

Prüfbericht-Nr.: <i>Test Report No.:</i>	50302722 001	Auftrags-Nr.: <i>Order No.:</i>	238106853	Seite 1 von 46 <i>Page 1 of 46</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	03-Oct-2019	
Auftraggeber: <i>Client:</i>	REYAX TECHNOLOGY CO.,LTD. 4F.-15, No.26, Ln. 321, Yangguang St., Neihs Dist. Taipei City Taiwan			
Prüfgegenstand: <i>Test item:</i>	2.4GHz Wi-Fi / Bluetooth Antenna module			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	RYWB116			
Auftrags-Inhalt: <i>Order content:</i>	FCC Part 15C / Test report (BDR/EDR)			
Prüfgrundlage: <i>Test specification:</i>	FCC 47CFR Part 15: Subpart C Section 15.247 (FHSS)			
Wareneingangsdatum: <i>Date of receipt:</i>	05-Aug-2019			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000953041-001 A000953041-002			
Prüfzeitraum: <i>Testing period:</i>	19-Aug-2019 - 14-Oct-2019			
Ort der Prüfung: <i>Place of testing:</i>	EMC/RF Laboratory Taipei			
Prüflaboratorium: <i>Testing laboratory:</i>	TUV Rheinland Taiwan Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
Report date / tested by:		kontrolliert von / reviewed by:		
				
14-Jan-2020	Mars Y.J. Lin / Project Engineer	14-Jan-2020	Ryan W. T. Chen / Project Manager	
Datum	Name / Stellung	Datum	Name / Stellung	Unterschrift
<i>Date</i>	<i>Name / Position</i>	<i>Date</i>	<i>Name / Position</i>	<i>Signature</i>
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende:		1 = sehr gut		
2 = gut		3 = befriedigend		
4 = ausreichend		5 = mangelhaft		
P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)		
N/A = nicht anwendbar		N/T = nicht getestet		
Legend:		1 = very good		
2 = good		3 = satisfactory		
4 = sufficient		5 = poor		
P(ass) = passed a.m. test specification(s)		F(ail) = failed a.m. test specification(s)		
N/A = not applicable		N/T = not tested		
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. <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>				

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Passed

5.1.2 PEAK OUTPUT POWER

RESULT: Passed

5.1.3 20dB BANDWIDTH

RESULT: Passed

5.1.4 CONDUCTED SPURIOUS EMISSIONS AND FREQUENCY BAND EDGE MEASURED IN 100kHz BANDWIDTH

RESULT: Passed

5.1.5 SPURIOUS EMISSION

RESULT: Passed

5.1.6 FREQUENCY SEPARATION

RESULT: Passed

5.1.7 NUMBER OF HOPPING FREQUENCY

RESULT: Passed

5.1.8 TIME OF OCCUPANCY

RESULT: Passed

5.2.1 MAINS CONDUCTED EMISSIONS

RESULT: Passed

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: Passed

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1. General Remarks

1.1 Complementary Materials

The following attachments are integral parts of this test report:

Appendix P: Photo Documentation
(File Name: 50302722 001 Appendix P)

Appendix D: Test Result of Radiated Emissions
(File Name: 50302722 001 Appendix D)

Test Specifications

The following standards were applied.

Table 1: Applied Standard and Test Levels

Radio
FCC CFR47 Part 15: Subpart C Section 15.247 FCC 47CFR Part 2: Subpart J section 2 1093 FCC 47CFR 2.1091 ANSI C63.10:2013 KDB558074 D01 DTS Meas Guidance v05

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.

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: 6th-May-2019 to 05th-May-2022



Testing Laboratory
3567

2.3 List of Test and Measurement Instruments

Table 2: List of Test and Measurement Equipment

Kind of Equipment	Manu-facturer	Type	S/N	Last Calibration	Next Calibration
Test Software	Audix	e3	Ver.9	N/A	N/A
EMI Test Receiver	R&S	ESR 7	101549	2018/11/12	2019/11/10
Spectrum Analyzer	R&S	FSV 40	100921	2019/04/30	2020/04/30
Preamplifier (30MHz -1GHz)	Hewlett Packard	8447D	2944A06641	2019/01/08	2020/01/08
Preamplifier (18 GHz -40 GHz)	EMC Instruments	EMC184045SE	980658	2019/02/23	2020/02/23
Pre-Amplifier (1GHz~18GHz)	EM Electronics	EM01G18G	60649	2019/09/11	2020/09/11
Bilog Antenna	TESEQ	CBL 6111D	29804	2019/07/12	2020/07/12
Horn Antenna	ETS-Lindgren	3117	218931	2018/12/27	2019/12/27
Horn Antenna (18GHz~40GHz)	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	R&S	FSP30	837866	2018/09/16	2019/09/15
Microwave Cable (9kHz to 18GHz)	HUBER+SUHNER	SUCOFLEX 104EA	800058/4EA	2019/05/27	2020/05/27
Microwave Cable (9kHz to 18GHz)	HUBER+SUHNER	SUCOFLEX 104	326264/4	2019/06/04	2020/06/04
Microwave Cable (9kHz to 18GHz)	HUBER+SUHNER	SUCOFLEX 104	MY31385/4	2019/06/24	2020/06/24
Microwave Cable (1GHz to 40GHz)	HUBER+SUHNER	SUCOFLEX 102EA	800900/2EA	2019/05/27	2020/05/27
Microwave Cable (1GHz to 40GHz)	HUBER+SUHNER	SUCOFLEX 102	36486/2	2019/06/24	2020/06/24
Microwave Cable (1GHz to 40GHz)	HUBER+SUHNER	SUCOFLEX 102	506263/2	2019/07/17	2020/07/17
Spectrum Analyzer	R&S	FSV40	101513	2019/2/8	2020/2/8
Thermo Chamber	Giant Force	GHT-150-40-CP-SD	MAA1902-010	2019/2/1	2020/2/1
Signal Generator	R&S	SMB100A03	181335	2019/1/23	2020/1/23
Power Meter	Anritsu	ML2495A	1901008	2019/4/29	2020/4/28
Power Sensor	Anritsu	MA2411B	1725269	2019/4/29	2020/4/28

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, conducted	± 1.5 dB
Adjacent channel power	± 3 dB
Radiated emission of transmitter, valid up to 26 GHz	± 6 dB
Radiated emission of receiver, valid up to 26 GHz	± 6 dB
Temperature	± 2 °C
Humidity	± 10 %

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a Bluetooth Antenna module. It contains a bluetooth compatible module 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	2.4GHz Wi-Fi / Bluetooth Antenna module
Type Identification	RYWB116
FCC ID	QLY-RYWB116

Table 5: Technical Specification of EUT

Technical Specification	Value
Operating Frequency	2402 MHz ~ 2480 MHz
Channel Spacing	1 MHz
Channel number	79
Operation Voltage	5Vdc
Modulation	GFSK, $\pi/4$ DQPSK, 8 DPSK
Antenna gain	1.16 dBi

Table 6: Frequency hopping information

Technical Specification	Description
Hopping Range	Hereby we declare that the maximum frequency of this device is: 2402-2480MHz. This is according the Bluetooth Core Specification v5.0 for devices which will be operated in the USA. This was checked during the Bluetooth Qualification tests (Test Case: TRM/CA/04).
Hopping Sequence	Example of a 79 hopping sequence in data mode: 33,04,21,44,23,42,53,46,55,48,40,59,72,29,76,31,08,73,07,75,09,45,60,39,58,13,47,11,77,52,35,50,65,54,67,56,69,62,71,64, 7,25,27,66,57,70,74,61,78,63,10,41,05,43,15,44,64,68,02,70,06,01,51,03,55,05,03,66,53,49,36,47,
Receiver input bandwidth	The input bandwidth of the receiver is 1MHz. In every connection one Bluetooth device is the master and the other one is the slave. The master determines the hopping sequence. The slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master. Additionally the type of connection is set up at the beginning of the connection. The master adapts its hopping frequency and its TX/RX timing according to the packet type of the connection. Also the slave of the connection will use these settings. Repeating of a packer has no influence on the hopping sequence. The hopping sequence generated by the master of the connection will be followed in any case. That means a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence.

3.3 Independent Operation Modes

The basic operation modes are:

- A. Transmitting
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- B. Receiving
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- C. Hopping
- D. Normal

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Circuit Diagram
- Instruction Manual
- Rating Label
- Technical Description

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level.

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 7: Table for Parameters of Test Software Setting

Mode	Channel Frequency		
	2402 MHz	2441 MHz	2480 MHz
1-DH5	31	31	31
3-DH5	31	31	31

4.2 Test Operation and Test Software

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

The samples were used as follows:

Conducted: A000953041-001

Radiation: A000953041-002

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

Test Software	QCOM V1.0
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4.3 Special Accessories and Auxiliary Equipment

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

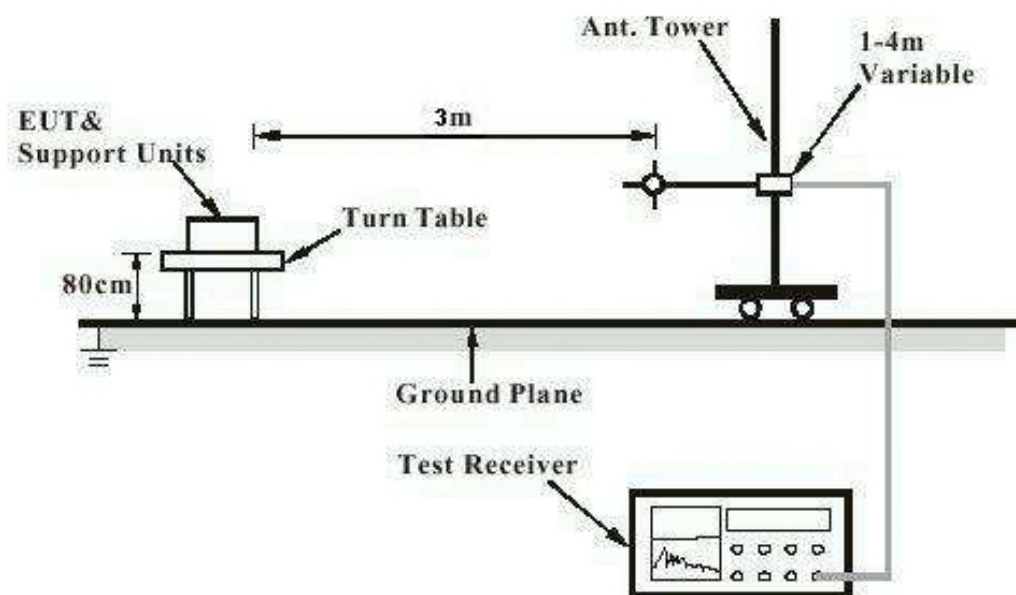
Kind of Equipment	Manufacturer	Model Name	S/N
Notebook(EMC-06)	Lenovo	TP00048A	PB-0F8B2

