

JianYan Testing Group Shenzhen Co., Ltd.

Report No.: JYTSZ-R12-2400306

FCC RF Test Report

Report No.: JYTSZ-R12-2400306

Applicant: TECNO MOBILE LIMITED

Address of Applicant: FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE

19-25 SHAN MEI STREET FOTAN NT HONGKONG

Equipment Under Test (EUT)

Product Name: Mobile Phone

Model No.: AE11

Trade Mark: TECNO

FCC ID: 2ADYY-AE11

Applicable Standards: FCC CFR Title 47 Part 15C (§15.247)

Date of Sample Receipt: 12 Mar., 2024

Date of Test: 13 Mar., to 15 Apr., 2024

Date of Report Issued: 24 May, 2024

Test Result: PASS

Project by: Date: 24 May, 2024

Reviewed by: 24 May, 2024

Approved by: Date: 24 May, 2024

Manager

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.





1 Version

Version No.	Date	Description
00	24 May, 2024	Original



2 Contents

			Page
С	over Pa	ge	1
1	Vers	sion	2
2	Con	tents	3
3	Gen	eral Information	4
	3.1	Client Information	4
	3.2	General Description of E.U.T.	
	3.3	Test Mode and Test Environment	
	3.4	Description of Test Auxiliary Equipment	5
	3.5	Measurement Uncertainty	
	3.6	Additions to, Deviations, or Exclusions from the Method	5
	3.7	Laboratory Facility	6
	3.8	Laboratory Location	6
	3.9	Test Instruments List	6
4	Mea	surement Setup and Procedure	8
	4.1	Test Channel	8
	4.2	Test Setup	8
	4.3	Test Procedure	10
5	Test	Results	11
	5.1	Summary	11
	5.1.1	Clause and Data Summary	11
	5.1.2	Part Limit	12
	5.2	Antenna requirement	13
	5.3	AC Power Line Conducted Emission	14
	5.4	Emissions in Restricted Frequency Bands	16
	5.5	Emissions in Non-restricted Frequency Rands	32





3 General Information

3.1 Client Information

Applicant:	TECNO MOBILE LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Manufacturer:	TECNO MOBILE LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Factory:	SHENZHEN TECNO TECHNOLOGY CO., LTD.
Address:	101, Building 24, Waijing Industrial Park, Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R.China

3.2 General Description of E.U.T.

Product Name:	Mobile Phone				
Model No.:	AE11				
Operation Frequency:	BLE 1M PHY 2402 MHz - 2480 MHz				
	BLE 2M PHY	2404 MHz - 2478 MHz			
	BLE Coded PHY, S=8	2402 MHz - 2480 MHz			
	BLE Coded PHY, S=2	2402 MHz - 2480 MHz			
Channel Numbers:	40				
Channel Separation:	2MHz				
Modulation Technology:	GFSK				
Data Speed:	1 Mbps (LE 1M PHY), 2 Mbps (LE 2M PHY), 125 kbps (LE Coded PHY, S=8), 500 kbps (LE Coded PHY, S=2)				
Antenna Type:	Internal Antenna				
Antenna Gain:	Unflip: ANT 12: -3.6 dBi (declare by app	olicant)			
	Flip:ANT 12: -4.0 dBi (declare by applic	ant)			
Antenna transmit mode:	SISO (1TX, 1RX)				
Power Supply:	Rechargeable Li-ion Polymer Battery D	C3.91V, 3410mAh &			
	Rechargeable Li-ion Polymer Battery D	C3.91V, 1180mAh			
AC Adapter:	Model: U700TSA				
	Input: AC100-240V, 50/60Hz, 2.0A				
	Output: DC 5.0V, 3.0A 15.0W or 5.0-10.0V, 7.0A MAX or 11.0V, 6.4A MAX or 4.0-20.0V, 3.5A 70.0W MAX				
Test Sample Condition:	The test samples were provided in good working order with no visible defects.				



Report No.: JYTSZ-R12-2400306

3.3 Test Mode and Test Environment

Test Mode:	
Transmitting mode	Keep the EUT in continuous transmitting with modulation

Remark:

- 1. For AC power line conducted emission and radiated spurious emission (below 1GHz), pre-scan all data speed, found 1 Mbps (LE 1M PHY) was worse case mode. The report only reflects the test data of worst mode.
- 2. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report.
- 3. The field strength of spurious radiation emission was pre-scan of flip and unflip states shows that unflip state is the worst mode, and the report only reflects the worst mode.

Operating Environment:	
Temperature:	15℃ ~ 35℃
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 3.91Vdc, Extreme: Low 3.45Vdc, High 4.50Vdc
Test Engineer:	Logan Li (Conducted measurement) Kiran Zeng (Radiated measurement)

3.4 Description of Test Auxiliary Equipment

The EUT has been tested as an independent unit.

3.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Conducted Emission for LISN (9kHz ~ 150kHz)	3.57 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	3.14 dB
Radiated Emission (30MHz ~ 200MHz) (3m SAC)	4.6 dB
Radiated Emission (200MHz ~ 1000MHz) (3m SAC)	5.8 dB
Radiated Emission (1GHz ~ 6GHz) (3m FAR)	4.95 dB
Radiated Emission (6GHz ~ 18GHz) (3m FAR)	5.23 dB
Radiated Emission (18GHz ~ 40GHz) (3m FAR)	5.32 dB

Note: All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

3.6 Additions to, Deviations, or Exclusions from the Method

No

JianYan Testing Group Shenzhen Co., Ltd. Report Template No.: JYTSZ4b-148-C1 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

Report No.: JYTSZ-R12-2400306

3.7 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

3.8 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

3.9 Test Instruments List

Radiated Emission(3m SAC):						
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
3m SAC	ETS	9m*6m*6m	WXJ001-1	04-14-2021	04-13-2024	
Loop Antenna	Schwarzbeck	FMZB 1519 B	WXJ002-4	01-05-2024	01-04-2025	
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	01-09-2024	01-08-2025	
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	01-05-2024	01-04-2025	
Horn Antenna	Horn Antenna Schwarzbeck		WXJ002-5	12-28-2023	12-27-2024	
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	12-27-2023	12-26-2024	
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	12-27-2023	12-26-2024	
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-27-2023	12-26-2024	
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ004-2	09-25-2023	09-24-2024	
Coaxial Cable (30MHz ~ 1GHz) JYTSZ		JYT3M-1G-NN-8M	WXG001-4	01-17-2024	01-16-2025	
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A		
Test Software	Tonscend	TS+	Version: 3.0.0.1			

JianYan Testing Group Shenzhen Co., Ltd. Report Template No.: JYTSZ4b-148-C1 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





