

**FCC/ISED - TEST REPORT**

Report Number : **68.950.20.0520.02** Date of Issue: June 13, 2022

Model : PI5L, Pi5 S2L

Product Type : In-ear True Wireless Headphone

Applicant : B&W Group Ltd.

Address : Dale Road Worthing United Kingdom BN11 2BH

Factory : Charter Media (Dongguan) Co., Ltd.

Address : Dabandi Industrial Zone, Daning District, Humen Town,  
: 523930 Dongguan City, Guangdong Province,  
: PEOPLE'S REPUBLIC OF CHINA

Test Result : **n Positive**      **o Negative**

Total pages including Appendices : 70

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## 2 Details about the Test Laboratory

### Details about the Test Laboratory

#### Test Site 1

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch  
Building 12 & 13, Zhiheng Wisdomland Business Park, Guankou Erlu,  
Nantou, Nanshan District  
Shenzhen 518052  
P.R. China

Telephone: 86 755 8828 6998

Fax: 86 755 8288 5299

FCC Registration No.: 514049

ISED#: 10320A

### 3 Description of the Equipment Under Test

|                                                        |                                                                                                                                                                  |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product:                                               | In-ear True Wireless Headphone                                                                                                                                   |
| Model no/HVIN/PMN:                                     | PI5L, Pi5 S2L                                                                                                                                                    |
| FVIN:                                                  | V1.0.X                                                                                                                                                           |
| FCC ID                                                 | 2ACIX-PI5L                                                                                                                                                       |
| IC:                                                    | 11946B-PI5L                                                                                                                                                      |
| Options and accessories:                               | Type-C Cable, Charging Case                                                                                                                                      |
| Rating:                                                | PI5L:<br>Earbud: 3.7VDC, 55mAh, 0.204Wh (Supplied by Built Li-ion battery)<br><br>Pi5 S2L:<br>Earbud: 3.85VDC, 70mAh, 0.270Wh (Supplied by Built Li-ion battery) |
| RF Transmission Frequency:<br>No. of Operated Channel: | 2402MHz-2480MHz<br><br>79                                                                                                                                        |
| Modulation:                                            | GFSK, $\pi/4$ -DQPSK, 8-DPSK                                                                                                                                     |
| Antenna Type:                                          | Mono pole antenna                                                                                                                                                |
| Antenna Gain:                                          | 1.0dBi for PI5L, -3.0dBi for Pi5 S2L                                                                                                                             |
| Description of the EUT:                                | The Equipment Under Test (EUT) is an In-ear True Wireless Headphone support Bluetooth function.                                                                  |

#### 4 Summary of Test Standards

| Test Standards                                 |                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| FCC Part 15 Subpart C<br>10-1-2020 Edition     | PART 15 - RADIO FREQUENCY DEVICES<br>Subpart C - Intentional Radiators                                                       |
| RSS-Gen<br>Issue 5, Amendment 1,<br>March 2019 | General Requirements for the Certification of Radio Apparatus                                                                |
| RSS-247 Issue 2<br>February 2017               | Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSS) and License-Exempt Local Area Network (LE-LAN) Devices |

All the test methods were according to Public Notice DA 00-705 -Frequency Hopper Spread Spectrum Test Procedure, KDB558074 D01 v05r02 and ANSI C63.10-2013.

## 5 Summary of Test Results

| Technical Requirements                                 |                                                                  |                                                          |             |           |
|--------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------|-------------|-----------|
| FCC Part 15 Subpart C/ RSS-247 Issue 2/RSS-Gen Issue 5 |                                                                  |                                                          |             |           |
| Test Condition                                         |                                                                  |                                                          | Test Result | Test Site |
| §15.207                                                | RSS-GEN 8.8                                                      | Conducted emission AC power port                         | N/A         | --        |
| §15.247(b)(1)                                          | RSS-247 Clause 5.4(b)                                            | Conducted peak output power and e.i.r.p.                 | Pass        | Site 1    |
| §15.247(e)                                             | RSS-247 Clause 5.2(b)                                            | Power spectral density                                   | N/A         | --        |
| §15.247(a)(2)                                          | RSS-247 Clause 5.2(a)                                            | 6dB bandwidth                                            | N/A         | --        |
| §15.247(a)(1)                                          | RSS-247 Clause 5.1(a) & RSS-Gen 6.7                              | 20dB bandwidth and 99% Occupied Bandwidth                | Pass        | Site 1    |
| §15.247(a)(1)                                          | RSS-247 Clause 5.1(b)                                            | Carrier frequency separation                             | Pass        | Site 1    |
| §15.247(a)(1)(iii)                                     | RSS-247 Clause 5.1(d)                                            | Number of hopping frequencies                            | Pass        | Site 1    |
| §15.247(a)(1)(iii)                                     | RSS-247 Clause 5.1(d)                                            | Dwell Time                                               | Pass        | Site 1    |
| §15.247(d)                                             | RSS-247 Clause 5.5                                               | Spurious RF conducted emissions                          | Pass        | Site 1    |
| §15.247(d)                                             | RSS-247 Clause 5.5                                               | Band edge                                                | Pass        | Site 1    |
| §15.247(d) & §15.209 & §15.205                         | RSS-247 Clause 5.5 & RSS-GEN 6.13<br>RSS-GEN 8.9<br>RSS-GEN 8.10 | Spurious radiated emissions for transmitter and receiver | Pass        | Site 1    |
| §15.203                                                | RSS-GEN 6.8                                                      | Antenna requirement                                      | See note 2  | Site 1    |

Note 1: N/A=Not Applicable.

Note 2: The EUT uses a Mono pole antenna, which gain is 1.0dBi for PI5L, -3.0dBi for Pi5 S2L. In accordance to §15.203 and RSS-GEN 6.8, it is considered sufficiently to comply with the provisions of this section.

## 6 General Remarks

### Remarks

This submittal(s) (test report) is intended for FCC ID: 2ACIX-PI5L, IC: 11946B-PI5L complies with Section 15.205, 15.209, 15.247 of the FCC Part 15, Subpart and RSS-247 issue 2 and RSS-Gen issue 5 rules.

The report base 68.950.20.0520.01 additional a model Pi5 S2L, was identical with PI5L except for battery of earbuds, antenna of earbuds and appearance of earbuds. Additional Antenna Power tests. Other the test data in this report was referred from 68.950.20.0520.01.

Note: The report is for BDR+EDR only.

### SUMMARY:

All tests according to the regulations cited on page 6 were

n - Performed

o - **Not** Performed

The Equipment Under Test

n - **Fulfills** the general approval requirements.

o - **Does not** fulfill the general approval requirements.

Sample Received Date: August 3, 2020

Testing Start Date: August 3, 2020

Testing End Date: August 31, 2020

Updated test date: April 18, 2022-June 10, 2022

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

Reviewed by:

Prepared by:

Tested by:



John Zhi  
EMC Project Manager



Mark Chen  
EMC Project Engineer

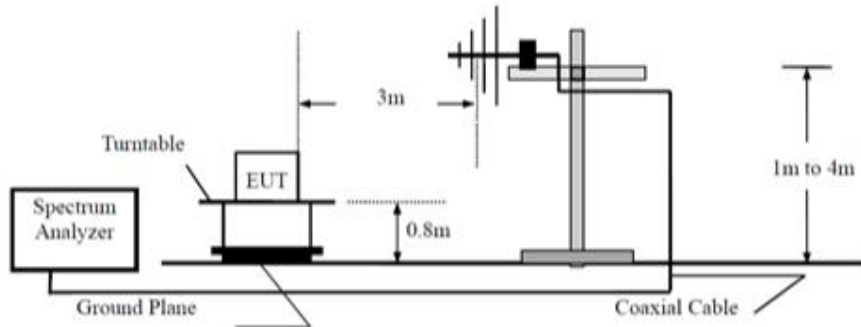


Carry Cai  
EMC Test Engineer

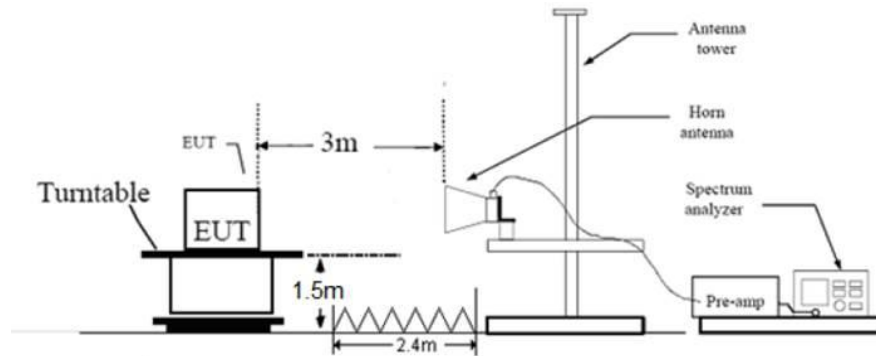
## 7 Test Setups

### 7.1 Radiated test setups

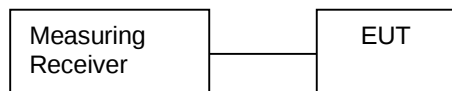
Below 1GHz



Above 1GHz



### 7.2 Conducted RF test setups



## 8 Systems test configuration

Auxiliary Equipment Used during Test:

| DESCRIPTION | MANUFACTURER | MODEL NO. | S/N |
|-------------|--------------|-----------|-----|
| Notebook    | Lenovo       | X220      | --- |

Test software: Bluetooth 3 Test Tool, which used to control the EUT in continues transmitting mode

The system was configured to hopping mode and non-hopping mode.

Hopping mode: typical working mode (normal hopping status)

Non-hopping mode: The system was configured to operate at a signal channel transmitting. The test software allows the configuration and operation at the worst-case duty and the highest transmit power .

## 9 Technical Requirement

### 9.1 Conducted peak output power and e.i.r.p.

#### Test Method

1. Use the following spectrum analyzer settings:  
Span = approximately 5 times the 20dB bandwidth, centered on a hopping channel  
RBW > the 20dB bandwidth of the emission being measured, VBW ≥ RBW,  
Sweep = auto, Detector function = peak, Trace = max hold
2. Add a correction factor to the display.
3. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power

#### Limits

##### Conducted Peak Output Power:

| Frequency Range<br>MHz | Limit<br>W | Limit<br>dBm |
|------------------------|------------|--------------|
| 2400-2483.5            | ≤1         | ≤30          |

##### For e.i.r.p.:

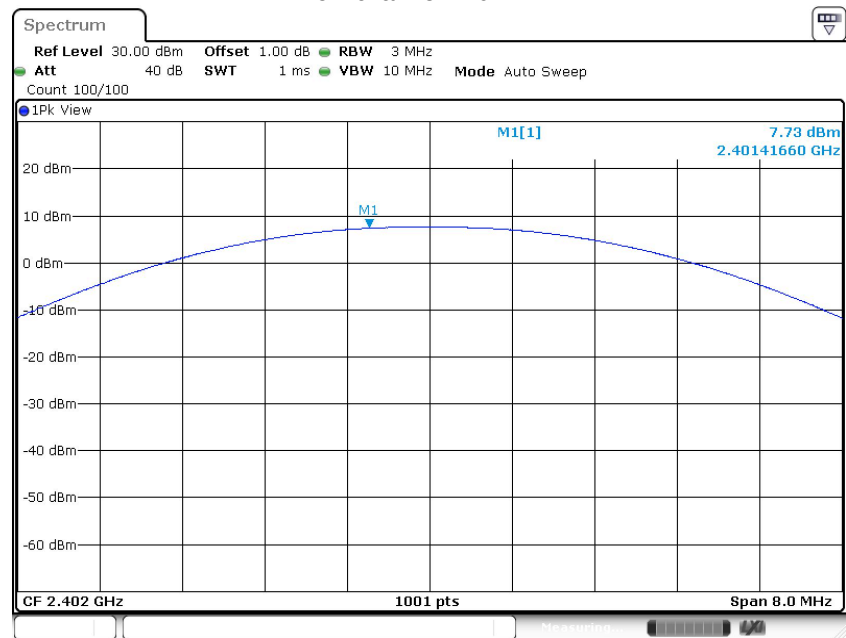
| Frequency Range<br>MHz | Limit<br>W | Limit<br>dBm |
|------------------------|------------|--------------|
| 2400-2483.5            | ≤4         | ≤36          |

## Conducted peak output power

### PI5L: Bluetooth Mode GFSK modulation Test Result

| Frequency<br>MHz       | Conducted<br>Peak Output<br>Power<br>dBm | e.i.r.p.<br>dBm | Result |
|------------------------|------------------------------------------|-----------------|--------|
| Low channel 2402MHz    | 7.73                                     | 8.73            | Pass   |
| Middle channel 2441MHz | 7.84                                     | 8.84            | Pass   |
| High channel 2480MHz   | 8.19                                     | 9.19            | Pass   |

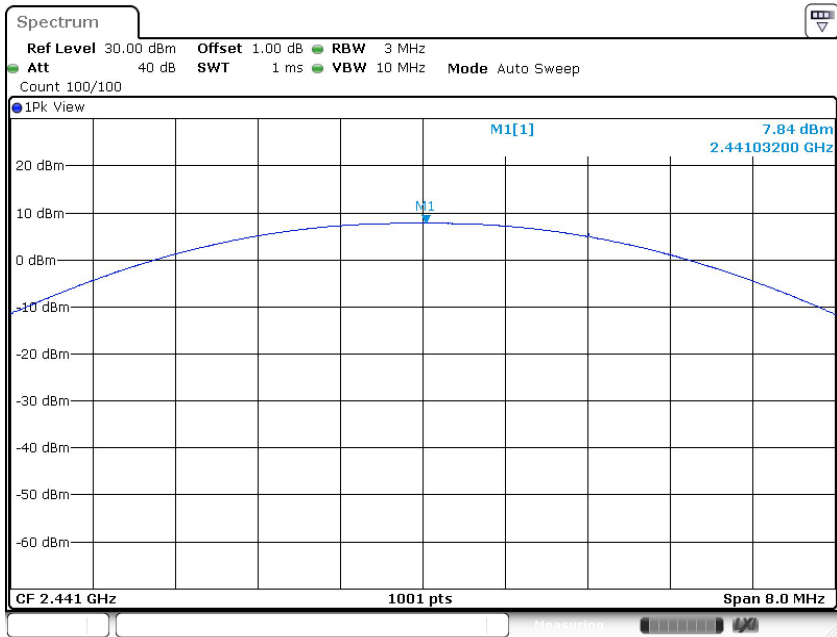
#### Low channel 2402MHz



Date: 18.AUG.2020 18:26:51

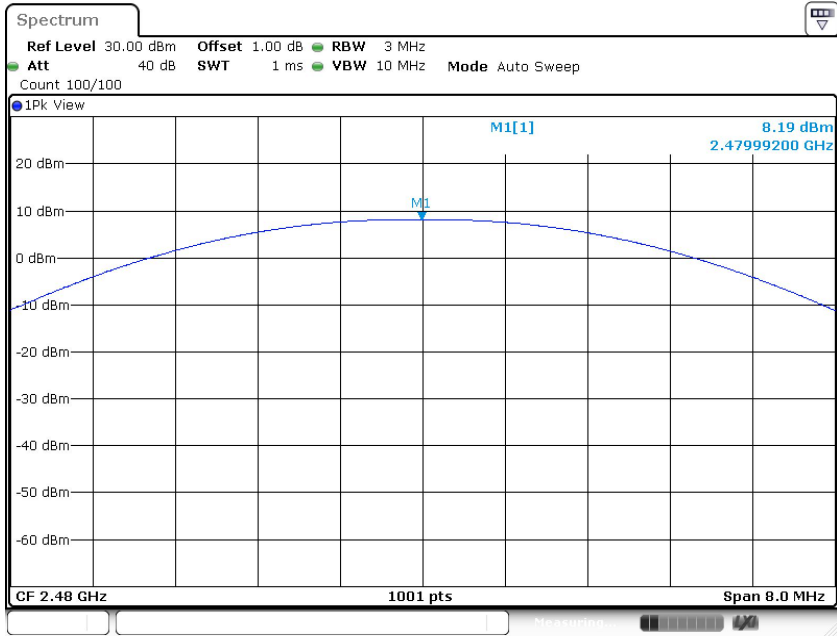


Middle channel 2441MHz



Date: 18.AUG.2020 18:30:33

High channel 2480MHz



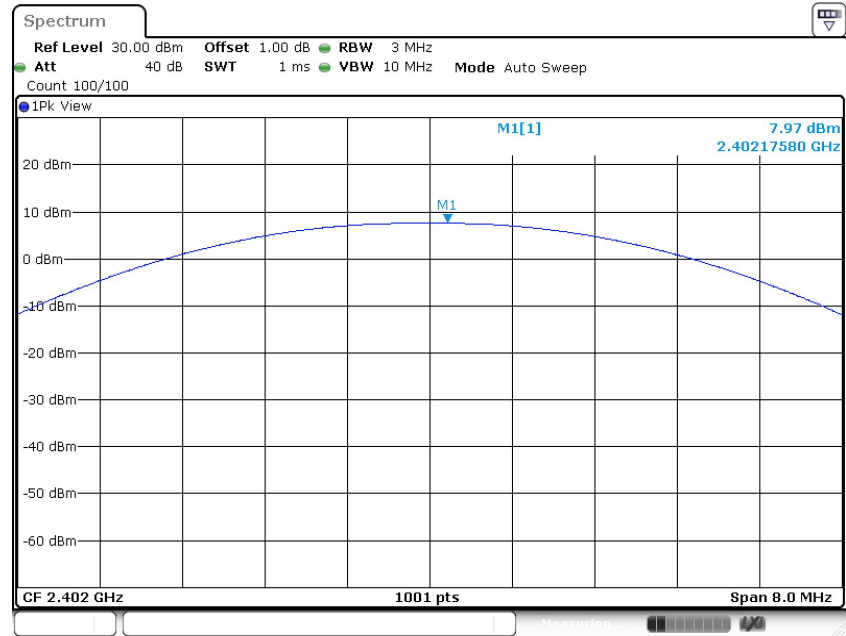
Date: 18.AUG.2020 18:39:10



Bluetooth Mode  $\pi/4$ -DQPSK modulation Test Result

| Frequency<br>MHz       | Conducted<br>Peak Output |                 | Result |
|------------------------|--------------------------|-----------------|--------|
|                        | Power<br>dBm             | e.i.r.p.<br>dBm |        |
| Low channel 2402MHz    | 7.97                     | 8.97            | Pass   |
| Middle channel 2441MHz | 7.82                     | 8.82            | Pass   |
| High channel 2480MHz   | 8.26                     | 9.26            | Pass   |

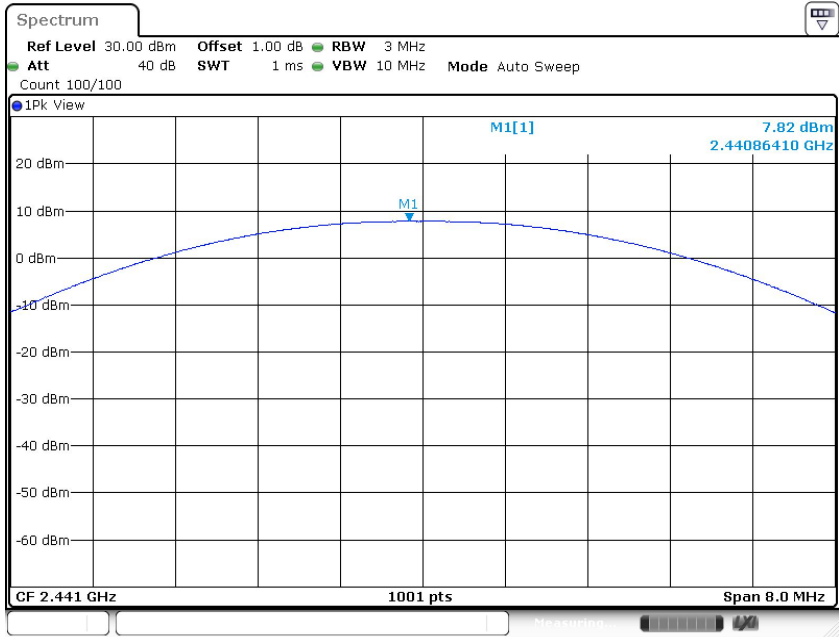
Low channel 2402MHz



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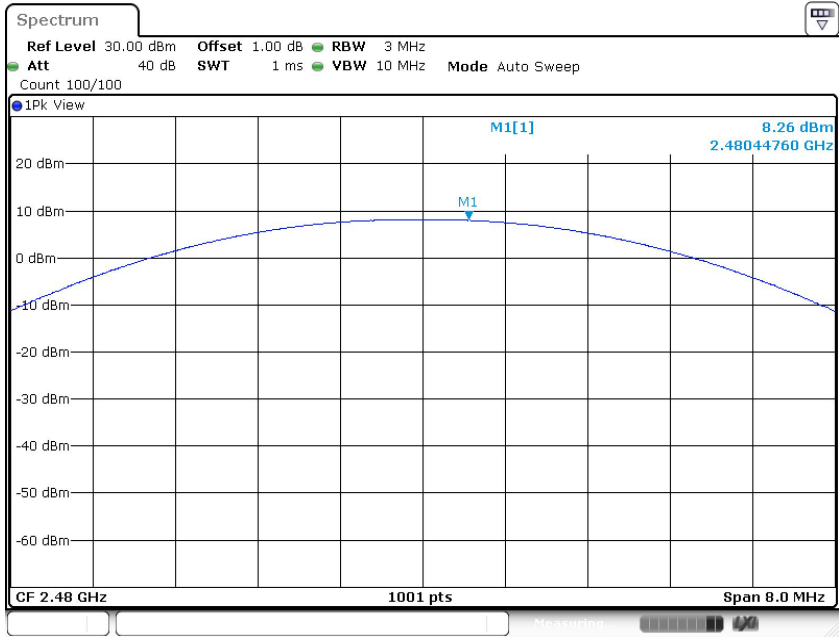


Middle channel 2441MHz



Date: 18.AUG.2020 18:40:41

High channel 2480MHz



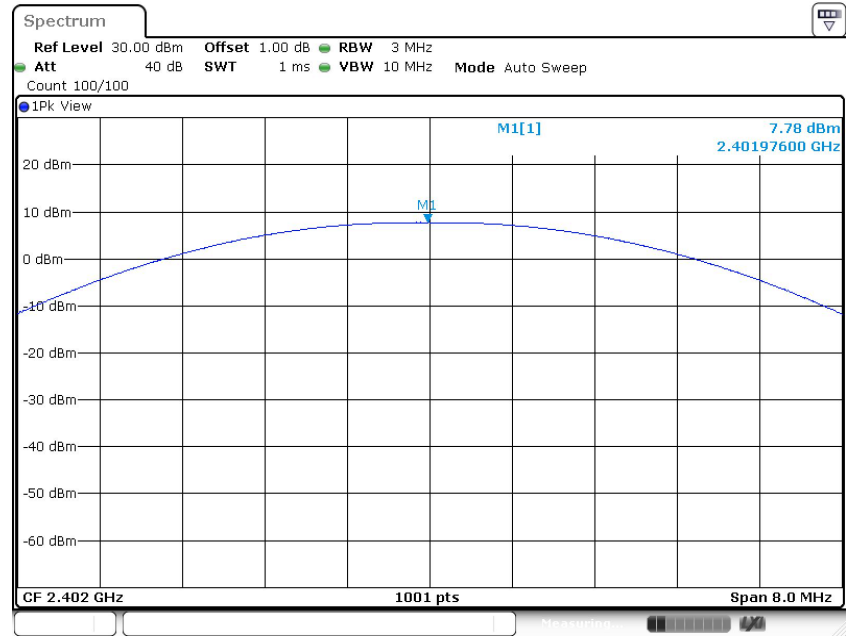
Date: 18.AUG.2020 18:41:03



Bluetooth Mode 8DPSK modulation Test Result

| Frequency<br>MHz       | Conducted<br>Peak Output<br>Power<br>dBm | e.i.r.p.<br>dBm | Result |
|------------------------|------------------------------------------|-----------------|--------|
|                        |                                          |                 |        |
| Low channel 2402MHz    | 7.78                                     | 8.78            | Pass   |
| Middle channel 2441MHz | 7.89                                     | 8.89            | Pass   |
| High channel 2480MHz   | 8.31                                     | 9.31            | Pass   |

