

Prüfbericht-Nr.: Test report no.:	50345024 001	Auftrags-Nr.: Order no.:	238113663	Seite 1 von 44 Page 1 of 44
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	16-Dec-2019	
Auftraggeber: Client:	Vencer Co., Ltd. 14F-12, No.79, Sec. 1, Hsin Tai Wu Road, His-Chih, New Taipei City, Taiwan 22101 Manufacturer: WANSTONIC ELECTRONICS (DONG GUAN) CO., LTD. TUNG FU RD. WEST. SHI JIE TOWN. DONGGUAN CITY. GUANGDONG. CHINA			
Prüfgegenstand: Test item:	Earphones			
Bezeichnung / Typ-Nr.: Identification / Type no.:	EP-E50A			
Auftrags-Inhalt: Order content:	FCC Part 15C / IC RSS-247 Test report (BT)			
Prüfgrundlage: Test specification:	FCC 47CFR Part 15: Subpart C Section 15.247 (FHSS) ISED RSS-247 Issue 2, Feb 2017			
Wareneingangsdatum: Date of sample receipt:	12-Dec-2019			
Prüfmuster-Nr.: Test sample no.:	A001041513-004 A001041513-003			
Prüfzeitraum: Testing period:	20-Jan-2020 ~ 19-Feb-2020			
Ort der Prüfung: Place of testing:	EMC/RF Laboratory Taipei			
Prüflaboratorium: Testing laboratory:	Taipei Testing Laboratories			
Prüfergebnis*: Test result*:	Pass			
überprüft von: reviewed by:	genehmigt von authorized by:			
Datum: 21-Feb-2020 Date:			Datum: 21-Feb-2020 Date:	
Stellung / Position:	Mars Y.J. Lin/Project Manager		Stellung / Position:	Arvin Ho/Vice General Manager
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	4 = ausreichend N/A = nicht anwendbar
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory F(ail) = failed a.m. test specification(s)	4 = sufficient N/A = not applicable
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 AND 99% 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 internal view
(File Name: 50345023 001, 50345024 001 Appendix P)

Appendix D: Test Result of Radiated Emissions
(File Name: 50345024 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 ANSI C63.10:2013 ISED RSS-247 Issue 2, Feb 2017 FCC KDB Publication 447498 D01 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

AC Mains Conduction / Radiated Test:
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

Conducted Test:
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

<Radiated Emission>

Test Date: 13-Feb-2020

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESR 7	101062	2019/10/15	2020/10/15
Spectrum Analyzer	Rohde & Schwarz	FSV-40	100921	2019/04/30	2020/04/30
Pre-Amplifier	Hewlett Packard	8447F	2805A03335	2019/09/11	2020/09/11
Pre-Amplifier	EM Electronics	EM01G18G	060558	2019/12/24	2020/12/24
Pre-Amplifier	EMC Instruments	EMC184045SE	980609(980408)	2019/06/14	2020/06/14
Bilog Antenna	TESEQ	CBL 6111D	29802	2019/09/10	2020/09/10
Horn Antenna	ETS-Lindgren	3117	00138160	2019/06/24	2020/06/24
Horn Antenna	Schwarzbeck	BBHA 9170	00907	2019/04/12	2020/04/12
Loop Antenna	Schwarzbeck	FMZB 1513	1513-076	2019/07/11	2020/07/11
Test Software	Audix	e3	Ver. 9	N/A	N/A

<Conducted Test>

Test Date: 20-Jan-2020 ~ 19-Feb-2020

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	R&S	FSV40	101513	2019/2/8	2020/2/8
				2020/2/8	2021/2/8
Thermo Chamber	Giant Force	GHT-150-40-CP-SD	MAA1902-010	2019/2/1	2020/2/1
				2020/2/1	2021/2/1
Signal Generator	R&S	SMB100A03	181335	2020/1/18	2021/1/17
Power Meter	Anritsu	ML2495A	1901008	2019/4/29	2020/4/28
Power Sensor	Anritsu	MA2411B	1725269	2019/4/29	2020/4/28

<Mains Conducted Emission>

Test Date: 11-Feb-2020

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100797	2019/01/16	2020/02/16
Two-Line V-Network (for EUT)	Rohde & Schwarz	ENV216	101243	2019/06/23	2020/06/23
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	2020/2/8	2021/2/8
Impedance Stabilization Network	TESEQ	ISN T800	51949	2019/02/20	2020/02/20
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	0357.8810.54-102102-HN	2019/07/25	2020/07/25
Test Software	Audix	e3	Ver. 9	N/A	N/A

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 Earphones. 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	Earphones
Type Identification	EP-E50A
FCC ID	VHVEPE50A
IC	10565A-EPE50A
HVIN	EP-E50A

Table 5: Technical Specification of EUT

Technical Specification	Value
Operating Frequencies	2402~2480 MHz
Channel Spacing	1 MHz
Channel number	79
Operation Voltage	3.7 Vdc
Modulation	GFSK, $\pi/4$ DQPSK, 8 DPSK
Antenna gain	-0.3 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 V2.1+EDR 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

Basic operation modes are:

- A. Transmitting
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- B. Receiving
- C. Standby
- 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 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 7: Table for Parameters of Test Software Setting

Mode	Channel Frequency		
	2402 MHz	2441 MHz	2480 MHz
1-DH5	0,1,0	0,1,0	0,2,0
3-DH5	0,1,0	0,1,0	0,2,0

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:

Conducted: A001041513-004

Radiation: A001041513-003

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

Test Software	Bluesuite 3.2.3
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4.3 Special Accessories and Auxiliary Equipment

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

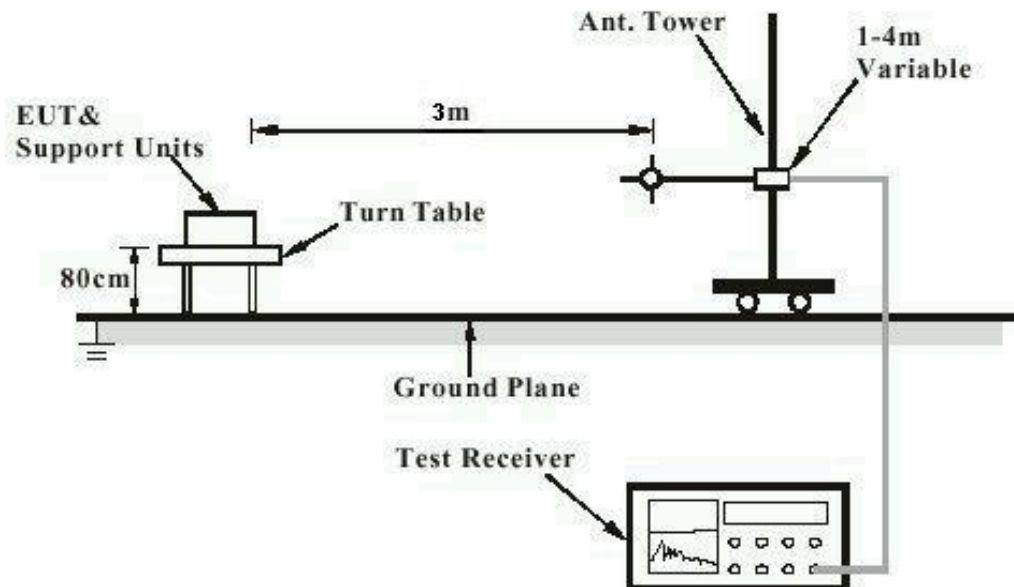
Description	Manufacturer	Model No.	Serial No.
Notebook(EMC-06)	Lenovo	TP00048A	PB-0F8B2

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 Mains Conduction Measurement

