

Report No: JYTSZB-R12-2100604

FCC REPORT

Applicant:	TECNO MOBILE LIMITED
Address of Applicant:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31- 35 SHAN MEI STREET FOTAN NT
Equipment Under Test (B	EUT)
Product Name:	Mobile Phone
Model No.:	W5006S
Trade mark:	TECNO
FCC ID:	2ADYY-W5006S
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Date of sample receipt:	21 Apr., 2021
Date of Test:	22 Apr., to 22 Jun., 2021
Date of report issued:	23 Jun., 2021
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.

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Version 2

Version No.	Date	Description
00	23 Jun., 2021	Original

Tested by:

Janet Wei Test Engineer

Date: 23 Jun., 2021

23 Jun., 2021

Winner thang Reviewed by:

Project Engineer

Date:

Project No.: JYTSZE2104081



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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		
Conducted Peak Output Power	15.247 (b)(3)	Appendix A - BLE	Pass		
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Appendix A - BLE	Pass		
Power Spectral Density	15.247 (e)	Appendix A - BLE	Pass		
Conducted Band Edge		Appendix A - BLE	Pass		
Radiated Band Edge	15.247 (d)	See Section 6.6.2	Pass		
Conducted Spurious Emission	15.205 & 15.209	Appendix A - BLE	Pass		
Radiated Spurious Emission	15.205 & 15.209	See Section 6.7.2	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). ANSI C63.10-2013					
Test Method: KDB 558074 D01 15.247	Meas Guidance v05r02				



5 General Information

5.1 Client Information

Applicant:	TECNO MOBILE LIMITED
Address:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT
Manufacturer:	TECNO MOBILE LIMITED
Address:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT
Factory:	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.:	W5006S
Operation Frequency:	2402-2480 MHz
Channel numbers:	40
Channel separation:	2 MHz
Modulation technology:	GFSK
Data speed :	1Mbps
Antenna Type:	Internal Antenna
Antenna gain:	1.21 dBi
Power supply:	Rechargeable Li-ion Battery DC3.8V, 2400mAh
AC adapter:	Model: A18A-050100U-US2
	Input: AC100-240V, 50/60Hz, 0.2A
	Output: DC 5.0V, 1A
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 mode

Operating Environment:

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

Radiated Emission: 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)	±5.16 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.20 dB (k=2)

5.6 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 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.

• 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>

5.7 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@ccis-cb.com, Website: http://www.ccis-cb.com



5.8 Test Instruments list

Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	966	01-19-2021	01-18-2024
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-03-2021	03-02-2022
Biconical Antenna	SCHWARZBECK	VUBA9117	359	06-18-2020	06-17-2021
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-03-2021	03-02-2022
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-18-2020	06-17-2021
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-18-2020	11-17-2021
EMI Test Software	AUDIX	E3	V	/ersion: 6.110919b	
Pre-amplifier	HP	8447D	2944A09358	03-03-2021	03-02-2022
Pre-amplifier	CD	PAP-1G18	11804	03-03-2021	03-02-2022
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-03-2021	03-02-2022
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-18-2020	11-17-2021
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-03-2021	03-02-2022
Spectrum Analyzer	Agilent	N9020A	MY50510123	11-18-2020	11-17-2021
Signal Generator	Rohde & Schwarz	SMX	835454/016	03-03-2021	03-02-2022
Signal Generator	R&S	SMR20	1008100050	03-03-2021	03-02-2022
RF Switch Unit	MWRFTEST	MW200	N/A	N/A	N/A
Test Software	MWRFTEST	MTS8200		Version: 2.0.0.0	
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-03-2021	03-02-2022
Cable	MICRO-COAX	MFR64639	K10742-5	03-03-2021	03-02-2022
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-03-2021	03-02-2022
DC Power Supply	XinNuoEr	WYK-10020K	1409050110020	09-25-2020	09-24-2021
Temperature Humidity Chamber	HengPu	HPGDS-500	20140828008	11-01-2020	10-31-2021
Simulated Station	Rohde & Schwarz	CMW500	140493	07-22-2020	07-21-2021

