

<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	<b>50296846 001</b>	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	238109325	Seite 1 von 38 <i>Page 1 of 38</i>
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	N/A	<b>Auftragsdatum:</b> <i>Order date:</i>	28-Aug-2019	
<b>Auftraggeber:</b> <i>Client:</i>	Pass & Seymour, Inc. d/b/a Legrand 301 Fulling Mill Road, Suite G, Middletown, PA 17057			
<b>Prüfgegenstand:</b> <i>Test item:</i>	Window / Door Sensor			
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	HKDS1			
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	FCC Part 15C / IC RSS-247 Test report			
<b>Prüfgrundlage:</b> <i>Test specification:</i>	FCC 47CFR Part 15: Subpart C Section 15.247 FCC 47CFR Part 2: Subpart J Section 2.1091 RSS-247 Issue 2, Feb 2017 RSS-102 Issue 5, March 2015			
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	29-Aug-2019			
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	A000982204-003 A000982204-004			
<b>Prüfzeitraum:</b> <i>Testing period:</i>	29-Aug-2019 ~ 24-Sep-2019			
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	EMC/RF Laboratory Taipei			
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	TUV Rheinland Taiwan Ltd.			
<b>Prüfergebnis*:</b> <i>Test result*:</i>	Pass			
<b>geprüft von / tested by:</b>		<b>kontrolliert von / reviewed by:</b>		
01-Oct-2019 Mars Y. J. Lin / Project Engineer		01-Oct-2019 Arvin Ho / Vice General Manager		
<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>
				<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges / Other:</b>				
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/T = not tested
<p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b>  <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>				

## TEST SUMMARY

### 5.1.1 ANTENNA REQUIREMENT

RESULT: *Passed*

### 5.1.2 PEAK OUTPUT POWER

RESULT: *Passed*

### 5.1.3 6dB BANDWIDTH AND 99% BANDWIDTH

RESULT: *Passed*

### 5.1.4 POWER DENSITY

RESULT: *Passed*

### 5.1.5 CONDUCTED SPURIOUS EMISSIONS AND FREQUENCY BAND EDGE MEASURED IN 100KHZ BANDWIDTH

RESULT: *Passed*

### 5.1.6 SPURIOUS EMISSION

RESULT: *Passed*

### 6.1.1 ELECTROMAGNETIC FIELDS

RESULT: *Passed*

## Contents

<b>1.</b>	<b>GENERAL REMARKS .....</b>	<b>5</b>
<b>1.1</b>	<b>COMPLEMENTARY MATERIALS.....</b>	<b>5</b>
<b>1.2</b>	<b>DECISION RULE OF CONFORMITY.....</b>	<b>5</b>
<b>2.</b>	<b>TEST SITES .....</b>	<b>6</b>
<b>2.1</b>	<b>TEST LABORATORY .....</b>	<b>6</b>
<b>2.2</b>	<b>TEST FACILITY.....</b>	<b>6</b>
<b>2.3</b>	<b>LIST OF TEST AND MEASUREMENT INSTRUMENTS.....</b>	<b>7</b>
<b>2.4</b>	<b>TRACEABILITY .....</b>	<b>8</b>
<b>2.5</b>	<b>CALIBRATION .....</b>	<b>8</b>
<b>2.6</b>	<b>MEASUREMENT UNCERTAINTY .....</b>	<b>8</b>
<b>3.</b>	<b>GENERAL PRODUCT INFORMATION.....</b>	<b>9</b>
<b>3.1</b>	<b>PRODUCT FUNCTION AND INTENDED USE .....</b>	<b>9</b>
<b>3.2</b>	<b>SYSTEM DETAILS AND RATINGS.....</b>	<b>9</b>
<b>3.3</b>	<b>INDEPENDENT OPERATION MODES.....</b>	<b>10</b>
<b>3.4</b>	<b>NOISE GENERATING AND NOISE SUPPRESSING PARTS .....</b>	<b>10</b>
<b>3.5</b>	<b>SUBMITTED DOCUMENTS.....</b>	<b>10</b>
<b>4.</b>	<b>TEST SET-UP AND OPERATION MODES.....</b>	<b>11</b>
<b>4.1</b>	<b>PRINCIPLE OF CONFIGURATION SELECTION .....</b>	<b>11</b>
<b>4.2</b>	<b>TEST OPERATION AND TEST SOFTWARE.....</b>	<b>11</b>
<b>4.3</b>	<b>SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT .....</b>	<b>12</b>
<b>4.4</b>	<b>COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE.....</b>	<b>12</b>
<b>4.5</b>	<b>TEST SETUP DIAGRAM .....</b>	<b>12</b>
<b>5.</b>	<b>TEST RESULTS .....</b>	<b>14</b>
<b>5.1</b>	<b>TRANSMITTER REQUIREMENT &amp; TEST SUITES.....</b>	<b>14</b>
<b>5.1.1</b>	<i>Antenna Requirement.....</i>	<i>14</i>
<b>5.1.2</b>	<i>Peak Output Power.....</i>	<i>15</i>
<b>5.1.3</b>	<i>6dB Bandwidth and 99% Bandwidth.....</i>	<i>16</i>
<b>5.1.4</b>	<i>Power Density.....</i>	<i>22</i>
<b>5.1.5</b>	<i>Conducted spurious emissions and Frequency Band Edge measured in 100kHz Bandwidth.....</i>	<i>26</i>
<b>5.1.6</b>	<i>Spurious Emission .....</i>	<i>32</i>
<b>6.</b>	<b>SAFETY HUMAN EXPOSURE .....</b>	<b>33</b>
<b>6.1</b>	<b>RADIO FREQUENCY EXPOSURE COMPLIANCE .....</b>	<b>33</b>
<b>6.1.1</b>	<i>Electromagnetic Fields.....</i>	<i>33</i>

**Prüfbericht - Nr.: 50296846 001**  
*Test Report No.*

**Seite 4 von 38**  
*Page 4 of 38*

<b>7.</b>	<b>PHOTOGRAPHS OF THE TEST SET-UP.....</b>	<b>34</b>
<b>8.</b>	<b>LIST OF TABLES .....</b>	<b>38</b>
<b>9.</b>	<b>LIST OF PHOTOGRAPHS.....</b>	<b>38</b>

## 1. General Remarks

### 1.1 Complementary Materials

The following attachments are integral parts of this test report:

**Appendix P: Photo Documentation internal view**  
(File Name: 50296846 001 Appendix P)

**Appendix D: Test Result of Radiated Emissions**  
(File Name: 50296846 001 Appendix D)

Test Specifications

The following standards were applied.

**Table 1: Applied Standard and Test Levels**

<b>Radio</b>
FCC 47CFR Part 15: Subpart C Section 15.247
FCC 47CFR Part 2: Subpart J Section 2.1091
RSS-247 Issue 2, Feb 2017
RSS-102 Issue 5, March 2015
RSS-Gen, Issue 5, March 2019
ANSI C63.10:2013
KDB558074 D01 DTS Meas Guidance v05r02
KDB447498 D01 General RF Exposure Guidance v06

### 1.2 Decision Rule of conformity

The decision rule of conformity of this test report is following the requirements of the requested standard in the quotation, and agreed among testing laboratory and manufacturer (applicant) to exclude the consideration of Measurement Uncertainty, unless it is required by the specific standard.

## 2. Test Sites

### 2.1 Test Laboratory

TUV Rheinland Taiwan Ltd.  
Taipei Testing Laboratories

11F. No.758, Sec. 4, Bade Rd., Songshan Dist.  
Taipei City 105  
Taiwan (R.O.C.)

### 2.2 Test Facility

TUV Rheinland Taiwan Ltd.

11F. No.758, Sec. 4, Bade Rd., Songshan Dist.  
Taipei City 105  
Taiwan (R.O.C.)