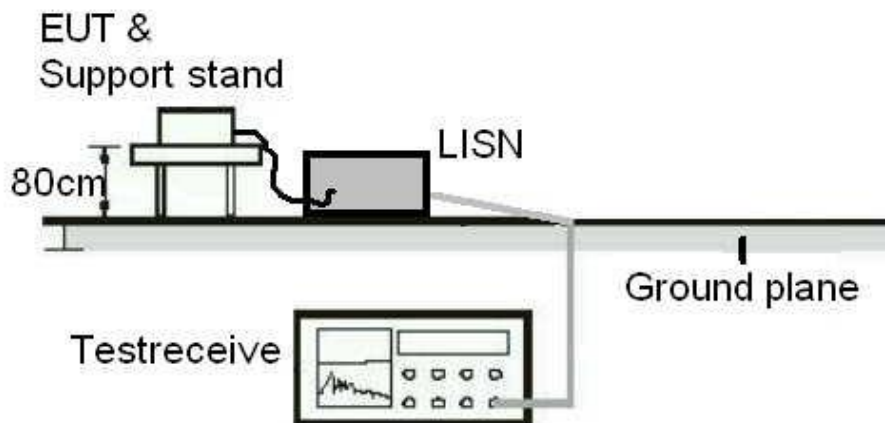
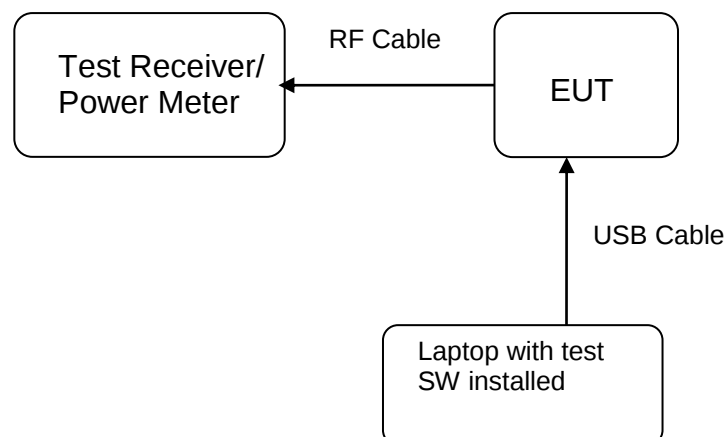


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



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

According to the manufacturer declaration, the EUT has an antenna with a directional gain of -0.3 dBi. The antenna is a chip antenna 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), ISSED RSS-247 5.4(b)
 Basic standard : ANSI C63.10:2013
 Limit : 1 Watt
 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 Peak Output Power 1-DH5

Channel	Channel Frequency (MHz)	Output Power		Average Output Power	Limit
		(dBm)	(W)	(W)	(W)
Low Channel	2402.0	9.23	0.00838	0.00826	1
Middle Channel	2441.0	9.25	0.00841	0.00822	1
High Channel	2480.0	9.54	0.00899	0.00887	1

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

Channel	Channel Frequency (MHz)	Output Power		Average Output Power	Limit
		(dBm)	(W)	(W)	(W)
Low Channel	2402.0	11.96	0.01570	0.00834	1
Middle Channel	2441.0	11.71	0.01483	0.00804	1
High Channel	2480.0	11.35	0.01365	0.00849	1

5.1.3 20dB Bandwidth and 99% Bandwidth

RESULT:
Passed

Test standard : FCC Part 15.247(a)(1), ISED RSS-247 5.1(a)
 Basic standard : ANSI C63.10:2013, ISED RSS-Gen
 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 10: Test result of 20dB Bandwidth 1-DH5

Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2402	952.10	>500	Pass
Mid Channel	2441	958.10	>500	Pass
High Channel	2480	958.10	>500	Pass

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

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	Limit (kHz)	Result
Low Channel	2402	1.299	>500	Pass
Mid Channel	2441	1.299	>500	Pass
High Channel	2480	1.299	>500	Pass

Table 12: Test result of 99% Bandwidth 1-DH5

Channel	Channel Frequency (MHz)	99% Bandwidth (kHz)
Low Channel	2402	898.20
Mid Channel	2441	880.24
High Channel	2480	880.24

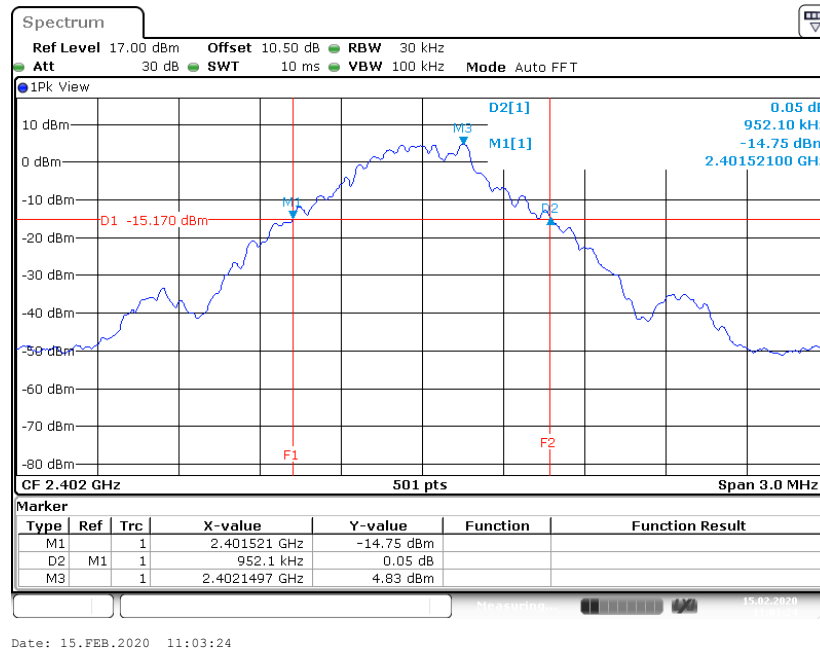
Table 13: Test result of 99% Bandwidth 3-DH5

Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
Low Channel	2402	1.287
Mid Channel	2441	1.281
High Channel	2480	1.281

