

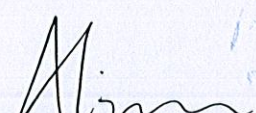
# RF TEST REPORT

The device described below is tested by Dongguan Nore Testing Center Co., Ltd. to determine the maximum emission levels emanating from the device, the severe levels which the device can endure and E.U.T.'s performance criterion. The test results, data evaluation, test procedures, and equipment of configurations shown in this report were made in accordance with the R&TTE directive 1999/5/EC.

Applicant : SHENZHEN FENDA TECHNOLOGY CO., LTD.  
Address : Fenda Hi-Tech Park, Zhoushi Road, Shiyan Town, Baoan District, Shenzhen City, Guangdong, China  
Manufacturer/Factory : SHENZHEN FENDA TECHNOLOGY CO., LTD.  
Address : Fenda Hi-Tech Park, Zhoushi Road, Shiyan Town, Baoan District, Shenzhen City, Guangdong, China  
E.U.T. : 5.1 Speaker System  
Brand Name : F&D  
Model No. : F5060X, F5080X, 5090X, F6000X, F6600X  
(For model difference refer to section 2.1)  
Measurement Standard : ETSI EN 300328 V1.9.1: 2015  
Date of Receiver : November 28, 2016  
Date of Test : November 29, 2016 to December 19, 2016  
Date of Report : December 19, 2016

This Test Report is Issued Under the Authority of :

Prepared by

  
Alina Guo / Engineer

Approved & Authorized Signer

  
Iori Fan / Authorized Signatory



This test report is for the customer shown above and their specific product only. This report applies to above tested sample only and shall not be reproduced in part without written approval of Dongguan Nore Testing Center Co., Ltd.

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## Revision History of This Test Report

| Report Number | Description   | Issued Date |
|---------------|---------------|-------------|
| NTC1611344E   | Initial Issue | 2016-12-19  |
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## 1. GENERAL INFORMATION

### PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST

- Model Name : F5060X, F5080X, 5090X, F6000X, F6600X  
All tests were carried on model F5060X.
- Model difference : These models have the same circuit schematic, construction, PCB Layout and critical components. Their difference in model number, appearance and color due to trading purpose.
- Power Supply : AC 120-240V 50/60Hz 2.5A
- Test Voltage : AC 230V 50Hz
- Operating Temperature Range : 0°C to 35°C (Declaration by manufacturer)
- Adaptive/Non-Adaptive Equipment : Adaptive equipment
- Note : This report only applies to modulation technology FHSS.

### Technical Specification:

For BT function  
BT Version: 4.2+EDR and backward compatible BLE.  
We prepare version BLE(V4.0) and 4.2+EDR for RF test..

| Item              | BT4.2+EDR                          | BLE(V4.0)                          |
|-------------------|------------------------------------|------------------------------------|
| Frequency         | 2402-2480MHz                       | 2402-2480MHz                       |
| Modulation        | GFSK, $\pi/4$ -DQPSK, 8DPSK        | GFSK                               |
| Number of Channel | 79                                 | 40                                 |
| Channel space     | 1MHz                               | 2MHz                               |
| Antenna Type      | PCB antenna                        | PCB antenna                        |
| Antenna Gain      | 0.5 dBi (declared by manufacturer) | 0.5 dBi (declared by manufacturer) |

| <b>SUMMARY OF TEST RESULTS</b>      |  |                         |
|-------------------------------------|--|-------------------------|
| <b>Section<br/>(ETSI EN 300328)</b> | <b>Description of Test</b>   | <b>TEST RESULT</b>      |
| 4.3.1.2<br>/<br>4.3.2.2             | RF Output Power  | Compliant               |
| 4.3.2.3                             | Power Spectral Density<br>(Modulations other than FHSS<br>equipment)               | N/A                     |
| 4.3.1.3<br>/<br>4.3.2.4             | Duty cycle, Tx-Sequence, Tx-gap<br>(Non-adaptive equipment)                        | N/A <sup>see note</sup> |
| 4.3.1.4                             | Dwell time, Minimum Frequency<br>Occupation & Hopping Sequence<br>(FHSS equipment) | Compliant               |
| 4.3.1.5                             | Hopping Frequency Separation<br>(FHSS equipment)                                   | Compliant               |
| 4.3.1.6<br>/<br>4.3.2.5             | Medium Utilisation<br>(Non-adaptive equipment)                                     | N/A <sup>see note</sup> |
| 4.3.1.7<br>/<br>4.3.2.6             | Adaptivity   | N/A <sup>see note</sup> |
| 4.3.1.8<br>/<br>4.3.2.7             | Occupied Channel Bandwidth   | Compliant               |
| 4.3.1.9<br>/<br>4.3.2.8             | Transmitter unwanted emission in the<br>OOB domain                                 | Compliant               |
| 4.3.1.10<br>/<br>4.3.2.9            | Transmitter unwanted emissions in the<br>spurious domain                           | Compliant               |
| 4.3.1.11<br>/<br>4.3.2.10           | Receiver spurious emissions  | Compliant               |
| 4.3.1.12<br>/<br>4.3.2.11           | Receiver Blocking  | N/A <sup>see note</sup> |

**Note:** These requirements do not apply for equipment with a maximum declared RF Output power of less than 10dBm EIRP or for equipment when operating in a mode where the RF Output power is less than 10dBm EIRP.

## 2. DESCRIPTION OF TEST MODES AND TEST FREQUENCIES

The EUT has been tested under Normal Operating condition. Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed. All data rate and modulation type were tested, only the worst-case record in this report.

## 3. TEST FREQUENCIES AND SOFTWARE

| Channel | Frequency<br>MHz |
|---------|------------------|
| 0       | 2402             |
| 39      | 2441             |
| 78      | 2480             |

| Test Item                                 | Software  | Description                                     |
|---|-----------|---|
| Conducted RF Testing and Radiated testing | ACTsBTAPP | Set the EUT to different modulation and channel |

## 4. OBJECTIVE

Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2.4GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

The objective is to determine compliance with ETSI EN 300328 V1.9.1 (2015-02).

## 5. TEST METHODOLOGY

All measurements contained in this report were conducted with ETSI EN 300328 V1.9.1 (2015-02).

## 6. TEST FACILITY

Site Description

EMC Lab : Listed by CNAS, August 14, 2015  
The certificate is valid until August 13, 2018  
The Laboratory has been assessed and proved to be in compliance with CNAS/CL01  
The Certificate Registration Number is L5795.

Listed by FCC, July 03, 2014  
The Certificate Number is 665078.

Listed by Industry Canada, June 18, 2014  
The Certificate Registration Number. Is 46405-9743

Name of Firm : Dongguan Nore Testing Center Co., Ltd.  
(Dongguan NTC Co., Ltd.)

Site Location : Building D, Gaosheng Science & Technology Park,  
Zhouxi Longxi Road, Nancheng District, Dongguan  
City, Guangdong Province, China

## 7. MEASUREMENT UNCERTAINTY

| Parameter                         | Uncertainty                 |
|-----------------------------------|-----------------------------|
| Occupied Channel Bandwidth        | $\pm 1.42 \times 10^{-4}\%$ |
| RF output power, conducted        | $\pm 1.06\text{dB}$         |
| Power Spectral Density, conducted | $\pm 1.06\text{dB}$         |
| Unwanted Emissions, conducted     | $\pm 2.51\text{dB}$         |
| All emissions, radiated           | $\pm 3.70\text{dB}$         |
| Temperature                       | $\pm 0.8^\circ\text{C}$     |
| Humidity                          | $\pm 3.2\%$                 |
| DC and low frequency voltages     | $\pm 0.1\%$                 |
| Time                              | $\pm 5\%$                   |
| Duty cycle                        | $\pm 5\%$                   |

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

---

## 8. SUPPORT EQUIPMENT

Notebook PC : Manufacturer: IBM Corporation  
M/N: R50e  
S/N: L3-HZNGO  
P/N: 1834KDC

Adapter : Manufacturer: IBM Corporation  
M/N: 08K8210  
Input: AC100-240V 50/60Hz 0.5-1.0A  
Output: DC 16V 4.5A



## 9. RF OUTPUT POWER

### Limits

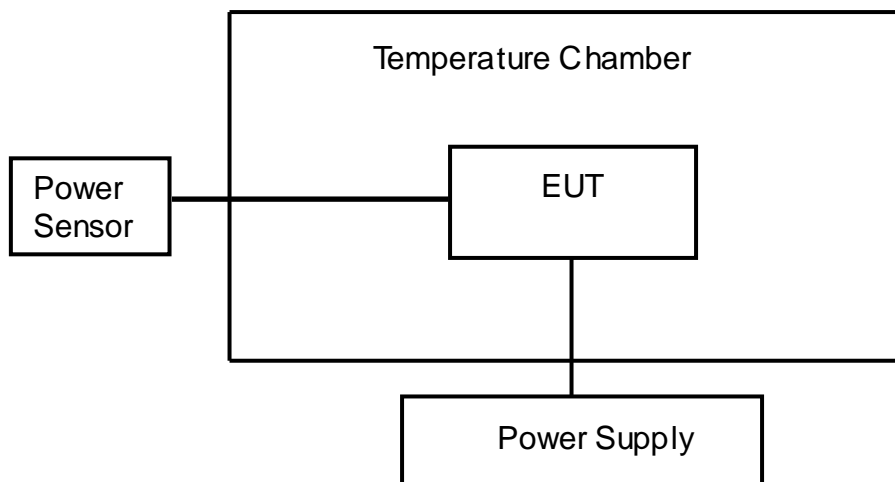
| Frequency Band    | Limit   |
|-------------------|---|
| 2400 ~ 2483.5 MHz | Equivalent isotropic radiated power (e.i.r.p.)<br>$\leq 20$ dBm |

### Test Method

1. Please refer to ETSI EN 300328 (V<sub>1.9.1</sub>) clause 5.3.2.2.1 for conducted measurement method.
2. The measurements shall be performed at both normal environmental conditions and at The extremes of the operating temperature range.

### Test Configuration

Temperature and Voltage Measurement



### Test Result

**Pass.**

Please refer to following data tables.

| <b>GFSK</b>            |                |             |               |           |        |
|------------------------|----------------|-------------|---------------|-----------|--------|
| Humidity :             |                | 52 %        | Temperature : |           | 22 °C  |
| Test Result:           |                | PASS        | Test By:      |           | Sance  |
| Antenna Assembly Gain: |                |             |               |           | 0.5dBi |
| Cable Loss=            |                |             |               |           | 1.5dB  |
| Number of Burst        |                |             |               |           | >20    |
| <b>Hopping Mode</b>    |                |             |               |           |        |
| Temperature (°C)       | Power Supplied | Reading dBm | EIRP dBm      | Limit dBm |        |
| 25                     | AC 230V        | -3.81       | -1.81         | 20        |        |
| 0                      | AC 230V        | -4.01       | -2.01         | 20        |        |
| 35                     | AC 230V        | -4.13       | -2.13         | 20        |        |

Note: Calculated Power(dBm)=Output Power(dBm)+Cable Loss(dB)+Antenna Gain(dBi)

| <b>8DPSK</b>           |                |             |               |           |        |
|------------------------|----------------|-------------|---------------|-----------|--------|
| Humidity :             |                | 52 %        | Temperature : |           | 22 °C  |
| Test Result:           |                | PASS        | Test By:      |           | Sance  |
| Antenna Assembly Gain: |                |             |               |           | 0.5dBi |
| Cable Loss=            |                |             |               |           | 1.5dB  |
| Number of Burst        |                |             |               |           | >20    |
| <b>Hopping Mode</b>    |                |             |               |           |        |
| Temperature (°C)       | Power Supplied | Reading dBm | EIRP dBm      | Limit dBm |        |
| 25                     | AC 230V        | -0.71       | 1.29          | 20        |        |
| 0                      | AC 230V        | -0.83       | 1.17          | 20        |        |
| 35                     | AC 230V        | -1.04       | 0.96          | 20        |        |

Note: Calculated Power(dBm)=Output Power(dBm)+Cable Loss(dB)+Antenna Gain(dBi)

## 10. DWELL TIME, MINIMUM FREQUENCY OCCUPATION AND HOPPING SEQUENCE

### Limits

| Dwell Time                             |          |
|--|----------|
| Test Condition                         | Limit    |
| Non-adaptive frequency hopping systems | ≤ 15 ms  |
| Adaptive frequency hopping systems     | ≤ 400 ms |

| Minimum Frequency Occupation Time      |  |
|--|--|
| Test Condition                         | Limit  |
| Non-adaptive frequency hopping systems | Equal to one dwell time within a period not exceeding four times the product of the dwell time per hop and the number of hopping frequencies in use. |
| Adaptive frequency hopping systems     |  |

| Hopping sequence(s)                    |   |
|--|---|
| Test Condition                         | Limit   |
| Non-adaptive frequency hopping systems | ≥15 hopping frequencies or 15/minimum Hopping Frequency Separation in MHz , whichever is the greater.                         |
| Adaptive frequency hopping systems     | Operating frequency band ≥ 58.45 MHz<br>(Operating over a minimum of 70 % of the operating in the band 2,4 GHz to 2,4835 GHz) |
|  | ≥15 hopping frequencies or 15/minimum Hopping Frequency Separation in MHz , whichever is the greater.                         |

## Test Method

1. Please refer to ETSI EN 300328 (V<sub>1.9.1</sub>) clause 5.3.4.2.1 for conducted measurement method.
2. The measurements shall be performed at normal environmental condition.

