

# JianYan Testing Group Shenzhen Co., Ltd.

Report No.: JYTSZ-R12-2400549

# FCC RF Test Report

**Report No.:** JYTSZ-R12-2400549

Applicant: PCD, LLC

Address of Applicant: 7651 Southland Blvd. Orlando. FL 32809 USA

**Equipment Under Test (EUT)** 

Product Name: 4G LTE smart phone

Model No.: P65R, P65 Bengal Max

Trade Mark: N/A

FCC ID: 2ALJJP65R

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

Date of Sample Receipt: 20 May, 2024

Date of Test: 21 May, to 19 Jun., 2024

Date of Report Issued: 20 Jun., 2024

Test Result: PASS

Project by: Date: 20 Jun., 2024

Reviewed by: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_ 20 Jun., 2024

Approved by: \_\_\_\_\_\_ Date: \_\_\_\_\_ 20 Jun., 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	20 Jun., 2024	Original





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# 3 General Information

# 3.1 Client Information

Applicant:	PCD, LLC	
Address: 7651 Southland Blvd. Orlando. FL 32809 USA		
Manufacturer: PCD, LLC		
Address: 7651 Southland Blvd. Orlando. FL 32809 USA		
Factory:	SHENZHEN TOPWELL TECHNOLOGY CO., LTD	
Address:	11F, Block B West side, Building No. 7 Shenzhen Bay ECO-Technology Park, Nanshan District, Shenzhen, China	

# 3.2 General Description of E.U.T.

oiz Ochiciai Besonip	
Product Name:	4G LTE smart phone
Model No.:	P65R, P65 Bengal Max
Operation Frequency:	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:	-3.18 dBi (declare by applicant)
Antenna transmit mode:	SISO (1TX, 1RX)
Power Supply:	Rechargeable Li-ion Battery DC3.85V, 4000mAh
AC Adapter:	Model: BS05A-0501000US
	Input: AC100-240V, 50/60Hz, 0.25A
	Output: DC 5.0V, 1000mA
Remark:	Model No.: P65R, P65 Bengal Max were identical inside, the eletrical circuit design, layout, components used and internal wiring. The only difference is that "P65R" and "P65 Bengal Max" are shipped to difference markets respectively.
Test Sample Condition:	The test samples were provided in good working order with no visible defects.



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# 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.

Operating Environment:		
Temperature:	15℃ ~ 35℃	
Humidity:	20 % ~ 75 % RH	
Atmospheric Pressure:	1008 mbar	
Voltage:	Nominal: 3.85Vdc, Extreme: Low 3.50Vdc, High 4.40Vdc	
Test Engineer:	Logan (Conducted measurement)	
rest Engineer.	Alan (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) (10m SAC)	4.3 dB
Radiated Emission (200MHz ~ 1000MHz) (10m SAC)	4.3 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

# 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: <a href="https://portal.a2la.org/scopepdf/4346-01.pdf">https://portal.a2la.org/scopepdf/4346-01.pdf</a>

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



# 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 FAR):						
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
3m FAR	YUNYI	9m*6m*6m	9m*6m*6m WXJ097		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	YUNYI	PAM-310N	WXJ097-5	05-14-2023	05-13-2024	
(30MHz ~ 1GHz)	TUNTI	PAIVI-3 TUIN	W V J O 97 - 2	04-24-2024	04-23-2025	
Pre-amplifier	YUNYI	PAM-118N	WXJ097-6	05-14-2023	05-13-2024	
(1GHz ~ 18GHz)	TONTI	PAIVI-LION	W \\ JU97 -0	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	
Consistences Amalysman	KEVOLOUT	NO040D	WV 1004 4	06-13-2023	06-12-2024	
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ081-1	06-12-2024	06-11-2025	
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		





Radiated Emission(10m SAC):							
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date	Cal. Due date		
rest Equipment	Mariaraotaro	Model No.	manage no.	(mm-dd-yy)	(mm-dd-yy)		
10m SAC	ETS	RFSD-100-F/A	WXJ090	04-28-2021	04-27-2026		
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-1	01-05-2024	01-04-2025		
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-2	12-28-2023	12-27-2024		
EMI Test Receiver	R&S	ESR 3	WXJ090-3	12-27-2023	12-26-2024		
EMI Test Receiver	R&S	ESR 3	WXJ090-4	12-27-2023	12-26-2024		
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-6	12-27-2023	12-26-2024		
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-7	12-27-2023	12-26-2024		
Cable	Bost	JYT10M-1G-NN-10M	WXG002-7	01-17-2024	01-16-2025		
Cable	Bost	JYT10M-1G-NN-10M	WXG002-8	01-17-2024	01-16-2025		
Test Software	R&S	EMC32	Version: 10.50.40				

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	Rohde & Schwarz	ESH3-Z5	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	RSU0301	WXG003	1	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/A					
RF Control Unit	MWRFTEST	MW100-RFCB	B WXG006 N/A		I/A	
Test Software	MWRFTEST	MTS 8310	Version: 2.0.0.0			



# 4 Measurement Setup and Procedure

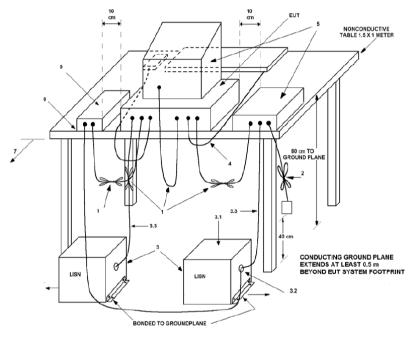
# 4.1 Test Channel

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

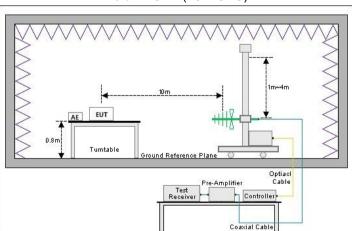
## 1) Conducted emission measurement:



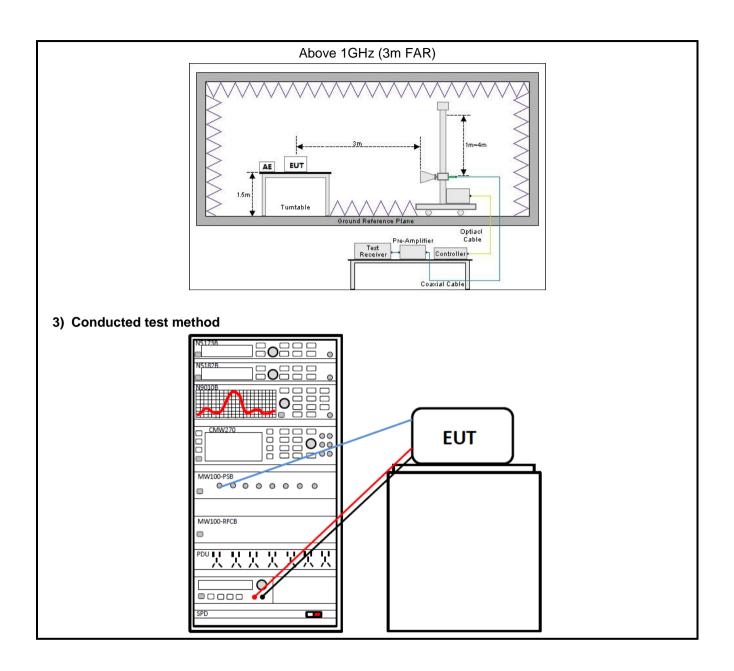
Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

## 2) Radiated emission measurement:

Below 1GHz (10m SAC)











# 4.3 Test Procedure

4.5 Test Flocedule	
Test method	Test step
Conducted emission	<ol> <li>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.</li> <li>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).</li> <li>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.</li> </ol>
Radiated emission	For below 1GHz:
Radiated emission	The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 10 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 10 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.
	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
Conducted test method	system through an RF cable.  2. The EUT is keeping in continuous transmission mode and tested in all
	modulation modes.
	3. 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			Limit						
		Frequency		Limit (d	iΒμV)				
		(MHz)	Quas	i-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 Note 2: The more stringent limit			m of frequency.				
Conducted Output Power		systems using digital m 5725-5850 MHz bands		the 902-928	MHz, 2400-2483.5 MH	łz,			
6dB Emission Bandwidth	The	e minimum 6 dB bandwid	Ith shall be a	it least 500 k	Hz.				
99% Occupied Bandwidth	N/A	1							
Power Spectral Density	inte	digitally modulated systemational radiator to the aread during any time interva	ntenna shall i	not be greate	er 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								
	Witr	n the radiated emission li		ined in §15.2	ion, radiated emission: 205(a), must also comp	eral s			
	With	the radiated emission li		ined in §15.2 ed in §15.209	ion, radiated emission: 05(a), must also comp 0(a) (see §15.205(c)).	eral s			
	With		mits specifie	ined in §15.2 ed in §15.209	ion, radiated emission: 205(a), must also comp	eral s			
	With	Frequency	mits specifie	ined in §15.2 ed in §15.209 BµV/m)	ion, radiated emission: 05(a), must also comp 0(a) (see §15.205(c)).	eral s			
Emissions in Restricted	Wittr	Frequency (MHz)	Limits specifie	ined in §15.2 ed in §15.209 BµV/m) @ 10m	ion, radiated emission: (05(a), must also compo(a) (see §15.205(c)).	eral s			
Emissions in Restricted Frequency Bands	With	Frequency (MHz) 30 – 88	Limit (d	ined in §15.209 BµV/m) @ 10m 30.0	ion, radiated emission: 205(a), must also comp 0(a) (see §15.205(c)).  Detector  Quasi-peak	eral s			
	With	Frequency (MHz) 30 – 88 88 – 216	Limit (d @ 3m 40.0 43.5	ined in §15.209 BμV/m)  @ 10m 30.0 33.5	ion, radiated emission: 205(a), must also comp 2(a) (see §15.205(c)).  Detector  Quasi-peak Quasi-peak	eral s			
		Frequency (MHz) 30 – 88 88 – 216 216 – 960	Limit (d @ 3m 40.0 43.5 46.0 54.0	med in §15.209 BµV/m) @ 10m 30.0 33.5 36.0 44.0	ion, radiated emission: 205(a), must also comp 2(a) (see §15.205(c)).  Detector  Quasi-peak Quasi-peak Quasi-peak	eral s			
Frequency Bands		Frequency (MHz) 30 – 88 88 – 216 216 – 960 960 – 1000 Note: The more stringent limit a	Limit (d @ 3m 40.0 43.5 46.0 54.0	med in §15.209 BµV/m) @ 10m 30.0 33.5 36.0 44.0	ion, radiated emission: 205(a), must also comp (a) (see §15.205(c)).  Detector  Quasi-peak Quasi-peak Quasi-peak Quasi-peak	eral s			
Frequency Bands  Emissions in Non-restricted		Frequency (MHz) 30 – 88 88 – 216 216 – 960 960 – 1000	Limit (d @ 3m 40.0 43.5 46.0 54.0	ined in §15.209  BμV/m)  @ 10m  30.0  33.5  36.0  44.0  In frequencies.  Limit (dΒμV/	ion, radiated emission: 205(a), must also comp (a) (see §15.205(c)).  Detector  Quasi-peak Quasi-peak Quasi-peak Quasi-peak	eral s			
Frequency Bands  Emissions in Non-restricted		Frequency (MHz) 30 – 88 88 – 216 216 – 960 960 – 1000 Note: The more stringent limit a	Limit (d @ 3m 40.0 43.5 46.0 54.0 pplies at transitio	ined in §15.209  BμV/m)  @ 10m  30.0  33.5  36.0  44.0  In frequencies.  Limit (dΒμV/rage	ion, radiated emission: 205(a), must also comp (a) (see §15.205(c)).  Detector  Quasi-peak Quasi-peak Quasi-peak Quasi-peak Quasi-peak	eral s			



Report No.: JYTSZ-R12-2400549

# 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:

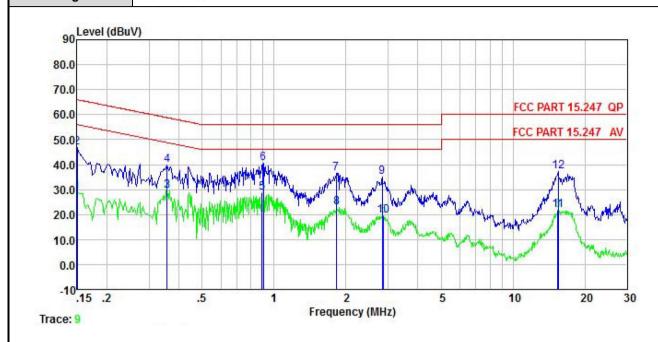
The BLE antenna is an Internal antenna which cannot replace by end-user, the best case gain of the antenna is -3.18 dBi. See product internal photos for details.