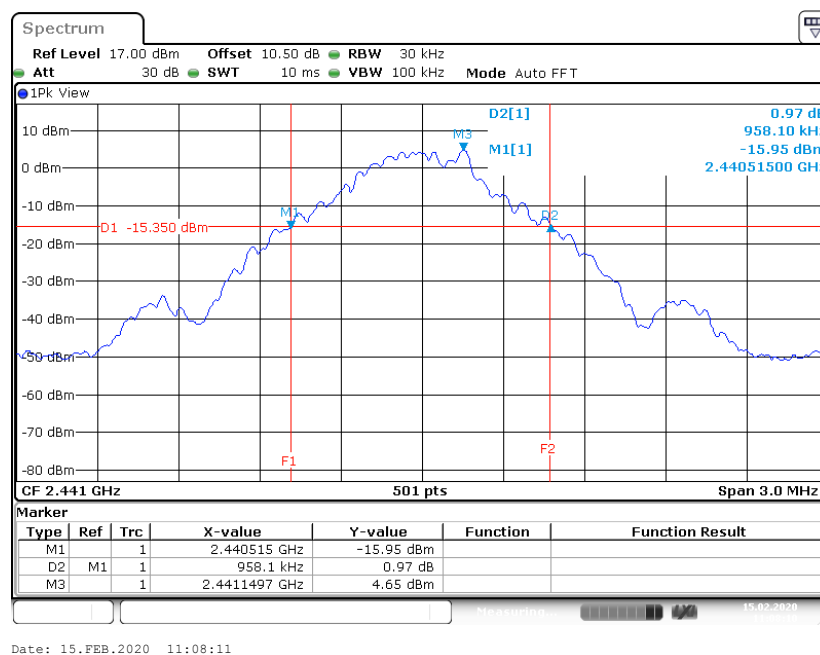
Test Plot of 20dB Bandwidth

1-DH5

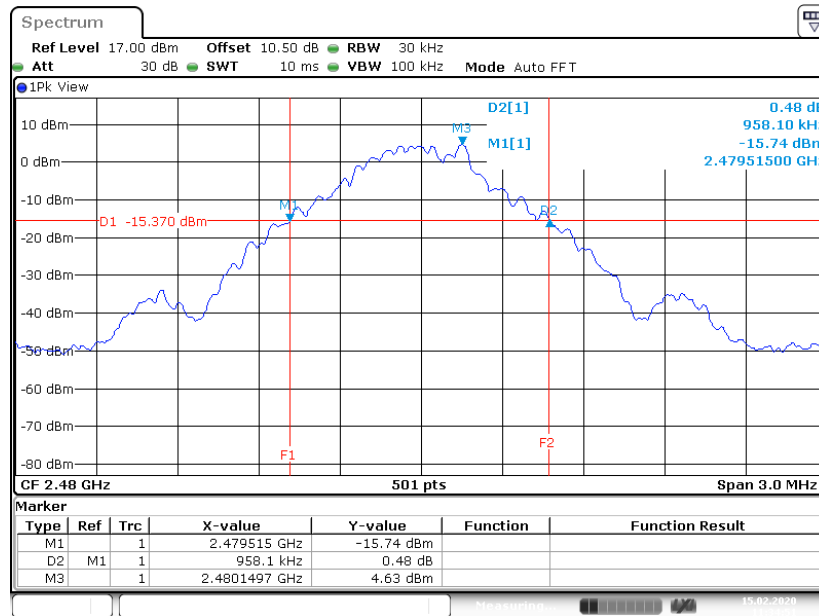
Low Channel



Middle Channel



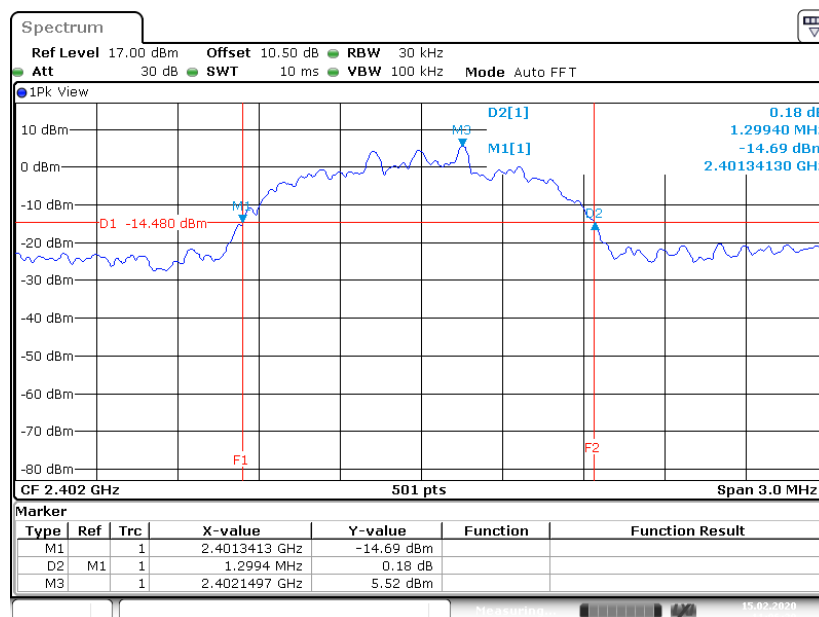
High Channel



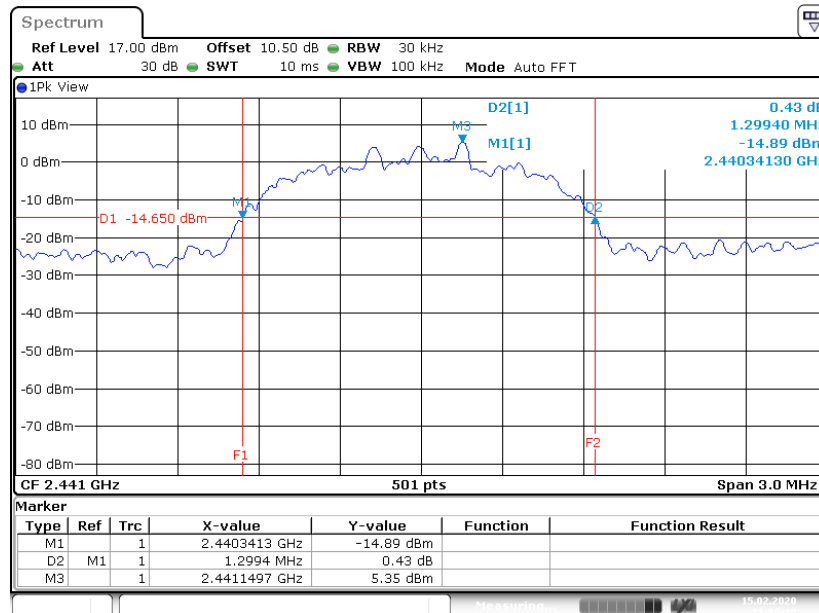
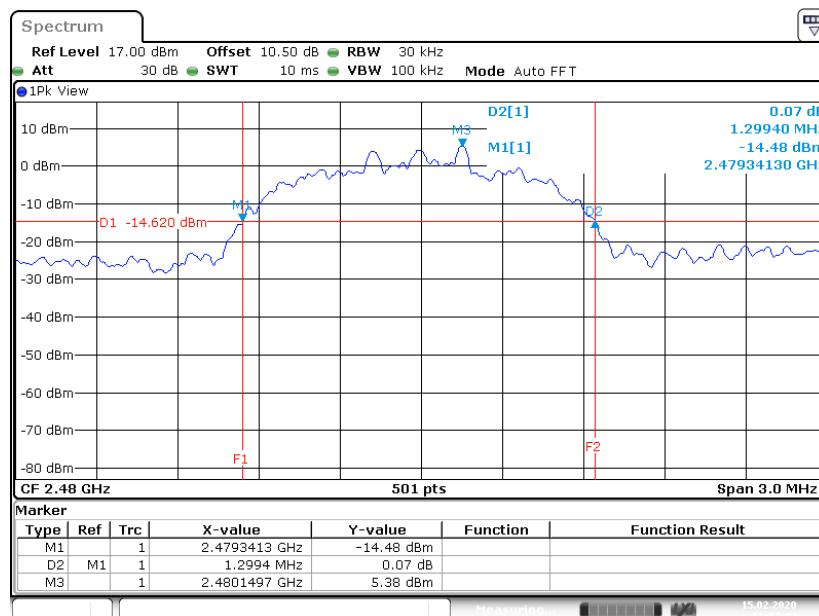
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3-DH5

Low Channel

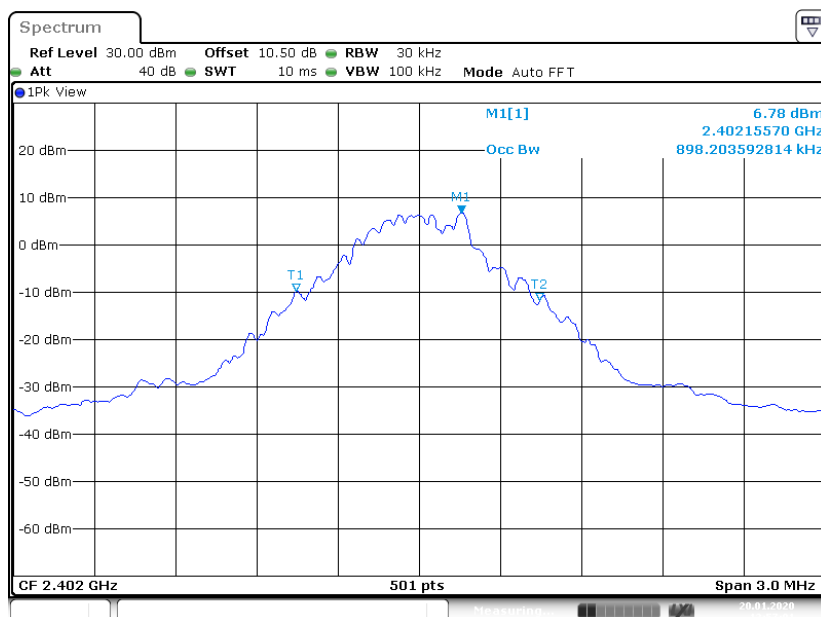


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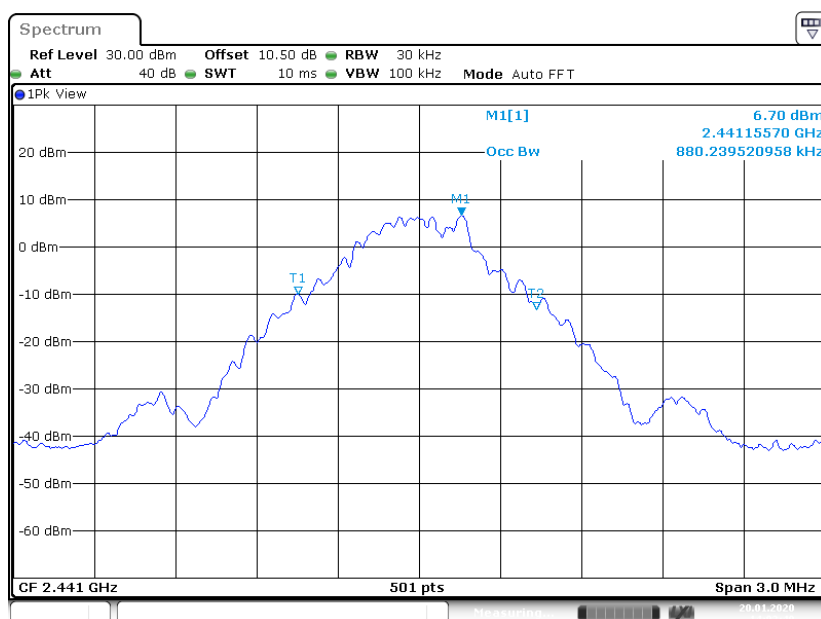
Middle Channel

