

Report No: CCISE190906104V01

FCC REPORT

Applicant:	Wiko SAS
Address of Applicant:	1, rue Capitaine Dessemond – 13007 Marseille – France.
Equipment Under Test (E	EUT)
Product Name:	Mobile Phone
Model No.:	W-P311
Trade mark:	WIKO
FCC ID:	2AM86W-P311
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Date of sample receipt:	17 Sep., 2019
Date of Test:	17 Sep., to 17 Oct., 2019
Date of report issued:	30 Oct., 2019
Test Result:	PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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2 Version

Version No.	Date	Description
00	17 Oct., 2019	Original
01	30 Oct., 2019	Update 6.5 chapter test data and test chart, Page 4

Tested by:

lang Test Engineer

Date:

30 Oct., 2019

30 Oct., 2019

Reviewed by:

Winner Thang Date:

Project Engineer

CCIS

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4 Test Summary

Test Items	Section in CFR 47	Result			
Antenna requirement	15.203 & 15.247 (b)	Pass			
AC Power Line Conducted Emission	15.207	Pass			
Conducted Peak Output Power	15.247 (b)(3)	Pass			
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Pass			
Power Spectral Density	15.247 (e)	Pass			
Band Edge	15.247 (d)	Pass			
Spurious Emission	15.205 & 15.209	Pass			
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. N/A: Not Applicable.					

3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).

Test Met	hod

ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02



5 General Information

5.1 Client Information

Applicant:	Wiko SAS
Address:	1, rue Capitaine Dessemond – 13007 Marseille – France.
Manufacturer/ Factory:	Shenzhen Tinno Mobile Technology Corp.
Address:	4/F, H-3 Building, OCT Eastern Industrial Park. NO.1 XiangShan East Road, Nan Shan District, Shenzhen, P.R.China.

5.2 General Description of E.U.T.

Product Name:	Mobile Phone
Model No.:	W-P311
Hardware version:	V1.0
Software version:	W-P311-CA-V01.08-20-9.0-GBL
Operation Frequency:	2402-2480 MHz
Channel numbers:	40
Channel separation:	2 MHz
Modulation technology:	GFSK
Data speed :	1Mbps
Antenna Type:	Internal Antenna
Antenna gain:	-1.0 dBi
Power supply:	Rechargeable Li-ion Battery DC3.85V-4000mAh
AC adapter:	Input: AC100-240V, 50/60Hz, 0.35A Output: DC 5.0V, 2A
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

Operation Frequency each of channel								
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency	
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz	
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz	
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz	
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz	
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz	
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz	
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz	
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz	
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz	
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz	

Note:

In section 15.31(*m*), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test. Channel No. 0, 20 & 39 were selected as Lowest, Middle and Highest channel.



5.3 Test environment and test mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test mode:	
Transmitting mode	Keep the EUT in continuous transmitting with modulation

The sample was placed 0.8m (below 1GHz)/1.5m (above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.

5.4 Description of Support Units

The EUT has been tested as an independent unit.

5.5 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±1.60 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±3.12 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.32 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.38 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.36 dB (k=2)

5.6 Additions to, deviations, or exclusions from the method No

5.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Designation No.: CN1211

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

• ISED – CAB identifier.: CN0021

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

• CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

• A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <u>https://portal.a2la.org/scopepdf/4346-01.pdf</u>

5.8 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd. Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755-23118282, Fax: +86-755-23116366 Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

5.9 Test Instruments list

Radiated Emission:							
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)		
3m SAC	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020		
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-18-2019	03-17-2020		
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-18-2019	03-17-2020		
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-18-2019	03-17-2020		
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020		
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-21-2018	11-20-2019		
EMI Test Software	AUDIX	E3	Version: 6.110919b		b		
Pre-amplifier	HP	8447D	2944A09358	03-18-2019	03-17-2020		
Pre-amplifier	CD	PAP-1G18	11804	03-18-2019	03-17-2020		
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-18-2019	03-17-2020		
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-21-2018	11-20-2019		
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-18-2019	03-17-2020		
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-18-2019	03-17-2020		
Cable	MICRO-COAX	MFR64639	K10742-5	03-18-2019	03-17-2020		
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-18-2019	03-17-2020		
RF Switch Unit	MWRFTEST	MW200	N/A	N/A	N/A		
Test Software	MWRFTEST	MTS8200	Version: 2.0.0.0				

