

## Appendix A

### RF Test Data for BT(BLE) (Conducted Measurement)

Product Name: BOHA!™ tablet

Trade Mark: BOHA!™

Test Model: 10 inch Tablet PC

FCC ID: 2ASX3-BOHA

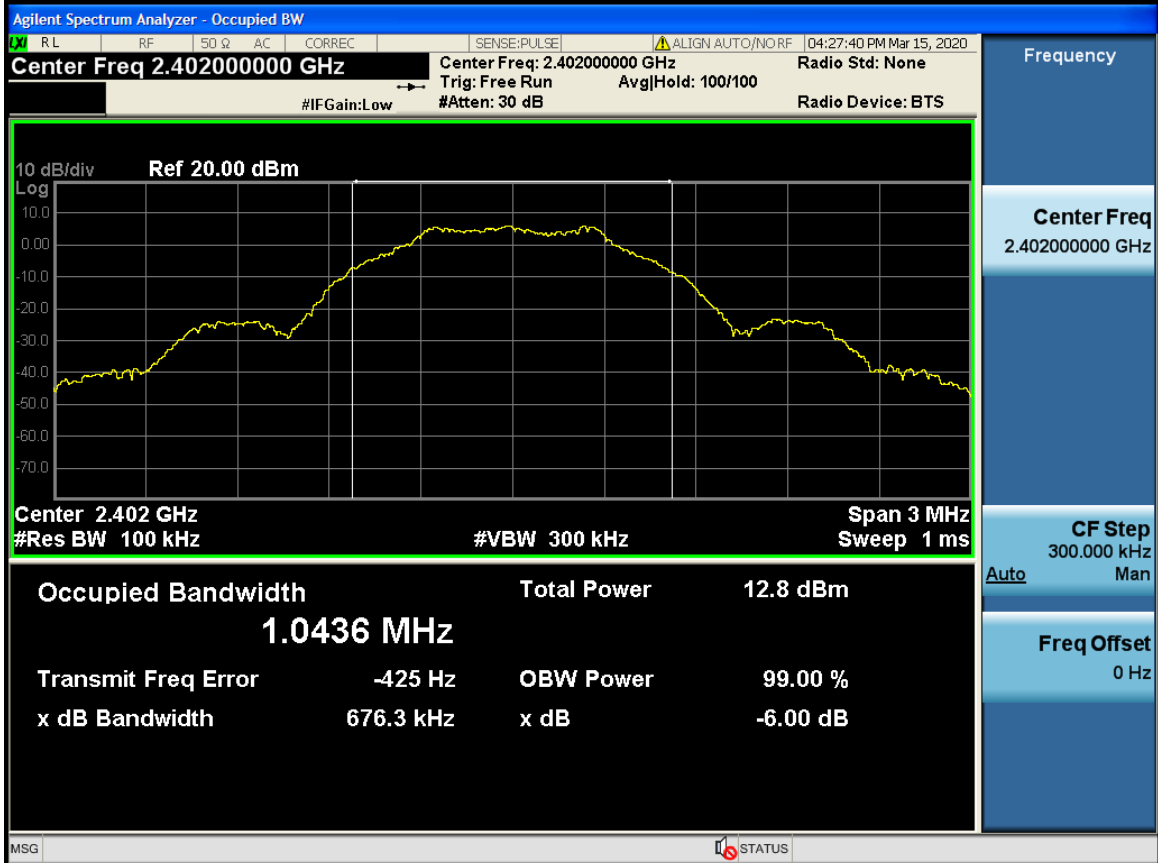
### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 22.8° C   |
| Relative Humidity: | 60%       |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Anna Hu   |
| Supervised by:     | Hugo Chen |
| NOTE               | N/A       |

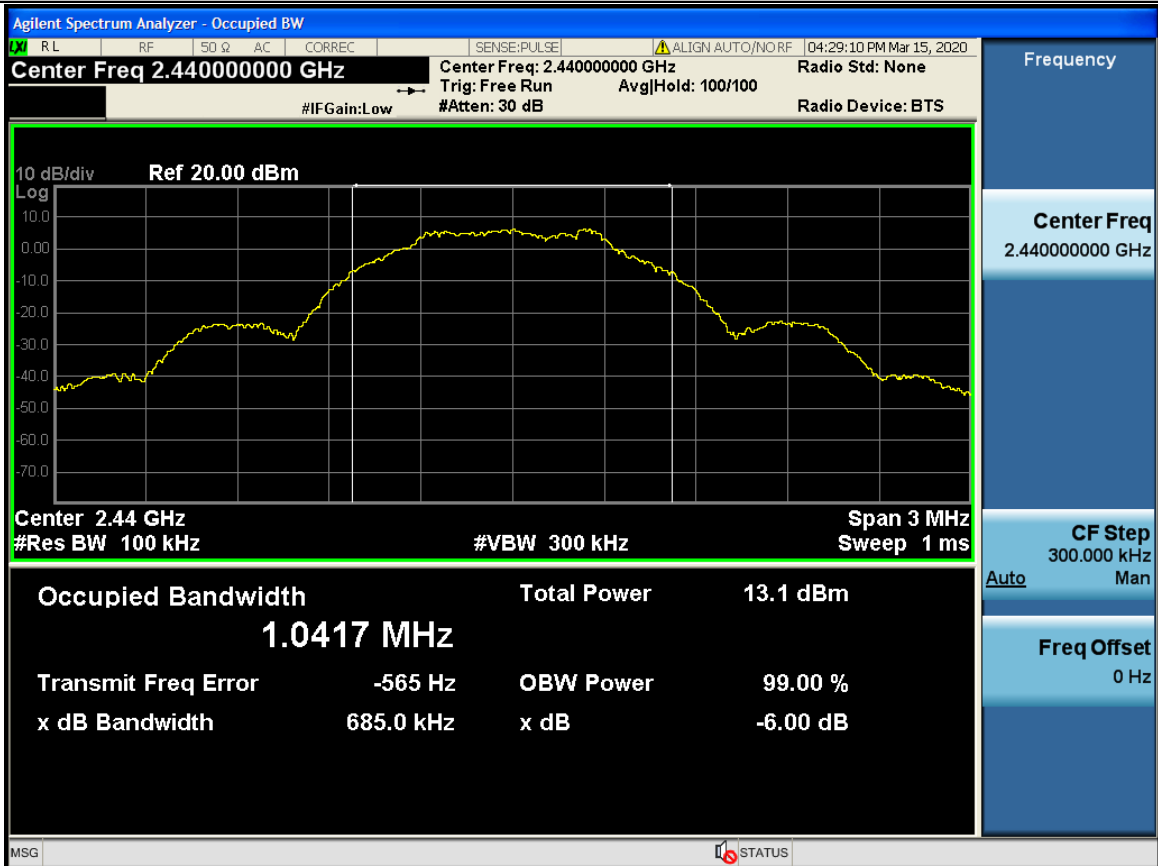
#### A.1. 6dB Bandwidth

| Test Mode | Test Channel | Ant  | EBW[MHz] | Limit | Verdict |
|-----------|--------------|------|----------|-------|---------|
| BLE       | 2402         | Ant1 | 0.676    | 0.5   | PASS    |
| BLE       | 2440         | Ant1 | 0.685    | 0.5   | PASS    |
| BLE       | 2480         | Ant1 | 0.683    | 0.5   | PASS    |