## Test Configuration



## Test Result

**Pass.**

Please refer to following data tables and test plots.

|               |                   |              |      |
|---------------|-------------------|--------------|------|
| Temperature : | 22 °C             | Humidity :   | 53%  |
| Test Date :   | December 15, 2016 | Test Result: | PASS |
| Test By:      | Sance             |              |      |

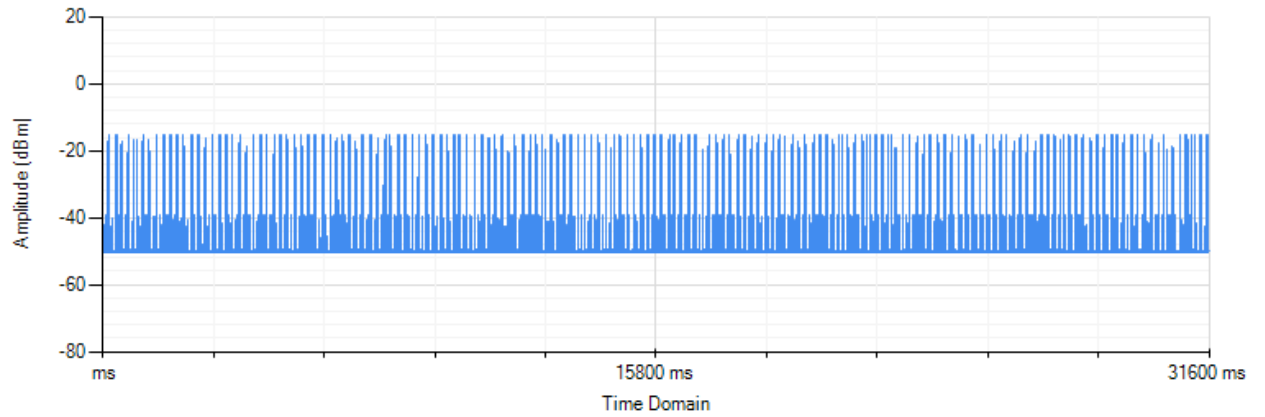
| Hopping Sequence |                         |                        |                             |        |
|------------------|-------------------------|------------------------|-----------------------------|--------|
| Hopping Channels | Hopping Channels Limits | Min. Hopping Range (%) | Min. Hopping Range Limit(%) | Result |
| <b>GFSK</b>      |                         |                        |                             |        |
| 79               | 15                      | 95.49%                 | 70.00%                      | PASS   |
| <b>8DPSK</b>     |                         |                        |                             |        |
| 79               | 15                      | 96.05%                 | 70.00%                      | PASS   |

| Dwell Time   |                           |  |                  |            |            |        |
|--------------|---------------------------|--|------------------|------------|------------|--------|
| Mode         | Number of Hopping Channel | Number of transmission in a period (channel number *0.4sec |                  | Dwell Time | Limit (ms) | Result |
|              |                           | Period (Sec)   | Sweep time (Sec) |            |            |        |
| <b>GFSK</b>  |                           |  |                  |            |            |        |
| DH1          | 79                        | 31.6   | 4                | 124.80     | 400        | PASS   |
| DH3          | 79                        | 31.6   | 4                | 247.50     | 400        | PASS   |
| DH5          | 79                        | 31.6   | 4                | 294.78     | 400        | PASS   |
| <b>8DPSK</b> |                           |  |                  |            |            |        |
| DH1          | 79                        | 31.6   | 4                | 128.40     | 400        | PASS   |
| DH3          | 79                        | 31.6   | 4                | 255.75     | 400        | PASS   |
| DH5          | 79                        | 31.6   | 4                | 275.50     | 400        | PASS   |

| Minimum Frequency Occupation |                           |  |                    |                    |
|------------------------------|---------------------------|--|--------------------|--------------------|
| Mode                         | Number of Hopping Channel | Number of transmission in a period of 4*Dwell time*number of hopping channel | Minimum Limit (ms) | Result (Pass/Fail) |
| <b>GFSK</b>                  |                           |  |                    |                    |
| DH1                          | 79                        | 2  | ≥1                 | PASS               |
| DH3                          | 79                        | 2  | ≥1                 | PASS               |
| DH5                          | 79                        | 5  | ≥1                 | PASS               |
| <b>8DPSK</b>                 |                           |  |                    |                    |
| DH1                          | 79                        | 2  | ≥1                 | PASS               |
| DH3                          | 79                        | 1  | ≥1                 | PASS               |
| DH5                          | 79                        | 4  | ≥1                 | PASS               |

