TEST REPORT

For

Mobile Phone

Model Number: 7071A

FCC ID: 2ACCJBT06

Report Number : WT178004536

Test Laboratory : Shenzhen Academy of Metrology and Quality

Inspection

National Digital Electronic Product Testing Center

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

Shenzhen, China

Tel : 0086-755-86928965

Fax : 0086-755-86009898-31396

Web : www.smq.com.cn E-mail : emcrf@smq.com.cn

Test report declaration

Applicant : TCL Communication Ltd

Address : 5F, C-Tower, No.232, Liangjing Road, Zhangjiang High-tech

Park, Pudong, Shanghai, China

Manufacturer : TCL Communication Ltd

Address : 5F, C-Tower, No.232, Liangjing Road, Zhangjiang High-tech

Park, Pudong, Shanghai, China

EUT Description : Mobile Phone

Model No : 7071A

Trade mark : alcatel

Serial Number : /

FCC ID : 2ACCJBT06

Test Standards:

FCC Part 15 15.207, 15.209, 15.247(2016)

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:

Checked by:

Checked by:

Approved by:

Date: Aug.31, 2017

Date: Aug.31, 2017

Date: Aug.31, 2017

Date: Aug.31, 2017

Report No.: WT178004536 Page 2 of 62

TABLE OF CONTENTS

TEST	REPO	RT DECLARATION	2
1.	TEST	RESULTS SUMMARY	5
2.	GENE	RAL INFORMATION	6
	2.1.	Report information	
	2.2.	Laboratory Accreditation and Relationship to Customer	
	2.3.	Measurement Uncertainty	6
3.	PROD	OUCT DESCRIPTION	
	3.1.	EUT Description	
	3.2.	Related Submittal(s) / Grant (s)	
	3.3.	Block Diagram of EUT Configuration	
	3.4. 3.5.	Operating Condition of EUT	
	3.6.	Test Conditions	
	3.7.	Special Accessories	
	3.8.	Equipment Modifications	
4.	TEST	EQUIPMENT USED	
5.	CONE	DUCTED DISTURBANCE TEST	10
	5.1.	Test Standard and Limit	
	5.2.	Test Procedure	
	5.3.	Test Arrangement	
	5.4.	Test Data	
6.	RADIA	ATED DISTURBANCE TEST	
	6.1.	Test Standard and Limit	
	6.2.	Test Procedure	
	6.3. 6.4.	Test Arrangement Test Data	
7.	-	BANDWIDTH MEASUREMENT	
7.		LIMITS OF 20dB BANDWIDTH MEASUREMENT	
	7.1. 7.2.	TEST PROCEDURE	
	7.2. 7.3.	TEST SETUP	
	7.4.	Test Data	
8.	CARR	IER FREQUENCY SEPARATION MEASUREMENT	
	8.1.	LIMITS OF Carrier frequency separation measurement	44
	8.2.	TEST PROCEDURES	
	8.3.	TEST SETUP	
	8.4.	Test Data	
9.	NUME	BER OF HOPPING CHANNEL	
	9.1.	LIMITS OF 9. NUMBER OF HOPPING CHANNEL	
	9.2.	TEST PROCEDURE	
	9.3.	TEST SETUP	
40	9.4.	Test Data	
10.		OF OCCUPANCY	
	10.1. 10.2.	LIMITS OF TIME OF OCCUPANCY	
Davis and A	IU.∠.	TEST PROCEDURE	49 ~

	10.3.	TEST RESULTS	50
11.	PEAK	POWER	54
	11.1.	LIMITS OF Peak Power	54
	11.2.	TEST PROCEDURE	54
	11.3.	TEST RESULTS	54
12.	BAND	EDGES MEASUREMENT	57
	12.1.	Limits of Band Edges Measurement	57
	12.2.	TEST PROCEDURE	
	12.3.	Test Results	57
13.	COND	DUCTED SPURIOUS EMISSIONS	66
	13.1.	Limits of Band Edges Measurement	66
	13.2.	Test Procedure	66
	13.3.	TEST RESULTS	
14.	ANTE	NNA REQUIREMENTS	71
	14.1.	Applicable requirements	
	14.2.	Antenna Connector	
	14.3.	Antenna Gain	

1. TEST RESULTS SUMMARY

Table 1 Test Results Summary

Table 1 Test Nesdits Summary						
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				
Peak 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 emission test for power port	15.207	Pass				
Antenna Requirment	15.203	Pass				

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

Report No.: WT178004536 Page 5 of 62

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.

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 accreditated by the United States of American Federal Communic ations Commission (FCC), and the registration number is 582918.

The Laboratory is registered to perform emission tests with Industry Canada (IC), and the registration number is 11177A-1 11177A-2.

TUV Rhineland accredits the Laboratory for conformance to IEC and EN standards, the registration number is E2024086Z02.

2.3. Measurement Uncertainty

Conducted Emission 9kHz~30MHz 3.5dB

Radiated Emission 30MHz~1000MHz 4.5dB 1GHz~26.5GHz 4.6dB

Report No.: WT178004536 Page 6 of 62

3. PRODUCT DESCRIPTION

3.1.EUT Description

Description : Mobile Phone

Manufacturer : TCL Communication Ltd

Model Number : 7071A

Operate Frequency : 2.402GHz~2.480GHz

Antenna Designation : BT: DIPOLE ANTENNA 1.5dBi

Operating voltage : 3.5V (Low)/3.8V (Nominal)/ 4.35V (Max)

Software Version : vG2J

Hardware Version : V03

Remark: 1. The modes of adaptor QC11US (1#)、QC11RU (4#)、QC11EU (5#)、QC11ART (6#)、QC11UK(7#) are identical in circuit design and PCB layout, the only difference is the plug type. The modes of adaptor QC11US (2#)、QC11EU(8#)、QC11UK (9#)are identical in circuit design and PCB layout, the only difference is the plug type. EMC tests were performed on the type QC11US (1#) and QC11US (2#).

- 2. Two models of batteries provided, TLp038B1 and TLp038B7 respectively, Full tests were performed on model TLp038B1, and the worst case results are recorded in this report.
- 3. Two models of Earphones provided, 1# (Superb) and 2# (JUWEI) respectively, Full tests were performed on model 1# (Superb), and the worst case results are recorded in this report.
- 4. Two models of USB provided, 1# (PUAN) and 2# (JUWEI) respectively, Full tests were performed on model 1# (PUAN), and the worst case results are recorded in this report.

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

This submittal(s) (test report) is intended for FCC ID: **2ACCJBT06** 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

EUT AC adaptor

Report No.: WT178004536 Page 7 of 62

Figure 1 EUT setup

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

Name	Model No	S/N	Manufacturer
Adaptor 1# for EUT	QC11US		Ten Pao Industrial Co.,Ltd.
Adaptor 2# for EUT	QC11US		Huizhou BYD Electronic Co.,Ltd.
Adaptor 3# for EUT	UC13EU		Huizhou BYD Electronic Co.,Ltd.
Adaptor 4# for EUT	QC11RU		Ten Pao Industrial Co.
Adaptor 5# for EUT	QC11EU		Ten Pao Industrial Co.
Adaptor 6# for EUT	QC11ART		Ten Pao Industrial Co.
Adaptor 7# for EUT	QC11UK		Ten Pao Industrial Co.
Adaptor 8# for EUT	QC11EU		Huizhou BYD Electronic Co.,Ltd.
Adaptor 9# for EUT	QC11UK		Huizhou BYD Electronic Co.,Ltd.
USB 1# for EUT			PUAN
USB 2# for EUT			JUWEI
Battery 1# for EUT	TLp038B1		Shenzhen BYD Lithium Battery Company Limited
Battery 2# for EUT	TLp038B7		Ningbo Veken Battery Co.,Ltd.
Earphone 1# for EUT			Dong Guan Superb electronic Co.,Ltd.
Earphone 2# for EUT			HUIZHOU JUWEI ELECTRONICS CO.,LTD

3.6. Test Conditions

Date of test: Aug.03, 2017- Aug.31, 2017 Date of EUT Receive: Aug.01, 2017

Temperature: 18-24 °C Relative Humidity: 39-61%

3.7. Special Accessories

Not available for this EUT intended for grant.

3.8. Equipment Modifications

Not available for this EUT intended for grant.

Report No.: WT178004536 Page 8 of 62

4. TEST EQUIPMENT USED

Table 3 Test Equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal.
					Interval
SB3319	EMI Test Receiver	Rohde & Schwarz	ESCS30	Nov.29, 2016	1 Year
SB4357	AMN	Rohde & Schwarz	ESH2-Z5	Sep.29, 2016	1 Year
SB3436	EMI Test Receiver	Rohde & Schwarz	ESI26	Nov.29, 2016	1 Year
SB8501/09	EMI Test Receiver	Rohde & Schwarz	ESU40	Mar.21, 2017	1 Year
SB8501/04	Bilog Antenna	Schwarzbeck	VULB9163	Mar.21, 2017	1 Year
SB3955	Bilog Antenna	Schwarzbeck	VULB9163	Mar.22 ,2017	1 Year
SB3435	Horn Antenna	Rohde & Schwarz	HF906	Jan.03, 2017	1 Year
SB8501/01	Horn Antenna	Rohde & Schwarz	HF907	Mar.22, 2017	1 Year
SB8501/11	Horn Antenna	ETS-Lindgren	3160-09	Mar.1,2017	1 Year
SB3345	Loop Antenna	Schwarzbeck	FMZB1516	Mar.22, 2017	2 Years
SB8501/14	Preamplifier	Rohde & Schwarz	SCU-03	Mar.19, 2017	1 Year
SB8501/16	Preamplifier	Rohde & Schwarz	SCU-26	Mar.06, 2017	1 Year
SB8501/17	Preamplifier	Rohde & Schwarz	SCU-18	Mar.06, 2017	1 Year
SB12827/01	Power Sensor	Rohde & Schwarz	NRP-Z22	Jun.19, 2017	1 Year
SB11873/01	Power Sensor	Rohde & Schwarz	OSP120+OSP- B157	Mar.13, 2017	1 Year
	Test Software	Rohde & Schwarz	Power Viewer Plus		
SB7941/02	Signal Analyzer	Rohde & Schwarz	FSU26	Jun.19,2017	1 Year

Report No.: WT178004536 Page 9 of 62

5. CONDUCTED DISTURBANCE TEST

5.1. Test Standard and Limit

5.1.1.Test Standard

FCC Part 15 15.207

5.1.2.Test Limit

Table 4 Conducted Disturbance Test Limit

Fraguency	Maximum RF Line Voltage (dBμV)				
Frequency	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 (R&S Test Receiver ESCS30) is used to test the emissions form 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 9kHz.

