

## Appendix B

### RF Test Data for BT V5.0(BDR/EDR) (Conducted Measurement)

Product Name: True Wireless Stereo Headset

Trade Mark: N/A

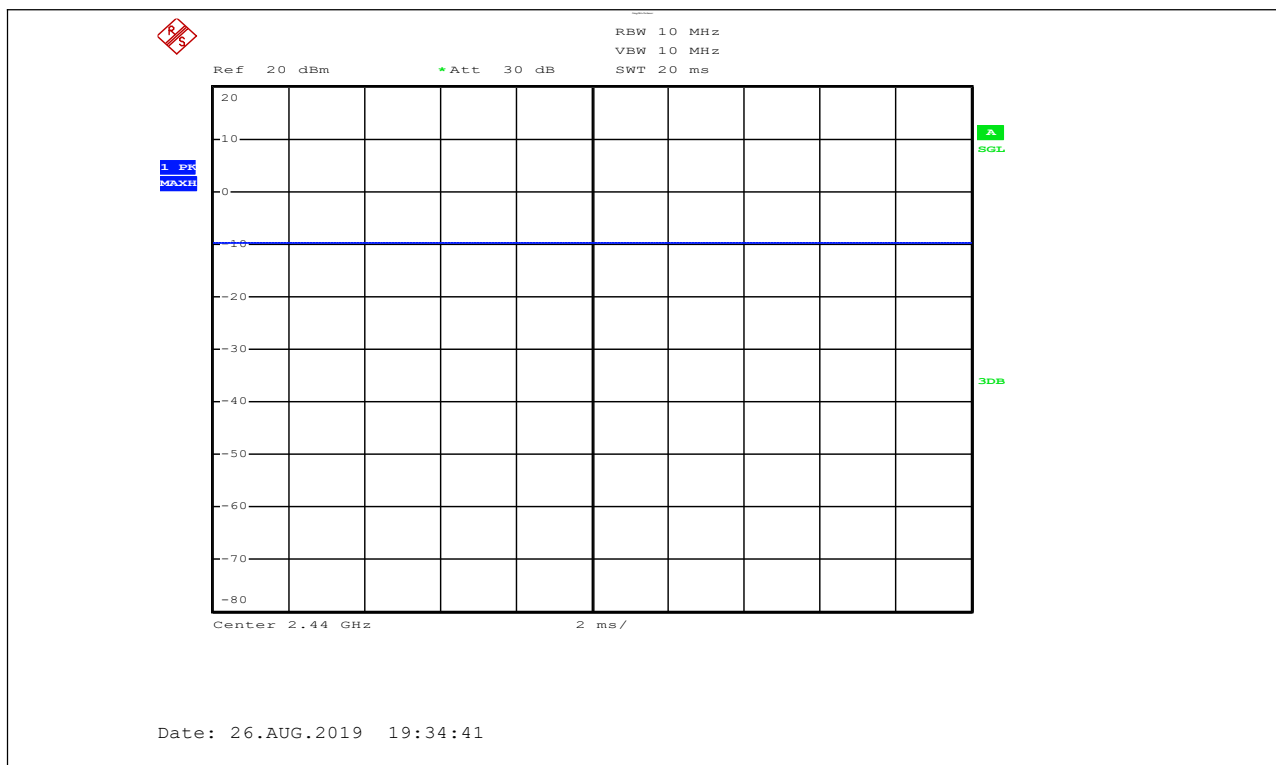
Test Model: T2

#### Environmental Conditions

|                    |             |
|--------------------|-------------|
| Temperature:       | 23.8 ° C    |
| Relative Humidity: | 53.1%       |
| ATM Pressure:      | 100.0 kPa   |
| Test Engineer:     | Alisa Huang |
| Supervised by:     | Wang.Chuang |

#### B.1 Duty Cycle

| Test Mode | Test Channel | Ant  | Duty Cycle[%] | Verdict |
|-----------|--------------|------|---------------|---------|
| BT LE     | 2440         | Ant1 | 100           | PASS    |

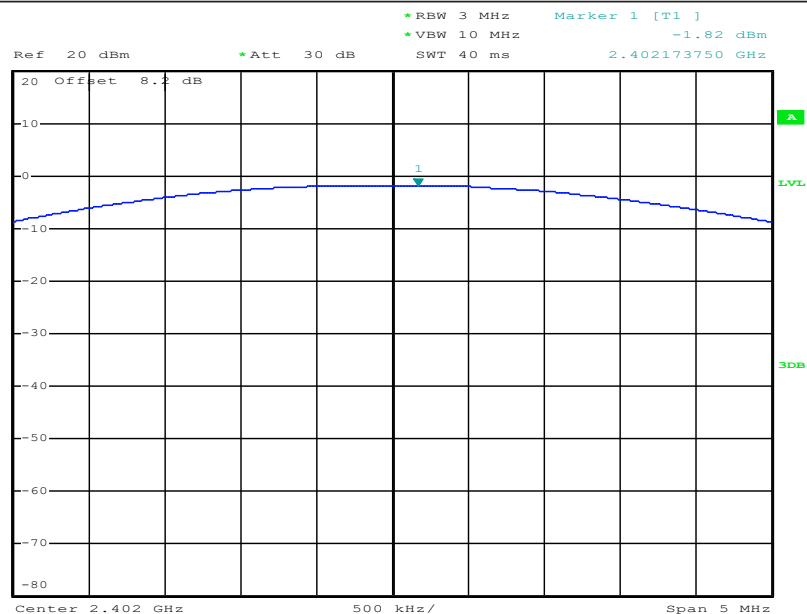


## B.2 Maximum Conducted Peak Output Power

| Mode  | Channel | Conduct Peak Power[dBm] | Limit [dBm] | Verdict |
|-------|---------|-------------------------|-------------|---------|
| BT LE | LCH     | -1.82                   | 30          | PASS    |
| BT LE | MCH     | -1.15                   | 30          | PASS    |
| BT LE | HCH     | -0.85                   | 30          | PASS    |