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested containing the noise suppression parts as in the Photo Appendix and the Test Setup Photos. 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 Mains Conduction Measurement

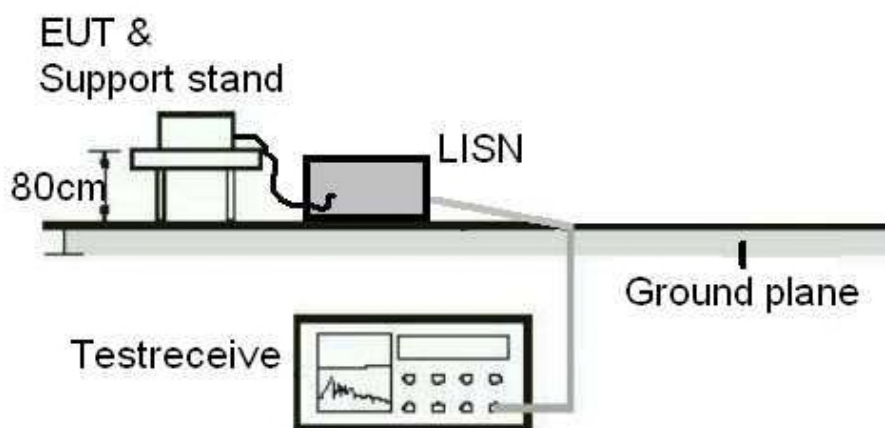
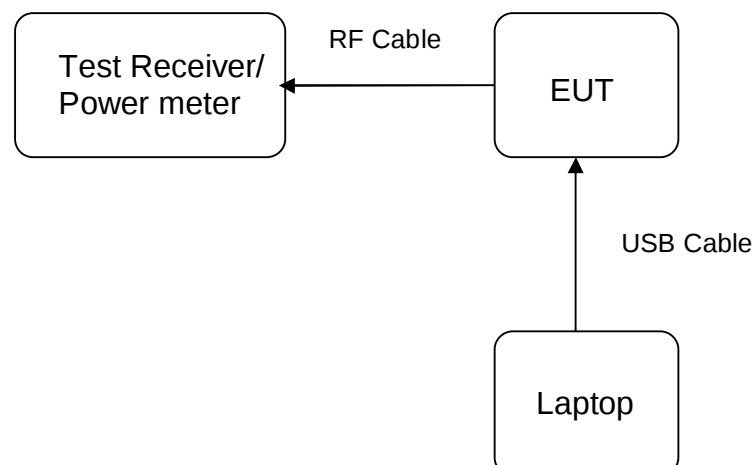


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



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

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 1.16 dBi. 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)(1)

Basic standard : ANSI C63.10:2013

Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High

Operation Mode : A

Ambient temperature : 22-26 °C

Relative humidity : 50-65 %

Atmospheric pressure : 100-103 kPa

Table 8: Test result of Output Power, 1DH5

Channel	Channel Frequency	Peak Output Power		AVG	Limit
	(MHz)	(dBm)	(W)	(W)	(W)
Low Channel	2402	16.98	0.04989	0.04487	0.125
Middle Channel	2441	17.17	0.05212	0.04667	0.125
High Channel	2480	17.69	0.05875	0.05297	0.125

Table 9: Test result of Output Power, 3DH5

Channel	Channel Frequency	Peak Output Power		AVG	Limit
	(MHz)	(dBm)	(W)	(W)	(W)
Low Channel	2402	19.30	0.08511	0.04853	0.125
Middle Channel	2441	20.19	0.10447	0.05675	0.125
High Channel	2480	21.44	0.13932	0.08017	0.125

5.1.3 20dB Bandwidth

RESULT:
Passed

Test standard : FCC Part 15.247(a)(1)

Basic standard : ANSI C63.10:2013

Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High

Operation Mode : A

Ambient temperature : 22-26°C

Relative humidity : 50-65%

Atmospheric pressure : 100-103kPa

Table 10: Test result of 20dB Bandwidth, 1DH5

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Result
Low Channel	2402	1.082	1.5	Pass
Mid Channel	2441	1.036	1.5	Pass
High Channel	2480	1.034	1.5	Pass

Note: Limit is for Channel Separation of 1 MHz and a power limit of 125 mW.

Table 11: Test result of 20dB Bandwidth, 3DH5

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Result
Low Channel	2402	1.265	1.5	Pass
Mid Channel	2441	1.263	1.5	Pass
High Channel	2480	1.269	1.5	Pass

Note: Limit is for Channel Separation of 1 MHz and a power limit of 125 mW.

If the carrier separation frequency of a Bluetooth Device is set at 1 MHz due to the firmware setting and the Bluetooth Standard, then for power <125 mW the limit for the 20 dB Bandwidth, becomes 1 MHz / 0.66666 = 1.5 MHz.

