TEST REPORT

For

Mobile Phone

Model Number: RMX3491

FCC ID: 2AUYFRMX3491

Report Number : WT218003133

Test Laboratory : Shenzhen Academy of Metrology and Quality

Inspection

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

Report No.: WT218003133 Page 1 of 36

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. : RMX3491

Trade mark : realme

Serial Number : /

FCC ID : 2AUYFRMX3491

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: Dec.03, 2021

Dec.03, 2021

Report No.: WT218003133 Page 2 of 36

TABLE OF CONTENTS

TEST	REPORT DECLARATION	2
1.	TEST RESULTS SUMMARY	5
2.	GENERAL INFORMATION	6
	2.1. Report Information	6
	2.2. Laboratory Accreditation and Relationship to Customer	6
	2.3. Measurement Uncertainty	7
3.	PRODUCT DESCRIPTION	8
	3.1. EUT Description	
	3.2. Related Submittal(s) / Grant (s)	
	3.3. Block Diagram of EUT Configuration	
	3.4. Operating Condition of EUT	
	3.5. Directional Antenna Gain	
	3.7. Test Conditions	
	3.8. Special Accessories	
	3.9. Equipment Modifications	
4.	TEST EQUIPMENT USED	10
5.	6DB BANDWIDTH MEASUREMENT	11
	5.1. Limits of 6dB Bandwidth Measurement	11
	5.2. Test Procedure	11
	5.3. Test Setup	11
	5.4. Test Data	
6.	MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT	
	6.1. Limits of Maximum Conducted Output Power Measurement	
	6.2. Test Procedure	
	6.3. Test Setup	
7	6.4. Test Data	
7.	MAXIMUM POWER SPECTRAL DENSITY LEVEL MEASUREMENT	
	7.1. Limits of Maximum Power Spectral Density Level Measurement	
	7.3. Test Data	
8.	CONDUCTED BANDEDGE AND SPURIOUS MEASURMENT	
0.	8.1. Limits of Conducted Bandedge and Spurious Measurement	
	8.2. Test Procedure	
	8.3. Test Data	
9.	RADIATED BANDEDGE AND SPURIOUS MEASUREMENT	22
	9.1. Limits of Radiated Bandedge and Spurious Measurement	22
	9.2. Test Procedure	
	9.3. Test Data	
10.	CONDUCTED EMISSION TEST FOR AC POWER PORT MEASUREMENT	
	10.1. Test Standard and Limit	
	10.2. Test Procedure	33

	10.3.	Test Arrangement	33	
		Test Data		
11.	ANTENNA REQUIREMENTS			
	11.1.	Antenna Connector	36	
	11.2.	Antenna Gain	36	

1. TEST RESULTS SUMMARY

Table 1 Test Results Summary

Test Items	FCC Rules	Test Results
6dB DTS Bandwidth	15.247 (a) (2)	Pass
Maximum Peak Conducted Power	15.247 (b) (3)	Pass
Maximum Power Spectral Density Level	15.247 (e)	Pass
Conducted Bandedge and Spurious	15.247 (d)	Pass
Radiated Bandedge and Spurious	15.247 (d) 15.209 15.205	Pass
Conducted Emission Test for AC Power Port	15.207	Pass
Antenna Requirements	15.203	Pass

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

Report No.: WT218003133 Page 5 of 36

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.

Report No.: WT218003133 Page 6 of 36

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

Report No.: WT218003133 Page 7 of 36

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 : RMX3491

Operate Frequency : 2.402GHz~2.480GHz

Antenna Designation : PIFA Antenna: -0.29dBi

Operating voltage : DC3.45V (Low)/DC3.87V (Nominal)/DC4.45V (Max)

Software Version : realme UI V2.0

Hardware Version : 11

Remark: 1. There are five adapters, only the worst data of VCB3HDUH (4#) shown in

this report.

2. There are three batteries, only the worst data of BLP911 (1#) shown in this report.

Bluetooth Low Energy:

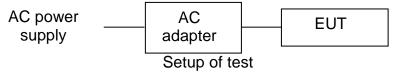
Table 2 Working Frequency List

Regulatory Range	RF Channels
2.400-2.4835 GHz	f=2402+k*2 MHz, k=0,,39

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

This submittal(s) (test report) is intended for FCC ID: **2AUYFRMX3491** filing to comply with Section 15.207, 15.209, 15.247 of the FCC Part 15, Subpart C Rules.

3.3. Block Diagram of EUT Configuration



3.4. Operating Condition of EUT

Worst-case mode and channel used for 30-1000 MHz radiated and power line conducted emissions was the mode and channel with the highest output power.

Worst-case data rates as provided by the client were:

Bluetooth low energy

Test mode is configured to be with duty cycle >98%

Report No.: WT218003133 Page 8 of 36

3.5. Directional Antenna Gain

Directional gain need NOT to be considered.

3.6. Support Equipment List

Table 3 Support Equipment List

Table o Support Equipment List							
Name	Model No.	S/N	Manufacturer				
Adapter 1# for EUT	VCB3HAUH		SHENZHEN HUNTKEY ELECTRIC CO LTD				
Adapter 2# for EUT	VCB3HAUH		Huizhou Golden Lake Industrial Co., Ltd.				
Adapter 3# for EUT	VCB3HDUH		SHENZHEN HUNTKEY ELECTRIC CO LTD				
Adapter 4# for EUT	VCB3HDUH		Huizhou Golden Lake Industrial Co., Ltd.				
Adapter 5# for EUT	VCB3HDUH		Dongguan YOHOO Electronic Technology Co., Ltd.				
Rechargeable Li-ion Polymer Battery 1# for EUT	BLP911		Sunwoda Electronic CO.,LTD				
Rechargeable Li-ion Polymer Battery 2# for EUT	BLP911		TWS Technology (Guangzhou) Limited				
Rechargeable Li-ion Polymer Battery 3# for EUT	BLP911		Chongqing CosMX Battery Co., Ltd.				
Earphone for EUT	MH156						
USB Cable for EUT							

3.7. Test Conditions

Date of test: Nov.02, 2021- Nov.25, 2021 Date of EUT Receive: Nov.01, 2021

Temperature: 22°C-25°C Relative Humidity: 44%-55%

3.8. Special Accessories

Not available for this EUT intended for grant.

