

Report No: JYTSZB-R12-2102945

FCC REPORT

Applicant:	INFINIX MOBILITY LIMITED
Address of Applicant:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT
Equipment Under Test (E	UT)
Product Name:	Mobile Phone
Model No.:	X6817
Trade mark:	Infinix
FCC ID:	2AIZN-X6817
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Date of sample receipt:	22 Dec., 2021
Date of Test:	23 Dec., 2021 to 16 Feb., 2022
Date of report issued:	17 Feb., 2022
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 JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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Version 2

Version No.	Date	Description
00	17 Feb., 2022	Original

Tested by:

Janet Wei Test Engineer

Date: 17 Feb., 2022

Reviewed by:

Winner Mang

Project Engineer

Date: 17 Feb., 2022

Project No.: JYTSZE2112074



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4 Test Summary

Test Items	Section in CFR 47	Test Data	Result
Antenna requirement	15.203 & 15.247 (b)	See Section 6.1	Pass
AC Power Line Conducted Emission	15.207	See Section 6.2	Pass
Duty Cycle	ANSI C63.10-2013	Appendix A – 2.4G Wi-Fi	Pass
Conducted Peak Output Power	15.247 (b)(3)	Appendix A – 2.4G Wi-Fi	Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Appendix A – 2.4G Wi-Fi	Pass
Power Spectral Density	15.247 (e)	Appendix A – 2.4G Wi-Fi	Pass
Conducted Band Edge		Appendix A – 2.4G Wi-Fi	Pass
Radiated Band Edge	15.247 (d)	See Section 6.6.2	Pass
Conducted Spurious Emission	45.005.8.45.000	Appendix A – 2.4G Wi-Fi	Pass
Radiated Spurious Emission	15.205 & 15.209	See Section 6.7.2	Pass
Remark:	1	•	

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 Method:

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



5 General Information

5.1 Client Information

Applicant:	INFINIX MOBILITY LIMITED
Address:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT
Manufacturer:	SHENZHEN TECNO TECHNOLOGY CO.,LTD.
Address:	101, Building 24, Waijing Industrial Park, Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R.China

5.2 General Description of E.U.T.

Product Name:	Mobile Phone				
Model No.:	X6817				
Operation Frequency:	2412MHz~2462MHz: 802.11b/802.11g/802.11n(HT20)				
	2422MHz~2452MHz: 802.11n(HT40)				
Channel numbers:	11: 802.11b/802.11g/802.11(HT20)				
	7: 802.11n(HT40)				
Channel separation:	5MHz				
Modulation technology:	Direct Sequence Spread Spectrum (DSSS)				
(IEEE 802.11b)					
Modulation technology:	Orthogonal Frequency Division Multiplexing(OFDM)				
(IEEE 802.11g/802.11n)					
Data speed (IEEE 802.11b):	1Mbps, 2Mbps, 5.5Mbps, 11Mbps				
Data speed (IEEE 802.11g):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps				
Data speed (IEEE 802.11n):	Up to 150Mbps				
Antenna Type:	Internal Antenna				
Antenna gain:	1.0dBi				
Power supply:	Rechargeable Li-ion Ploymer Battery DC3.87V,4900mAh				
AC adapter:	Model: U180XSA				
	Input: AC100-240V, 50/60Hz, 0.6A				
	Output: DC 5.0V/2.4A, 7.5V/2.4A				
Remark:	The EUT has two kinds of memory, one is 64+4 memory and the other is 128+6 memory.				
Test Sample Condition:	The test samples were provided in good working order with no visible defects.				

Operation Frequency each of channel for 802.11b/g/n(HT20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3 2422MHz 6 2437MHz 9 2452MHz							

Note:

1. For 802.11n-HT40 mode, the channel number is from 3 to 9;

2. Channel 1, 6 & 11 selected for 802.11b/g/n-HT20 as Lowest, Middle and Highest channel. Channel 3, 6 & 9 selected for 802.11n-HT40 as Lowest, Middle and Highest Channel.



5.3 Test environment and mode, and test samples plans

Operating Environment:						
Temperature:	24.0 °C					
Humidity:	54 % RH	54 % RH				
Atmospheric Pressure:	1010 mbar					
Test mode:						
Transmitting mode	Keep the EUT in cont	inuous transmitting with modulation				
of 3m chamber. Measurements each emission was maximized b rotated about all 3 axis (X, Y & 2 interconnecting cables, rotating vertical polarizations. The emiss We have verified the construction	in both horizontal and v by: having the EUT con c) and considered typic the turntable, varying a ions worst-case are sh n and function in typica	bw 1GHz)/1.5m (above 1GHz) above the ground plane vertical polarities were performed. During the test, tinuously working, investigated all operating modes, al configuration to obtain worst position, manipulating intenna height from 1m to 4m in both horizontal and own in Test Results of the following pages. al operation. All the test modes were carried out with this test report and defined as follows:				
Per-scan all kind of data rate,	the follow list were th	e worst case.				
Mode		Data rate				
802.11b		1Mbps				
802.11g		6Mbps				
802.11n(HT2	:0)	6.5Mbps				
802.11n(HT4	.0)	13.5Mbps				
Test Samples Plans:						
Samples Number		Used for Test Items				
2#	Conducted measuren					
1#	Radiated measurements test method					
	1# EUT constructional details					
Remark: JianYan Testing Group Sh and will keep the above samples for		responsible for the test project data of the above samples,				
5.4 Description of Sug	poort Units					

Description of Support Units

The EUT has been tested as an independent unit.

5.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%)
Conducted Emission (9kHz ~ 150KHz) for V-AMN	3.11 dB
Conducted Emission (150kHz ~ 30MHz) for V-AMN	2.62 dB
Radiated Emission (9kHz ~ 30MHz electric field) for 3m SAC	3.13 dB
Radiated Emission (9kHz ~ 30MHz magnetic field) for 3m SAC	3.13 dB
Radiated Emission (30MHz ~ 1GHz) for 3m SAC	4.45 dB
Radiated Emission (1GHz ~ 18GHz) for 3m SAC	5.34 dB
Radiated Emission (18GHz ~ 40GHz) for 3m SAC	5.34 dB

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

JianYan Testing Group Shenzhen 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 and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen 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 L15527

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

• A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

5.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China. Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website: http://jyt.lets.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	ETS	RFD-100	Q1984	04-14-2021	04-13-2024
BiConiLog Antenna	SCHWARZBECK	VULB9163	9163-1246	03-07-2021	03-06-2022
Biconical Antenna	SCHWARZBECK	VUBA 9117	9117#359	06-17-2021	06-17-2022
Horn Antenna	SCHWARZBECK	BBHA9120D	912D-916	03-07-2021	03-06-2022
Broad-Band Horn Antenna	SCHWARZBECK	BBHA9170	1067	04-02-2021	04-01-2022
Broad-Band Horn Antenna	SCHWARZBECK	BBHA9170	1068	04-02-2021	04-01-2022
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-03-2021	03-02-2022
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-03-2021	03-02-2022
Spectrum analyzer	Keysight	N9010B	MY60240202	10-27-2021	10-26-2022
Low Pre-amplifier	SCHWARZBECK	BBV9743B	00305	03-07-2021	03-06-2022
High Pre-amplifier	SKET	LNPA_0118G-50	MF280208233	03-07-2021	03-06-2022
Cable	Qualwave	JYT3M-1G-NN-8M	JYT3M-1	03-07-2021	03-06-2022
Cable	Qualwave	JYT3M-18G-NN-8M	JYT3M-2	03-07-2021	03-06-2022
Cable	Qualwave	JYT3M-1G-BB-5M	JYT3M-3	03-07-2021	03-06-2022
Cable	Bost	JYT3M-40G-SS-8M	JYT3M-4	04-02-2021	04-01-2022
EMI Test Software	Tonscend	TS+	Version:3.0.0.1		

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 3	101189	03-03-2021	03-02-2022	
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	03-18-2021	03-17-2022	
LISN	Rohde & Schwarz	ESH3-Z5	843862/010	06-18-2020	06-17-2022	
RF Switch	TOP PRECISION	RSU0301	N/A	03-03-2021	03-02-2022	
Cable	Bost	JYTCE-1G-NN-2M	JYTCE-1	03-03-2021	03-02-2022	
Cable	Bost	JYTCE-1G-BN-3M	JYTCE-2	03-03-2021	03-02-2022	
EMI Test Software	AUDIX	E3	Version: 6.110919b			

Conducted method:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
Spectrum Analyzer	Keysight	N9010B	MY60240202	10-27-2021	10-26-2022	
Vector Signal Generator	Keysight	N5182B	MY59101009	10-27-2021	10-26-2022	
Analog Signal Generator	Keysight	N5173B	MY59100765	10-27-2021	10-26-2022	
Power Detector Box	MWRF-test	MW100-PSB	MW201020JYT	11-19-2021	11-18-2022	
Simulated Station	Rohde & Schwarz	CMW270	102335	10-27-2021	10-26-2022	
RF Control Box	MWRF-test	MW100-RFCB	MW200927JYT	N/A	N/A	
PDU	MWRF-test	XY-G10	N/A	N/A	N/A	
DC Power Supply	Keysight	E3642A	MY60296194	11-27-2020	11-26-2023	
Temperature Humidity Chamber	Deli	8840	N/A	03-08-2021	03-07-2022	
Test Software	MWRF-tes	MTS 8310		Version: 2.0.0.0		