High Channel


Test Plot of 99% Bandwidth 1-DH5

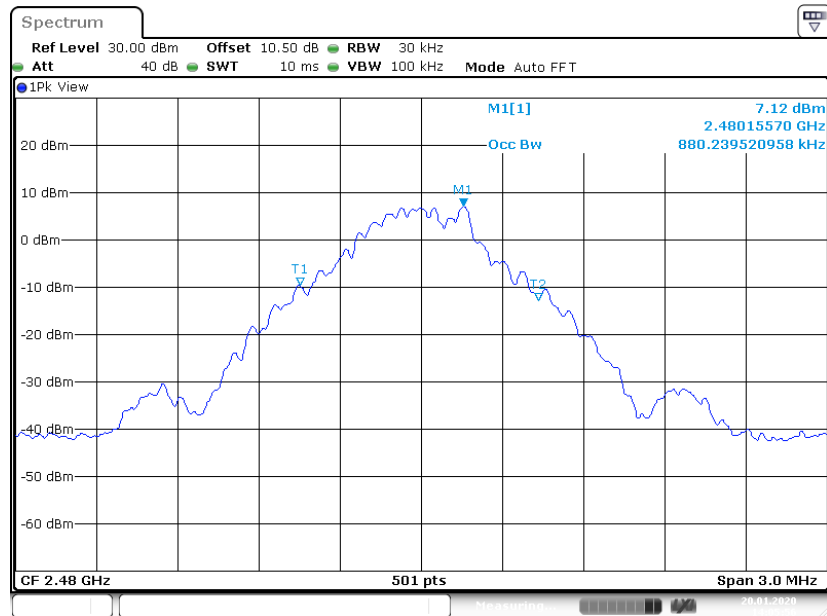
Low Channel



Middle Channel

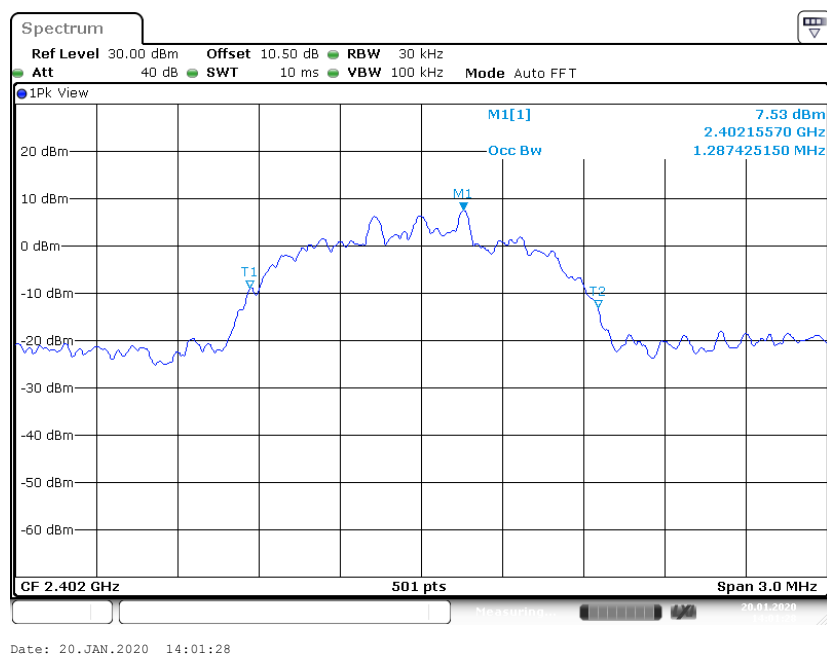


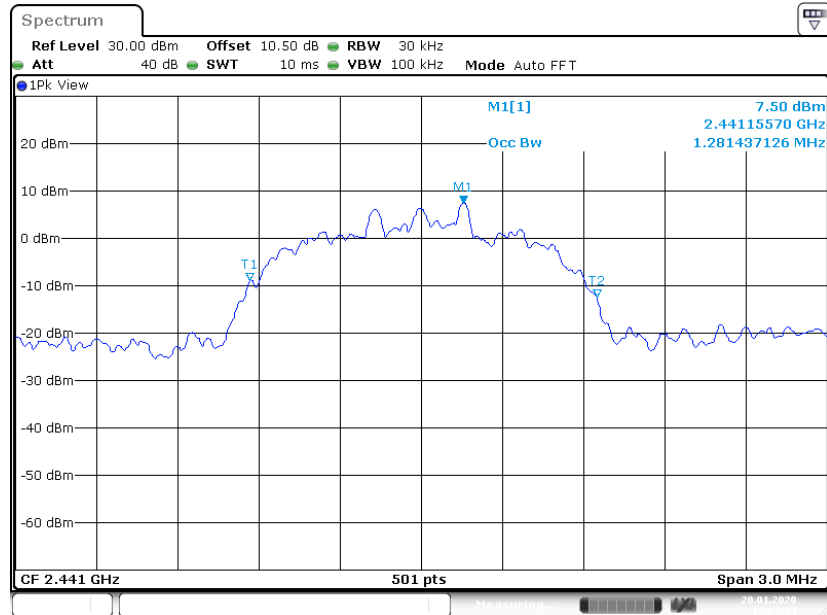
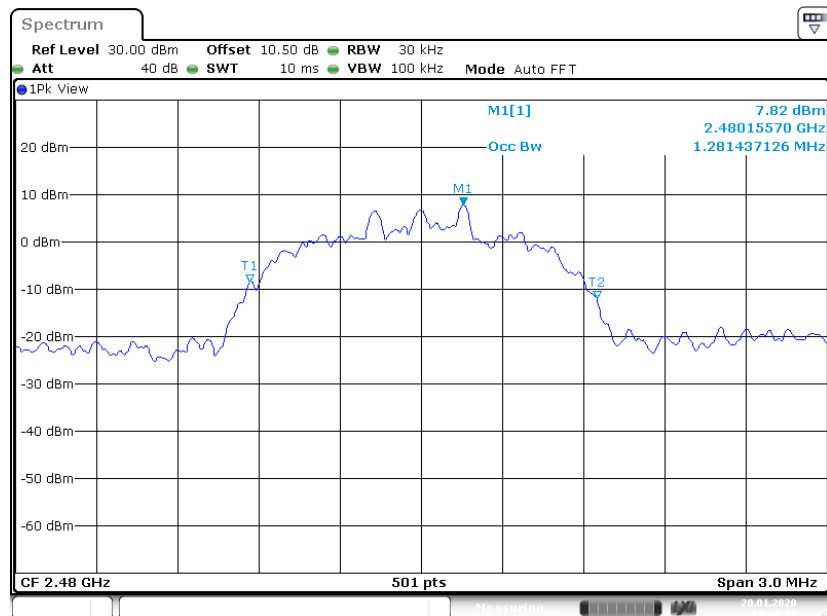
High Channel



3-DH5

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), ISED RSS-247 5.5
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

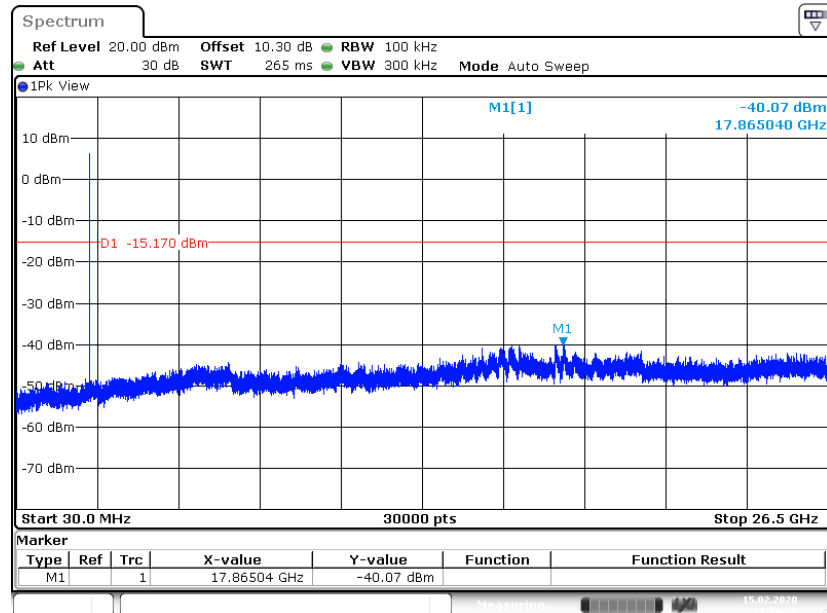
Test Channel	:	Low/ Middle/ High for Conducted Spurious Emissions Low/ High for Frequency Band Edge
Operation Mode	:	A
Ambient temperature	:	22-26°C
Relative humidity	:	50-65%
Atmospheric pressure	:	100-103 kPa

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.

