

## Appendix A

### RF Test Data for 2.4G (Conducted Measurement)

Product Name: Digital Video Baby Monitor

Trade Mark: N/A

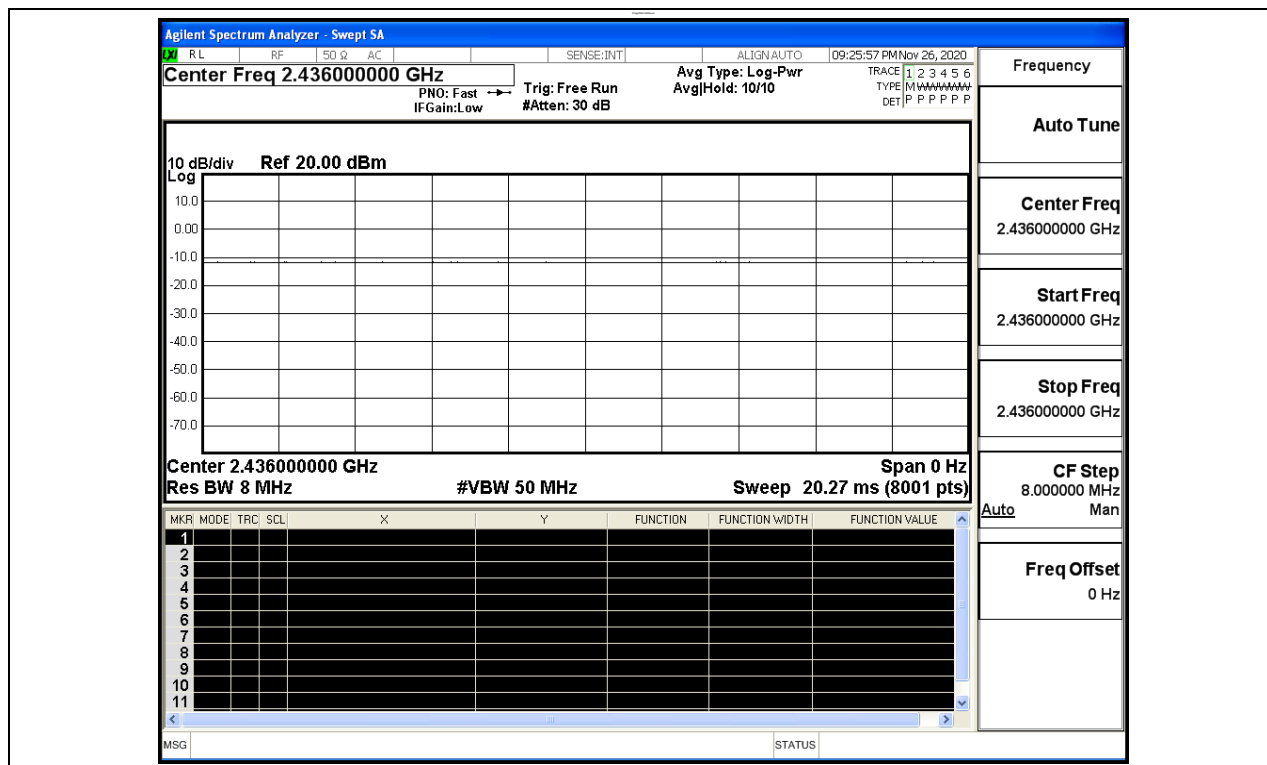
Test Model: VB603-M

#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 22.5 ° C  |
| Relative Humidity: | 53.1%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Carl Fu   |
| Supervised by:     | Li Huan   |

