

Prüfbericht-Nr.: <i>Test report no.:</i>	50349171 001	Auftrags-Nr.: <i>Order no.:</i>	238106182	Seite 1 von 49 Page 1 of 49	
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	10-Jun-2019		
Auftraggeber: <i>Client:</i>	AMPAK Technology Inc. 3F, No. 1, Jen AI Road, Hsinchu Industrial Park, Hsinchu 30352				
Prüfgegenstand: <i>Test item:</i>	Wi-Fi and Bluetooth module				
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	AP6398XU				
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				
Wareneingangsdatum: <i>Date of sample receipt:</i>	17-Oct-2019				
Prüfmuster-Nr.: <i>Test sample no.:</i>	A001008650-001				
Prüfzeitraum: <i>Testing period:</i>	25-Oct-2019 - 19-Jun-2020				
Ort der Prüfung: <i>Place of testing:</i>	EMC/RF Laboratory Taipei				
Prüflaboratorium: <i>Testing laboratory:</i>	Taipei Testing laboratories				
rüfergebnis*: <i>Test result*:</i>	Pass				
überprüft von: <i>reviewed by:</i>	genehmigt von: <i>authorized by:</i>				
Datum: 22-Jun-2020 <i>Date:</i>	Mars Y.J. Lin	Datum: 22-Jun-2020 <i>Date:</i>	Ryan W.T. Chen		
Stellung / Position:	Project Engineer	Stellung / Position:	Project Manager		
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 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	5 = mangelhaft
* 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	5 = poor
<p>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></p>					

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Passed

5.1.2 MAXIMUM PEAK CONDUCTED 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

5.1.9 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: 50349168 001, 50349169 001, 50349170 001, 50349171 001 Appendix P)

Appendix D: Test Result of Radiated Emissions

(File Name: 50349171 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 2.1091 ANSI C63.10:2013 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

Taipei Testing laboratories

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

2.2 Test Facility

Taipei Testing laboratories

No. 458-18, Sec 2, Fenliao., Linkou Dist.
New Taipei City 244
Taiwan (R.O.C.)
FCC Registration No.: 226631
IC Canada Registration No.: 25563

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

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESR7	102109	2020/3/30	2021/3/29
Spectrum Analyzer	R&S	FSV40	101508	2020/3/16	2021/3/15
Pre-Amplifier	Agilent	8447D	2727A05146	2020/2/17	2021/2/16
Pre-Amplifier	EMCI	EMC051845SE	980635	2020/2/11	2021/2/10
Pre-Amplifier	EMCI	EMC184045SE	980656	2020/2/11	2021/2/10
Bilog Antenna	SCHWARZBECK	VULB-9168	00950	2020/1/20	2021/1/19
Horn Antenna	ETS-Lindgren	3117	00218929	2019/11/27	2020/11/26
Horn Antenna	SCHWARZBECK	BBHA 9170	00896	2020/1/17	2021/1/16
Loop Antenna	EMCI	LPA600	287	2019/12/20	2020/12/19
Test Software	Audix	e3	Ver. 9	N/A	N/A
Test Cable	HUBER+SUHNER	SUCOFLEX 104EA	800057/4EA	2020/3/25	2021/3/24
Test Cable	HUBER+SUHNER	SUCOFLEX104	802244/4	2020/3/25	2021/3/24
Test Cable	HUBER+SUHNER	SUCOFLEX104	MY37203/4	2020/3/25	2021/3/24
Test Cable	HUBER+SUHNER	SUCOFLEX 102EA	800897/2EA	2020/3/25	2021/3/24
Test Cable	HUBER+SUHNER	SUCOFLEX 102EA	800902/2EA	2020/3/25	2021/3/24
Test Cable	HUBER+SUHNER	SUCOFLEX 102EA	801026/2EA	2020/3/25	2021/3/24
EMI Test Receiver	Rohde & Schwarz	ESCI7	100797	2020/03/13	2021/03/13
Two-Line V-Network	Rohde & Schwarz	ENV216	101262	2019/07/16	2020/07/16
Telecom ISN 4 Line	Fischer Custom Communications	FFCC-TLISN-T4-02-09	101168	2020/02/03	2021/02/03
Impedance Stabilization Network	TESEQ	ISN T800	51949	2020/02/25	2021/02/25
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	0357.8810.54-102102-HN	2019/07/25	2020/07/25

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 by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.6 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements are $\pm 3\text{dB}$.

Table 3: Emission Measurement Uncertainty

Parameter	Uncertainty
RF power, conducted	$\pm 1.5 \text{ dB}$
Adjacent channel power	$\pm 3 \text{ dB}$
Radiated emission of transmitter, valid up to 26 GHz	$\pm 6 \text{ dB}$
Radiated emission of receiver, valid up to 26 GHz	$\pm 6 \text{ dB}$
Temperature	$\pm 2 \text{ }^\circ\text{C}$
Humidity	$\pm 10 \text{ \%}$

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a Wi-Fi and Bluetooth 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	Wi-Fi and Bluetooth module
Type Designation	AP6398XU
FCC ID	ZQ6-AP6398XU

Table 5: Technical Specification of EUT

Technical Specification	Value
Operating Frequencies	2402~2480 MHz
Channel Spacing	1MHz
Number of Channels	79
Operation Voltage	3.3Vdc
Modulation	GFSK/ π /4 QPSK/8 DPSK
Antenna gain	3.69 dBi
Transmission port	Antenna 1

3.3 Independent Operation Modes

Basic operation modes are:

- A. Transmitting
- B. Receiving
- C. Hopping

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Photo Document
- Technical Description
- Rating Label
- Circuit Diagram
- Block Diagram

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 6: Table for Parameters of Test Software Setting

Mode	Channel Frequency		
	2402 MHz	2441 MHz	2480 MHz
1DH5	Default	Default	Default
2DH5	Default	Default	Default
3DH5	Default	Default	Default

4.2 Test Operation and Test Software

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

This software 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:
A001008650-001

Test Software	Broadcom BlueTool Version 1.9.7.4
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4.3 Special Accessories and Auxiliary Equipment

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

Accessories of EUT:
 N/A

Support Unit:

Item No.	Kind of Equipment	Model Name	Serial Number	Brand Name
1	PC	N/A	N/A	DELL
2	Monitor	P2214Hb	CN-020C1Y-74261-5BL-0RL	Lenovo
3	USB Keyboard	KU-0225	762697	Lenovo
4	USB Mouse	SM-8823	8SS050L24506MT0047T3 812	N/A
5	Fixture	N/A	N/A	DELL

Item No.	Kind of Equipment	Spec
A	Mini USB Cable	1.8m
B	Mini USB Cable	1.8m
C	USB Mouse Cable	1.8m
D	USB Keyboard Cable	1.8m
E	D-Sub Cable	1.8m

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

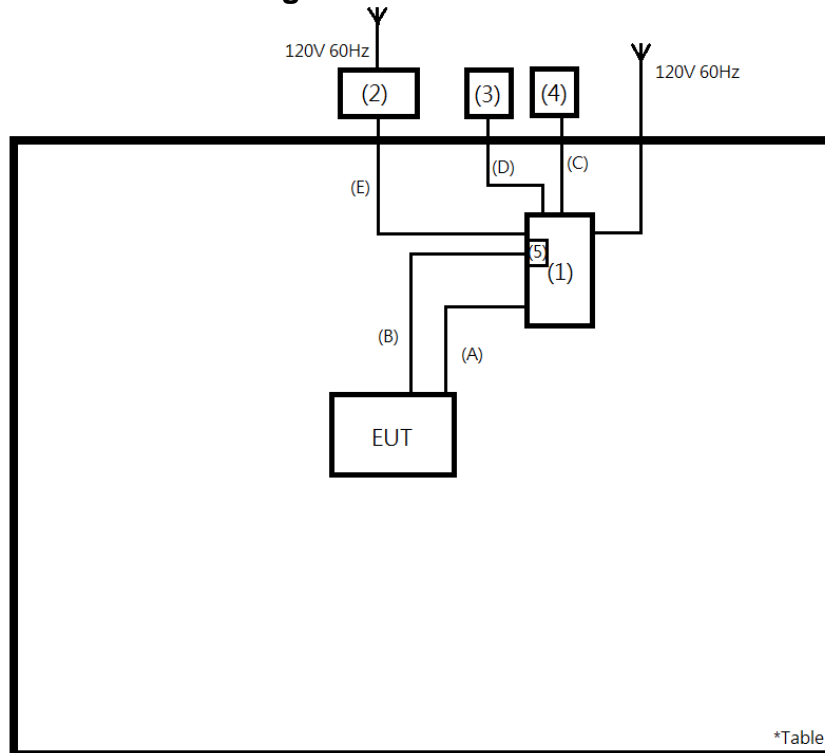


Diagram of Measurement Equipment Configuration for Mains Conduction Measurement (if applicable)

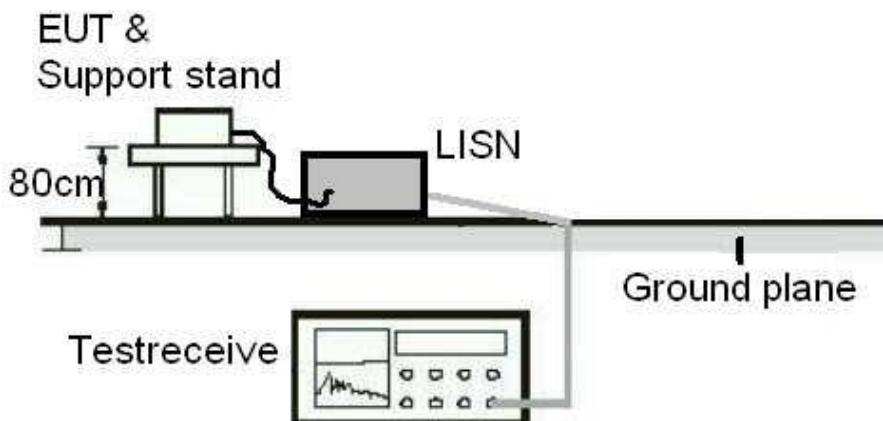
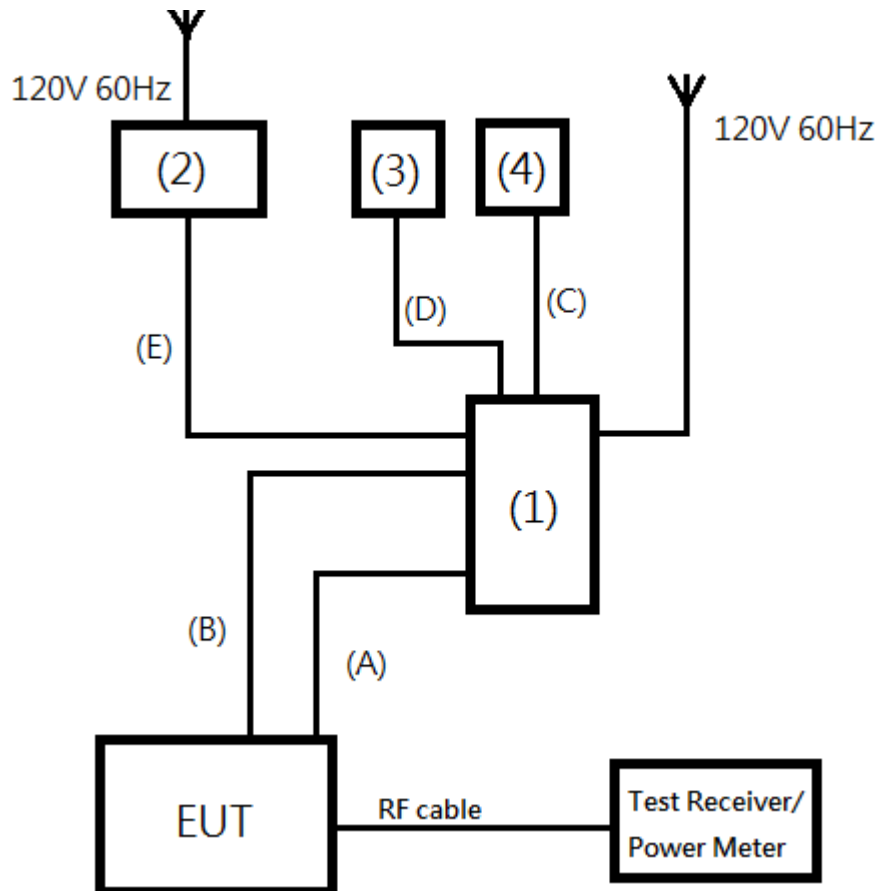


