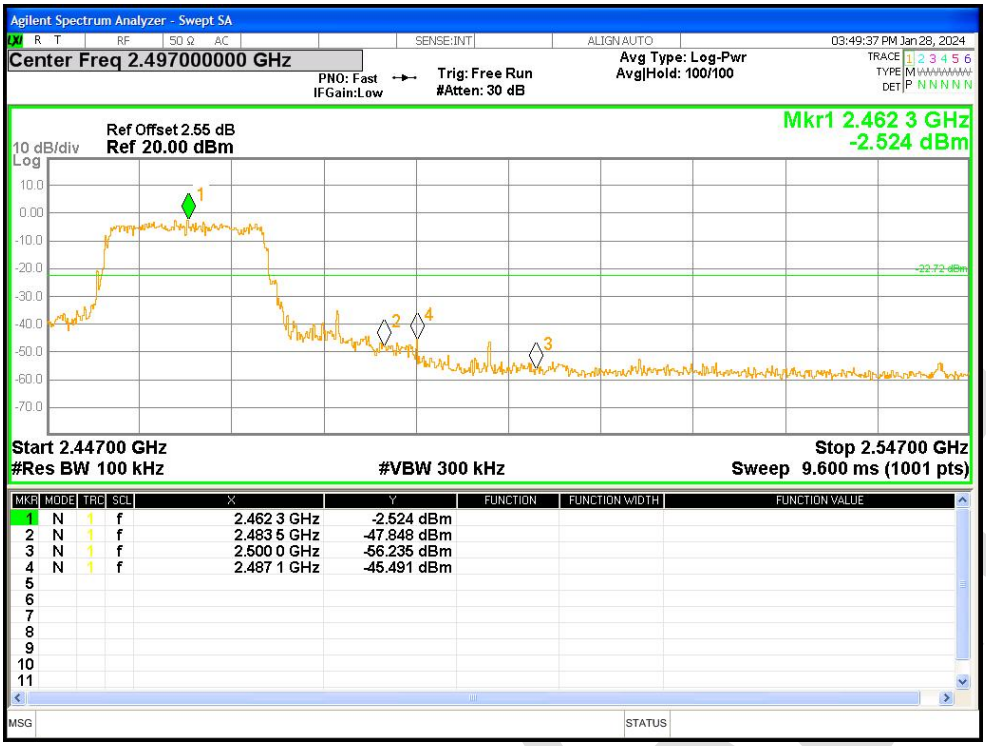

Band Edge NVNT g 2412MHz Ant1 Emission



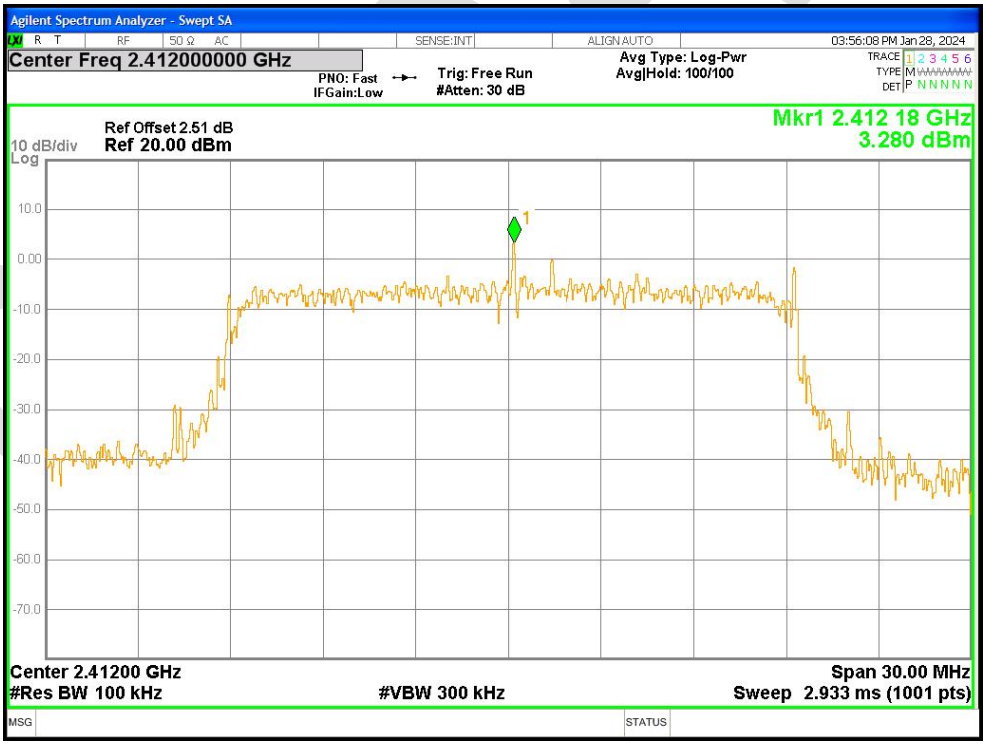

Band Edge NVNT g 2462MHz Ant1 Ref



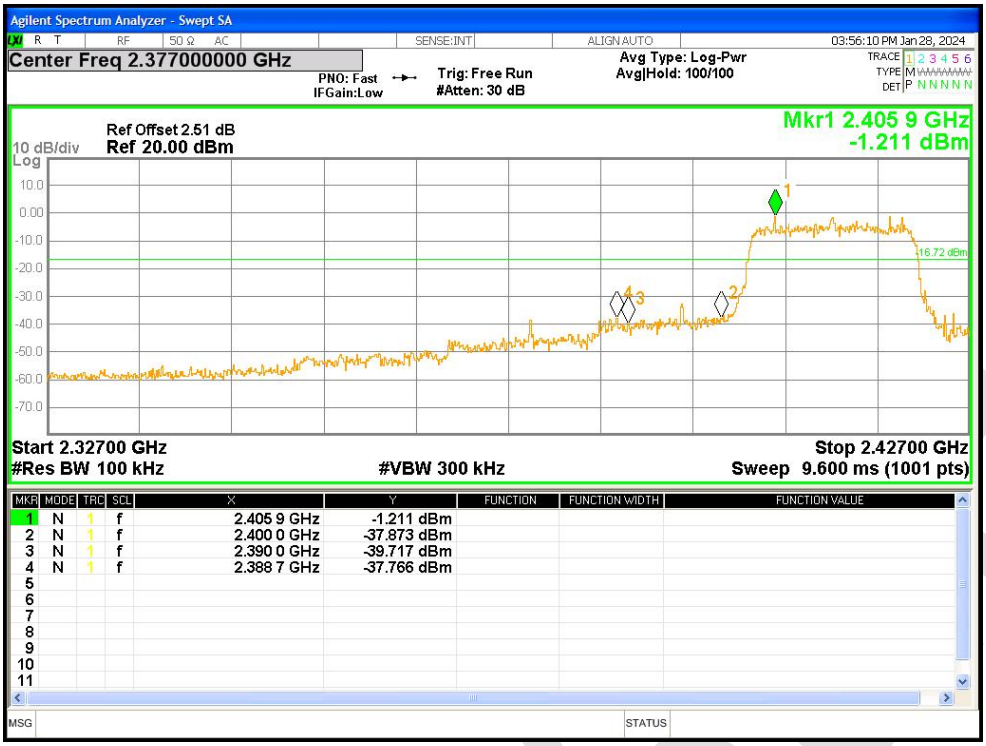