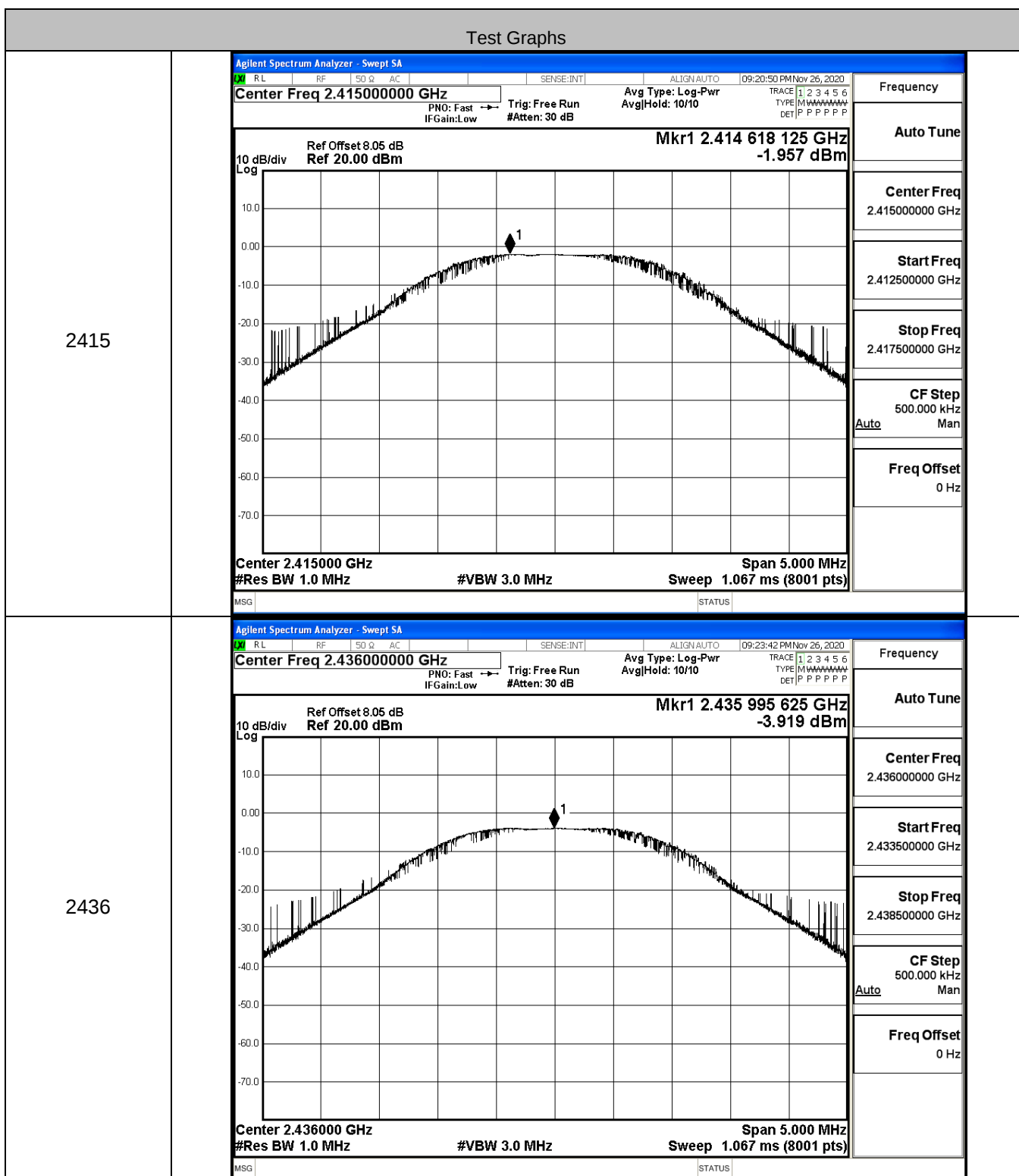
#### A.1 Duty Cycle

| Test Mode | Test Channel | Ant  | Duty Cycle[%] | Verdict |
|-----------|--------------|------|---------------|---------|
| 2.4G      | 2436         | Ant1 | 100           | PASS    |

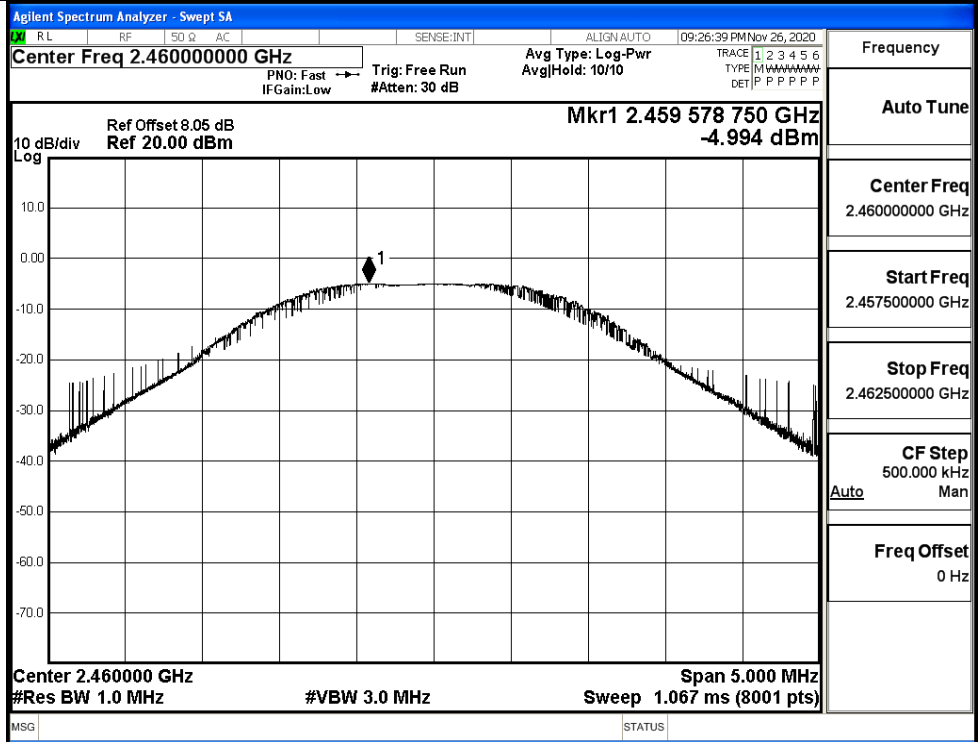


## A.2 Maximum Conducted Peak Output Power

| Mode | Channel | Conduct Peak Power[dBm] | Limit [dBm] | Verdict |
|------|---------|-------------------------|-------------|---------|
| 2.4G | 2415    | -1.957                  | 30          | PASS    |
| 2.4G | 2436    | -3.919                  | 30          | PASS    |
| 2.4G | 2460    | -4.994                  | 30          | PASS    |