## 6dB Bandwidth\_BLE\_2402\_Ant1



## 6dB Bandwidth\_BLE\_2440\_Ant1





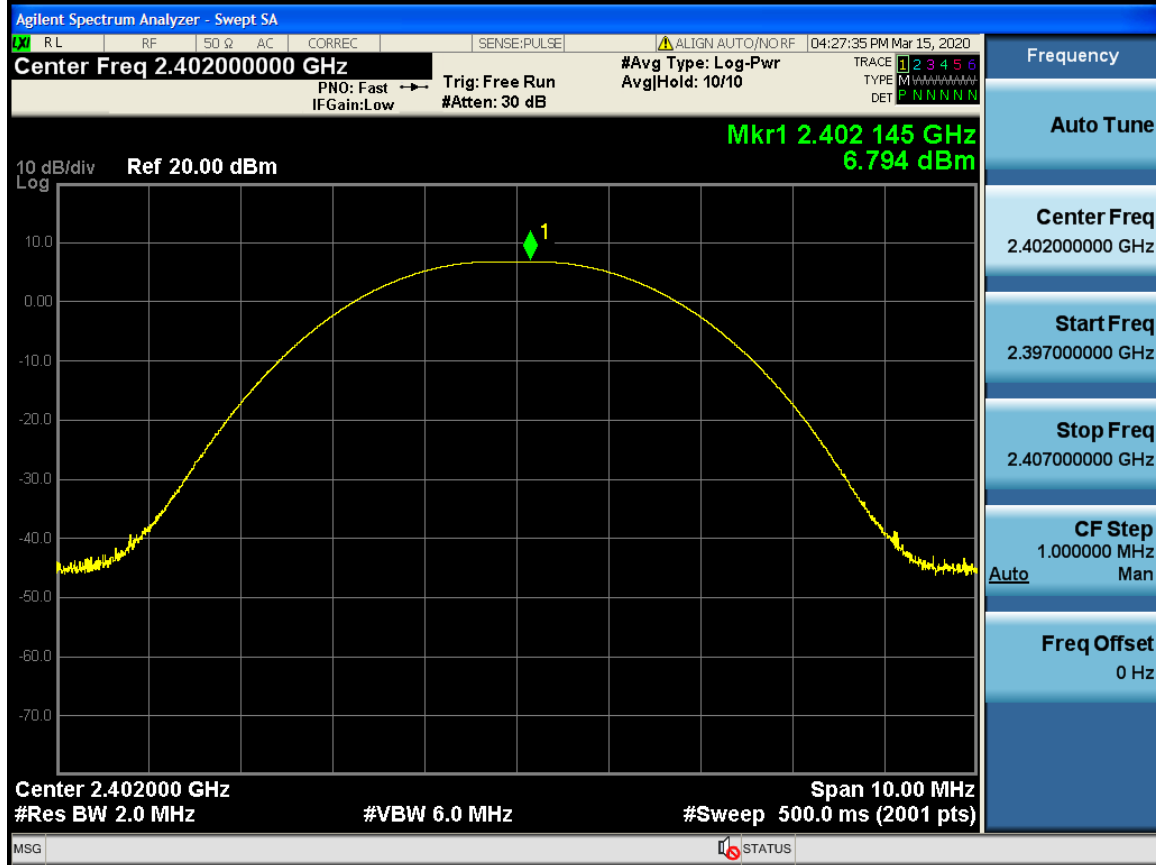
**A.2. Occupied Bandwidth**

| Test Mode | Test Channel | Ant | OBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|-----|----------|------------|---------|
|-----------|--------------|-----|----------|------------|---------|

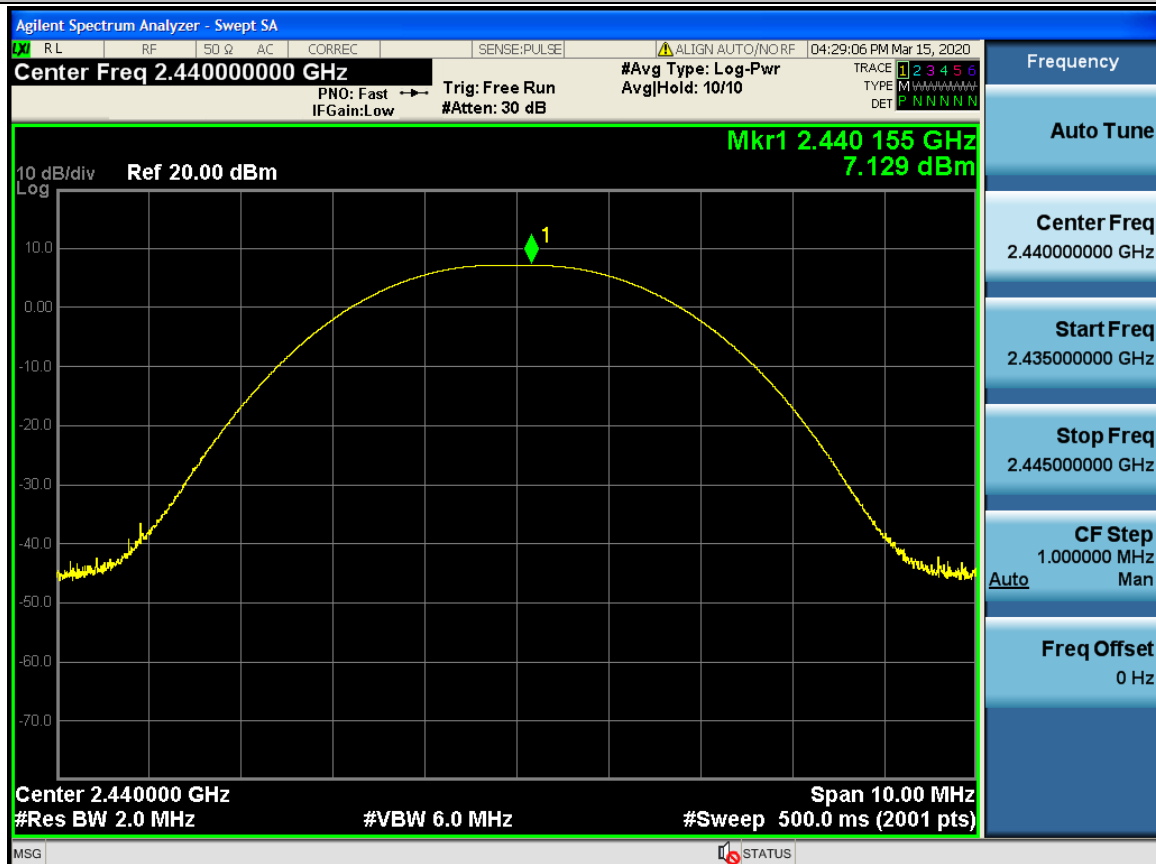
**A.3. Maximum peak conducted output power**

