

W5E

W5E

WSE

oni& Tes

VSE'

WSE

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

WS

W5E

W5E



NSE

1151

WSET

For Question, Please Contact with WSCT www.wsct-cert.com

WS.

W5

Member of the WSCT IN

TEST REPORT

FCC ID: 2AIZN-X6720B Product: Mobile Phone Model No.: X6720B Trade Mark: Infinix Report No.: WSCT-ANAB-R&E240700032A-LE Issued Date: 12 August 2024

Issued for:

INFINIX MOBILITY LIMITED FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

Issued By:

World Standardization Certification & Testing Group(Shenzhen) Co.,Ltd. Building A-B, Baoli'an Industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen, Guangdong, Chinan & Testing

TEL: +86-755-26996192

FAX: +86-755-86376605

Note: This report shall not be reproduced except in full, without the written approval of World Standardization Certification& Testing Group (Shenzhen) Co., Ltd. This document may be altered or revised by World Standardization Certification& Testing Group (Shenzhen) Co., Ltd. personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

WSF

World Stanta Stanta Statutes Tegon

世标检测认证股份 ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

Page 1 of 53



151

ification & Testino

WSCT

PHOM * PT

e

Zation

Group I

75

VSCI

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

WSCT[°]

Report No.: WSCT-ANAB-R&E240700032A-LE





TABLE OF CONTENTS

For Question,
Please Contact with WSCT
www.wsct-cert.com

	WSET WSET	W5CT		WSET
1.	Test Certification			3
2.	Test Result Summary			4
<i>ET3</i> .	EUT Description	<u>567</u>	7	5
4.	Genera Information			7
	4.1. TEST ENVIRONMENT AND MODE			7
_/	4.2. DESCRIPTION OF SUPPORT UNITS	WSET N	WSET N	NY 5C
5.	Facilities and Accreditation	ıs		8
	5.1. FACILITIES		<u> </u>	
[7°]	5.2. ACCREDITATIONS	SET WSL	7 <u>W5</u>	8
	5.3. MEASUREMENT UNCERTAINTY			9
	5.4. MEASUREMENT INSTRUMENTS			10
6.	Test Results and Measuren	nent Data	WSET	
	6.1. ANTENNA REQUIREMENT			
	6.2. CONDUCTED EMISSION	\land		
CT N	6.3. CONDUCTED OUTPUT POWER	75FT W51	77 W75	
	6.4. EMISSION BANDWIDTH			
	6.5. POWER SPECTRAL DENSITY			26
/	6.6. CONDUCTED BAND EDGE AND SPURIO	OUS EMISSION MEASUREMENT	A115557	
/	6.7. RADIATED SPURIOUS EMISSION MEAS	SUREMENT		
7.	Test Setup Photographs	<u> </u>	<u> </u>	53



15

155

Page 2 of 53

Member of the WSCT INC.

NS

WSF



STT V





For Question

Please Contact with WSCT www.wsct-cert.com

Report No.: WSCT-ANAB-R&E240700032A-LE

1. Test Certification

	Product:	Mobile Phone
~	Model No.:	Х6720В
~	Trade Mark:	Infinix
	Applicant:	INFINIX MOBILITY LIMITED FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
7	Manufacturer:	INFINIX MOBILITY LIMITED FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN W5277 MEI STREET FOTAN NT HONGKONG
	Date of receipt:	16 June 2024
2	Date of Test:	17 June 2024 to 09 August 2024
	Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247 KDB 558074 D01 DTS Meas Guidance v04

The above equipment has been tested by World Standardization Certification & Testing Group(Shenzhen)Co., Ltd. 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.

AVISION	Want King	AVERA	1. gun	WISTER
Tested By:		Checked By: _	an Damp	n & Testino
X	(Wang Xiang)		(Qin Shuiquan)	See See
And A		1	Alter Alter	
Approved By:	infuen	Date:	12 Jugest vory	Auron * P
AVISION A	(Liù Fuxin)			
And B Terry	WISTER	AVE OF	WISTER	AVISITE .
Souther alion & Testing Citoup (Sherking)	VST WIST	istrial Park, No. 58 Tangtou Aver	w57 nue, Shiyan Street, Bao'an District Shenzhe	n,Guangdong china
World Star Astronomications (Dorsking)	p (Shenzhen) Co., Ltd. TEL: 86-755-26996192 2269960		ail: Fengbing.Wang@wsct-cert.com Http:	



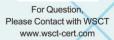
VSFT





Report No.: WSCT-ANAB-R&E240700032A-LE

2. Test Result Summary



/	Requirement	CFR 47 Section	Result	IWSLT N
	Antenna requirement	§15.203/§15.247 (c)	PASS	
C7°	AC Power Line Conducted Emission	§15.207	PASS	\checkmark
	Maximum conducted output power	§15.247 (b)(3) §2.1046	PASS	WSLT
	6dB Emission Bandwidth	§15.247 (a)(2) §2.1049	PASS	
	Power Spectral Density	§15.247 (e)	PASS	\checkmark
	Band Edge	1§5.247(d) §2.1051, §2.1057	PASS	WISET
\leq	Spurious Emission	§15.205/§15.209 §2.1053, §2.1057	PASS	

Note:

fication & Testino

W5[7

MON * PI

Cot

Zation

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.

SCT
 WSCT
 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com
 Http: www.wsct-cert.com

Page 4 of 53



ification & Testino

WSCT

and zation Certificant

e

Zation

Group .