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.

Report No.: WT178004536 Page 10 of 62

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

Table 5 Conducted Disturbance Test Data

Model No.: 7071A

Test mode: Charging and Transmiting

Adaptor:1#

	Frequency	Correction		Quasi-Peak		Average			
	(MHz)	Factor (dB)	Reading (dBμV)	Emission Level (dB _µ V)	Limits (dBμV)	Reading (dBμV)	Emission Level (dB _µ V)	Limits (dBμV)	
	0.186	9.7	40.1	49.8	64.2	24.2	33.9	54.2	
	0.242	9.7	33.4	43.1	62.0	19.8	29.5	52.0	
Lino	0.418	9.7	33.1	42.8	57.5	22.7	32.4	47.5	
Line	0.542	9.8	33.3	43.1	56	22.7	32.5	46	
	0.590	9.8	34.0	43.8	56	23.5	33.3	46	
	22.620	10.2	30.1	40.3	60	18.1	28.3	50	
	0.198	9.7	40.4	50.1	63.7	24.2	33.9	53.7	
	0.250	9.7	34.0	43.7	61.8	19.1	28.8	51.8	
Navitual	0.418	9.7	32.0	41.7	57.5	21.5	31.2	47.5	
Neutral	0.550	9.8	30.4	40.2	56	21.7	31.5	46	
	0.662	9.8	29.7	39.5	56	21.4	31.2	46	
	23.228	10.2	28.5	38.7	60	16.5	26.7	50	

Table 6 Conducted Disturbance Test Data

Model No.: 7071A

Test mode: Charging and Transmiting

Adaptor:2#

Adaptor:2		T _				1				
	Frequency	Correction		Quasi-Peak			Average			
	(MHz)	(MHz) Factor (dB)		Emission Level (dBµV)	Limits (dBμV)	Reading (dBμV)	Emission Level (dBµV)	Limits (dBμV)		
	0.170	9.7	34.1	43.8	65.0	21.1	30.8	55.0		
	0.542	9.8	37.7	47.5	56	25.9	35.7	46		
Lino	0.654	9.8	36.1	45.9	56	21.2	31.0	46		
Line	2.558	9.9	27.9	37.8	56	14.2	24.1	46		
	17.000	9.9	37.7	47.6	60	23.6	33.5	50		
	24.844	10.2	40.5	50.7	60	24.1	34.3	50		
	0.162	9.7	32.8	42.5	65.4	23.4	33.1	55.4		
	0.582	9.8	32.8	42.6	56	26.7	36.5	46		
Navitual	0.646	9.8	39.6	49.4	56	34.8	44.6	46		
Neutral	1.290	9.8	26.1	35.9	56	19.1	28.9	46		
	15.152	9.9	35.9	45.8	60	27.5	37.4	50		
	25.236	10.2	43.1	53.3	60	21.9	32.1	50		

Report No.: WT178004536 Page 11 of 62

Table 7 Conducted Disturbance Test Data

Model No.: 7071A

Test mode: Charging and Transmiting

Adaptor:3#

	Frequency	Correction	Quasi-Peak			Average			
	(MHz)	Factor (dB)	Reading (dBμV)	Emission Level (dBµV)	Limits (dBμV)	Reading (dBμV)	Emission Level (dB _µ V)	Limits (dBμV)	
	0.150	9.7	32.1	41.8	66	18.7	28.4	56	
	0.562	9.8	32.1	41.9	56	25.6	35.4	46	
Line	0.602	9.8	31.0	40.8	56	24.4	34.2	46	
Line	1.542	9.8	30.7	40.5	56	24.6	34.4	46	
	1.742	9.8	31.4	41.2	56	25.5	35.3	46	
	1.890	9.8	31.5	41.3	56	24.9	34.7	46	
	0.154	9.7	33.0	42.7	65.8	8.7	18.4	55.8	
	0.562	9.8	28.9	38.7	56	19.3	29.1	46	
Navitual	0.622	9.8	23.0	32.8	56	11.3	21.1	46	
Neutral	0.858	9.8	20.3	30.1	56	8.3	18.1	46	
	1.670	9.8	27.0	36.8	56	13.7	23.5	46	
	1.898	9.8	26.3	36.1	56	12.8	22.6	46	

REMARKS: 1. Emission level(dBuV)=Read Value(dBuV) + 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.

Report No.: WT178004536 Page 12 of 62

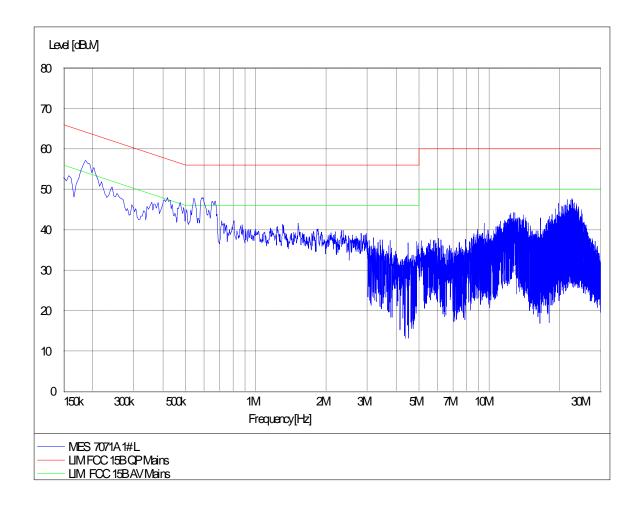
Manufacturer:

Operating Condition: Charging and Transmiting

Test Site: Operator:

Test Specification: L

Comment: AC 120V/60Hz Comment: Adaptor: 1#



Report No.: WT178004536 Page 13 of 62

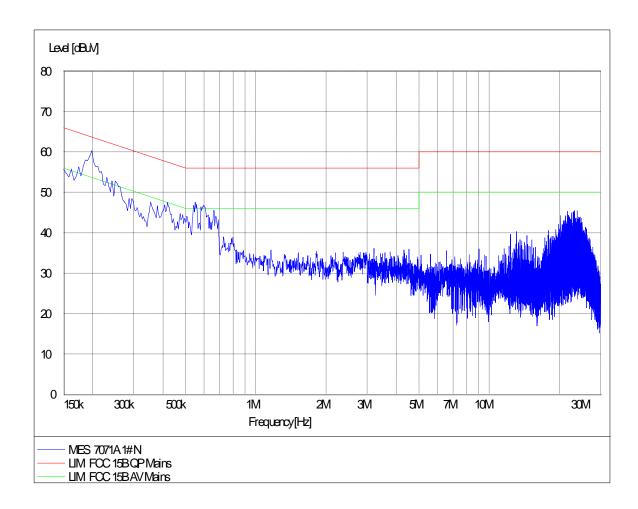
Manufacturer:

Operating Condition: Charging and Transmiting

Test Site: Operator:

Test Specification: N

Comment: AC 120V/60Hz
Comment: Adaptor: 1#



Report No.: WT178004536 Page 14 of 62

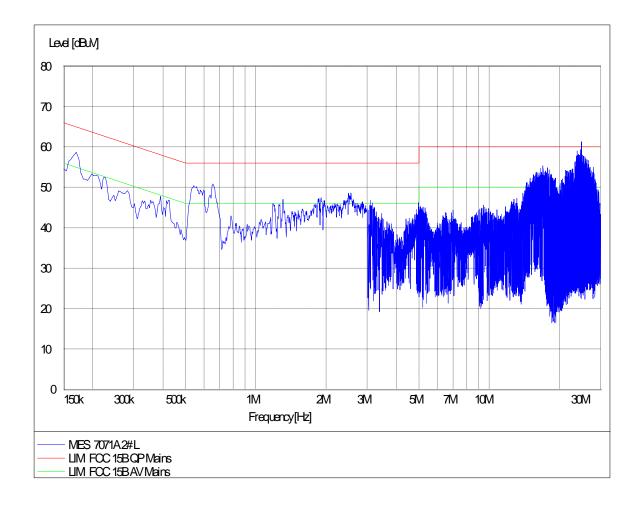
Manufacturer:

Operating Condition: Charging and Transmiting

Test Site: Operator:

Test Specification: L

Comment: AC 120V/60Hz Comment: Adaptor: 2#



Report No.: WT178004536 Page 15 of 62

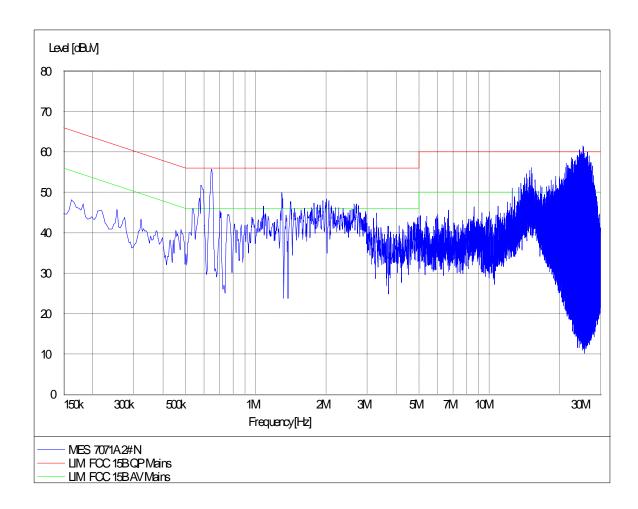
Manufacturer:

Operating Condition: Charging and Transmiting

Test Site: Operator:

Test Specification: N

Comment: AC 120V/60Hz Comment: Adaptor: 2#



Report No.: WT178004536 Page 16 of 62

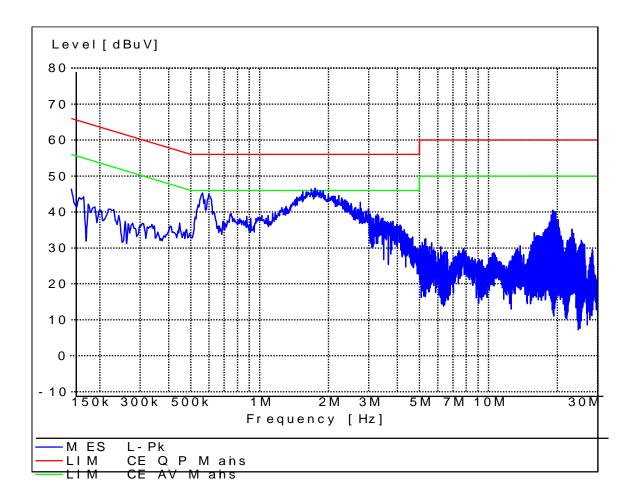
Manufacturer:

Operating Condition: Charging and Transmiting

Test Site: Operator:

Test Specification: L

Comment: AC 120V/60Hz Comment: Adaptor: 3#



Report No.: WT178004536 Page 17 of 62

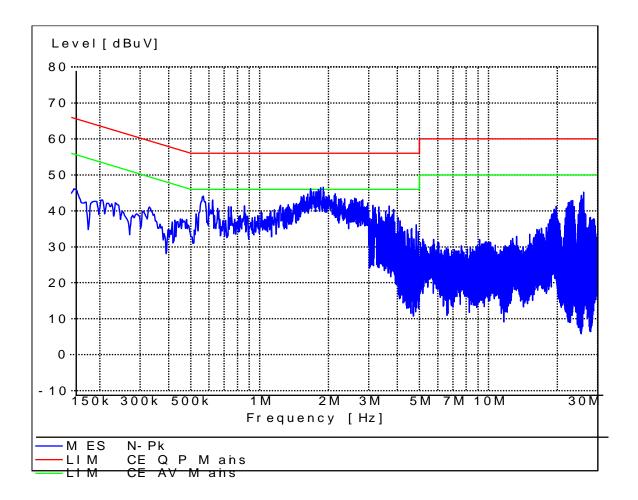
Manufacturer:

Operating Condition: Charging and Transmiting

Test Site: Operator:

Test Specification: N

Comment: AC 120V/60Hz Comment: Adaptor: 3#



Report No.: WT178004536 Page 18 of 62

6. RADIATED DISTURBANCE TEST

6.1. Test Standard and Limit

6.1.1.Test Standard

FCC Part 15 15.209

6.1.2.Test Limit

Table 8 Radiation Disturbance Test Limit for FCC (Class B)(9KHz-1GHz)

Frequency	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

Table 9 Radiation Disturbance Test Limit for FCC (Class B)(Above 1G)

Frequency (MHz)	(dBuV/m) (at 3 meters)		
Frequency (WiFi2)	PEAK	AVERAGE	
Above 1000	74	54	

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

6.2. Test Procedure

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurementbelow 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUTdistance is 3 meters. The EUT is configured in accordance with ANSI C63.10-2013. The EUT is set totransmit 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 values₀ 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.

Report No.: WT178004536 Page 19 of 62

^{*} The test distance is 3m.

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.

Report No.: WT178004536 Page 20 of 62

Adaptor 1# for EUT: UC11US TENPAO

9KHz-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 10 Radiated Emission Test Data 9k Hz-30MHz

Loss(dB	Antenna Factor(d B)	Readings(d BµV/m)	Level(dBµ V/m)	Polanty(n/v)	Turntable Angle(de g)	Antenna Height(m)	Limits(dBµV/m)	Margin(d B)

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 11 Radiated Emission Test Data 30MHz-1GHz

Frequency MHz		Antenna Factor(d B)	Readings(d BµV/m)	Level(dBµ V/m)	1)	Turntable Angle(de g)	Antenna Height(m)	Limits(dBµV/m)	Margin(d B)
32.271	0.7	12.3	6.7	19.7	Н	10	2.0	40	20.3
47.496	0.8	13.6	-2.6	11.8	Н	0	1.0	40	28.2
76.651	1.0	7.8	4.7	13.5	Н	10	1.0	40	26.5
96.171	1.1	12.8	0.4	14.3	Н	40	1.0	43.5	29.2
173.855	1.5	9.0	8.4	18.9	Н	30	2.0	43.5	24.6
211.353	1.8	10.6	19.2	31.6	Н	60	2.0	43.5	11.9
31.211	0.6	12.3	12.2	25.1	V	10	1.0	40	14.9
37.991	0.7	12.3	18.8	31.8	V	30	1.0	40	8.2
45.589	0.8	13.6	12.2	26.6	V	330	1.0	40	13.4
86.371	1.1	10.3	8.4	19.8	V	10	1.0	40	20.2
105.160	1.2	13.2	7.2	21.6	V	30	1.0	43.5	21.9
211.553	1.8	10.6	20.8	33.2	V	70	1.0	43.5	10.3

Report No.: WT178004536 Page 21 of 62

Adaptor for 2# EUT: UC11US BYD

9KHz-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 12 Radiated Emission Test Data 9k Hz-30MHz

Loss(dB	Antenna Factor(d B)	Readings(d BµV/m)	Level(dBµ V/m)	Polanty(n/v)	Turntable Angle(de g)	Antenna Height(m)	Limits(dBµV/m)	Margin(d B)

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 13 Radiated Emission Test Data 30MHz-1GHz

Frequency MHz	Loss(dB			Level(dBµ V/m)	Polarity(H/V)	Turntable Angle(de g)	Antenna Height(m)	Limits(dBµV/m)	Margin(d B)
30.020	0.6	12.3	23.8	36.7	V	10	1.0	40	3.3
35.511	0.6	12.3	18.7	31.6	V	30	1.0	40	8.4
43.376	0.7	13.6	3.0	17.3	V	30	1.0	40	22.7
100.443	1.1	13.2	1.7	16.0	V	340	1.0	43.5	27.5
161.314	1.5	8.7	3.4	13.6	V	10	1.0	43.5	29.9
209.923	1.7	10.6	19.2	31.5	V	30	1.0	43.5	12.0
30.020	0.6	12.3	10.5	23.4	Н	10	2.0	40	16.6
35.310	0.6	12.3	2.7	15.6	Н	40	2.0	40	24.4
53.890	0.8	13.3	-0.7	13.4	Н	10	2.0	40	26.6
94.148	1.1	11.9	3.7	16.7	Н	0	1.0	43.5	26.8
161.521	1.5	8.7	3.4	13.6	Н	310	1.0	43.5	29.9
209.898	1.7	10.6	16.8	29.1	Н	40	2.0	43.5	14.4

Report No.: WT178004536 Page 22 of 62

Adaptor 3# for EUT: UC13EU BYD

9KHz-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 14 Radiated Emission Test Data 9k Hz-30MHz

Loss(dB	Antenna Factor(d B)	Readings(d BµV/m)	Level(dBµ V/m)	Polanty(⊓/v)	Turntable Angle(de g)	Antenna Height(m)	Limits(dBµV/m)	Margin(d B)

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 15 Radiated Emission Test Data 30MHz-1GHz

Frequency MHz			• •	Level(dBµ V/m)	Polarity(H/V	Turntable Angle(de g)	Antenna Height(m)	Limits(dBµV/m)	Margin(d B)
50.952	0.8	13.3	9.0	23.1	Н	30	1.0	40	16.9
86.648	1.1	10.3	16.1	27.5	Н	20	1.0	40	12.5
91.207	1.2	11.9	16.9	30.0	Н	30	2.0	43.5	13.5
150.571	1.4	8.3	16.9	26.6	Н	10	2.0	43.5	16.9
199.168	1.6	10.6	14.0	26.2	Н	20	2.0	43.5	17.3
269.299	2.0	12.1	20.0	34.1	Н	10	2.0	46	11.9
30.185	0.6	12.3	19.8	32.7	V	20	1.0	40	7.3
34.947	0.6	12.3	19.0	31.9	V	10	1.0	40	8.1
90.431	1.2	11.9	15.4	28.5	V	30	1.0	43.5	15.0
205.376	1.6	10.6	16.5	28.7	V	20	1.0	43.5	14.8
208.577	1.7	10.6	16.8	29.1	V	10	1.0	43.5	14.4
267.747	2.0	12.1	15.2	29.3	V	20	1.0	46	16.7