# 5.3 AC Power Line Conducted Emission

Product name:	4G LTE smart phone	Product model:	P65R
Test by:	Kiran Zeng	Test mode:	BLE Tx (LE 1M PHY)
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		



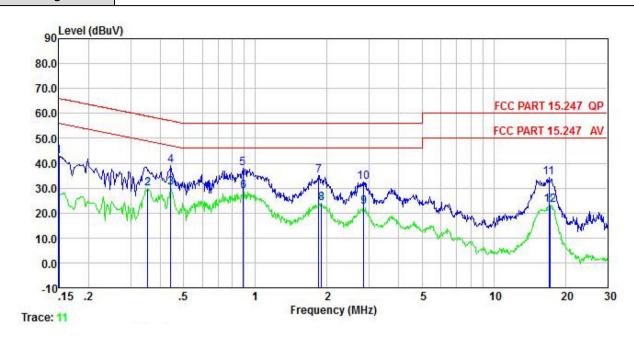
	Freq	Read Level	LISN Factor	Aux Factor		Cable Loss	Level	Limit Line	Over Limit	Remark
-	MHz	dBu∇	<u>dB</u>	<u>dB</u>	<u>dB</u>	<u>dB</u>	dBu∇	dBu∜	<u>dB</u>	
1	0.150	19.08	0.20	0.00	9.88	0.01	29.17	56.00	-26.83	Average
2	0.150	36.67	0.20	0.00	9.88	0.01	46.76	66.00	-19.24	QP
2	0.358	19.52	0.20	0.00	9.88	0.02	29.62	48.78	-19.16	Average
4	0.358	29.79	0.20	0.00	9.88	0.02	39.89	58.78	-18.89	QP
4 5	0.890	18.52	0.20	0.00	9.88	0.04	28.64	46.00	-17.36	Average
6	0.904	30.58	0.20	0.00	9.88	0.04	40.70		-15.30	
7	1.819	26.13	0.20	0.00	9.88	0.19	36.40	56.00	-19.60	QP
8	1.829	12.72	0.20	0.00	9.88	0.19	22.99			Average
8 9	2.839	24.91	0.20	0.00	9.89	0.09	35.09		-20.91	
10	2.869	9.40	0.20	0.00	9.89	0.08	19.57			Average
11	15.388	11.33	0.31	0.00	9.93	0.15	21.72			Average
12	15.470	26.78	0.31	0.00	9.93	0.15	37.17		-22.83	

#### Remark:

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



Product name:	4G LTE smart phone	Product model:	P65R
Test by:	Kiran Zeng	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>d</u> B	<u>ā</u> B	₫B	dBu₹	dBu∀	<u>dB</u>	
1	0.150	32.77	0.20	0.00	9.88	0.01	42.86	66.00	-23.14	QP
2	0.354	19.91	0.20	0.00	9.88	0.02	30.01	48.87	-18.86	Average
3	0.442	19.93	0.20	0.00	9.88	0.03	30.04	47.02	-16.98	Average
4	0.442	28.80	0.20	0.00	9.88	0.03	38.91	57.02	-18.11	QP
5	0.885	27.70	0.20	0.00	9.88	0.04	37.82	56.00	-18.18	QP
1 2 3 4 5 6 7 8 9	0.890	18.67	0.20	0.00	9.88	0.04	28.79	46.00	-17.21	Average
7	1.848	24.78	0.29	0.00	9.88	0.19	35.14	56.00	-20.86	QP
8	1.898	13.55	0.29	0.00	9.88	0.20	23.92	46.00	-22.08	Average
9	2.854	12.31	0.30	0.00	9.89	0.09	22.59			Average
10	2.854	21.98	0.30	0.00	9.89	0.09	32.26		-23.74	
11	17.018	23.74	0.40	0.00	9.94	0.16	34.24		-25.76	- 10 T
12	17.291	12.85	0.40	0.00	9.94	0.15	23.34			Average

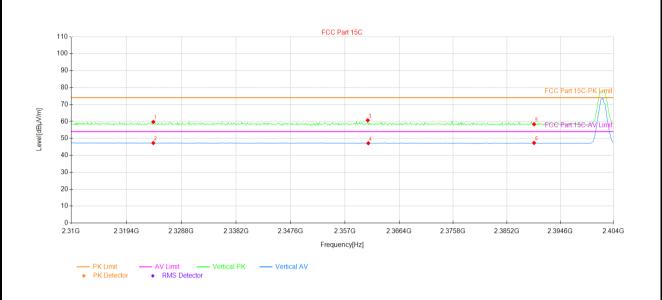
1. Level = Read level + LISN Factor + Cable Loss.





5.4 Emissions in Restricted Frequency Bands

Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE 1M PHY)
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V		



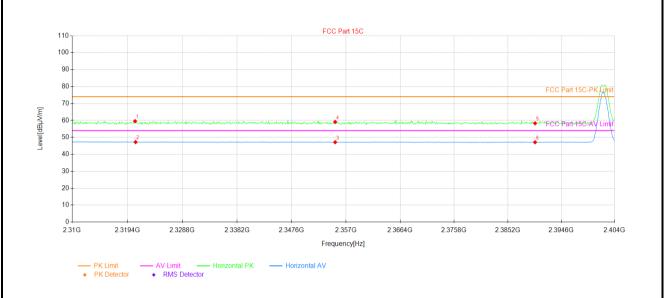
Suspe	Suspected Data List									
NO.	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Vardiat	Dolority
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Polarity
1	2324.01	23.59	36.12	59.71	74.00	14.29	307	PK	PASS	Vertical
2	2324.01	11.17	36.12	47.29	54.00	6.71	288	AV	PASS	Vertical
3	2360.95	24.35	36.32	60.67	74.00	13.33	156	PK	PASS	Vertical
4	2361.04	10.83	36.32	47.15	54.00	6.85	40	AV	PASS	Vertical
5	2390.00	21.89	36.47	58.36	74.00	15.64	358	PK	PASS	Vertical
6	2390.00	10.86	36.47	47.33	54.00	6.67	217	AV	PASS	Vertical