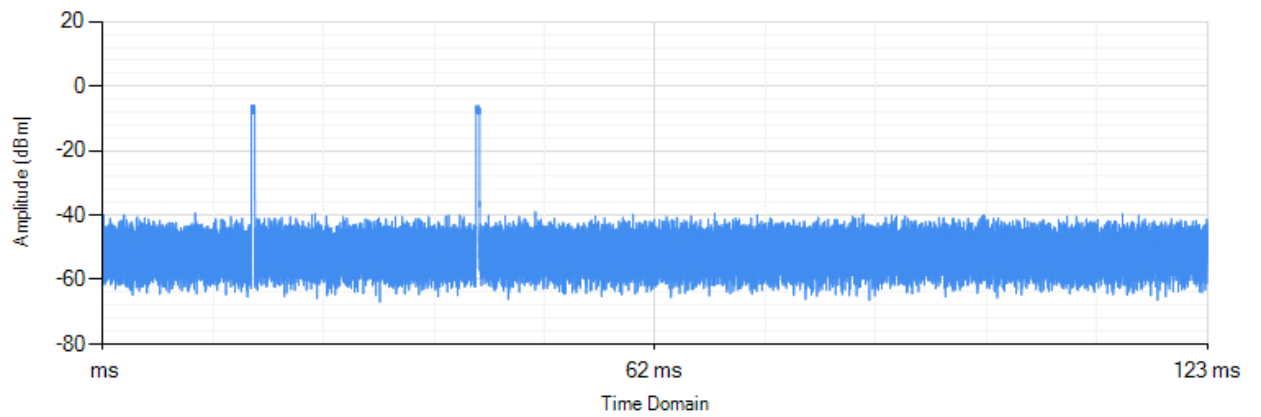
## GFSK DH1

### Dwell Time



RBW: 500 KHz VBW: 2000 KHz Sweep Points: 30001

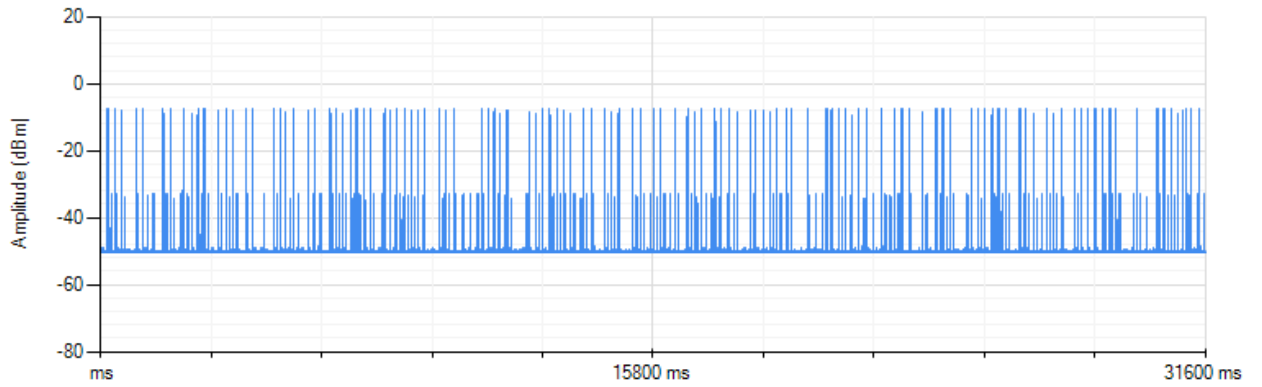
### Minimum Frequency Occupation



RBW: 500 KHz VBW: 2000 KHz Sweep Points: 30001

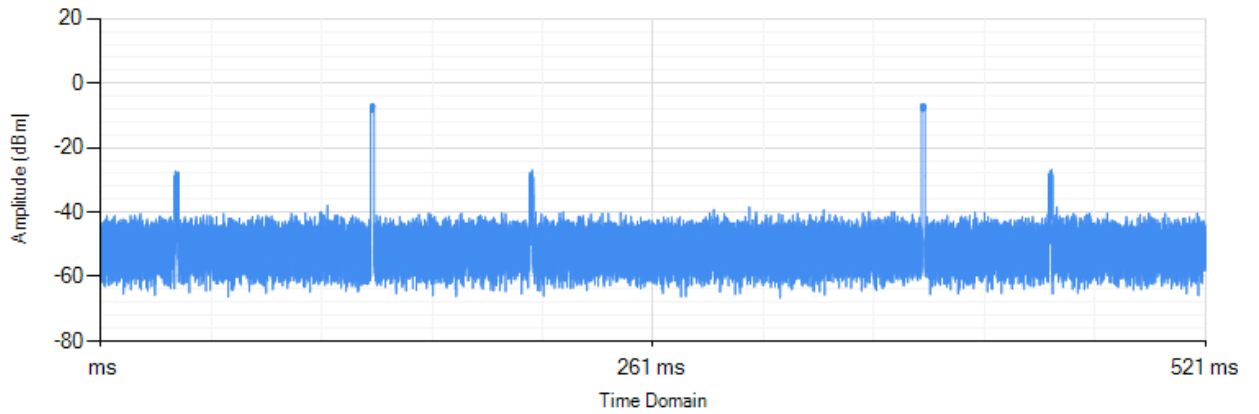
### GFSK DH3

#### Dwell Time



RBW: 500 KHz VBW: 2000 KHz Sweep Points: 30001

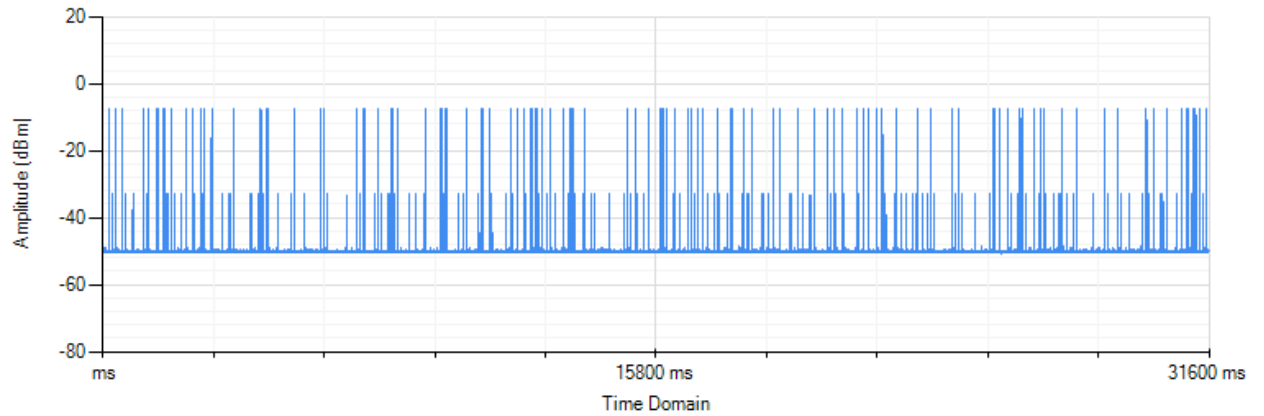
#### Minimum Frequency Occupation



RBW: 500 KHz VBW: 2000 KHz Sweep Points: 30001

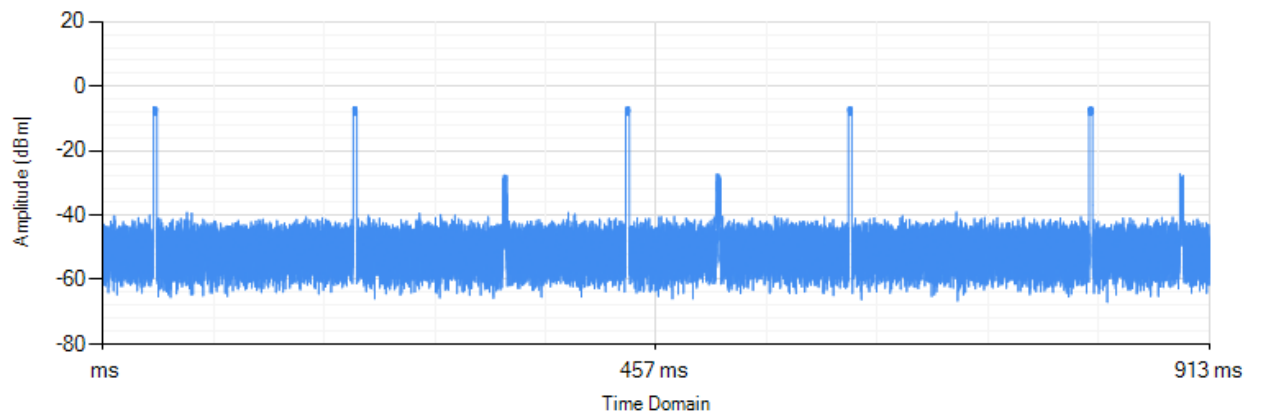
## GFSK DH5

### Dwell Time



RBW: 500 KHz VBW: 2000 KHz Sweep Points: 30001

### Minimum Frequency Occupation

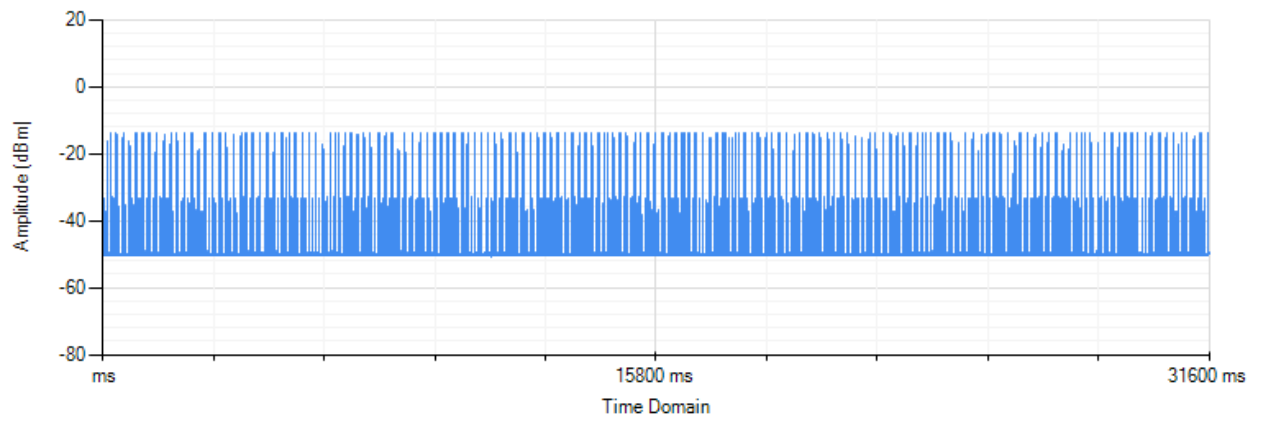


RBW: 500 KHz VBW: 2000 KHz Sweep Points: 30001



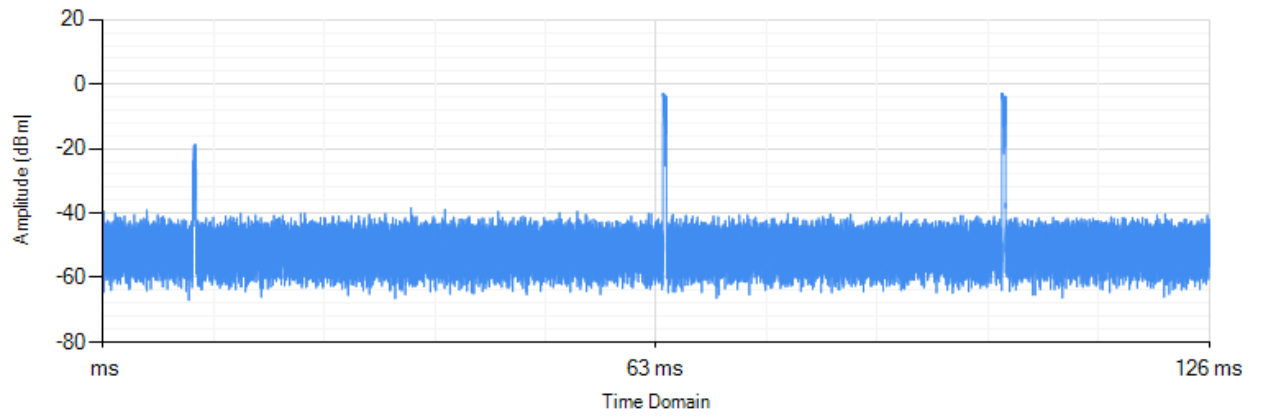
## 8DPSK 3-DH1

Dwell Time



RBW: 500 KHz VBW: 2000 KHz Sweep Points: 30001

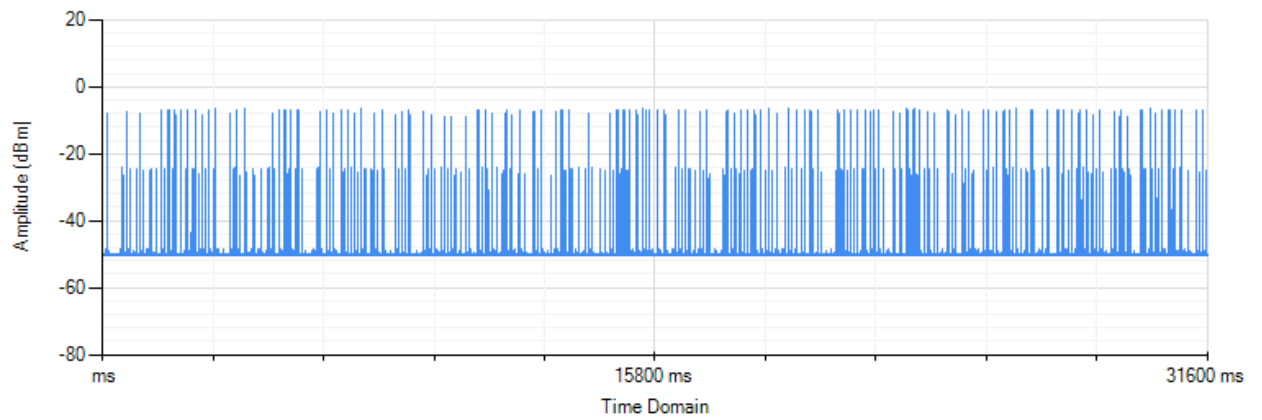
Minimum Frequency Occupation



RBW: 500 KHz VBW: 2000 KHz Sweep Points: 30001

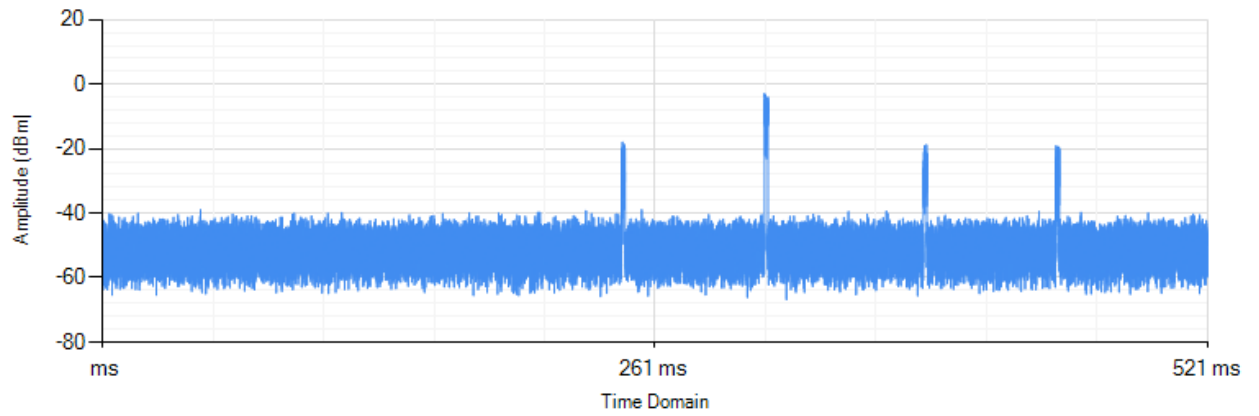
## 8DPSK 3-DH3

Dwell Time



RBW: 500 KHz VBW: 2000 KHz Sweep Points: 30001

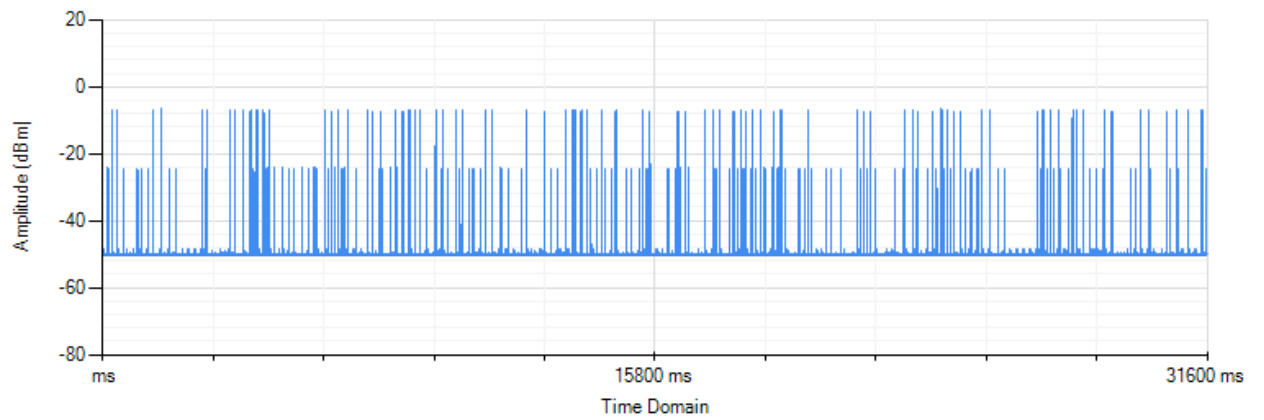
Minimum Frequency Occupation



RBW: 500 KHz VBW: 2000 KHz Sweep Points: 30001

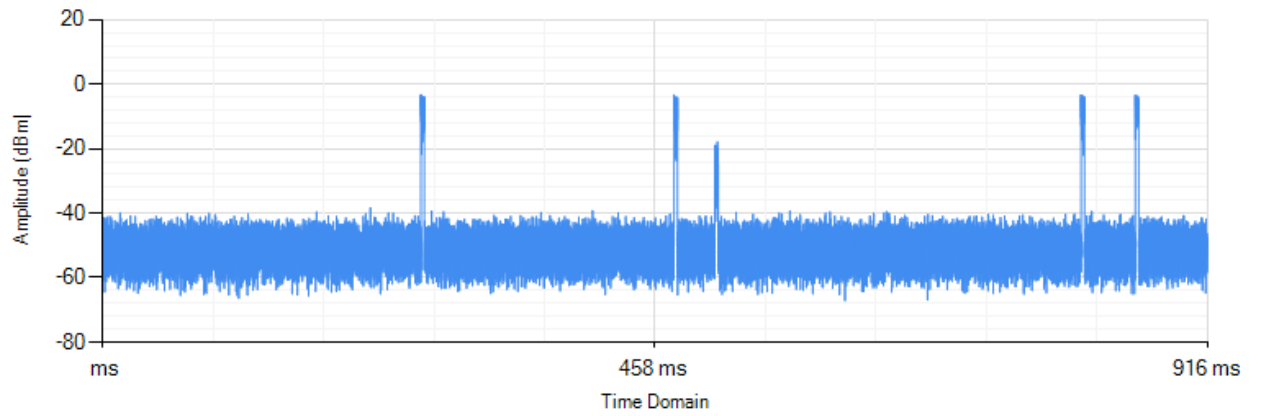
## 8DPSK 3-DH5

Dwell Time



RBW: 500 KHz VBW: 2000 KHz Sweep Points: 30001

Minimum Frequency Occupation

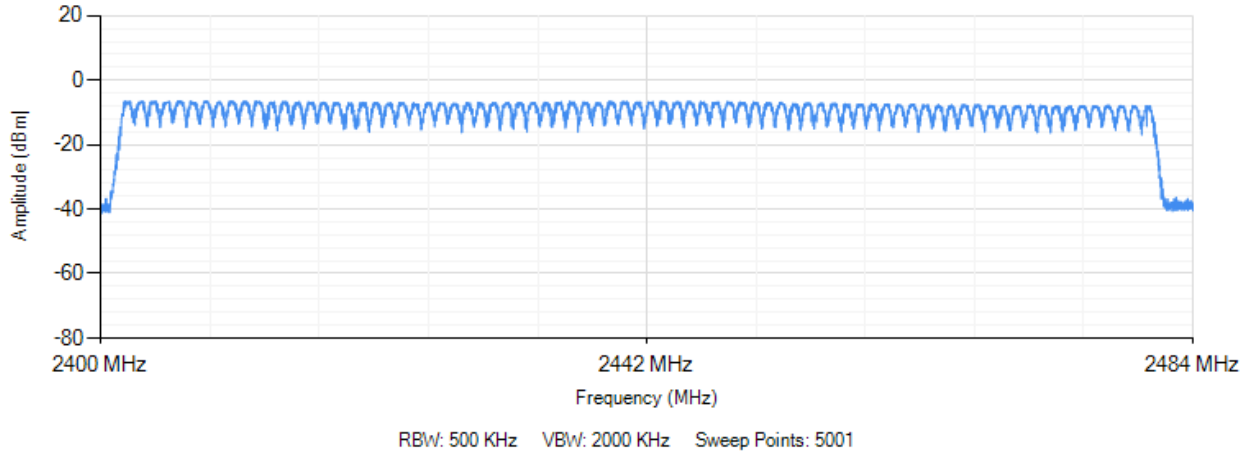


RBW: 500 KHz VBW: 2000 KHz Sweep Points: 30001

## Hopping Sequence

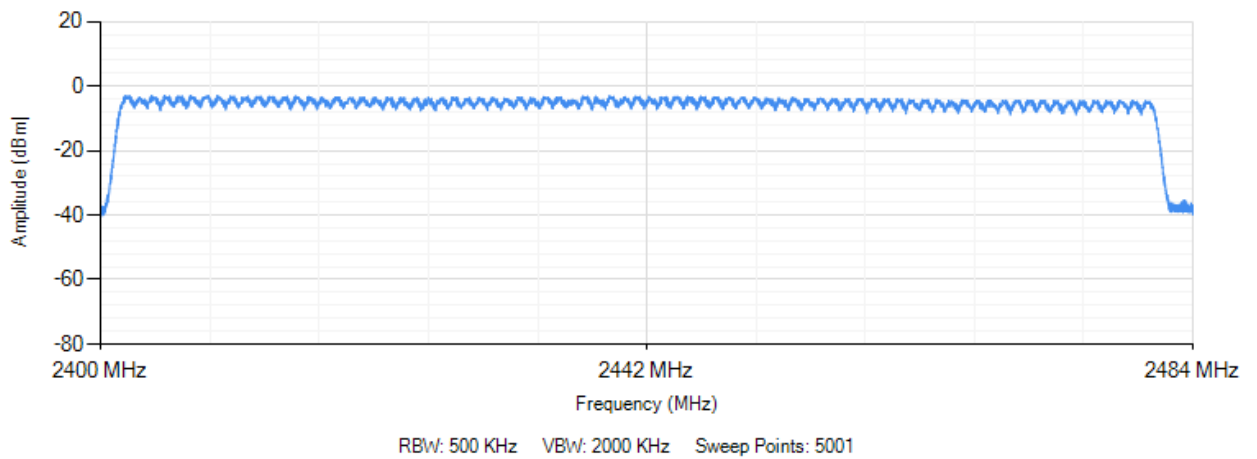
### GFSK

#### Hopping Sequence



### 8DPSK

#### Hopping Sequence



## 11. OCCUPIED CHANNEL BANDWIDTH

### Limits

| Condition   | Limit  |
|---|--|
| All types of equipment  | Shall fall completely within the band 2400 to 2483.5 MHz |
| For non-adaptive using wide band modulations other than FHSS system and e.i.r.p > 10dBm | Less than 20MHz  |