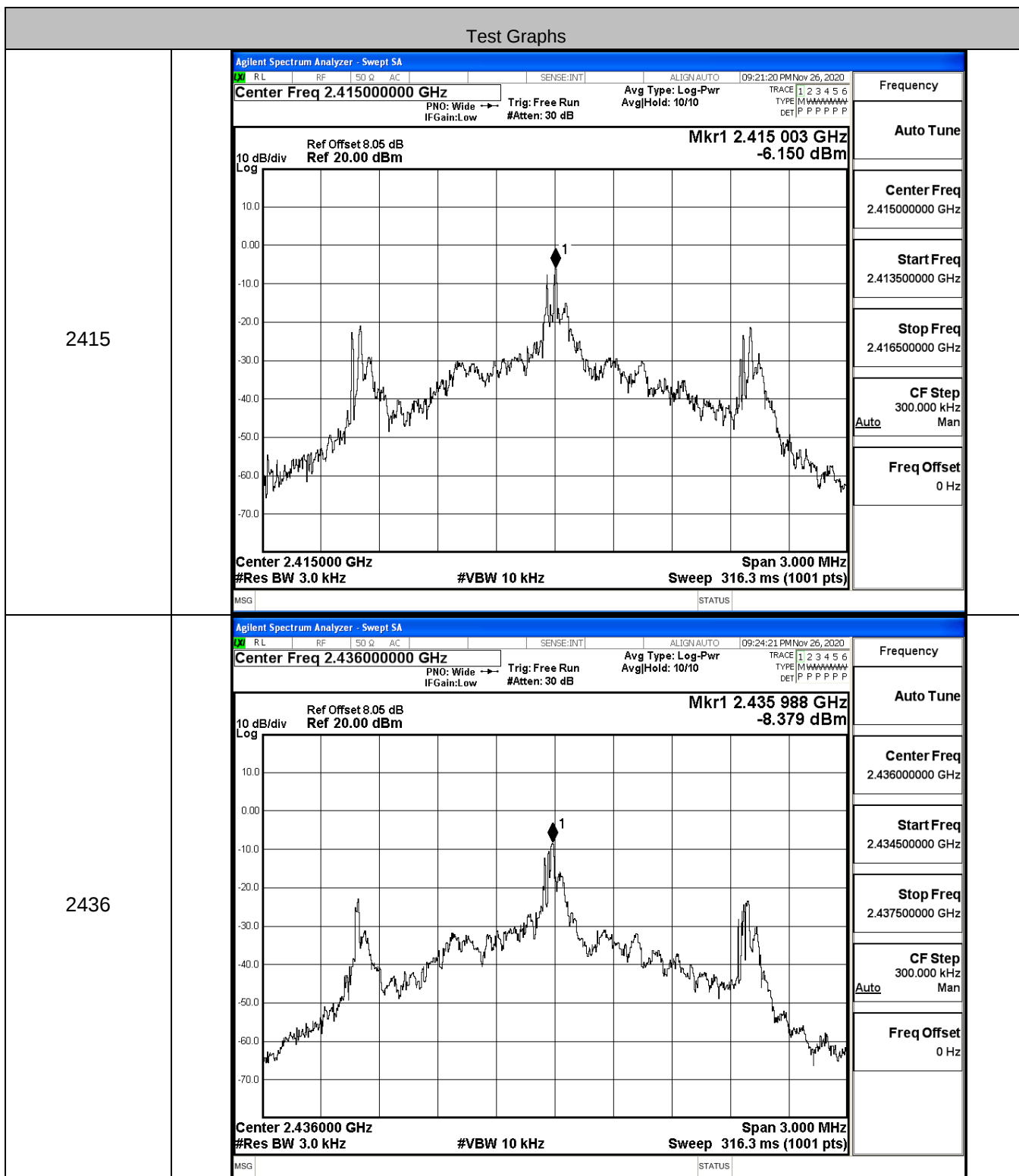


2460



### A.3 Maximum Power Spectral Density

| Mode | Channel | PSD [dBm/3KHz] | Limit [dBm/3KHz] | Verdict |
|------|---------|----------------|------------------|---------|
| 2.4G | 2415    | -6.150         | 8                | PASS    |
| 2.4G | 2436    | -8.379         | 8                | PASS    |
| 2.4G | 2460    | -9.447         | 8                | PASS    |