#### Remark

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE 1M PHY)
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V		

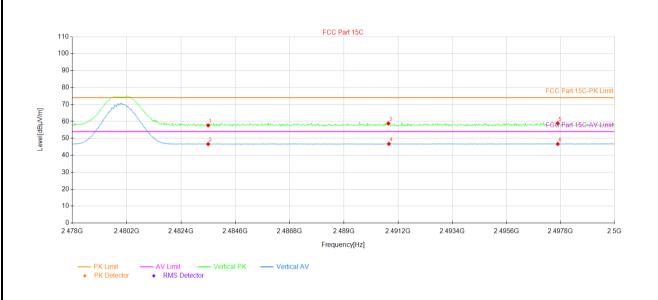


Suspe	Suspected Data List									
NO.	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Vardiat	Doloritu
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Polarity
1	2320.72	23.47	36.10	59.57	74.00	14.43	2	PK	PASS	Horizontal
2	2320.81	11.13	36.10	47.23	54.00	6.77	2	AV	PASS	Horizontal
3	2355.12	10.86	36.30	47.16	54.00	6.84	42	AV	PASS	Horizontal
4	2355.12	22.81	36.30	59.11	74.00	14.89	113	PK	PASS	Horizontal
5	2390.00	21.85	36.47	58.32	74.00	15.68	144	PK	PASS	Horizontal
6	2390.00	10.67	36.47	47.14	54.00	6.86	313	AV	PASS	Horizontal

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE 1M PHY)
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V		

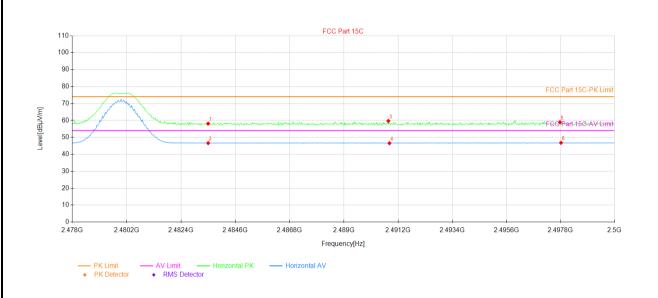


Suspe	Suspected Data List										
NO	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Verdict	Polarity	
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	verdict	Polarity	
1	2483.50	21.58	36.11	57.69	74.00	16.31	246	PK	PASS	Vertical	
2	2483.50	10.54	36.11	46.65	54.00	7.35	99	AV	PASS	Vertical	
3	2490.80	22.69	36.14	58.83	74.00	15.17	303	PK	PASS	Vertical	
4	2490.83	10.61	36.14	46.75	54.00	7.25	38	AV	PASS	Vertical	
5	2497.69	22.76	36.17	58.93	74.00	15.07	175	PK	PASS	Vertical	
6	2497.69	10.53	36.17	46.70	54.00	7.30	217	AV	PASS	Vertical	

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE 1M PHY)
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V		

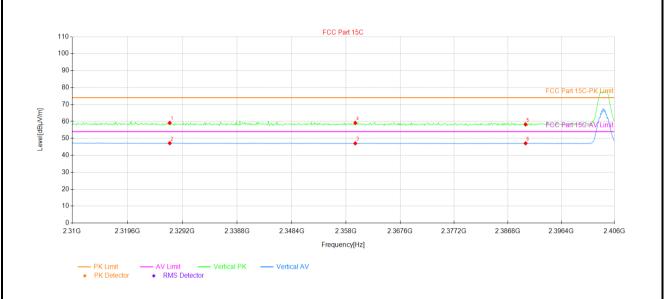


Suspe	Suspected Data List											
NO	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Vardiat	Polarity		
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict			
1	2483.50	22.04	36.11	58.15	74.00	15.85	122	PK	PASS	Horizontal		
2	2483.50	10.52	36.11	46.63	54.00	7.37	183	AV	PASS	Horizontal		
3	2490.80	23.55	36.14	59.69	74.00	14.31	217	PK	PASS	Horizontal		
4	2490.85	10.42	36.14	46.56	54.00	7.44	206	AV	PASS	Horizontal		
5	2497.78	22.76	36.17	58.93	74.00	15.07	353	PK	PASS	Horizontal		
6	2497.82	10.62	36.17	46.79	54.00	7.21	61	AV	PASS	Horizontal		

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE 2M PHY)
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V		

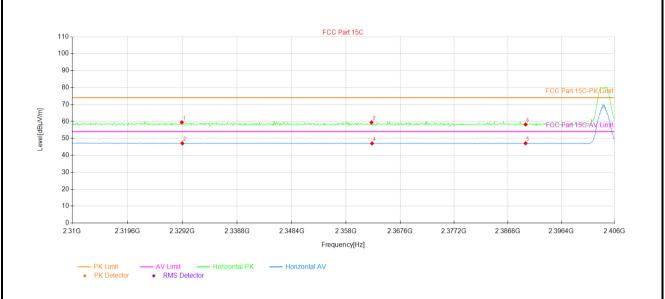


Suspe	Suspected Data List											
NO	Freq.	Reading	eading Factor Level Limit Margin Angle		Angle	Detector	Verdict	Dolority				
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	verdict	Polarity		
1	2326.99	23.00	36.12	59.12	74.00	14.88	2	PK	PASS	Vertical		
2	2326.99	11.05	36.12	47.17	54.00	6.83	172	AV	PASS	Vertical		
3	2359.63	10.74	36.32	47.06	54.00	6.94	195	AV	PASS	Vertical		
4	2359.63	22.79	36.32	59.11	74.00	14.89	318	PK	PASS	Vertical		
5	2390.00	21.76	36.47	58.23	74.00	15.77	184	PK	PASS	Vertical		
6	2390.00	10.64	36.47	47.11	54.00	6.89	38	AV	PASS	Vertical		

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE 2M PHY)
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V		