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

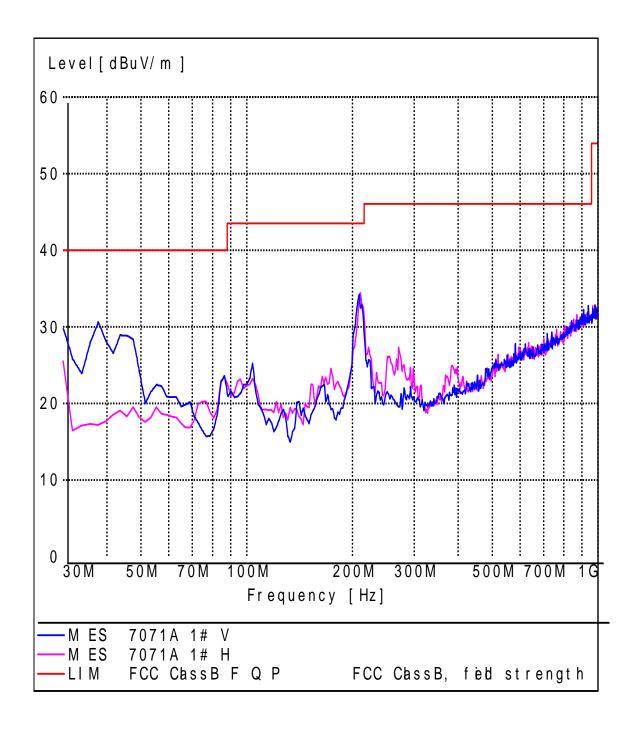
Report No.: WT178004536 Page 23 of 62

EUT Name: 7071A

Operating Condition: Charging and Transmiting

Test site: SMQ NETC EMC Lab. Antenna Position: Vertical & Horizontal

Comment: 120V/60Hz Comment: Adaptor: 1#



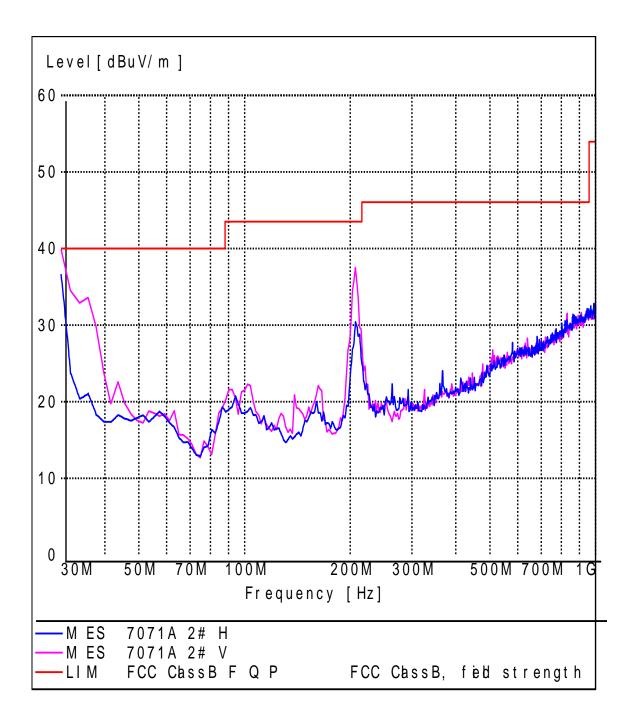
Report No.: WT178004536 Page 24 of 62

EUT Name: 7071A

Operating Condition: Charging and Transmiting

Test site: SMQ NETC EMC Lab. Antenna Position: Vertical & Horizontal

Comment: 120V/60Hz Comment: Adaptor: 2#



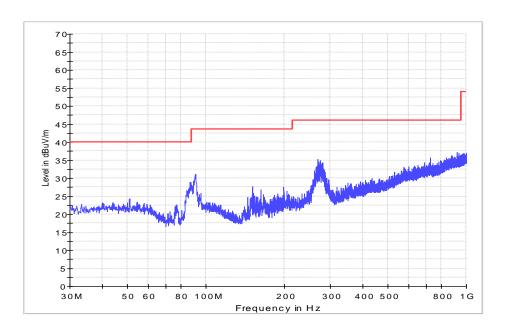
Report No.: WT178004536 Page 25 of 62

EUT Name: 7071A

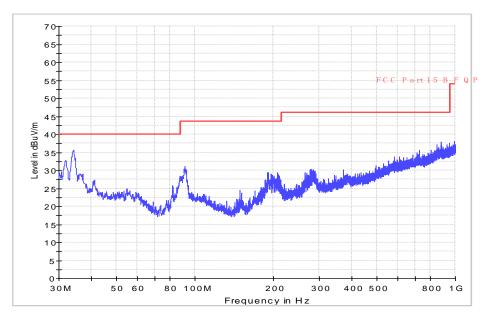
Operating Condition: Charging and Transmiting

Test site: SMQ NETC EMC Lab. Antenna Position: Vertical & Horizontal

Comment: 120V/60Hz Comment: Adaptor: 3#



(Horizontal)



(Vertical)

Report No.: WT178004536 Page 26 of 62

1GHz-18GHz BDR CH0

Radiated Emission

EUT Information

EUT Model Name: 7071A

Operation mode: BT DH1 CH0 TX

Test Voltage: Comment:

Common Information

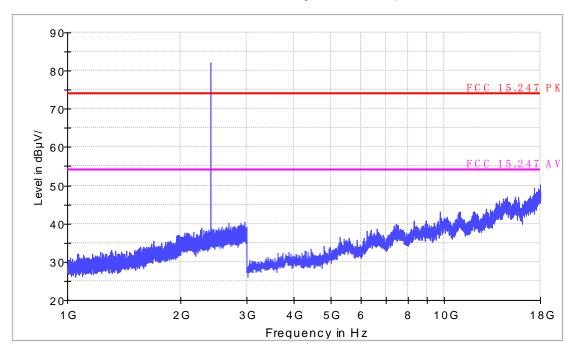
Test Site: SMQ EMC Lab.

Environment

Antenna Polarization: Horizontal

Operator Name: Comment:

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Report No.: WT178004536 Page 27 of 62

EUT Information

EUT Model Name: 7071A

Operation mode: BT DH1 CH0 TX

Test Voltage: Comment:

Common Information

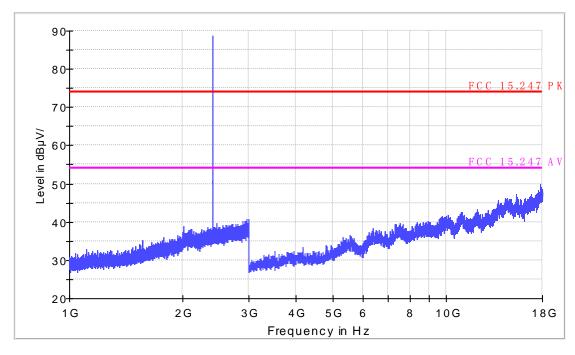
Test Site: SMQ EMC Lab.

Environment

Antenna Polarization: Vertical

Operator Name: Comment:

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Report No.: WT178004536 Page 28 of 62

1GHz-18GHz BDR CH39

Radiated Emission

EUT Information

EUT Model Name: 7071A

Operation mode: BT DH1 CH39 TX

Test Voltage: Comment:

Common Information

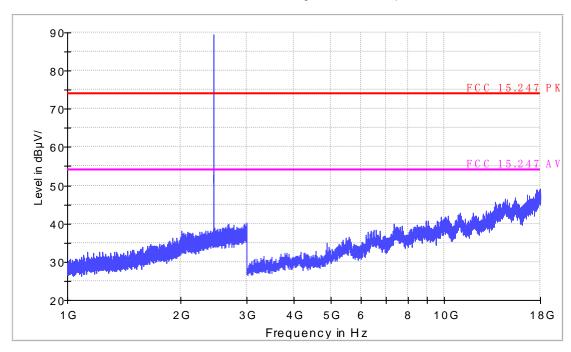
Test Site: SMQ EMC Lab.

Environment

Antenna Polarization: Horizontal

Operator Name: Comment:

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Report No.: WT178004536 Page 29 of 62

EUT Information

EUT Model Name: 7071A

Operation mode: BT DH1 CH39 TX

Test Voltage: Comment:

Common Information

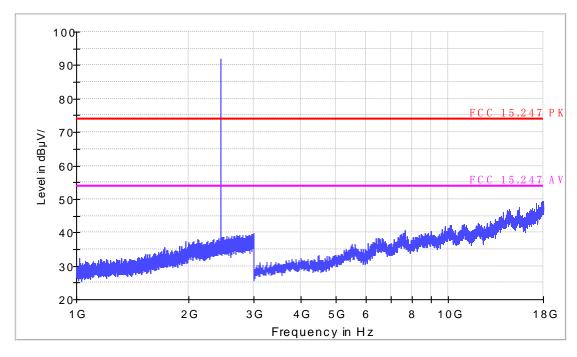
Test Site: SMQ EMC Lab.

Environment

Antenna Polarization: Vertical

Operator Name: Comment:

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Report No.: WT178004536 Page 30 of 62

1GHz-18GHz BDR CH78

Radiated Emission

EUT Information

EUT Model Name: 7071A

Operation mode: BT DH1 CH78 TX

Test Voltage: Comment:

Common Information

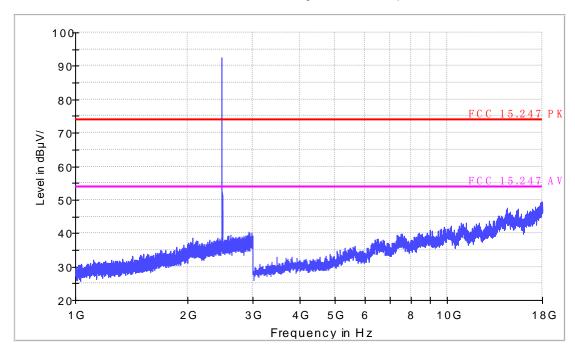
Test Site: SMQ EMC Lab.

Environment

Antenna Polarization: Horizontal

Operator Name: Comment:

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Report No.: WT178004536 Page 31 of 62

EUT Information

EUT Model Name: 7071A

Operation mode: BT DH1 CH78 TX

Test Voltage: Comment:

Common Information

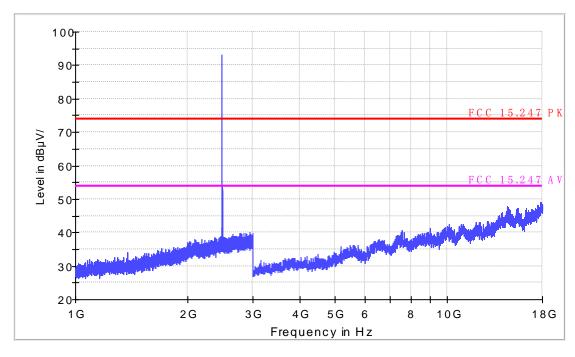
Test Site: SMQ EMC Lab.