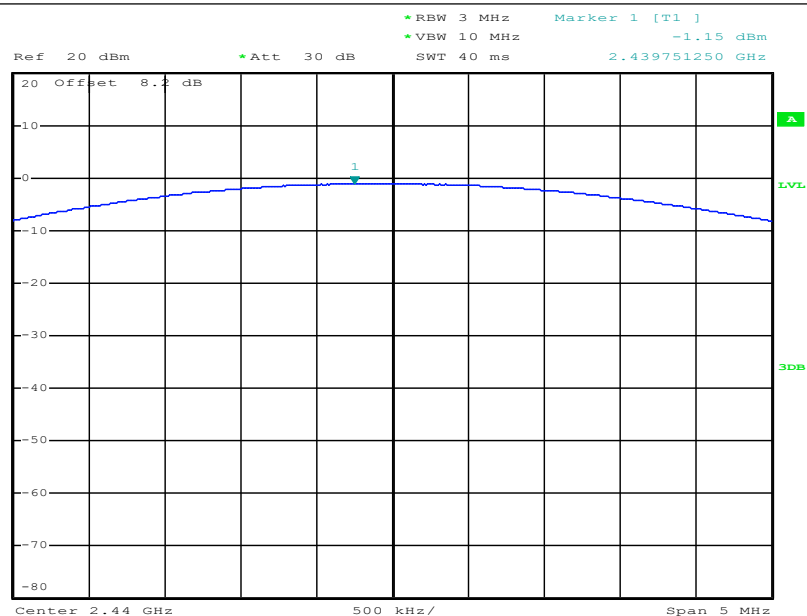
### Test Graphs

LCH

1 PK  
VIEW

Date: 26.AUG.2019 19:25:22

MCH

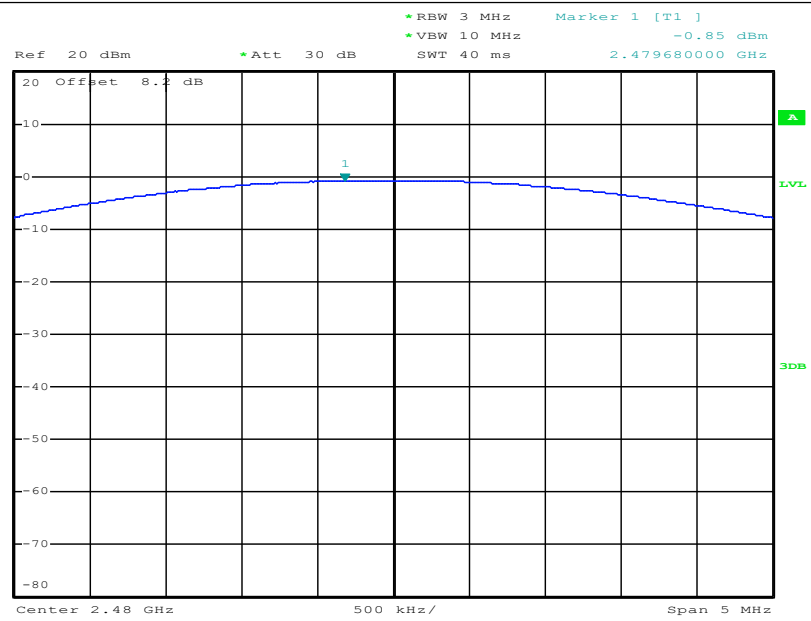
1 PK  
VIEW

Date: 26.AUG.2019 19:27:50

HCH



1 PR  
VIEW



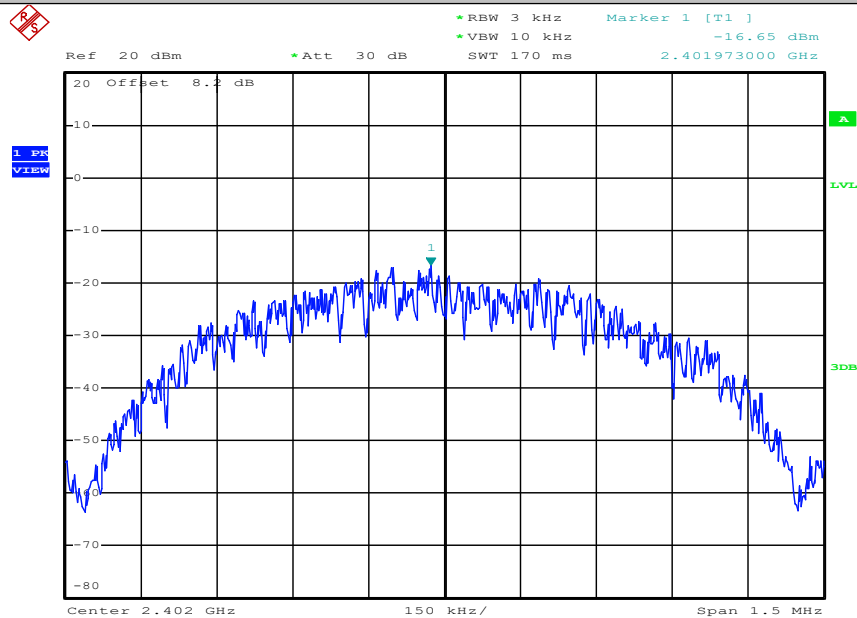
Date: 26.AUG.2019 19:29:31

### B.3 Maximum Power Spectral Density

| Mode  | Channel | PSD [dBm/3KHz] | Limit [dBm/3KHz] | Verdict |
|-------|---------|----------------|------------------|---------|
| BT LE | LCH     | -16.650        | 8                | PASS    |
| BT LE | MCH     | -15.900        | 8                | PASS    |
| BT LE | HCH     | -15.720        | 8                | PASS    |