Conducted Emission:							
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)		
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-18-2019	03-17-2020		
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-18-2019	03-17-2020		
LISN	CHASE	MN2050D	1447	03-18-2019	03-17-2020		
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2019	07-20-2020		
Cable	HP	10503A	N/A	03-18-2019	03-17-2020		
EMI Test Software	AUDIX	E3	Version: 6.110919b				



6 Test results and Measurement Data

6.1 Antenna requirement:

Standard requirement:	FCC Part 15 C Section 15.203 /247(b)
15.203 requirement: An intentional radiator shall I responsible party shall be us antenna that uses a unique so that a broken antenna ca electrical connector is prohib 15.247(b) (4) requirement: (4) The conducted output po antennas with directional ga section, if transmitting anten power from the intentional radi	be designed to ensure that no antenna other than that furnished by the sed with the device. The use of a permanently attached antenna or of an coupling to the intentional radiator, the manufacturer may design the unit n be replaced by the user, but the use of a standard antenna jack or
antenna exceeds 6 dBi.	
E.U.T Antenna:	
The BLE antenna is an Intern antenna is -1.0 dBi.	al antenna which cannot replace by end-user, the best-case gain of the



6.2 Conducted Emission

Test Requirement:	FCC Part 15 C Section 15.207						
Test Frequency Range:	150 kHz to 30 MHz						
Class / Severity:	Class B	Class B					
Receiver setup:	RBW=9kHz, VBW=30kHz						
Limit:		Limit (dBuV)				
		Frequency range (MHz) Quasi-peak Average					
		0.15-0.5 66 to 56* 56 to 46*					
		0.5-5 56 46					
	5-30	60	50				
	* Decreases with the logar						
Test procedure	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), which provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4-2014 on conducted measurement. 						
Test setup:	LISN 40cm	U.T.	AC power				
	LISN: Line Impedence Stabilization Network Test table height=0.8m						
Test Instruments:	Refer to section 5.9 for details						
Test mode:	Refer to section 5.3 for details						
Test results:	Passed						



Measurement Data:

8

9

10

11

12

Notes:

1.654

2.540

2.636

3.681

12.124

9.09

8.23

6.23

3. Final Level = Receiver Read level + LISN Factor + Cable Loss.

22.85

17.75

-0.40

-0.43

-0.43

-0.46

-0.64

1. An initial pre-scan was performed on the line and neutral lines with peak detector.

10.94

10.94

10.93

10.90

10.92

19.63

28.26

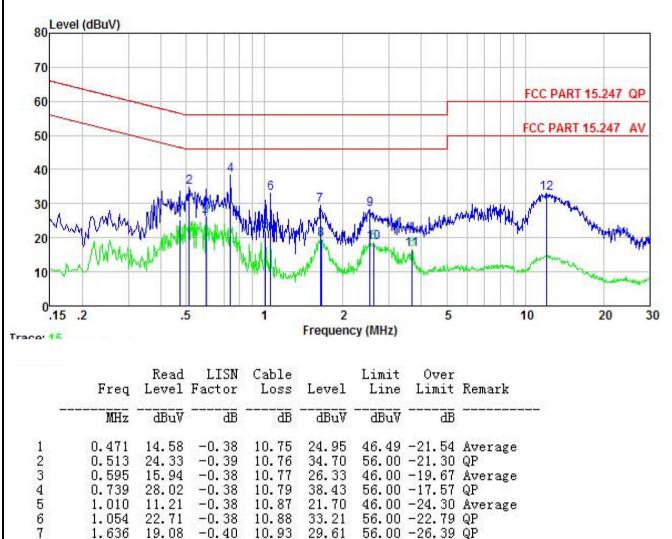
18.73

16.67

33.13

2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

Product name:	Mobile Phone	Product model:	W-P311	
Test by:	YT	Test mode:	BLE Tx mode	
Test frequency:	150 kHz ~ 30 MHz) kHz ~ 30 MHz Phase: Line		
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Huni: 55%	