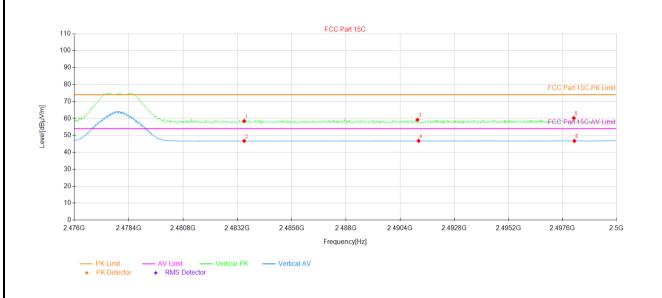


Suspe	ected Data	List								
NO	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Vardiat	Dolority
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Polarity
1	2329.10	23.32	36.13	59.45	74.00	14.55	350	PK	PASS	Horizontal
2	2329.20	10.96	36.13	47.09	54.00	6.91	265	AV	PASS	Horizontal
3	2362.51	23.04	36.34	59.38	74.00	14.62	2	PK	PASS	Horizontal
4	2362.61	10.69	36.34	47.03	54.00	6.97	208	AV	PASS	Horizontal
5	2390.00	10.63	36.47	47.10	54.00	6.90	289	AV	PASS	Horizontal
6	2390.00	21.76	36.47	58.23	74.00	15.77	200	PK	PASS	Horizontal

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE 2M PHY)
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V		

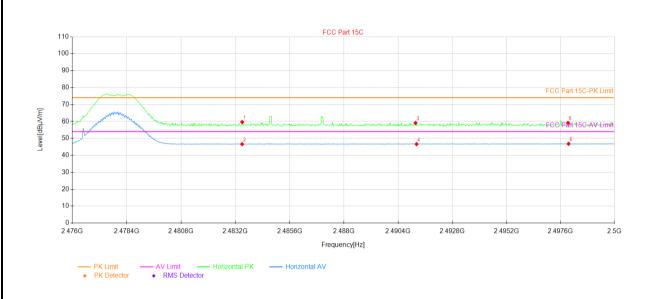


Suspe	Suspected Data List											
NO.	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Verdict	Polarity		
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	verdict			
1	2483.50	22.36	36.11	58.47	74.00	15.53	86	PK	PASS	Vertical		
2	2483.50	10.60	36.11	46.71	54.00	7.29	78	AV	PASS	Vertical		
3	2491.17	23.11	36.14	59.25	74.00	14.75	149	PK	PASS	Vertical		
4	2491.22	10.63	36.14	46.77	54.00	7.23	302	AV	PASS	Vertical		
5	2498.10	24.04	36.17	60.21	74.00	13.79	227	PK	PASS	Vertical		
6	2498.13	10.55	36.17	46.72	54.00	7.28	284	AV	PASS	Vertical		

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE 2M PHY)
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V		

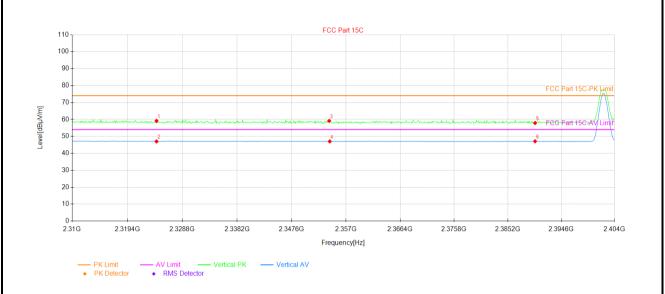


Suspe	ected Data	List								
NO.	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Vardiat	Polarity
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Folanty
1	2483.50	23.53	36.11	59.64	74.00	14.36	301	PK	PASS	Horizontal
2	2483.50	10.50	36.11	46.61	54.00	7.39	103	AV	PASS	Horizontal
3	2491.17	22.97	36.14	59.11	74.00	14.89	226	PK	PASS	Horizontal
4	2491.22	10.49	36.14	46.63	54.00	7.37	207	AV	PASS	Horizontal
5	2497.94	22.96	36.17	59.13	74.00	14.87	49	PK	PASS	Horizontal
6	2497.96	10.62	36.17	46.79	54.00	7.21	99	AV	PASS	Horizontal

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE Coded PHY, S=2)
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V		

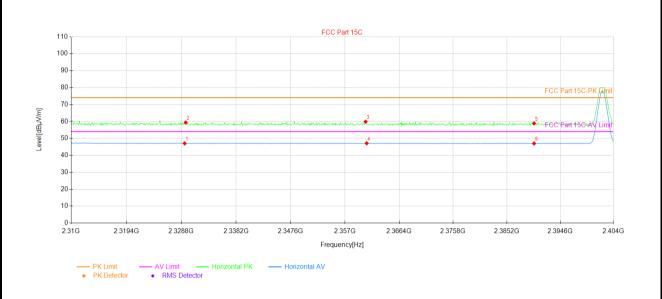


Suspe	Suspected Data List										
NO.	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Vordint	Delevity	
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Polarity	
1	2324.38	23.03	36.12	59.15	74.00	14.85	284	PK	PASS	Vertical	
2	2324.38	10.90	36.12	47.02	54.00	6.98	198	AV	PASS	Vertical	
3	2354.09	22.85	36.29	59.14	74.00	14.86	109	PK	PASS	Vertical	
4	2354.18	10.77	36.29	47.06	54.00	6.94	31	AV	PASS	Vertical	
5	2390.00	21.43	36.47	57.90	74.00	16.10	90	PK	PASS	Vertical	
6	2390.00	10.66	36.47	47.13	54.00	6.87	132	AV	PASS	Vertical	

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE Coded PHY, S=2)
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V		

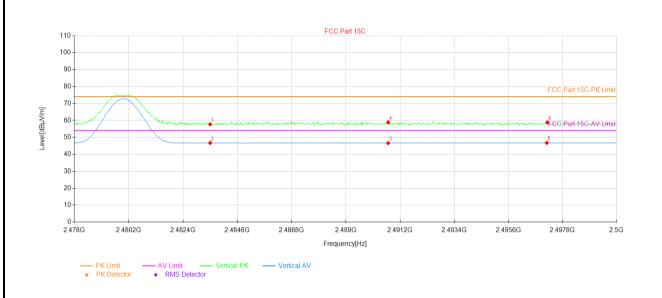


Suspected Data List											
NO.	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Verdict	Dolority	
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	verdict	Polarity	
1	2329.36	10.93	36.13	47.06	54.00	6.94	179	AV	PASS	Horizontal	
2	2329.55	23.21	36.13	59.34	74.00	14.66	114	PK	PASS	Horizontal	
3	2360.57	23.55	36.32	59.87	74.00	14.13	65	PK	PASS	Horizontal	
4	2360.76	10.79	36.32	47.11	54.00	6.89	277	AV	PASS	Horizontal	
5	2390.00	22.39	36.47	58.86	74.00	15.14	335	PK	PASS	Horizontal	
6	2390.00	10.52	36.47	46.99	54.00	7.01	243	AV	PASS	Horizontal	