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	03-03-2021	03-02-2022	
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-03-2021	03-02-2022	
LISN	CHASE	MN2050D	1447	03-03-2021	03-02-2022	
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	06-18-2020	06-17-2021	
Cable	HP	10503A	N/A	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	11-27-2020	11-26-2021
Vector Signal Generator	Keysight	N5182B	MY59101009	11-27-2020	11-26-2021
Analog Signal Generator	Keysight	N5173B	MY59100765	11-27-2020	11-26-2021
Power Detector Box	MWRF-test	MW100-PSB	MW201020JYT	11-27-2020	11-26-2021
Simulated Station	Rohde & Schwarz	CMW270	102335	11-27-2020	11-26-2021
RF Control Box	MWRF-test	MW100-RFCB	MW200927JYT	N/A	N/A
PDU	MWRF-test	XY-G10	N/A	N/A	N/A
Test Software	MWRF-tes	MTS 8310	Version: 2.0.0.0		
DC Power Supply	Keysight	E3642A	MY60296194	11-27-2020	11-26-2021



Test results and Measurement Data 6

6.1 Antenna requirement:

Standard requirement:	FCC Part 15 C Section 15.203 /247(b)
15.203 requirement:	
An intentional radiator shall responsible party shall be us antenna that uses a unique so that a broken antenna ca electrical connector is prohil 15.247(b) (4) requirement: (4) The conducted output po antennas with directional ga	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 ans that do not exceed 6 dBi. Except as shown in paragraph (c) of this anas of directional gain greater than 6 dBi are used, the conducted output
power from the intentional ra	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 BLE antenna is an Interr antenna is 1.21 dBi.	hal antenna which cannot replace by end-user, the best-case gain of the



6.2 Conducted Emission

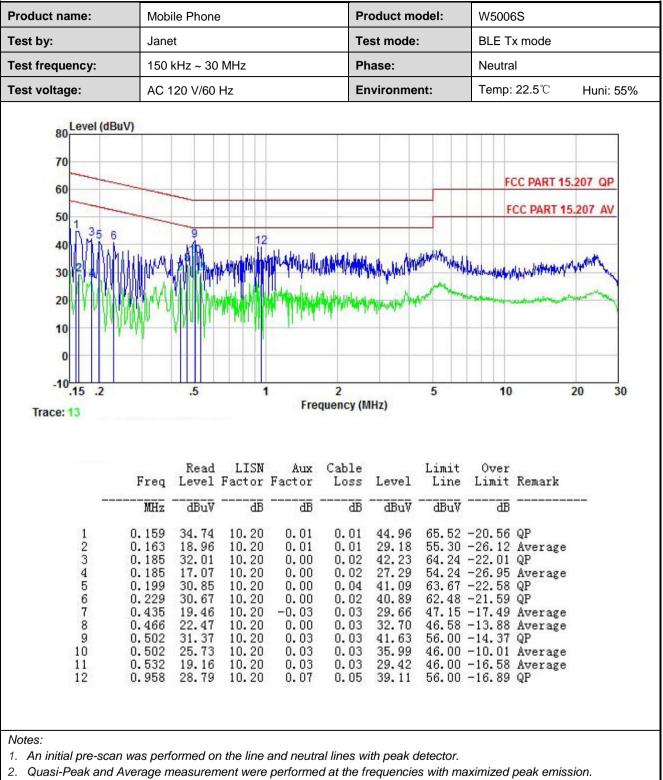
Test Requirement:	FCC Part 15 C Section 15.207	7					
Test Frequency Range:	150 kHz to 30 MHz						
Class / Severity:	Class B						
Receiver setup:	RBW=9kHz, VBW=30kHz						
Limit:	Frequency range (MHz)	Limit (,				
	· · · · · · · · · · · · · · · · · · ·	Quasi-peak	Average				
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	5-30 * Decreases with the logarithm	60	50				
Test procedure:	 The E.U.T and simulators line impedance stabilizati 50ohm/50uH coupling im The peripheral devices ar LISN that provides a 50ol termination. (Please refer photographs). Both sides of A.C. line ard interference. In order to fi positions of equipment ar according to ANSI C63.10 	are connected to the ma on network (L.I.S.N.), wh pedance for the measuring re also connected to the hm/50uH coupling imped to the block diagram of the checked for maximum and the maximum emission and all of the interface cab	hich provides a ng equipment. main power through a ance with 500hm the test setup and conducted on, the relative les must be changed				
Test setup:	Reference	80cm Filter EMI Receiver	– AC power				
Test Instruments:	Refer to section 5.9 for details						
Test mode:	Refer to section 5.3 for details						
Test results:	Passed						