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

NSET





For Question,

Please Contact with WSCT

Report No.: WSCT-ANAB-R&E240700032A-LE

3. EUT Description

			www.wsct-cert.com
	Product Name:	Mobile Phone WSCT WSCT	VSET
/	Model :	X6720B	
/	Trade Mark:	Infinix	
[7	Software version:	X6720-H353RS-U-OP-240531V276	SET
	Hardware version:	V1.2	
	Operation Frequency:	2402MHz~2480MHz	WSFT"
/	Channel Separation:	2MHz	
1	Number of Channel:	40	
C 7	Modulation Technology:	GFSK W5CT WSCT W	SET
	Antenna Type:	FIPA Antenna	X
	Antenna Gain:	-1.62dBi WSET WSET	WSET N
	Operating Voltage:	Adapter: U180XSA Input: 100-240V~50/60Hz 0.6A Output: 5.0V2.4A or 7.5V2.4A 18.0W MAX Rechargeable Li-ion Polymer Battery Model: BL-5AB Rated Voltage: 3.87V Rated Capacity: 4900mAh/18.97Wh Typical Capacity: 5000mAh/19.35Wh Limited Charge Voltage: 4.45V	XIET
/	Remark:	N/A.	
	Note: 1. N/A stands for no ap 2. Antenna gain provi		SET
	\times	\times \times \times	\times

Soft の
 ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china
 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

155

VSET

Member of the WSCT INC.

NSF

WSF



15E

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

WSCT[°]





For Question, Please Contact with WSCT www.wsct-cert.com

W5E

Operation Frequency each of channel

Report No.: WSCT-ANAB-R&E240700032A-LE

75

V51

151

ification & Testing

WSET

PLIOM * PI

Cori

ization

Group

	Operatio	n Frequenc	y each o	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
						WISET		WISCT
	8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
	9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz
	Remark: Channel 0, 19 & 39 have been tested.							

15

15

VSE

WSET

75

W5/

Page 6 of 53

Member of the WSCT INC

NSE







For Question, Please Contact with WSCT www.wsct-cert.com

Report No.: WSCT-ANAB-R&E240700032A-LE

4. Genera Information

4.1. Test environment and mode

Operating Environment:

Temperature:	25.0 °C
Humidity: 527	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.

2	Equipment	Model No.	Serial No.	FCC ID	Trade Name
			\mathbf{X}	/	Χ Ι

Note:

- All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
 Grounding was established in accordance with the manufacturer's requirements and conditions for the intended
 - use.

on & Test

'OM * P1

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.

世际检测认证股份
ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china
Group (Shenzhen) Co., Ltd.
TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com



5.

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.





For Question

Please Contact with WSCT www.wsct-cert.com

Report No.: WSCT-ANAB-R&E240700032A-LE

Facilities and Accreditations

5.1. Facilities

cation & Testi

WSEI

10M * P1

All measurement facilities used to collect the measurement data are located at Building A-B, Baoli'an Industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen, Guangdong, China of the World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.2. ACCREDITATIONS CNAS - Registration Number: L3732

China National Accreditation Service for Conformity Assessment, The test firm Registration Number: L3732

FCC - Designation Number: CN1303

World Standardization Certification & Testing Group(Shenzhen) CO., LTD. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Designation Number: CN1303.

ANAB - Certificate Number: AT-3951

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (ANAB).Certification Number: AT-3951

少世标检测认证股份
ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china
Group (Shenzhen) Co., Ltd.
TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

Page 8 of 53



Acation & Testing

W5[7

MON * PI

(Sher

Cot

zation

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

VSFT





For Question, Please Contact with WSCT www.wsct-cert.com

Report No.: WSCT-ANAB-R&E240700032A-LE

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 %.

lence of approximately 95 %.	
Item	MU
Power Spectral Density	±3.2dB
Duty Cycle and Tx-Sequence and Tx-Gap	±1%
Medium Utilisation Factor	±1.3%
Occupied Channel Bandwidth	±2.4%
Transmitter Unwanted Emission in the out-of Band	±1.3%
Transmitter Unwanted Emissions in the Spurious Domain	±2.5%
Receiver Spurious Emissions	±2.5%
Conducted Emission Test	±3.2dB
RF power, conducted	±0.16dB
Spurious emissions, conducted	±0.21dB
All emissions, radiated(<1GHz)	±4.7dB
All emissions, radiated(>1GHz)	±4.7dB
Temperature WSCT WSCT WS	±0.5°C
Humidity	±2.0%
	Item Power Spectral Density Duty Cycle and Tx-Sequence and Tx-Gap Medium Utilisation Factor Occupied Channel Bandwidth Transmitter Unwanted Emission in the out-of Band Transmitter Unwanted Emissions in the Spurious Domain Receiver Spurious Emissions Conducted Emission Test RF power, conducted Spurious emissions, conducted All emissions, radiated(<1GHz)

ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china Tel: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com



751

fication & Testin

WSC1

PHOM * PT

0

Test

Cet

zation

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.





For Question.