Environment

Antenna Polarization: Vertical

Operator Name: Comment:

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Report No.: WT178004536 Page 32 of 62

1GHz-18GHz EDR CH0

Radiated Emission

EUT Information

EUT Model Name: 7071A

Operation mode: BT 3-DH1 CH0 TX

Test Voltage: Comment:

Common Information

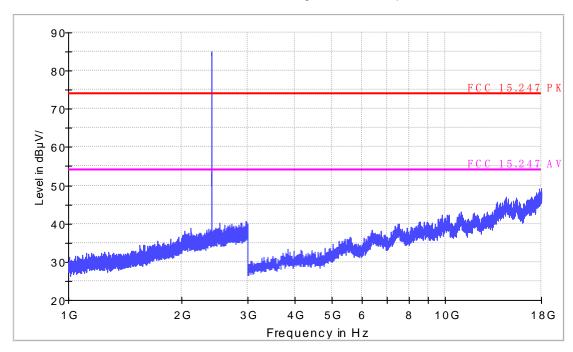
Test Site: SMQ EMC Lab.

Environment

Antenna Polarization: Horizontal

Operator Name: Comment:

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Report No.: WT178004536 Page 33 of 62

EUT Information

EUT Model Name: 7071A

Operation mode: BT 3-DH1 CH0 TX

Test Voltage: Comment:

Common Information

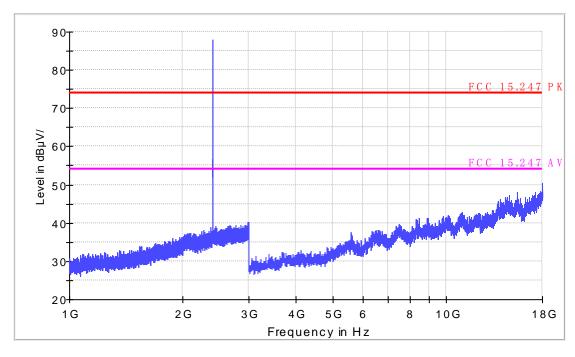
Test Site: SMQ EMC Lab.

Environment

Antenna Polarization: Vertical

Operator Name: Comment:

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Report No.: WT178004536 Page 34 of 62

1GHz-18GHz EDR CH39

Radiated Emission

EUT Information

EUT Model Name: 7071A

Operation mode: BT 3-DH1 CH39 TX

Test Voltage: Comment:

Common Information

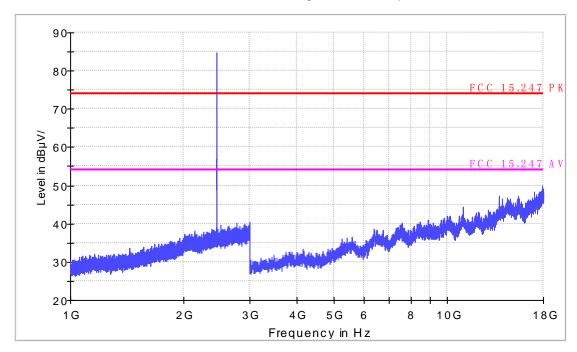
Test Site: SMQ EMC Lab.

Environment

Antenna Polarization: Horizontal

Operator Name: Comment:

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Report No.: WT178004536 Page 35 of 62

EUT Information

EUT Model Name: 7071A

Operation mode: BT 3-DH1 CH39 TX

Test Voltage: Comment:

Common Information

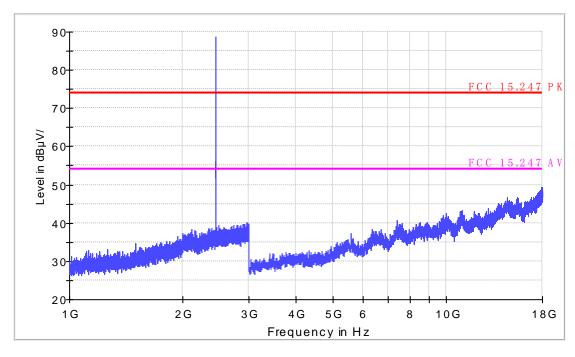
Test Site: SMQ EMC Lab.

Environment

Antenna Polarization: Vertical

Operator Name: Comment:

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Report No.: WT178004536 Page 36 of 62

1GHz-18GHz EDR CH78

Radiated Emission

EUT Information

EUT Model Name: 7071A

Operation mode: BT 3-DH1 CH78 TX

Test Voltage: Comment:

Common Information

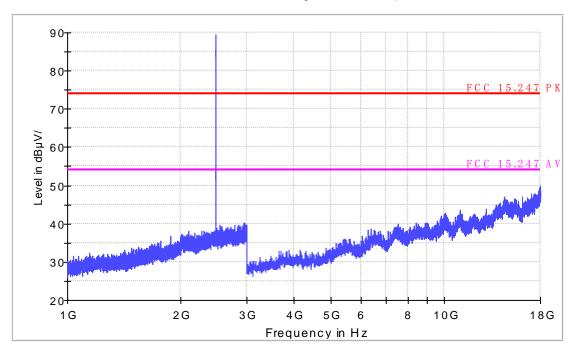
Test Site: SMQ EMC Lab.

Environment

Antenna Polarization: Horizontal

Operator Name: Comment:

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Report No.: WT178004536 Page 37 of 62

Radiated Emission

EUT Information

EUT Model Name: 7071A

Operation mode: BT 3-DH1 CH78 TX

Test Voltage: Comment:

Common Information

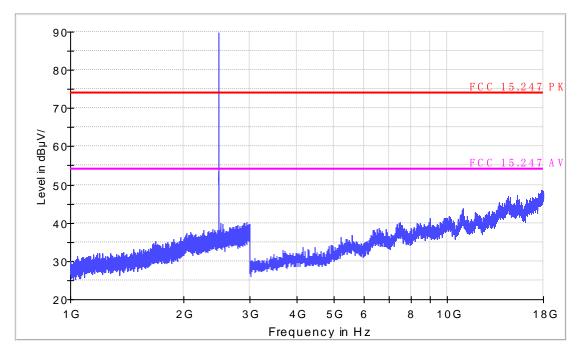
Test Site: SMQ EMC Lab.

Environment

Antenna Polarization: Vertical

Operator Name: Comment:

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Report No.: WT178004536 Page 38 of 62

18-25GHz No Peak found in pre-scan, only worst case result is listed in this report.

19

20

18

70-65-60-70-80-80-45-40-35-

21

22

Frequency in GHz

23

24

25

FCC Electric Field Strength 18-26.5GHz

Report No.: WT178004536 Page 39 of 62

Table 16 Restricted Band Radiated Emission Data

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	
6.31175 - 6.31225	123 - 138	2200 - 2300	
8.291 - 8.294	149.9 - 150.05	2310 - 2390	
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	
12.29 - 12.293	167.72 - 173.2	3332 - 3339	
12.51975 -	240 - 285	3345.8 - 3358	
12.52025	322 - 335.4	3600 - 4400	
12.57675 -			
12.57725			
13.36 - 13.41			

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

Report No.: WT178004536 Page 40 of 62

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

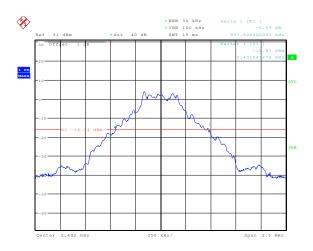


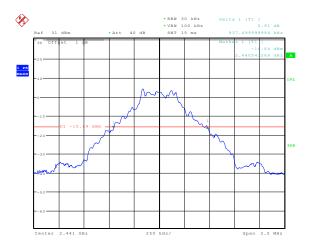
7.4. Test Data

Report No.: WT178004536 Page 41 of 62

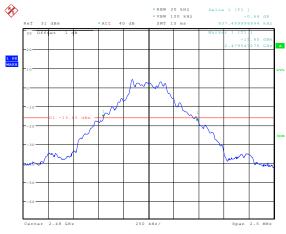
Table 17 20dB Bandwidth Test Data Modulation: GFSK

CHANNEL	20dB	
FREQUENCY	BANDWIDTH	results
(MHz)	(MHz)	
2402	0.9375	Pass
2441	0.9375	Pass
2480	0.9375	Pass





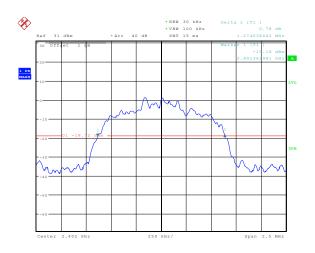
Date: 28.AUG.2017 14:48:55 Date: 28.AUG.2017 14:51:00

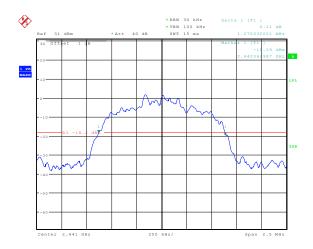


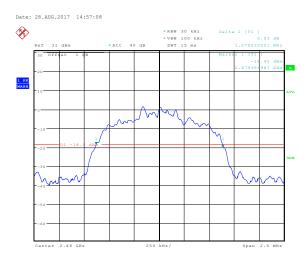
Date: 28.AUG.2017 14:52:16

Table 18 20dB Bandwidth Test Data Modulation: 8DPSK

CHANNEL	20dB				
FREQUENCY	BANDWIDTH	results			
(MHz)	(MHz)				
2402	1.2740	Pass			
2441	1.2700	Pass			
2480	1.2700	Pass			







Date: 28.AUG.2017 14:58:38

Date: 28.AUG.2017 15:00:30

8. CARRIER FREQUENCY SEPARATION MEASUREMENT

8.1.LIMITS OF CARRIER FREQUENCY SEPARATION MEASUREMEN

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 PROCEDURES

- (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



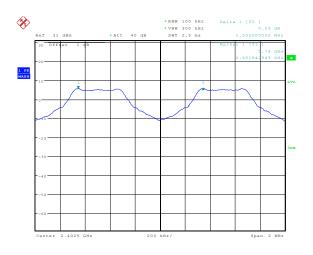
8.4. Test Data

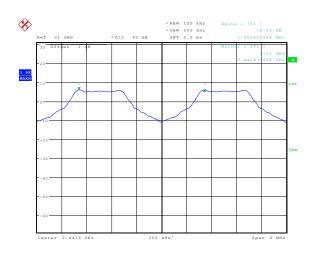
Report No.: WT178004536 Page 44 of 62

BDR

Table 19 Carrier Frequencies Separation

rable to Carrier i requerieles coparation					
Frequency	Frequency	frequency	Limit	Result	
[GHz]	[GHz]	separation			
		[MHz]	[MHz]		
2. 402	2. 403	1. 000	0. 625	Pass	
2. 440	2. 441	1. 006	0. 625	Pass	
2. 479	2. 480	1.000	0. 625	Pass	