Measurement Data:

Product name:	Mobil	Mobile PhoneProduct model:W5006SJanetTest mode:BLE Tx mode150 kHz ~ 30 MHzPhase:Line			Pr	oduct mo	odel:	W5006S		
Test by:	Janet					BLE Tx mode				
Test frequency:	150 k									
Test voltage:	AC 1	20 V/60 I	Hz		En	Environment:		Temp: 22.5℃ Huni: 559		
80 Level (dl 70 60 50 12 40 30 20 10 -10 .15 .2 Trace: 15		579		and the second se	۲ ^۳ ۳۲ ۲ 2 quency (M	The second secon	5		CC PART 15	
	Freq MHz	Read Level	LISN Factor 	Aux Factor dB	Cable Loss dB	Level	Limit Line dBuV	Over Limit aB	Remark	
1 2 3 4 5 6 7 8 9	0.154 0.166 0.166	34.85 35.05 21.57 22.26 34.79 26.22 33.11 25.22 33.71 24.14 24.39	10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20	-0.06 -0.09 -0.09 0.33 0.11 -0.12 -0.15 -0.32 -0.32 0.05 0.30	0.01 0.01 0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03	45.00 45.17 31.69 32.83 45.13 36.56 43.22 35.30 43.62 34.05 34.68 43.01	$\begin{array}{c} 65.\ 78\\ 65.\ 16\\ 55.\ 16\\ 47.\ 64\\ 57.\ 11\\ 47.\ 11\\ 56.\ 58\\ 46.\ 49\\ 56.\ 10\\ 46.\ 10\\ 46.\ 00 \end{array}$	-20.78 -19.99 -23.47 -14.81 -11.98 -10.55 -13.36 -11.19 -12.48 -12.05	QP Average QP Average QP Average QP Average Average	

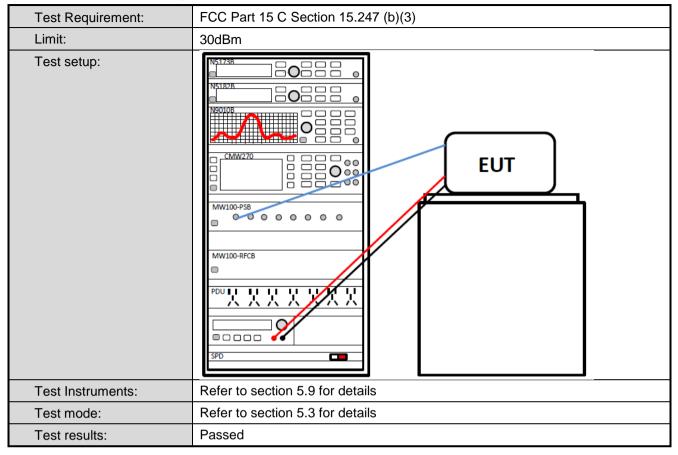




3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.

