TEST REPORT

FCC ID: 2APMJBV6800PRO Product: Smart phone Model No.: BV6800Pro Additional Model No.: N/A Trade Mark: Blackview Report No.: TCT181023E045 Issued Date: Nov. 20, 2018

Shenzhen DOKE Electronic Co., Ltd 13th Floor, Weidonglong commercial building B, Meilong avenue, Longhua New District, Shenzhen, China

Issued for:

Issued By:

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Report No.: TCT181023E045

1. Test Certification

Product:	Smart phone	
Model No.:	BV6800Pro	Ċ
Additional Model No.:	N/A	Rec.
Trade Mark:	Blackview	
Applicant:	Shenzhen DOKE Electronic Co., Ltd	
Address:	13th Floor, Weidonglong commercial building B, Meilong avenue, Longhua New District, Shenzhen, China	Č.
Manufacturer:	Shenzhen DOKE Electronic Co., Ltd	C
Address:	13th Floor, Weidonglong commercial building B, Meilong avenue, Longhua New District, Shenzhen, China	
Date of Test:	Oct. 24, 2018 – Nov. 19, 2018	
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247 558074 D01 15.247 Meas Guidance v05	
		<u> </u>

The above equipment has been tested by Shenzhen Tongce Testing Lab. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:	Jim Wang	Date:	Nov. 19, 2018	
Reviewed By:	Jin Wang Berf There	Date:	Nov. 20, 2018	Ś
Approved By:	Beryl Zhao	Date:	Nov. 20, 2018	
	Tomsin			
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2. Test Result Summary

	rement		CFR 47 Se	ection		Result	
Antenna r	equirement	§	15.203/§15	.247 (c)	K)	PASS	K
	ne Conducted ssion		§15.20	7		PASS	
	Peak Output		§15.247 (§2.104			PASS	
6dB Emissi	on Bandwidth		§15.247 (§2.104		Ì	PASS	
Power Spe	ctral Density		§15.247	(e)		PASS	
Band	lEdge		1§5.247 §2.1051, §2			PASS	
ίΩ.			§15.205/§1	5 209			
	Emission tem meets the requir m does not meet the	rement.	§2.1053, §2			PASS	
lote: 1. PASS: Test I 2. Fail: Test ite 3. N/A: Test ca	tem meets the requir	rement. requirement. the test object	§2.1053, §2	2.1057		PASS C	
lote: 1. PASS: Test I 2. Fail: Test ite 3. N/A: Test ca	tem meets the requir m does not meet the se does not apply to	rement. requirement. the test object	§2.1053, §2	2.1057		Co Co	
lote: 1. PASS: Test I 2. Fail: Test ite 3. N/A: Test ca	tem meets the requir m does not meet the se does not apply to	rement. requirement. the test object	§2.1053, §2	2.1057		PASS C	
lote: 1. PASS: Test I 2. Fail: Test ite 3. N/A: Test ca	tem meets the requir m does not meet the se does not apply to	rement. requirement. the test object	§2.1053, §2	2.1057		PASS CO	



3. EUT Description

Product:	Smart phone
Model No.:	BV6800Pro
Additional Model No.:	N/A
Trade Mark:	Blackview
BT Version:	V4.2 (This report is for BLE)
Operation Frequency:	2402MHz~2480MHz
Channel Separation:	2MHz
Number of Channel:	40
Modulation Technology:	GFSK
Antenna Type:	PIFA Antenna
Antenna Gain:	1.45dBi
Power Supply:	Rechargeable Li-ion Battery DC 3.85V
AC Adapter:	Model: HJ-FC018K7-US Input: 100-240V~50/60Hz 0.6A Output: 5V, 2A / 7V, 2A / 9V,2A

Operation Frequency each of channel

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
(<u>(</u> 0)	(<u> </u>				(LC)
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz
Remark: Channel 0, 19 & 39 have been tested.							
	0		1	\mathcal{T}	1 and		<u> </u>

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4. General Information

4.1. Test environment and mode

Operating Environment:		
Temperature:	25.0 °C	
Humidity:	56 % RH	
Atmospheric Pressure:	1010 mbar	
Test Mode:		

Engineering mode:	Keep the EUT in continuous transmitting
	by select channel and modulations(The
	value of duty cycle is 98.46%) with
	Fully-charged battery.

The sample was placed (0.1m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

4.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
	/	1		

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

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5. Facilities and Accreditations

5.1. Facilities

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

- FCC Registration No.: 645098
 - Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

• IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

5.2. Location

Shenzhen Tongce Testing Lab

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China

TEL: +86-755-27673339

5.3. Measurement Uncertainty

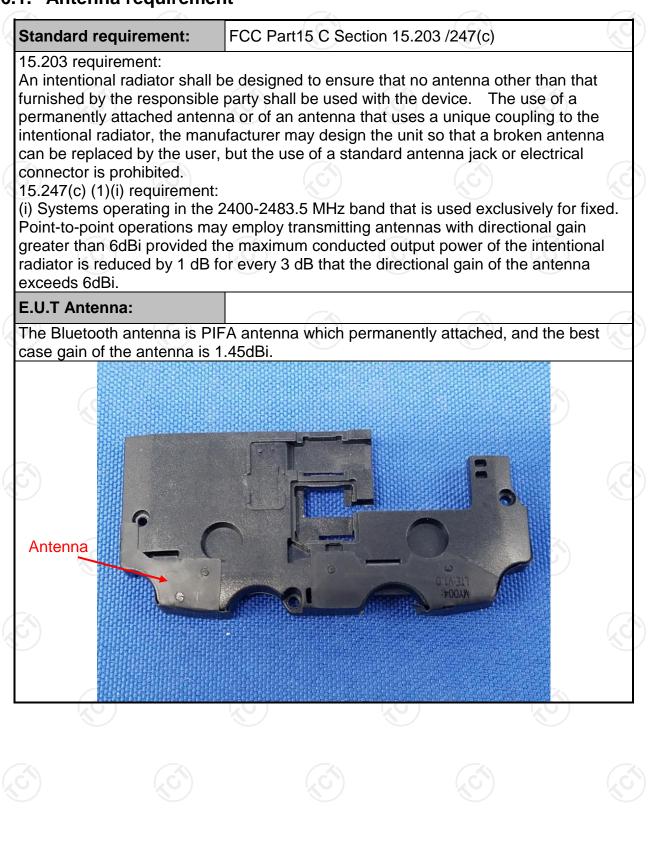
The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

Item	MU
Conducted Emission	±2.56dB
RF power, conducted	±0.12dB
Spurious emissions, conducted	±0.11dB
All emissions, radiated(<1G)	±3.92dB
All emissions, radiated(>1G)	±4.28dB
Temperature	±0.1°C
Humidity	±1.0%
	Conducted Emission RF power, conducted Spurious emissions, conducted All emissions, radiated(<1G)



6. Test Results and Measurement Data

6.1. Antenna requirement





6.2. Conducted Emission

6.2.1. Test Specification

			G			
Test Requirement:	FCC Part15 C Section 15.207					
Test Method:	ANSI C63.10:2013					
Frequency Range:	150 kHz to 30 MHz					
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto					
	Frequency range	Limit (dBuV)			
	(MHz)	Quasi-peak	Áverage			
Limits:	0.15-0.5	66 to 56*	56 to 46*			
	0.5-5	56	46			
	5-30	60	50			
	Refere	nce Plane				
Test Setup:	E.U.T Adap Test table/Insulation pla Remark: E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Test table height=0.8m	ne	ter — AC power			
Test Mode:	Charging + Transmittir	ng Mode				
Test Procedure:	 The E.U.T is connerimpedance stabilizing provides a 500hm/5 measuring equipme The peripheral device power through a Licoupling impedance refer to the block photographs). Both sides of A.C. conducted interferent emission, the relative the interface cables 	zation network 50uH coupling im nt. ces are also conne ISN that provides with 50ohm term diagram of the line are checke nce. In order to fir re positions of equ	(L.I.S.N.). This pedance for the ected to the main a 50ohm/50uH nination. (Please test setup and d for maximum nd the maximum ipment and all o			
		on conducted me	asurement			
Test Result:	ANSI C63.10: 2013 PASS	on conducted me	asurement.			

TCT通测检测 6.2.2. Test Instruments

Report No.: TCT181023E045

Conducted Emission Shielding Room Test Site (843)							
Equipment	Manufacturer	Model	Serial Number	Calibration Due			
Test Receiver	R&S	ESPI	101401	Jul. 17, 2019			
LISN	Schwarzbeck	NSLK 8126	8126453	Sep. 20, 2019			
Coax cable (9KHz-30MHz)	тст	CE-05	N/A	Sep. 16, 2019			
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A			

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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6.2.3. Test data

Please refer to following diagram for individual Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz) 80.0 dBu¥ 70 FCC Part 15C Conduction(QP) 60 FCC Part 15C Conduction(AVG) 50 40 30 peak 20 AVG 10 0.0 0.150 0.5 (MHz) 5 30.000 25 Site Phase: L1 Temperature:

Limit: FCC Part 15C Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %

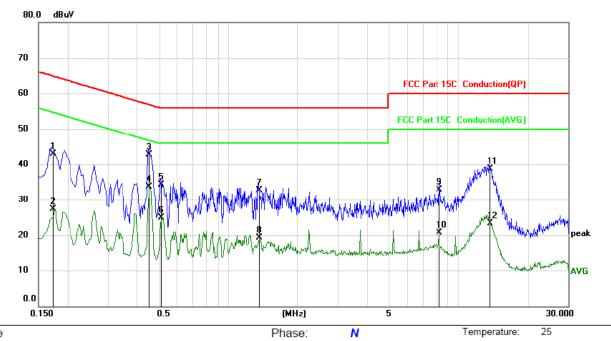
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1949	33.20	10.22	43.42	63.83	-20.41	QP	
2		0.1949	21.90	10.22	32.12	53.83	-21.71	AVG	
3		0.4560	35.81	10.22	46.03	56.77	-10.74	QP	
4	*	0.4560	32.01	10.22	42.23	46.77	-4.54	AVG	
5		0.5100	27.20	10.22	37.42	56.00	-18.58	QP	
6		0.5100	21.62	10.22	31.84	46.00	-14.16	AVG	
7		1.2660	25.00	10.38	35.38	56.00	-20.62	QP	
8		1.2660	15.15	10.38	25.53	46.00	-20.47	AVG	
9		1.7430	24.80	10.43	35.23	56.00	-20.77	QP	
10		1.7430	13.29	10.43	23.72	46.00	-22.28	AVG	
11		13.0020	28.50	10.64	39.14	60.00	-20.86	QP	
12		13.0020	13.52	10.64	24.16	50.00	-25.84	AVG	