Report No.: WSCT-ANAB-R&E240700032A-LE

5.4.MEASUREMENT INSTRUMENTS

5.4.MEASUREMENT INSTRUMENTS						
NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibration Due.	15 ET
Test software		EZ-EMC	CON-03A	-	X-	
Test software	/	MTS8310		-		
EMI Test Receiver	R&S	ESCI	100005	11/05/2023	11/04/2024	
LISN	AFJ	LS16	16010222119	11/05/2023	11/04/2024	\times
LISN(EUT)	Mestec	AN3016	04/10040	11/05/2023	11/04/2024	75ET
Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	11/05/2023	11/04/2024	
Coaxial cable	Megalon	LMR400	N/A	11/05/2023	11/04/2024	
GPIB cable	Megalon	GPIB	N/A	11/05/2023	11/04/2024	
Spectrum Analyzer	R&S	FSU	100114	11/05/2023	11/04/2024	$^{\sim}$
Pre Amplifier	H.P.CT	HP8447E 57	2945A02715	11/05/2023	11/04/2024	15E7
Pre-Amplifier	CDSI	PAP-1G18-38		11/05/2023	11/04/2024	
Bi-log Antenna	SCHWARZBECK	VULB9168	01488	7/29/2024	7/28/2025	
9*6*6 Anechoic		VSET	W-SET	11/05/2023	11/04/2024	
Horn Antenna	COMPLIANCE ENGINEERING	CE18000		11/05/2023	11/04/2024	\times
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-631	11/05/2023	11/04/2024	
Cable	TIME MICROWAVE	LMR-400	N-TYPE04	11/05/2023	11/04/2024	FIS
System-Controller	ccs	N/A	N/A	N.C.R	N.C.R	
Turn Table	ccs	N/A	N/A	N.C.R	N.C.R	
Antenna Tower	CCS	N/A	N/A	N.C.R	N.C.R	
RF cable	Murata	MXHQ87WA300 0	-	11/05/2023	11/04/2024	\wedge
Loop Antenna	EMCO	6502W54	00042960	11/05/2023	11/04/2024	V5C1
Horn Antenna	SCHWARZBECK	BBHA 9170	1123	11/05/2023	11/04/2024	
Power meter	Anritsu	ML2487A	6K00003613	11/05/2023	11/04/2024	
Power sensor	Anritsu	MX248XD	WSLI	11/05/2023	11/04/2024	
Spectrum Analyzer	Keysight	N9010B	MY60241089	11/05/2023	11/04/2024	\times
						/ \

(Shenz ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com 世标检测认证股份

Page 10 of 53







Report No.: WSCT-ANAB-R&E240700032A-LE

6. Test Results and Measurement Data

For Question, Please Contact with WSCT www.wsct-cert.com

6.1. Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203 /247(c)
-----------------------	-------------------------------------

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(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

ication & Testi

'OM * P1

(She

The Bluetooth antenna is a FIPA Antenna. it meets the standards, and the best case gain of the antenna is -1.62dBi.

世标检测认证股份 ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china Ong Group (Shenzhen) Co.,Ltd. TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

Page 11 of 53



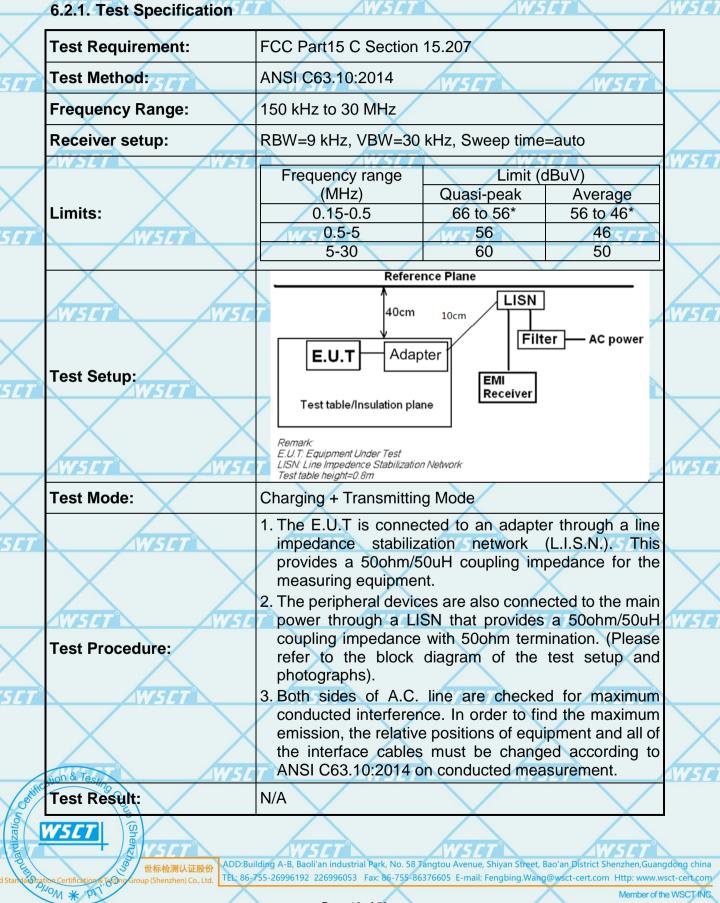




For Question Please Contact with WSCT www.wsct-cert.com

Report No.: WSCT-ANAB-R&E240700032A-LE

6.2. Conducted Emission





scation & Testing

WSC1

MON * P

(Sher

e

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.





For Question, Please Contact with WSCT www.wsct-cert.com

Report No.: WSCT-ANAB-R&E240700032A-LE

6.2.2. EUT OPERATING CONDITIONS

The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

世际检测认证股份 ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china Ong Group (Shenzhen) Co., Ltd. TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com



fication & Testin

WSC1

Mon * P

(She

Cor

World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.