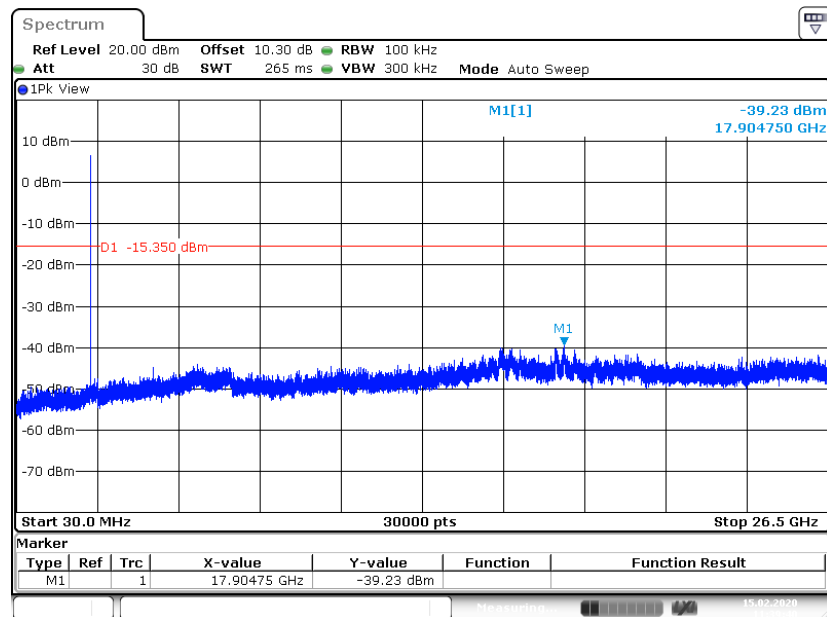
Test Plot 100kHz Conducted Emissions 1-DH5

Low Channel



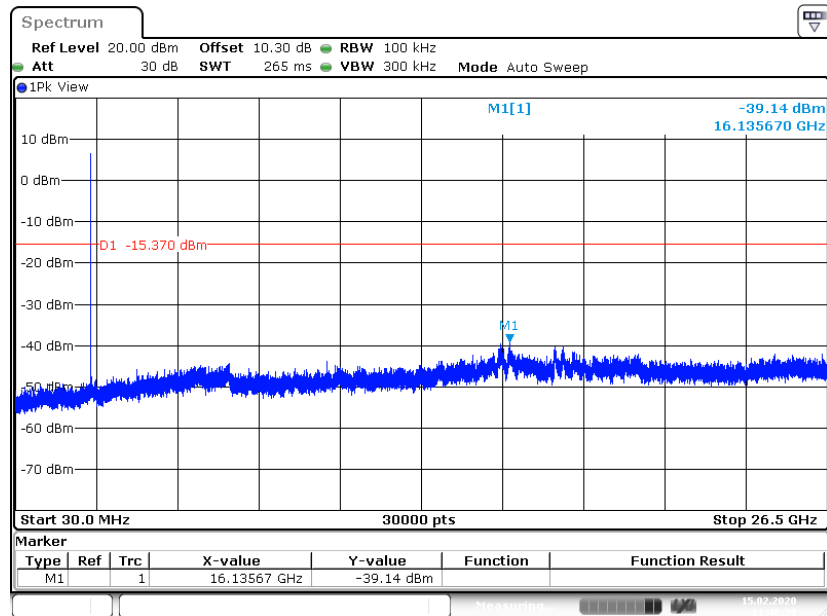
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Middle Channel



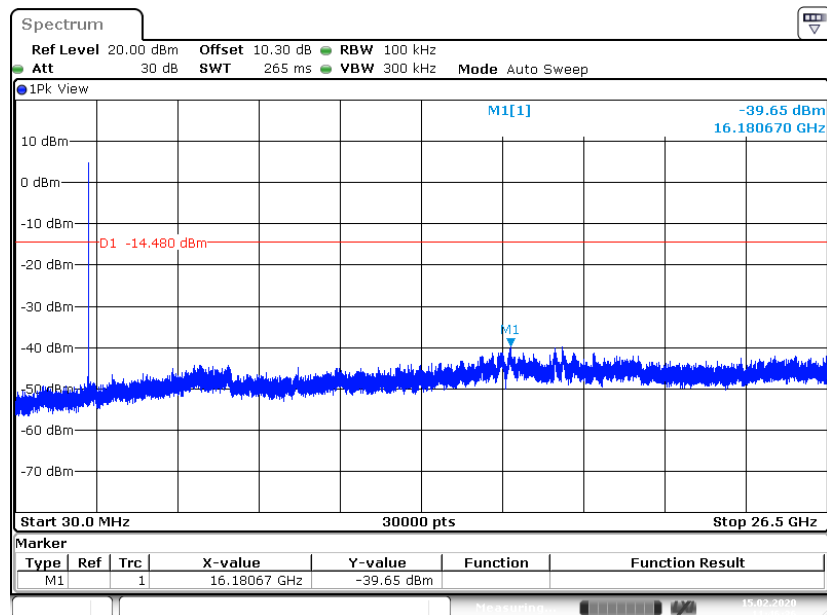
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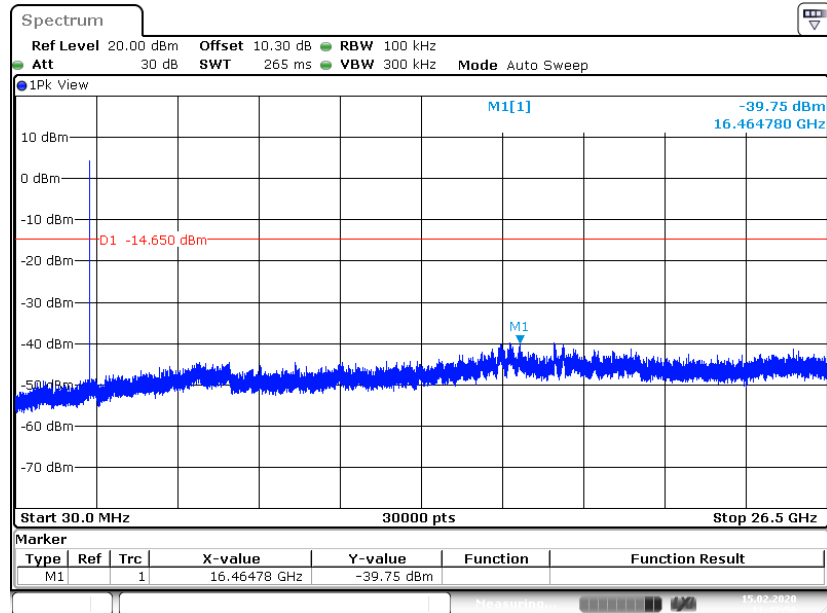
High Channel



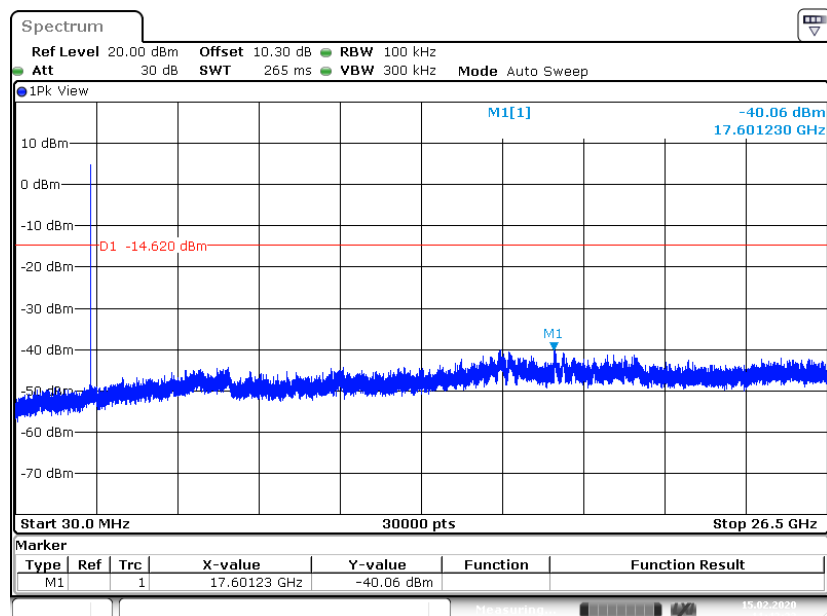
3-DH5

Low Channel



Middle Channel


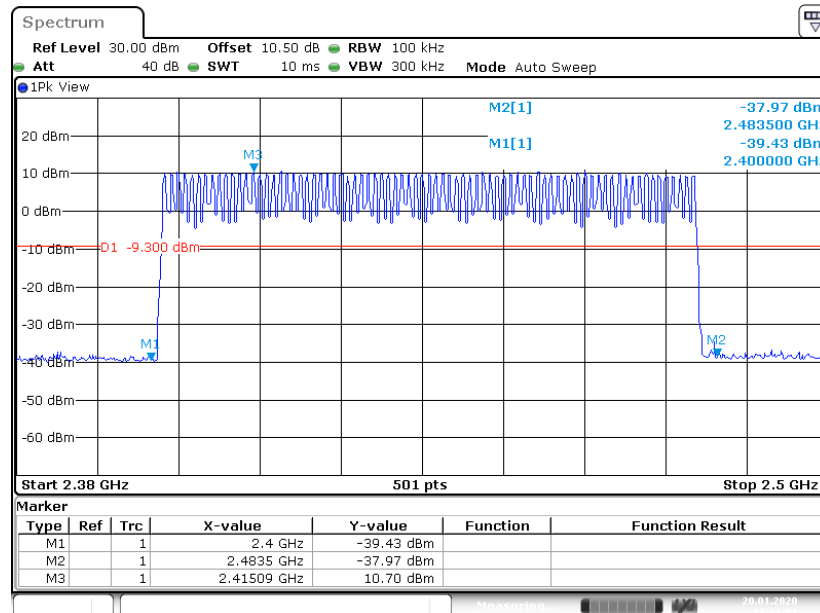
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High Channel