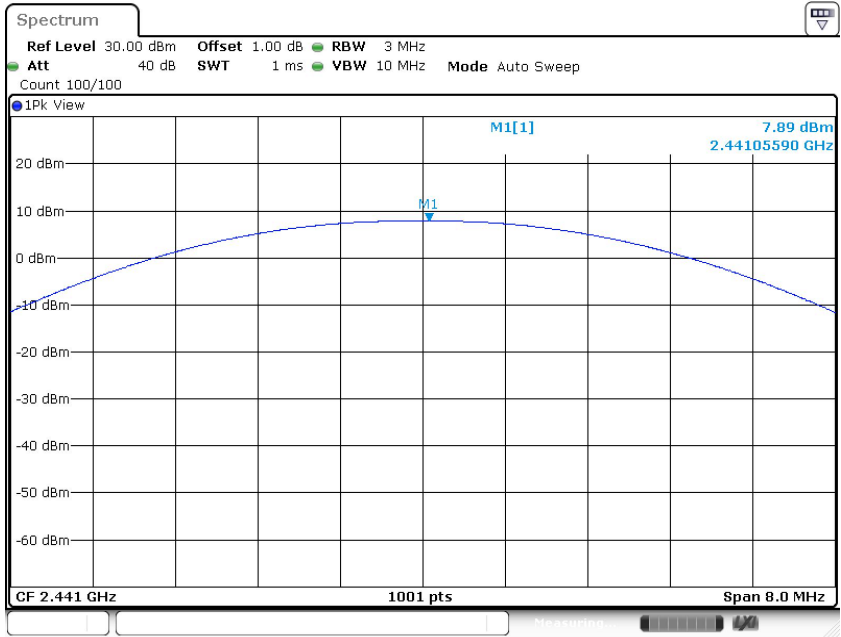
Low channel 2402MHz



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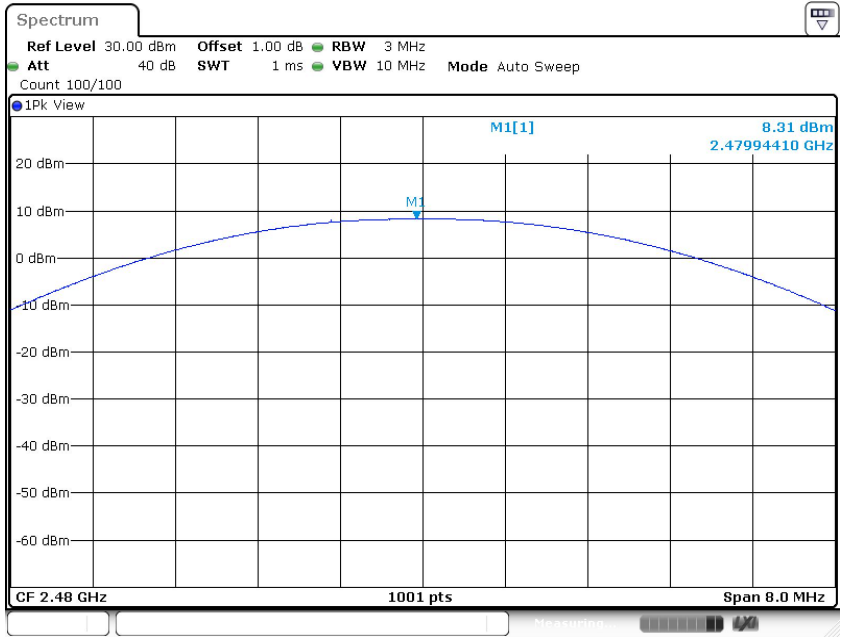


Middle channel 2441MHz



Date: 18.AUG.2020 18:42:51

High channel 2480MHz



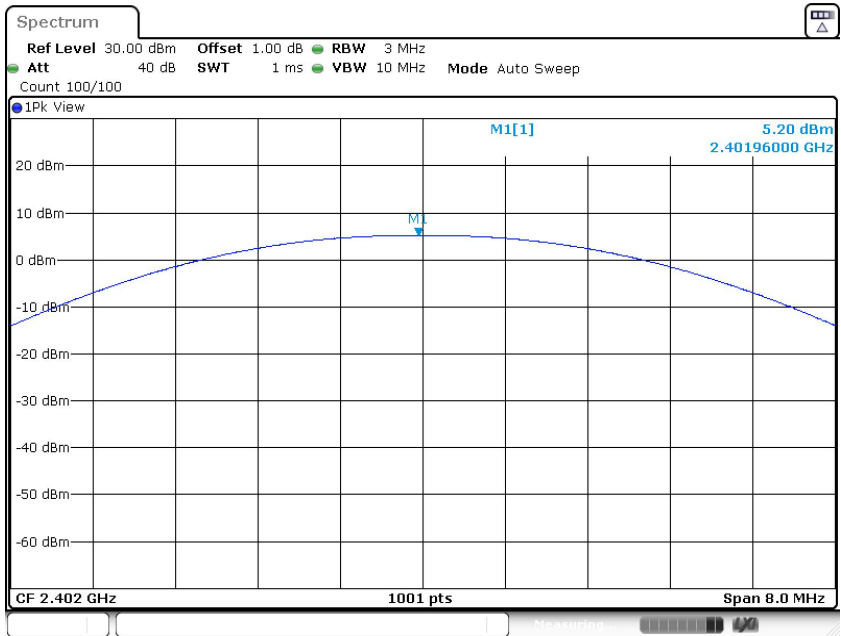
Date: 18.AUG.2020 18:43:00



Pi5 S2L:  
Bluetooth Mode GFSK modulation Test Result  
Conducted

| Frequency<br>MHz       | Peak Output<br>Power<br>dBm | e.i.r.p.<br>dBm | Result |
|------------------------|-----------------------------|-----------------|--------|
| Low channel 2402MHz    | 5.2                         | 2.2             | Pass   |
| Middle channel 2441MHz | 5.13                        | 2.13            | Pass   |
| High channel 2480MHz   | 4.8                         | 1.8             | Pass   |

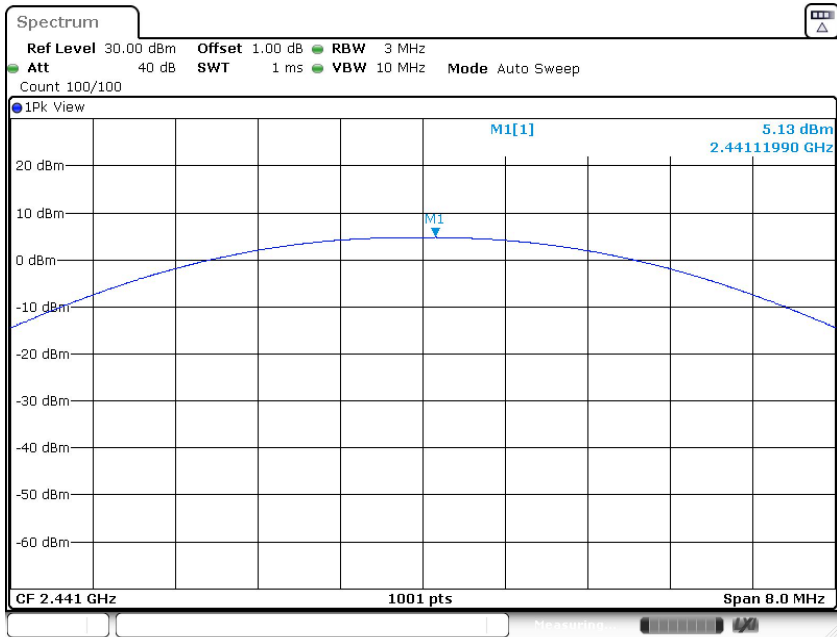
Low channel 2402MHz



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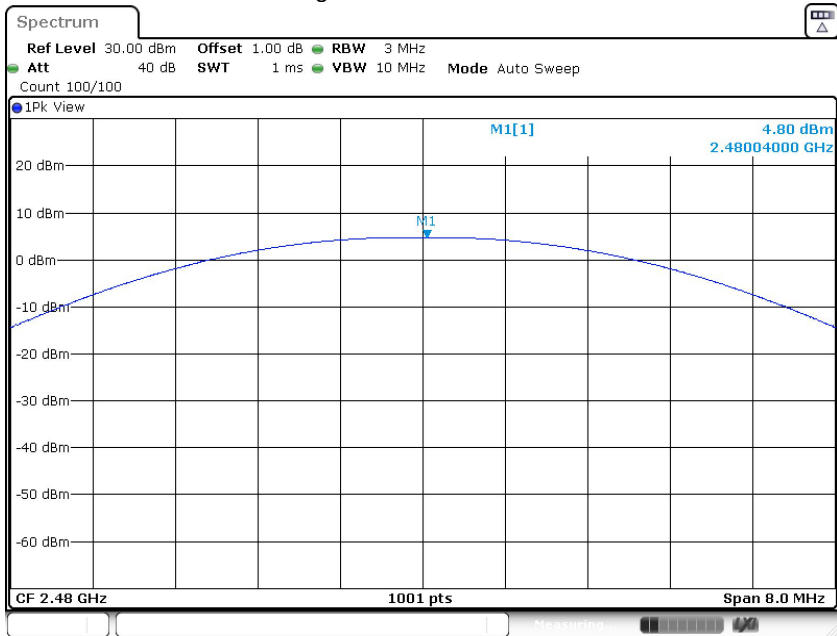


Middle channel 2441MHz



Date: 21.MAY.2022 11:36:43

High channel 2480MHz



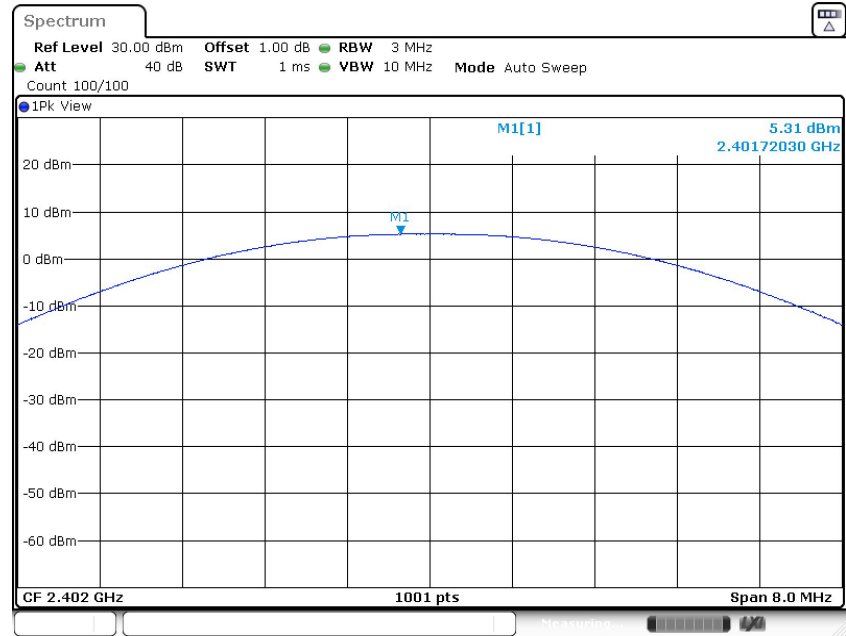
Date: 21.MAY.2022 11:36:52



Bluetooth Mode  $\pi/4$ -DQPSK modulation Test Result

| Frequency<br>MHz       | Conducted<br>Peak Output<br>Power<br>dBm | e.i.r.p.<br>dBm | Result |
|------------------------|------------------------------------------|-----------------|--------|
|                        |                                          |                 |        |
| Low channel 2402MHz    | 5.31                                     | 2.31            | Pass   |
| Middle channel 2441MHz | 4.75                                     | 1.75            | Pass   |
| High channel 2480MHz   | 4.93                                     | 1.93            | Pass   |

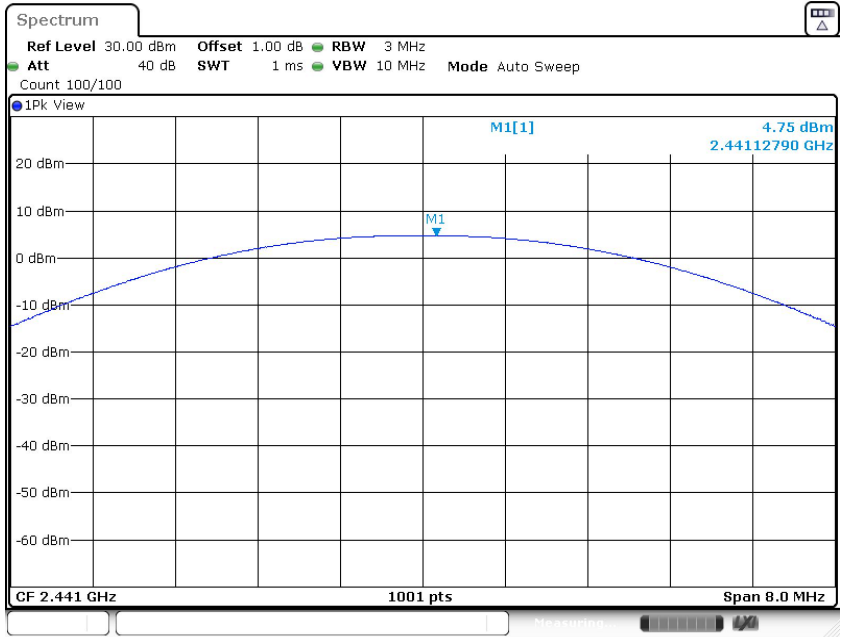
Low channel 2402MHz



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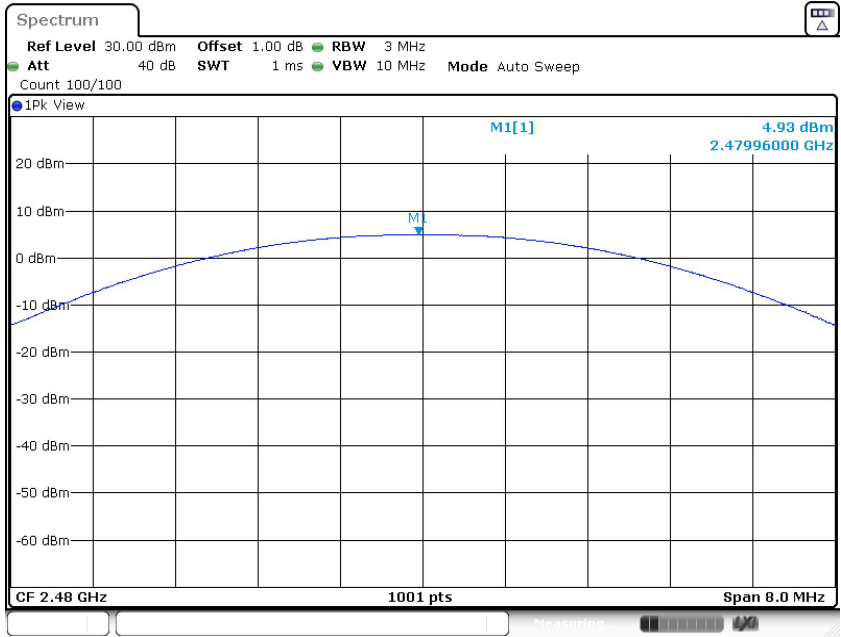


Middle channel 2441MHz



Date: 21.MAY.2022 11:37:36

High channel 2480MHz



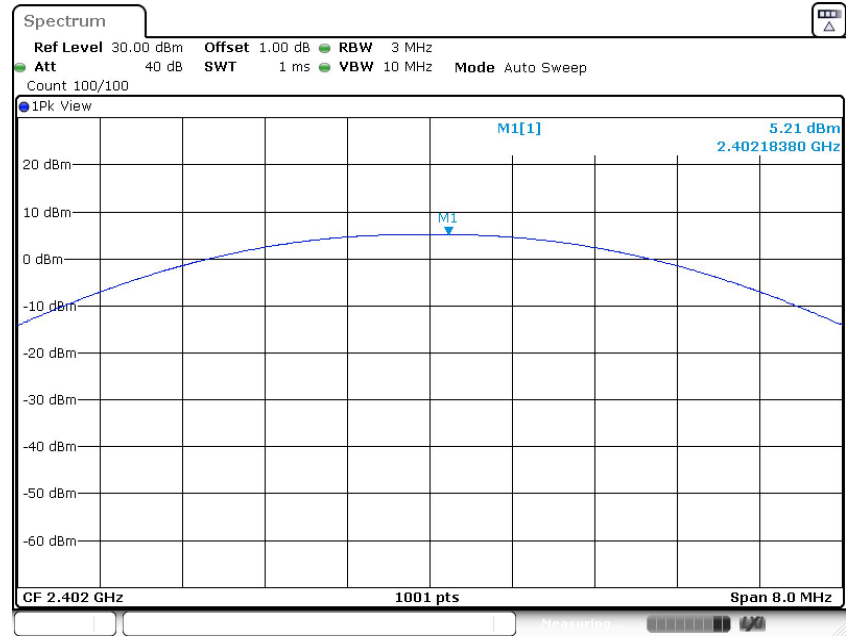
Date: 21.MAY.2022 11:37:51



Bluetooth Mode 8DPSK modulation Test Result

| Frequency<br>MHz       | Conducted<br>Peak Output<br>Power<br>dBm | e.i.r.p.<br>dBm | Result |
|------------------------|------------------------------------------|-----------------|--------|
|                        |                                          |                 |        |
| Low channel 2402MHz    | 5.21                                     | 2.21            | Pass   |
| Middle channel 2441MHz | 4.77                                     | 1.77            | Pass   |
| High channel 2480MHz   | 4.92                                     | 1.92            | Pass   |

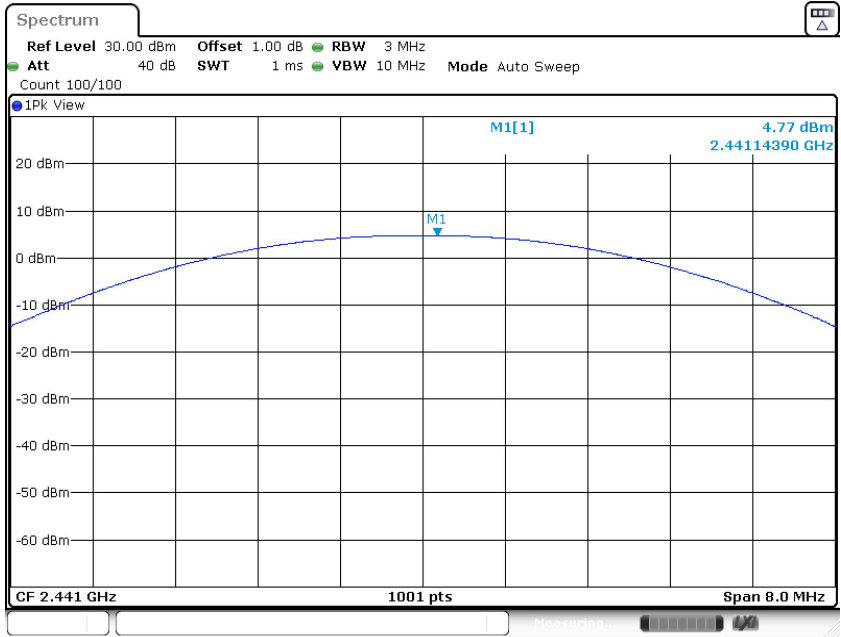
Low channel 2402MHz



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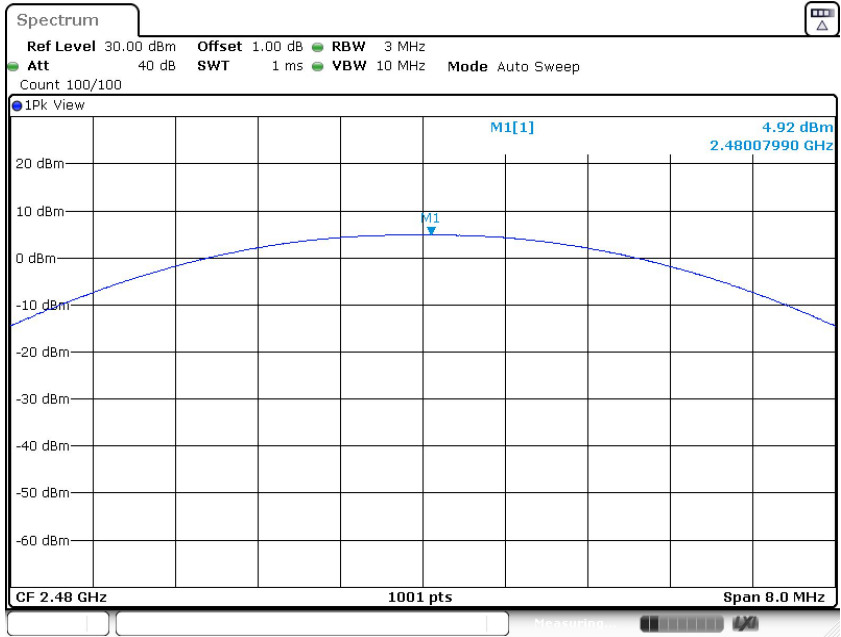


Middle channel 2441MHz



Date: 21.MAY.2022 11:38:46

High channel 2480MHz



Date: 21.MAY.2022 11:39:00

## 9.2 20 dB bandwidth and 99% Occupied Bandwidth

### Test Method

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.