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



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

According to the manufacturer declaration, the EUT has an antenna with a directional gain of 3.69 dBi .
The antenna is PCB 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 Maximum peak conducted output power

RESULT:
Passed

Test standard : FCC Part 15.247(b)(1)
 Basic standard : ANSI C63.10:2013, KDB558074
 Limit : 1 Watt
 Kind of test site : Shielded room/Conducted room

Test setup

Test Channel : Low/ Middle/ High
 Operation Mode : A

 Ambient temperature : 18-25 °C
 Relative humidity : 50-65 %
 Atmospheric pressure : 100-103kPa

Table 7: Test result of Peak Output Power, 1DH5

Channel	Channel Frequency (MHz)	Output Power		Limit (W)
		(dBm)	(W)	
Low Channel	2402	7.01	0.00502	1
Middle Channel	2441	7.27	0.00533	1
High Channel	2480	6.94	0.00494	1

Table 8: Test result of Peak Output Power, 2DH5

Channel	Channel Frequency (MHz)	Output Power		Limit (W)
		(dBm)	(W)	
Low Channel	2402	8.48	0.00705	1
Middle Channel	2441	8.81	0.00760	1
High Channel	2480	8.25	0.00668	1

Table 9: Test result of Peak Output Power, 3DH5

Channel	Channel Frequency (MHz)	Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2402	8.41	0.00693	1
Middle Channel	2441	8.85	0.00767	1
High Channel	2480	8.64	0.00731	1

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 : 18-25°C
 Relative humidity : 50-65%
 Atmospheric pressure : 100-103kPa

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

Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	908.10	1.5	Pass
Mid Channel	2441	908.10	1.5	Pass
High Channel	2480	908.10	1.5	Pass

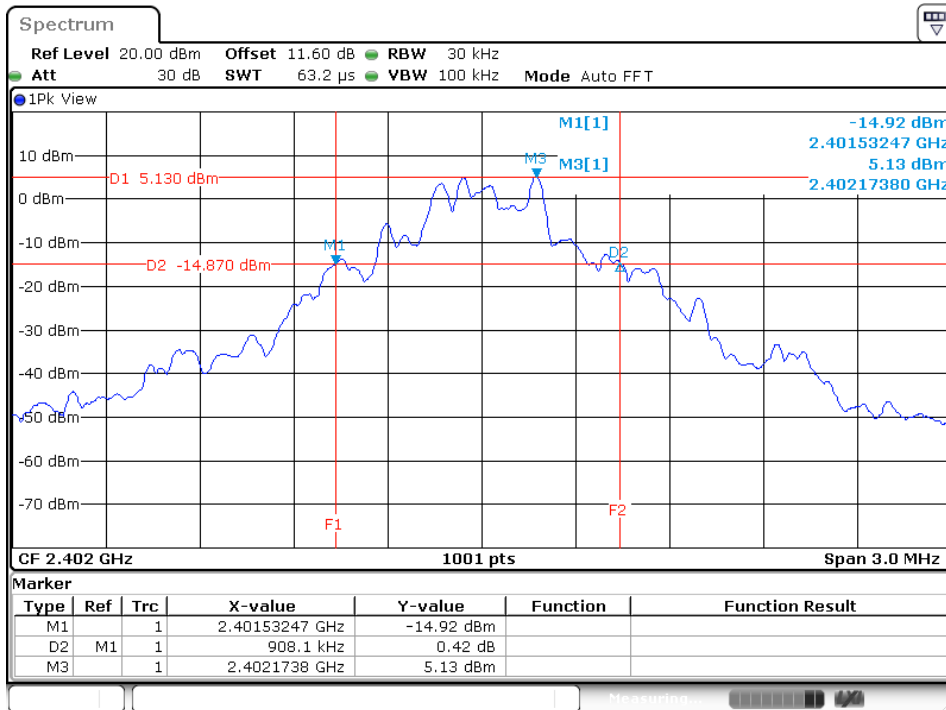
Note: Limit is for Channel Separation of 1 MHz and a power limit of 125 mW.

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

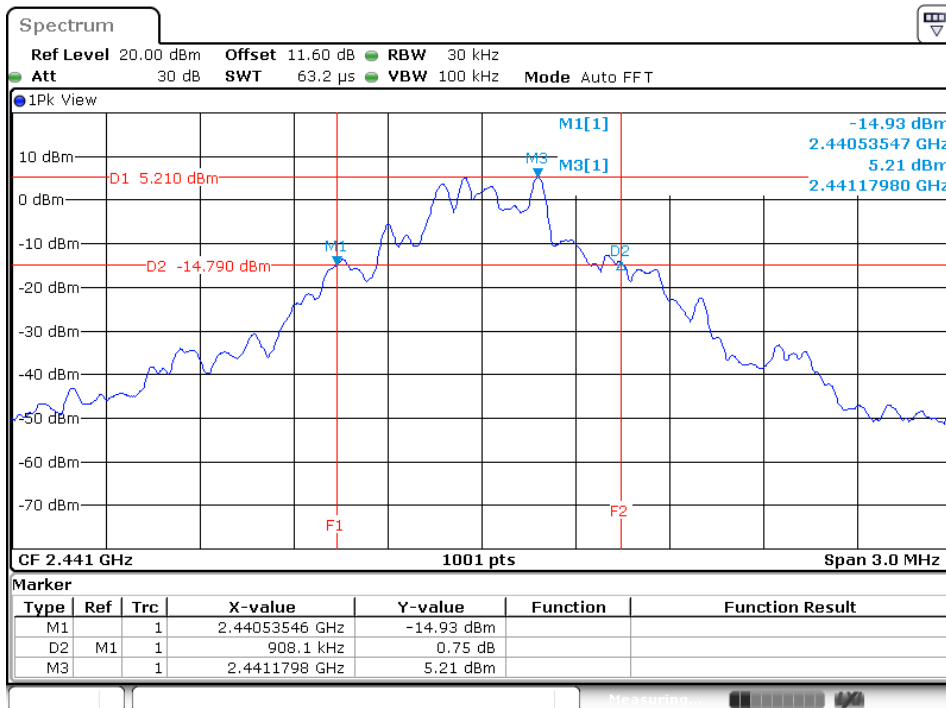
Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Result
Low Channel	2402	1.3097	1.5	Pass
Mid Channel	2441	1.30970	1.5	Pass
High Channel	2480	1.30970	1.5	Pass

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

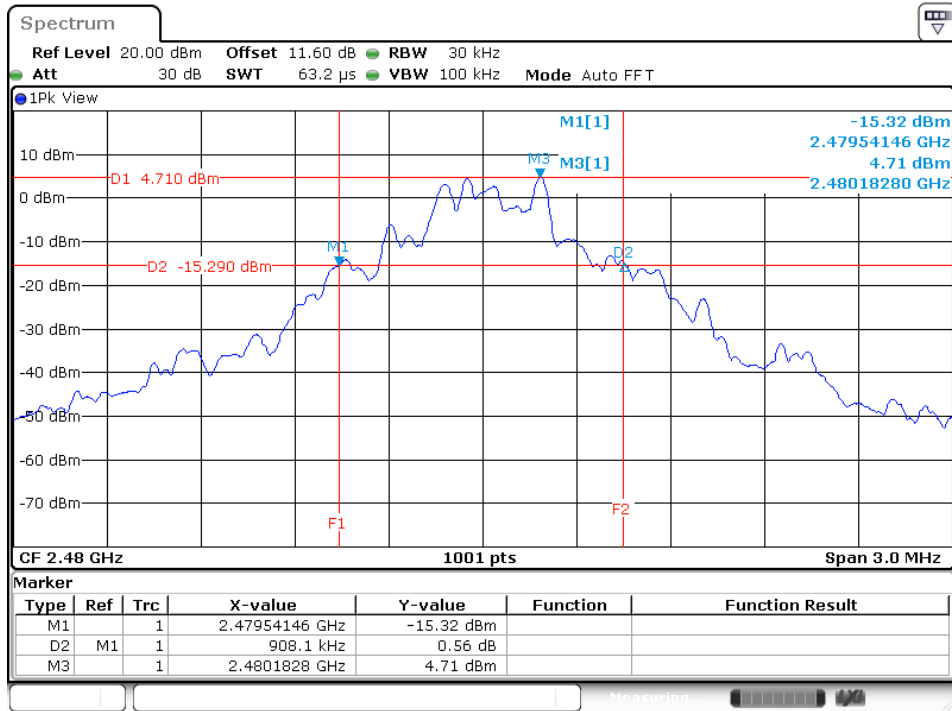
If the carrier separation frequency of a Bluetooth Device is set at 1 MHz due to the firmware setting and the Bluetooth Standard, then for power <125 mW the limit for the 20 dB Bandwidth, becomes 1 MHz / 0.66666 = 1.5 MHz.