FCC Registration No.: 180491  
IC Canada Registration No.: 9465A  
TAF Accredited NCC Test Lab. No.:3567  
TAF ISO17025 Certification effective period: 6<sup>th</sup>-May-2019 to 05<sup>th</sup>-May-2022



**Testing Laboratory**  
**3567**

## 2.3 List of Test and Measurement Instruments

**Table 2: List of Test and Measurement Equipment**

<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Cal. Date</b>	<b>Cal. Due Date</b>
EMI Test Receiver	Rohde & Schwarz	ESR 7	101062	2018/10/01	2019/10/01
Spectrum Analyzer	Rohde & Schwarz	FSV-40	100921	2019/04/30	2020/04/30
Pre-Amplifier	Hewlett Packard	8447D	2944A06641	2019/01/08	2020/01/08
Pre-Amplifier	EM Electronics	EM01G18G	060558	2018/11/30	2019/11/30
Pre-Amplifier	EMC Instruments	EMC184045SE	980408	2019/06/12	2020/06/14
Bilog Antenna	TESEQ	CBL 6111D	29804	2019/07/12	2020/07/12
Horn Antenna	ETS-Lindgren	3117	00138160	2019/06/24	2020/06/24
Horn Antenna	Com-Power	AH-840	101029	2018/12/22	2019/12/22
Loop Antenna	Schwarzbeck	FMZB 1513	1513-076	2019/07/11	2020/07/11
Test Software	Audix	e3	Ver. 9	N/A	N/A
Spectrum Analyzer	Agilent	N9010A	MY53470241	2019/06/17	2020/06/17
Power Meter	Anritu	ML2495A	1901008	2019/04/29	2020/04/29

## 2.4 Traceability

All measurement equipment calibrations are traceable to NML(Taiwan)/NIST(USA) or where calibration is performed outside Taiwan, to equivalent nationally recognized standards organizations.

## 2.5 Calibration

Equipment requiring calibration is calibrated periodically in a suitably accredited Calibration Lab. Additionally all equipment is verified for proper performance on a regular schedule using in house standards or comparisons.

## 2.6 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements .

**Table 3: Emission Measurement Uncertainty**

Parameter	Uncertainty
Radio Frequency	± 0.1 ppm
RF power/RF Exposure(MPE), conducted	± 1.5 dB
RF power density, conducted	± 3 dB
spurious emissions, conducted	± 3 dB
all emissions, radiated	± 6 dB
Temperature	± 1 °C
Humidity	± 5 %
DC and low frequency voltages	±3 %



## 3. General Product Information

### 3.1 Product Function and Intended Use

The EUT is a Door Sensor. It contains a Bluetooth compatible chip enabling the user to communicate data through a Wireless interface.  
For details refer to the User Guide, Data Sheet and Circuit Diagram.

### 3.2 System Details and Ratings

**Table 4: Basic Information of EUT**

Item	EUT information
Kind of Equipment/Test Item	Window / Door Sensor
Type Identification	HKDS1
FCC ID	YV8-SA7181
IC	9922A-SA7181
HVIN	HKDS1

**Table 5: Technical Specification of EUT**

Technical Specification	Value
Operating Frequencies	2402~2480MHz
Channel number	40
Operation Voltage	3.6Vdc
Modulation	LE 1M: GFSK LE 2M: GFSK
Antenna gain	3.02dBi

### **3.3 Independent Operation Modes**

Basic operation modes are:

- A. Transmitting
  - 1. Low channel
  - 2. Middle channel
  - 3. High channel
- B. Receiving
- C. Standby
- D. Off

### **3.4 Noise Generating and Noise Suppressing Parts**

Refer to the Circuit Diagram.

### **3.5 Submitted Documents**

- Circuit Diagram
- Blocking Diagram
- Rating Label
- Technical Description

## 4. Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

The test modes were adapted accordingly in reference to the instructions for use.

During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

**Table 6: Table for Parameters of Test Software Setting**

Mode, Data Rate	Channel Frequency		
	2402 MHz	2440 MHz	2480 MHz
BLE, 1M	4	4	3
BLE, 2M	4	4	4

### 4.2 Test Operation and Test Software

Setup for testing: Setup for testing: Test samples are provided with USB interface which makes it possible to control them through a test software installed on a notebook computer.

This software nRF\_DTM was running on the laptop computer connected to the EUT. It was used to enable the operation modes listed in section 3.3 as appropriate.

The samples were used as follows:

Conducted: A000982204-003

Radiation: A000982204-004

Full test was applied on all test modes, but only worst case was show

### 4.3 Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

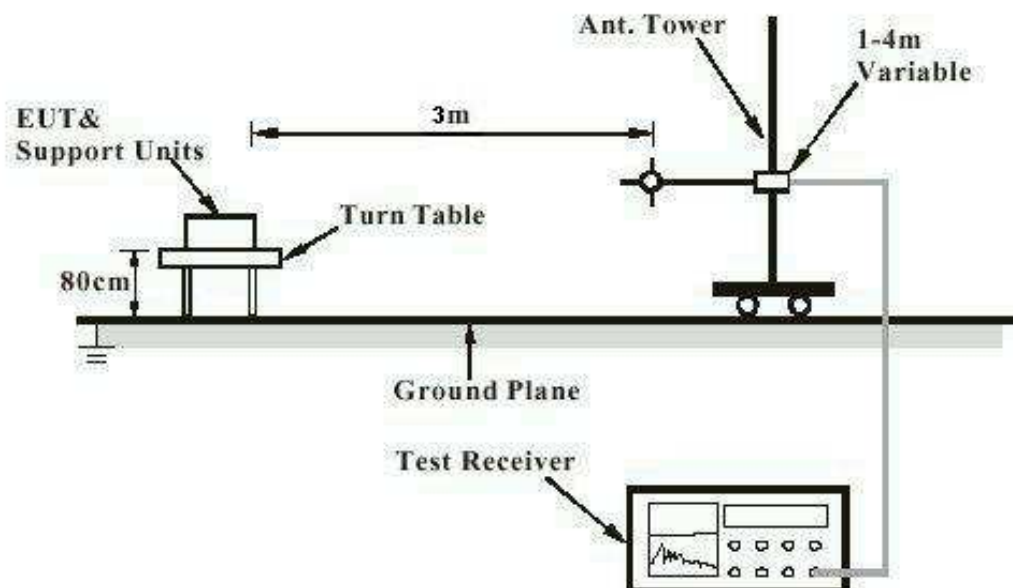
Kind of Equipment	Manufacturer	Model Name	S/N
Notebook(EMC-06)	Lenovo	TP00048A	PB-0F8B2

### 4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

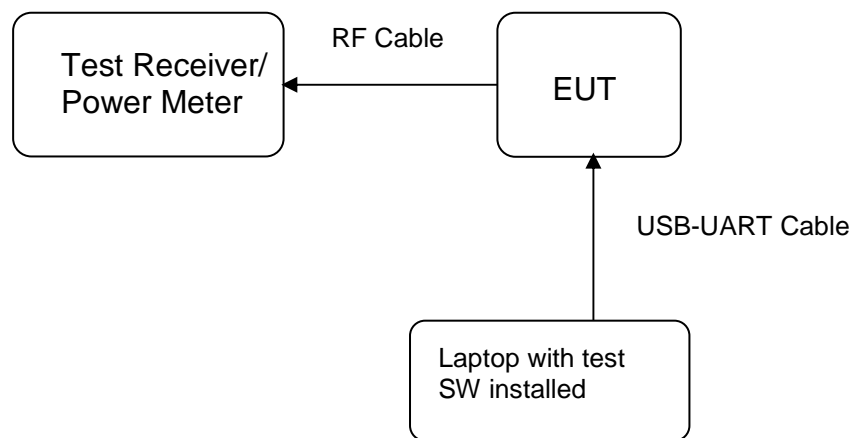
### 4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test



Note: Measurements above 1 GHz are done with a table height of 1.5m

**Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement**



## 5. Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Antenna Requirement

**RESULT:** **Passed**

Test standard : FCC Part 15.247(b)(4), Part 15.203, RSS-Gen  
6.8

Requirement : use of approved antennas only with directional gains that  
do not exceed 6 dBi

According to the manufacturer declaration, the EUT has an antenna with a directional gain of 3.02dBi. The antenna is a printed trace with no possibility of replacement with a non-approved antenna by the end-user. Therefore, the EUT is considered to comply with this provision.

Refer to EUT photo for details.