### Limit

Limit [kHz]

---

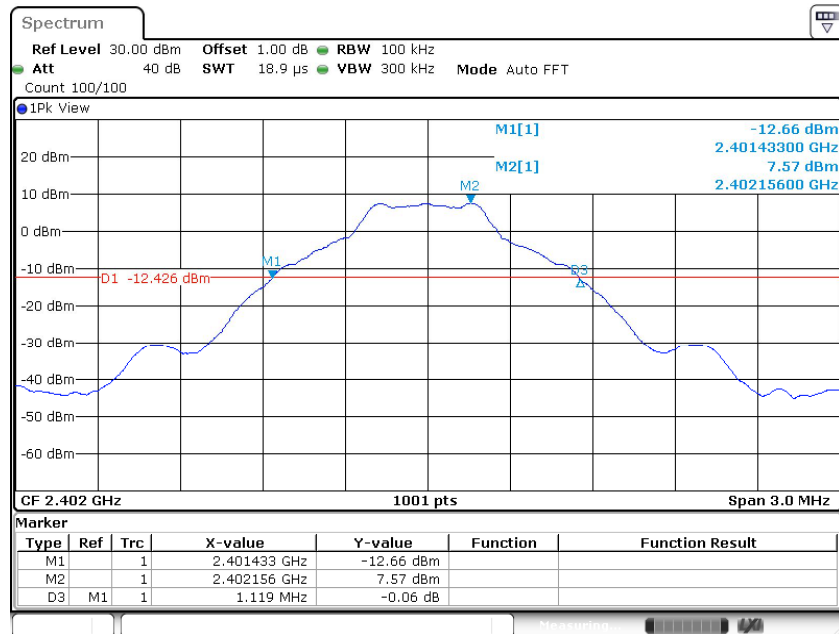
N/A

## 20 dB bandwidth and 99% Occupied Bandwidth

### Bluetooth Mode GFSK Modulation test result

| Frequency<br>MHz | 20 dB Bandwidth<br>kHz | 99% Bandwidth<br>kHz | Limit<br>kHz | Result |
|------------------|------------------------|----------------------|--------------|--------|
| 2402             | 1119                   | 869                  | --           | Pass   |
| 2441             | 1116                   | 866                  | --           | Pass   |
| 2480             | 1116                   | 866                  | --           | Pass   |

Low channel 2402MHz



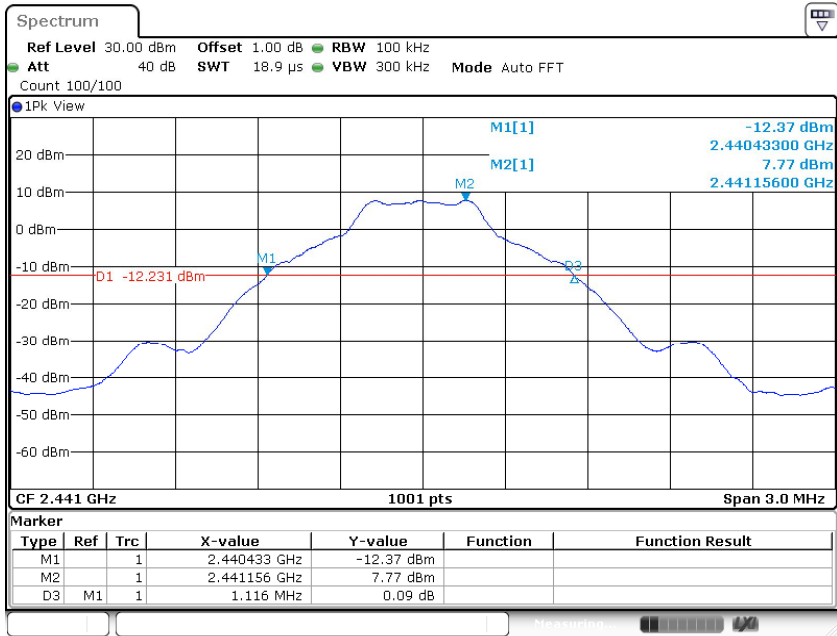
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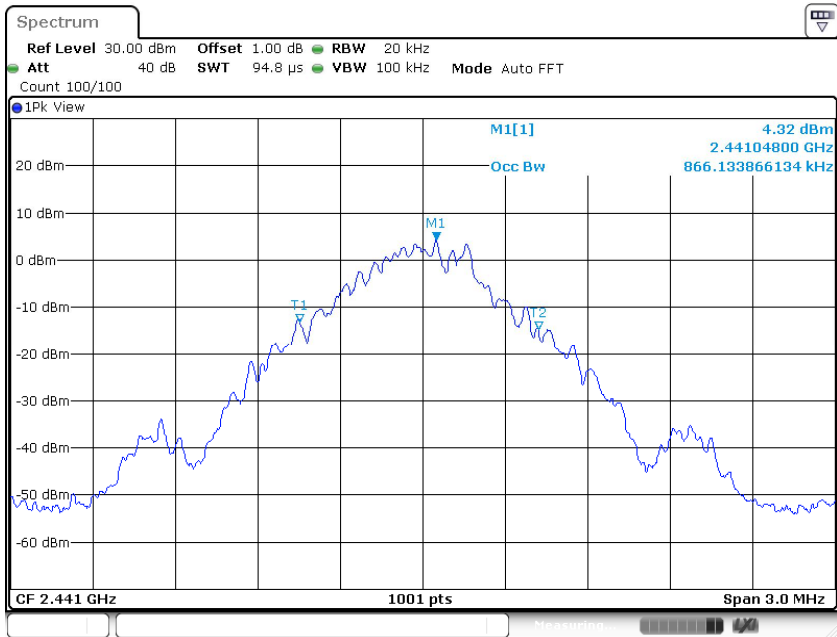
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Middle channel 2441MHz



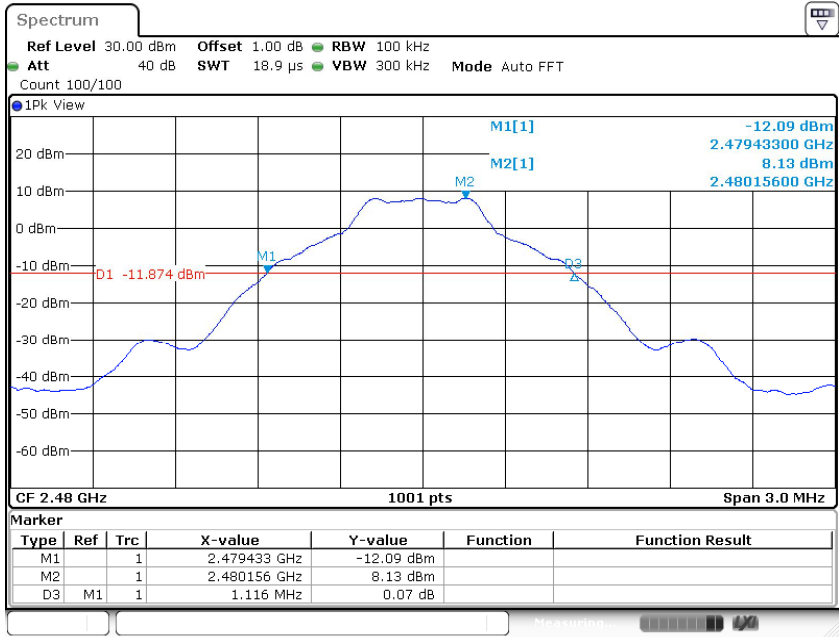
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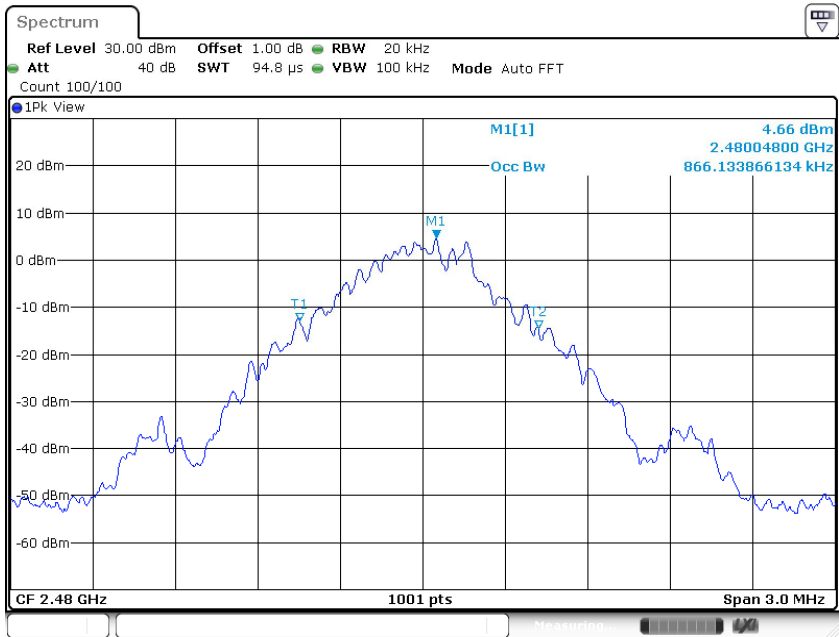
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High channel 2480MHz



Date: 18.AUG.2020 17:37:39



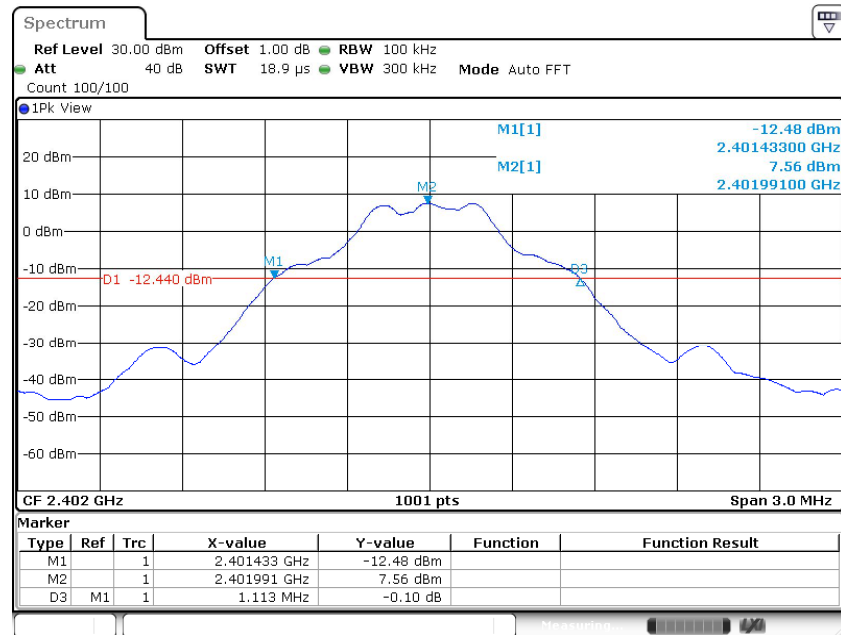
Date: 18.AUG.2020 17:37:50

## 20 dB bandwidth and 99% Occupied Bandwidth

### Bluetooth Mode $\pi/4$ -DQPSK Modulation test result

| Frequency<br>MHz | 20 dB Bandwidth<br>kHz | 99% Bandwidth<br>kHz | Limit<br>kHz | Result |
|------------------|------------------------|----------------------|--------------|--------|
| 2402             | 1113                   | 809                  | --           | Pass   |
| 2441             | 1110                   | 803                  | --           | Pass   |
| 2480             | 1113                   | 803                  | --           | Pass   |

Low channel 2402MHz



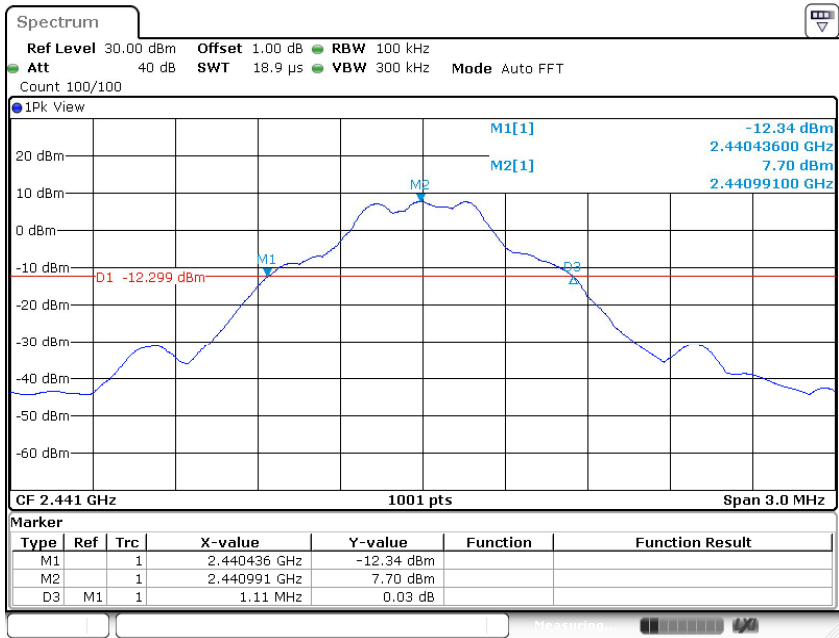
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Date: 18.AUG.2020 17:39:50



Middle channel 2441MHz



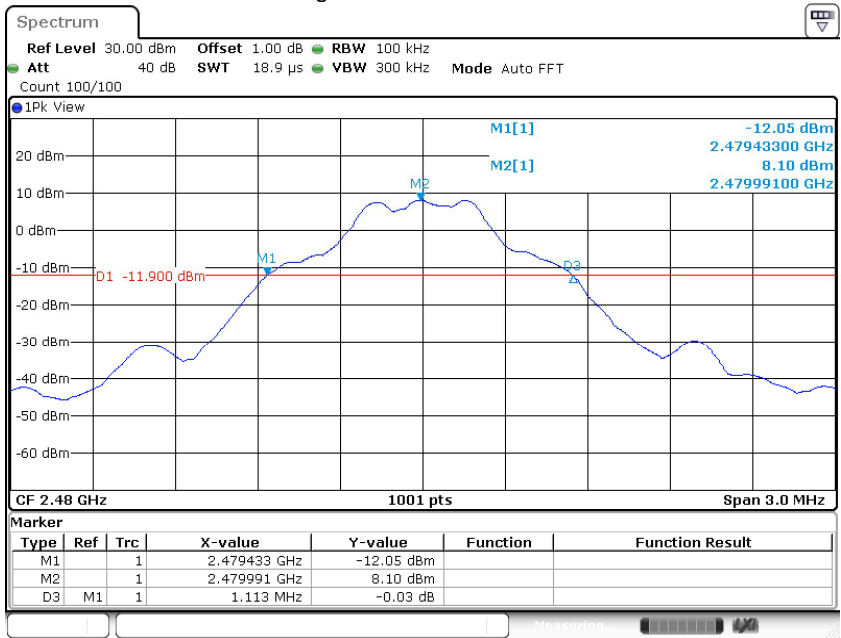
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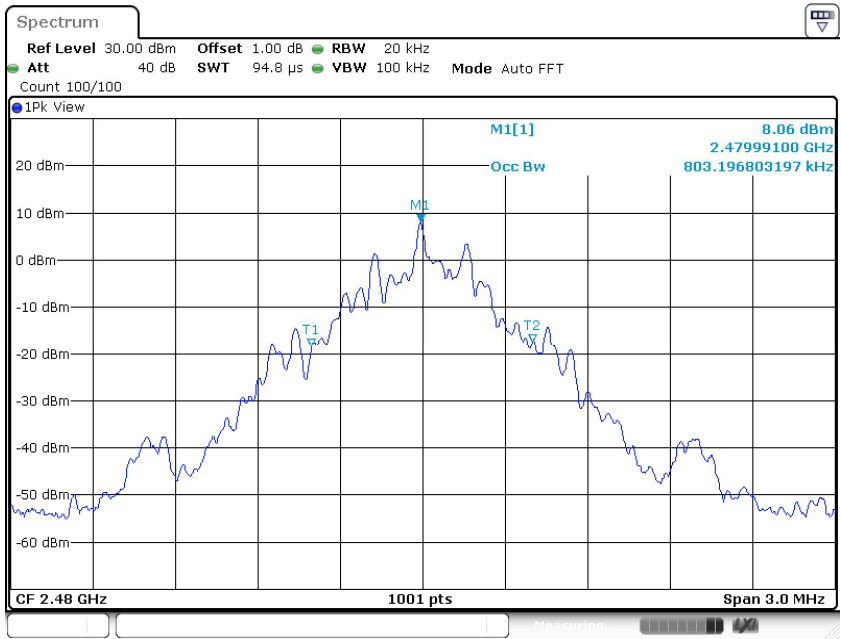
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High channel 2480MHz



Date: 18.AUG.2020 17:45:40



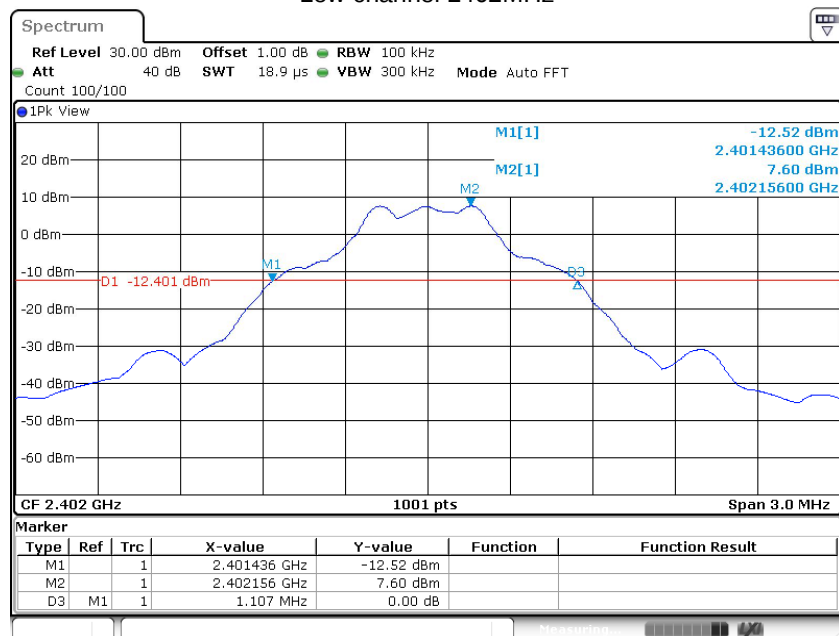
Date: 18.AUG.2020 17:45:51

## 20 dB bandwidth and 99% Occupied Bandwidth

### Bluetooth Mode 8DPSK Modulation test result

| Frequency<br>MHz | 20 dB Bandwidth<br>kHz | 99% Bandwidth<br>kHz | Limit<br>kHz | Result |
|------------------|------------------------|----------------------|--------------|--------|
| 2402             | 1107                   | 782                  | --           | Pass   |
| 2441             | 1104                   | 773                  | --           | Pass   |
| 2480             | 1104                   | 773                  | --           | Pass   |

Low channel 2402MHz



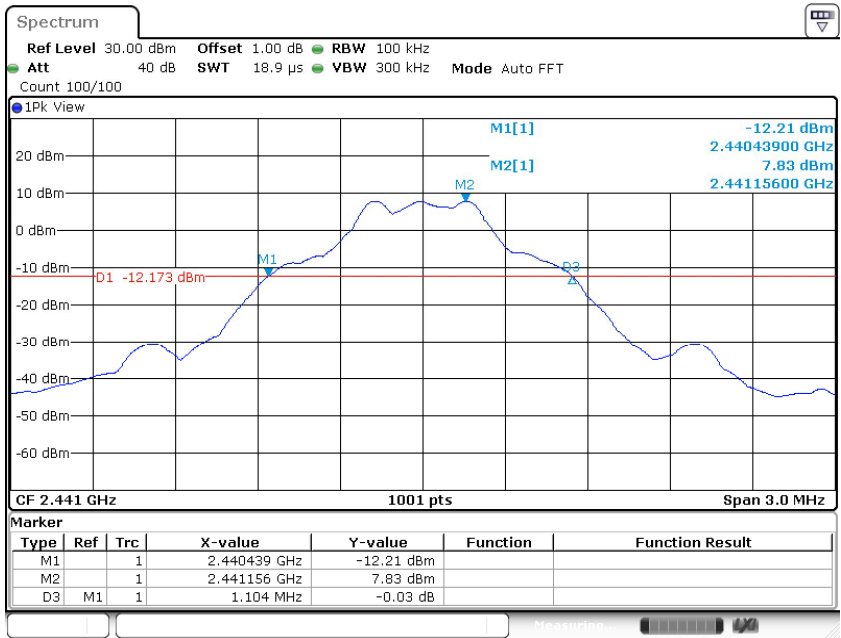
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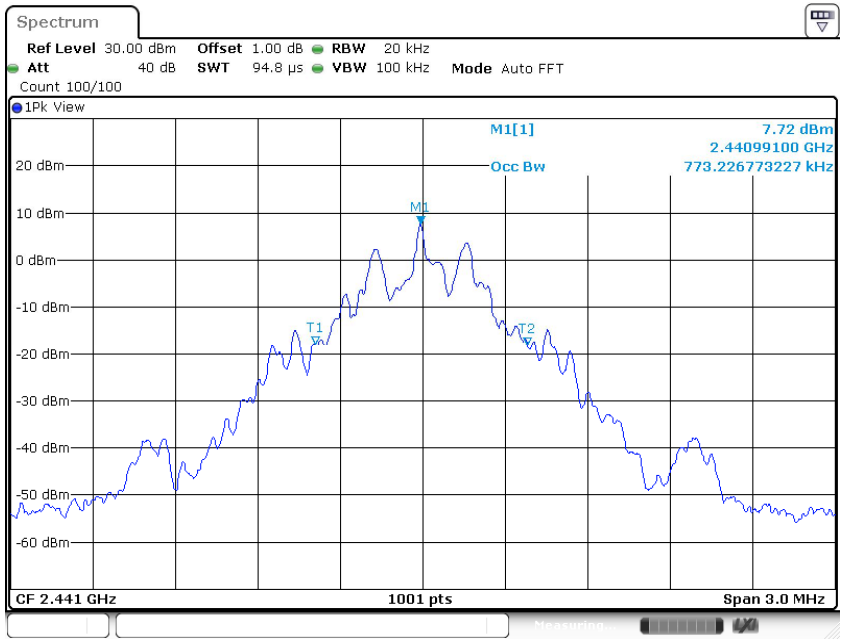
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Middle channel 2441MHz



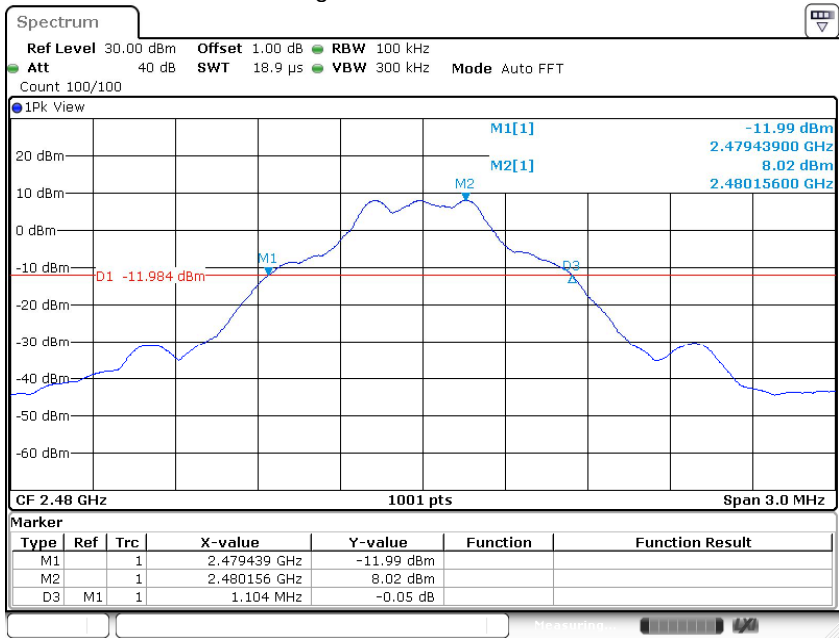
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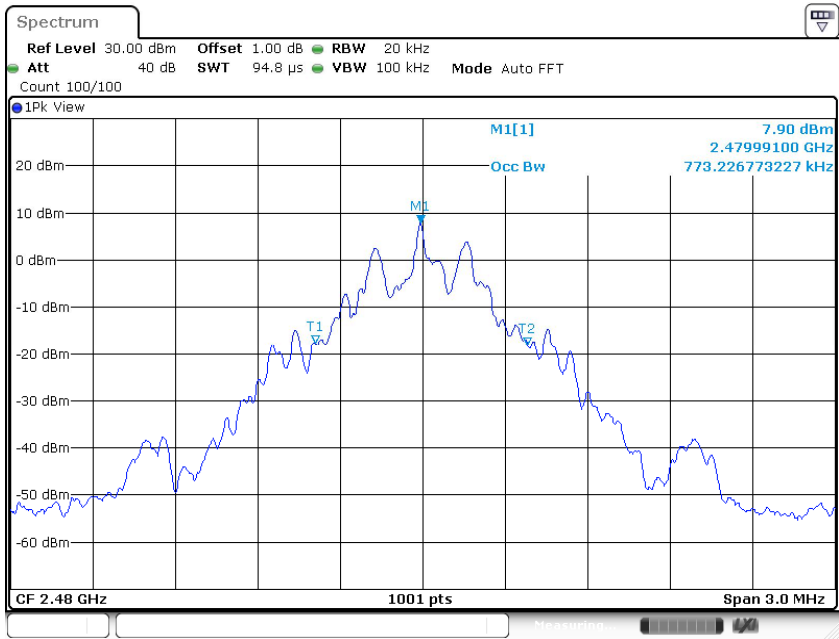
Date: 18.AUG.2020 17:51:06



High channel 2480MHz



Date: 18.AUG.2020 17:53:55



Date: 18.AUG.2020 17:54:05

### 9.3 Carrier Frequency Separation

#### Test Method

1. Use the following spectrum analyzer settings:  
Span = wide enough to capture the peaks of two adjacent channels, RBW  $\geq$  1% of the span, VBW  $\geq$  RBW, Sweep = auto, Detector function = peak
2. By using the Max-Hold function record the separation of two adjacent channels.
3. Measure the frequency difference of these two adjacent channels by spectrum analyzer marker function.
4. Repeat above procedures until all frequencies measured were complete.