Date: 15.FEB.2020 11:42:24

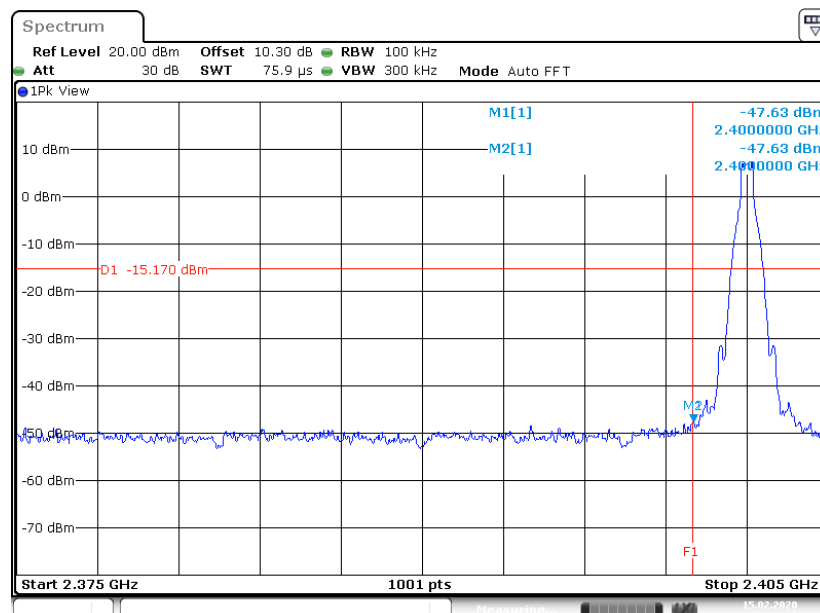
Test Plot 100kHz RBW of Band Edge 1-DH5

Hopping



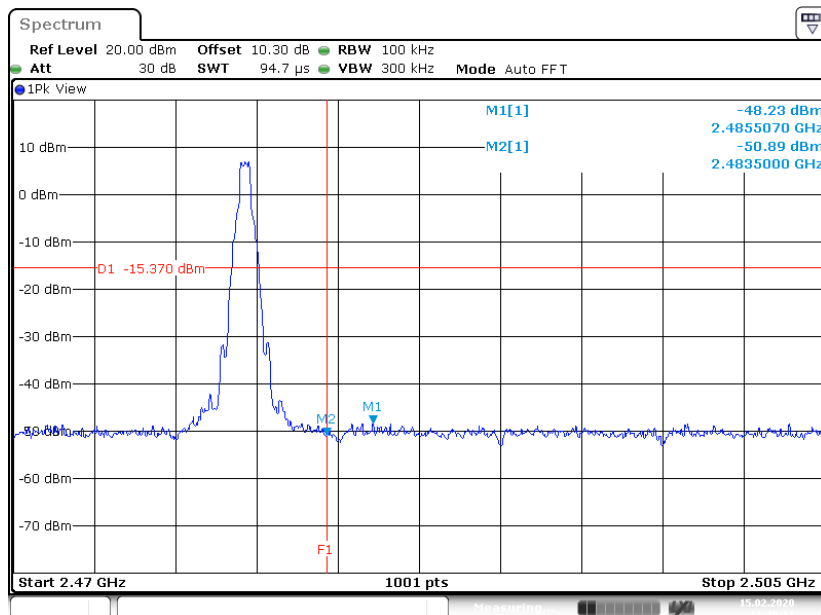
Date: 20.JAN.2020 13:27:01

Low Channel



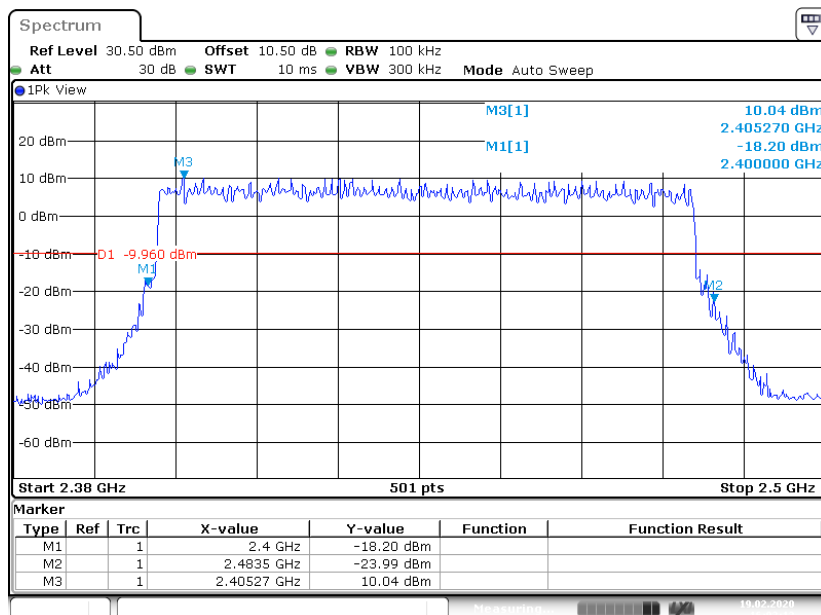
Date: 15.FEB.2020 11:38:50

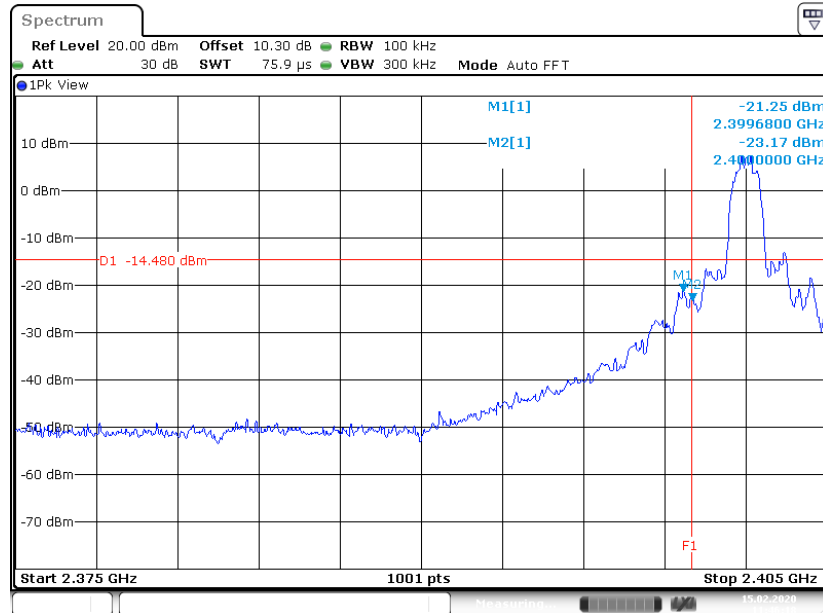
High Channel



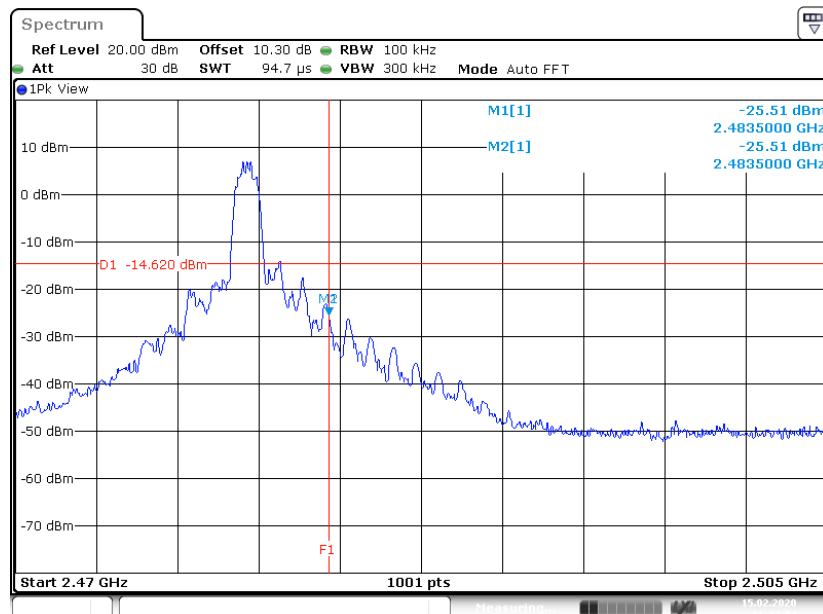
3-DH5

Hopping



Low Channel


Date: 15.FEB.2020 11:46:18

High Channel


Date: 15.FEB.2020 11:42:05

5.1.5 Spurious Emission

RESULT:**Passed**

Test standard	:	FCC part 15.247(d), FCC 15.205, FCC 15.209 ISED RSS-247 clause 3.3
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, B
Ambient temperature	:	22-26°C
Relative humidity	:	50-65 %
Atmospheric pressure	:	100-103 kPa