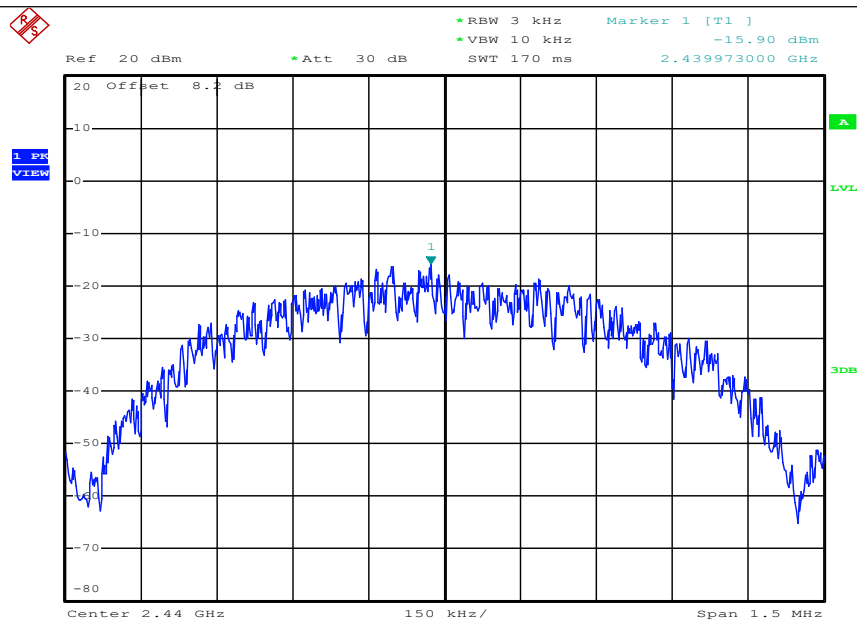
Test Graphs

LCH



Date: 26.AUG.2019 19:25:37

MCH

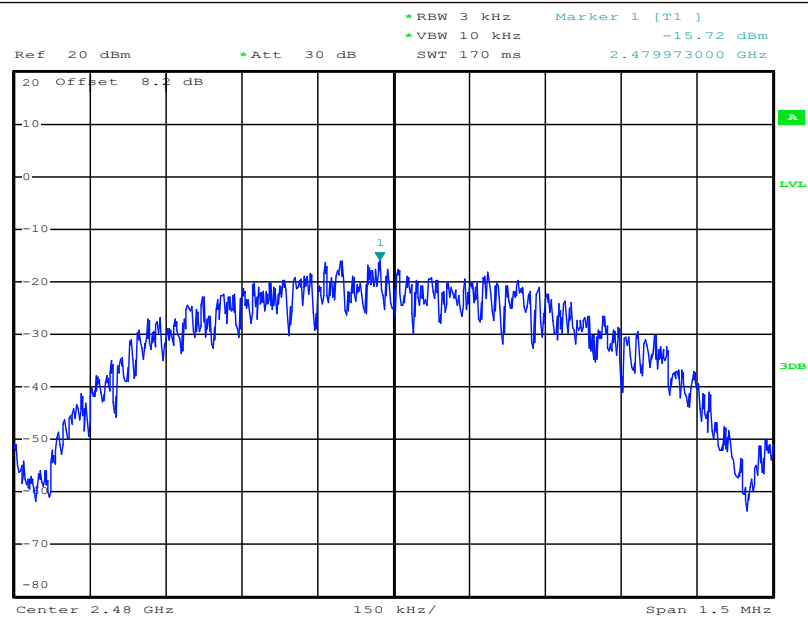


Date: 26.AUG.2019 19:28:04

HCH



1 PR  
VIEW



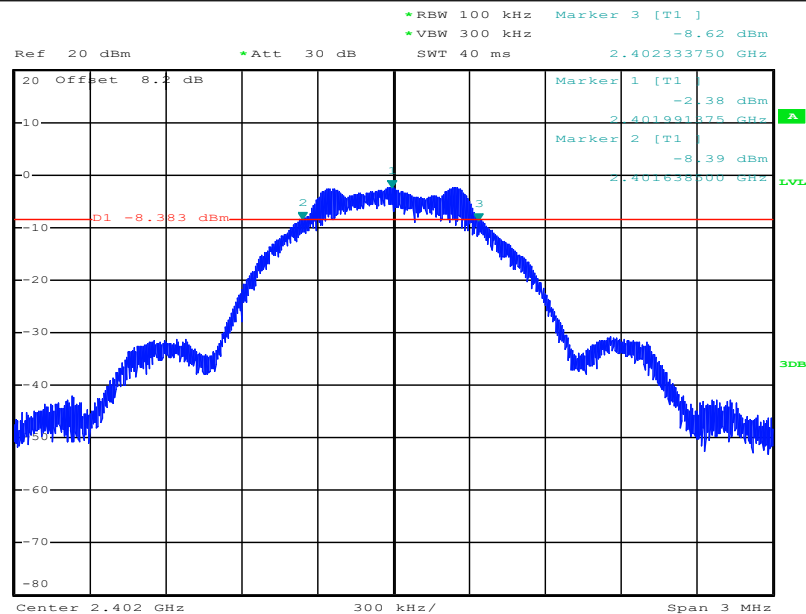
Date: 26.AUG.2019 19:29:46

## B.4 6dB Bandwidth

| Mode  | Channel | 6dB Bandwidth [MHz] | Limit [MHz] | Verdict |
|-------|---------|---------------------|-------------|---------|
| BT LE | LCH     | 0.695               | $\geq 0.5$  | PASS    |
| BT LE | MCH     | 0.683               | $\geq 0.5$  | PASS    |
| BT LE | HCH     | 0.694               | $\geq 0.5$  | PASS    |