### 5.1.2 Peak Output Power

**RESULT:**
**Passed**

Test standard : FCC Part 15.247(b)(3), RSS-247 5.4(d)  
 Basic standard : ANSI C63.10:2013, KDB558074  
 Limit : 1 Watt  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A  
  
 Ambient temperature : 20-24 °C  
 Relative humidity : 50-65 %  
 Atmospheric pressure : 100-103 kPa

**Table 7: Test result of Peak Output Power, LE 1M**

Channel	Channel Frequency (MHz)	Output Power		Limit (W)
		(dBm)	(W)	
Low Channel	2402	3.69	0.00234	1
Middle Channel	2440	3.87	0.00244	1
High Channel	2480	2.50	0.00178	1

**Table 8: Test result of Peak Output Power, LE 2M**

Channel	Channel Frequency (MHz)	Output Power		Limit (W)
		(dBm)	(W)	
Low Channel	2402	3.67	0.00233	1
Middle Channel	2440	3.85	0.00243	1
High Channel	2480	3.52	0.00225	1

### 5.1.3 6dB Bandwidth and 99% Bandwidth

**RESULT:**
**Passed**

Test standard : FCC Part 15.247(a)(2) , RSS-247 5.2(a)  
 RSS-Gen  
 Basic standard : ANSI C63.10:2013, KDB558074  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A  
  
 Ambient temperature : 20-24°C  
 Relative humidity : 50-65%  
 Atmospheric pressure : 100-103 kPa

**Table 9: Test result of 6dB Bandwidth, LE 1M**

Channel	Channel Frequency (MHz)	6dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2402	698.5	>500	Pass
Mid Channel	2440	690.4	>500	Pass
High Channel	2480	690.1	>500	Pass

**Table 10: Test result of 6dB Bandwidth, LE 2M**

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit (kHz)	Result
Low Channel	2402	1.149	>500	Pass
Mid Channel	2440	1.149	>500	Pass
High Channel	2480	1.143	>500	Pass



**Table 11: Test result of 99% Bandwidth, LE 1M**

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
Mid Channel	2440	1.0531

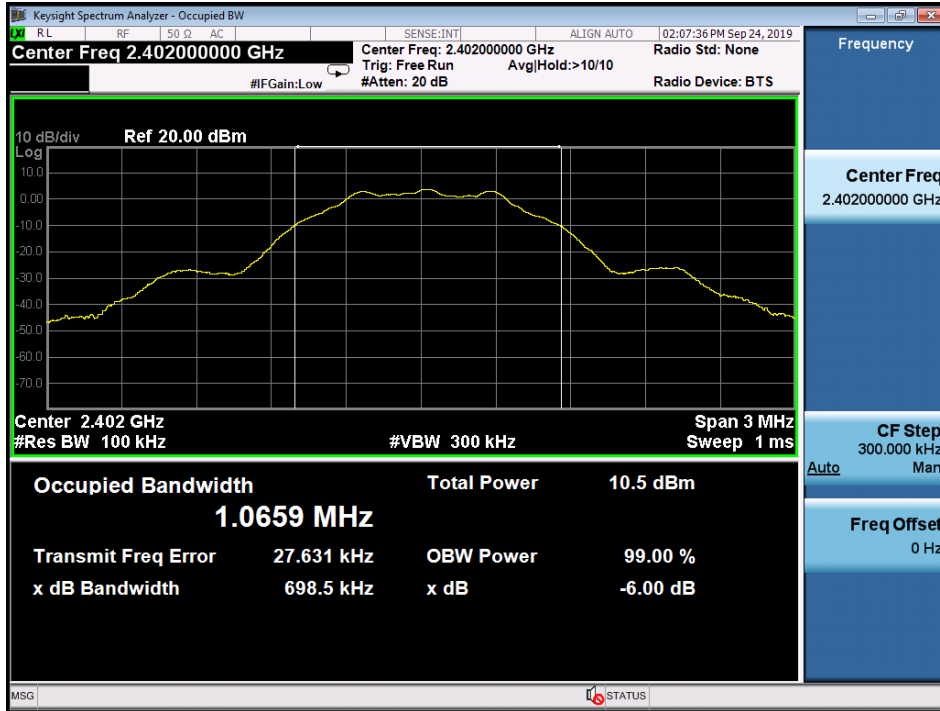
**Table 12: Test result of 99% Bandwidth, LE 2M**

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
Mid Channel	2440	2.0569

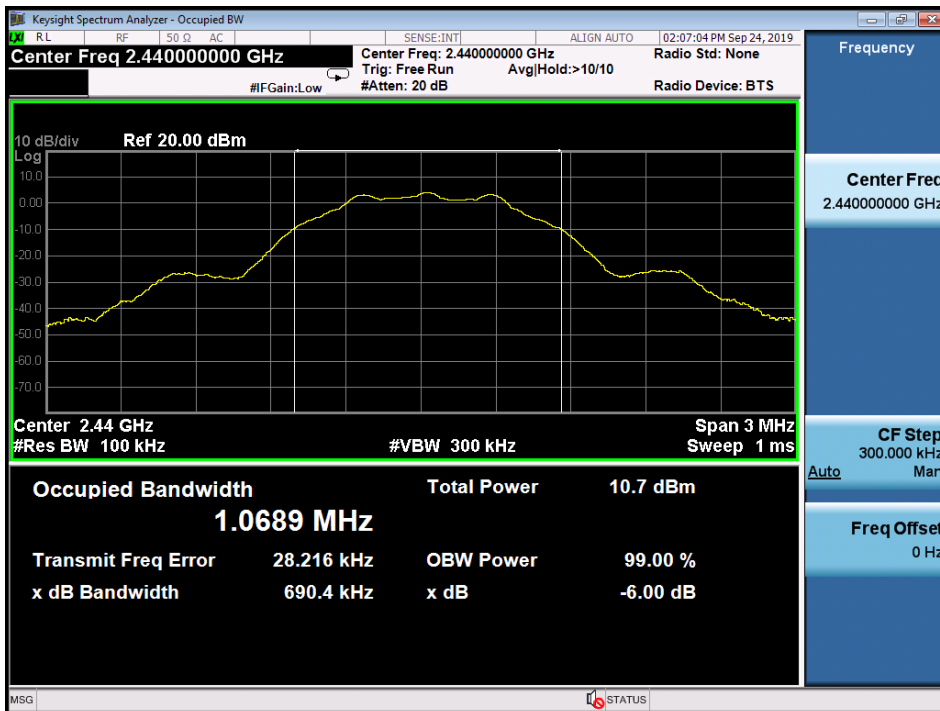
## Test Plot of 6dB Bandwidth

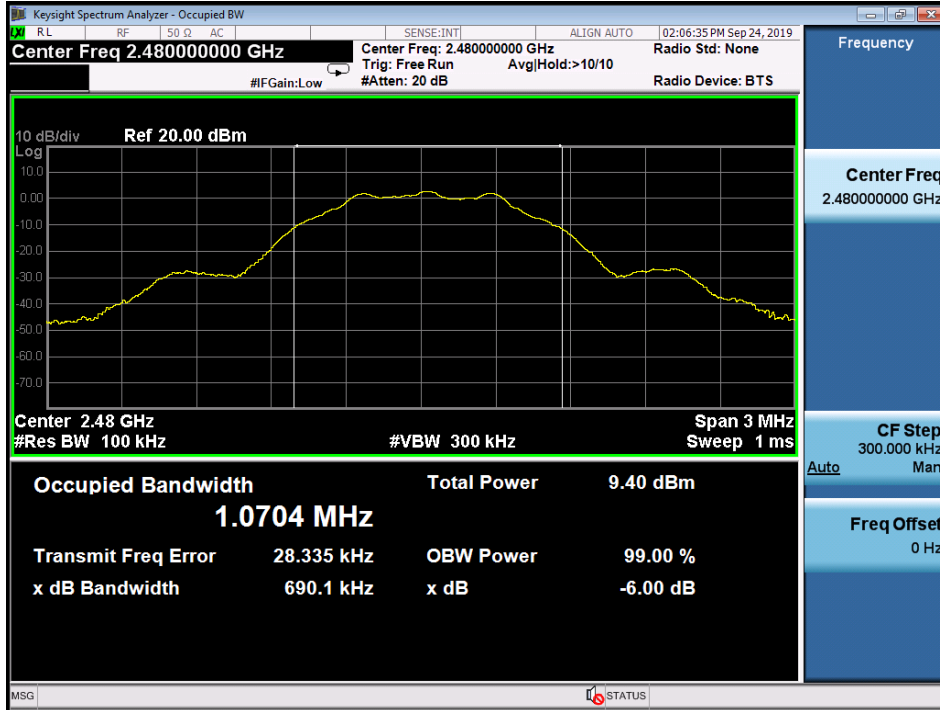
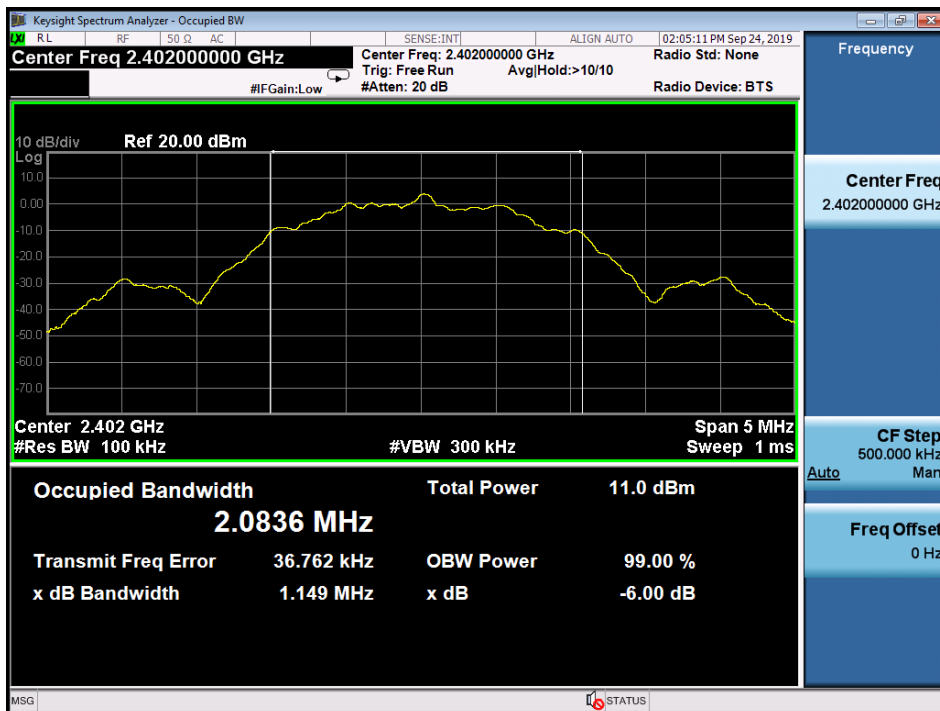
### BLE 1M