| For non-adaptive Frequency Hopping system and e.i.r.p > 10dBm                           | Less than 5MHz   |

### Test Method

1. Please refer to ETSI EN 300328 (V<sub>1.9.1</sub>) clause 5.3.8.2.1 for conducted measurement method.
2. The measurements shall be performed at normal environmental condition.

### Test Configuration



### Test Result

**Pass.**

Please refer to following data tables and test plots.

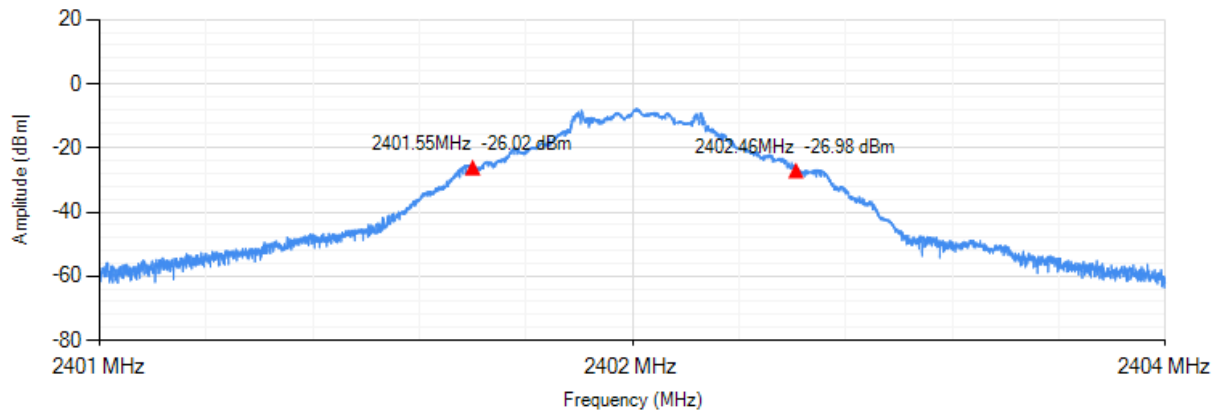
Temperature : 22 °C Humidity : 53%  
 Test Date : December 15, 2016 Test Result: PASS  
 Test By: Sance

| Channel frequency (MHz) | 99% Bandwidth (KHz) | FL at 99% BW (MHz) | FH at 99% BW (MHz) | Limit                               | Result |
|-------------------------|---------------------|--------------------|--------------------|-------------------------------------|--------|
| <b>GFSK</b>             |                     |                    |                    |                                     |        |
| 2402                    | 900                 | 2401.55            | 2402.46            | FL > 2.4 GHz and<br>FH < 2.4835 GHz | Pass   |
| 2480                    | 900                 | 2479.55            | 2480.46            |                                     | Pass   |
| <b>8DPSK</b>            |                     |                    |                    |                                     |        |
| 2402                    | 1150                | 2401.42            | 2402.57            | FL > 2.4 GHz and<br>FH < 2.4835 GHz | Pass   |
| 2480                    | 1160                | 2479.42            | 2480.58            |                                     | Pass   |

Note: FL is the lowest frequency of the 99% occupied bandwidth of power envelope.  
 FH is the highest frequency of the 99% occupied bandwidth of power envelope.