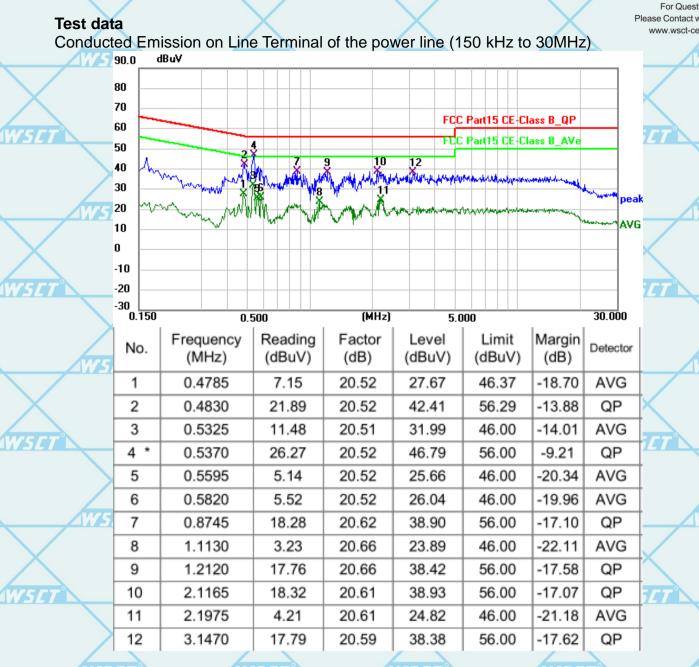


Report No.: WSCT-ANAB-R&E240700032A-LE



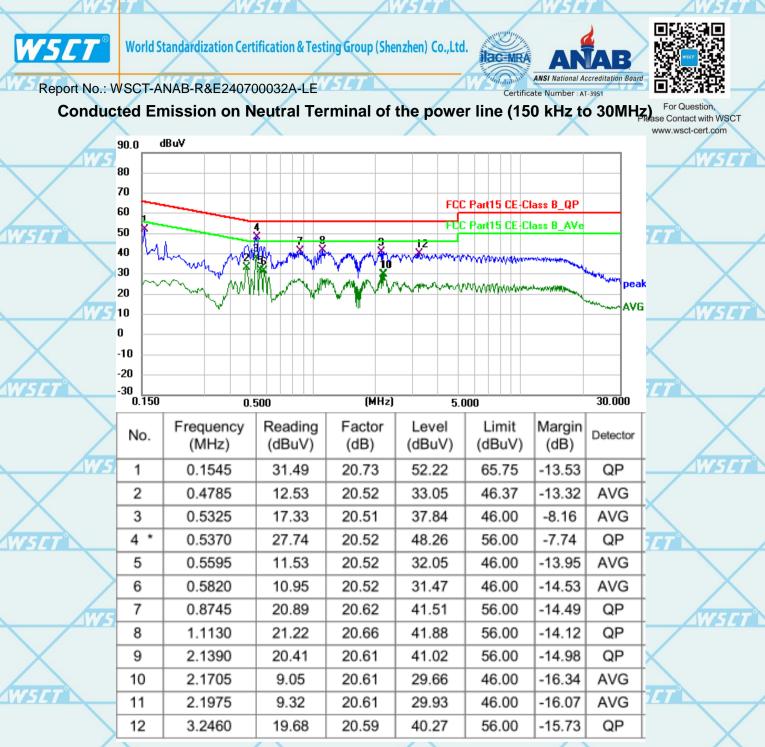


Please Contact with WSCT www.wsct-cert.com



ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china 世标检测认证股份 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

Page 14 of 53



Note1:

tion & Test

WSC1

MON * PI

Freq. = Emission frequency in MHz

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

Corr. Factor (dB) = LISN 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 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.

世标检测认证股份 Group (Shenzhen) Co.,Ltd. TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

Page 15 of 53



World St

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.





Report No.: WSCT-ANAB-R&E240700032A-LE

6.3. Conducted Output Power

For Question, Please Contact with WSCT www.wsct-cert.com

6.3.1. Test Specification

$\langle \rangle$	Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
CT 1	Test Method:	KDB558074 W5CT W5CT
	Limit:	30dBm
7	Test Setup:	Spectrum Analyzer
rr.	Test Mode:	Refer to item 4.1
CT°	Test Procedure:	 The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v04. 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.
$\langle \rangle$	Test Result:	PASS
	WSET	WISTT WISTT WISTT
	WISTET WIST	
	WSET	WISET WISET
	von & Tesu	T WSET WSET WSET
andardization		ilding A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china
andawizati	Certifications, Techno Group (Shenzhen) Co., Ltd.	Page 16 of 53 WSCT WSCT WSCT



15E

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

WSET





For Question, Please Contact with WSCT www.wsct-cert.com

WSF

Report No.: WSCT-ANAB-R&E240700032A-LE

6.3.2. Test Data

BLE 1M			
Test channel	Maximum conducted output power (dBm)	Limit (dBm)	Result
Lowest	-1.57	30.00	PASS
Middle	-0.27	30.00	PASS
Highest	-0.71	30.00	PASS

WSFT

	BLE 2M		
Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
Lowest	-1.43567	30.00	PASS 77
Middle	-0.3	30.00	PASS
Highest	-0.57	30.00	PASS

Test plots as follows:

V51

151

Contineation & Testing

WSCT

Zation

Group

75

75

VSE



155

75

Member of the WSCT INC.

15

WSE



zation

Test

PLIOM * P

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

WSLT





Report No.: WSCT-ANAB-R&E240700032A-LE



Page 18 of 53

TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com



WSC1

PLIOM * P

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

WSETN





Report No.: WSCT-ANAB-R&E240700032A-LE



(Shenz ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china 世标检测认证股份 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com Test

Page 19 of 53



WSLT





Report No.: WSCT-ANAB-R&E240700032A-LE

Test

PLIOM * P



 変 世标检测认证股份 ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

Page 20 of 53



World St

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.





For Question, Please Contact with WSCT www.wsct-cert.com

Report No.: WSCT-ANAB-R&E240700032A-LE

6.4. Emission Bandwidth

6.4.1. Test Specification	onser Awser	<u>4W5E7</u>
Test Requirement:	FCC Part15 C Section 15.247 (a)(2)	
Test Method:	KDB558074	
Limit:	>500kHz	\searrow
Test Setup:	Spectrum Analyzer EUT	wsci
Fest Mode:	Refer to item 4.1	
est Procedure:	 The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v04. 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	$\boldsymbol{\times}$
WSET	WSET WSET WSET	\mathbf{i}
WSET	WSET WSET WSET WSET WSET	
tion & Testing	WSET WSET	
tion & Testino Gotto SCTT	ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guan TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.v	
M * P		he WSCT INC.