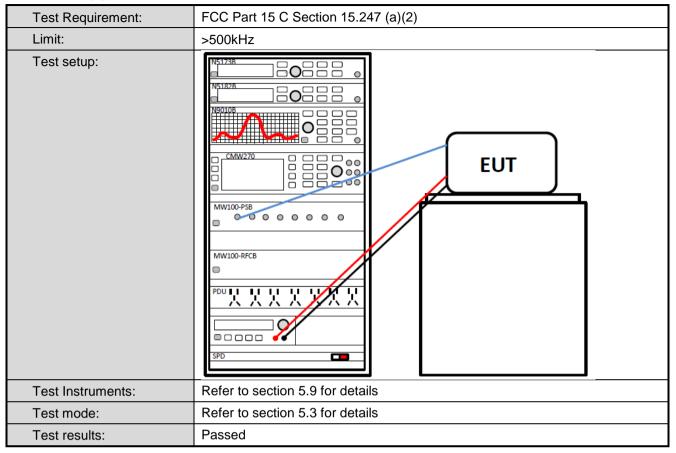


6.3 Conducted Output Power



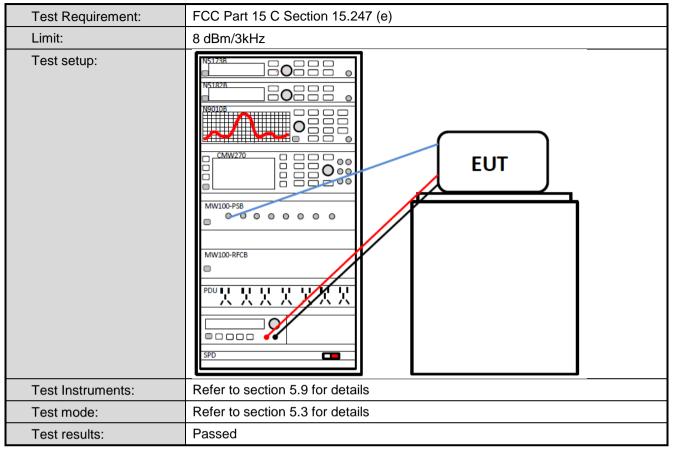


6.4 Occupy Bandwidth





6.5 Power Spectral Density





6.6 Band Edge

6.6.1 Conducted Emission Method

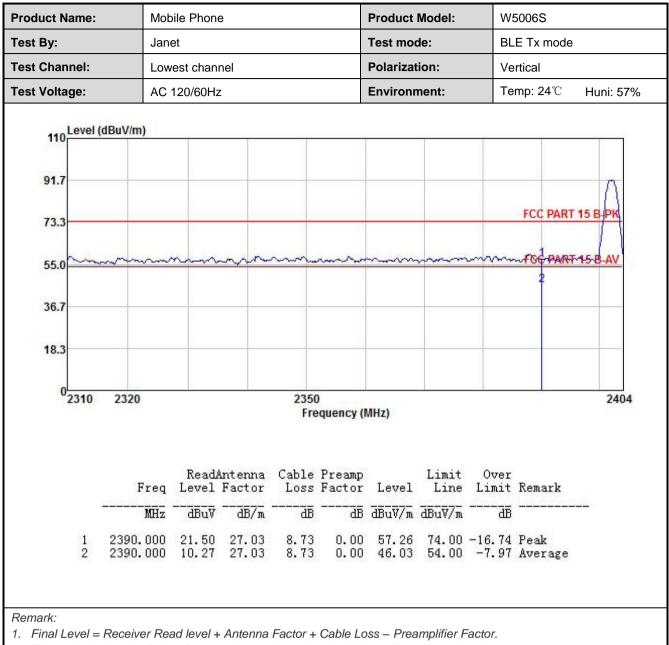
Test Requirement:	FCC Part 15 C Section 15.247 (d)					
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth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