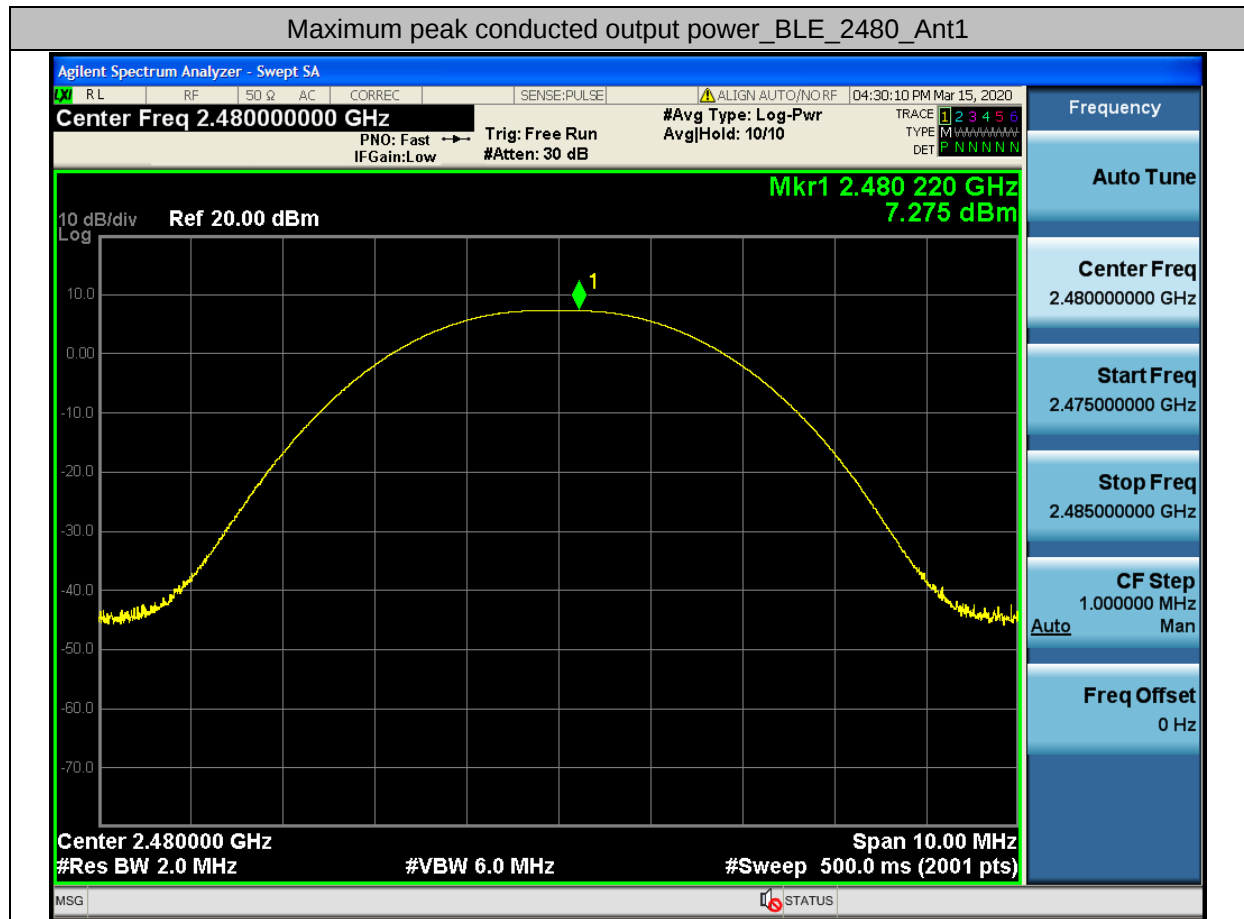
| Test Mode | Test | Ant  | Power[dBm] | Limit[dBm] | Verdict |
|-----------|------|------|------------|------------|---------|
| BLE       | 2402 | Ant1 | 6.794      | 30         | PASS    |
| BLE       | 2440 | Ant1 | 7.129      | 30         | PASS    |
| BLE       | 2480 | Ant1 | 7.275      | 30         | PASS    |