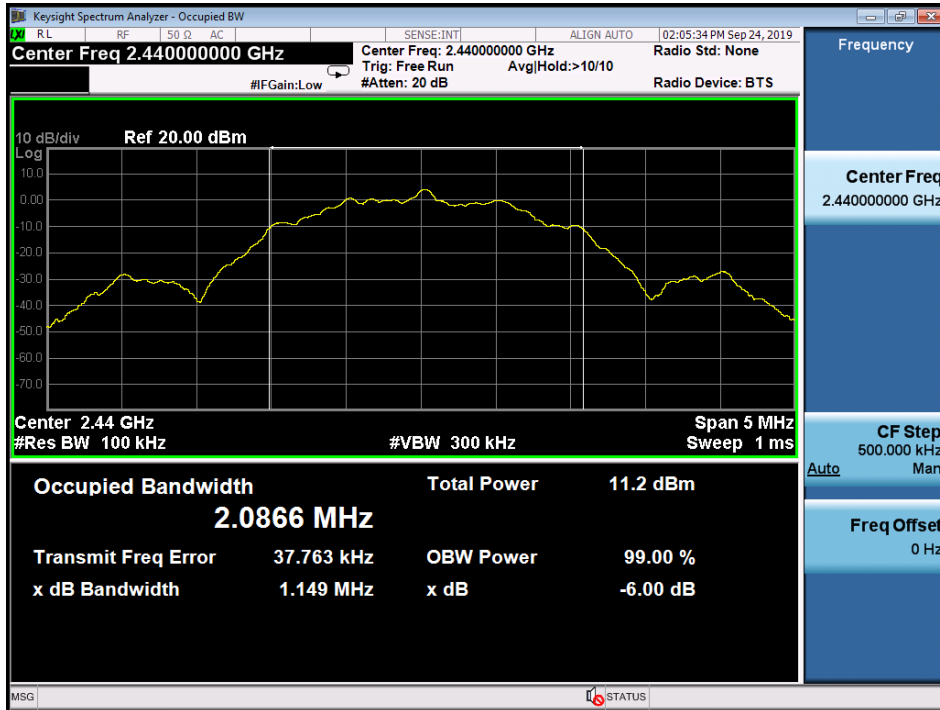
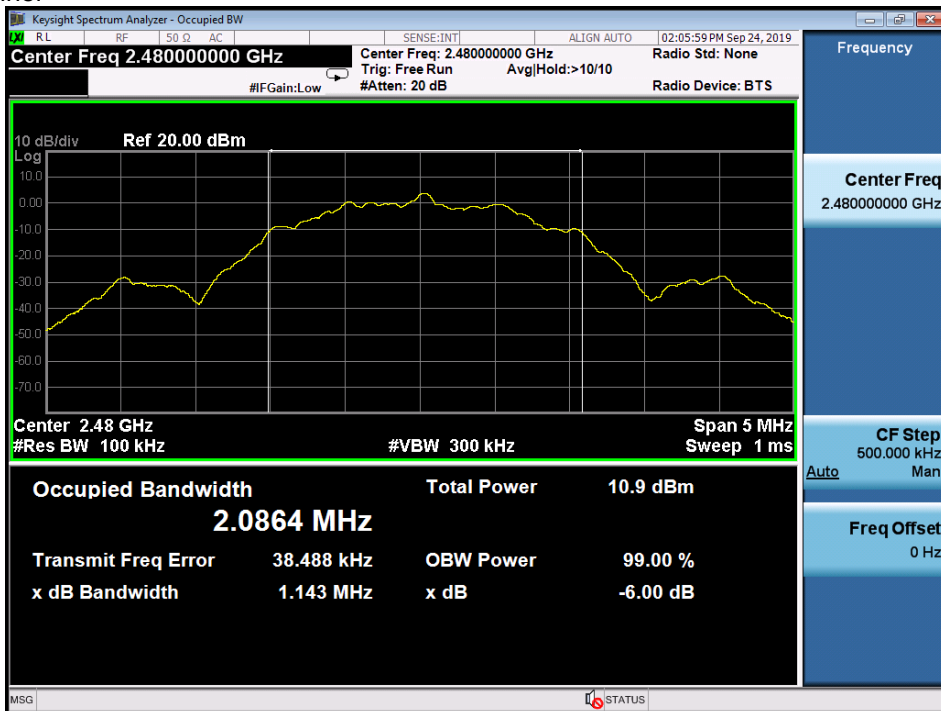
Low Channel



Middle Channel



**High Channel**

**BLE 2M**
**Low Channel**


**Middle Channel**

**High Channel**


## Test Plot of 99% Bandwidth

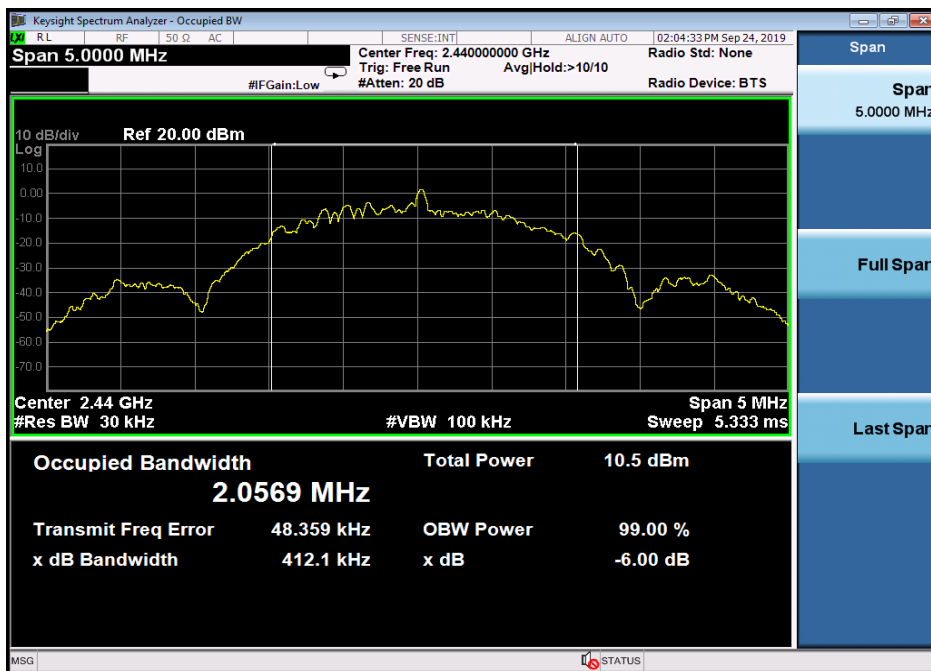
### BLE 1M

Middle Channel



### BLE 2M

Middle Channel



### 5.1.4 Power Density

**RESULT:**
**Passed**

Test standard : FCC Part 15.247(e), RSS-247 5.2(b)  
 Basic standard : ANSI C63.10:2013, KDB558074  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A  
 Ambient temperature : 20-24°C  
 Relative humidity : 50-65%  
 Atmospheric pressure : 100-103 kPa