Radiated Emission(3m FAR):						
Test Equipment	Manufacturer	Manufacturer Model No. M		Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
3m FAR	YUNYI	9m*6m*6m	WXJ097	06-15-2023	06-14-2028	
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ097-2	07-13-2023	07-12-2024	
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	07-02-2021	07-01-2024	
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ097-3	07-14-2023	07-13-2024	
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	12-28-2023	12-27-2024	
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	12-28-2023	12-27-2024	
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-6	12-28-2023	12-27-2024	
Pre-amplifier	N/LININ/L		05-14-2023	05-13-2024		
(30MHz ~ 1GHz)	YUNYI	PAM-310N	WXJ097-5	04-24-2024	04-23-2025	
Pre-amplifier	N/LININ/L	DAM 440N			05-13-2024	
(1GHz ~ 18GHz)	YUNYI	PAM-118N	WXJ097-6	04-24-2024	04-23-2025	
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	12-28-2023	12-27-2024	
EMI Test Receiver	Rohde & Schwarz	ESCI3	WXJ003	12-27-2023	12-26-2024	
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-27-2023	12-26-2024	
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ081-1	06-13-2023	06-12-2024	
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-13M	WXG097-1	08-01-2023	07-31-2024	
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG097-2	08-01-2023	07-31-2024	
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG097-3	08-01-2023	07-31-2024	
High Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A		
Low Band Reject Filter Group	Tonscend	JS0806-F	WXJ097-4	N/A		
Test Software	Tonscend	TS+		Version: 5.0.0		

Conducted Emission:							
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)		
EMI Test Receiver	Rohde & Schwarz	ESR3	WXJ003-2	07-05-2023	07-04-2024		
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	12-27-2023	12-26-2024		
LISN	LISN Rohde & Schwarz		WXJ005-1	12-27-2023	12-26-2024		
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	01-17-2024	01-16-2025		
RF Switch	TOP PRECISION	TOP PRECISION RSU0301 WXG003 N/A					
Test Software	AUDIX	E3	\	Version: 6.110919b			

Conducted Method:						
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
Spectrum Analyzer	Keysight	N9010B	WXJ004-3	11-01-2023	10-31-2024	
Temperature Humidity Chamber	ZHONG ZHI	CZ-A-80D	WXJ032-3	01-09-2023	01-08-2025	
Power Detector Box	MWRFTEST	MW100-PSB	WXJ007-4	09-25-2023	09-24-2024	
DC Power Supply	Keysight	E3642A	WXJ025-2	N	I/A	
RF Control Unit	MWRFTEST	MW100-RFCB	WXG006	N/A		
Test Software	MWRFTEST	MTS 8310	_	Version: 2.0.0.0		



4 Measurement Setup and Procedure

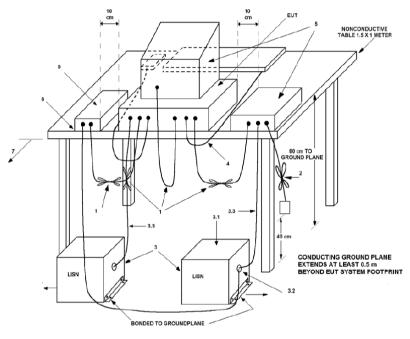
4.1 Test Channel

According to ANSI C63.10-2013 chapter 5.6.1 Table 4 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	20	2442	39	2480

4.2 Test Setup

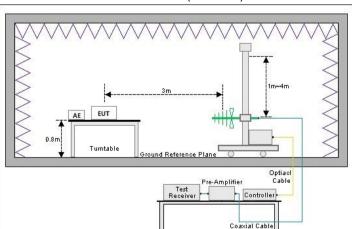
1) Conducted emission measurement:



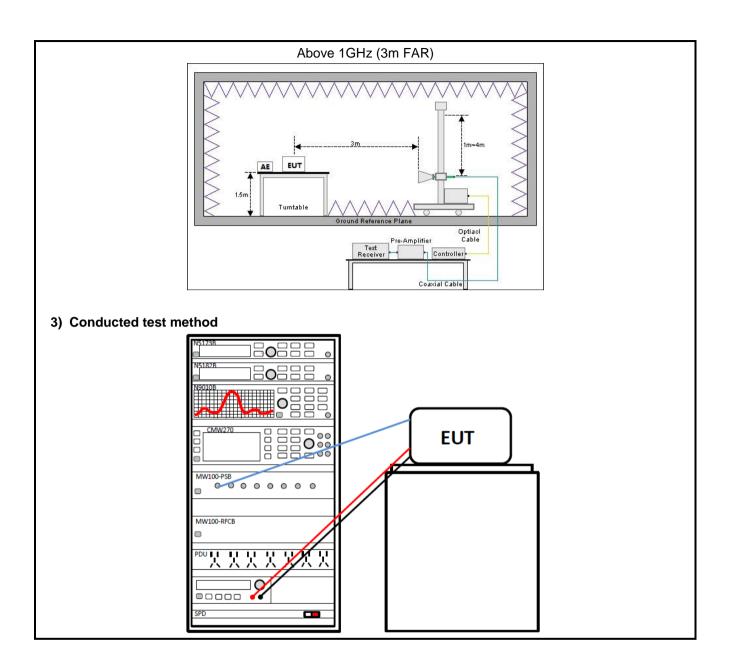
Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

2) Radiated emission measurement:

Below 1GHz (3m SAC)











4.3 Test Procedure

4.5 Test Procedure	
Test method	Test step
Conducted emission	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This 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 C63.10 on conducted measurement.
Radiated emission	For below 1GHz:
aa.aa.ea e.moolon	The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m.
	2. EUT works in each mode of operation that needs to be tested, and having
	the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform
	the test, save the test results, and export the test data. For above 1GHz:
	The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m.
	2. EUT works in each mode of operation that needs to be tested, and having
	the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform
	the test, save the test results, and export the test data.
Conducted test method	The BLE antenna port of EUT was connected to the test port of the test system through an RF cable.
	The EUT is keeping in continuous transmission mode and tested in all modulation modes.
	Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.





