



FCC PART 15 SUBPART C TEST REPORT

FCC PART 15.247

Report Reference No..... : MAX25061110P01-R01

FCC ID..... : 2BQGF-LTWS

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Date of issue..... : June 19, 2025

Testing Laboratory Name..... : MAXLAB Testing Co.,Ltd.

Address..... : 1/F, Building B, Xinshidai GR Park,Shiyan Street, Bao'an District, Shenzhen,Guangdong, 518052, People's Republic of China

Applicant's name..... : Shenzhen Langtong Digital Technology Co., Ltd

Address..... : Room205,Building A, No.210 Wanfeng Middle Road,Wanfeng Community,Xinqiao Street,Baoan district,Shenzhen

Test specification..... :

Standard..... : FCC Part 15.247

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Test item description..... : RADIO

Trade Mark..... : N/A

Manufacturer..... : Shenzhen Langtong Digital Technology Co., Ltd

Model/Type reference..... : WS2

Listed Models : WS1, WS3

Modulation : GFSK, $\pi/4$ DQPSK, 8DPSK

Frequency..... : From 2402MHz to 2480MHz

Rating..... : DC 3.7V From Battery and DC 5V From External circuit

Result..... : PASS



MAXLAB Testing Co.,Ltd.

Report No.: MAX25061110P01-R01

TEST REPORT

Equipment under Test : **RADIO**

Model /Type : **WS2**

Listed Models : **WS1, WS3**

Model Declaration : All the models are electrical identical including the same software parameter and hardware design, same mechanical structure and design, the only difference is the model named different.

Applicant : **Shenzhen Langtong Digital Technology Co., Ltd**

Address : Room205,Building A, No.210 Wanfeng Middle Road,Wanfeng Community,Xinqiao Street,Baoan district,Shenzhen

Manufacturer : **Shenzhen Langtong Digital Technology Co., Ltd**

Address : Room205,Building A, No.210 Wanfeng Middle Road,Wanfeng Community,Xinqiao Street,Baoan district,Shenzhen

| | |
|---------------------|-------------|
| Test Result: | PASS |
|---------------------|-------------|

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1 TEST STANDARDS

The tests were performed according to following standards:

[FCC Rules Part 15.247](#): Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz.

[ANSI C63.10-2020](#): American National Standard for Testing Unlicensed Wireless Devices

[KDB558074 D01 V05r02](#): Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247

2 SUMMARY

2.1 General Remarks

| | | |
|--------------------------------|---|---------------|
| Date of receipt of test sample | : | May 29, 2025 |
| Testing commenced on | : | May 29, 2025 |
| Testing concluded on | : | June 11, 2025 |

2.2 Product Description

| | |
|---|--|
| Product Name: | RADIO |
| Model/Type reference: | WS2 |
| Power supply: | DC 3.7V From Battery and DC 5V From external circuit |
| Adapter information (Auxiliary test supplied by testing Lab) | Model: EP-TA20CBC Input: AC 100-240V 50/60Hz Output: DC 5V 2A Firmware Version: EPTA5.14.2 Manufacture: Huizhou Dongyang Yienbi Electronics Co., Ltd |
| Hardware version: | V1.0 |
| Software version: | V1.0 |
| Testing sample ID: | MAX25061110P01-R01-1# (Engineer sample) MAX25061110P01-R01-2# (Normal sample) |
| Bluetooth : | |
| Supported Type: | Bluetooth BR/EDR |
| Modulation: | GFSK, $\pi/4$ DQPSK, 8DPSK |
| Operation frequency: | 2402MHz~2480MHz |
| Channel number: | 79 |
| Channel separation: | 1MHz |
| Antenna type: | PCB Antenna |
| Antenna gain: | -0.68 dBi |

2.3 Equipment Under Test

Power supply system utilised

| | | | |
|----------------------|---|---|-----------------------------------|
| Power supply voltage | : | <input type="radio"/> 230V / 50 Hz | <input type="radio"/> 120V / 60Hz |
| | | <input type="radio"/> 12 V DC | <input type="radio"/> 24 V DC |
| | | <input checked="" type="radio"/> Other (specified in blank below) | |

DC 3.7V From Battery

2.4 Short description of the Equipment under Test (EUT)

This is a RADIO.

For more details, refer to the user's manual of the EUT.

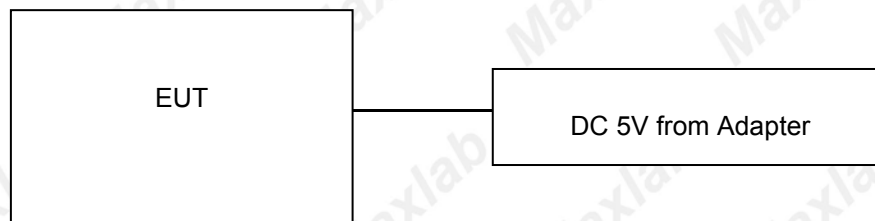
2.5 EUT operation mode

The Applicant provides communication tools software(Engineer mode) to control the EUT for staying in continuous transmitting (Duty Cycle more than 98%) and receiving mode for testing. There are 79 channels provided to the EUT and Channel 00/39/78 were selected to test.

Operation Frequency:

| Channel | Frequency (MHz) |
|---------|-----------------|
| 00 | 2402 |
| 01 | 2403 |
| ⋮ | ⋮ |
| 38 | 2440 |
| 39 | 2441 |
| 40 | 2442 |
| ⋮ | ⋮ |
| 77 | 2479 |
| 78 | 2480 |

2.6 Block Diagram of Test Setup



2.7 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for the device filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

2.8 Modifications

No modifications were implemented to meet testing criteria.

3 TEST ENVIRONMENT

3.1 Address of the test laboratory

MAXLAB Testing Co.,Ltd.

1/F, Building B, Xinshidai GR Park, Shiyan Street, Bao'an District, Shenzhen, Guangdong, 518052, People's Republic of China

3.2 Test Facility

FCC-Registration No.: 562200 Designation Number: CN1338

BSL Testing Co.,Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

Industry Canada Registration Number. Is: 11093A CAB identifier: CN0019

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

A2LA-Lab Cert. No.: 4707.01

BSL Testing Co.,Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

3.3 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Radiated Emission:

| | |
|-----------------------|--------------|
| Temperature: | 24 ° C |
| | |
| Humidity: | 45 % |
| | |
| Atmospheric pressure: | 950-1050mbar |

AC Power Conducted Emission:

| | |
|-----------------------|--------------|
| Temperature: | 25 ° C |
| | |
| Humidity: | 46 % |
| | |
| Atmospheric pressure: | 950-1050mbar |

Conducted testing:

| | |
|-----------------------|--------------|
| Temperature: | 25 ° C |
| | |
| Humidity: | 44 % |
| | |
| Atmospheric pressure: | 950-1050mbar |

3.4 Summary of measurement results

| Test Specification clause | Test case | Test Mode | Test Channel | Recorded In Report | | Test result |
|---------------------------|---|---------------------------|---|---------------------------|---|-------------|
| §15.247(a)(1) | Carrier Frequency separation | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Middle | Compliant |
| §15.247(a)(1) | Number of Hopping channels | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Full | GFSK | <input checked="" type="checkbox"/> Full | Compliant |
| §15.247(a)(1) | Time of Occupancy (dwell time) | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Middle | Compliant |
| §15.247(a)(1) | Spectrum bandwidth of aFHSS system 20dB bandwidth | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | Compliant |
| §15.247(b)(1) | Maximum output peak power | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | Compliant |
| §15.247(d) | Band edge compliance conducted | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Highest | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Highest | Compliant |
| §15.205 | Band edge compliance radiated | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Highest | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Highest | Compliant |
| §15.247(d) | TX spurious emissions conducted | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | Compliant |
| §15.247(d) | TX spurious emissions radiated | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | GFSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | Compliant |
| §15.209(a) | TX spurious Emissions radiated Below 1GHz | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | GFSK | <input checked="" type="checkbox"/> Middle | Compliant |
| §15.107(a) §15.207 | Conducted Emissions 9KHz-30 MHz | GFSK Π/4DQPSK 8DPSK | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | GFSK | <input checked="" type="checkbox"/> Middle | Compliant |

Remark:

1. The measurement uncertainty is not included in the test result.
2. We tested all test mode and recorded worst case in report

3.5 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the MAXLAB Testing Co.,Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for MAXLAB Testing Co.,Ltd.:

| Test | Range | Measurement Uncertainty | Notes |
|-----------------------------|------------|-------------------------|-------|
| Radiated Emission | 9KHz~30MHz | 3.82 dB | (1) |
| Radiated Emission | 30~1000MHz | 4.06 dB | (1) |
| Radiated Emission | 1~18GHz | 5.14 dB | (1) |
| Radiated Emission | 18-40GHz | 5.38 dB | (1) |
| Conducted Disturbance | 0.15~30MHz | 2.14 dB | (1) |
| Transmitter power conducted | 1~40GHz | 0.57 dB | (1) |
| Conducted spurious emission | 1~40GHz | 1.60 dB | (1) |

| | | | |
|-----|---------|-------|-----|
| OBW | 1~40GHz | 25 Hz | (1) |
|-----|---------|-------|-----|

- (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3.6 Equipments Used during the Test

| Conducted Emission | | | | | |
|---------------------------|-------------------------|----------------------|------------|--------------|------------|
| Test Equipment | Manufacturer | Model | Serial No. | Date of Cal. | Due Date |
| Shielding Room | ZhongYu Electron | 7.3(L)x3.1(W)x2.9(H) | MAX252 | 2024-10-28 | 2025-10-27 |
| EMI Test Receiver | R&S | ESCI 7 | MAX552 | 2024-10-28 | 2025-10-27 |
| Coaxial Switch | ANRITSU CORP | MP59B | MAX225 | 2024-10-28 | 2025-10-27 |
| ENV216 2-L-V-NETZNACHB.DE | ROHDE&SCHWARZ | ENV216 | MAX226 | 2024-10-28 | 2025-10-27 |
| Coaxial Cable | MAX | N/A | MAX227 | N/A | N/A |
| EMI Test Software | AUDIX | E3 | N/A | N/A | N/A |
| Thermo meter | KTJ | TA328 | MAX233 | 2024-10-28 | 2025-10-27 |
| Absorbing clamp | Elektronik-Feinmechanik | MDS21 | MAX229 | 2024-10-28 | 2025-10-27 |
| LISN | R&S | ENV216 | 308 | 2024-10-28 | 2025-10-27 |
| LISN | R&S | ENV216 | 314 | 2024-10-28 | 2025-10-27 |

| Radiation Test equipment | | | | | |
|-------------------------------|--------------------------------|-----------------------------|------------|--------------|------------|
| Test Equipment | Manufacturer | Model | Serial No. | Date of Cal. | Due Date |
| 3m Semi- Anechoic Chamber | ZhongYu Electron | 9.2(L)*6.2(W)* 6.4(H) | MAX250 | 2024-10-28 | 2025-10-27 |
| Control Room | ZhongYu Electron | 6.2(L)*2.5(W)* 2.4(H) | MAX251 | N/A | N/A |
| EMI Test Receiver | Rohde & Schwarz | ESU26 | MAX203 | 2024-10-28 | 2025-10-27 |
| BiConiLog Antenna | SCHWARZBECK MESS-ELEKTRONIK | VULB9163 | MAX214 | 2024-10-28 | 2025-10-27 |
| Double -ridged waveguide horn | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120 D | MAX208 | 2024-10-28 | 2025-10-27 |
| Horn Antenna | ETS-LINDGREN | 3160 | MAX217 | 2024-10-28 | 2025-10-27 |
| EMI Test Software | AUDIX | E3 | N/A | N/A | N/A |
| Coaxial Cable | MAX | N/A | MAX213 | 2024-10-28 | 2025-10-27 |
| Coaxial Cable | MAX | N/A | MAX211 | 2024-10-28 | 2025-10-27 |
| Coaxial cable | MAX | N/A | MAX210 | 2024-10-28 | 2025-10-27 |
| Coaxial Cable | MAX | N/A | MAX212 | 2024-10-28 | 2025-10-27 |
| Amplifier(100kHz-3GHz) | HP | 8347A | MAX204 | 2024-10-28 | 2025-10-27 |
| Amplifier(2GHz-20GHz) | HP | 84722A | MAX206 | 2024-10-28 | 2025-10-27 |
| Amplifier (18-26GHz) | Rohde & Schwarz | AFS33-18002 650-30-8P-44 | MAX218 | 2024-10-28 | 2025-10-27 |
| Band filter | Amindeon | 82346 | MAX219 | 2024-10-28 | 2025-10-27 |
| Power Meter | Anritsu | ML2495A | MAX540 | 2024-10-28 | 2025-10-27 |
| Power Sensor | Anritsu | MA2411B | MAX541 | 2024-10-28 | 2025-10-27 |