#### Limit

| Limit<br>kHz                                                         |                               |
|----------------------------------------------------------------------|-------------------------------|
| $\geq 25\text{kHz}$ or $2/3$ of the 20 dB bandwidth which is greater |                               |
| GFSK Modulation Limit                                                |                               |
| Test Mode                                                            | 2/3 of 20 dB Bandwidth<br>kHz |
| DH5                                                                  | 744                           |
| 2DH5                                                                 | 740                           |
| 3DH5                                                                 | 736                           |

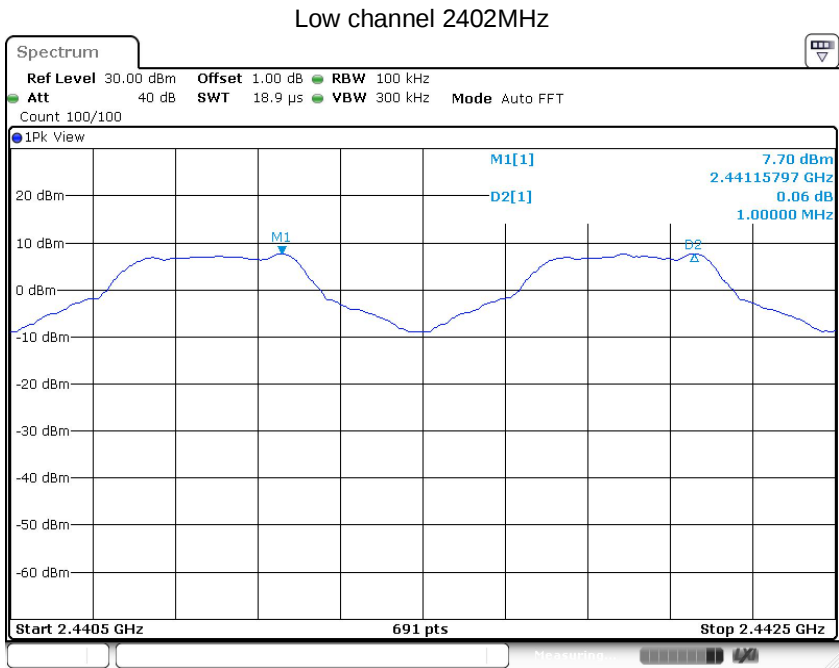


Carrier Frequency Separation

Test result: The measurement was performed with the typical configuration (normal hopping status), here GFSK modulation mode was used to show compliance.

GFSK Modulation test result

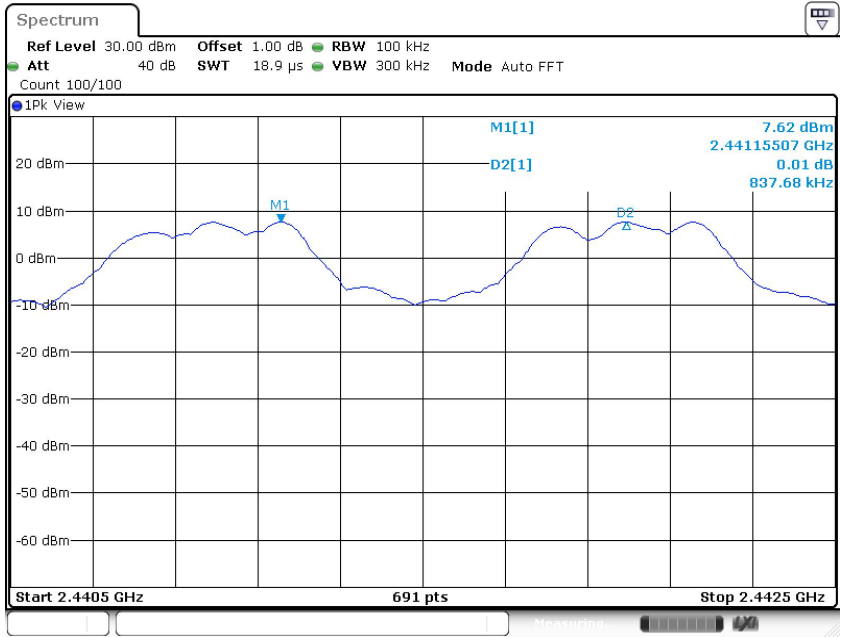
| Test Mode | Carrier Frequency Separation | Result |
|-----------|------------------------------|--------|
|           | kHz                          |        |
| DH5       | 1000                         | Pass   |
| 2DH5      | 838                          | Pass   |
| 3DH5      | 1003                         | Pass   |



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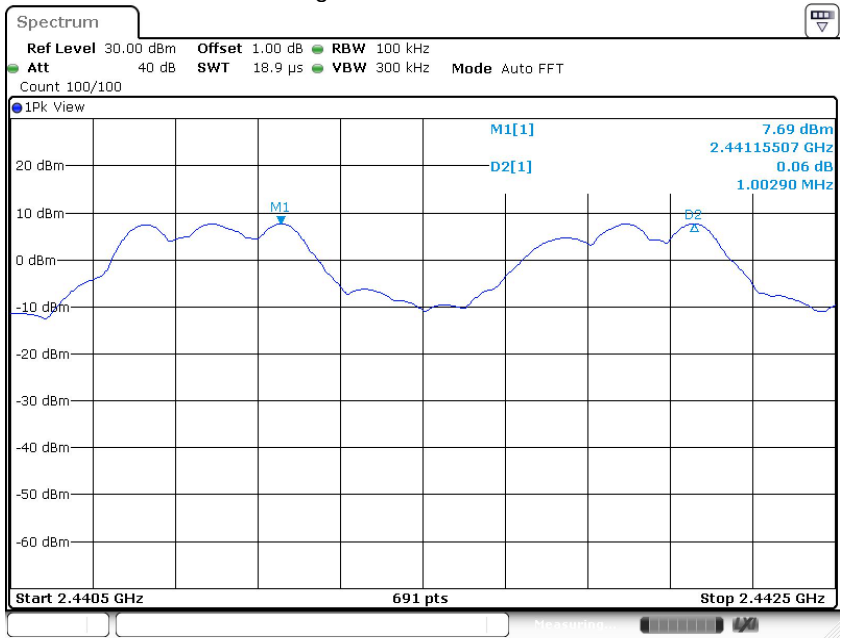


Middle channel 2441MHz



Date: 18.AUG.2020 18:11:32

High channel 2480MHz



Date: 18.AUG.2020 18:20:26

## 9.4 Number of hopping frequencies

### Test Method

1. Use the following spectrum analyzer settings:  
Span = wide enough to capture the peaks of two adjacent channels,  $RBW \geq 1\%$  of the span,  $VBW \geq RBW$ , Sweep = auto, Detector function = peak
2. Set the spectrum analyzer on Max-Hold Mode, and then keep the EUT in hopping mode.
3. Record all the signals from each channel until each one has been recorded.
4. Repeat above procedures until all frequencies measured were complete.

### Limit

Limit  
number

---

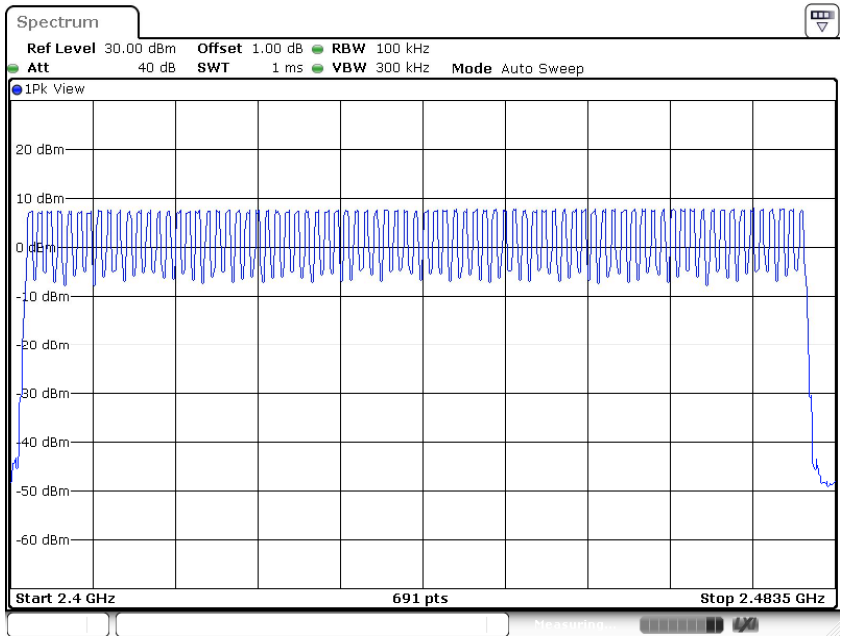
$\geq 15$



Number of hopping frequencies

Test result: The measurement was performed with the typical configuration (normal hopping status), and the total hopping channels is constant for the all modulation mode according with the Bluetooth Core Specification. Here GFSK modulation mode was used to show compliance.

| Number of hopping frequencies | Result |
|-------------------------------|--------|
| 79                            | Pass   |



Date: 18.AUG.2020 17:58:55

## 9.5 Dwell Time

### Test Method

1. Connect EUT antenna terminal to the spectrum analyzer with a low loss cable.  
Equipment mode: Spectrum analyzer
2. RBW: 1MHz; VBW: 1MHz; SPAN: Zero Span
3. Adjust the center frequency of spectrum analyzer on any frequency be measured.
4. Measure the Dwell Time by spectrum analyzer Marker function.
5. Repeat above procedures until all frequencies measured were complete.

### Limit

The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

## Dwell Time

### Dwell time

The maximum dwell time shall be 0.4 s.

According to the Bluetooth Core Specification, the worse result (DH5 mode) was reported to show compliance.

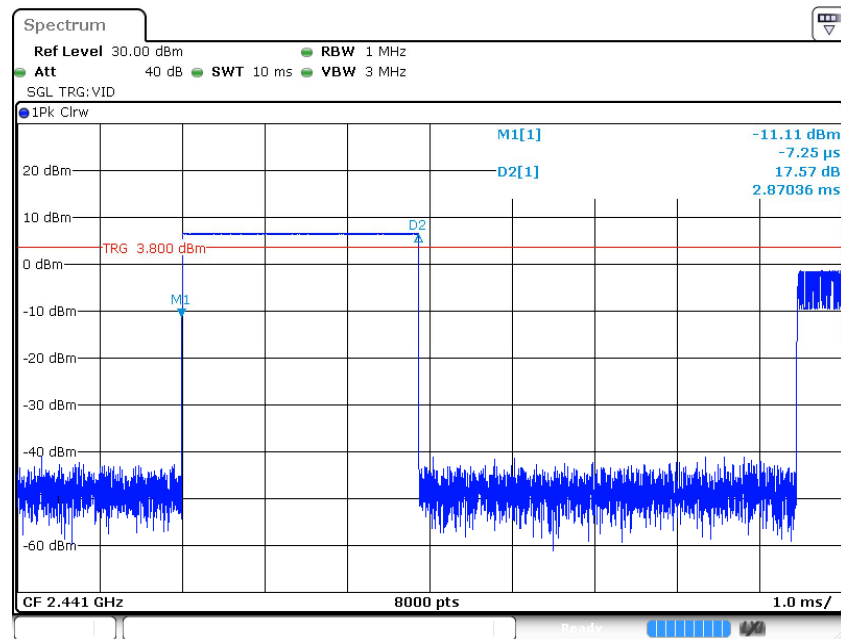
The Dwell Time = Burst Width \* Total Hops. The detailed calculations are showed as follows:

The duration for dwell time calculation:  $0.4 \text{ [s]} * \text{hopping number} = 0.4 \text{ [s]} * 79 \text{ [ch]} = 31.6 \text{ [s*ch]}$ ;

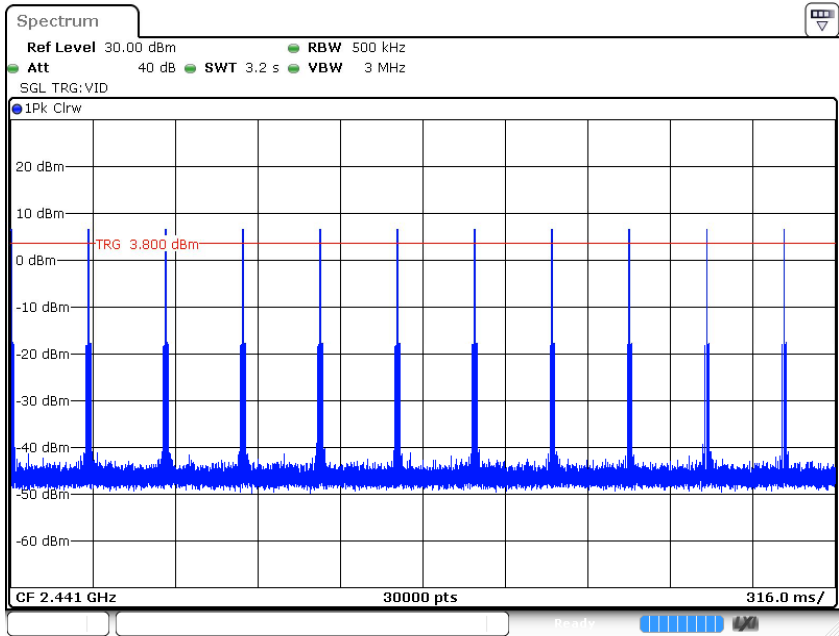
### Test Result

| TestMode | Channel | BurstWidth | TotalHops | Result | Limit      | Verdict |
|----------|---------|------------|-----------|--------|------------|---------|
| DH5      | Hop     | 2.87       | 110       | 0.316  | $\leq 0.4$ | PASS    |
| 2DH5     | Hop     | 2.88       | 110       | 0.317  | $\leq 0.4$ | PASS    |
| 3DH5     | Hop     | 2.88       | 110       | 0.317  | $\leq 0.4$ | PASS    |