**Table 13: Test result of Power Density, LE 1M**

Channel	Channel Frequency (MHz)	Power Density	Limit
		(dBm)	(dBm)
Low Channel	2402	-11.27	8
Middle Channel	2440	-11.19	8
High Channel	2480	-12.62	8

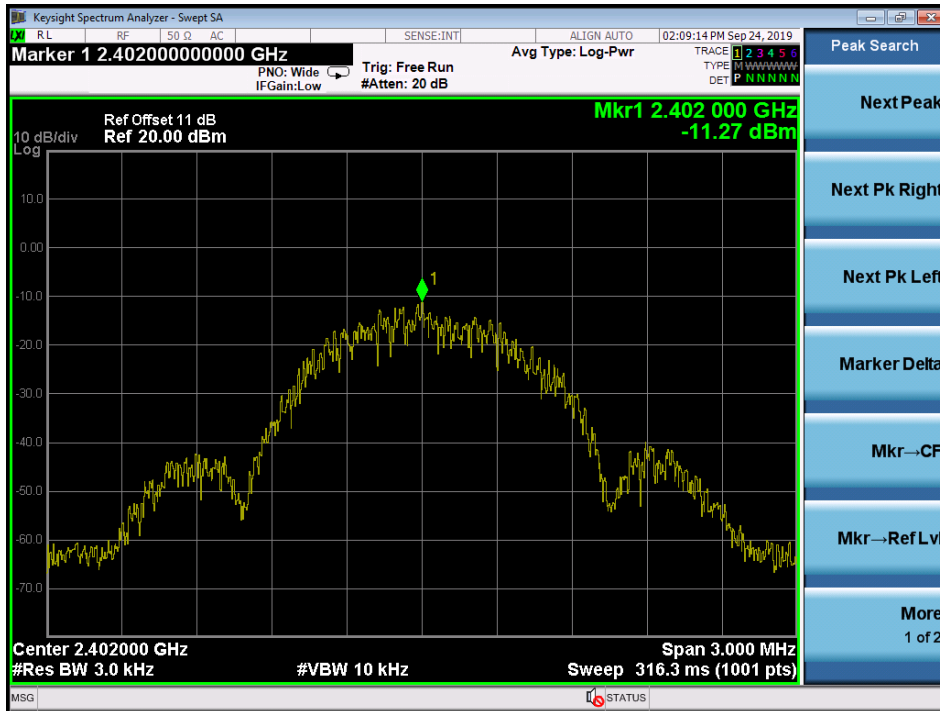
**Table 14: Test result of Power Density, LE 2M**

Channel	Channel Frequency (MHz)	Power Density	Limit
		(dBm)	(dBm)
Low Channel	2402	-13.74	8
Middle Channel	2440	-13.68	8
High Channel	2480	-13.97	8