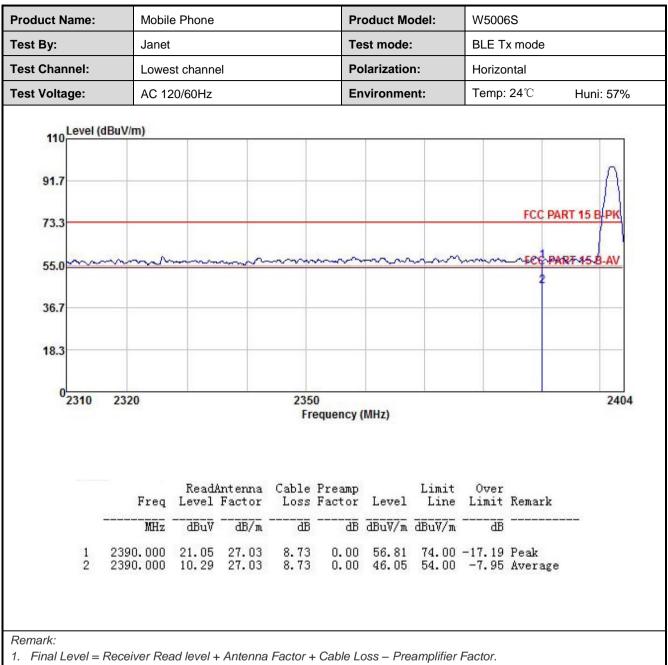
6.6.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C	C Section 15.	205 and 15.209				
Test Frequency Range:	2310 MHz to 2	2390 MHz an	d 2483.5MHz to 2	2500 MH	Iz		
Test Distance:	3m						
Receiver setup:	Frequency	Detector	RBW	VBW	V Remark		
	Above 1GHz	Peak	1MHz	3MH			
		RMS	1MHz	3MH	U U		
Limit:	Frequen	icy	Limit (dBuV/m @3m) 54.00		Remark Average Value		
	Above 10	GHz –	<u> </u>		Peak Value		
Test Procedure:	 the groun to determ 2. The EUT antenna, tower. 3. The anter the groun Both horiz make the 4. For each case and meters ar to find the 5. The test-r Specified 6. If the emis the limit s of the EU have 10 c 	d at a 3 meter ine the positives was set 3 meters which was meters and height is d to determing contal and very measureme suspected end then the anter d the rota takes maximum re- receiver systers Bandwidth very ssion level of pecified, the T would be rota B margin wood	er camber. The ta ion of the highest eters away from t iounted on the top varied from one in the the maximum entical polarization nt. mission, the EUT enna was tuned to ble was turned fr eading. em was set to Pe with Maximum Ho f the EUT in peak in testing could be eported. Otherwis ould be re-tested	ble was i radiation he interfe o of a var meter to f value of t is of the a was arra o heights om 0 deg ak Detec: Id Mode. stopped se the em one by or	erence-receiving riable-height antenna four meters above the field strength. antenna are set to anged to its worst a from 1 meter to 4 grees to 360 degrees et Function and		
Test setup:		EUT urntable) Gro Test Receive	Horn Antenna 3m und Reference Plane ar Pre- Amptier Con	Antenna Tower			
Test Instruments:	Refer to section	on 5.9 for det	ails				
Test mode:	Refer to section	on 5.3 for det	ails				
Test results:	Passed						