## GFSK Lowest Channel

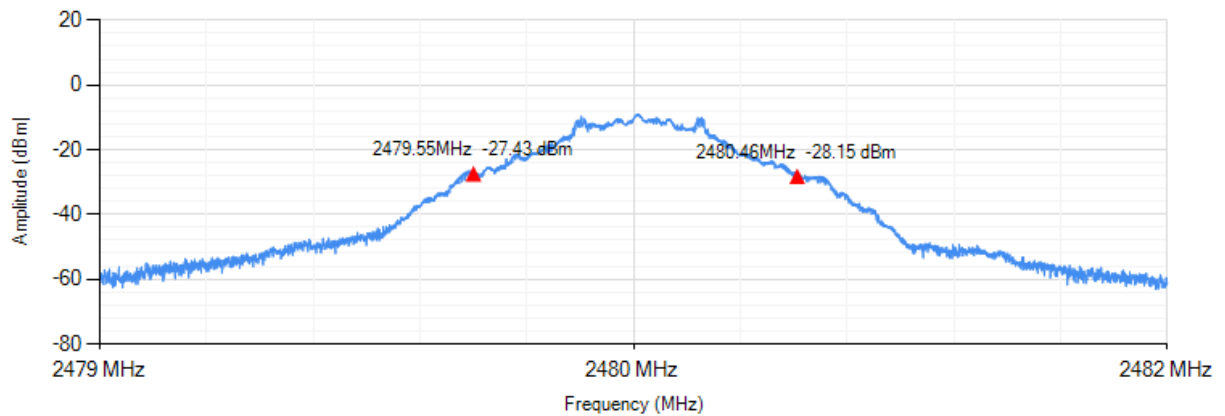
### Occupied Channel Bandwidth



RBW: 30 KHz VBW: 100 KHz Sweep Points: 5001

## GFSK Highest Channel

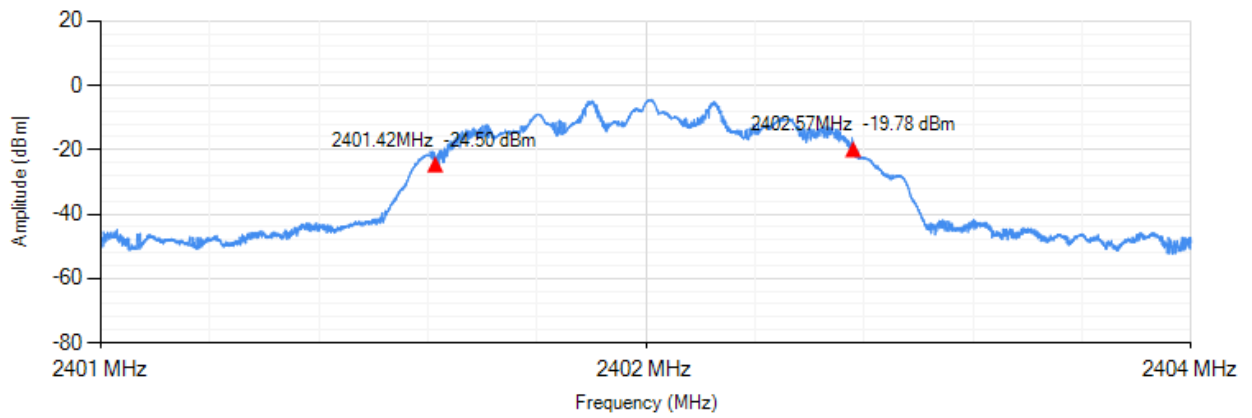
### Occupied Channel Bandwidth



RBW: 30 KHz VBW: 100 KHz Sweep Points: 5001

## 8DPSK Lowest Channel

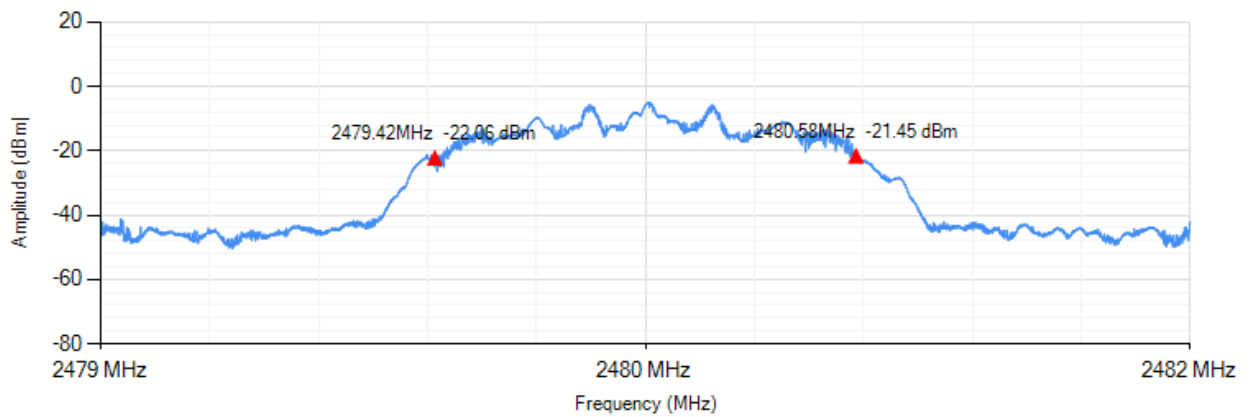
Occupied Channel Bandwidth



RBW: 30 KHz VBW: 100 KHz Sweep Points: 5001

## 8DPSK Highest Channel

Occupied Channel Bandwidth



RBW: 30 KHz VBW: 100 KHz Sweep Points: 5001



## 12. HOPPING FREQUENCY SEPARATION

### Limits

| Condition                              | Limit  |
|--|--|
| Nom-adaptive frequency hopping systems | The minimum Hopping Frequency Separation shall be equal to Occupied Channel Bandwidth of a single hop, with a minimum separation of 100 kHz. |
| Adaptive frequency hopping systems     | The minimum Hopping Frequency Separation shall be 100 kHz.   |

### Test Method

1. Please refer to ETSI EN 300328 (V<sub>1.9.1</sub>) clause 5.3.5.2.1 for conducted measurement method.
2. The measurements shall be performed at normal environmental condition.

### Test Configuration



### Test Result

**Pass.**

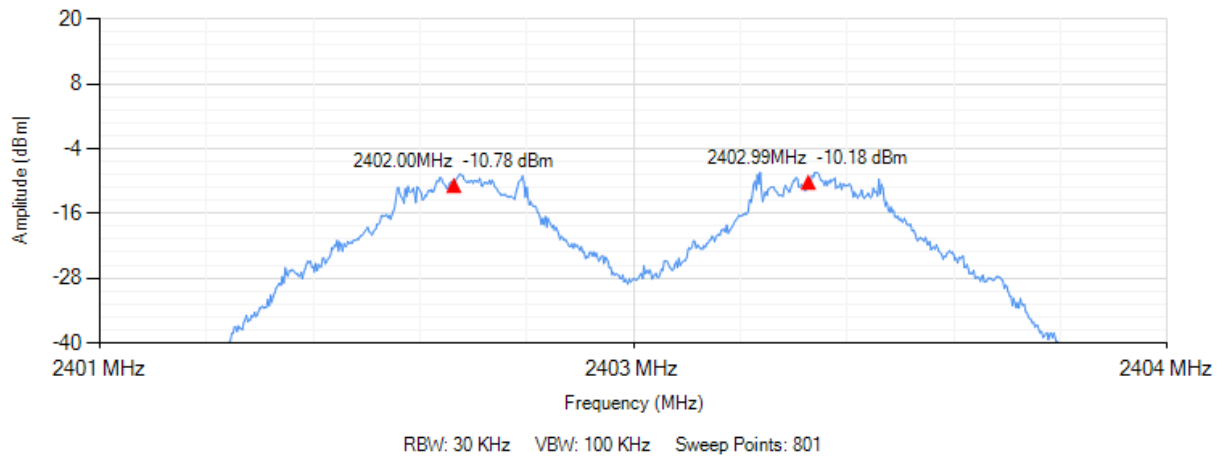
Please refer to following data tables and test plots.

Temperature : 22 °C                      Humidity : 53%  
 Test Date : December 15, 2016              Test Result: PASS  
 Test By: Sance

| Channel frequency (MHz) | Channel Separation (KHz) | Limit (MHz) Minimum | Result |
|-------------------------|--------------------------|---------------------|--------|
| <b>GFSK</b>             |                          |                     |        |
| 2402                    | 1000                     | 0.1                 | Pass   |
| 2480                    | 1000                     | 0.1                 | Pass   |
| <b>8DPSK</b>            |                          |                     |        |
| 2402                    | 1000                     | 0.1                 | Pass   |
| 2480                    | 1000                     | 0.1                 | Pass   |

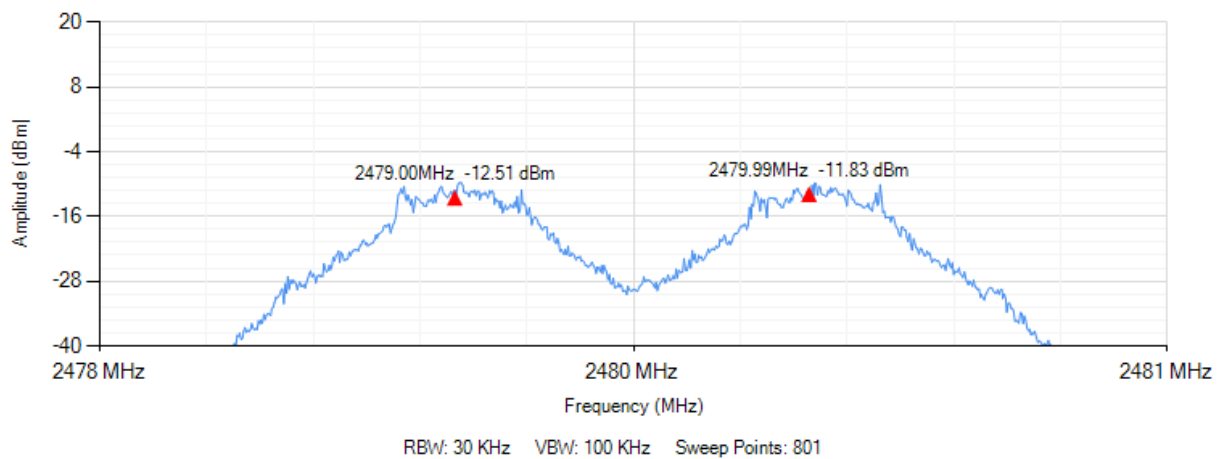
## GFSK Lowest Channel

### Hopping Frequency Separation



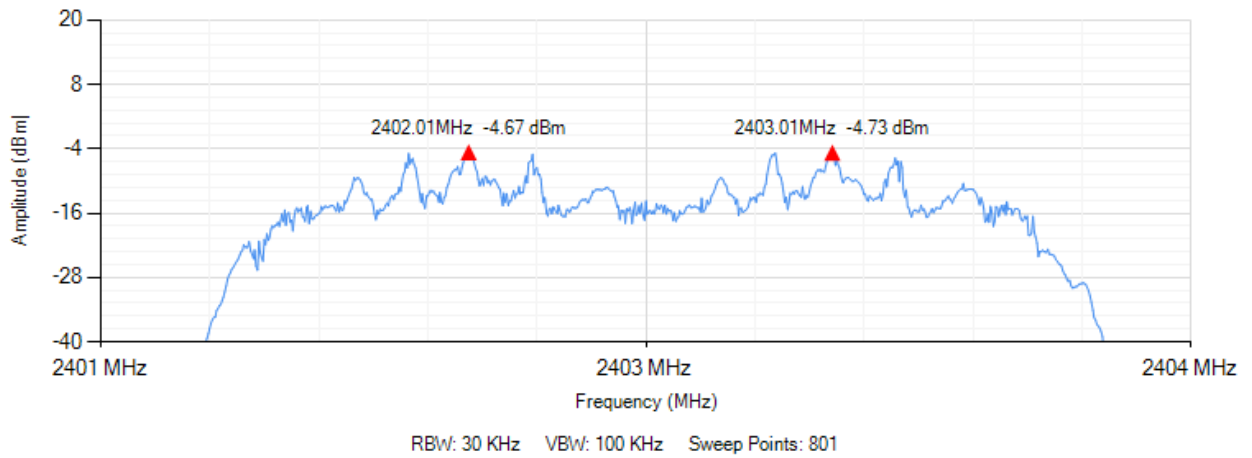
## GFSK Highest Channel

### Hopping Frequency Separation



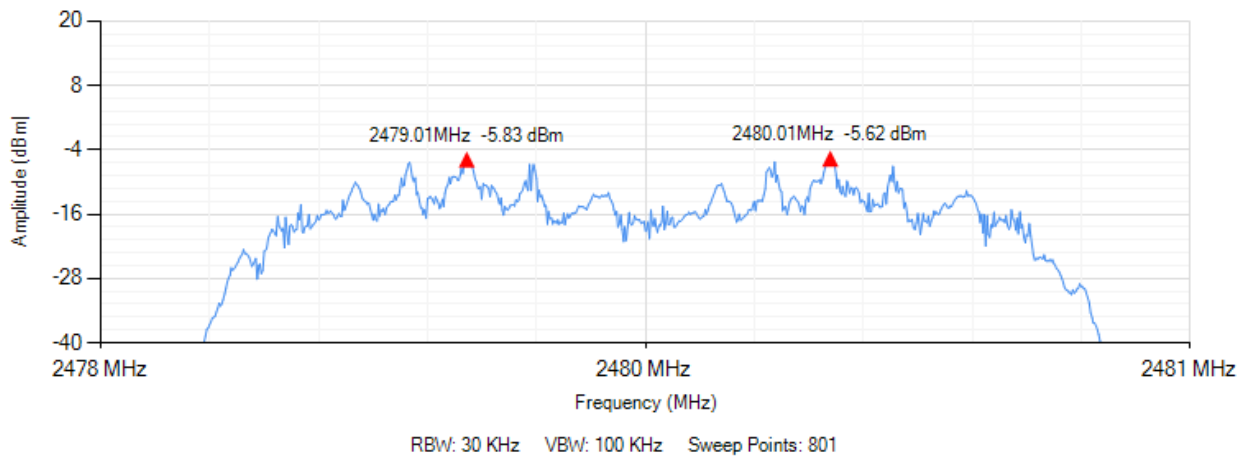
## 8DPSK Lowest Channel

### Hopping Frequency Separation



## 8DPSK Highest Channel

### Hopping Frequency Separation

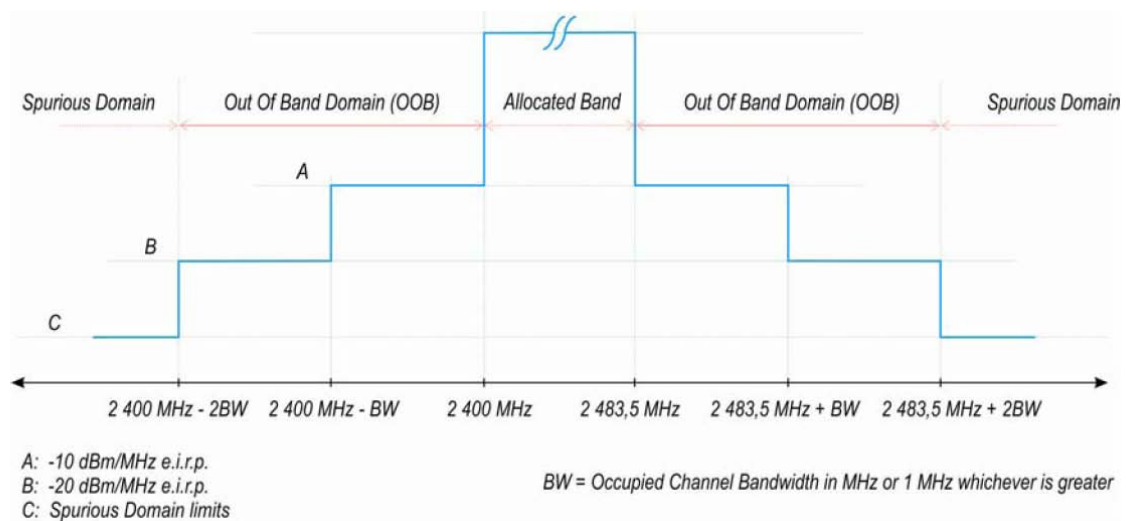


## 13. TRANSMITTER UNWANTED EMISSIONS IN THE OUT-OF-BAND DOMAIN

### Limits

The transmitter unwanted emissions in the out-of-band domain but outside the allocated band, shall not exceed the values provided by the mask