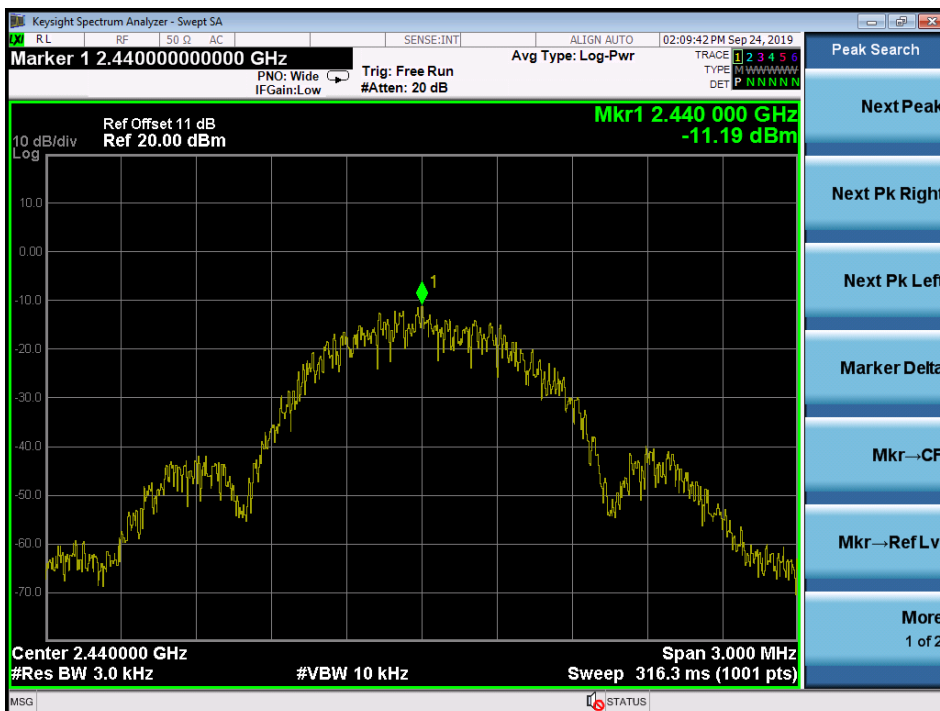
## Test Plot of Power Density

### BLE 1M

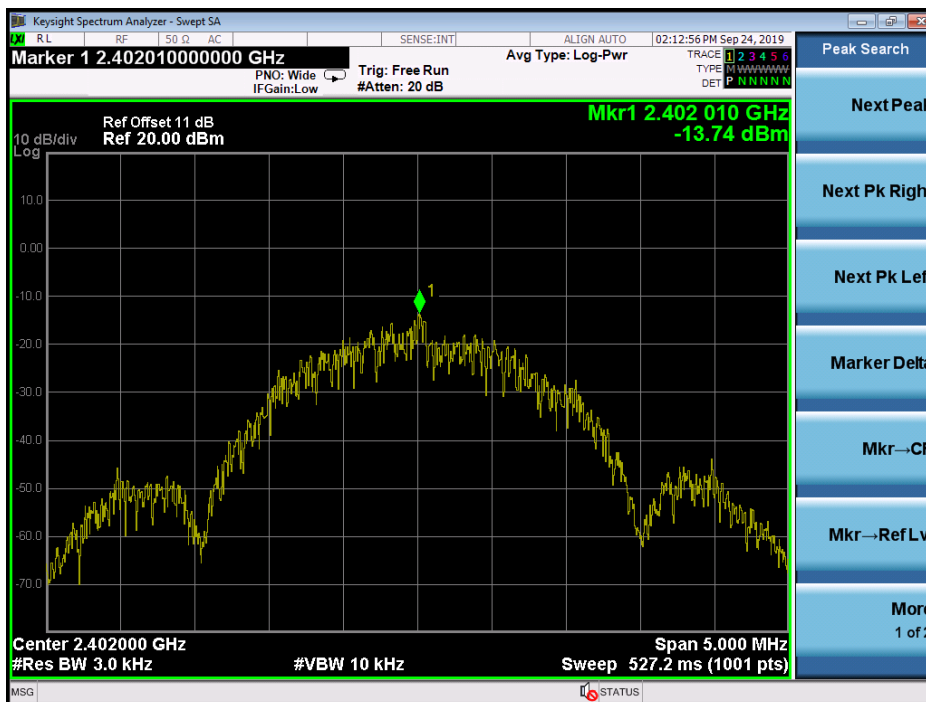
Low Channel



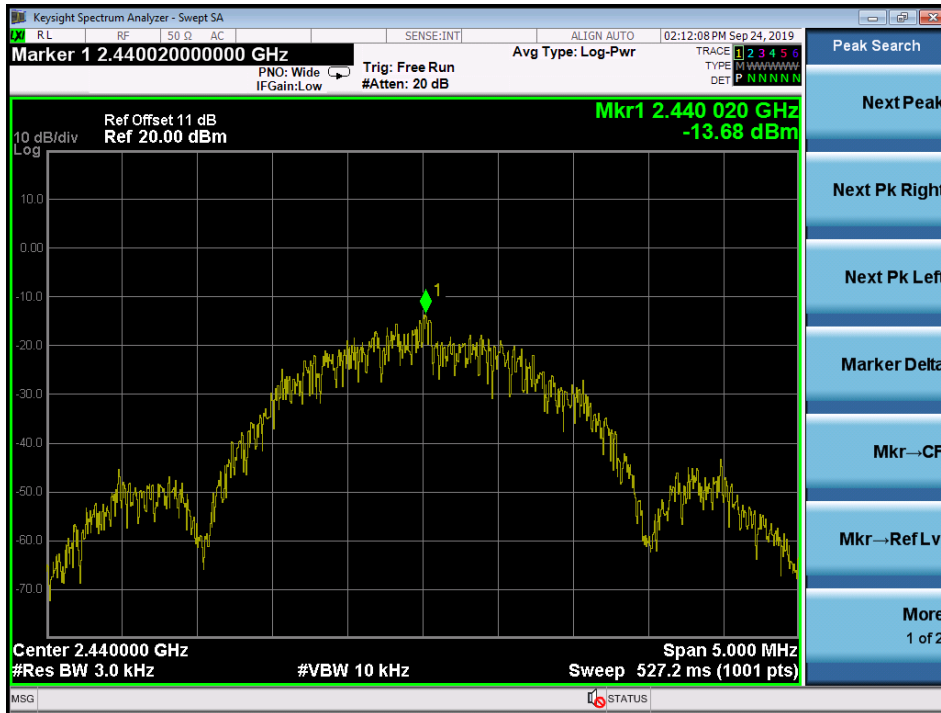
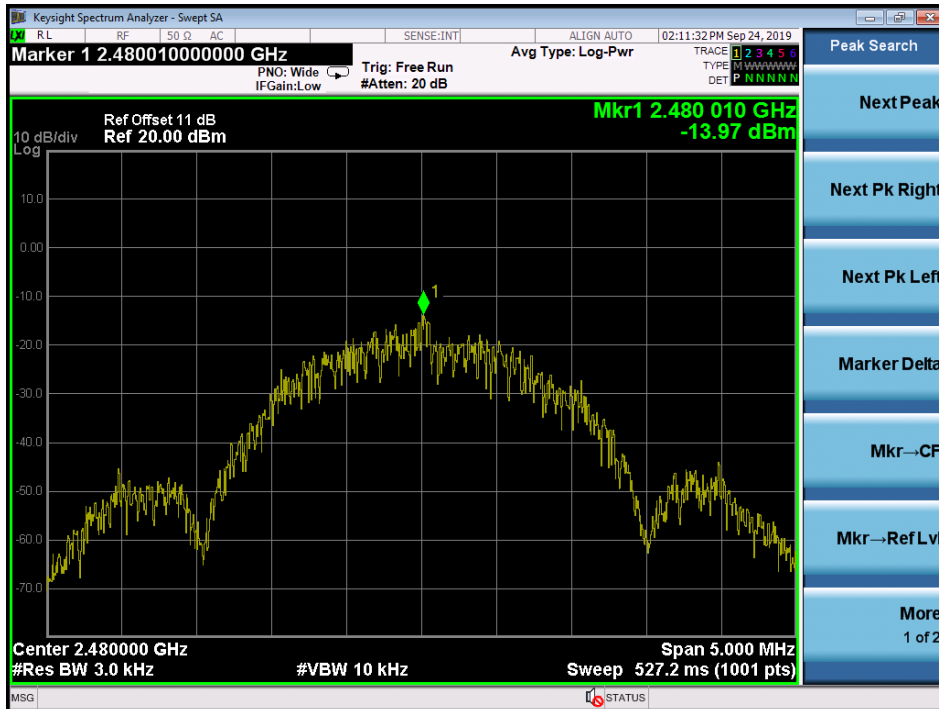
Middle Channel



**High Channel**

**BLE 2M**
**Low Channel**




**Middle Channel**

**High Channel**


### 5.1.5 Conducted spurious emissions and Frequency Band Edge measured in 100kHz Bandwidth

**RESULT:** **Passed**

Test standard : FCC part 15.247(d), RSS-247 5.5  
Basic standard : ANSI C63.10:2013, KDB558074  
Limit : 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power)  
Kind of test site : Shielded room

#### Test setup

Test Channel : Low/ Middle/ High for Conducted Spurious Emissions  
Low/ High for Frequency Band Edge  
Operation Mode : A  
Ambient temperature : 20-24°C  
Relative humidity : 50-65%  
Atmospheric pressure : 100-103 kPa

All emissions are more than 20dB below fundamental, details refer to following test plot, and compliance is achieved as well.

Due to the small size of the RF circuit and that there are no inductive components of significant size connected to the antenna port, 9kHz to 30MHz frequency range is not tested based on technical judgment.