Note:

Freq. = Emission frequency in MHz Reading level $(dB\mu V)$ = Receiver reading Corr. Factor (dB) = Antenna factor + Cable loss Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)Limit $(dB\mu V)$ = Limit stated in standard Margin (dB) = Measurement $(dB\mu V)$ – Limits $(dB\mu V)$ Q.P. =Quasi-Peak AVG =average * is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz

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AC 120V/60Hz

Humidity:

55 %

Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)

Site

Limit: FCC Part 15C Conduction(QP)

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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1724	32.61	10.22	42.83	64.84	-22.01	QP	
2		0.1724	17.09	10.22	27.31	54.84	-27.53	AVG	
3		0.4515	32.40	10.22	42.62	56.85	-14.23	QP	
4	*	0.4515	23.48	10.22	33.70	46.85	-13.15	AVG	
5		0.5100	24.00	10.22	34.22	56.00	-21.78	QP	
6		0.5100	14.73	10.22	24.95	46.00	-21.05	AVG	
7		1.3559	22.40	10.39	32.79	56.00	-23.21	QP	
8		1.3559	8.97	10.39	19.36	46.00	-26.64	AVG	
9		8.2454	22.30	10.53	32.83	60.00	-27.17	QP	
10		8.2454	10.24	10.53	20.77	50.00	-29.23	AVG	
11		13.6500	28.10	10.70	38.80	60.00	-21.20	QP	
12		13.6500	12.58	10.70	23.28	50.00	-26.72	AVG	

Power:

Note1:

Freq. = Emission frequency in MHz

Reading level ($dB\mu V$) = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss

 $\textit{Measurement (dB}\mu \textit{V}) = \textit{Reading level (dB}\mu \textit{V}) + \textit{Corr. Factor (dB)}$

 $Limit (dB\mu V) = Limit stated in standard$

Margin (dB) = Measurement (dB μ V) – Limits (dB μ V)

Q.P. =Quasi-Peak AVG =average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

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6.3. Conducted Output Power

6.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)					
Test Method:	KDB558074					
Limit:	30dBm					
Test Setup:	Spectrum Analyzer EUT					
Test Mode:	Refer to item 4.1					
Test Procedure:	 The testing follows the Measurement Procedure of FCC KDB No. 558074 D01 15.247 Meas Guidance v05 Set spectrum analyzer as following: a) Set the RBW ≥ DTS bandwidth. b) Set VBW ≥ 3 x RBW. c) Set span ≥ 3 x RBW d) Sweep time = auto couple. e) Detector = peak. f) Trace mode = max hold. g) Allow trace to fully stabilize. h) Use peak marker function to determine the peak amplitude level. 					
Test Result:	PASS O					

6.3.2. Test Instruments

	Equipment	Manufacturer	Model	Serial Number	Calibration Due
(Spectrum Analyzer	R&S	FSU	200054	Sep. 20, 2019
N	RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 20, 2019
	Antenna Connector	ТСТ	RFC-01	N/A	Sep. 20, 2019