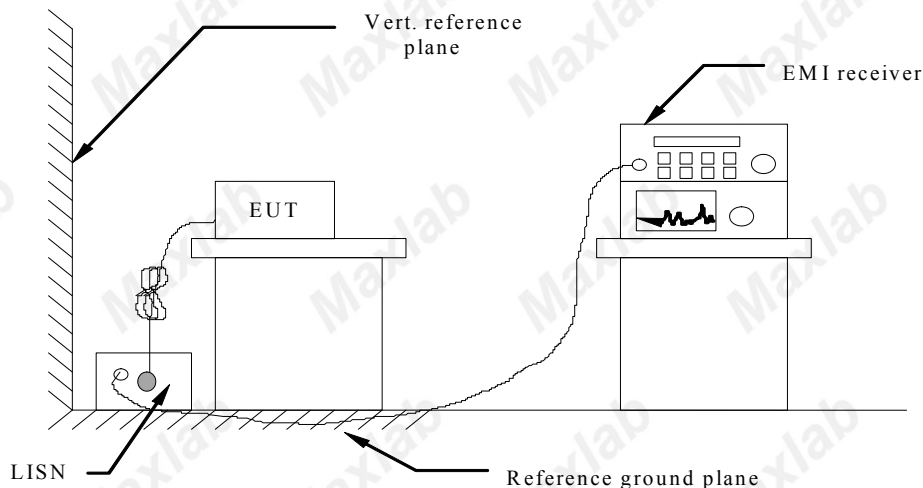
| | | | | | |
|-------------------------------------|-----------------|-----------|--------|------------|------------|
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500 | MAX575 | 2024-10-28 | 2025-10-27 |
| Splitter | Agilent | 11636B | MAX237 | 2024-10-28 | 2025-10-27 |
| Loop Antenna | ZHINAN | ZN30900A | MAX534 | 2024-10-28 | 2025-10-27 |
| Breitband hornantenne | SCHWARZBECK | BBHA 9170 | MAX579 | 2024-10-28 | 2025-10-27 |
| Amplifier | TDK | PA-02-02 | MAX574 | 2024-10-28 | 2025-10-27 |
| Amplifier | TDK | PA-02-03 | MAX576 | 2024-10-28 | 2025-10-27 |
| PSA Series Spectrum Analyzer | Rohde & Schwarz | FSP | MAX578 | 2024-10-28 | 2025-10-27 |

| RF Conducted Test: | | | | | |
|--|---------------------|------------------|-------------------|---------------------|-----------------|
| Test Equipment | Manufacturer | Model | Serial No. | Date of Cal. | Due Date |
| MXA Signal Analyzer | Agilent | N9020A | MAX566 | 2024-10-28 | 2025-10-27 |
| EMI Test Receiver | R&S | ESCI 7 | MAX552 | 2024-10-28 | 2025-10-27 |
| Spectrum Analyzer | Agilent | E4440A | MAX533 | 2024-10-28 | 2025-10-27 |
| MXG vector Signal Generator | Agilent | N5182A | MAX567 | 2024-10-28 | 2025-10-27 |
| ESG Analog Signal Generator | Agilent | E4428C | MAX568 | 2024-10-28 | 2025-10-27 |
| USB RF Power Sensor | DARE | RPR3006W | MAX569 | 2024-10-28 | 2025-10-27 |
| RF Switch Box | Shongyi | RFSW3003328 | MAX571 | 2024-10-28 | 2025-10-27 |
| Programmable Constant Temp & Humi Test Chamber | WEWON | WHTH-150L-40-880 | MAX572 | 2024-10-28 | 2025-10-27 |

4 TEST CONDITIONS AND RESULTS

4.1 AC Power Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10-2013.
- 2 Support equipment, if needed, was placed as per ANSI C63.10-2013
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10-2013
- 4 The EUT received power from adapter, the adapter received AC120V/60Hz and AC 240V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

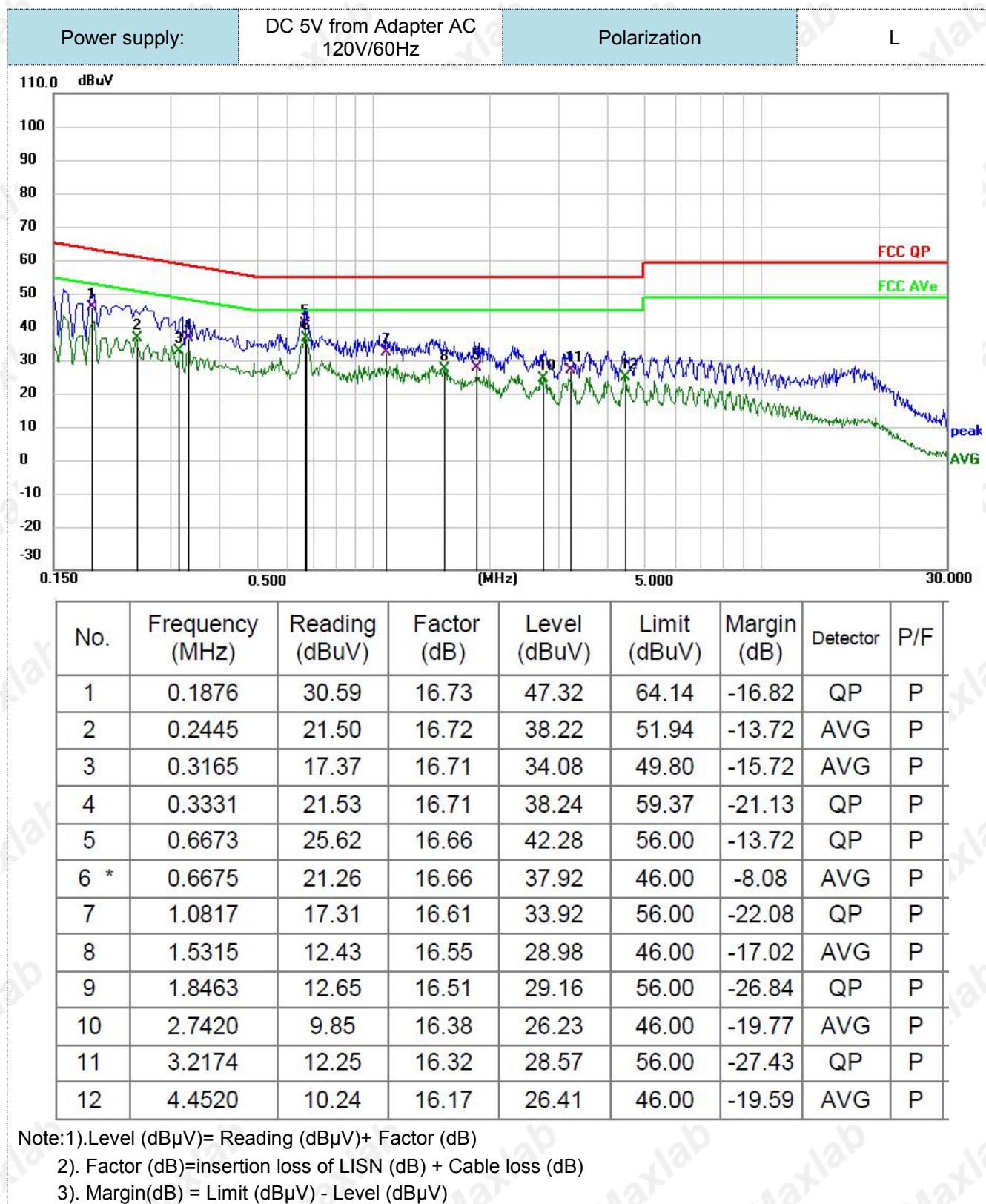
AC Power Conducted Emission Limit

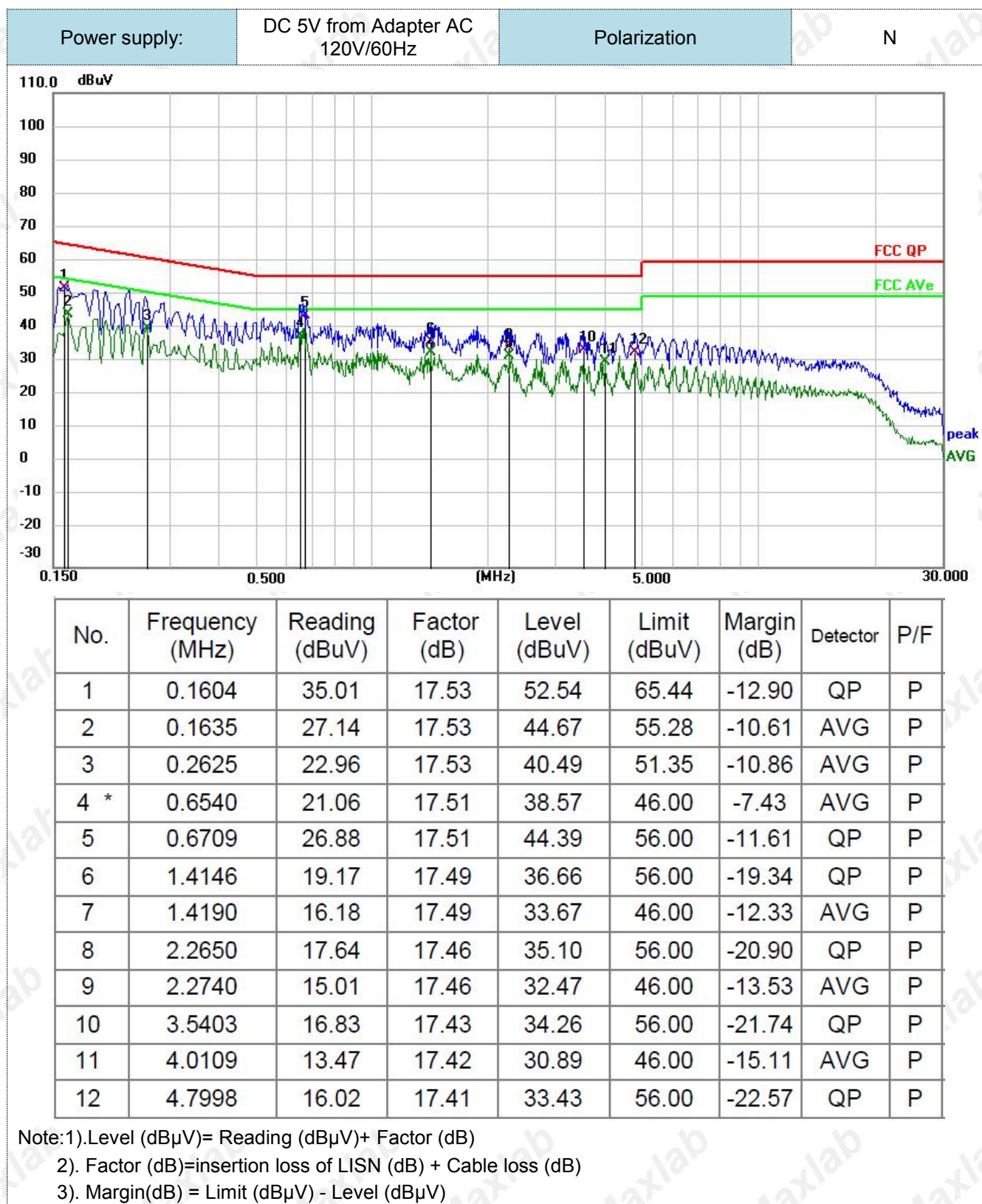
For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits is as following :

| Frequency range (MHz) | Limit (dBuV) | |
|-----------------------|--------------|-----------|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

* Decreases with the logarithm of the frequency.

