TEST REPORT

For

Mobile Phone

Model Number: RMX3370

FCC ID: 2AUYFRMX3370

Report Number : WT218002351

Test Laboratory : Shenzhen Academy of Metrology and Quality

Inspection

Site Location : NETC Building, No.4 Tongfa Rd., Xili, Nanshan,

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TEST REPORT DECLARATION

Applicant : Realme Chongqing Mobile Telecommunications Corp., Ltd.

Address : No.178 Yulong Avenue, Yufengshan, Yubei District,

Chongqing, China

Manufacturer : Realme Chongqing Mobile Telecommunications Corp., Ltd.

Address : No.178 Yulong Avenue, Yufengshan, Yubei District,

Chongqing, China

EUT Description : Mobile Phone

Model No. : RMX3370

Trade mark : realme

Serial Number : /

FCC ID : 2AUYFRMX3370

Test Standards:

FCC Part 15 Subpart C 15.247 (2020)

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

Project Engineer:

(Zhou Fangai 周芳媛)

Checked by:

(Shi Changda 施昌达)

Approved by:

(Lin Yixiang 林奕翔)

Date: Sep.30, 2021

Sep.30, 2021

Sep.30, 2021

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1. TEST RESULTS SUMMARY

Table 1 Test Results Summary

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Test Items	FCC Rules	Test Results			
20dB bandwidth measurement	15.247 (a) (1)	Pass			
Carrier frequency separation measurement	15.247 (a) (1)	Pass			
Number of hopping channel	15.247 (a) (1) III	Pass			
Time of occupancy	15.247 (a) (1) III	Pass			
Maximum conducted output power	15.247 (b) (1)	Pass			
Band edge compliance measurement	15.247 (d)	Pass			
Radiated spurious emission &Radiated restricted band measurement	15.247 (d) / 15.205 & 15.209	Pass			
Conducted spurious emission	15.247 (d)	Pass			
Conducted emission	15.207	Pass			
Antenna requirements	15.203	Pass			

Remark: "N/A" means "Not applicable."

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2. GENERAL INFORMATION

2.1. Report Information

This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.

The sample/s mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.

Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

The lab will not be liable for any loss or damage resulting for false, inaccurate, inappropriate or incomplete product information provided by the applicant/manufacturer.

2.2. Laboratory Accreditation and Relationship to Customer

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at NETC Building, No.4 Tongfa Rd., Xili, Nanshan, Shenzhen, China. At the time of testing, Laboratory is accredited by the following organizations:

China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.

The Laboratory is Accredited Testing Laboratory of FCC with Designation number CN1165 and Site registration number 582918.

The Laboratory is registered to perform emission tests with Innovation, Science and Economic Development (ISED), and the registration number is 11177A.

The Laboratory is registered to perform emission tests with VCCI, and the registration number are C-20048, G20076, R-20077, R-20078 and T-20047.

The Laboratory is Accredited Testing Laboratory of American Association for Laboratory Accreditation (A2LA) and certificate number is 3292.01.

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2.3. Measurement Uncertainty

Conducted Emission
9 kHz~150 kHz U=3.7dB k=2
150 kHz~30MHz U=3.3dB k=2

Radiated Emission 30MHz~1000MHz U=4.3dB k=2 1GHz~6GHz U=4.6 dB k=2 6GHz~40GHz U=5.1dB k=2

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3. PRODUCT DESCRIPTION

NOTE: The extreme test conditions for temperature and antenna gain were declared by the manufacturer.

3.1. EUT Description

Description : Mobile Phone

Manufacturer : Realme Chongqing Mobile Telecommunications Corp.,

Ltd.

Model Number : RMX3370

Operate Frequency : 2.402GHz~2.480GHz

Antenna Designation PIFA Antenna: Chain0:-3.5dBi, Chain1:-5dBi

Operating voltage : DC6.8V (Low)/DC7.74V (Nominal)/DC8.9V (Max)

Software Version : realme UI V2.0

Hardware Version : 11

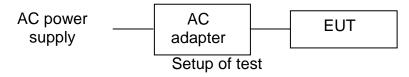
Remark: There are three adapters, only the worst data of VCA7JDUH (1#) shown in

this report.

3.2. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: **2AUYFRMX3370** filing to comply with Section 15.207, 15.209, 15.247 of the FCC Part 15, Subpart C.

3.3. Block Diagram of EUT Configuration



3.4. Operating Condition of EUT

The transmitter has a maximum peak conducted output power of Basic rate GFSK modulation and EDR mode 8DPSK modulation. Tests were performed with Basic rate GFSK modulation and EDR mode 8DPSK modulation.

3.5. Support Equipment List

Table 2 Support Equipment List

remote = cappett = quiptinett = iot							
Name	Model No.	S/N	Manufacturer				
Adapter 1# for EUT	VCA7JDUH		HUIZHOU GOLDEN LAKE INDUSTRIAL CO., LTD				
Adapter 2# for EUT	VCA7HAUH		SHENZHEN HUNTKEY ELECTRIC CO., LTD.				
Adapter 3# for EUT	VCA7JAUH		HUIZHOU GOLDEN LAKE INDUSTRIAL CO., LTD				
Rechargeable Li-Ion Polymer Battery for EUT	BLP887		Dongguan Nvt Technology Co., Ltd.				
USB Cable for EUT	DL129						

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3.6. Test Conditions

Date of test: Sep.07, 2021- Oct.11, 2021 Date of EUT Receive: Aug.12, 2021

Temperature: 20°C - 25°C Relative Humidity: 40%-55%

3.7. Special Accessories

Not available for this EUT intended for grant.

3.8. Equipment Modifications

Not available for this EUT intended for grant.