46.00 -26.37 Average

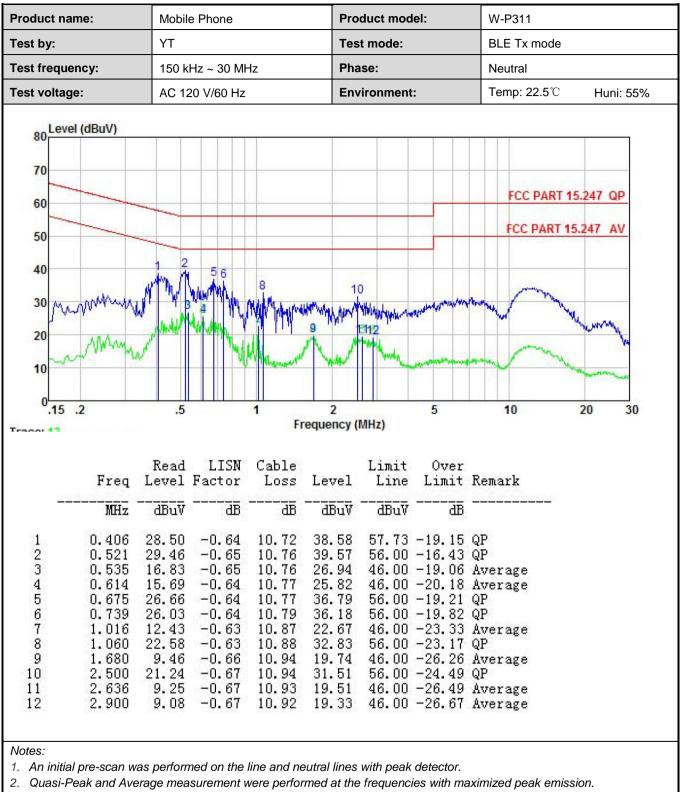
46.00 -27.27 Average

46.00 -29.33 Average 60.00 -26.87 QP

56.00 -27.74 QP

Shenzhen Zhongjian Nanfang Testing Co., Ltd.				
No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,				
Bao'an District, Shenzhen, Guangdong, China				
Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366				





3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



6.3 Conducted Output Power

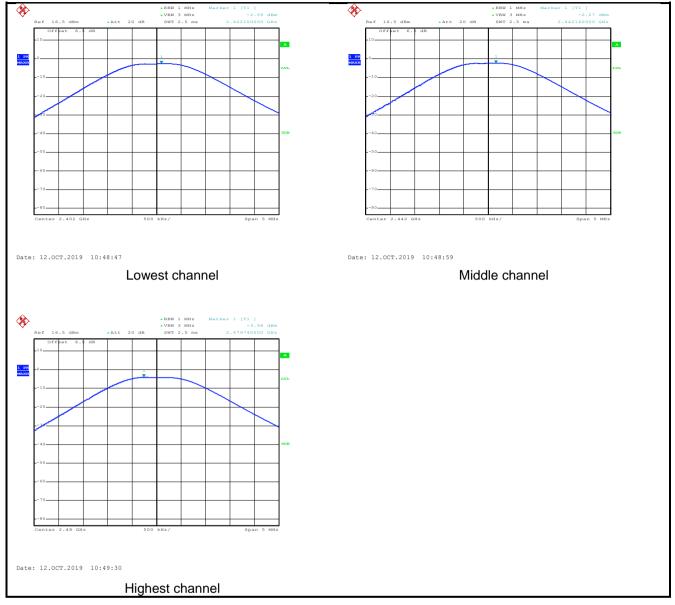
Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)		
Limit:	30dBm		
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane		
Test Instruments:	Refer to section 5.9 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Passed		

Measurement Data:

Test CH	Maximum Conducted Output Power (dBm)	Limit(dBm)	Result
Lowest	-2.55		
Middle	-2.27	30.00	Pass
Highest	-3.96		



Test plot as follows:





6.4 Occupy Bandwidth

Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)		
Limit:	>500kHz		
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane		
Test Instruments:	Refer to section 5.9 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Passed		

Measurement Data:

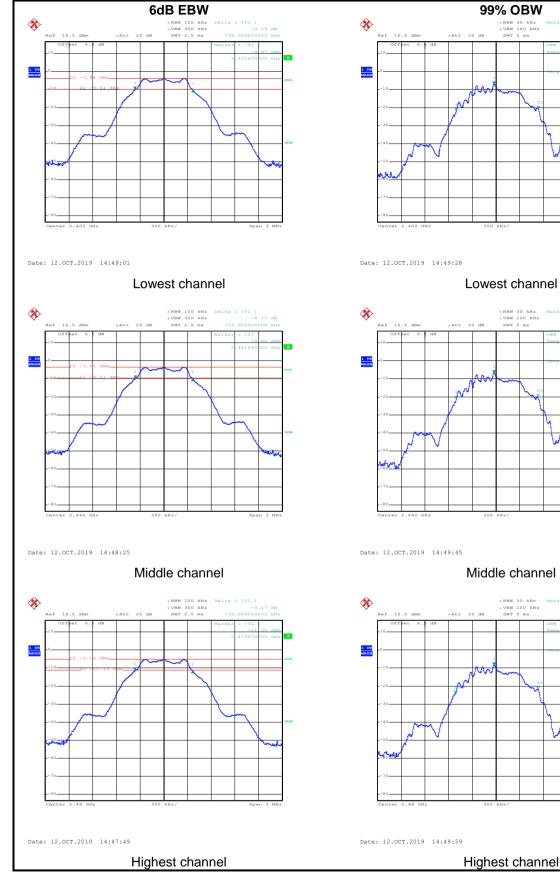
Test CH	6dB Emission Bandwidth (MHz)	Limit(kHz)	Result	
Lowest	0.738		Pass	
Middle	0.726	>500		
Highest	0.732	0.732		
Test CH	99% Occupy Bandwidth (MHz)	Limit(kHz)	Result	
Lowest	1.044			
Middle	1.038	N/A	N/A	
Highest	1.044			

