

## TEST REPORT

**Product** : Car multimedia player  
**Trade mark** : Dual, Jensen, AXXERA  
**Model/Type reference** : See to Clause 6.2  
**Serial Number** : N/A  
**Report Number** : EED32L00204801  
**FCC ID** : 2AT9B-AV1188  
**Date of Issue** : Sep. 09, 2019  
**Test Standards** : 47 CFR Part 15 Subpart C  
**Test result** : PASS

Prepared for:

**MAXMADE AUTO ELECTRONICS Co., LTD**  
**Building 2, GIEC Industrial Park, Puzai Road, Pingdi,**  
**Longgang District, Shenzhen. China**

Prepared by:

**Centre Testing International Group Co., Ltd.**  
**Hongwei Industrial Zone, Bao'an 70 District,**  
**Shenzhen, Guangdong, China**  
**TEL: +86-755-3368 3668**  
**FAX: +86-755-3368 3385**

Tested By:

Jay Zheng  
Jay Zheng

Compiled by:

Alex Wu  
Alex Wu

Reviewed by:

Ware Xin  
Ware Xin

Approved by:

Kevin Yang  
Kevin Yang

Date:

Sep. 09, 2019



Check No.:3096321298

## 2 Version

| Version No. | Date          | Description |
|-------------|---------------|-------------|
| 00          | Sep. 09, 2019 | Original    |
|             |               |             |
|             |               |             |

### 3 Test Summary

| Test Item                                                                | Test Requirement                                                               | Test method      | Result |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------|--------|
| <b>Antenna Requirement</b>                                               | 47 CFR Part 15 Subpart C Section 15.203/15.247 (c)                             | ANSI C63.10-2013 | PASS   |
| <b>AC Power Line Conducted Emission</b>                                  | 47 CFR Part 15 Subpart C Section 15.207                                        | ANSI C63.10-2013 | N/A    |
| <b>Conducted Peak Output Power</b>                                       | 47 CFR Part 15 Subpart C Section 15.247 (b)(1)                                 | ANSI C63.10-2013 | PASS   |
| <b>20dB Occupied Bandwidth</b>                                           | 47 CFR Part 15 Subpart C Section 15.247 (a)(1)                                 | ANSI C63.10-2013 | PASS   |
| <b>Carrier Frequencies Separation</b>                                    | 47 CFR Part 15 Subpart C Section 15.247 (a)(1)                                 | ANSI C63.10-2013 | PASS   |
| <b>Hopping Channel Number</b>                                            | 47 CFR Part 15 Subpart C Section 15.247 (b)                                    | ANSI C63.10-2013 | PASS   |
| <b>Dwell Time</b>                                                        | 47 CFR Part 15 Subpart C Section 15.247 (a)(1)                                 | ANSI C63.10-2013 | PASS   |
| <b>Pseudorandom Frequency Hopping Sequence</b>                           | 47 CFR Part 15 Subpart C Section 15.247(b)(4)&TCB Exclusion List (7 July 2002) | ANSI C63.10-2013 | PASS   |
| <b>Band-edge for RF Conducted Emissions</b>                              | 47 CFR Part 15 Subpart C Section 15.247(d)                                     | ANSI C63.10-2013 | PASS   |
| <b>RF Conducted Spurious Emissions</b>                                   | 47 CFR Part 15 Subpart C Section 15.247(d)                                     | ANSI C63.10-2013 | PASS   |
| <b>Radiated Spurious emissions</b>                                       | 47 CFR Part 15 Subpart C Section 15.205/15.209                                 | ANSI C63.10-2013 | PASS   |
| <b>Restricted bands around fundamental frequency (Radiated Emission)</b> | 47 CFR Part 15 Subpart C Section 15.205/15.209                                 | ANSI C63.10-2013 | PASS   |

Remark:

Test according to ANSI C63.4-2014 & ANSI C63.10-2013.

The tested samples and the sample information are provided by the client.

Model No.: XDCPA11BT, DMCPA11BT, DMCPA210, XDCPA210, CAR10, CAR1000, CAR101XL, AVM2210H

All models are the same except for the model name. The test model is XDCPA11BT and the test results are applicable to the others.

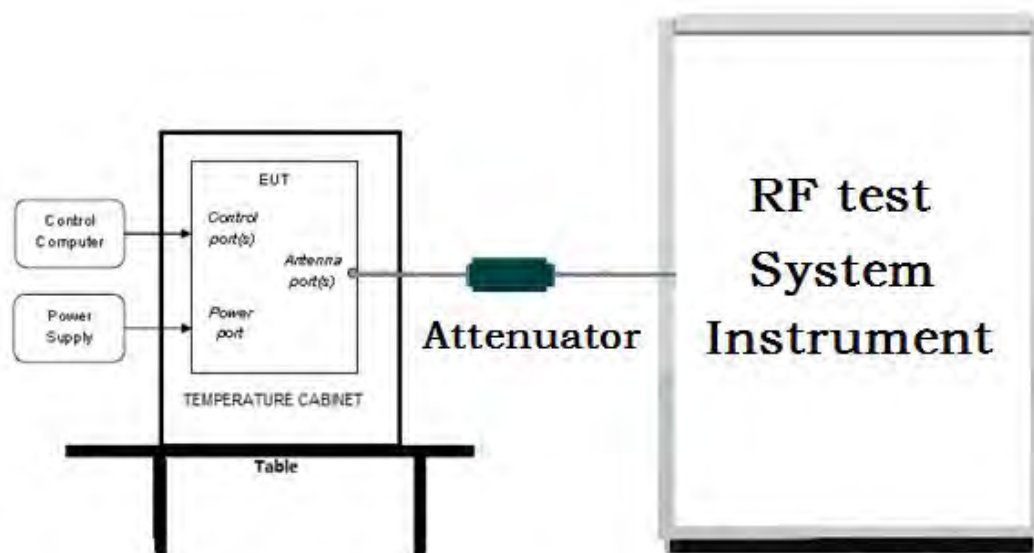
## 4 Content

|                                                                       |           |
|-----------------------------------------------------------------------|-----------|
| <b>1 COVER PAGE</b>                                                   | <b>1</b>  |
| <b>2 VERSION</b>                                                      | <b>2</b>  |
| <b>3 TEST SUMMARY</b>                                                 | <b>3</b>  |
| <b>4 CONTENT</b>                                                      | <b>4</b>  |
| <b>5 TEST REQUIREMENT</b>                                             | <b>5</b>  |
| 5.1 TEST SETUP                                                        | 5         |
| 5.1.1 For Conducted test setup                                        | 5         |
| 5.1.2 For Radiated Emissions test setup                               | 5         |
| 5.1.3 For Conducted Emissions test setup                              | 6         |
| 5.2 TEST ENVIRONMENT                                                  | 6         |
| 5.3 TEST CONDITION                                                    | 6         |
| <b>6 GENERAL INFORMATION</b>                                          | <b>7</b>  |
| 6.1 CLIENT INFORMATION                                                | 7         |
| 6.2 GENERAL DESCRIPTION OF EUT                                        | 7         |
| 6.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD                 | 8         |
| 6.4 DESCRIPTION OF SUPPORT UNITS                                      | 9         |
| 6.5 TEST LOCATION                                                     | 9         |
| 6.6 DEVIATION FROM STANDARDS                                          | 9         |
| 6.7 ABNORMALITIES FROM STANDARD CONDITIONS                            | 9         |
| 6.8 OTHER INFORMATION REQUESTED BY THE CUSTOMER                       | 9         |
| 6.9 MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2)              | 10        |
| <b>7 EQUIPMENT LIST</b>                                               | <b>11</b> |
| 8 Radio Technical Requirements Specification                          | 14        |
| Appendix A): 20dB Occupied Bandwidth                                  | 16        |
| Appendix B): Carrier Frequency Separation                             | 20        |
| Appendix C): Dwell Time                                               | 24        |
| Appendix D): Hopping Channel Number                                   | 29        |
| Appendix E): Conducted Peak Output Power                              | 31        |
| Appendix F): Band-edge for RF Conducted Emissions                     | 35        |
| Appendix G): RF Conducted Spurious Emissions                          | 40        |
| Appendix H): Pseudorandom Frequency Hopping Sequence                  | 50        |
| Appendix I): Antenna Requirement                                      | 51        |
| Appendix J): Restricted bands around fundamental frequency (Radiated) | 52        |
| Appendix K): Radiated Spurious Emissions                              | 77        |
| <b>PHOTOGRAPHS OF TEST SETUP</b>                                      | <b>89</b> |
| <b>PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS</b>                      | <b>91</b> |

## 5 Test Requirement

### 5.1 Test setup

#### 5.1.1 For Conducted test setup



#### 5.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

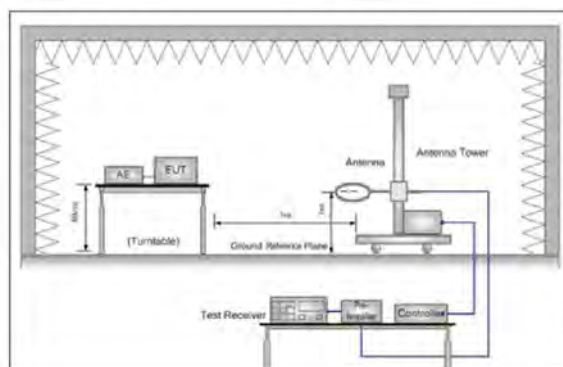


Figure 1. Below 30MHz

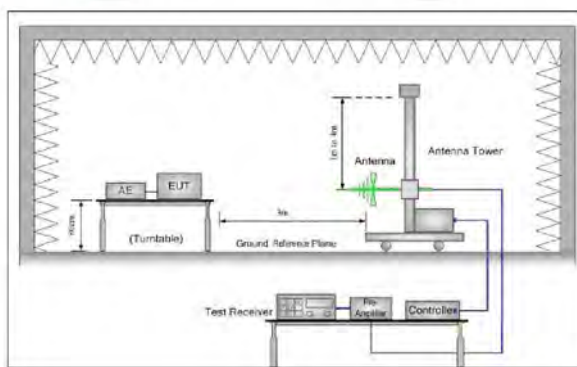


Figure 2. 30MHz to 1GHz

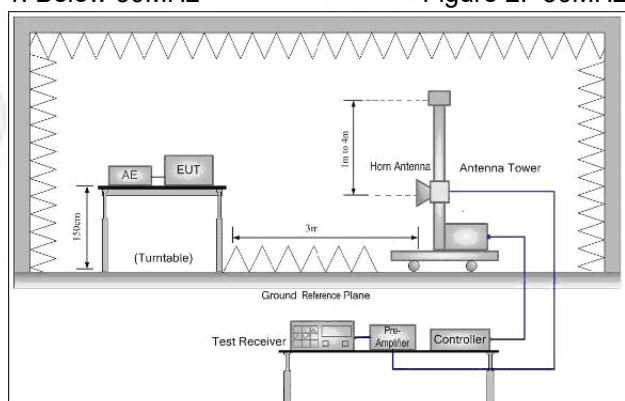
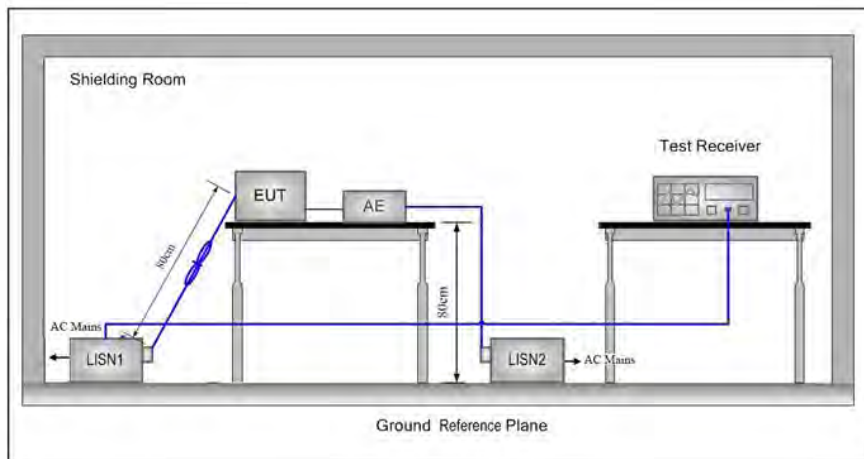


Figure 3. Above 1GHz

### 5.1.3 For Conducted Emissions test setup

#### Conducted Emissions setup



## 5.2 Test Environment

### Operating Environment:

|                       |          |
|-----------------------|----------|
| Temperature:          | 24°C     |
| Humidity:             | 56 % RH  |
| Atmospheric Pressure: | 1010mbar |

## 5.3 Test Condition

| Test Mode                                                                                      | Tx                | RF Channel |            |           |
|------------------------------------------------------------------------------------------------|-------------------|------------|------------|-----------|
|                                                                                                |                   | Low(L)     | Middle(M)  | High(H)   |
| GFSK/π/4DQPSK/<br>8DPSK(DH1,DH3, DH5)                                                          | 2402MHz ~2480 MHz | Channel 1  | Channel 40 | Channel79 |
|                                                                                                |                   | 2402MHz    | 2441MHz    | 2480MHz   |
| TX mode: The EUT transmitted the continuous modulation test signal at the specific channel(s). |                   |            |            |           |

## 6 General Information

### 6.1 Client Information

|                          |                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------|
| Applicant:               | MAXMADE AUTO ELECTRONICS Co., LTD                                                        |
| Address of Applicant:    | Building 2, GIEC Industrial Park, Puzai Road, Pingdi, Longgang District, Shenzhen. China |
| Manufacturer:            | MAXMADE AUTO ELECTRONICS Co., LTD                                                        |
| Address of Manufacturer: | Building 2, GIEC Industrial Park, Puzai Road, Pingdi, Longgang District, Shenzhen. China |
| Factory:                 | Dual Electronics Corporation                                                             |
| Address of Factory:      | Namsung America . Inc.250 International Parkway Suite 230 Heathrow. FL 32746             |

### 6.2 General Description of EUT

|                                  |                                                                               |
|----------------------------------|-------------------------------------------------------------------------------|
| Product Name:                    | Car multimedia player                                                         |
| Model No.(EUT):                  | XDCPA11BT, DMCPA11BT, DMCPA210, XDCPA210, CAR10, CAR1000 , CAR101XL, AVM2210H |
| Test Model No:                   | XDCPA11BT                                                                     |
| Trade mark:                      | Dual, Jensen, AXXERA                                                          |
| EUT Supports Radios application: | BT V2.1 + EDR Single mode                                                     |
| Power Supply:                    | DC 12V/15A 180W                                                               |
| Sample Received Date:            | Jul. 30, 2019                                                                 |
| Sample tested Date:              | Jul. 30, 2019 to Sep. 04, 2019                                                |

### 6.3 Product Specification subjective to this standard

|                                     |                                         |         |           |         |           |         |           |
|-------------------------------------|-----------------------------------------|---------|-----------|---------|-----------|---------|-----------|
| Operation Frequency:                | 2402MHz~2480MHz                         |         |           |         |           |         |           |
| Bluetooth Version:                  | BT V2.1 + EDR                           |         |           |         |           |         |           |
| Modulation Technique:               | Frequency Hopping Spread Spectrum(FHSS) |         |           |         |           |         |           |
| Modulation Type:                    | GFSK, $\pi/4$ DQPSK, 8DPSK              |         |           |         |           |         |           |
| Number of Channel:                  | 79                                      |         |           |         |           |         |           |
| Hopping Channel Type:               | Adaptive Frequency Hopping systems      |         |           |         |           |         |           |
| Test Power Grade:                   | Default                                 |         |           |         |           |         |           |
| Test Software of EUT:               | HC_Data_Test                            |         |           |         |           |         |           |
| Antenna Type:                       | PCB antenna                             |         |           |         |           |         |           |
| Antenna Gain:                       | 3.45 dBi                                |         |           |         |           |         |           |
| Test Voltage:                       | DC 12V/15A 180W                         |         |           |         |           |         |           |
| Operation Frequency each of channel |                                         |         |           |         |           |         |           |
| Channel                             | Frequency                               | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1                                   | 2402MHz                                 | 21      | 2422MHz   | 41      | 2442MHz   | 61      | 2462MHz   |
| 2                                   | 2403MHz                                 | 22      | 2423MHz   | 42      | 2443MHz   | 62      | 2463MHz   |
| 3                                   | 2404MHz                                 | 23      | 2424MHz   | 43      | 2444MHz   | 63      | 2464MHz   |
| 4                                   | 2405MHz                                 | 24      | 2425MHz   | 44      | 2445MHz   | 64      | 2465MHz   |
| 5                                   | 2406MHz                                 | 25      | 2426MHz   | 45      | 2446MHz   | 65      | 2466MHz   |
| 6                                   | 2407MHz                                 | 26      | 2427MHz   | 46      | 2447MHz   | 66      | 2467MHz   |
| 7                                   | 2408MHz                                 | 27      | 2428MHz   | 47      | 2448MHz   | 67      | 2468MHz   |
| 8                                   | 2409MHz                                 | 28      | 2429MHz   | 48      | 2449MHz   | 68      | 2469MHz   |
| 9                                   | 2410MHz                                 | 29      | 2430MHz   | 49      | 2450MHz   | 69      | 2470MHz   |
| 10                                  | 2411MHz                                 | 30      | 2431MHz   | 50      | 2451MHz   | 70      | 2471MHz   |
| 11                                  | 2412MHz                                 | 31      | 2432MHz   | 51      | 2452MHz   | 71      | 2472MHz   |
| 12                                  | 2413MHz                                 | 32      | 2433MHz   | 52      | 2453MHz   | 72      | 2473MHz   |
| 13                                  | 2414MHz                                 | 33      | 2434MHz   | 53      | 2454MHz   | 73      | 2474MHz   |
| 14                                  | 2415MHz                                 | 34      | 2435MHz   | 54      | 2455MHz   | 74      | 2475MHz   |
| 15                                  | 2416MHz                                 | 35      | 2436MHz   | 55      | 2456MHz   | 75      | 2476MHz   |
| 16                                  | 2417MHz                                 | 36      | 2437MHz   | 56      | 2457MHz   | 76      | 2477MHz   |
| 17                                  | 2418MHz                                 | 37      | 2438MHz   | 57      | 2458MHz   | 77      | 2478MHz   |
| 18                                  | 2419MHz                                 | 38      | 2439MHz   | 58      | 2459MHz   | 78      | 2479MHz   |
| 19                                  | 2420MHz                                 | 39      | 2440MHz   | 59      | 2460MHz   | 79      | 2480MHz   |
| 20                                  | 2421MHz                                 | 40      | 2441MHz   | 60      | 2461MHz   |         |           |

## 6.4 Description of Support Units

The EUT has been tested independently.

## 6.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

## 6.6 Deviation from Standards

None.

## 6.7 Abnormalities from Standard Conditions

None.

## 6.8 Other Information Requested by the Customer

None.

## 6.9 Measurement Uncertainty (95% confidence levels, k=2)

| No. | Item                            | Measurement Uncertainty |
|-----|---------------------------------|-------------------------|
| 1   | Radio Frequency                 | $7.9 \times 10^{-8}$    |
| 2   | RF power, conducted             | 0.46dB (30MHz-1GHz)     |
|     |                                 | 0.55dB (1GHz-18GHz)     |
| 3   | Radiated Spurious emission test | 4.3dB (30MHz-1GHz)      |
|     |                                 | 4.5dB (1GHz-12.75GHz)   |
| 4   | Conduction emission             | 3.5dB (9kHz to 150kHz)  |
|     |                                 | 3.1dB (150kHz to 30MHz) |
| 5   | Temperature test                | 0.64°C                  |
| 6   | Humidity test                   | 3.8%                    |
| 7   | DC power voltages               | 0.026%                  |

## 7 Equipment List

| RF test system                   |               |                              |               |                        |                            |
|----------------------------------|---------------|------------------------------|---------------|------------------------|----------------------------|
| Equipment                        | Manufacturer  | Model No.                    | Serial Number | Cal. Date (mm-dd-yyyy) | Cal. Due date (mm-dd-yyyy) |
| Signal Generator                 | Keysight      | E8257D                       | MY53401106    | 03-01-2019             | 02-29-2020                 |
| Spectrum Analyzer                | Keysight      | N9010A                       | MY54510339    | 03-01-2019             | 02-29-2020                 |
| Signal Generator                 | Keysight      | N5182B                       | MY53051549    | 03-01-2019             | 02-29-2020                 |
| High-pass filter                 | Sinoscite     | FL3CX03WG1<br>8NM12-0398-002 | ---           | 01-09-2019             | 01-08-2020                 |
| High-pass filter                 | MICRO-TRONICS | SPA-F-63029-4                | ---           | 01-09-2019             | 01-08-2020                 |
| DC Power                         | Keysight      | E3642A                       | MY54426035    | 03-01-2019             | 02-29-2020                 |
| PC-1                             | Lenovo        | R4960d                       | ---           | 03-01-2019             | 02-29-2020                 |
| BT&WI-FI Automatic control       | R&S           | OSP120                       | 101374        | 03-01-2019             | 02-29-2020                 |
| RF control unit                  | JS Tonscend   | JS0806-2                     | 15860006      | 03-01-2019             | 02-29-2020                 |
| RF control unit                  | JS Tonscend   | JS0806-1                     | 15860004      | 03-01-2019             | 02-29-2020                 |
| RF control unit                  | JS Tonscend   | JS0806-4                     | 158060007     | 03-01-2019             | 02-29-2020                 |
| BT&WI-FI Automatic test software | JS Tonscend   | JS1120-2                     | ---           | 03-01-2019             | 02-29-2020                 |
| Temperature/Humidity Indicator   | biaozhi       | HM10                         | 1804186       | 10-12-2018             | 10-11-2019                 |

| Equipment                        | Manufacturer     | Model No.                | Serial Number | Cal. date (mm-dd-yyyy) | Cal. Due date (mm-dd-yyyy) |
|----------------------------------|------------------|--------------------------|---------------|------------------------|----------------------------|
| 3M Chamber & Accessory Equipment | TDK              | SAC-3                    | ---           | 05-24-2019             | 05-23-2022                 |
| TRILOG Broadband Antenna         | Schwarzbeck      | VULB9163                 | 9163-401      | 12-21-2018             | 12-20-2019                 |
| TRILOG Broadband Antenna         | Schwarzbeck      | VULB9163                 | 9163-618      | 07-26-2019             | 07-25-2020                 |
| Microwave Preamplifier           | Agilent          | 8449B                    | 3008A02425    | 07-12-2019             | 07-11-2020                 |
| Microwave Preamplifier           | Tonscend         | EMC051845 SE             | 980380        | 01-16-2019             | 01-15-2020                 |
| Horn Antenna                     | Schwarzbeck      | BBHA 9120D               | 9120D-1869    | 04-25-2018             | 04-24-2021                 |
| Horn Antenna                     | ETS-LINDGREN     | 3117                     | 00057410      | 06-05-2018             | 06-04-2021                 |
| Double ridge horn antenna        | A.H.SYSTEMS      | SAS-574                  | 374           | 06-05-2018             | 06-04-2021                 |
| Pre-amplifier                    | A.H.SYSTEMS      | PAP-1840-60              | 6041.6042     | 07-26-2019             | 07-25-2020                 |
| Loop Antenna                     | Schwarzbeck      | FMZB 1519B               | 1519B-076     | 04-25-2018             | 04-24-2021                 |
| Spectrum Analyzer                | R&S              | FSP40                    | 100416        | 04-28-2019             | 04-27-2020                 |
| Receiver                         | R&S              | ESCI                     | 100435        | 05-20-2019             | 05-19-2020                 |
| Receiver                         | R&S              | ESCI7                    | 100938-003    | 11-23-2018             | 11-22-2019                 |
| Multi device Controller          | maturio          | NCD/070/10711112         | ---           | 01-09-2019             | 01-08-2020                 |
| Signal Generator                 | Agilent          | E4438C                   | MY45095744    | 03-01-2019             | 02-29-2020                 |
| LISN                             | Schwarzbeck      | NNBM8125                 | 81251547      | 05-08-2019             | 05-07-2020                 |
| LISN                             | Schwarzbeck      | NNBM8125                 | 81251548      | 05-08-2019             | 05-07-2020                 |
| Signal Generator                 | Keysight         | E8257D                   | MY53401106    | 03-01-2019             | 02-29-2020                 |
| Temperature/ Humidity Indicator  | Shanghai qixiang | HM10                     | 1804298       | 10-12-2018             | 10-11-2019                 |
| Communication test set           | Agilent          | E5515C                   | GB47050534    | 03-01-2019             | 02-28-2022                 |
| Cable line                       | Fulai(7M)        | SF106                    | 5219/6A       | 01-09-2019             | 01-08-2020                 |
| Cable line                       | Fulai(6M)        | SF106                    | 5220/6A       | 01-09-2019             | 01-08-2020                 |
| Cable line                       | Fulai(3M)        | SF106                    | 5216/6A       | 01-09-2019             | 01-08-2020                 |
| Cable line                       | Fulai(3M)        | SF106                    | 5217/6A       | 01-09-2019             | 01-08-2020                 |
| Communication test set           | R&S              | CMW500                   | 104466        | 01-18-2019             | 01-17-2020                 |
| High-pass filter                 | Sinoscite        | FL3CX03WG18NM12-0398-002 | ---           | 01-09-2019             | 01-08-2020                 |
| High-pass filter                 | MICRO-TRONICS    | SPA-F-63029-4            | ---           | 01-09-2019             | 01-08-2020                 |
| band rejection filter            | Sinoscite        | FL5CX01CA09CL12-0395-001 | ---           | 01-09-2019             | 01-08-2020                 |
| band rejection filter            | Sinoscite        | FL5CX01CA08CL12-0393-001 | ---           | 01-09-2019             | 01-08-2020                 |
| band rejection filter            | Sinoscite        | FL5CX02CA04CL12-0396-002 | ---           | 01-09-2019             | 01-08-2020                 |
| band rejection filter            | Sinoscite        | FL5CX02CA03CL12-0394-001 | ---           | 01-09-2019             | 01-08-2020                 |