3.9. Equipment Modifications

Not available for this EUT intended for grant.

Report No.: WT218003133 Page 9 of 36

4. TEST EQUIPMENT USED

Table 4 Test Equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
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.24,2021	1 Year
SB15044/01	Test Receiver	R&S	ESW8	Sep.14,2021	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
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
SB3435	Horn Antenna	R&S	HF906	Dec.16,2020	1 Year
SB9054/08	Broadband Antenna	Schwarzbeck	VULB 9163	Jan.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
SB8501/10	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
SB7941/02	Spectrum Analyzer	R&S	FSU26	May.17, 2021	1 Year

Table 5 Test software

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

Report No.: WT218003133 Page 10 of 36

5. 6DB BANDWIDTH MEASUREMENT

5.1. Limits of 6dB Bandwidth Measurement

CFR 47 (FCC) part 15.247 (a) (2), 558074 D01 DTS Meas Guidance v05r02

5.2. Test Procedure

The transmitter output was connected to the spectrum analyzer.

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) \geq 3 x RBW.
- c) Detector = Peak.
- d)Trace mode = max hold.
- e)Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.3. Test Setup

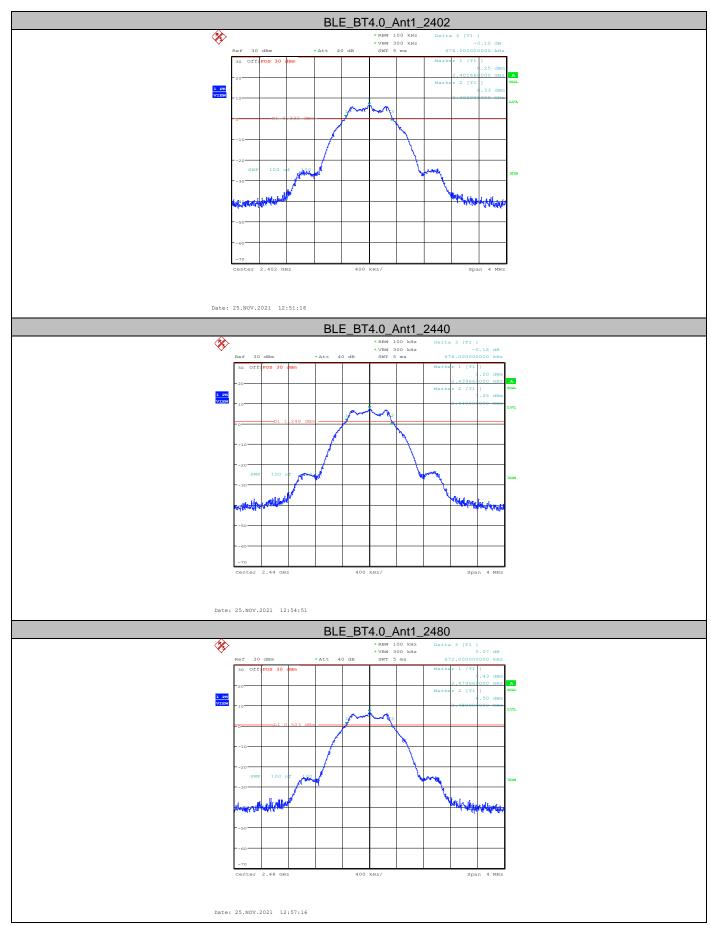


5.4. Test Data

Table 6 6dB Bandwidth Test Data BLE

Test Mode	Channel Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]	Result
	2402	0.676	>=0.50	Pass
BLE_4.0_1Mbps	2440	0.676	>=0.50	Pass
	2480	0.672	>=0.50	Pass

Report No.: WT218003133 Page 11 of 36



6. MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

6.1.Limits of Maximum Conducted Output Power Measurement

CFR 47 (FCC) part 15.247 (b) (3), 558074 D01 DTS Meas Guidance v05r02

6.2. Test Procedure

The transmitter output was connected to the spectrum analyzer.

- a)Set the RBW ≥ DTS bandwidth.
- b)Set VBW \geq 3 x RBW.
- c)Set span ≥ 3 x RBW
- d)Sweep time = auto couple.
- e)Detector = peak.
- f)Trace mode = max hold.
- g)Allow trace to fully stabilize.
- h)Use peak marker function to determine the peak amplitude level.