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Test plot as follows:





6.5 Power Spectral Density

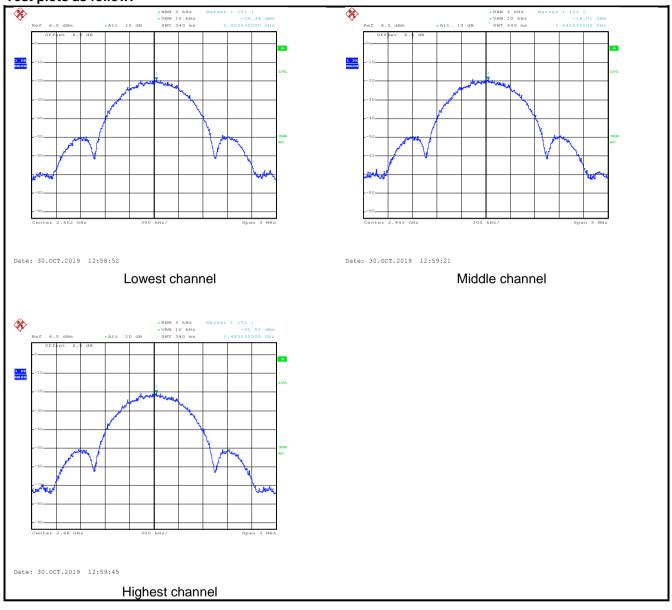
Test Requirement:	FCC Part 15 C Section 15.247 (e)		
Limit:	8dBm/3KHz		
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane		
Test Instruments:	Refer to section 5.9 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Passed		

Measurement Data:

Test CH	Power Spectral Density dBm/3KHz	Limit dBm/3KHz	Result	
Lowest	-19.34			
Middle	-19.01	8.00	Pass	
Highest	-20.52			



Test plots as follow:





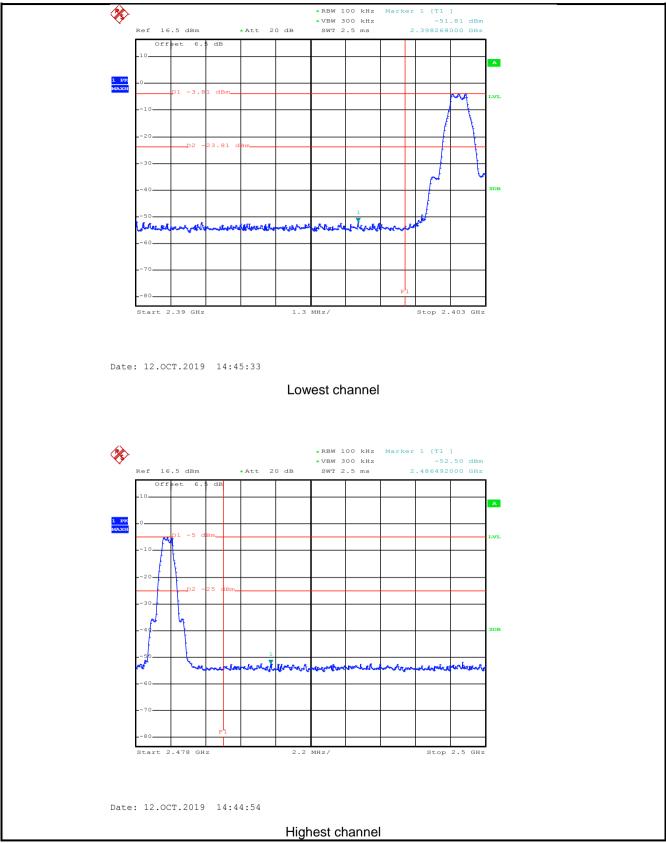
6.6 Band Edge

6.6.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)			
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.			
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane			
Test Instruments:	Refer to section 5.9 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Passed			