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

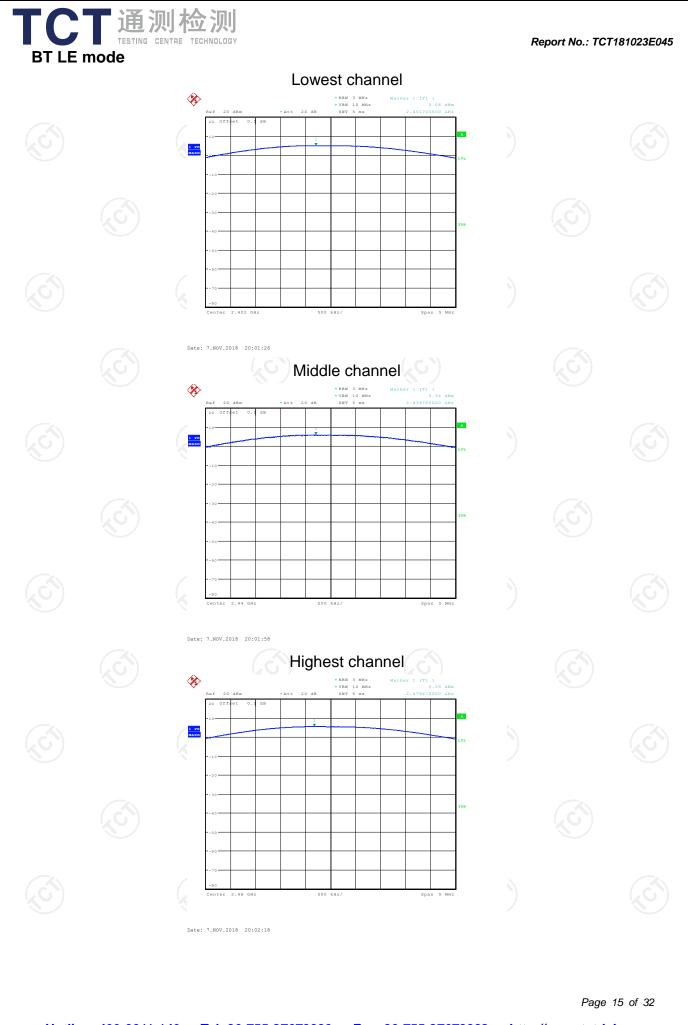
6.3.3. Test Data

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BT LE mode			
Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
Lowest	5.08	30.00	PASS
Middle	5.94	30.00	PASS
Highest	5.59	30.00	PASS

Test plots as follows:

C C	ots as follov	ws:						
							Doris	14 of 20
<u>Hotlin</u>	<u>e: 400-6611</u>	-140 Tel: 8	86-755-27673	3339 Fax:	<u>86-755-2767</u>	<u>3332 http</u>	Page ://www.tct-la	14 of 32 1 b.com



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6.4. Emission Bandwidth

6.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	KDB558074
Limit:	>500kHz
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Refer to item 4.1
Test Procedure:	 The testing follows FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05 Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. Measure and record the results in the test report.
Test Result:	PASS

6.4.2. Test Instruments

RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Due		
Spectrum Analyzer	R&S	FSU	200054	Sep. 20, 2019		
RF cable (9kHz-26.5GHz)	🕥 тст	RE-06	N/A	Sep. 20, 2019		
Antenna Connector	ТСТ	RFC-01	N/A	Sep. 20, 2019		

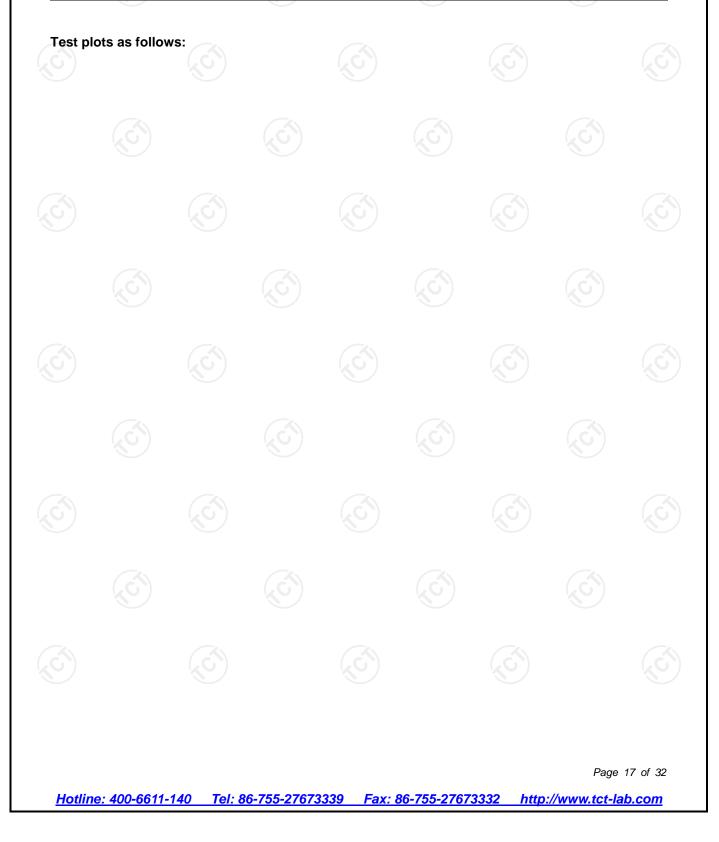
Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