Page 45 of 62



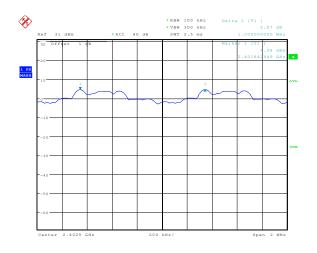
Date: 28.AUG.2017 15:07:56

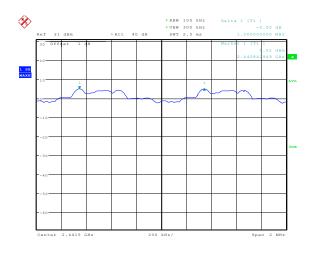
Date: 28.AUG.2017 15:06:28

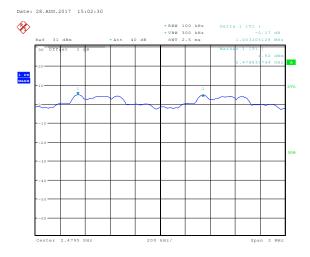
EDR

Table 20 Carrier Frequencies Separation

	Table 20 C	arrier i requ		cparation
Frequency	Frequency	frequency	Limit	Result
[GHz]	[GHz]	separation		
		[MHz]	[MHz]	
2. 402	2. 403	1.000	0.845	Pass
2. 440	2. 441	1.000	0.845	Pass
2. 479	2. 480	1.003	0.845	Pass







Date: 28.AUG.2017 15:03:45

Date: 28.AUG.2017 15:05:02

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



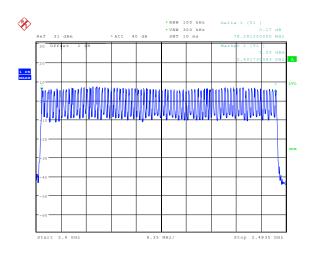
Report No.: WT178004536 Page 47 of 62

9.4. Test Data

Table 21 Hopping Channel Number Test Data

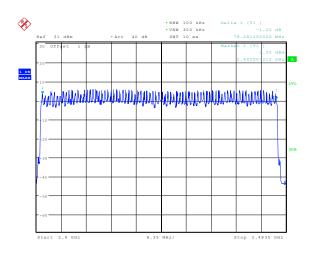
Hopping numbers	LIMIT	results
79	>15	Pass

BDR



Date: 28 AUG. 2017 16:11:16

EDR



Date: 28.AUG.2017 16:13:46

10. TIME OF OCCUPANCY

10.1.LIMITS OF TIME OF 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.

Report No.: WT178004536 Page 49 of 62

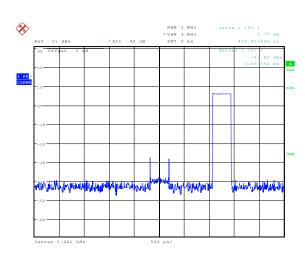
10.3.TEST RESULTS

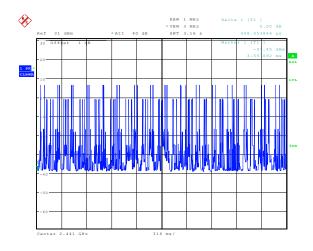
GFSK

Table 22 Time of Occupancy

	Time of Single Slot [ms]	of slots	Time of occupied in a period [s]	Limit [s]	Result
DH1	0. 409	32	0. 1309	≤ 0.4	Pass
DH3	1. 683	17	0. 2861	≤ 0.4	Pass
DH5	2. 933	13	0. 3813	≤ 0.4	Pass

DH1

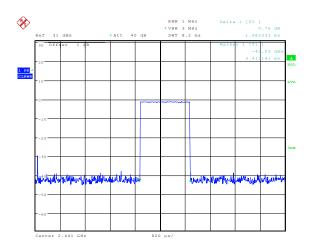


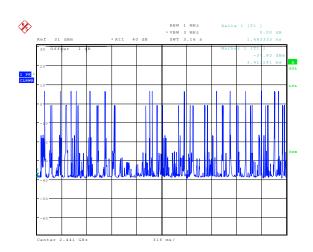


Date: 28.AUG.2017 16:25:25

Date: 28.AUG.2017 16:25:45

DH3



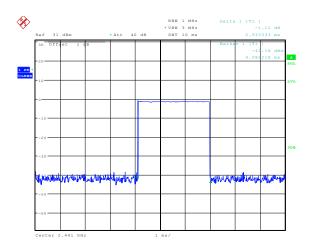


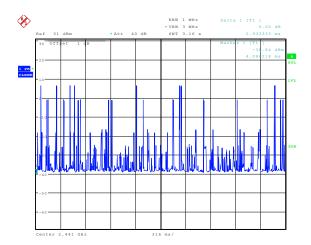
Date: 28.AUG.2017 16:27:01

Date: 28.AUG.2017 16:27:25

Report No.: WT178004536 Page 50 of 62

DH5





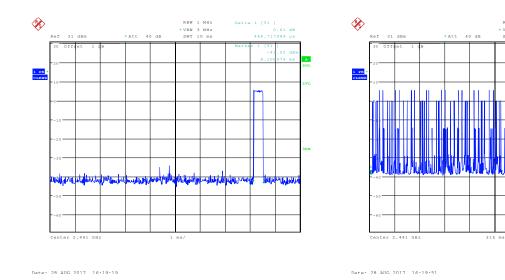
Date: 28.AUG.2017 16:28:11 Date: 28.AUG.2017 16:28:50

8DPSK

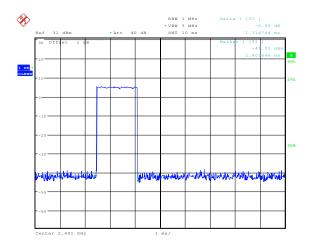
Table 23 Time of Occupancy

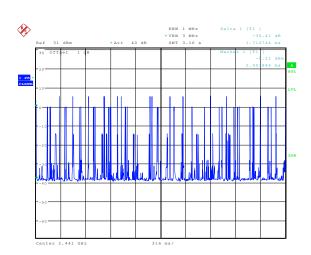
	Time of Single Slot [ms]	of slots	Time of occupied in a period [s]	Limit [s]	Result
3-DH1	0. 449	34	0. 1527	≤ 0.4	Pass
3-DH3	1. 715	16	0. 2744	≤ 0.4	Pass
3-DH5	2. 917	10	0. 2917	≤ 0.4	Pass

3-DH1



3-DH3

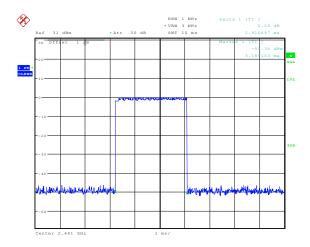


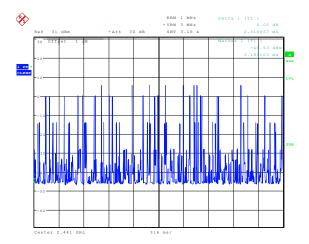


Date: 28.AUG.2017 16:21:02 Date: 28.AUG.2017 16:21:43

Report No.: WT178004536 Page 52 of 62

3-DH5





Date: 31.AUG.2017 14:59:38 Date: 31.AUG.2017 15:00:37

11. PEAK POWER

11.1.LIMITS OF Peak Power

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.

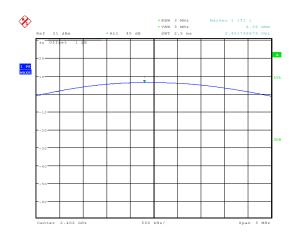
11.3.TEST RESULTS

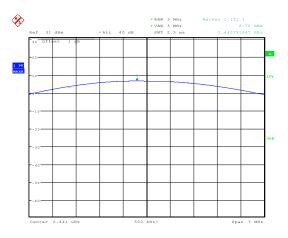
Report No.: WT178004536 Page 54 of 62

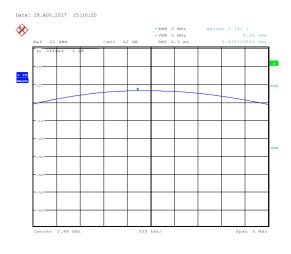
BDR

Table 24 Peak Power Test Data

10000 = 11 0000 1000 2000					
Channe1				Limit [dBm]	Result
Bottom	0	2402	6. 36	< 30	Pass
Middle	39	2441	6. 70	< 30	Pass
Тор	78	2480	6.60	< 30	Pass







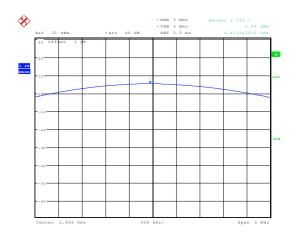
Date: 28.AUG.2017 15:10:51

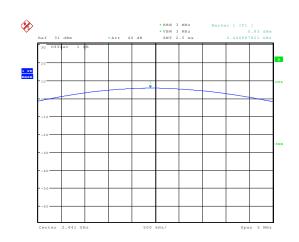
Date: 28.AUG.2017 15:11:27

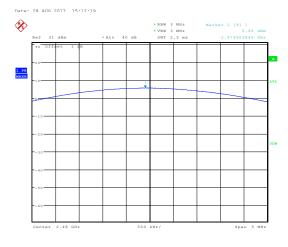
EDR

Table 25 Peak Power Test Data

10000 = 0 1 0000 1 000 2 000					
Channe1				Limit [dBm]	Result
Bottom	0	2402	5. 49	< 21	Pass
Middle	39	2441	5. 83	< 21	Pass
Тор	78	2480	5. 66	< 21	Pass







Date: 28 AUG 2017 15:13:34

Date: 28.AUG.2017 15:14:00

12. BAND EDGES MEASUREMENT

12.1.Limits of Band Edges Measurement

Below –20dB of the highest emission level of operating band (in 100kHz 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) PEAK: RBW=VBW=1MHz / Sweep=AUTO
- (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO
- 5. Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are measured.