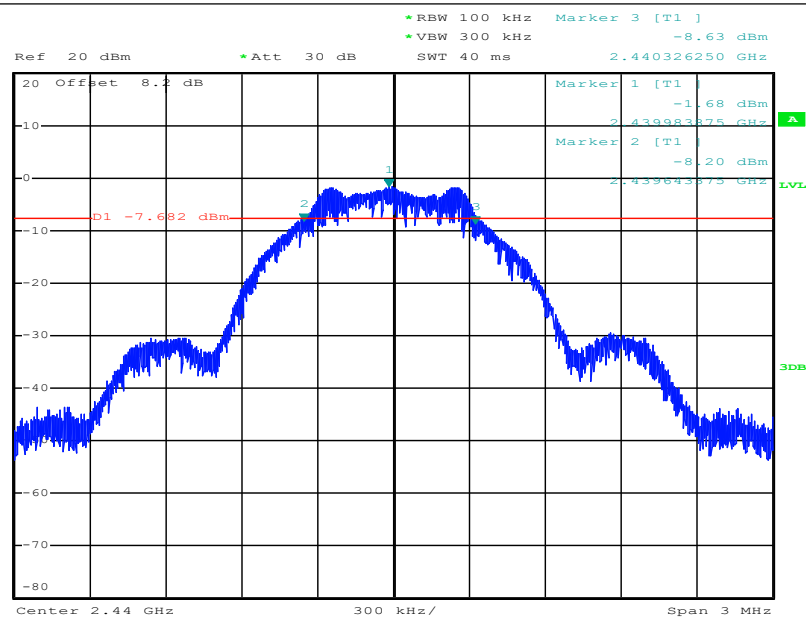
Test Graphs

LCH

1 PK  
VIEW

Date: 26.AUG.2019 19:25:09

MCH

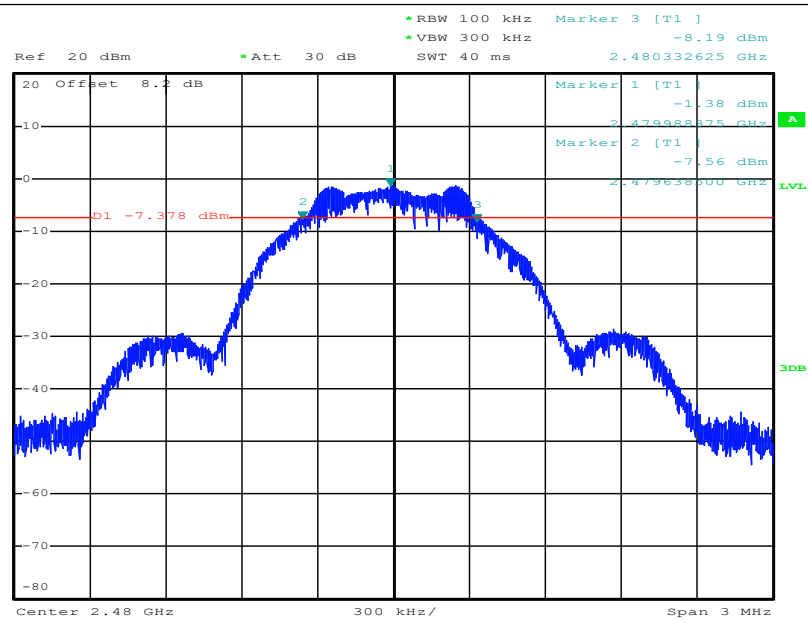
1 PK  
VIEW

Date: 26.AUG.2019 19:27:37

HCH



1 PR  
VIEW



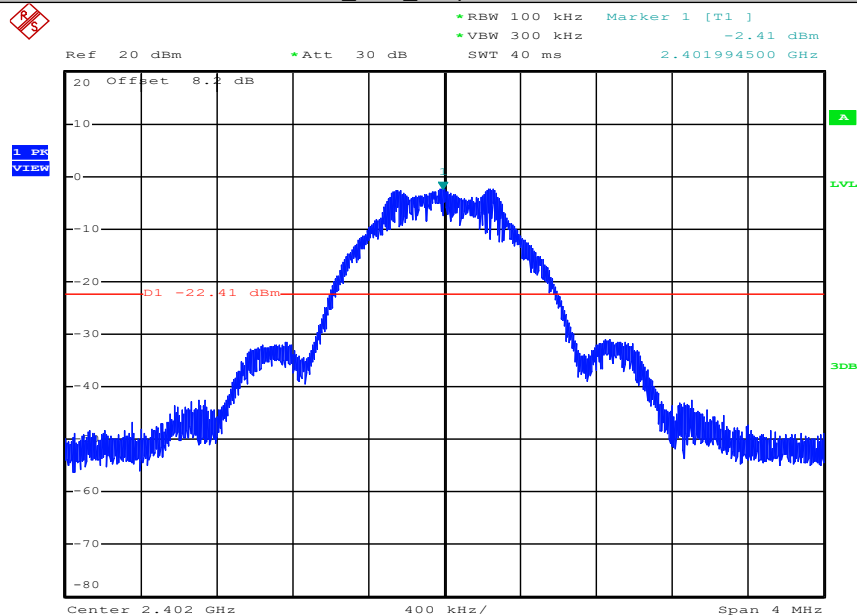
Date: 26.AUG.2019 19:29:18

**B.5 RF Conducted Spurious Emissions**

| Mode  | Channel | Pref [dBm] | Max. Level [dBm] | Limit [dBm] | Verdict |
|-------|---------|------------|------------------|-------------|---------|
| BT LE | LCH     | -2.41      | -32.010          | -22.410     | PASS    |
| BT LE | MCH     | -1.76      | -30.860          | -21.760     | PASS    |
| BT LE | HCH     | -1.4       | -31.470          | -21.400     | PASS    |