| 3M full-anechoic Chamber       |              |                   |               |                        |                            |
|--------------------------------|--------------|-------------------|---------------|------------------------|----------------------------|
| Equipment                      | Manufacturer | Model No.         | Serial Number | Cal. date (mm-dd-yyyy) | Cal. Due date (mm-dd-yyyy) |
| RSE Automatic test software    | JS Tonscend  | JS36-RSE          | 10166         | 06-19-2019             | 06-18-2020                 |
| Receiver                       | Keysight     | N9038A            | MY57290136    | 03-27-2019             | 03-26-2020                 |
| Spectrum Analyzer              | Keysight     | N9020B            | MY57111112    | 03-27-2019             | 03-26-2020                 |
| Spectrum Analyzer              | Keysight     | N9030B            | MY57140871    | 03-27-2019             | 03-26-2020                 |
| Loop Antenna                   | Schwarzbeck  | FMZB 1519B        | 1519B-075     | 04-25-2018             | 04-24-2021                 |
| Loop Antenna                   | Schwarzbeck  | FMZB 1519B        | 1519B-076     | 04-25-2018             | 04-24-2021                 |
| TRILOG Broadband Antenna       | Schwarzbeck  | VULB 9163         | 9163-1148     | 04-25-2018             | 04-24-2021                 |
| Horn Antenna                   | Schwarzbeck  | BBHA 9170         | 9170-832      | 04-25-2018             | 04-24-2021                 |
| Horn Antenna                   | Schwarzbeck  | BBHA 9170         | 9170-829      | 04-25-2018             | 04-24-2021                 |
| Communication Antenna          | Schwarzbeck  | CLSA 0110L        | 1014          | 02-14-2019             | 02-13-2020                 |
| Biconical antenna              | Schwarzbeck  | VUBA 9117         | 9117-381      | 04-25-2018             | 04-24-2021                 |
| Horn Antenna                   | ETS-LINDGREN | 3117              | 00057407      | 07-10-2018             | 07-09-2021                 |
| Preamplifier                   | EMCI         | EMC184055SE       | 980596        | 05-22-2019             | 5-21-2020                  |
| Communication test set         | R&S          | CMW500            | 102898        | 01-18-2019             | 01-17-2020                 |
| Preamplifier                   | EMCI         | EMC001330         | 980563        | 05-08-2019             | 05-07-2020                 |
| Preamplifier                   | Agilent      | 8449B             | 3008A02425    | 07-12-2019             | 07-11-2020                 |
| Temperature/Humidity Indicator | biaozhi      | GM1360            | EE1186631     | 04-30-2019             | 04-29-2020                 |
| Signal Generator               | KEYSIGHT     | E8257D            | MY53401106    | 03-01-2019             | 02-29-2020                 |
| Fully Anechoic Chamber         | TDK          | FAC-3             | ---           | 01-17-2018             | 01-16-2021                 |
| Filter bank                    | JS Tonscend  | JS0806-F          | 188060094     | 04-10-2018             | 04-09-2021                 |
| Cable line                     | Times        | SFT205-NMSM-2.50M | 394812-0001   | 01-09-2019             | 01-08-2020                 |
| Cable line                     | Times        | SFT205-NMSM-2.50M | 394812-0002   | 01-09-2019             | 01-08-2020                 |
| Cable line                     | Times        | SFT205-NMSM-2.50M | 394812-0003   | 01-09-2019             | 01-08-2020                 |
| Cable line                     | Times        | SFT205-NMSM-2.50M | 393495-0001   | 01-09-2019             | 01-08-2020                 |
| Cable line                     | Times        | EMC104-NMNM-1000  | SN160710      | 01-09-2019             | 01-08-2020                 |
| Cable line                     | Times        | SFT205-NMSM-3.00M | 394813-0001   | 01-09-2019             | 01-08-2020                 |
| Cable line                     | Times        | SFT205-NMNM-1.50M | 381964-0001   | 01-09-2019             | 01-08-2020                 |
| Cable line                     | Times        | SFT205-NMSM-7.00M | 394815-0001   | 01-09-2019             | 01-08-2020                 |
| Cable line                     | Times        | HF160-KMKM-3.00M  | 393493-0001   | 01-09-2019             | 01-08-2020                 |

## 8 Radio Technical Requirements Specification

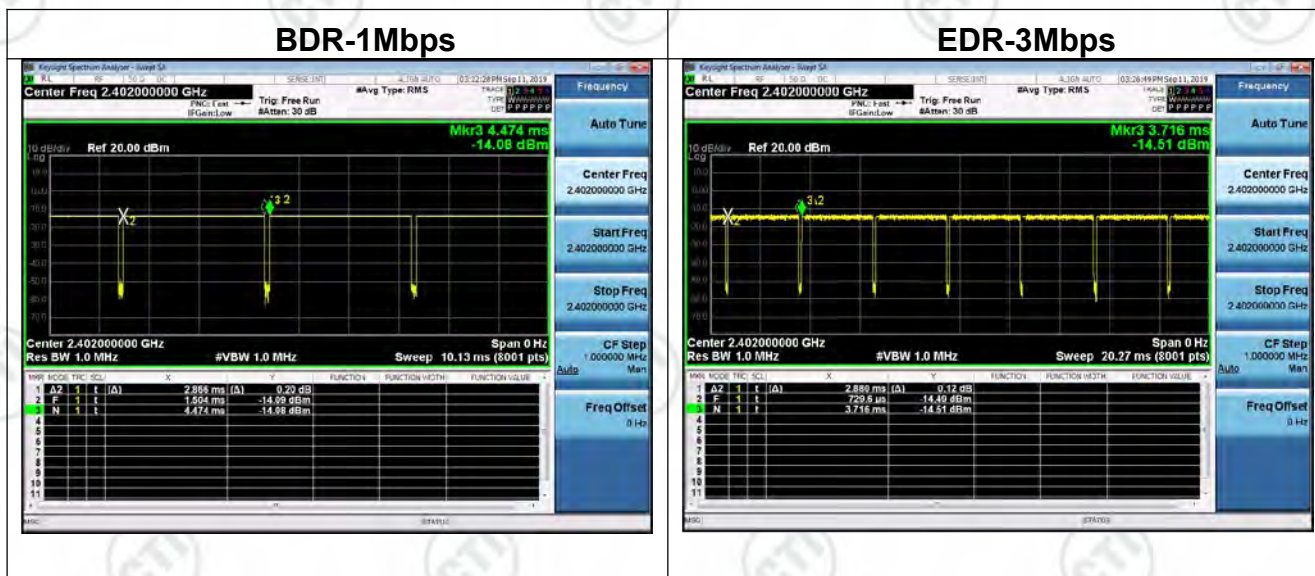
| No. | Identity         | Document Title                                                     |
|-----|------------------|--------------------------------------------------------------------|
| 1   | FCC Part15C      | Subpart C-Intentional Radiators                                    |
| 2   | ANSI C63.10-2013 | American National Standard for Testing Unlicensed Wireless Devices |

### Reference documents for testing:

### Test Results List:

| Test requirement                  | Test method | Test item                                     | Verdict | Note        |
|-----------------------------------|-------------|-----------------------------------------------|---------|-------------|
| Part15C Section 15.247 (a)(1)     | ANSI 63.10  | 20dB Occupied Bandwidth                       | PASS    | Appendix A) |
| Part15C Section 15.247 (a)(1)     | ANSI 63.10  | Carrier Frequencies Separation                | PASS    | Appendix B) |
| Part15C Section 15.247 (a)(1)     | ANSI 63.10  | Dwell Time                                    | PASS    | Appendix C) |
| Part15C Section 15.247 (b)        | ANSI 63.10  | Hopping Channel Number                        | PASS    | Appendix D) |
| Part15C Section 15.247 (b)(1)     | ANSI 63.10  | Conducted Peak Output Power                   | PASS    | Appendix E) |
| Part15C Section 15.247(d)         | ANSI 63.10  | Band-edge for RF Conducted Emissions          | PASS    | Appendix F) |
| Part15C Section 15.247(d)         | ANSI 63.10  | RF Conducted Spurious Emissions               | PASS    | Appendix G) |
| Part15C Section 15.247 (a)(1)     | ANSI 63.10  | Pseudorandom Frequency                        | PASS    | Appendix H) |
| Part15C Section 15.203/15.247 (c) | ANSI 63.10  | Antenna Requirement                           | PASS    | Appendix I) |
| Part15C Section 15.207            | ANSI 63.10  | AC Power Line Conducted                       | N/A     |             |
| Part15C Section 15.205/15.209     | ANSI 63.10  | Restricted bands around fundamental frequency | PASS    | Appendix J) |
| Part15C Section 15.205/15.209     | ANSI 63.10  | Radiated Spurious Emissions                   | PASS    | Appendix K) |

| Duty Cycle    |           |            |               |
|---------------|-----------|------------|---------------|
| Configuration | TX ON(ms) | TX ALL(ms) | Duty Cycle(%) |
| BDR-1Mbps     | 2.866     | 2.97       | 96.5%         |
| EDR-3Mbps     | 2.880     | 2.9864     | 96.44%        |



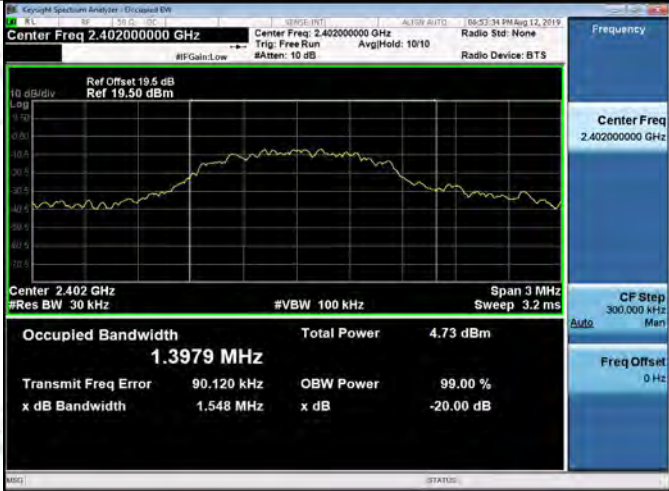
## Appendix A): 20dB Occupied Bandwidth

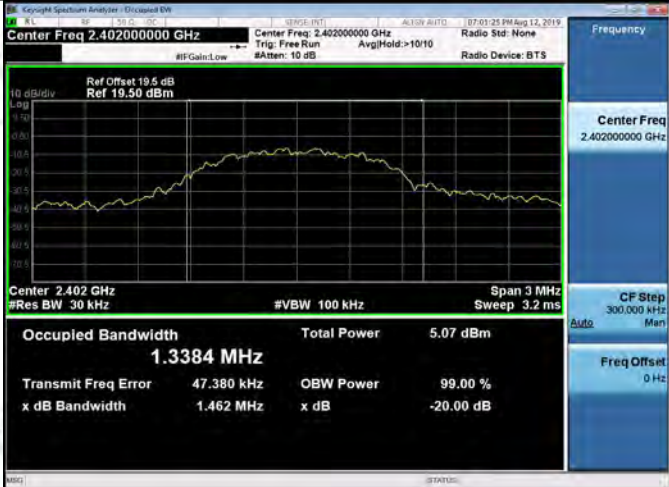
### Test Result

| Mode          | Channel. | 20dB Bandwidth [MHz] | 99% OBW [MHz] | Verdict |
|---------------|----------|----------------------|---------------|---------|
| GFSK          | LCH      | 0.8414               | 0.76496       | PASS    |
| GFSK          | MCH      | 0.8457               | 0.76755       | PASS    |
| GFSK          | HCH      | 0.8488               | 0.77259       | PASS    |
| $\pi/4$ DQPSK | LCH      | 1.548                | 1.3979        | PASS    |
| $\pi/4$ DQPSK | MCH      | 1.377                | 1.2637        | PASS    |
| $\pi/4$ DQPSK | HCH      | 1.289                | 1.2154        | PASS    |
| 8DPSK         | LCH      | 1.462                | 1.3384        | PASS    |
| 8DPSK         | MCH      | 1.315                | 1.2437        | PASS    |
| 8DPSK         | HCH      | 1.323                | 1.2296        | PASS    |

## Test Graph



|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><math>\pi/4</math>DQPSK/LCH</p> |  <p>Center Freq 2.40200000 GHz</p> <p>Ref Offset 19.5 dB<br/>Ref 19.50 dBm</p> <p>Center 2.402 GHz<br/>#Res BW 30 kHz</p> <p>#VBW 100 kHz<br/>Span 3 MHz<br/>Sweep 3.2 ms</p> <p>Occupied Bandwidth 1.3979 MHz</p> <p>Total Power 4.73 dBm</p> <p>Transmit Freq Error 90.120 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 1.548 MHz</p> <p>x dB -20.00 dB</p>    |
| <p><math>\pi/4</math>DQPSK/MCH</p> |  <p>Center Freq 2.44100000 GHz</p> <p>Ref Offset 19.77 dB<br/>Ref 19.77 dBm</p> <p>Center 2.441 GHz<br/>#Res BW 30 kHz</p> <p>#VBW 100 kHz<br/>Span 3 MHz<br/>Sweep 3.2 ms</p> <p>Occupied Bandwidth 1.2637 MHz</p> <p>Total Power 4.14 dBm</p> <p>Transmit Freq Error 26.563 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 1.377 MHz</p> <p>x dB -20.00 dB</p>  |
| <p><math>\pi/4</math>DQPSK/HCH</p> |  <p>Center Freq 2.48000000 GHz</p> <p>Ref Offset 19.77 dB<br/>Ref 19.77 dBm</p> <p>Center 2.48 GHz<br/>#Res BW 30 kHz</p> <p>#VBW 100 kHz<br/>Span 3 MHz<br/>Sweep 3.2 ms</p> <p>Occupied Bandwidth 1.2154 MHz</p> <p>Total Power 3.14 dBm</p> <p>Transmit Freq Error -14.738 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 1.289 MHz</p> <p>x dB -20.00 dB</p> |

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8DPSK/LCH |  <p>Center Freq 2.402000000 GHz</p> <p>Ref Offset 19.5 dB<br/>Ref 19.50 dBm</p> <p>Center 2.402 GHz<br/>#Res BW 30 kHz<br/>#VBW 100 kHz<br/>Span 3 MHz<br/>Sweep 3.2 ms</p> <p>Occupied Bandwidth 1.3384 MHz</p> <p>Total Power 5.07 dBm</p> <p>Transmit Freq Error 47.380 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 1.462 MHz</p> <p>x dB -20.00 dB</p>    |
| 8DPSK/MCH |  <p>Center Freq 2.441000000 GHz</p> <p>Ref Offset 19.77 dB<br/>Ref 19.77 dBm</p> <p>Center 2.441 GHz<br/>#Res BW 30 kHz<br/>#VBW 100 kHz<br/>Span 3 MHz<br/>Sweep 3.2 ms</p> <p>Occupied Bandwidth 1.2437 MHz</p> <p>Total Power 4.47 dBm</p> <p>Transmit Freq Error 5.301 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 1.315 MHz</p> <p>x dB -20.00 dB</p>   |
| 8DPSK/HCH |  <p>Center Freq 2.480000000 GHz</p> <p>Ref Offset 19.77 dB<br/>Ref 19.77 dBm</p> <p>Center 2.48 GHz<br/>#Res BW 30 kHz<br/>#VBW 100 kHz<br/>Span 3 MHz<br/>Sweep 3.2 ms</p> <p>Occupied Bandwidth 1.2296 MHz</p> <p>Total Power 3.44 dBm</p> <p>Transmit Freq Error -14.481 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 1.323 MHz</p> <p>x dB -20.00 dB</p> |

## Appendix B): Carrier Frequency Separation Result Table

| Mode          | Channel. | Carrier Frequency Separation [MHz] | Verdict |
|---------------|----------|------------------------------------|---------|
| GFSK          | LCH      | 1.000                              | PASS    |
| GFSK          | MCH      | 1.000                              | PASS    |
| GFSK          | HCH      | 1.000                              | PASS    |
| $\pi/4$ DQPSK | LCH      | 1.002                              | PASS    |
| $\pi/4$ DQPSK | MCH      | 1.178                              | PASS    |
| $\pi/4$ DQPSK | HCH      | 0.990                              | PASS    |
| 8DPSK         | LCH      | 1.000                              | PASS    |
| 8DPSK         | MCH      | 0.958                              | PASS    |
| 8DPSK         | HCH      | 1.012                              | PASS    |

## Test Graph



| $\pi/4$ DQPSK/LCH |  <p>Center Freq 2.402500000 GHz</p> <p>Ref Offset 19.5 dB<br/>Ref 19.50 dBm</p> <p><math>\Delta</math>Mkr1 1.002 MHz<br/>-0.105 dB</p> <p>Start 2.401500 GHz #VBW 100 kHz Stop 2.403500 GHz<br/>#Res BW 30 kHz Sweep 2.133 ms (1001 pts)</p> <table><tr><th>NR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION METH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>A2</td><td>1</td><td>f</td><td>(A)</td><td>1.002 MHz</td><td>(A)</td><td>-0.105 dB</td><td></td></tr><tr><td>2</td><td>F</td><td>1</td><td>f</td><td></td><td>2.401992 GHz</td><td></td><td>-0.935 dBm</td><td></td></tr></table>   | NR  | MODE | TRC | SCL          | X        | Y             | FUNCTION       | FUNCTION METH | FUNCTION VALUE | 1 | A2 | 1 | f | (A) | 1.002 MHz | (A) | -0.105 dB |  | 2 | F | 1 | f |  | 2.401992 GHz |  | -0.935 dBm |  |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-----|--------------|----------|---------------|----------------|---------------|----------------|---|----|---|---|-----|-----------|-----|-----------|--|---|---|---|---|--|--------------|--|------------|--|
| NR                | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TRC | SCL  | X   | Y            | FUNCTION | FUNCTION METH | FUNCTION VALUE |               |                |   |    |   |   |     |           |     |           |  |   |   |   |   |  |              |  |            |  |
| 1                 | A2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1   | f    | (A) | 1.002 MHz    | (A)      | -0.105 dB     |                |               |                |   |    |   |   |     |           |     |           |  |   |   |   |   |  |              |  |            |  |
| 2                 | F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1   | f    |     | 2.401992 GHz |          | -0.935 dBm    |                |               |                |   |    |   |   |     |           |     |           |  |   |   |   |   |  |              |  |            |  |
| $\pi/4$ DQPSK/MCH |  <p>Center Freq 2.440500000 GHz</p> <p>Ref Offset 19.77 dB<br/>Ref 19.77 dBm</p> <p><math>\Delta</math>Mkr1 1.178 MHz<br/>-0.148 dB</p> <p>Start 2.439500 GHz #VBW 100 kHz Stop 2.441500 GHz<br/>#Res BW 30 kHz Sweep 2.133 ms (1001 pts)</p> <table><tr><th>NR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION METH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>A2</td><td>1</td><td>f</td><td>(A)</td><td>1.178 MHz</td><td>(A)</td><td>-0.148 dB</td><td></td></tr><tr><td>2</td><td>F</td><td>1</td><td>f</td><td></td><td>2.439972 GHz</td><td></td><td>-1.890 dBm</td><td></td></tr></table> | NR  | MODE | TRC | SCL          | X        | Y             | FUNCTION       | FUNCTION METH | FUNCTION VALUE | 1 | A2 | 1 | f | (A) | 1.178 MHz | (A) | -0.148 dB |  | 2 | F | 1 | f |  | 2.439972 GHz |  | -1.890 dBm |  |
| NR                | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TRC | SCL  | X   | Y            | FUNCTION | FUNCTION METH | FUNCTION VALUE |               |                |   |    |   |   |     |           |     |           |  |   |   |   |   |  |              |  |            |  |
| 1                 | A2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1   | f    | (A) | 1.178 MHz    | (A)      | -0.148 dB     |                |               |                |   |    |   |   |     |           |     |           |  |   |   |   |   |  |              |  |            |  |
| 2                 | F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1   | f    |     | 2.439972 GHz |          | -1.890 dBm    |                |               |                |   |    |   |   |     |           |     |           |  |   |   |   |   |  |              |  |            |  |
| $\pi/4$ DQPSK/HCH |  <p>Center Freq 2.479500000 GHz</p> <p>Ref Offset 19.77 dB<br/>Ref 19.77 dBm</p> <p><math>\Delta</math>Mkr1 990 kHz<br/>-0.468 dB</p> <p>Start 2.478500 GHz #VBW 100 kHz Stop 2.480500 GHz<br/>#Res BW 30 kHz Sweep 2.133 ms (1001 pts)</p> <table><tr><th>NR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION METH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>A2</td><td>1</td><td>f</td><td>(A)</td><td>990 kHz</td><td>(A)</td><td>-0.468 dB</td><td></td></tr><tr><td>2</td><td>F</td><td>1</td><td>f</td><td></td><td>2.479002 GHz</td><td></td><td>-2.351 dBm</td><td></td></tr></table>    | NR  | MODE | TRC | SCL          | X        | Y             | FUNCTION       | FUNCTION METH | FUNCTION VALUE | 1 | A2 | 1 | f | (A) | 990 kHz   | (A) | -0.468 dB |  | 2 | F | 1 | f |  | 2.479002 GHz |  | -2.351 dBm |  |
| NR                | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TRC | SCL  | X   | Y            | FUNCTION | FUNCTION METH | FUNCTION VALUE |               |                |   |    |   |   |     |           |     |           |  |   |   |   |   |  |              |  |            |  |
| 1                 | A2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1   | f    | (A) | 990 kHz      | (A)      | -0.468 dB     |                |               |                |   |    |   |   |     |           |     |           |  |   |   |   |   |  |              |  |            |  |
| 2                 | F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1   | f    |     | 2.479002 GHz |          | -2.351 dBm    |                |               |                |   |    |   |   |     |           |     |           |  |   |   |   |   |  |              |  |            |  |