## Maximum peak conducted output power\_BLE\_2402\_Ant1



## Maximum peak conducted output power\_BLE\_2440\_Ant1

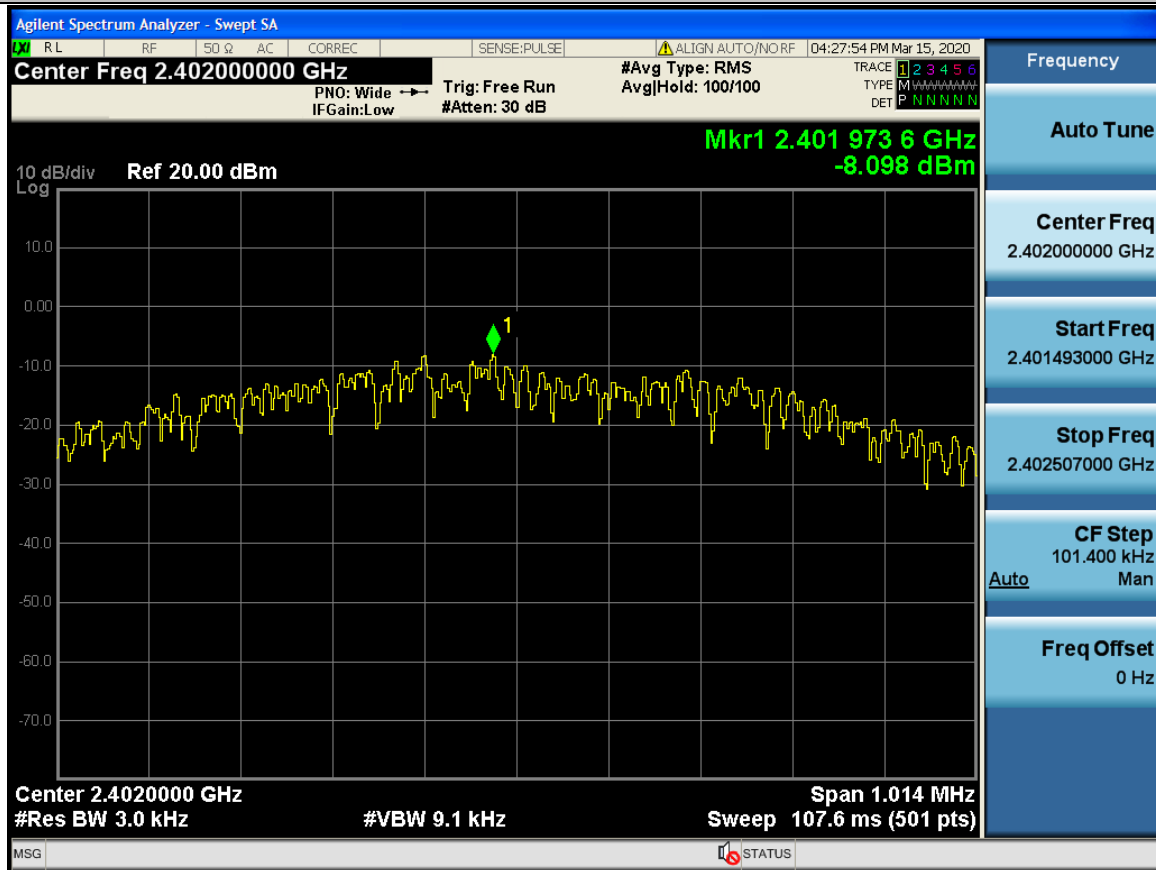




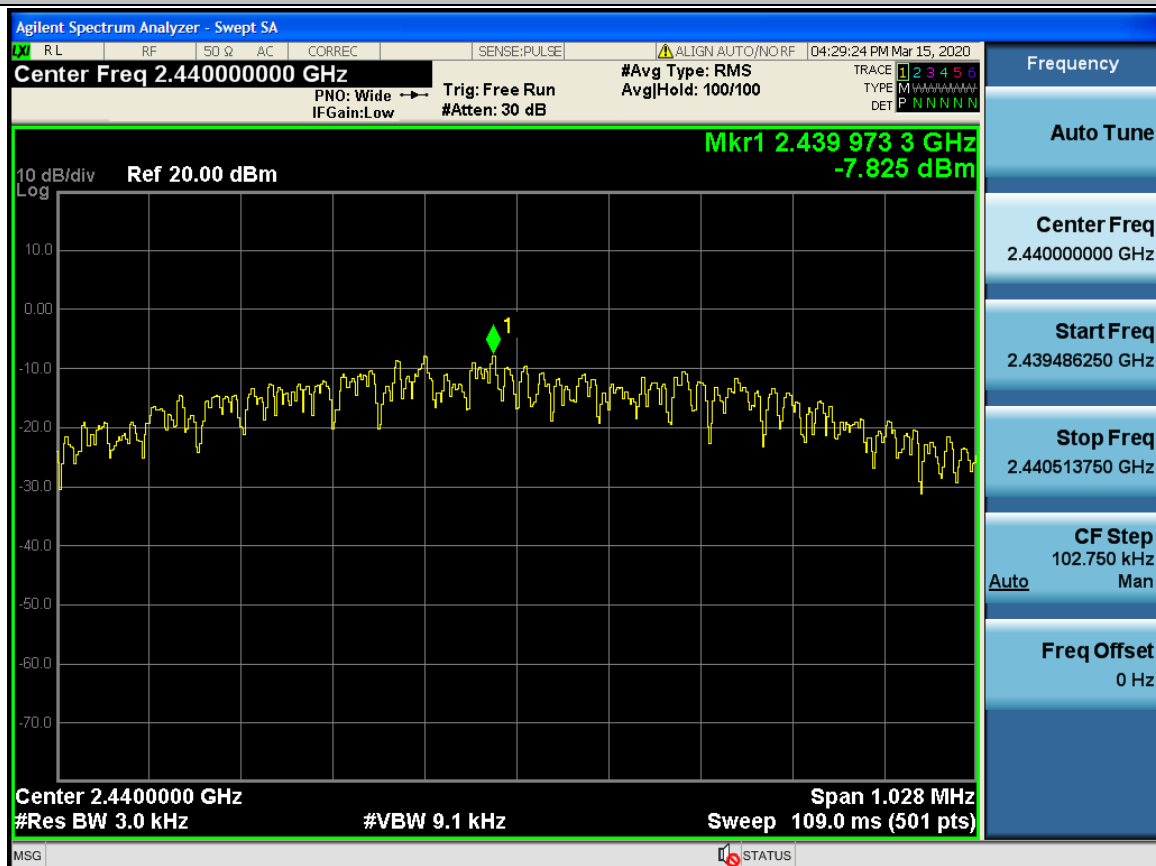
A.4. Maximum Peak power spectral density

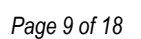
| Test | Test | Ant  | PSD[dBm/3KHz] | Limit[dBm/3KHz] | Verdict |
|------|------|------|---------------|-----------------|---------|
| BLE  | 2402 | Ant1 | -8.098        | 8.00            | PASS    |
| BLE  | 2440 | Ant1 | -7.825        | 8.00            | PASS    |
| BLE  | 2480 | Ant1 | -7.687        | 8.00            | PASS    |