2460

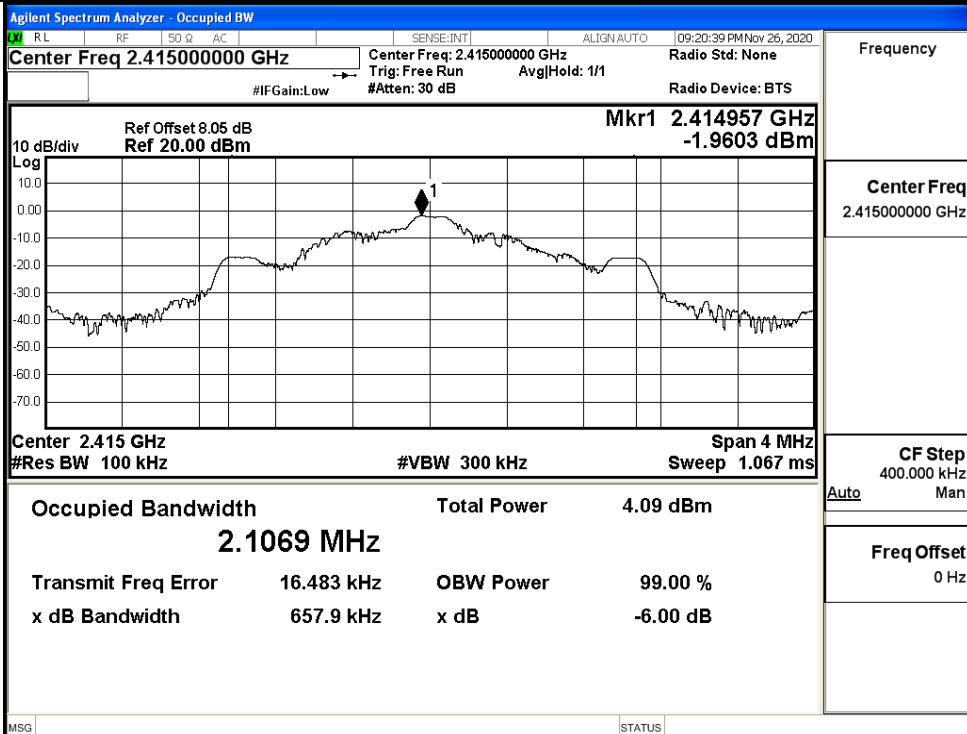


# A.4 6dB Bandwidth

| Mode | Channel | 6dB Bandwidth [MHz] | Limit [MHz] | Verdict |
|------|---------|---------------------|-------------|---------|
| 2.4G | 2415    | 0.6579              | $\geq 0.5$  | PASS    |
| 2.4G | 2436    | 0.6489              | $\geq 0.5$  | PASS    |
| 2.4G | 2460    | 0.7505              | $\geq 0.5$  | PASS    |