6 Test results and Measurement Data

6.1 Antenna requirement

Standard requirement:	FCC Part 15 C Section 15.203 /247(b)
responsible party shall be u antenna that uses a unique so that a broken antenna ca electrical connector is prohi 15.247(b) (4) requirement: (4) The conducted output po antennas with directional ga section, if transmitting anter power from the intentional r	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 an be replaced by the user, but the use of a standard antenna jack or bited. ower limit specified in paragraph (b) of this section is based on the use of ains that do not exceed 6 dBi. Except as shown in paragraph (c) of this nas of directional gain greater than 6 dBi are used, the conducted output adiator shall be reduced below the stated values in paragraphs (b)(1), tion, as appropriate, by the amount in dB that the directional gain of the
E.U.T Antenna:	
The Wi-Fi antenna is an Inter antenna is1.0 dBi.	rnal antenna which cannot replace by end-user, the best case gain of the



6.2 Conducted Emission

Test Requirement:	FCC Part 15 C Section 15.2	207				
Test Frequency Range:	150 kHz to 30 MHz					
Class / Severity:	Class B					
Receiver setup:	RBW=9 kHz, VBW=30 kHz					
Limit:	Frequency range (MHz)	Limit (d	· · ·			
		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 logarith					
Test procedure	 line impedance stabiliza 50ohm/50uH coupling i The peripheral devices LISN that provides a 50 termination. (Please ref photographs). Both sides of A.C. line a interference. In order to positions of equipment 	brs are connected to the mation network (L.I.S.N.), wight mpedance for the measure are also connected to the Dohm/50uH coupling imperferent to the block diagram of are checked for maximum of find the maximum emission and all of the interface call. 10(latest version) on control of the second seco	hich provides a ing equipment. main power through a dance with 50ohm the test setup and conducted on, the relative bles must be changed			
Test setup:		st	er — AC power			
Test Instruments:	Refer to section 5.9 for deta	ils				
Test mode:	Refer to section 5.3 for deta	ils				
Test results:	Passed					



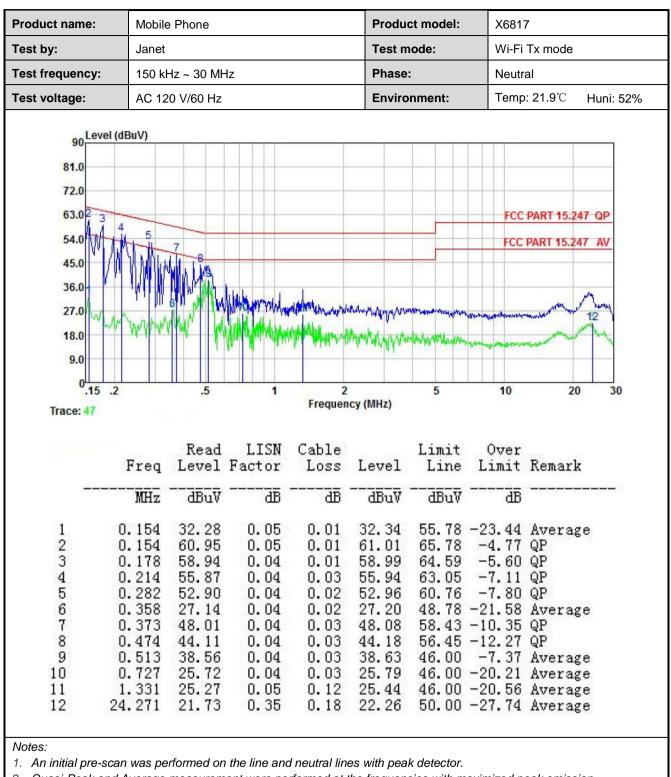
Measurement Data:

Product name:	Mobile	e Phone			Produc	t model:	X6817	,	
Test by:	Janet				Test m	ode:	Wi-Fi	Tx mode	
Test frequency:	150 kH	lz ~ 30 M⊦	lz		Phase:		Line		
Test voltage:	AC 12	0 V/60 Hz			Enviror	nment:	Temp:	: 21.9 ℃	Huni: 52
1	(40-4)								
90 Level	(aBuv)				1				- 20
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72.0									
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9.0 0.15 .	2			Frequen	cy (MHz)			20) 30
9.0 0.15		Read	LISN	Frequence		Limit	Over		
9.0 0.15	2 Freq	Read		Frequen	cy (MHz)		Over	20 Remark	
9.0 0.15		Read	LISN	Frequence		Limit	Over		
9.0 0.15 .	Freq MHz	Read Level dBuV	LISN Factor dB	Frequend Cable Loss dB	Level 	Limit Line 	Over Limit aB	Remarl	k
9.0 0.15 Trace: 45	Freq MHz 0.166	Read Level dBuV 30.15	LISN Factor dB 0.04	Frequent Cable Loss dB 0.01	Level 	Limit Line dBuV 55.16	Over Limit dB -24.96	Remarl	k
9.0 0.15 Trace: 45	Freq MHz 0.166 0.166	Read Level dBuV 30.15 61.23	LISN Factor dB 0.04 0.04	Frequent Cable Loss dB 0.01 0.01	Level dBuV 30.20 61.28	Limit Line dBuV 55.16 65.16	Over Limit dB -24.96 -3.88	Remarl Avera; QP	k
9.0 0.15 Trace: 45	Freq MHz 0.166 0.226	Read Level dBuV 30.15 61.23 48.62	LISN Factor dB 0.04 0.04 0.04	Frequent Cable Loss dB 0.01 0.01 0.02	Level dBuV 30.20 61.28 48.68	Limit Line dBuV 55.16 65.16 62.61	Over Limit dB -24.96 -3.88 -13.93	Remarl Avera; QP QP	k
9.0 0.15 . Trace: 45	Freq MHz 0.166 0.226 0.270	Read Level dBuV 30.15 61.23 48.62 47.51	LISN Factor dB 0.04 0.04 0.04 0.04 0.04	Frequent Cable Loss dB 0.01 0.01 0.02 0.02 0.02	Level dBuV 30.20 61.28 48.68 47.57	Limit Line dBuV 55.16 65.16 62.61 61.12	Over Limit 	Remarl Avera; QP QP QP QP	k
9.0 0.15 Trace: 45	Freq MHz 0.166 0.226 0.270 0.337	Read Level dBuV 30.15 61.23 48.62 47.51 45.60	LISN Factor dB 0.04 0.04 0.04 0.04 0.04 0.04	Frequent Cable Loss dB 0.01 0.01 0.02 0.02 0.02 0.02	Level dBuV 30.20 61.28 48.68 47.57 45.66	Limit Line dBuV 55.16 65.16 62.61 61.12 59.27	Over Limit 	Remarl Avera; QP QP QP QP	k ge
9.0 0.15 Trace: 45	Freq MHz 0.166 0.226 0.270 0.337 0.505	Read Level dBuV 30.15 61.23 48.62 47.51 45.60 34.29	LISN Factor dB 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	Frequent Cable Loss dB 0.01 0.01 0.02 0.02 0.02 0.02 0.03	Level dBuV 30.20 61.28 48.68 47.57 45.66 34.36	Limit Line dBuV 55.16 65.16 62.61 61.12 59.27 46.00	Over Limit -24.96 -3.88 -13.93 -13.55 -13.61 -11.64	Remarl Avera; QP QP QP QP Avera;	k ge
9.0 0.15 Trace: 45	Freq MHz 0.166 0.226 0.270 0.337 0.505 0.505	Read Level dBuV 30.15 61.23 48.62 47.51 45.60 34.29 45.13	LISN Factor dB 0.04 0.04 0.04 0.04 0.04 0.04	Frequent Cable Loss dB 0.01 0.02 0.02 0.02 0.02 0.03 0.03	Level dBuV 30.20 61.28 48.68 47.57 45.66 34.36 45.20	Limit Line dBuV 55.16 65.16 62.61 61.12 59.27 46.00 56.00	Over Limit -24.96 -3.88 -13.93 -13.55 -13.61 -11.64 -10.80	Remark Avera; QP QP QP Avera; QP	k ge ge
9.0 0.15 Trace: 45	Freq MHz 0.166 0.226 0.270 0.337 0.505	Read Level dBuV 30.15 61.23 48.62 47.51 45.60 34.29	LISN Factor dB 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	Frequent Cable Loss dB 0.01 0.01 0.02 0.02 0.02 0.02 0.03	Level dBuV 30.20 61.28 48.68 47.57 45.66 34.36	Limit Line dBuV 55.16 65.16 62.61 61.12 59.27 46.00 56.00 46.00	Over Limit -24.96 -3.88 -13.93 -13.55 -13.61 -11.64	Remari Avera; QP QP QP Avera; QP Avera; QP	k ge ge
9.0 0.15 Trace: 45	Freq 0.166 0.166 0.226 0.270 0.337 0.505 0.505 0.904	Read Level dBuV 30.15 61.23 48.62 47.51 45.60 34.29 45.13 23.03 22.25 20.36	LISN Factor dB 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	Frequent Cable Loss dB 0.01 0.01 0.02 0.02 0.02 0.02 0.03 0.03 0.03 0.04	Level dBuV 30.20 61.28 48.68 47.57 45.66 34.36 45.20 23.12	Limit Line dBuV 55.16 65.16 62.61 61.12 59.27 46.00 56.00 46.00 46.00	Over Limit -24.96 -3.88 -13.93 -13.55 -13.61 -11.64 -10.80 -22.88	Remarl Avera; QP QP QP QP Avera; Avera; Avera;	k ge ge ge
9.0 0.15 Trace: 45	Freq 0.166 0.226 0.270 0.337 0.505 0.505 0.904 1.324	Read Level dBuV 30.15 61.23 48.62 47.51 45.60 34.29 45.13 23.03 22.25	LISN Factor dB 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	Frequent Cable Loss dB 0.01 0.02 0.02 0.02 0.02 0.03 0.03 0.03 0.04 0.11	Level dBuV 30. 20 61. 28 48. 68 47. 57 45. 66 34. 36 45. 20 23. 12 22. 42 20. 57	Limit Line dBuV 55.16 65.16 62.61 61.12 59.27 46.00 46.00 46.00 46.00 50.00	Over Limit dB -24.96 -3.88 -13.93 -13.55 -13.61 -11.64 -10.80 -22.88 -23.58	Remarl Avera; QP QP QP Avera; Avera; Avera; Avera;	k ge ge ge ge