Report No.: WSCT-ANAB-R&E240700032A-LE

	6.4.2. Test data	\vee \vee		Please Cor	Question, ntact with WSCT
	E 1M	\bigtriangleup \bigtriangleup		www.ws	sct-cert.com
		6dB Emission	n Bandwidth (kHz)		AWSET N
\mathbf{X}	Test channel	BT LE mode	Limit	Result	
WSET	Lowest	0.6777	>500k	WSET	
	Middle	0.6652	>500k	PASS	
	Highest	0.6622	>500k		\mathbf{X}
BL	.E 2M	WSCT WSCT	AWS.		WSET
\sim	Test channel		n Bandwidth (kHz)		
\wedge		BT LE mode	Limit	Result	
<i>AW5ET</i> °i	Lowest	1.133	>500k		
	Middle	1.145	>500k	PASS	\sim
l	Highest	1.148	>500k		
	Test plots as follows:	WSET	AWA9		AWSET
\times	X	X	\times		
WEIT	WSET	WSET	WSET	WSFT	
-~_					
	X	XX		$\langle \rangle$	X
	WSET	WSET WSET	ws	CT [®]	WSET
$\overline{}$					
\wedge					
AWSET"	WSET	WSET	WSET	WSET	
		\vee \vee			
		\bigtriangleup \bigtriangleup		\sum	\square
\checkmark	WSET A	WSET WSET	WS		AWSET N
\sim	\times	\times	\times		
wsm					
	WSET	WSET	WSET	WSET	
	X	XX	\rightarrow	$\langle \rangle$	X
	an & Teach	WSET WSET	ws	CT°	WSET
cottifica	no costino es				
T is		X	\mathbf{X}		
Zibre	VSCT	WSET	WSET	WSET	
World Standawizatio	tion & Testing Coup V5CT	ADD:Building A-B, Baoli'an industrial Park, No. 58 1 TEL: 86-755-26996192 226996053 Fax: 86-755-86			
	M * PI	Page 22 of 53	/	Member o	f the WSCT INC.



WSLT[®]



同识的

Report No.: WSCT-ANAB-R&E240700032A-LE



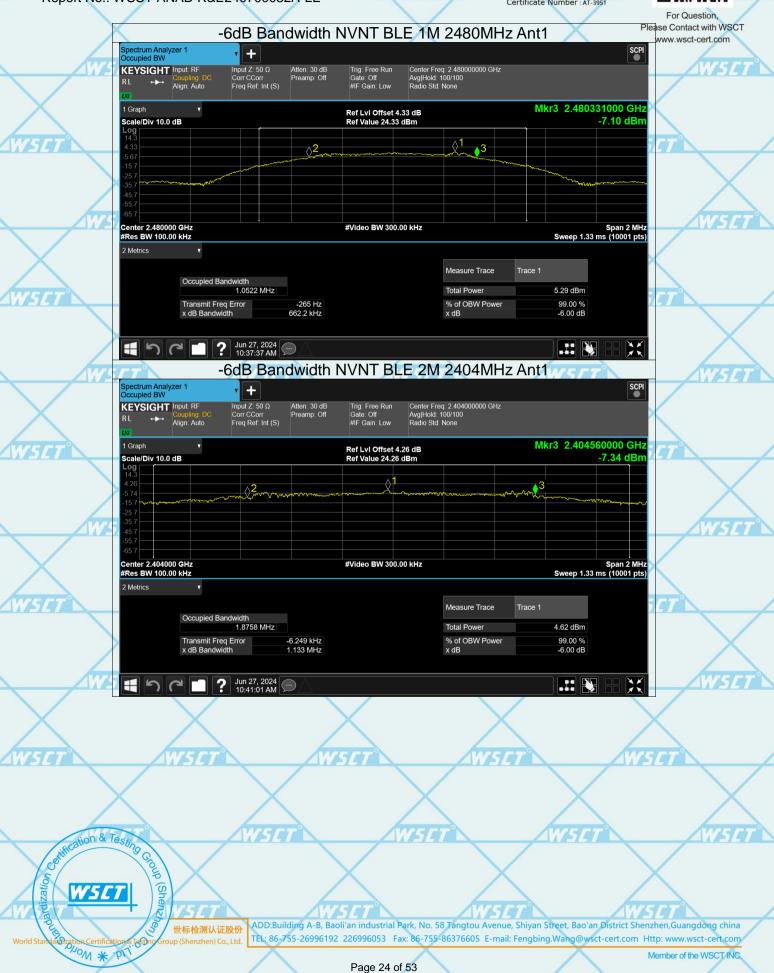


WSET





Report No.: WSCT-ANAB-R&E240700032A-LE





W5LT[®]





Report No.: WSCT-ANAB-R&E240700032A-LE









For Question

Please Contact with WSCT www.wsct-cert.com

Report No.: WSCT-ANAB-R&E240700032A-LE

6.5. Power Spectral Density

6.5.1. Test Specification

olorri rest opecification	TTT WEFT WEFT
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:	
Test Mode:	Spectrum Analyzer EUT Refer to item 4.1
Test Procedure:	 The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v04 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

6.5.2. Test Instruments 527

MOM * PT

	RF Test Room				
Equipment		Manufacturer	Model	Serial Number	Calibration Due
	Spectrum Analyzer	R&S	FSU	200054	Sep. 27, 2018
	RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 27, 2018
13	Antenna Connector	ТСТ	RFC-01	N/A	Sep. 27, 2018

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

世标检测认证股份 ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com



WSET





For Question. Please Contact with WSCT

W5E

Report No.: WSCT-ANAB-R&E240700032A-LE

6.5.3. Test data

			/		-cert com
Test shows al	Power Spectral D	ensity (dBm/3kH			
	Test channel	BLE 1M	Limit	Result	
	Lowest	-17.71	8 dBm/3kHz	X	
	Middle	-16.42	8 dBm/3kHz	PASS	
	Highest	-16.91	8 dBm/3kHz	/	
	X	XX			X

WSFT

	Test channel	Power Spectral Density (dBm/3kHz)			
1	Test channel	BLE 2M	Limit	Result	
	Lowest	-20.02	8 dBm/3kHz		
-	Middle	-18.89	8 dBm/3kHz	PASS	
	Highest	-19.20	8 dBm/3kHz		

Test plots as follows:

NSE

N5[

ification & Testino

WSCT

PHOM * PT

S

Zation

Group

75

VSE



75

VSE

W51

Page 27 of 53

Member of the WSCT INC.