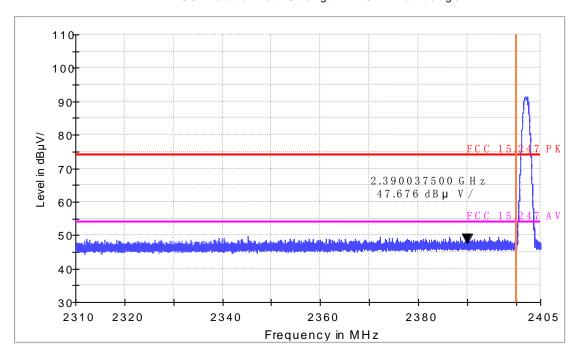
12.3.Test Results

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

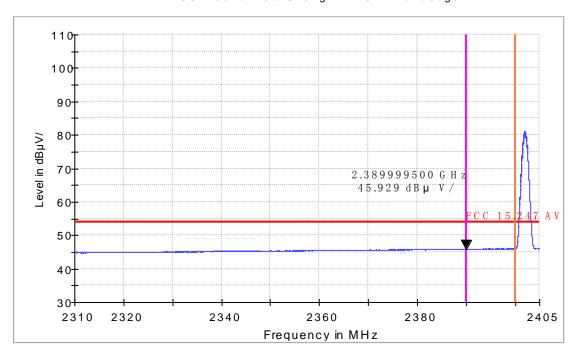
Report No.: WT178004536 Page 57 of 62

Bluetooth Basic Rate Low edge Horizontal

FCC Electric Field Strength 2.4GHz Bandedge-PK



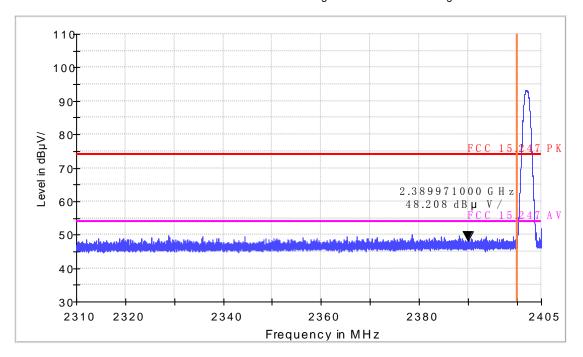
FCC Electric Field Strength 2.4GHz Bandedge-AV



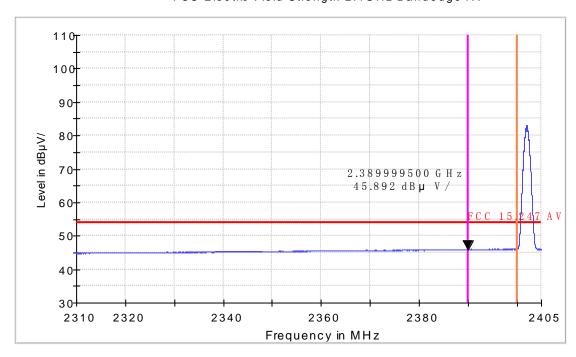
Report No.: WT178004536 Page 58 of 62

Vertical

FCC Electric Field Strength 2.4GHz Bandedge-PK

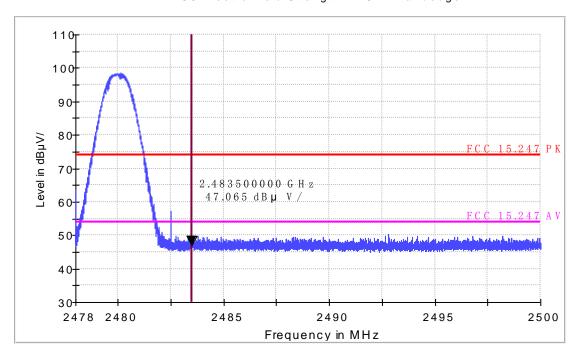


FCC Electric Field Strength 2.4GHz Bandedge-AV

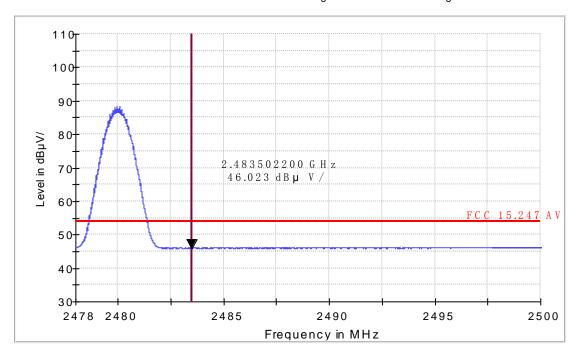


Upper Edge Horizontal

FCC Electric Field Strength 2.4GHz Bandedge-PK



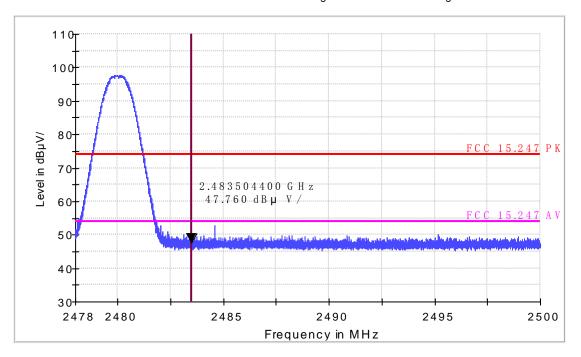
FCC Electric Field Strength 2.4GHz Bandedge-AV



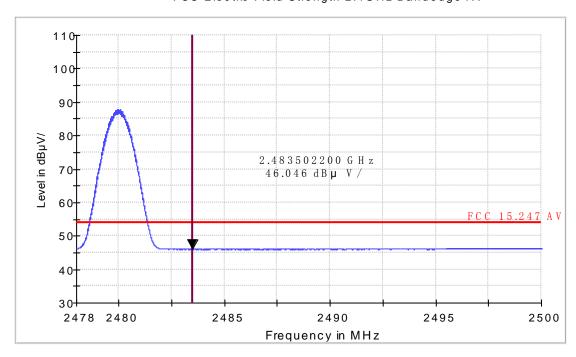
Report No.: WT178004536 Page 60 of 62

Vertical

FCC Electric Field Strength 2.4GHz Bandedge-PK



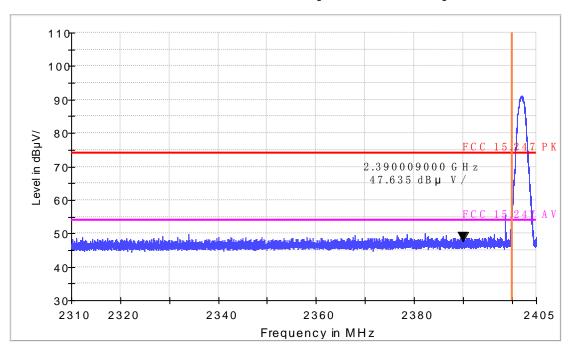
FCC Electric Field Strength 2.4GHz Bandedge-AV



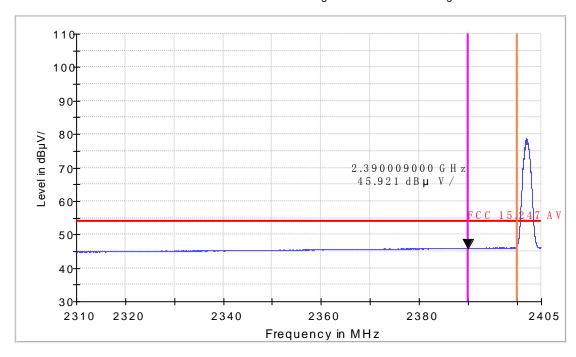
Bluetooth EDR Low edge

Horizontal

FCC Electric Field Strength 2.4GHz Bandedge-PK



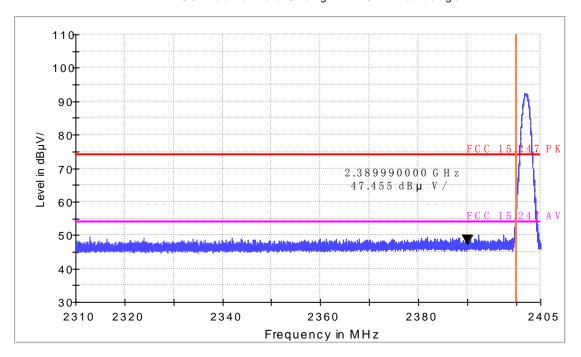
FCC Electric Field Strength 2.4GHz Bandedge-AV



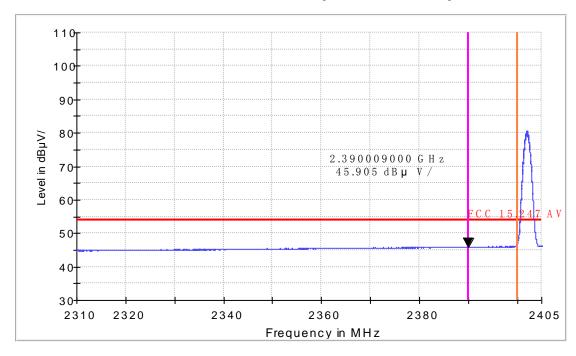
Report No.: WT178004536 Page 62 of 62

Vertical

FCC Electric Field Strength 2.4GHz Bandedge-PK



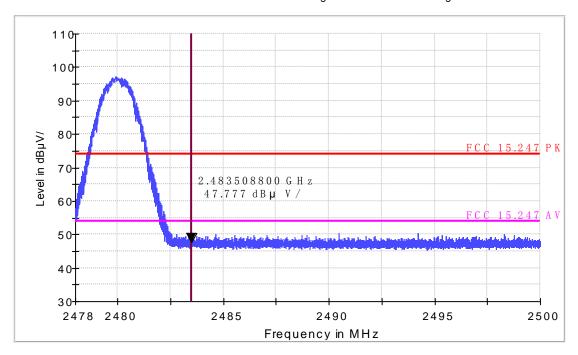
FCC Electric Field Strength 2.4GHz Bandedge-AV