TEST RESULTS

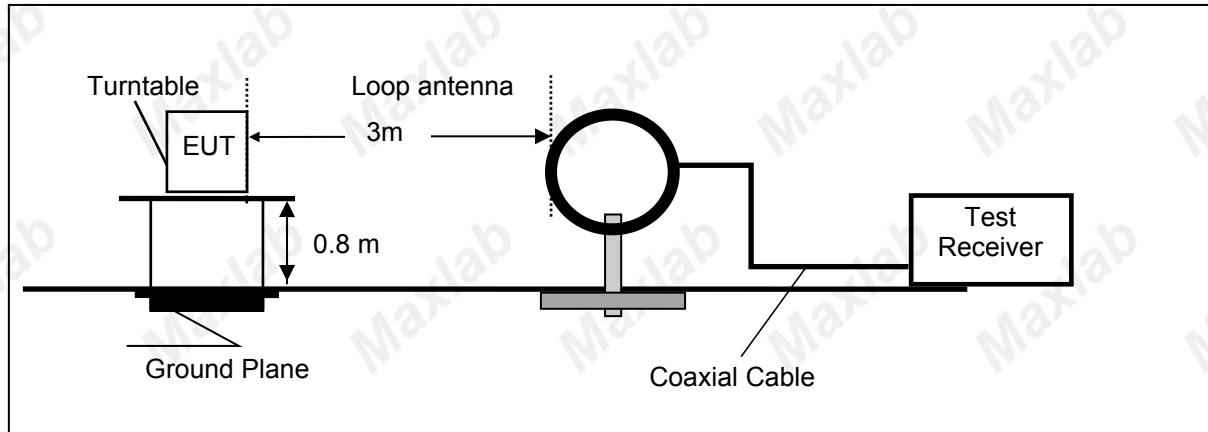




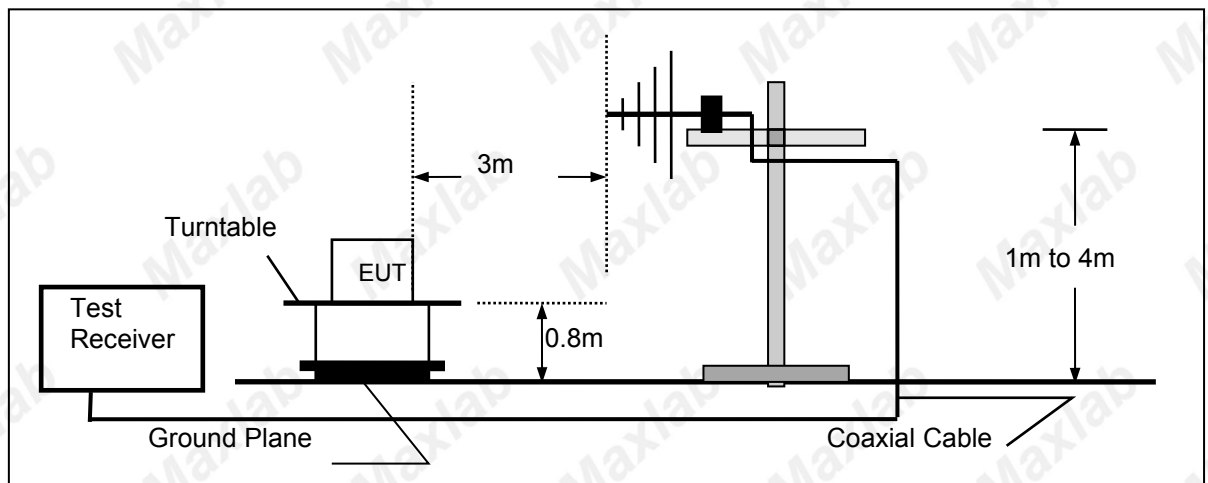
4.2 Radiated Emission

TEST CONFIGURATION

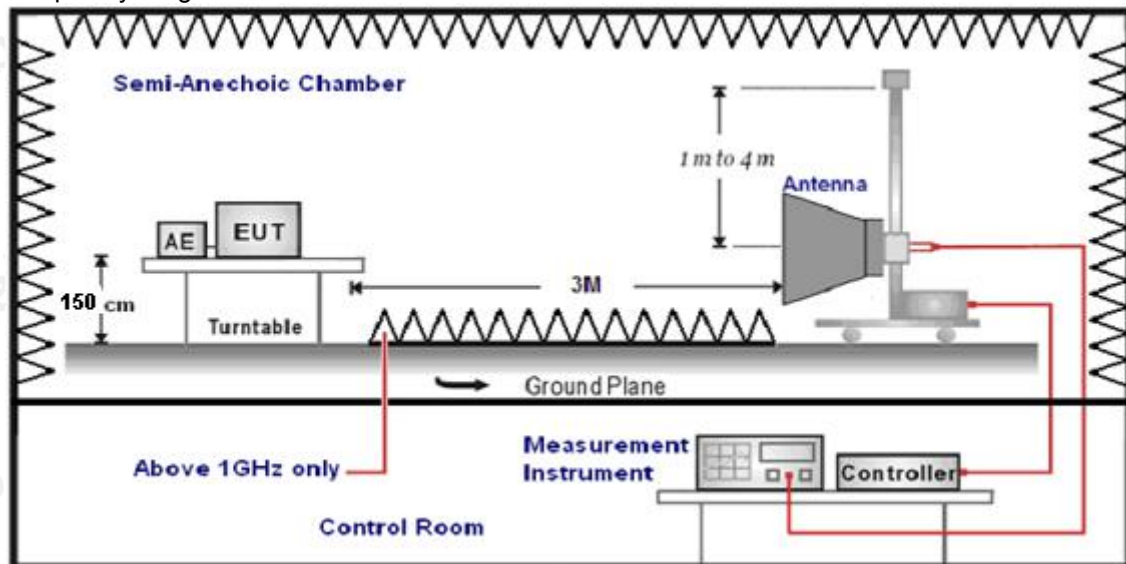
Frequency range 9KHz – 30MHz



Frequency range 30MHz – 1000MHz



Frequency range above 1GHz-25GHz



TEST PROCEDURE

1. The EUT was placed on a turn table which is 0.8m above ground plane when testing frequency range 9 KHz –1GHz;the EUT was placed on a turn table which is 1.5m above ground plane when testing frequency range 1GHz – 25GHz.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0° to 360° to acquire the highest emissions from EUT.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed.
5. Radiated emission test frequency band from 9KHz to 25GHz.
6. The distance between test antenna and EUT as following table states:

| Test Frequency range | Test Antenna Type | Test Distance |
|----------------------|----------------------------|---------------|
| 9KHz-30MHz | Active Loop Antenna | 3 |
| 30MHz-1GHz | Ultra-Broadband Antenna | 3 |
| 1GHz-18GHz | Double Ridged Horn Antenna | 3 |
| 18GHz-25GHz | Horn Antenna | 1 |

7. Setting test receiver/spectrum as following table states:

| Test Frequency range | Test Receiver/Spectrum Setting | Detector |
|----------------------|---|----------|
| 9KHz-150KHz | RBW=200Hz/VBW=3KHz, Sweep time=Auto | QP |
| 150KHz-30MHz | RBW=9KHz/VBW=100KHz, Sweep time=Auto | QP |
| 30MHz-1GHz | RBW=120KHz/VBW=1000KHz, Sweep time=Auto | QP |
| 1GHz-40GHz | Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto | Peak |

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

| | |
|---------------------------|--|
| Where FS = Field Strength | CL = Cable Attenuation Factor (Cable Loss) |
| RA = Reading Amplitude | AG = Amplifier Gain |
| AF = Antenna Factor | |

$$Transd=AF +CL-AG$$

RADIATION LIMIT

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission from intentional radiators at a distance of 3 meters shall not exceed the following table. According to § 15.247(d), in any 100kHz bandwidth outside the frequency band in which the EUT is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of desired power.

The pre-test have done for the EUT in three axes and found the worst emission at position shown in test setup photos.

| Frequency (MHz) | Distance (Meters) | Radiated (dBμV/m) | Radiated (μV/m) |
|-----------------|-------------------|--------------------------------------|-----------------|
| 0.009-0.49 | 3 | $20\log(2400/F(KHz))+40\log(300/3)$ | $2400/F(KHz)$ |
| 0.49-1.705 | 3 | $20\log(24000/F(KHz))+ 40\log(30/3)$ | $24000/F(KHz)$ |
| 1.705-30 | 3 | $20\log(30)+ 40\log(30/3)$ | 30 |
| 30-88 | 3 | 40.0 | 100 |

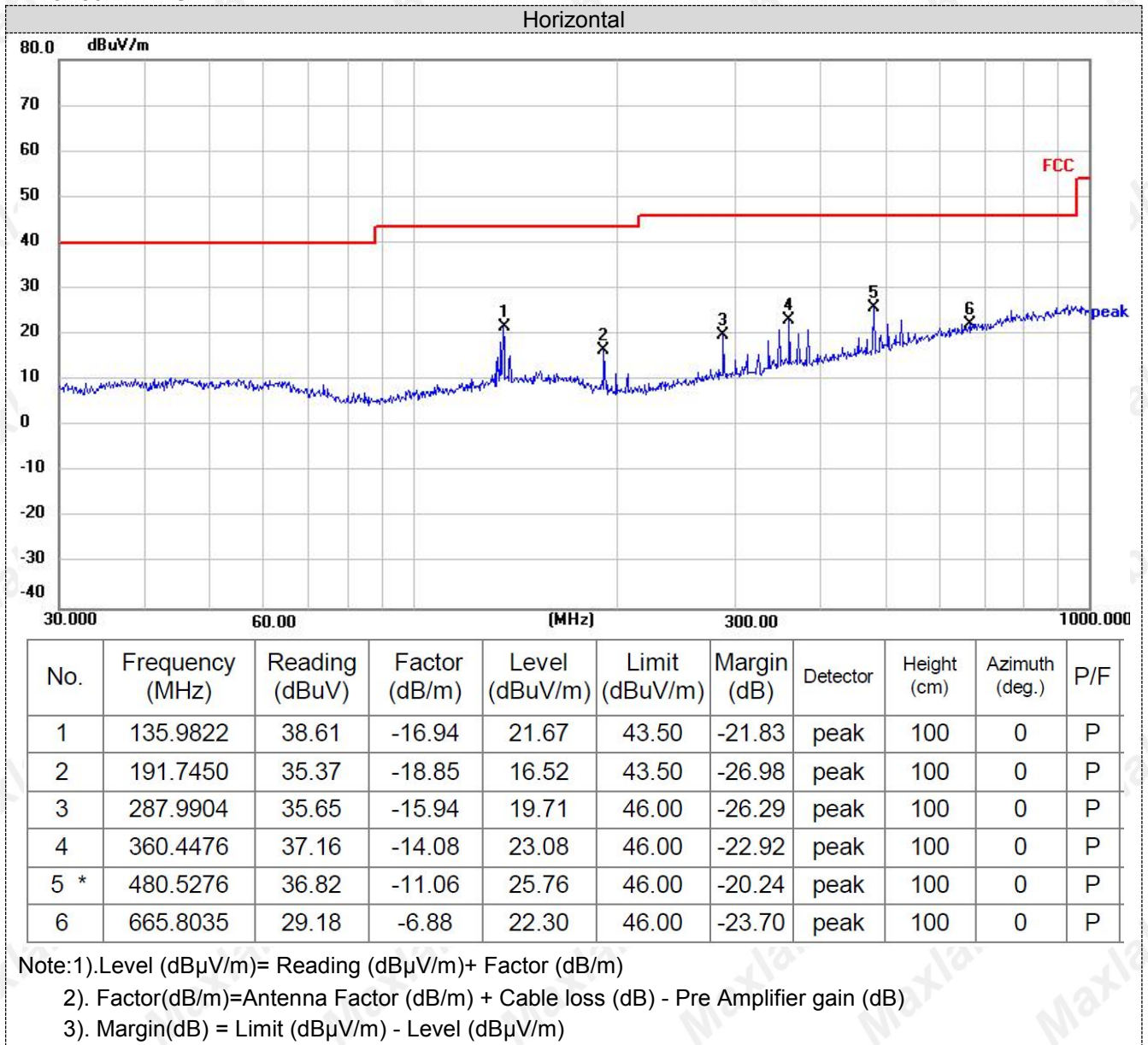
| | | | |
|-----------|---|------|-----|
| 88-216 | 3 | 43.5 | 150 |
| 216-960 | 3 | 46.0 | 200 |
| Above 960 | 3 | 54.0 | 500 |

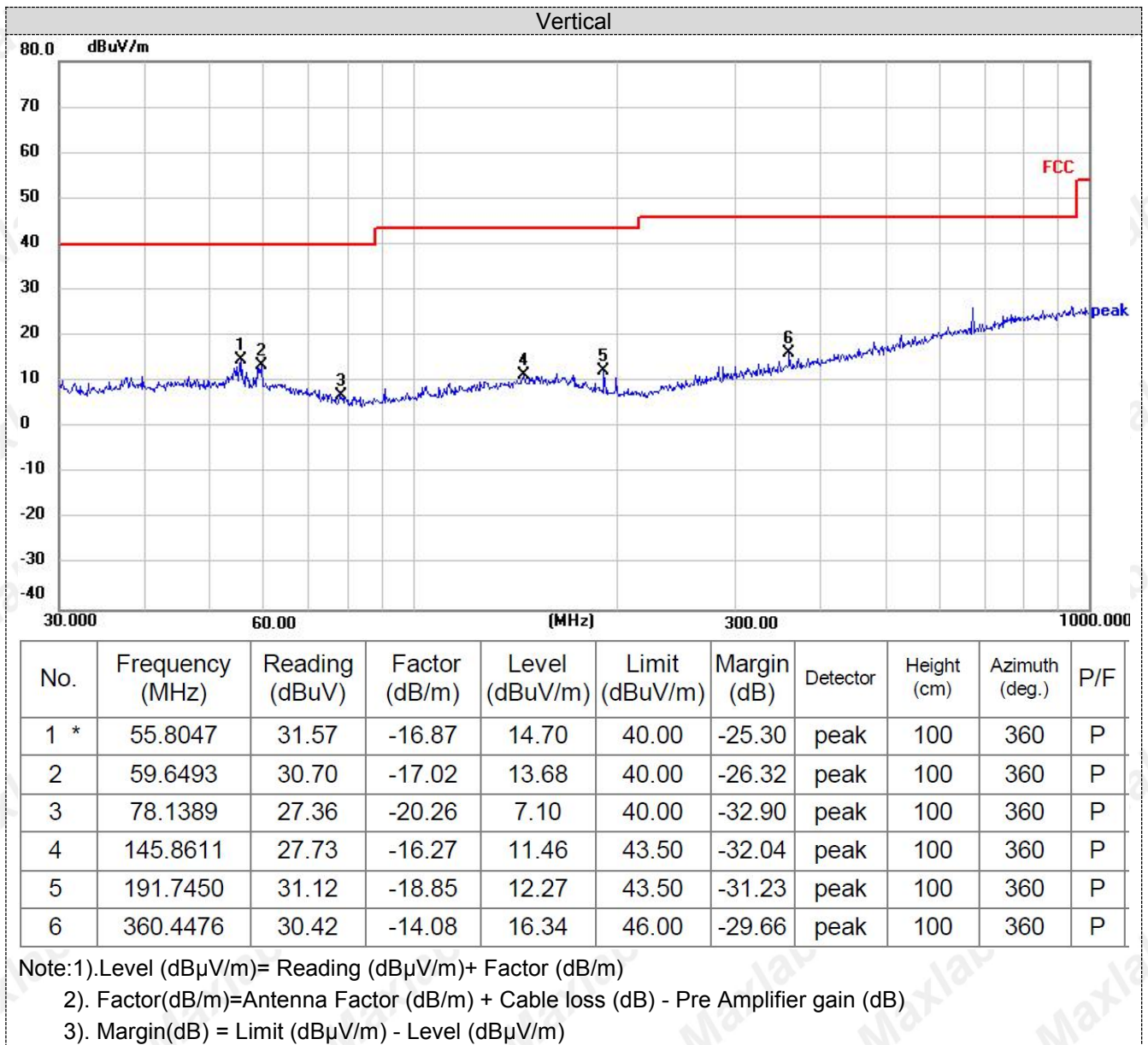
TEST RESULTS

Remark:

1. This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.
2. We measured Radiated Emission at GFSK, $\pi/4$ DQPSK and 8-DPSK mode from 9 KHz to 25GHz and recorded worst case at GFSK DH5 mode.
3. For below 1GHz testing recorded worst at GFSK DH5 middle channel.
4. Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, and no emission found except system noise floor in 9 KHz to 30MHz and not recorded in this report.

For 30MHz-1GHz





For 1GHz to 25GHz

Note: GFSK, $\pi/4$ DQPSK and 8-DPSK all have been tested, only worse case GFSK is reported.

GFSK (above 1GHz)

| Frequency(MHz): | | | 2402 | | Polarity: | | HORIZONTAL | | |
|-----------------|-------------------------|----|----------------|-------------|------------------|-----------------------|-------------------|--------------------|--------------------------|
| Frequency (MHz) | Emission Level (dBuV/m) | | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre-amplifier (dB) | Correction Factor (dB/m) |
| 4804.00 | 56.16 | PK | 74 | 17.84 | 60.52 | 32.40 | 5.11 | 41.87 | -4.36 |
| 4804.00 | 46.06 | AV | 54 | 7.94 | 50.42 | 32.40 | 5.11 | 41.87 | -4.36 |
| 7206.00 | 55.15 | PK | 74 | 18.85 | 55.78 | 36.58 | 6.43 | 43.64 | -0.63 |
| 7206.00 | 44.71 | AV | 54 | 9.29 | 45.34 | 36.58 | 6.43 | 43.64 | -0.63 |

| Frequency(MHz): | | | 2402 | | Polarity: | | VERTICAL | | |
|-----------------|-------------------------|----|----------------|-------------|------------------|-----------------------|-------------------|--------------------|--------------------------|
| Frequency (MHz) | Emission Level (dBuV/m) | | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre-amplifier (dB) | Correction Factor (dB/m) |
| 4804.00 | 56.50 | PK | 74 | 17.50 | 60.86 | 32.40 | 5.11 | 41.87 | -4.36 |
| 4804.00 | 46.10 | AV | 54 | 7.90 | 50.46 | 32.40 | 5.11 | 41.87 | -4.36 |
| 7206.00 | 54.61 | PK | 74 | 19.39 | 55.24 | 36.58 | 6.43 | 43.64 | -0.63 |
| 7206.00 | 44.69 | AV | 54 | 9.31 | 45.32 | 36.58 | 6.43 | 43.64 | -0.63 |

| Frequency(MHz): | | | 2441 | | Polarity: | | HORIZONTAL | | |
|-----------------|-------------------------|----|----------------|-------------|------------------|-----------------------|-------------------|--------------------|--------------------------|
| Frequency (MHz) | Emission Level (dBuV/m) | | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre-amplifier (dB) | Correction Factor (dB/m) |
| 4882.00 | 56.57 | PK | 74 | 17.43 | 60.52 | 32.56 | 5.34 | 41.85 | -3.95 |
| 4882.00 | 46.50 | AV | 54 | 7.50 | 50.45 | 32.56 | 5.34 | 41.85 | -3.95 |
| 7323.00 | 55.38 | PK | 74 | 18.62 | 55.74 | 36.54 | 6.81 | 43.71 | -0.36 |
| 7323.00 | 44.99 | AV | 54 | 9.01 | 45.35 | 36.54 | 6.81 | 43.71 | -0.36 |

| Frequency(MHz): | | | 2441 | | Polarity: | | VERTICAL | | |
|-----------------|-------------------------|----|----------------|-------------|------------------|-----------------------|-------------------|--------------------|--------------------------|
| Frequency (MHz) | Emission Level (dBuV/m) | | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre-amplifier (dB) | Correction Factor (dB/m) |
| 4882.00 | 56.29 | PK | 74 | 17.71 | 60.24 | 32.56 | 5.34 | 41.85 | -3.95 |
| 4882.00 | 46.80 | AV | 54 | 7.20 | 50.75 | 32.56 | 5.34 | 41.85 | -3.95 |
| 7323.00 | 55.27 | PK | 74 | 18.73 | 55.63 | 36.54 | 6.81 | 43.71 | -0.36 |
| 7323.00 | 45.49 | AV | 54 | 8.51 | 45.85 | 36.54 | 6.81 | 43.71 | -0.36 |

| Frequency(MHz): | | | 2480 | | Polarity: | | HORIZONTAL | | |
|-----------------|-------------------------|----|----------------|-------------|------------------|-----------------------|-------------------|--------------------|--------------------------|
| Frequency (MHz) | Emission Level (dBuV/m) | | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre-amplifier (dB) | Correction Factor (dB/m) |
| 4960.00 | 57.17 | PK | 74 | 16.83 | 60.63 | 32.73 | 5.64 | 41.83 | -3.46 |
| 4960.00 | 47.28 | AV | 54 | 6.72 | 50.74 | 32.73 | 5.64 | 41.83 | -3.46 |
| 7440.00 | 55.40 | PK | 74 | 18.60 | 55.46 | 36.50 | 7.23 | 43.79 | -0.06 |
| 7440.00 | 45.90 | AV | 54 | 8.10 | 45.96 | 36.50 | 7.23 | 43.79 | -0.06 |

| Frequency(MHz): | | | 2480 | | Polarity: | | VERTICAL | | |
|-----------------|-------------------------|----|----------------|-------------|------------------|-----------------------|-------------------|--------------------|--------------------------|
| Frequency (MHz) | Emission Level (dBuV/m) | | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre-amplifier (dB) | Correction Factor (dB/m) |
| 4960.00 | 56.96 | PK | 74 | 17.04 | 60.42 | 32.73 | 5.64 | 41.83 | -3.46 |
| 4960.00 | 46.88 | AV | 54 | 7.12 | 50.34 | 32.73 | 5.64 | 41.83 | -3.46 |
| 7440.00 | 55.68 | PK | 74 | 18.32 | 55.74 | 36.50 | 7.23 | 43.79 | -0.06 |
| 7440.00 | 45.20 | AV | 54 | 8.80 | 45.26 | 36.50 | 7.23 | 43.79 | -0.06 |

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier
3. Margin value = Limit value - Emission level.
4. -- Mean the PK detector measured value is below average limit.
5. The other emission levels were very low against the limit.

Results of Band Edges Test (Radiated)

Note: GFSK, Pi/4 DQPSK and 8-DPSK all have been tested, only worse case GFSK is reported.

GFSK

| Test Frequency(MHz): | | | Lowest channel | | Polarity: | | HORIZONTAL | | |
|----------------------|-------------------------|----|----------------|-------------|------------------|-----------------------|-------------------|--------------------|--------------------------|
| Frequency (MHz) | Emission Level (dBuV/m) | | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre-amplifier (dB) | Correction Factor (dB/m) |
| 2310.00 | 50.43 | PK | 74 | 23.57 | 60.85 | 27.42 | 4.31 | 42.15 | -10.42 |
| 2310.00 | 40.00 | AV | 54 | 14.00 | 50.42 | 27.42 | 4.31 | 42.15 | -10.42 |
| 2390.00 | 48.36 | PK | 74 | 25.64 | 58.65 | 27.55 | 4.35 | 42.19 | -10.29 |
| 2390.00 | 37.87 | AV | 54 | 16.13 | 48.16 | 27.55 | 4.35 | 42.19 | -10.29 |
| 2400.00 | 46.35 | PK | 74 | 27.65 | 56.54 | 27.70 | 4.39 | 42.28 | -10.19 |
| 2400.00 | 35.66 | AV | 54 | 18.34 | 45.85 | 27.70 | 4.39 | 42.28 | -10.19 |

| Test Frequency(MHz): | | | Lowest channel | | Polarity: | | VERTICAL | | |
|----------------------|-------------------------|----|----------------|-------------|------------------|-----------------------|-------------------|--------------------|--------------------------|
| Frequency (MHz) | Emission Level (dBuV/m) | | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre-amplifier (dB) | Correction Factor (dB/m) |
| 2310.00 | 47.84 | PK | 74 | 26.16 | 58.26 | 27.42 | 4.31 | 42.15 | -10.42 |
| 2310.00 | 37.84 | AV | 54 | 16.16 | 48.26 | 27.42 | 4.31 | 42.15 | -10.42 |
| 2390.00 | 45.36 | PK | 74 | 28.64 | 55.65 | 27.55 | 4.35 | 42.19 | -10.29 |
| 2390.00 | 35.45 | AV | 54 | 18.55 | 45.74 | 27.55 | 4.35 | 42.19 | -10.29 |
| 2400.00 | 43.07 | PK | 74 | 30.93 | 53.26 | 27.70 | 4.39 | 42.28 | -10.19 |
| 2400.00 | 32.67 | AV | 54 | 21.33 | 42.86 | 27.70 | 4.39 | 42.28 | -10.19 |

| Test Frequency(MHz): | | | Highest channel | | Polarity: | | HORIZONTAL | | |
|----------------------|-------------------------|----|-----------------|-------------|------------------|-----------------------|-------------------|--------------------|--------------------------|
| Frequency (MHz) | Emission Level (dBuV/m) | | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre-amplifier (dB) | Correction Factor (dB/m) |
| 2483.50 | 44.82 | PK | 74 | 29.18 | 55.45 | 27.55 | 4.38 | 42.56 | -10.63 |
| 2483.50 | 35.22 | AV | 54 | 18.78 | 45.85 | 27.55 | 4.38 | 42.56 | -10.63 |
| 2500.00 | 42.68 | PK | 74 | 31.32 | 53.41 | 27.69 | 4.46 | 42.88 | -10.73 |
| 2500.00 | 32.53 | AV | 54 | 21.47 | 43.26 | 27.69 | 4.46 | 42.88 | -10.73 |

| Test Frequency(MHz): | | | Highest channel | | Polarity: | | VERTICAL | | |
|----------------------|-------------------------|----|-----------------|-------------|------------------|-----------------------|-------------------|--------------------|--------------------------|
| Frequency (MHz) | Emission Level (dBuV/m) | | Limit (dBuV/m) | Margin (dB) | Raw Value (dBuV) | Antenna Factor (dB/m) | Cable Factor (dB) | Pre-amplifier (dB) | Correction Factor (dB/m) |
| 2483.50 | 42.71 | PK | 74 | 31.29 | 53.34 | 27.55 | 4.38 | 42.56 | -10.63 |
| 2483.50 | 32.83 | AV | 54 | 21.17 | 43.46 | 27.55 | 4.38 | 42.56 | -10.63 |
| 2500.00 | 39.69 | PK | 74 | 34.31 | 50.42 | 27.69 | 4.46 | 42.88 | -10.73 |
| 2500.00 | 29.86 | AV | 54 | 24.14 | 40.59 | 27.69 | 4.46 | 42.88 | -10.73 |

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier
3. Margin value = Limit value - Emission level.
4. -- Mean the PK detector measured value is below average limit.
5. The other emission levels were very low against the limit.