15

WSE



incation & Testino

WSC1

OLION * PI

HOUP

Test

S

zation

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

WSLT





Report No.: WSCT-ANAB-R&E240700032A-LE



Group (Shenzhen) Co., Ltd.
 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

Page 28 of 53



ification & Testing

WSC1

OLIOM * PI

Cor

Zation

Group

Test

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

WSET





Report No.: WSCT-ANAB-R&E240700032A-LE



Page 29 of 53



ification & Testing

WSC1

PLIOM * P

Cor

Zation

Group

Test

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

WSETN





Report No.: WSCT-ANAB-R&E240700032A-LE





WSC1

MON * PI

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.





Report No.: WSCT-ANAB-R&E240700032A-LE

6.6. Conducted Band Edge and Spurious Emission Measurement Please Contact with WSCT

lease Contact with WSCT www.wsct-cert.com

6.6.1. Test Specification	nser wser
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 7
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). Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
Test Result:	PASS
ation & Testing Ge	VSET WSET

4 世际检测认证股份
ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china
Group (Shenzhen) Co., Ltd.
TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com



WSFT



∎Dis°

For Question

ÿ

Report No.: WSCT-ANAB-R&E240700032A-LE

Test Data

OLIOM * PI



世际检测认证股份 ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com



WSC1

OLIOM * PI

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

W5CT[®]





Report No.: WSCT-ANAB-R&E240700032A-LE



(Shenz ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china 世标检测认证股份 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com 6SD

Page 33 of 53



Zation

MOLLO * MOLLO

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

WSET





Report No.: WSCT-ANAB-R&E240700032A-LE



ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china 世标检测认证股份 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com 6SD

Page 34 of 53



fication & Testing

WSC1

OLIOM * PI

HOUP

e

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

W5LT[®]





Report No.: WSCT-ANAB-R&E240700032A-LE



(Shenz ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china 世标检测认证股份 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com 6SD

Page 35 of 53



世际检测认证股份 ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

OLIOM * PI



WSC1

PLIOM * P

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

WSET





Report No.: WSCT-ANAB-R&E240700032A-LE



(Shenz ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china 世标检测认证股份 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com Test

Page 37 of 53



e

WSC1

PLIOM * P

HOUP

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

W5CT[®]





Report No.: WSCT-ANAB-R&E240700032A-LE



(Shenz ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china 世标检测认证股份 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com Test

Page 38 of 53



fication & Testing

WSC1

OLIOM * PI

HOUP

e

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

W5CT[®]





Report No.: WSCT-ANAB-R&E240700032A-LE



(Shenz ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china 世标检测认证股份 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com Test

Page 39 of 53



e

WSC1

OLIOM * PI

HOUP

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

WSLT





Report No.: WSCT-ANAB-R&E240700032A-LE



(Shenz ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china 世标检测认证股份 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com Test

Page 40 of 53



e

WSC1

OLIOM * PI

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

W5CT[®]





Report No.: WSCT-ANAB-R&E240700032A-LE



(Shenz ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china 世标检测认证股份 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com Test