Test Plot of 20dB Bandwidth, 1DH5
Low Channel


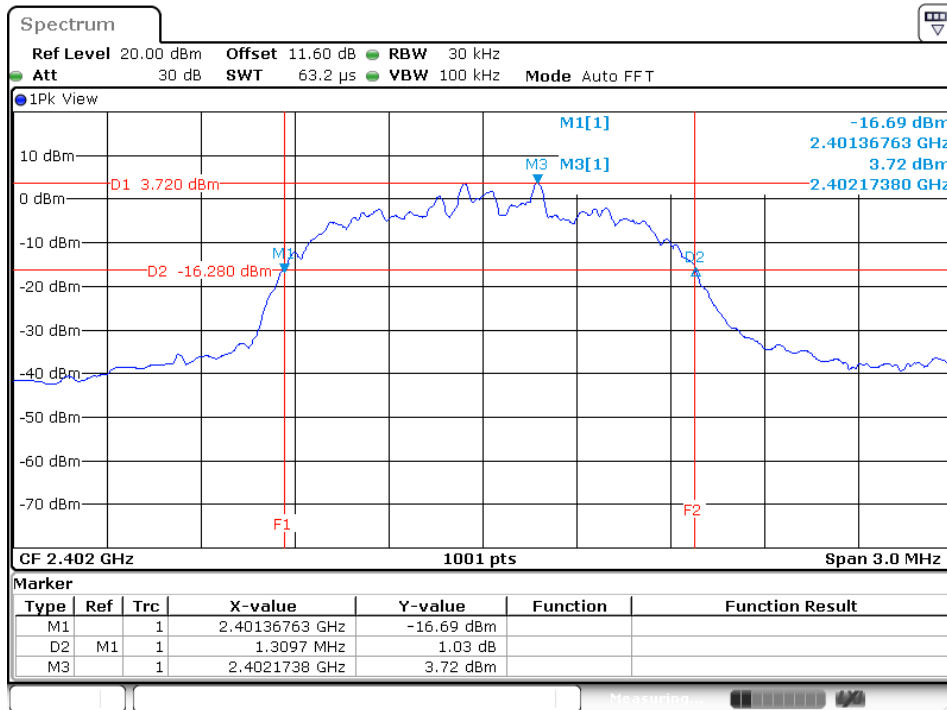
Date: 30.APR.2020 15:08:45

Middle Channel


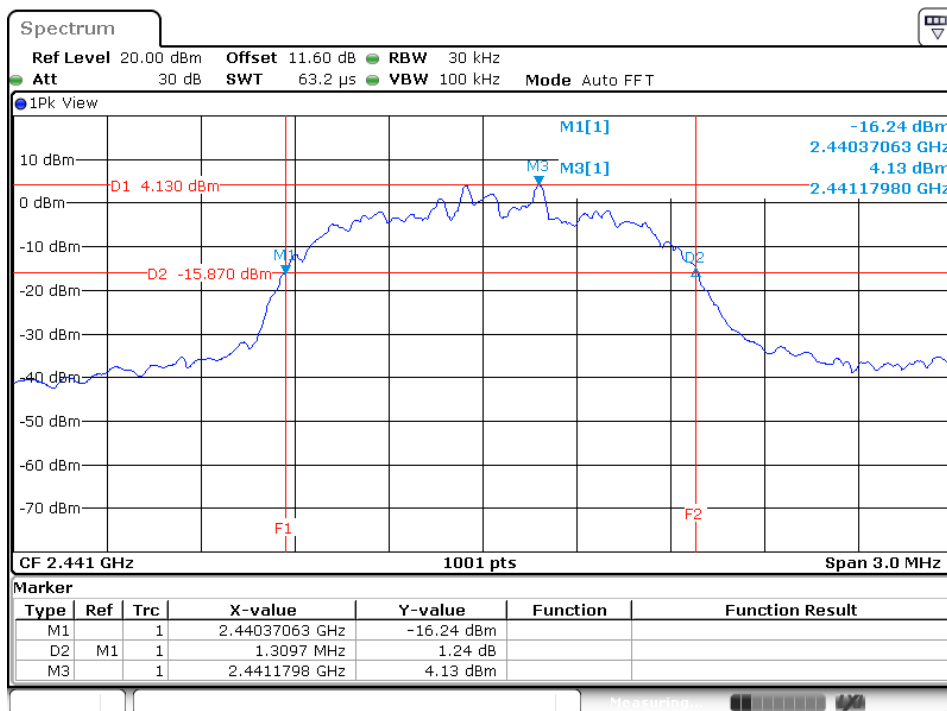
Date: 30.APR.2020 15:13:35

High Channel


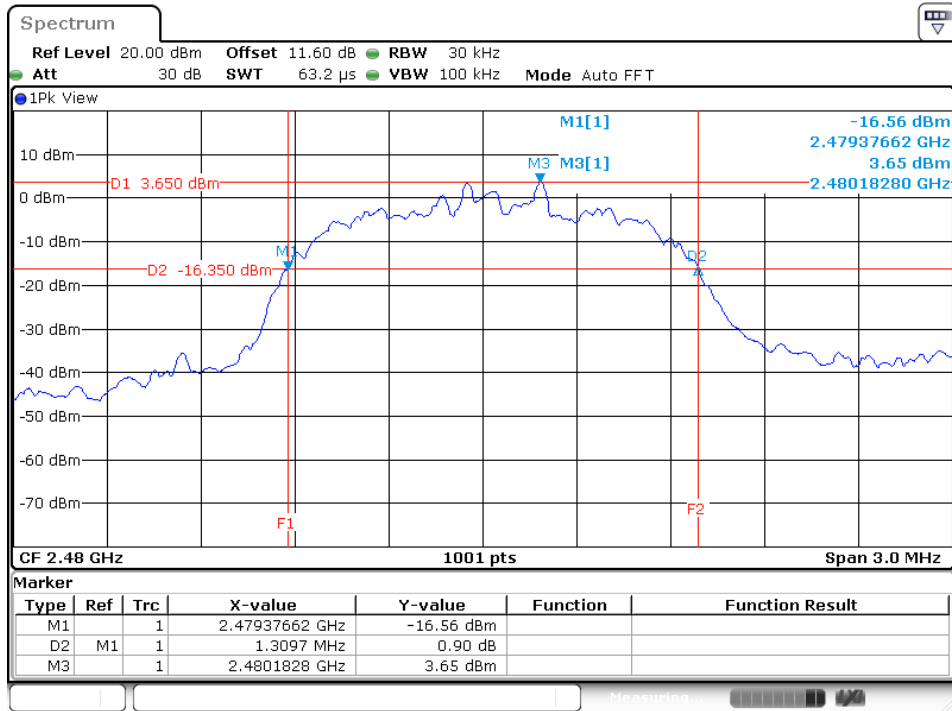
Date: 30.APR.2020 15:17:45

Test Plot of 20dB Bandwidth, 3DH5
Low Channel


Date: 30.APR.2020 15:39:46

Middle Channel


Date: 30.APR.2020 15:43:04

High Channel


Date: 30.APR.2020 15:46:48

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

RESULT:**Passed**

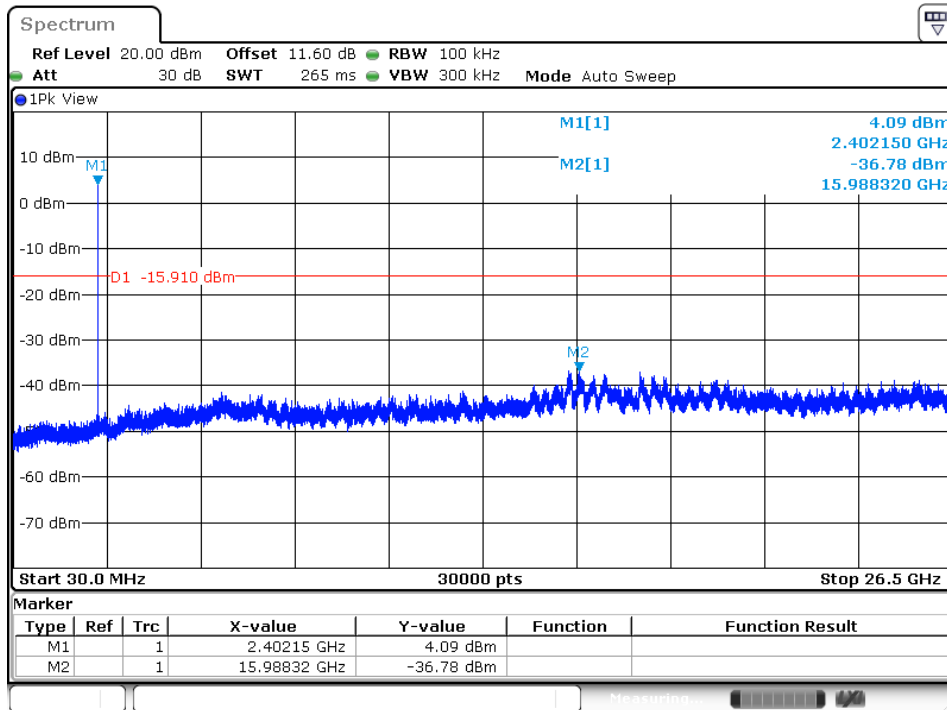
Test standard	:	FCC part 15.247(d)
Basic standard	:	ANSI C63.10:2013
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power)
Kind of test site	:	Shielded room

Test setup

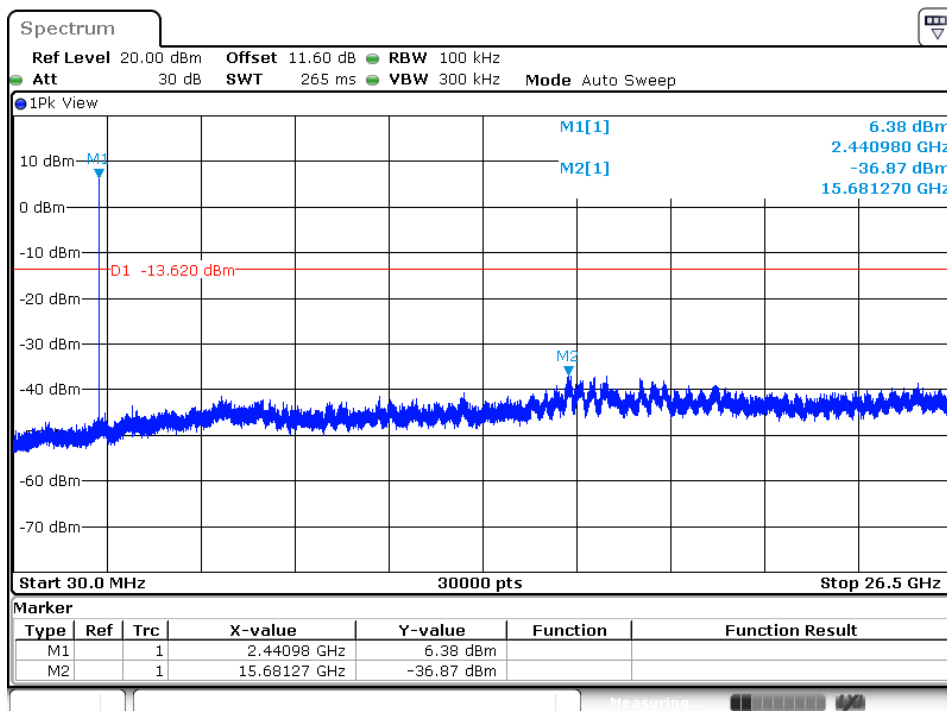
Test Channel	:	Low/ Middle/ High for Conducted Spurious Emissions Low/ High/ Hopping on for Frequency Band Edge
Operation Mode	:	A, C
Ambient temperature	:	18-25°C
Relative humidity	:	50-65%
Atmospheric pressure	:	100-103 kPa

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

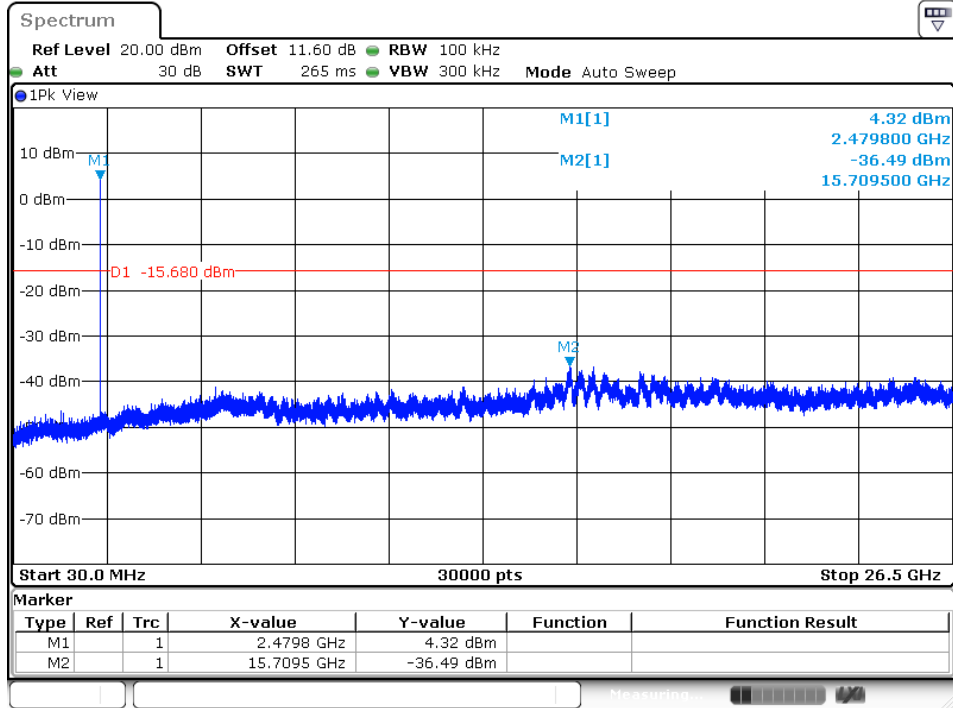
Due to the small size of the RF circuit and that there are no inductive components of significant size connected to the antenna port, 9kHz to 30MHz frequency range is not tested based on technical judgment.