## Maximum Peak power spectral density\_BLE\_2402\_Ant1



## Maximum Peak power spectral density\_BLE\_2440\_Ant1

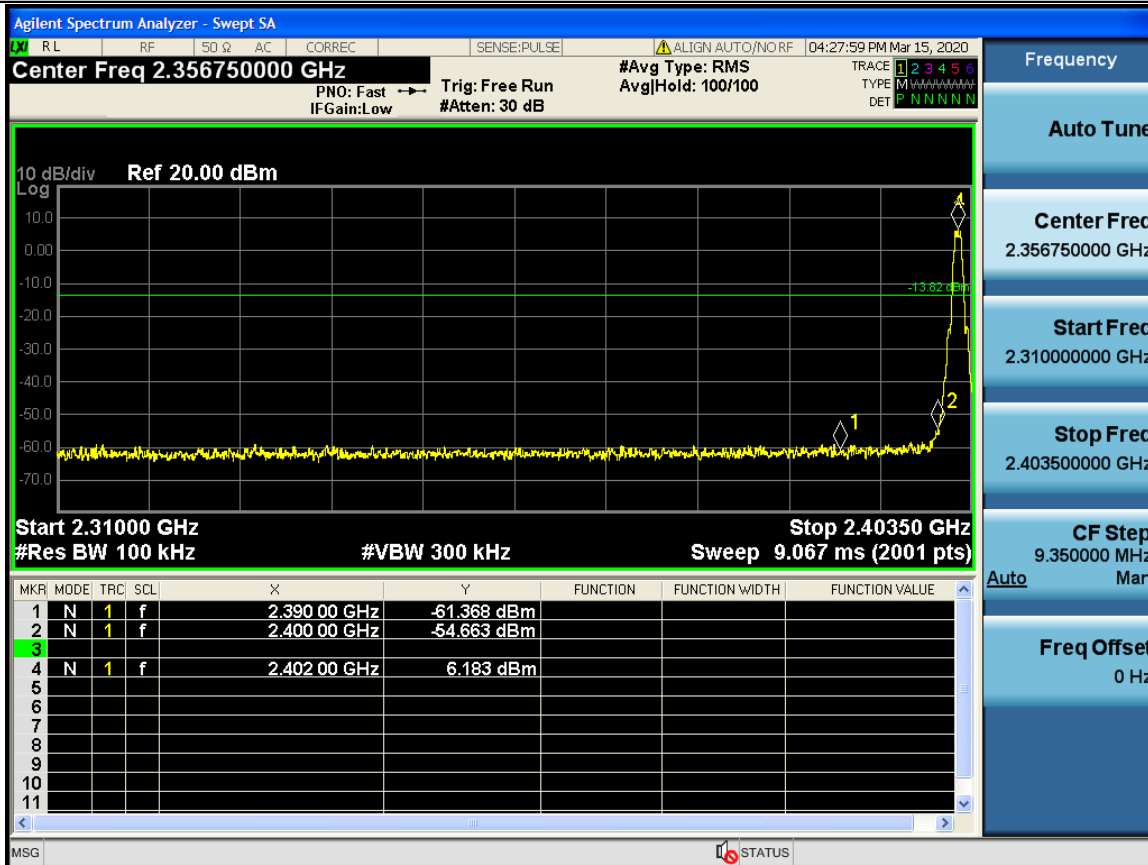




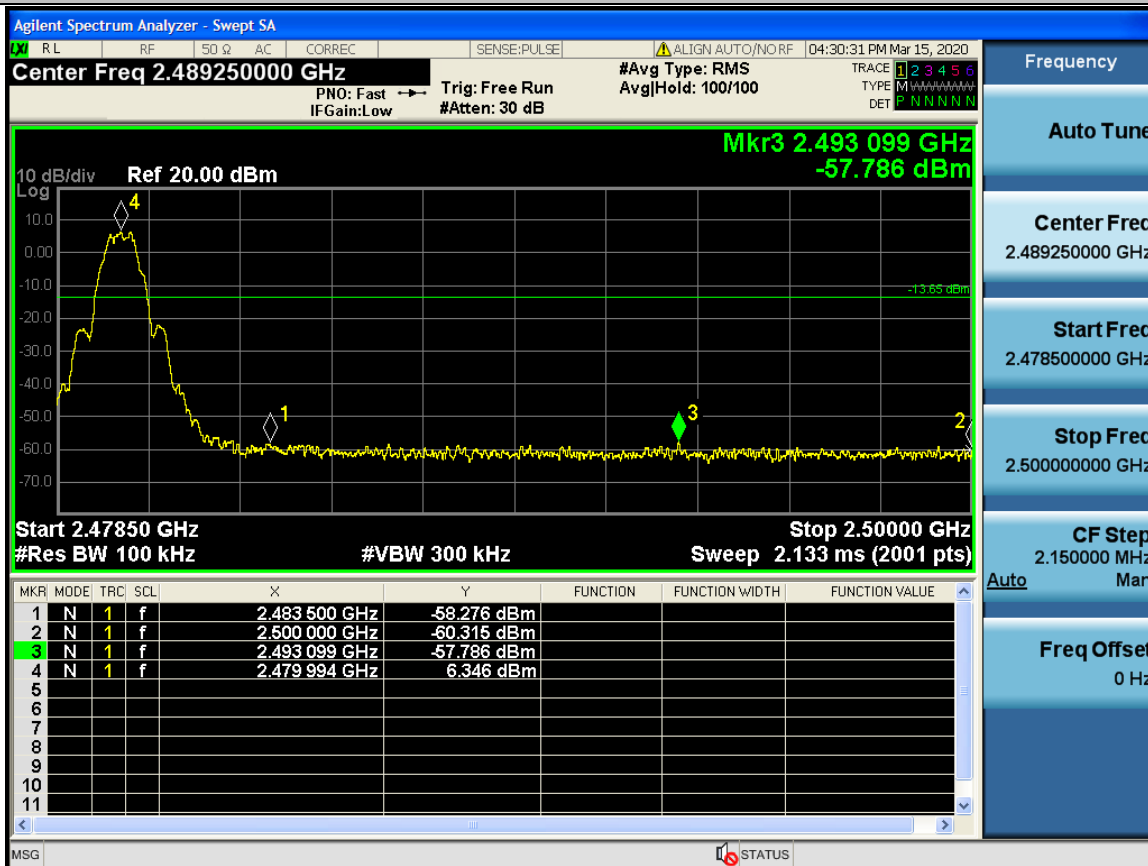
**A.5. Band-edge for RF Conducted Emissions**

| Type | Carrier<br>Frequency(MHz) | Frequency(MHz) | Carrier<br>Frequency<br>Power<br>[dBm] | Bandedge<br>Peak(dBm) | Upper<br>limit(dBm) | Conclusion |
|------|---------------------------|----------------|----------------------------------------|-----------------------|---------------------|------------|
| BLE  | 2402                      | 2400           | 6.183                                  | -54.66                | -13.817             | Pass       |
| BLE  | 2480                      | 2493.0985      | 6.346                                  | -57.786               | -13.654             | Pass       |

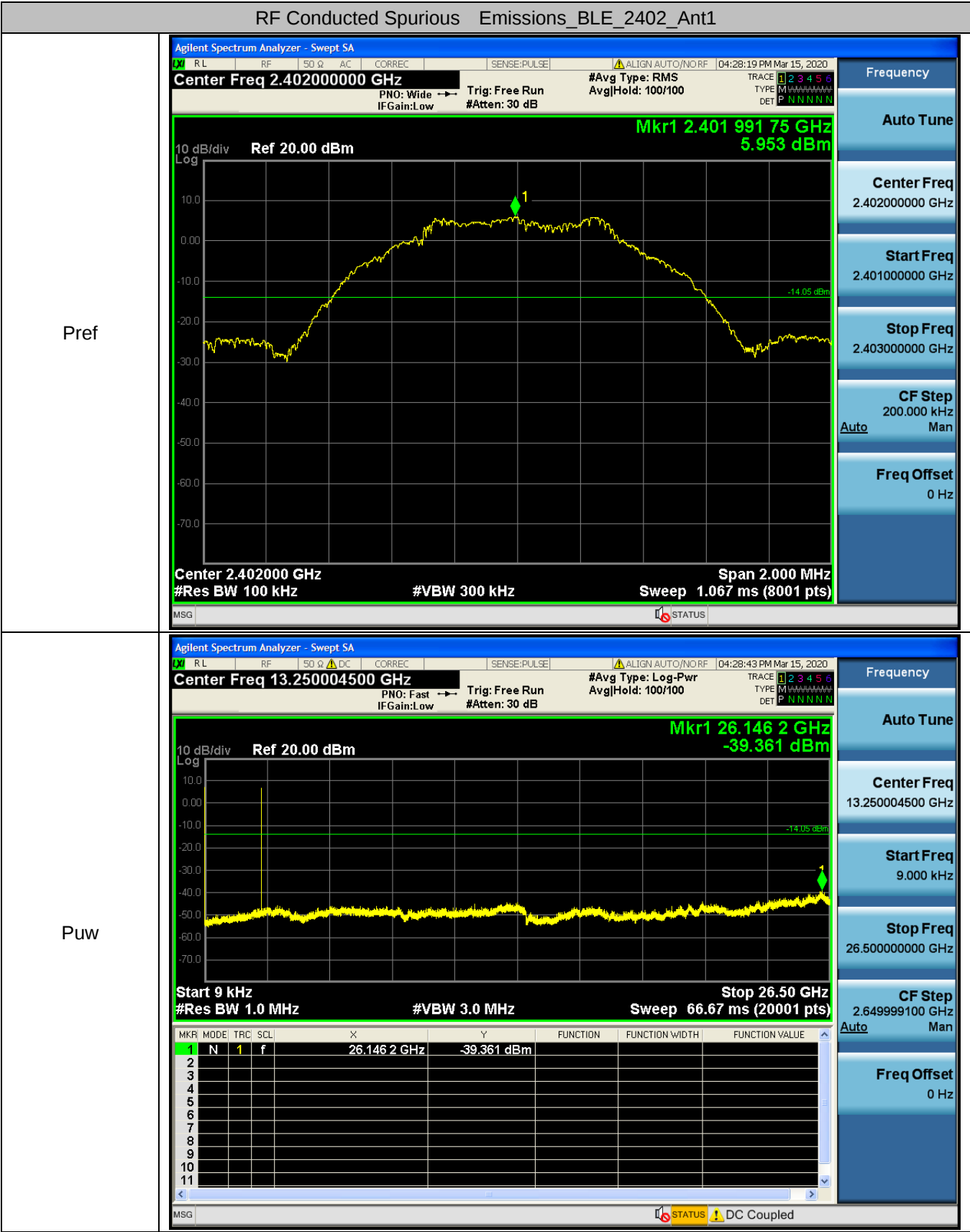
## Band-edge for RF Conducted Emissions\_BLE\_2402\_Ant1