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4. TEST EQUIPMENT USED

Table 3 Test Equipment

No. Equipment Manufacturer Model No. Last Cal. Cal. Interval Interval SB9058/05 Test Receiver R&S ESCI 3 Sep.25,2020 1 Year SB958/05 Test Receiver R&S ESCI 3 Sep.24,2021 1 year SB4357 AMN R&S ENN216 Aug.25,2021 1 year SB9549 Shielded Room Albatross SR Sep.25,2020 1 year SB15044/01 Test Receiver R&S ESW8 Oct.09,2020 1 Year SB15044/01 Test Receiver R&S ESW8 Oct.09,2020 1 Year SB15044/01 Test Receiver R&S ESW8 Oct.09,2020 1 Year SB15944 Broadband Antenna R&S ESW8 Oct.09,2020 1 Year SB18844 Semi Anechoic Chamber Albatross 9×6×6(m) Mar.23,2021 1 Year SB13961 Horn Antenna R&S ESR26 Feb.05,2021 1 Year SB8501/96 Fully Anechoic Chamber SAEMC			Table 3 Test Equipment				
SB9058/05 Test Receiver R&S ESCI 3 Sep.24,2021 1 year SB4357 AMN R&S ENN216 Aug.25,2021 1 Year SB9549 Shielded Room Albatross SR Sep.25,2020 1 year SB15044/01 Test Receiver R&S ESW8 Oct.09,2020 1 Year SB15044/01 Test Receiver R&S ESW8 Oct.08,2021 1 Year SB15044/01 Test Receiver R&S ESW8 Oct.08,2021 1 Year SB12944 Broadband Antenna R&S VULB9163 Jan.08,2021 1 Year SB13946 Broadband Antenna R&S ESR26 Feb.05,2021 1 Year SB13961 Horn Antenna R&S HF907 Mar.23,2021 1 Year SB13964 Broadband Antenna R&S VULB 9163 Jan.05,2021 1 Year SB8501/09 Test Receiver R&S ESU40 Feb.05,2021 1 Year SB8501/10 Horn Antenna R&S SCU 18 Feb.05,2	No.	Equipment	Manufacturer	Model No.	Last Cal.		
SB4357 AMN R&S ENN216 Aug.25,2021 1 Year SB9549 Shielded Room Albatross SR Sep.25,2020 1 year SB9549 Shielded Room Albatross SR Sep.24,2021 1 year SB15044/01 Test Receiver R&S ESW8 Oct.09,2020 1 Year SB15044/01 Test Receiver R&S ESW8 Oct.09,2020 1 Year SB15044/01 Test Receiver R&S ESW8 Oct.09,2020 1 Year SB12944 Broadband Antenna R&S VULB9163 Jan.08,2021 1 Year SB18844 Semi Anechoic Chamber Albatross 9×6×6(m) Mar.23,2021 1 Year SB13956 Test Receiver R&S ESR26 Feb.05,2021 1 Year SB13961 Horn Antenna R&S VULB 9163 Jan.05,2021 1 Year SB9962 Fully Anechoic Chamber SAEMC 7.7*4.0*3.4(m) Jan.04,2021 1 Year SB9501/09 Test Receiver R&S ESU40<	SB9058/05	Test Receiver	R&S	ESCI 3	Sep.25,2020	1 Year	
SB9549 Shielded Room Albatross SR Sep.25,2020 1 year SB9549 Shielded Room Albatross SR Sep.24,2021 1 year SB15044/01 Test Receiver R&S ESW8 Oct.09,2020 1 Year SB15044/01 Test Receiver R&S ESW8 Oct.08,2021 1 Year SB12944 Broadband Antenna R&S VULB9163 Jan.08,2021 1 Year SB18844 Semi Anechoic Chamber Albatross 9×6×6(m) Mar.23,2021 1 Year SB13956 Test Receiver R&S ESR26 Feb.05,2021 1 Year SB13961 Horn Antenna R&S WULB 9163 Jan.05,2021 1 Year SB9962 Fully Anechoic Chamber SAEMC 7.7*4.0*3.4(m) Jan.04, 2021 1 Year SB8501/09 Test Receiver R&S ESU40 Feb.05,2021 1 Year SB8501/10 Horn Antenna R&S SCU 18 Feb.05,2021 1 Year SB8501/11 Horn Antenna R&S	SB9058/05	Test Receiver	R&S	ESCI 3	Sep.24,2021	1 year	
SB9549 Shielded Room Albatross SR Sep.24,2021 1 year SB15044/01 Test Receiver R&S ESW8 Oct.09,2020 1 Year SB15044/01 Test Receiver R&S ESW8 Oct.08,2021 1 Year SB12944 Broadband Antenna R&S VULB9163 Jan.08,2021 1 Year SB18844 Semi Anechoic Chamber Albatross 9×6×6(m) Mar.23,2021 1 Year SB13956 Test Receiver R&S ESR26 Feb.05,2021 1 Year SB13961 Horn Antenna R&S HF907 Mar.23,2021 1 Year SB13964 Broadband Antenna R&S VULB 9163 Jan.05,2021 1 Year SB9962 Fully Anechoic Chamber SAEMC 7.7*4.0*3.4(m) Jan.04, 2021 1 Year SB8501/09 Test Receiver R&S ESU40 Feb.05,2021 1 Year SB8501/10 Horn Antenna R&S SCU 18 Feb.05,2021 1 Year SB8501/11 Horn Antenna R&S	SB4357	AMN	R&S	ENN216	Aug.25,2021	1 Year	
SB15044/01 Test Receiver R&S ESW8 Oct.09,2020 1 Year SB15044/01 Test Receiver R&S ESW8 Oct.08,2021 1 Year SB12944 Broadband Antenna R&S VULB9163 Jan.08,2021 1 Year SB18844 Semi Anechoic Chamber Albatross 9×6×6(m) Mar.23,2021 1 Year SB13956 Test Receiver R&S ESR26 Feb.05,2021 1 Year SB13961 Horn Antenna R&S HF907 Mar.23,2021 1 Year SB13964 Broadband Antenna R&S VULB 9163 Jan.05,2021 1 Year SB9962 Fully Anechoic Chamber SAEMC 7.7*4.0*3.4(m) Jan.04, 2021 1 Year SB8501/09 Test Receiver R&S ESU40 Feb.05,2021 1 Year SB8501/10 Horn Antenna R&S SCU 18 Feb.05,2021 1 Year SB8501/11 Horn Antenna R&S 3160-09 Mar.10,2020 3 Years SB8501/12 Horn Antenna R&S	SB9549	Shielded Room	Albatross	SR	Sep.25,2020	1 year	
SB15044/01 Test Receiver R&S ESW8 Oct.08,2021 1 Year SB12944 Broadband Antenna R&S VULB9163 Jan.08,2021 1 Year SB18844 Semi Anechoic Chamber Albatross 9×6×6(m) Mar.23,2021 1 Year SB13956 Test Receiver R&S ESR26 Feb.05,2021 1 Year SB13961 Horn Antenna R&S HF907 Mar.23,2021 1 Year SB13964 Broadband Antenna R&S VULB 9163 Jan.05,2021 1 Year SB9962 Fully Anechoic Chamber SAEMC 7.7*4.0*3.4(m) Jan.04, 2021 1 Year SB8501/09 Test Receiver R&S ESU40 Feb.05,2021 1 Year SB8501/10 Horn Antenna R&S SCU 18 Feb.05,2021 1 Year SB8501/11 Horn Antenna R&S 3160-09 Mar.10,2020 3 Years SB8501/12 Horn Antenna R&S SCU-03 Feb.05,2021 1 Year SB8501/14 Pre-Amplifier R&S	SB9549	Shielded Room	Albatross	SR	Sep.24,2021	1 year	
SB12944 Broadband Antenna R&S VULB9163 Jan.08,2021 1 Year SB18844 Semi Anechoic Chamber Albatross 9×6×6(m) Mar.23,2021 1 Year SB13956 Test Receiver R&S ESR26 Feb.05,2021 1 Year SB13961 Horn Antenna R&S HF907 Mar.23,2021 1 Year SB13964 Broadband Antenna R&S VULB 9163 Jan.05,2021 1 Year SB9962 Fully Anechoic Chamber SAEMC 7.7*4.0*3.4(m) Jan.05,2021 1 Year SB8501/09 Test Receiver R&S ESU40 Feb.05,2021 1 Year SB8501/10 Horn Antenna R&S SCU 18 Feb.05,2021 1 Year SB8501/11 Horn Antenna R&S 3160-09 Mar.10,2020 3 Years SB8501/12 Horn Antenna R&S 3160-10 Mar.17,2020 3 Years SB8501/14 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S	SB15044/01	Test Receiver	R&S	ESW8	Oct.09,2020	1 Year	
SB18844 Semi Anechoic Chamber Albatross 9×6×6(m) Mar.23,2021 1 Year SB13956 Test Receiver R&S ESR26 Feb.05,2021 1 Year SB13961 Horn Antenna R&S HF907 Mar.23,2021 1 Year SB13964 Broadband Antenna R&S VULB 9163 Jan.05,2021 1 Year SB9962 Fully Anechoic Chamber SAEMC 7.7*4.0*3.4(m) Jan.04, 2021 1 Year SB8501/09 Test Receiver R&S ESU40 Feb.05,2021 1 Year SB9058/03 Pre-Amplifier R&S SCU 18 Feb.05,2021 1 Year SB8501/10 Horn Antenna R&S 3160-09 Mar.10,2020 3 Years SB8501/11 Horn Antenna R&S 3160-10 Mar.17,2020 3 Years SB8501/12 Horn Antenna R&S SCU-03 Feb.05,2021 1 Year SB8501/14 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S	SB15044/01	Test Receiver	R&S	ESW8	Oct.08,2021	1 Year	
SB13956 Test Receiver R&S ESR26 Feb.05,2021 1 Year SB13961 Horn Antenna R&S HF907 Mar.23,2021 1 Year SB13964 Broadband Antenna R&S VULB 9163 Jan.05,2021 1 Year SB9962 Fully Anechoic Chamber SAEMC 7.7*4.0*3.4(m) Jan.04, 2021 1 Year SB8501/09 Test Receiver R&S ESU40 Feb.05,2021 1 Year SB9058/03 Pre-Amplifier R&S SCU 18 Feb.05,2021 1 Year SB8501/10 Horn Antenna R&S 3160-09 Mar.10,2020 3 Years SB8501/11 Horn Antenna R&S 3160-10 Mar.17,2020 3 Years SB8501/12 Horn Antenna R&S 3160-10 Mar.10,2020 3 Years SB8501/13 Horn Antenna R&S SCU-03 Feb.05,2021 1 Year SB8501/15 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S SCU	SB12944	Broadband Antenna	R&S	VULB9163	Jan.08,2021	1 Year	
SB13961 Horn Antenna R&S HF907 Mar.23,2021 1 Year SB13964 Broadband Antenna R&S VULB 9163 Jan.05,2021 1 Year SB9962 Fully Anechoic Chamber SAEMC 7.7*4.0*3.4(m) Jan.04, 2021 1 Year SB8501/09 Test Receiver R&S ESU40 Feb.05,2021 1 Year SB9058/03 Pre-Amplifier R&S SCU 18 Feb.05,2021 1 Year SB8501/10 Horn Antenna R&S 3160-09 Mar.10,2020 3 Years SB8501/11 Horn Antenna R&S 3160-10 Mar.17,2020 3 Years SB8501/12 Horn Antenna R&S 3160-10 Mar.10,2020 3 Years SB8501/13 Horn Antenna R&S SCU-03 Feb.05,2021 1 Year SB8501/15 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB8501/17 Pre-Amplifier R&S	SB18844	Semi Anechoic Chamber	Albatross	9×6×6(m)	Mar.23,2021	1 Year	
SB13964 Broadband Antenna R&S VULB 9163 Jan.05,2021 1 Year SB9962 Fully Anechoic Chamber SAEMC 7.7*4.0*3.4(m) Jan.04, 2021 1 Year SB8501/09 Test Receiver R&S ESU40 Feb.05,2021 1 Year SB9058/03 Pre-Amplifier R&S SCU 18 Feb.05,2021 1 Year SB8501/10 Horn Antenna R&S 3160-09 Mar.10,2020 3 Years SB8501/11 Horn Antenna R&S 3160-10 Mar.17,2020 3 Years SB8501/12 Horn Antenna R&S 3160-10 Mar.10,2020 3 Years SB8501/13 Horn Antenna R&S SCU-03 Feb.05,2021 1 Year SB8501/14 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/15 Pre-Amplifier R&S SCU-26 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB8501/17 Pre-Amplifier R&S	SB13956	Test Receiver	R&S	ESR26	Feb.05,2021	1 Year	
SB9962 Fully Anechoic Chamber SAEMC 7.7*4.0*3.4(m) Jan.04, 2021 1 Year SB8501/09 Test Receiver R&S ESU40 Feb.05,2021 1 Year SB9058/03 Pre-Amplifier R&S SCU 18 Feb.05,2021 1 Year SB8501/10 Horn Antenna R&S 3160-09 Mar.10,2020 3 Years SB8501/11 Horn Antenna R&S 3160-10 Mar.17,2020 3 Years SB8501/12 Horn Antenna R&S 3160-10 Mar.17,2020 3 Years SB8501/13 Horn Antenna R&S SCU-03 Feb.05,2021 1 Year SB8501/14 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/15 Pre-Amplifier R&S SCU 26 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB8501/17 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB9555/02 Fully Anechoic Chamber Albatross <td>SB13961</td> <td>Horn Antenna</td> <td>R&S</td> <td>HF907</td> <td>Mar.23,2021</td> <td>1 Year</td>	SB13961	Horn Antenna	R&S	HF907	Mar.23,2021	1 Year	
SB8501/09 Test Receiver R&S ESU40 Feb.05,2021 1 Year SB9058/03 Pre-Amplifier R&S SCU 18 Feb.05,2021 1 Year SB8501/10 Horn Antenna R&S 3160-09 Mar.10,2020 3 Years SB8501/11 Horn Antenna R&S 3160-09 Mar.09,2020 3 Years SB8501/12 Horn Antenna R&S 3160-10 Mar.17,2020 3 Years SB8501/13 Horn Antenna R&S 3160-10 Mar.10,2020 3 Years SB8501/14 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/15 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S SCU-26 Feb.05,2021 1 Year SB8501/17 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB9555/02 Fully Anechoic Chamber Albatross 10.0×5.2× 5.4(m) Aug.25,2021 1 Year	SB13964	Broadband Antenna	R&S	VULB 9163	Jan.05,2021	1 Year	
SB9058/03 Pre-Amplifier R&S SCU 18 Feb.05,2021 1 Year SB8501/10 Horn Antenna R&S 3160-09 Mar.10,2020 3 Years SB8501/11 Horn Antenna R&S 3160-09 Mar.09,2020 3 Years SB8501/12 Horn Antenna R&S 3160-10 Mar.17,2020 3 Years SB8501/13 Horn Antenna R&S 3160-10 Mar.10,2020 3 Years SB8501/14 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/15 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S SCU 26 Feb.05,2021 1 Year SB8501/17 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB9555/02 Fully Anechoic Chamber Albatross 10.0×5.2× 5.4(m) Aug.25,2021 1 Year	SB9962	Fully Anechoic Chamber	SAEMC	7.7*4.0*3.4(m)	Jan.04, 2021	1 Year	
SB8501/10 Horn Antenna R&S 3160-09 Mar.10,2020 3 Years SB8501/11 Horn Antenna R&S 3160-09 Mar.09,2020 3 Years SB8501/12 Horn Antenna R&S 3160-10 Mar.17,2020 3 Years SB8501/13 Horn Antenna R&S 3160-10 Mar.10,2020 3 Years SB8501/14 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/15 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S SCU 26 Feb.05,2021 1 Year SB8501/17 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB9555/02 Fully Anechoic Chamber Albatross 10.0×5.2× 5.4(m) Aug.25,2021 1 Year	SB8501/09	Test Receiver	R&S	ESU40	Feb.05,2021	1 Year	
SB8501/11 Horn Antenna R&S 3160-09 Mar.09,2020 3 Years SB8501/12 Horn Antenna R&S 3160-10 Mar.17,2020 3 Years SB8501/13 Horn Antenna R&S 3160-10 Mar.10,2020 3 Years SB8501/14 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/15 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S SCU 26 Feb.05,2021 1 Year SB8501/17 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB9555/02 Fully Anechoic Chamber Albatross 10.0×5.2× 5.4(m) Aug.25,2021 1 Year	SB9058/03	Pre-Amplifier	R&S	SCU 18	Feb.05,2021	1 Year	
SB8501/12 Horn Antenna R&S 3160-10 Mar.17,2020 3 Years SB8501/13 Horn Antenna R&S 3160-10 Mar.10,2020 3 Years SB8501/14 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/15 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S SCU 26 Feb.05,2021 1 Year SB8501/17 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB9555/02 Fully Anechoic Chamber Albatross 10.0×5.2× 5.4(m) Aug.25,2021 1 Year	SB8501/10	Horn Antenna	R&S	3160-09	Mar.10,2020	3 Years	
SB8501/13 Horn Antenna R&S 3160-10 Mar.10,2020 3 Years SB8501/14 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/15 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S SCU 26 Feb.05,2021 1 Year SB8501/17 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB9555/02 Fully Anechoic Chamber Albatross 10.0×5.2× 5.4(m) Aug.25,2021 1 Year	SB8501/11	Horn Antenna	R&S	3160-09	Mar.09,2020	3 Years	
SB8501/14 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/15 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S SCU 26 Feb.05,2021 1 Year SB8501/17 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB9555/02 Fully Anechoic Chamber Albatross 10.0×5.2× 5.4(m) Aug.25,2021 1 Year	SB8501/12	Horn Antenna	R&S	3160-10	Mar.17,2020	3 Years	
SB8501/15 Pre-Amplifier R&S SCU-03 Feb.05,2021 1 Year SB8501/16 Pre-Amplifier R&S SCU 26 Feb.05,2021 1 Year SB8501/17 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB9555/02 Fully Anechoic Chamber Albatross 10.0×5.2× 5.4(m) Aug.25,2021 1 Year	SB8501/13	Horn Antenna	R&S	3160-10	Mar.10,2020	3 Years	
SB8501/16 Pre-Amplifier R&S SCU 26 Feb.05,2021 1 Year SB8501/17 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB9555/02 Fully Anechoic Chamber Albatross 10.0×5.2× 5.4(m) Aug.25,2021 1 Year	SB8501/14	Pre-Amplifier	R&S	SCU-03	Feb.05,2021	1 Year	
SB8501/17 Pre-Amplifier R&S SCU-18 Feb.05,2021 1 Year SB9555/02 Fully Anechoic Chamber Albatross 10.0×5.2× 5.4(m) Aug.25,2021 1 Year	SB8501/15	Pre-Amplifier	R&S	SCU-03	Feb.05,2021	1 Year	
SB9555/02 Fully Anechoic Chamber Albatross 10.0×5.2× 5.4(m) Aug.25,2021 1 Year	SB8501/16	Pre-Amplifier	R&S	SCU 26	Feb.05,2021	1 Year	
SB9555/02 Fully Anechoic Chamber Albatross Aug.25,2021 1 Year 5.4(m)	SB8501/17	Pre-Amplifier	R&S	SCU-18	Feb.05,2021	1 Year	
CD7044/00 Cnostrum Angly 707 DSC FCLICE May 47 2004 4 Vac-	SB9555/02	Fully Anechoic Chamber	Albatross		Aug.25,2021	1 Year	
S67941/02 Spectrum Analyzer K&S F5026 May.17, 2021 1 Year	SB7941/02	Spectrum Analyzer	R&S	FSU26	May.17, 2021	1 Year	