Test Plot of 100kHz Conducted Emissions, 1DH5
Low Channel


Date: 30.APR.2020 15:09:37

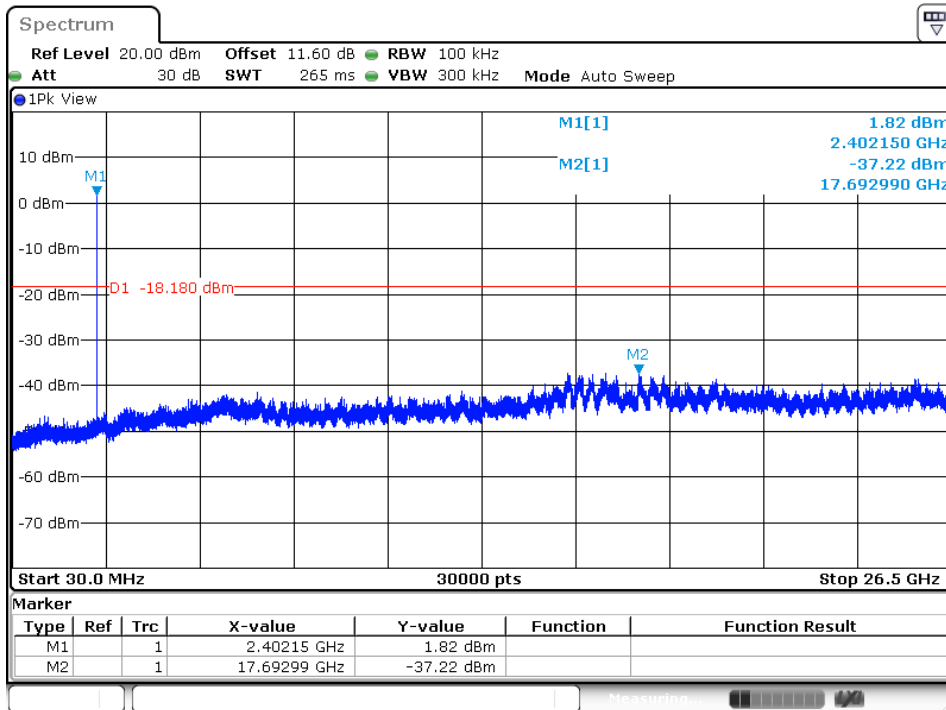
Middle Channel


Date: 30.APR.2020 15:14:26

High Channel


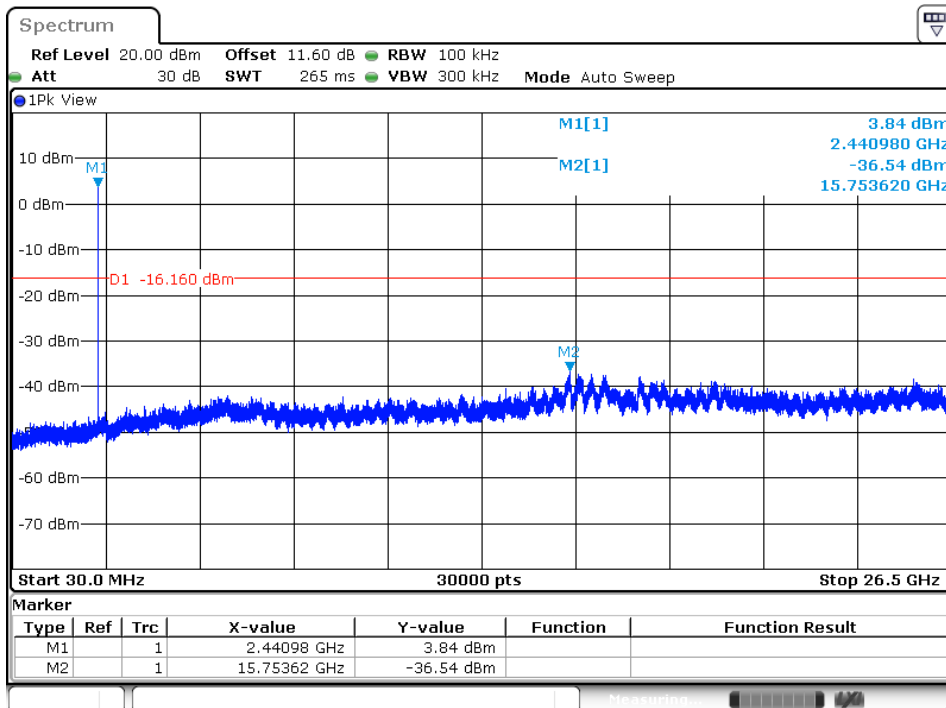
Date: 30.APR.2020 15:18:41

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

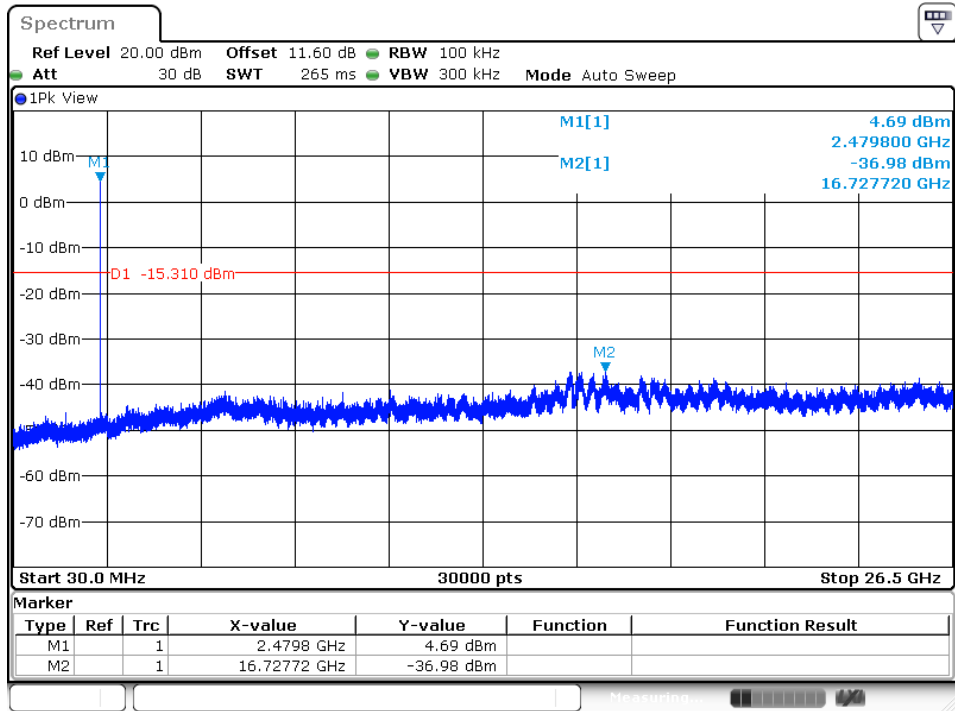


Date: 30.APR.2020 15:40:38

Middle Channel

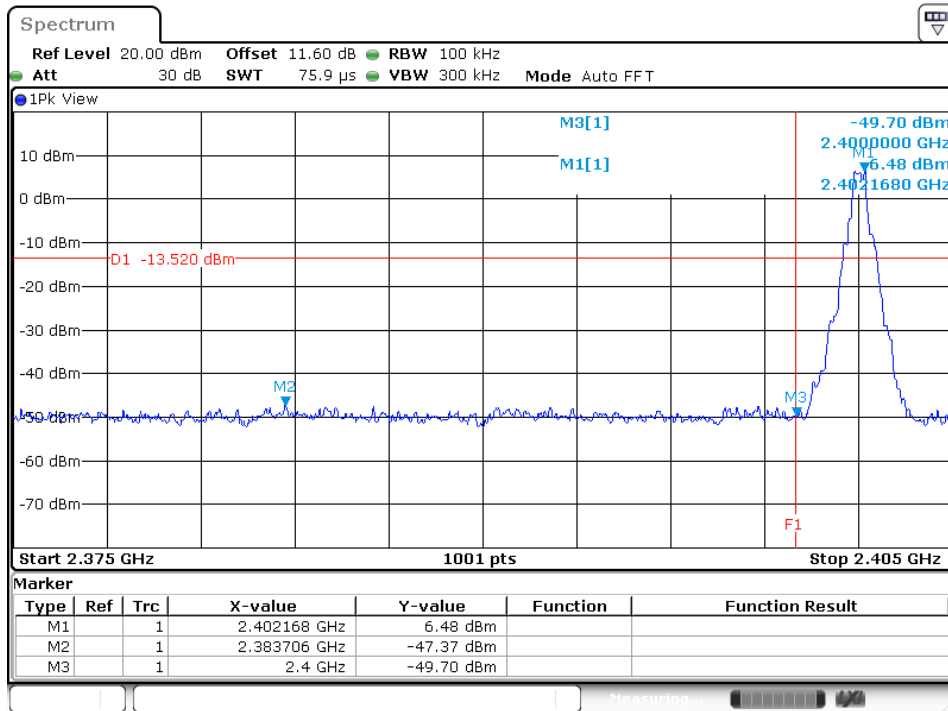


Date: 30.APR.2020 15:43:59

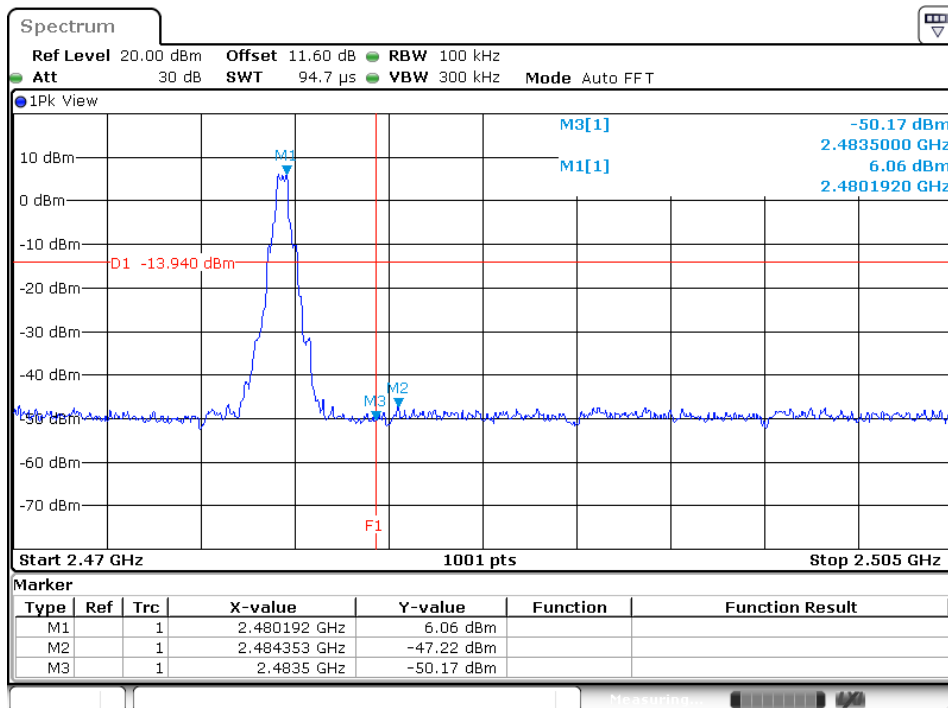
High Channel


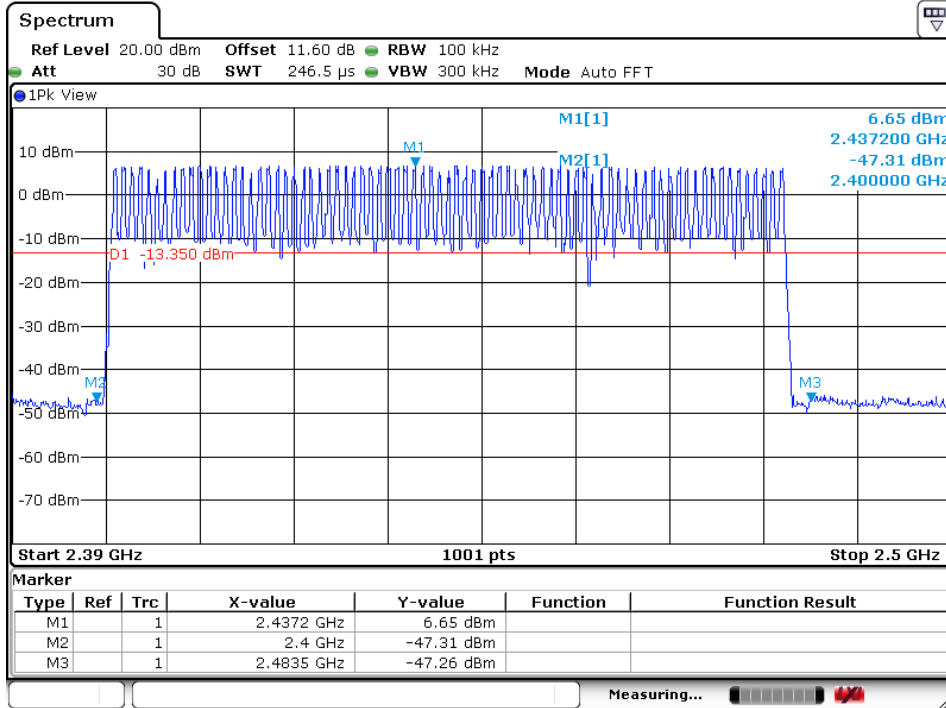
Date: 30.APR.2020 15:47:39

Test Plot of 100kHz Bandwidth of Frequency Band Edge, DH5 Low Channel

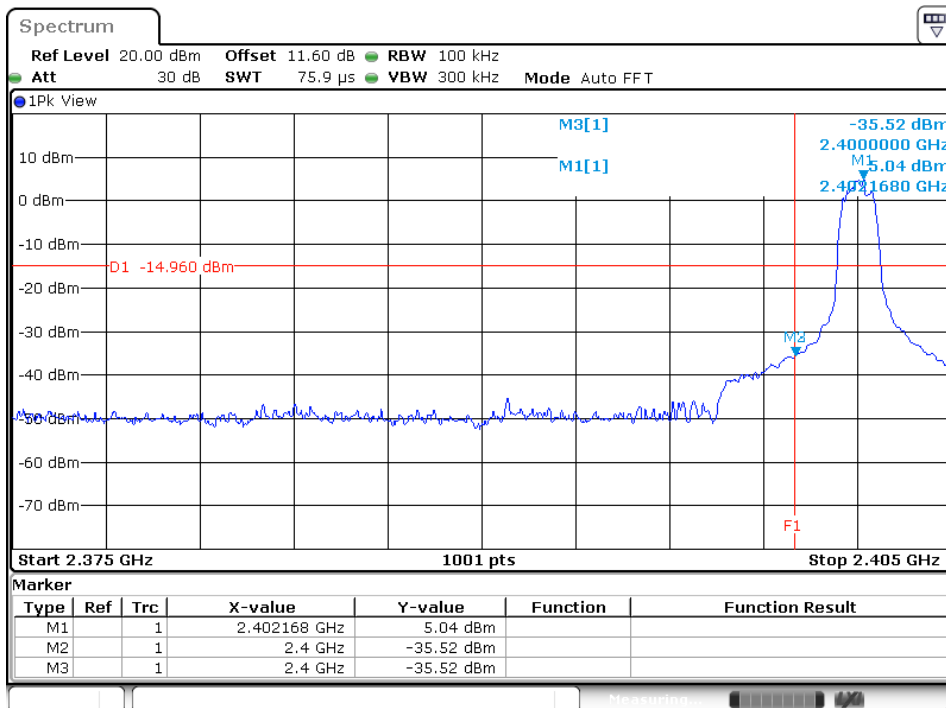


High Channel

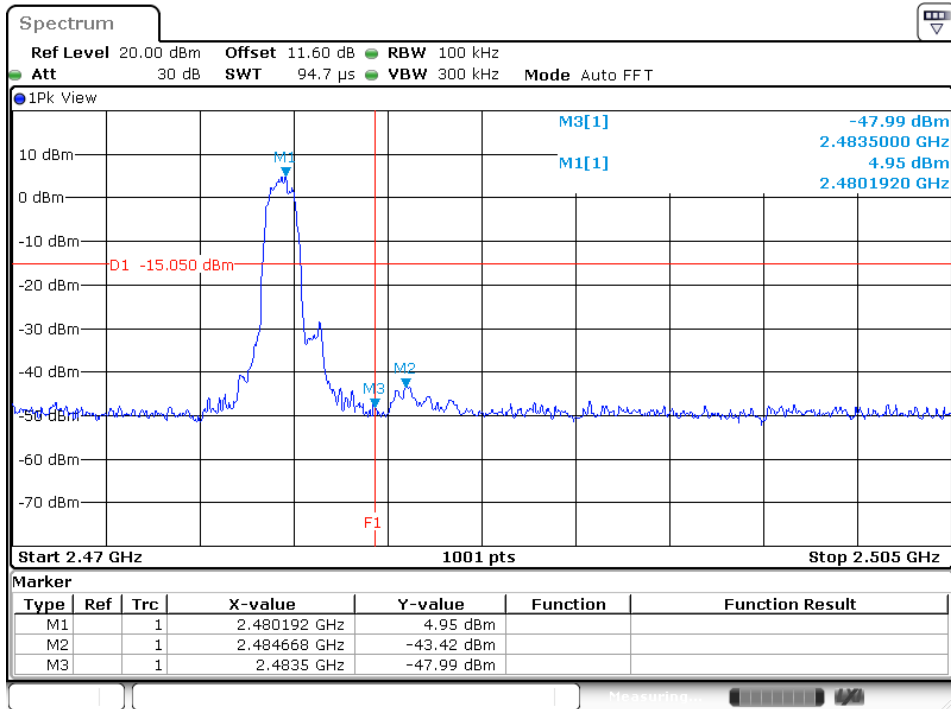
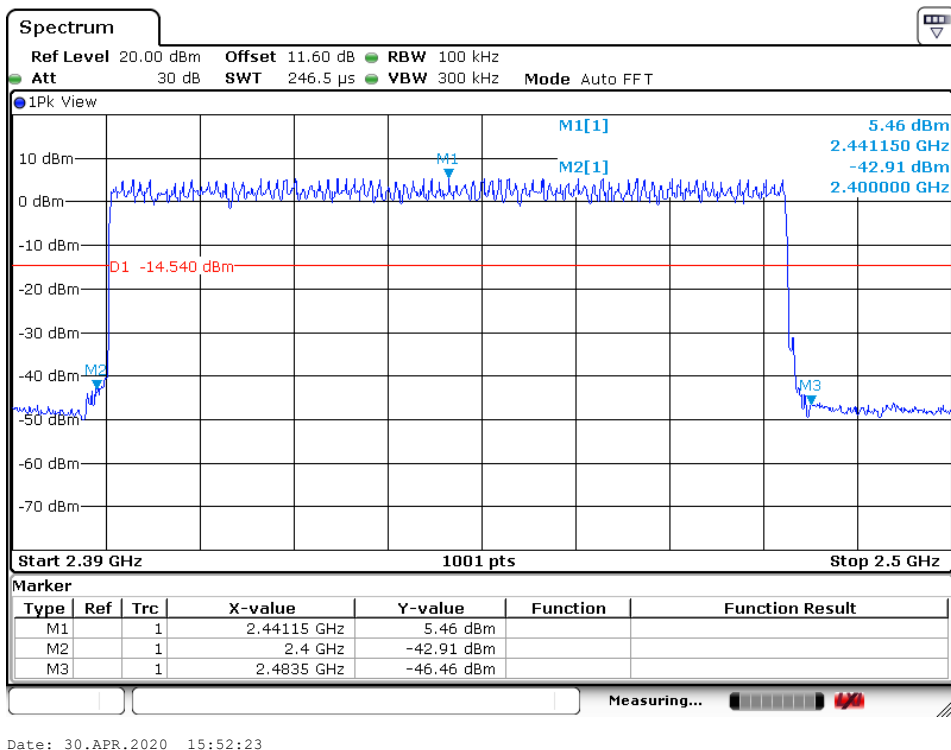


Hopping


Date: 30.APR.2020 15:25:33

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


Date: 30.APR.2020 15:41:08

High Channel

Hopping