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE Coded PHY, S=2)
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V		

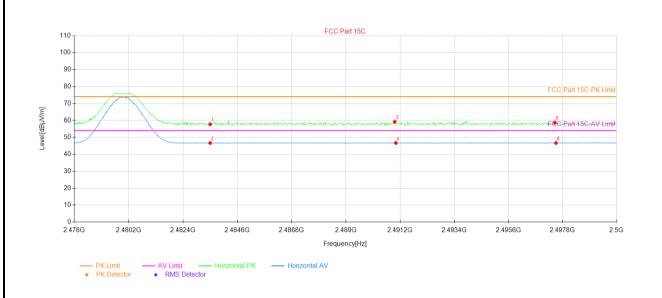


Suspe	Suspected Data List										
NO	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Vandiat	Delevite	
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Polarity	
1	2483.50	21.62	36.11	57.73	74.00	16.27	295	PK	PASS	Vertical	
2	2483.50	10.60	36.11	46.71	54.00	7.29	242	AV	PASS	Vertical	
3	2490.72	10.47	36.14	46.61	54.00	7.39	34	AV	PASS	Vertical	
4	2490.72	22.76	36.14	58.90	74.00	15.10	72	PK	PASS	Vertical	
5	2497.16	10.59	36.17	46.76	54.00	7.24	227	AV	PASS	Vertical	
6	2497.18	22.69	36.17	58.86	74.00	15.14	166	PK	PASS	Vertical	

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE Coded PHY, S=2)
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V		

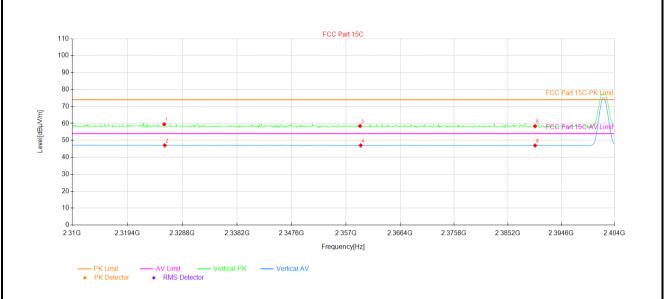


Suspe	Suspected Data List										
NO	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Vardiat	Polarity	
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict		
1	2483.50	21.64	36.11	57.75	74.00	16.25	278	PK	PASS	Horizontal	
2	2483.50	10.58	36.11	46.69	54.00	7.31	306	AV	PASS	Horizontal	
3	2490.98	23.08	36.14	59.22	74.00	14.78	210	PK	PASS	Horizontal	
4	2491.02	10.56	36.14	46.70	54.00	7.30	117	AV	PASS	Horizontal	
5	2497.49	22.51	36.17	58.68	74.00	15.32	174	PK	PASS	Horizontal	
6	2497.54	10.49	36.17	46.66	54.00	7.34	126	AV	PASS	Horizontal	

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE Coded PHY, S=8)
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V		

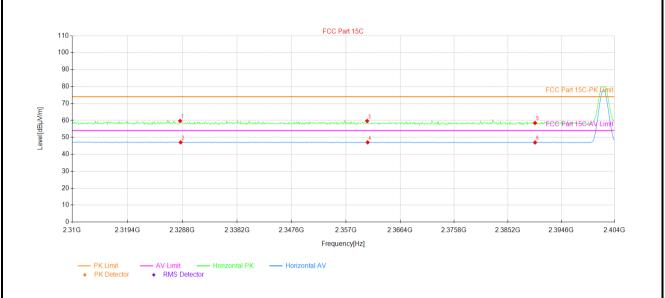


Suspe	Suspected Data List										
NO	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Vardiat	Delerity	
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	Polarity	
1	2325.70	23.43	36.12	59.55	74.00	14.45	205	PK	PASS	Vertical	
2	2325.79	10.97	36.12	47.09	54.00	6.91	118	AV	PASS	Vertical	
3	2359.44	22.15	36.32	58.47	74.00	15.53	156	PK	PASS	Vertical	
4	2359.54	10.74	36.32	47.06	54.00	6.94	9	AV	PASS	Vertical	
5	2390.00	21.91	36.47	58.38	74.00	15.62	292	PK	PASS	Vertical	
6	2390.00	10.53	36.47	47.00	54.00	7.00	190	AV	PASS	Vertical	

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE Coded PHY, S=8)
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 3.85V		

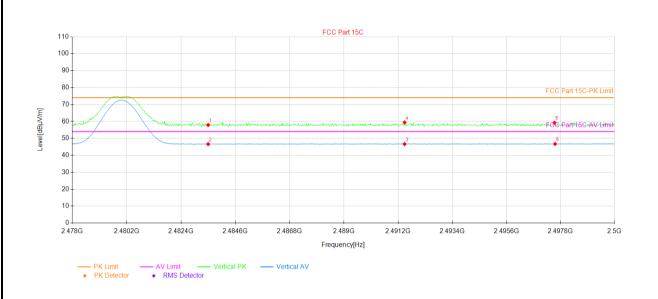


Suspected Data List										
NO.	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Voudiet	Polarity
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	Verdict	
1	2328.42	23.61	36.12	59.73	74.00	14.27	75	PK	PASS	Horizontal
2	2328.52	10.95	36.12	47.07	54.00	6.93	207	AV	PASS	Horizontal
3	2360.67	23.37	36.32	59.69	74.00	14.31	156	PK	PASS	Horizontal
4	2360.76	10.74	36.32	47.06	54.00	6.94	313	AV	PASS	Horizontal
5	2390.00	22.04	36.47	58.51	74.00	15.49	97	PK	PASS	Horizontal
6	2390.00	10.51	36.47	46.98	54.00	7.02	332	AV	PASS	Horizontal

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



Product Name:	4G LTE smart phone	Product Model:	P65R
Test By:	Alan Chen	Test mode:	BLE Tx (LE Coded PHY, S=8)
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 3.85V		