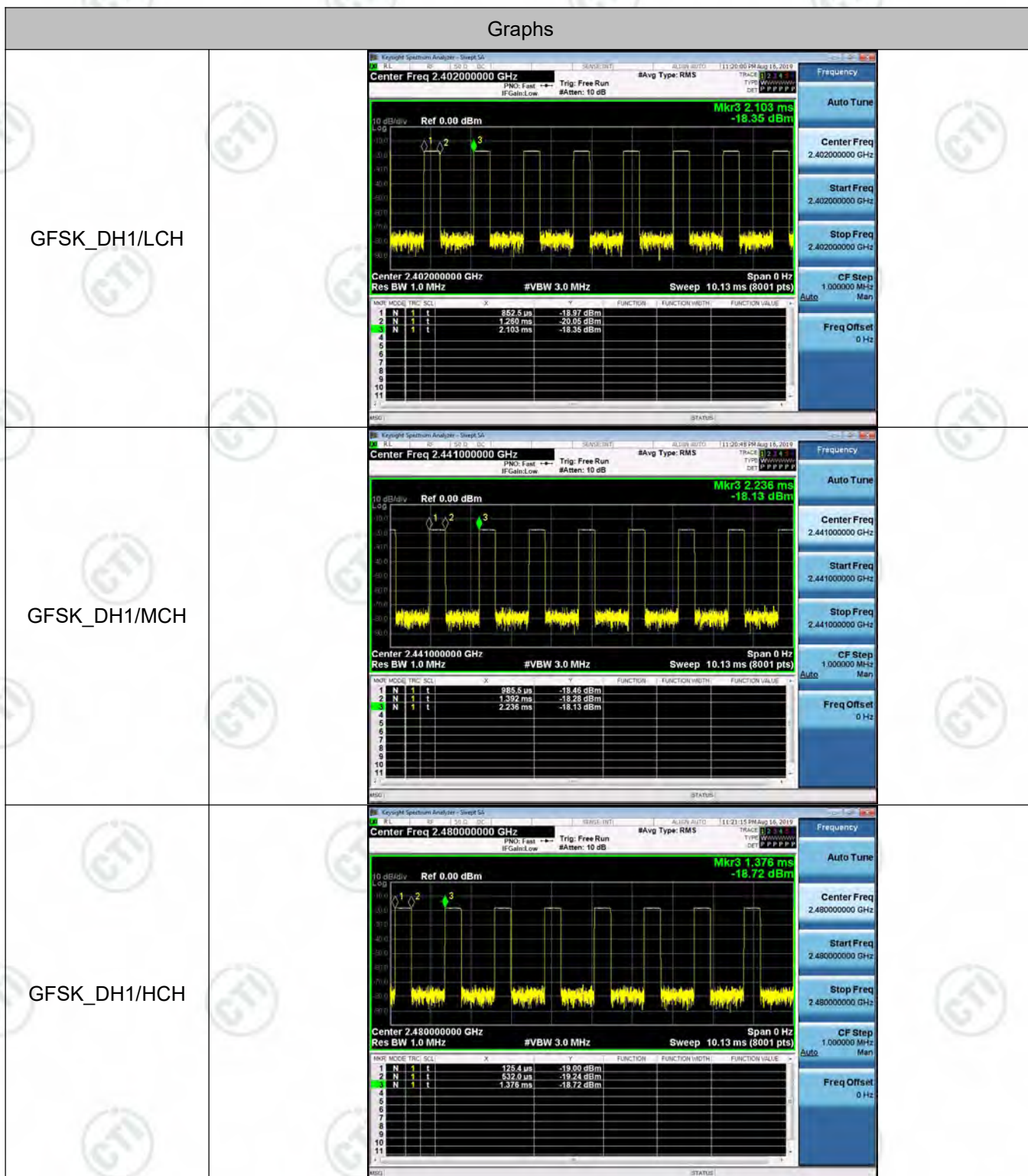
| 8DPSK/LCH |  <p>Center Freq 2.402500000 GHz</p> <p>Ref Offset 19.5 dB<br/>Ref 19.50 dBm</p> <p>ΔMkr1 1.000 MHz<br/>-0.043 dB</p> <p>Start 2.401500 GHz<br/>#Res BW 30 kHz</p> <p>#VBW 100 kHz</p> <p>Stop 2.403500 GHz<br/>Sweep 2.133 ms (1001 pts)</p> <table><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>ΔZ</td><td>1</td><td>f</td><td>(Δ)</td><td>1.000 MHz (Δ)</td><td>-0.043 dB</td><td></td><td></td></tr><tr><td>2</td><td>F</td><td>1</td><td>f</td><td>(Δ)</td><td>2.401 834 GHz</td><td>-0.294 dBm</td><td></td><td></td></tr></table>    | MARK | MODE | TRIG | SCL           | X          | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | ΔZ | 1 | f | (Δ) | 1.000 MHz (Δ) | -0.043 dB |  |  | 2 | F | 1 | f | (Δ) | 2.401 834 GHz | -0.294 dBm |  |  |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|---------------|------------|----------------|----------------|----------------|----------------|---|----|---|---|-----|---------------|-----------|--|--|---|---|---|---|-----|---------------|------------|--|--|
| MARK      | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TRIG | SCL  | X    | Y             | FUNCTION   | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |    |   |   |     |               |           |  |  |   |   |   |   |     |               |            |  |  |
| 1         | ΔZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1    | f    | (Δ)  | 1.000 MHz (Δ) | -0.043 dB  |                |                |                |                |   |    |   |   |     |               |           |  |  |   |   |   |   |     |               |            |  |  |
| 2         | F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1    | f    | (Δ)  | 2.401 834 GHz | -0.294 dBm |                |                |                |                |   |    |   |   |     |               |           |  |  |   |   |   |   |     |               |            |  |  |
| 8DPSK/MCH |  <p>Center Freq 2.440500000 GHz</p> <p>Ref Offset 19.77 dB<br/>Ref 19.77 dBm</p> <p>ΔMkr1 958 kHz<br/>0.132 dB</p> <p>Start 2.439500 GHz<br/>#Res BW 30 kHz</p> <p>#VBW 100 kHz</p> <p>Stop 2.441500 GHz<br/>Sweep 2.133 ms (1001 pts)</p> <table><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>ΔZ</td><td>1</td><td>f</td><td>(Δ)</td><td>958 kHz (Δ)</td><td>0.132 dB</td><td></td><td></td></tr><tr><td>2</td><td>F</td><td>1</td><td>f</td><td>(Δ)</td><td>2.439 982 GHz</td><td>-1.168 dBm</td><td></td><td></td></tr></table>        | MARK | MODE | TRIG | SCL           | X          | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | ΔZ | 1 | f | (Δ) | 958 kHz (Δ)   | 0.132 dB  |  |  | 2 | F | 1 | f | (Δ) | 2.439 982 GHz | -1.168 dBm |  |  |
| MARK      | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TRIG | SCL  | X    | Y             | FUNCTION   | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |    |   |   |     |               |           |  |  |   |   |   |   |     |               |            |  |  |
| 1         | ΔZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1    | f    | (Δ)  | 958 kHz (Δ)   | 0.132 dB   |                |                |                |                |   |    |   |   |     |               |           |  |  |   |   |   |   |     |               |            |  |  |
| 2         | F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1    | f    | (Δ)  | 2.439 982 GHz | -1.168 dBm |                |                |                |                |   |    |   |   |     |               |           |  |  |   |   |   |   |     |               |            |  |  |
| 8DPSK/HCH |  <p>Center Freq 2.479500000 GHz</p> <p>Ref Offset 19.77 dB<br/>Ref 19.77 dBm</p> <p>ΔMkr1 1.012 MHz<br/>-0.924 dB</p> <p>Start 2.478500 GHz<br/>#Res BW 30 kHz</p> <p>#VBW 100 kHz</p> <p>Stop 2.480500 GHz<br/>Sweep 2.133 ms (1001 pts)</p> <table><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>ΔZ</td><td>1</td><td>f</td><td>(Δ)</td><td>1.012 MHz (Δ)</td><td>-0.924 dB</td><td></td><td></td></tr><tr><td>2</td><td>F</td><td>1</td><td>f</td><td>(Δ)</td><td>2.478 994 GHz</td><td>-1.879 dBm</td><td></td><td></td></tr></table> | MARK | MODE | TRIG | SCL           | X          | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | ΔZ | 1 | f | (Δ) | 1.012 MHz (Δ) | -0.924 dB |  |  | 2 | F | 1 | f | (Δ) | 2.478 994 GHz | -1.879 dBm |  |  |
| MARK      | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TRIG | SCL  | X    | Y             | FUNCTION   | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |    |   |   |     |               |           |  |  |   |   |   |   |     |               |            |  |  |
| 1         | ΔZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1    | f    | (Δ)  | 1.012 MHz (Δ) | -0.924 dB  |                |                |                |                |   |    |   |   |     |               |           |  |  |   |   |   |   |     |               |            |  |  |
| 2         | F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1    | f    | (Δ)  | 2.478 994 GHz | -1.879 dBm |                |                |                |                |   |    |   |   |     |               |           |  |  |   |   |   |   |     |               |            |  |  |

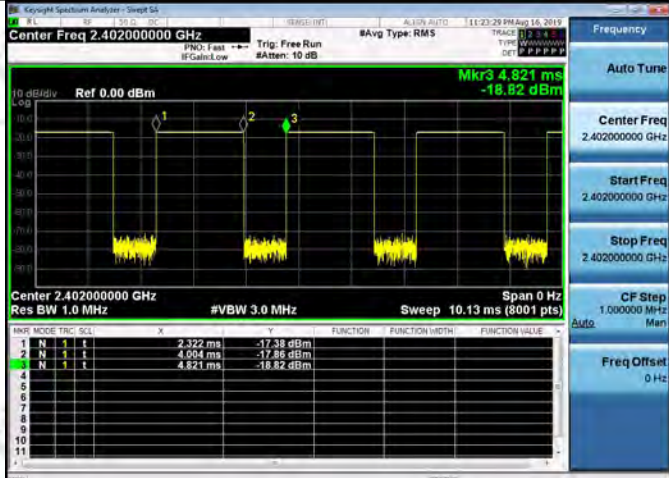
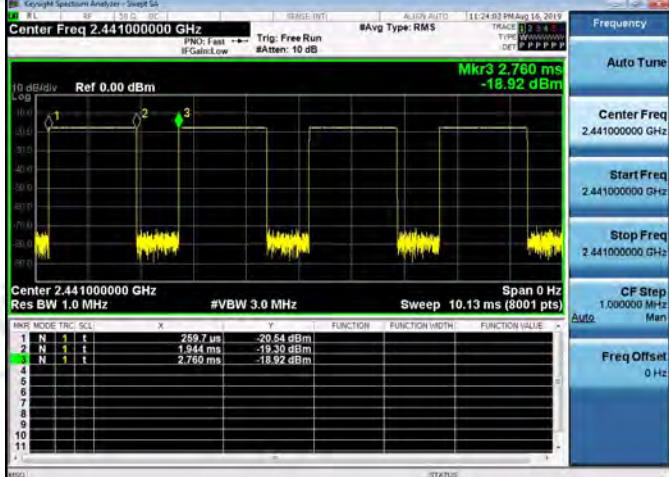
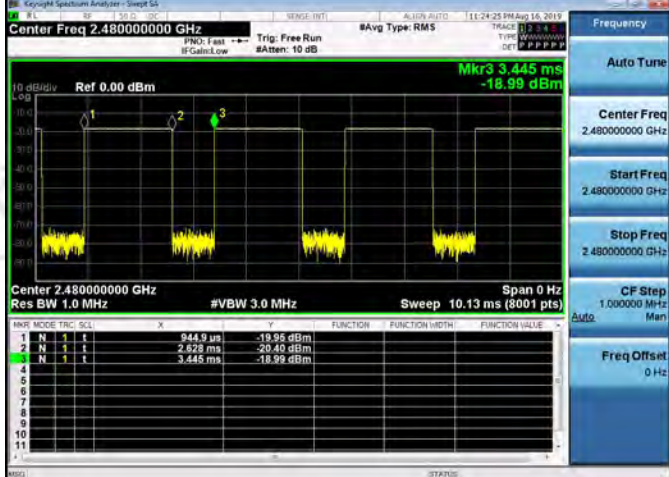
## Appendix C): Dwell Time Result Table

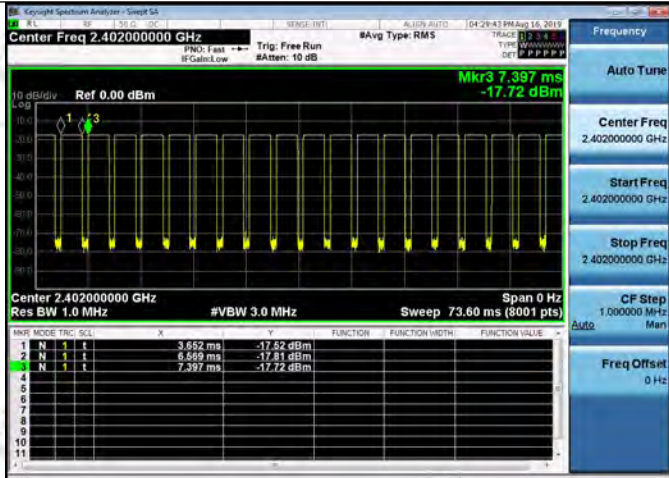
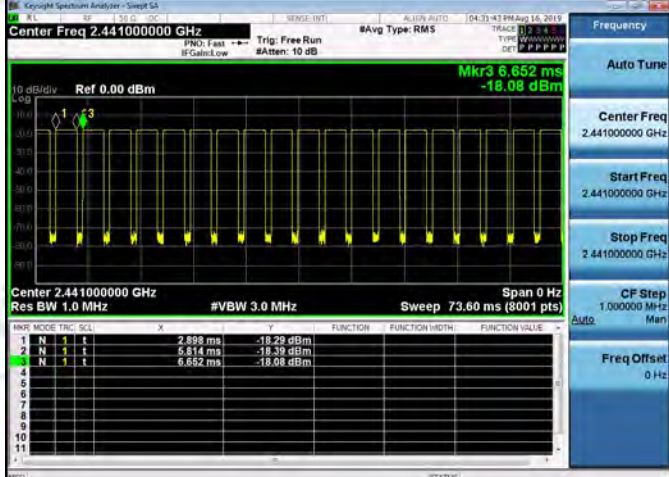
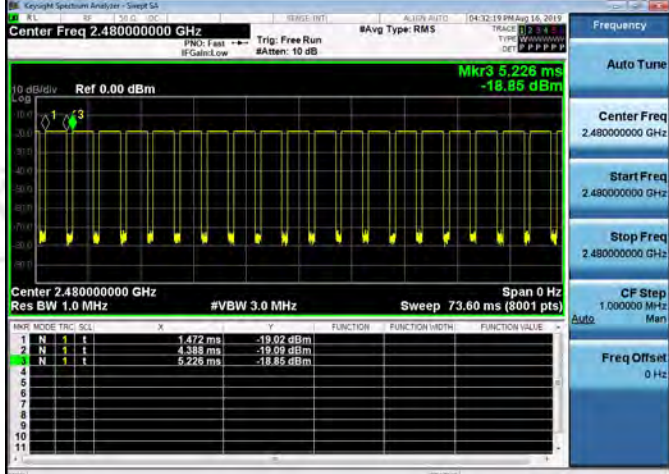
| Mode | Packet | Channel | Burst Width<br>[ms/hop/ch] | Total<br>Hops[hop*ch] | Dwell<br>Time[s] | Duty Cycle<br>[%] | Verdict |
|------|--------|---------|----------------------------|-----------------------|------------------|-------------------|---------|
| GFSK | DH1    | LCH     | 0.407863                   | 320                   | 0.131            | 0.33              | PASS    |
| GFSK | DH1    | MCH     | 0.406603                   | 320                   | 0.13             | 0.33              | PASS    |
| GFSK | DH1    | HCH     | 0.4066                     | 320                   | 0.13             | 0.33              | PASS    |
| GFSK | DH3    | LCH     | 1.68213                    | 160                   | 0.269            | 0.67              | PASS    |
| GFSK | DH3    | MCH     | 1.684663                   | 160                   | 0.27             | 0.67              | PASS    |
| GFSK | DH3    | HCH     | 1.683397                   | 160                   | 0.269            | 0.67              | PASS    |
| GFSK | DH5    | LCH     | 2.9164                     | 106.7                 | 0.311            | 0.78              | PASS    |
| GFSK | DH5    | MCH     | 2.9164                     | 106.7                 | 0.311            | 0.78              | PASS    |
| GFSK | DH5    | HCH     | 2.9164                     | 106.7                 | 0.311            | 0.78              | PASS    |

The GFSK is worst case mode.

## Test Graph



|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| GFSK_DH3/LCH |    |
| GFSK_DH3/MCH |   |
| GFSK_DH3/HCH |  |

| GFSK_DH5/LCH |  <table><thead><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION MATH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>t</td><td>3.652 ms</td><td>-17.52 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>t</td><td>6.669 ms</td><td>-17.81 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>t</td><td>7.397 ms</td><td>-17.72 dBm</td><td></td><td></td><td></td></tr></tbody></table>   | MARK | MODE | TRIG     | SCL        | X        | Y             | FUNCTION       | FUNCTION MATH | FUNCTION VALUE | 1 | N | 1 | t | 3.652 ms | -17.52 dBm |  |  |  | 2 | N | 1 | t | 6.669 ms | -17.81 dBm |  |  |  | 3 | N | 1 | t | 7.397 ms | -17.72 dBm |  |  |  |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|----------|------------|----------|---------------|----------------|---------------|----------------|---|---|---|---|----------|------------|--|--|--|---|---|---|---|----------|------------|--|--|--|---|---|---|---|----------|------------|--|--|--|
| MARK         | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TRIG | SCL  | X        | Y          | FUNCTION | FUNCTION MATH | FUNCTION VALUE |               |                |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |
| 1            | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1    | t    | 3.652 ms | -17.52 dBm |          |               |                |               |                |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |
| 2            | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1    | t    | 6.669 ms | -17.81 dBm |          |               |                |               |                |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |
| 3            | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1    | t    | 7.397 ms | -17.72 dBm |          |               |                |               |                |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |
| GFSK_DH5/MCH |  <table><thead><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION MATH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>t</td><td>2.899 ms</td><td>-18.29 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>t</td><td>5.814 ms</td><td>-18.39 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>t</td><td>6.592 ms</td><td>-18.08 dBm</td><td></td><td></td><td></td></tr></tbody></table>  | MARK | MODE | TRIG     | SCL        | X        | Y             | FUNCTION       | FUNCTION MATH | FUNCTION VALUE | 1 | N | 1 | t | 2.899 ms | -18.29 dBm |  |  |  | 2 | N | 1 | t | 5.814 ms | -18.39 dBm |  |  |  | 3 | N | 1 | t | 6.592 ms | -18.08 dBm |  |  |  |
| MARK         | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TRIG | SCL  | X        | Y          | FUNCTION | FUNCTION MATH | FUNCTION VALUE |               |                |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |
| 1            | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1    | t    | 2.899 ms | -18.29 dBm |          |               |                |               |                |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |
| 2            | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1    | t    | 5.814 ms | -18.39 dBm |          |               |                |               |                |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |
| 3            | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1    | t    | 6.592 ms | -18.08 dBm |          |               |                |               |                |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |
| GFSK_DH5/HCH |  <table><thead><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION MATH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>t</td><td>1.472 ms</td><td>-19.02 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>t</td><td>4.388 ms</td><td>-19.09 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>t</td><td>5.226 ms</td><td>-18.85 dBm</td><td></td><td></td><td></td></tr></tbody></table> | MARK | MODE | TRIG     | SCL        | X        | Y             | FUNCTION       | FUNCTION MATH | FUNCTION VALUE | 1 | N | 1 | t | 1.472 ms | -19.02 dBm |  |  |  | 2 | N | 1 | t | 4.388 ms | -19.09 dBm |  |  |  | 3 | N | 1 | t | 5.226 ms | -18.85 dBm |  |  |  |
| MARK         | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TRIG | SCL  | X        | Y          | FUNCTION | FUNCTION MATH | FUNCTION VALUE |               |                |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |
| 1            | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1    | t    | 1.472 ms | -19.02 dBm |          |               |                |               |                |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |
| 2            | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1    | t    | 4.388 ms | -19.09 dBm |          |               |                |               |                |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |
| 3            | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1    | t    | 5.226 ms | -18.85 dBm |          |               |                |               |                |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |   |   |   |   |          |            |  |  |  |

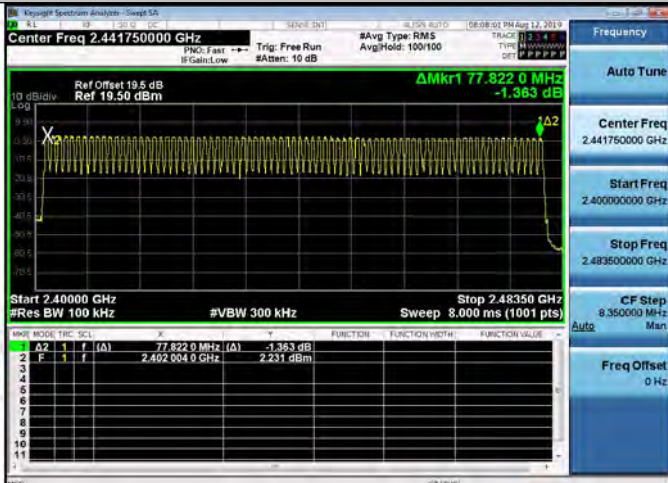
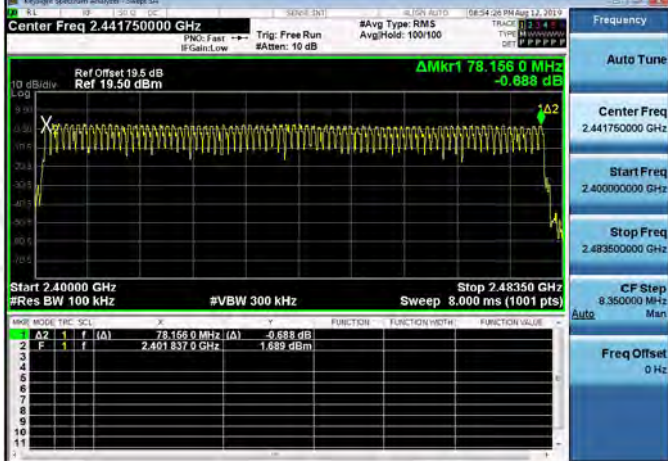
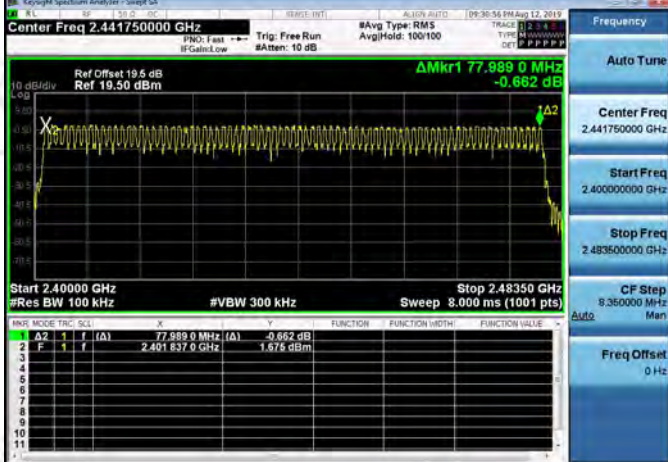


## Appendix D): Hopping Channel Number Result Table

| Mode          | Channel. | Number of Hopping Channel | Verdict |
|---------------|----------|---------------------------|---------|
| GFSK          | Hop      | 79                        | PASS    |
| $\pi/4$ DQPSK | Hop      | 79                        | PASS    |
| 8DPSK         | Hop      | 79                        | PASS    |

## Test Graph

### Graphs

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| GFSK/Hop          |    |
| $\pi/4$ DQPSK/Hop |   |
| 8DPSK/Hop         |  |

## Appendix E): Conducted Peak Output Power Result Table

| Mode          | Channel. | Maximum Peak Output Power [dBm] | Verdict |
|---------------|----------|---------------------------------|---------|
| GFSK          | LCH      | 3.386                           | PASS    |
| GFSK          | MCH      | 3.153                           | PASS    |
| GFSK          | HCH      | 2.460                           | PASS    |
| $\pi/4$ DQPSK | LCH      | 1.694                           | PASS    |
| $\pi/4$ DQPSK | MCH      | 1.352                           | PASS    |
| $\pi/4$ DQPSK | HCH      | 0.446                           | PASS    |
| 8DPSK         | LCH      | 1.966                           | PASS    |
| 8DPSK         | MCH      | 1.628                           | PASS    |
| 8DPSK         | HCH      | 0.730                           | PASS    |

## Test Graph

| Graphs   |  |
|----------|--|
| GFSK/LCH |  |
| GFSK/MCH |  |
| GFSK/HCH |  |

|                                    |                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------|
| <p><math>\pi/4</math>DQPSK/LCH</p> |    |
| <p><math>\pi/4</math>DQPSK/MCH</p> |   |
| <p><math>\pi/4</math>DQPSK/HCH</p> |  |

|           |                                                                                                                                                                                                                                                                                                      |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8DPSK/LCH |  <p>Center Freq 2.40200000 GHz<br/>Ref Offset 20.7 dB<br/>Ref 20.00 dBm<br/>Mkr1 2.402 215 625 GHz<br/>1.986 dBm<br/>Center 2.402000 GHz<br/>#Res BW 3.0 MHz<br/>#VBW 8.0 MHz<br/>Sweep 1.067 ms (8001 pts)</p>    |
| 8DPSK/MCH |  <p>Center Freq 2.44100000 GHz<br/>Ref Offset 20.97 dB<br/>Ref 20.00 dBm<br/>Mkr1 2.441 101 250 GHz<br/>1.628 dBm<br/>Center 2.441000 GHz<br/>#Res BW 3.0 MHz<br/>#VBW 8.0 MHz<br/>Sweep 1.067 ms (8001 pts)</p>  |
| 8DPSK/HCH |  <p>Center Freq 2.48000000 GHz<br/>Ref Offset 20.97 dB<br/>Ref 20.00 dBm<br/>Mkr1 2.480 116 750 GHz<br/>0.730 dBm<br/>Center 2.480000 GHz<br/>#Res BW 3.0 MHz<br/>#VBW 8.0 MHz<br/>Sweep 1.067 ms (8001 pts)</p> |

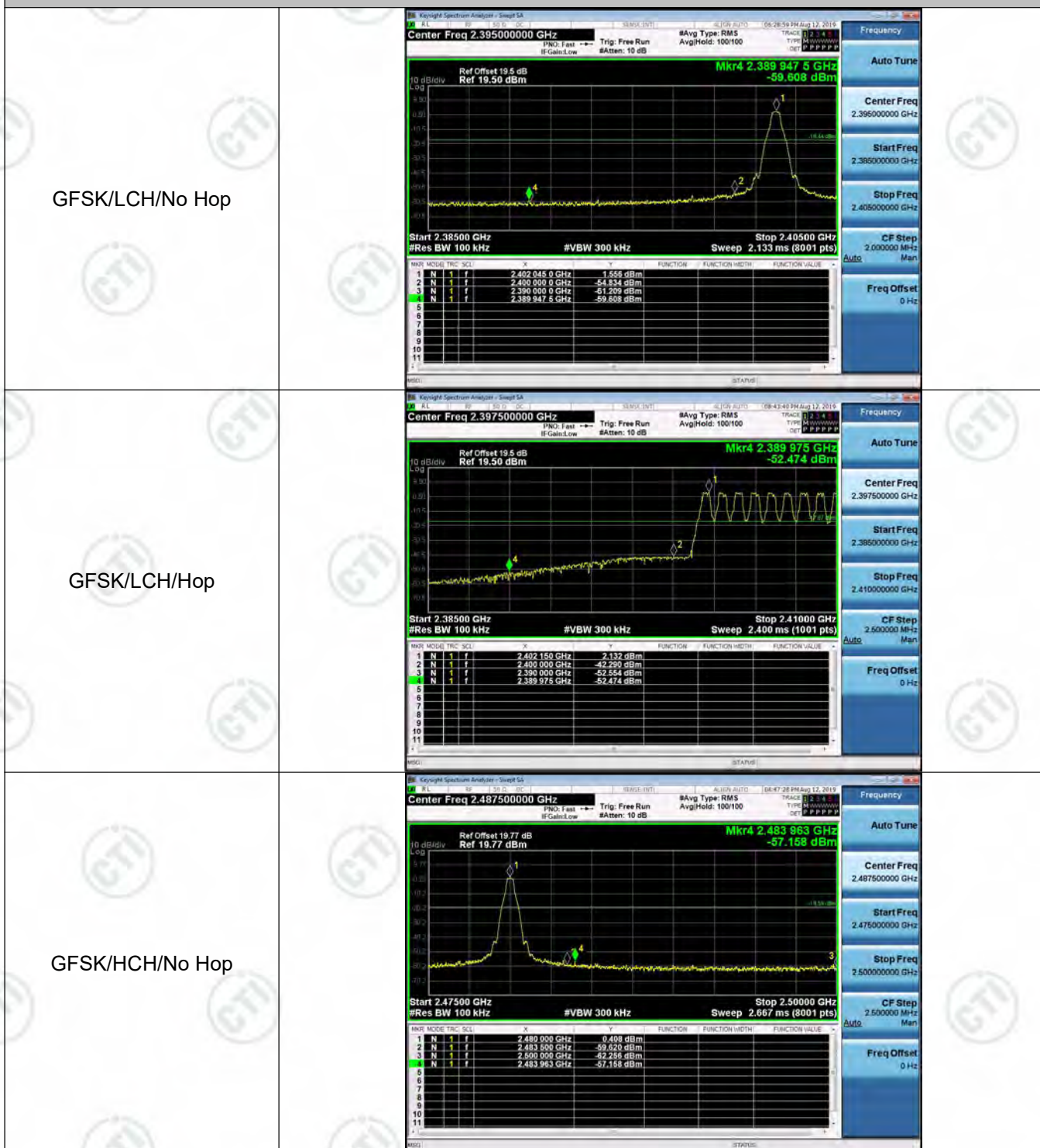
## Appendix F): Band-edge for RF Conducted Emissions