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) and ISED RSS-Gen i5, 8.10 (Table 7), must comply with the radiated emission limits specified in FCC 15.209(a) and ISED RSS-Gen 5, 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 ISED RSS-247 i2, 5.5

Kind of test site : 3m Semi-Anechoic Chamber

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A
Ambient temperature : 18-25°C
Relative humidity : 50-65%
Atmospheric pressure : 100-103kPa

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 : 18-25°C
 Relative humidity : 50-65%
 Atmospheric pressure : 100-103kPa

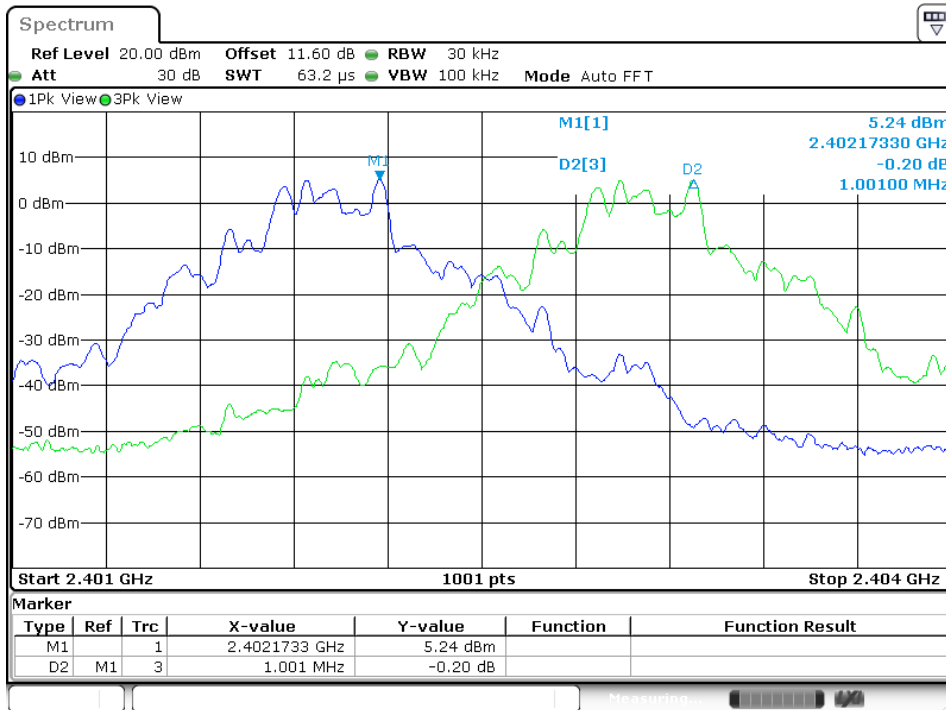
Table 12: Test result of Frequency Separation, 1DH5

Channel	Freq. (MHz)	Adjacent Channel Separation	20 dB Bandwidth	Minimum Limit	Result
		(MHz)	(KHz)	(MHz)	
0	2402	1.00	908.10	0.6054	Pass
39	2441	1.00	908.10	0.6054	Pass
78	2480	0.998	908.10	0.6054	Pass

Table 13: Test result of Frequency Separation, 3DH5

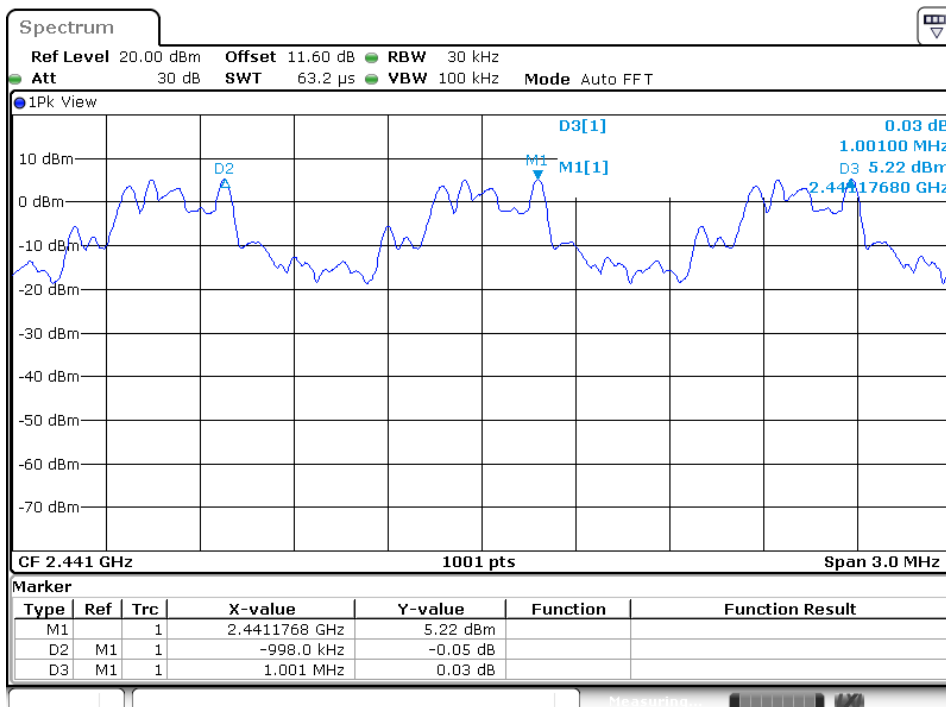
Channel	Freq. (MHz)	Adjacent Channel Separation	20 dB Bandwidth	Minimum Limit	Result
		(MHz)	(KHz)	(MHz)	
0	2402	1.00	1309.70	0.873133333	Pass
39	2441	1.00	1309.70	0.873133333	Pass
78	2480	0.998	1309.70	0.873133333	Pass