## Test Graphs

2415



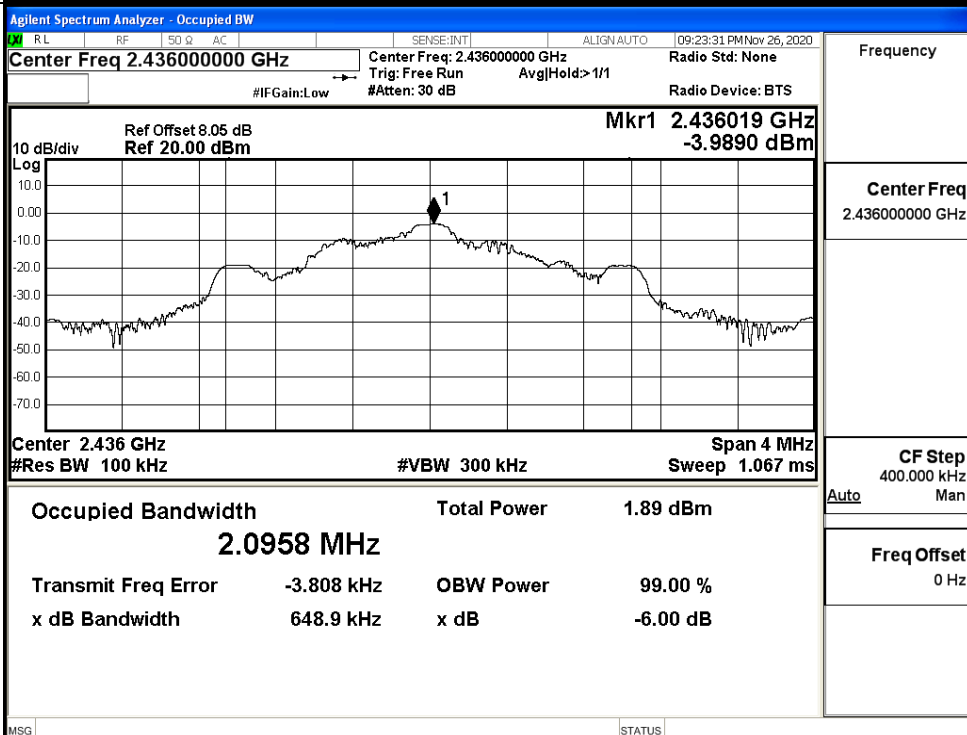
Frequency

Center Freq  
2.415000000 GHz

CF Step  
400.000 kHz  
Auto Man

Freq Offset  
0 Hz

2436



Frequency

Center Freq  
2.436000000 GHz

CF Step  
400.000 kHz  
Auto Man

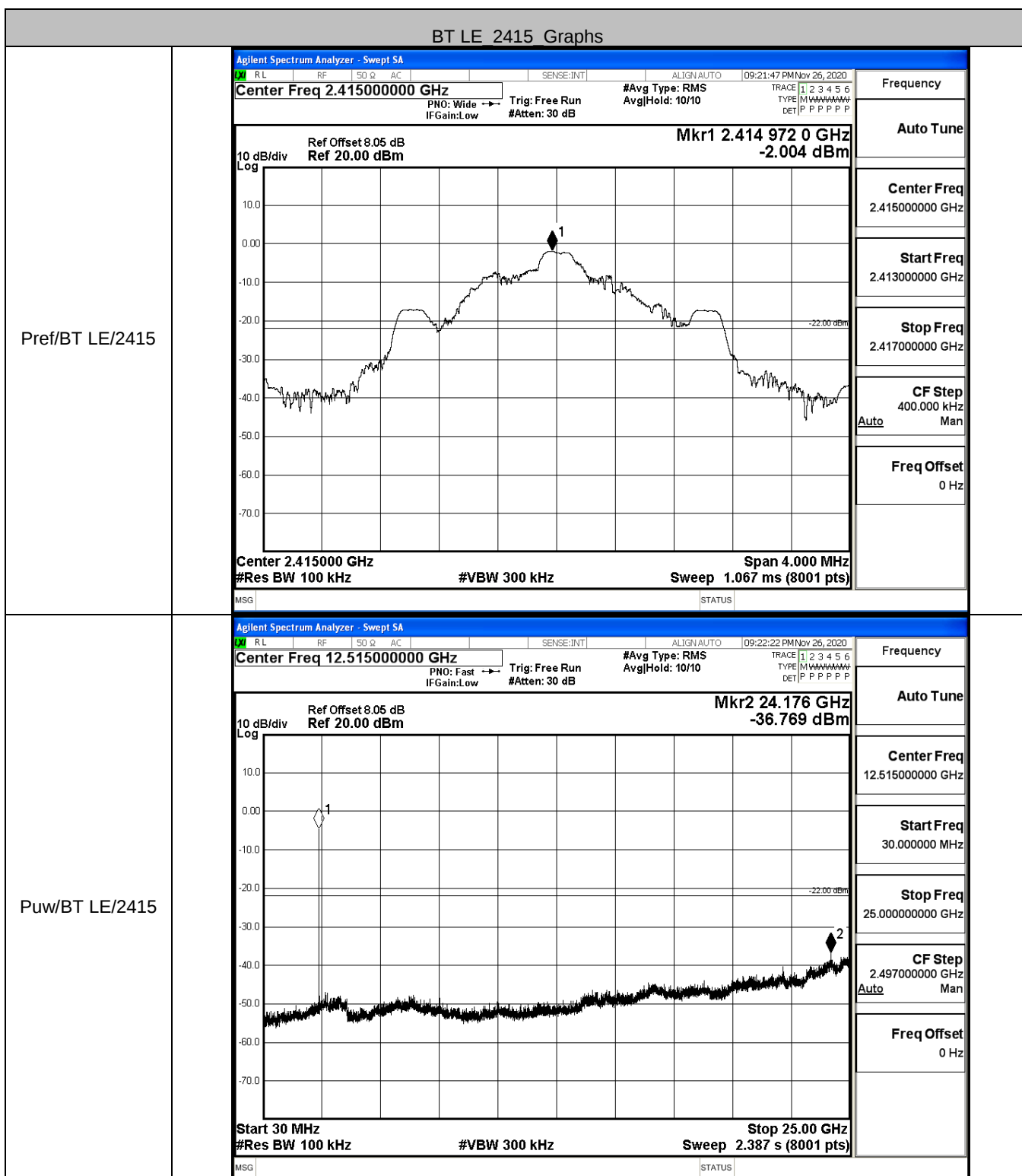
Freq Offset  
0 Hz

2460



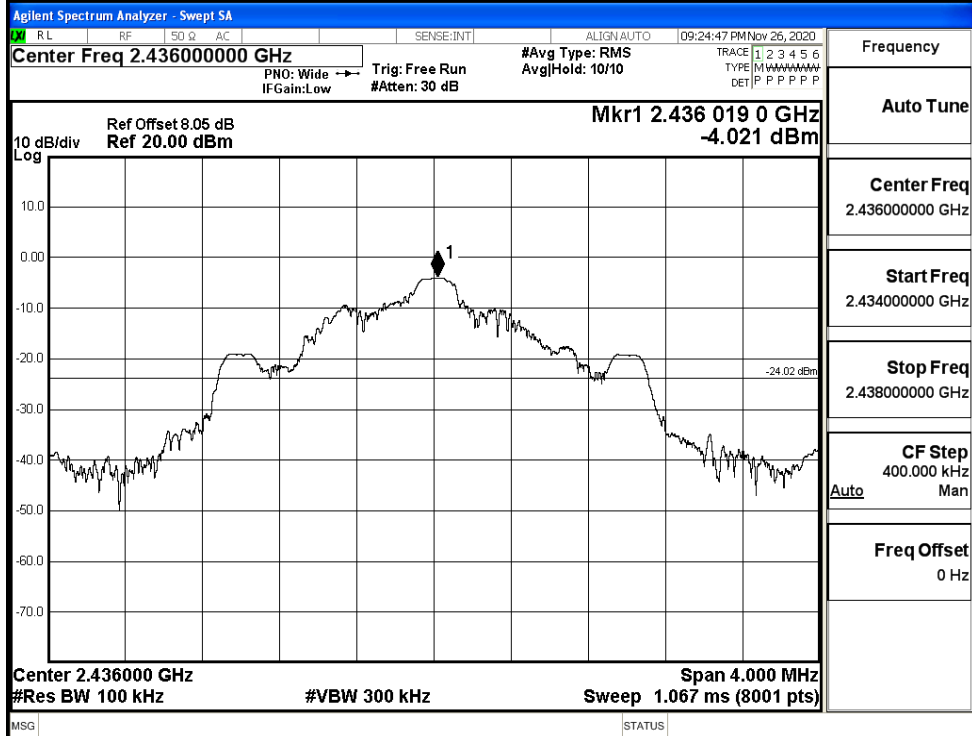
# B.5 RF Conducted Spurious Emissions

| Mode | Channel | Pref [dBm] | Max. Level [dBm] | Limit [dBm] | Verdict |
|------|---------|------------|------------------|-------------|---------|
| 2.4G | 2415    | -2.004     | -36.769          | -22.004     | PASS    |
| 2.4G | 2436    | -4.021     | -36.501          | -24.021     | PASS    |
| 2.4G | 2460    | -5.113     | -36.870          | -25.113     | PASS    |