Table 4 Test software

Name	Manufacturer	Version
Bluetooth and WiFi Test System	Shenzhen JS tonscend co.,ltd	2.6.88.0330

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5. CONDUCTED EMISSION TEST

5.1. Test Standard and Limit

5.1.1.Test Standard

FCC Part 15 15.207

5.1.2.Test Limit

Table 5 Conducted Emission Test Limit

Frequency	Maximum RF Line Voltage (dBμV)				
requericy	Quasi-peak Level	Average Level			
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *			
500kHz~5MHz	56	46			
5MHz~30MHz	60	50			

^{*} Decreasing linearly with logarithm of the frequency

5.2. Test Procedure

The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI test receiver is used to test the emissions from both sides of AC line.

Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

The bandwidth of EMI test receiver is set at 9 kHz.

5.3. Test Arrangement

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application. The detailed information refers to test picture.

5.4. Test Data

The emissions don't show in below are too low against the limits. Refer to the test curves.

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^{*} The lower limit shall apply at the transition frequency.

Table 6 Conducted Emission Test Data

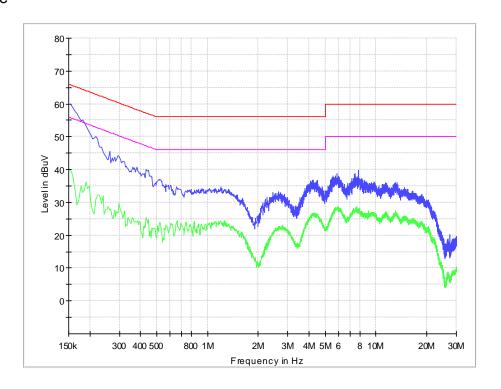
Test mode	Test mode: Charging and Transmitting									
	Frequency	Correction		Quasi-Peak		Average				
	(MHz)	Factor (dB)	Reading (dBμV)	Emission Level (dB _µ V)	Limit (dΒμV)	Reading (dBμV)	Emission Level (dB _µ V)	Limit (dBμV)		
	0.150	9.7	47.5	57.2	66	30.4	40.1	56		
	0.179	9.7	41.6	51.3	64.5	25.7	35.4	54.5		
1 :	0.217	9.7	39.2	48.9	62.9	22.4	32.1	52.9		
Line	4.200	9.9	25.8	35.7	56	16.6	26.5	46		
	5.986	10.0	26.4	36.4	60	18.7	28.7	50		
	7.885	10.0	27.3	37.3	60	18.2	28.2	50		
	0.150	9.7	47.6	57.3	66	21.7	31.4	56		
	0.177	9.7	42.0	51.7	64.6	16.1	25.8	54.6		
Mandaal	0.231	9.7	34.6	44.3	62.4	17.2	26.9	52.4		
Neutral	0.361	9.7	26.2	35.9	58.7	16.7	26.4	48.7		
	1.288	9.8	24.7	34.5	56	14.4	24.2	46		
	13.492	9.9	25.6	35.5	60	19.4	29.3	50		

REMARKS: 1. Emission level (dB μ V) =Read Value (dB μ V) + Correction Factor (dB)

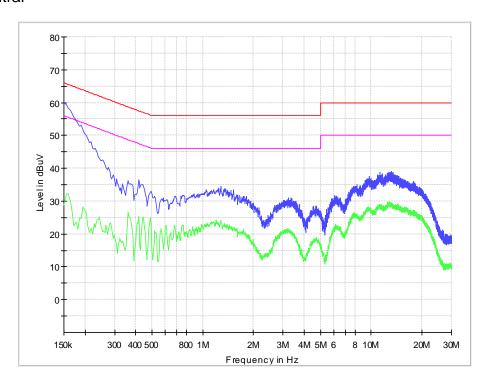
- 2. Correction Factor (dB) =LISN Factor (dB) + Cable Factor (dB) +Limiter Factor (dB)
- 3. The other emission levels were very low against the limit.

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Line



Neutral



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6. RADIATED EMISSION TEST

6.1. Test Standard and Limit

6.1.1.Test Standard FCC Part 15 15.209

6.1.2.Test Limit

Table 7 Radiation Emission Test Limit for FCC (Class B) (9 kHz-1GHz)

, ,	, , \
Field Strength	Measurement Distance
(microvolts/meter)	(meters)
2400/F(KHz)	300
24000/F(KHz)	30
30	30
100	3
150	3
200	3
500	3
	(microvolts/meter) 2400/F(KHz) 24000/F(KHz) 30 100 150 200

Table 8 Radiation Emission Test Limit for FCC (Class B) (Above 1G)

Fraguency (MHz)	(dBuV/m) (at 3 meters)		
Frequency (MHz)	PEAK	AVERAGE	
Above 1000	74	54	

^{*} The lower limit shall apply at the transition frequency.

* The test distance is 3m.

6.2. Test Procedure

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10-2013.The EUT is set to transmit in a continuous mode. Radiated measurements were performed on the frequency range from 30MHz to 25GHz. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz, VBW≥RBW. All readings above 1 GHz are AV and

PK values. RBW=1MHz and 1/T (10Hz) for AV value, RBW=1MHz and VBW≥RBW for peak value. Measurements were made at 3 meters.

6.3. Test Arrangement

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application. The detailed information refers to test picture.

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6.4. Test Data

The emissions don't show in following result tables are more than 20dB below the limits. Bluetooth basic rate and Bluetooth EDR mode were tested, below only shows worst case result of Bluetooth basic rate.

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

9 kHz-30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

Table 9 Radiated Emission Test Data 9k Hz-30MHz

Frequency (MHz)	Cable Loss +preamp (dB)	Antenna Factor (dB)	Reading (dBµV/m)	Level (dBµV/m)	Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Note

30MHz-1GHz

Worst case is shown below for 30MHz-1GHz only.

The emissions don't show in following result tables are more than 20dB below the limits.

Table 10 Radiated Emission Test Data 30MHz-1GHz

Frequency (MHz)	Cable Loss +preamp (dB)	Antenna Factor (dB)	Reading (dBµV/m)	Level (dBµV/m)	Polarity (Horizontal/ Vertical)	Limit (dBµV/m)	Margin (dB)	Note
35.335	0.6	12.3	20.6	33.5	Vertical	40	6.5	QP
36.547	0.6	12.3	20.7	33.6	Vertical	40	6.4	QP
39.821	0.6	12.3	17.8	30.7	Vertical	40	9.3	QP
59.706	0.9	13.0	10.2	24.1	Vertical	40	15.9	QP
86.502	1.1	10.3	20.2	31.6	Vertical	40	8.4	QP
90.746	1.2	11.9	17.2	30.3	Vertical	43.5	13.2	QP
34.607	0.6	12.3	3.3	16.2	Horizontal	40	23.8	QP
78.015	1.1	7.8	8.4	17.3	Horizontal	40	22.7	QP
82.016	1.0	8.5	11.0	20.5	Horizontal	40	19.5	QP
87.230	1.1	10.3	14.3	25.7	Horizontal	40	14.3	QP
90.988	1.2	11.9	10.5	23.6	Horizontal	43.5	19.9	QP
192.111	1.6	10.6	7.5	19.7	Horizontal	43.5	23.8	QP

Remark: Emission level (dBµV)=Read Value(dBµV/m) + Antenna Factor(dB)+ Cable Loss +preamp(dB)

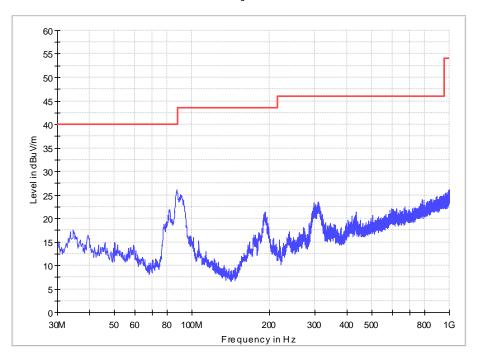
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30MHz-1GHz