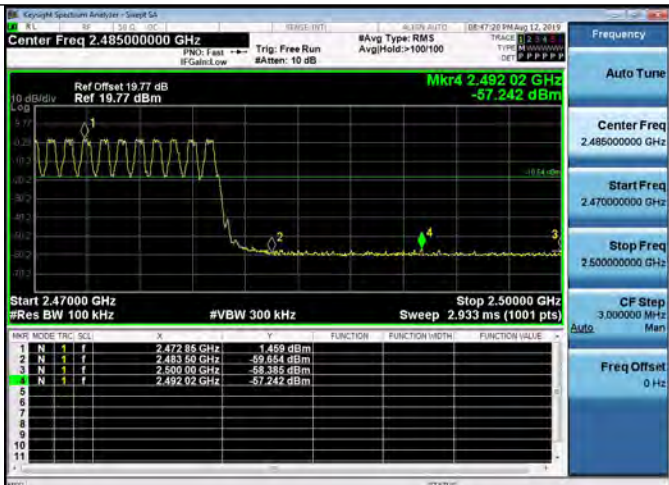
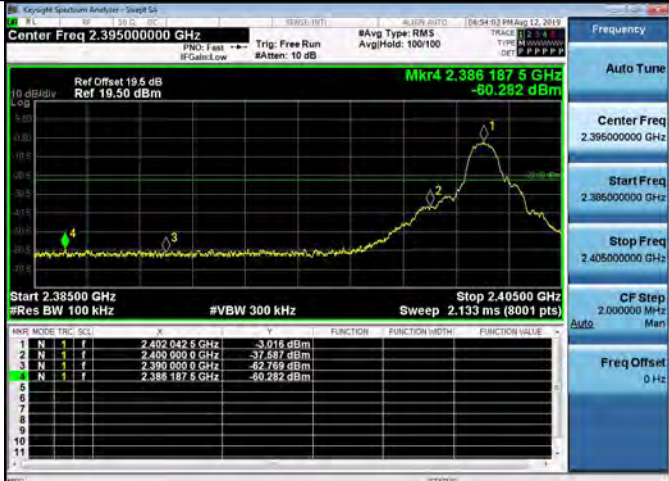
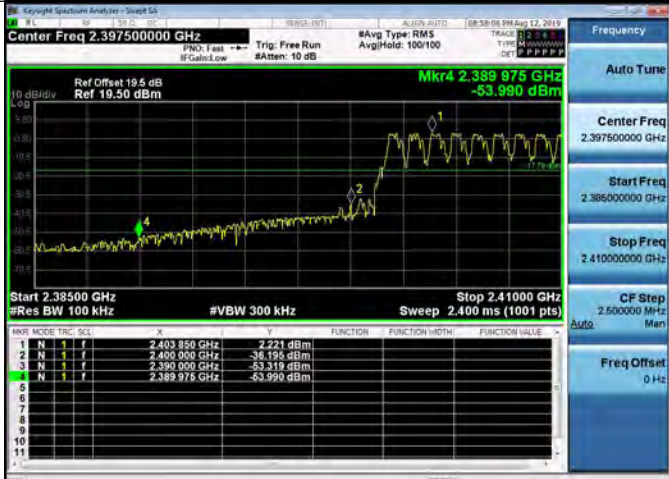
Result Table

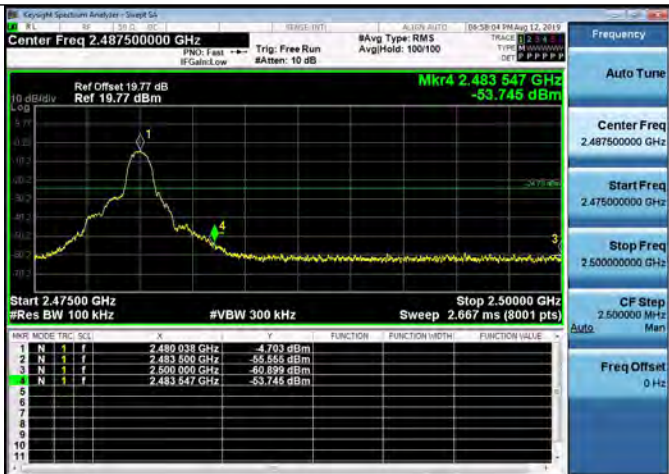
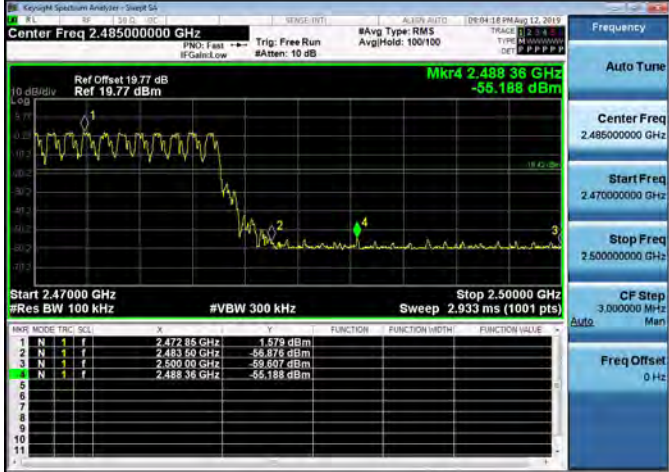
| Mode          | Channel | Carrier Frequency [MHz] | Carrier Power [dBm] | Frequency Hopping | Max Spurious Level [dBm] | Limit [dBm] | Verdict |
|---------------|---------|-------------------------|---------------------|-------------------|--------------------------|-------------|---------|
| GFSK          | LCH     | 2402                    | 1.556               | Off               | -59.608                  | -18.44      | PASS    |
|               |         |                         | 2.132               | On                | -52.474                  | -17.87      | PASS    |
| GFSK          | HCH     | 2480                    | 0.408               | Off               | -57.158                  | -19.59      | PASS    |
|               |         |                         | 1.459               | On                | -57.242                  | -18.54      | PASS    |
| $\pi/4$ DQPSK | LCH     | 2402                    | -3.016              | Off               | -60.282                  | -23.02      | PASS    |
|               |         |                         | 2.221               | On                | -53.990                  | -17.78      | PASS    |
| $\pi/4$ DQPSK | HCH     | 2480                    | -4.703              | Off               | -53.745                  | -24.7       | PASS    |
|               |         |                         | 1.579               | On                | -55.188                  | -18.42      | PASS    |
| 8DPSK         | LCH     | 2402                    | -3.090              | Off               | -60.399                  | -23.09      | PASS    |
|               |         |                         | 2.239               | On                | -53.206                  | -17.76      | PASS    |
| 8DPSK         | HCH     | 2480                    | -4.660              | Off               | -45.242                  | -24.66      | PASS    |
|               |         |                         | 1.480               | On                | -47.757                  | -18.52      | PASS    |

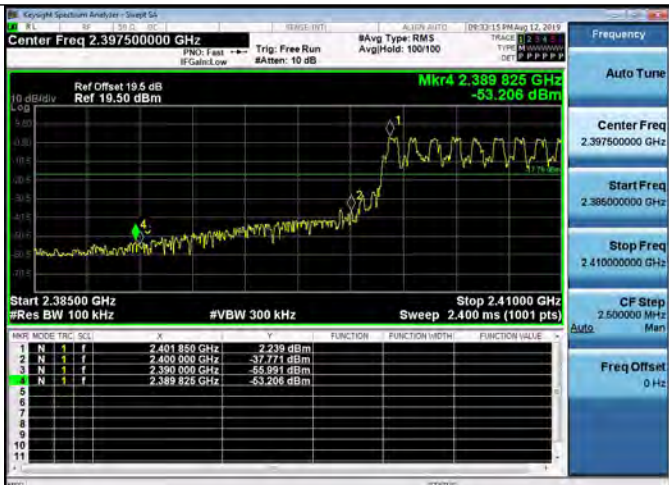
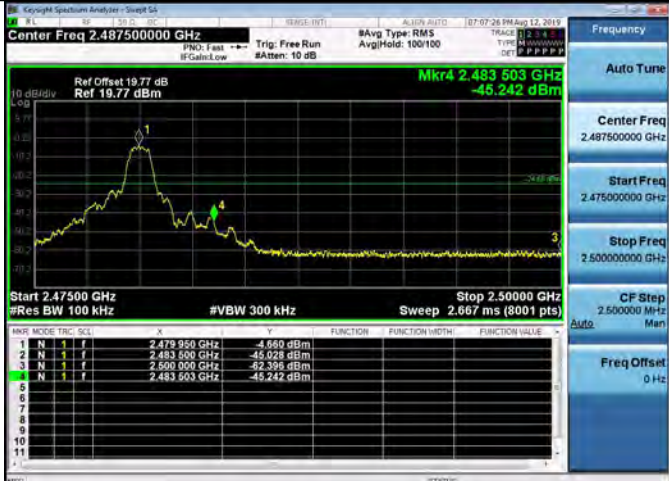
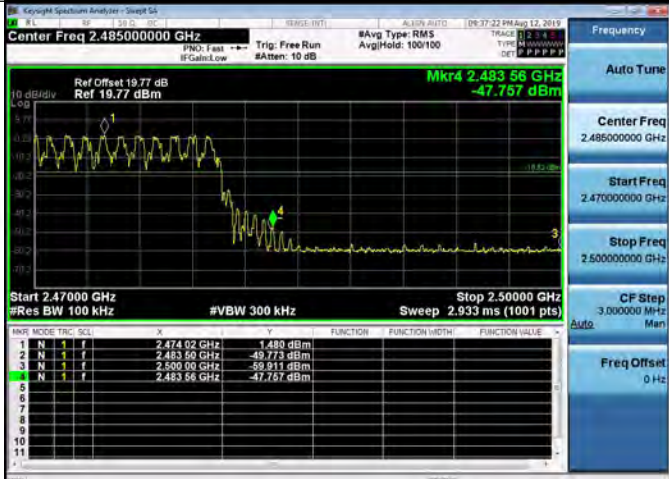
## Test Graph

### Graphs



| GFSK/HCH/Hop             |  <table><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.47285 GHz</td><td>-1.459 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.48350 GHz</td><td>-59.554 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.50000 GHz</td><td>-59.385 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.49202 GHz</td><td>-57.242 dBm</td><td></td><td></td><td></td></tr></table>          | MARK | MODE | TRIG          | SCL         | X        | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 2.47285 GHz   | -1.459 dBm |  |  |  | 2 | N | 1 | f | 2.48350 GHz   | -59.554 dBm |  |  |  | 3 | N | 1 | f | 2.50000 GHz   | -59.385 dBm |  |  |  | 4 | N | 1 | f | 2.49202 GHz   | -57.242 dBm |  |  |  |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|---------------|-------------|----------|----------------|----------------|----------------|----------------|---|---|---|---|---------------|------------|--|--|--|---|---|---|---|---------------|-------------|--|--|--|---|---|---|---|---------------|-------------|--|--|--|---|---|---|---|---------------|-------------|--|--|--|
| MARK                     | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TRIG | SCL  | X             | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 1                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1    | f    | 2.47285 GHz   | -1.459 dBm  |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 2                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1    | f    | 2.48350 GHz   | -59.554 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 3                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1    | f    | 2.50000 GHz   | -59.385 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 4                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1    | f    | 2.49202 GHz   | -57.242 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| $\pi/4$ DQPSK/LCH/No Hop |  <table><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.4020425 GHz</td><td>-3.016 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.4000000 GHz</td><td>-37.537 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.3900000 GHz</td><td>-52.769 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.3881875 GHz</td><td>-50.282 dBm</td><td></td><td></td><td></td></tr></table> | MARK | MODE | TRIG          | SCL         | X        | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 2.4020425 GHz | -3.016 dBm |  |  |  | 2 | N | 1 | f | 2.4000000 GHz | -37.537 dBm |  |  |  | 3 | N | 1 | f | 2.3900000 GHz | -52.769 dBm |  |  |  | 4 | N | 1 | f | 2.3881875 GHz | -50.282 dBm |  |  |  |
| MARK                     | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TRIG | SCL  | X             | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 1                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1    | f    | 2.4020425 GHz | -3.016 dBm  |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 2                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1    | f    | 2.4000000 GHz | -37.537 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 3                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1    | f    | 2.3900000 GHz | -52.769 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 4                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1    | f    | 2.3881875 GHz | -50.282 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| $\pi/4$ DQPSK/LCH/Hop    |  <table><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.400850 GHz</td><td>-2.221 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.4000000 GHz</td><td>-36.150 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.3900000 GHz</td><td>-53.319 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.389975 GHz</td><td>-53.990 dBm</td><td></td><td></td><td></td></tr></table>  | MARK | MODE | TRIG          | SCL         | X        | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 2.400850 GHz  | -2.221 dBm |  |  |  | 2 | N | 1 | f | 2.4000000 GHz | -36.150 dBm |  |  |  | 3 | N | 1 | f | 2.3900000 GHz | -53.319 dBm |  |  |  | 4 | N | 1 | f | 2.389975 GHz  | -53.990 dBm |  |  |  |
| MARK                     | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TRIG | SCL  | X             | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 1                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1    | f    | 2.400850 GHz  | -2.221 dBm  |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 2                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1    | f    | 2.4000000 GHz | -36.150 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 3                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1    | f    | 2.3900000 GHz | -53.319 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 4                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1    | f    | 2.389975 GHz  | -53.990 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |

| $\pi/4$ DQPSK/HCH/No Hop |  <table><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.480 038 GHz</td><td>-4.703 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.483 500 GHz</td><td>-55.555 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.500 000 GHz</td><td>-60.899 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.483 547 GHz</td><td>-53.745 dBm</td><td></td><td></td><td></td></tr></table>   | MARK | MODE | TRIG          | SCL         | X        | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 2.480 038 GHz | -4.703 dBm |  |  |  | 2 | N | 1 | f | 2.483 500 GHz | -55.555 dBm |  |  |  | 3 | N | 1 | f | 2.500 000 GHz | -60.899 dBm |  |  |  | 4 | N | 1 | f | 2.483 547 GHz | -53.745 dBm |  |  |  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|---------------|-------------|----------|----------------|----------------|----------------|----------------|---|---|---|---|---------------|------------|--|--|--|---|---|---|---|---------------|-------------|--|--|--|---|---|---|---|---------------|-------------|--|--|--|---|---|---|---|---------------|-------------|--|--|--|
| MARK                     | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TRIG | SCL  | X             | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 1                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | f    | 2.480 038 GHz | -4.703 dBm  |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 2                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | f    | 2.483 500 GHz | -55.555 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 3                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | f    | 2.500 000 GHz | -60.899 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 4                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | f    | 2.483 547 GHz | -53.745 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| $\pi/4$ DQPSK/HCH/Hop    |  <table><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.472 85 GHz</td><td>-1.579 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.483 30 GHz</td><td>-56.876 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.480 00 GHz</td><td>-59.507 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.488 36 GHz</td><td>-55.188 dBm</td><td></td><td></td><td></td></tr></table>      | MARK | MODE | TRIG          | SCL         | X        | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 2.472 85 GHz  | -1.579 dBm |  |  |  | 2 | N | 1 | f | 2.483 30 GHz  | -56.876 dBm |  |  |  | 3 | N | 1 | f | 2.480 00 GHz  | -59.507 dBm |  |  |  | 4 | N | 1 | f | 2.488 36 GHz  | -55.188 dBm |  |  |  |
| MARK                     | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TRIG | SCL  | X             | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 1                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | f    | 2.472 85 GHz  | -1.579 dBm  |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 2                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | f    | 2.483 30 GHz  | -56.876 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 3                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | f    | 2.480 00 GHz  | -59.507 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 4                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | f    | 2.488 36 GHz  | -55.188 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 8DPSK/LCH/No Hop         |  <table><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.402 087 GHz</td><td>-3.090 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.400 000 GHz</td><td>-37.210 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.390 000 GHz</td><td>-63.297 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.388 565 GHz</td><td>-60.399 dBm</td><td></td><td></td><td></td></tr></table> | MARK | MODE | TRIG          | SCL         | X        | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 2.402 087 GHz | -3.090 dBm |  |  |  | 2 | N | 1 | f | 2.400 000 GHz | -37.210 dBm |  |  |  | 3 | N | 1 | f | 2.390 000 GHz | -63.297 dBm |  |  |  | 4 | N | 1 | f | 2.388 565 GHz | -60.399 dBm |  |  |  |
| MARK                     | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TRIG | SCL  | X             | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 1                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | f    | 2.402 087 GHz | -3.090 dBm  |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 2                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | f    | 2.400 000 GHz | -37.210 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 3                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | f    | 2.390 000 GHz | -63.297 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |
| 4                        | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | f    | 2.388 565 GHz | -60.399 dBm |          |                |                |                |                |   |   |   |   |               |            |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |   |   |   |   |               |             |  |  |  |

| 8DPSK/LCH/Hop    |  <table><thead><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.401850 GHz</td><td>-2.239 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.400900 GHz</td><td>-37.771 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.390300 GHz</td><td>-55.991 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.389825 GHz</td><td>-53.206 dBm</td><td></td><td></td><td></td></tr></tbody></table>  | MARK | MODE | TRIG         | SCL         | X        | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 2.401850 GHz | -2.239 dBm |  |  |  | 2 | N | 1 | f | 2.400900 GHz | -37.771 dBm |  |  |  | 3 | N | 1 | f | 2.390300 GHz | -55.991 dBm |  |  |  | 4 | N | 1 | f | 2.389825 GHz | -53.206 dBm |  |  |  |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|--------------|-------------|----------|----------------|----------------|----------------|----------------|---|---|---|---|--------------|------------|--|--|--|---|---|---|---|--------------|-------------|--|--|--|---|---|---|---|--------------|-------------|--|--|--|---|---|---|---|--------------|-------------|--|--|--|
| MARK             | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TRIG | SCL  | X            | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 1                | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1    | f    | 2.401850 GHz | -2.239 dBm  |          |                |                |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 2                | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1    | f    | 2.400900 GHz | -37.771 dBm |          |                |                |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 3                | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1    | f    | 2.390300 GHz | -55.991 dBm |          |                |                |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 4                | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1    | f    | 2.389825 GHz | -53.206 dBm |          |                |                |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 8DPSK/HCH/No Hop |  <table><thead><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.479950 GHz</td><td>-4.680 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.483500 GHz</td><td>-50.028 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.500900 GHz</td><td>-52.396 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.483503 GHz</td><td>-45.242 dBm</td><td></td><td></td><td></td></tr></tbody></table> | MARK | MODE | TRIG         | SCL         | X        | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 2.479950 GHz | -4.680 dBm |  |  |  | 2 | N | 1 | f | 2.483500 GHz | -50.028 dBm |  |  |  | 3 | N | 1 | f | 2.500900 GHz | -52.396 dBm |  |  |  | 4 | N | 1 | f | 2.483503 GHz | -45.242 dBm |  |  |  |
| MARK             | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TRIG | SCL  | X            | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 1                | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1    | f    | 2.479950 GHz | -4.680 dBm  |          |                |                |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 2                | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1    | f    | 2.483500 GHz | -50.028 dBm |          |                |                |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 3                | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1    | f    | 2.500900 GHz | -52.396 dBm |          |                |                |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 4                | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1    | f    | 2.483503 GHz | -45.242 dBm |          |                |                |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 8DPSK/HCH/Hop    |  <table><thead><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.47402 GHz</td><td>-1.480 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.48356 GHz</td><td>-49.773 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.50090 GHz</td><td>-59.911 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.48356 GHz</td><td>-47.767 dBm</td><td></td><td></td><td></td></tr></tbody></table>    | MARK | MODE | TRIG         | SCL         | X        | Y              | FUNCTION       | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 2.47402 GHz  | -1.480 dBm |  |  |  | 2 | N | 1 | f | 2.48356 GHz  | -49.773 dBm |  |  |  | 3 | N | 1 | f | 2.50090 GHz  | -59.911 dBm |  |  |  | 4 | N | 1 | f | 2.48356 GHz  | -47.767 dBm |  |  |  |
| MARK             | MODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TRIG | SCL  | X            | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 1                | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1    | f    | 2.47402 GHz  | -1.480 dBm  |          |                |                |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 2                | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1    | f    | 2.48356 GHz  | -49.773 dBm |          |                |                |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 3                | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1    | f    | 2.50090 GHz  | -59.911 dBm |          |                |                |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |
| 4                | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1    | f    | 2.48356 GHz  | -47.767 dBm |          |                |                |                |                |   |   |   |   |              |            |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |   |   |   |   |              |             |  |  |  |

## Appendix G): RF Conducted Spurious Emissions

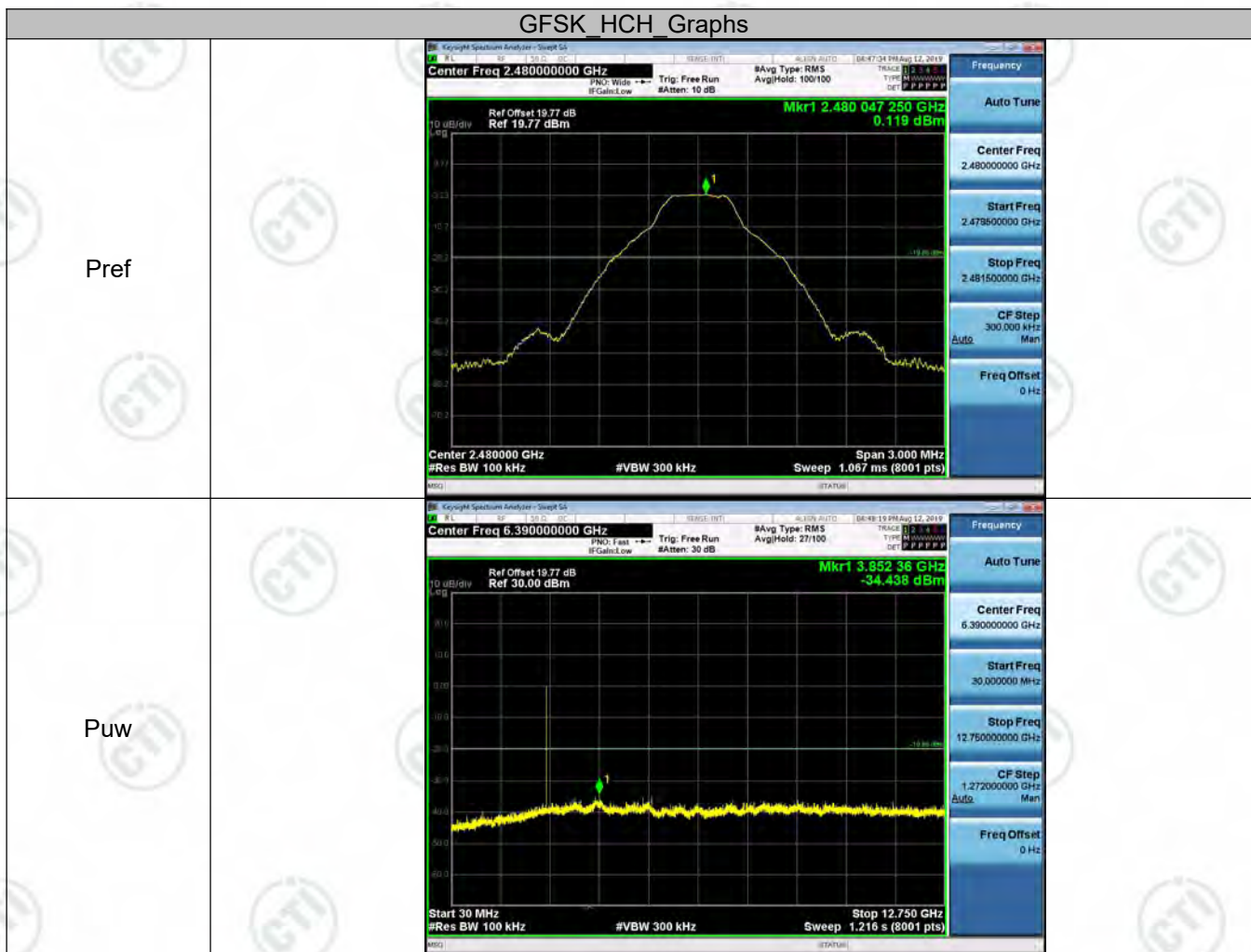
### Result Table

| Mode          | Channel | Pref [dBm] | Puw[dBm] | Verdict |
|---------------|---------|------------|----------|---------|
| GFSK          | LCH     | 1.272      | <Limit   | PASS    |
| GFSK          | MCH     | 0.893      | <Limit   | PASS    |
| GFSK          | HCH     | 0.119      | <Limit   | PASS    |
| $\pi/4$ DQPSK | LCH     | -3.207     | <Limit   | PASS    |
| $\pi/4$ DQPSK | MCH     | -3.858     | <Limit   | PASS    |
| $\pi/4$ DQPSK | HCH     | -4.914     | <Limit   | PASS    |
| 8DPSK         | LCH     | -3.279     | <Limit   | PASS    |
| 8DPSK         | MCH     | -3.93      | <Limit   | PASS    |
| 8DPSK         | HCH     | -5.021     | <Limit   | PASS    |

## Test Graph











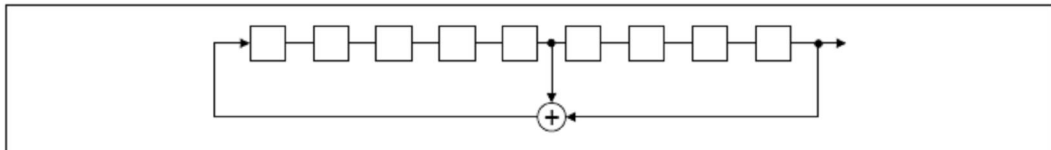








## Appendix H): Pseudorandom Frequency Hopping Sequence

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----|----|----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Test Requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>47 CFR Part 15C Section 15.247 (a)(1) requirement:</b> |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <p>Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.</p> <p>Alternatively. Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.</p> <p>The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                           |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>EUT Pseudorandom Frequency Hopping Sequence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <p>The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONES; i.e. the shift register is initialized with nine ones.</p> <ul style="list-style-type: none"><li>• Number of shift register stages: 9</li><li>• Length of pseudo-random sequence: <math>2^9 - 1 = 511</math> bits</li><li>• Longest sequence of zeros: 8 (non-inverted signal)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                           |    |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <div></div> <p style="text-align: center;"><i>Linear Feedback Shift Register for Generation of the PRBS sequence</i></p> <p>An example of Pseudorandom Frequency Hopping Sequence as follow:</p> <table><tr><td>20</td><td>62</td><td>46</td><td>77</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> |                                                           | 20 | 62 | 46 | 77 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 62                                                        | 46 | 77 |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## Appendix I): Antenna Requirement

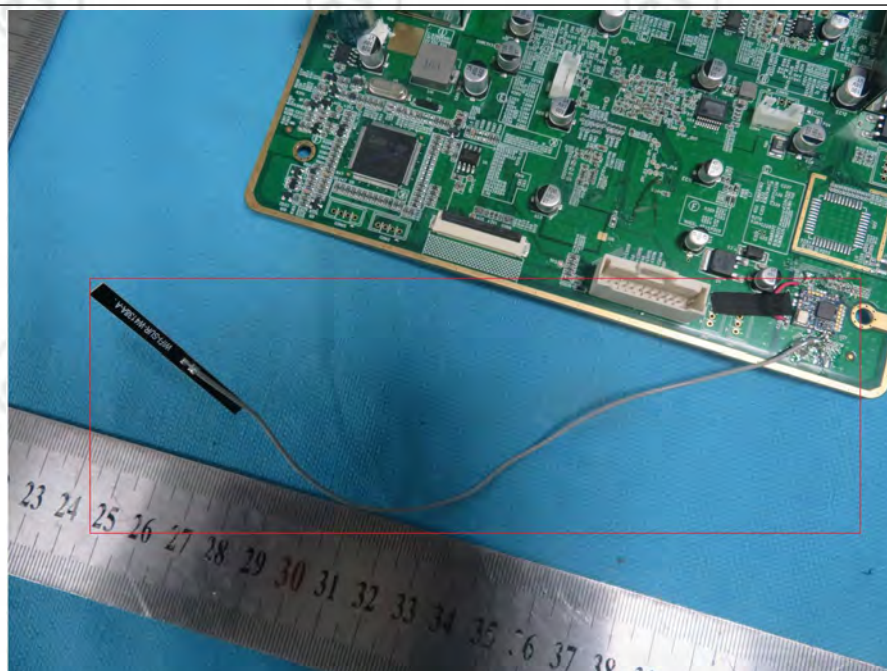
### 15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

### 15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### EUT Antenna:



The antenna is PIFA Antenna and no consideration of replacement. The best case gain of the antenna is 3.45dBi.