6.3. Test Setup

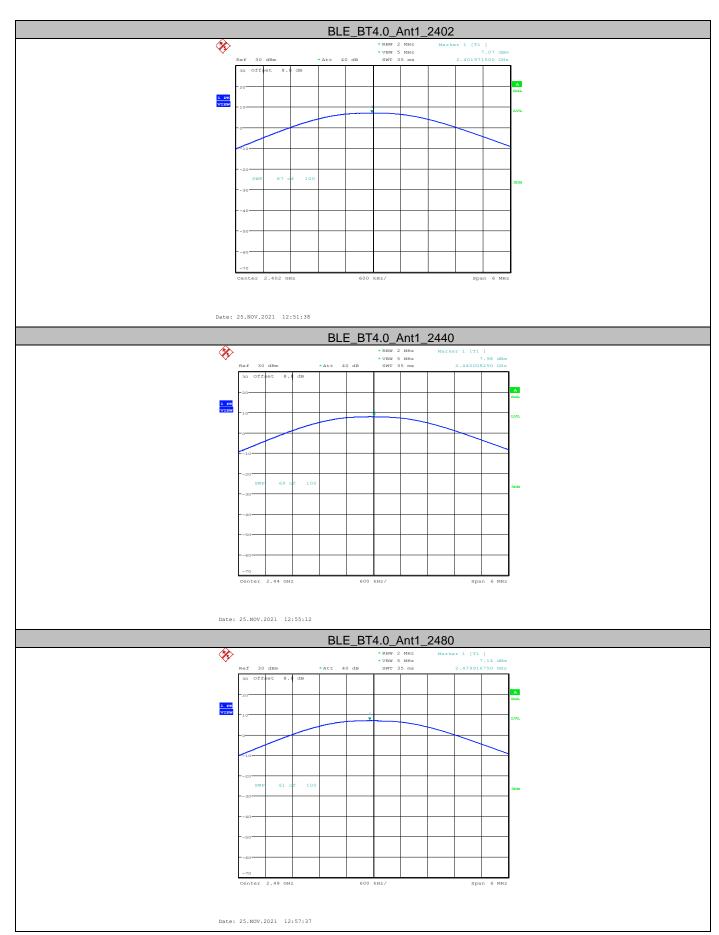


6.4. Test Data

Table 7 Maximum Conducted Output Power Test Data BLE

rabio i maximam conducted calpati ever rect bata bil							
Test Mode	Center Freq. [MHz]	Meas. Level (Cond.) [dBm]	Limit [dBm]	Result			
	2402	7.07	<=30	Pass			
BLE_4.0_1Mbps	2440	7.98	<=30	Pass			
	2480	7.14	<=30	Pass			

Report No.: WT218003133 Page 13 of 36



7. MAXIMUM POWER SPECTRAL DENSITY LEVEL MEASUREMENT

7.1. Limits of Maximum Power Spectral Density Level Measurement

CFR 47 (FCC) part 15.247 (e) , 558074 D01 DTS Meas Guidance v05r02

7.2. Test Procedure

The transmitter output was connected to the spectrum analyzer.

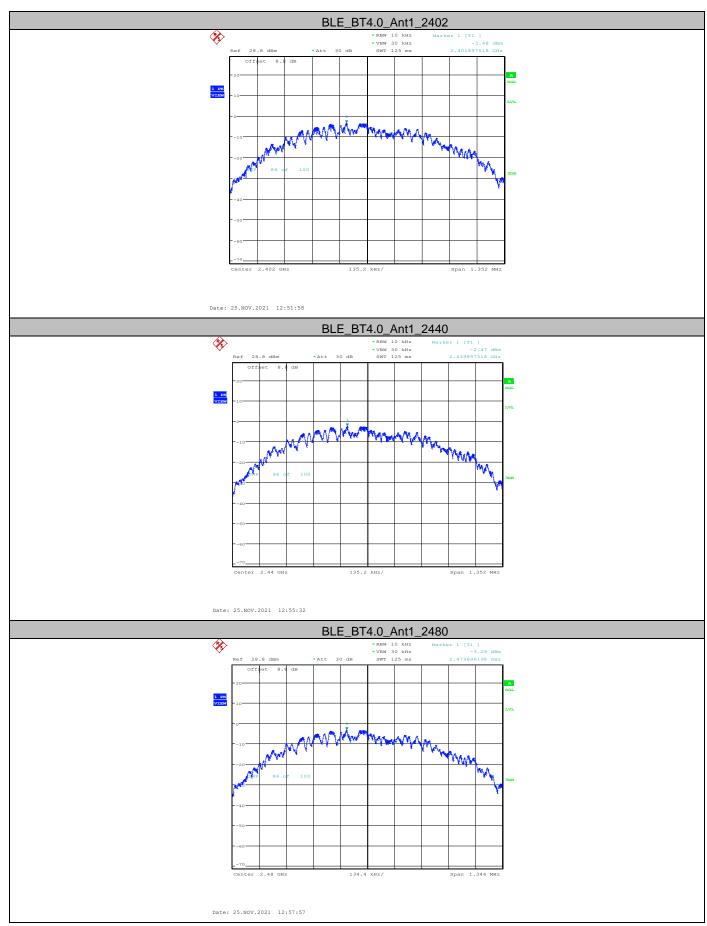
- a)Set analyzer center frequency to DTS channel center frequency.
- b) Set the span to 1.5 times the DTS bandwidth.
- c) Set RBW to: 3kHz≤RBW≤100 kHz.
- d) Set VBW \geq 3 x RBW.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h)Allow trace to fully stabilize.
- i)Use the peak marker function to determine the maximum amplitude level within the RRW
- j)If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

7.3. Test Data

Table 8 Maximum Power Spectral Density Level Test Data BLE

Test Mode	Freq.[MHz]	PSD [dBm]	Limit [dBm]	Result
	2402	-3.48	<=8	Pass
BLE_4.0_1Mbps	2440	-2.47	<=8	Pass
	2480	-3.29	<=8	Pass

Report No.: WT218003133 Page 15 of 36



8. CONDUCTED BANDEDGE AND SPURIOUS MEASURMENT

8.1. Limits of Conducted Bandedge and Spurious Measurement

CFR 47 (FCC) part 15.247 (d) and 558074 D01 DTS Meas Guidance v05r02

8.2. Test Procedure

The transmitter output was connected to the spectrum analyzer.