Test plots as follow:



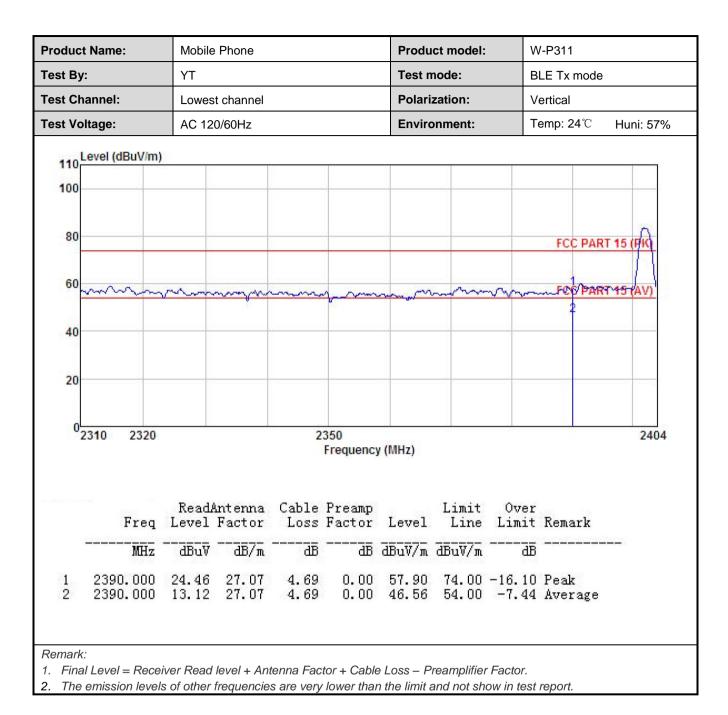


6.6.2 Radiated Emission Method

6.6.2	Radiated Emission i	vietnod								
	Test Requirement:	FCC Part 15 C	FCC Part 15 C Section 15.205 and 15.209							
	Test Frequency Range:	2.3GHz to 2.5	2.3GHz to 2.5GHz							
	Test Distance:	3m								
	Receiver setup:	Frequency Detector				VBW		Remark		
		Above 1GHz	Peak		1MHz		MHz	Peak Value		
	1 institu		RMS	Lim	1MHz		MHz	Average Value Remark		
	Limit:	Frequen	<i>.</i>		<u>imit (dBuV/m @3m)</u> 54.00		Δ	Average Value		
		Above 10	GHz –		74.00		Peak Value			
	Test Procedure:	 The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi- peak or average method as specified and then reported in a data 								
	Test setup:		LEUT urntable) Gr Test Receiv	round Re	Horn Antenna Horn Antenna Inference Plane	Antenna Tr	ower			
	Test Instruments:	Refer to section 5.9 for details								
	Test mode:	Refer to section 5.3 for details								
	Test results:	Passed								
1		-								