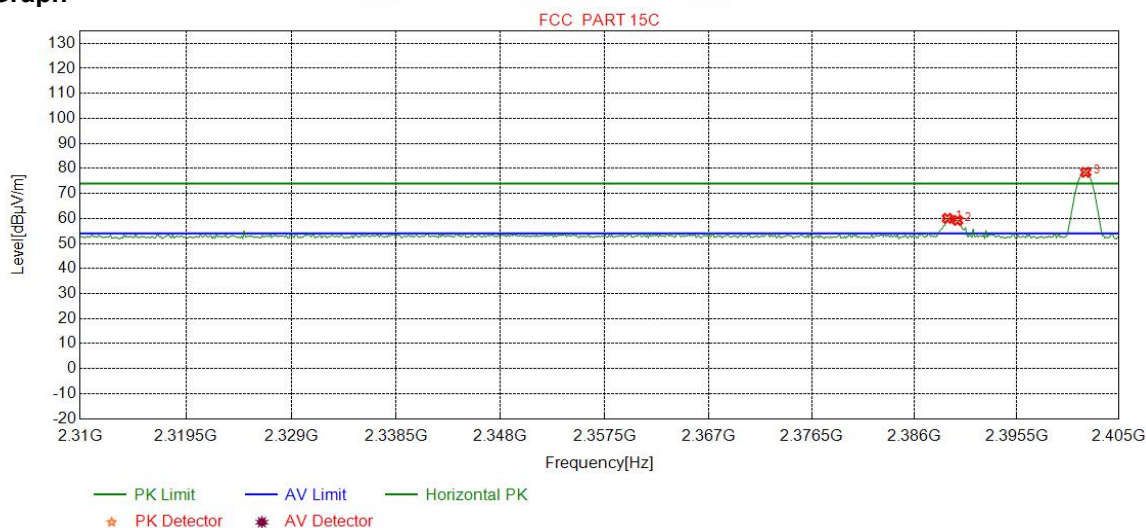
## Appendix J): Restricted bands around fundamental frequency (Radiated)

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                  |        |            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|--------|------------|
| Receiver Setup: | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Detector           | RBW              | VBW    | Remark     |
|                 | 30MHz-1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quasi-peak         | 120kHz           | 300kHz | Quasi-peak |
|                 | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Peak               | 1MHz             | 3MHz   | Peak       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Peak               | 1MHz             | 10Hz   | Average    |
| Test Procedure: | <p><b>Below 1GHz test procedure as below:</b></p> <ol style="list-style-type: none"> <li>The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>The antenna height 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.</li> <li>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.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</li> </ol> <p><b>Above 1GHz test procedure as below:</b></p> <ol style="list-style-type: none"> <li>Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter( Above 18GHz the distance is 1 meter and table is 1.5 meter).</li> <li>b. Test the EUT in the lowest channel , the Highest channel</li> <li>The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.</li> <li>Repeat above procedures until all frequencies measured was complete.</li> </ol> |                    |                  |        |            |
| Limit:          | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Limit (dBμV/m @3m) | Remark           |        |            |
|                 | 30MHz-88MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 40.0               | Quasi-peak Value |        |            |
|                 | 88MHz-216MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 43.5               | Quasi-peak Value |        |            |
|                 | 216MHz-960MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 46.0               | Quasi-peak Value |        |            |
|                 | 960MHz-1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 54.0               | Quasi-peak Value |        |            |
|                 | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 54.0               | Average Value    |        |            |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 74.0               | Peak Value       |        |            |

**Test plot as follows:**

|         |     |          |      |
|---------|-----|----------|------|
| Mode:   | DH5 | Channel: | 2402 |
| Remark: | PK  |          |      |

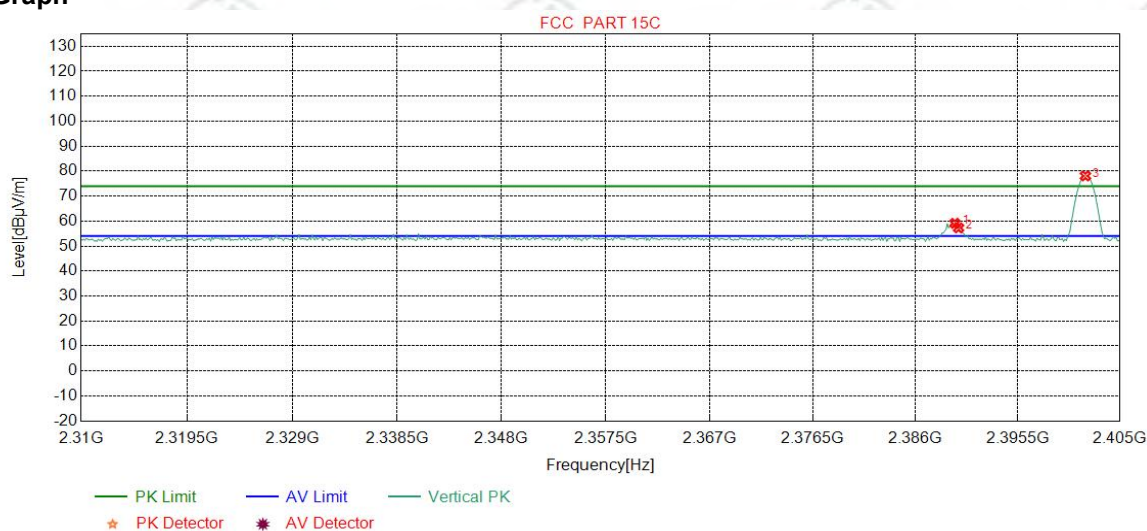
**Test Graph**



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2389.0676   | 32.24           | 13.38           | -42.43          | 56.86          | 60.05          | 74.00          | 13.95       | Pass   | Horizontal |
| 2  | 2390.0000   | 32.25           | 13.37           | -42.44          | 56.05          | 59.23          | 74.00          | 14.77       | Pass   | Horizontal |
| 3  | 2401.9086   | 32.26           | 13.31           | -42.43          | 75.31          | 78.45          | 74.00          | -4.45       | Pass   | Horizontal |

|         |     |          |      |
|---------|-----|----------|------|
| Mode:   | DH5 | Channel: | 2402 |
| Remark: | PK  |          |      |

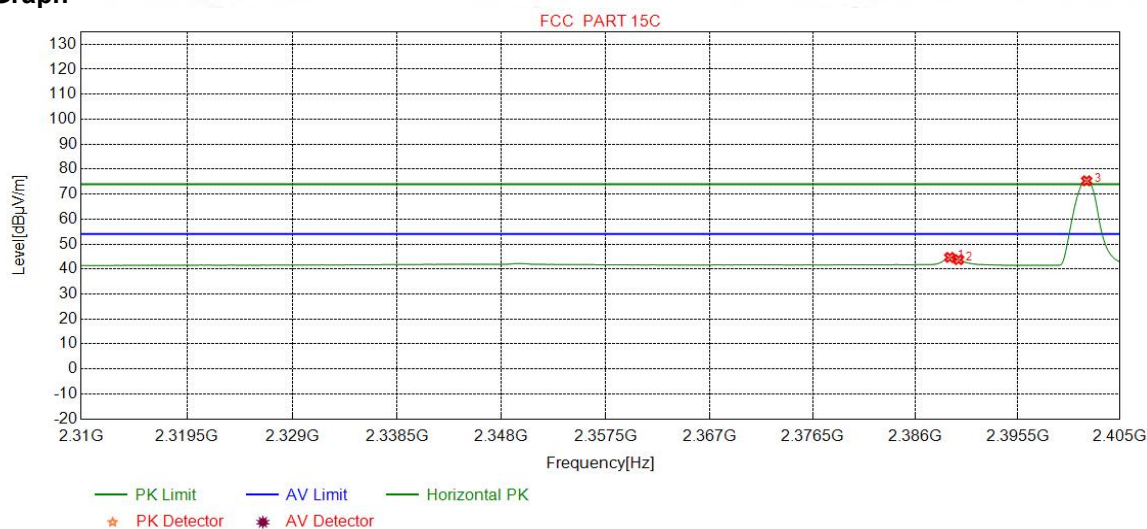
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2389.6621   | 32.25           | 13.38           | -42.45          | 55.93          | 59.11          | 74.00          | 14.89       | Pass   | Vertical |
| 2  | 2390.0000   | 32.25           | 13.37           | -42.44          | 54.09          | 57.27          | 74.00          | 16.73       | Pass   | Vertical |
| 3  | 2401.7897   | 32.26           | 13.31           | -42.43          | 74.96          | 78.10          | 74.00          | -4.10       | Pass   | Vertical |

|         |     |          |      |
|---------|-----|----------|------|
| Mode:   | DH5 | Channel: | 2402 |
| Remark: | AV  |          |      |

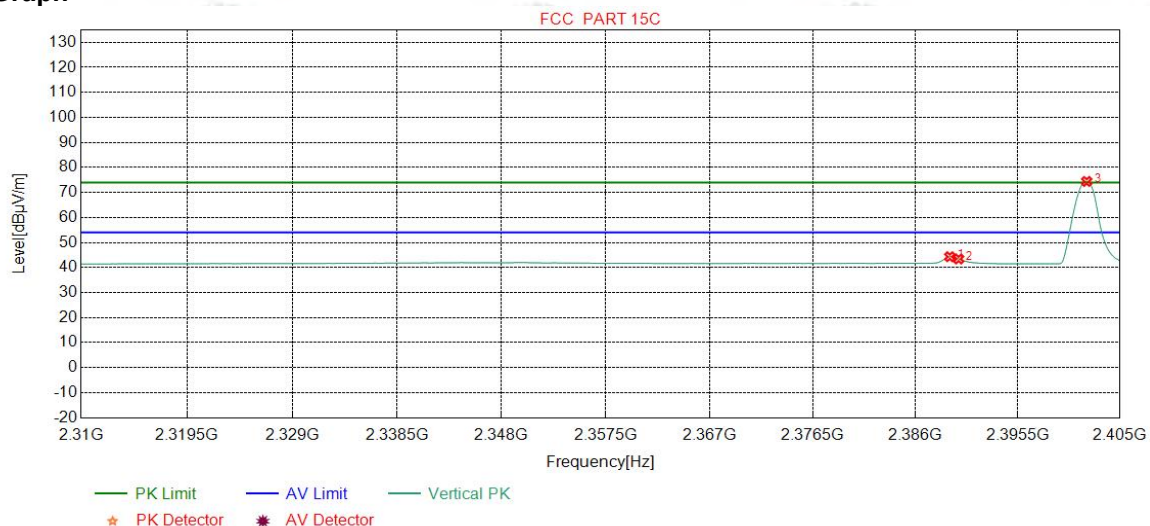
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2389.1865   | 32.24           | 13.38           | -42.43          | 41.46          | 44.65          | 54.00          | 9.35        | Pass   | Horizontal |
| 2  | 2390.0000   | 32.25           | 13.37           | -42.44          | 40.58          | 43.76          | 54.00          | 10.24       | Pass   | Horizontal |
| 3  | 2401.9086   | 32.26           | 13.31           | -42.43          | 72.18          | 75.32          | 54.00          | -21.32      | Pass   | Horizontal |

|         |     |          |      |
|---------|-----|----------|------|
| Mode:   | DH5 | Channel: | 2412 |
| Remark: | AV  |          |      |

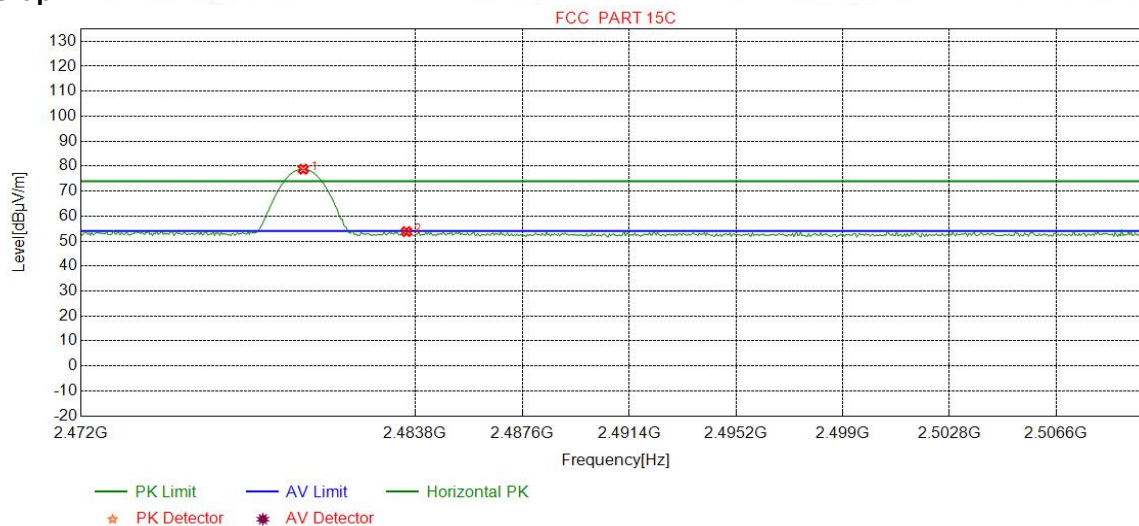
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2389.1865   | 32.24           | 13.38           | -42.43          | 41.12          | 44.31          | 54.00          | 9.69        | Pass   | Vertical |
| 2  | 2390.0000   | 32.25           | 13.37           | -42.44          | 40.25          | 43.43          | 54.00          | 10.57       | Pass   | Vertical |
| 3  | 2401.9086   | 32.26           | 13.31           | -42.43          | 71.28          | 74.42          | 54.00          | -20.42      | Pass   | Vertical |

|         |     |          |      |
|---------|-----|----------|------|
| Mode:   | DH5 | Channel: | 2480 |
| Remark: | PK  |          |      |

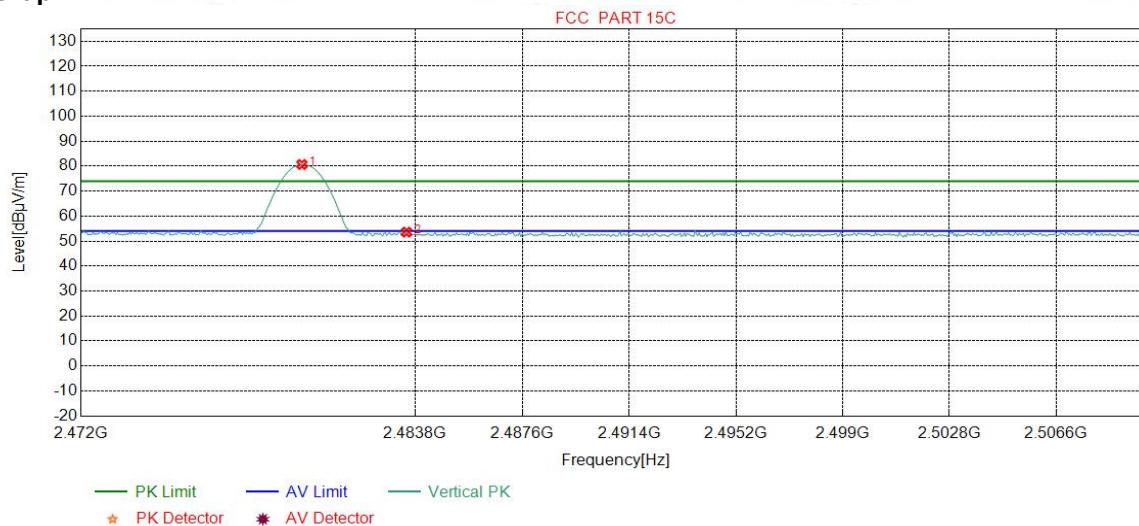
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2479.8473   | 32.37           | 13.39           | -42.39          | 75.42          | 78.79          | 74.00          | -4.79       | Pass   | Horizontal |
| 2  | 2483.5000   | 32.38           | 13.38           | -42.40          | 50.43          | 53.79          | 74.00          | 20.21       | Pass   | Horizontal |

|         |     |          |      |
|---------|-----|----------|------|
| Mode:   | DH5 | Channel: | 2480 |
| Remark: | PK  |          |      |

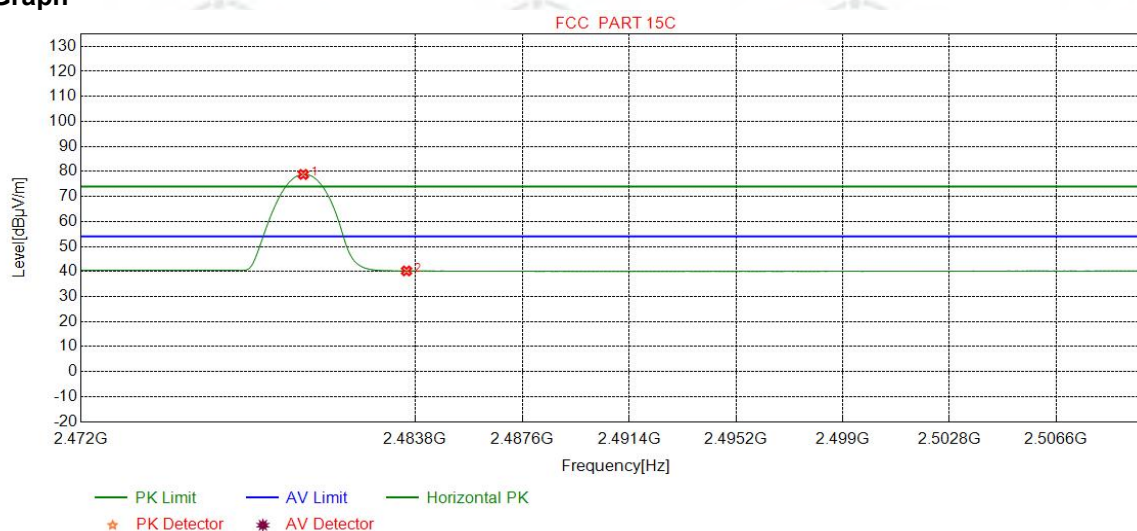
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2479.7998   | 32.37           | 13.39           | -42.39          | 77.31          | 80.68          | 74.00          | -6.68       | Pass   | Vertical |
| 2  | 2483.5000   | 32.38           | 13.38           | -42.40          | 50.22          | 53.58          | 74.00          | 20.42       | Pass   | Vertical |

|         |     |          |      |
|---------|-----|----------|------|
| Mode:   | DH5 | Channel: | 2480 |
| Remark: | AV  |          |      |

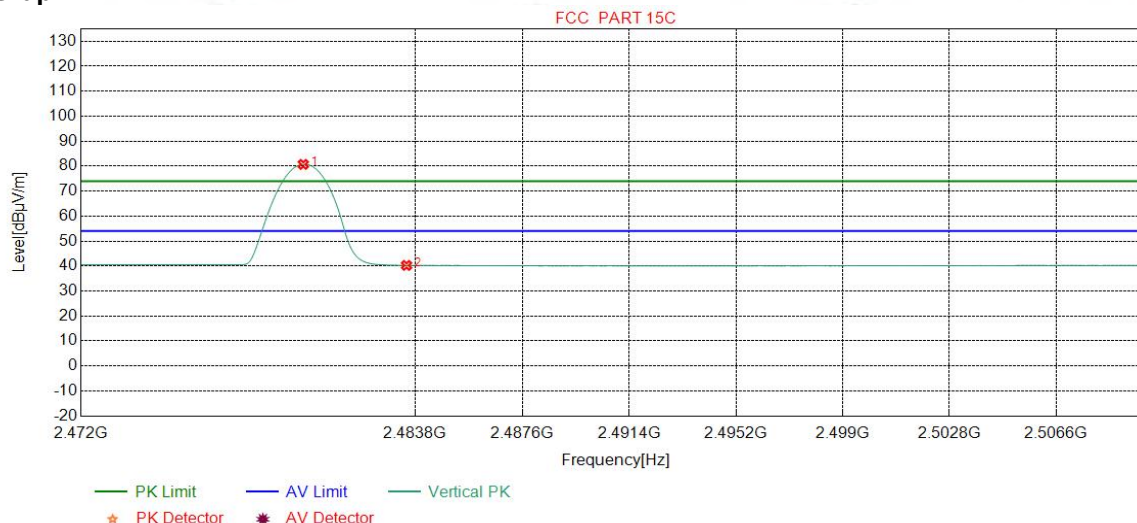
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2479.8473   | 32.37           | 13.39           | -42.39          | 75.44          | 78.81          | 54.00          | -24.81      | Pass   | Horizontal |
| 2  | 2483.5000   | 32.38           | 13.38           | -42.40          | 36.88          | 40.24          | 54.00          | 13.76       | Pass   | Horizontal |

|         |     |          |      |
|---------|-----|----------|------|
| Mode:   | DH5 | Channel: | 2480 |
| Remark: | AV  |          |      |

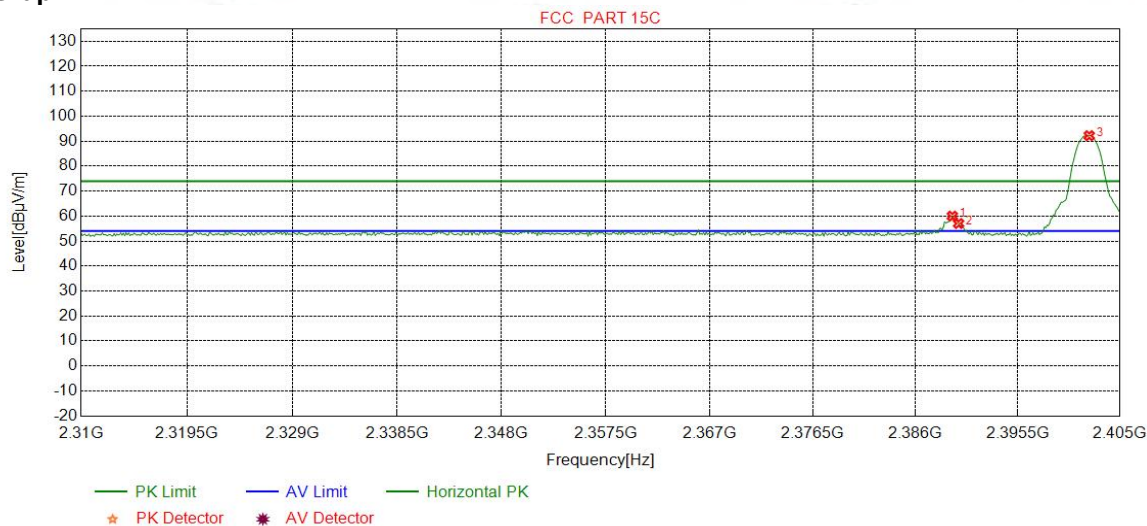
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2479.8473   | 32.37           | 13.39           | -42.39          | 77.33          | 80.70          | 54.00          | -26.70      | Pass   | Vertical |
| 2  | 2483.5000   | 32.38           | 13.38           | -42.40          | 36.89          | 40.25          | 54.00          | 13.75       | Pass   | Vertical |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 2DH5 | Channel: | 2402 |
| Remark: | PK   |          |      |