5 Test Results

5.1 Summary

5.1.1 Clause and Data Summary

Test items	Standard clause	Test data	Result
Antenna Requirement	15.203 15.247 (b)(4)	See Section 5.2	Pass
AC Power Line Conducted Emission	15.207	See Section 5.3	Pass
Conducted Output Power	15.247 (b)(3)	Appendix A – BLE 1M PHY Appendix B – BLE 2M PHY Appendix C – BLE Coded PHY, S=2 Appendix D – BLE Coded PHY, S=8	Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Appendix A – BLE 1M PHY Appendix B – BLE 2M PHY Appendix C – BLE Coded PHY, S=2 Appendix D – BLE Coded PHY, S=8	Pass
Power Spectral Density	15.247 (e)	Appendix A – BLE 1M PHY Appendix B – BLE 2M PHY Appendix C – BLE Coded PHY, S=2 Appendix D – BLE Coded PHY, S=8	Pass
Band-edge Emission Conduction Spurious Emission	15.247 (d)	Appendix A – BLE 1M PHY Appendix B – BLE 2M PHY Appendix C – BLE Coded PHY, S=2 Appendix D – BLE Coded PHY, S=8	Pass
Emissions in Restricted Frequency Bands	15.205 15.247 (d)	See Section 5.4	Pass
Emissions in Non-restricted Frequency Bands	15.209 15.247(d)	See Section 5.5	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 Method: ANSI C63.10-2013

KDB 558074 D01 15.247 Meas Guidance v05r02



5.1.2 Test Limit

Test items			Lin	nit				
		Frequency		Limit (dE	3μV)			
		(MHz)	Qua	si-Peak	Average			
AC Power Line Conducted		0.15 – 0.5	66 to	56 Note 1	56 to 46 Note 1			
Emission		0.5 – 5		56	46			
		5 – 30		60	50			
		Note 1: The limit level in dBµV decreases linearly with the logarithm of frequency. Note 2: The more stringent limit applies at transition frequencies.						
Conducted Output Power		systems using digital i I 5725-5850 MHz band		the 902-928 N	ИНz, 2400-2483.5 МН	Z,		
6dB Emission Bandwidth	The	e minimum 6 dB bandw	idth shall be a	at least 500 kH	Hz.			
99% Occupied Bandwidth	N/A	1						
Power Spectral Density	inte	digitally modulated synthemics of the and during any time interest.	antenna shall	not be greater	r than 8 dBm in any 3			
Band-edge Emission Conduction Spurious Emission	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. 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. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).							
		Frequency		IBμV/m)	Detector			
	-	(MHz)	@ 3m	@ 10m	Out to	-		
Emissions in Destricted	-	30 – 88	40.0	30.0	Quasi-peak	1		
Emissions in Restricted	-	88 – 216	43.5	33.5	Quasi-peak	+		
Frequency Bands	-	216 – 960	46.0	36.0	Quasi-peak	1		
	960 – 1000 54.0 44.0 Quasi-peak Note: The more stringent limit applies at transition frequencies.							
Emissions in Non-restricted Frequency Bands			applies at transition	Limit (dBµV/m	n) @ 3m			
1 Toquettoy Barido		Frequency	Ave	rage	Peake			
		Above 1 GHz		1.0	74.0	1		
		Note: The measurement band	dwidth shall be 1 M	Hz or greater.	1	1		
	"			g a.a.		_		



Report No.: JYTSZ-R12-2400306

5.2 Antenna requirement

Standard requirement: FCC Part 15 C Section 15.203 /247(b)(4)

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

E.U.T Antenna:

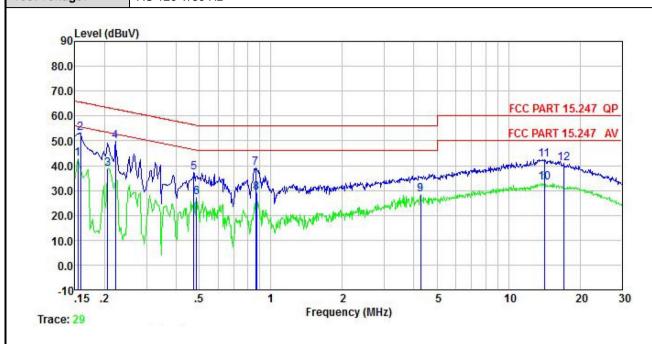
The BLE antenna is an Internal antenna which cannot replace by end-user, the best case gain of the antenna is -3.6 dBi. See product internal photos for details.





5.3 AC Power Line Conducted Emission

Product name:	Mobile Phone	Product model:	AE11
Test by:	Asher	Test mode:	BLE Tx (LE 1M PHY)
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		



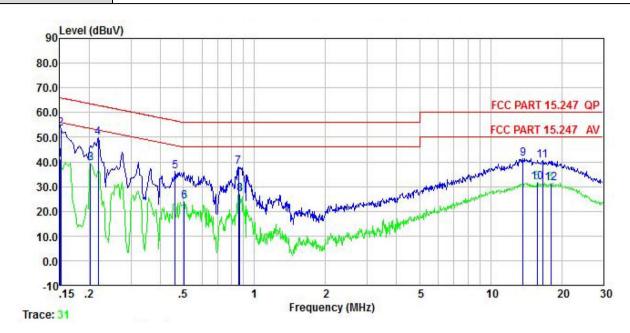
	Freq	Read Level	LISN Factor		Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
<u> </u>	MHz	dBu₹	<u>dB</u>	<u>ab</u>	<u>ā</u> B	<u>dB</u>	−−dBuV	āĒū⊽	<u>dB</u>	
1.	0.154	32.51	0.20		9.88	0.01	42.60			Average
2	0.158	42.89	0.20	0.00	9.88	0.01	52.98	65.56	-12.58	QP
3	0.206	28.72	0.20	0.00	9.88	0.04	38.84	53.36	-14.52	Average
4	0.222	39.77	0.20	0.00	9.88	0.03	49.88	62.74	-12.86	QP
5	0.474	27.23	0.20	0.00	9.88	0.03	37.34	56.45	-19.11	QP
6	0.486	17.28	0.20	0.00	9.88	0.03	27.39	46.23	-18.84	Average
1 2 3 4 5 6 7 8 9	0.862	29.06	0.20	0.00	9.88	0.04	39.18	56.00	-16.82	QP
8	0.871	18.89	0.20	0.00	9.88	0.04	29.01	46.00	-16.99	Average
9	4.269	18.18	0.20	0.00	9.89	0.08	28.35			Average
10	14.138	22.81	0.28		9.93	0.12	33.14			Average
11	14.138	32.06	0.28		9.93	0.12	42.39		-17.61	
12	17.109	30.54	0.35	0.00	9.94	0.15	40.98		-19.02	100 C C C C C C C C C C C C C C C C C C

Remark:

1. Level = Read level + LISN Factor + Cable Loss.



Product name:	Mobile Phone	Product model:	AE11
Test by:	Asher	Test mode:	BLE Tx (LE 1M PHY)
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