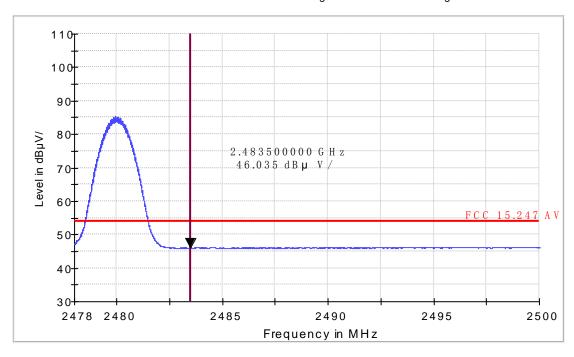
Report No.: WT178004536 Page 63 of 62

Bluetooth EDR
Upper edge
Horizontal

FCC Electric Field Strength 2.4GHz Bandedge-PK



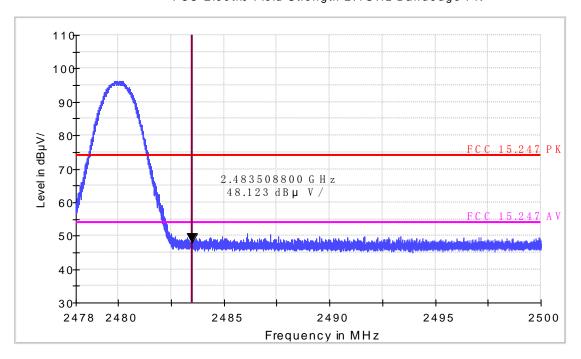
FCC Electric Field Strength 2.4GHz Bandedge-AV



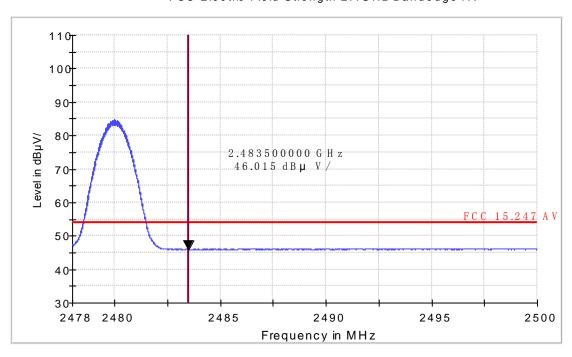
Report No.: WT178004536 Page 64 of 62

Vertical

FCC Electric Field Strength 2.4GHz Bandedge-PK



FCC Electric Field Strength 2.4GHz Bandedge-AV



Report No.: WT178004536 Page 65 of 62

13. CONDUCTED SPURIOUS EMISSIONS

13.1.Limits of Band Edges Measurement

lowest, middle, and highest channels.

Below –20dB of the highest emission level of operating band (in 100kHz 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

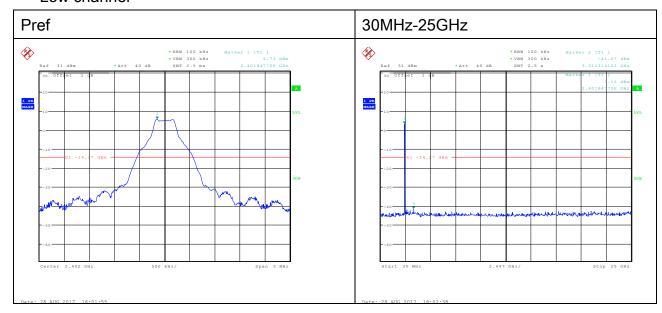
The bandedges at 2.4 and 2.4835 GHz are investigated with the transmitter set to the normal

13.3.TEST RESULTS

Report No.: WT178004536 Page 66 of 62

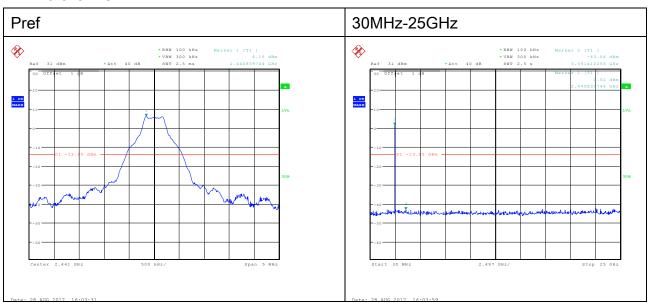
Bluetooth Basic

Low channel



Bluetooth Basic

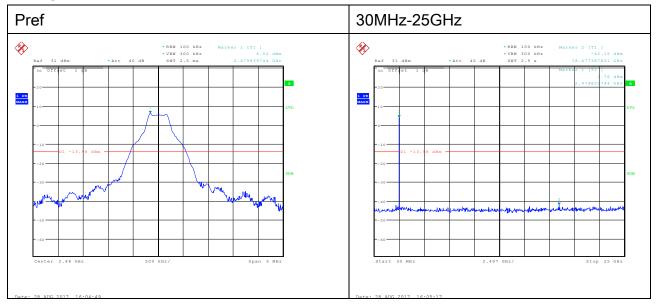
Mid channel



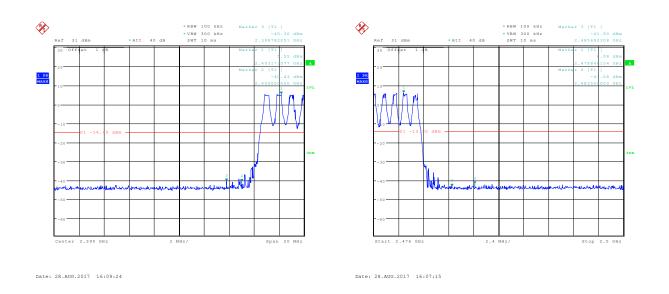
Report No.: WT178004536 Page 67 of 62

Bluetooth Basic

High Channel



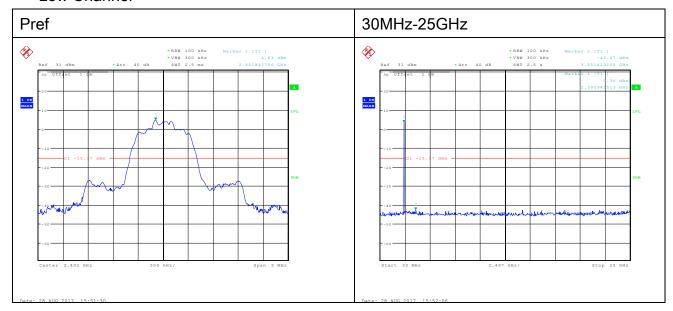
Bluetooth Basic Bandedge hopping On



Report No.: WT178004536 Page 68 of 62

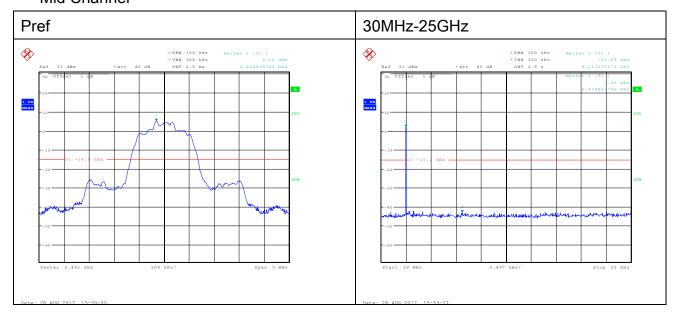
Bluetooth EDR

Low Channel



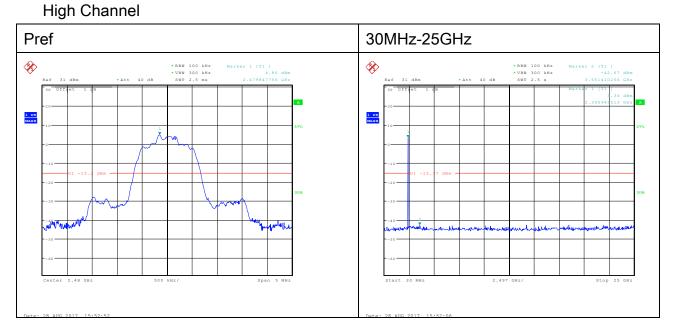
Bluetooth EDR

Mid Channel

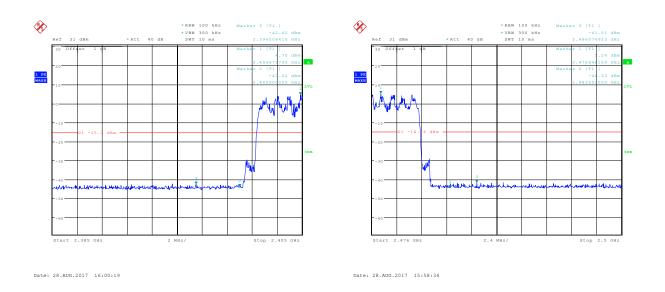


Report No.: WT178004536 Page 69 of 62

Bluetooth EDR



Bluetooth EDR Bandedge



Report No.: WT178004536 Page 70 of 62

14. ANTENNA REQUIREMENTS

14.1.Applicable requirements

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. 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 FCC rule.

14.2.Antenna Connector

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

14.3.Antenna Gain

The antenna gain of EUT is less than 6 dBi.

Report No.: WT178004536 Page 71 of 62