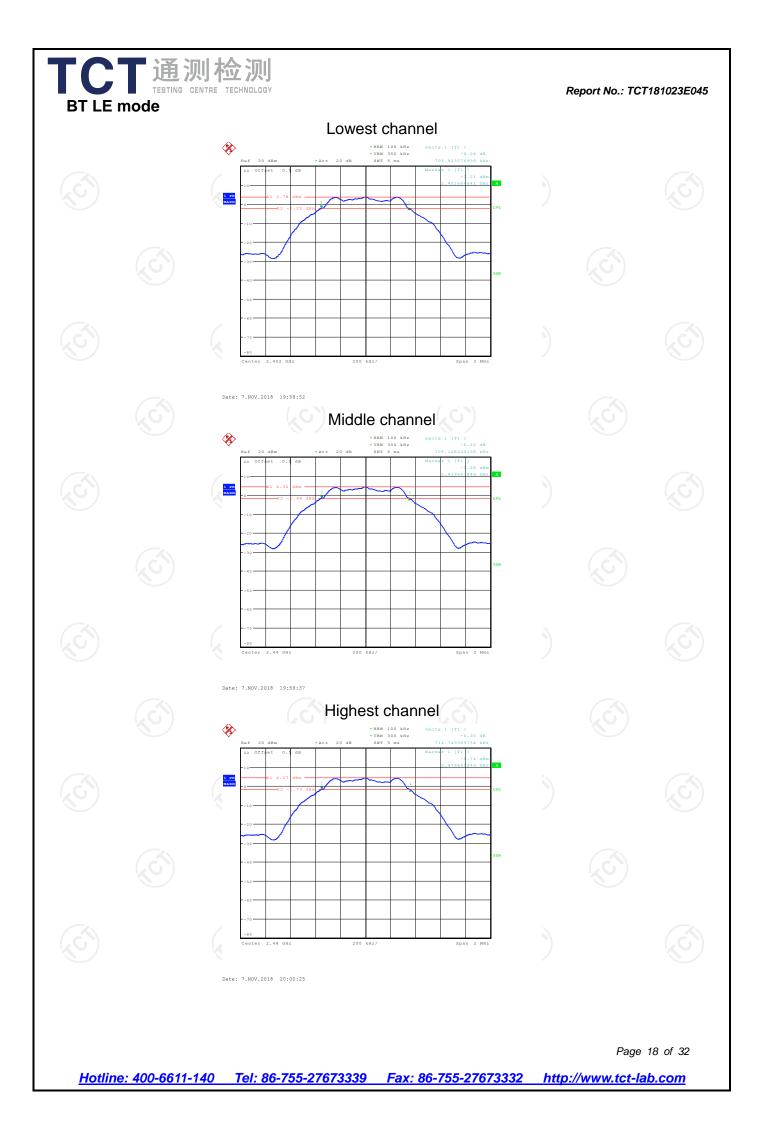




6.4.3. Test data

	Test channel	6dB Emission Bandwidth (kHz)				
6	Test channel	BT LE mode	Limit	Result		
0	Lowest	701.92	>500k	le la		
	Middle	705.13	>500k	PASS		
	Highest	714.74	>500k			







6.5. Power Spectral Density

6.6. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	KDB558074
Limit:	The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.
Test Setup:	
	Spectrum Analyzer EUT
Test Mode:	Refer to item 4.1
Test Procedure:	 The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW) Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report.
Test Result:	PASS

6.6.1. Test Instruments

RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Due			
Spectrum Analyzer	R&S	FSU	200054	Sep. 20, 2019			
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 20, 2019			
Antenna Connector	тст	RFC-01	N/A	Sep. 20, 2019			

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

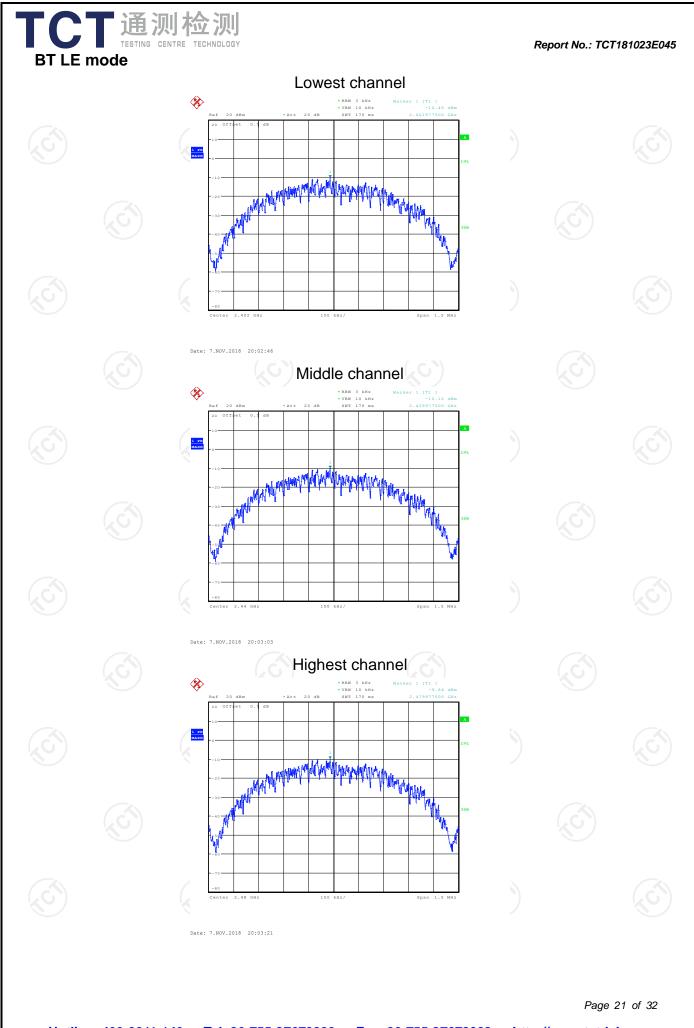
6.6.2. Test data

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Test shannel	Power Spectral Density (dBm/3kHz)					
Test channel	BT LE mode	Limit	Result			
Lowest	-10.45	8 dBm/3kHz	N.			
Middle	-10.12	8 dBm/3kHz	PASS			
Highest	-9.84	8 dBm/3kHz				

Test plots as follows:

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6.7. Conducted Band Edge and Spurious Emission Measurement