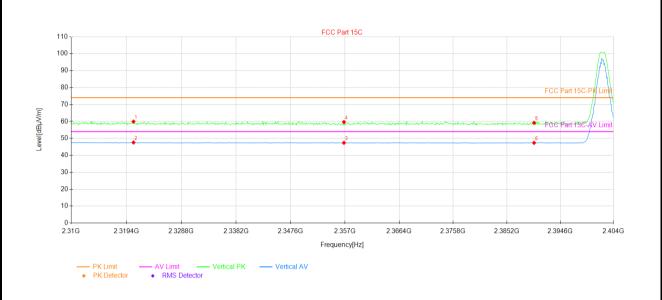
	Freq	Read Level	LISN Factor	Aux Factor		Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∜	<u>dB</u>	<u>dB</u>	<u>dB</u>		dBu₹	dBu∇	<u>dB</u>	
1	0.150	30.74	0.20	0.00	9.88	0.01	40.83	56.00	-15.17	Average
2	0.152	43.29	0.20	0.00	9.88	0.01	53.38	65.91	-12.53	QP
3	0.202	29.15	0.20	0.00	9.88	0.04	39.27	53.54	-14.27	Average
1 2 3 4 5 6 7 8 9	0.219	39.79	0.20	0.00	9.88	0.03	49.90	62.88	-12.98	QP
5	0.461	25.89	0.20	0.00	9.88	0.03	36.00	56.67	-20.67	QP
6	0.505	13.99	0.20	0.00	9.88	0.03	24.10	46.00	-21.90	Average
7	0.857	27.71	0.20	0.00	9.88	0.04	37.83	56.00	-18.17	QP
8	0.866	16.90	0.20	0.00	9.88	0.04	27.02	46.00	-18.98	Average
9	13.695	30.93	0.40	0.00	9.93	0.12	41.38	60.00	-18.62	QP
10	15.718	21.17	0.40	0.00	9.93	0.15	31.65	50.00	-18.35	Average
11	16.573	30.15	0.40	0.00	9.94	0.16	40.65	60.00	-19.35	QP
12	17.944	20.91	0.40	0.00	9.95	0.15	31.41			Average

1. Level = Read level + LISN Factor + Cable Loss.



5.4 Emissions in Restricted Frequency Bands

Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE 1M PHY)
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.91V		



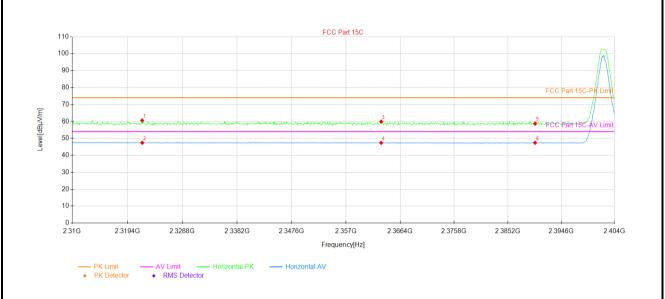
Susp	Suspected Data List									
NO	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Datastar	\/a valia t	Delevity
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Polarity
1	2320.62	23.83	36.10	59.93	74.00	14.07	214	PK	PASS	Vertical
2	2320.62	11.48	36.10	47.58	54.00	6.42	15	AV	PASS	Vertical
3	2356.81	11.09	36.30	47.39	54.00	6.61	49	AV	PASS	Vertical
4	2356.81	23.33	36.30	59.63	74.00	14.37	226	PK	PASS	Vertical
5	2390.00	22.71	36.47	59.18	74.00	14.82	185	PK	PASS	Vertical
6	2390.00	10.90	36.47	47.37	54.00	6.63	293	AV	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE 1M PHY)
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.91V		

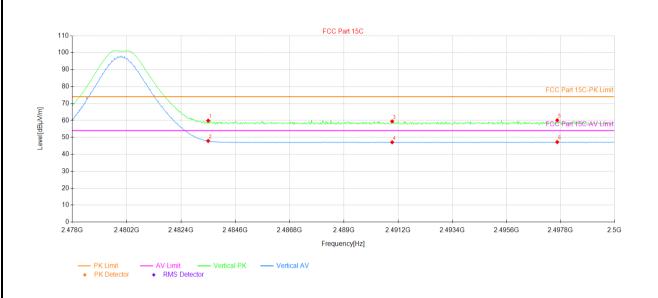


Suspected Data List										
NO.	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Verdict	Polarity
	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]			·
1	2321.94	24.47	36.11	60.58	74.00	13.42	356	PK	PASS	Horizontal
2	2321.94	11.30	36.11	47.41	54.00	6.59	106	AV	PASS	Horizontal
3	2363.11	23.55	36.34	59.89	74.00	14.11	288	PK	PASS	Horizontal
4	2363.11	11.05	36.34	47.39	54.00	6.61	318	AV	PASS	Horizontal
5	2390.00	22.26	36.47	58.73	74.00	15.27	87	PK	PASS	Horizontal
6	2390.00	10.92	36.47	47.39	54.00	6.61	284	AV	PASS	Horizontal

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE 1M PHY)
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.91V		

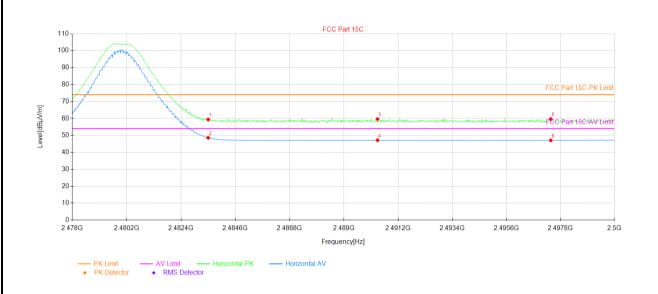


Susp	Suspected Data List									
NO	Freq. Reading	Reading Factor Level	Limit	Margin	Angle	Detector	Verdict	Polarity		
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	verdict	Polarity
1	2483.50	23.77	36.11	59.88	74.00	14.12	208	PK	PASS	Vertical
2	2483.50	11.81	36.11	47.92	54.00	6.08	68	AV	PASS	Vertical
3	2490.96	23.29	36.14	59.43	74.00	14.57	250	PK	PASS	Vertical
4	2490.96	11.00	36.14	47.14	54.00	6.86	2	AV	PASS	Vertical
5	2497.67	23.96	36.17	60.13	74.00	13.87	246	PK	PASS	Vertical
6	2497.67	11.07	36.17	47.24	54.00	6.76	353	AV	PASS	Vertical

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE 1M PHY)
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.91V		

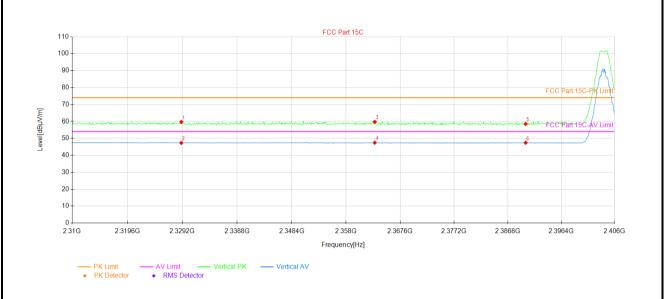


Suspected Data List										
NO	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Datastan	\/a nalia t	Delevite
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Polarity
1	2483.50	23.25	36.11	59.36	74.00	14.64	0	PK	PASS	Horizontal
2	2483.50	12.48	36.11	48.59	54.00	5.41	333	AV	PASS	Horizontal
3	2490.36	23.46	36.14	59.60	74.00	14.40	127	PK	PASS	Horizontal
4	2490.36	11.03	36.14	47.17	54.00	6.83	153	AV	PASS	Horizontal
5	2497.40	23.45	36.17	59.62	74.00	14.38	142	PK	PASS	Horizontal
6	2497.40	10.89	36.17	47.06	54.00	6.94	318	AV	PASS	Horizontal