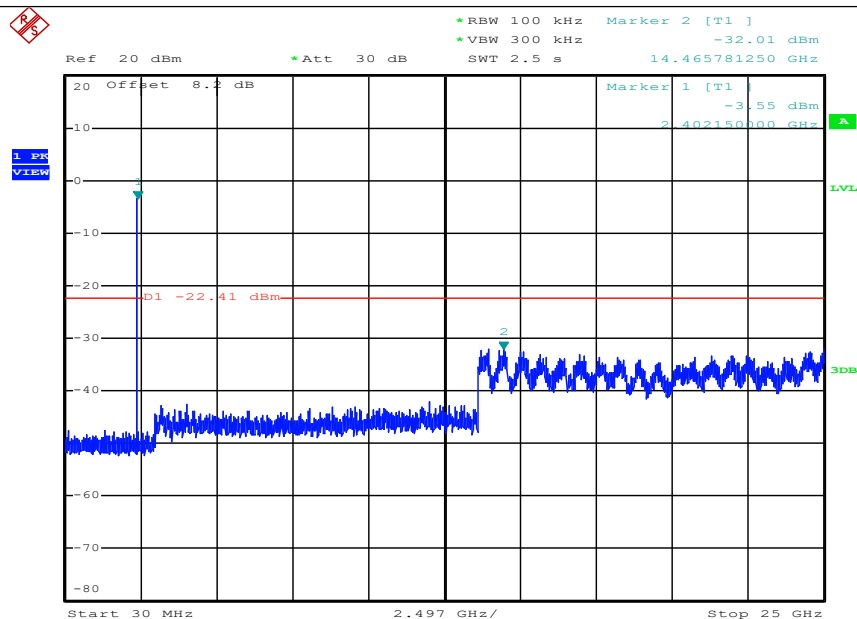
BT LE\_LCH\_Graphs

Pref/BT LE/LCH



Date: 26.AUG.2019 19:26:02

Puw/BT LE/LCH

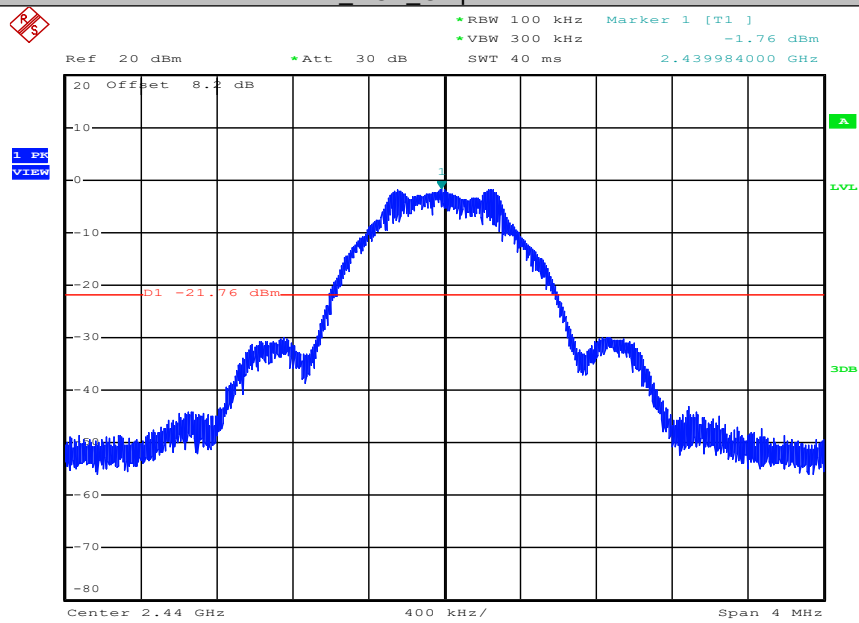


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|  |  |
|--|--|
|  |  |
|--|--|