4.3 Maximum Peak Output Power

Limit

The Maximum Peak Output Power Measurement is 30dBm(for GFSK)/20.97dBm(for EDR)

Test Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 3MHz. VBW = 8MHz. Sweep = auto; Detector Function = Peak.
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

Test Configuration

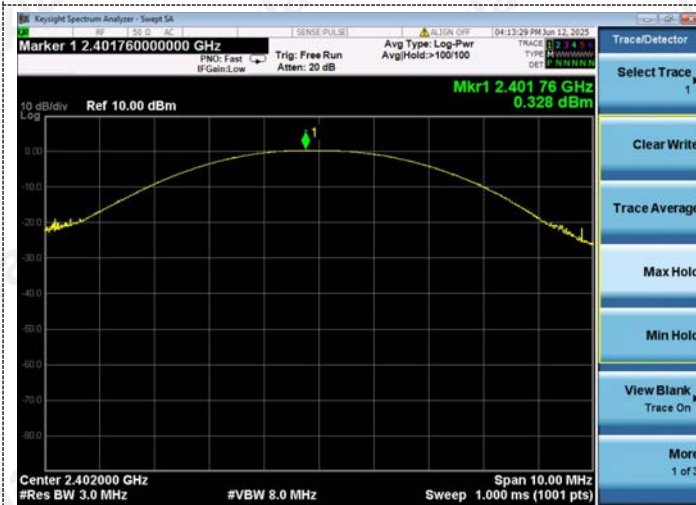


Test Results

| Type | Channel | Output power (dBm) | Limit (dBm) | Result |
|---------------|---------|--------------------|-------------|--------|
| GFSK | 00 | 0.328 | 30.00 | Pass |
| | 39 | -0.266 | | |
| | 78 | -0.695 | | |
| $\pi/4$ DQPSK | 00 | 0.592 | 20.97 | Pass |
| | 39 | 0.035 | | |
| | 78 | -0.437 | | |
| 8-DPSK | 00 | 0.761 | 20.97 | Pass |
| | 39 | 0.233 | | |
| | 78 | -0.189 | | |

Note: 1.The test results including the cable lose.

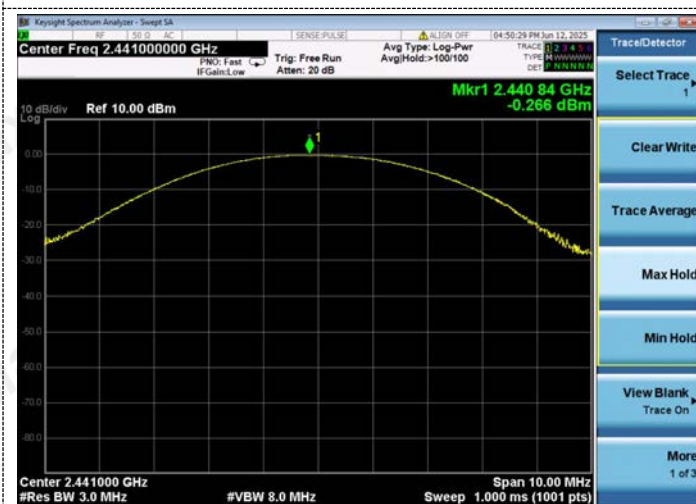
GFSK(CH00)



π /4DQPSK (CH00)



GFSK(CH39)



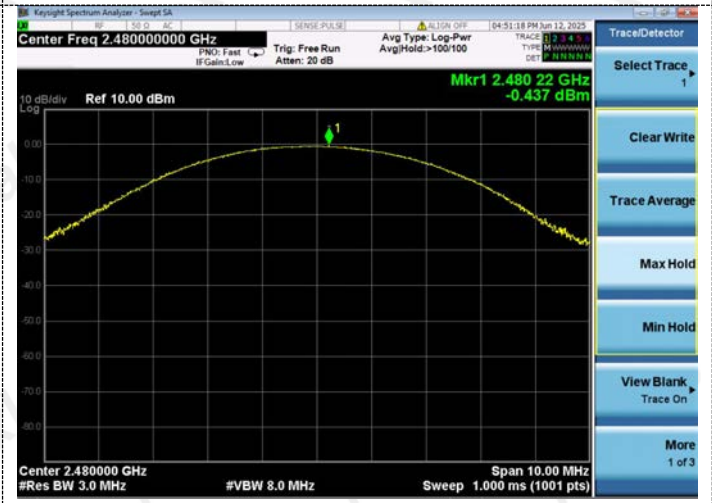
π /4DQPSK (CH39)



GFSK(CH78)



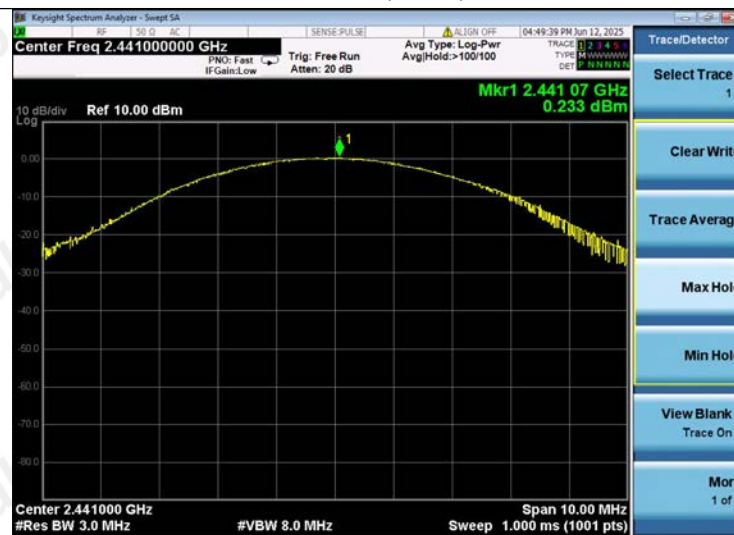
π /4DQPSK (CH78)



8-DPSK(CH00)



8-DPSK(CH39)



8-DPSK(CH78)



4.4 20dB Bandwidth

Limit

For frequency hopping systems operating in the 2400MHz-2483.5MHz no limit for 20dB bandwidth.

Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30 KHz RBW and 100 KHz VBW.

The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

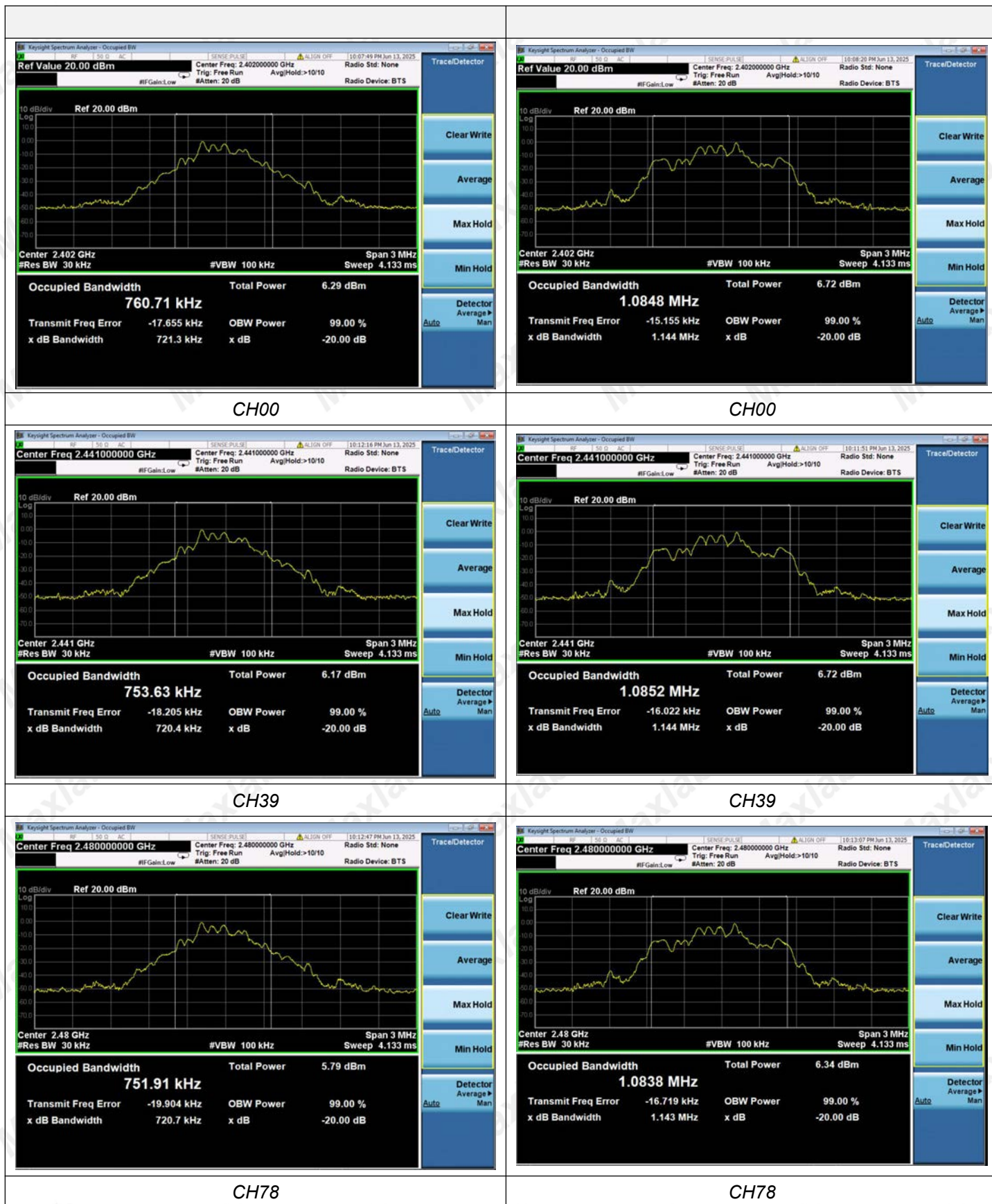
Test Configuration



Test Results

| Modulation | Channel | 20dB bandwidth (MHz) | Result |
|---------------|---------|----------------------|--------|
| GFSK | CH00 | 0.721 | Pass |
| | CH39 | 0.720 | |
| | CH78 | 0.721 | |
| $\pi/4$ DQPSK | CH00 | 1.144 | |
| | CH39 | 1.144 | |
| | CH78 | 1.143 | |
| 8-DPSK | CH00 | 1.105 | |
| | CH39 | 1.106 | |
| | CH78 | 1.105 | |

Test plot as follows:



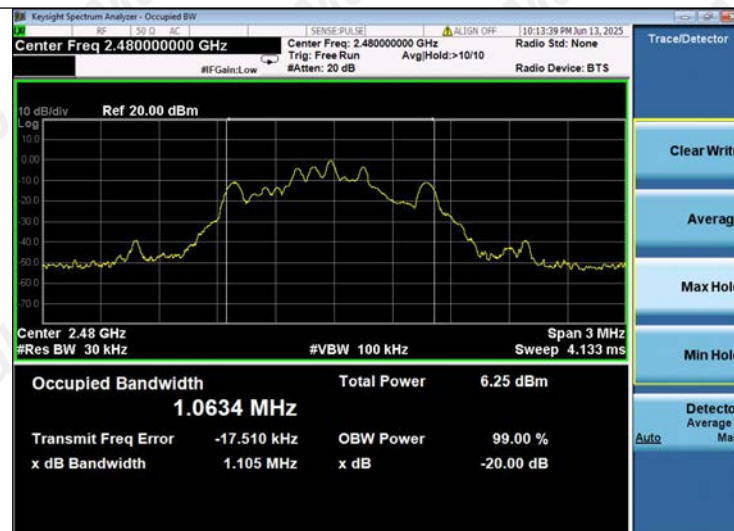
8-DPSK Modulation



CH00



CH39



CH78

4.5 Frequency Separation

LIMIT

According to 15.247(a)(1), frequency hopping systems shall have hopping channel carrier frequencies separated by minimum of 25KHz or the $2/3 \times 20\text{dB}$ bandwidth of the hopping channel, whichever is greater.

TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100 KHz RBW and 300 KHz VBW.

TEST CONFIGURATION



TEST RESULTS

| Modulation | Channel | Channel Separation (MHz) | Limit(MHz) | Result |
|---------------|---------|--------------------------|------------|--------|
| GFSK | CH38 | 1.000 | 0.721 | Pass |
| | CH39 | | | |
| $\pi/4$ DQPSK | CH38 | 1.006 | 0.763 | Pass |
| | CH39 | | | |
| 8-DPSK | CH38 | 1.006 | 0.737 | Pass |
| | CH39 | | | |

Note:

We have tested all mode at high, middle and low channel, and recorded worst case at middle

Test plot as follows:



GFSK



$\pi/4$ DQPSK



8-DPSK

4.6 Number of hopping frequency

Limit

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels.

Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. Set spectrum analyzer start 2400MHz to 2483.5MHz with 100 KHz RBW and 300 KHz VBW.