Test Plot of 20dB Bandwidth, 1DH5

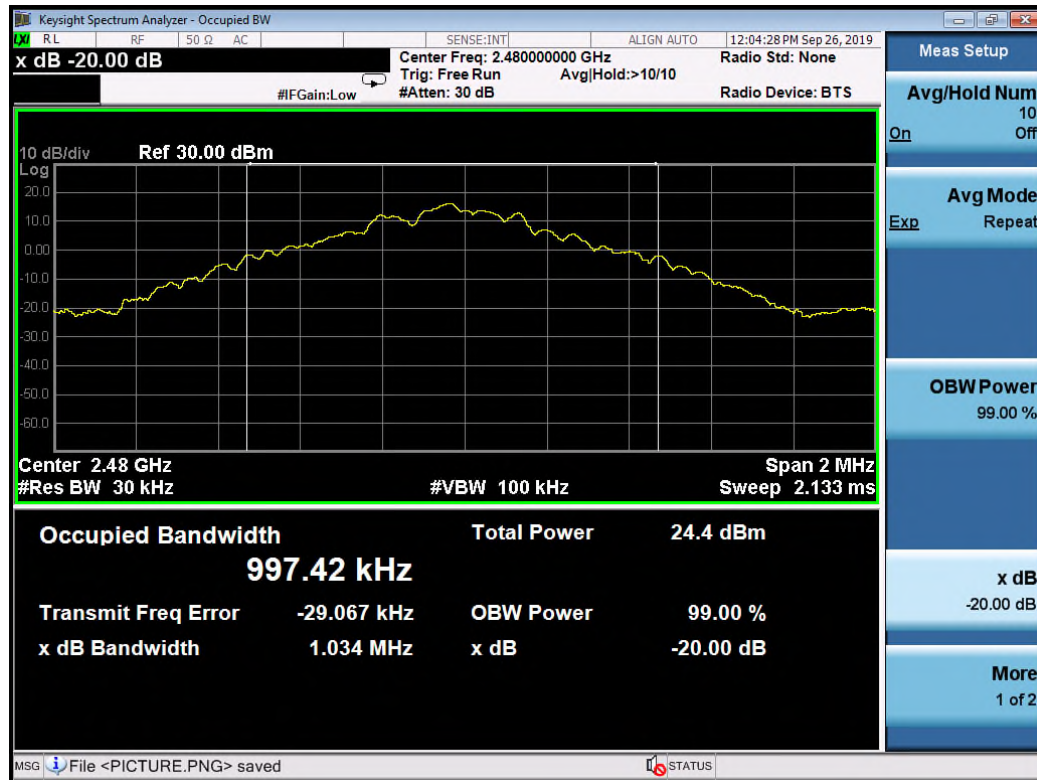
Low Channel



Middle Channel

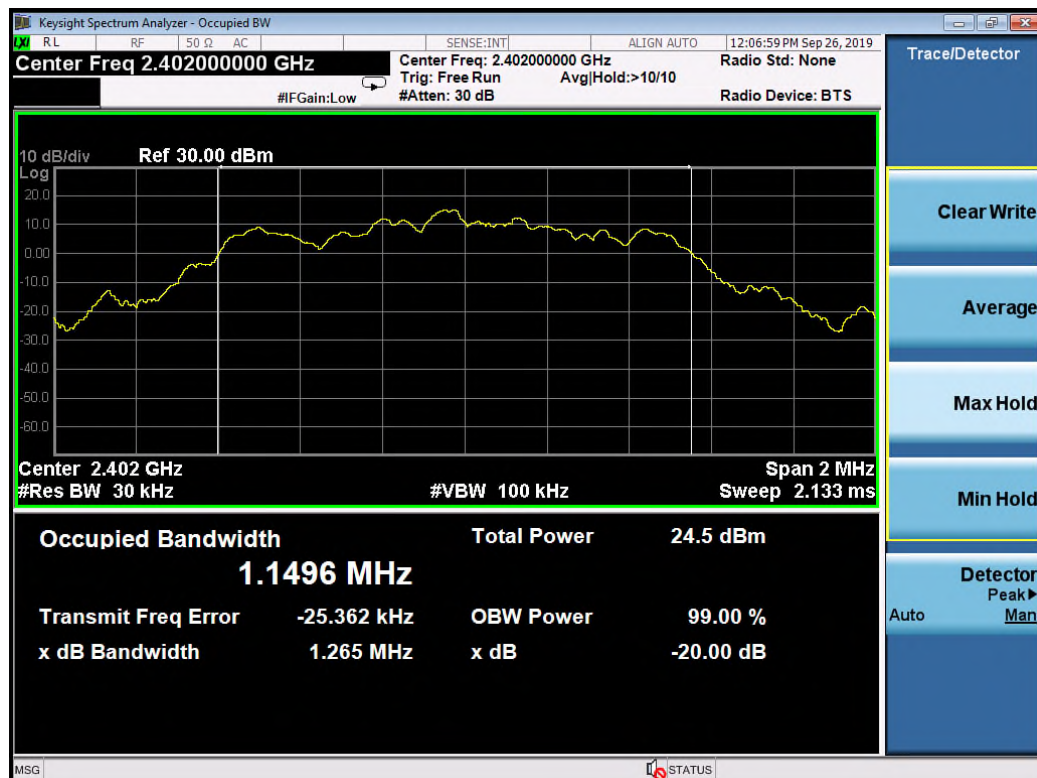


High Channel

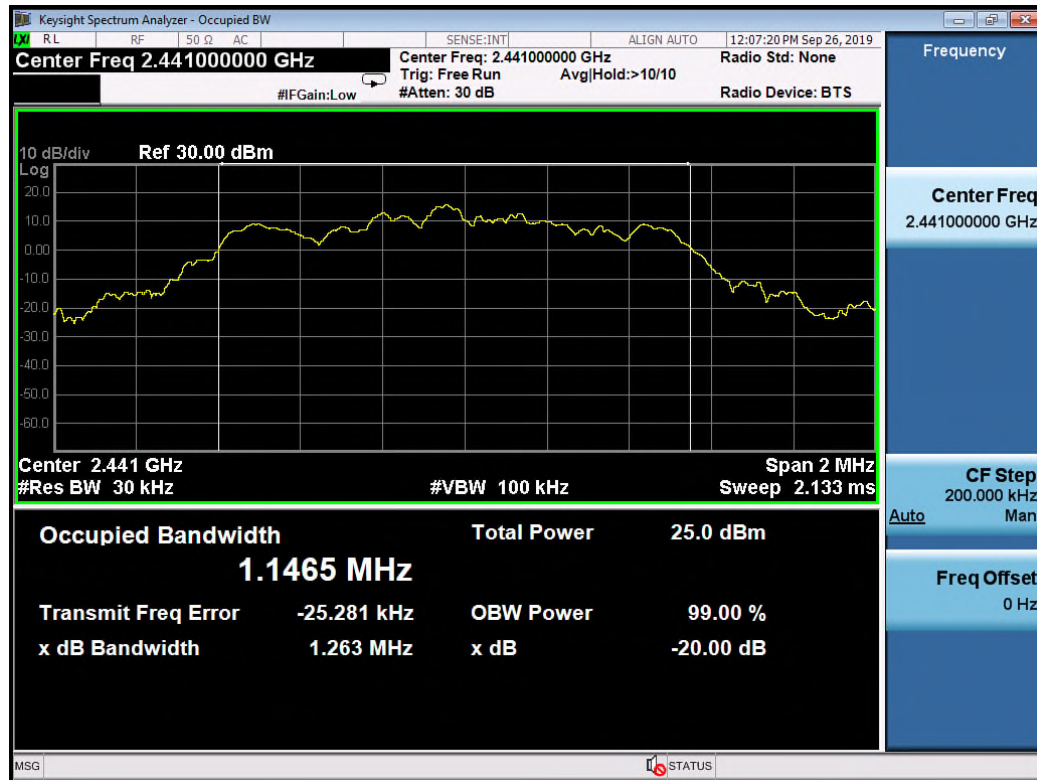


Test Plot of 20dB Bandwidth, 3DH5

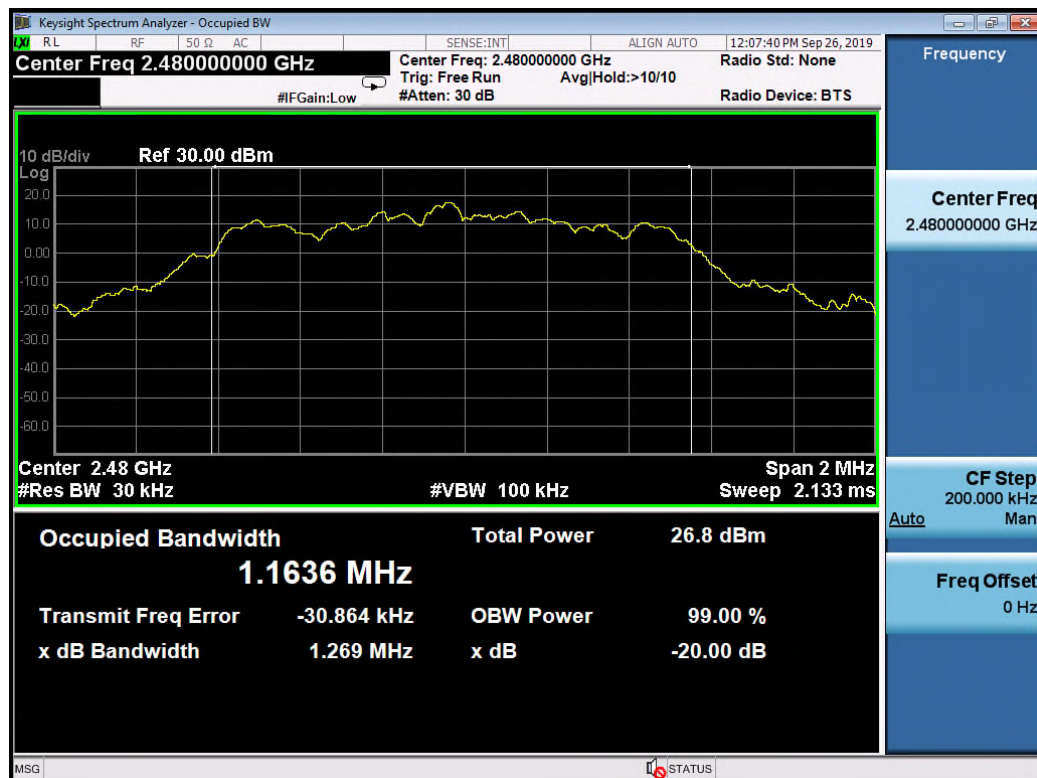
Low Channel



Middle Channel



High Channel



5.1.4 Conducted spurious emissions and Frequency Band Edge measured in 100kHz Bandwidth**RESULT:****Passed**

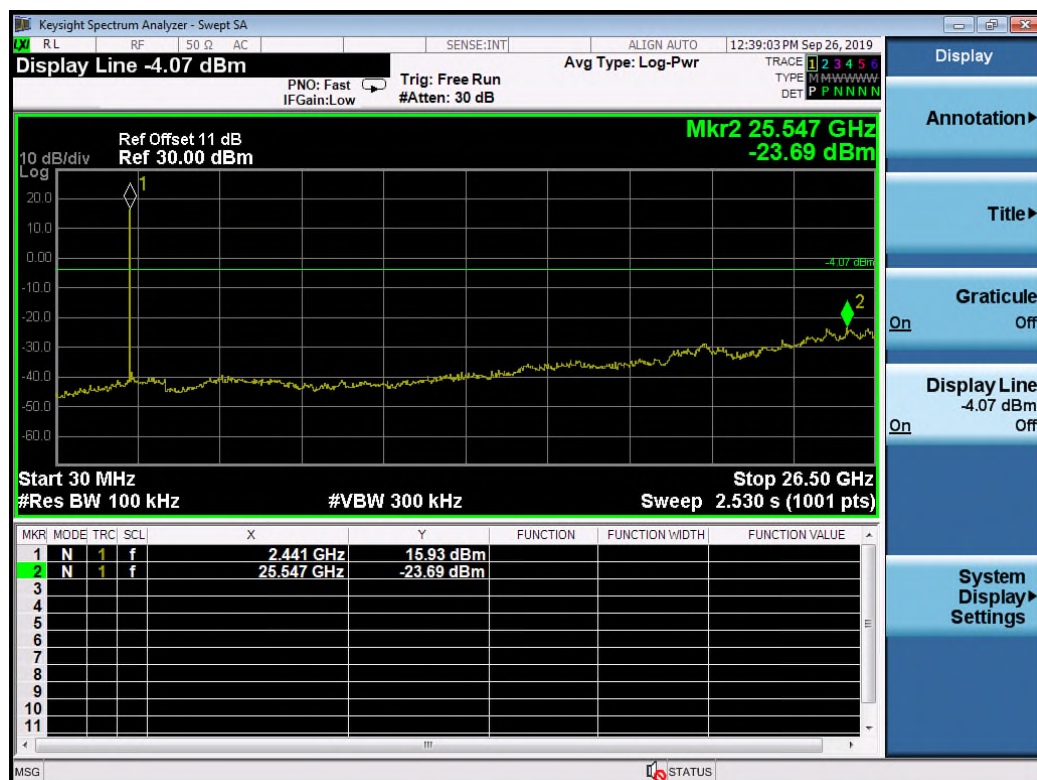
Test standard	:	FCC part 15.247(d),
Basic standard	:	ANSI C63.10:2013
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power)
Kind of test site	:	Shielded room