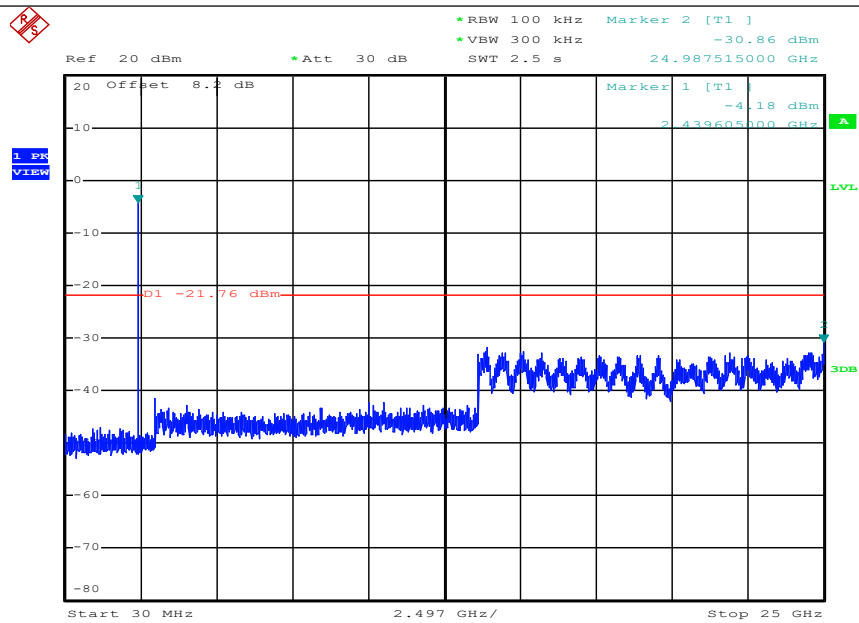
## BT LE MCH Graphs

Pref/BT LE/MCH



Date: 26.AUG.2019 19:28:16

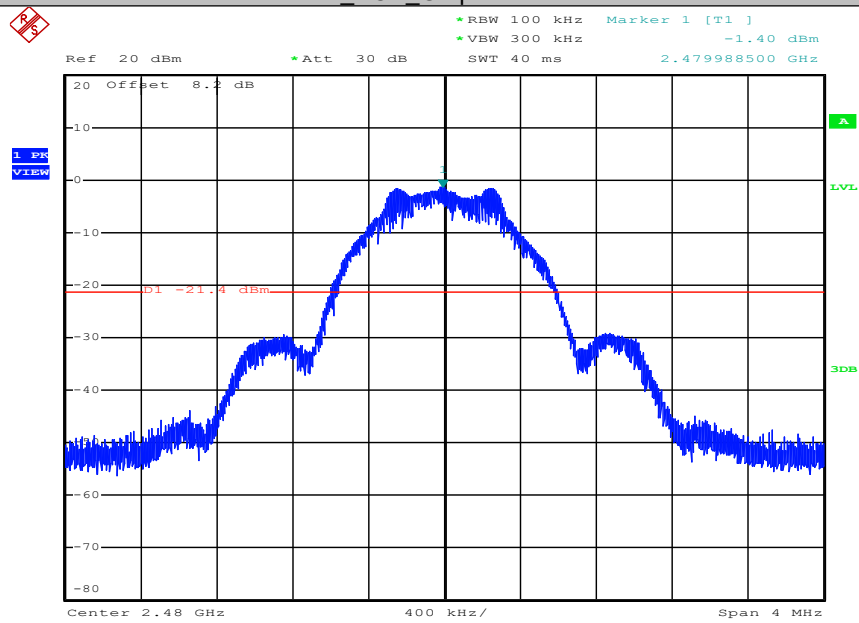
Puw/BT LE/MCH



Date: 26.AUG.2019 19:28:47

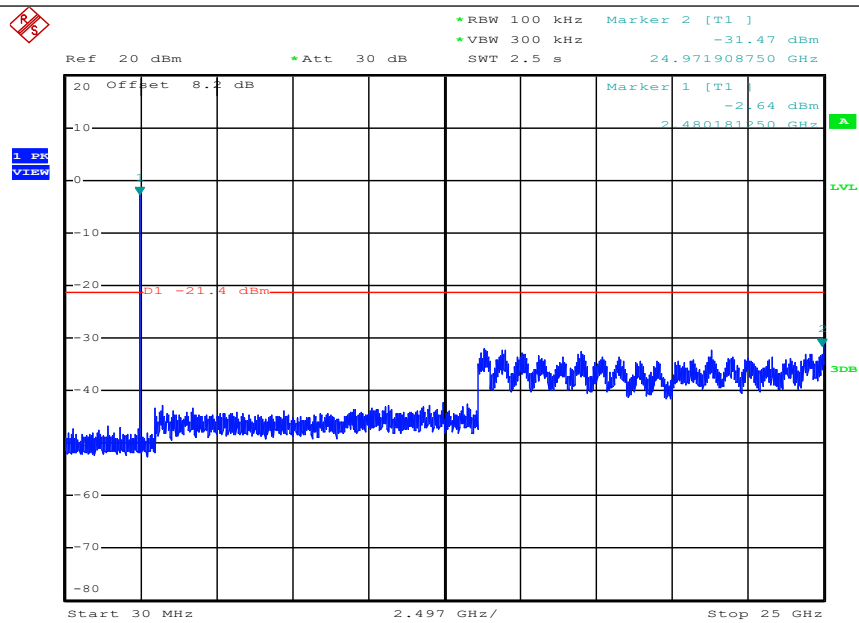
## BT LE\_HCH\_Graphs

Pref/BT LE/HCH



Date: 26.AUG.2019 19:30:11

Puw/BT LE/HCH



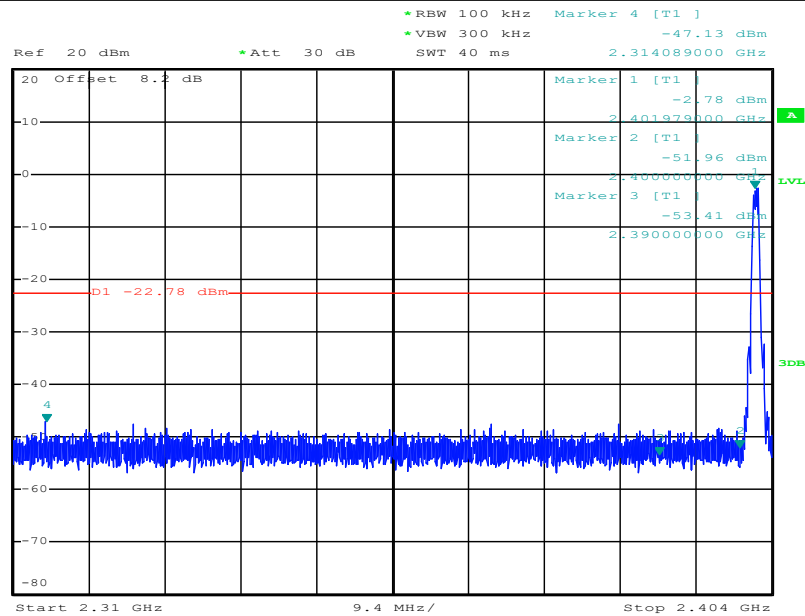
Date: 26.AUG.2019 19:30:42

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

| Mode  | Channel | Carrier Power[dBm] | Max.Spurious Level [dBm] | Limit [dBm] | Verdict |
|-------|---------|--------------------|--------------------------|-------------|---------|
| BT LE | LCH     | -2.780             | -47.134                  | -22.78      | PASS    |
| BT LE | HCH     | -1.460             | -48.167                  | -21.46      | PASS    |