Test Plot of Frequency Separation, 1DH5 Low Channel

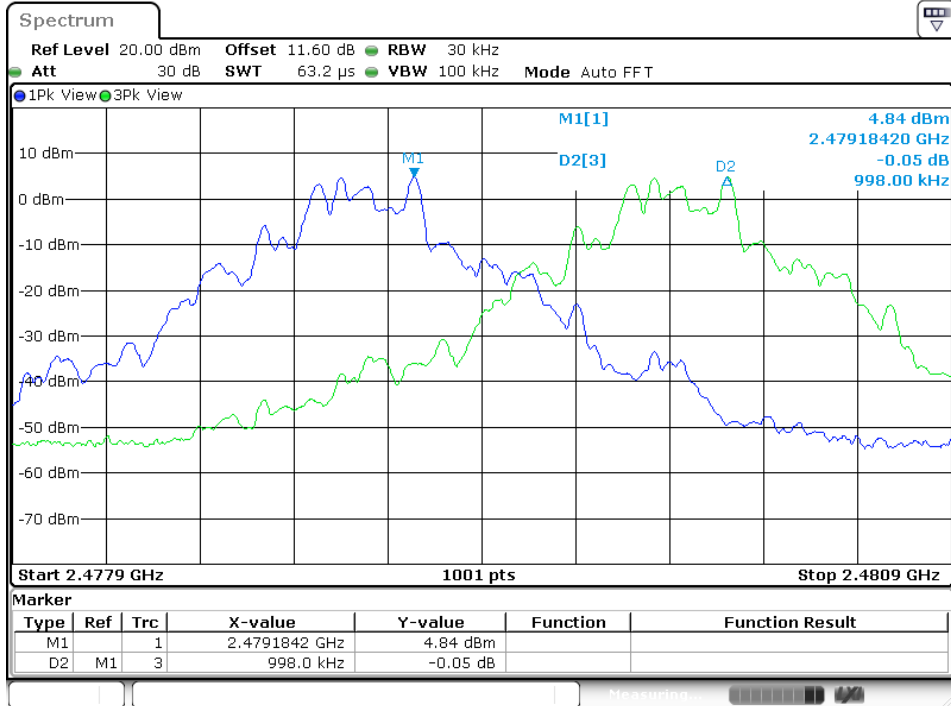


Date: 30.APR.2020 15:12:24

Middle Channel

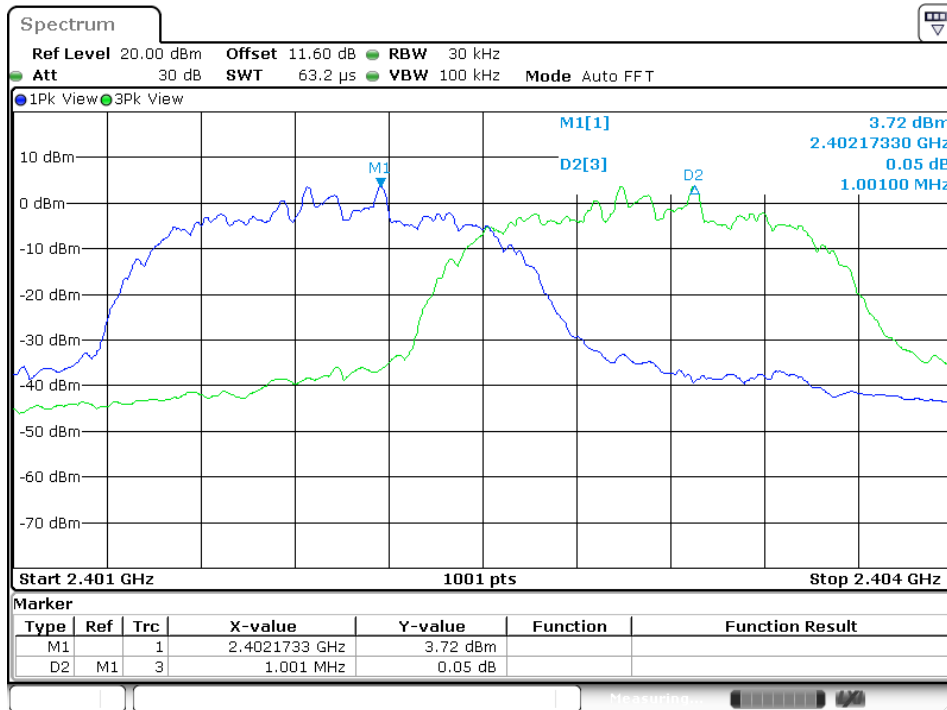


Date: 30.APR.2020 15:16:29

High Channel


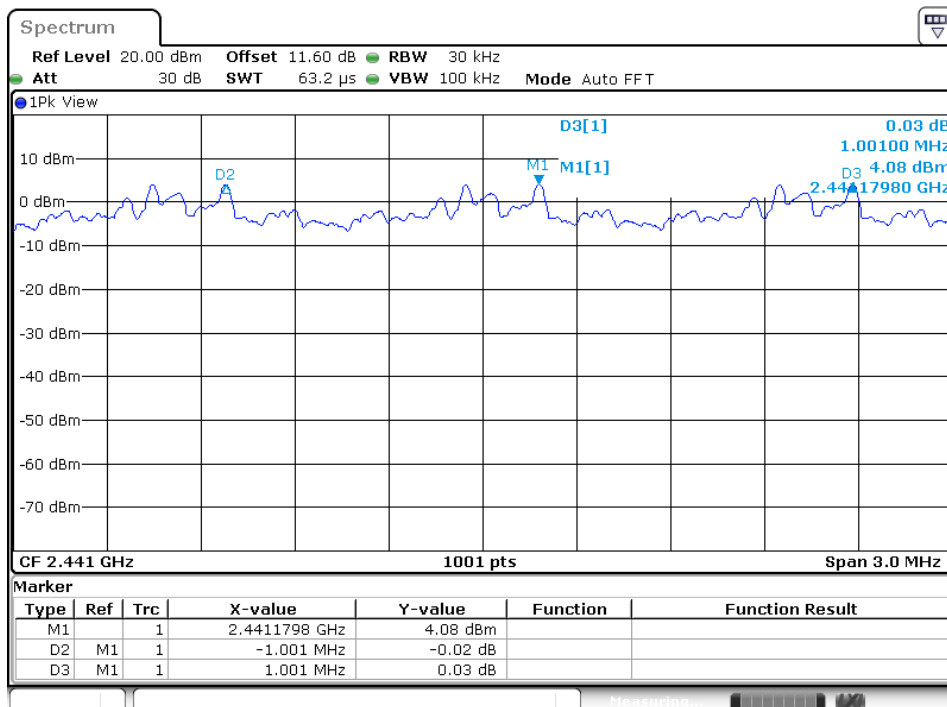
Date: 30.APR.2020 15:20:25

Test Plot of Frequency Separation, 3DH5 Low Channel

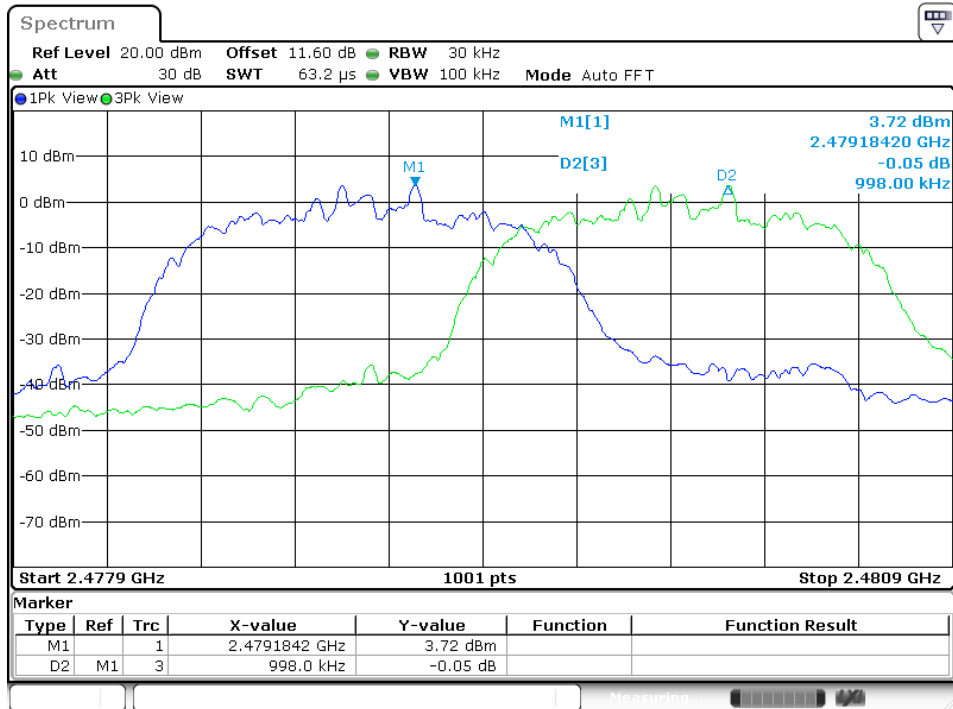


Date: 30.APR.2020 15:41:57

Middle Channel



Date: 30.APR.2020 15:45:40

High Channel


Date: 30.APR.2020 15:49:13

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 setup

Test Channel : Hopping On
 Operation Mode : C

 Ambient temperature : 18-25°C
 Relative humidity : 50-65%
 Atmospheric pressure : 100-103kPa