### GFSK Modulation



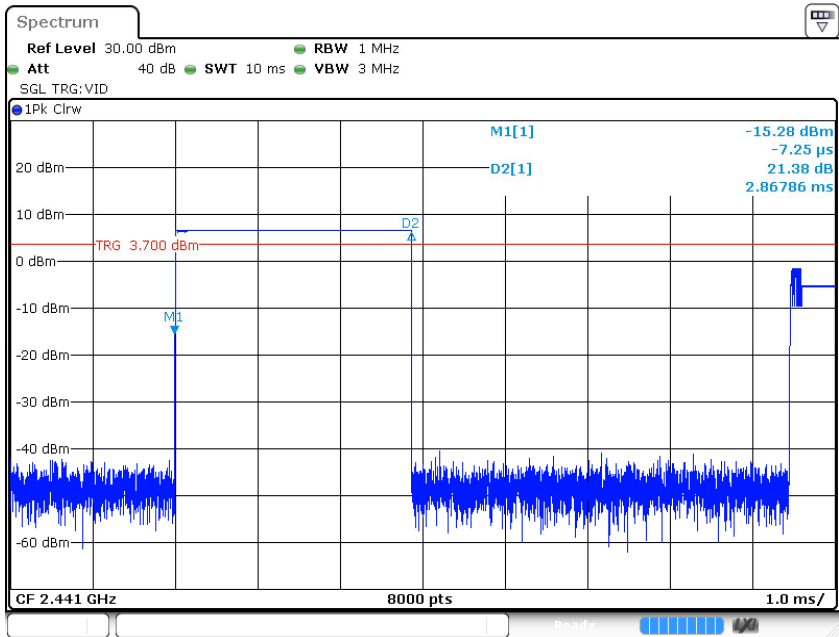
Date: 18.AUG.2020 17:59:07



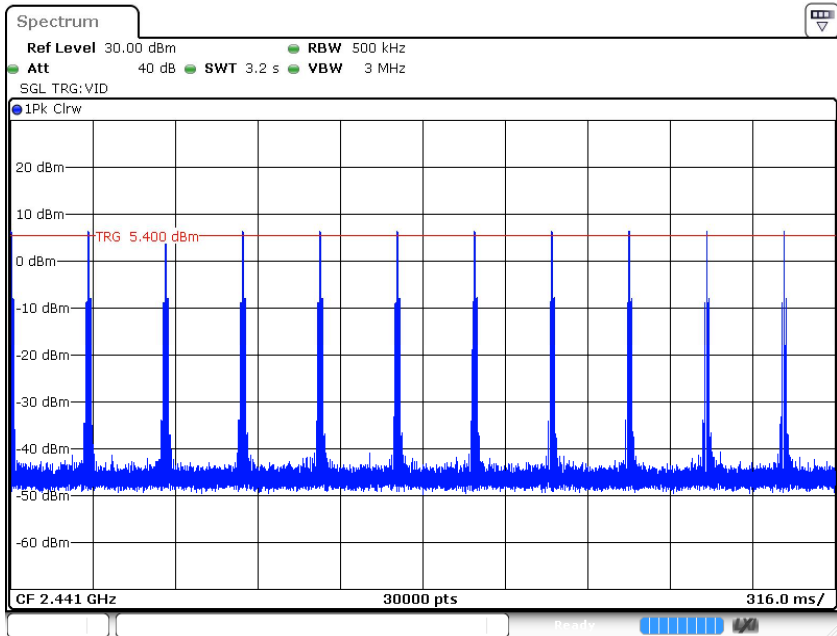
Date: 18.AUG.2020 17:59:12

DH5

$\pi/4$ -DQPSK Modulation



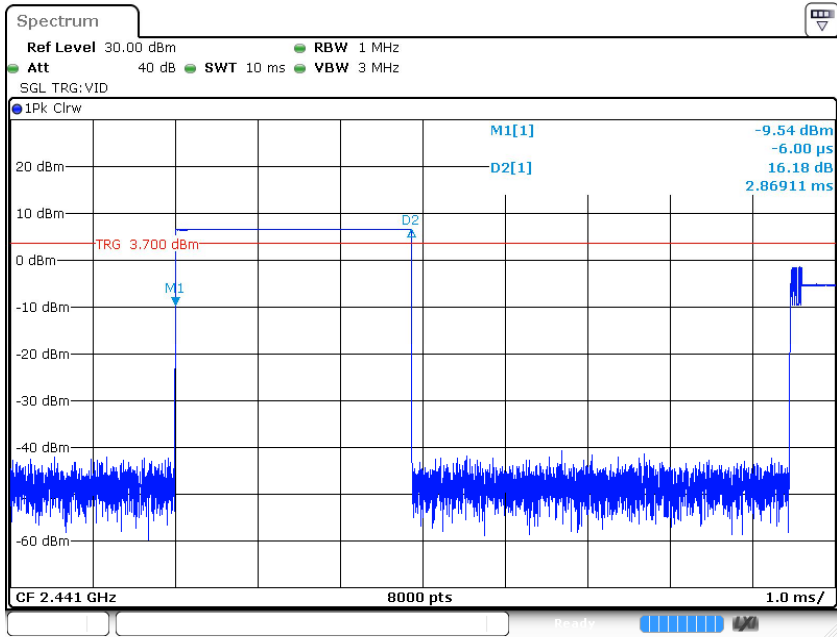
Date: 18.AUG.2020 18:12:49



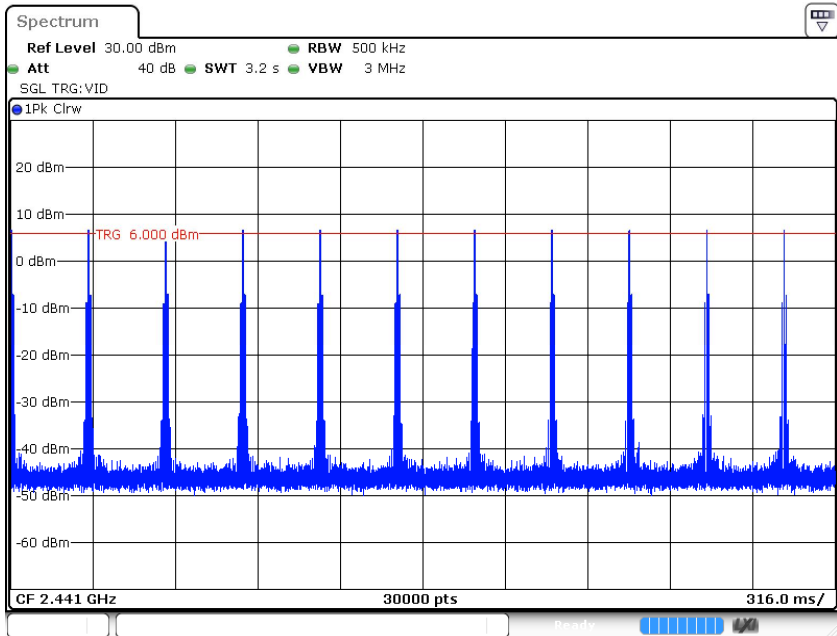
Date: 23.AUG.2020 15:33:07

2DH5

8-DPSK Modulation



Date: 18.AUG.2020 18:21:10



Date: 23.AUG.2020 15:37:18

3DH5

## 9.6 Spurious RF conducted emissions

### Test Method

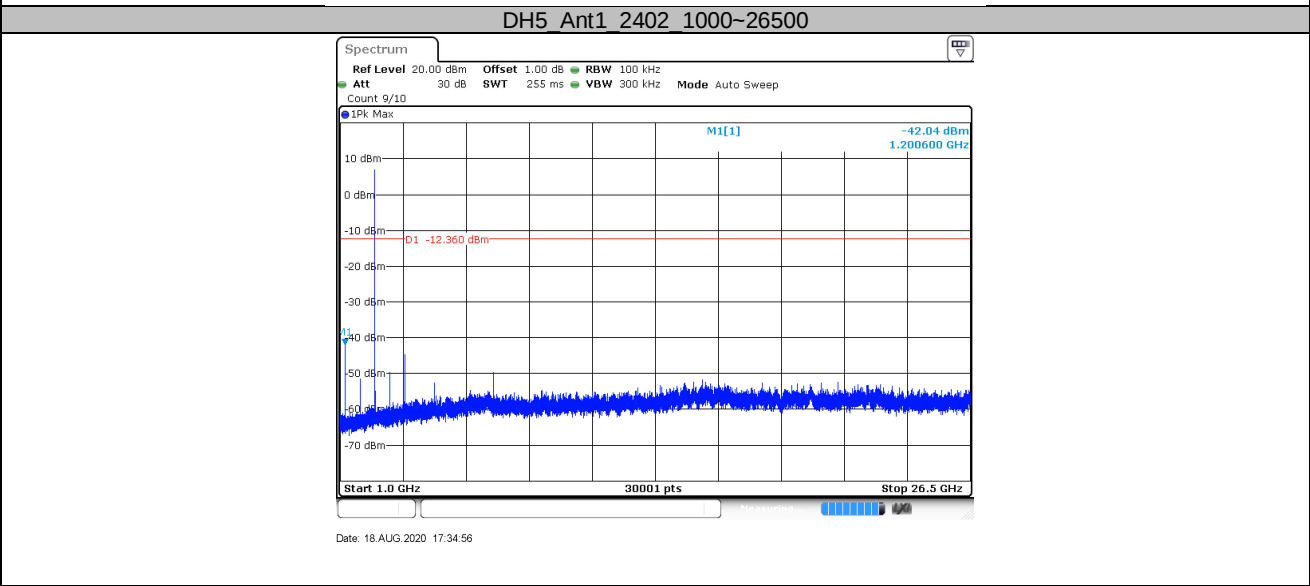
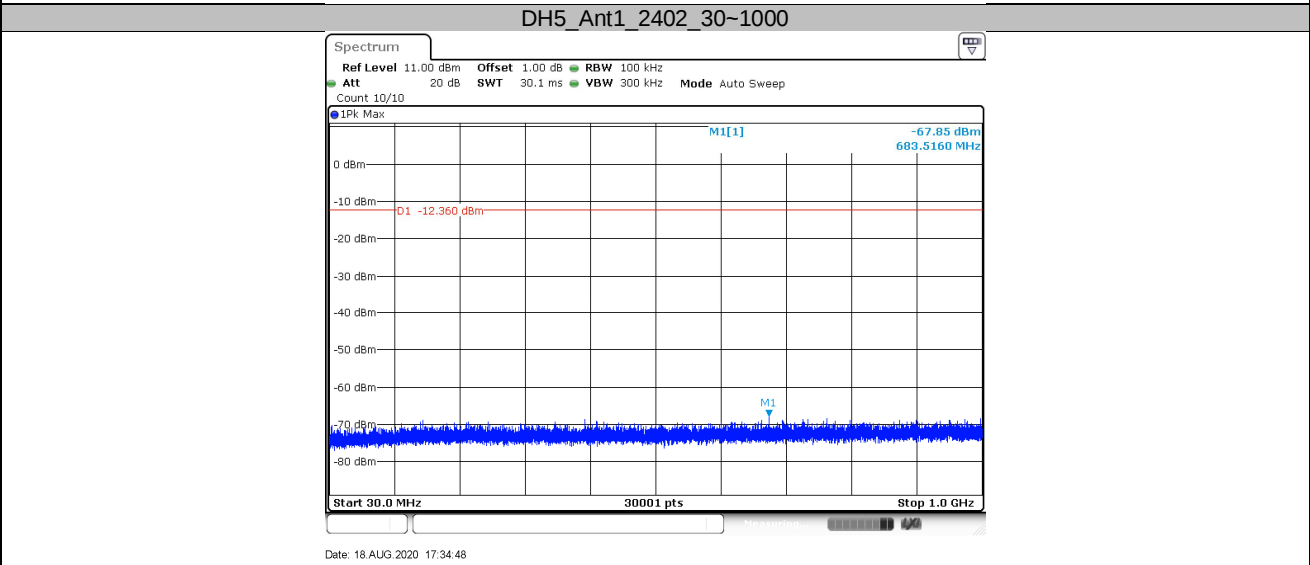
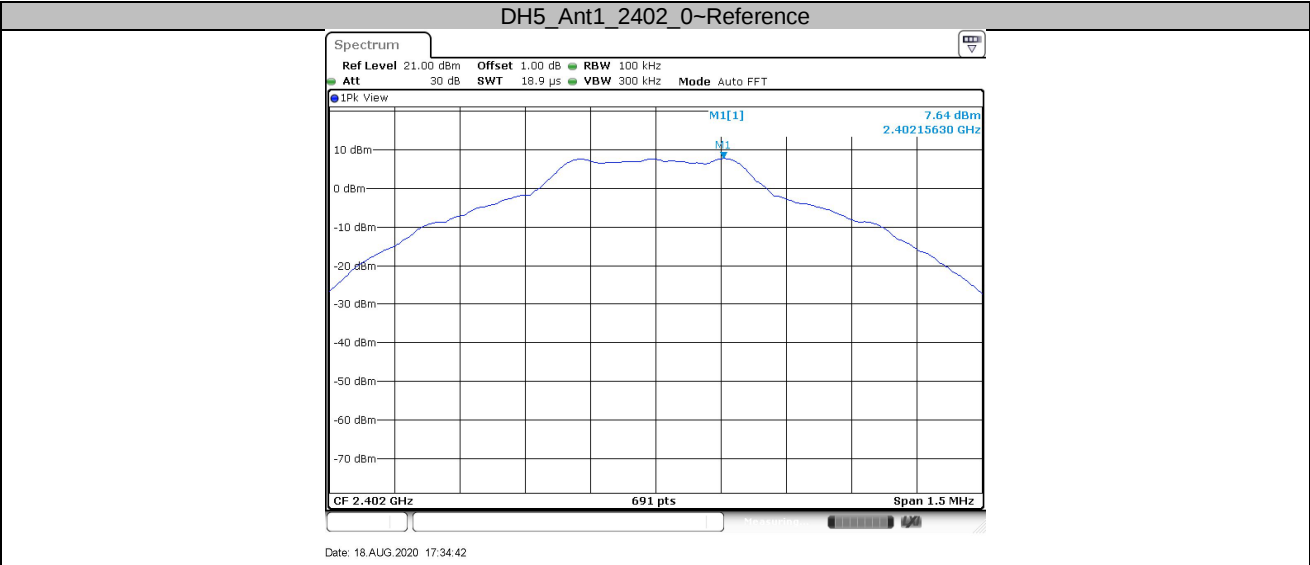
1. Use the following spectrum analyzer settings:  
Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10<sup>th</sup> harmonic. Typically, several plots are required to cover this entire span.  
RBW = 100 kHz, VBW ≥ RBW, Sweep = auto, Detector function = peak, Trace = max hold
2. Allow the trace to stabilize. Set the marker on the peak of any spurious emission recorded.
3. The level displayed must comply with the limit specified in this Section. Submit these plots.
4. Repeat above procedures until all frequencies measured were complete.

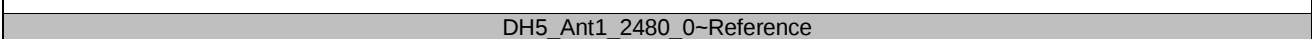
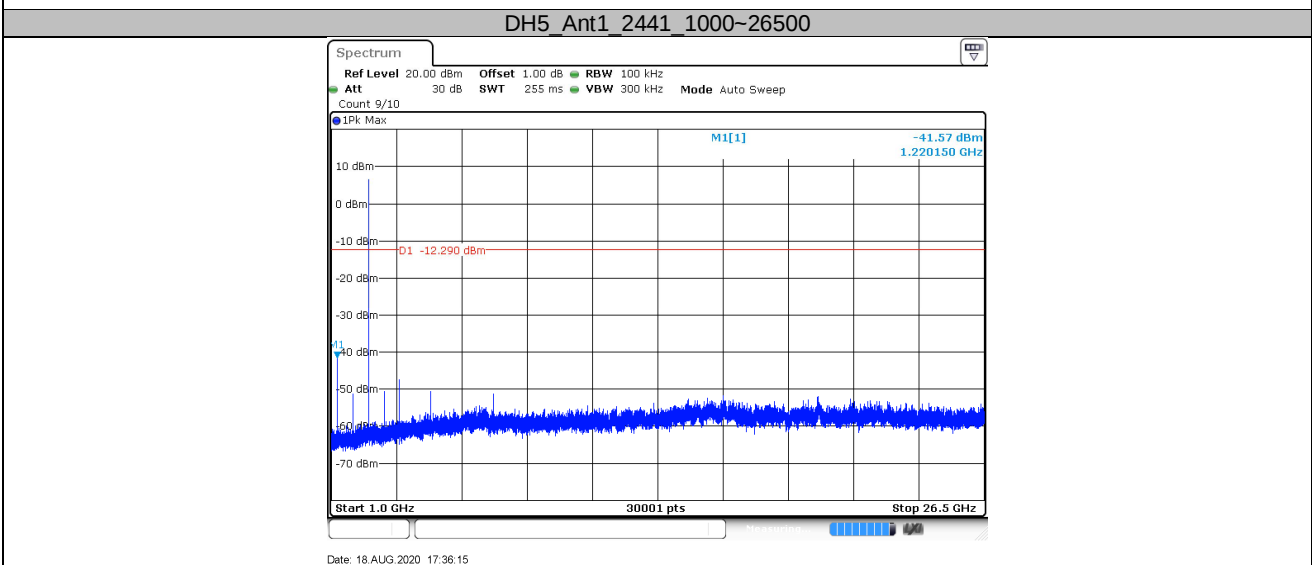
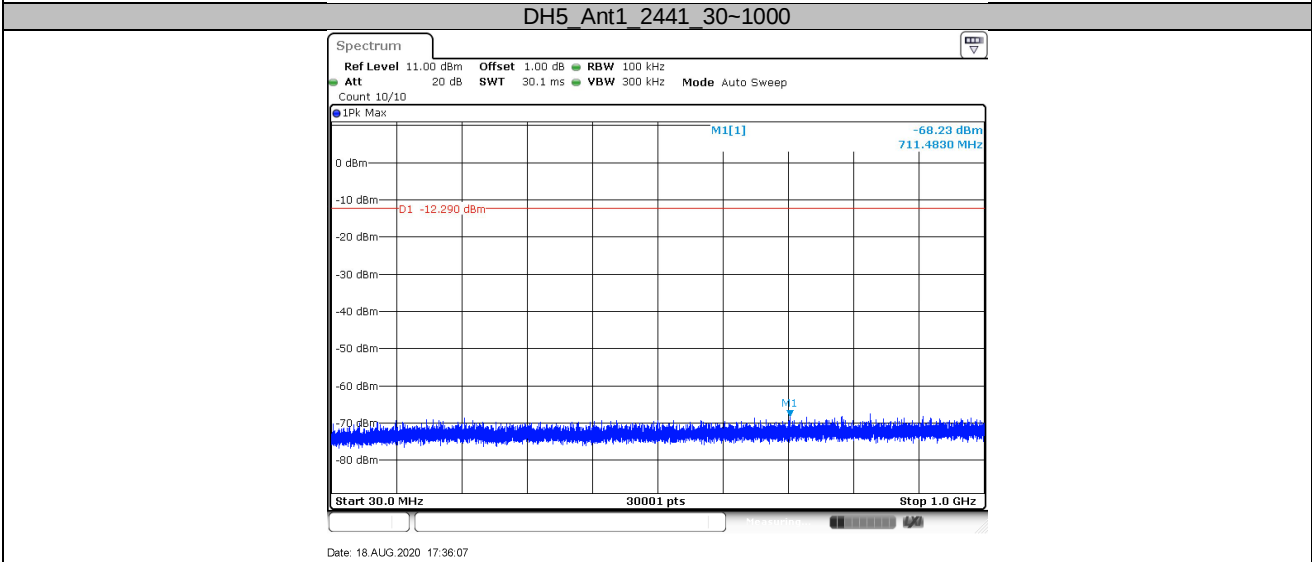
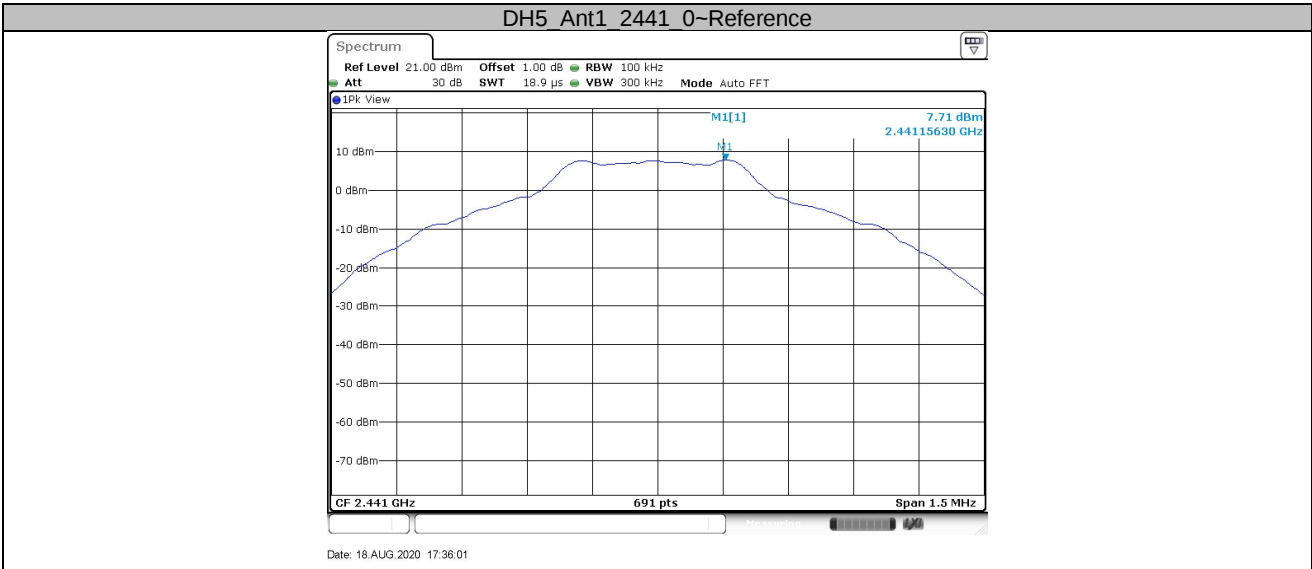
### Limit

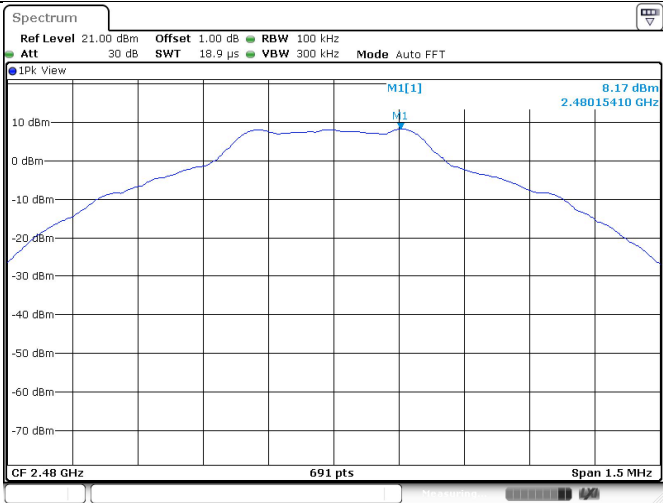
| Frequency Range<br>MHz | Limit (dBc) |
|------------------------|-------------|
| 30-25000               | -20         |

## Spurious RF conducted emissions

| TestMode | Antenna | Channel(MHz) | FreqRange(MHz) | RefLevel(MHz) | Result(dBm) | Limit(dBm) | Verdict |
|----------|---------|--------------|----------------|---------------|-------------|------------|---------|
| DH5      | Ant1    | 2402         | Reference      | 7.64          | 7.64        | ---        | PASS    |
|          |         |              | 30~1000        | 30~1000       | -67.85      | <=-12.36   | PASS    |
|          |         |              | 1000~26500     | 1000~26500    | -42.04      | <=-12.36   | PASS    |
|          |         | 2441         | Reference      | 7.71          | 7.71        | ---        | PASS    |
|          |         |              | 30~1000        | 30~1000       | -68.23      | <=-12.29   | PASS    |
|          |         |              | 1000~26500     | 1000~26500    | -41.57      | <=-12.29   | PASS    |
|          |         | 2480         | Reference      | 8.17          | 8.17        | ---        | PASS    |
|          |         |              | 30~1000        | 30~1000       | -67.49      | <=-11.83   | PASS    |
|          |         |              | 1000~26500     | 1000~26500    | -41.15      | <=-11.83   | PASS    |
| 2DH5     | Ant1    | 2402         | Reference      | 7.62          | 7.62        | ---        | PASS    |
|          |         |              | 30~1000        | 30~1000       | -67.33      | <=-12.38   | PASS    |
|          |         |              | 1000~26500     | 1000~26500    | -41.96      | <=-12.38   | PASS    |
|          |         | 2441         | Reference      | 7.64          | 7.64        | ---        | PASS    |
|          |         |              | 30~1000        | 30~1000       | -68.54      | <=-12.36   | PASS    |
|          |         |              | 1000~26500     | 1000~26500    | -41.35      | <=-12.36   | PASS    |
|          |         | 2480         | Reference      | 8.14          | 8.14        | ---        | PASS    |
|          |         |              | 30~1000        | 30~1000       | -68.13      | <=-11.86   | PASS    |
|          |         |              | 1000~26500     | 1000~26500    | -41.1       | <=-11.86   | PASS    |
| 3DH5     | Ant1    | 2402         | Reference      | 7.67          | 7.67        | ---        | PASS    |
|          |         |              | 30~1000        | 30~1000       | -61         | <=-12.33   | PASS    |
|          |         |              | 1000~26500     | 1000~26500    | -41.84      | <=-12.33   | PASS    |
|          |         | 2441         | Reference      | 7.77          | 7.77        | ---        | PASS    |
|          |         |              | 30~1000        | 30~1000       | -63.76      | <=-12.23   | PASS    |
|          |         |              | 1000~26500     | 1000~26500    | -41.63      | <=-12.23   | PASS    |
|          |         | 2480         | Reference      | 8.06          | 8.06        | ---        | PASS    |
|          |         |              | 30~1000        | 30~1000       | -68.14      | <=-11.94   | PASS    |
|          |         |              | 1000~26500     | 1000~26500    | -41.29      | <=-11.94   | PASS    |