Band Edge NVNT g 2462MHz Ant1 Emission



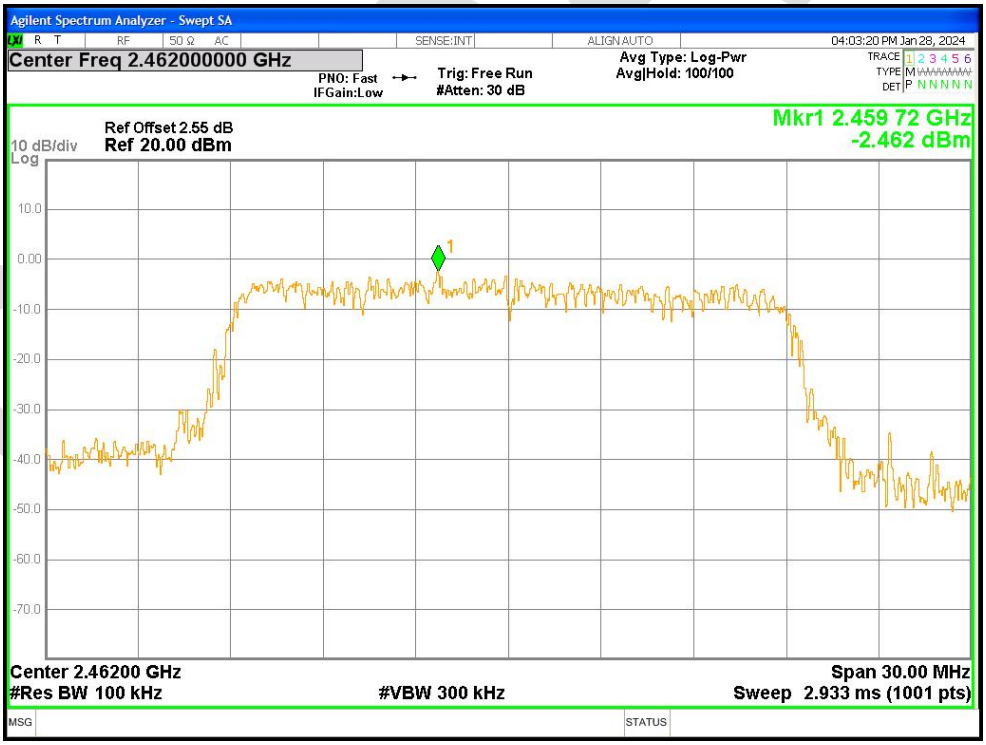

Band Edge NVNT n20 2412MHz Ant1 Ref



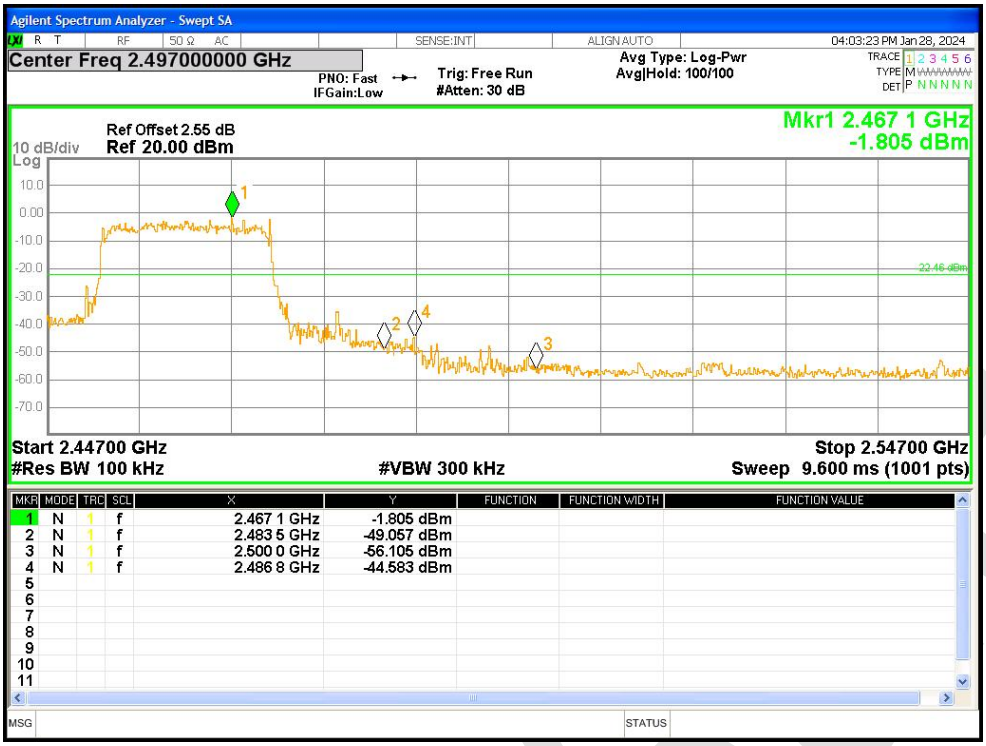

Band Edge NVNT n20 2412MHz Ant1 Emission