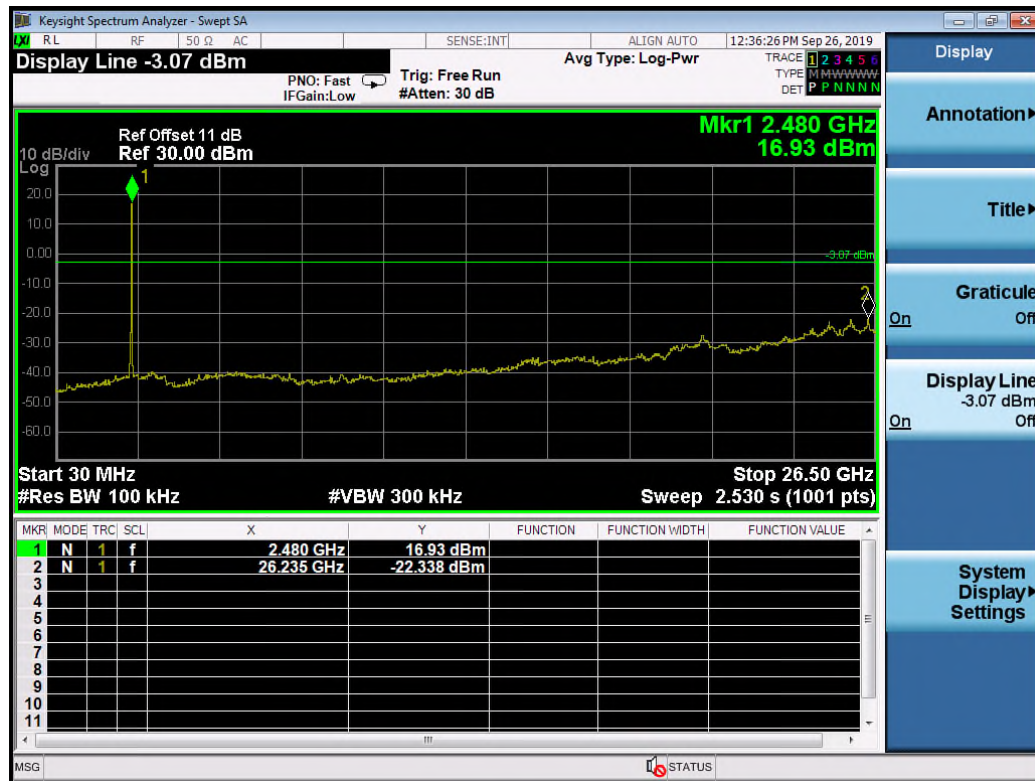
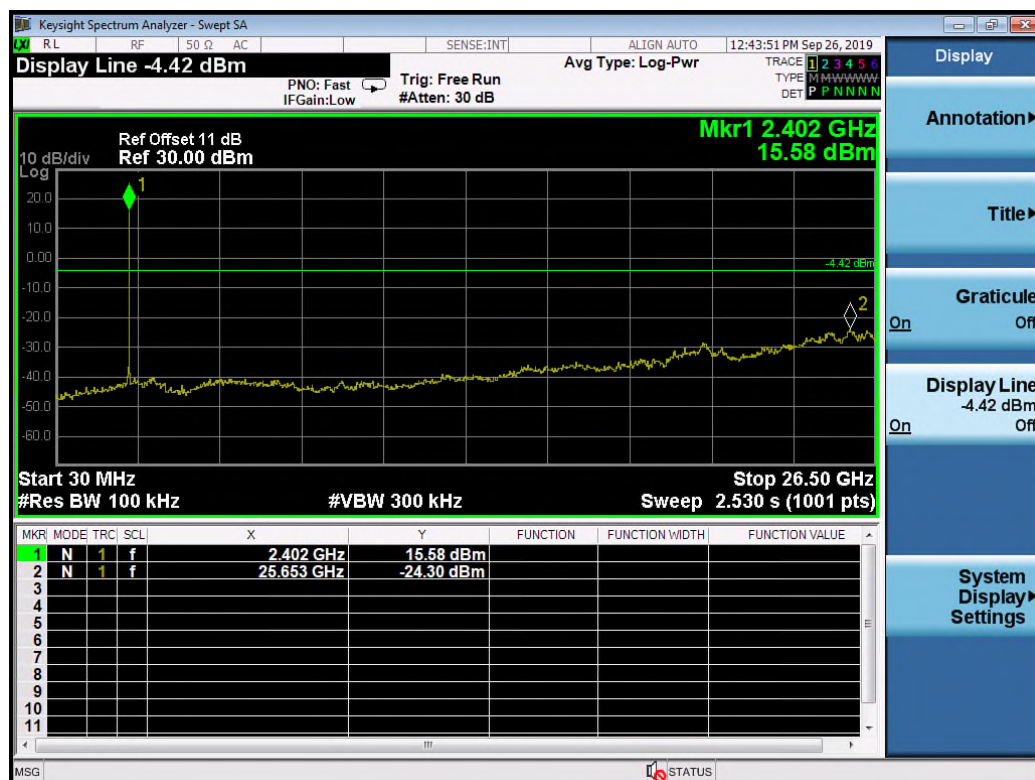
Test setup

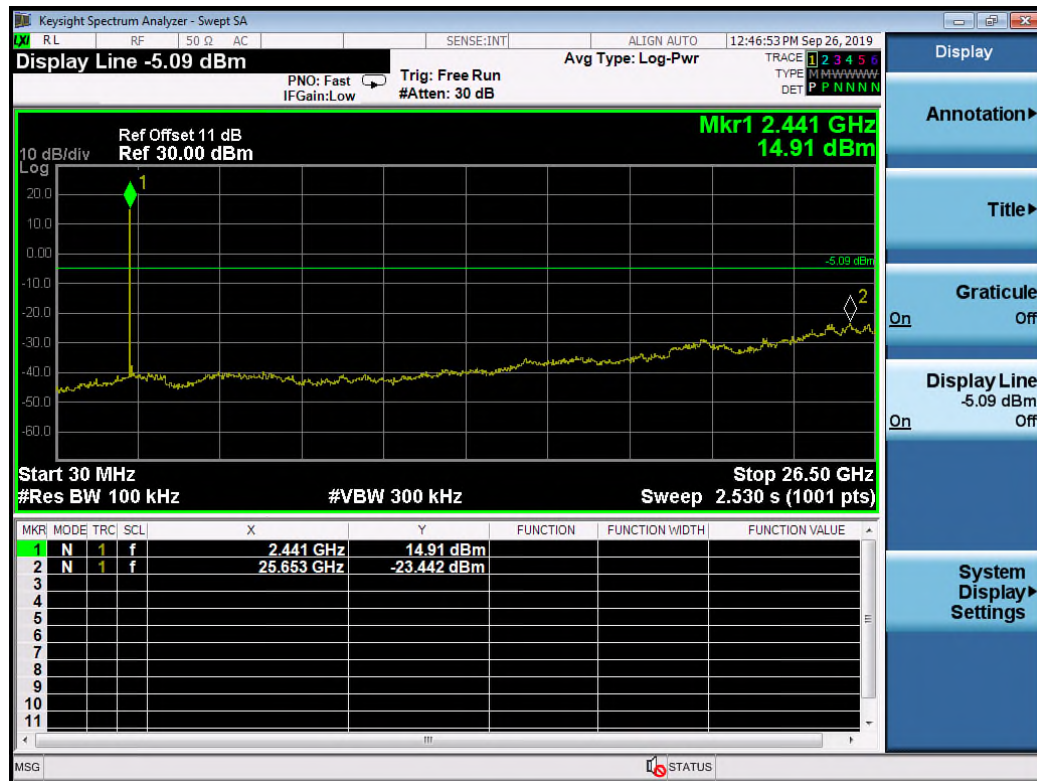
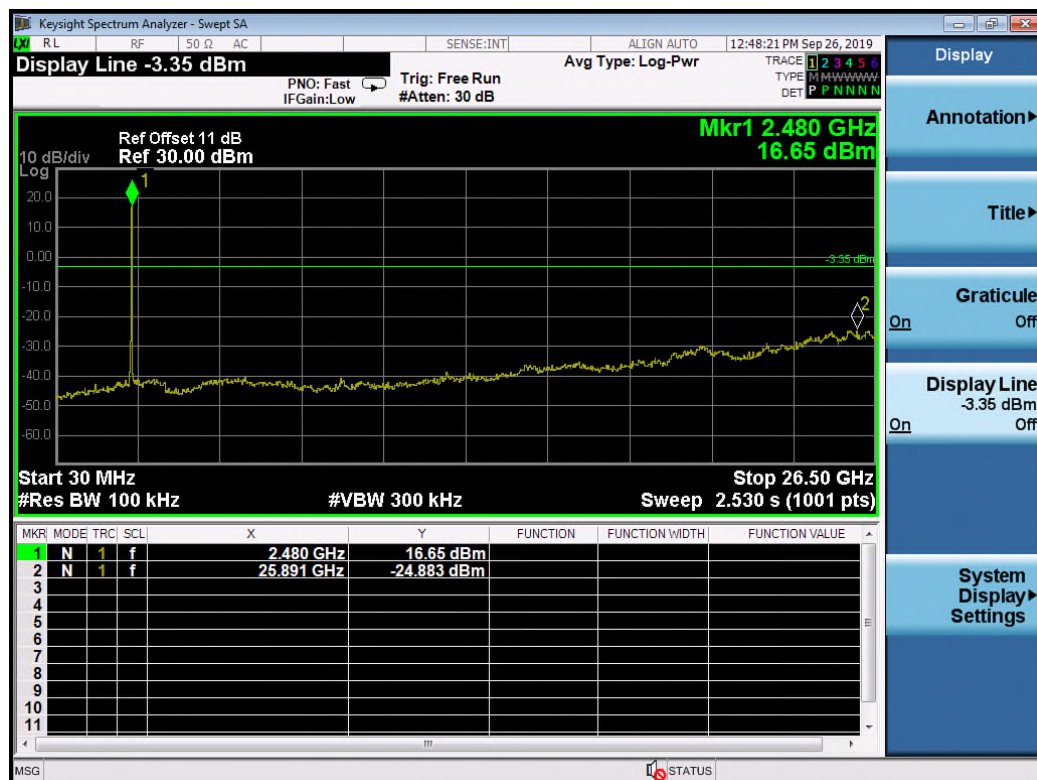
Test Channel	:	Low/ Middle/ High for Conducted Spurious Emissions Low/ High/ Hopping on for Frequency Band Edge
Operation Mode	:	A, C
Ambient temperature	:	22-26°C
Relative humidity	:	50-65%
Atmospheric pressure	:	100-103 kPa

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.