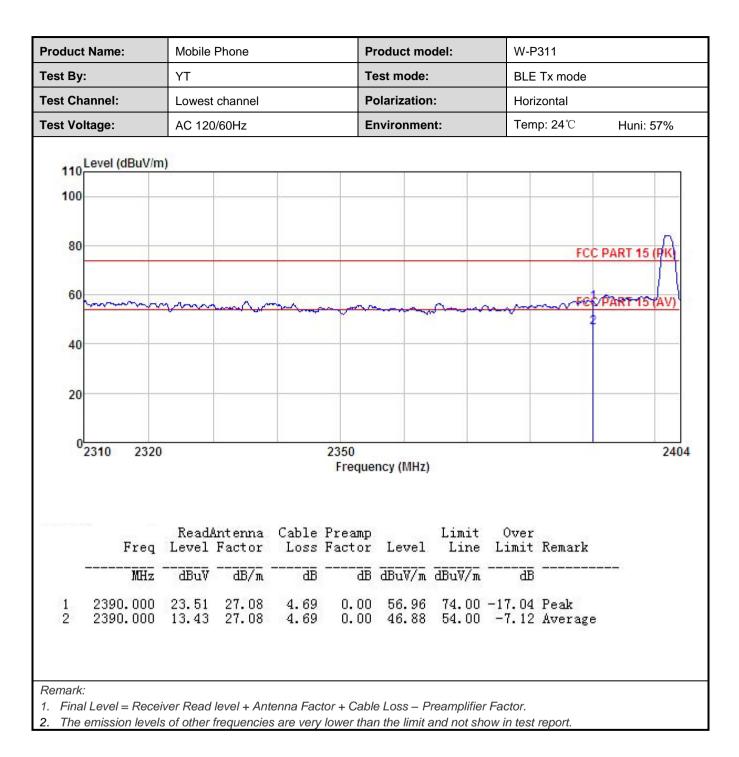








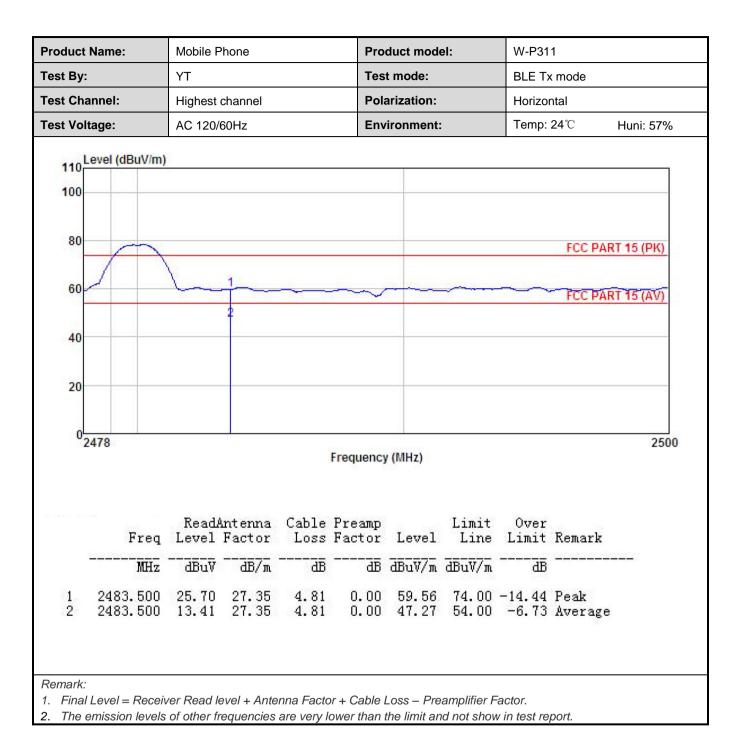






Product Name:	Mobile Phone YT			duct mod	el:	W-P311 BLE Tx mode		
est By:				t mode:				
est Channel:	Highest channe	I	Pola	arization:		Vertical		
est Voltage:	AC 120/60Hz		Env	vironment		Temp: 24°C Huni: 57		
110 Level (dBuV/n 100 80 60 40	n)		<u></u>				ART 15 (PK) ART 15 (AV)	
20 0 2478		Freque	ncy (MHz))			2500	
20 0 2478	Level Factor	Cable Preamp Loss Factor dB dB	Level dBuV/m	Limit Line dBuV/m	<u>a</u> b		2500	







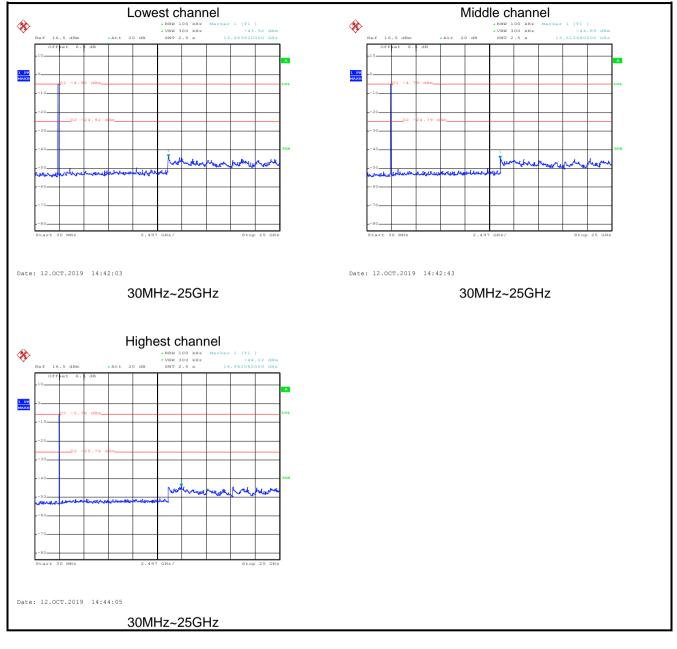
6.7 Spurious Emission

6.7.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)					
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.					
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane					
Test Instruments:	Refer to section 5.9 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					



Test plot as follows:



6.7.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.205 and 15.209							
Test Frequency Range:	9kHz to 25GHz							
Test Distance:	3m							
Receiver setup:	Frequency	Detector	r	RBW	VB	W	Remark	
	30MHz-1GHz	Quasi-pea		120KHz	300ł	КНz	Quasi-peak Value	
		Peak		1MHz	3M	Hz Peak Value		
	Above 1GHz	RMS		1MHz	3M	Hz	Average Value	
Limit:	Frequency	/	Lin	nit (dBuV/m @	23m)	Remark		
	30MHz-88M		40.0			Quasi-peak Value		
	88MHz-216M		43.5			Quasi-peak Value		
	216MHz-960			46.0		Quasi-peak Value		
	960MHz-1G	Hz		54.0			uasi-peak Value	
	Above 1GF	lz –		54.0			Average Value	
Test Procedure:				74.0	<i>t</i>		Peak Value table 0.8m(below	
	 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data 							
Test setup:		3m <				Antenna Search Antenn Test eiver —		



	Horn Antenna Tower Horn Antenna Tower Ground Reference Plane Test Receiver
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	 Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report.

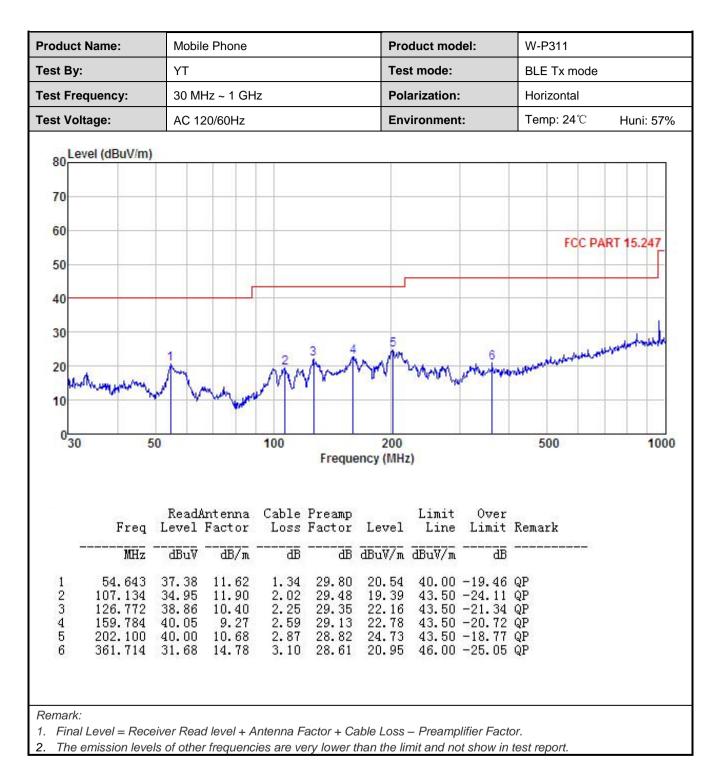


Measurement Data (worst case):

Below 1GHz:

Product Name:				Product model:			W-P311		
est By:				Test	Test mode: Polarization:			BLE Tx mode	
est Frequency:	30 MHz ~ 1 GH	30 MHz ~ 1 GHz							
est Voltage:	AC 120/60Hz	AC 120/60Hz				Environment:			Huni: 57%
Level (dBuV/m									
80									
70									
60							_		
00							F	CC PAF	RT 15.247
50				-					
40									
may			6						
30 Junin	Å Å	5							www.man
20	VVI	Mh.	MAA	my li mhu		Malanda	ners and the second	Mayner	<u> </u>
10	- may n	W WAY	l lun	Ant a	-Marile and and				
10									
0 ¹¹ 30	50	100		200	-		500		1000
			Freque	ncy (MHz)					
Freq	ReadAntenna Level Factor	Cable	Preamp Factor	Ievel	Limit Line		Remark		
MHz				dBuV/m					
1 30.853 2 40.135 3 53.505		0.78	29.97 29.90	35.51 27.83		-4.49			
3 53.505 4 59.649	44.69 11.74 42.92 11.41	1.32	29.81 29.77	27.94		-12.06 -14.06			
5 100.229	40.09 12.50	1.94	29.53	25.00	43.50	-18.50	QP		
6 132.685	48.50 9.99	2.32	29.31	31.50	43.50	-12.00	ųr		
Remark:									
. Final Level = Rec	eiver Read level + A els of other frequenc.								