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE 2M PHY)
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.91V		

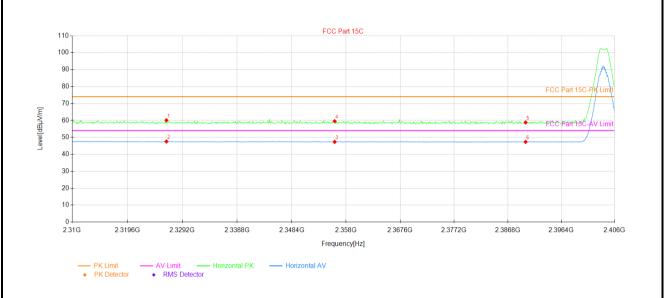


Suspected Data List											
20	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Verdict Po	Dalasitu	
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector		Polarity	
1	2329.01	23.54	36.13	59.67	74.00	14.33	23	PK	PASS	Vertical	
2	2329.01	11.21	36.13	47.34	54.00	6.66	318	AV	PASS	Vertical	
3	2363.09	23.39	36.34	59.73	74.00	14.27	358	PK	PASS	Vertical	
4	2363.09	11.12	36.34	47.46	54.00	6.54	177	AV	PASS	Vertical	
5	2390.00	22.09	36.47	58.56	74.00	15.44	359	PK	PASS	Vertical	
6	2390.00	10.97	36.47	47.44	54.00	6.56	31	AV	PASS	Vertical	

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE 2M PHY)
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.91V		

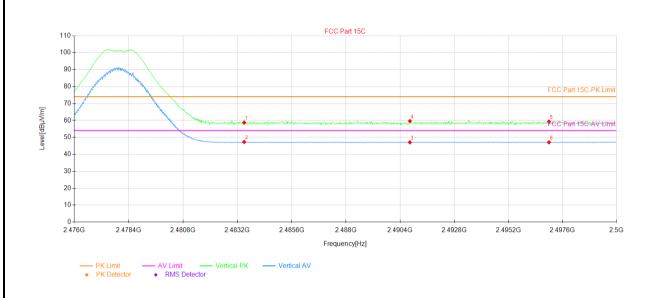


Suspected Data List											
Fre	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Datastar	\/a valia t	Polarity	
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Polatity	
1	2326.42	24.00	36.12	60.12	74.00	13.88	68	PK	PASS	Horizontal	
2	2326.42	11.46	36.12	47.58	54.00	6.42	166	AV	PASS	Horizontal	
3	2355.98	11.07	36.30	47.37	54.00	6.63	117	AV	PASS	Horizontal	
4	2355.98	23.25	36.30	59.55	74.00	14.45	65	PK	PASS	Horizontal	
5	2390.00	22.34	36.47	58.81	74.00	15.19	286	PK	PASS	Horizontal	
6	2390.00	10.88	36.47	47.35	54.00	6.65	252	AV	PASS	Horizontal	

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE 2M PHY)
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.91V		

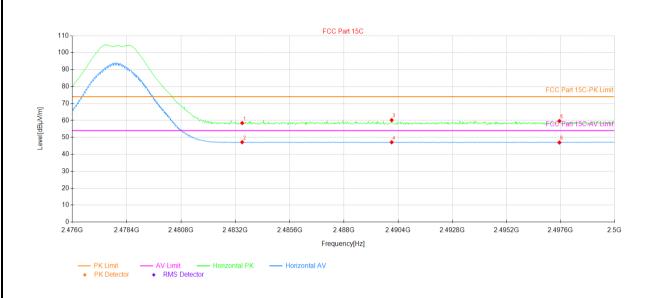


Suspected Data List											
NO	Freq.	Freq. Reading Factor Level Limit Margin An	Angle	D-44	\	Delevite					
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Polarity	
1	2483.50	22.63	36.11	58.74	74.00	15.26	133	PK	PASS	Vertical	
2	2483.50	11.20	36.11	47.31	54.00	6.69	320	AV	PASS	Vertical	
3	2490.83	10.96	36.14	47.10	54.00	6.90	8	AV	PASS	Vertical	
4	2490.83	23.48	36.14	59.62	74.00	14.38	141	PK	PASS	Vertical	
5	2497.00	23.17	36.17	59.34	74.00	14.66	190	PK	PASS	Vertical	
6	2497.00	10.92	36.17	47.09	54.00	6.91	293	AV	PASS	Vertical	

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE 2M PHY)
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.91V		

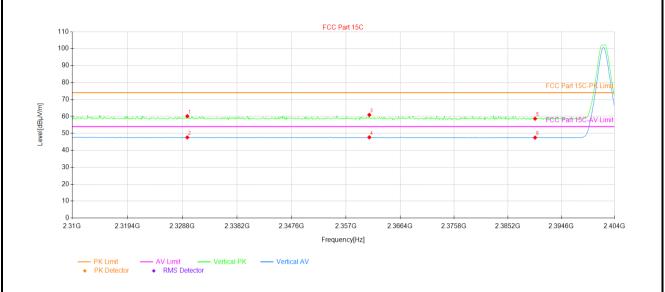


Suspected Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity	
1	2483.50	22.35	36.11	58.46	74.00	15.54	51	PK	PASS	Horizontal	
2	2483.50	11.07	36.11	47.18	54.00	6.82	148	AV	PASS	Horizontal	
3	2490.11	24.06	36.14	60.20	74.00	13.80	47	PK	PASS	Horizontal	
4	2490.11	10.99	36.14	47.13	54.00	6.87	341	AV	PASS	Horizontal	
5	2497.55	23.50	36.17	59.67	74.00	14.33	265	PK	PASS	Horizontal	
6	2497.55	10.80	36.17	46.97	54.00	7.03	103	AV	PASS	Horizontal	

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE Coded PHY, S=2)
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.91V		