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

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



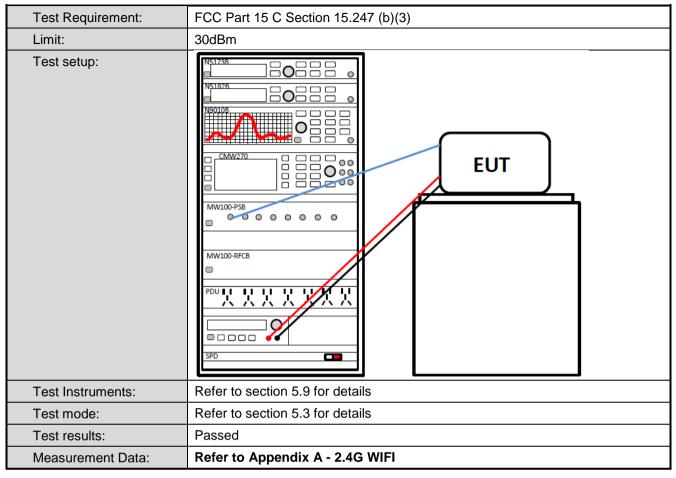


2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

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

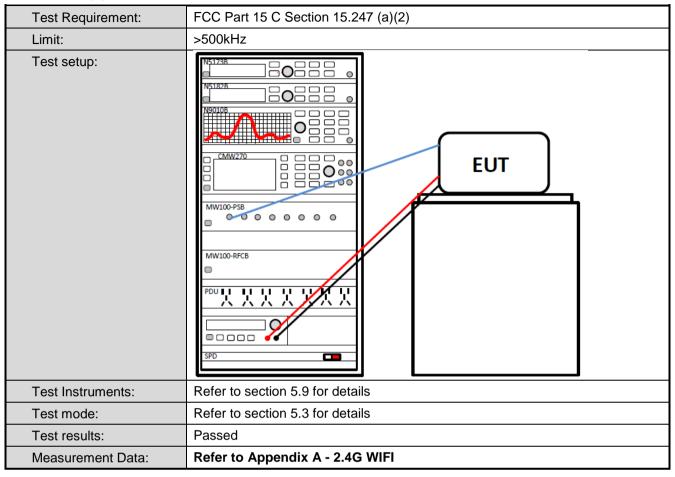


6.3 Conducted Output Power



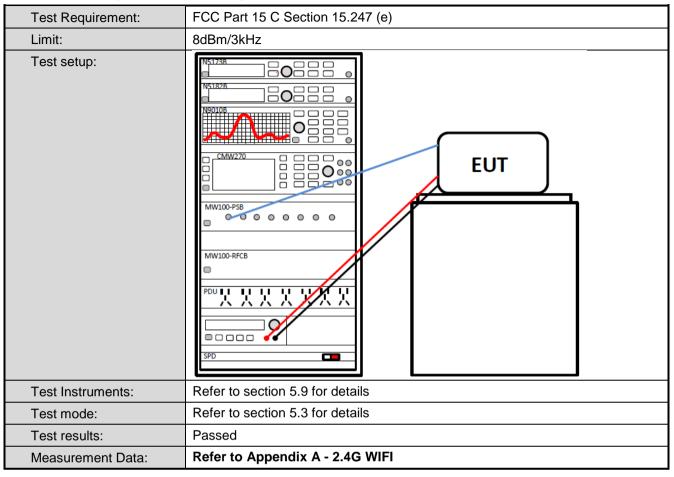


6.4 Occupy Bandwidth





6.5 Power Spectral Density





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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
Test setup:	
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Measurement Data:	Refer to Appendix A - 2.4G WIFI



6.6.2 Radiated Emission Method

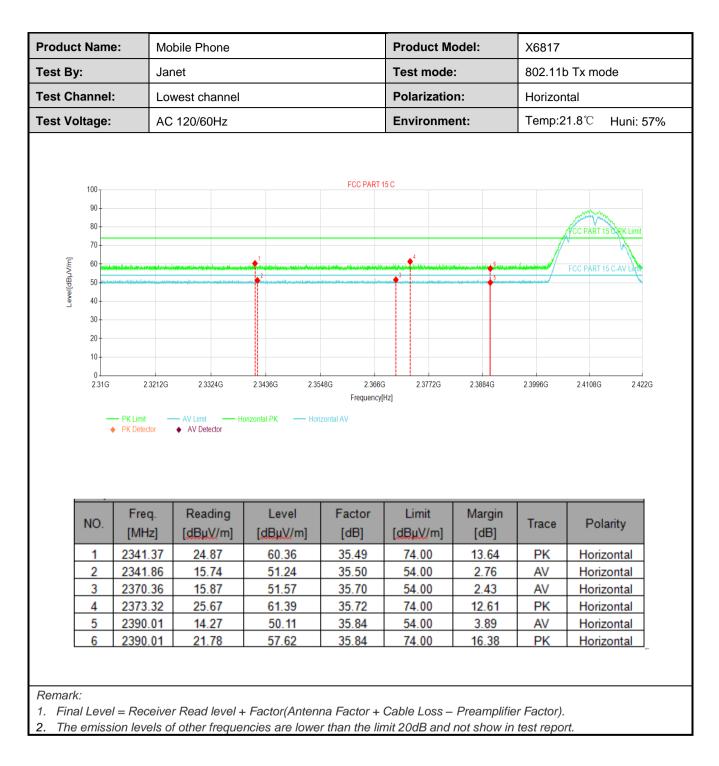
Test Requirement:	FCC Part 15 C Se	ection 15.209	and 15.205		
Test Frequency Range:	2310 MHz to 2390) MHz and 24	483.5 MHz to 2	500 MHz	
Test Distance:	3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
L inste	Frequency	RMS	<u>1MHz</u> mit (dBuV/m @	3MHz	Average Value Remark
Limit:			54.00		verage Value
	Above 1GH	Z	74.00		Peak Value
Test Procedure:	 the ground at determine the The EUT was antenna, whic tower. The antenna ground to det horizontal and measuremen For each sus and then the and the rota t maximum rea The test-rece Specified Bar If the emission limit specified the EUT wou 10dB margin 	a 3 meter ca e position of s set 3 meter ch was mour height is var cermine the n d vertical pol t. pected emise antenna was table was tur ading. viver system dwidth with on level of the d, then testing ld be reporte would be re-	the highest radi s away from the need on the top ied from one m naximum value arizations of the sion, the EUT w s tuned to heigh ned from 0 deg was set to Peal Maximum Hold e EUT in peak r g could be stop ed. Otherwise th	ble was rotate iation. e interference of a variable- eter to four m of the field st e antenna are vas arranged its from 1 me irees to 360 d k Detect Fund Mode. node was 100 ped and the p ine emissions one using pea	ed 360 degrees to e-receiving height antenna neters above the trength. Both e set to make the to its worst case ter to 4 meters legrees to find the ction and dB lower than the peak values of that did not have ak, quasi-peak or
Test setup:		AE EUT (Turntable)	Horn 3m Ground Reference Plane Receiver	Antenna Tow	ver
Test Instruments:	Refer to section 5	.9 for details			
Test mode:	Refer to section 5	.3 for details			
Test results:	Passed				



802.11b mode:

							Product	wouer.	X6817		
Fest By	/:		Jane	t			Test mod	de:	802.11b	o Tx mo	de
lest Ch	annel	:	Lowe	est channel			Polarizat	tion:	Vertical		
Test Vo	ltage:		AC 1	20/60Hz			Environr	nent:	Temp:2	1.8 ℃	Huni: 57
Level[dBµV/m]	100 90 80 70 60 50 40 30	an a fair de bla			2	FCC PART 1	5 C	стан — С.		FCC PART 1	5 CPK Limit
	20 10 2.31G	2 — PK Limit • PK Detec		2 3324G - AV Limit	2.3436G 2.35 ertical PK — Vertical	Frequency[I		2.3884G	2.3996G	2.4108G	2.422G
	10	— PK Limit	tor	– AV Limit – V		Frequency[I		2.3884G Margin [dB]	23996G Trace		2.422G
	10 0 2.316 	PK Limit PK Detec	lor 7. z] 59	AV Limit V AV Detector V Reading [dBµV/m] 16.06	Level [dBµV/m] 51.56	Frequency[AV Factor [dB] 35.50	Limit [dBµV/m] 54.00	Margin [dB] 2.44	Trace	Pol	larity
	10 0 2316 NO. 1 2	PK Limit PK Detec Free [MH 2342 2343	tor 7- 2] 59 02	AV Limit V AV Detector V Reading [dBµV/m] 16.06 23.73	Level [dBµV/m] 51.56 59.24	Frequency[AV Factor [dB] 35.50 35.51	Limit [dBµV/m] 54.00 74.00	Margin [dB] 2.44 14.76	Trace AV PK	Pol Ver Ver	larity tical
	10 0 2.31G NO. 1 2 3	Free [MH 2342 2343 2371	or z] 59 02 02	AV Limit V AV Detector V AV Detector V Reading [dBµV/m] 16.06 23.73 16.34	Level [dBµV/m] 51.56 59.24 52.04	Frequency[I AV Factor [dB] 35.50 35.51 35.70	Limit [dBµV/m] 54.00 74.00 54.00	Margin [dB] 2.44 14.76 1.96	Trace AV PK AV	Pol Ver Ver	larity tical tical
	10 0 2316 NO. 1 2	PK Limit PK Detec Free [MH 2342 2343	lor 7. 59 02 02 79	AV Limit V AV Detector V Reading [dBµV/m] 16.06 23.73	Level [dBµV/m] 51.56 59.24	Frequency[AV Factor [dB] 35.50 35.51	Limit [dBµV/m] 54.00 74.00	Margin [dB] 2.44 14.76	Trace AV PK	Pol Ver Ver Ver	larity tical
	10 0 2316 NO. 1 2	PK Limit PK Detec Free [MH 2342 2343	tor 7- 2] 59 02	AV Limit V AV Detector V Reading [dBµV/m] 16.06 23.73	Level [dBµV/m] 51.56 59.24	Frequency[AV Factor [dB] 35.50 35.51	Limit [dBµV/m] 54.00 74.00	Margin [dB] 2.44 14.76	Trace AV PK	Pol Ver Ver	larity tical tical