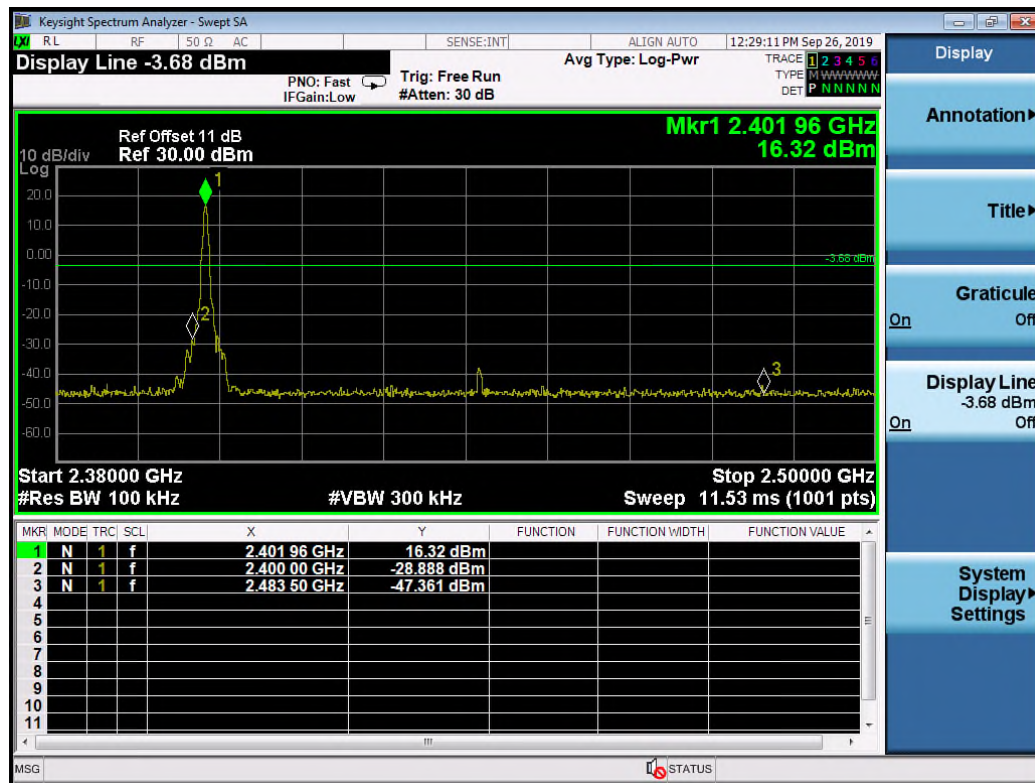


High Channel

Test Plot of 100kHz Conducted Emissions, 3DH5
Low Channel


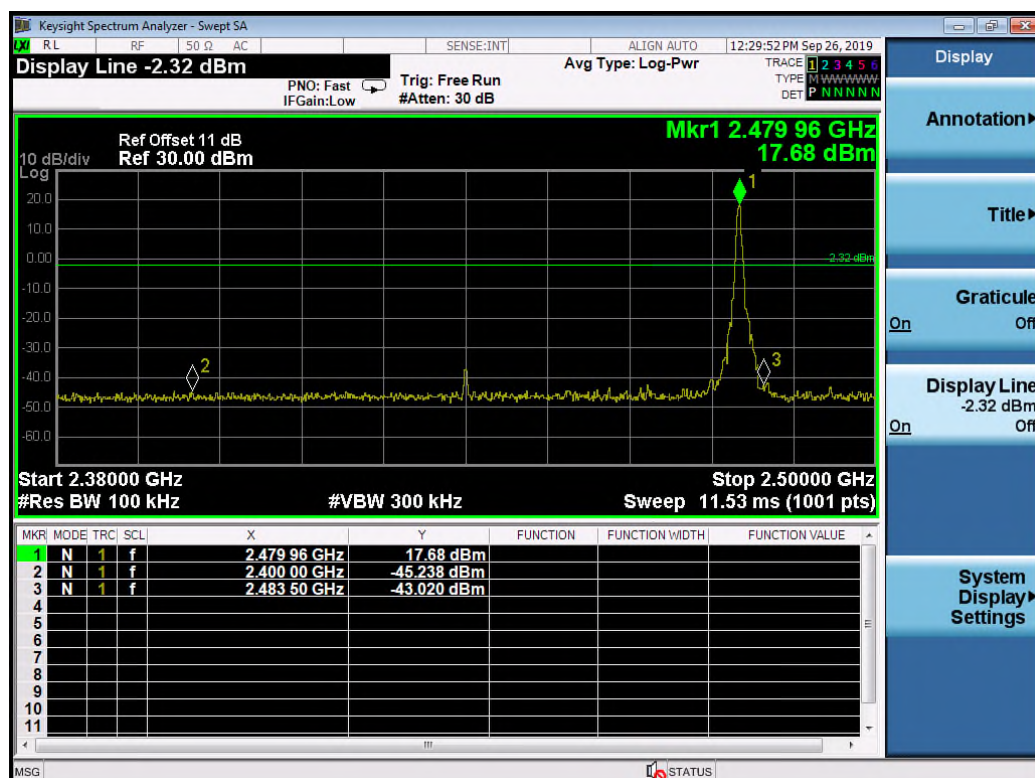
Middle Channel

High Channel


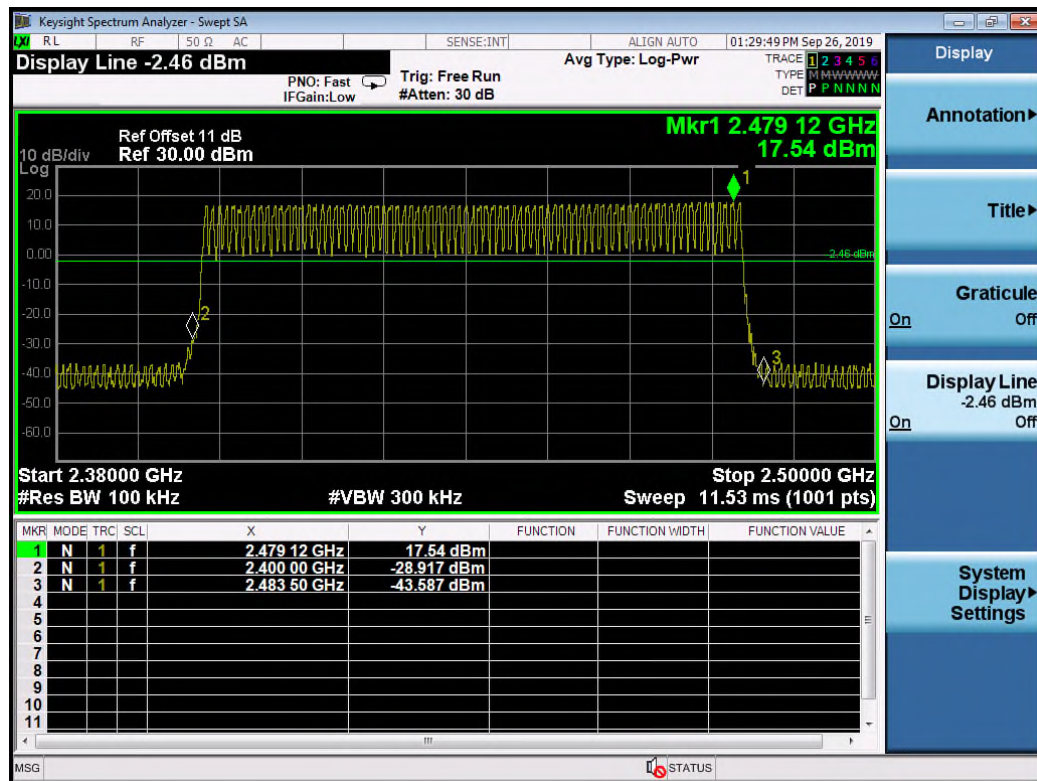
Test Plot of 100kHz Bandwidth of Frequency Band Edge, 1DH5

Low Channel



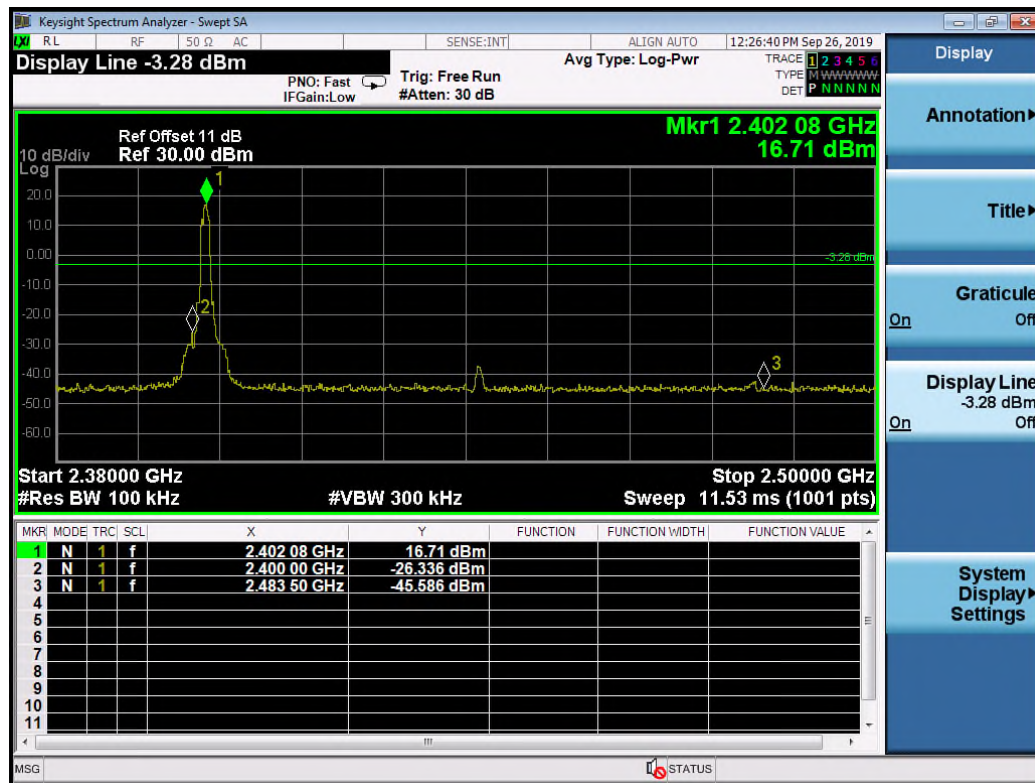
High Channel



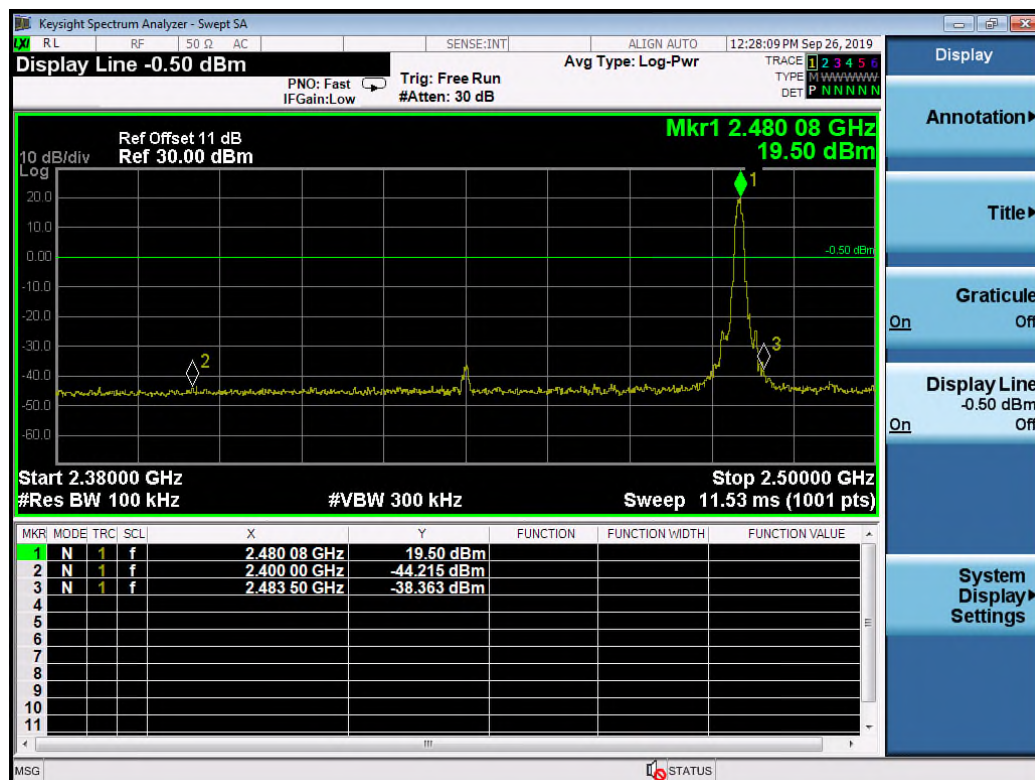


Test Plot of 100kHz Bandwidth of Frequency Band Edge, 3DH5

Low Channel



High Channel



5.1.5 Spurious Emission

RESULT:**Passed**

Test standard	:	FCC part 15.247(d), FCC 15.205, FCC 15.209
Basic standard	:	ANSI C63.10: 2013
Limits	:	Radiated emissions which fall in the restricted bands, as defined in FCC 15.205(a) must comply with the radiated emission limits specified in FCC 15.209(a) 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).
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Test Channel	:	Refer to Appendix D
Operation Mode	:	A
Ambient temperature	:	22-26°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)

Remark: 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.