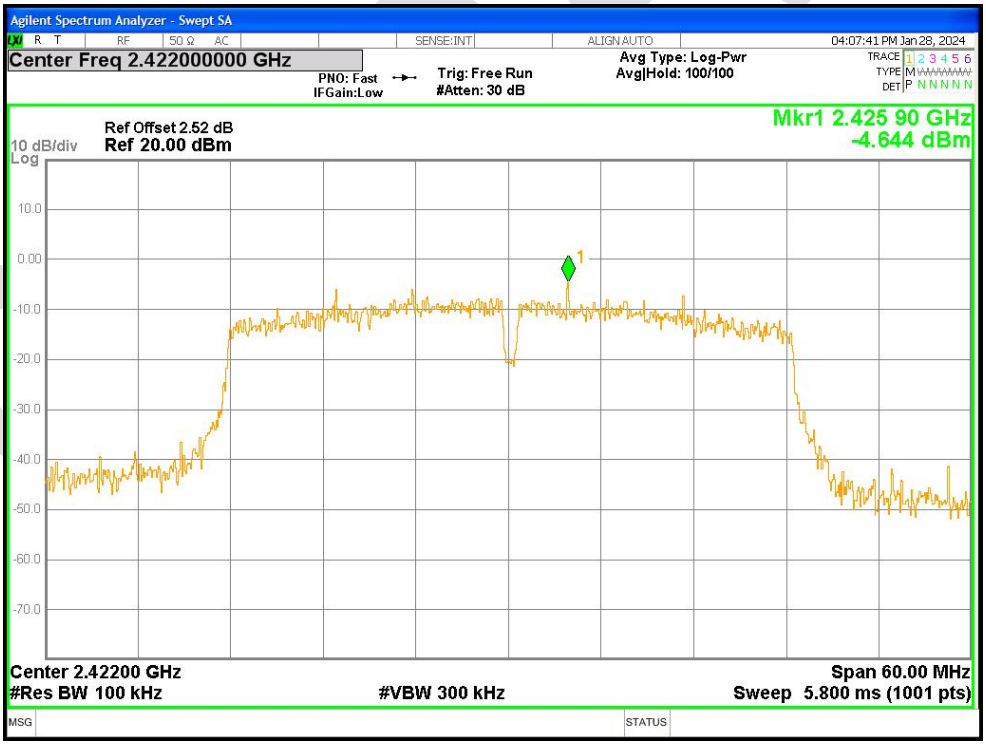

Band Edge NVNT n20 2462MHz Ant1 Ref




Band Edge NVNT n20 2462MHz Ant1 Emission




Band Edge NVNT n40 2422MHz Ant1 Ref




Band Edge NVNT n40 2422MHz Ant1 Emission