BT LE 2436 Graphs

Pref/BT LE/2436

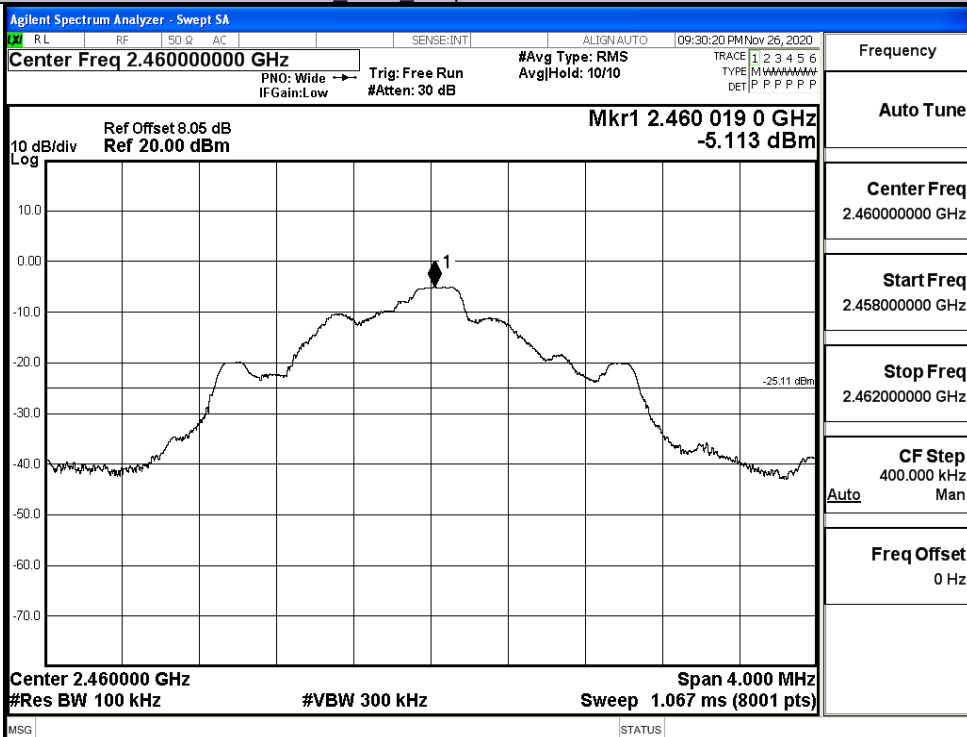


Puw/BT LE/2436



BT LE 2460 Graphs

Pref/BT LE/2460



Puw/BT LE/2460

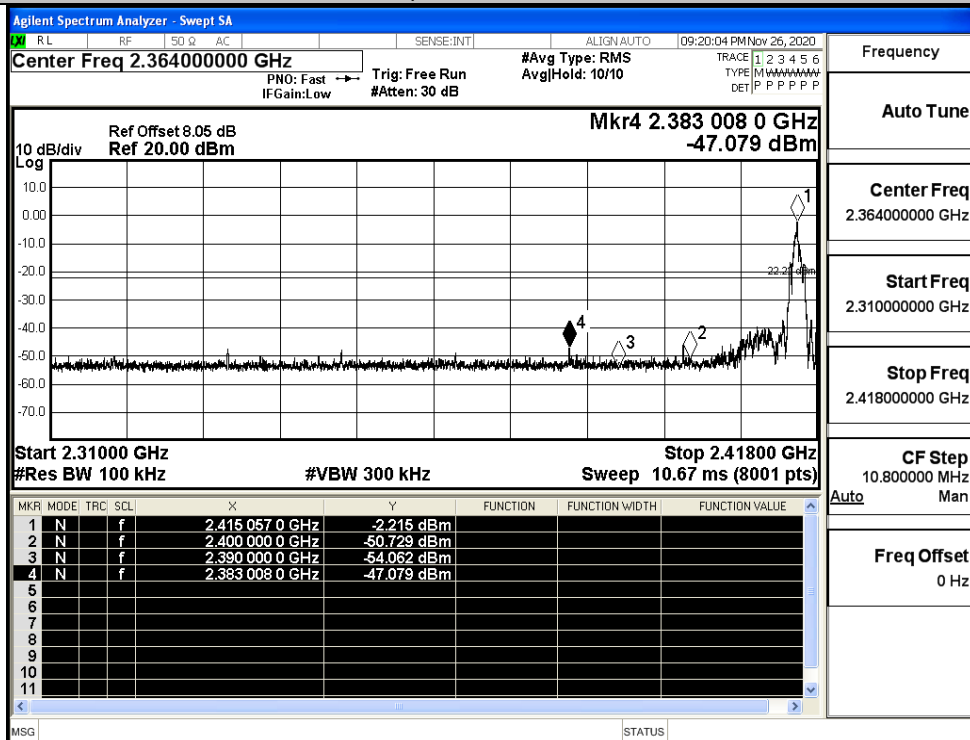


## A.6 Band-edge for RF Conducted Emissions

| Mode | Channel | Carrier Power[dBm] | Max.Spurious Level [dBm] | Limit [dBm] | Verdict |
|------|---------|--------------------|--------------------------|-------------|---------|
| 2.4G | LCH     | -2.215             | -47.079                  | -22.22      | PASS    |
| 2.4G | HCH     | -5.219             | -49.178                  | -25.22      | PASS    |