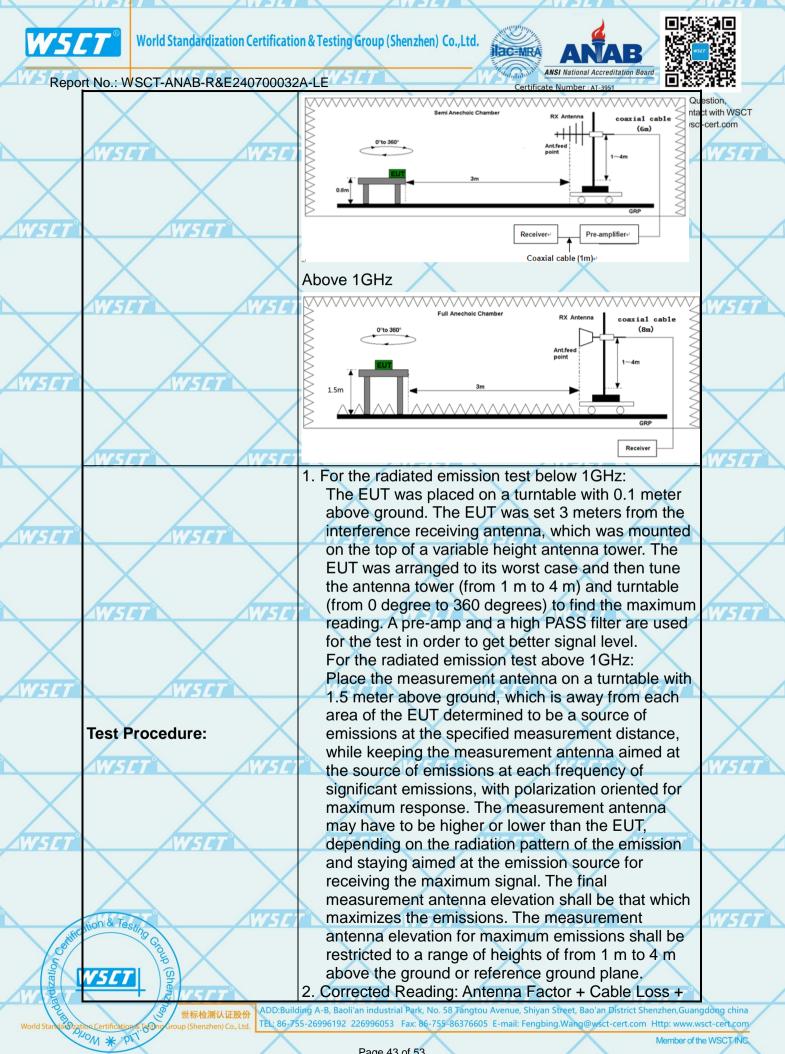


Report No.: WSCT-ANAB-R&E240700032A-LE

6.7. Radiated Spurious Emission Measurement

For Question, Please Contact with WSCT www.wsct-cert.com

	6.7.1. Test Specification		wscr			7		5 <i>C1</i>
	Test Requirement:	FCC Part15	C Sectior	n 15.209				
	Fest Method:	ANSI C63.10):2014	AVISION				
ZWSLI	Frequency Range:	9 kHz to 25 (GHz					
N	Measurement Distance:	3 m	X		X			Х
4	Antenna Polarization:	Horizontal &	Vertical		WS	7		5/7
0	Operation mode:	Refer to item	4.1				/	
WISET	WSET	Frequency 9kHz- 150kHz 150kHz-	Detector Quasi-pea Quasi-pea		VBW 1kHz 30kHz	Remai Quasi-peak Quasi-peak	Value	
F	Receiver Setup:	30MHz 30MHz-1GHz	Quasi-pea	k 100KHz	300KHz	Quasi-peak	Value	\checkmark
	WSET WSE	Above 1GHz	Peak	1MHz 1MHz	3MHz 10Hz	Peak Va	alue	ान
\mathbf{X}		Frequen	су	Field Stre (microvolts/	ength (meter)	Measuren Distance (m	nent	2/5/
WSET	WSET	0.009-0.4		2400/F(k 24000/F(300 30	TTA	
	\bigvee \bigvee	1.705-3 30-88		<u>30</u> 100		<u>30</u> 3		
	\land \land	88-216	3	150		3	/	\wedge
	imit: WSCT	216-96 Above 9		200 500	ATT	3	W	5 <i>C1</i>
WSET	WISET	Frequency Above 1GHz	Fie (micro	ld Strength ovolts/meter) 500	Measurer Distanc (meters 3	ce Dete s) Ave	ector	
	WSET WSE	For radiated	emission	<u>5000</u> s below 30	MHz		eak	X FI
		Di	stance = 3m			Computer	- / I	
WISET	Test setup:	EUT	•		Pre -	Amplifier	7	
			Turn table			Receiver		\wedge
Contificati	on & Testing Qing			nd Plane	L			<u>SL</u>
Sã -	OE O	30MHz to 10	SHz	-X			\mathbf{X}	
World Stantautos	SLT SLT	wsc7 ing A-B, Baoli'an industr 5-26996192 226996053				o'an District Shen		
world Standard 100	aCertification Teth Top Group (Shenzhen) Co., Ltd.	Page 4	X				Member of the WSC	



Page 43 of 53



WSET[°]





AWS Repo	rt No.: WSCT-ANAB-R&E240700032	A-LE
	\vee \vee	Read Level - Preamp Factor = Level For Question
	\mathbf{X} \mathbf{X}	3. For measurement below 1GHz, If the emission level were contact with WSCT
	hard hard	of the EUT measured by the peak detector is 3 dB
	AWSLI	lower than the applicable limit, the peak emission
\sim		level will be reported. Otherwise, the emission
\sim	\sim	measurement will be repeated using the quasi-peak
WERT	WEIT	detector and reported. 4. Use the following spectrum analyzer settings: 5.77
		(1) Span shall wide enough to fully capture the
		emission being measured;
		(2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW;
	WSET WSET	
		Sweep = auto; Detector function = peak; Trace = max hold;
X	X	(3) Set RBW = 1 MHz, VBW= 3MHz for f 1 GHz
		for peak measurement.
<u>AWSET</u> °	WSET	For average measurement: VBW = 10 Hz, when
	\sim	duty cycle is no less than 98 percent. VBW \geq 1/T,
	\land	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
	X	power control level for the tested mode of operation.
	Test mode:	Refer to section 4.1 for details
AWSET °	Test results: 527	PASS5CT W5CT W5CT

WSET

Note 1:	The symbol of "" in the	table which means not application.
---------	-------------------------	------------------------------------

NSET

Note 2: 5	For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average
\checkmark	and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the
\wedge	average limit, it is unnecessary to perform an average measurement.
/5/7/Note 3:	The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB
	lower than the limit line per 15.31(o) was not reported.
Note 4:	The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode

re ris worst.