Establish a reference level by using the following procedure:

- a)Set instrument center frequency to DTS channel center frequency.
- b)Set the span to ≥ 1.5 times the DTS bandwidth.
- c)Set the RBW = 100 kHz.
- d)Set the VBW \geq 3 x RBW.
- e)Detector = peak.
- f)Sweep time = auto couple.
- g)Trace mode = max hold.
- h)Allow trace to fully stabilize.
- i)Use the peak marker function to determine the maximum PSD level.

Emission level measurement

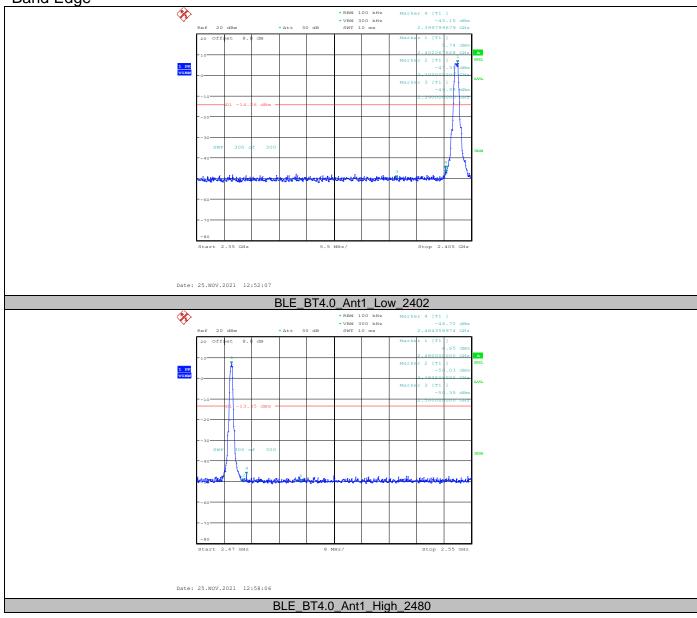
- a)Set the center frequency and span to encompass frequency range to be measured.
- b)Set the RBW = 100 kHz.
- c)Set the VBW \geq 3 x RBW.
- d)Detector = peak.
- e)Ensure that the number of measurement points ≥ span/RBW
- f)Sweep time = auto couple.
- g)Trace mode = max hold.
- h)Allow trace to fully stabilize.
- i)Use the peak marker function to determine the maximum amplitude level.