### Transmit mask



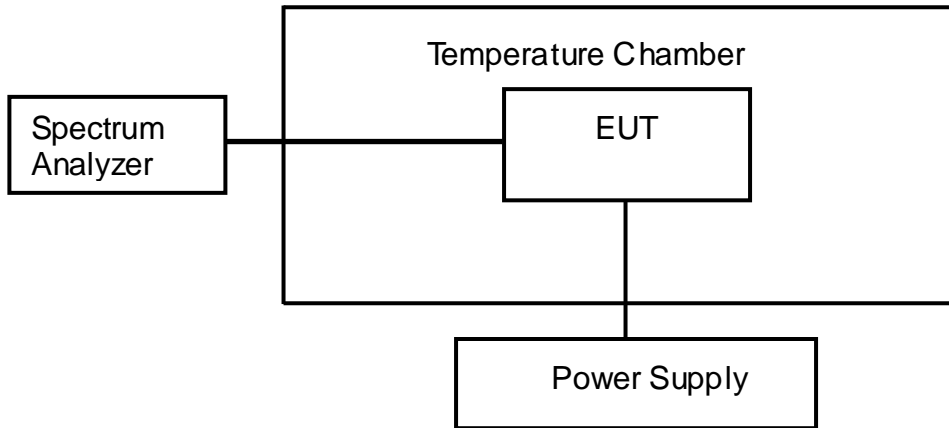
### Test Method

1. Please refer to ETSI EN 300328 (V<sub>1.9.1</sub>) clause 5.3.9.2.1 for conducted measurement method.
2. The measurements shall be performed at both normal environmental conditions and at The extremes of the operating temperature range.

---

## Test Configuration

### Temperature and Voltage Measurement



### Test Result

**Pass.**

Please refer to following data tables.

Temperature : 22 °C Humidity : 53%  
Test Date : December 15, 2016 Test Result: PASS  
Test By: Sance

| Condition (°C)         | Power Supplied | 2400-BW~2400 / 2483.5+BW ~2483.5 (dBm/MHz) | Limit (dBm/MHz) | 2400-2*BW~2400-BW / 2483.5+2*BW ~2483.5+BW (dBm/MHz) | Limit (dBm/MHz) | Result |
|------------------------|----------------|--|-----------------|--|-----------------|--------|
| <b>GFSK (2402MHz)</b>  |                |  |                 |  |                 |        |
| 25                     | AC 230V        | -38.524                                    | -10             | -54.054  | -20             | PASS   |
| 0                      | AC 230V        | -38.529                                    | -10             | -54.059  | -20             | PASS   |
| 35                     | AC 230V        | -38.536                                    | -10             | -54.135  | -20             | PASS   |
| <b>GFSK (2480MHz)</b>  |                |  |                 |  |                 |        |
| 25                     | AC 230V        | -54.434                                    | -10             | -60.614  | -20             | PASS   |
| 0                      | AC 230V        | -54.439                                    | -10             | -60.628  | -20             | PASS   |
| 35                     | AC 230V        | -54.513                                    | -10             | -60.634  | -20             | PASS   |
| <b>8DPSK (2402MHz)</b> |                |  |                 |  |                 |        |
| 25                     | AC 230V        | -32.914                                    | -10             | -53.194  | -20             | PASS   |
| 0                      | AC 230V        | -32.928                                    | -10             | -53.210  | -20             | PASS   |
| 35                     | AC 230V        | -32.961                                    | -10             | -53.234  | -20             | PASS   |
| <b>8DPSK (2480MHz)</b> |                |  |                 |  |                 |        |
| 25                     | AC 230V        | -51.574                                    | -10             | -59.594  | -20             | PASS   |
| 0                      | AC 230V        | -51.586                                    | -10             | -59.598  | -20             | PASS   |
| 35                     | AC 230V        | -51.589                                    | -10             | -59.621  | -20             | PASS   |

## 14. TRANSMITTER SPURIOUS EMISSIONS

### Limits:

The transmitter unwanted emissions in the spurious domain shall not exceed the values.

| Frequency Range    | Maximum power<br>e.r.p. ( $\leq 1$ GHz) e.i.r.p. ( $> 1$ GHz) | Bandwidth |
|--------------------|---|-----------|
| 30 MHz to 47MHz    | -36 dBm   | 100KHz    |
| 47 MHz to 74MHz    | -54 dBm   | 100KHz    |
| 74 MHz to 87.5MHz  | -36 dBm   | 100KHz    |
| 87.5 MHz to 118MHz | -54 dBm   | 100KHz    |
| 118 MHz to 174MHz  | -36 dBm   | 100KHz    |
| 174 MHz to 230MHz  | -54 dBm   | 100KHz    |
| 230 MHz to 470MHz  | -36 dBm   | 100KHz    |
| 470 MHz to 862MHz  | -54 dBm   | 100KHz    |
| 862 MHz to 1 GHz   | -36 dBm   | 100KHz    |
| 1GHz to 12.75GHz   | -30 dBm   | 1MHz      |

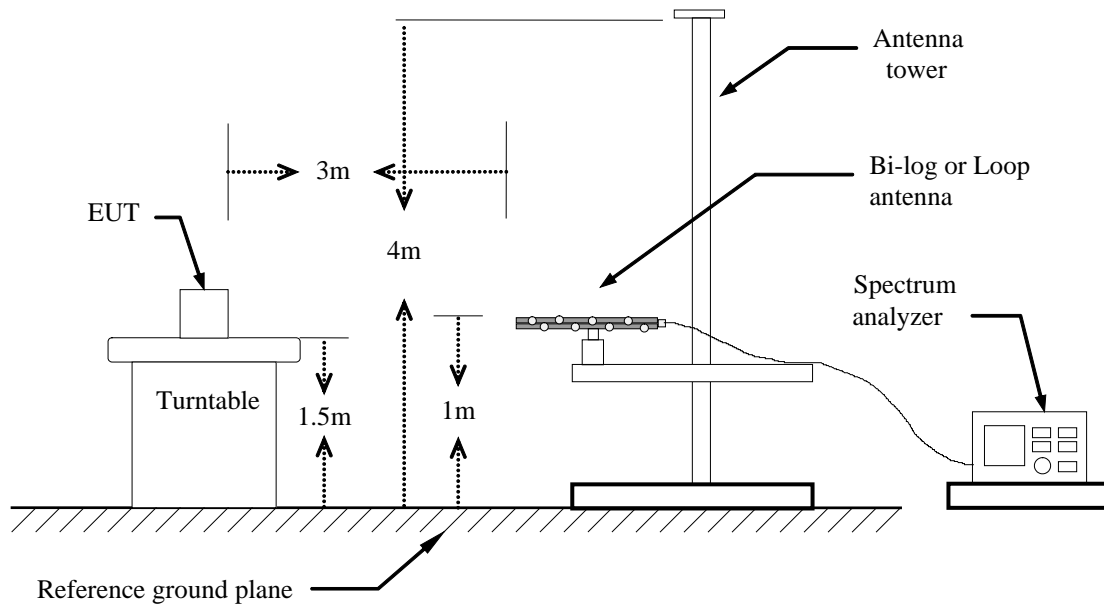
### Test Method

1. Please refer to ETSI EN 300328 (V<sub>1.9.1</sub>) clause 5.3.10.2.2 for radiated measurement method.
2. The measurements shall be performed at normal environmental condition.

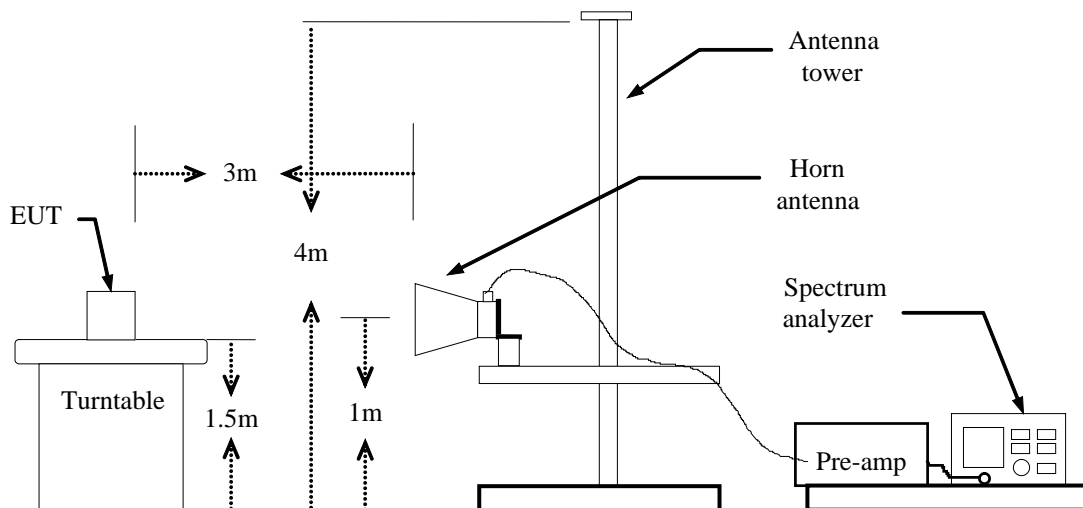


## Test Configuration

Below 1GHz



Above 1GHz



## Test Result

Pass.

Please refer to following data tables (The worst case 8DPSK).

| Below 1GHz Hopping |                      |                      |             |             |
|--------------------|----------------------|----------------------|-------------|-------------|
| Humidity : 54 %    |                      | Temperature : 22 °C  |             |             |
| Test Result: PASS  |                      | Test By: Anson       |             |             |
| Test Mode: TX      |                      |                      |             |             |
| Frequency (MHz)    | Antenna Polarization | Emission level (dBm) | Limit (dBm) | Margin (dB) |
| 61.0399            | Vertical             | -57.42               | -54.00      | -3.42       |
| 694.4500           | Vertical             | -66.70               | -54.00      | -12.70      |
| ---                |                      |                      |             |             |
| 194.9000           | Horizontal           | -68.10               | -54.00      | -14.10      |
| 624.6100           | Horizontal           | -65.58               | -54.00      | -11.58      |
| ---                |                      |                      |             |             |

| Above 1GHz Hopping |                      |                      |             |             |
|--------------------|----------------------|----------------------|-------------|-------------|
| Humidity : 54 %    |                      | Temperature : 22 °C  |             |             |
| Test Result: PASS  |                      | Test By: Anson       |             |             |
| Test Mode: TX      |                      |                      |             |             |
| Frequency (MHz)    | Antenna Polarization | Emission level (dBm) | Limit (dBm) | Margin (dB) |
| 4808               | Vertical             | -43.18               | -30         | -13.18      |
| 7212               | Vertical             | -40.56               | -30         | -10.56      |
| ---                |                      |                      |             |             |
| 4808               | Horizontal           | -43.19               | -30         | -13.19      |
| 7212               | Horizontal           | -40.59               | -30         | -10.59      |
| ---                |                      |                      |             |             |

- Note:**
1. Emission Level (dBm) = Reading level (dBm)+Correction Factor (dB)
  2. Data of measurement within this frequency range shown “ ---” in the table above means the reading of emissions are attenuated more than 10dB below the permissible limits.
  3. The Test frequency range is 30MHz to12.75GHz.