5.1.6 Frequency Separation

RESULT:
Passed

Test standard : FCC part 15.247(a)(1)
 Basic standard : ANSI C63.10:2013
 Limit : $\geq 25\text{kHz}$ or $2/3$ of 20dB bandwidth, whichever is greater
 Kind of test site : Shielded room

Test setup

Test Channel : Hopping On
 Operation Mode : C
 Ambient temperature : 22-26°C
 Relative humidity : 50-65%
 Atmospheric pressure : 100-103 kPa

Table 12: Test result of Frequency Separation– 1DH5

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Record Channel	2441	1	$\geq 25\text{kHz}$ or $2/3$ of 20dB bandwidth	Pass
Record Channel adj 1	2440			
Record Channel adj 2	2442			

Table 13: Test result of Frequency Separation– 3DH5

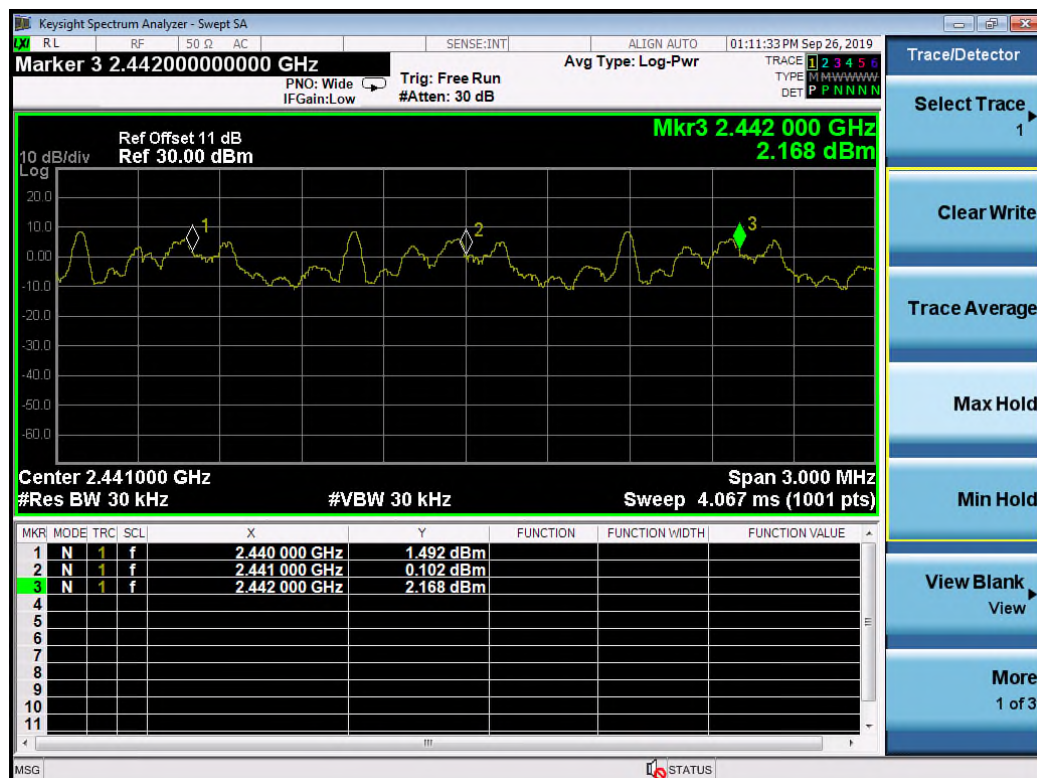
Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Record Channel	2441	1	$\geq 25\text{kHz}$ or $2/3$ of 20dB bandwidth	Pass
Record Channel adj 1	2440			
Record Channel adj 2	2442			

Test Plot of Frequency Separation

1DH5



3DH5



5.1.7 Number of hopping frequency

RESULT:**Passed**

Test standard : FCC part 15.247(a)(1)(iii)

Basic standard : ANSI C63.10:2013

Kind of test site : Shielded room

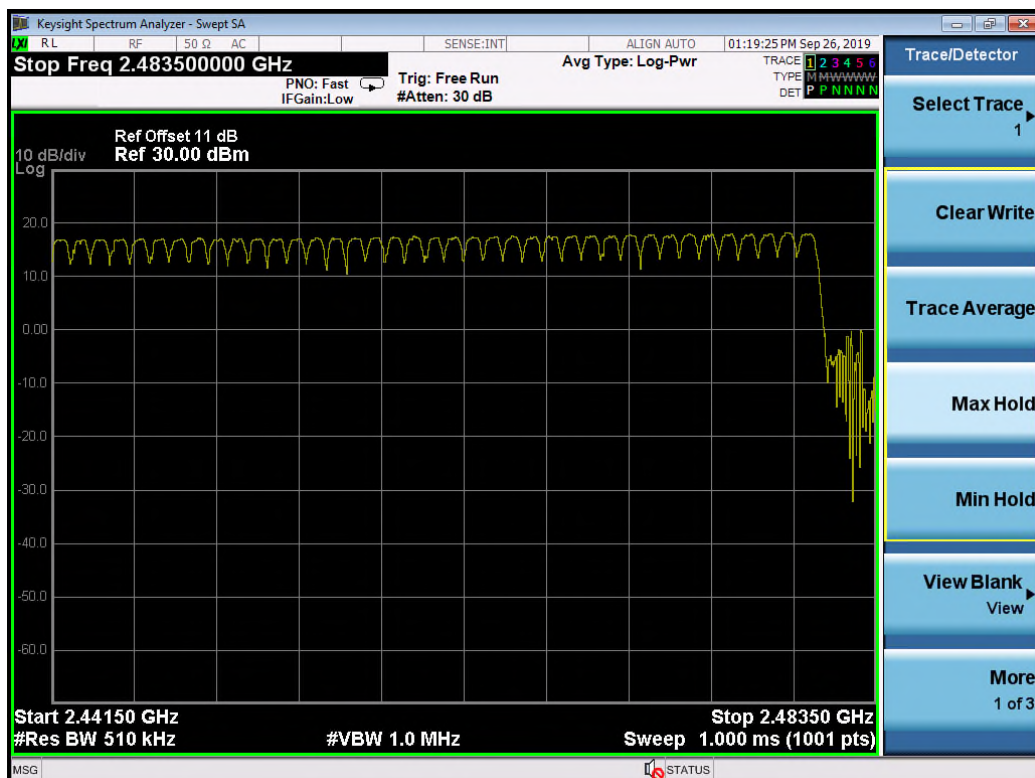
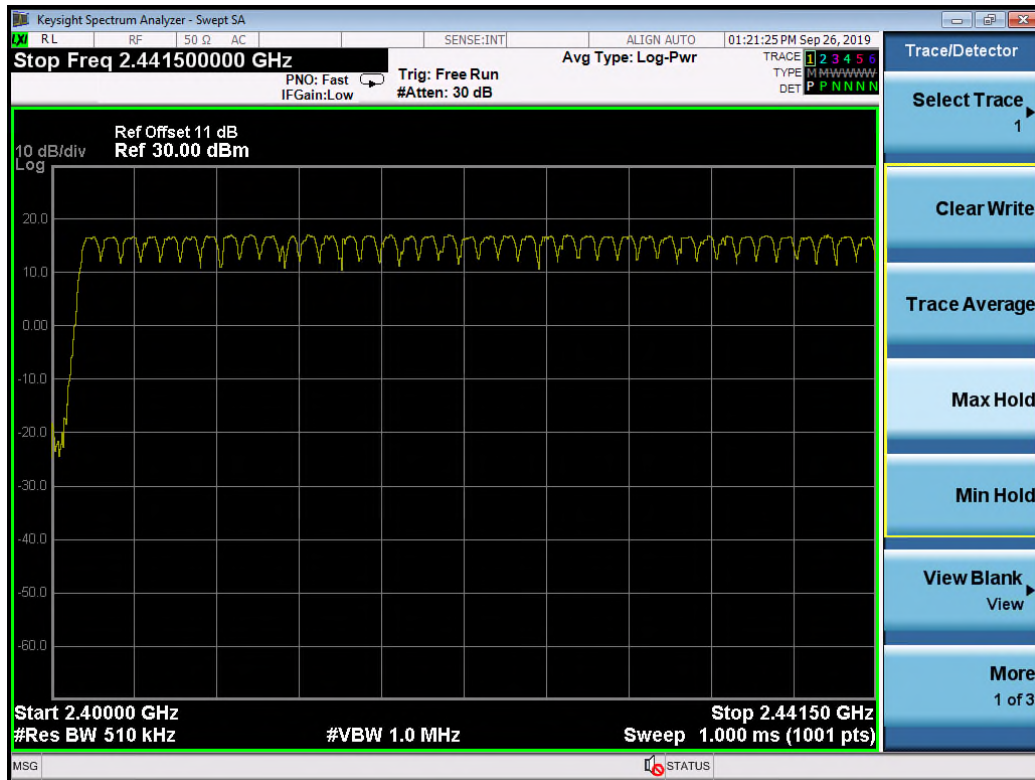
Test setupTest Channel : Hopping On
Operation Mode : CAmbient temperature : 22-26°C
Relative humidity : 50-65%
Atmospheric pressure : 100-103 kPa**Table 14: Test result of Number of hopping frequency – 1DH5**