						Product I	Model:	X6817		
fest By:		Jane	et			Test mod	le:	802.11b	Tx mode	
Test Chan	nel:	High	nest channel			Polarizat	ion:	Vertical		
Test Volta	ge:	AC	120/60Hz			Environm	nent:	Temp:2	1.8℃ Huni: {	57%
100 90 80 70 10 70 10 80 70 10 80 80 80 80 80 80 80 80 80 80 80 80 80					FCC PART 1	5 C	1		FCC PART 15 C-PK Limit	
30 20 10	0 0 0 		2.4616G — AV Limit — Ve ♦ AV Detector	24664G 24712 rtical PK — Vertical	Frequency[H	2.4808G [z]	2.4856G	24904G	2.4952G 2.5	ōG
30 20 10 2.	00 00 0452G PK	< Limit —	— AV Limit —— Ve		Frequency[H		24856G Margin [dB]	2.4904G	2.4952G 2.5 Polarity	GG
30 20 10 2.4	10 10 1452G PK	Climit C Detector Freq.	AV Limit Ve AV Detector	rtical PK — Vertical	Frequency(H AV Factor	Limit	Margin			5G
30 20 10 2.	10	Freq. [MHz]	AV Limit Ve AV Detector Ve AV Detector [dBµV/m] 22.40 14.52	rtical PK Vertical Level [dBµV/m]	Frequency(H AV Factor [dB] 35.72 35.72	Limit [dBµV/m]	Margin [dB]	Trace PK AV	Polarity	G
30 20 10 2.	10	Freq. [MHz] 2483.50	AV Limit Ve ♦ AV Detector Reading [dBµV/m] 22.40 14.52 24.20	Level [dBµV/m] 58.12	Frequency(F AV Factor [dB] 35.72 35.72 35.71	Limit [dBµV/m] 74.00	Margin [dB] 15.88	Trace	Polarity Vertical	G
30 20 10 2. 2.	IO. 1 2 2 2 3 2 4 2	Freq. [MHz] 2483.50 2483.50 2485.18 2485.82	AV Limit Ve AV Detector Ve AV Detector Reading [dBµV/m] 22.40 14.52 24.20 15.50	Level [dBµV/m] 58.12 50.24 59.91 51.21	Frequency(H AV Factor [dB] 35.72 35.72 35.71 35.71	Limit [dBµV/m] 74.00 54.00 74.00 54.00	Margin [dB] 15.88 3.76 14.09 2.79	Trace PK AV PK AV	Polarity Vertical Vertical Vertical Vertical	5G
	IO. 1 2 2 2 3 2 4 2 5 2	Freq. [MHz] 2483.50 2485.18	AV Limit Ve ♦ AV Detector Reading [dBµV/m] 22.40 14.52 24.20	rtical PK	Frequency(F AV Factor [dB] 35.72 35.72 35.71	Limit [dBµV/m] 74.00 54.00 74.00	Margin [dB] 15.88 3.76 14.09	Trace PK AV PK	Polarity Vertical Vertical Vertical	5G



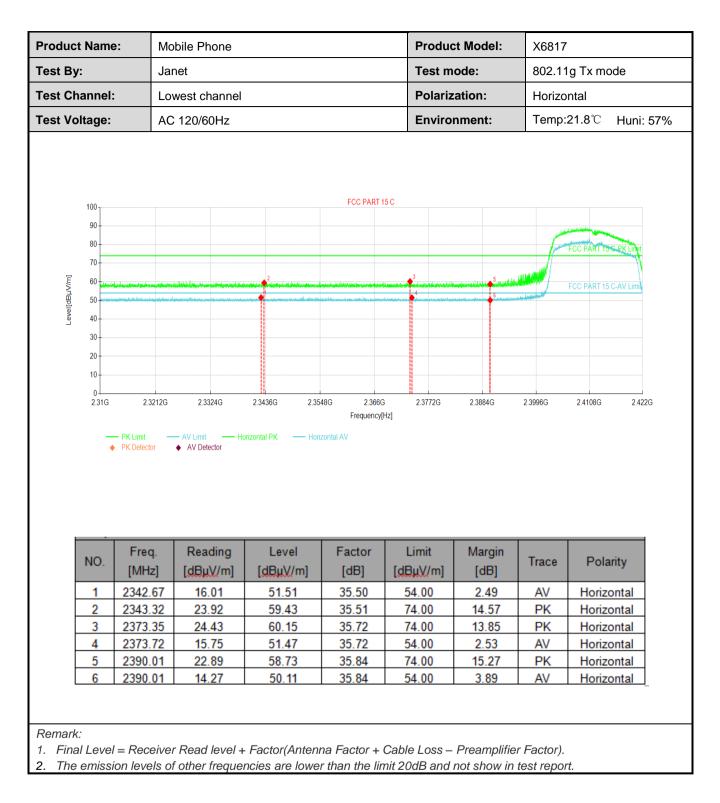
	e: Mo	bile Phone			Product	Model:	X6817		
fest By:	Ja	net			Test mo	de:	802.11b	o Tx mode	
est Channe	l: Hig	hest channel			Polarizat	tion:	Horizon	ital	
est Voltage	: AC	120/60Hz			Environ	ment:	Temp:2	1.8℃ Huni:	57%
100 90 80 70 60 50 40				FCC PART 1	5 C		3 ••••••••••••••••••••••••••••••••••••	FCC PART 15 C-PK Lin	
30 20 10 2.4520			2.4664G 2.471 orizontal PK — Hon	Frequency[ł	2.4808G iz]	2.4856G	2.4904G	2.4952G 2	2.5G
30 20 10 2.4520	— PK Limit	— AV Limit — He		Frequency[ł		2.4856G Margin [dB]	2.4904G	2.4952G 2	2.5G
	PK Limit PK Detector Freq.	AV Limit He AV Detector	orizontal PK — Hori Level	Frequency() zontal AV Factor	Limit	Margin			2.5G
30 20 10 2.4520 NO.	PK Limit PK Detector Freq. [MHz]	AV Limit H	orizontal PK — Hori Level [dBµV/m]	Frequency(F zontal AV	Limit [dBµV/m]	Margin [dB]	Trace	Polarity	2.56
30 20 10 2.4520 NO. 1	 PK Limit PK Detector Freq. [MHz] 2483.50 	AV Limit He AV Detector He Reading [dBµV/m] 22.15	Level [dBµV/m] 57.87	Frequency(F zontal AV Factor [dB] 35.72	Limit [dBµV/m] 74.00	Margin [dB] 16.13	Trace	Polarity Horizontal	2.56
30 20 10 2.4520 NO. 1 2	 PK Limit PK Detector Freq. [MHz] 2483.50 2483.50 	AV Limit H AV Detector H Reading [dBµV/m] 22.15 13.96	Level [dBµV/m] 57.87 49.68	Frequency(F zontal AV Factor [dB] 35.72 35.72	Limit [dBµV/m] 74.00 54.00	Margin [dB] 16.13 4.32	Trace PK AV	Polarity Horizontal Horizontal	2.56
30 20 10 2.4520 NO. 1 2 3	 PK Limit PK Detector Freq. [MHz] 2483.50 2491.03 	AV Limit H AV Detector H Reading [dBµV/m] 22.15 13.96 23.85	Level [dBµV/m] 57.87 49.68 59.55	Frequency[F zontal AV Factor [dB] 35.72 35.72 35.70	Limit [dBµV/m] 74.00 54.00 74.00	Margin [dB] 16.13 4.32 14.45	Trace PK AV PK	Polarity Horizontal Horizontal Horizontal	2.56



802.11g mode:

	ne: N	lobile Phone			Product	Model:	X6817		
est By:	J	anet			Test mo	de:	802.11	g Tx moo	de
est Channe	el: L	owest channel			Polariza	tion:	Vertical	I	
est Voltage	e: A	C 120/60Hz			Environ	ment:	Temp:2	21.8℃	Huni: 57%
100 - 90 - 80 - 70 - Europio 50 - 80 - 70 - Europio 50 - 80 - 70 - 70 - 70 - 70 - 70 - 70 - 70 - 7		An Sandar ang San ang San		FCC PART 15 (3 		FCC PART 15	
30 - 20 - 10 - 0 - 231	G 2.32120 PK Limit PK Detector		2.3436G 2.35 ertical PK — Vertical	Frequency[Hz	2.3772G	2.3884G	2.3996G	2.4108G	2.422G
30 - 20 - 10 - 0 -	PK Limit PK Detector	— AV Limit — V		Frequency[Hz		23884G Margin [dB]	23996G Trace	2.4108G	_
30- 20- 10- 0- 231	PK Limit PK Detector	AV Limit	ertical PK Vertical Level	Frequency[Hz	Limit	Margin			rity
30- 20- 10- 231	PK Limit PK Detector Freq. [MHz]	AV Limit V AV Detector V Reading [dBµV/m]	ertical PK — Vertical Level [dBµV/m]	Frequency[Hz	Limit [dBµV/m]	Margin [dB]	Trace	Pola	rity
30- 20- 10- 2.31	PK Limit PK Detector Freq. [MHz] 2348.79	AV Limit V AV Detector V Reading [dBµV/m] 24.47	Level [dBµV/m] 60.02	Frequency[Hz	Limit [dBµV/m] 74.00	Margin [dB] 13.98	Trace	Pola	rity cal cal
30- 20- 10- 0_ 231 NO. 1 2	 PK Limit PK Detector Freq. [MHz] 2348.79 2349.15 	AV Limit V	Level [dBµV/m] 60.02 51.30	Frequency[Hz	Limit [dBµV/m] 74.00 54.00	Margin [dB] 13.98 2.70	Trace PK AV	Pola Verti Verti	rity cal cal cal
30- 20- 10- 0- 231 NO. 1 2 3	 PK Limit PK Detector Freq. [MHz] 2349.15 2381.49 	AV Limit V AV Detector V Reading [dBµV/m] 24.47 15.75 25.06	Level [dBµV/m] 60.02 51.30 60.84	Frequency[Hz AV Factor [dB] 35.55 35.55 35.78	Limit [dBµV/m] 74.00 54.00 74.00	Margin [dB] 13.98 2.70 13.16	Trace PK AV PK	Pola Verti Verti Verti	rity cal cal cal cal