Test Graphs

LCH

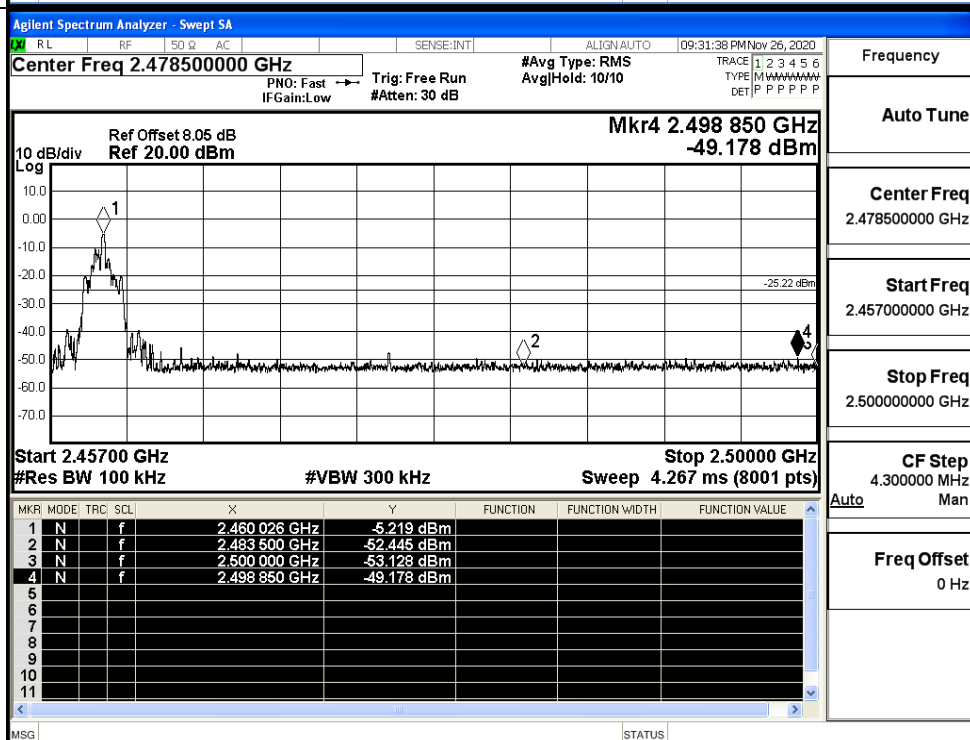


Frequency

Auto Tune

Center Freq  
2.36400000 GHzStart Freq  
2.31000000 GHzStop Freq  
2.41800000 GHzCF Step  
10.800000 MHz  
Auto ManFreq Offset  
0 Hz

HCH



Frequency

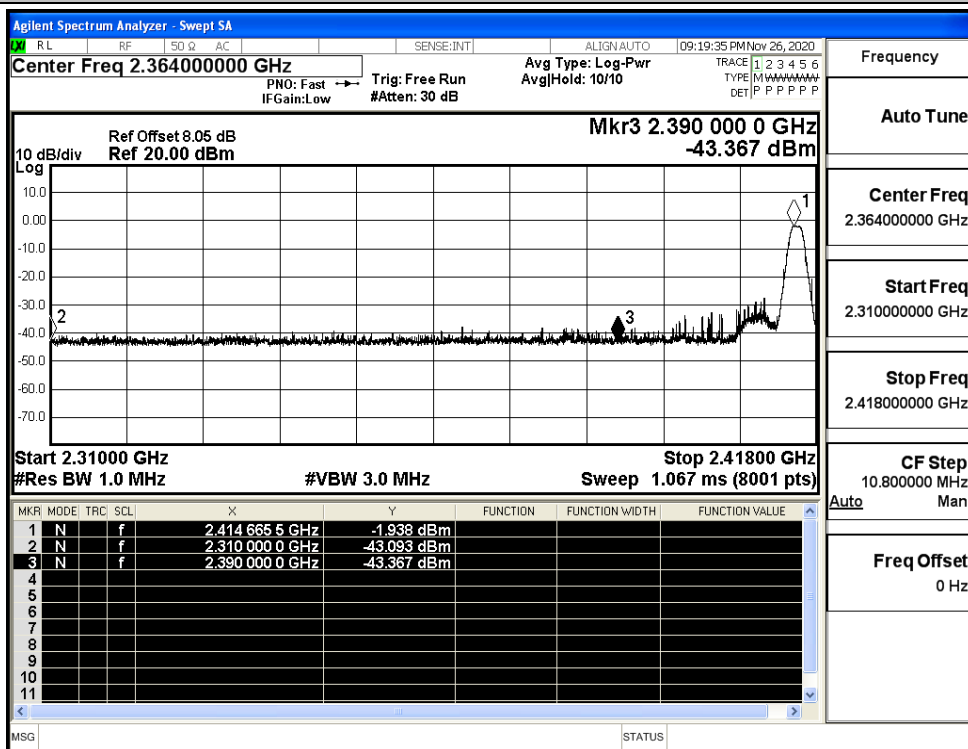
Auto Tune

Center Freq  
2.47850000 GHzStart Freq  
2.45700000 GHzStop Freq  
2.50000000 GHzCF Step  
4.300000 MHz  
Auto ManFreq Offset  
0 Hz