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), ISSED RSS-247 5.1(b)
 Basic standard : ANSI C63.10:2013
 Limits : $\geq 25\text{kHz}$ or $2/3$ of 20dB bandwidth, whichever is greater

Test setup

Test Channel : Hopping On
 Operation mode : C

Ambient temperature : 22-26°C
 Relative humidity : 50-65 %
 Atmospheric pressure : 100-103 kPa

Table 14: Test result of Frequency Separation, 1-DH5

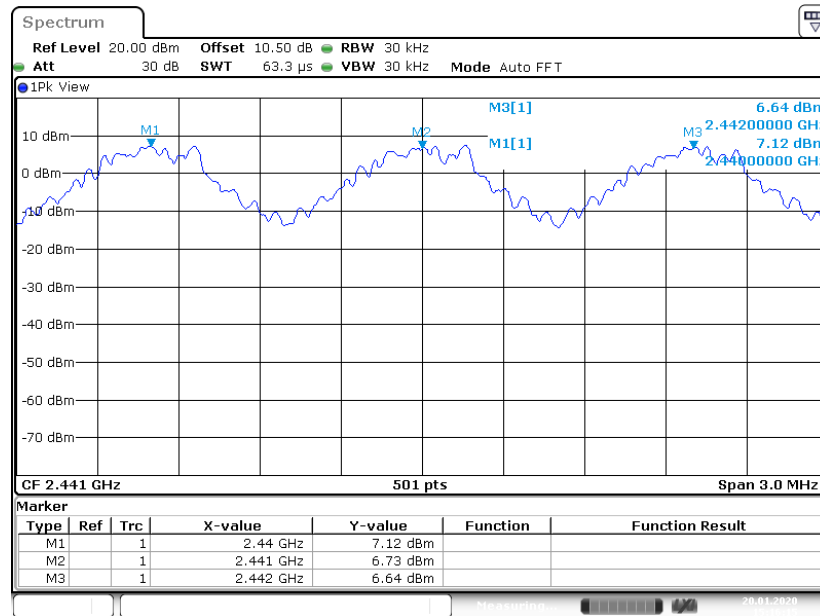
Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Record Channel	2441	1	$\geq 25\text{kHz}$ or $2/3$ of 20dB bandwidth	Pass
Record Channel adj 1	2440			
Record Channel adj 2	2442			

Table 15: Test result of Frequency Separation, 3-DH5

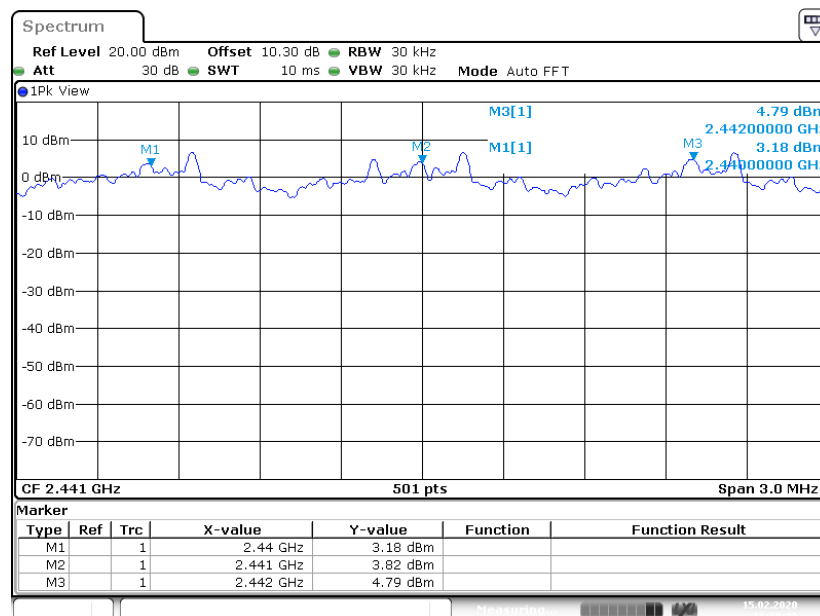
Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Record Channel	2441	1	$\geq 25\text{kHz}$ or $2/3$ of 20dB bandwidth	Pass
Record Channel adj 1	2440			
Record Channel adj 2	2442			

Test Plot of Frequency Separation

1-DH5



3-DH5



5.1.7 Number of hopping frequency

RESULT:**Passed**

Test standard : FCC part 15.247(a)(1)(iii), ISSED RSS-247 5.1(e)
Basic standard : ANSI C63.10:2013
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shield 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 16: Test result of Number of hopping frequency, 1-DH5

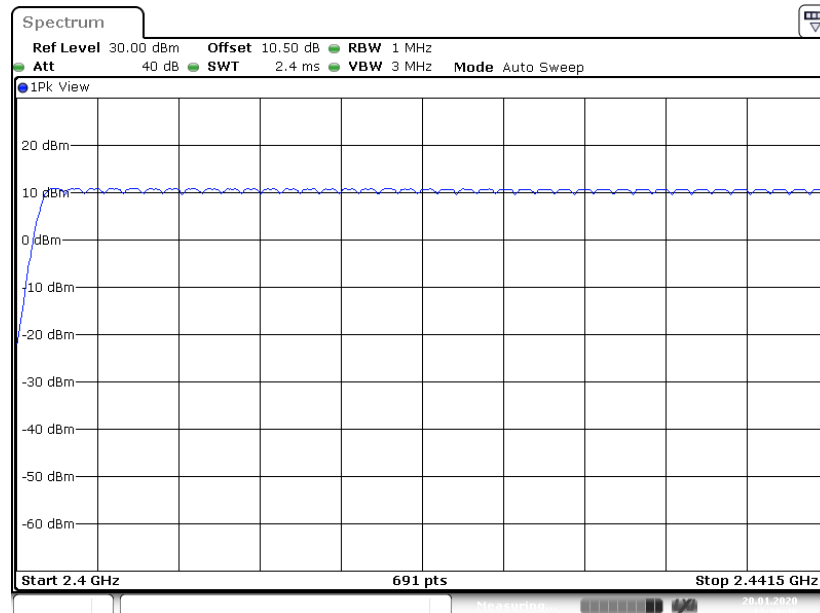
Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
<u>2402</u> to <u>2480</u> MHz	79	≥ 15	Pass

Table 17: Test result of Number of hopping frequency, 3-DH5

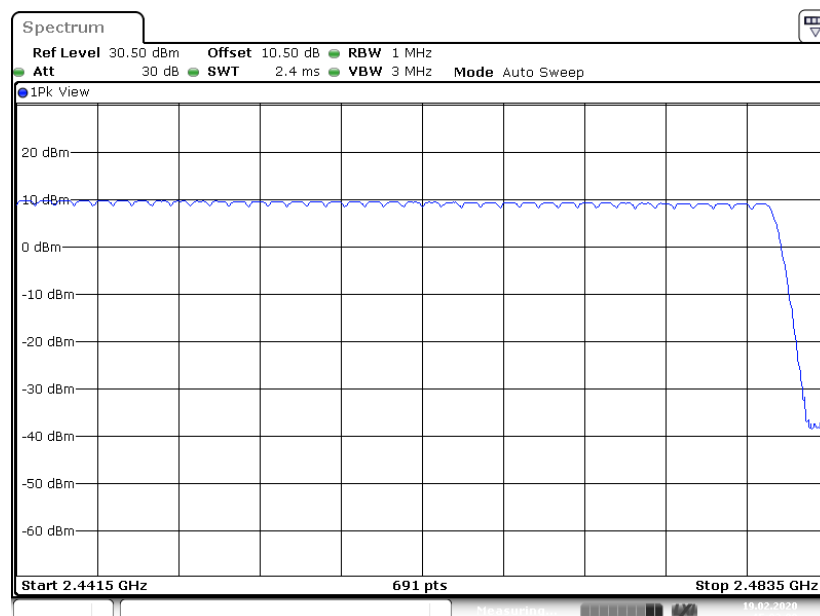
Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
<u>2402</u> to <u>2480</u> MHz	79	≥ 15	Pass