	Name		bile Phone			Product	Model:	X6817	7	
est By:		Ja	net			Test mo	de:	802.1	1g Tx mo	ode
est Cha	annel:	Hiç	ghest channel			Polariza	tion:	Vertic	al	
est Vol	tage:	AC	2120/60Hz			Environ	ment:	Temp	: 21.8 ℃	Huni: 579
Level[dBµV/m]	100 90 80 70 60 50				FCC PART 1		a la color de color de la c	3	FCC PART 15 C	S-PK Limit
revel[d	40 30 20 10 0 2.452G	2.4568G - PK Limit - PK Detector	2.4616G — AV Limit — Ve AV Detector	2.4664G 2.471 ertical PK — Vertical	Frequency[H	2.4808G [z]	2.4856G	2.4904G	2.4952G	2.5G
revel[d	30 20 10 0 2.452G	– PK Limit –	— AV Limit — Ve		Frequency[H		2.4856G Margin [dB]	2.4904G Trace	2.4952G Polar	
Level[d	30 20 10 0 2.452G	PK Limit PK Detector	AV Limit Ve AV Detector	ertical PK — Vertical Level	Frequency[F	Iz]	Margin			ity
	30 20 10 0 2.452G	PK Limit PK Detector Freq. [MHz]	AV Limit Ve AV Detector Ve	ertical PK — Vertical Level [dBµV/m]	Frequency[F	Limit [dBµV/m]	Margin [dB]	Trace	Polar	ity cal
	30 20 10 0 2.452G	Freq. [MHz] 2483.50	AV Limit Ve AV Detector Ve	Level [dBµV/m] 57.99	Frequency[F AV Factor [dB] 35.72	Limit [dBµV/m] 74.00	Margin [dB] 16.01	Trace	Polar Vertic	ity cal
	30 20 10 0 2.452G NO. 1 2	PK Limit PK Delector Freq. [MHz] 2483.50 2483.50	AV Limit Ve AV Detector Ve Reading [dBµV/m] 22.27 14.88	Level [dBµV/m] 57.99 50.60	Frequency[F AV Factor [dB] 35.72 35.72	Limit [dBµV/m] 74.00 54.00	Margin [dB] 16.01 3.40	Trace PK AV	Polar Vertic Vertic	ity :al :al
	30 20 10 0 2.452G NO. 1 2 3	PK Limit PK Detector Freq. [MHz] 2483.50 2483.50 2489.66	AV Limit Ve AV Detector Ve Reading [dBµV/m] 22.27 14.88 24.18	Level [dBµV/m] 57.99 50.60 59.88	Frequency[F AV Factor [dB] 35.72 35.72 35.70	Limit [dBµV/m] 74.00 54.00 74.00	Margin [dB] 16.01 3.40 14.12	Trace PK AV PK	Polar Vertic Vertic Vertic	ity :al :al :al



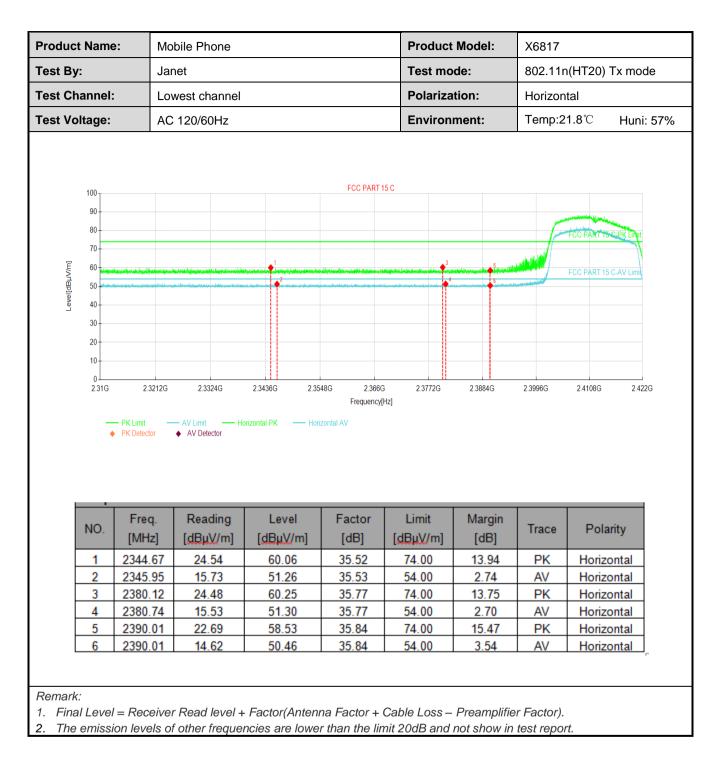
			bile Phone			Produc	t Model:	X6817		
est By:		Jar	et			Test m	ode:	802.11	g Tx mode	
est Cha	annel:	Hig	hest channel			Polariz	ation:	Horizo	ntal	
est Volt	tage:	AC	120/60Hz			Enviro	nment:	Temp:	21.8℃ Hu	ni: 57%
	100 90 80 70 60 50				FCC PART 15		1.1	3 10 h	FCC PART 15 C-PK Li	mit i
Level[dBµV/m]	40 30 20 10 0 2.452G	2.4568G – PK Limit – PK Detector	2.4616G — AV Limit — Ho ◆ AV Detector	2.4664G 2.471 prizontal PK — Hori	12G 2.476G Frequency(H: zontal AV	2.4808G z]	2.4856G	2.4904G	2.4952G	2.5G
	30 20 10 0	– PK Limit –	— AV Limit — Ho		Frequency[H		2.4856G Margin [dB]	2 4904G	2.4952G Polarity	256
	30 20 10 0 2.452G	Freq. [MHz] 2483.50	AV Limit → Ho AV Detector → AV Detector → AV Detector → Ho Reading [dBµV/m] 22.28	Level [dBµV/m] 58.00	Frequency[H zontal AV Factor [dB] 35.72	Limit [dBµV/m] 74.00	Margin [dB] 16.00	Trace	Polarity Horizontal	
	30 20 10 0 2.452G	Freq. [MHz] 2483.50 2483.50	AV Limit → Ho AV Detector →	Level [dBµV/m] 58.00 50.32	Frequency(H zontal AV Factor [dB] 35.72 35.72	Limit [dBµV/m] 74.00 54.00	Margin [dB] 16.00 3.68	Trace PK AV	Polarity Horizontal Horizontal	
	30 20 10 0 2.452G	PK Limit PK Detector Freq. [MHz] 2483.50 2483.50 2491.94	AV Limit Ho AV Detector Ho AV Detector Ho Reading [dBµV/m] 22.28 14.60 24.92	Level [dBµV/m] 58.00 50.32 60.62	Frequency(H zontal AV Factor [dB] 35.72 35.72 35.70	Limit [dBµV/m] 74.00 54.00 74.00	Margin [dB] 16.00 3.68 13.38	Trace PK AV PK	Polarity Horizontal Horizontal Horizontal	
	30 20 10 0 2.452G • • • •	PK Limit PK Detector Freq. [MHz] 2483.50 2483.50 2491.94 2492.83	AV Limit Ho AV Detector Ho AV Detector Reading [dBµV/m] 22.28 14.60 24.92 15.91	Level [dBµV/m] 58.00 50.32 60.62 51.61	Frequency(H zontal AV Factor [dB] 35.72 35.72 35.70 35.70	Limit [dBµV/m] 74.00 54.00 74.00 54.00	Margin [dB] 16.00 3.68 13.38 2.39	Trace PK AV PK AV	Polarity Horizontal Horizontal Horizontal Horizontal	
	30 20 10 0 2.452G	PK Limit PK Detector Freq. [MHz] 2483.50 2483.50 2491.94	AV Limit Ho AV Detector Ho AV Detector Ho Reading [dBµV/m] 22.28 14.60 24.92	Level [dBµV/m] 58.00 50.32 60.62	Frequency(H zontal AV Factor [dB] 35.72 35.72 35.70	Limit [dBµV/m] 74.00 54.00 74.00	Margin [dB] 16.00 3.68 13.38	Trace PK AV PK	Polarity Horizontal Horizontal Horizontal	