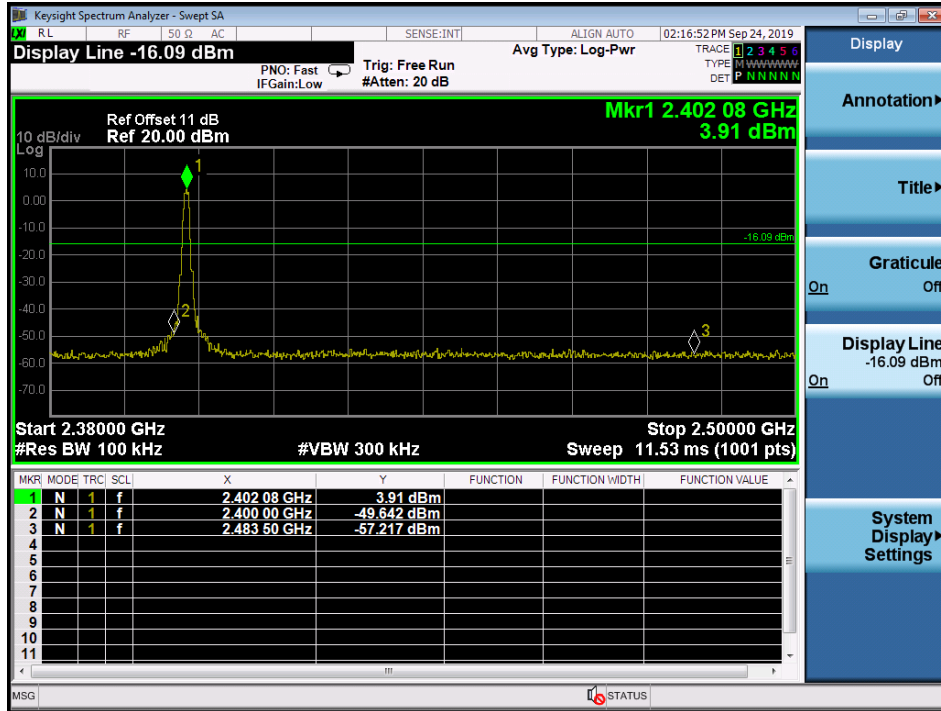




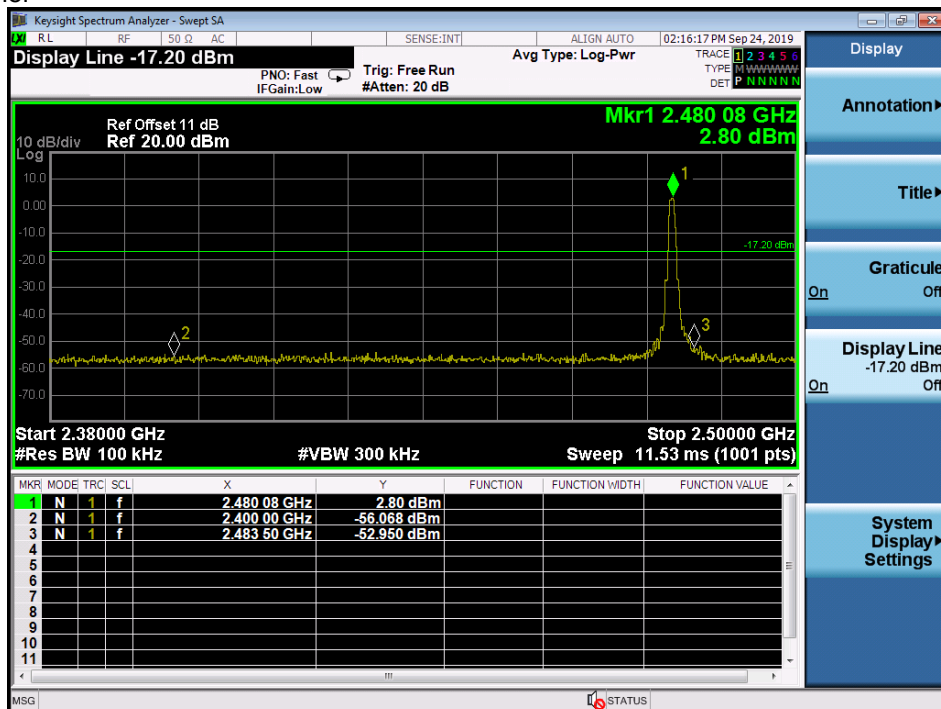
## Test Plot 100kHz RBW of Band Edge

### BLE 1M

Low Channel

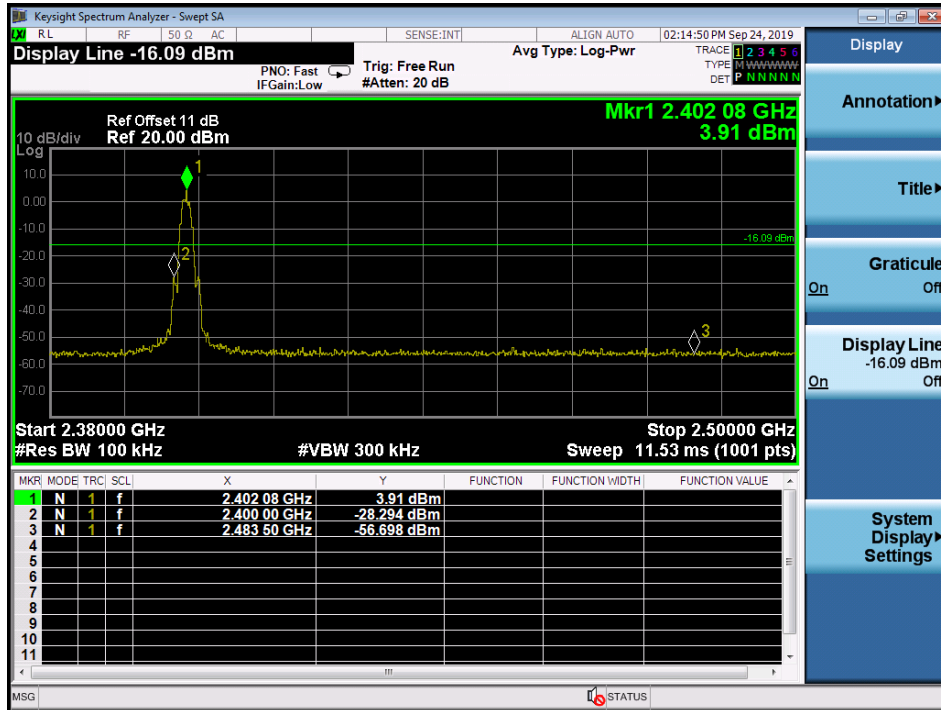


High Channel

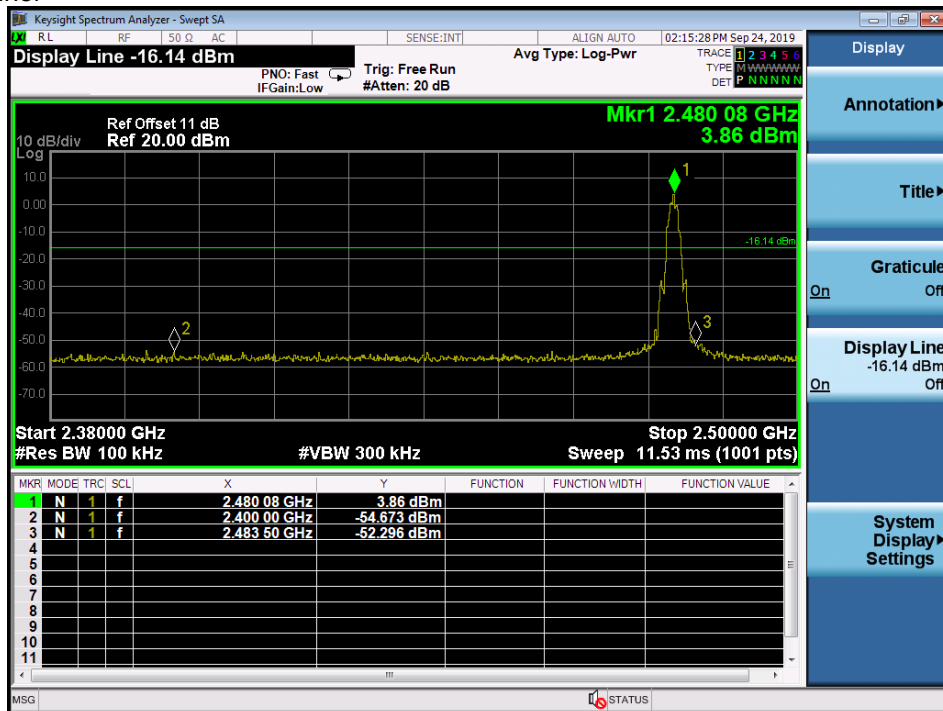


**BLE 2M**

## Low Channel



## High Channel



### 5.1.6 Spurious Emission

**RESULT:****Passed**

Test standard : FCC part 15.247(d), FCC 15.205, FCC 15.209  
RSS-Gen 8.9 and RSS-Gen 8.10  
Basic standard : ANSI C63.10: 2013  
Limits : Radiated emissions which fall in the restricted bands, as defined in FCC 15.205(a) and RSS-Gen i5, 8.10 (Table 7), must comply with the radiated emission limits specified in FCC 15.209(a) and RSS-Gen i5, 8.9 (Table 5 and 6).

Emission radiated outside the restricted and authorized frequency bands must either comply with the radiated emission limits specified for the restricted bands or in FCC15.247(d) and RSS-247 i2, 5.5

Kind of test site : 3m Semi-Anechoic Chamber

**Test setup**

Test Channel : Refer to Appendix D  
Operation mode : A

Ambient temperature : 20-24 °C  
Relative humidity : 50-65 %  
Atmospheric pressure : 100-103 kPa

Factor (dB/m)=Antenna Factor(dB/m)+Cable loss (dB)

Level(dBuV/m)=Reading(dBuV)+ Factor(dB/m)

Testing was carried out within frequency range 9kHz to the tenth harmonic. For details refer to Appendix D. The Radiated Emissions testing was performed in the X, Y and Z axis orientation. The worst-case Axis orientation is recorded in this test report.



## 6. Safety Human exposure

### 6.1 Radio Frequency Exposure Compliance

#### 6.1.1 Electromagnetic Fields

**RESULT:**
**Passed**

Test standard : FCC KDB Publication 447498 D01 v06  
 RSS-102

Separation distance is more than 20 cm, thus mobile device exposure limits can be applied.