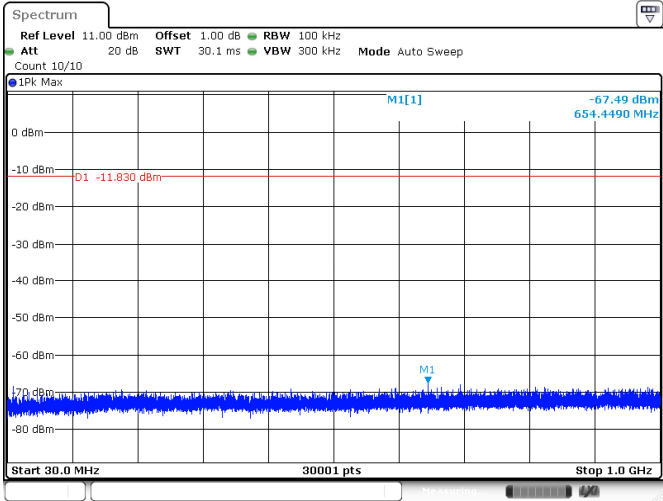






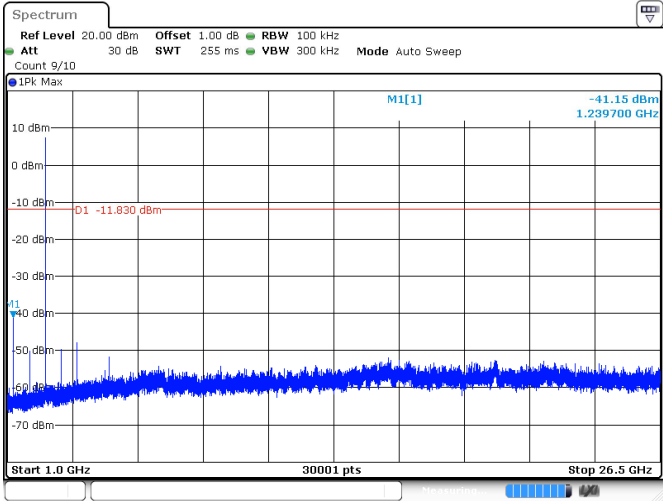
Date: 18 AUG 2020 17:38:05

DH5\_Ant1\_2480\_30~1000



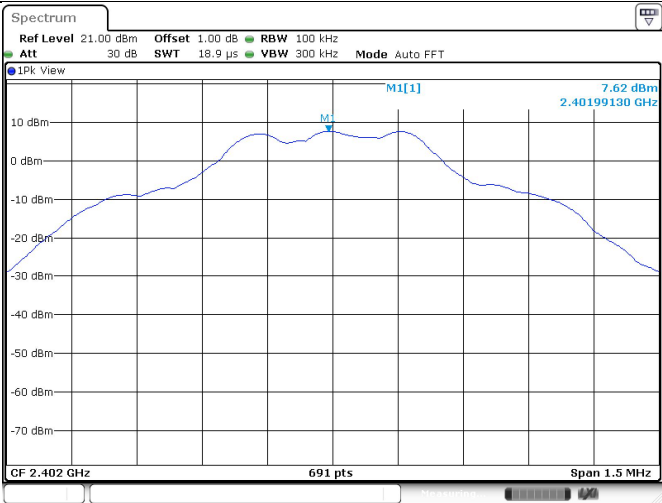
Date: 18 AUG 2020 17:38:11

DH5\_Ant1\_2480\_1000~26500



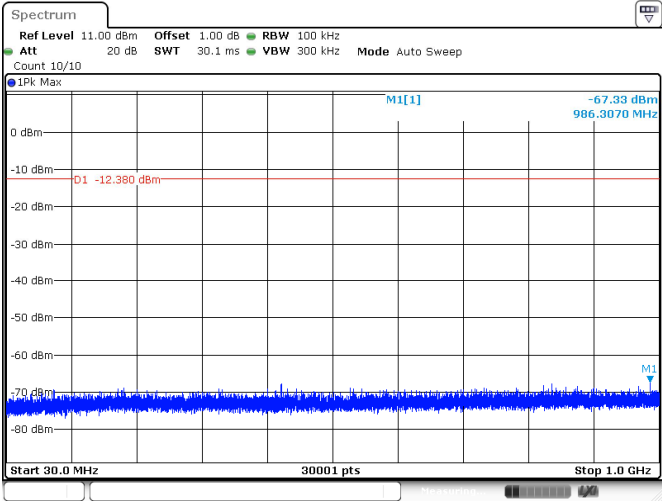
Date: 18 AUG 2020 17:38:18

2DH5\_Ant1\_2402\_0-Reference



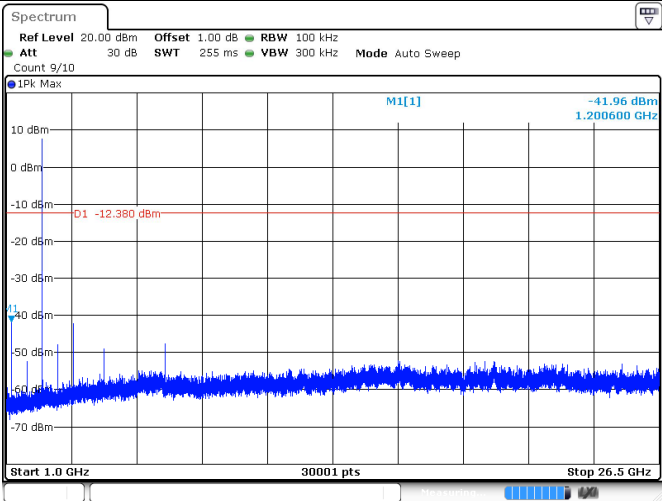
Date: 18 AUG 2020 17:40:05

2DH5\_Ant1\_2402\_30-1000



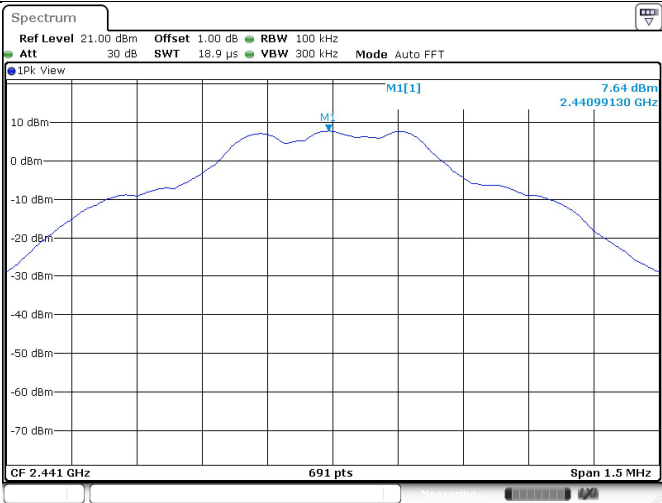
Date: 18 AUG 2020 17:40:11

2DH5\_Ant1\_2402\_1000-26500



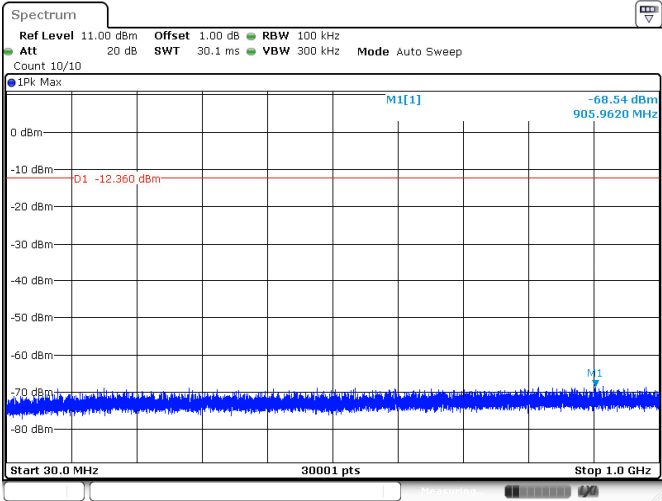
Date: 18 AUG 2020 17:40:19

2DH5\_Ant1\_2441\_0-Reference



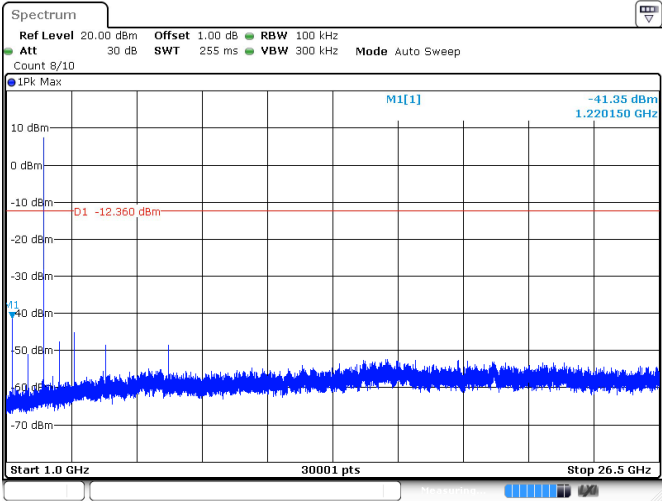
Date: 18 AUG 2020 17:42:17

2DH5\_Ant1\_2441\_30-1000



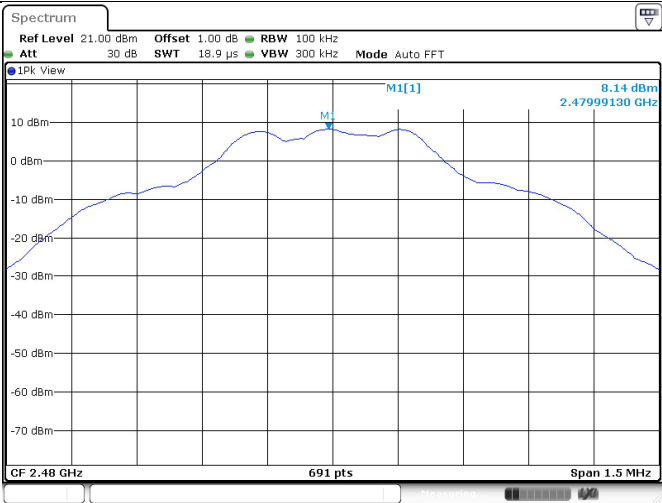
Date: 18 AUG 2020 17:42:23

2DH5\_Ant1\_2441\_1000-26500



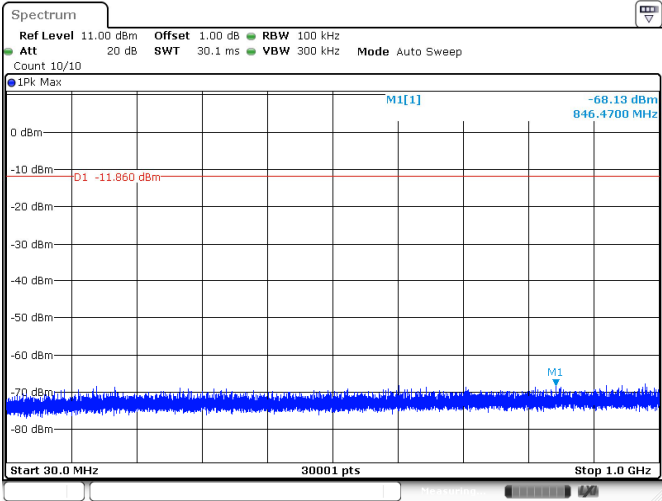
Date: 18 AUG 2020 17:42:31

2DH5\_Ant1\_2480\_0-Reference



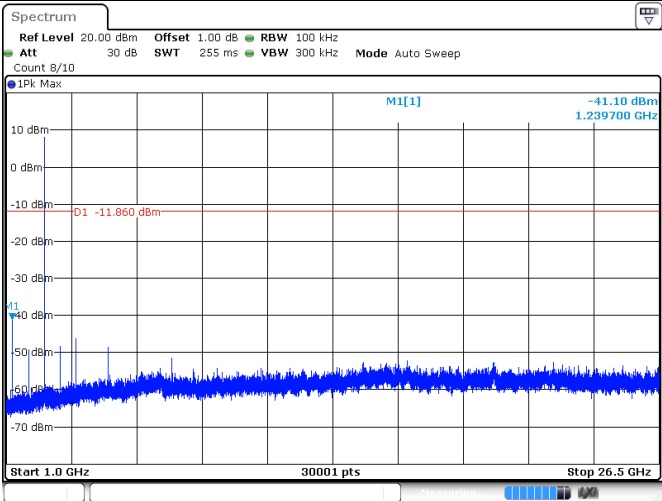
Date: 18 AUG 2020 17:46:06

2DH5\_Ant1\_2480\_30-1000



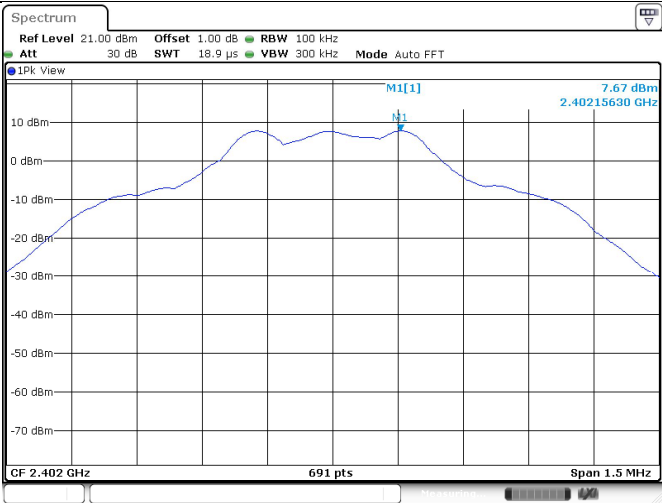
Date: 18 AUG 2020 17:46:12

2DH5\_Ant1\_2480\_1000-26500



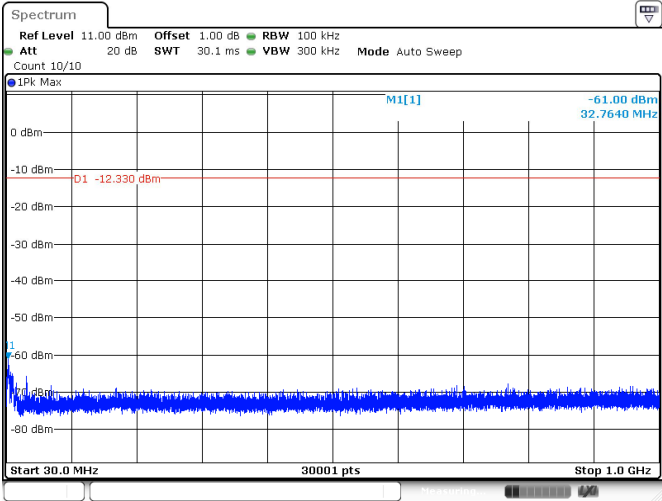
Date: 18 AUG 2020 17:46:20

3DH5\_Ant1\_2402\_0-Reference



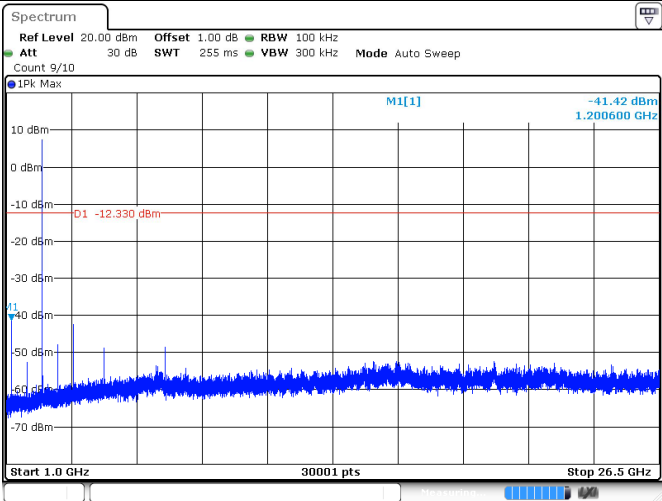
Date: 18 AUG 2020 17:48:55

3DH5\_Ant1\_2402\_30-1000



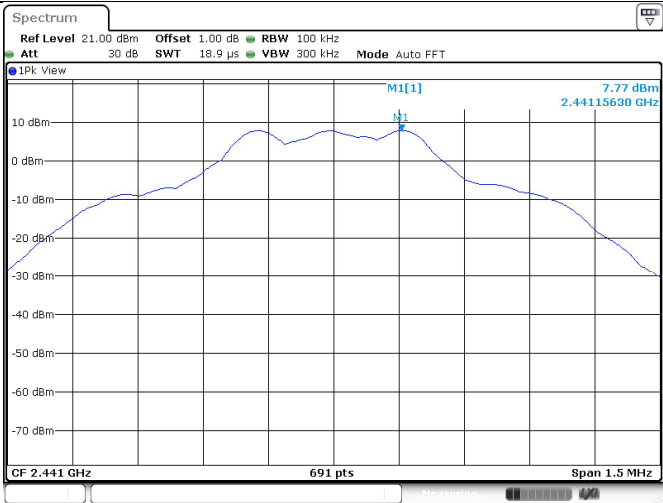
Date: 18 AUG 2020 17:49:01

3DH5\_Ant1\_2402\_1000-26500



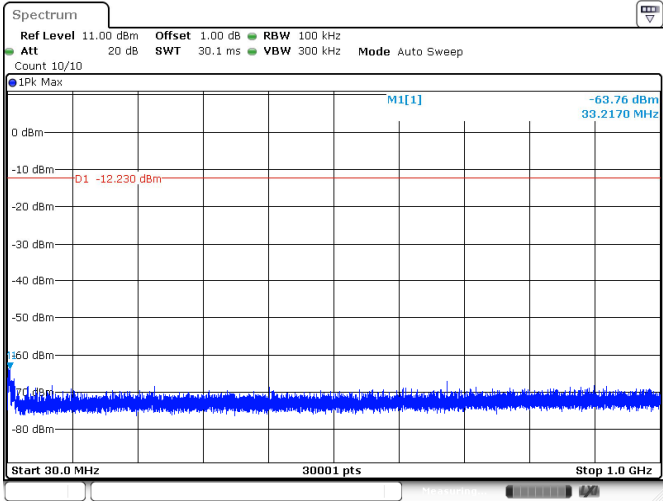
Date: 18 AUG 2020 17:49:09

3DH5\_Ant1\_2441\_0-Reference



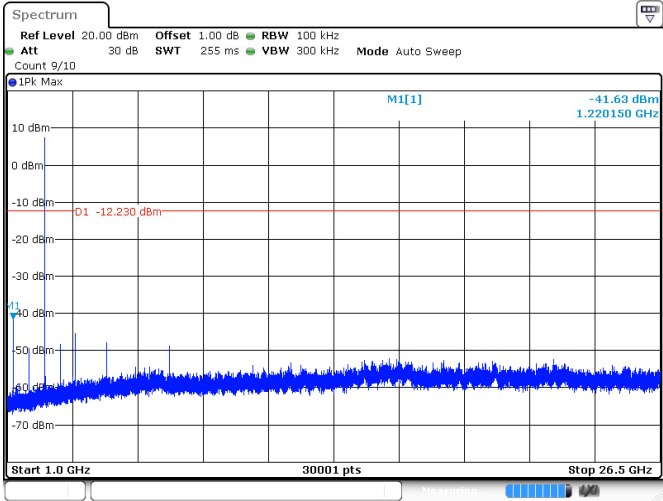
Date: 18 AUG 2020 17:51:11

3DH5\_Ant1\_2441\_30-1000



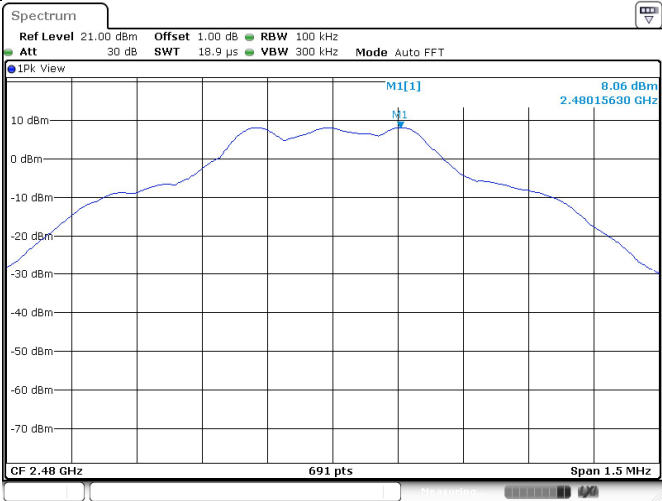
Date: 18 AUG 2020 17:51:17

3DH5\_Ant1\_2441\_1000-26500



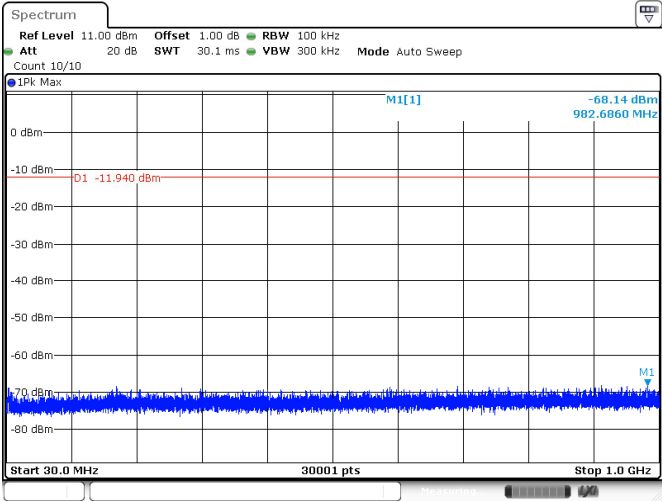
Date: 18 AUG 2020 17:51:25

3DH5\_Ant1\_2480\_0-Reference



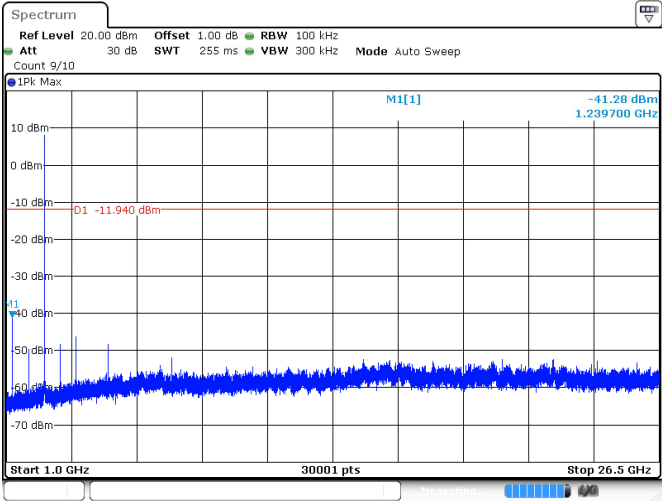
Date: 18 AUG 2020 17:54:20

3DH5\_Ant1\_2480\_30-1000



Date: 18 AUG 2020 17:54:26

3DH5\_Ant1\_2480\_1000-26500



Date: 18 AUG 2020 17:54:34

## 9.7 Band edge testing

### Test Method

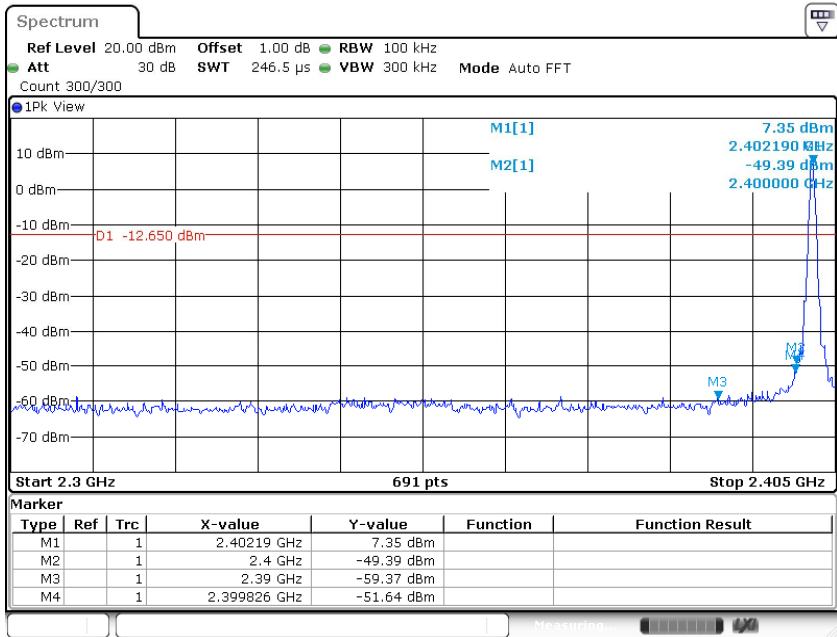
- 1 Use the following spectrum analyzer settings:  
Span = wide enough to capture the peak level of the in-band emission and all spurious  
RBW = 100 kHz, VBW  $\geq$  RBW, Sweep = auto, Detector function = peak, Trace = max hold
- 2 Allow the trace to stabilize, use the peak and delta measurement to record the result.
- 3 The level displayed must comply with the limit specified in this Section. .
- 4 Repeat the test at the hopping off and hopping on mode, submit all the plots.

### Limit:

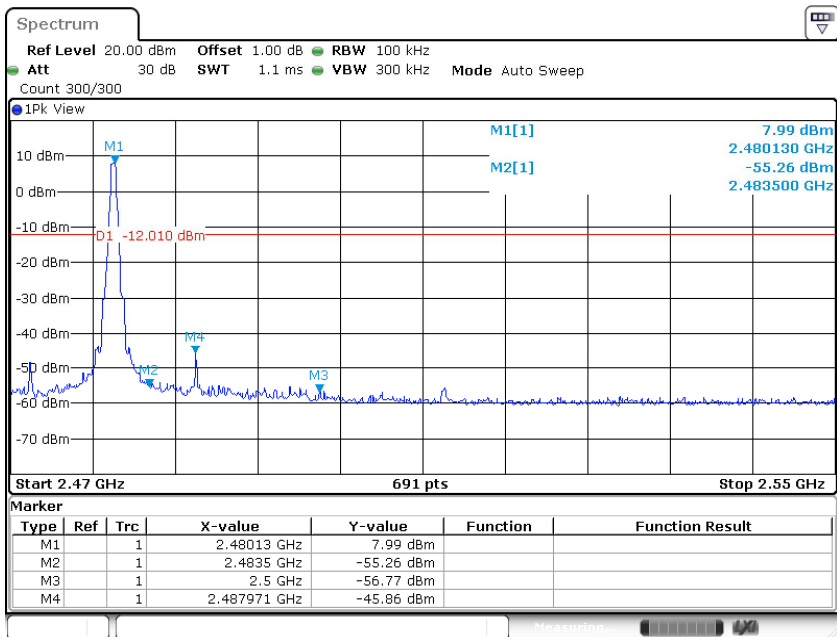
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.