	Name		ile Phone			Product I	Model:	X6817		
st By:		Jane	et			Test mod	le:	802.11n	n(HT20)	Tx mode
st Cha	nnel:	Low	est channel			Polarizat	ion:	Vertical		
st Volta	age:	AC 2	20/60Hz			Environm	nent:	Temp:2	1.8 ℃	Huni: 57
	100 90 80 70 60 50	uga ki sa shi shi ka shi			FCC PART 1:	5 C	• • • • • • • • • • • • • • • • • • •	LIN NUM	FCC PART 1	
	40 30 20 10 0 2.31G	2.3212G - PK Limit – PK Detector	2.3324G AV Limit Ve AV Detector	23436G 2.354 ertical PK — Vertical	Frequency[H		2.3884G	2.3996G	2.4108G	2.422G
	30 20 10 0 2.31G	– PK Limit –	— AV Limit — Ve		Frequency[H		2.3884G Margin [dB]	2.3996G Trace		2.422G
	30 20 10 0 2.31G	- PK Limit - PK Detector - PK	AV Limit Ve AV Detector	ertical PK — Vertical	Frequency[F AV Factor	z] Limit	Margin		Pol	
	30 20 10 0 231G	Freq. [MHz] 2346.26 2346.34	AV Limit Ve AV Detector Ve Reading [dBµV/m] 15.71 24.22	Level [dBµV/m] 51.24 59.75	Frequency(F AV Factor [dB] 35.53 35.53	Limit [dBµV/m] 54.00 74.00	Margin [dB] 2.76 14.25	Trace	Pol	arity
	30 20 10 231G	Freq. [MHz] 2346.26 2383.73	AV Limit Ve AV Detector Ve	Level [dBµV/m] 51.24	Frequency(F AV Factor [dB] 35.53 35.53 35.79	Limit [dBµV/m] 54.00 74.00 54.00	Margin [dB] 2.76 14.25 2.53	Trace	Pol Ver Ver	arity
	30 20 10 0 2.31G • NO. 1 2 3 4	Freq. [MHz] 2346.26 2383.73 2386.81	AV Limit Ve AV Detector Ve AV Detector Ve (dBµV/m] 15.71 24.22 15.68 24.55	Level [dBµV/m] 51.24 59.75 51.47 60.37	Frequency(F AV Factor [dB] 35.53 35.53 35.79 35.82	Limit [dBµV/m] 54.00 74.00 54.00 74.00	Margin [dB] 2.76 14.25 2.53 13.63	Trace AV PK AV PK	Pol Ver Ver Ver	arity tical tical tical tical
	30 20 10 0 2.31G	Freq. [MHz] 2346.26 2383.73	AV Limit Ve AV Detector Ve Reading [dBµV/m] 15.71 24.22 15.68	Level [dBµV/m] 51.24 59.75 51.47	Frequency(F AV Factor [dB] 35.53 35.53 35.79	Limit [dBµV/m] 54.00 74.00 54.00	Margin [dB] 2.76 14.25 2.53	Trace AV PK AV	Pol Ver Ver Ver Ver	arity tical tical

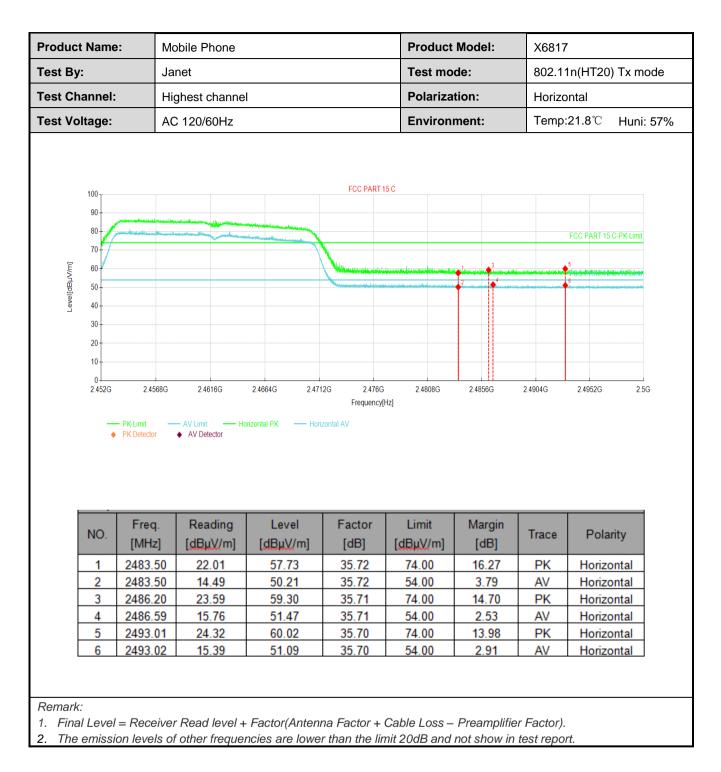






est By:	Ja					Product Model:		X6817		
	00	Janet			Test mo	Test mode:		802.11n(HT20) Tx mode		
est Channel	: Hi	ghest channe	I	Polarization: Vertical						
est Voltage:	A	C 120/60Hz			Enviror	nment:	Temp:21.8℃		Huni: 57%	
100 90 80 70 70 60				FCC PART 1	5C	1 4 1 2	ill di un di scher di la di un di scher	FCC PART 15 C	S-PK Limit	
	2.4568G PK Limit PK Detector	24616G AV Limit Ve AV Detector	2.4664G 2.471 ertical PK — Vertical	Frequency[ł	2.4808G [t2]	2.4856G	2.4904G	2.4952G	2.5G	
30 20 10	PK Limit PK Detector	AV Limit Va • AV Detector	ertical PK — Vertical	Frequency[i AV Factor	tz]	Margin	24904G	24952G Polar		
30 20 10 0 2.452G	PK Limit PK Defector	AV Limit Ve AV Detector Ve	ertical PK — Vertical Level [dBµV/m]	Frequency[I AV Factor [dB]	Limit	Margin [dB]	Trace	Polar	ity	
30 20 10 0 2.452G NO. 1	Freq. [MHz] 2483.50	AV Limit Va AV Detector Va Reading [dBµV/m] 21.84	Level [dBµV/m] 57.56	Frequency[i AV Factor [dB] 35.72	Limit [dBµV/m] 74.00	Margin [dB] 16.44	Trace	Polar	ity	
30 20 10 0 2.452G NO. 1 2	PK Limit - PK Detector - Freq. [MHz] 2483.50 - 2483.50 -	AV Limit AV Detector Reading [dBµV/m] 21.84 14.60	Level [dBµV/m] 57.56 50.32	Frequency[i AV Factor [dB] 35.72 35.72	Limit [dBµV/m] 74.00 54.00	Margin [dB] 16.44 3.68	Trace PK AV	Polar Vertic Vertic	ity cal	
30 20 10 0 2.452G NO. 1 2 3	PK Limit PK Detector Freq. [MHz] 2483.50 2484.76	AV Limit AV Detector Reading [dBµV/m] 21.84 14.60 15.91	Level [dBµV/m] 57.56 50.32 51.63	Frequency[i AV Factor [dB] 35.72 35.72 35.72	Limit [dBµV/m] 74.00 54.00 54.00	Margin [dB] 16.44 3.68 2.37	Trace PK AV AV	Polar Vertic Vertic Vertic	ity cal cal	
30 20 10 0 2.452G NO. 1 2	PK Limit - PK Detector - Freq. [MHz] 2483.50 - 2483.50 -	AV Limit AV Detector Reading [dBµV/m] 21.84 14.60	Level [dBµV/m] 57.56 50.32	Frequency[i AV Factor [dB] 35.72 35.72	Limit [dBµV/m] 74.00 54.00	Margin [dB] 16.44 3.68	Trace PK AV	Polar Vertic Vertic	ity cal cal cal cal	



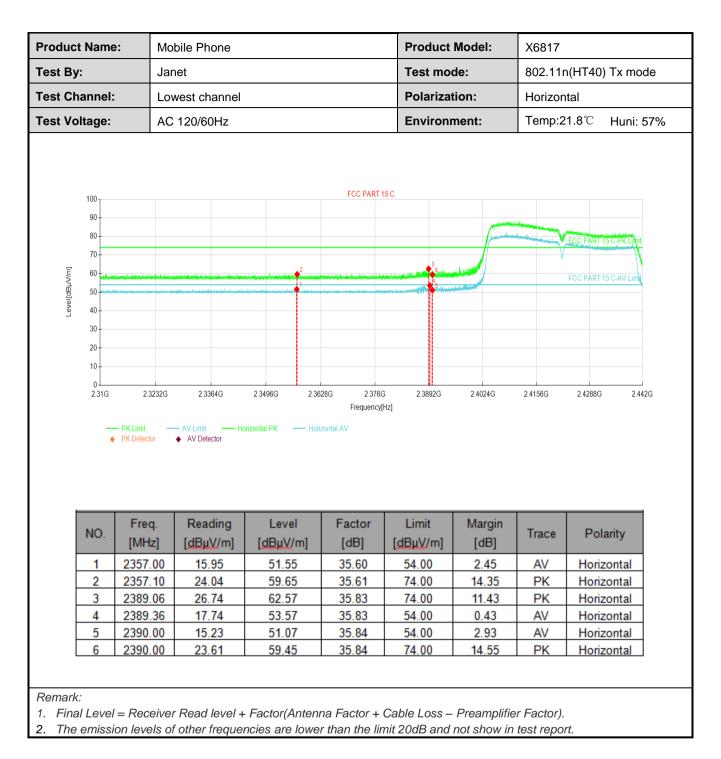




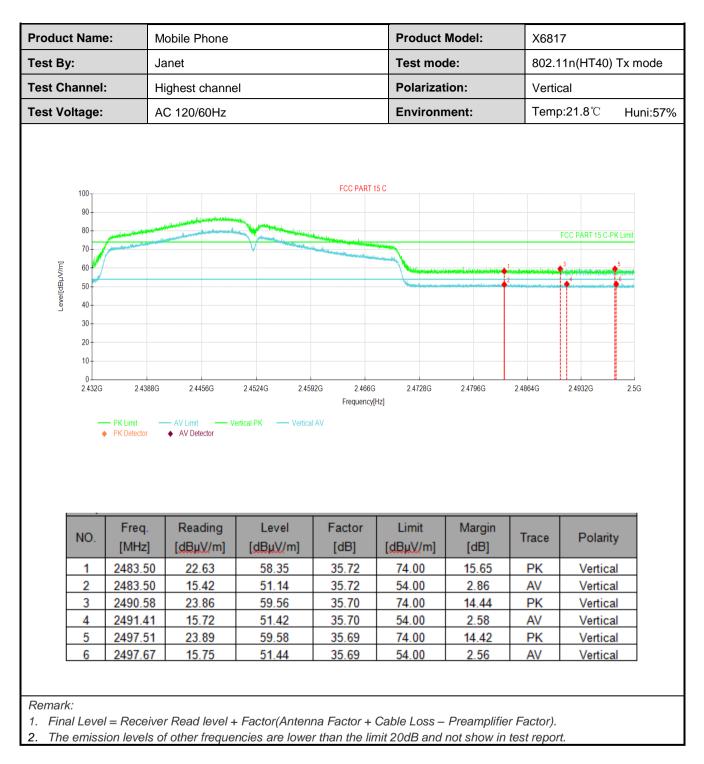
802.11n(HT40):