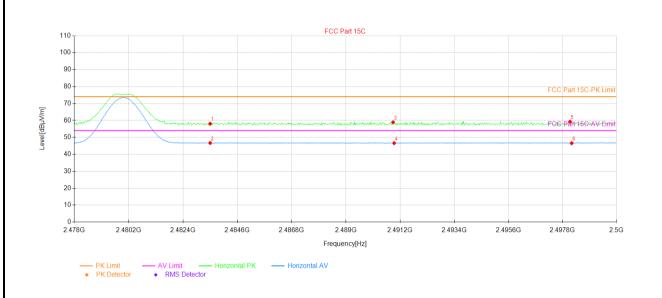


Suspe	Suspected Data List											
NO.	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Verdict	Polarity		
NO.	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector				
1	2483.50	21.79	36.11	57.90	74.00	16.10	310	PK	PASS	Vertical		
2	2483.50	10.51	36.11	46.62	54.00	7.38	128	AV	PASS	Vertical		
3	2491.46	10.51	36.14	46.65	54.00	7.35	31	AV	PASS	Vertical		
4	2491.46	23.26	36.14	59.40	74.00	14.60	143	PK	PASS	Vertical		
5	2497.56	23.05	36.17	59.22	74.00	14.78	31	PK	PASS	Vertical		
6	2497.58	10.56	36.17	46.73	54.00	7.27	183	AV	PASS	Vertical		

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



Product Name:	4G LTE smart phone	Product Model:	P65R	
Test By:	Alan Chen	Test mode:	BLE Tx (LE Coded PHY, S=8)	
Test Channel:	Highest channel	Polarization:	Horizontal	
Test Voltage:	DC 3.85V			



Suspe	Suspected Data List											
NO.	Freq.	Reading	Factor	Level	Limit	Margin	Angle	Detector	Verdict	Polarity		
	[MHz]	[dBµV]	[dB/m]	[dBµV/m]	[dBµV/m]	[dB]	[°]	Detector	verdict			
1	2483.50	21.95	36.11	58.06	74.00	15.94	314	PK	PASS	Horizontal		
2	2483.50	10.59	36.11	46.70	54.00	7.30	344	AV	PASS	Horizontal		
3	2490.91	22.76	36.14	58.90	74.00	15.10	95	PK	PASS	Horizontal		
4	2490.96	10.47	36.14	46.61	54.00	7.39	113	AV	PASS	Horizontal		
5	2498.11	23.06	36.17	59.23	74.00	14.77	299	PK	PASS	Horizontal		
6	2498.17	10.40	36.17	46.57	54.00	7.43	295	AV	PASS	Horizontal		

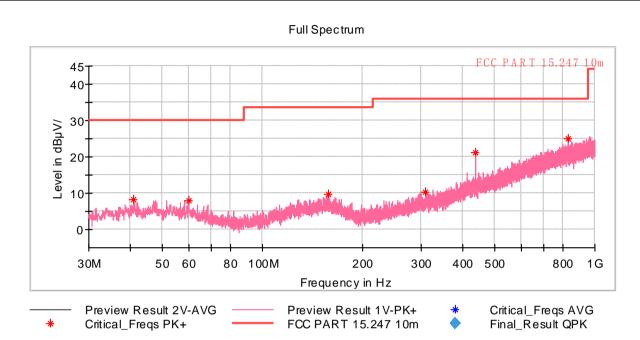
1. Level = Reading + Factor(Antenna Factor + Cable Loss - Preamplifier Factor).



# 5.5 Emissions in Non-restricted Frequency Bands

#### **Below 1GHz:**

Product Name:	Product Name: 4G LTE smart phone		P65R	
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE 1M PHY)	
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical	
Test Voltage:	DC 3.85V			



# Critical\_Freqs

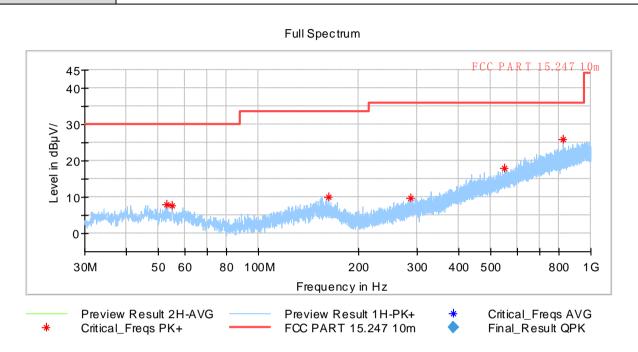
<u> </u>										
Frequency	MaxPeak	Limit	Margin	Height	Pol	Azimuth	Corr.	Comment		
(MHz)	(dB µ V/m)	(dB $\mu$ V/m)	(dB)	(cm)		(deg)	(dB/m)			
157.603500	9.83	33.50	23.67	100.0	V	0.0	-15.3	16:09:27 - 2024/5/24		
833.742000	25.00	36.00	11.00	100.0	V	0.0	-2.1	16:09:27 - 2024/5/24		
308.923500	10.26	36.00	25.74	100.0	٧	306.0	-14.9	16:09:27 - 2024/5/24		
40.961000	8.14	30.00	21.86	100.0	٧	336.0	-16.5	16:09:27 - 2024/5/24		
59.827500	8.07	30.00	21.93	100.0	٧	336.0	-17.0	16:09:27 - 2024/5/24		
438.564000	21.24	36.00	14.76	100.0	V	336.0	-10.6	16:09:27 - 2024/5/24		

## Remark:

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



Product Name: 4G LTE smart phone		Product Model:	P65R	
Test By:	Kiran Zeng	Test mode:	BLE Tx (LE 1M PHY)	
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal	
Test Voltage:	DC 3.85V			



# **Critical Freqs**

<b>0</b> ua	. 090							
Frequency	MaxPeak	Limit	Margin	Height	Pol	Azimuth	Corr.	Comment
(MHz)	(dB $\mu$ V/m)	(dB µ V/m)	(dB)	(cm)		(deg)	(dB/m)	
52.795000	7.86	30.00	22.14	100.0	Н	228.0	-16.5	16:04:02 - 2024/5/24
55.074500	7.58	30.00	22.42	100.0	Н	211.0	-16.5	16:04:02 - 2024/5/24
162.599000	10.10	33.50	23.40	100.0	Н	254.0	-15.5	16:04:02 - 2024/5/24
286.710500	9.80	36.00	26.20	100.0	Н	0.0	-15.6	16:04:02 - 2024/5/24
551.035500	18.04	36.00	17.96	100.0	Н	139.0	-7.8	16:04:02 - 2024/5/24
824.963500	25.86	36.00	10.14	100.0	Н	186.0	-2.2	16:04:59 - 2024/5/24