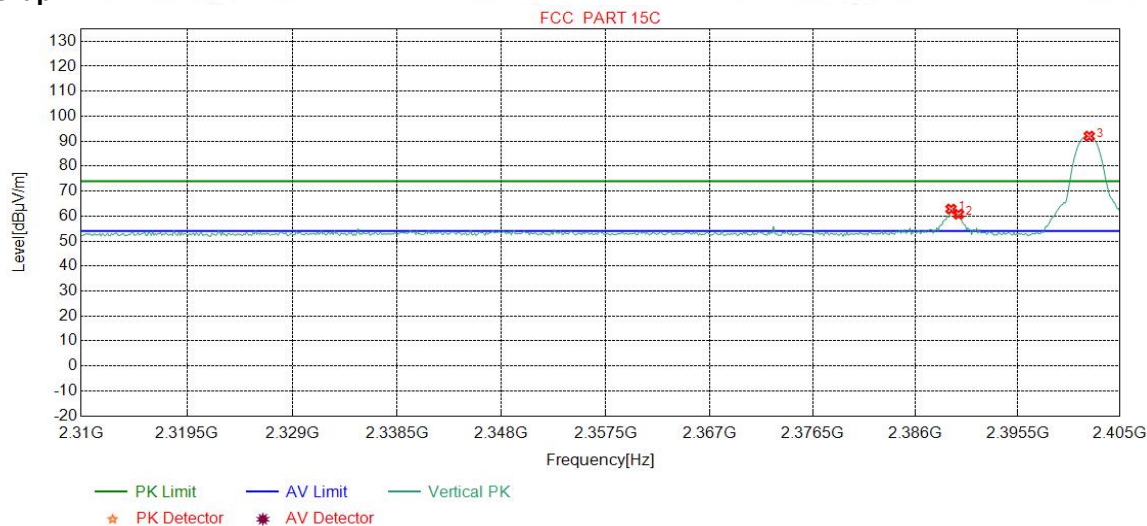
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2389.4243   | 32.25           | 13.38           | -42.45          | 56.82          | 60.00          | 74.00          | 14.00       | Pass   | Horizontal |
| 2  | 2390.0000   | 32.25           | 13.37           | -42.44          | 53.85          | 57.03          | 74.00          | 16.97       | Pass   | Horizontal |
| 3  | 2402.1464   | 32.26           | 13.31           | -42.43          | 89.06          | 92.20          | 74.00          | -18.20      | Pass   | Horizontal |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 2DH5 | Channel: | 2402 |
| Remark: | PK   |          |      |

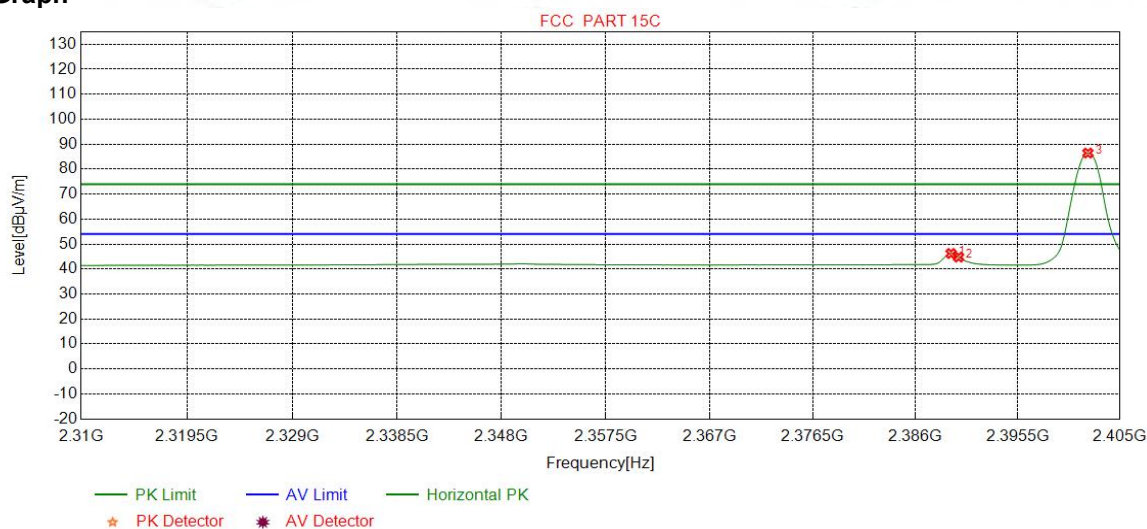
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2389.3054   | 32.25           | 13.38           | -42.44          | 59.63          | 62.82          | 74.00          | 11.18       | Pass   | Vertical |
| 2  | 2390.0000   | 32.25           | 13.37           | -42.44          | 57.57          | 60.75          | 74.00          | 13.25       | Pass   | Vertical |
| 3  | 2402.1464   | 32.26           | 13.31           | -42.43          | 88.88          | 92.02          | 74.00          | -18.02      | Pass   | Vertical |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 2DH5 | Channel: | 2402 |
| Remark: | AV   |          |      |

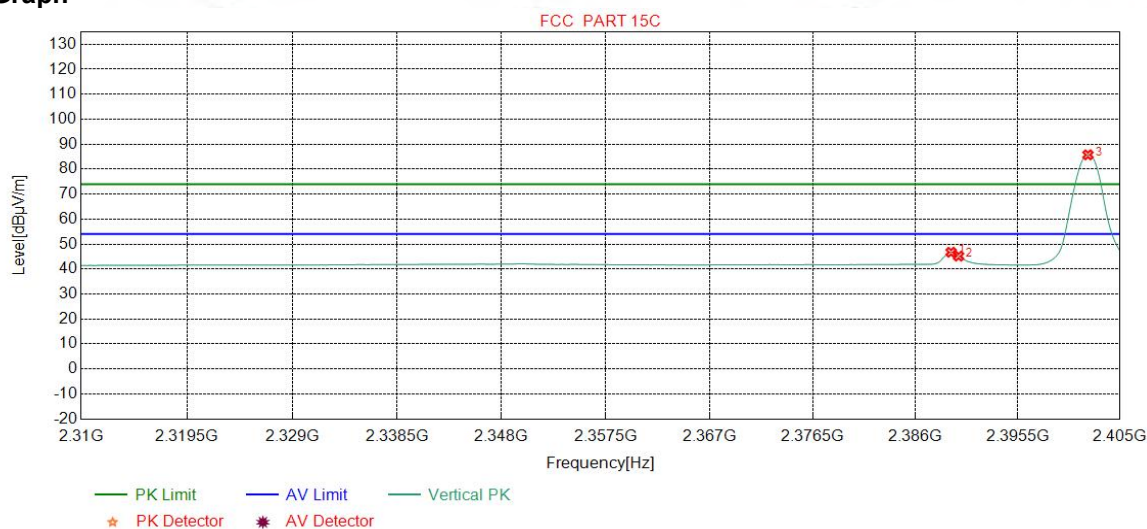
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2389.3054   | 32.25           | 13.38           | -42.44          | 43.02          | 46.21          | 54.00          | 7.79        | Pass   | Horizontal |
| 2  | 2390.0000   | 32.25           | 13.37           | -42.44          | 41.61          | 44.79          | 54.00          | 9.21        | Pass   | Horizontal |
| 3  | 2402.0275   | 32.26           | 13.31           | -42.43          | 83.30          | 86.44          | 54.00          | -32.44      | Pass   | Horizontal |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 2DH5 | Channel: | 2402 |
| Remark: | AV   |          |      |

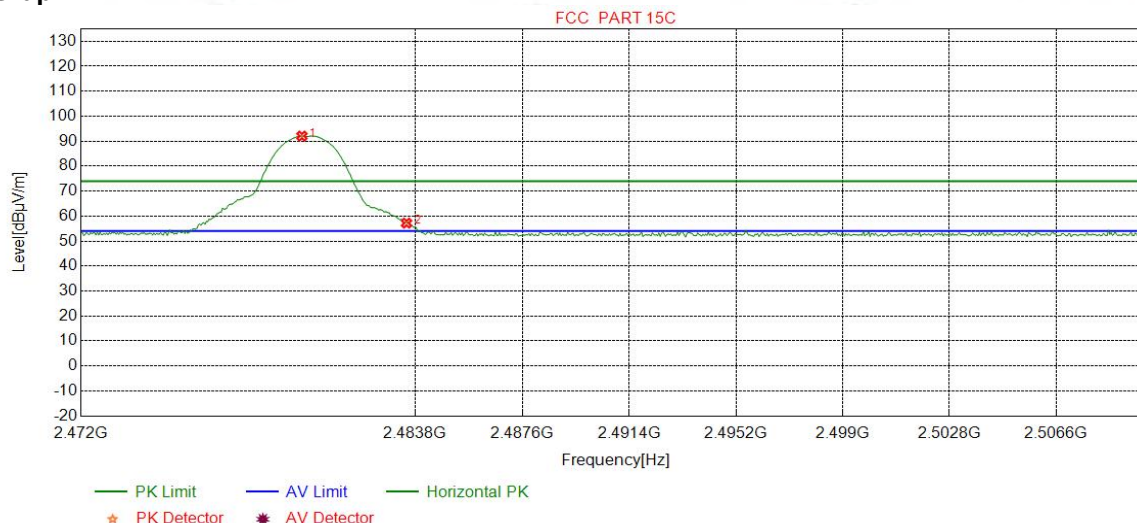
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2389.3054   | 32.25           | 13.38           | -42.44          | 43.53          | 46.72          | 54.00          | 7.28        | Pass   | Vertical |
| 2  | 2390.0000   | 32.25           | 13.37           | -42.44          | 42.00          | 45.18          | 54.00          | 8.82        | Pass   | Vertical |
| 3  | 2402.0275   | 32.26           | 13.31           | -42.43          | 82.59          | 85.73          | 54.00          | -31.73      | Pass   | Vertical |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 2DH5 | Channel: | 2480 |
| Remark: | PK   |          |      |

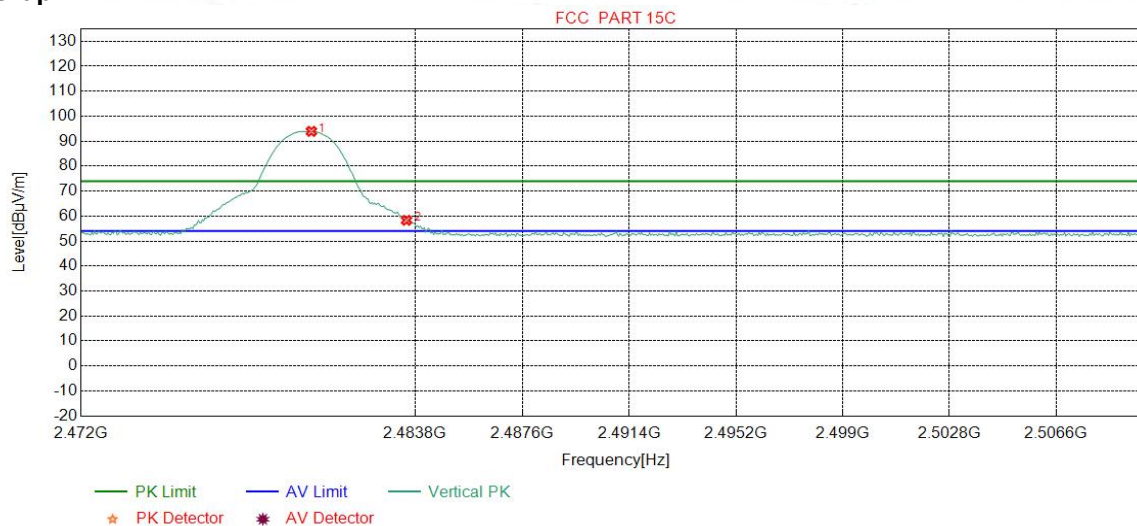
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2479.7998   | 32.37           | 13.39           | -42.39          | 88.67          | 92.04          | 74.00          | -18.04      | Pass   | Horizontal |
| 2  | 2483.5000   | 32.38           | 13.38           | -42.40          | 53.83          | 57.19          | 74.00          | 16.81       | Pass   | Horizontal |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 2DH5 | Channel: | 2480 |
| Remark: | PK   |          |      |

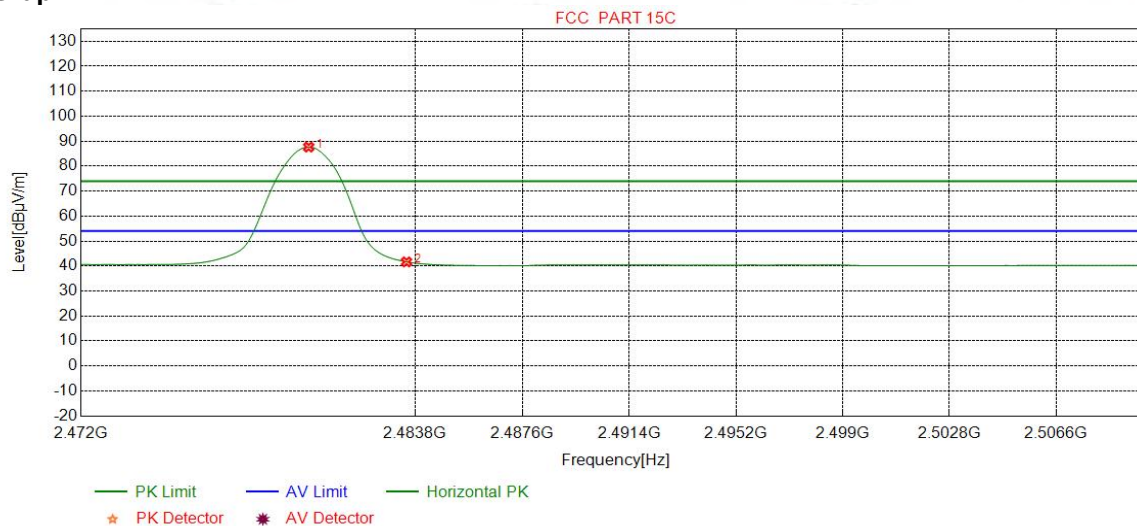
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2480.1327   | 32.37           | 13.39           | -42.40          | 90.57          | 93.93          | 74.00          | -19.93      | Pass   | Vertical |
| 2  | 2483.5000   | 32.38           | 13.38           | -42.40          | 54.96          | 58.32          | 74.00          | 15.68       | Pass   | Vertical |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 2DH5 | Channel: | 2402 |
| Remark: | AV   |          |      |

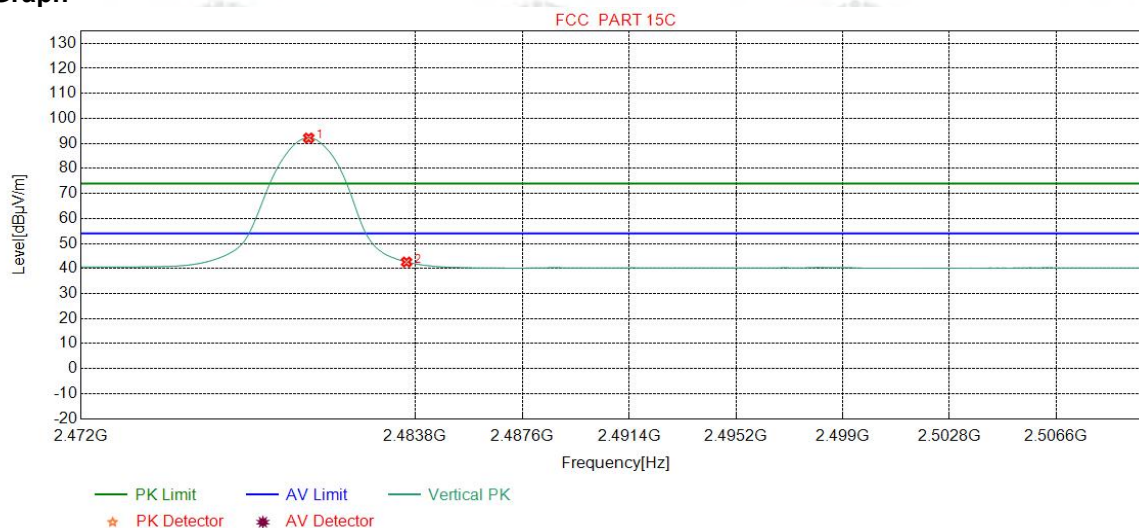
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2480.0375   | 32.37           | 13.39           | -42.39          | 84.26          | 87.63          | 54.00          | -33.63      | Pass   | Horizontal |
| 2  | 2483.5000   | 32.38           | 13.38           | -42.40          | 38.30          | 41.66          | 54.00          | 12.34       | Pass   | Horizontal |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 2DH5 | Channel: | 2402 |
| Remark: | AV   |          |      |

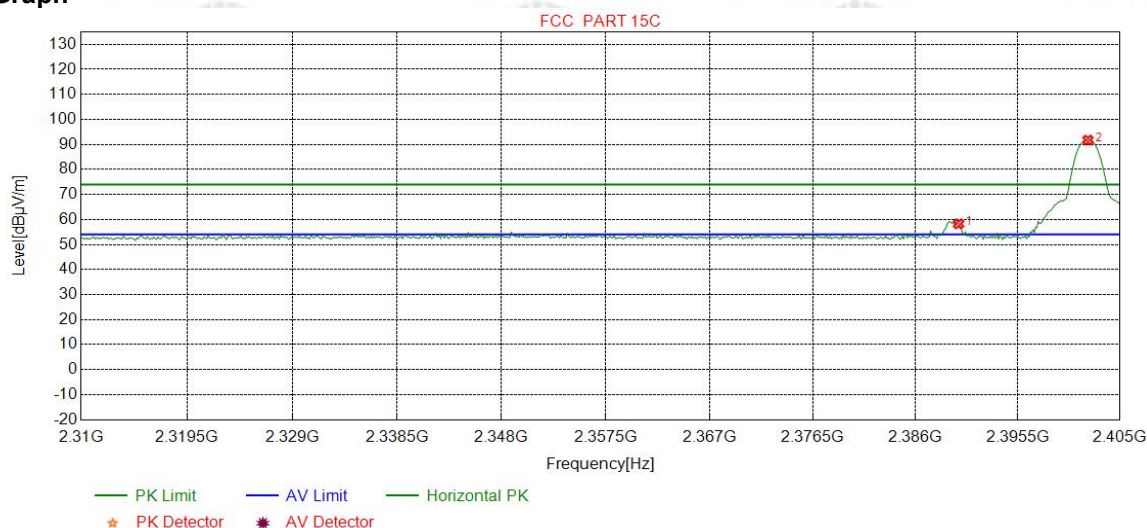
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2480.0375   | 32.37           | 13.39           | -42.39          | 88.79          | 92.16          | 54.00          | -38.16      | Pass   | Vertical |
| 2  | 2483.5000   | 32.38           | 13.38           | -42.40          | 39.24          | 42.60          | 54.00          | 11.40       | Pass   | Vertical |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 3DH5 | Channel: | 2402 |
| Remark: | PK   |          |      |

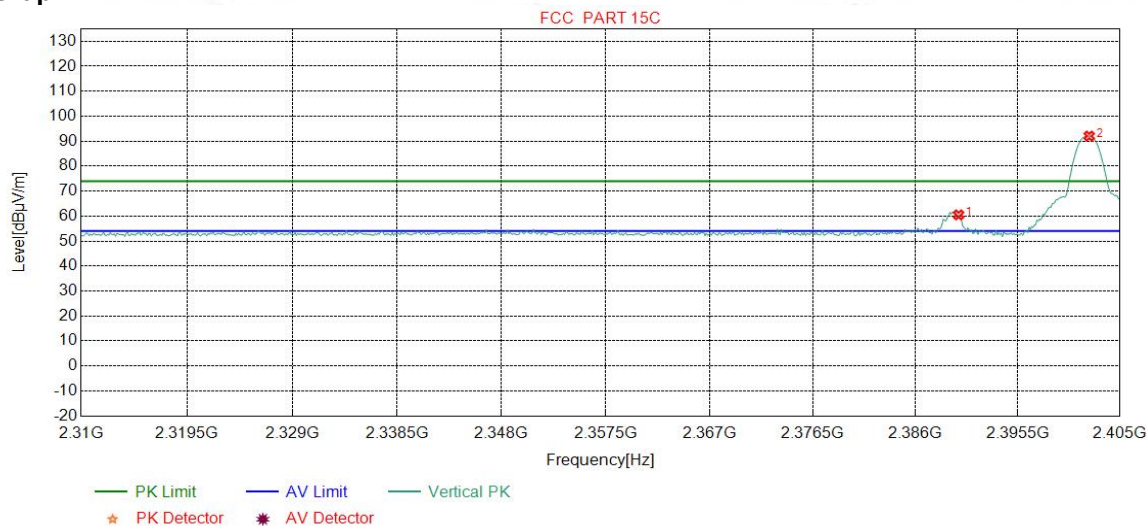
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2390.0000   | 32.25           | 13.37           | -42.44          | 55.06          | 58.24          | 74.00          | 15.76       | Pass   | Horizontal |
| 2  | 2402.0275   | 32.26           | 13.31           | -42.43          | 88.58          | 91.72          | 74.00          | -17.72      | Pass   | Horizontal |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 3DH5 | Channel: | 2402 |
| Remark: | PK   |          |      |

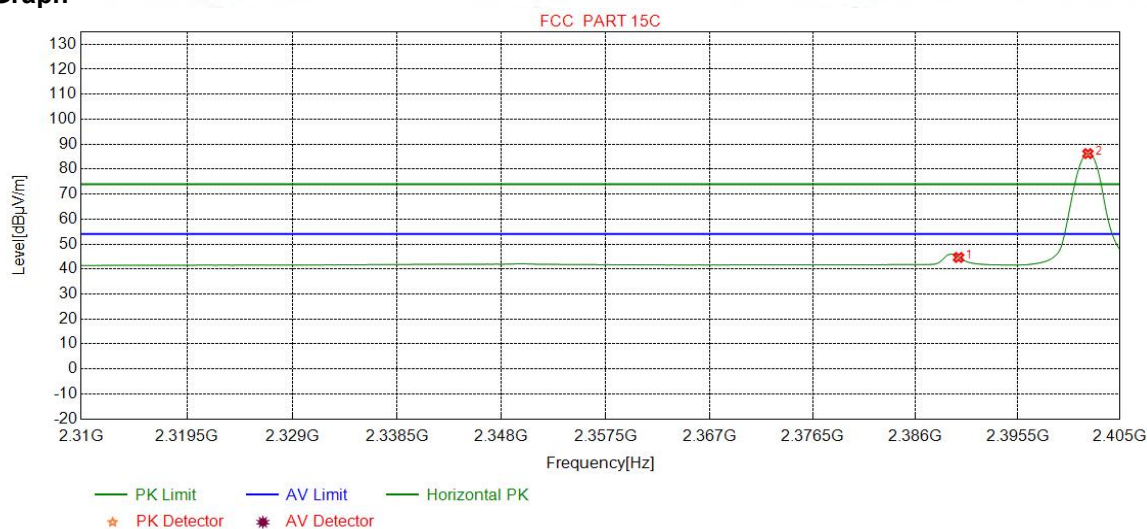
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2390.0000   | 32.25           | 13.37           | -42.44          | 57.29          | 60.47          | 74.00          | 13.53       | Pass   | Vertical |
| 2  | 2402.1464   | 32.26           | 13.31           | -42.43          | 88.90          | 92.04          | 74.00          | -18.04      | Pass   | Vertical |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 3DH5 | Channel: | 2402 |
| Remark: | AV   |          |      |

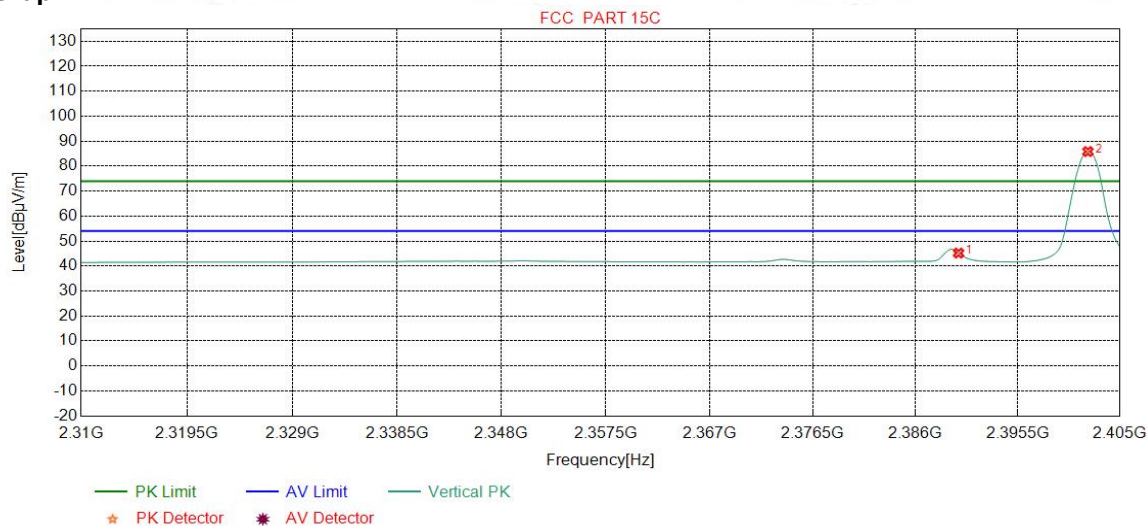
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2390.0000   | 32.25           | 13.37           | -42.44          | 41.47          | 44.65          | 54.00          | 9.35        | Pass   | Horizontal |
| 2  | 2402.0275   | 32.26           | 13.31           | -42.43          | 83.07          | 86.21          | 54.00          | -32.21      | Pass   | Horizontal |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 3DH5 | Channel: | 2402 |
| Remark: | AV   |          |      |