	Name			Phone Product I				X6817	X6817	
st By:		Jar	iet			Test mo	Test mode: Polarization:		1n(HT40) Tx mode
st Char	nnel:	Lov	vest channel			Polariza			Vertical	
st Volta	age:	AC	120/60Hz			Environ	ment:	Temp:21.8℃ Huni: 57		
el[dBµV/m]	100 90 80 70 60 40			2 	FCC PART 15	C		deresta angela Anerodota Angela V	ECC PART 15 FCC PART 15	
		2.3232G - PK Limit PK Detector		2 3496G 2 36 /ertical PK — Vertica	Frequency[Hz	2.3892G]	2 4024G	2.4156G	2.4288G	2.442G
	20 10 0 2.31G	- PK Limit	— AV Limit — V		Frequency[Hz		24024G Margin [dB]	2.4156G	24288G Pola	
	20 10 0 2.31G	Freq. [MHz] 2351.31	AV Limit V AV Detector V Reading [dBµV/m] 16.23	Level [dBµV/m] 51.79	Frequency[Hz AV Factor [dB] 35.56	Limit [dBµV/m] 54.00	Margin [dB] 2.21	Trace	Pola	rity
	20 10 0 2.31G • NO. 1 2	- PK Limit PK Detector Freq. [MHz] 2351.31 2353.21	AV Limit V	Level [dBµV/m] 51.79 59.46	Frequency[Hz AV Factor [dB] 35.56 35.58	Limit [dBµV/m] 54.00 74.00	Margin [dB] 2.21 14.54	Trace AV PK	Pola Verti Verti	rity cal cal
N	20 10 0 2.31G • • • • • • • • • • • • •	Freq. [MHz] 2351.31 2387.83	AV Limit V AV Detector V Reading [dBµV/m] 16.23 23.88 17.61	Level [dBµV/m] 51.79 59.46 53.43	Frequency(Hz AV [dB] 35.56 35.58 35.82	Limit [dBµV/m] 54.00 74.00 54.00	Margin [dB] 2.21 14.54 0.57	Trace AV PK AV	Pola Verti Verti Verti	rity cal cal cal
N	20 10 0 2.31G VO. 1 2 3 4	- PK Limit PK Detector [MHz] 2351.31 2353.21 2387.83 2389.33	AV Limit AV Detector Reading [dBµV/m] 16.23 23.88 17.61 25.53	Level [dBµV/m] 51.79 59.46 53.43 61.36	Frequency(Hz AV [dB] 35.56 35.58 35.82 35.83	Limit [dBµV/m] 54.00 74.00 54.00 74.00	Margin [dB] 2.21 14.54 0.57 12.64	Trace AV PK AV PK	Pola Verti Verti Verti Verti	rity cal cal cal cal
И 	20 10 0 2.31G • • • • • • • • • • • • •	Freq. [MHz] 2351.31 2387.83	AV Limit V AV Detector V Reading [dBµV/m] 16.23 23.88 17.61	Level [dBµV/m] 51.79 59.46 53.43	Frequency(Hz AV [dB] 35.56 35.58 35.82	Limit [dBµV/m] 54.00 74.00 54.00	Margin [dB] 2.21 14.54 0.57	Trace AV PK AV	Pola Verti Verti Verti	rity cal cal cal cal cal











Product	roduct Name:		bile Phone			Product	Model:	X6817	7	
Fest By:	:	Ja	net	Test mode:		de:	802.11n(HT40) Tx mod			
Test Cha	annel:	Hiç	ghest channel	l		Polariza	tion:	Horizo	zontal	
Fest Vol	est Voltage:		AC 120/60Hz				ment:	Temp	: 21.8 ℃	Huni: 57%
Leve[dBj,V/m]	100 90 80 70 60 50 40				FCC PART 15	c			FCC PART 15 C-	PK Limit
Leve	30 20 10 0 2.432G		2.4456G — AV Limit — Hol ◆ AV Detector	2 4524G 2 459; rizontal PK — Horiz	Frequency[H	2 4728G z]	2.4796G	2.4864G	2.4932G	2.56
Leve	20 10 0 2.432G	– PK Limit –	— AV Limit — Ho		Frequency[H		24796G Margin [dB]	2.4864G	2.4932G Polarit	_
Leve	20 10 0 2.432G	- PK Limit PK Detector Freq.	AV Limit Hol AV Detector	rizontal PK — Horiz	Frequency(H ontal AV Factor	Limit	Margin			ţy
	20 10 0 2.432G • NO. 1 2	Freq. [MHz]	AV Limit Ho AV Detector Reading [dBµV/m] 22.78 15.45	Level [dBµV/m] 58.50 51.17	Frequency(H ontal AV Factor [dB] 35.72 35.72	Limit [dBµV/m] 74.00 54.00	Margin [dB] 15.50 2.83	Trace PK AV	Polari Horizor Horizor	ty Ital
	20 10 2,432G • NO. 1 2 3	Freq. [MHz] 2483.50 2487.98	AV Limit Ho AV Detector Ho AV Detector [dBµV/m] 22.78 15.45 15.66	Level [dBμV/m] 58.50 51.17 51.37	Frequency(H ontal AV Factor [dB] 35.72 35.72 35.71	Limit [dBµV/m] 74.00 54.00 54.00	Margin [dB] 15.50 2.83 2.63	Trace PK AV AV	Polari Horizor Horizor Horizor	ty Ital Ital
Leve	20 10 0 2.432G NO. 1 2 3 4	Freq. [MHz] 2483.50 2487.98 2488.27	AV Limit Ho AV Detector Ho AV Detector Reading [dBµV/m] 22.78 15.45 15.66 23.68	Level [dBµV/m] 58.50 51.17 51.37 59.39	Frequency(H ontal AV Factor [dB] 35.72 35.72 35.71 35.71	Limit [dBµV/m] 74.00 54.00 54.00 74.00	Margin [dB] 15.50 2.83 2.63 14.61	Trace PK AV AV PK	Polari Horizor Horizor Horizor	ty Ital Ital Ital
Leve	20 10 2,432G • NO. 1 2 3	Freq. [MHz] 2483.50 2487.98	AV Limit Ho AV Detector Ho AV Detector [dBµV/m] 22.78 15.45 15.66	Level [dBμV/m] 58.50 51.17 51.37	Frequency(H ontal AV Factor [dB] 35.72 35.72 35.71	Limit [dBµV/m] 74.00 54.00 54.00	Margin [dB] 15.50 2.83 2.63	Trace PK AV AV	Polari Horizor Horizor Horizor	ty Ital Ital Ital Ital



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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
Test setup:	
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Measurement Data:	Refer to Appendix A - 2.4G WIFI



6.7.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Se	ection 15.	.209 ar	nd 15.205			
Test Frequency Range:	9kHz to 25GHz						
Test Distance:	3m						
Receiver setup:	Frequency	Deteo	ctor	RBW	V	BW	Remark
	30MHz-1GHz	Quasi-	peak	120KHz	300)KHz	Quasi-peak Value
	Above 1GHz	Pea		1MHz		ЛНz	Peak Value
		RM		1MHz		ИНz	Average Value
Limit:		1-	Limi	t (dBuV/m @3	m)	0	Remark
	30MHz-88MH 88MHz-216MH			<u>40.0</u> 43.5			uasi-peak Value uasi-peak Value
	216MHz-960M			46.0			uasi-peak Value
	960MHz-1GH			54.0			uasi-peak Value
				54.0			Average Value
	Above 1GHz 1. The EUT was			74.0			Peak Value
	 The table was highest radial The EUT was antenna, white tower. The antenna ground to det horizontal and measuremen For each sus and then the and the rota to maximum reas The test-rece Specified Bar If the emission limit specified the EUT wou 10dB margin average meth 	s rotated tion. s set 3 m ch was m height is cermine th d vertical t. pected e antenna able was ading. viver syste dwidth v on level o d, then te ld be rep would be	360 de eters a nounted varied he max l polari: mission was tu s turned em was vith Ma f the El sting co orted. (e re-tes	egrees to det way from the d on the top of from one me kimum value of zations of the n, the EUT waned to height d from 0 degr s set to Peak aximum Hold UT in peak mould be stopp Otherwise the sted one by o	ermin e inter of a va eter to of the e ante as arr s fror ees to Dete node v oed ar e emis ne us	e the p ference ariable- o four m field s nna are ranged n 1 me o 360 c ct Fund was 10 nd the p ssions ing pea	height antenna neters above the trength. Both e set to make the to its worst case ter to 4 meters degrees to find the ction and dB lower than the peak values of that did not have ak, quasi-peak or
Test setup:	Below 1GHz		4m 4m 1m 1m			5	

Project No.: JYTSZE2112074



Report No: JYTSZB-R12-2102945

	Horn Artenna Tower Horn Artenna Tower Horn Artenna 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 lower than the limit 20dB, so only shows the data of above 30MHz in this report.