8.3. Test Data

Report No.: WT218003133 Page 17 of 36

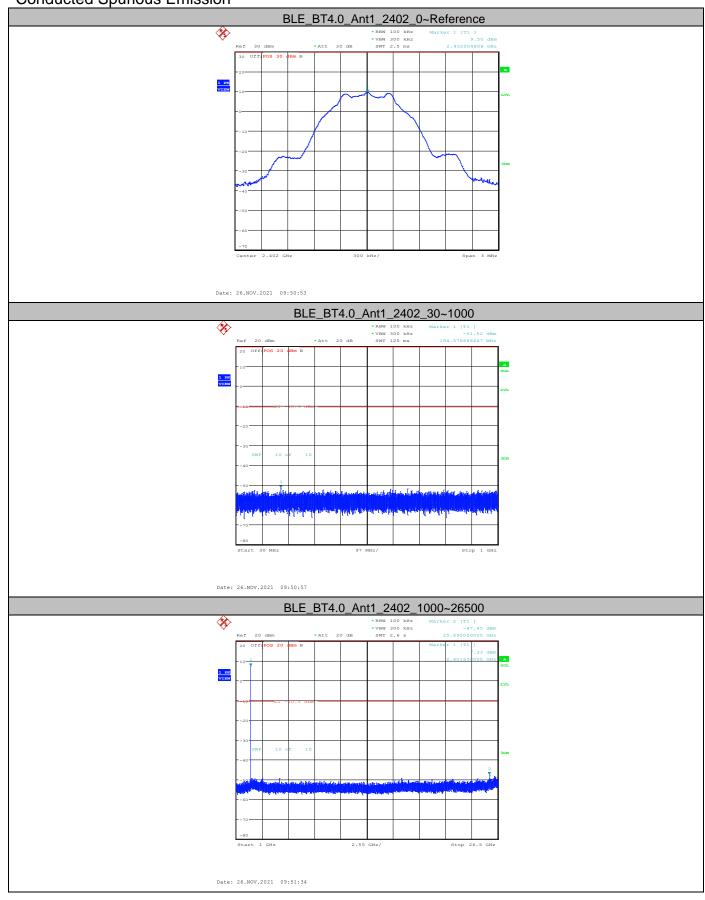
BLE_4.0_1Mbps



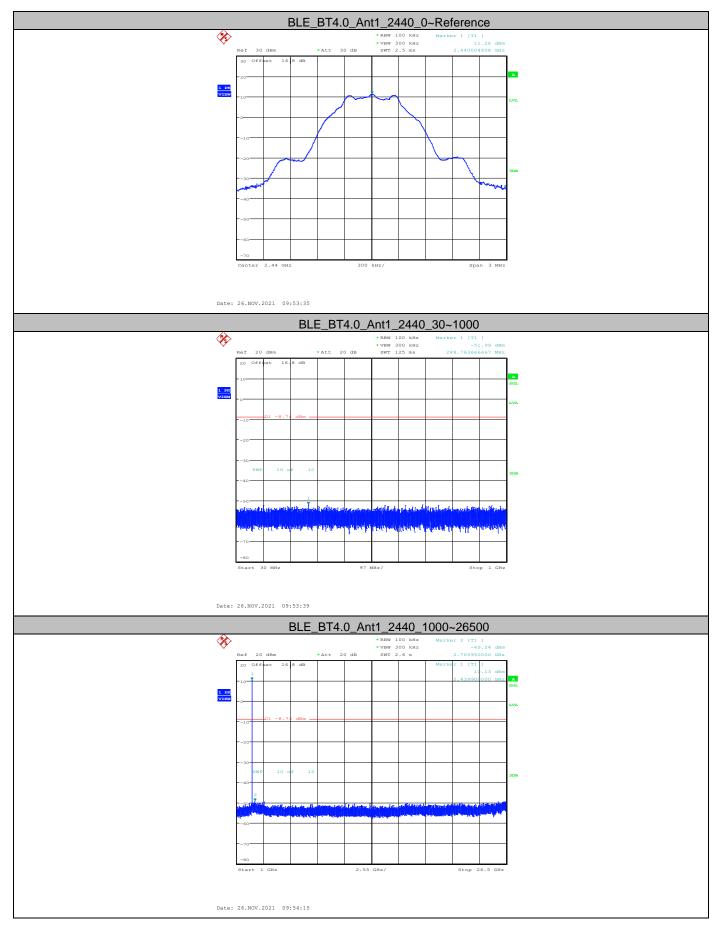


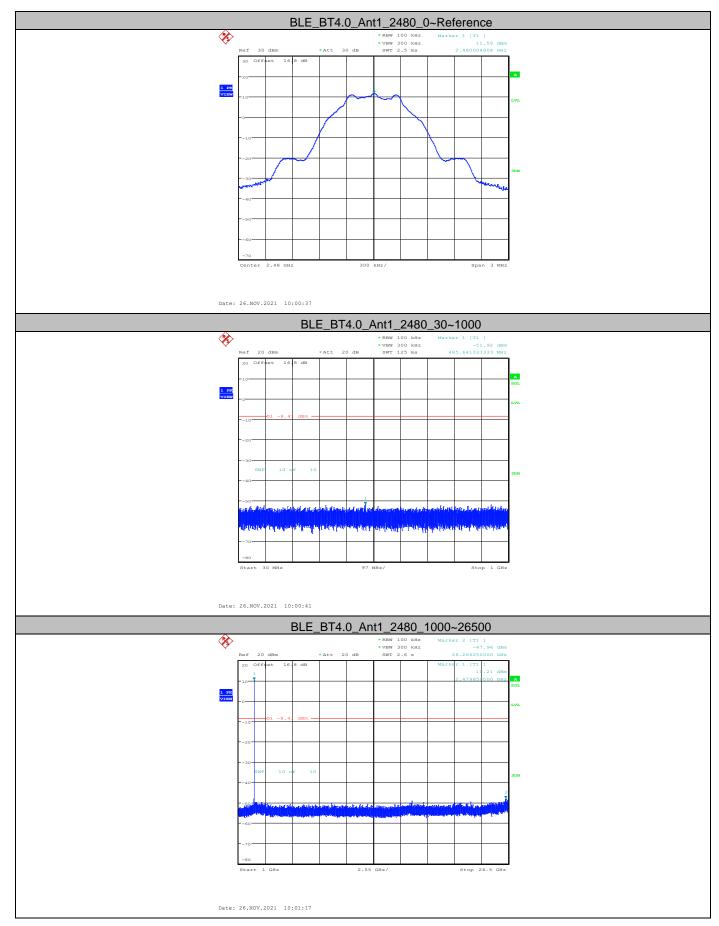
Report No.: WT218003133 Page 18 of 36

Conducted Spurious Emission



Report No.: WT218003133 Page 19 of 36





9. RADIATED BANDEDGE AND SPURIOUS MEASUREMENT

9.1. Limits of Radiated Bandedge and Spurious Measurement

CFR 47 (FCC) part 15.247 (d) and 558074 D01 DTS Meas Guidance v05r02

9.2. Test Procedure

- 1. The testing follows the guidelines in ANSI C63.10-2020.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
- 3. For measurement below 1GHz, the EUT was placed on a turntable with 0.8meter, above ground. For measurement above 1 GHz, test at FAR, the EUT is placed on a non-conductive table, which is 1.5 meter above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level
- 6. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
- 7. Use the following spectrum analyzer settings:
- (1) Span shall wide enough to fully capture the emission being measured;
- (2) Set RBW=100 kHz for f < 1 GHz; VBW >= RBW; Sweep = auto; Detector function = peak; Trace = max hold;
- (3) Set RBW = 1 MHz, VBW= 3MHz for f > 1 GHz for peak measurement. Set RBW = 1 MHz, and VBW=1/T (on time) for average measurement.

9.3. Test Data

Report No.: WT218003133 Page 22 of 36

9 kHz-30 MHz

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
			-	-	-	-	-	
			-	-	-	-	-	
			-	-	-	-	-	
					-		-	
			1	-	1	-	1	
			1	-	1	-	1	
			1	-	1	-	1	
			-	-	-	-	-	
			-	-	-	-	-	