GFSK mode: Hopping off



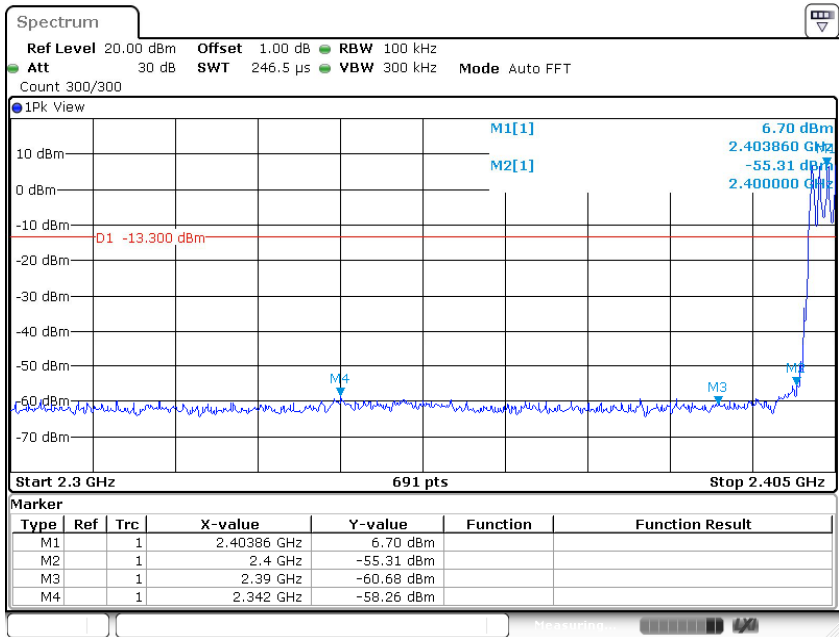
Date: 18.AUG.2020 17:34:36



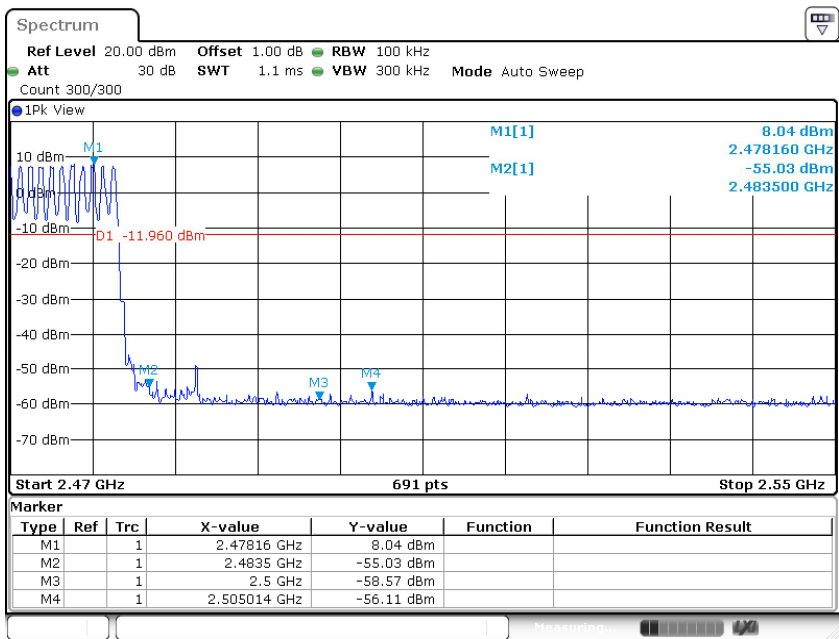
Date: 18.AUG.2020 17:37:59



GFSK mode: Hopping on



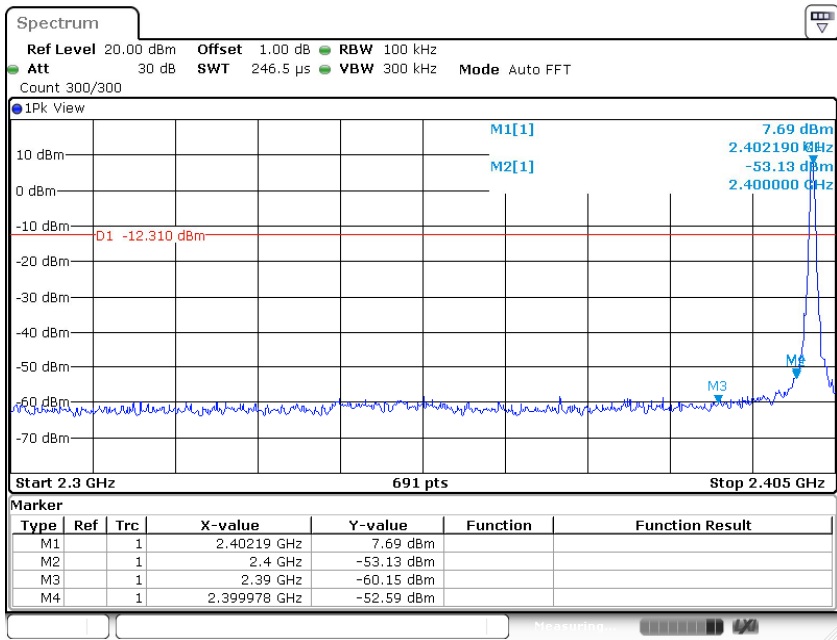
Date: 18.AUG.2020 17:55:29



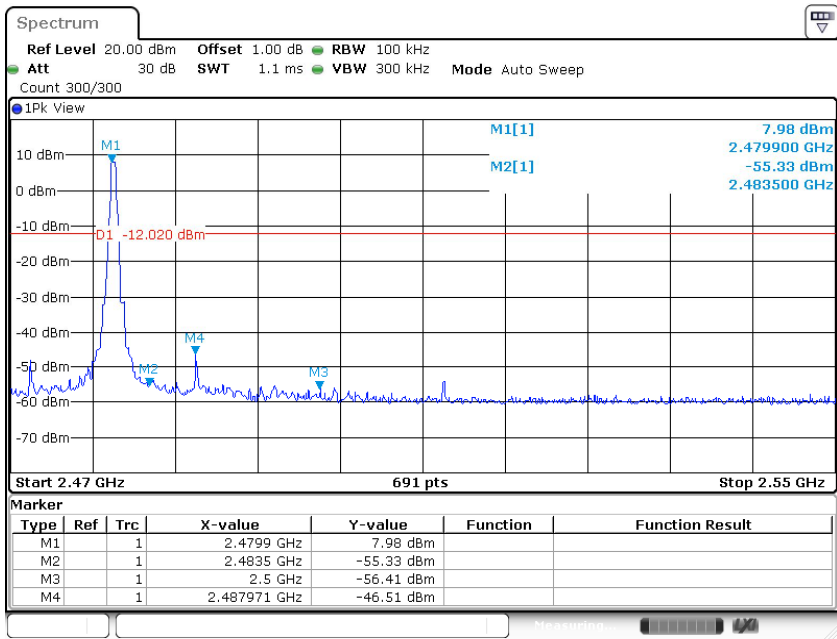
Date: 18.AUG.2020 18:06:01



8DPSK mode: Hopping off



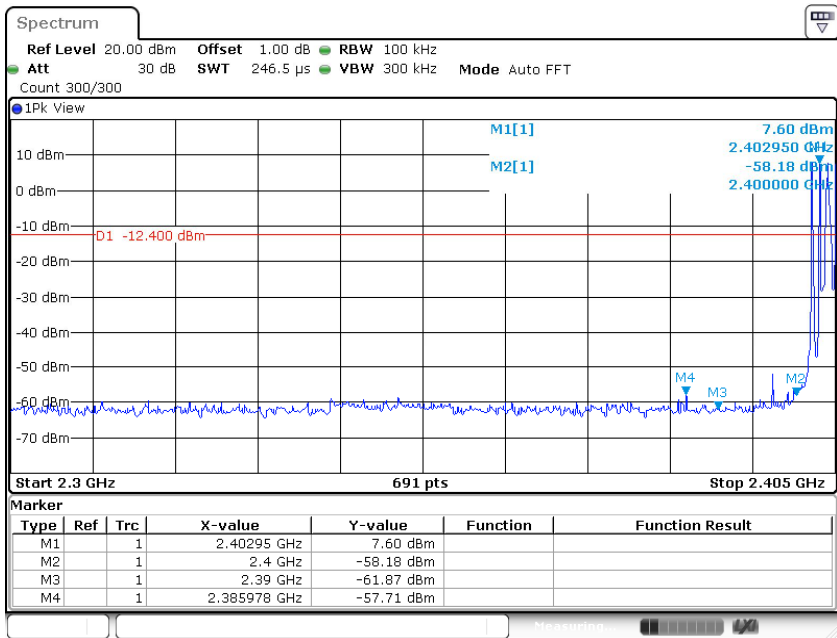
Date: 18.AUG.2020 17:48:49



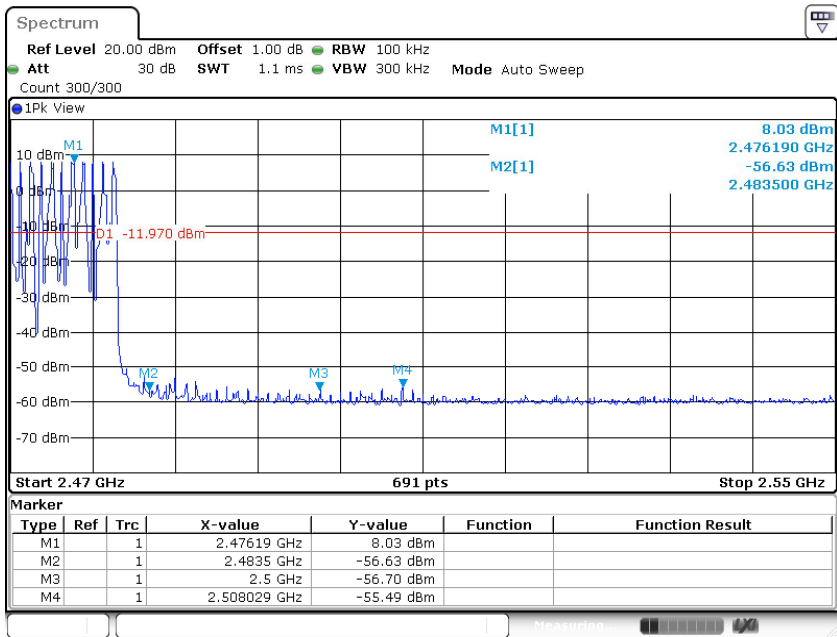
Date: 18.AUG.2020 17:54:14



8DPSK mode: Hopping on



Date: 18.AUG.2020 18:19:45



Date: 18.AUG.2020 18:24:28

## 9.8 Spurious radiated emissions for transmitter

### Test Method

- 1: The EUT was placed on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2: The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.
- 3: The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 4: For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 5: Use the following spectrum analyzer settings According to C63.10:  
For Below 1GHz  
Use the following spectrum analyzer settings:  
Span = wide enough to capture the peak level of the in-band emission and all spurious  
RBW = 100 KHz to 120KHz, VBW $\geq$ RBW for peak measurement, Sweep = auto,  
Detector function = peak, Trace = max hold.  
For Peak unwanted emissions Above 1GHz:  
Span = wide enough to capture the peak level of the in-band emission and all spurious  
RBW = 1MHz, VBW $\geq$ RBW for peak measurement, Sweep = auto,  
Detector function = peak, Trace = max hold.  
Procedures for average unwanted emissions measurements above 1000 MHz:  
Span = wide enough to capture the peak level of the in-band emission and all spurious  
RBW = 1MHz, VBW=10Hz, Sweep = auto, Detector function = peak, Trace = max hold.  
If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a “duty cycle correction factor”, derived from  $20\log(\text{dwell time}/100 \text{ ms})$ , in an effort to demonstrate compliance with the 15.209 limit.  
If the emission is pulsed, modify the unit for continuous operation; use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.  
The setting method can refer to DA00-705.

## Limit

The radio emission outside the operating frequency band shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. Radiated emissions which fall in the restricted bands, as defined in section 15.205, must comply with the radiated emission limits specified in section 15.209.

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

| Frequency<br>MHz | Field Strength<br>uV/m | Field Strength<br>dBμV/m | Detector |
|------------------|------------------------|--------------------------|----------|
| 30-88            | 100                    | 40                       | QP       |
| 88-216           | 150                    | 43.5                     | QP       |
| 216-960          | 200                    | 46                       | QP       |
| 960-1000         | 500                    | 54                       | QP       |
| Above 1000       | 500                    | 54                       | AV       |
| Above 1000       | 5000                   | 74                       | PK       |

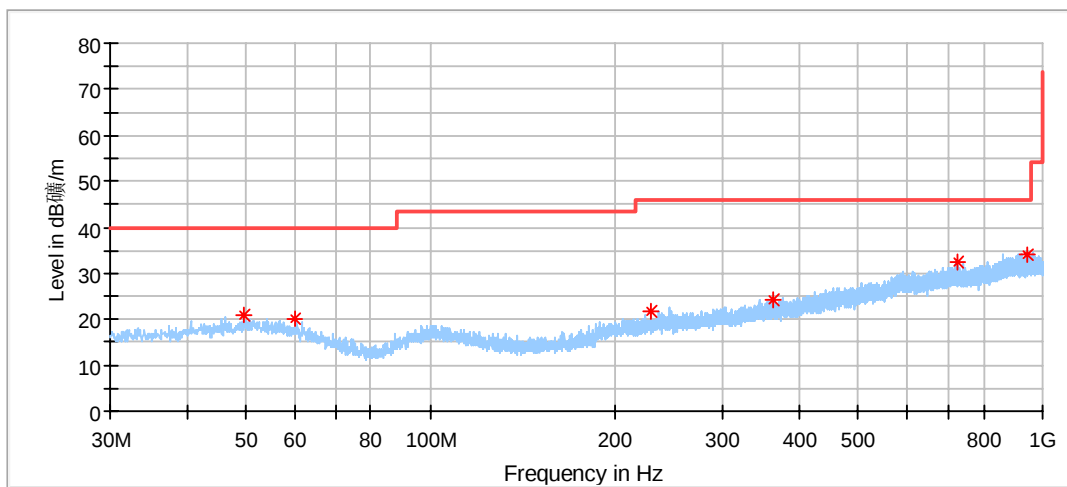
## Spurious radiated emissions for transmitter

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

The only worse case (which is subject to the maximum EIRP, GFSK mode) test result is listed in the report.

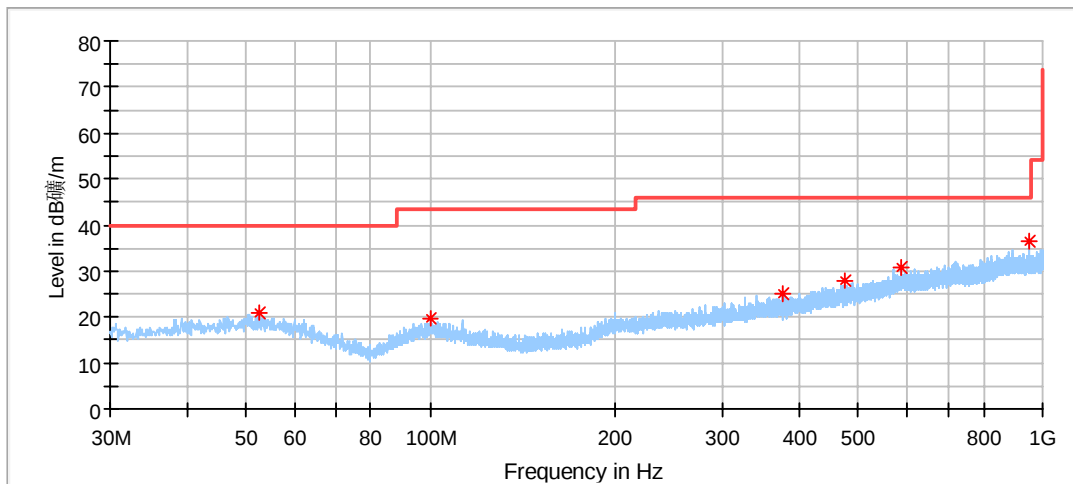
### Transmitting spurious emission test result as below:

EUT: In-ear True Wireless Headphone  
M/N: PI5L  
Operating Condition: Tx 2402MHz, lowest Channel



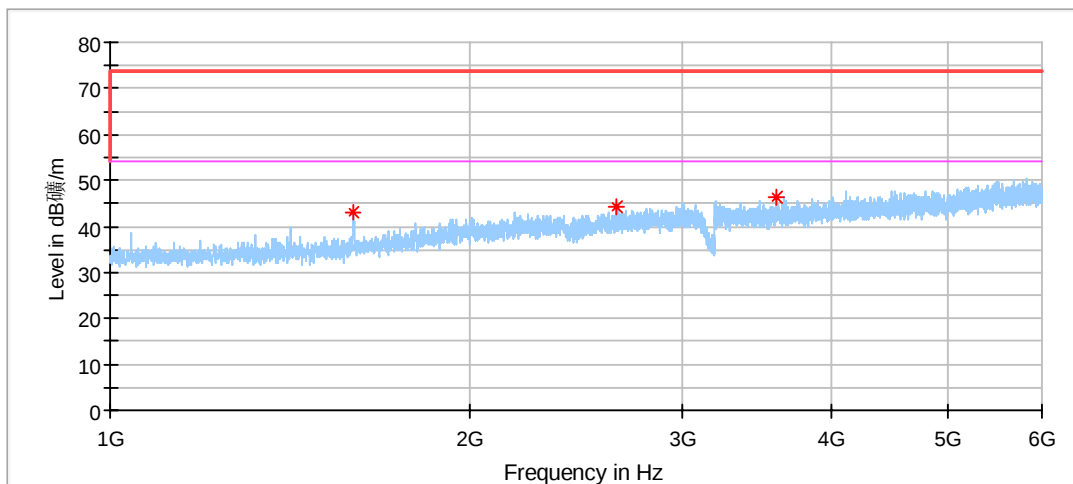
### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 49.561667       | 21.09            | 40.00          | 18.91       | 150.0       | H   | 280.0         | 14.8         |
| 60.231667       | 20.04            | 40.00          | 19.96       | 150.0       | H   | 84.0          | 13.5         |
| 229.873889      | 21.70            | 46.00          | 24.30       | 150.0       | H   | 313.0         | 13.4         |
| 362.386667      | 24.36            | 46.00          | 21.64       | 150.0       | H   | 150.0         | 16.6         |
| 724.520000      | 32.54            | 46.00          | 13.46       | 150.0       | H   | 127.0         | 22.5         |
| 945.141111      | 34.24            | 46.00          | 11.76       | 150.0       | H   | 188.0         | 25.2         |



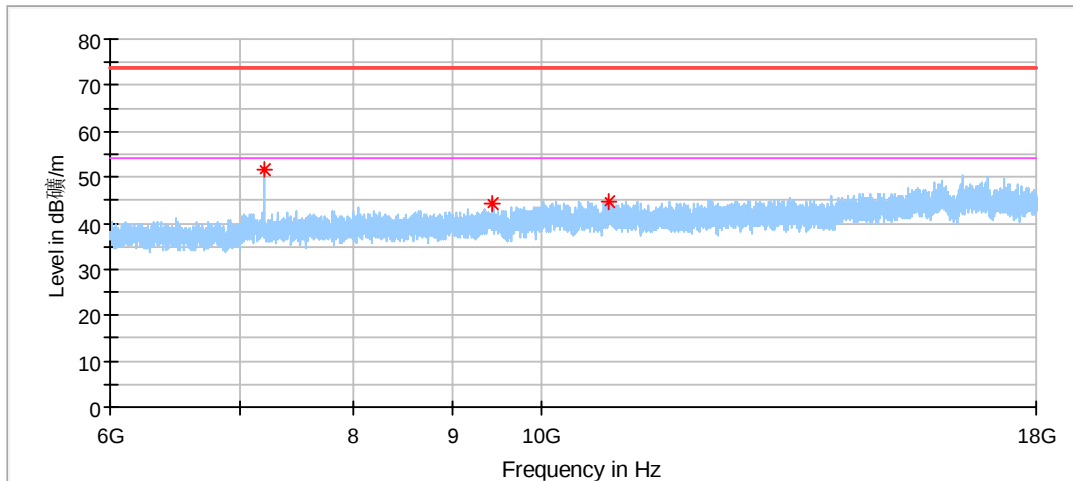
### Critical Freqs

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|----------------------|-------------|-------------|-----|---------------|--------------|
| 52.417778       | 20.85                  | 40.00                | 19.15       | 150.0       | V   | 175.0         | 14.5         |
| 100.055556      | 19.57                  | 43.50                | 23.93       | 150.0       | V   | 15.0          | 13.0         |
| 375.697222      | 25.18                  | 46.00                | 20.82       | 150.0       | V   | 242.0         | 16.9         |
| 476.577222      | 27.87                  | 46.00                | 18.13       | 150.0       | V   | 355.0         | 19.0         |
| 586.295000      | 30.66                  | 46.00                | 15.34       | 150.0       | V   | 208.0         | 21.2         |
| 948.590000      | 36.56                  | 46.00                | 9.44        | 150.0       | V   | 114.0         | 25.2         |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|----------------------|-------------|-------------|-----|---------------|--------------|
| 1595.500000     | 42.93                  | 74.00                | 31.07       | 150.0       | H   | 306.0         | -7.3         |
| 2646.000000     | 44.20                  | 74.00                | 29.80       | 150.0       | H   | 51.0          | -2.5         |
| 3606.000000     | 46.49                  | 74.00                | 27.51       | 150.0       | H   | 275.0         | 0.0          |

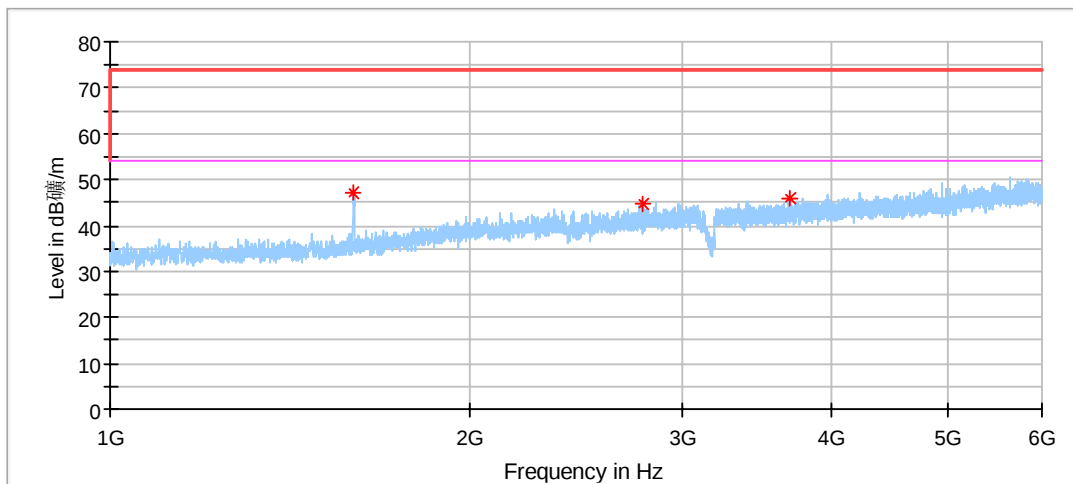


### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7205.500000     | 51.61            | 74.00          | 22.39       | 150.0       | H   | 74.0          | 5.1          |
| 9434.500000     | 44.27            | 74.00          | 29.73       | 150.0       | H   | 4.0           | 7.4          |
| 10844.500000    | 44.81            | 74.00          | 29.19       | 150.0       | H   | 189.0         | 8.4          |