## Band-edge for RF Conducted Emissions\_BLE\_2480\_Ant1

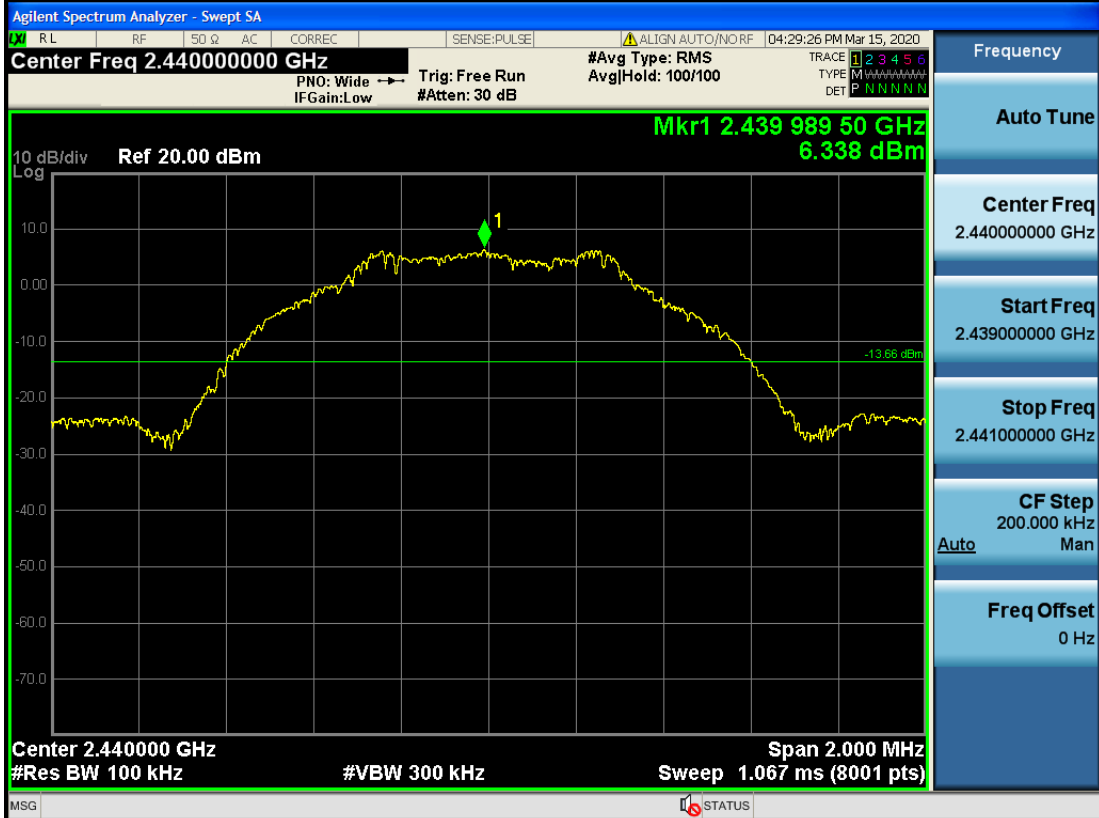


A.6. RF Conducted Spurious Emissions

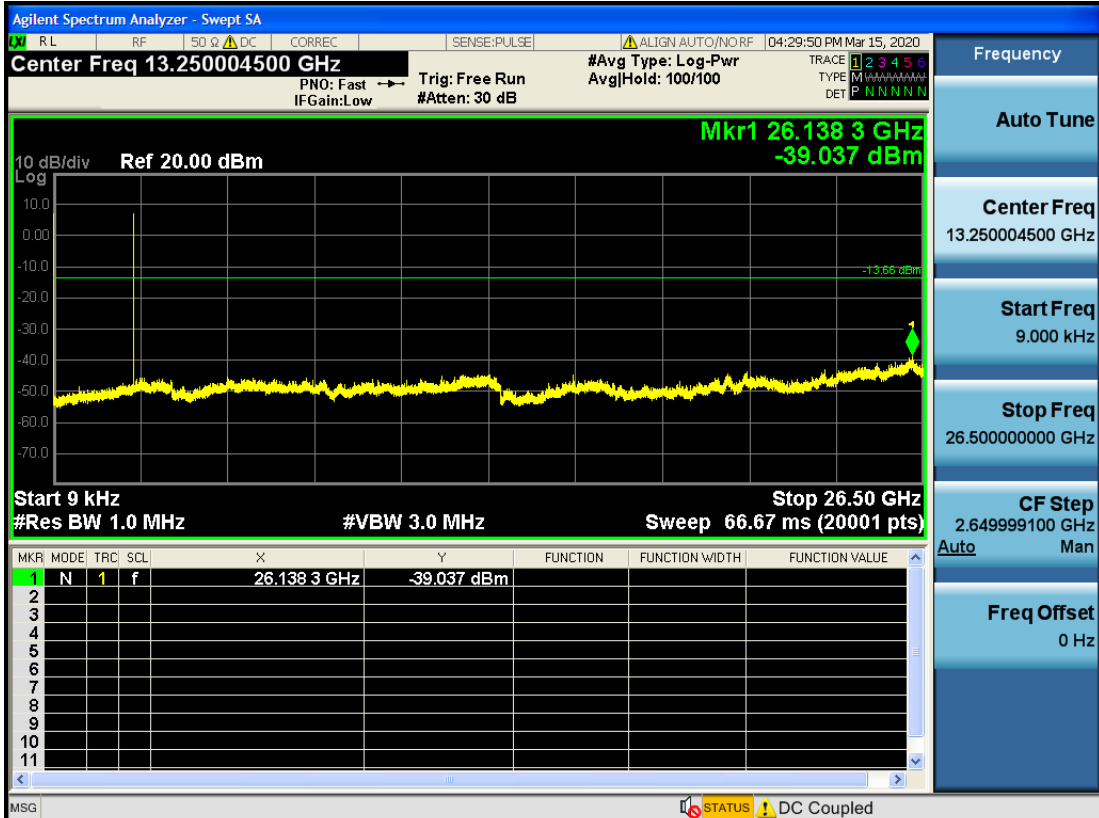


## RF Conducted Spurious Emissions\_BLE\_2440\_Ant1

Pref

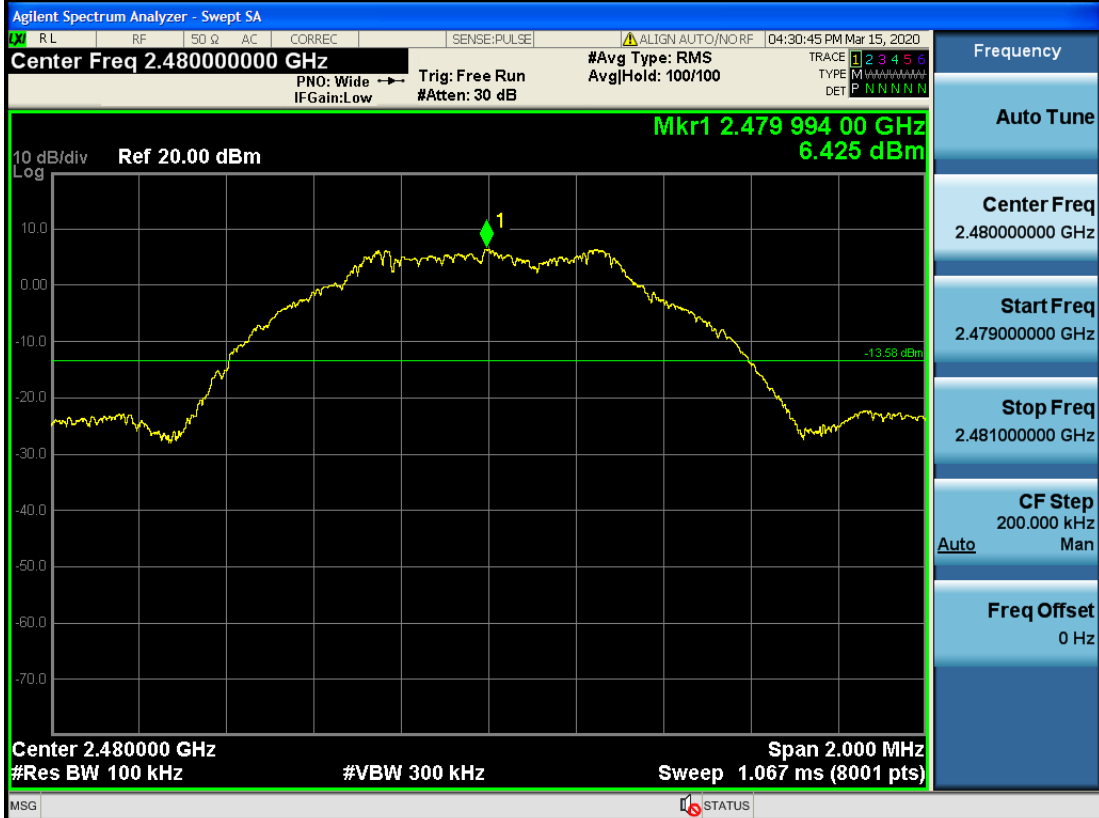


Puw

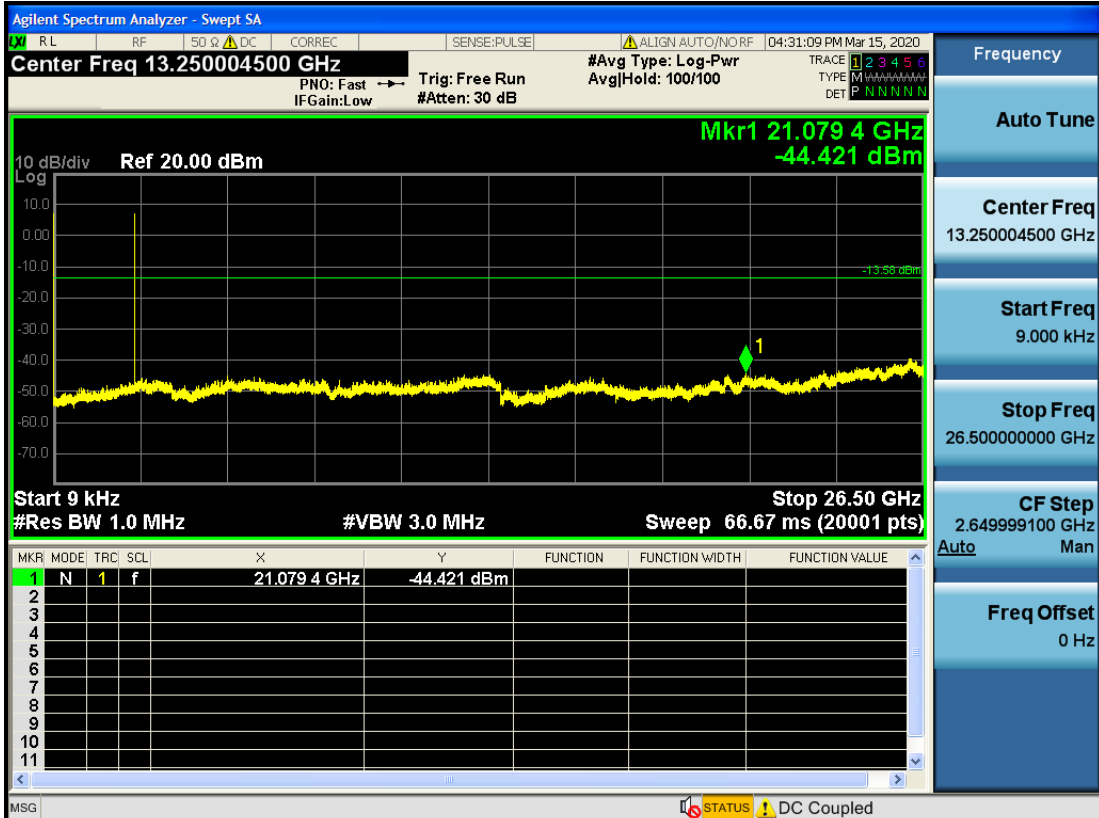


## RF Conducted Spurious Emissions\_BLE\_2480\_Ant1

Pref



Puw

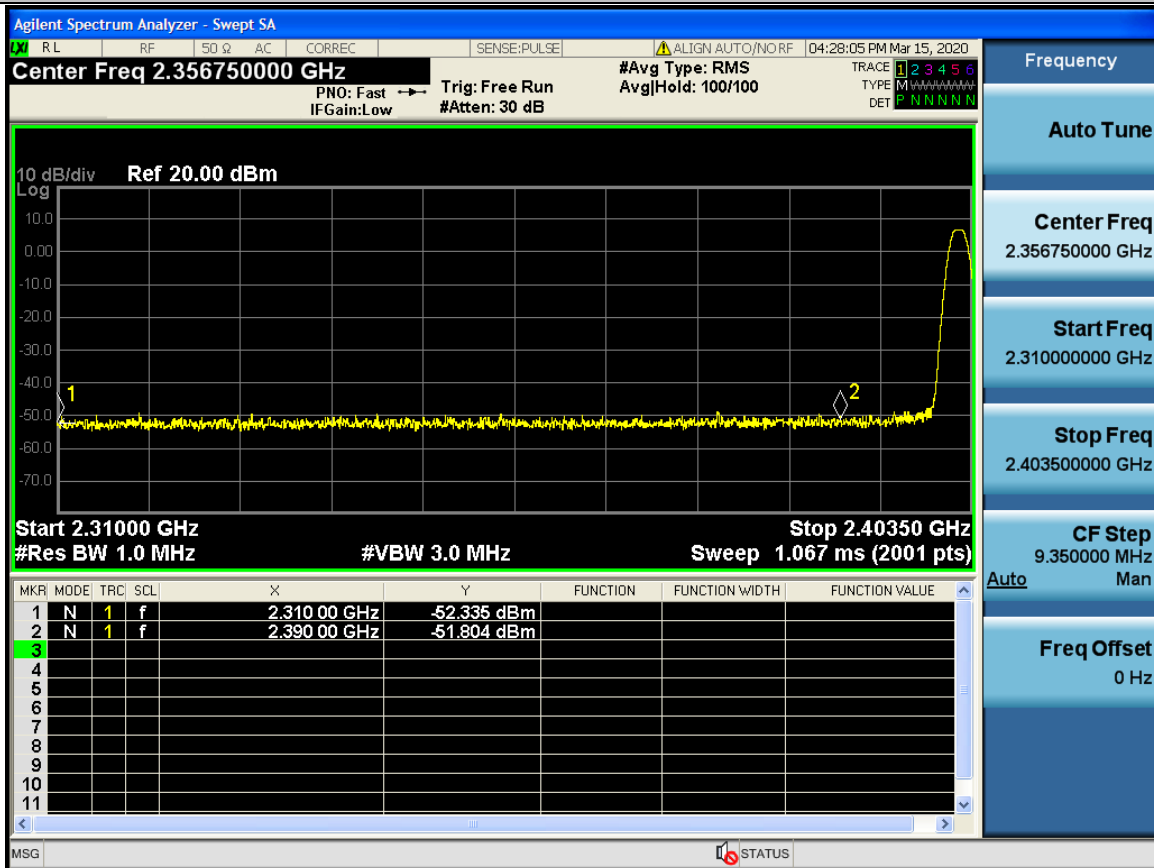


**A.7. Restrict-band band-edge measurements**

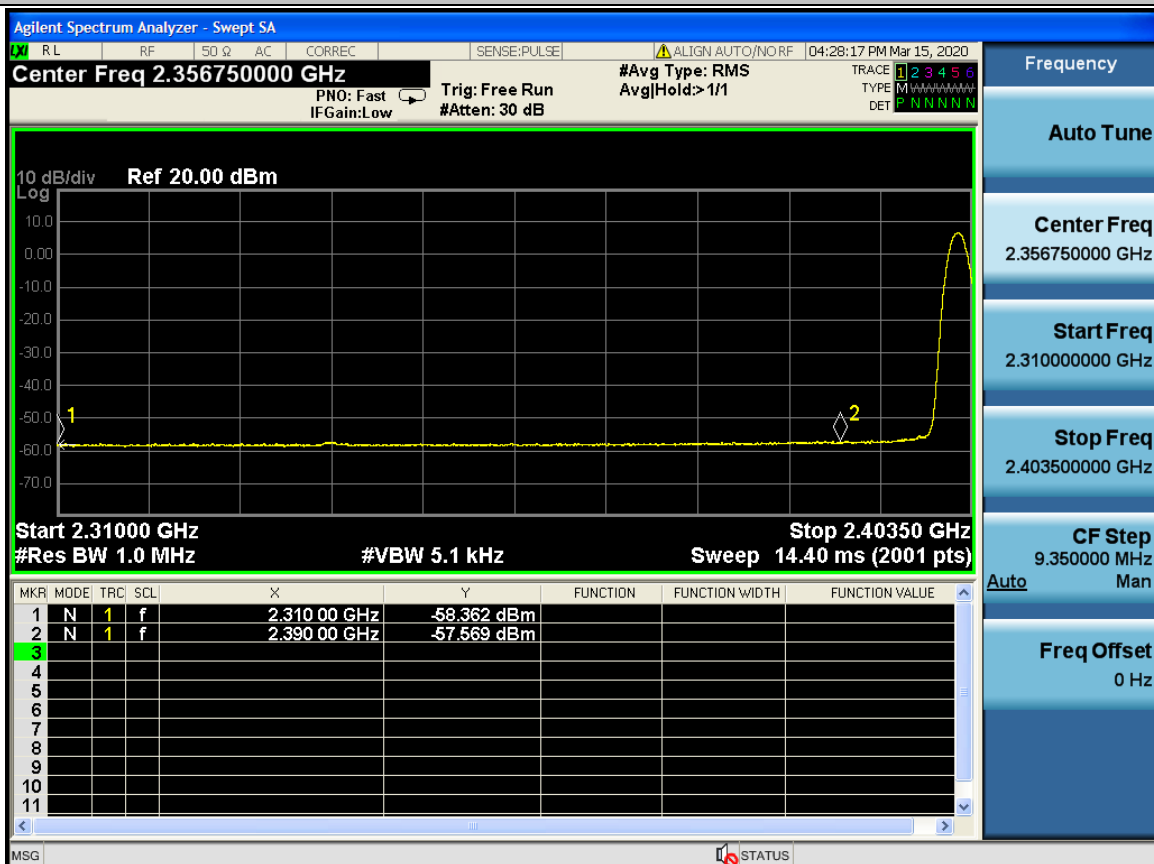
| Type | Carrier<br>Frequency<br>(MHz) | Frequency(MHz) | Gain | Ground<br>Factor | Peak<br>Value(dBm) | E<br>[dBuV/m] | Limit<br>[dBuV/m] | Conclusion |