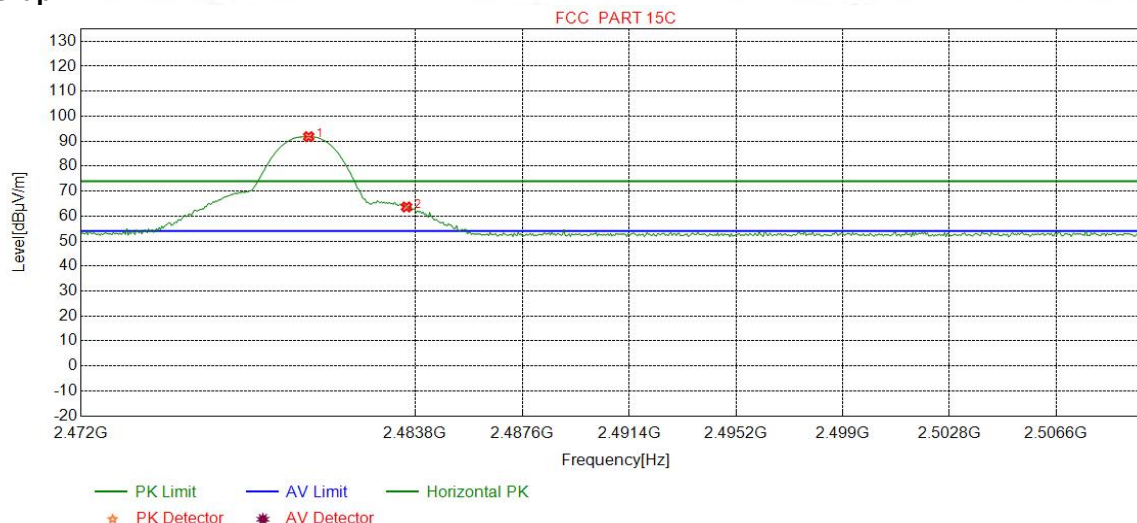
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2390.0000   | 32.25           | 13.37           | -42.44          | 42.01          | 45.19          | 54.00          | 8.81        | Pass   | Vertical |
| 2  | 2402.0275   | 32.26           | 13.31           | -42.43          | 82.70          | 85.84          | 54.00          | -31.84      | Pass   | Vertical |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 3DH5 | Channel: | 2480 |
| Remark: | PK   |          |      |

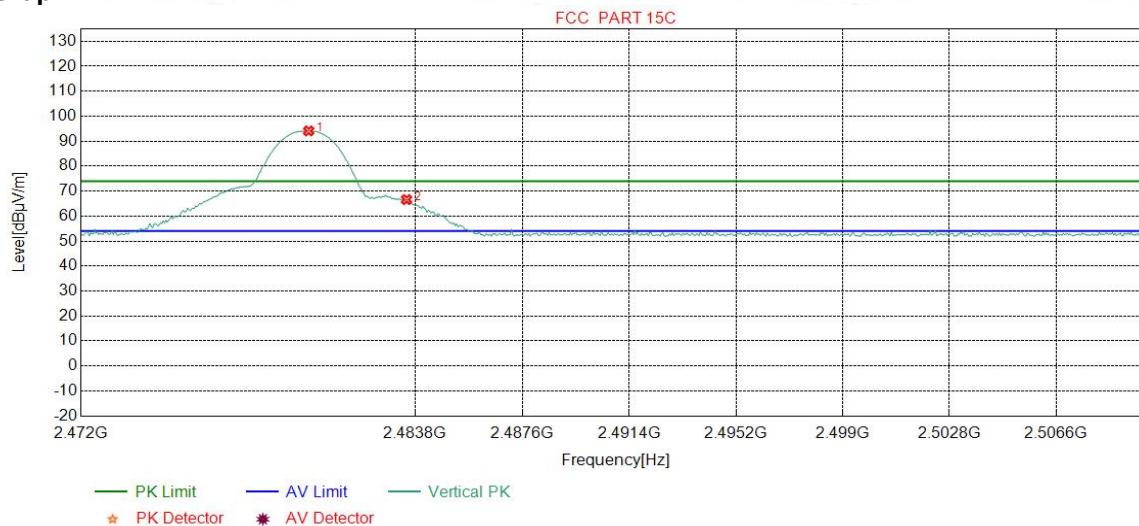
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2480.0375   | 32.37           | 13.39           | -42.39          | 88.44          | 91.81          | 74.00          | -17.81      | Pass   | Horizontal |
| 2  | 2483.5000   | 32.38           | 13.38           | -42.40          | 60.30          | 63.66          | 74.00          | 10.34       | Pass   | Horizontal |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 3DH5 | Channel: | 2480 |
| Remark: | PK   |          |      |

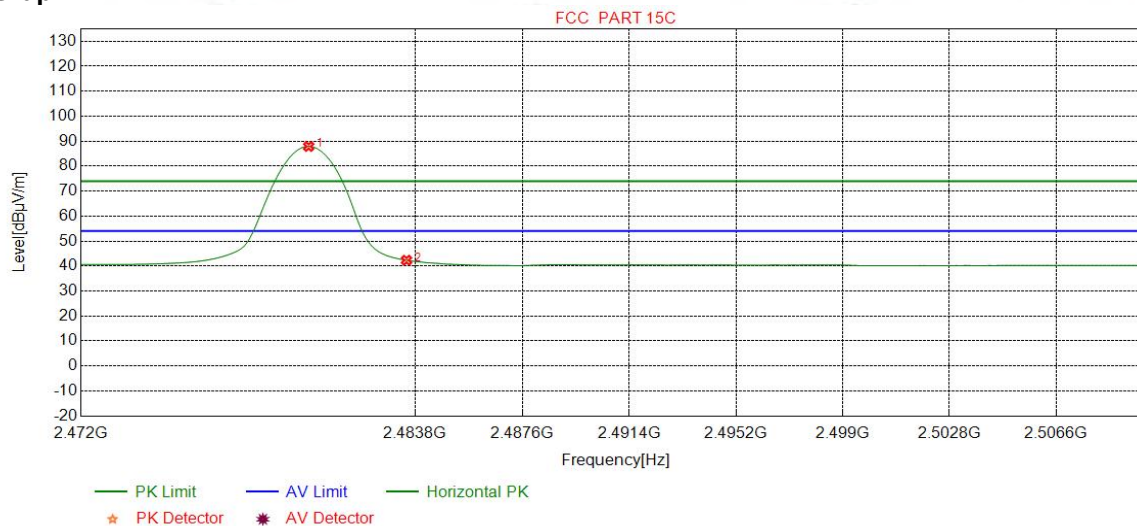
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2480.0375   | 32.37           | 13.39           | -42.39          | 90.74          | 94.11          | 74.00          | -20.11      | Pass   | Vertical |
| 2  | 2483.5000   | 32.38           | 13.38           | -42.40          | 63.25          | 66.61          | 74.00          | 7.39        | Pass   | Vertical |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 3DH5 | Channel: | 2480 |
| Remark: | AV   |          |      |

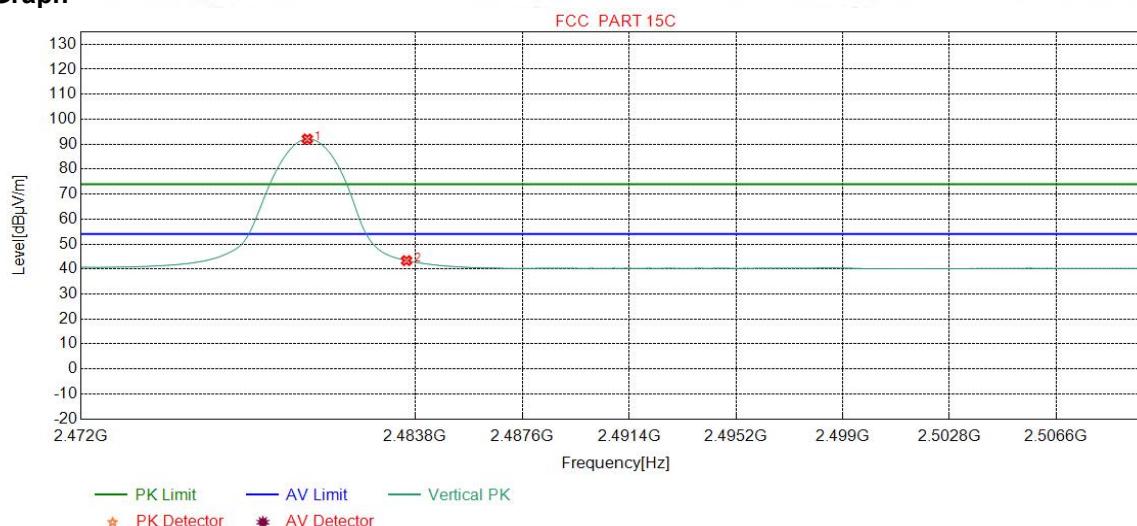
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2480.0375   | 32.37           | 13.39           | -42.39          | 84.52          | 87.89          | 54.00          | -33.89      | Pass   | Horizontal |
| 2  | 2483.5000   | 32.38           | 13.38           | -42.40          | 38.96          | 42.32          | 54.00          | 11.68       | Pass   | Horizontal |

|         |      |          |      |
|---------|------|----------|------|
| Mode:   | 3DH5 | Channel: | 2480 |
| Remark: | AV   |          |      |

### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2479.9900   | 32.37           | 13.39           | -42.39          | 88.69          | 92.06          | 54.00          | -38.06      | Pass   | Vertical |
| 2  | 2483.5000   | 32.38           | 13.38           | -42.40          | 40.01          | 43.37          | 54.00          | 10.63       | Pass   | Vertical |

### Note:

1) Through Pre-scan transmitter mode with all kind of modulation and all kind of data type, find the 1-DH5 of data type is the worse case of GFSK modulation type, the 2-DH5 of data type is the worse case of  $\pi/4$ DQPSK modulation type, the 3-DH5 of data type is the worse case of 8DPSK modulation type in charge + transmitter mode.

2) As shown in this section, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak values are measured.

3) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

## Appendix K): Radiated Spurious Emissions

| Receiver Setup: | Frequency         | Detector   | RBW    | VBW    | Remark     |
|-----------------|-------------------|------------|--------|--------|------------|
|                 | 0.009MHz-0.090MHz | Peak       | 10kHz  | 30kHz  | Peak       |
|                 | 0.009MHz-0.090MHz | Average    | 10kHz  | 30kHz  | Average    |
|                 | 0.090MHz-0.110MHz | Quasi-peak | 10kHz  | 30kHz  | Quasi-peak |
|                 | 0.110MHz-0.490MHz | Peak       | 10kHz  | 30kHz  | Peak       |
|                 | 0.110MHz-0.490MHz | Average    | 10kHz  | 30kHz  | Average    |
|                 | 0.490MHz -30MHz   | Quasi-peak | 10kHz  | 30kHz  | Quasi-peak |
|                 | 30MHz-1GHz        | Quasi-peak | 120kHz | 300kHz | Quasi-peak |
|                 | Above 1GHz        | Peak       | 1MHz   | 3MHz   | Peak       |
|                 |                   | Peak       | 1MHz   | 10Hz   | Average    |

**Test Procedure:**

**Below 1GHz test procedure as below:**

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height 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.
- 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

**Above 1GHz test procedure as below:**

- Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter( Above 18GHz the distance is 1 meter and table is 1.5 meter).
- Test the EUT in the lowest channel ,the middle channel ,the Highest channel
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.
- Repeat above procedures until all frequencies measured was complete.

Limit:

| Frequency         | Field strength<br>(microvolt/meter) | Limit<br>(dBμV/m) | Remark     | Measurement<br>distance (m) |
|-------------------|-------------------------------------|-------------------|------------|-----------------------------|
| 0.009MHz-0.490MHz | 2400/F(kHz)                         | -                 | -          | 300                         |
| 0.490MHz-1.705MHz | 24000/F(kHz)                        | -                 | -          | 30                          |
| 1.705MHz-30MHz    | 30                                  | -                 | -          | 30                          |
| 30MHz-88MHz       | 100                                 | 40.0              | Quasi-peak | 3                           |
| 88MHz-216MHz      | 150                                 | 43.5              | Quasi-peak | 3                           |
| 216MHz-960MHz     | 200                                 | 46.0              | Quasi-peak | 3                           |
| 960MHz-1GHz       | 500                                 | 54.0              | Quasi-peak | 3                           |
| Above 1GHz        | 500                                 | 54.0              | Average    | 3                           |

Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

## Radiated Spurious Emissions test Data: Radiated Emission below 1GHz

| Mode: |             | GFSK Transmitting |                 |                 |                |                | Channel:       |             | 2402   |          |        |
|-------|-------------|-------------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]   | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 36.6937     | 11.24             | 0.67            | -32.11          | 39.70          | 19.50          | 40.00          | 20.50       | Pass   | H        | PK     |
| 2     | 55.3195     | 12.35             | 0.84            | -32.07          | 34.05          | 15.17          | 40.00          | 24.83       | Pass   | H        | PK     |
| 3     | 165.0375    | 8.18              | 1.50            | -31.97          | 36.30          | 14.01          | 43.50          | 29.49       | Pass   | H        | PK     |
| 4     | 208.8859    | 11.13             | 1.71            | -31.94          | 40.11          | 21.01          | 43.50          | 22.49       | Pass   | H        | PK     |
| 5     | 687.5318    | 19.70             | 3.14            | -32.06          | 38.55          | 29.33          | 46.00          | 16.67       | Pass   | H        | PK     |
| 6     | 892.9983    | 22.02             | 3.59            | -31.62          | 43.25          | 37.24          | 46.00          | 8.76        | Pass   | H        | PK     |
| 7     | 54.8345     | 12.43             | 0.84            | -32.09          | 40.14          | 21.32          | 40.00          | 18.68       | Pass   | V        | PK     |
| 8     | 120.0250    | 9.20              | 1.30            | -32.07          | 35.85          | 14.28          | 43.50          | 29.22       | Pass   | V        | PK     |
| 9     | 208.8859    | 11.13             | 1.71            | -31.94          | 49.28          | 30.18          | 43.50          | 13.32       | Pass   | V        | PK     |
| 10    | 439.9630    | 16.04             | 2.48            | -31.88          | 31.47          | 18.11          | 46.00          | 27.89       | Pass   | V        | PK     |
| 11    | 649.9890    | 19.40             | 3.10            | -32.07          | 37.97          | 28.40          | 46.00          | 17.60       | Pass   | V        | PK     |
| 12    | 875.0515    | 21.80             | 3.55            | -31.70          | 36.40          | 30.05          | 46.00          | 15.95       | Pass   | V        | PK     |

| Mode: |             | GFSK Transmitting |                 |                 |                |                | Channel:       |             | 2441   |          |        |
|-------|-------------|-------------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]   | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 36.6937     | 11.24             | 0.67            | -32.11          | 39.61          | 19.41          | 40.00          | 20.59       | Pass   | H        | PK     |
| 2     | 54.6405     | 12.46             | 0.84            | -32.09          | 31.48          | 12.69          | 40.00          | 27.31       | Pass   | H        | PK     |
| 3     | 208.8859    | 11.13             | 1.71            | -31.94          | 39.40          | 20.30          | 43.50          | 23.20       | Pass   | H        | PK     |
| 4     | 334.8045    | 13.97             | 2.18            | -31.80          | 35.44          | 19.79          | 46.00          | 26.21       | Pass   | H        | PK     |
| 5     | 687.5318    | 19.70             | 3.14            | -32.06          | 37.37          | 28.15          | 46.00          | 17.85       | Pass   | H        | PK     |
| 6     | 875.0515    | 21.80             | 3.55            | -31.70          | 37.13          | 30.78          | 46.00          | 15.22       | Pass   | H        | PK     |
| 7     | 36.8877     | 11.30             | 0.68            | -32.11          | 39.02          | 18.89          | 40.00          | 21.11       | Pass   | V        | PK     |
| 8     | 54.6405     | 12.46             | 0.84            | -32.09          | 41.00          | 22.21          | 40.00          | 17.79       | Pass   | V        | PK     |
| 9     | 208.8859    | 11.13             | 1.71            | -31.94          | 49.49          | 30.39          | 43.50          | 13.11       | Pass   | V        | PK     |
| 10    | 337.9088    | 14.03             | 2.19            | -31.81          | 30.99          | 15.40          | 46.00          | 30.60       | Pass   | V        | PK     |
| 11    | 649.9890    | 19.40             | 3.10            | -32.07          | 37.61          | 28.04          | 46.00          | 17.96       | Pass   | V        | PK     |
| 12    | 898.0428    | 22.08             | 3.60            | -31.60          | 40.82          | 34.90          | 46.00          | 11.10       | Pass   | V        | PK     |

| Mode: |             | GFSK Transmitting |                 |                 |                |                | Channel:       |             | 2480   |          |        |
|-------|-------------|-------------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]   | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 36.6937     | 11.24             | 0.67            | -32.11          | 39.87          | 19.67          | 40.00          | 20.33       | Pass   | H        | PK     |
| 2     | 56.5807     | 12.15             | 0.86            | -32.07          | 33.07          | 14.01          | 40.00          | 25.99       | Pass   | H        | PK     |
| 3     | 123.0323    | 8.75              | 1.31            | -32.06          | 34.55          | 12.55          | 43.50          | 30.95       | Pass   | H        | PK     |
| 4     | 208.8859    | 11.13             | 1.71            | -31.94          | 39.07          | 19.97          | 43.50          | 23.53       | Pass   | H        | PK     |
| 5     | 649.9890    | 19.40             | 3.10            | -32.07          | 38.47          | 28.90          | 46.00          | 17.10       | Pass   | H        | PK     |
| 6     | 874.4694    | 21.79             | 3.54            | -31.70          | 37.02          | 30.65          | 46.00          | 15.35       | Pass   | H        | PK     |
| 7     | 37.6638     | 11.55             | 0.69            | -32.11          | 40.06          | 20.19          | 40.00          | 19.81       | Pass   | V        | PK     |
| 8     | 55.2225     | 12.36             | 0.84            | -32.07          | 41.34          | 22.47          | 40.00          | 17.53       | Pass   | V        | PK     |
| 9     | 159.7020    | 7.89              | 1.47            | -31.98          | 40.66          | 18.04          | 43.50          | 25.46       | Pass   | V        | PK     |
| 10    | 208.8859    | 11.13             | 1.71            | -31.94          | 49.77          | 30.67          | 43.50          | 12.83       | Pass   | V        | PK     |
| 11    | 649.9890    | 19.40             | 3.10            | -32.07          | 38.97          | 29.40          | 46.00          | 16.60       | Pass   | V        | PK     |
| 12    | 892.9013    | 22.01             | 3.59            | -31.61          | 41.80          | 35.79          | 46.00          | 10.21       | Pass   | V        | PK     |

| Mode: |             | $\pi/4$ DQPSK Transmitting |                 |                 |                |                | Channel:       |             | 2402   |          |        |
|-------|-------------|----------------------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]            | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 36.6937     | 11.24                      | 0.67            | -32.11          | 40.10          | 19.90          | 40.00          | 20.10       | Pass   | H        | PK     |
| 2     | 44.5515     | 13.12                      | 0.75            | -32.12          | 33.92          | 15.67          | 40.00          | 24.33       | Pass   | H        | PK     |
| 3     | 208.8859    | 11.13                      | 1.71            | -31.94          | 40.01          | 20.91          | 43.50          | 22.59       | Pass   | H        | PK     |
| 4     | 270.0020    | 12.60                      | 1.96            | -31.88          | 35.68          | 18.36          | 46.00          | 27.64       | Pass   | H        | PK     |
| 5     | 687.5318    | 19.70                      | 3.14            | -32.06          | 37.17          | 27.95          | 46.00          | 18.05       | Pass   | H        | PK     |
| 6     | 908.0348    | 22.15                      | 3.60            | -31.50          | 37.49          | 31.74          | 46.00          | 14.26       | Pass   | H        | PK     |
| 7     | 36.6937     | 11.24                      | 0.67            | -32.11          | 39.91          | 19.71          | 40.00          | 20.29       | Pass   | V        | PK     |
| 8     | 54.5435     | 12.47                      | 0.84            | -32.08          | 40.57          | 21.80          | 40.00          | 18.20       | Pass   | V        | PK     |
| 9     | 71.9082     | 8.64                       | 0.97            | -32.05          | 40.31          | 17.87          | 40.00          | 22.13       | Pass   | V        | PK     |
| 10    | 208.8859    | 11.13                      | 1.71            | -31.94          | 49.78          | 30.68          | 43.50          | 12.82       | Pass   | V        | PK     |
| 11    | 649.9890    | 19.40                      | 3.10            | -32.07          | 37.14          | 27.57          | 46.00          | 18.43       | Pass   | V        | PK     |
| 12    | 896.0056    | 22.05                      | 3.59            | -31.59          | 38.72          | 32.77          | 46.00          | 13.23       | Pass   | V        | PK     |

| Mode: |             | $\pi/4$ DQPSK Transmitting |                 |                 |                      |                      | Channel:             |             | 2441   |          |        |
|-------|-------------|----------------------------|-----------------|-----------------|----------------------|----------------------|----------------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]            | Cable loss [dB] | Pream gain [dB] | Reading [dB $\mu$ V] | Level [dB $\mu$ V/m] | Limit [dB $\mu$ V/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 36.6937     | 11.24                      | 0.67            | -32.11          | 39.53                | 19.33                | 40.00                | 20.67       | Pass   | H        | PK     |
| 2     | 124.4874    | 8.53                       | 1.31            | -32.05          | 34.64                | 12.43                | 43.50                | 31.07       | Pass   | H        | PK     |
| 3     | 208.8859    | 11.13                      | 1.71            | -31.94          | 39.70                | 20.60                | 43.50                | 22.90       | Pass   | H        | PK     |
| 4     | 649.9890    | 19.40                      | 3.10            | -32.07          | 37.55                | 27.98                | 46.00                | 18.02       | Pass   | H        | PK     |
| 5     | 687.5318    | 19.70                      | 3.14            | -32.06          | 37.28                | 28.06                | 46.00                | 17.94       | Pass   | H        | PK     |
| 6     | 906.3856    | 22.14                      | 3.60            | -31.52          | 45.43                | 39.65                | 46.00                | 6.35        | Pass   | H        | PK     |
| 7     | 36.7907     | 11.27                      | 0.68            | -32.12          | 39.88                | 19.71                | 40.00                | 20.29       | Pass   | V        | PK     |
| 8     | 54.5435     | 12.47                      | 0.84            | -32.08          | 40.40                | 21.63                | 40.00                | 18.37       | Pass   | V        | PK     |
| 9     | 163.0973    | 8.07                       | 1.49            | -31.97          | 40.26                | 17.85                | 43.50                | 25.65       | Pass   | V        | PK     |
| 10    | 208.8859    | 11.13                      | 1.71            | -31.94          | 49.58                | 30.48                | 43.50                | 13.02       | Pass   | V        | PK     |
| 11    | 649.9890    | 19.40                      | 3.10            | -32.07          | 36.91                | 27.34                | 46.00                | 18.66       | Pass   | V        | PK     |
| 12    | 875.0515    | 21.80                      | 3.55            | -31.70          | 36.31                | 29.96                | 46.00                | 16.04       | Pass   | V        | PK     |

| Mode: |             | $\pi/4$ DQPSK Transmitting |                 |                 |                      |                      | Channel:             |             | 2480   |          |        |
|-------|-------------|----------------------------|-----------------|-----------------|----------------------|----------------------|----------------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]            | Cable loss [dB] | Pream gain [dB] | Reading [dB $\mu$ V] | Level [dB $\mu$ V/m] | Limit [dB $\mu$ V/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 36.6937     | 11.24                      | 0.67            | -32.11          | 39.80                | 19.60                | 40.00                | 20.40       | Pass   | H        | PK     |
| 2     | 44.5515     | 13.12                      | 0.75            | -32.12          | 35.21                | 16.96                | 40.00                | 23.04       | Pass   | H        | PK     |
| 3     | 208.8859    | 11.13                      | 1.71            | -31.94          | 39.90                | 20.80                | 43.50                | 22.70       | Pass   | H        | PK     |
| 4     | 584.9925    | 18.70                      | 2.91            | -31.95          | 34.54                | 24.20                | 46.00                | 21.80       | Pass   | H        | PK     |
| 5     | 687.5318    | 19.70                      | 3.14            | -32.06          | 37.47                | 28.25                | 46.00                | 17.75       | Pass   | H        | PK     |
| 6     | 875.0515    | 21.80                      | 3.55            | -31.70          | 37.36                | 31.01                | 46.00                | 14.99       | Pass   | H        | PK     |
| 7     | 36.6937     | 11.24                      | 0.67            | -32.11          | 39.82                | 19.62                | 40.00                | 20.38       | Pass   | V        | PK     |
| 8     | 55.0285     | 12.40                      | 0.84            | -32.08          | 40.34                | 21.50                | 40.00                | 18.50       | Pass   | V        | PK     |
| 9     | 169.0149    | 8.40                       | 1.52            | -31.96          | 39.90                | 17.86                | 43.50                | 25.64       | Pass   | V        | PK     |
| 10    | 208.8859    | 11.13                      | 1.71            | -31.94          | 49.67                | 30.57                | 43.50                | 12.93       | Pass   | V        | PK     |
| 11    | 649.9890    | 19.40                      | 3.10            | -32.07          | 36.17                | 26.60                | 46.00                | 19.40       | Pass   | V        | PK     |
| 12    | 896.0056    | 22.05                      | 3.59            | -31.59          | 46.16                | 40.21                | 46.00                | 5.79        | Pass   | V        | PK     |