30 MHz-1 GHz

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

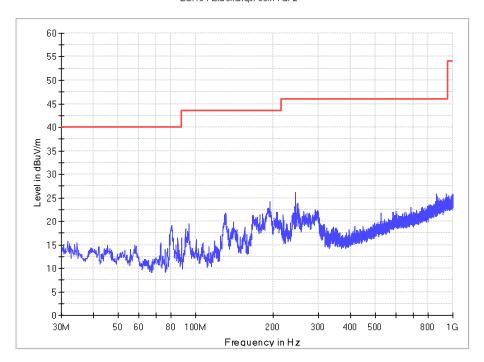
Frequency (MHz)	Cable Loss +preamp (dB)	Antenna Factor (dB)	Reading (dBµV/m)	Level (dBµV/m)	Polarity (Horizontal/ Vertical)	Limit (dBµV/m)	Margin (dB)	Note
33.273	0.7	12.3	18.1	31.1	Vertical	40	8.9	QP
57.766	0.8	13.0	8.8	22.6	Vertical	40	17.4	QP
63.707	0.9	12.7	9.9	23.5	Vertical	40	16.5	QP
85.653	1.0	10.3	11.9	23.2	Vertical	40	16.8	QP
143.126	1.3	10.5	15.2	27.0	Vertical	43.5	16.5	QP
158.282	1.4	8.3	16.3	26.0	Vertical	43.5	17.5	QP
80.561	0.9	8.5	8.8	18.2	Horizontal	40	21.8	QP
94.020	1.1	11.9	0.8	13.8	Horizontal	43.5	29.7	QP
130.758	1.3	10.5	7.8	19.6	Horizontal	43.5	23.9	QP
167.861	1.5	8.7	7.2	17.4	Horizontal	43.5	26.1	QP
194.657	1.6	10.6	8.4	20.6	Horizontal	43.5	22.9	QP
243.521	1.8	12.1	4.7	18.6	Horizontal	46	27.4	QP

Remark: Emission level ($dB\mu V$)=Read Value($dB\mu V/m$) + Antenna Factor(dB)+ Cable Loss +preamp(dB)