**Maximum Exposure:**

Power to Antenna (mW)	2.44 mW
Power to Antenna (dBm)	3.9 dBm
Antenna Gain	3.02 dBi
Power+Ant Gain	4.9 mW
Distance	20 cm
S=	0.001 mW/cm <sup>2</sup>

**Limit FCC:**

0.3-1.34 MHz (100) mW/cm<sup>2</sup>  
 1.34-30 MHz (180/f<sup>2</sup>) mW/cm<sup>2</sup>  
 30-300 MHz 0.2 mW/cm<sup>2</sup>  
 300-1500 MHz f/1500 mW/cm<sup>2</sup>  
**1500-100,000 MHz 1.0 mW/cm<sup>2</sup>**

**Limit Canada:**  $0.02619f^{0.6834}$

## 7. Photographs of the Test Set-Up

**Photograph 1: Set-up for Spurious Emissions (Front View 1)**



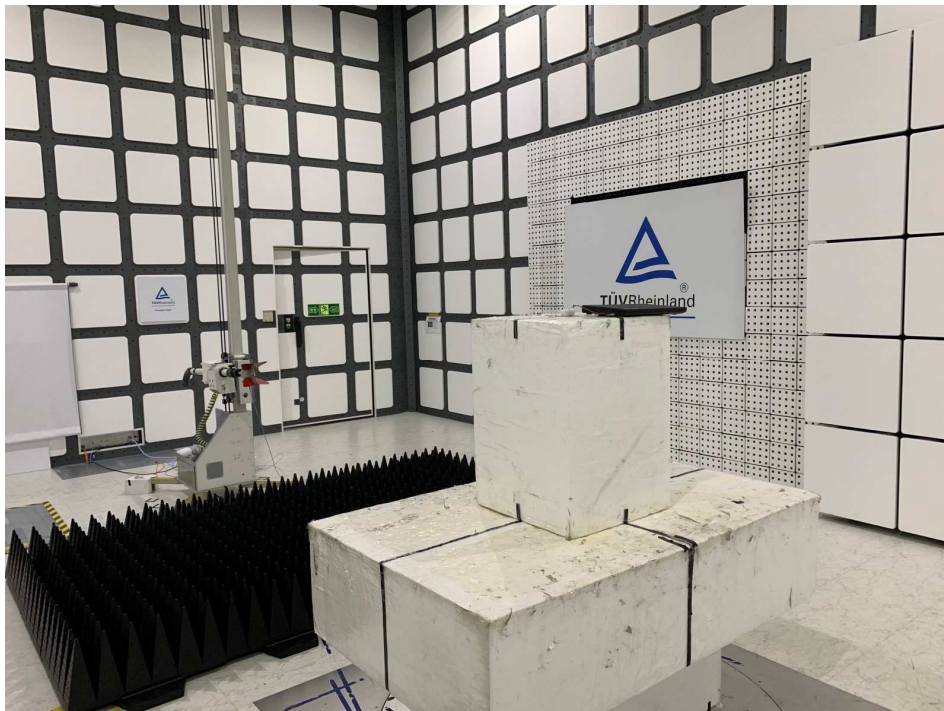
**Photograph 2: Set-up for Spurious Emissions (Front View 2)**



**Photograph 3: Set-up for Spurious Emissions (Back View 1)**



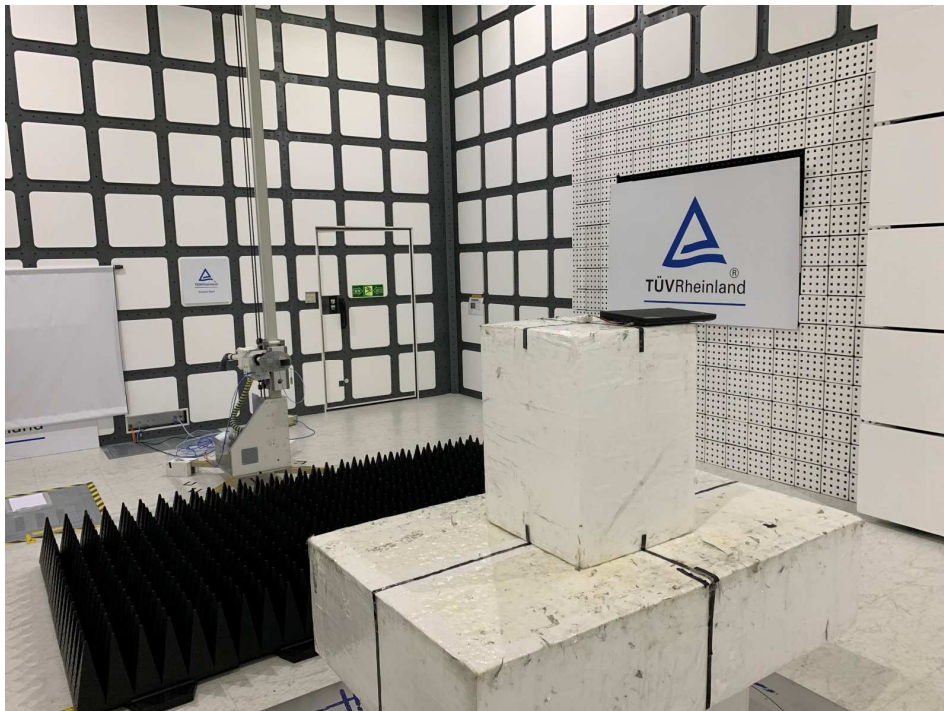
**Photograph 4: Set-up for Spurious Emissions (Back View 2)**



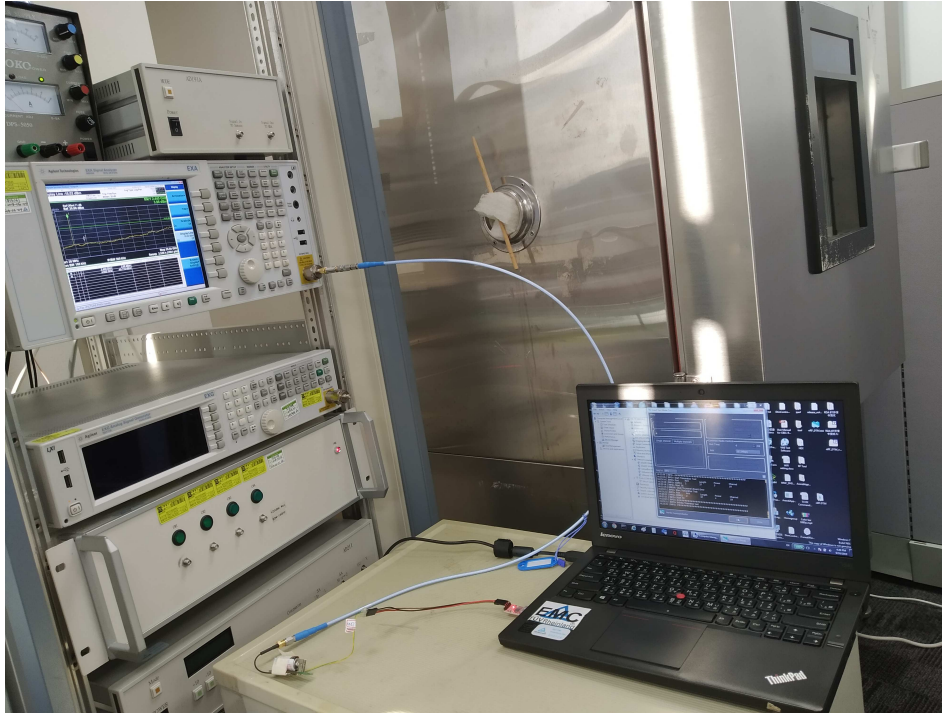
**Photograph 5: Set-up for Spurious Emissions (Back View 3)**



**Photograph 6: Set-up for Spurious Emissions (Back View 4)**



**Photograph 7: Set-up for Conducted testing**



**Photograph 8: Set-up for Conducted testing**



## 8. List of Tables

Table 1: Applied Standard and Test Levels .....	5
Table 2: List of Test and Measurement Equipment .....	7
Table 3: Emission Measurement Uncertainty.....	8
Table 4: Basic Information of EUT .....	9
Table 5: Technical Specification of EUT .....	9
Table 6: Table for Parameters of Test Software Setting .....	11
Table 7: Test result of Peak Output Power, LE 1M.....	15
Table 8: Test result of Peak Output Power, LE 2M.....	15
Table 9: Test result of 6dB Bandwidth, LE 1M .....	16
Table 10: Test result of 6dB Bandwidth, LE 2M.....	16
Table 11: Test result of 99% Bandwidth, LE 1M.....	17
Table 12: Test result of 99% Bandwidth, LE 2M.....	17
Table 13: Test result of Power Density, LE 1M.....	22
Table 14: Test result of Power Density, LE 2M.....	22

## 9. List of Photographs

Photograph 1: Set-up for Spurious Emissions (Front View 1).....	34
Photograph 2: Set-up for Spurious Emissions (Front View 2).....	34
Photograph 3: Set-up for Spurious Emissions (Back View 1).....	35
Photograph 4: Set-up for Spurious Emissions (Back View 2).....	35
Photograph 5: Set-up for Spurious Emissions (Back View 3).....	36
Photograph 6: Set-up for Spurious Emissions (Back View 4).....	36
Photograph 7: Set-up for Conducted testing .....	37
Photograph 8: Set-up for Conducted testing .....	37