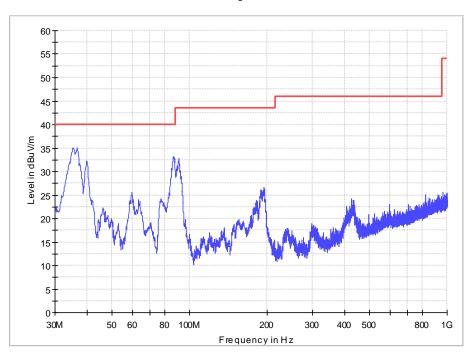
Horizontal

ESW8 Field strength 30M-1GHz



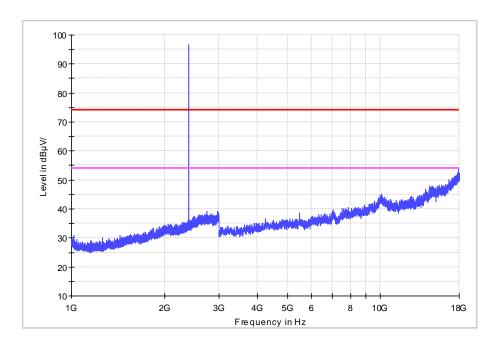
Vertical

ESW8 Field strength 30M-1GHz

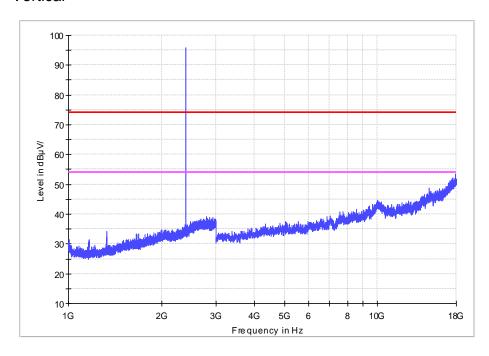


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GFSK CH0 Horizontal

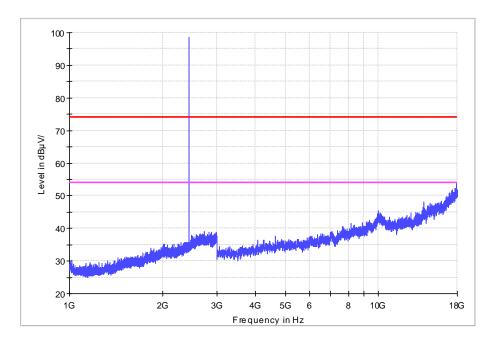


Vertical

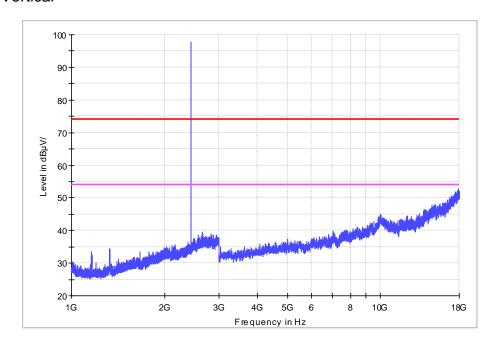


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GFSK CH39 Horizontal

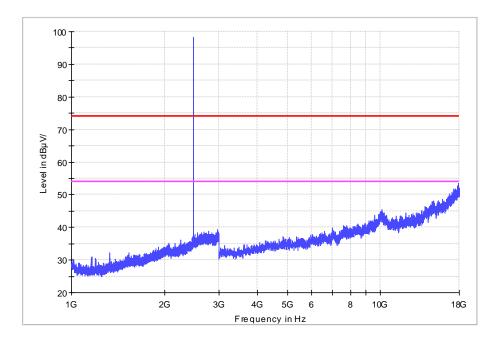


Vertical

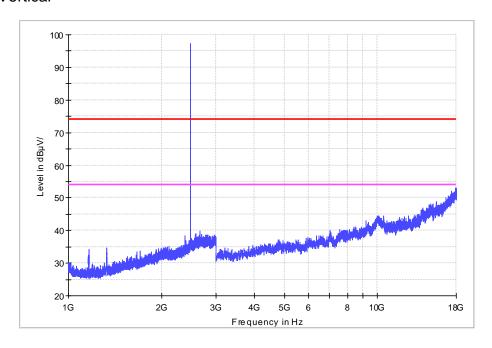


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GFSK CH78 Horizontal

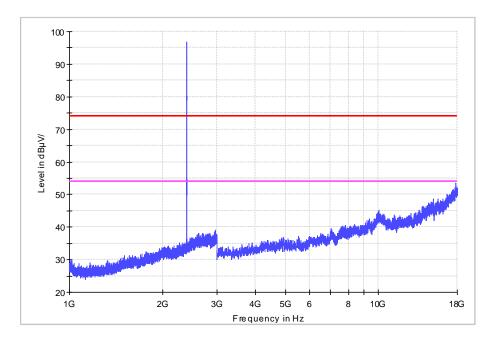


Vertical

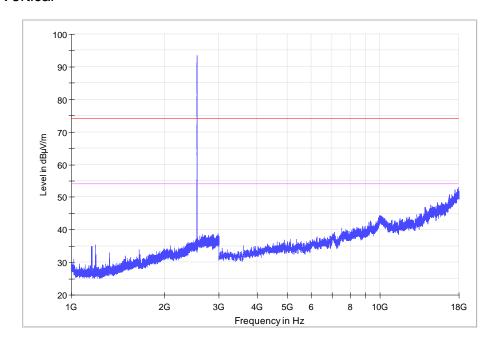


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8PDSK CH0 Horizontal

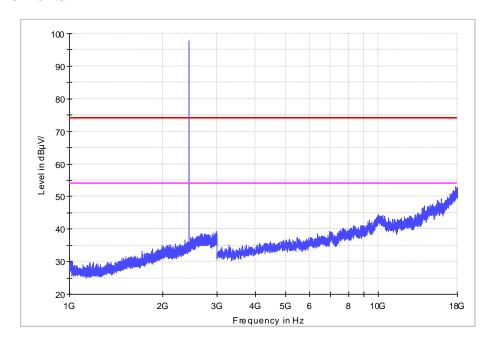


Vertical

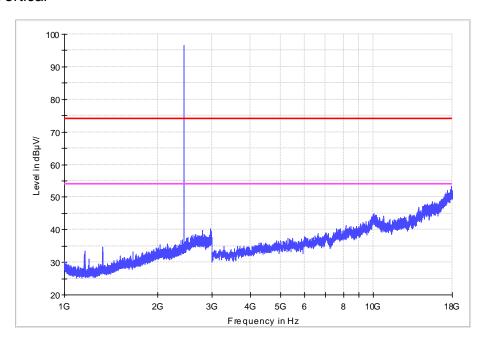


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8PDSK CH39 Horizontal

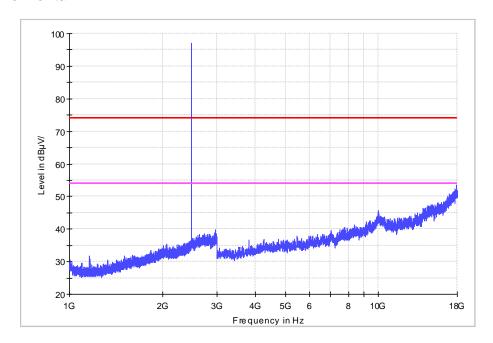


Vertical

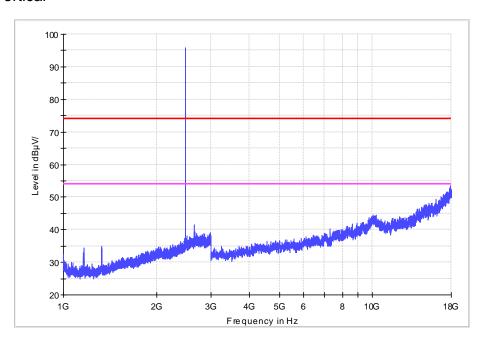


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8PDSK CH78 Horizontal



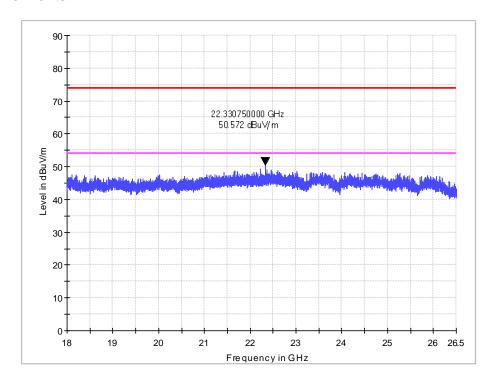
Vertical



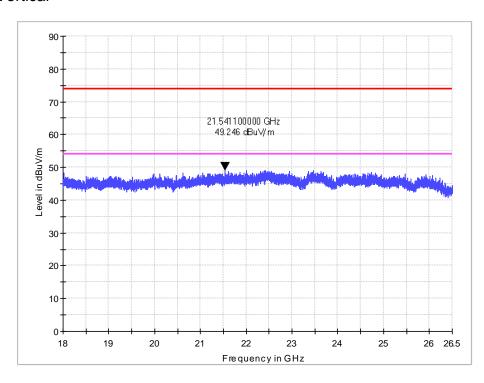
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18-26.5GHz

No Peak found in pre-scan, only worst case result is listed in this report. Horizontal



Vertical



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Table 11 Restricted Band Radiated Emission Data

Table 11 Restricted Barid Radiated Effission Data					
MHz	MHz	MHz	GHz		
0.090 - 0.110 0.495 - 0.505 2.1735 - 2.1905 4.125 - 4.128 4.17725 - 4.17775 4.20725 - 4.20775 6.215 - 6.218 6.26775 - 6.26825 6.31175 - 6.31225 8.291 - 8.294 8.362 - 8.366 8.37625 - 8.38675 8.41425 - 8.41475 12.29 - 12.293 12.51975 - 12.52025 12.57725 13.36 - 13.41	16.42 - 16.423 16.69475 - 16.69525 16.80425 - 16.80475 25.5 - 25.67 37.5 - 38.25 73 - 74.6 74.8 - 75.2 108 - 121.94 123 - 138 149.9 - 150.05 156.52475 - 156.52525 156.7 - 156.9 162.0125 - 167.17 167.72 - 173.2 240 - 285 322 - 335.4	399.9 - 410 608 - 614 960 - 1240 1300 - 1427 1435 - 1626.5 1645.5 - 1646.5 1660 - 1710 1718.8 - 1722.2 2200 - 2300 2310 - 2390 2483.5 - 2500 2655 - 2900 3260 - 3267 3332 - 3339 3345.8 - 3358 3600 - 4400	4.5 - 5.15 5.35 - 5.46 7.25 - 7.75 8.025 - 8.5 9.0 - 9.2 9.3 - 9.5		

Except as shown in table 9 to table 15, all other emission of the above band were less than the limit 20dB.

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7. 20DB BANDWIDTH MEASUREMENT

7.1. Limits of 20dB Bandwidth Measurement

CFR 47 (FCC) part 15.247 (a) (1) and DA 00-705

7.2. Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and VBW≥RBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