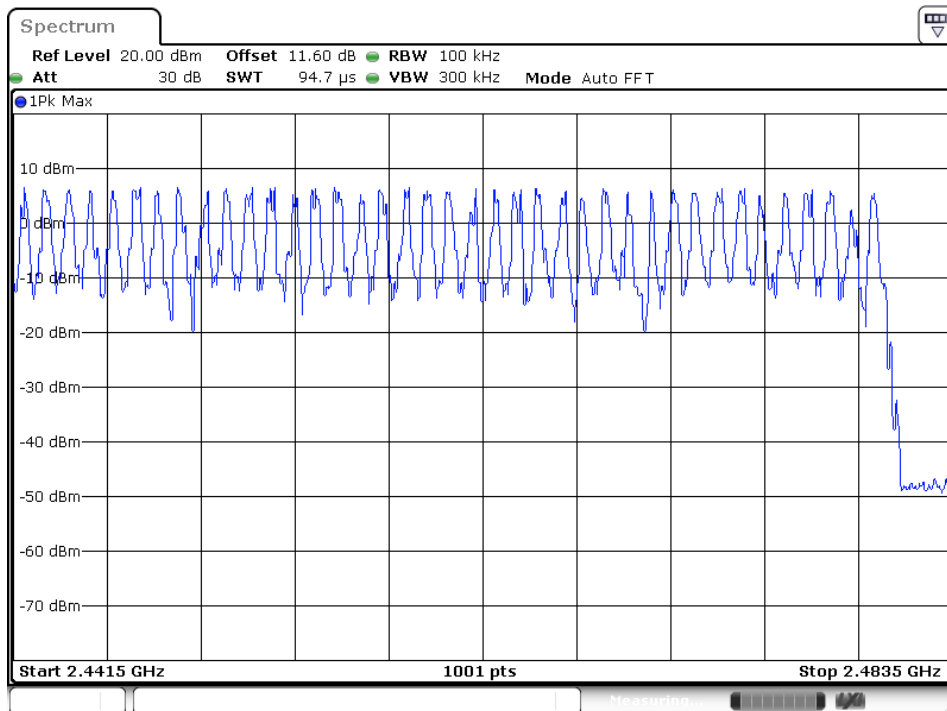
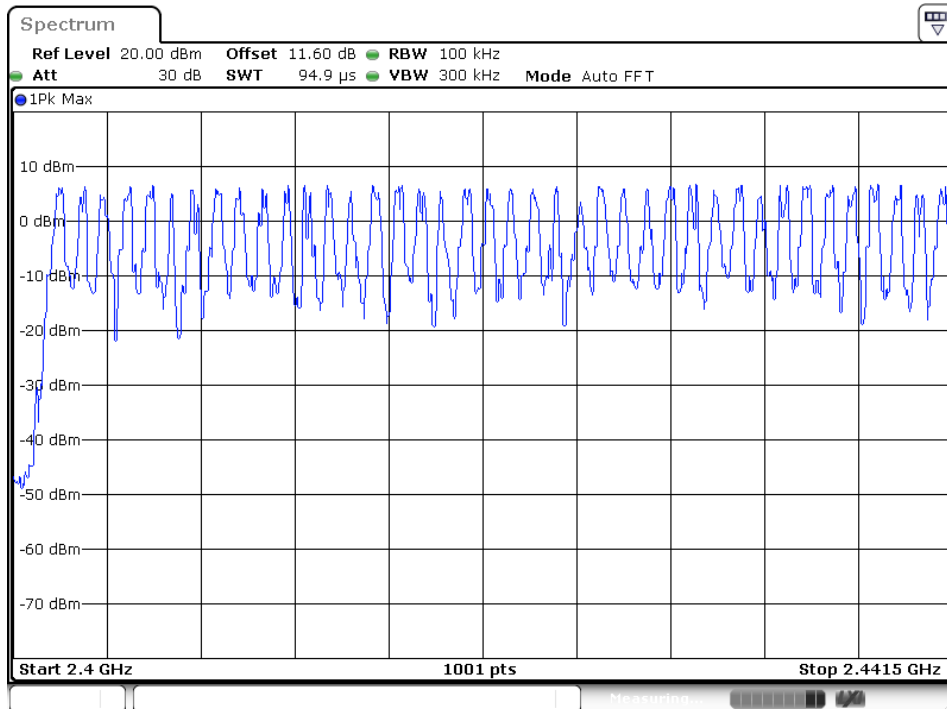
Table 14: Test result of Number of hopping frequency, 1DH5

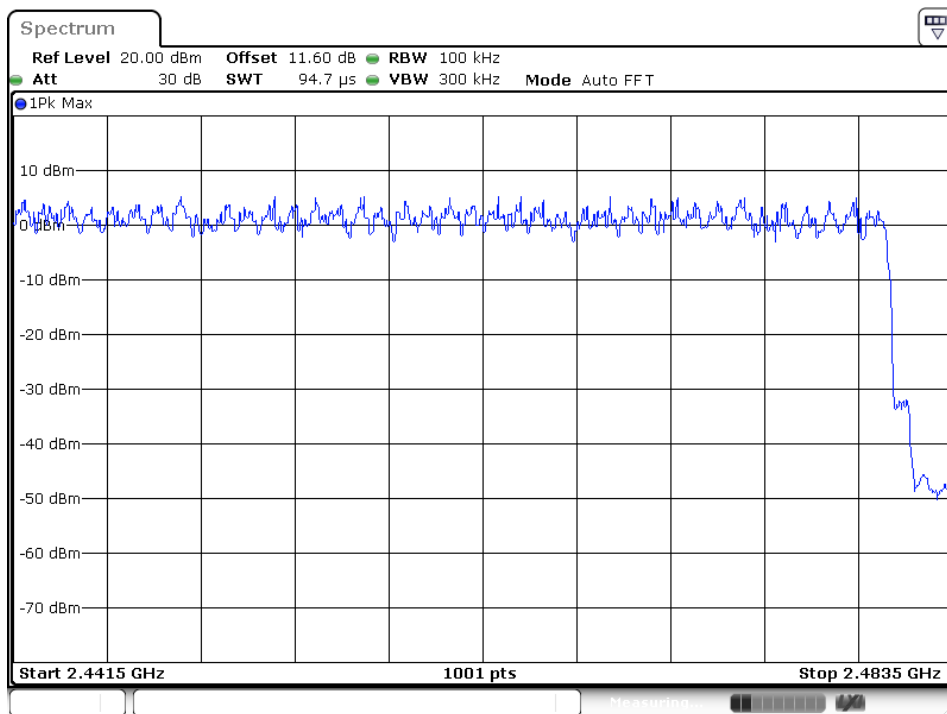
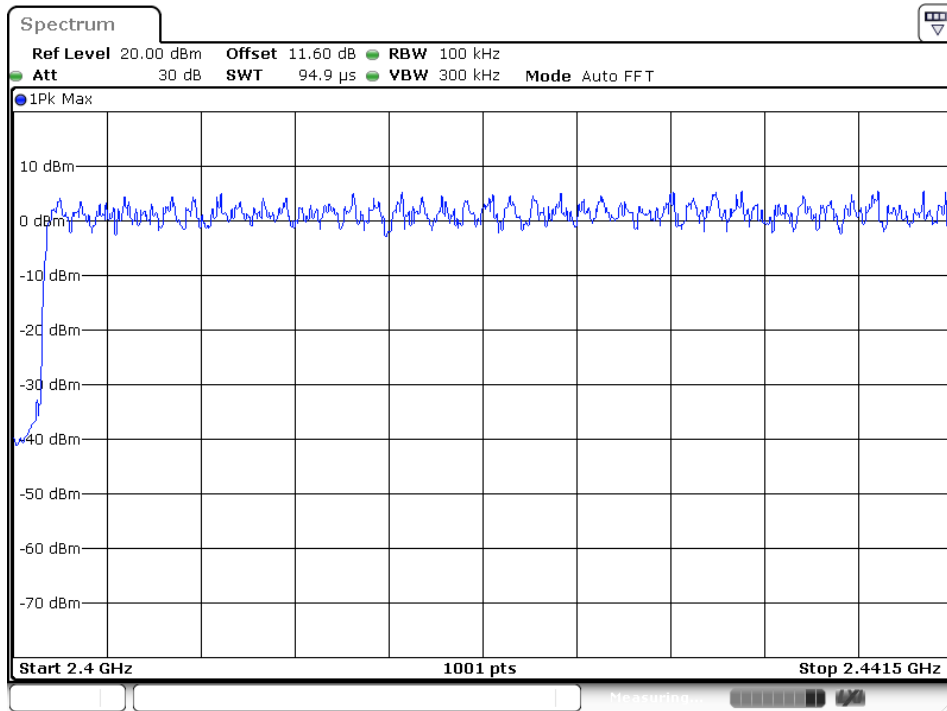
Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
<u>2400</u> to <u>2483.5</u> MHz	79	≥15	Pass

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


3DH5


5.1.8 Time of Occupancy

RESULT:
Passed

Test standard : FCC part 15.247(a)(1)(iii)
 Basic standard : ANSI C63.10:2013
 Limits : 400ms
 Kind of test site : Shield room

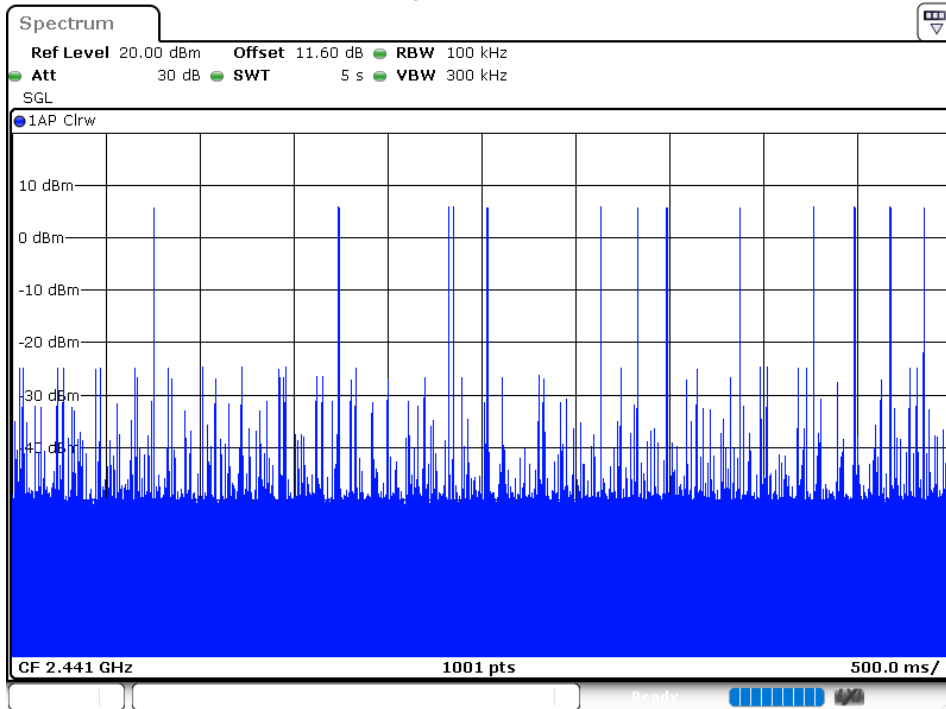
Test setup

Test Channel : Middle Channel (2441MHz)
 Operation Mode : A
 Ambient temperature : 18-25°C
 Relative humidity : 50-65%
 Atmospheric pressure : 100-103kPa

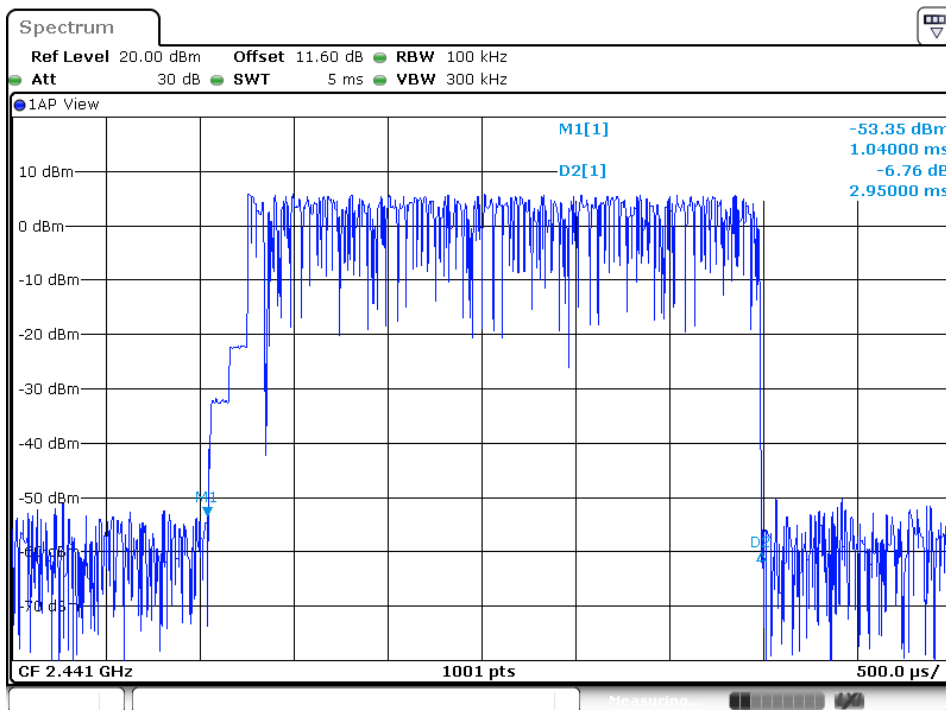
Table 16: Test result of Time of Occupancy

Mode	Number of Transmission in a 31.6 (79 Hopping*0.4)				Length of Transmission Time (msec)	Result	Limit
						(msec)	(msec)
1DH5	13	(times / 5 sec) 6.32 = *	82.16	times	2.95	242.372	400
3DH5	15	(times / 5 sec) 6.32 = *	94.8	times	2.95	279.66	400