## 15. RECEIVER SPURIOUS EMISSIONS

### Limits

| Frequency Range  | Maximum power<br>e.r.p. ( $\leq 1$ GHz) e.i.r.p. ( $> 1$ GHz) | Bandwidth |
|------------------|---|-----------|
| 30 MHz to 1GHz   | -57 dBm   | 100KHz    |
| 1GHz to 12.75GHz | -47 dBm   | 1MHz      |

### Test Method

1. Please refer to ETSI EN 300328 (V<sub>1.9.1</sub>) clause 5.3.11.2.2 for radiated measurement method.
2. The measurements shall be performed at normal environmental condition.

### Test Configuration

Same as section 14 in this test report.

### Test Result

Pass.

Please refer to following data tables (the worst case 8DPSK).

| Below 1GHz Hopping |                      |                      |             |             |
|--------------------|----------------------|----------------------|-------------|-------------|
| Humidity : 54 %    |                      | Temperature : 22 °C  |             |             |
| Test Result: PASS  |                      | Test By: Anson       |             |             |
| Test Mode: RX      |                      |                      |             |             |
| Frequency (MHz)    | Antenna Polarization | Emission level (dBm) | Limit (dBm) | Margin (dB) |
| 52.3100            | Vertical             | -60.82               | -57.00      | -3.82       |
| 129.9099           | Vertical             | -60.02               | -57.00      | -3.02       |
| 442.2500           | Vertical             | -62.34               | -57.00      | -5.34       |
| 494.6299           | Vertical             | -62.54               | -57.00      | -5.54       |
| ---                |                      |                      |             |             |
| 220.1200           | Horizontal           | -62.20               | -57.00      | -5.20       |
| 377.2599           | Horizontal           | -63.50               | -57.00      | -6.50       |
| 416.0600           | Horizontal           | -62.14               | -57.00      | -5.14       |
| 624.6100           | Horizontal           | -62.42               | -57.00      | -5.42       |
| ---                |                      |                      |             |             |

| Above 1GHz Hopping |                      |                      |             |             |
|--------------------|----------------------|----------------------|-------------|-------------|
| Humidity : 50 %    |                      | Temperature : 23 °C  |             |             |
| Test Result: PASS  |                      | Test By: Sance       |             |             |
| Test Mode: RX      |                      |                      |             |             |
| Frequency (MHz)    | Antenna Polarization | Emission level (dBm) | Limit (dBm) | Margin (dB) |
| 4812               | Vertical             | -56.59               | -47         | -9.59       |
| 7218               | Vertical             | -53.78               | -47         | -6.78       |
| ---                |                      |                      |             |             |
| 4812               | Horizontal           | -56.78               | -47         | -9.78       |
| 7218               | Horizontal           | -52.56               | -47         | -5.56       |
| ---                |                      |                      |             |             |

- Note:**
1. Emission Level (dBm) = Reading level (dBm)+Correction Factor (dB)
  2. Data of measurement within this frequency range shown " ---" in the table above means the reading of emissions are attenuated more than 10dB below the permissible limits.
  3. The Test frequency range is 30MHz to12.75GHz.

## 16. TEST EQUIPMENT LIST

| Description                    | Manufacturer    | Model Number | Serial Number  | Calibration Date | Calibration Due Date |
|--------------------------------|-----------------|--------------|----------------|------------------|----------------------|
| Receiver                       | Rohde & Schwarz | ESCI7        | 100837         | Mar. 07, 2016    | Mar. 07, 2017        |
| DC Power Source                | HUA YI          | HY5003-2     | N/A            | Nov.02, 2016     | Nov.01, 2017         |
| Temperature & Humidity Chamber | HAIDA           | DH-225T      | N/A            | Nov.04, 2016     | Nov.03, 2017         |
| Spectrum Analyzer              | Rohde & Schwarz | FSU26        | 200409/026     | Mar. 07, 2016    | Mar. 07, 2017        |
| Horn Antenna                   | COM-Power       | AH-118       | 071078         | Mar. 07, 2016    | Mar. 07, 2017        |
| Pre-Amplifier                  | COM-Power       | PAM-118      | 443007         | Mar. 07, 2016    | Mar. 07, 2017        |
| Broadband Antenna              | Schwarzbeck     | VULB9162     | 9162-010       | Apr. 25, 2016    | Apr. 25, 2017        |
| Pre-Amplifier                  | Agilent         | 8449B        | 3008A02964     | Mar. 07, 2016    | Mar. 07, 2017        |
| Pre-Amplifier                  | HP              | HP 8447D     | 1145A00203     | Mar. 07, 2016    | Mar. 07, 2017        |
| Power Sensor                   | DARE            | RPR3006 W    | 15100041SN O64 | Mar. 07, 2016    | Mar. 06, 2017        |
| Test Software                  | Acentest        | AT890-SW     | N/A            | N/A              | N/A                  |

## **APPENDIX I**

### **INFORMATION AS REQUIRED BY EN 300 328 V1.9.1, CLAUSE 5.3.1**

In accordance with EN 300 328, clause 5.3.1, the following information is provided by the supplier.

|  |   |
|--|---|
| <b>a) The type of modulation used by the equipment:</b>                    | <input checked="" type="checkbox"/> FHSS<br><input type="checkbox"/> other forms of modulation  |
| <b>b) In case of FHSS modulation:</b>                                      | <ul style="list-style-type: none"> <li>In case of non-Adaptive Frequency Hopping equipment:<br/>The number of Hopping Frequencies: _____</li> </ul>   |
|  | <ul style="list-style-type: none"> <li>In case of Adaptive Frequency Hopping Equipment:<br/>The maximum number of Hopping Frequencies: <u>79</u><br/>The minimum number of Hopping Frequencies: _____</li> </ul>  |
|  | <ul style="list-style-type: none"> <li>The (Average) Dwell Time: <u>285.14ms</u></li> </ul>   |
| <b>c) Adaptive / non-adaptive equipment:</b>                               | <input type="checkbox"/> non-adaptive Equipment<br><input checked="" type="checkbox"/> adaptive Equipment without the possibility to switch to a non-adaptive mode<br><input type="checkbox"/> adaptive Equipment which can also operate in a non-adaptive mode   |
| <b>d) In case of adaptive equipment:</b>                                   | The Channel Occupancy Time implemented by the equipment: _____ ms<br><input checked="" type="checkbox"/> The equipment has implemented an LBT based DAA mechanism   |
|  | <ul style="list-style-type: none"> <li>In case of equipment using modulation different from FHSS:               <ul style="list-style-type: none"> <li><input type="checkbox"/> The equipment is Frame Based equipment</li> <li><input type="checkbox"/> The equipment is Load Based equipment</li> <li><input type="checkbox"/> The equipment can switch dynamically between Frame Based and Load Based equipment</li> </ul> </li> </ul> |
|  | The CCA time implemented by the equipment: _____ $\mu$ s  |
|  | <input type="checkbox"/> The equipment has implemented an non-LBT based DAA mechanism<br><input type="checkbox"/> The equipment can operate in more than one adaptive mode  |
| <b>e) In case of non-adaptive Equipment:</b>                               | The maximum RF Output Power (e.i.r.p.): _____ dBm   |
|  | The maximum (corresponding) Duty Cycle: _____ %   |
|  | Equipment with dynamic behaviour, that behaviour is described here. (e.g. the different combinations of duty cycle and orresponding power levels to be declared):   |
| <b>f) The worst case operational mode for each of the following tests:</b> | <ul style="list-style-type: none"> <li>RF Output Power <u>8DPSK</u></li> </ul>  |
|  | <ul style="list-style-type: none"> <li>Power Spectral Density <u>N/A</u></li> </ul>   |
|  | <ul style="list-style-type: none"> <li>Duty cycle, Tx-Sequence, Tx-gap <u>N/A</u></li> </ul>  |
|  | <ul style="list-style-type: none"> <li>Accumulated Transmit time, Frequency Occupation &amp; Hopping Sequence (only for FHSS equipment) <u>GFSK</u></li> </ul>  |
|  | <ul style="list-style-type: none"> <li>Hopping Frequency Separation (only for FHSS equipment) <u>GFSK</u></li> </ul>  |
|  | <ul style="list-style-type: none"> <li>Medium Utilisation <u>N/A</u></li> </ul>   |
|  | <ul style="list-style-type: none"> <li>Adaptivity &amp; Receiver Blocking <u>N/A</u></li> </ul>   |
|  | <ul style="list-style-type: none"> <li>Nominal Channel Bandwidth <u>8DPSK</u></li> </ul>  |
|  | <ul style="list-style-type: none"> <li>Transmitter unwanted emissions in the OOB domain <u>8DPSK</u></li> </ul>   |
|  | <ul style="list-style-type: none"> <li>Transmitter unwanted emissions in the spurious domain <u>8DPSK</u></li> <li>Receiver spurious emissions <u>8DPSK</u></li> </ul>  |

|  |   |
|--|---|
| <p><b>g) The different transmit operating modes (tick all that apply):</b></p>                                 | <p><input checked="" type="checkbox"/> Operating mode 1: Single Antenna Equipment</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Equipment with only 1 antenna</li> <li><input type="checkbox"/> Equipment with 2 diversity antennas but only 1 antenna active at any moment in time</li> <li><input type="checkbox"/> Smart Antenna Systems with 2 or more antennas, but operating in a (legacy) mode where only 1 antenna is used. (e.g. IEEE 802.11™ [i.3] legacy mode in smart antenna systems)</li> </ul> <p><input type="checkbox"/> Operating mode 2: Smart Antenna Systems - Multiple Antennas without beam forming</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Single spatial stream / Standard throughput / (e.g. IEEE 802.11™ [i.3] legacy mode)</li> <li><input type="checkbox"/> High Throughput (&gt; 1 spatial stream) using Occupied Channel Bandwidth 1</li> <li><input type="checkbox"/> High Throughput (&gt; 1 spatial stream) using Occupied Channel Bandwidth 2</li> </ul> <p>NOTE: Add more lines if more channel bandwidths are supported.</p> <p><input type="checkbox"/> Operating mode 3: Smart Antenna Systems - Multiple Antennas with beam forming</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Single spatial stream / Standard throughput / (e.g. IEEE 802.11™ [i.3] legacy mode)</li> <li><input type="checkbox"/> High Throughput (&gt; 1 spatial stream) using Occupied Channel Bandwidth 1</li> <li><input type="checkbox"/> High Throughput (&gt; 1 spatial stream) using Occupied Channel Bandwidth 2</li> </ul> <p>NOTE: Add more lines if more channel bandwidths are supported.</p> |
| <p><b>h) In case of Smart Antenna Systems:</b></p>   | <ul style="list-style-type: none"> <li>•The number of Receive chains: _____</li> <li>•The number of Transmit chains: _____ <ul style="list-style-type: none"> <li><input type="checkbox"/> symmetrical power distribution</li> <li><input type="checkbox"/> asymmetrical power distribution</li> </ul> </li> </ul> <p>In case of beam forming, the maximum beam forming gain: _____</p> <p>NOTE: Beam forming gain does not include the basic gain of a single antenna.</p>   |
| <p><b>i) Operating Frequency Range(s) of the equipment:</b></p>  | <ul style="list-style-type: none"> <li>•Operating Frequency Range 1: <u>  2402  </u> MHz to <u>  2480  </u> MHz</li> <li>•Operating Frequency Range 2: <u>          </u> MHz to <u>          </u> MHz</li> </ul> <p>NOTE: Add more lines if more Frequency Ranges are supported.</p>  |
| <p><b>j) Occupied Channel Bandwidth(s):</b></p>  | <ul style="list-style-type: none"> <li>•Nominal Channel Bandwidth 1: <u>  900  </u> KHz</li> <li>•Nominal Channel Bandwidth 2: <u>  1160  </u> MHz</li> </ul> <p>NOTE: Add more lines if more channel bandwidths are supported.</p>   |
| <p><b>k) Type of Equipment (stand-alone, combined, plug-in radio device, etc.):</b><br/><b>Stand-alone</b></p> | <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Stand-alone</li> <li><input type="checkbox"/> Combined Equipment (Equipment where the radio part is fully integrated within another type of equipment)</li> <li><input type="checkbox"/> Plug-in radio device (Equipment intended for a variety of host systems)</li> <li><input type="checkbox"/> Other _____</li> </ul>  |