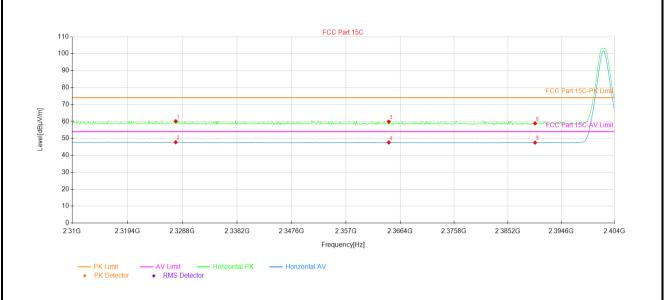


Susp	Suspected Data List										
NO	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Manalia t	Delevite	
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Polarity	
1	2329.65	24.04	36.13	60.17	74.00	13.83	140	PK	PASS	Vertical	
2	2329.65	11.50	36.13	47.63	54.00	6.37	2	AV	PASS	Vertical	
3	2361.04	24.61	36.32	60.93	74.00	13.07	45	PK	PASS	Vertical	
4	2361.04	11.37	36.32	47.69	54.00	6.31	215	AV	PASS	Vertical	
5	2390.00	22.21	36.47	58.68	74.00	15.32	222	PK	PASS	Vertical	
6	2390.00	11.03	36.47	47.50	54.00	6.50	4	AV	PASS	Vertical	

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE Coded PHY, S=2)
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.91V		

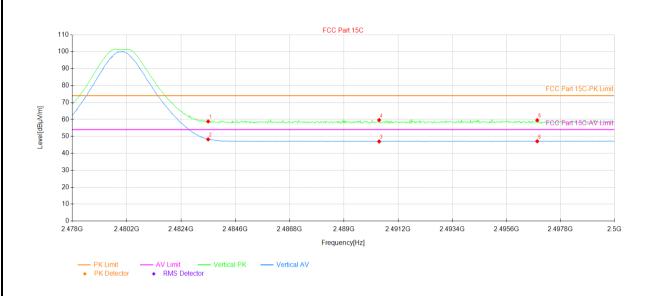


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2327.67	23.99	36.12	60.11	74.00	13.89	140	PK	PASS	Horizontal
2	2327.67	11.60	36.12	47.72	54.00	6.28	326	AV	PASS	Horizontal
3	2364.43	23.57	36.34	59.91	74.00	14.09	273	PK	PASS	Horizontal
4	2364.43	11.26	36.34	47.60	54.00	6.40	284	AV	PASS	Horizontal
5	2390.00	11.02	36.47	47.49	54.00	6.51	114	AV	PASS	Horizontal
6	2390.00	22.40	36.47	58.87	74.00	15.13	51	PK	PASS	Horizontal

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE Coded PHY, S=2)
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.91V		

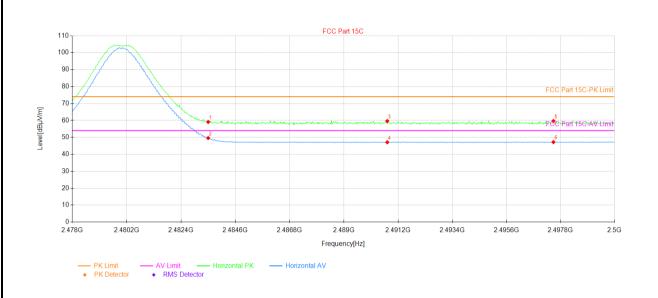


Susp	Suspected Data List										
NO	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	\/a valia t	Dalavitu	
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Polarity	
1	2483.50	22.72	36.11	58.83	74.00	15.17	338	PK	PASS	Vertical	
2	2483.50	12.14	36.11	48.25	54.00	5.75	94	AV	PASS	Vertical	
3	2490.43	10.86	36.14	47.00	54.00	7.00	27	AV	PASS	Vertical	
4	2490.43	23.51	36.14	59.65	74.00	14.35	357	PK	PASS	Vertical	
5	2496.85	23.35	36.17	59.52	74.00	14.48	252	PK	PASS	Vertical	
6	2496.85	10.97	36.17	47.14	54.00	6.86	150	AV	PASS	Vertical	

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE Coded PHY, S=2)
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.91V		

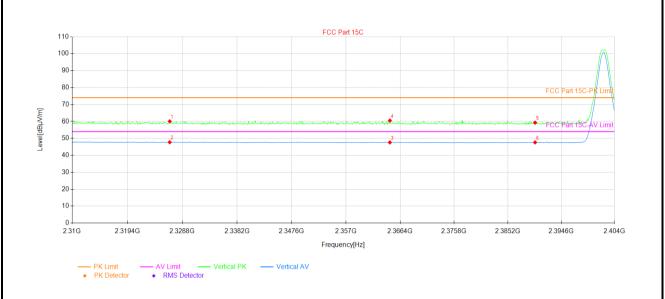


Susp	Suspected Data List										
NO.	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Verdict	Polarity	
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	verdict	Polarity	
1	2483.50	23.00	36.11	59.11	74.00	14.89	1	PK	PASS	Horizontal	
2	2483.50	13.49	36.11	49.60	54.00	4.40	352	AV	PASS	Horizontal	
3	2490.76	23.51	36.14	59.65	74.00	14.35	267	PK	PASS	Horizontal	
4	2490.76	10.98	36.14	47.12	54.00	6.88	192	AV	PASS	Horizontal	
5	2497.51	23.51	36.17	59.68	74.00	14.32	341	PK	PASS	Horizontal	
6	2497.51	11.06	36.17	47.23	54.00	6.77	319	AV	PASS	Horizontal	

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE Coded PHY, S=8)
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.91V		

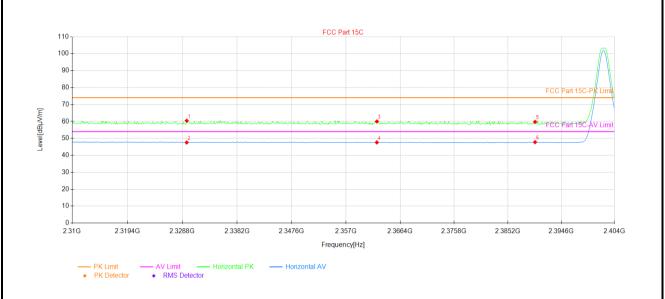


Suspected Data List										
NO	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Datastas	\/a valia t	Delevitu
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Polarity
1	2326.64	23.93	36.12	60.05	74.00	13.95	30	PK	PASS	Vertical
2	2326.64	11.62	36.12	47.74	54.00	6.26	328	AV	PASS	Vertical
3	2364.61	11.28	36.34	47.62	54.00	6.38	117	AV	PASS	Vertical
4	2364.61	24.16	36.34	60.50	74.00	13.50	117	PK	PASS	Vertical
5	2390.00	22.82	36.47	59.29	74.00	14.71	294	PK	PASS	Vertical
6	2390.00	11.18	36.47	47.65	54.00	6.35	185	AV	PASS	Vertical

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE Coded PHY, S=8)
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.91V		