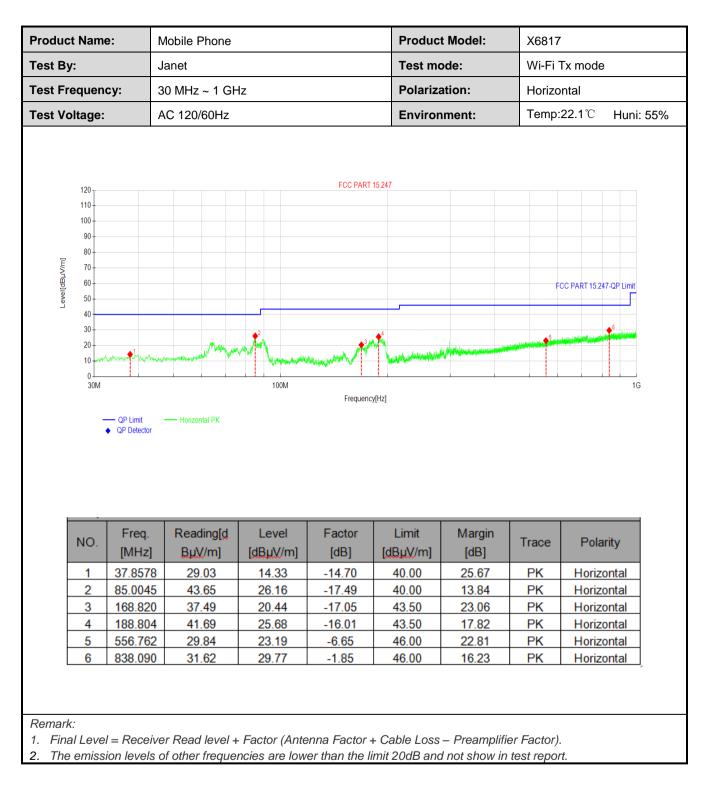


Measurement Data (worst case):

Below 1GHz:

		lobile Phone			Troduco	Product Model:		X6817		
Fest By:	J	anet			Test mo	ode:	Wi-Fi T	Tx mode		
Test Frequen	icy: 3	0 MHz ~ 1 GH	z		Polariza	Polarization:		Vertical		
Fest Voltage	: A	C 120/60Hz			Enviror	nment:	Temp:	22.1 ℃	Huni: 55	
120 110 100 90 80 70 60 60 50 40 30	1 1 1 1 1			FCC PART 1	15 247			CC PART 1524	7-QP Limit	
20 10 0 30M	QP Limit QP Detector	- Vertical PK	100M	Frequency	(Hz)				16	
10	QP Limit		Level	Frequency Factor [dB]	(Hz]	Margin [dB]	Trace	Polar		
10 0 30M	QP Limit QP Detector Freq.	- Vertical PK	Level	Factor	Limit	-	Trace	Polar	ity	
10 0 30M	QP Limit QP Detector Freq. [MHz]	Vertical PK	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	[dB]			rity cal	
10 0 30M	QP Limit QP Detector Freq. [MHz] 32.4252	Vertical PK Reading[d BuV/m] 48.35	Level [dBµV/m] 32.75	Factor [dB] -15.60	Limit [dBµV/m] 40.00	[dB] 7.25	PK PK PK	Verti	ity cal	
10 0 30M NO. 1 2 3 4	 QP Limit QP Detector Freq. [MHz] 32.4252 63.6624 98.5859 191.812 		Level [dBµV/m] 32.75 33.10 23.43 23.06	Factor [dB] -15.60 -15.47 -16.43 -15.83	Limit [dBµV/m] 40.00 40.00 43.50 43.50	[dB] 7.25 6.90 20.07 20.44	PK PK PK PK	Vertio Vertio Vertio Vertio	ity cal cal cal cal	
10 0 30M NO. 1 2 3	 QP Limit QP Detector Freq. [MHz] 32.4252 63.6624 98.5859 		Level [dBµV/m] 32.75 33.10 23.43	Factor [dB] -15.60 -15.47 -16.43	Limit [dBµV/m] 40.00 40.00 43.50	[dB] 7.25 6.90 20.07	PK PK PK	Vertio Vertio Vertio	ity cal cal cal cal cal	







Above 1GHz

			802.11b			
			annel: Lowest ch tector: Peak Valu			
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	64.35	-9.46	54.89	74.00	19.11	Vertical
4824.00	65.93	-9.46	56.47	74.00	17.53	Horizonta
		Dete	ctor: Average Va	llue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	62.02	-9.46	52.56	54.00	1.44	Vertical
4824.00	62.05	-9.46	52.59	54.00	1.41	Horizonta
			annel: Middle ch			
		De	tector: Peak Valu			
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	64.81	-9.11	55.70	74.00	18.30	Vertical
4874.00	65.73	-9.11	56.62	74.00	17.38	Horizonta
	T	Dete	ctor: Average Va	llue	1	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	61.96	-9.11	52.85	54.00	1.15	Vertical
4874.00	61.38	-9.11	52.27	54.00	1.73	Horizonta
			annel: Highest cl			
	T	De	tector: Peak Valu		T	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4924.00	64.92	-8.74	56.18	74.00	17.82	Vertical
4924.00	65.71	-8.74	56.97	74.00	17.03	Horizonta
	T	Dete	ctor: Average Va	llue	1	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4924.00	61.03	-8.74	52.29	54.00	1.71	Vertical
	61.52	-8.74	52.78	54.00	1.22	Horizonta



			802.11g			
			annel: Lowest ch			
_	I =	De	tector: Peak Valu		[
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	64.09	-9.46	54.63	74.00	19.37	Vertical
4824.00	66.01	-9.46	56.55	74.00	17.45	Horizonta
		Dete	ctor: Average Va	lue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	61.46	-9.46	52.00	54.00	2.00	Vertical
4824.00	61.66	-9.46	52.20	54.00	1.80	Horizonta
		Test ch	annel: Middle ch	annel		
	1	De	tector: Peak Valu	Ie	T	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	64.05	-9.11	54.94	74.00	19.06	Vertical
4874.00	65.57	-9.11	56.46	74.00	17.54	Horizonta
		Dete	ctor: Average Va	llue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	61.39	-9.11	52.28	54.00	1.72	Vertical
4874.00	61.93	-9.11	52.82	54.00	1.18	Horizonta
			annel: Highest ch tector: Peak Valu			
Frequency	Read Level	DC	Level	Limit Line	Margin	
(MHz)	(dBuV)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Polarizatio
4924.00	63.77	-8.74	55.03	74.00	18.97	Vertical
4924.00	66.45	-8.74	57.71	74.00	16.29	Horizonta
		Dete	ctor: Average Va	llue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4924.00	61.00	-8.74	52.26	54.00	1.74	Vertical
4924.00	61.12	-8.74	52.38	54.00	1.62	Horizonta
	Receiver Read level		er than the limit 200	B and not show in te	est report	



			802.11n(HT20)	annal		
			annel: Lowest ch			
	Des la st	De	tector: Peak Valu		Manaia	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	64.71	-9.46	55.25	74.00	18.75	Vertical
4824.00	65.97	-9.46	56.51	74.00	17.49	Horizonta
		Dete	ctor: Average Va	lue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	61.39	-9.46	51.93	54.00	2.07	Vertical
4824.00	62.15	-9.46	52.69	54.00	1.31	Horizonta
		Test ch	annel: Middle ch	annel		
		Det	tector: Peak Valu	e		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	64.52	-9.11	55.41	74.00	18.59	Vertical
4874.00	66.15	-9.11	57.04	74.00	16.96	Horizonta
		Dete	ctor: Average Va	lue		-
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	61.59	-9.11	52.48	54.00	1.52	Vertical
4874.00	61.34	-9.11	52.23	54.00	1.77	Horizonta
		Test ch	annel: Highest cł	nannel		
		Det	tector: Peak Valu	le		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4924.00	64.28	-8.74	55.54	74.00	18.46	Vertical
4924.00	65.96	-8.74	57.22	74.00	16.78	Horizonta
		Dete	ctor: Average Va	lue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4924.00	61.51	-8.74	52.77	54.00	1.23	Vertical
4924.00	61.08	-8.74	52.34	54.00	1.66	Horizonta



			802.11n(HT40) annel: Lowest ch	annol		
			tector: Peak Valu			
Frequency	Read Level		Level	Limit Line	Margin	
(MHz)	(dBuV)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Polarizatio
4844.00	65.06	-9.32	55.74	74.00	18.26	Vertical
4844.00	66.36	-9.32	57.04	74.00	16.96	Horizonta
	1	Dete	ctor: Average Va	lue	1	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4844.00	61.14	-9.32	51.82	54.00	2.18	Vertical
4844.00	61.25	-9.32	51.93	54.00	2.07	Horizonta
		Toot ob	annel: Middle ch	oppol		
			ector: Peak Valu			
Frequency	Read Level	Det	Level	Limit Line	Margin	
(MHz)	(dBuV)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Polarizatio
4874.00	65.46	-9.11	56.35	74.00	17.65	Vertical
4874.00	66.36	-9.11	57.25	74.00	16.75	Horizonta
		Dete	ctor: Average Va	lue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	61.49	-9.11	52.38	54.00	1.62	Vertical
4874.00	61.41	-9.11	52.30	54.00	1.70	Horizonta
		Test cha	annel: Highest ch	annel		
		Det	ector: Peak Valu	е		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4904.00	65.08	-8.90	56.18	74.00	17.82	Vertical
4904.00	66.48	-8.90	57.58	74.00	16.42	Horizonta
		Dete	ctor: Average Va	lue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4904.00	61.19	-8.90	52.29	54.00	1.71	Vertical
4904.00	60.99	-8.90	52.09	54.00	1.91	Horizonta