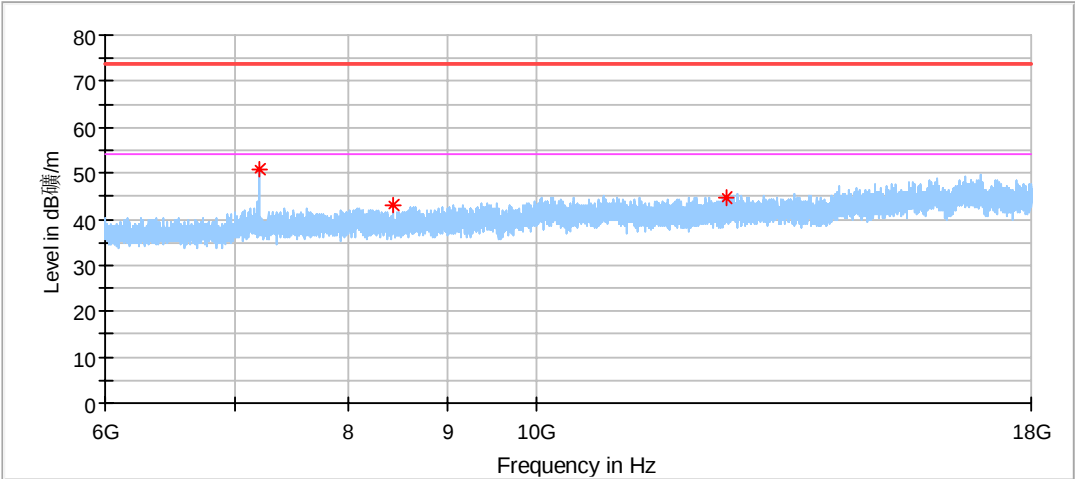
### Final Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7205.500000     | 50.32            | 74.00          | 23.68       | 150.0       | H   | 74.0          | 5.1          |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1594.000000     | 47.34            | 74.00          | 26.66       | 150.0       | V   | 312.0         | -7.4         |
| 2788.500000     | 44.81            | 74.00          | 29.19       | 150.0       | V   | 235.0         | -2.1         |
| 3691.000000     | 45.95            | 74.00          | 28.05       | 150.0       | V   | 103.0         | 0.3          |



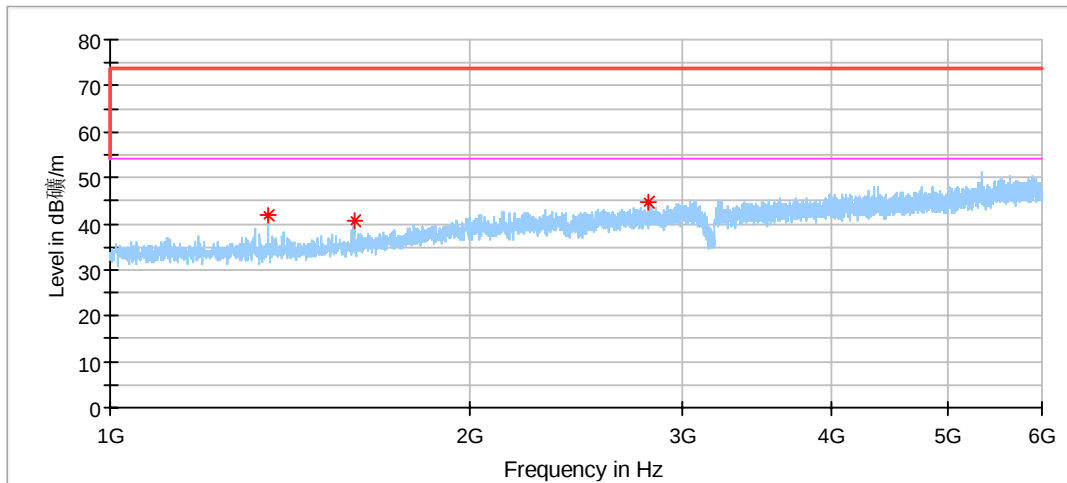
Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7205.500000     | 51.04            | 74.00          | 22.96       | 150.0       | V   | 266.0         | 5.1          |
| 8439.500000     | 43.14            | 74.00          | 30.86       | 150.0       | V   | 0.0           | 6.0          |
| 12534.500000    | 44.72            | 74.00          | 29.28       | 150.0       | V   | 174.0         | 9.2          |

Final\_Result

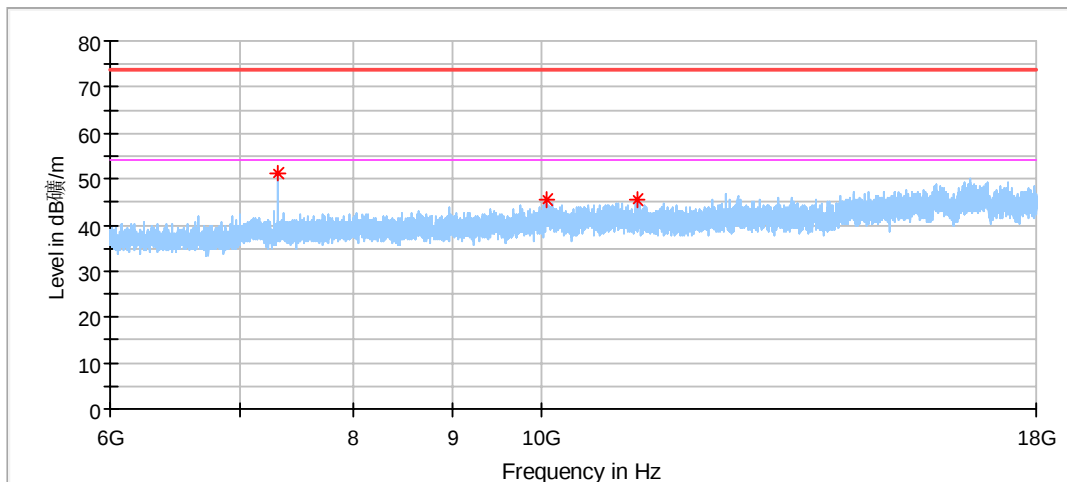
| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7205.500000     | 50.82            | 74.00          | 23.18       | 150.0       | V   | 266.0         | 5.1          |

EUT: In-ear True Wireless Headphone  
M/N: PI5L  
Operating Condition: Tx 2441MHz, Middle Channel



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1356.000000     | 41.71            | 74.00          | 32.29       | 150.0       | H   | 233.0         | -8.7         |
| 1598.500000     | 40.72            | 74.00          | 33.28       | 150.0       | H   | 69.0          | -7.3         |
| 2816.500000     | 44.89            | 74.00          | 29.11       | 150.0       | H   | 179.0         | -2.0         |

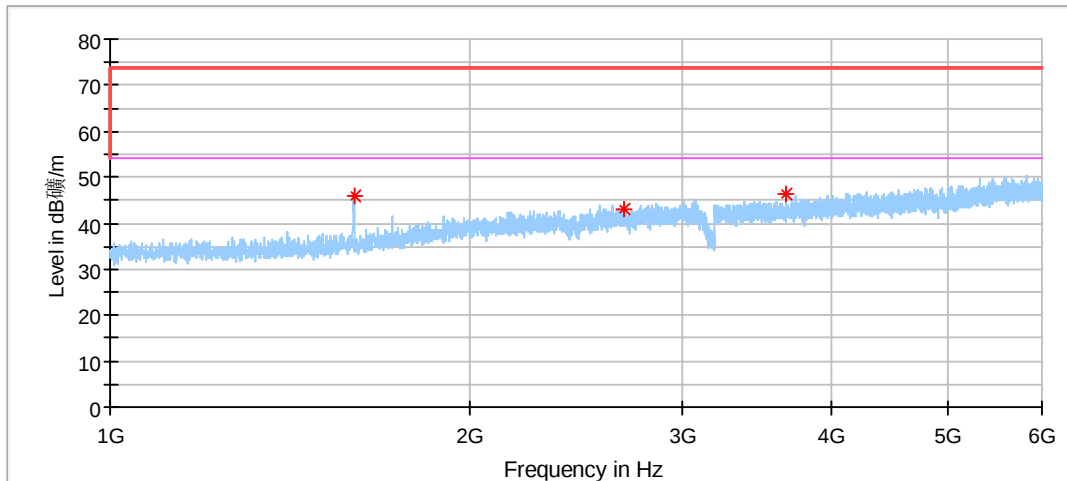


### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7322.500000     | 51.20            | 74.00          | 22.80       | 150.0       | H   | 146.0         | 5.3          |
| 10071.500000    | 45.53            | 74.00          | 28.47       | 150.0       | H   | 356.0         | 9.3          |
| 11208.500000    | 45.51            | 74.00          | 28.49       | 150.0       | H   | 193.0         | 8.5          |

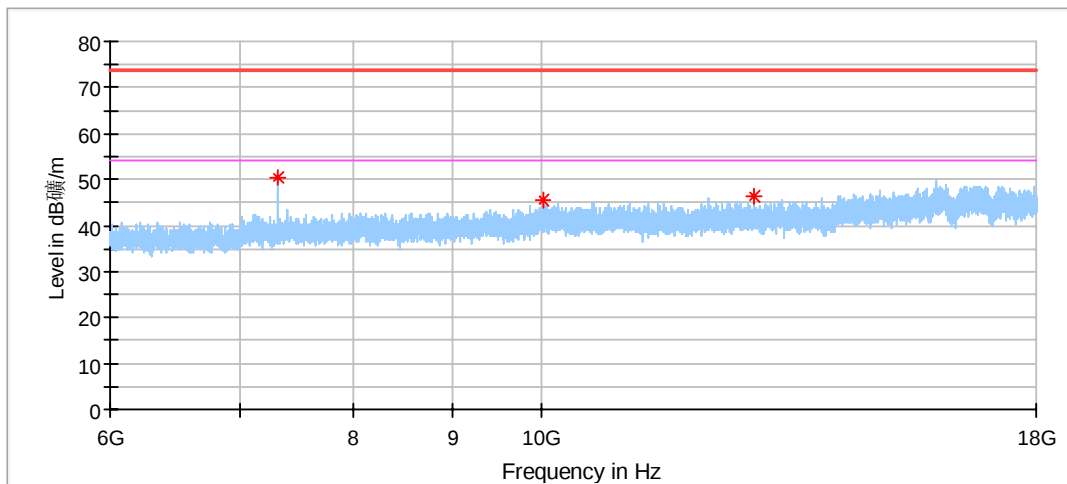
### Final Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7322.500000     | 50.94            | 74.00          | 23.06       | 150.0       | H   | 146.0         | 5.3          |



### Critical Freqs

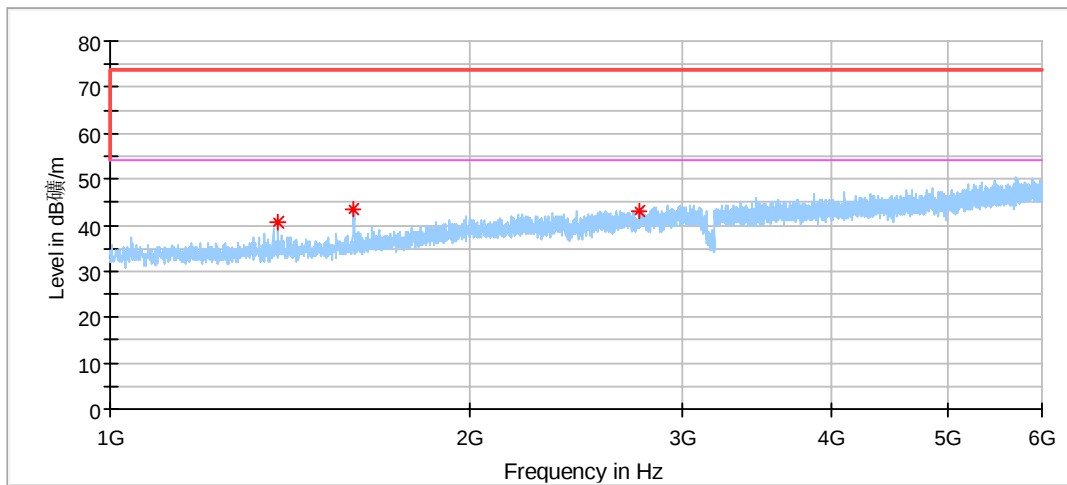
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1598.500000     | 45.78            | 74.00          | 28.22       | 150.0       | V   | 181.0         | -7.3         |
| 2683.500000     | 43.26            | 74.00          | 30.74       | 150.0       | V   | 356.0         | -2.3         |
| 3669.000000     | 46.32            | 74.00          | 27.68       | 150.0       | V   | 351.0         | 0.2          |



### Critical Freqs

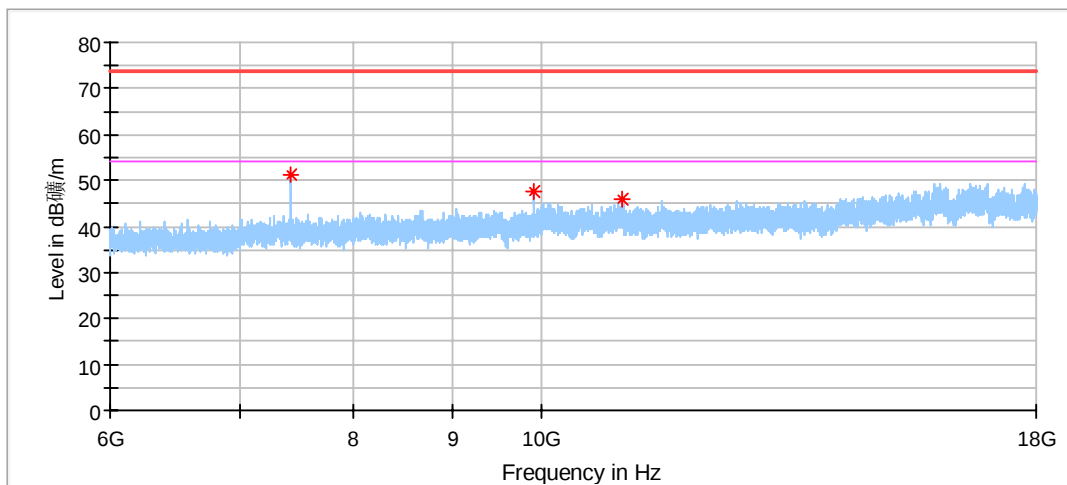
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7323.500000     | 50.60            | 74.00          | 23.40       | 150.0       | V   | 163.0         | 5.3          |
| 10038.000000    | 45.72            | 74.00          | 28.28       | 150.0       | V   | 279.0         | 9.1          |
| 12889.000000    | 46.19            | 74.00          | 27.81       | 150.0       | V   | 24.0          | 9.1          |

EUT: In-ear True Wireless Headphone  
M/N: PI5L  
Operating Condition: Tx 2480MHz, High Channel)



### Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1381.000000     | 40.69            | 74.00          | 33.31       | 150.0       | H   | 228.0         | -8.6         |
| 1595.000000     | 43.36            | 74.00          | 30.64       | 150.0       | H   | 47.0          | -7.3         |
| 2767.000000     | 43.20            | 74.00          | 30.80       | 150.0       | H   | 72.0          | -2.1         |

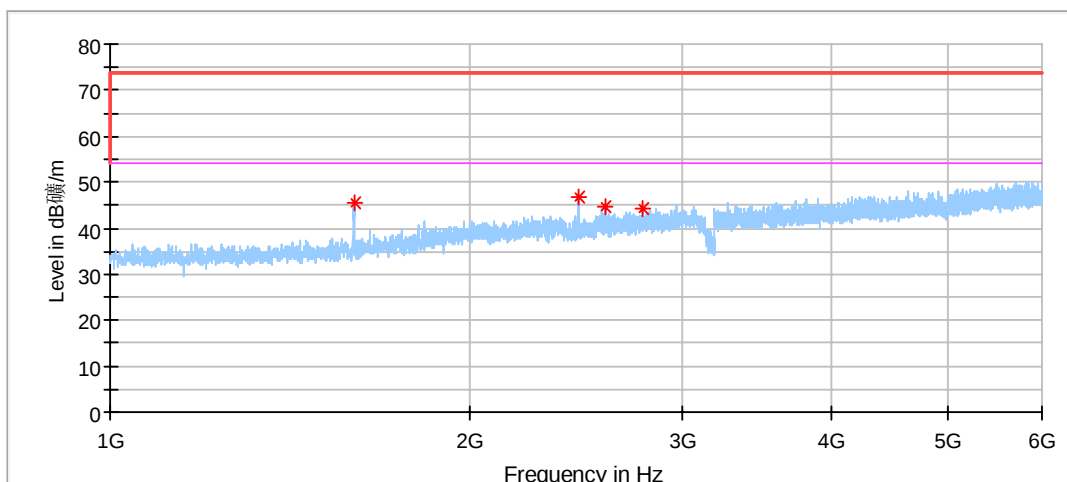


### Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7440.500000     | 51.19            | 74.00          | 22.81       | 150.0       | H   | 140.0         | 5.5          |
| 9920.000000     | 47.67            | 74.00          | 26.33       | 150.0       | H   | 71.0          | 8.1          |
| 11002.500000    | 45.77            | 74.00          | 28.23       | 150.0       | H   | 48.0          | 8.4          |

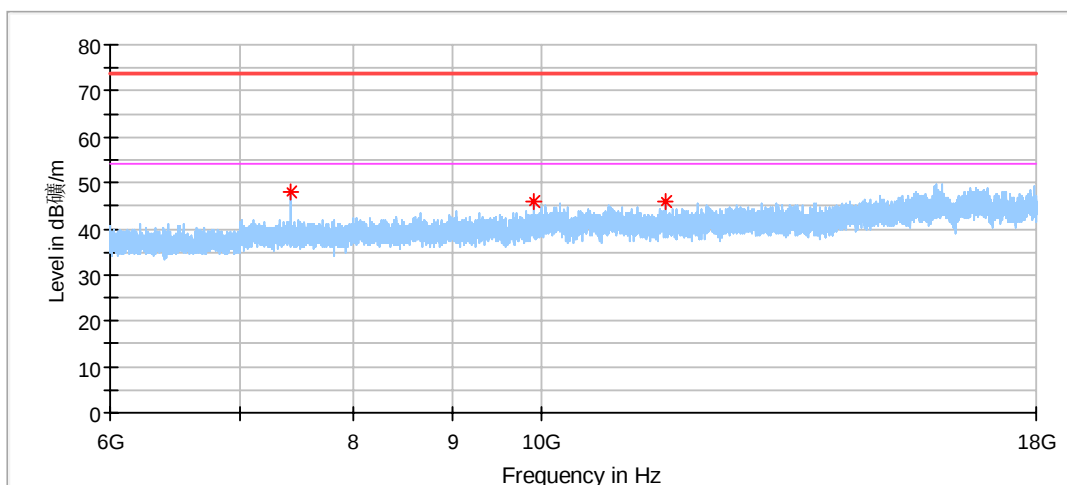
### Final\_Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7440.500000     | 50.46            | 74.00          | 23.54       | 150.0       | H   | 140.0         | 5.5          |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1600.000000     | 45.71            | 74.00          | 28.29       | 150.0       | V   | 179.0         | -7.3         |
| 2462.500000     | 46.83            | 74.00          | 27.17       | 150.0       | V   | 349.0         | -2.9         |
| 2588.000000     | 44.52            | 74.00          | 29.48       | 150.0       | V   | 23.0          | -2.6         |
| 2789.500000     | 44.28            | 74.00          | 29.72       | 150.0       | V   | 304.0         | -2.1         |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7440.000000     | 48.08            | 74.00          | 25.92       | 150.0       | V   | 148.0         | 5.5          |
| 9919.500000     | 46.05            | 74.00          | 27.95       | 150.0       | V   | 356.0         | 8.1          |
| 11594.500000    | 45.79            | 74.00          | 28.21       | 150.0       | V   | 266.0         | 8.2          |

#### Remark:

- (1) Data of measurement within frequency range 18-26GHz are the noise floor or attenuated more than 20dB below the permissible limits or the field strength is too small to be measured, so test data does not present in this report.
- (2) Level=Reading Level + Correction Factor  
 Above 1GHz: Corrector factor = Antenna Factor + Cable Loss- Amplifier Gain  
 Below 1GHz: Corrector factor = Antenna Factor + Cable Loss  
 (The Reading Level is recorded by software which is not shown in the sheet)

## 10 Test Equipment List

### List of Test Instruments

#### Radiated Emission Test

| Description                         | Manufacturer    | Model no.         | Equipment ID       | Serial no.       | Calibration interval (year) | cal. due date |
|-------------------------------------|-----------------|-------------------|--------------------|------------------|-----------------------------|---------------|
| EMI Test Receiver                   | Rohde & Schwarz | ESR 26            | 68-4-74-14-002     | 101269           | 1                           | 2021-6-29     |
| Trilog Super Broadband Test Antenna | Schwarzbeck     | VULB 9162         | 68-4-80-19-003     | 284              | 1                           | 2021-2-24     |
| Wave Guide Antenna                  | ETS             | 3117              | 68-4-80-19-001     | 00218954         | 1                           | 2021-6-15     |
| Pre-amplifier                       | Rohde & Schwarz | SCU 18F           | 68-4-29-19-001     | 100745           | 1                           | 2020-12-14    |
| Pre-amplifier                       | Rohde & Schwarz | SCU 08F2          | 68-4-29-19-004     | 08400018         | 1                           | 2020-12-14    |
| Sideband Horn Antenna               | Q-PAR           | QWH-SL-18-40-K-SG | 68-4-80-14-008     | 12827            | 1                           | 2021-8-5      |
| Pre-amplifier                       | Rohde & Schwarz | SCU 40A           | 68-4-29-14-002     | 100432           | 1                           | 2021-7-30     |
| 3m Semi-anechoic chamber            | TDK             | 9X6X6             | 68-4-90-19-006     | ----             | 3                           | 2022-12-29    |
| Test software                       | Rohde & Schwarz | EMC32             | 68-4-90-19-006-A01 | Version10.3 5.02 | N/A                         | N/A           |

#### RF Conducted Test

| Description     | Manufacturer    | Model no. | Equipment ID   | Serial no. | Calibration interval (year) | cal. due date |
|-----------------|-----------------|-----------|----------------|------------|-----------------------------|---------------|
| Signal Analyzer | Rohde & Schwarz | FSV40     | 68-4-74-14-004 | 101030     | 1                           | 2023-5-27     |

## 11 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

| System Measurement Uncertainty              |                                                                                      |
|---------------------------------------------|--------------------------------------------------------------------------------------|
| Test Items                                  | Extended Uncertainty                                                                 |
| Radiated Spurious Emission 30MHz-1000MHz    | Horizontal: 4.70dB;<br>Vertical: 4.67dB;                                             |
| Radiated Spurious Emission 1000MHz-18000MHz | Horizontal: 4.65dB;<br>Vertical: 4.63dB;                                             |
| Conducted RF test with TS 8997              | RF Power Conducted: 1.31dB<br>Frequency test involved:<br>0.6×10 <sup>-7</sup> or 1% |