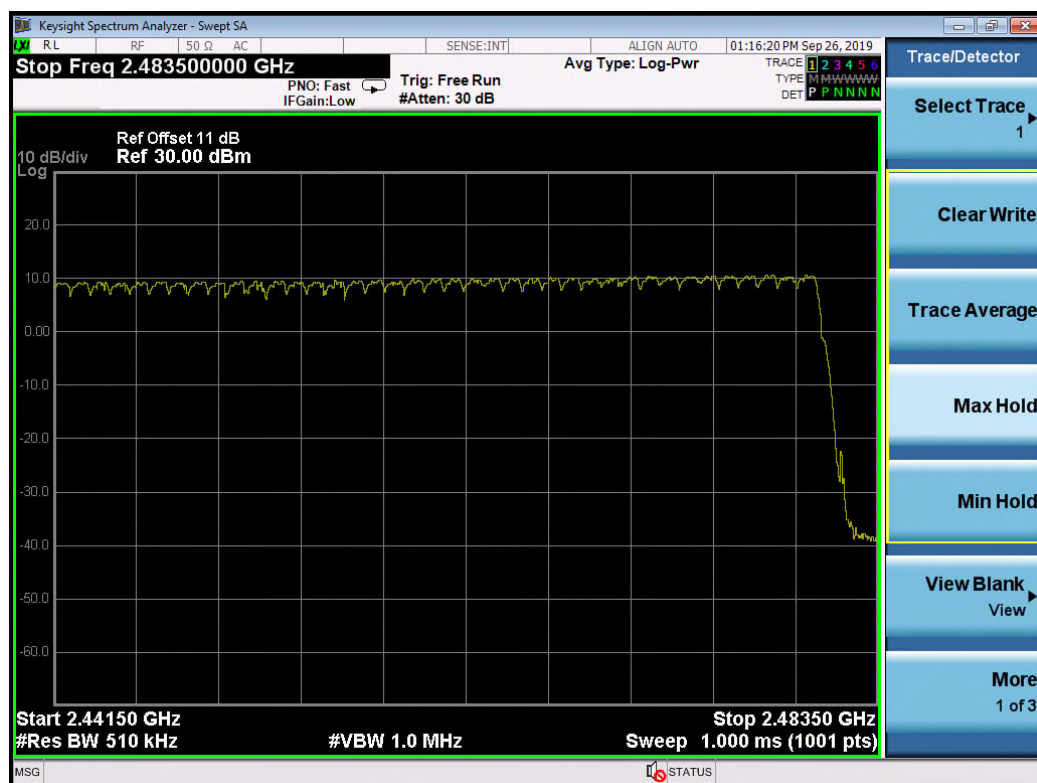
Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
<u>2400</u> to <u>2483.5</u> MHz	79	≥15	Pass

Table 15: Test result of Number of hopping frequency – 3DH5

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
<u>2400</u> to <u>2483.5</u> MHz	79	≥15	Pass

Test Plot of Number of hopping frequencies 1DH5





5.1.8 Time of Occupancy

RESULT:
Passed

Test standard : FCC part 15.247(a)(1)(iii)

Basic standard : ANSI C63.10:2013

Limits : 0.4s

Kind of test site : Shield room

Test setup

Test Channel : Low

Operation Mode : A

Ambient temperature : 22-26°C

Relative humidity : 50-65%

Atmospheric pressure : 100-103 kPa

Table 16: Test result of Time of Occupancy

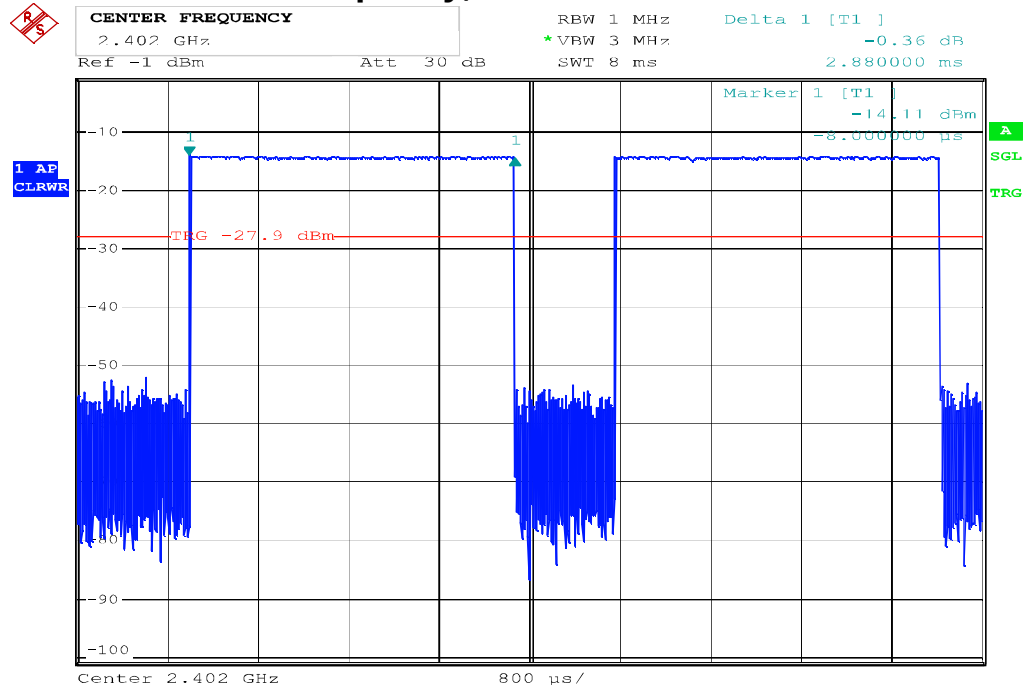
Data Mode	Captured Burst (s)	Dwell time (s)	On+Off time (s)	Limit (s)	Result
1DH5	0.00288	0.3080	0.00374	0.4	Pass
3DH5	0.00288	0.3080	0.00374	0.4	Pass

Note:

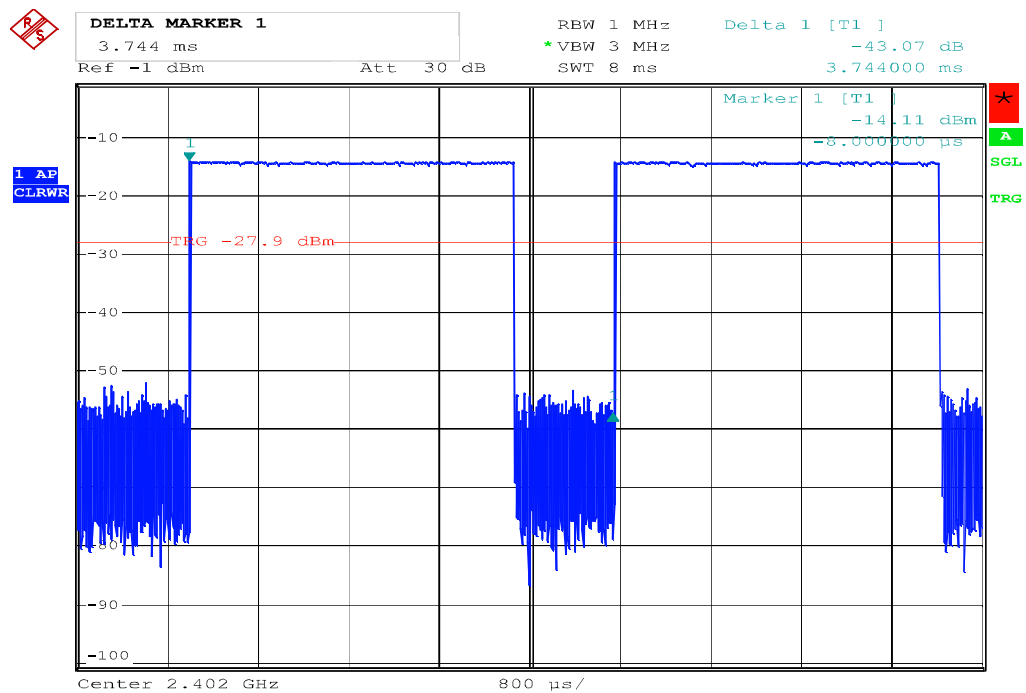
Dwell time = Pulse width x (Hopping rate / Number of channels) x Period

Period = 0.4 (seconds/ channel) x 79 (channel) = 31.6 seconds.

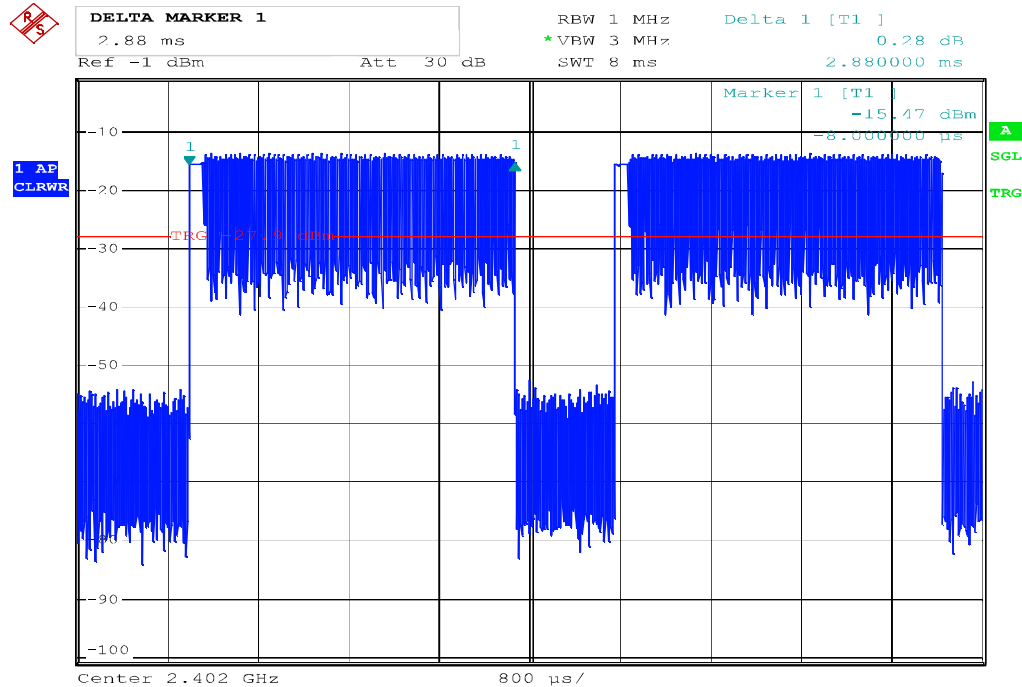
Hopping rate = 1 / (On+Off time) = 267 Hz