30MHz-1GHz

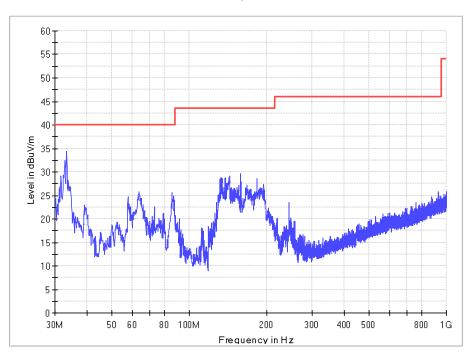
Horizontal

ESW8 Field strength 30M-1 GHz



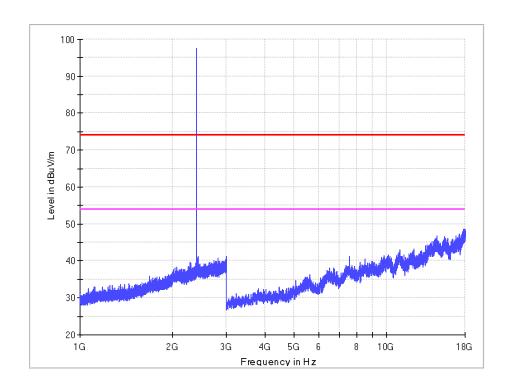
Vertical

ESW8 Field strength 30M-1 GHz

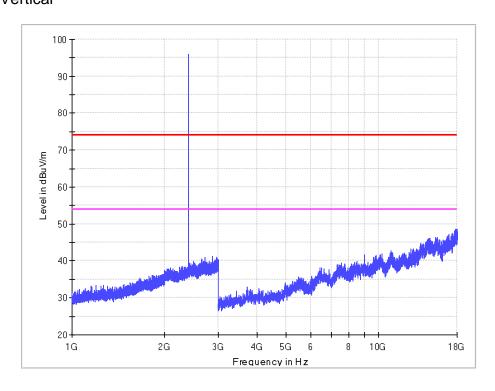


Report No.: WT218003133 Page 24 of 36

1-18 GHz BLE_4.0_1Mbps CH0 Horizontal



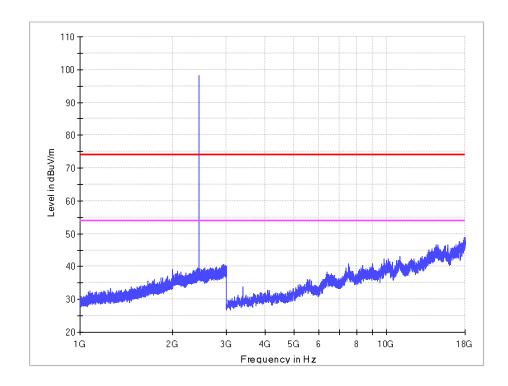
Vertical



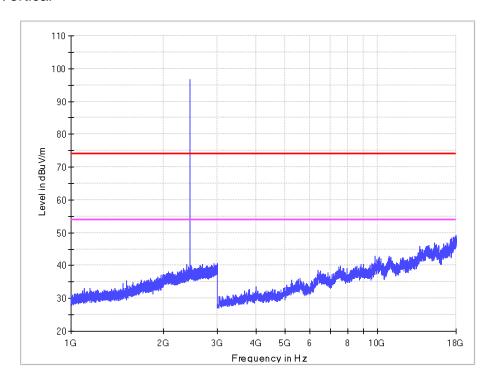
Report No.: WT218003133 Page 25 of 36

1-18 GHz

BLE_4.0_1Mbps BLE CH19 Horizontal



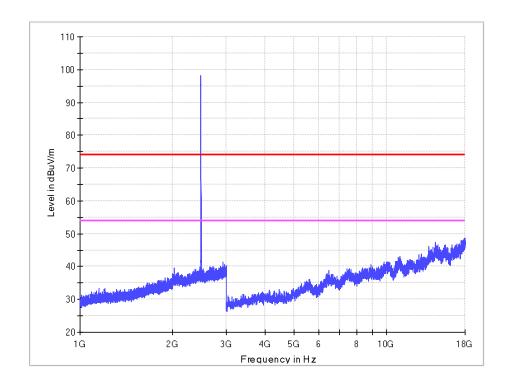
Vertical



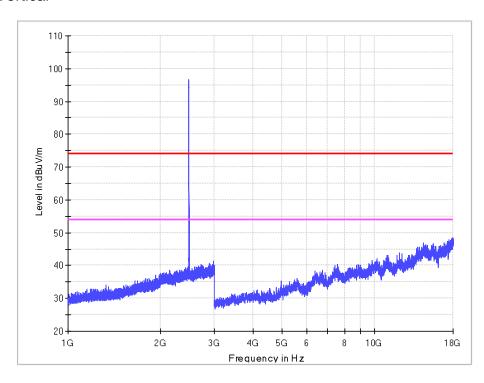
Report No.: WT218003133 Page 26 of 36

1-18 GHz

BLE_4.0_1Mbps BLE CH39 Horizontal



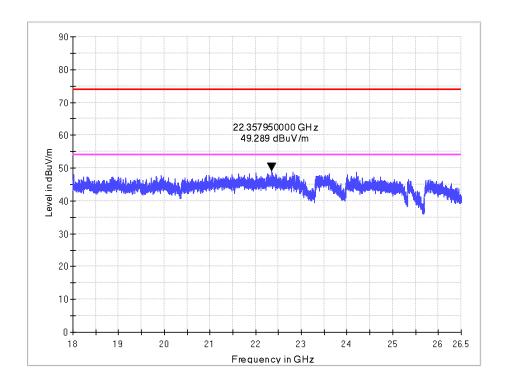
Vertical



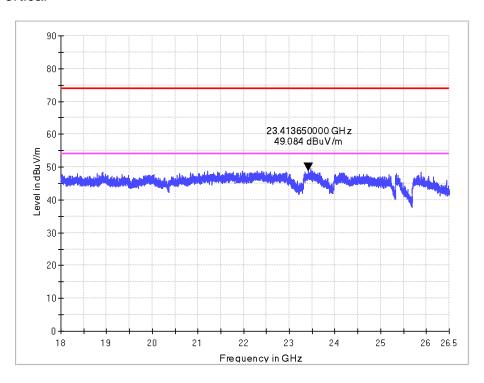
Report No.: WT218003133 Page 27 of 36

18-26.5 GHz

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

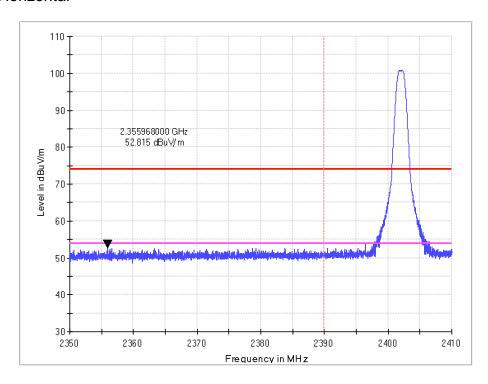


Vertical

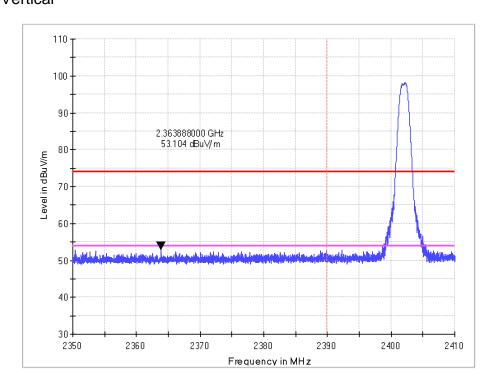


Report No.: WT218003133 Page 28 of 36

Band Edge BLE_4.0_1Mbps BLE CH0 PK Horizontal

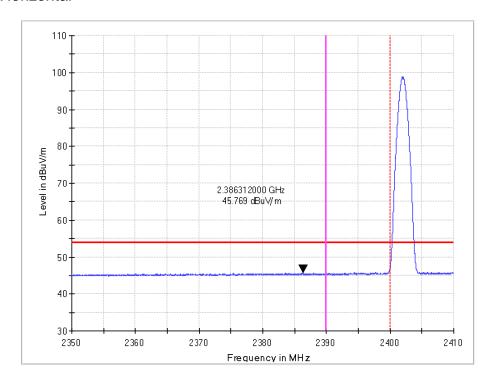


Vertical

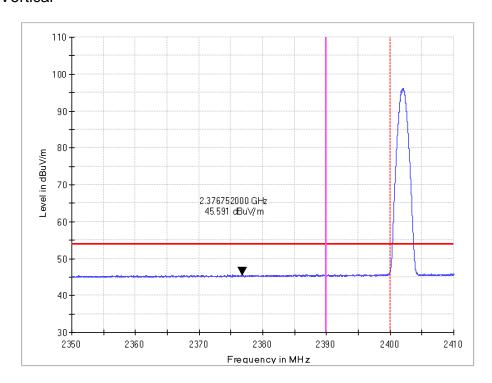


Report No.: WT218003133 Page 29 of 36

AV Horizontal

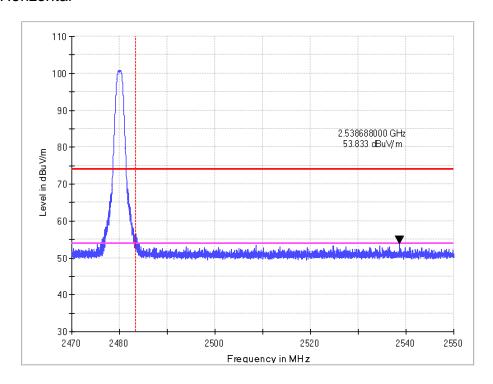


Vertical

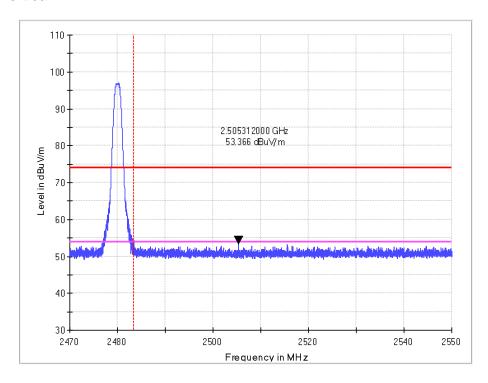


Report No.: WT218003133 Page 30 of 36

Band Edge BLE_4.0_1Mbps BLE CH39 PK Horizontal

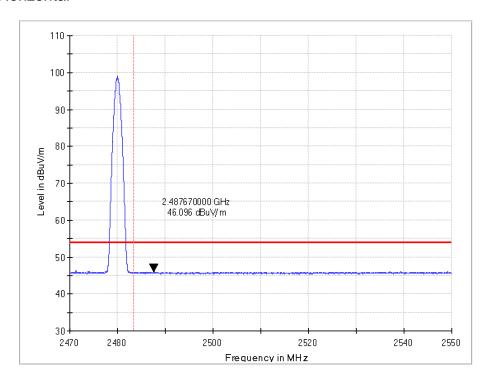


Vertical

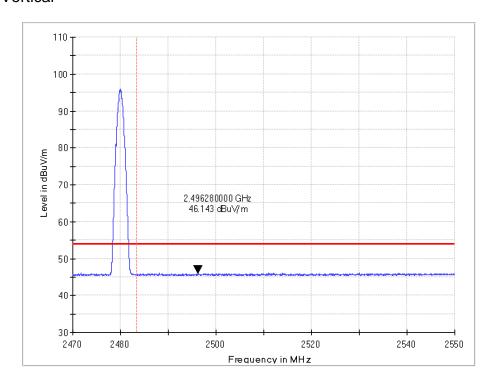


Report No.: WT218003133 Page 31 of 36

AV Horizontal



Vertical



Report No.: WT218003133 Page 32 of 36

10. CONDUCTED EMISSION TEST FOR AC POWER PORT MEASUREMENT

10.1.Test Standard and Limit

10.1.1.Test Standard

FCC Part 15.207

10.1.2.Test Limit

Table 11 Conducted Emission Test Limit

Frequency	Maximum RF Line Voltage (dBμV)			