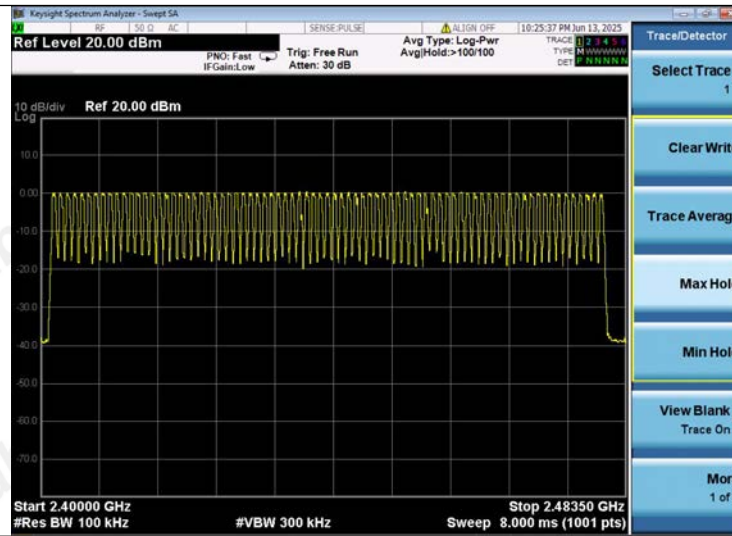
Test Configuration



Test Results

| Modulation | Number of Hopping Channel | Limit | Result |
|---------------|---------------------------|-------|--------|
| GFSK | 79 | ≥15 | Pass |
| $\pi/4$ DQPSK | 79 | | |
| 8-DPSK | 79 | | |

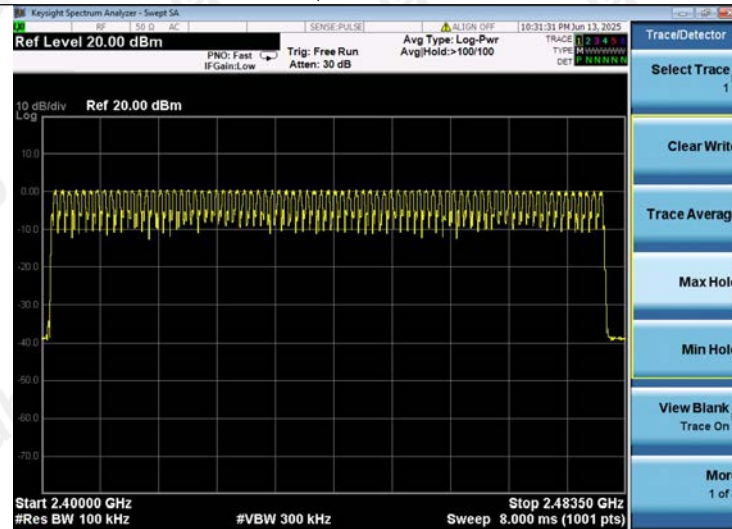
Test plot as follows:



GFSK Modulation



$\pi/4$ DQPSK Modulation



8-DPSK Modulation

4.7 Time of Occupancy (Dwell Time)

Limit

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

Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. Set center frequency of spectrum analyzer=operating frequency with 1MHz RBW and 3MHz VBW, Span 0Hz.

Test Configuration



Test Results

| Modulation | Packet | Burst time (ms) | Dwell time (s) | Limit (s) | Result |
|---------------|--------|-----------------|----------------|-----------|--------|
| GFSK | DH1 | 0.390 | 0.125 | 0.40 | Pass |
| | DH3 | 1.645 | 0.263 | | |
| | DH5 | 2.890 | 0.308 | | |
| $\pi/4$ DQPSK | 2-DH1 | 0.405 | 0.130 | 0.40 | Pass |
| | 2-DH3 | 1.650 | 0.264 | | |
| | 2-DH5 | 2.910 | 0.310 | | |
| 8-DPSK | 3-DH1 | 0.400 | 0.128 | 0.40 | Pass |
| | 3-DH3 | 1.655 | 0.265 | | |
| | 3-DH5 | 2.890 | 0.308 | | |

Note: We have tested all mode at high, middle and low channel, and recorded worst case at middle channel.

Dwell time = Pulse time (ms) \times (1600 \div 2 \div 79) \times 31.6 Second for DH1, 2-DH1, 3-DH1

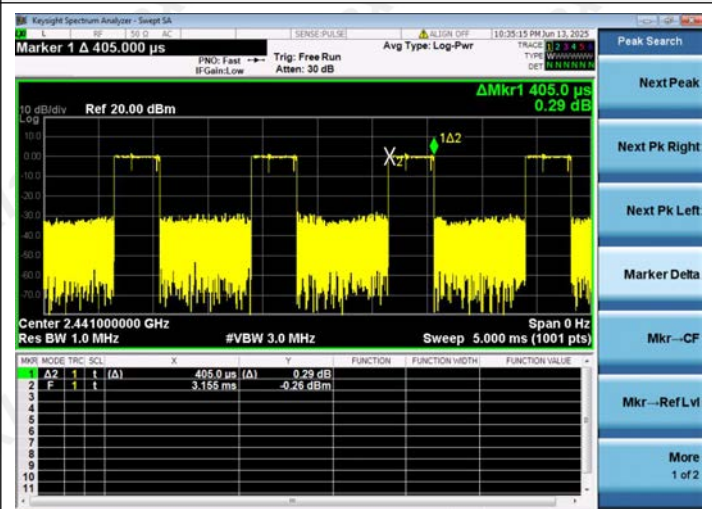
Dwell time = Pulse time (ms) \times (1600 \div 4 \div 79) \times 31.6 Second for DH3, 2-DH3, 3-DH2

Dwell time = Pulse time (ms) \times (1600 \div 6 \div 79) \times 31.6 Second for DH5, 2-DH5, 3-DH3

GFSK Modulation



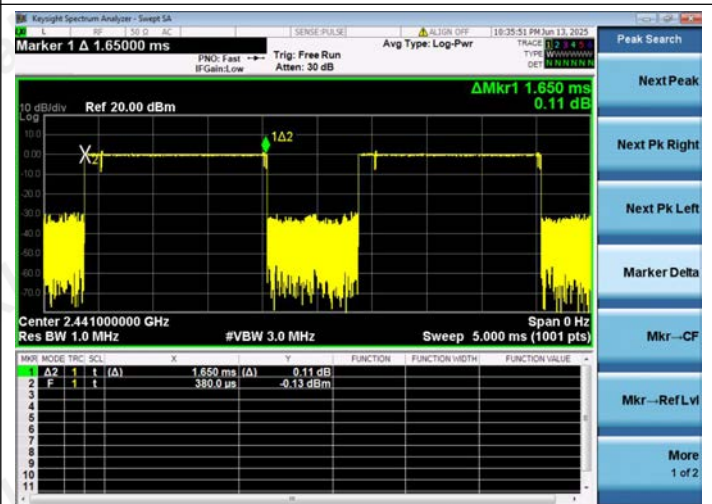
π/4DQPSK Modulation



DH1 burst time



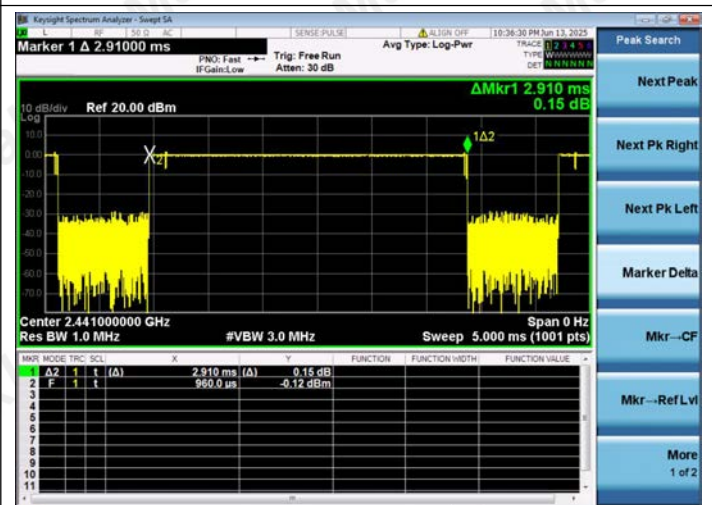
2-DH1 burst time



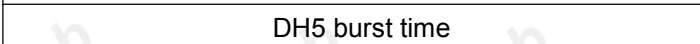
DH3 burst time



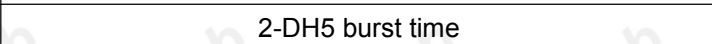
2-DH3 burst time



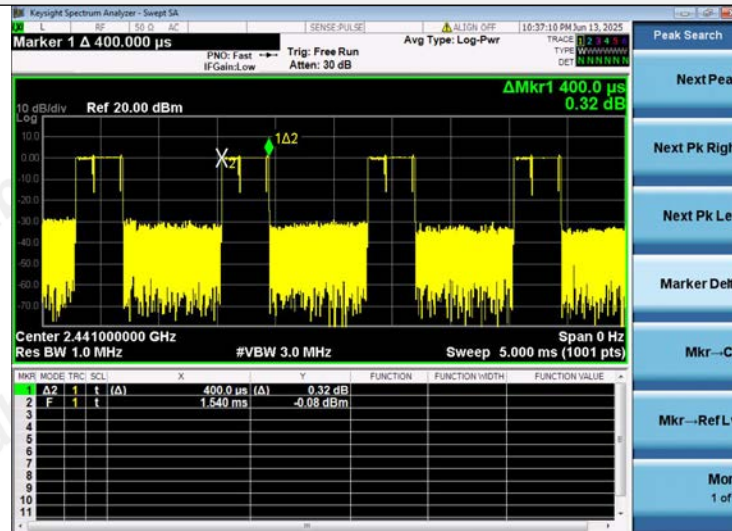
DH5 burst time



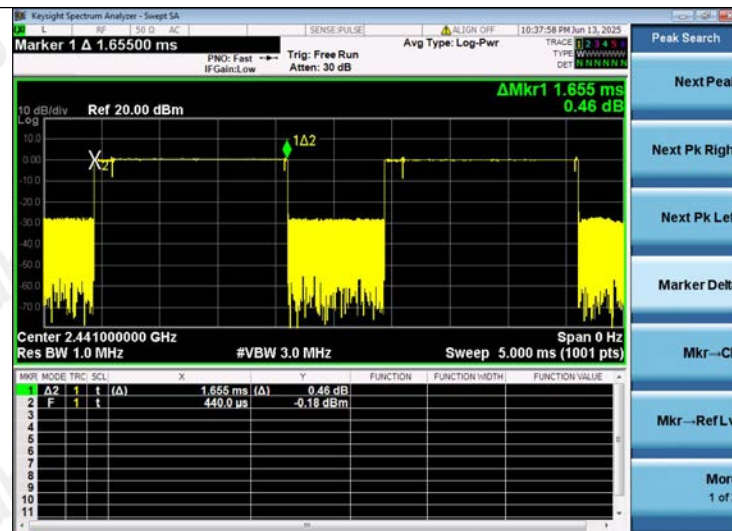
2-DH5 burst time



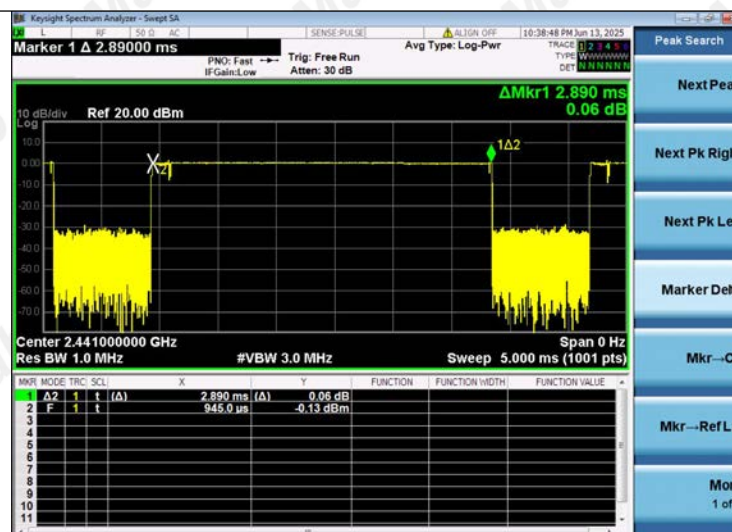
8-DPSK Modulation



3-DH1 burst time



3-DH3 burst time



3-DH5 burst time

4.8 Out-of-band Emissions

Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

Test Procedure

Connect the transmitter output to spectrum analyzer using a low loss RF cable, and set the spectrum analyzer to RBW=100 kHz, VBW= 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, band edge and out-of-band emissions.