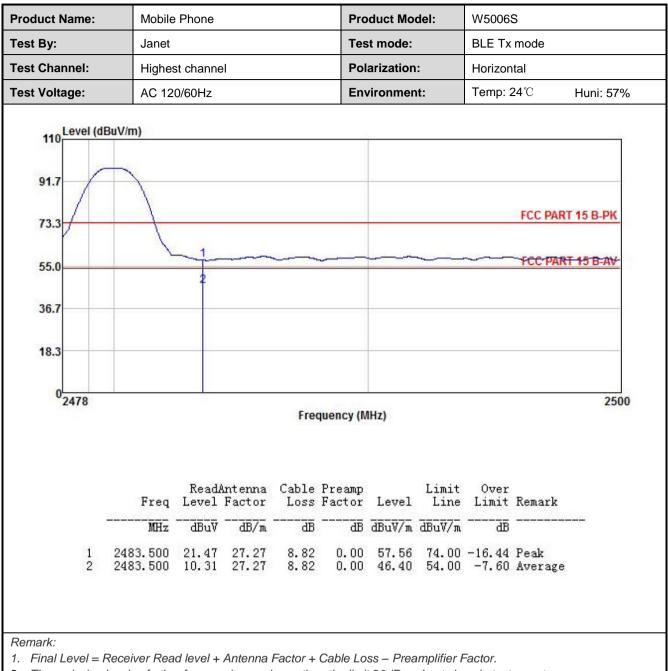














6.7 Spurious Emission

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:						
Test Instruments:	Refer to section 5.9 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					



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 Det		r	RBW		W	Remark	
	30MHz-1GHz Quasi-		ak	120KHz 300I		KHz	Quasi-peak Value	
		Peak			3M	Hz	Peak Value	
	Above 1GHz	RMS		1MHz	3M	3MHz Average Va		
Limit:	Frequency	/	Limit (dBuV/m @3m)		Remark			
	30MHz-88M	Hz		40.0		Quasi-peak Value		
	88MHz-216N			43.5			uasi-peak Value	
	216MHz-960			46.0			uasi-peak Value	
	960MHz-1G	Hz		54.0			aluasi-peak Value	
	Above 1GF	lz –		54.0			Average Value	
Test Procedure:	1. The EUT			74.0			Peak Value table 0.8m(below	
	 The table of highest rad The EUT antenna, we tower. The antenna the ground Both horizon make the m For each as case and the meters and to find the m The test-results of the limit spot the limit spot the EUT have 10 dE 	was rotated liation. was set 3 hich was m ha height is to determ ontal and w neasureme suspected hen the and the rota ta maximum m eceiver sys andwidth v sion level o ecified, the would be a margin wo	d 36 3 me mour is vanine verti- ent. emi nteni able read stern with of the ente repo ould	50 degrees t eters away f nted on the t aried from or the maximu cal polarizat ssion, the E na was tuned ing. n was set Maximum H e EUT in pe sting could to orted. Other be re-tested	o deter from the cop of a ne met um valicions of EUT was do to he from 0 to Pea old Mo oak moo co stop wise th d one b	mine e inte varial er to f ue of the a as arra eights degre k Det de. de was ped ar e emis y one	a 3 meter camber. the position of the erference-receiving ble-height antenna four meters above the field strength. antenna are set to anged to its worst from 1 meter to 4 ses to 360 degrees tect Function and a 10 dB lower than nd the peak values ssions that did not using peak, quasi- reported in a data	
Test setup:		3m <	-			Antenna Search Antenn Test eiver —	1	

Project No.: JYTSZE2104081



	Horn Antenna Tower Horn Antenna Tower UTUTTABLE 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:

_		Mobile Phone			Product Mo	del:	W5006S					
Fest By:		Janet Test mode:					BLE Tx mo	ode				
Test Frequer	ncy:	30 MHz ~ 1 G	GHz		Polarization:		Vertical			Vertical		
Test Voltage	:	AC 120/60Hz	<u>.</u>		Environmer	nt:	Temp: 24°	C Huni: 579				
80 70 60 50 40 30				FCC PART	15.247		FCC PART 1	5.247-QP Limit				
30 20 10 0 30M	QP Limit QP Detec	vertica	100M al PK	Frequency	/[Hz]	5		1G				
20 10 0	QP Limit ◆ QP Detec	tor Reading⊮	al PK Level↩	Factor⊌	Limit⊌	5 Margin⊮ rdB1	Trace	no de la construir 1G Polarity.₽				
20 10 0 30M	← QP Limit ◆ QP Detect	tor Reading⊮ [dBμV/m]⊮	al PK Level↩ [dBµV/m]↩	Factor↩ [dB]↩	Limit⊌ [dBµV/m]₽	[dB]↩		Polarity₽				
20 10 0 30M	QP Limit ◆ QP Detect Freq.4 [MHz]4 31.74624	Reading⊮ [dBμV/m]⊮ 52.82⊮	al PK Level↩ [dBµV/m]↩ 34.75↩	Factor⊌ [dB]⊌ -18.07⊮	Limit⊮ [dBµV/m]⊮ 40.00⊮	[dB]∉ 5.25₽	PK₽	Polarity.∂ Vertical₁3				
20 10 0 30M	← QP Limit ◆ QP Detec Freq4 [MHz]-2 31.7462+2 92.0862+2	Reading.↓ [dBµV/m]↓ 52.82↓ 45.90↓	Level↩ [dBµV/m]↩ 34.75↩ 26.49↩	Factor⊌ [dB]₽ -18.07₽ -19.41₽	Limit+ [dBµV/m]+ ³ 40.00+ ³ 43.50+ ³	[dB]₽ 5.25₽ 17.01₽	PKe PKe	Polarity⊮ Vertical⊮ Vertical⊮				
20 10 0 30M	← QP Limit ◆ QP Detect Freq4 [MHz]-4 31.7462+3 92.0862+3 120.025	Reading.↓ [dBµV/m]↓ 52.82↓ 45.90↓ 39.35↓	Level↔ [dBµV/m]↔ 34.75↔ 26.49↔ 21.20↔	Factor⊌ [dB]₽ -18.07₽ -19.41₽ -18.15₽	Limit↩ [dBµV/m]↩ 40.00↩ 43.50↩ 43.50↩	[dB]∉ 5.25∉ 17.01∉ 22.30₽	PKe PKe PKe	Polarity⊮ Vertical∗ Vertical∗ Vertical∗				
20 10 0 30M	← QP Limit ◆ QP Detec Freq4 [MHz]-2 31.7462+2 92.0862+2	Reading.↓ [dBµV/m]↓ 52.82↓ 45.90↓	Level↩ [dBµV/m]↩ 34.75↩ 26.49↩	Factor⊌ [dB]₽ -18.07₽ -19.41₽	Limit+ [dBµV/m]+ ³ 40.00+ ³ 43.50+ ³	[dB]₽ 5.25₽ 17.01₽	PKe PKe	Polarity⊮ Vertical⊮ Vertical⊮				