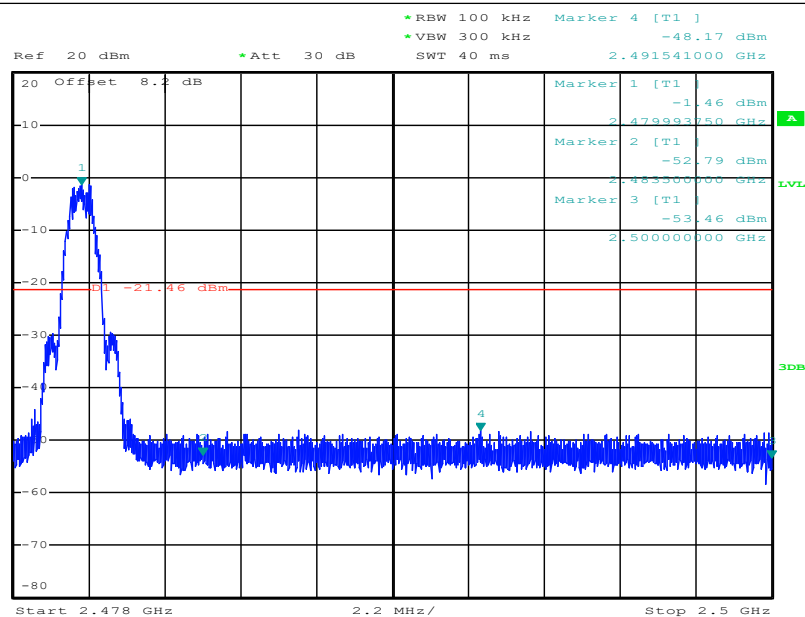
Test Graphs

LCH

1 PR  
VIEW

Date: 26.AUG.2019 19:25:50

HCH

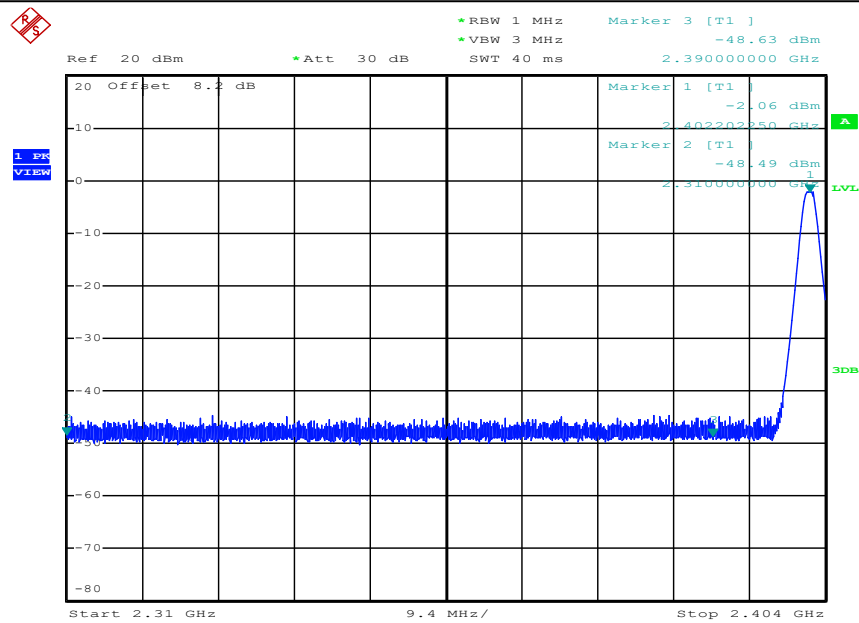
1 PR  
VIEW

Date: 26.AUG.2019 19:29:59

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

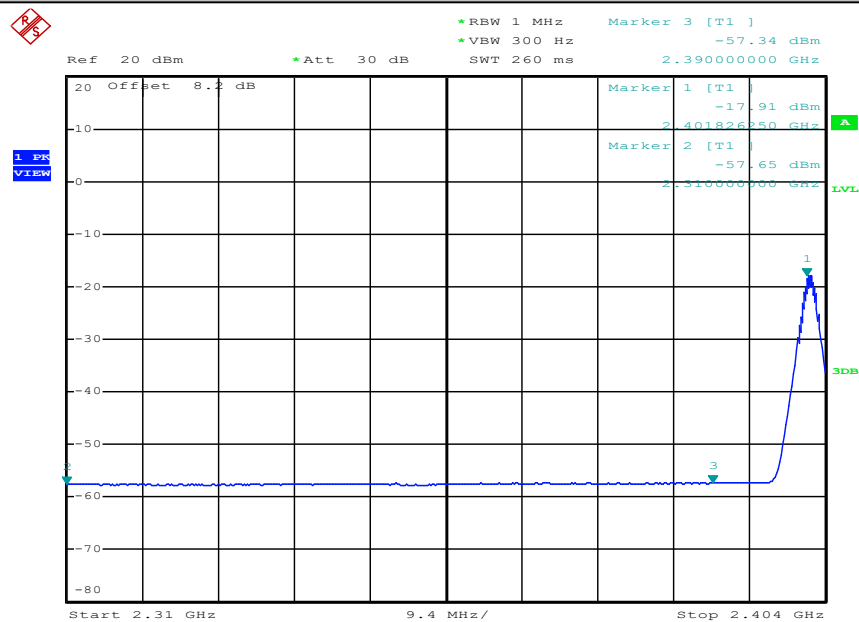
| Test Mode | Test Channel | Ant  | Freq.  | Power [dBm] | Gain | Ground Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdi |
|-----------|--------------|------|--------|-------------|------|---------------|------------|----------|----------------|-------|
| BT LE     | 2402         | Ant1 | 2310.0 | -48.49      | 2.0  | 0             | 47.77      | PEAK     | 74             | PASS  |
|           |              | Ant1 | 2310.0 | -57.65      | 2.0  | 0             | 38.61      | AV       | 54             | PASS  |
|           |              | Ant1 | 2390.0 | -48.63      | 2.0  | 0             | 47.63      | PEAK     | 74             | PASS  |
|           |              | Ant1 | 2390.0 | -57.34      | 2.0  | 0             | 38.92      | AV       | 54             | PASS  |