Test Configuration



Test Results

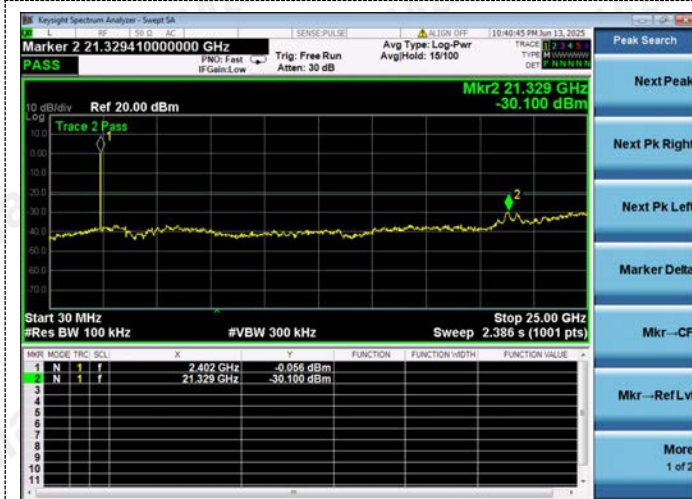
Remark: The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and band edge measurement data.

We measured all conditions (DH1, DH3, DH5) and recorded worst case at DH5

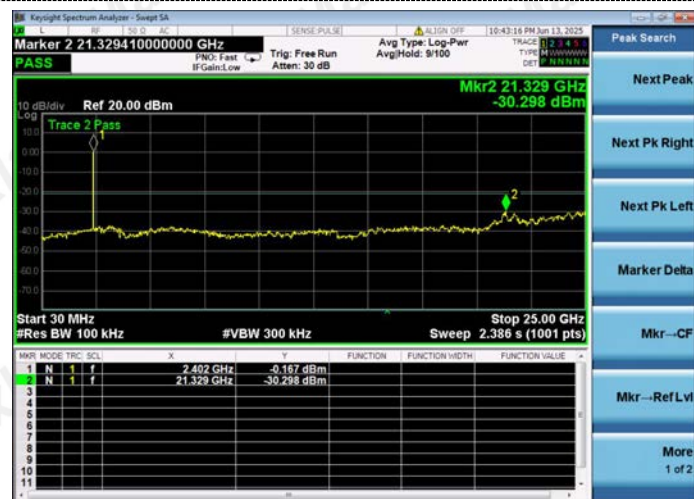
Test plot as follows:

30MHz-25G

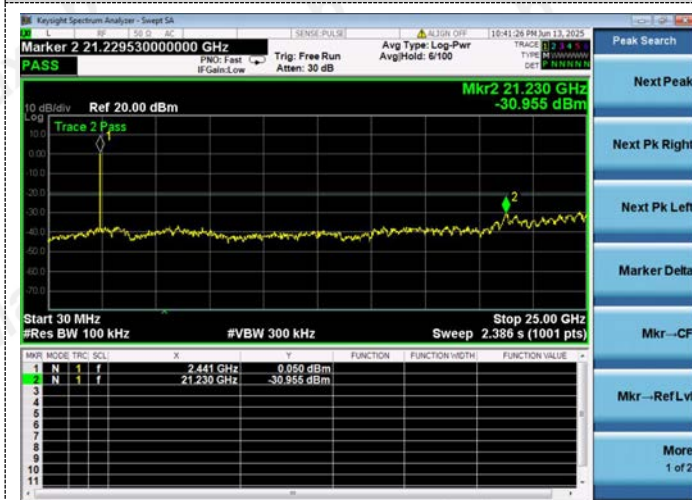
GFSK(CH00)



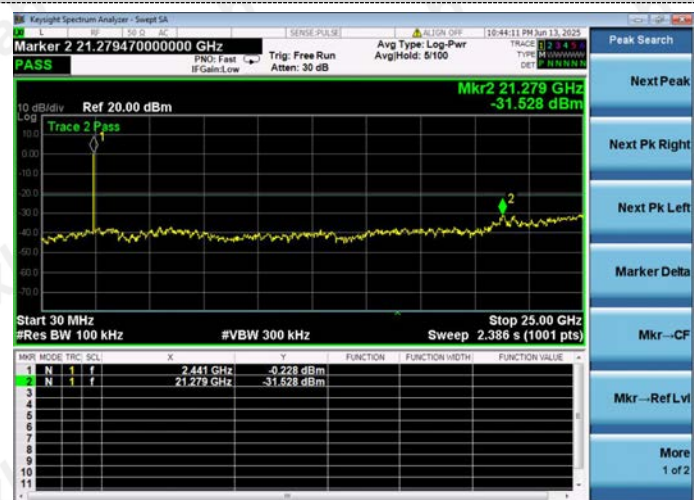
$\pi/4$ DQPSK (CH00)



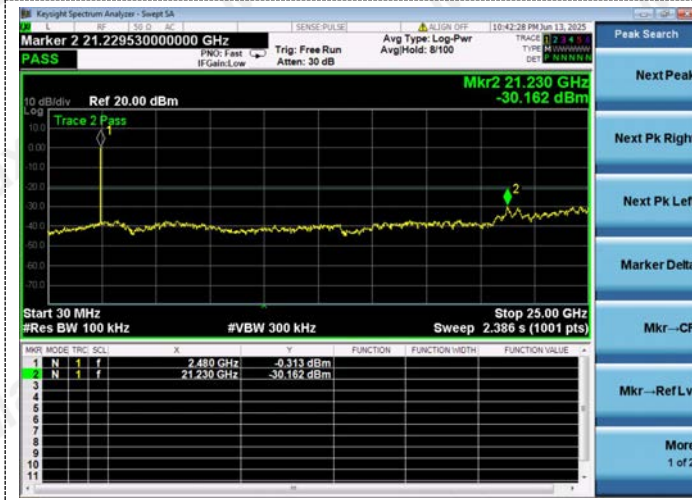
GFSK(CH39)



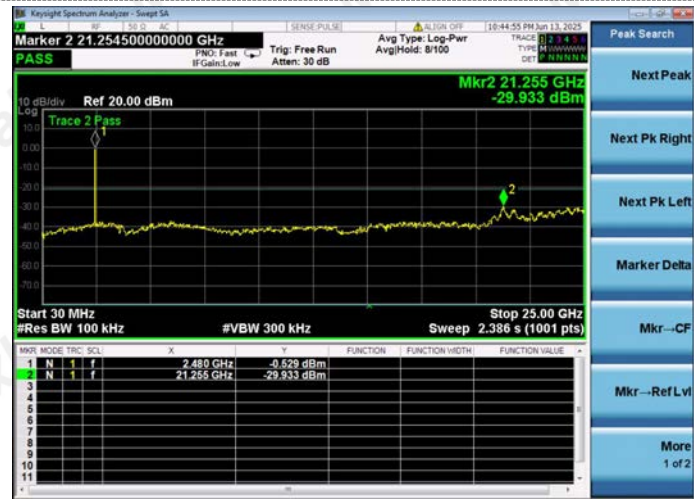
$\pi/4$ DQPSK (CH39)



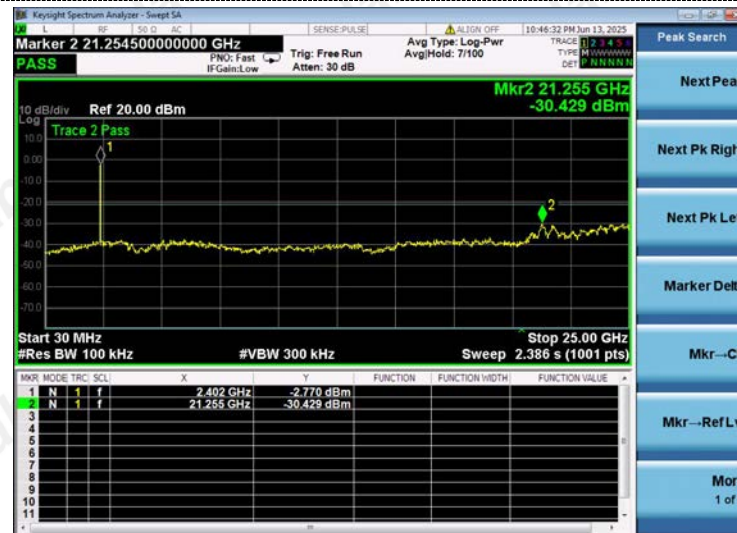
GFSK(CH78)



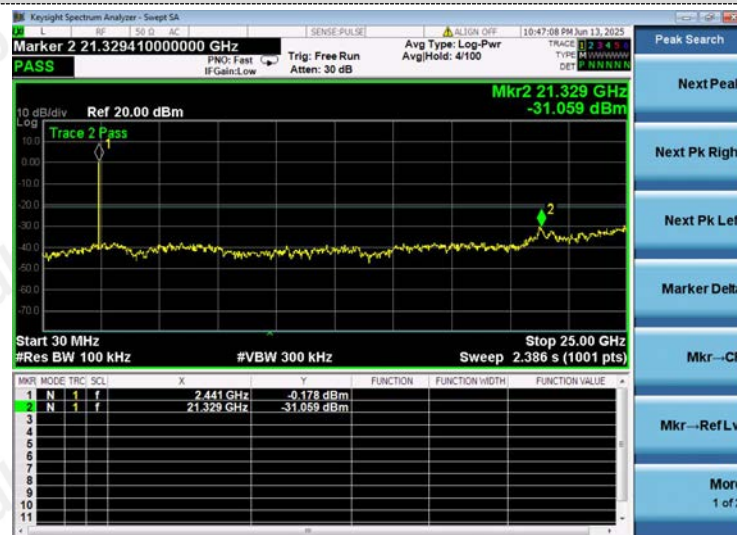
$\pi/4$ DQPSK (CH78)



8-DPSK(CH00)



8-DPSK(CH39)

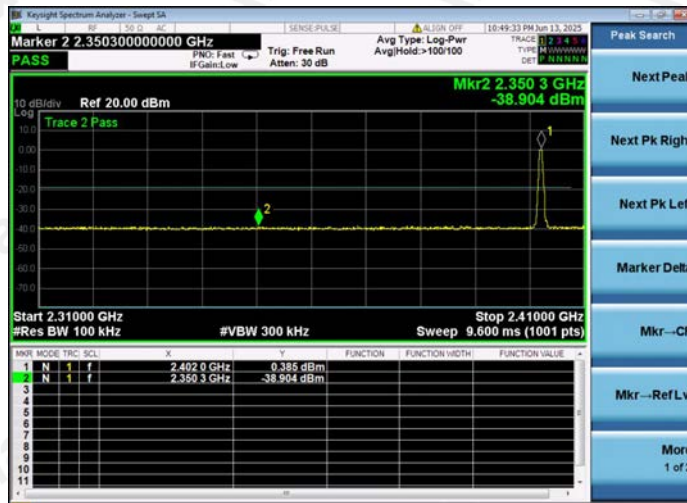


8-DPSK(CH78)

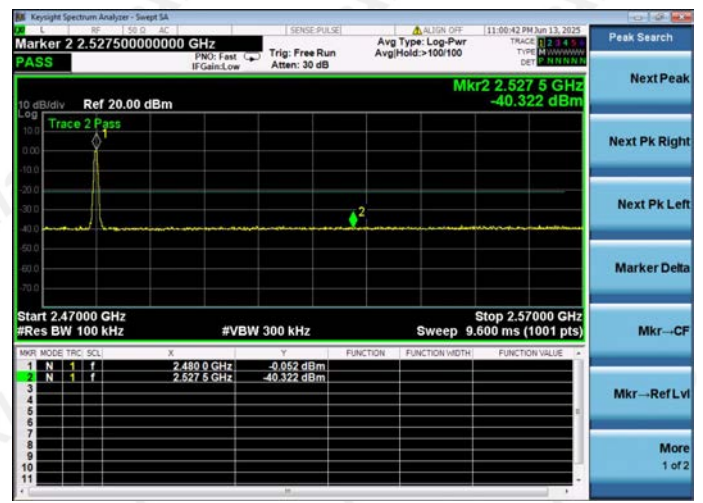


Band-edge Measurements for RF Conducted Emissions:

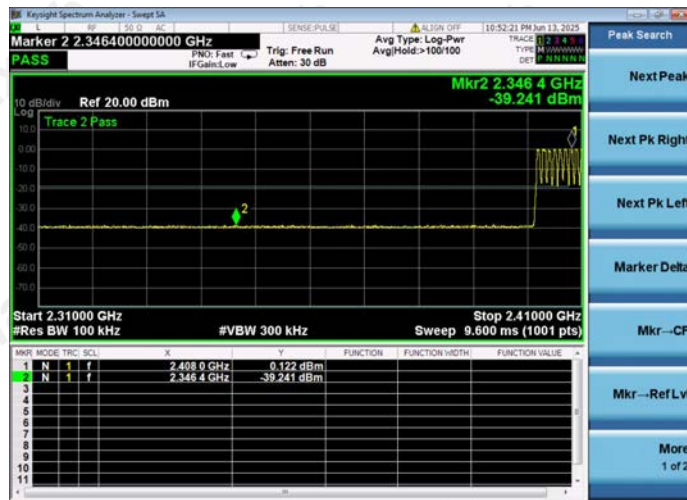
GFSK



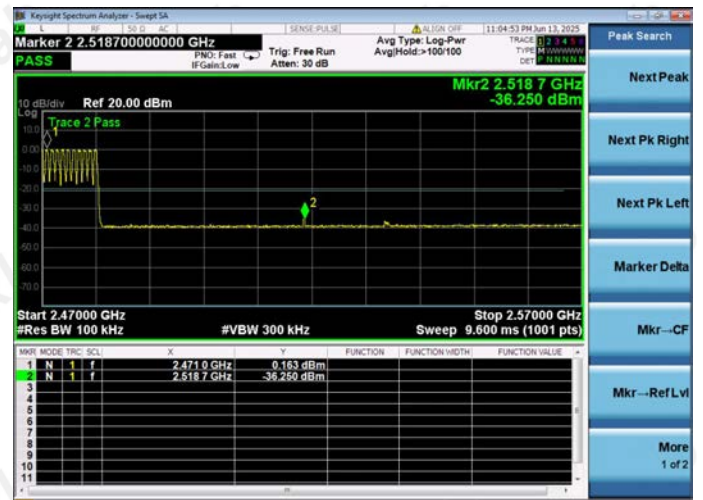
Left Band edge hopping off



Right Band edge hopping off

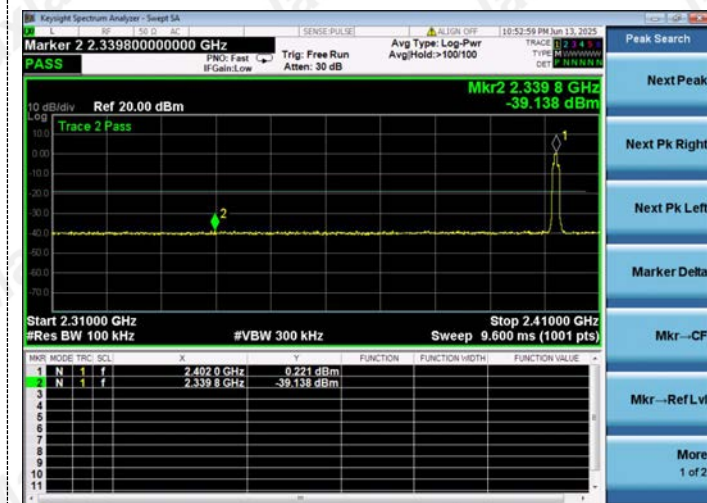


Left Band edge hopping on

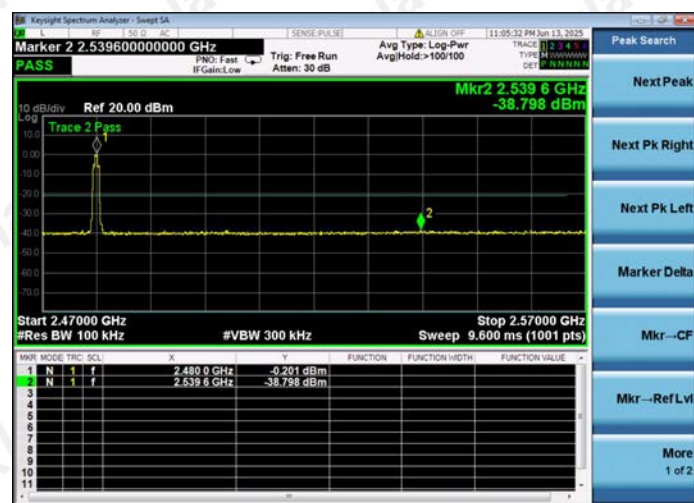


Right Band edge hopping on

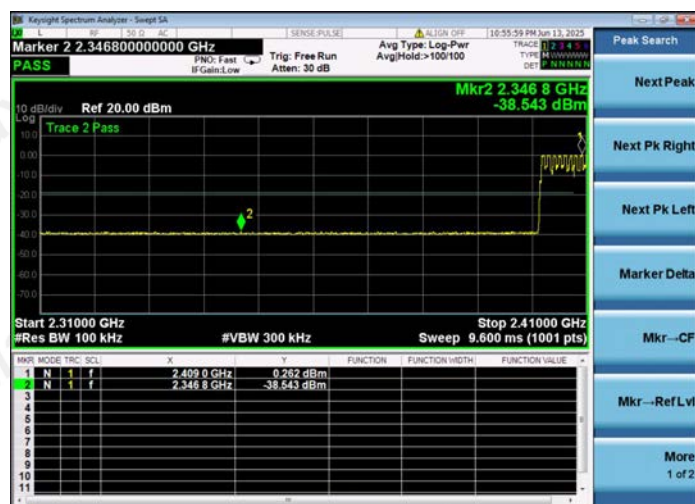
$\pi/4$ DQPSK



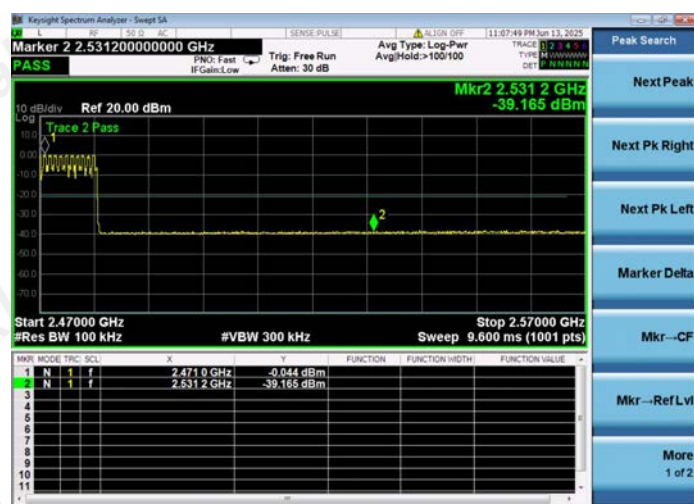
Left Band edge hopping off



Right Band edge hopping off

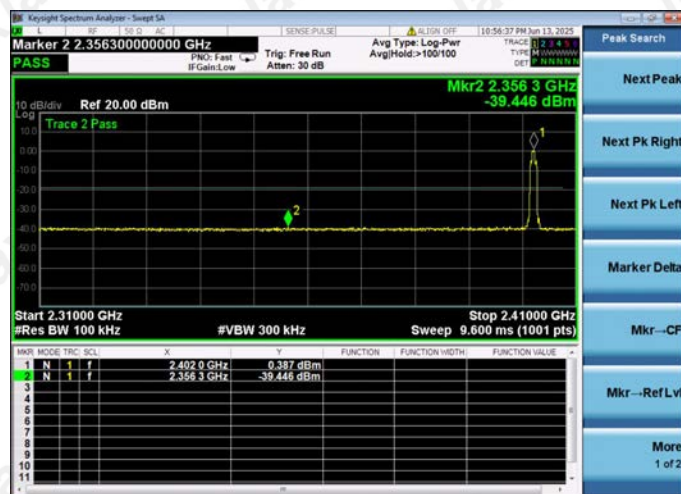


Left Band edge hopping on

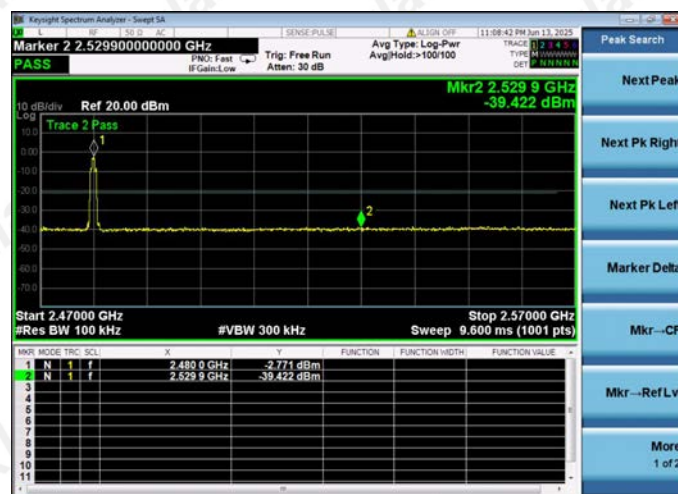


Right Band edge hopping on

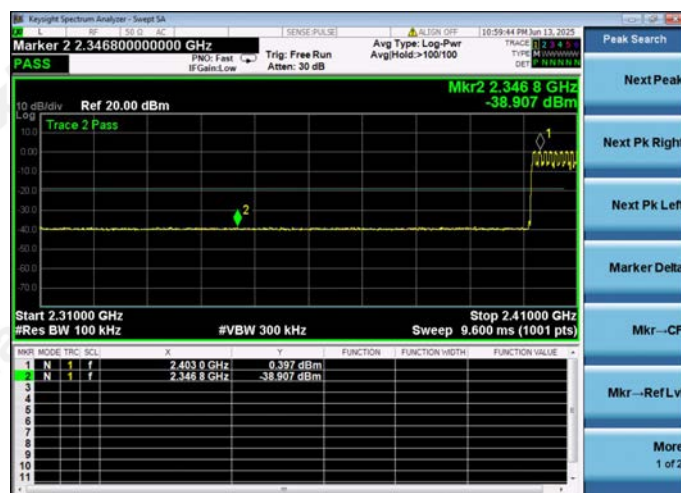
8-DPSK



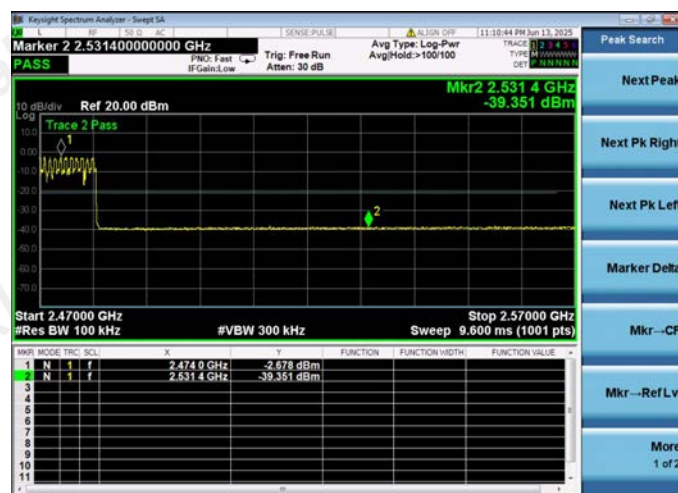
Left Band edge hopping off



Right Band edge hopping off



Left Band edge hopping on



Right Band edge hopping on

4.9 Pseudorandom Frequency Hopping Sequence

TEST APPLICABLE

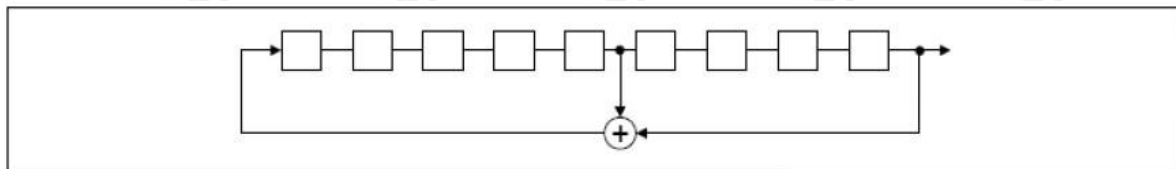
For 47 CFR Part 15C section 15.247 (a) (1) requirement:

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hop-ping channel, whichever is greater. 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. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly 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 hop-ping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

EUT Pseudorandom Frequency Hopping Sequence Requirement

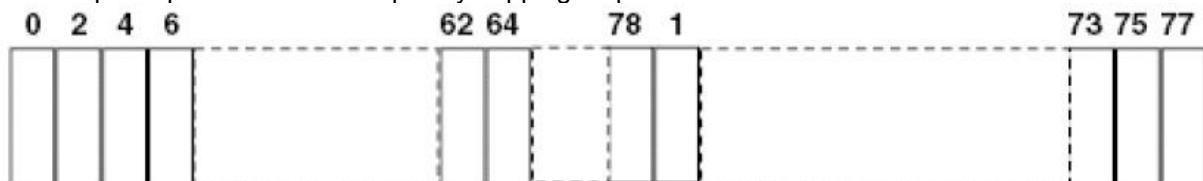
The pseudorandom frequency hopping sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first one of 9 consecutive ones, for example: the shift register is initialized with nine ones.

- Number of shift register stages:9
- Length of pseudo-random sequence:29-1=511 bits
- Longest sequence of zeros:8(non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence

An example of pseudorandom frequency hopping sequence as follows:



Each frequency used equally one the average by each transmitter.

The system receiver have input bandwidths that match the hopping channel bandwidths of their corresponding transmitter and shift frequencies in synchronization with the transmitted signals.

4.10 Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, 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.

And according to FCC 47 CFR Section 15.247 (c), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Refer to statement below for compliance

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

The maximum gain of antenna is -0.68 dBi.

Remark: The antenna gain is provided by the customer, if the data provided by the customer is not accurate, MAXLAB Testing Co.,Ltd. does not assume any responsibility.

5 Test Setup Photos of the EUT

Reference to the appendix I for details.

6 Photos of the EUT

Reference to the appendix II for details.

***** End of Report *****