7.3. Test Setup

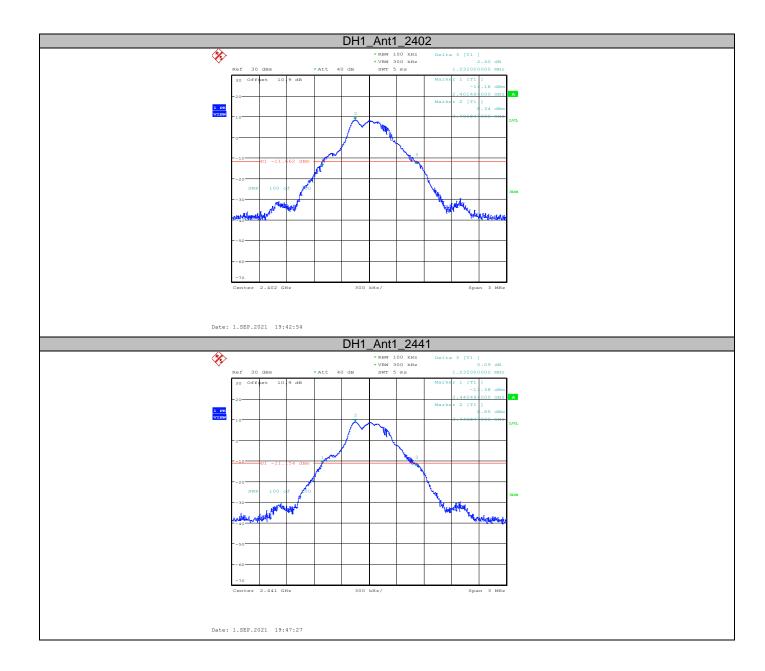


7.4. Test Data

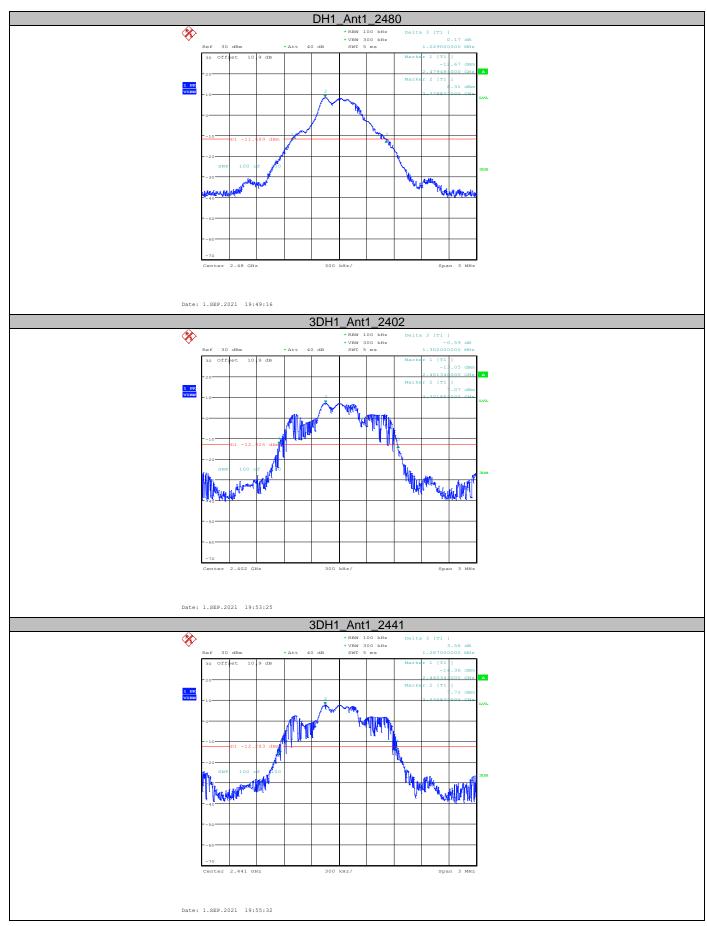
Table 12 20dB Bandwidth Test Data

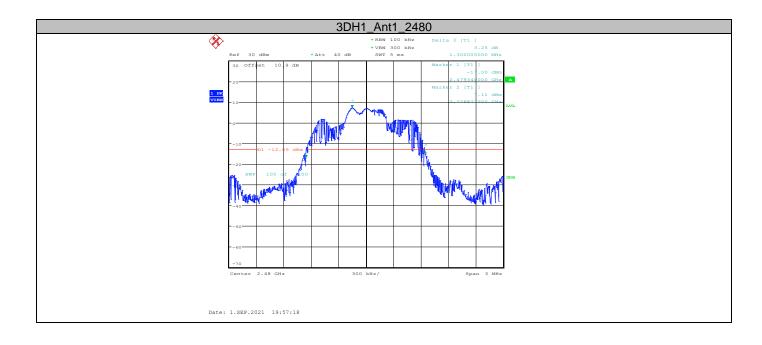
Test Mode	CHANNEL FREQUENCY (MHz)	Modulation	20dB BANDWIDTH (MHz)	Result
DH1	2402	GFSK	1.032	Pass
	2441		1.032	Pass
	2480		1.029	Pass
3DH1	2402		1.302	Pass
	2441	8DPSK	1.287	Pass
	2480		1.302	Pass

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8. CARRIER FREQUENCY SEPARATION MEASUREMENT

8.1. Limits of Carrier Frequency Separation Measurement

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

8.2. Test Procedure

- (a) Connect test port of EUT to spectrum analyzer and universal communication tester
- (b) Set the EUT to transmit maximum output power at 2.4GHz and switch off frequency hopping function, then set the measured frequency number to two adjacent channels separately and test the carrier frequency separation with spectrum analyzer.

8.3. Test Setup

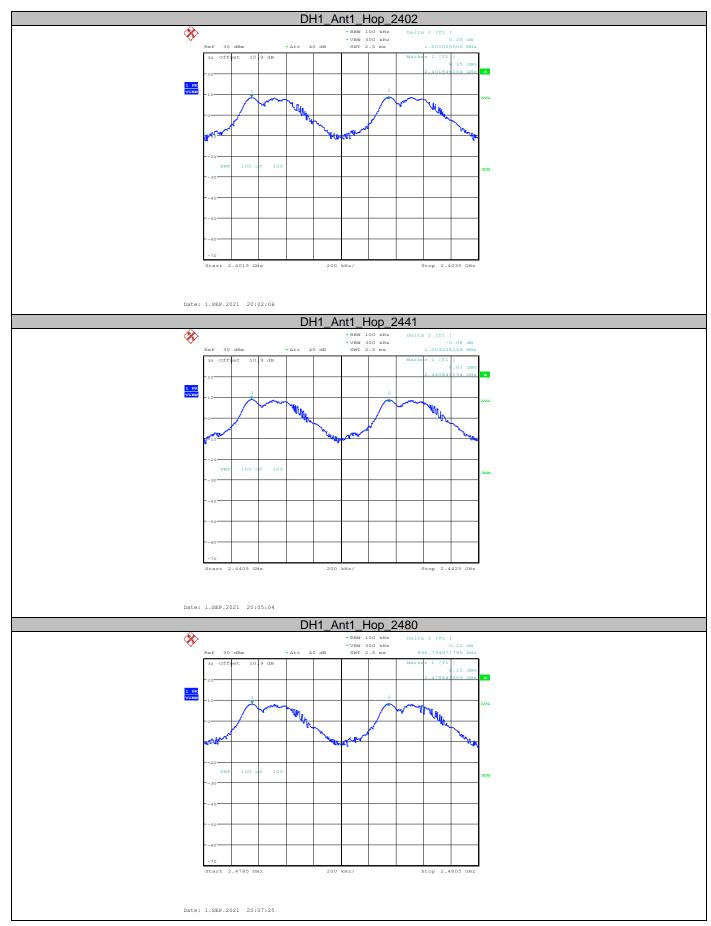


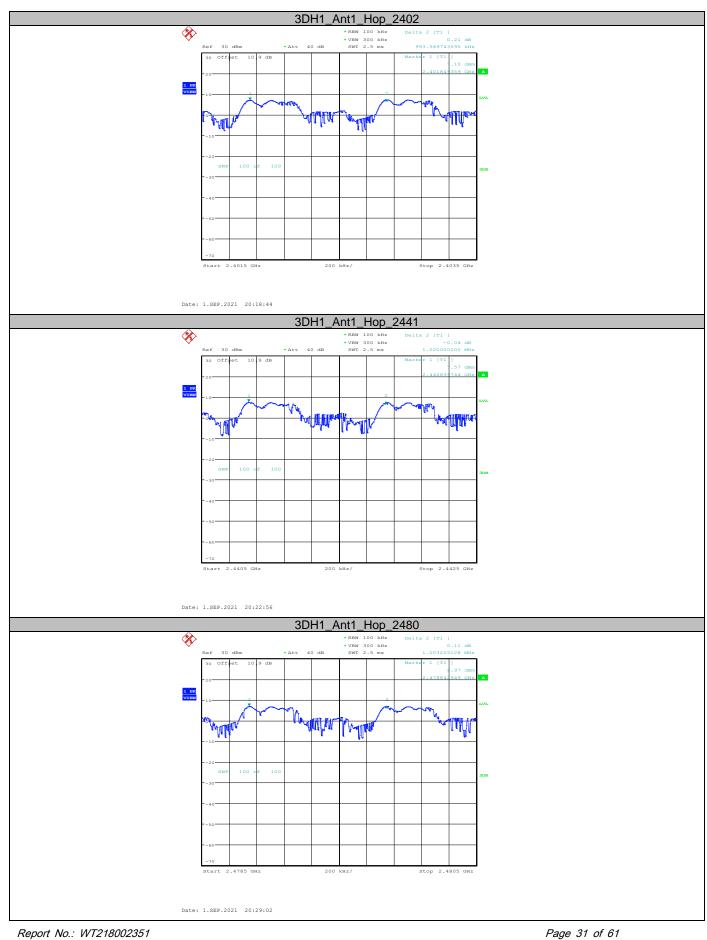
8.4. Test Data

Table 13 Carrier Frequencies Separation

Test Mode	Frequency [MHz]	Frequency [MHz]	Modulation	Frequency separation [MHz]	Limit [MHz]	Result
DH1	2402	2403		1	>=0.688	Pass
	2441	2442	GFSK	1.003	>=0.688	Pass
	2479	2480		0.997	>=0.688	Pass
3DH1	2402	2403		0.994	>=0.868	Pass
	2441	2442	8DPSK	1	>=0.868	Pass
	2479	2480		1.003	>=0.868	Pass

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9. NUMBER OF HOPPING CHANNEL

9.1. Limits of Number of Hopping Channel

Number of hopping channel should be compliance with the requirements in part15.247 (a) (1) III.

9.2. Test Procedure

- (a) Connect test port of EUT to spectrum analyzer.
- (b) Set the EUT to transmit maximum output power at 2.4GHz and switch on. Frequency hopping function, then set enough count time (larger than 5000 times) to get all the hopping frequency channel displayed on the screen of spectrum analyzer.
- (c) Count the quantity of peaks to get the number of hopping channels.

9.3. Test Setup

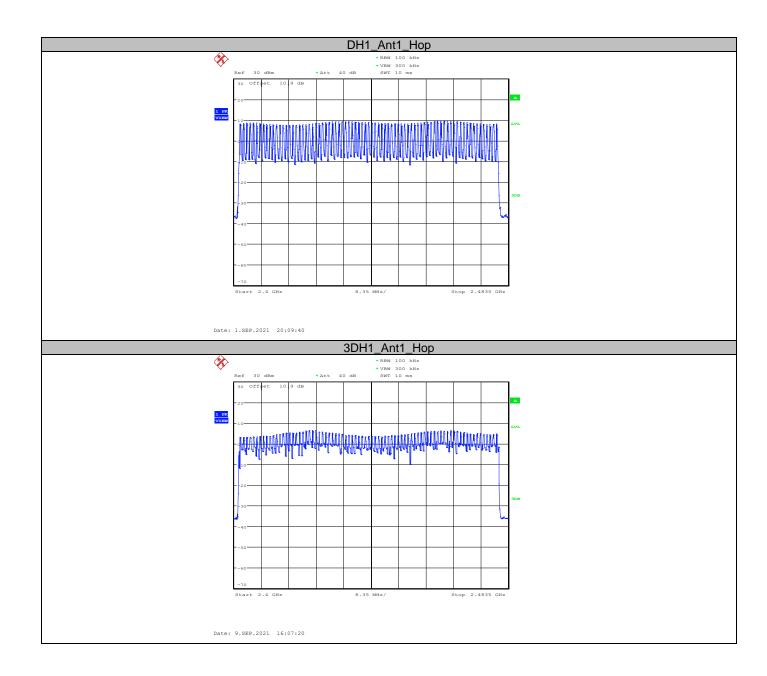


9.4. Test Data

Table 14 Hopping Channel Number Test Data

Test Mode	Hopping Numbers	Modulation	Limit	Result
DH1	79	GFSK	>=15	Pass
3DH1	79	8DPSK	>=15	Pass

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10. TIME OF OCCUPANCY

10.1.Limits of Time Occupancy

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

10.2.Test Procedure

- (a) Connect test port of EUT to spectrum analyzer and universal communication tester.
- (b) Set the EUT to transmit maximum output power at 2.4GHz and switch on frequency hopping function.
- (c) Set the span of spectrum analyzer to 0 Hz, and set the resolution bandwidth to 1 MHz and the video bandwidth to 1 MHz, then get the time domain measured diagram. and set sweep time to 2 times of one burst occupancy time, and measure the time of occupancy of one burst.
- (d) Set the resolution bandwidth to 1 MHz and the video bandwidth to 3 MHz ,and set the sweep time to a period (0.4 seconds multiplied by the number of hopping channels employed), and count the number of the bursts.
- (e) Calculate the time of occupancy in a period with time occupancy of a burst and quantity of bursts.