| Mode: |             | 8DPSK Transmitting |                 |                 |                |                | Channel:       |             | 2402   |          |        |
|-------|-------------|--------------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]    | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 36.6937     | 11.24              | 0.67            | -32.11          | 40.99          | 20.79          | 40.00          | 19.21       | Pass   | H        | PK     |
| 2     | 57.9388     | 11.93              | 0.88            | -32.06          | 31.25          | 12.00          | 40.00          | 28.00       | Pass   | H        | PK     |
| 3     | 165.6196    | 8.21               | 1.50            | -31.97          | 36.87          | 14.61          | 43.50          | 28.89       | Pass   | H        | PK     |
| 4     | 208.8859    | 11.13              | 1.71            | -31.94          | 39.24          | 20.14          | 43.50          | 23.36       | Pass   | H        | PK     |
| 5     | 687.5318    | 19.70              | 3.14            | -32.06          | 37.44          | 28.22          | 46.00          | 17.78       | Pass   | H        | PK     |
| 6     | 875.1485    | 21.80              | 3.55            | -31.70          | 37.04          | 30.69          | 46.00          | 15.31       | Pass   | H        | PK     |
| 7     | 37.6638     | 11.55              | 0.69            | -32.11          | 38.91          | 19.04          | 40.00          | 20.96       | Pass   | V        | PK     |
| 8     | 54.3494     | 12.50              | 0.83            | -32.08          | 41.84          | 23.09          | 40.00          | 16.91       | Pass   | V        | PK     |
| 9     | 163.0003    | 8.07               | 1.49            | -31.98          | 39.48          | 17.06          | 43.50          | 26.44       | Pass   | V        | PK     |
| 10    | 208.8859    | 11.13              | 1.71            | -31.94          | 49.85          | 30.75          | 43.50          | 12.75       | Pass   | V        | PK     |
| 11    | 649.9890    | 19.40              | 3.10            | -32.07          | 36.99          | 27.42          | 46.00          | 18.58       | Pass   | V        | PK     |
| 12    | 875.0515    | 21.80              | 3.55            | -31.70          | 35.86          | 29.51          | 46.00          | 16.49       | Pass   | V        | PK     |

| Mode: |             | 8DPSK Transmitting |                 |                 |                |                | Channel:       |             | 2441   |          |        |
|-------|-------------|--------------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]    | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 36.6937     | 11.24              | 0.67            | -32.11          | 40.45          | 20.25          | 40.00          | 19.75       | Pass   | H        | PK     |
| 2     | 54.6405     | 12.46              | 0.84            | -32.09          | 32.16          | 13.37          | 40.00          | 26.63       | Pass   | H        | PK     |
| 3     | 159.7020    | 7.89               | 1.47            | -31.98          | 35.70          | 13.08          | 43.50          | 30.42       | Pass   | H        | PK     |
| 4     | 208.8859    | 11.13              | 1.71            | -31.94          | 40.51          | 21.41          | 43.50          | 22.09       | Pass   | H        | PK     |
| 5     | 649.9890    | 19.40              | 3.10            | -32.07          | 38.00          | 28.43          | 46.00          | 17.57       | Pass   | H        | PK     |
| 6     | 875.0515    | 21.80              | 3.55            | -31.70          | 35.61          | 29.26          | 46.00          | 16.74       | Pass   | H        | PK     |
| 7     | 37.2757     | 11.43              | 0.68            | -32.11          | 40.62          | 20.62          | 40.00          | 19.38       | Pass   | V        | PK     |
| 8     | 54.7375     | 12.44              | 0.84            | -32.08          | 41.10          | 22.30          | 40.00          | 17.70       | Pass   | V        | PK     |
| 9     | 166.2016    | 8.24               | 1.51            | -31.97          | 41.26          | 19.04          | 43.50          | 24.46       | Pass   | V        | PK     |
| 10    | 208.8859    | 11.13              | 1.71            | -31.94          | 49.46          | 30.36          | 43.50          | 13.14       | Pass   | V        | PK     |
| 11    | 649.9890    | 19.40              | 3.10            | -32.07          | 36.91          | 27.34          | 46.00          | 18.66       | Pass   | V        | PK     |
| 12    | 896.1026    | 22.05              | 3.59            | -31.59          | 39.20          | 33.25          | 46.00          | 12.75       | Pass   | V        | PK     |

| Mode: |                | 8DPSK Transmitting    |                       |                       |                   |                   | Channel:          |                | 2480   |          |        |
|-------|----------------|-----------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|----------------|--------|----------|--------|
| NO    | Freq.<br>[MHz] | Ant<br>Factor<br>[dB] | Cable<br>loss<br>[dB] | Pream<br>gain<br>[dB] | Reading<br>[dBμV] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Result | Polarity | Remark |
| 1     | 36.6937        | 11.24                 | 0.67                  | -32.11                | 39.01             | 18.81             | 40.00             | 21.19          | Pass   | H        | PK     |
| 2     | 123.1293       | 8.73                  | 1.31                  | -32.05                | 34.19             | 12.18             | 43.50             | 31.32          | Pass   | H        | PK     |
| 3     | 208.8859       | 11.13                 | 1.71                  | -31.94                | 40.31             | 21.21             | 43.50             | 22.29          | Pass   | H        | PK     |
| 4     | 649.9890       | 19.40                 | 3.10                  | -32.07                | 38.04             | 28.47             | 46.00             | 17.53          | Pass   | H        | PK     |
| 5     | 687.5318       | 19.70                 | 3.14                  | -32.06                | 37.53             | 28.31             | 46.00             | 17.69          | Pass   | H        | PK     |
| 6     | 907.9378       | 22.15                 | 3.60                  | -31.50                | 37.50             | 31.75             | 46.00             | 14.25          | Pass   | H        | PK     |
| 7     | 37.5668        | 11.52                 | 0.69                  | -32.12                | 42.55             | 22.64             | 40.00             | 17.36          | Pass   | V        | PK     |
| 8     | 54.2524        | 12.52                 | 0.83                  | -32.08                | 40.09             | 21.36             | 40.00             | 18.64          | Pass   | V        | PK     |
| 9     | 163.2913       | 8.08                  | 1.49                  | -31.97                | 39.31             | 16.91             | 43.50             | 26.59          | Pass   | V        | PK     |
| 10    | 208.8859       | 11.13                 | 1.71                  | -31.94                | 49.66             | 30.56             | 43.50             | 12.94          | Pass   | V        | PK     |
| 11    | 649.9890       | 19.40                 | 3.10                  | -32.07                | 36.87             | 27.30             | 46.00             | 18.70          | Pass   | V        | PK     |
| 12    | 896.0056       | 22.05                 | 3.59                  | -31.59                | 40.73             | 34.78             | 46.00             | 11.22          | Pass   | V        | PK     |

**Transmitter Emission above 1GHz**

| Mode: |             | GFSK Transmitting |                 |                 |                |                | Channel:       |             | 2402   |          |        |
|-------|-------------|-------------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]   | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 2862.7863   | 32.98             | 4.27            | -42.20          | 50.69          | 45.74          | 74.00          | 28.26       | Pass   | H        | PK     |
| 2     | 4804.0000   | 34.50             | 4.55            | -40.66          | 47.03          | 45.42          | 74.00          | 28.58       | Pass   | H        | PK     |
| 3     | 7206.0000   | 36.31             | 5.81            | -41.02          | 44.94          | 46.04          | 74.00          | 27.96       | Pass   | H        | PK     |
| 4     | 9608.0000   | 37.64             | 6.63            | -40.76          | 41.95          | 45.46          | 74.00          | 28.54       | Pass   | H        | PK     |
| 5     | 12010.0000  | 39.31             | 7.60            | -41.21          | 42.60          | 48.30          | 74.00          | 25.70       | Pass   | H        | PK     |
| 6     | 14310.7541  | 40.01             | 8.62            | -41.89          | 46.59          | 53.33          | 74.00          | 20.67       | Pass   | H        | PK     |
| 7     | 3186.0124   | 33.27             | 4.63            | -42.01          | 51.24          | 47.13          | 74.00          | 26.87       | Pass   | V        | PK     |
| 8     | 4804.0000   | 34.50             | 4.55            | -40.66          | 45.86          | 44.25          | 74.00          | 29.75       | Pass   | V        | PK     |
| 9     | 7206.0000   | 36.31             | 5.81            | -41.02          | 44.73          | 45.83          | 74.00          | 28.17       | Pass   | V        | PK     |
| 10    | 9608.0000   | 37.64             | 6.63            | -40.76          | 44.11          | 47.62          | 74.00          | 26.38       | Pass   | V        | PK     |
| 11    | 12010.0000  | 39.31             | 7.60            | -41.21          | 43.11          | 48.81          | 74.00          | 25.19       | Pass   | V        | PK     |
| 12    | 14318.7546  | 40.02             | 8.62            | -41.90          | 45.63          | 52.37          | 74.00          | 21.63       | Pass   | V        | PK     |

| Mode: |             | GFSK Transmitting |                 |                 |                |                | Channel:       |             | 2441   |          |        |
|-------|-------------|-------------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]   | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 3000.0000   | 33.20             | 4.93            | -42.12          | 50.28          | 46.29          | 74.00          | 27.71       | Pass   | H        | PK     |
| 2     | 4882.0000   | 34.50             | 4.81            | -40.60          | 44.58          | 43.29          | 74.00          | 30.71       | Pass   | H        | PK     |
| 3     | 7323.0000   | 36.42             | 5.85            | -40.92          | 43.38          | 44.73          | 74.00          | 29.27       | Pass   | H        | PK     |
| 4     | 9764.0000   | 37.71             | 6.71            | -40.62          | 40.93          | 44.73          | 74.00          | 29.27       | Pass   | H        | PK     |
| 5     | 12205.0000  | 39.42             | 7.67            | -41.16          | 42.96          | 48.89          | 74.00          | 25.11       | Pass   | H        | PK     |
| 6     | 14928.7953  | 40.37             | 9.12            | -42.31          | 46.31          | 53.49          | 74.00          | 20.51       | Pass   | H        | PK     |
| 7     | 2789.7790   | 32.86             | 4.22            | -42.23          | 53.87          | 48.72          | 74.00          | 25.28       | Pass   | V        | PK     |
| 8     | 4882.0000   | 34.50             | 4.81            | -40.60          | 45.02          | 43.73          | 74.00          | 30.27       | Pass   | V        | PK     |
| 9     | 7323.0000   | 36.42             | 5.85            | -40.92          | 44.34          | 45.69          | 74.00          | 28.31       | Pass   | V        | PK     |
| 10    | 9764.0000   | 37.71             | 6.71            | -40.62          | 41.96          | 45.76          | 74.00          | 28.24       | Pass   | V        | PK     |
| 11    | 12205.0000  | 39.42             | 7.67            | -41.16          | 42.76          | 48.69          | 74.00          | 25.31       | Pass   | V        | PK     |
| 12    | 14875.7917  | 40.35             | 9.15            | -42.30          | 45.32          | 52.52          | 74.00          | 21.48       | Pass   | V        | PK     |

| Mode: |             | GFSK Transmitting |                 |                 |                |                | Channel:       |             | 2480   |          |        |
|-------|-------------|-------------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]   | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 3567.0378   | 33.45             | 4.41            | -41.68          | 49.88          | 46.06          | 74.00          | 27.94       | Pass   | H        | PK     |
| 2     | 4960.0000   | 34.50             | 4.82            | -40.53          | 45.30          | 44.09          | 74.00          | 29.91       | Pass   | H        | PK     |
| 3     | 7440.0000   | 36.54             | 5.85            | -40.82          | 43.57          | 45.14          | 74.00          | 28.86       | Pass   | H        | PK     |
| 4     | 9920.0000   | 37.77             | 6.79            | -40.48          | 42.74          | 46.82          | 74.00          | 27.18       | Pass   | H        | PK     |
| 5     | 12400.0000  | 39.54             | 7.86            | -41.12          | 42.74          | 49.02          | 74.00          | 24.98       | Pass   | H        | PK     |
| 6     | 15542.8362  | 40.99             | 9.50            | -43.03          | 45.75          | 53.21          | 74.00          | 20.79       | Pass   | H        | PK     |
| 7     | 3000.0000   | 33.20             | 4.93            | -42.12          | 48.35          | 44.36          | 74.00          | 29.64       | Pass   | V        | PK     |
| 8     | 4960.0000   | 34.50             | 4.82            | -40.53          | 46.00          | 44.79          | 74.00          | 29.21       | Pass   | V        | PK     |
| 9     | 7440.0000   | 36.54             | 5.85            | -40.82          | 43.43          | 45.00          | 74.00          | 29.00       | Pass   | V        | PK     |
| 10    | 9920.0000   | 37.77             | 6.79            | -40.48          | 41.72          | 45.80          | 74.00          | 28.20       | Pass   | V        | PK     |
| 11    | 12400.0000  | 39.54             | 7.86            | -41.12          | 44.85          | 51.13          | 74.00          | 22.87       | Pass   | V        | PK     |
| 12    | 14888.7926  | 40.36             | 9.17            | -42.31          | 45.73          | 52.95          | 74.00          | 21.05       | Pass   | V        | PK     |

| Mode: |             | π/4DQPSK Transmitting |                 |                 |                |                | Channel:       |             | 2402   |          |        |
|-------|-------------|-----------------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]       | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 3186.0124   | 33.27                 | 4.63            | -42.01          | 49.72          | 45.61          | 74.00          | 28.39       | Pass   | H        | PK     |
| 2     | 4804.0000   | 34.50                 | 4.55            | -40.66          | 42.50          | 40.89          | 74.00          | 33.11       | Pass   | H        | PK     |
| 3     | 7206.0000   | 36.31                 | 5.81            | -41.02          | 43.48          | 44.58          | 74.00          | 29.42       | Pass   | H        | PK     |
| 4     | 9608.0000   | 37.64                 | 6.63            | -40.76          | 42.32          | 45.83          | 74.00          | 28.17       | Pass   | H        | PK     |
| 5     | 12010.0000  | 39.31                 | 7.60            | -41.21          | 42.67          | 48.37          | 74.00          | 25.63       | Pass   | H        | PK     |
| 6     | 14231.7488  | 39.93                 | 8.61            | -41.73          | 46.25          | 53.06          | 74.00          | 20.94       | Pass   | H        | PK     |
| 7     | 2389.5390   | 32.25                 | 3.90            | -42.44          | 55.57          | 49.28          | 74.00          | 24.72       | Pass   | V        | PK     |
| 8     | 4804.0000   | 34.50                 | 4.55            | -40.66          | 42.64          | 41.03          | 74.00          | 32.97       | Pass   | V        | PK     |
| 9     | 7206.0000   | 36.31                 | 5.81            | -41.02          | 43.08          | 44.18          | 74.00          | 29.82       | Pass   | V        | PK     |
| 10    | 9608.0000   | 37.64                 | 6.63            | -40.76          | 42.91          | 46.42          | 74.00          | 27.58       | Pass   | V        | PK     |
| 11    | 12010.0000  | 39.31                 | 7.60            | -41.21          | 42.56          | 48.26          | 74.00          | 25.74       | Pass   | V        | PK     |
| 12    | 14222.7482  | 39.92                 | 8.62            | -41.71          | 45.80          | 52.63          | 74.00          | 21.37       | Pass   | V        | PK     |

| Mode: |             | $\pi/4$ DQPSK Transmitting |                 |                 |                      |                      | Channel:             |             | 2441   |          |        |
|-------|-------------|----------------------------|-----------------|-----------------|----------------------|----------------------|----------------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]            | Cable loss [dB] | Pream gain [dB] | Reading [dB $\mu$ V] | Level [dB $\mu$ V/m] | Limit [dB $\mu$ V/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 2913.7914   | 33.06                      | 4.39            | -42.17          | 50.60                | 45.88                | 74.00                | 28.12       | Pass   | H        | PK     |
| 2     | 4882.0000   | 34.50                      | 4.81            | -40.60          | 42.46                | 41.17                | 74.00                | 32.83       | Pass   | H        | PK     |
| 3     | 7323.0000   | 36.42                      | 5.85            | -40.92          | 43.27                | 44.62                | 74.00                | 29.38       | Pass   | H        | PK     |
| 4     | 9764.0000   | 37.71                      | 6.71            | -40.62          | 41.17                | 44.97                | 74.00                | 29.03       | Pass   | H        | PK     |
| 5     | 12205.0000  | 39.42                      | 7.67            | -41.16          | 43.09                | 49.02                | 74.00                | 24.98       | Pass   | H        | PK     |
| 6     | 14932.7955  | 40.37                      | 9.10            | -42.30          | 45.77                | 52.94                | 74.00                | 21.06       | Pass   | H        | PK     |
| 7     | 3588.0392   | 33.47                      | 4.36            | -41.63          | 49.20                | 45.40                | 74.00                | 28.60       | Pass   | V        | PK     |
| 8     | 4882.0000   | 34.50                      | 4.81            | -40.60          | 43.56                | 42.27                | 74.00                | 31.73       | Pass   | V        | PK     |
| 9     | 7323.0000   | 36.42                      | 5.85            | -40.92          | 43.08                | 44.43                | 74.00                | 29.57       | Pass   | V        | PK     |
| 10    | 9764.0000   | 37.71                      | 6.71            | -40.62          | 40.94                | 44.74                | 74.00                | 29.26       | Pass   | V        | PK     |
| 11    | 12205.0000  | 39.42                      | 7.67            | -41.16          | 42.59                | 48.52                | 74.00                | 25.48       | Pass   | V        | PK     |
| 12    | 14349.7567  | 40.05                      | 8.63            | -41.97          | 45.63                | 52.34                | 74.00                | 21.66       | Pass   | V        | PK     |

| Mode: |             | $\pi/4$ DQPSK Transmitting |                 |                 |                      |                      | Channel:             |             | 2480   |          |        |
|-------|-------------|----------------------------|-----------------|-----------------|----------------------|----------------------|----------------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]            | Cable loss [dB] | Pream gain [dB] | Reading [dB $\mu$ V] | Level [dB $\mu$ V/m] | Limit [dB $\mu$ V/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 3268.0179   | 33.31                      | 4.50            | -41.97          | 49.41                | 45.25                | 74.00                | 28.75       | Pass   | H        | PK     |
| 2     | 4960.0000   | 34.50                      | 4.82            | -40.53          | 43.62                | 42.41                | 74.00                | 31.59       | Pass   | H        | PK     |
| 3     | 7440.0000   | 36.54                      | 5.85            | -40.82          | 42.29                | 43.86                | 74.00                | 30.14       | Pass   | H        | PK     |
| 4     | 9920.0000   | 37.77                      | 6.79            | -40.48          | 43.48                | 47.56                | 74.00                | 26.44       | Pass   | H        | PK     |
| 5     | 12400.0000  | 39.54                      | 7.86            | -41.12          | 42.81                | 49.09                | 74.00                | 24.91       | Pass   | H        | PK     |
| 6     | 15481.8321  | 40.88                      | 9.17            | -42.97          | 45.71                | 52.79                | 74.00                | 21.21       | Pass   | H        | PK     |
| 7     | 3195.0130   | 33.28                      | 4.64            | -42.00          | 51.13                | 47.05                | 74.00                | 26.95       | Pass   | V        | PK     |
| 8     | 4960.0000   | 34.50                      | 4.82            | -40.53          | 42.99                | 41.78                | 74.00                | 32.22       | Pass   | V        | PK     |
| 9     | 7440.0000   | 36.54                      | 5.85            | -40.82          | 42.47                | 44.04                | 74.00                | 29.96       | Pass   | V        | PK     |
| 10    | 9920.0000   | 37.77                      | 6.79            | -40.48          | 42.50                | 46.58                | 74.00                | 27.42       | Pass   | V        | PK     |
| 11    | 12400.0000  | 39.54                      | 7.86            | -41.12          | 44.04                | 50.32                | 74.00                | 23.68       | Pass   | V        | PK     |
| 12    | 15385.8257  | 40.79                      | 9.40            | -42.84          | 45.58                | 52.93                | 74.00                | 21.07       | Pass   | V        | PK     |

| Mode: |             | 8DPSK Transmitting |                 |                 |                |                | Channel:       |             | 2402   |          |        |
|-------|-------------|--------------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]    | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 3036.0024   | 33.21              | 4.86            | -42.10          | 50.19          | 46.16          | 74.00          | 27.84       | Pass   | H        | PK     |
| 2     | 4804.0000   | 34.50              | 4.55            | -40.66          | 42.61          | 41.00          | 74.00          | 33.00       | Pass   | H        | PK     |
| 3     | 7206.0000   | 36.31              | 5.81            | -41.02          | 43.82          | 44.92          | 74.00          | 29.08       | Pass   | H        | PK     |
| 4     | 9608.0000   | 37.64              | 6.63            | -40.76          | 42.24          | 45.75          | 74.00          | 28.25       | Pass   | H        | PK     |
| 5     | 12010.0000  | 39.31              | 7.60            | -41.21          | 42.64          | 48.34          | 74.00          | 25.66       | Pass   | H        | PK     |
| 6     | 13606.7071  | 39.46              | 8.16            | -41.19          | 46.87          | 53.30          | 74.00          | 20.70       | Pass   | H        | PK     |
| 7     | 3015.0010   | 33.21              | 4.90            | -42.12          | 50.56          | 46.55          | 74.00          | 27.45       | Pass   | V        | PK     |
| 8     | 4804.0000   | 34.50              | 4.55            | -40.66          | 44.07          | 42.46          | 74.00          | 31.54       | Pass   | V        | PK     |
| 9     | 7206.0000   | 36.31              | 5.81            | -41.02          | 42.44          | 43.54          | 74.00          | 30.46       | Pass   | V        | PK     |
| 10    | 9608.0000   | 37.64              | 6.63            | -40.76          | 41.64          | 45.15          | 74.00          | 28.85       | Pass   | V        | PK     |
| 11    | 12010.0000  | 39.31              | 7.60            | -41.21          | 43.15          | 48.85          | 74.00          | 25.15       | Pass   | V        | PK     |
| 12    | 14964.7977  | 40.39              | 9.05            | -42.32          | 45.98          | 53.10          | 74.00          | 20.90       | Pass   | V        | PK     |

| Mode: |             | 8DPSK Transmitting |                 |                 |                |                | Channel:       |             | 2441   |          |        |
|-------|-------------|--------------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]    | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 2917.1917   | 33.07              | 4.39            | -42.17          | 51.12          | 46.41          | 74.00          | 27.59       | Pass   | H        | PK     |
| 2     | 4882.0000   | 34.50              | 4.81            | -40.60          | 42.76          | 41.47          | 74.00          | 32.53       | Pass   | H        | PK     |
| 3     | 7323.0000   | 36.42              | 5.85            | -40.92          | 43.64          | 44.99          | 74.00          | 29.01       | Pass   | H        | PK     |
| 4     | 9764.0000   | 37.71              | 6.71            | -40.62          | 42.95          | 46.75          | 74.00          | 27.25       | Pass   | H        | PK     |
| 5     | 12205.0000  | 39.42              | 7.67            | -41.16          | 43.28          | 49.21          | 74.00          | 24.79       | Pass   | H        | PK     |
| 6     | 14399.7600  | 40.10              | 8.68            | -42.06          | 45.92          | 52.64          | 74.00          | 21.36       | Pass   | H        | PK     |
| 7     | 3193.0129   | 33.28              | 4.64            | -42.01          | 50.94          | 46.85          | 74.00          | 27.15       | Pass   | V        | PK     |
| 8     | 4882.0000   | 34.50              | 4.81            | -40.60          | 42.59          | 41.30          | 74.00          | 32.70       | Pass   | V        | PK     |
| 9     | 7323.0000   | 36.42              | 5.85            | -40.92          | 43.06          | 44.41          | 74.00          | 29.59       | Pass   | V        | PK     |
| 10    | 9764.0000   | 37.71              | 6.71            | -40.62          | 40.80          | 44.60          | 74.00          | 29.40       | Pass   | V        | PK     |
| 11    | 12205.0000  | 39.42              | 7.67            | -41.16          | 42.84          | 48.77          | 74.00          | 25.23       | Pass   | V        | PK     |
| 12    | 15309.8207  | 40.71              | 9.60            | -42.74          | 45.72          | 53.29          | 74.00          | 20.71       | Pass   | V        | PK     |

| Mode: |             | 8DPSK Transmitting |                 |                 |                |                | Channel:       |             | 2480   |          |        |
|-------|-------------|--------------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB]    | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 2994.3994   | 33.19              | 4.53            | -42.12          | 54.64          | 50.24          | 74.00          | 23.76       | Pass   | H        | PK     |
| 2     | 4960.0000   | 34.50              | 4.82            | -40.53          | 48.38          | 47.17          | 74.00          | 26.83       | Pass   | H        | PK     |
| 3     | 7440.0000   | 36.54              | 5.85            | -40.82          | 51.18          | 52.75          | 74.00          | 21.25       | Pass   | H        | PK     |
| 4     | 9920.0000   | 37.77              | 6.79            | -40.48          | 41.68          | 45.76          | 74.00          | 28.24       | Pass   | H        | PK     |
| 5     | 12400.0000  | 39.54              | 7.86            | -41.12          | 43.69          | 49.97          | 74.00          | 24.03       | Pass   | H        | PK     |
| 6     | 15915.8611  | 41.73              | 10.16           | -43.30          | 45.22          | 53.81          | 74.00          | 20.19       | Pass   | H        | PK     |
| 7     | 2997.9998   | 33.20              | 4.54            | -42.12          | 56.66          | 52.28          | 74.00          | 21.72       | Pass   | V        | PK     |
| 8     | 4960.0000   | 34.50              | 4.82            | -40.53          | 47.79          | 46.58          | 74.00          | 27.42       | Pass   | V        | PK     |
| 9     | 7440.0000   | 36.54              | 5.85            | -40.82          | 53.08          | 54.65          | 74.00          | 19.35       | Pass   | V        | PK     |
| 10    | 9920.0000   | 37.77              | 6.79            | -40.48          | 41.58          | 45.66          | 74.00          | 28.34       | Pass   | V        | PK     |
| 11    | 12400.0000  | 39.54              | 7.86            | -41.12          | 43.83          | 50.11          | 74.00          | 23.89       | Pass   | V        | PK     |
| 12    | 14326.7551  | 40.03              | 8.63            | -41.93          | 47.09          | 53.82          | 74.00          | 20.18       | Pass   | V        | PK     |

Note:

1) Through Pre-scan transmitter mode with all kind of modulation and all kind of data type, find the 1-DH5 of data type is the worse case of GFSK modulation type, the 2-DH5 of data type is the worse case of  $\pi/4$ DQPSK modulation type, the 3-DH5 of data type is the worse case of 8DPSK modulation type in transmitter mode.

2) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak values are measured.

3) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

4) Scan from 9kHz to 25GHz, the disturbance above 15GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.