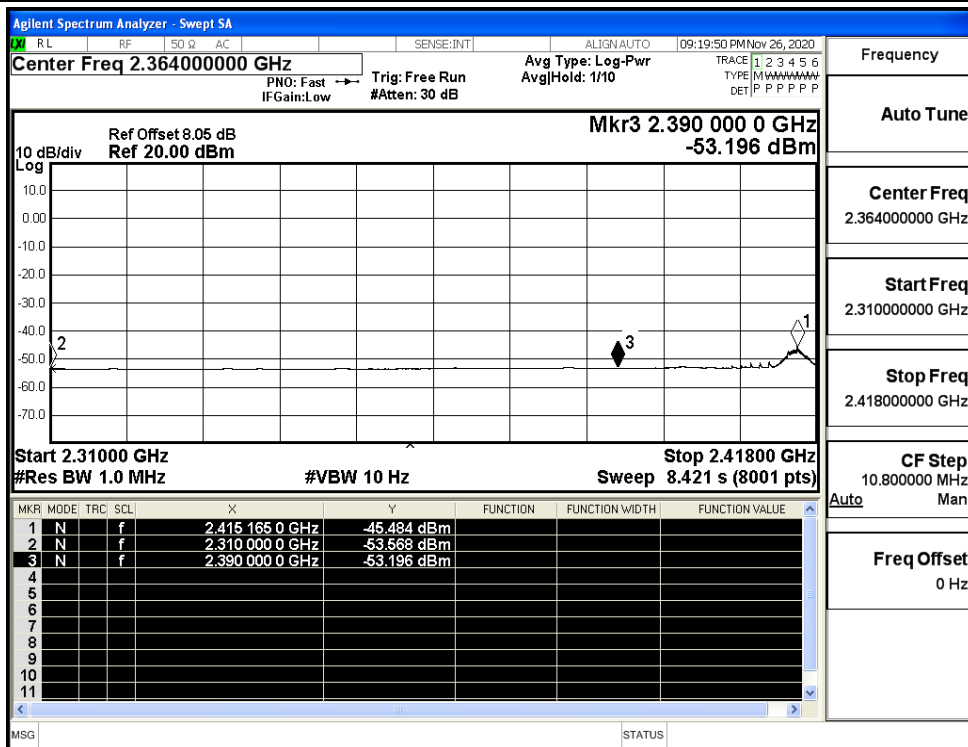
## A.7 Restrict-band band-edge measurements

| Test Mode | Test Channel | Ant  | Freq.  | Power [dBm] | Gain | Ground Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdi |
|-----------|--------------|------|--------|-------------|------|---------------|------------|----------|----------------|-------|
| 2.4G      | 2402         | Ant1 | 2310.0 | -43.09      | 2.0  | 0             | 52.16      | PEAK     | 74             | PASS  |
|           |              | Ant1 | 2310.0 | -53.57      | 2.0  | 0             | 41.69      | AV       | 54             | PASS  |
|           |              | Ant1 | 2390.0 | -43.37      | 2.0  | 0             | 51.89      | PEAK     | 74             | PASS  |
|           |              | Ant1 | 2390.0 | -53.20      | 2.0  | 0             | 42.06      | AV       | 54             | PASS  |
|           | 2480         | Ant1 | 2483.5 | -41.19      | 2.0  | 0             | 54.07      | PEAK     | 74             | PASS  |
|           |              | Ant1 | 2483.5 | -52.88      | 2.0  | 0             | 42.38      | AV       | 54             | PASS  |
|           |              | Ant1 | 2500.0 | -42.28      | 2.0  | 0             | 52.98      | PEAK     | 74             | PASS  |
|           |              | Ant1 | 2500.0 | -52.61      | 2.0  | 0             | 42.65      | AV       | 54             | PASS  |

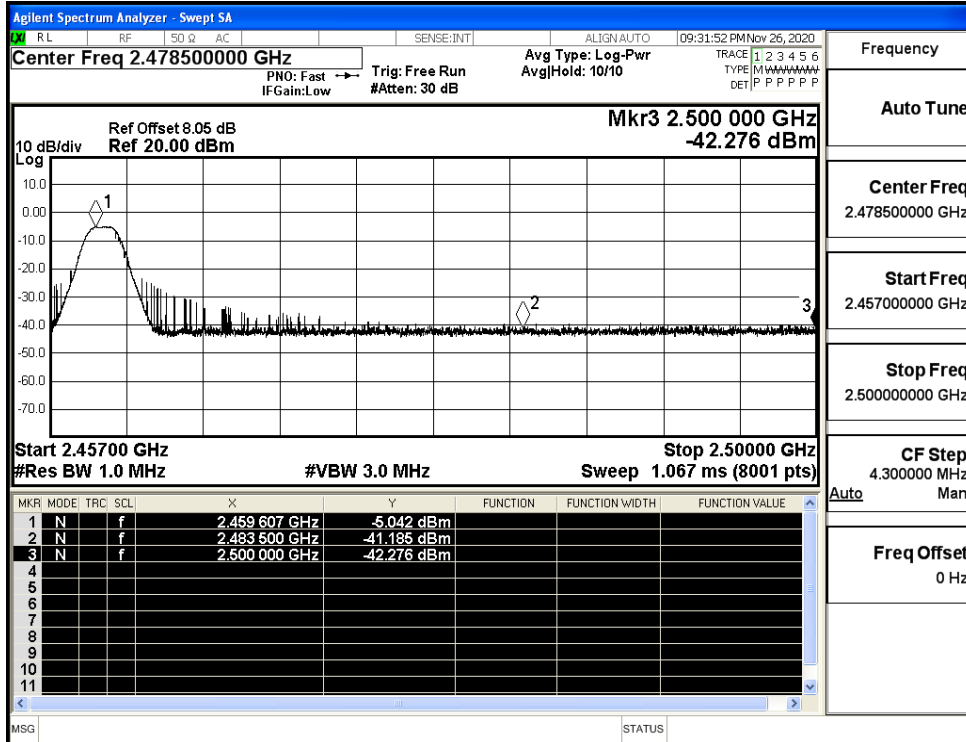
Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_PEAK



Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_AV



Restrict-band band-edge measurements\_BT LE\_2480\_Ant1\_PEAK



Restrict-band band-edge measurements\_BT LE\_2480\_Ant1\_AV