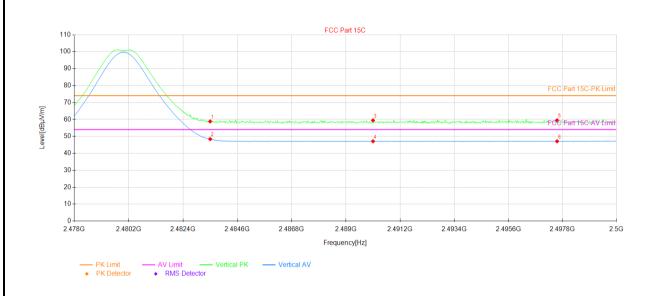


Suspected Data List											
NO	Freq.	Reading	Factor	Level	Limit	Margin	Angle	D-44	\/l:-4	Polarity	
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict		
1	2329.55	24.31	36.13	60.44	74.00	13.56	280	PK	PASS	Horizontal	
2	2329.55	11.44	36.13	47.57	54.00	6.43	111	AV	PASS	Horizontal	
3	2362.36	23.67	36.33	60.00	74.00	14.00	179	PK	PASS	Horizontal	
4	2362.36	11.30	36.33	47.63	54.00	6.37	348	AV	PASS	Horizontal	
5	2390.00	23.27	36.47	59.74	74.00	14.26	197	PK	PASS	Horizontal	
6	2390.00	11.31	36.47	47.78	54.00	6.22	1	AV	PASS	Horizontal	

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE Coded PHY, S=8)
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.91V		

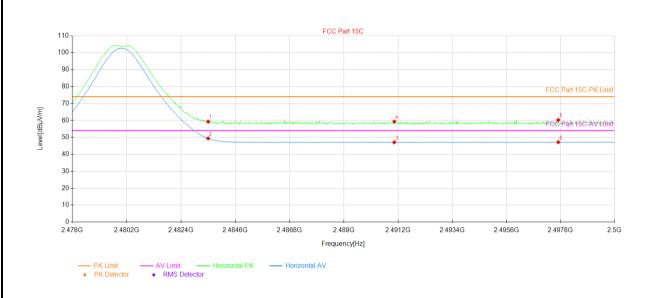


Susp	Suspected Data List											
NO. Freq. [MHz]	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Verdict	Polarity		
	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	verdict			
1	2483.50	22.72	36.11	58.83	74.00	15.17	83	PK	PASS	Vertical		
2	2483.50	12.32	36.11	48.43	54.00	5.57	83	AV	PASS	Vertical		
3	2490.10	23.29	36.14	59.43	74.00	14.57	273	PK	PASS	Vertical		
4	2490.10	11.00	36.14	47.14	54.00	6.86	300	AV	PASS	Vertical		
5	2497.58	23.34	36.17	59.51	74.00	14.49	125	PK	PASS	Vertical		
6	2497.58	10.95	36.17	47.12	54.00	6.88	288	AV	PASS	Vertical		

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE Coded PHY, S=8)
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.91V		



Susp	Suspected Data List											
NO.	Freq.	Reading Fac	Factor	Level	Limit	Margin	Angle	Detector	Verdict	Polarity		
	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	verdict			
1	2483.50	23.19	36.11	59.30	74.00	14.70	3	PK	PASS	Horizontal		
2	2483.50	13.28	36.11	49.39	54.00	4.61	349	AV	PASS	Horizontal		
3	2491.05	10.97	36.14	47.11	54.00	6.89	252	AV	PASS	Horizontal		
4	2491.05	23.21	36.14	59.35	74.00	14.65	1	PK	PASS	Horizontal		
5	2497.71	24.10	36.17	60.27	74.00	13.73	142	PK	PASS	Horizontal		
6	2497.71	11.02	36.17	47.19	54.00	6.81	330	AV	PASS	Horizontal		

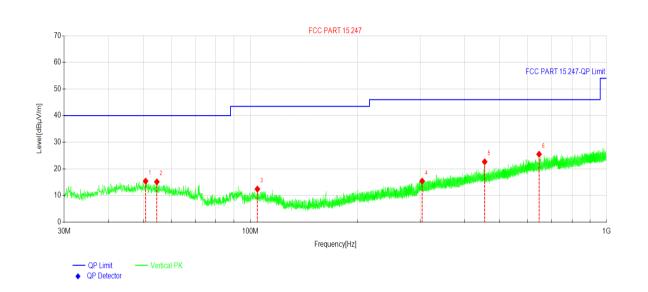
1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



5.5 Emissions in Non-restricted Frequency Bands

Below 1GHz:

Product Name:	Mobile Phone	Product Model:	AE11
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE 1M PHY)
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.91V		



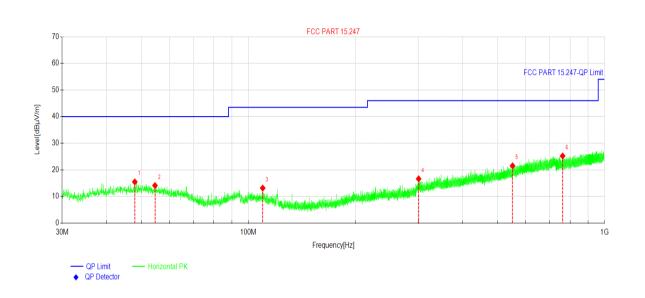
Suspe	Suspected Data List										
NO.	Freq. [MHz]	Reading[dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity			
1	50.8075	28.10	-12.71	15.39	40.00	24.61	PK	Vertical			
2	54.6392	28.27	-13.14	15.13	40.00	24.87	PK	Vertical			
3	104.6452	27.01	-14.60	12.41	43.50	31.09	PK	Vertical			
4	303.6507	28.42	-12.99	15.43	46.00	30.57	PK	Vertical			
5	454.9782	32.61	-9.95	22.66	46.00	23.34	PK	Vertical			
6	646.7083	31.74	-6.23	25.51	46.00	20.49	PK	Vertical			

Remark.