	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

10.2.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. According to the requirements of ANSI C63.10-2020. 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.

10.3.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.

10.4.Test Data

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

Report No.: WT218003133 Page 33 of 36

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

Table 12 Conducted Emission Test Data

Test mode: Charging and Transmitting								
	Frequency	Correction	Quasi-Peak			Average		
	(MHz)	Factor (dB)	Reading (dBμV)	Emission Level (dBµV)	Limit (dBμV)	Reading (dBμV)	Emission Level (dBµV)	Limit (dΒμV)
	0.150	9.7	39.4	49.1	66	27.0	36.7	56
Line	0.181	9.7	34.4	44.1	64.4	25.0	34.7	54.4
	0.271	9.7	27.3	37.0	61.1	25.1	34.8	51.1
	0.384	9.7	28.9	38.6	58.2	24.7	34.4	48.2
	4.951	9.9	25.4	35.3	56	20.6	30.5	46
	9.213	10.0	34.1	44.1	60	28.8	38.8	50
Neutral	0.150	9.7	37.4	47.1	66	27.6	37.3	56
	0.181	9.7	32.7	42.4	64.4	25.3	35.0	54.4
	0.330	9.7	31.3	41.0	59.5	28.2	37.9	49.5
	0.384	9.7	30.3	40.0	58.2	25.7	35.4	48.2
	4.830	9.9	24.9	34.8	56	20.5	30.4	46
	9.082	10.0	32.4	42.4	60	27.5	37.5	50

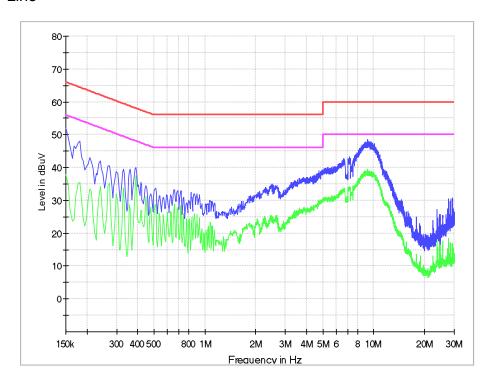
REMARKS: 1. Emission level (dB μ V) =Read Value (dB μ V) + Correction Factor (dB)

Report No.: WT218003133

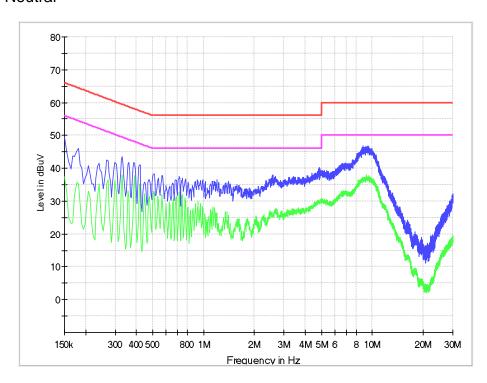
^{2.} Correction Factor (dB) =LISN Factor (dB) + Cable Factor (dB) +Limiter Factor (dB)

^{3.} The other emission levels were very low against the limit.

Line



Neutral



11. 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.

11.1.Antenna Connector

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

11.2.Antenna Gain

The antenna ga	ain of EUT	is less than	6 dBi.
----------------	------------	--------------	--------

End of Report	-

Report No.: WT218003133