6.7.1. Test Specification

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Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).
Test Setup:	
	Spectrum Analyzer EUT
Test Mode:	Refer to item 4.1
Test Procedure:	 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is
	 used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). 4. Measure and record the results in the test report. 5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

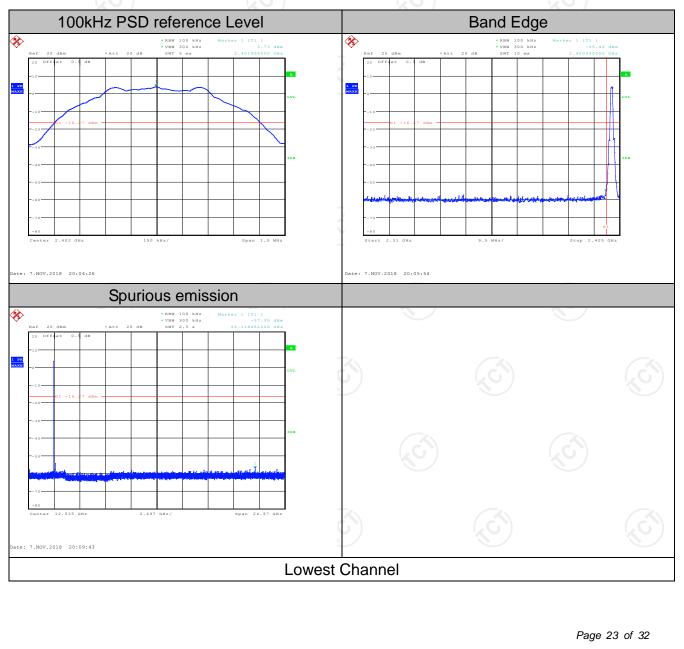
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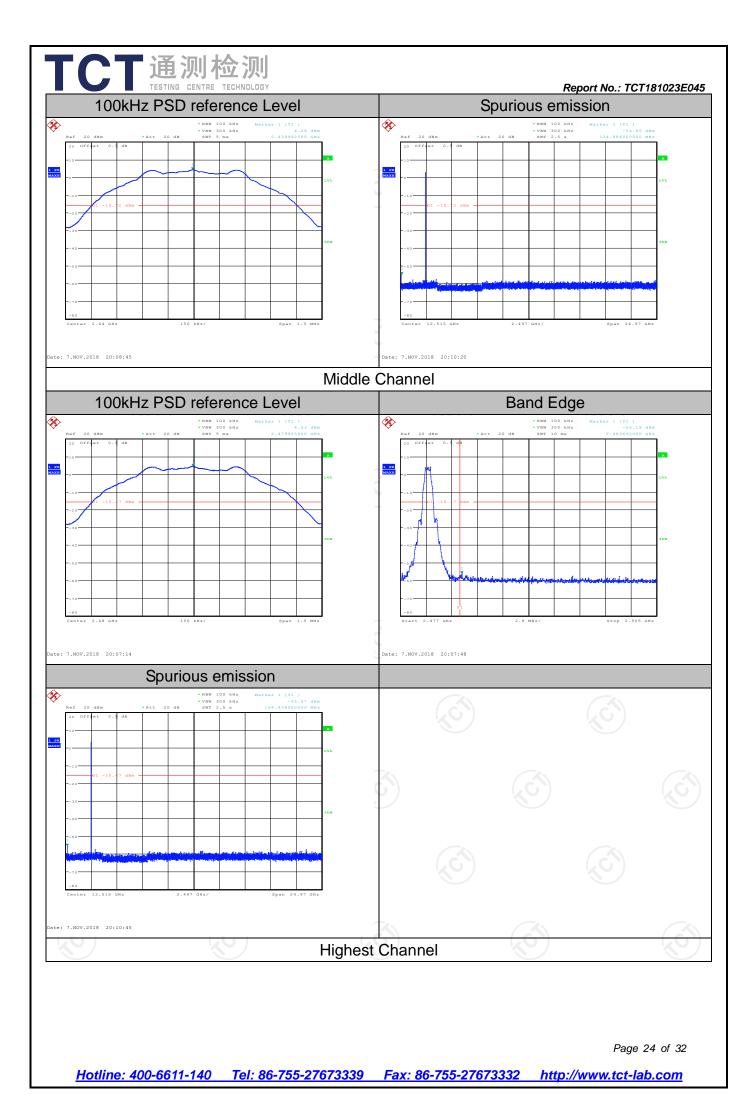
6.7.2. Test Instruments

RF Test Room												
Equipment	Manufacturer	Model	Serial Number	Calibration Due								
Spectrum Analyzer	R&S	FSU	200054	Sep. 20, 2019								
Spectrum Analyzer	ROHDE&SCH WARZ	FSQ	200061	Sep. 20, 2019								
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 20, 2019								
Antenna Connector	тст	RFC-01	N/A	Sep. 20, 2019								