|------|-------------------------------|----------------|------|------------------|--------------------|---------------|-------------------|------------|
| BLE  | 2402                          | 2390           | 2.00 | 0.00             | -51.804            | 45.396        | 74                | Pass       |
| BLE  | 2480                          | 2483.5         | 2.00 | 0.00             | -52.512            | 44.688        | 74                | Pass       |

| Type | Carrier<br>Frequency<br>(MHz) | Frequency(MHz) | Gain | Ground<br>Factor | Average<br>Value(dBm) | E<br>[dBuV/m] | Limit<br>[dBuV/m] | Conclusion |
|------|-------------------------------|----------------|------|------------------|-----------------------|---------------|-------------------|------------|
| BLE  | 2402                          | 2390           | 2.00 | 0.00             | -57.569               | 39.631        | 54                | Pass       |
| BLE  | 2480                          | 2483.5         | 2.00 | 0.00             | -50.329               | 46.871        | 54                | Pass       |

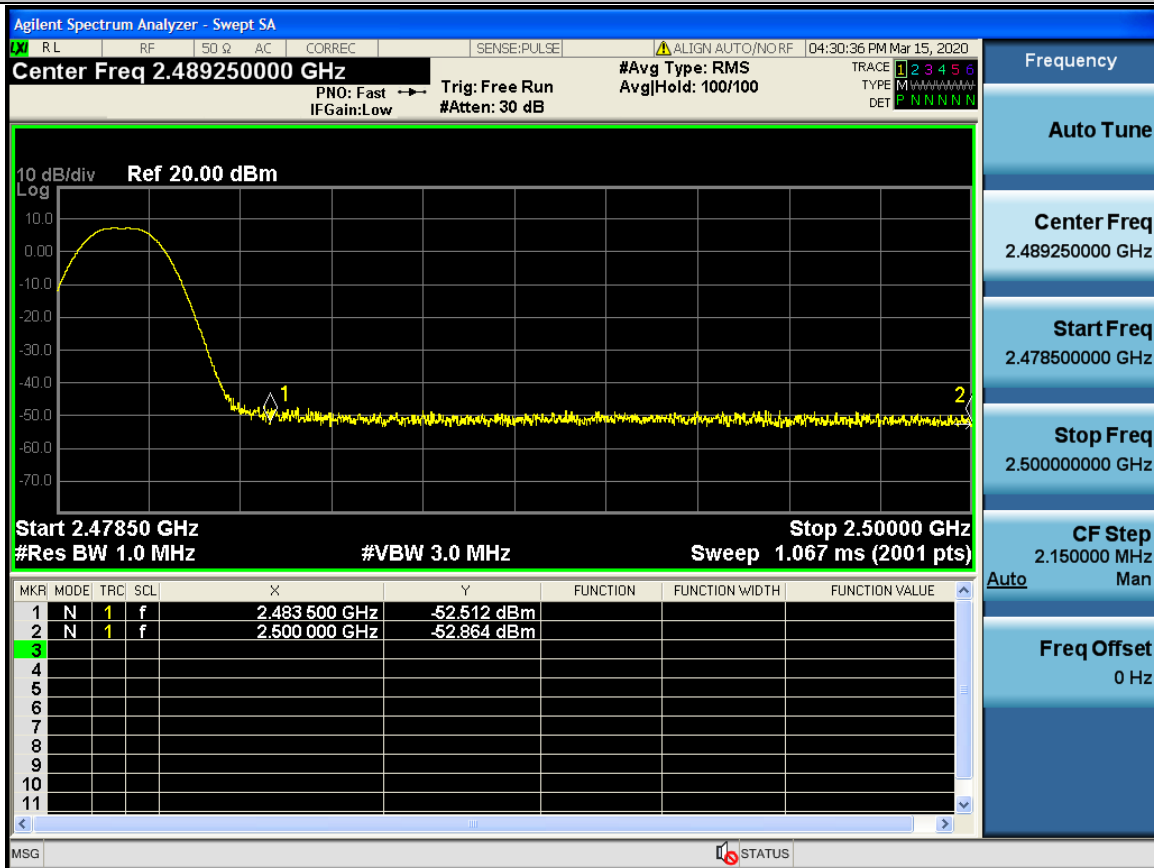
## Restrict-band band-edge measurements\_BLE\_2402\_Ant1\_PEAK



## Restrict-band band-edge measurements\_BLE\_2402\_Ant1\_AV



## Restrict-band band-edge measurements\_BLE\_2480\_Ant1\_PEAK



## Restrict-band band-edge measurements\_BLE\_2480\_Ant1\_AV



A.8. Duty Cycle

| Test Mode | Test Channel | Ant  | Duty Cycle[%] | Verdict |
|-----------|--------------|------|---------------|---------|
| BLE       | 2440         | Ant1 | 63.12         | PASS    |