Test Plot of Number of hopping frequencies

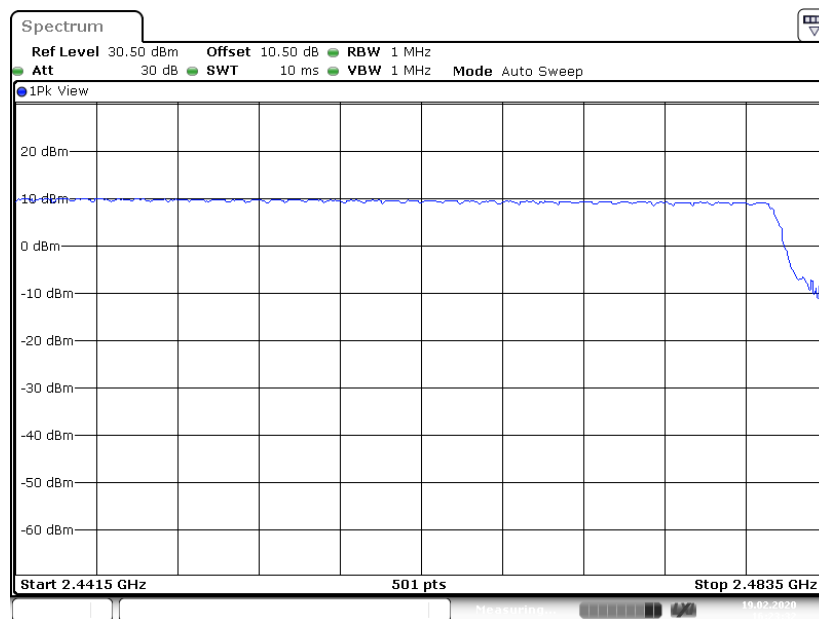
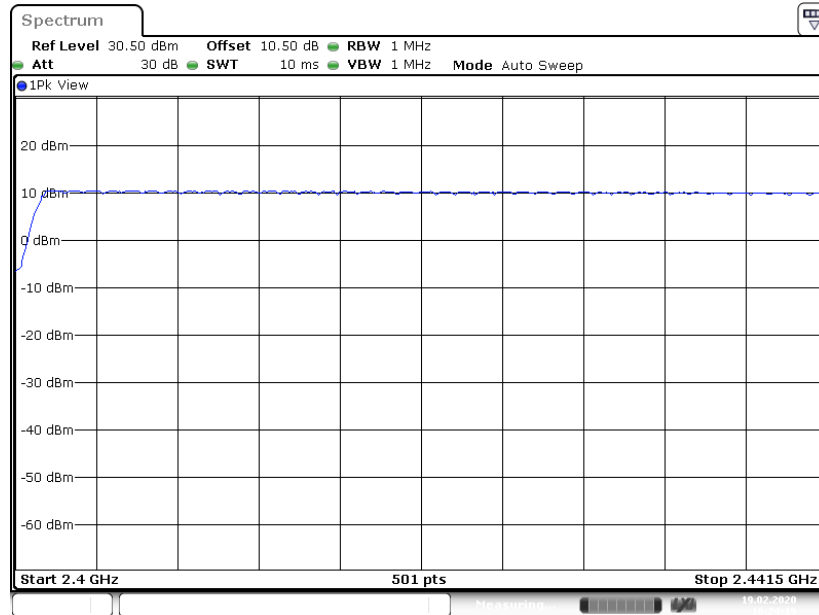
1-DH5



Date: 20.JAN.2020 13:30:46



Date: 19.FEB.2020 15:03:09

3-DH5


5.1.8 Time of Occupancy

RESULT:
Passed

Test standard : FCC part 15.247(a)(1)(iii), ISED RSS-247 5.1(e)
 Basic standard : ANSI C63.10:2013
 Limits : 0.4s
 Kind of test site : Conducted room

Test setup

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

Table 18: Test result of Time of Occupancy

Data Mode	Captured Burst (s)	Dwell time (s)	On+Off time (s)	Limit (s)	Result
1-DH5	0.002884	0.3553	0.007536	0.4	Pass
3-DH5	0.002898	0.3570	0.007536	0.4	Pass

Note:

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

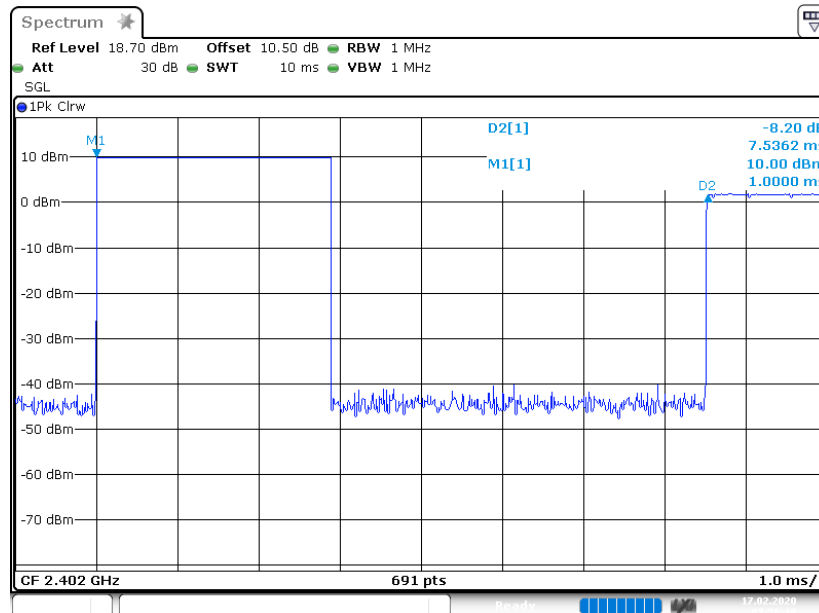
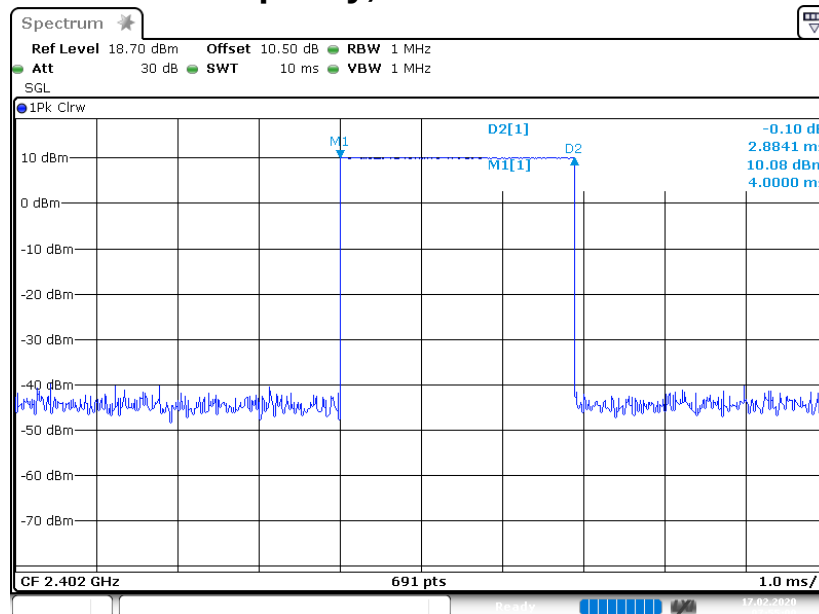
Period = 0.4 (seconds/ channel) x 79 (channel) = 31.6 seconds.

Hopping rate = 1 / (On+Off time)

Hopping rate for 1-DH5= 308 Hz

Hopping rate for 3-DH5= 133 Hz

Test Plot of Time of Occupancy, 1-DH5



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5.2 Mains Emissions

5.2.1 Mains Conducted Emissions

RESULT:**Passed**

Test standard	:	FCC Part 15.207 FCC Part 15.107 ISED RSS-Gen 8.8
Limits	:	Mains Conducted emissions as defined in above standards
Kind of test site	:	Shielded Room

Test setup

Test Channel	:	Middle
Operation mode	:	A

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 : FCC KDB Publication 447498 D01 v06

FCC:

Therefore the maximum output power of the transmitter is $8.87\text{mW} < 10\text{mW}$ (Distance: 5 mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

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