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.7.3. Test Data







6.8. Radiated Spurious Emission Measurement

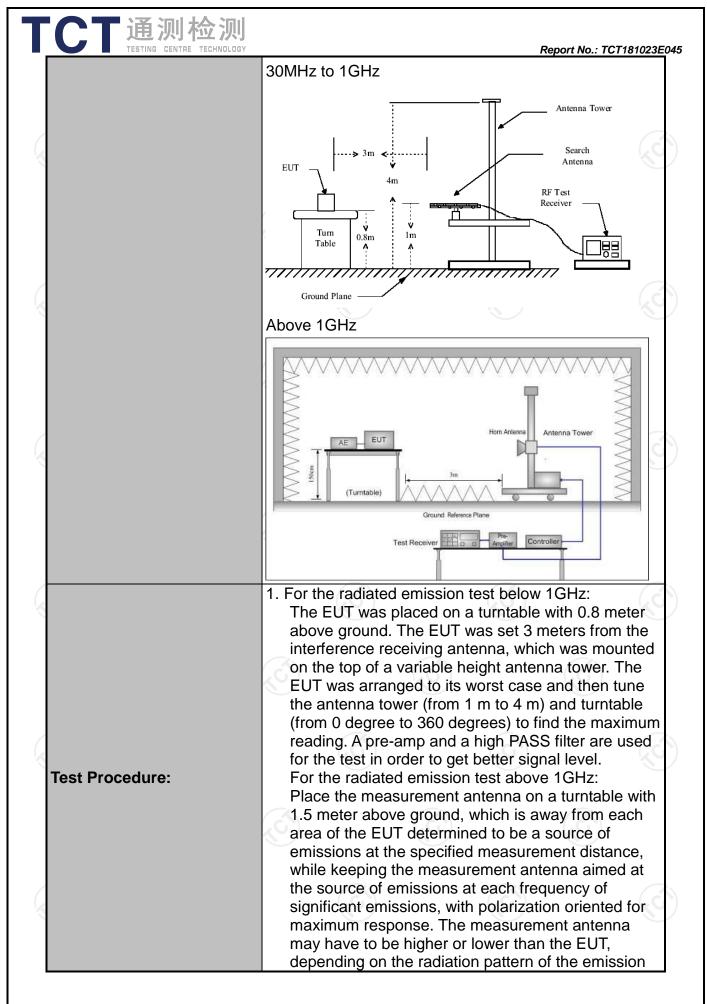
6.8.1. Test Specification

TCT 通测检测 TESTING CENTRE TECHNOLOGY

Test Requirement:	FCC Part15	C Sectior	15.209			8	
Test Method:	ANSI C63.10): 2013					
Frequency Range:	9 kHz to 25 (GHz	- Al			 A 	
Measurement Distance:	3 m	~	9		R	ý.	
Antenna Polarization:	Horizontal &	Vertical					
Operation mode:	Refer to item	n 4.1	(.C1)			
	Frequency	Detector	RBW	VBW	0	Remark	
Receiver Setup:	9kHz- 150kHz 150kHz- 30MHz	Quasi-peal Quasi-peal		1kHz 30kHz		<u>si-peak Value</u> si-peak Value	
	30MHz-1GHz	Quasi-peal	100KHz	300KHz	Qua	si-peak Value	
	Above 1GHz	Peak	1MHz	3MHz	P	eak Value	
		Peak	1MHz	10Hz	Av	erage Value	
	Frequen	су	Field Stre (microvolts		neter) Distan		
	0.009-0.4	490	2400/F(ł	(Hz)	300		
	0.490-1.7	1	24000/F(KHz)	30		
	1.705-30		30		30		
	30-88		100				
Limit:	88-216 216-96		150 200				
	Above 9		200 500		3 3 3 3 surement		
		()		, G`Ì			
	Frequency		Field Strength (microvolts/meter)			Detector	
		(500	3	-	Average	
	Above 1GHz	5000		3	1	Peak	
Test setup:	For radiated	Distance = 3m	s below 30	DMHz		Computer -	

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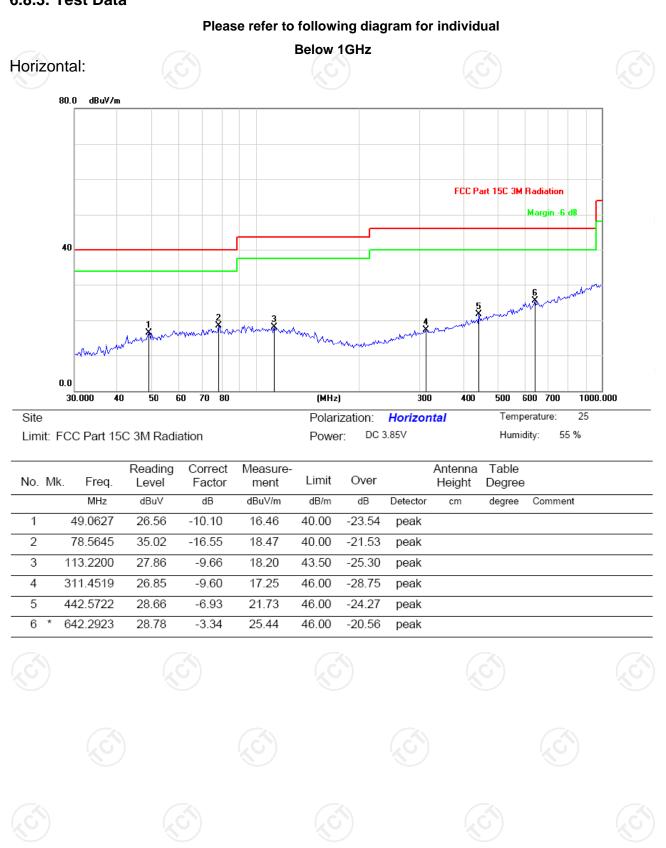
	l l
TESTING CENTRE TECHNOLOG	Report No.: TCT181023E0
	 and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=100 kHz for f < 1 GHz; VBW RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for f 1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum
Test mode:	power control level for the tested mode of operation. Refer to section 4.1 for details
Test results:	PASS