Test Plot of Time of Occupancy, 1DH5

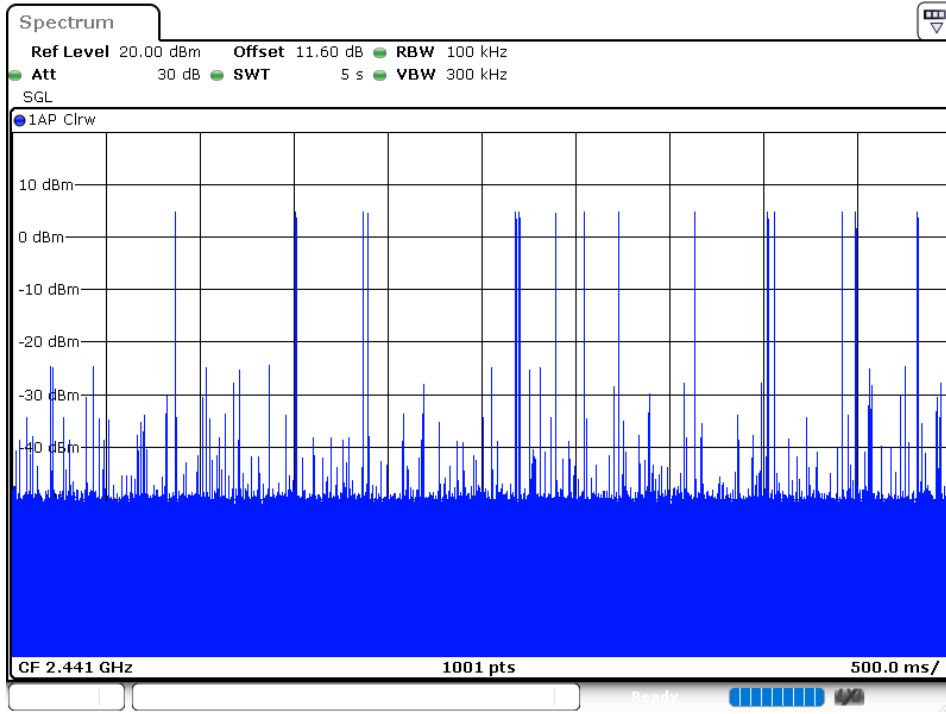


Date: 30.APR.2020 15:37:40

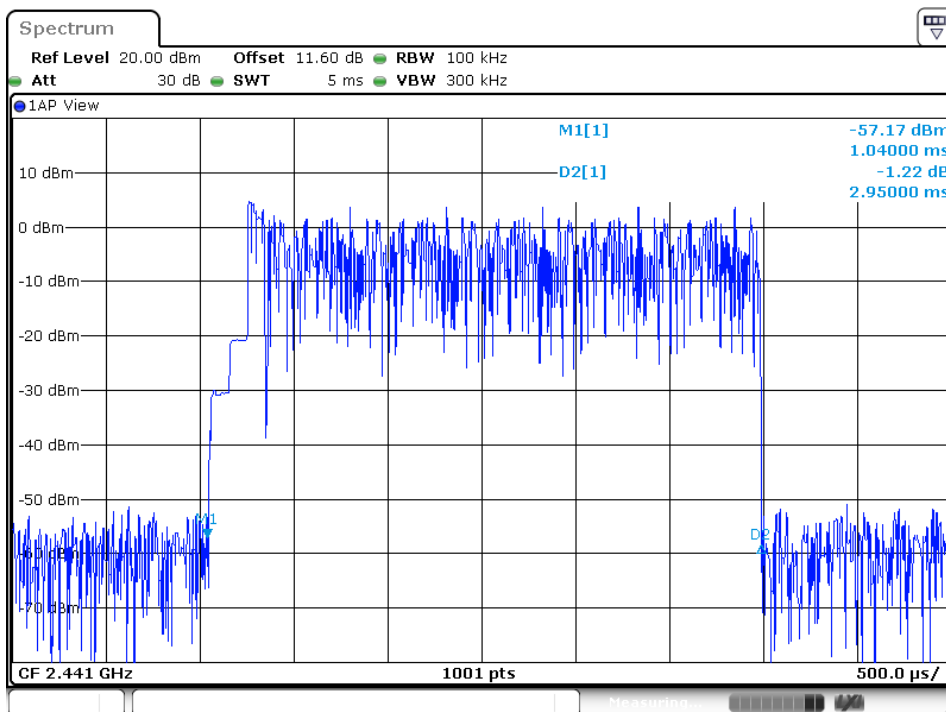


Date: 30.APR.2020 15:37:58

Test Plot of Time of Occupancy, 3DH5



Date: 30.APR.2020 15:52:47



Date: 30.APR.2020 15:53:05

5.1.9 Mains Conducted Emissions

RESULT:**Passed**

Test standard : FCC Part 15.207, FCC Part 15.107
Limits : Mains Conducted emissions as defined in
above standards
Kind of test site : Shielded Room

Test setup

Test Channel : 1DH5, 2402MHz
Operation mode : A

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

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
FCC CFR 47 Part 2 Subpart J Section 2.1091

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

FCC Maximum Exposure:

Mode	Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Maximum Output Power (dBm)	Output Power (mW)	Power Density (S)(mW/cm ²)	Test Result
3DH5	2440	3.69	2.3388	8.85	7.6736	0.003572	Pass

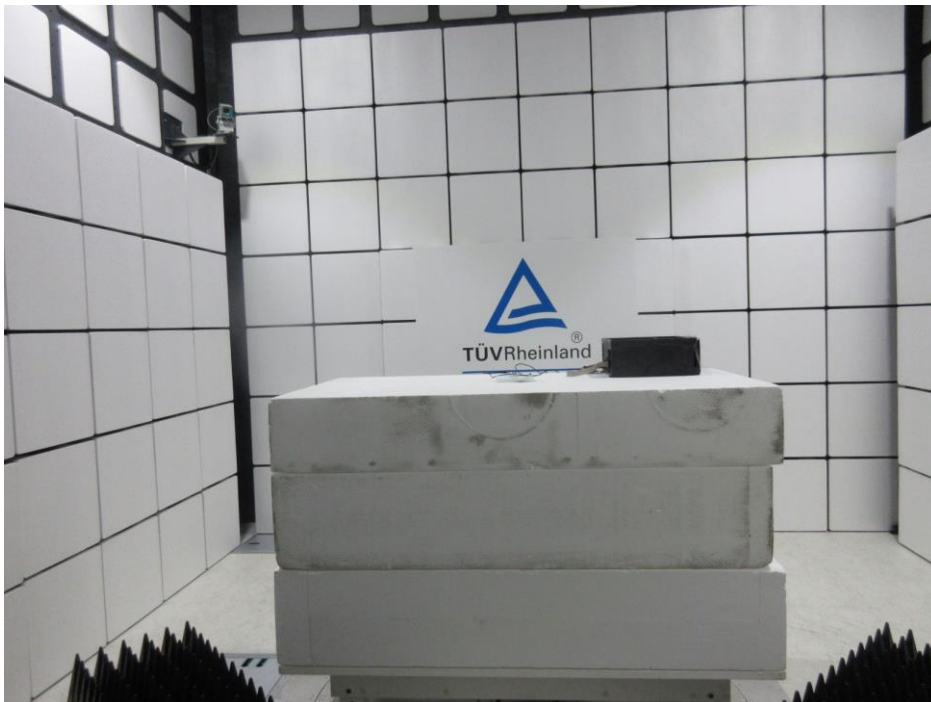
Limit FCC: 1500-100,000 MHz 1.0 mW/cm²

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)



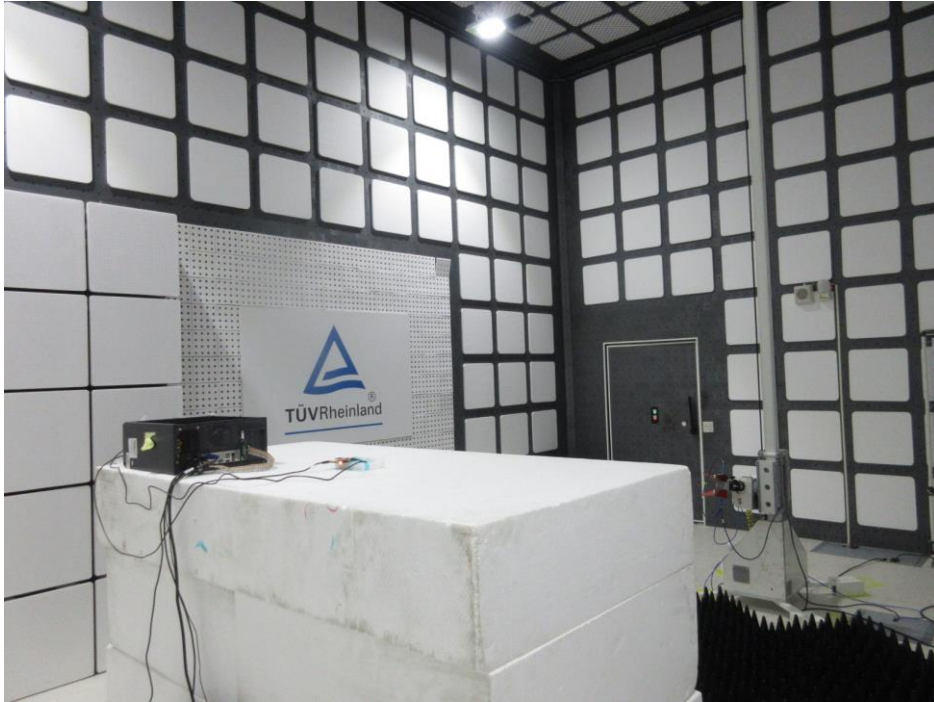
Photograph 3: Set-up for Spurious Emissions (Back View 1)



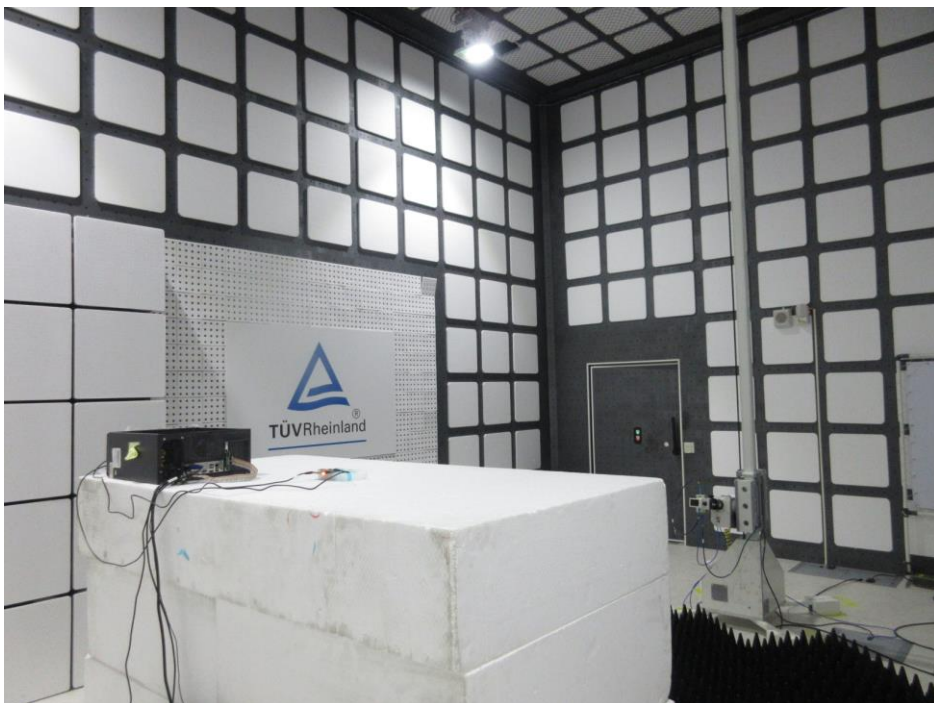
Photograph 4: Set-up for Spurious Emissions (Back View 2)



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 AC Mains Conducted testing (Front View)



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



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