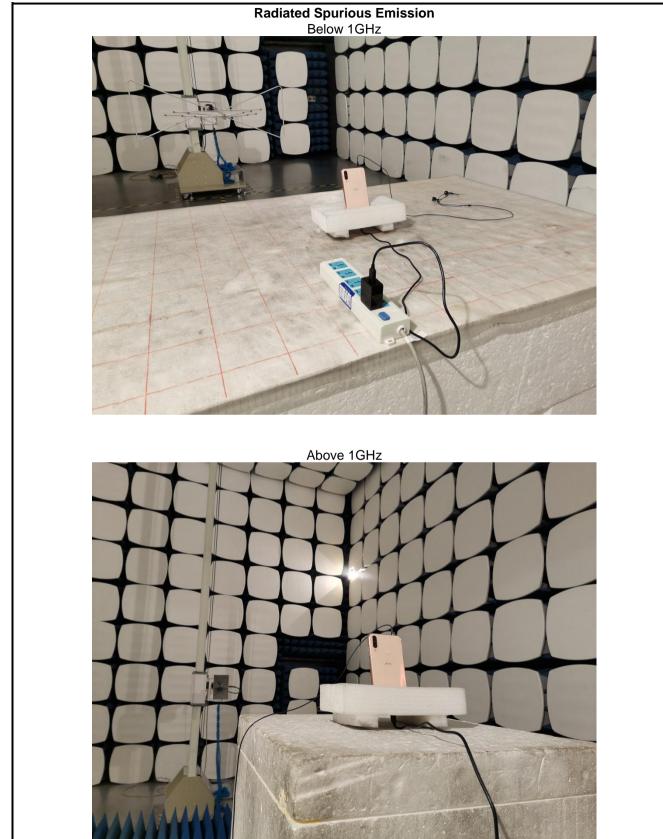
Above 1GHz

			Test ch	annel: Lowe	est channel				
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
4804.00	49.52	30.85	6.80	41.81	45.36	74.00	-28.64	Vertical	
4804.00	50.74	30.85	6.80	41.81	46.58	74.00	-27.42	Horizontal	
			Dete	ctor: Avera	ge Value				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
4804.00	40.36	30.85	6.80	41.81	36.20	54.00	-17.80	Vertical	
4804.00	41.78	30.85	6.80	41.81	37.62	54.00	-16.38	Horizontal	
				nannel: Mido					
		1		tector: Peak	k Value				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
4884.00	50.53	31.20	6.86	41.84	46.75	74.00	-27.25	Vertical	
4884.00	51.39	31.20	6.86	41.84	47.61	74.00	-26.39	Horizontal	
			Dete	ctor: Avera	ge Value				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
4884.00	40.52	31.20	6.86	41.84	36.74	54.00	-17.26	Vertical	
4884.00	41.72	31.20	6.86	41.84	37.94	54.00	-16.06	Horizontal	
			Test ch	annel: High	est channel				
				tector: Peak					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
4960.00	50.26	31.63	6.91	41.87	46.93	74.00	-27.07	Vertical	
4960.00	51.75	31.63	6.91	41.87	48.42	74.00	-25.58	Horizontal	
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
4960.00	41.15	31.63	6.91	41.87	37.82	54.00	-16.18	Vertical	
4960.00	42.39	31.63	6.91	41.87	39.06	54.00	-14.94	Horizontal	
		r Read level + f other freque				nplifier Factor. not show in test	t report.		

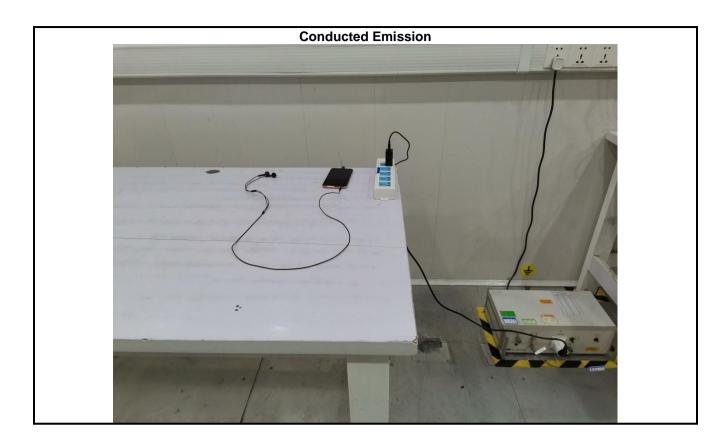




7 Test Setup Photo









8 EUT Constructional Details

Reference to the test report No.: CCISE190906101

-----End of report-----