Test Plot of Time of Occupancy, 1DH5


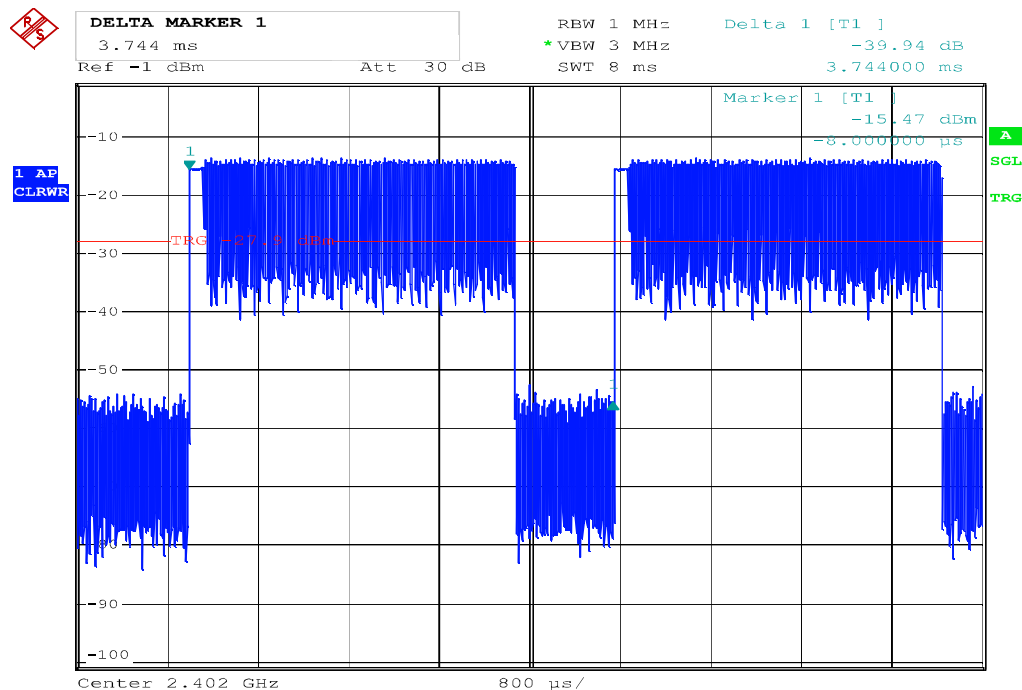
Date: 14.OCT.2019 16:17:45



Date: 14.OCT.2019 16:18:44

Test Plot of Time of Occupancy, 3DH5


Date: 14.OCT.2019 16:19:21



Date: 14.OCT.2019 16:19:37

5.2 Mains Emissions

5.2.1 Mains Conducted Emissions

RESULT:**Passed**

Test standard : FCC Part 15.207
FCC Part 15.107

Limits : Mains Conducted emissions as defined in
above test standards must comply with the
mains conducted emission limits specified

Kind of test site : Shielded Room

Test setup

Operation mode : D

Ambient temperature : 22-26°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)

Remark: For details refer to Appendix D.

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:**Passed**Test standard : 47CFR1.1310
47CFR 2.1091

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

Maximum Exposure:

Power to Antenna (mW)	139 mW
Power to Antenna (dBm)	21.4 dBm
Antenna Gain	1.16 dBi
Power+Ant Gain	181.6 mW
Distance	20 cm
S=	0.036 mW/cm ²

Limit FCC: 1 mW/cm²FCC/NCC:

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

---End---

7. Photographs of the Test Set-Up

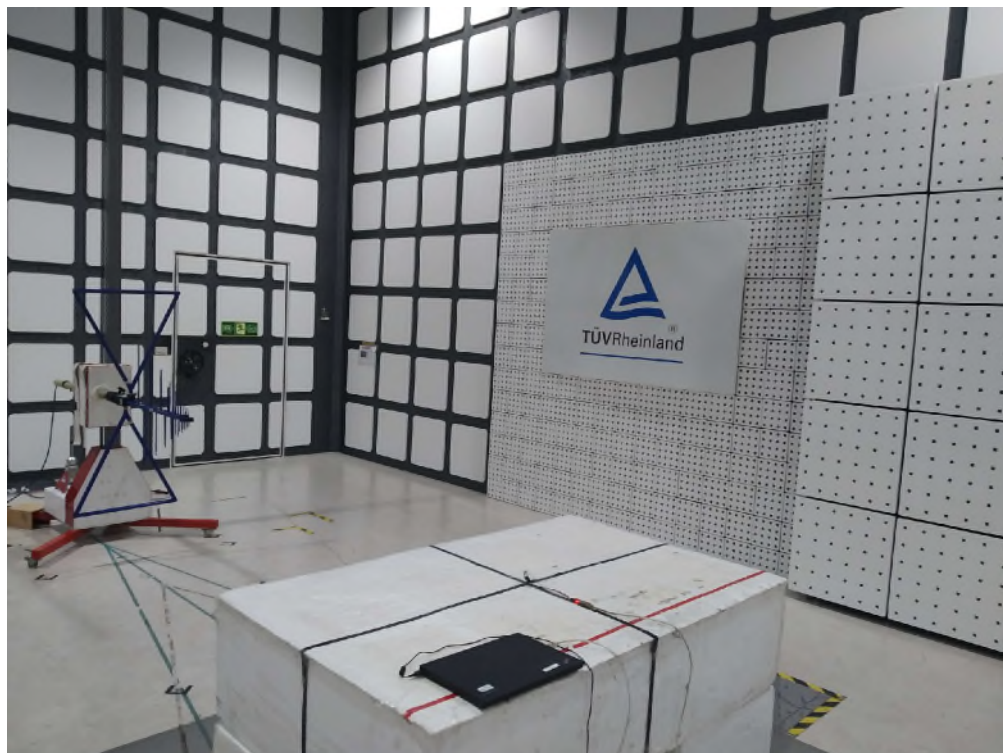
Photograph 1: Set-up for Spurious Emissions (Front View 1)



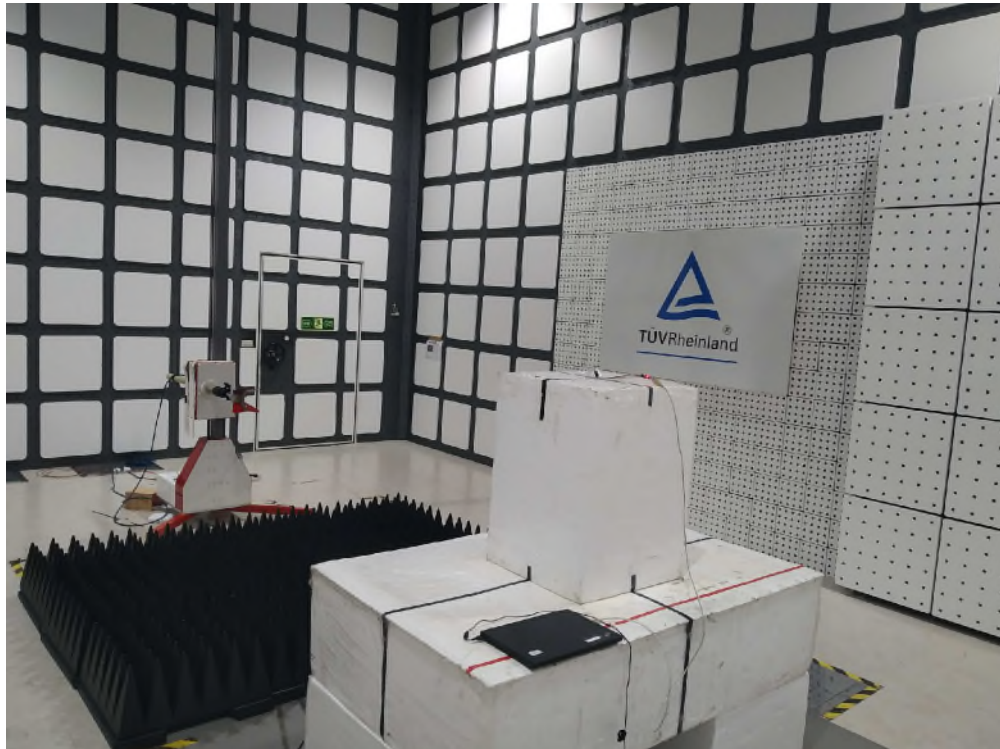
Photograph 2: Set-up for Spurious Emissions (Front View 2)



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



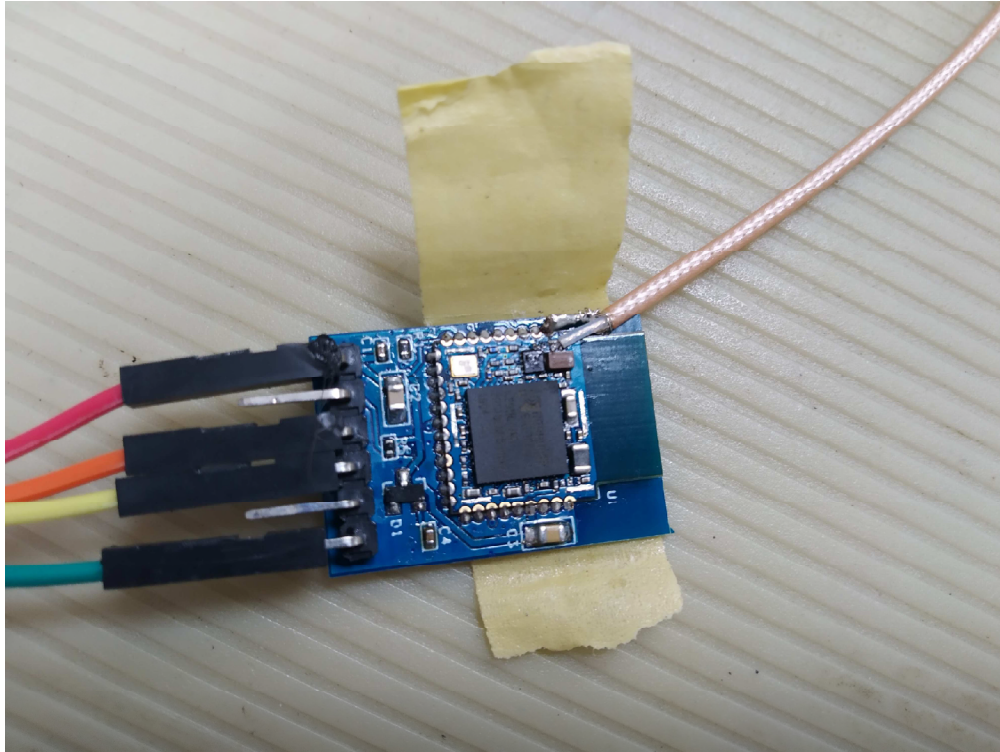
Photograph 4: Set-up for Spurious Emissions (Back View 2)



Photograph 5: Set-up for Conducted testing (View 1)



Photograph 6: Set-up for Conducted testing (View 2)



Photograph 7: Set-up for Mains Conducted testing (Front View)



Photograph 8: Set-up for Mains Conducted testing (Front View)



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