riouucti	Name	:	Mobile Phone				del:	W5006S		
Fest By:			Janet			Test mode:		BLE Tx mode		
Test Fred	st Frequency:		30 MHz ~ 1 GHz Pola			Polarization	:	Horizont	al	
Test Volt	age:		AC 120/60Hz			Environmen	it:	Temp: 24°C Huni: 579		
Level[dBµV/m]	80 70 60 50 40 30 20 10				FCC PART 1	5.247	5	FCC PART	15.247-QP Limit	
	0 ! 30M	u QP Limit QP Detec	tor	ntal PK	Frequency	[Hz]	.1	_ + _ +	1G	
Ν	v .	QP Limit QP Detec Freq.≁ [MHz]₽	Horizo tor Reading⊮ [dBµV/m]∛		Frequency Factor⊮ [dB]₽	[Hz] Limit⊷ [dBµV/m]⊷	Margin∉ [dB]∉	Trace⊷	Polarity#	
Л	30M	Freq.≁	Reading⊮ [dBµV/m]⊮ 31.37⊮	Level [dBµV/m]₽ 13.52₽	Factor⊭	Limit↩ [dBµV/m]↩ 40.00↩	_	Trace⊷ PK⊷		
	30M	Freq.4/ [MHz]4/ 32.71634/ 96.25764/	Reading⊮ [dBµV/m]⊮ 31.37⊮ 34.05⊮	Level↔ [dBµV/m]↔ 13.52↔ 15.14↔	Factor⊌ [dB]⊌ -17.85₽ -18.91₽	Limit↩ [dBµV/m]↩ 40.00↩ 43.50↩	[dB].₀ 26.48.₀ 28.36.₀	PK₽ PK₽	Polarity⊮ Horizontal⊮ Horizontal⊮	
	30M 10.0 20 30	Freq.4 [MHz]4 32.71634 96.25764 122.062	Reading⊮ [dBµV/m]≁ 31.37≁ 34.05≁ 37.66≁	Level↔ [dBµV/m]↔ 13.52↔ 15.14↔ 19.26↔	Factor⊌ [dB]₽ -17.85₽ -18.91₽ -18.40₽	Limit↔ [dBµV/m]↔ 40.00↔ 43.50↔ 43.50↔	[dB]∉ 26.48∉ 28.36∉ 24.24∉	PK₽ PK₽ PK₽	Polarity Horizontal Horizontal Horizontal	
	30M 10.4 24 34 44	Freq.+ [MHz]+ 32.7163+ 96.2576+ 122.062 269.517	Reading.⊌ [dBµV/m].₽ 31.37.₽ 34.05.₽ 37.66.₽ 41.63.₽	Level↔ [dBµV/m]↔ 13.52↔ 15.14↔ 19.26↔ 26.90↔	Factor [dB] -17.85 -18.91 -18.40 -18.40 -14.73	Limit↔ [dBµV/m]↔ 40.00↔ 43.50↔ 43.50↔ 46.00↔	[dB].∂ 26.48.4 28.36.4 24.24.4 19.10.4	PKe PKe PKe PKe	Polarity Horizontal Horizontal Horizontal Horizontal Horizontal	
	30M 10.0 20 30	Freq.4 [MHz]4 32.71634 96.25764 122.062	Reading⊮ [dBµV/m]≁ 31.37≁ 34.05≁ 37.66≁	Level↔ [dBµV/m]↔ 13.52↔ 15.14↔ 19.26↔	Factor⊌ [dB]₽ -17.85₽ -18.91₽ -18.40₽	Limit↔ [dBµV/m]↔ 40.00↔ 43.50↔ 43.50↔	[dB]∉ 26.48∉ 28.36∉ 24.24∉	PK₽ PK₽ PK₽	Polarity Horizontal Horizontal Horizontal	

3. The Aux Factor is a notch filter switch box loss, this item is not used.



Above 1GHz

		Test ch	annel: Lowest ch	nannel							
			tector: Peak Valu								
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization					
4804.00	56.28	-10.39	45.89	74.00	28.11	Vertical					
4804.00	56.55	-10.39	46.16	74.00	27.84	Horizontal					
	Detector: Average Value										
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization					
4804.00	48.31	-10.39	37.92	54.00	16.08	Vertical					
4804.00	48.40	-10.39	38.01	54.00	15.99	Horizontal					
		Test ch	annel: Middle ch	annel							
		Det	tector: Peak Valu	le	1						
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization					
4884.00	55.93	-10.18	45.75	74.00	28.25	Vertical					
4884.00	56.57	-10.18	46.39	74.00	27.61	Horizontal					
		Dete	ctor: Average Va	alue							
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization					
4884.00	48.61	-10.18	38.43	54.00	15.57	Vertical					
4884.00	48.79	-10.18	38.61	54.00	15.39	Horizontal					
		Test ch	annel: Highest cl	nannel							
		Det	tector: Peak Valu	le							
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization					
4960.00	56.28	-10.12	46.16	74.00	27.84	Vertical					
4960.00	56.60	-10.12	46.48	74.00	27.52	Horizontal					
		Dete	ctor: Average Va	alue							
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization					
4960.00	48.60	-10.12	38.48	54.00	15.52	Vertical					
4960.00	48.35	-10.12	38.23	54.00	15.77	Horizontal					
4960.00 Frequency (MHz) 4960.00 4960.00 <i>Remark:</i>	56.60 Read Level (dBuV) 48.60	-10.12 Dete Factor(dB) -10.12 -10.12	46.48 ctor: Average Va Level (dBuV/m) 38.48	74.00 alue Limit Line (dBuV/m) 54.00	27.52 Margin (dB) 15.52	Horizonta Polarizatio Vertical					