DH1: Dwell time equal to Pluse time (ms)*(1600/2/79)*31.6ms

DH3: Dwell time equal to Pluse time (ms)*(1600/4/79)*31.6ms

DH5: Dwell time equal to Pluse time (ms)*(1600/6/79)*31.6ms

AFH Mode:

DH1: Dwell time equal to Pluse time (ms)*(800/2/20)* (0.4*20) ms

DH3: Dwell time equal to Pluse time (ms)*(800/4/20)* (0.4*20) ms

DH5: Dwell time equal to Pluse time (ms)*(800/6/20)* (0.4*20) ms

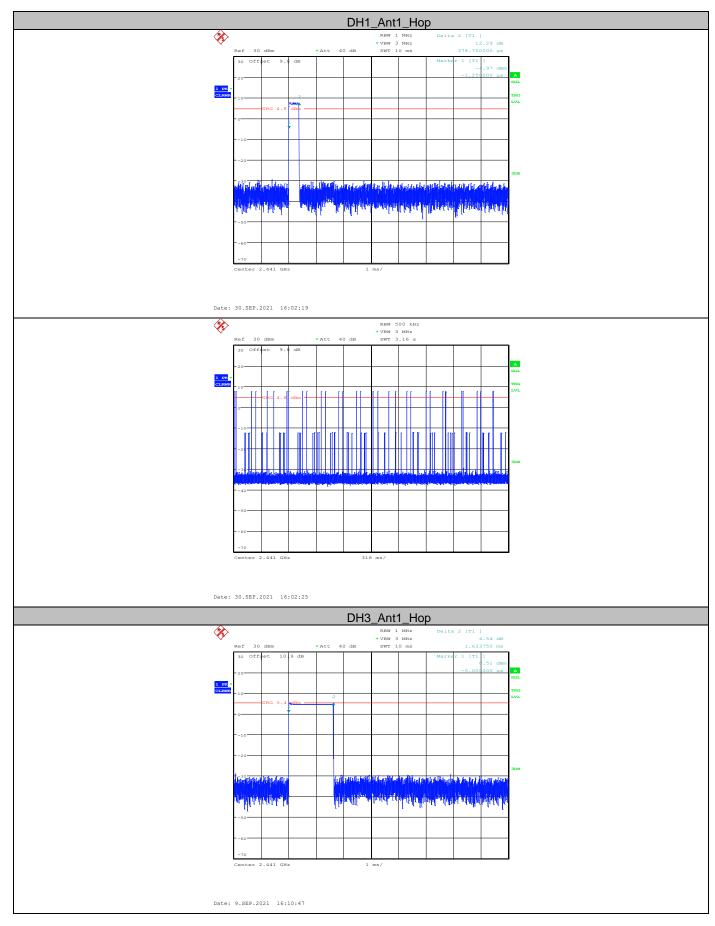
10.3.Test Data

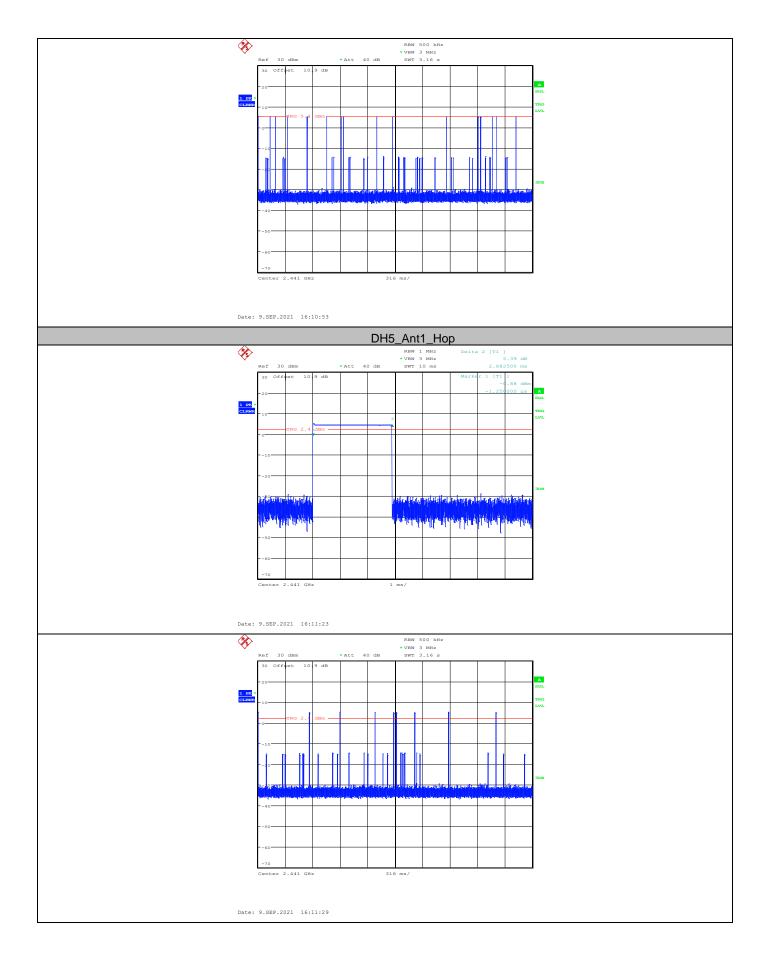
GFSK

Table 15 Time of Occupancy

Data Packet	Time of Single Slot [ms]	Numbers of Slots in a period	Time of Occupied in a period [s]	AFH Mode Time of occupied in a period [s]	Limit [s]	Results
DH1	0.38	320	0.121	0.061	<= 0.40	Pass
DH3	1.63	150	0.245	0.123	<= 0.40	Pass
DH5	2.88	90	0.259	0.130	<= 0.40	Pass

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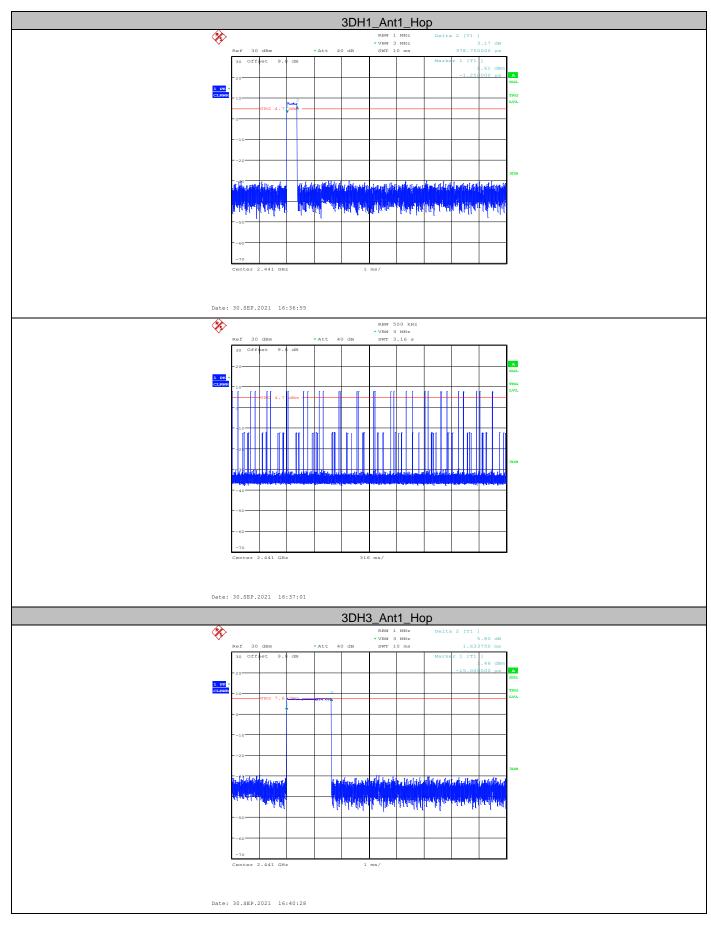


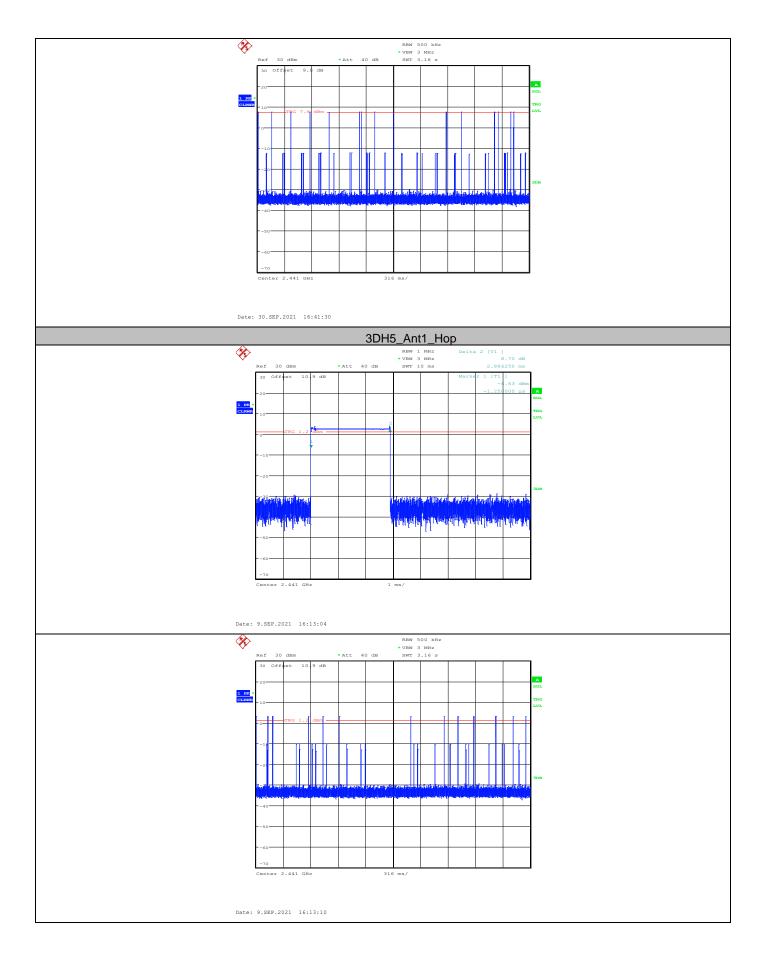
8DPSK

Table 16 Time of Occupancy

Data Packet	Time of Single Slot [ms]	Numbers of Slots in a period	Time of Occupied in a period [s]	AFH Mode Time of occupied in a period [s]	Limit [s]	Result
3DH1	0.38	320	0.121	0.061	<= 0.40	Pass
3DH3	1.63	140	0.228	0.114	<= 0.40	Pass
3DH5	2.89	130	0.375	0.188	<= 0.40	Pass

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11. MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

11.1.Limits of Maximum Conducted Output Power Measurement

Compliance with part 15.247 (b) (1)& RSS-247Clause 5.4(2), for frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt.

For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watt.

11.2.Test Procedure

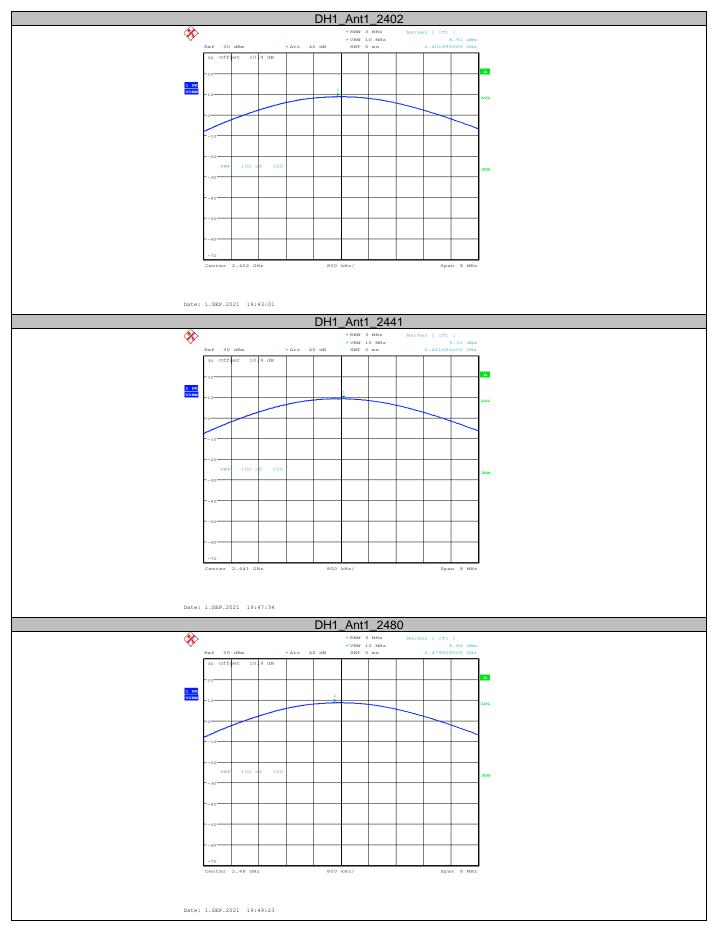
- (a) Connect test port of EUT to universal communication tester.
- (b) Set the EUT to transmit maximum output power at 2.4GHz and switch off frequency hopping function.
- (c) Then set the EUT to transmit at high, middle and low frequency and measure the conducted output power separately.