6.8.2. Test Instruments

Radiated Emission Test Site (966)										
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due						
Test Receiver	ROHDE&SCHW ARZ	ESIB7	100197	Jul. 17, 2019						
Spectrum Analyzer	ROHDE&SCHW ARZ	FSQ40	200061	Sep. 20, 2019						
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Sep. 16, 2019						
Pre-amplifier	HP	8447D	2727A05017	Sep. 16, 2019						
Loop antenna	ZHINAN	ZN30900A	12024	Oct. 20, 2019						
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 02, 2019						
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Oct. 20, 2019						
Antenna Mast	Keleto	RE-AM	N/A	N/A						
Coax cable (9KHz-1GHz)	тст	RE-low-01	N/A	Sep. 16, 2019						
Coax cable (9KHz-40GHz)	тст	RE-high-02	N/A	Sep. 16, 2019						
Coax cable (9KHz-1GHz)	тст	RE-low-03	N/A	Sep. 16, 2019						
Coax cable (9KHz-40GHz)	тст	RE-high-04	N/A	Sep. 16, 2019						
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A						

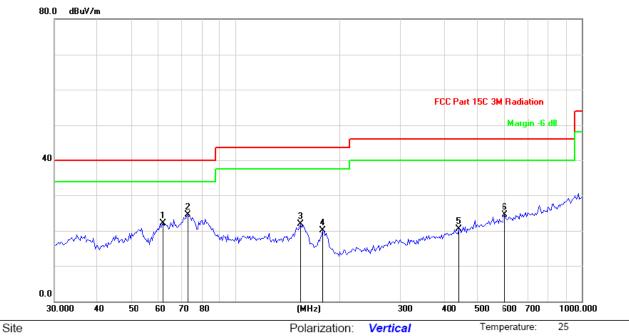
Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.8.3. Test Data



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Vertical:



Limit: FCC Part 15C 3M Radiation

DC 3.85V Power:

Humidity: 55 %

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No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1		61.8676	35.09	-12.99	22.10	40.00	-17.90	peak			
2	*	72.7203	40.34	-15.93	24.41	40.00	-15.59	peak			
3		154.2428	37.71	-15.80	21.91	43.50	-21.59	peak			
4		178.7697	34.61	-14.58	20.03	43.50	-23.47	peak			
5		442.5722	27.52	-6.93	20.59	46.00	-25.41	peak			
6		598.7067	28.31	-3.77	24.54	46.00	-21.46	peak			

Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (middle channel) was submitted only.

Above 1GHz

CT通测检测 TESTING CENTRE TECHNOLOGY

Low chann	el: 2402 N	1Hz							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Peak		Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
2390	Н	46.15		-8.27	37.88		74	54	-16.12
4804	Н	47.82		0.66	48.48		74	54	-5.52
7206	Н	38.47		9.50	47.97		74	54	-6.03
	Н								
2390	V	43.91	-+ 6	-8.27	35.64		74	54	-18.36
4804	V	44.06		0.66	44.72	<u> </u>	74	54	-9.28
7206	V	38.73		9.50	48.23		74	54	-5.77
	V								

Middle cha	nnel: 2440	MHz		0,1	51		(\mathcal{O})		(.C
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Peak	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4880	Н	43.68		0.99	44.67	~~	74	54	-9.33
7320	, CH	38.24	- (-,C	9.87	48.11	<u>, C]-</u>	74	54	-5.89
	H								
4880	V	44.50		0.99	45.49		74	54	-8.51
7320	V	39.39		9.87	49.26		74	54	-4.74
(O ⁻)	V			🔨))		KG.)		<u>i</u> XU
				7					

High chann	nel: 2480 N	ЛНz							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Peak	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
2483.5	H	46.82		-7.83	38.99	<u> </u>	74	54	-15.01
4960	Н	47.17		1.33	48.50		74	54	-5.50
7440	Н	39.69		10.22	49.91		74	54	-4.09
	Н			(e	<u> </u>				
				N.					K
2483.5	V	48.51		-7.83	40.68		74	54	-13.32
4960	V	47.36		1.33	48.69		74	54	-5.31
7440	V	37.95		10.22	48.17		74	54	-5.83
(V		- - , G			<u> </u>			

Note:

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss - Pre-amplifier

2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)

3. The emission levels of other frequencies are very lower than the limit and not show in test report.

4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.

5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

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