|           | 2480         | Ant1 | 2483.5 | -39.58      | 2.0  | 0             | 56.68      | PEAK     | 74             | PASS  |
|           |              | Ant1 | 2483.5 | -48.21      | 2.0  | 0             | 48.05      | AV       | 54             | PASS  |
|           |              | Ant1 | 2500.0 | -48.88      | 2.0  | 0             | 47.38      | PEAK     | 74             | PASS  |
|           |              | Ant1 | 2500.0 | -57.97      | 2.0  | 0             | 38.29      | AV       | 54             | PASS  |

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



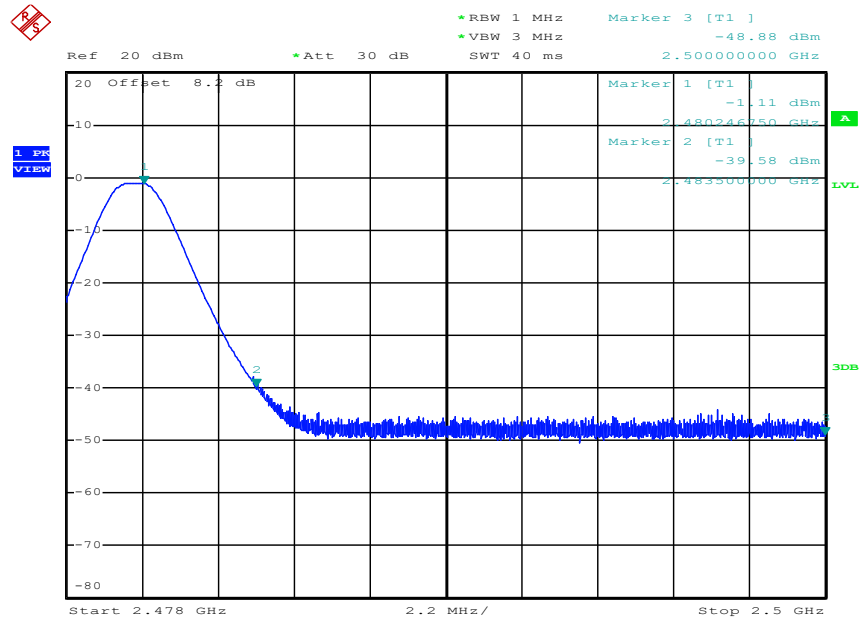
Date: 26.AUG.2019 19:26:52

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



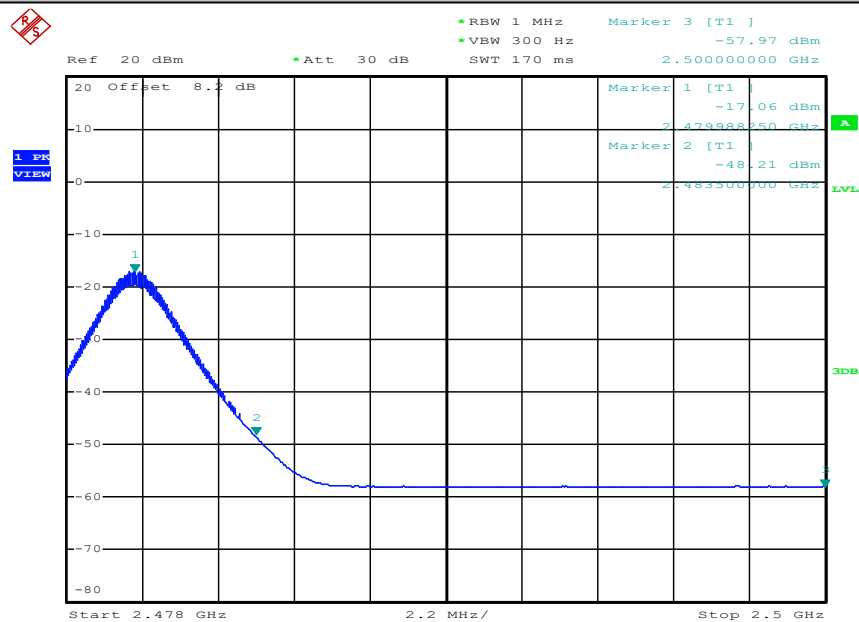
Date: 26.AUG.2019 19:27:07

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



Date: 26.AUG.2019 19:31:00

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



Date: 26.AUG.2019 19:31:16