#### Remark:

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



#### **Above 1GHz:**

NOVE IGHZ.									
		В	LE Tx (LE 1M PH	IY)					
		Test o	hannel: Lowest c	hannel					
		D	etector: Peak Val	ue					
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization			
4804.00	48.60	-8.00	40.60	74.00	33.40	Vertical			
4804.00	47.82	-8.00	39.82	74.00	34.18	Horizontal			
Detector: Average Value									
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization			
4804.00	39.60	-8.00	31.60	54.00	22.40	Vertical			
4804.00	39.12	-8.00	31.12	54.00	22.88	Horizontal			
		Test	channel: Middle cl	nannel					
			etector: Peak Val						
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization			
4884.00	47.64	-7.45	40.19	74.00	33.81	Vertical			
4884.00	47.36	-7.45	39.91	74.00	34.09	Horizontal			

Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization			
4884.00	47.64	-7.45	40.19	74.00	33.81	Vertical			
4884.00	47.36	-7.45	39.91	74.00	34.09	Horizontal			
	Detector: Average Value								
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization			
4884.00	38.36	-7.45	30.91	54.00	23.09	Vertical			
4884.00	38.39	-7.45	30.94	54.00	23.06	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	47.70	-7.08	40.62	74.00	33.38	Vertical				
4960.00	47.64	-7.08	40.56	74.00	33.44	Horizontal				
		Det	ector: Average Va	alue						
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization				
4960.00	38.91	-7.08	31.83	54.00	22.17	Vertical				
4960.00	37.94	-7.08	30.86	54.00	23.14	Horizontal				

#### Remark:

<sup>1.</sup> Level = Reading + Factor.

<sup>2.</sup> Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.



		В	LE Tx (LE 2M PH	IY)					
		Test	hannel: Lowest c	hannel					
		D	etector: Peak Val	ue					
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Folanzation			
4804.00	47.51	-8.00	39.51	74.00	34.49	Vertical			
4804.00	47.13	-8.00	39.13	74.00	34.87	Horizontal			
		Det	ector: Average Va	alue					
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Polarization			
4804.00	39.00	-8.00	31.00	54.00	23.00	Vertical			
4804.00	39.05	-8.00	31.05	54.00	22.95	Horizontal			
Test channel: Middle channel									
Detector: Peak Value									
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	1 Olalization			
4884.00	47.80	-7.45	40.35	74.00	33.65	Vertical			
4884.00	46.70	-7.45	39.25	74.00	34.75	Horizontal			
		Det	ector: Average Va	alue					
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Polarization			
4884.00	39.22	-7.45	31.77	54.00	22.23	Vertical			
4884.00	38.45	-7.45	31.00	54.00	23.00	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)	Polarization			
4960.00	47.89	-7.08	40.81	74.00	33.19	Vertical			
4960.00	47.34	-7.08	40.26	74.00	33.74	Horizontal			
		Det	ector: Average Va	alue					
Frequency	Read Level	Factor	Level	Limit	Margin	Deleviertier			
(MHz)	(dBu\/)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Polarization			

(MHz)

4960.00

4960.00

(dBµV)

39.44

38.71

(dBµV/m)

32.36

31.63

 $(dB\mu V/m)$ 

54.00

54.00

(dB)

21.64

22.37

(dB)

-7.08

-7.08

Project No.: JYTSZR2405096

Vertical

Horizontal

<sup>1.</sup> Level = Reading + Factor.

<sup>2.</sup> 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)	Polatization			
4804.00	48.35	-8.00	40.35	74.00	33.65	Vertical			
4804.00	47.27	-8.00	39.27	74.00	34.73	Horizontal			
		Det	ector: Average Va	alue					
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)				
4804.00	39.52	-8.00	31.52	54.00	22.48	Vertical			
4804.00	38.49	-8.00	30.49	54.00	23.51	Horizontal			
Test channel: Middle channel									
	Dandland		etector: Peak Val		NAi				
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization			
4884.00	(αΒμν) 48.12	-7.45	40.67	74.00	33.33	Vertical			
4884.00	47.64	-7.45 -7.45	40.07	74.00	33.81	Horizontal			
4004.00	47.04		ector: Average Va		33.01	Honzontal			
Frequency	Read Level	Factor	Level	Limit	Margin				
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Polarization			
4884.00	39.21	-7.45	31.76	54.00	22.24	Vertical			
4884.00	38.63	-7.45	31.18	54.00	22.82	Horizontal			
		-			-				
		Test c	hannel: Highest c	hannel					
		D	etector: Peak Val	ue					
Frequency	Read Level	Factor	Level	Limit	Margin	Dolorization			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Polarization			
4960.00	48.56	-7.08	41.48	74.00	32.52	Vertical			
4960.00	47.12	-7.08	40.04	74.00	33.96	Horizontal			
		Det	ector: Average Va	alue					
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	i dianzadon			
4960.00	38.70	-7.08	31.62	54.00	22.38	Vertical			
4960.00	38.61	-7.08	31.53	54.00	22.47	Horizontal			

<sup>1.</sup> Level = Reading + Factor.

<sup>2.</sup> 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	48.20	-8.00	40.20	74.00	33.80	Vertical
4804.00	47.05	-8.00	39.05	74.00	34.95	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization
4804.00	39.33	-8.00	31.33	54.00	22.67	Vertical
4804.00	38.34	-8.00	30.34	54.00	23.66	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization
4884.00	47.46	-7.45	40.01	74.00	33.99	Vertical
4884.00	47.80	-7.45	40.35	74.00	33.65	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization
4884.00	38.85	-7.45	31.40	54.00	22.60	Vertical
4884.00	38.82	-7.45	31.37	54.00	22.63	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	48.49	-7.08	41.41	74.00	32.59	Vertical
4960.00	46.67	-7.08	39.59	74.00	34.41	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarization

4960.00

4960.00

39.42

38.45

32.34

31.37

54.00

54.00

21.66

22.63

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

-7.08

-7.08

Project No.: JYTSZR2405096

Vertical

Horizontal

<sup>1.</sup> 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.