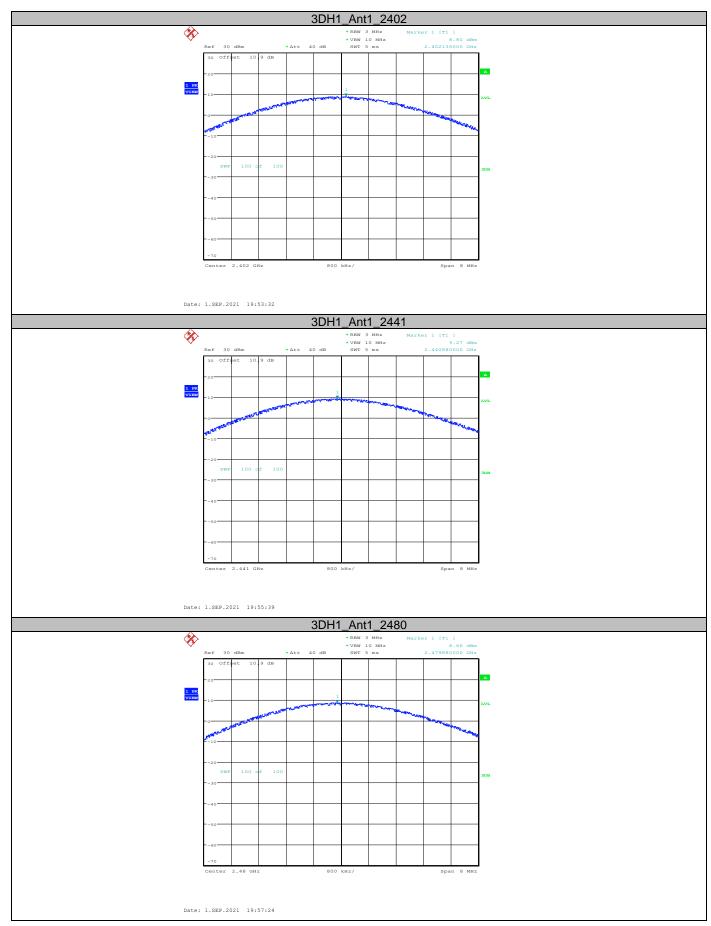
11.3.Test Data

Table 17 Maximum Conducted Output Power Test Data

Test Mode	Center Freq. [MHz]	Modulation	Meas. Level (Cond.) [dBm]	I Limit IdRmI I Recult		
	2402		8.91	<=20.97	Pass	
DH1	2441	GFSK	9.31	<=20.97	Pass	
	2480		8.86	<=20.97	Pass	
	2402		8.8	<=20.97	Pass	
3DH1	2441	8DPSK	9.27	<=20.97	Pass	
	2480		8.66	<=20.97	Pass	

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12. BAND EDGES MEASUREMENT

12.1.Limits of Band Edges Measurement

Below –20dB of the highest emission level of operating band (in 100 kHz resolution bandwidth).

12.2.Test Procedure

- 1. The EUT is placed on a turntable, which is 1.5m above the ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
- (a) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO
- (b) PEAK: RBW=VBW=1MHz / Sweep=AUTO
- 5. Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are measured.

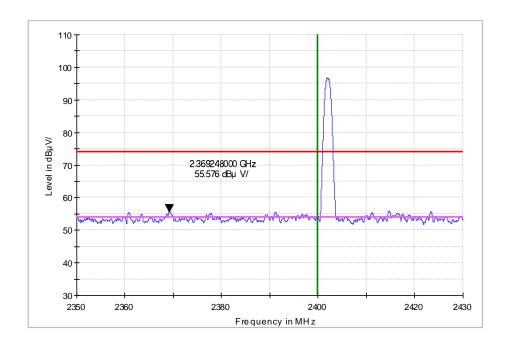
12.3.Test Data

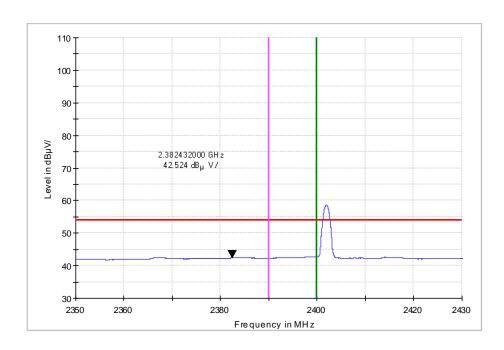
The measured plots are attached on the following. Test data shows compliance with the band edge requirement in part 15.247(d).

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GFSK Low edge

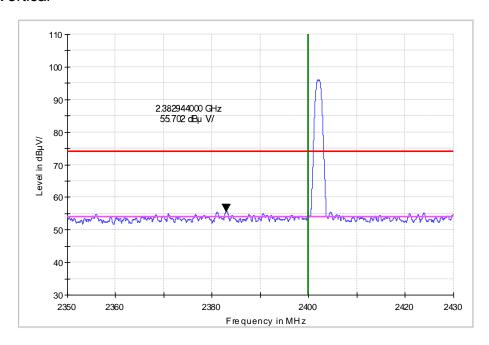
Horizontal

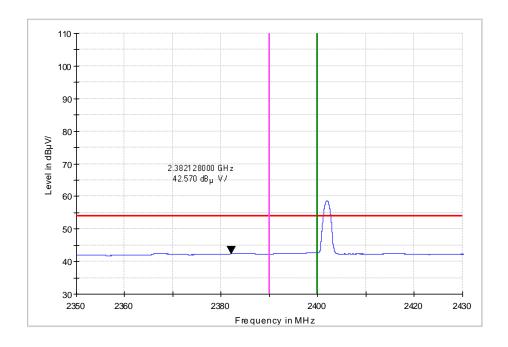




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Vertical

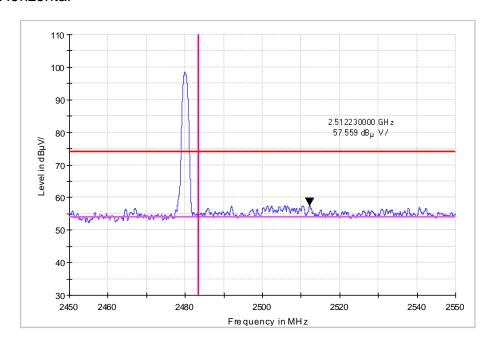


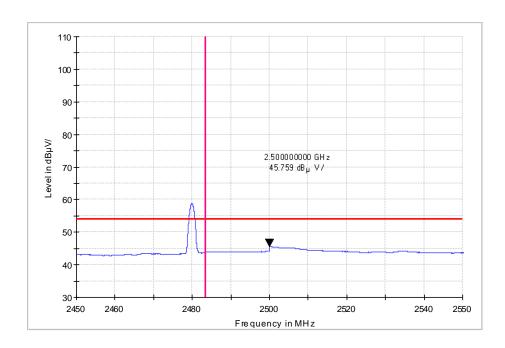


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GFSK Upper Edge

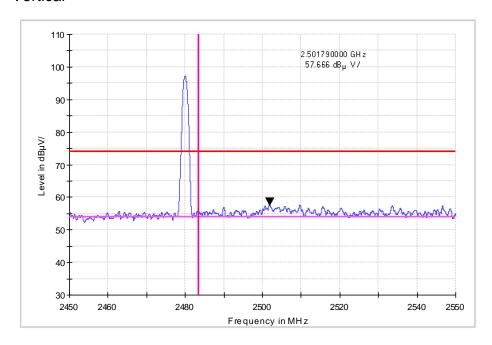
Horizontal

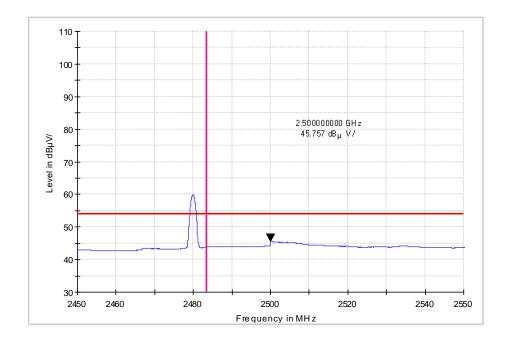




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Vertical

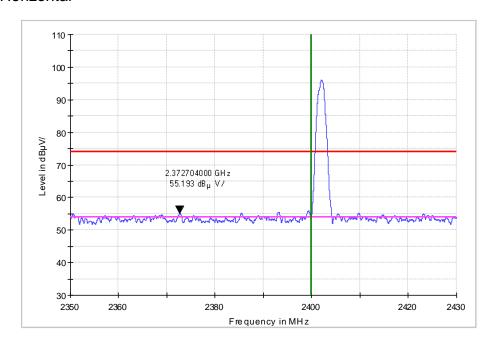


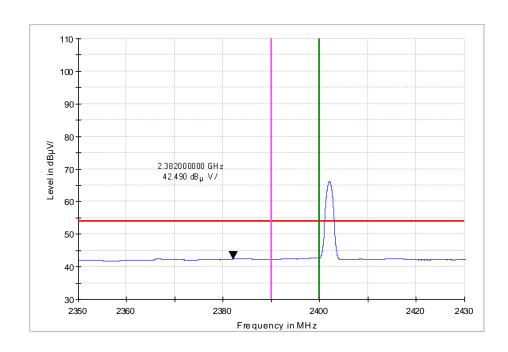


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8DPSK Low edge

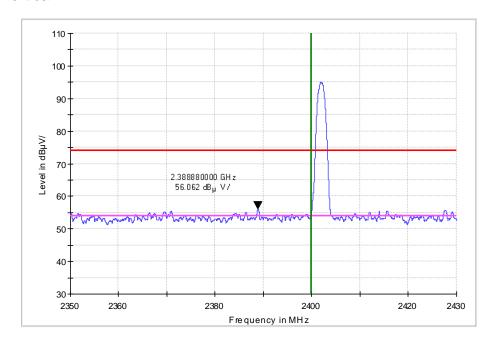
Horizontal

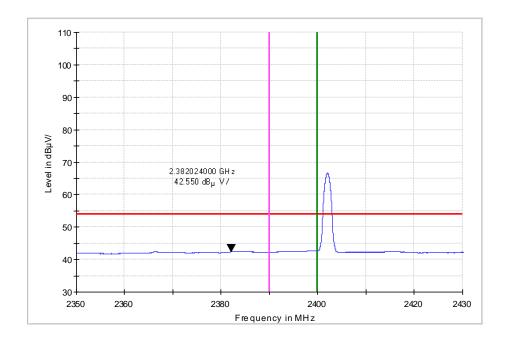




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Vertical

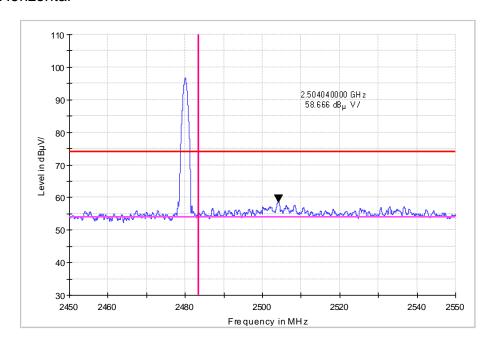


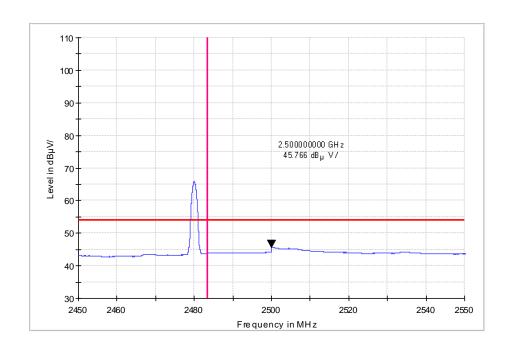


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8DPSK Upper edge

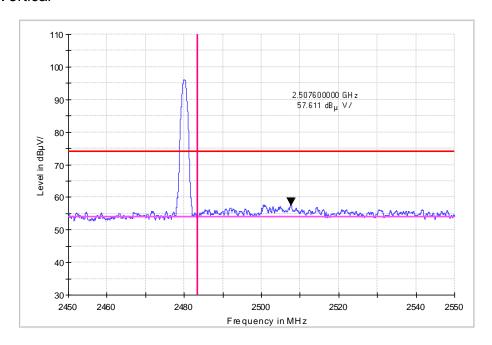
Horizontal

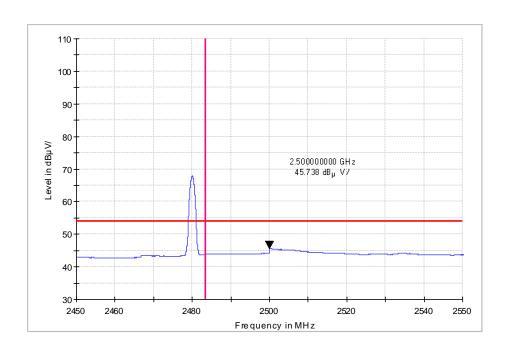




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Vertical





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13. CONDUCTED SPURIOUS EMISSION

13.1.Limits of Band Edges Measurement

Below –20dB of the highest emission level of operating band (in 100 kHz resolution bandwidth).