| <p><b>l) The extreme operating conditions that apply to the equipment:</b></p>  | <p>Operating temperature range: <u>  0  </u> °C to <u>  35  </u> °C</p> <p>Details provided are for the:</p> <p><input checked="" type="checkbox"/> stand-alone equipment</p> <p><input type="checkbox"/> combined (or host) equipment</p> <p><input type="checkbox"/> test jig</p>  |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |            |            |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
|---|--|---------------|---------------------------|---------------|---------------------------|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|------------|------------|---------------|---------------------------|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
| <p><b>m) The intended combination(s) of the radio equipment power settings and one or more antenna assemblies and their corresponding e.i.r.p levels:</b></p> | <p>•Antenna Type:</p> <p><input checked="" type="checkbox"/> PCB Antenna:<br/>         Antenna Gain: <u>  0.5  </u> dBi<br/>         If applicable, additional beamforming gain (excluding basic antenna gain): <u>      </u> dB</p> <p><input type="checkbox"/> Temporary RF connector provided</p> <p><input type="checkbox"/> No temporary RF connector provided</p> <p><input type="checkbox"/> Dedicated Antennas (equipment with antenna connector)</p> <p><input type="checkbox"/> Single power level with corresponding antenna(s)</p> <p><input type="checkbox"/> Multiple power settings and corresponding antenna(s)</p> <p style="margin-left: 40px;">Number of different Power Levels: <u>          </u></p> <p style="margin-left: 40px;">Power Level 1: <u>          </u> dBm</p> <p style="margin-left: 40px;">Power Level 2: <u>          </u> dBm</p> <p style="margin-left: 40px;">Power Level 3: <u>          </u> dBm</p> <p>NOTE 1: Add more lines in case the equipment has more power levels.</p> <p>NOTE 2: These power levels are conducted power levels (at antenna connector).</p> <p>• For each of the Power Levels, provide the intended antenna assemblies, their corresponding gains (G) and the resulting e.i.r.p. levels also taking into account the beamforming gain (Y) if applicable</p> <p><b>Power Level 1:</b> <u>          </u><br/>         Number of antenna assemblies provided for this power level:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Assembly #</th> <th style="width: 20%;">Gain (dBi)</th> <th style="width: 20%;">e.i.r.p.(dBm)</th> <th style="width: 45%;">Part number or model name</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td></tr> </tbody> </table> <p>Note: Add more rows in case more antenna assemblies are supported for this power level.</p> <p><b>Power Level 2:</b> <u>          </u><br/>         Number of antenna assemblies provided for this power level:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Assembly #</th> <th style="width: 20%;">Gain (dBi)</th> <th style="width: 20%;">e.i.r.p.(dBm)</th> <th style="width: 45%;">Part number or model name</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td></tr> </tbody> </table> <p>Note: Add more rows in case more antenna assemblies are supported for this power level.</p> | Assembly #    | Gain (dBi)                | e.i.r.p.(dBm) | Part number or model name | 1 |  |  |  | 2 |  |  |  | 3 |  |  |  | 4 |  |  |  | Assembly # | Gain (dBi) | e.i.r.p.(dBm) | Part number or model name | 1 |  |  |  | 2 |  |  |  | 3 |  |  |  | 4 |  |  |  |
| Assembly #  | Gain (dBi)   | e.i.r.p.(dBm) | Part number or model name |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |            |            |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1   |  |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |            |            |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 2   |  |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |            |            |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 3   |  |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |            |            |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 4   |  |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |            |            |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| Assembly #  | Gain (dBi)   | e.i.r.p.(dBm) | Part number or model name |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |            |            |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1   |  |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |            |            |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 2   |  |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |            |            |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 3   |  |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |            |            |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 4   |  |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |            |            |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |

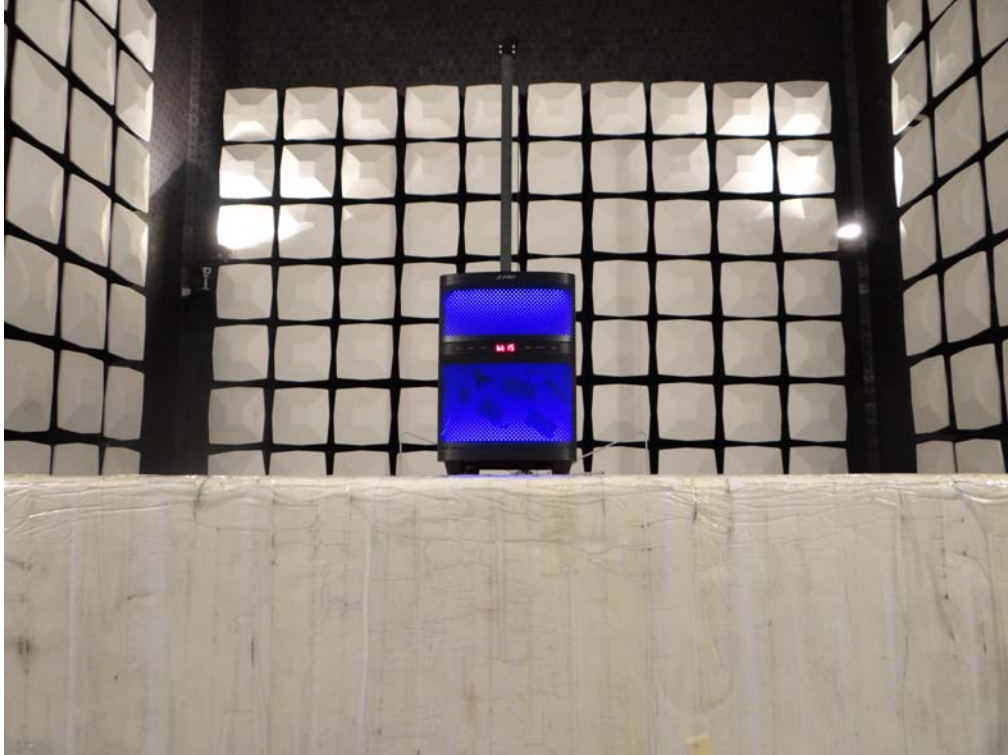
|   | <p><b>Power Level 3:</b> _____<br/>Number of antenna assemblies provided for this power level:</p> <table border="1" data-bbox="523 320 1417 533"> <thead> <tr> <th>Assembly #</th> <th>Gain (dBi)</th> <th>e.i.r.p.(dBm)</th> <th>Part number or model name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Note: Add more rows in case more antenna assemblies are supported for this power level.</p>   | Assembly #    | Gain (dBi)                | e.i.r.p.(dBm) | Part number or model name | 1 |  |  |  | 2 |  |  |  | 3 |  |  |  | 4 |  |  |  |
|---|---|---------------|---------------------------|---------------|---------------------------|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
| Assembly #  | Gain (dBi)  | e.i.r.p.(dBm) | Part number or model name |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1   |   |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 2   |   |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 3   |   |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 4   |   |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <p><b>n) The nominal voltages of the stand-alone radio equipment or the nominal voltages of the combined (host) equipment or test jig in case of plug-in devices:</b></p> | <p>Details provided are for the:    <input type="checkbox"/> stand-alone equipment<br/>  <input checked="" type="checkbox"/> combined (or host) equipment<br/>  <input type="checkbox"/> test jig</p> <p>Supply Voltage    <input checked="" type="checkbox"/> AC mains State AC voltage _____ 230 _____ V<br/>  <input type="checkbox"/> DC      State DC voltage _____ V</p> <p>In case of DC, indicate the type of power source</p> <p><input type="checkbox"/> Internal Power Supply<br/><input type="checkbox"/> External Power Supply or AC/DC adapter<br/><input type="checkbox"/> Battery<br/><input type="checkbox"/> Other: _____</p> |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <p><b>o) Describe the test modes available which can facilitate testing:</b></p>  | <p>The EUT provides TX Mode to control RF signal transmission</p>   |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <p><b>p) The equipment type (e.g. Bluetooth®, IEEE 802.11™ [i.3], proprietary, etc.):</b></p>   | <p>Bluetooth®</p>   |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <p><b>q) If applicable, the statistical analysis referred to in clause 5.3.1 q)</b></p>   | <p>(to be provided as separate attachment)</p>  |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <p><b>r) If applicable, the statistical analysis referred to in clause 5.3.1 r)</b></p>   | <p>(to be provided as separate attachment)</p>  |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <p><b>s) Geo-location capability supported by the equipment:</b></p>  | <p><input type="checkbox"/> Yes<br/>    <input type="checkbox"/> The geographical location determined by the equipment as defined in clause 4.3.1.13.2 or clause 4.3.2.12.2 is not accessible to the user.<br/>    <input type="checkbox"/> No</p>  |               |                           |               |                           |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |



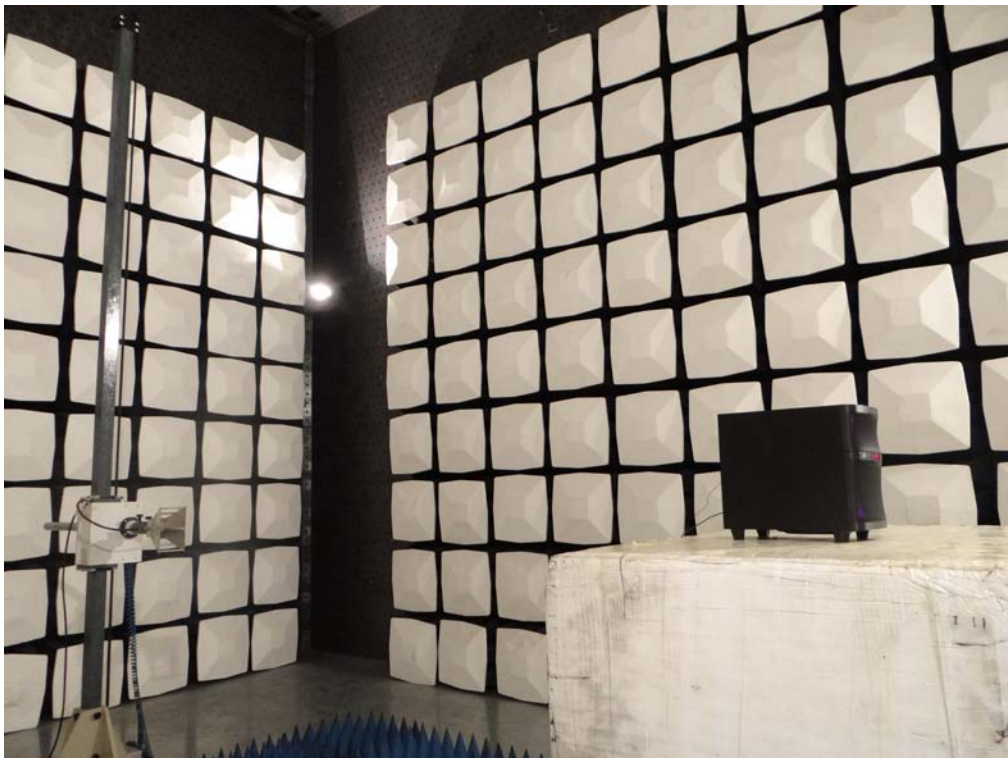
## **APPENDIX II**

### **PHOTOGRPHS OF TEST SETUP**

## Radiated Emission Below 1 GHz



## Radiated Emission Above 1 GHz



---End---