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Product Name:	Mobile Phone	Product Model:	AE11	
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE 1M PHY)	
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal	
Test Voltage:	DC 3.91V			



Suspe	ected Data Li	ist						
NO.	Freq. [MHz]	Reading[dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	47.9944	28.20	-12.72	15.48	40.00	24.52	PK	Horizontal
2	54.6877	27.27	-13.15	14.12	40.00	25.88	PK	Horizontal
3	109.7380	27.96	-14.80	13.16	43.50	30.34	PK	Horizontal
4	300.6920	29.64	-13.00	16.64	46.00	29.36	PK	Horizontal
5	551.8376	29.60	-8.07	21.53	46.00	24.47	PK	Horizontal
6	762.9201	29.59	-4.36	25.23	46.00	20.77	PK	Horizontal

1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



Above 1GHz:

bove 1GHz:									
	BLE Tx (LE 1M PHY)								
	Test channel: Lowest channel								
	Detector: Peak Value								
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization			
4804.00	50.21	-8.00	42.21	74.00	31.79	Vertical			
4804.00	49.22	-8.00	41.22	74.00	32.78	Horizontal			
	Detector: Average Value								
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization			
4804.00	40.13	-8.00	32.13	54.00	21.87	Vertical			
4804.00	40.00	-8.00	32.00	54.00	22.00	Horizontal			
		Test o	channel: Middle ch	nannel					
		D	etector: Peak Val	ue					
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization			
4884.00	49.74	-7.45	42.29	74.00	31.71	Vertical			
4884.00	49.22	-7.45	41.77	74.00	32.23	Horizontal			
		D		-1					

(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Polarization			
4884.00	49.74	-7.45	42.29	74.00	31.71	Vertical			
4884.00	49.22	-7.45	41.77	74.00	32.23	Horizontal			
	Detector: Average Value								
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization			
4884.00	40.46	-7.45	33.01	54.00	20.99	Vertical			
4884.00	39.73	-7.45	32.28	54.00	21.72	Horizontal			

	Test channel: Highest channel									
	Detector: Peak Value									
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization				
4960.00	50.59	-7.08	43.51	74.00	30.49	Vertical				
4960.00	49.42	-7.08	42.34	74.00	31.66	Horizontal				
		Det	ector: Average Va	alue						
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization				
4960.00	40.14	-7.08	33.06	54.00	20.94	Vertical				
4960.00	40.21	-7.08	33.13	54.00	20.87	Horizontal				

Remark:

^{1.} Level = Reading + Factor.

Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.



	BLE Tx (LE 2M PHY)								
		Test	hannel: Lowest cl	nannel					
		D	etector: Peak Valu	ıe					
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Folalization			
4804.00	50.43	-8.00	42.43	74.00	31.57	Vertical			
4804.00	49.16	-8.00	41.16	74.00	32.84	Horizontal			
		Det	ector: Average Va	alue					
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Folalization			
4804.00	39.64	-8.00	31.64	54.00	22.36	Vertical			
4804.00	40.24	-8.00	32.24	54.00	21.76	Horizontal			
	Test channel: Middle channel								
		D	etector: Peak Val	ue					
Frequency	Read Level	Factor	Level	Limit	Margin	5 :			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Polarization			
4884.00	50.19	-7.45	42.74	74.00	31.26	Vertical			
4884.00	48.82	-7.45	41.37	74.00	32.63	Horizontal			
		Det	ector: Average Va	alue					
Frequency	Read Level	Factor	Level	Limit	Margin	Dolorization			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Polarization			
4884.00	40.12	-7.45	32.67	54.00	21.33	Vertical			
4884.00	39.66	-7.45	32.21	54.00	21.79	Horizontal			
		Test c	hannel: Highest c	hannel					
	,	D	etector: Peak Val	ue					
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	· oldilzation			
4960.00	50.81	-7.08	43.73	74.00	30.27	Vertical			

4960.00

Frequency

(MHz)

4960.00

4960.00

48.97

Read Level

(dBµV)

39.96

40.12

41.89

Detector: Average Value

Level

(dBµV/m)

32.88

33.04

74.00

Limit

 $(dB\mu V/m)$

54.00

54.00

32.11

Margin

(dB)

21.12

20.96

-7.08

Factor

(dB)

-7.08

-7.08

Project No.: JYTSZR2403015

Horizontal

Polarization

Vertical

Horizontal

^{1.} Level = Reading + Factor.

^{2.} Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.



	BEL Tx (LE Coded PHY, S=2)									
		Test c	hannel: Lowest cl	nannel						
		D	etector: Peak Val	ue						
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization				
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	1 Glarization				
4804.00	50.04	-8.00	42.04	74.00	31.96	Vertical				
4804.00	49.70	-8.00	41.70	74.00	32.30	Horizontal				
		Det	ector: Average Va	alue						
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization				
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)					
4804.00	39.93	-8.00	31.93	54.00	22.07	Vertical				
4804.00	40.20	-8.00	32.20	54.00	21.80	Horizontal				
		Took	hanal Middle al							
	Test channel: Middle channel									
	Donal Lavel		etector: Peak Val		Marain					
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization				
4884.00	(αΒμν) 50.34	-7.45	(αΒμν/III) 42.89	(αΒμν/III) 74.00	31.11	Vertical				
4884.00	49.77	-7.45 -7.45	42.32	74.00	31.68	Horizontal				
4004.00	49.77		ector: Average Va		31.00	Honzontai				
Frequency	Read Level	Factor	Level	Limit	Margin					
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Polarization				
4884.00	40.27	-7.45	32.82	54.00	21.18	Vertical				
4884.00	40.07	-7.45	32.62	54.00	21.38	Horizontal				
	<u>l</u>				I					
		Test c	hannel: Highest c	hannel						
		D	etector: Peak Val	ue						
Frequency	Read Level	Factor	Level	Limit	Margin	Delorization				
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Polarization				
4960.00	50.36	-7.08	43.28	74.00	30.72	Vertical				
4960.00	50.03	-7.08	42.95	74.00	31.05	Horizontal				
		Det	ector: Average Va	alue						
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization				
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Polarization				
4960.00	40.61	-7.08	33.53	54.00	20.47	Vertical				
4960.00	40.26	-7.08	33.18	54.00	20.82	Horizontal				

^{1.} Level = Reading + Factor.

^{2.} Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.



BEL Tx (LE Coded PHY, S=8)						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization
4804.00	50.24	-8.00	42.24	74.00	31.76	Vertical
4804.00	50.17	-8.00	42.17	74.00	31.83	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization
4804.00	40.34	-8.00	32.34	54.00	21.66	Vertical
4804.00	40.29	-8.00	32.29	54.00	21.71	Horizontal
Test channel: Middle channel						
			etector: Peak Valı			
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Mantia al
4884.00 4884.00	50.09	-7.45	42.64	74.00	31.36	Vertical Horizontal
4884.00	50.03	-7.45 Dot	42.58	74.00	31.42	Horizontai
Detector: Average Value						
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization
4884.00	40.01	-7.45	32.56	54.00	21.44	Vertical
4884.00	40.28	-7.45	32.83	54.00	21.17	Horizontal
100 1.00 10.20 1.10 2.111 110.1201ldi						
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization
4960.00	49.87	-7.08	42.79	74.00	31.21	Vertical
4960.00	49.76	-7.08	42.68	74.00	31.32	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization
4960.00	39.63	-7.08	32.55	54.00	21.45	Vertical
•			1		I -	1

4960.00

40.26

33.18

54.00

20.82

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

-7.08

Project No.: JYTSZR2403015

Horizontal

^{1.} Level = Reading + Factor.

Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.