13.2.Test Procedure

The transmitter output was connected to the spectrum analyzer.

The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 300 kHz.

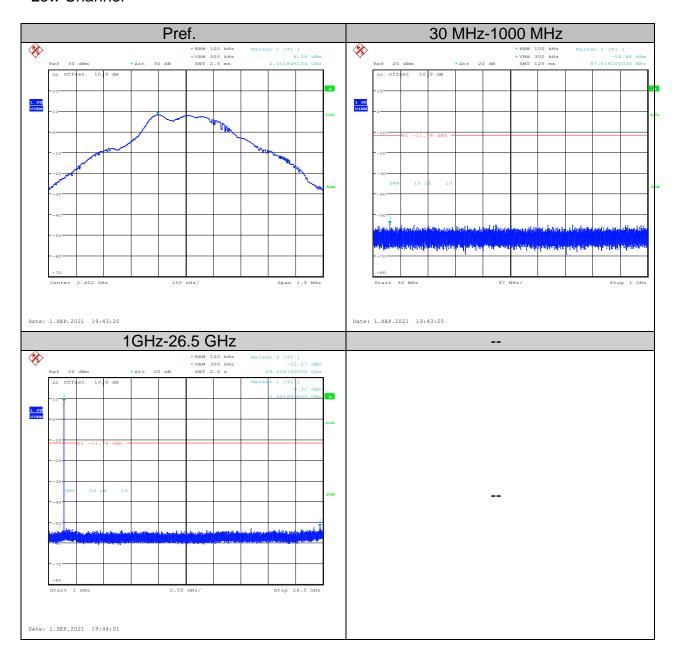
The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels.

The bandedges at 2.4 and 2.4835 GHz are investigated with the transmitter set to the normal

13.3.Test Data

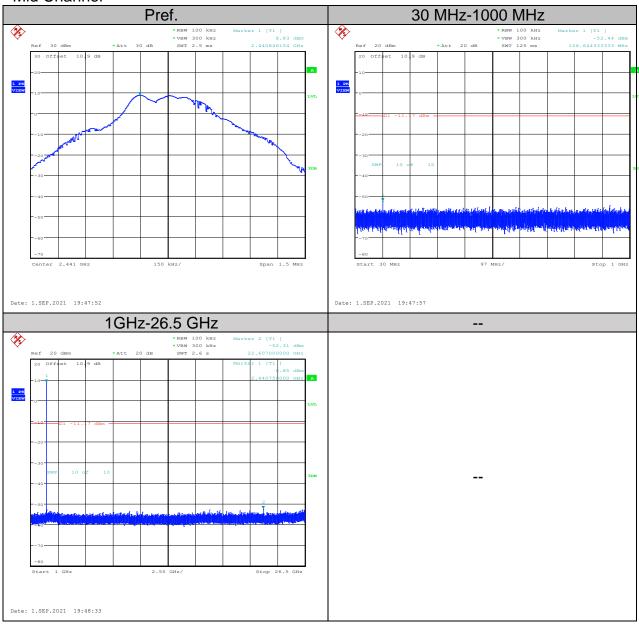
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GFSK Low Channel



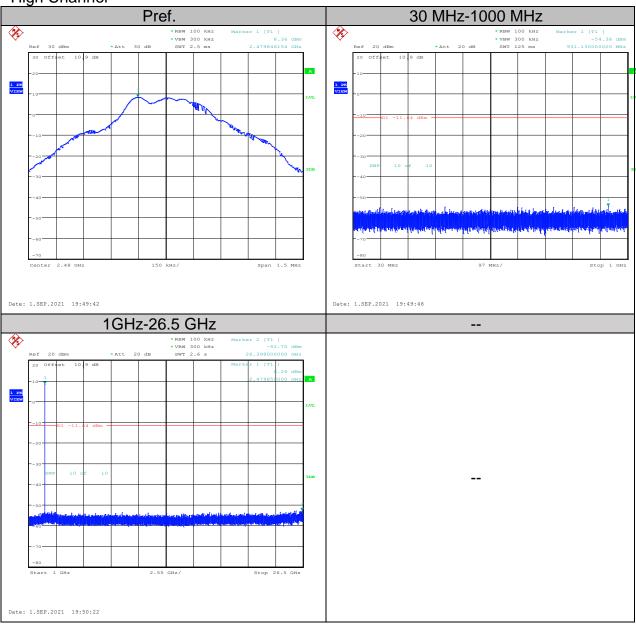
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GFSK Mid Channel



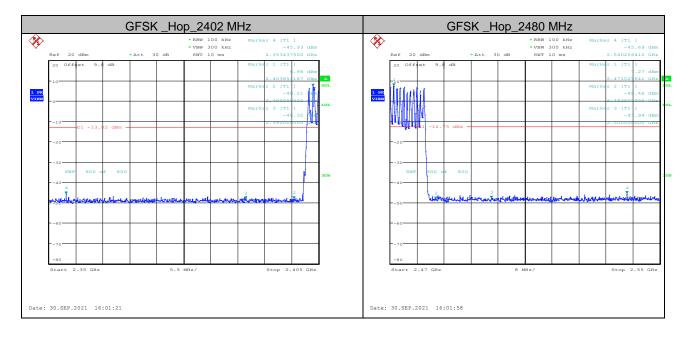
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GFSK High Channel



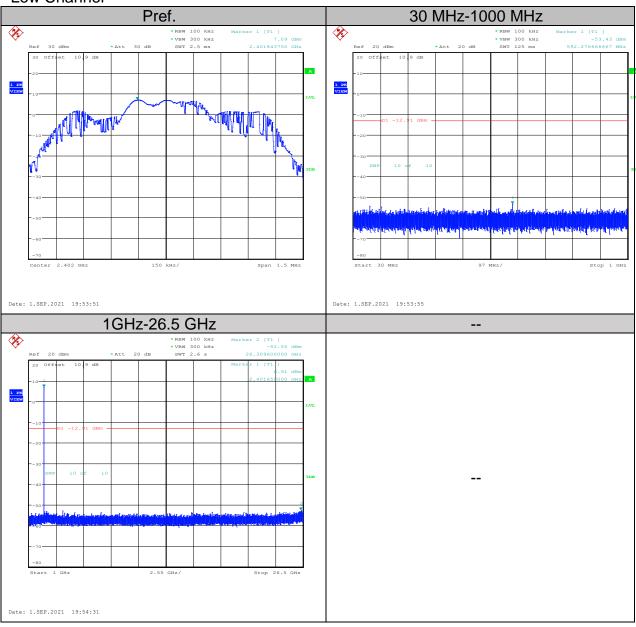
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GFSK Band Edge Hopping on



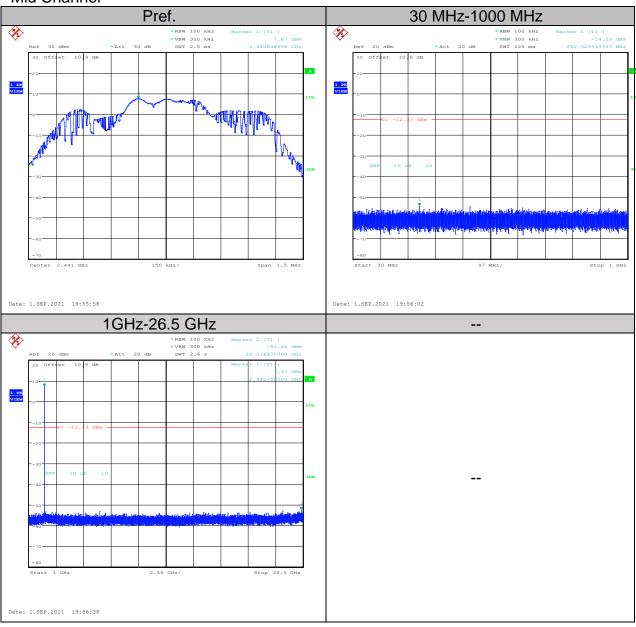
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8DPSK Low Channel



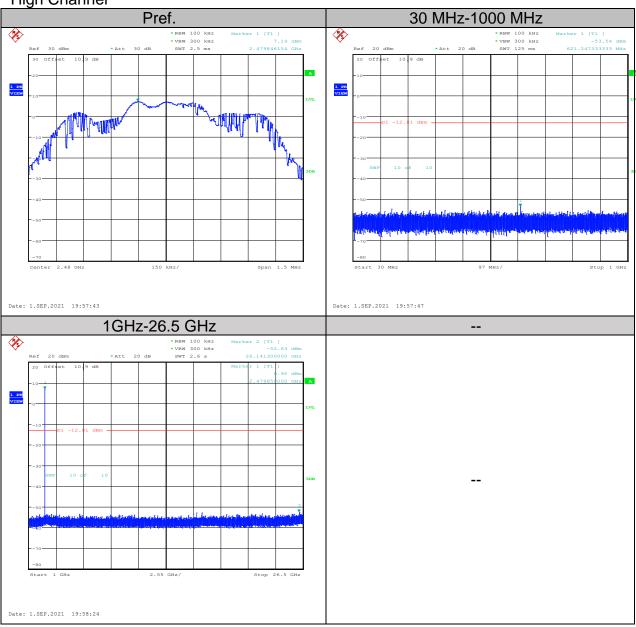
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8DPSK Mid Channel



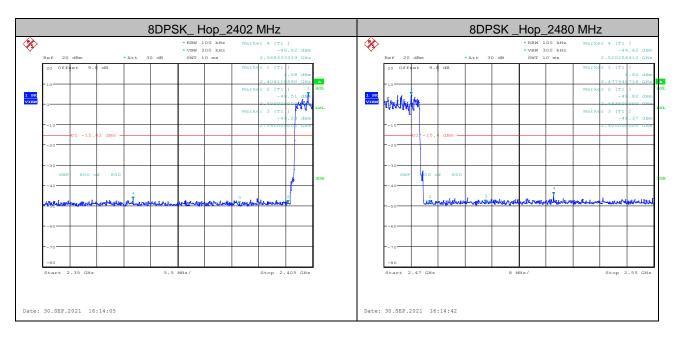
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8DPSK High Channel



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8DPSK Band Edge Hopping on



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14. ANTENNA REQUIREMENTS

15.203 requirements:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirements:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

14.1.Antenna Connector

Antenna Connector is on the PCB within enclosure and not accessible to user.

14.2.Antenna Gain

The	antenna	nain	Ωf	FUT	is	less.	than	6	dRi
1110	antenna	yanı	Οı	LUI	ıo	1000	ulali	U	uDI.

End of Report

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