ification & Testing

WSCT

and zation Certificant

S

ization

Group

.Test

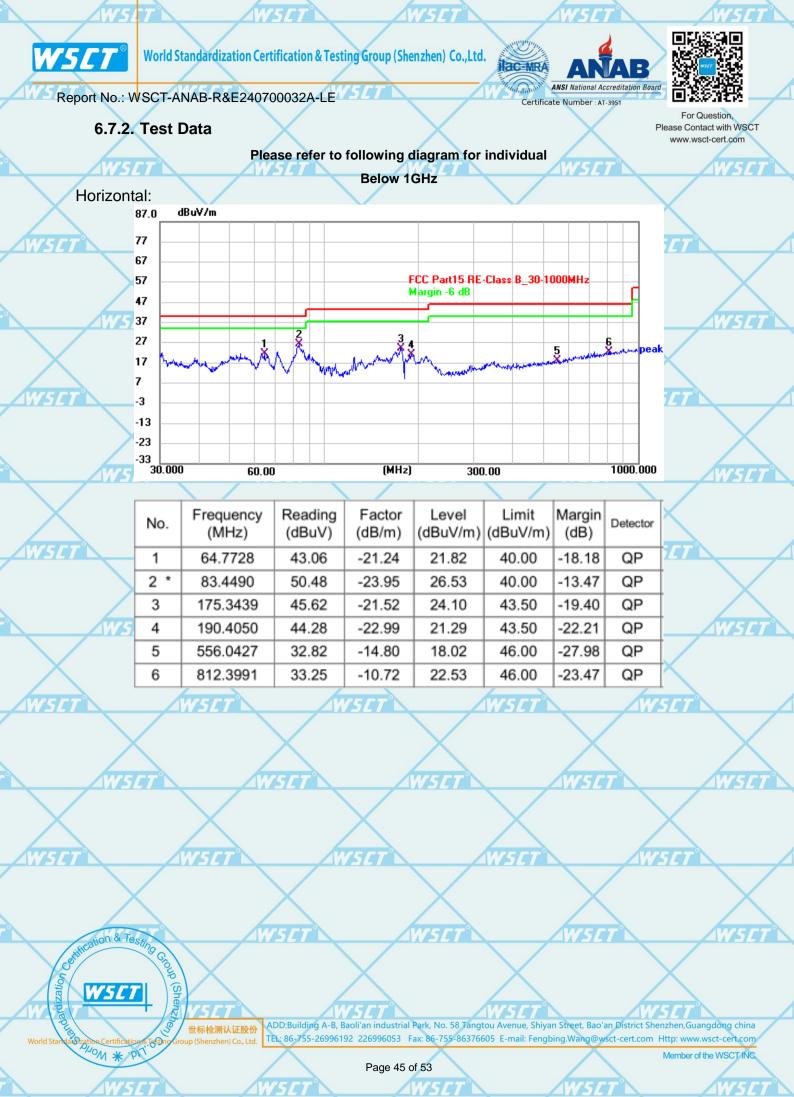
Group (Shenzhen) Co, Ltd.
 Tel: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing,Wang@wsct-cert.com Http: www.wsct-cert.com

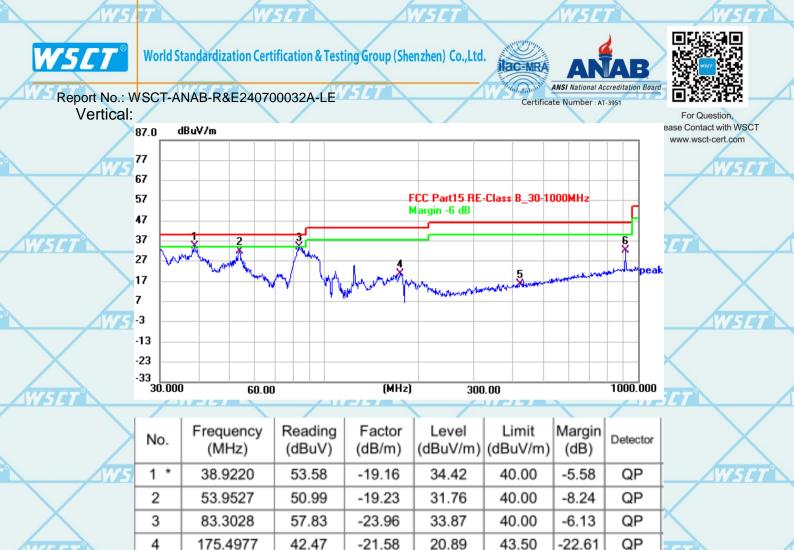
NSET

Member of the WSCT INC.

NSE

WSCI





Note1:

sication & Testin

WSC1

Mon * P

(She

Freq. = Emission frequency in MHz

5

6

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

421.6879

912.4620

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

32.84

42.08

-17.16

-9.84

15.68

32.24

46.00

46.00

-30.32

-13.76

QP

QP

Measurement (dB μ V) = Reading level (dB μ V) + Corr. Factor (dB)

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

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

② 世标检测认证股份 ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

Page 46 of 53

	_ <u>/</u> W		/	<u>WSET</u>	Δ	W5			<u>AWSE</u>			VSLIN
W	CT	World St	tandardization	Certification	& Testing Gro	oup (Shenzhe	n) Co.,Ltd.	ilac MR		AB		
Re	port No	b.: WSCT-A	NAB-R&E24	0700032A				Certif	icate Number : AT	ccreditation Board	■ \$\$y	霰
	Note 1	I: The mark	ed spikes n	ear 2400		ove 1GH		ored be	cause the	y are Fuñ	For Quest	
	/	signal.	ious above								www.wsct-ce	ert.com
	Note 3	BLE 1M a	nd 2M both						case scen	ario 1M:	-	VSLIN
\mathbf{X}	Low of Horizo	channel: 2	402MHz		$\sim \times$			X			$\langle \rangle$	
WSE		, incan	V Peak	AV	QP	рк — 1	Limit1 — Lir	mit2 —	Trace1 — T	race2		
WSLI	90 +	+ +						++-++			+ +	
	80 -											X
	60	-										VEFT
	Level[dB(uV)]				3				5			
X	evel [0		1		and and and and and a start		~ <u>~</u>			~~~~~		
WIST	20 -	والمجمع والمعال المراجع المراجع المراجع والمناطعة										
	10 <u>+</u> 0 <u>+</u>	-										
	-10 +			2	3G	4	6		10	12.75G	186	X
						Freq[GHz]						VSET
	Suspu	ted Data Lis	t									
		Error	Deading	Fastar	Lavel	Lingit	Manaia	Der				
\times	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict	
XVIII AVIII	NO.								Polarity Horizontal	Trace PK	Verdict Pass	/
× ×	NO. 1 2	[MHz]	[dB(uV)]	[dB]	[dB(uV)]	[dB]	[dB]	[°]				
XISI O	1	[MHz] 1540.0000	[dB(uV)]	[dB] -0.07	[dB(uV)] 23.78	[dB] 74	[dB] -50.29	[°] 2.5	Horizontal	РК	Pass	\checkmark
	1	[MHz] 1540.0000 2404.3750	[dB(uV)] 23.71 33.26	[dB] -0.07 7.58	[dB(uV)] 23.78 25.68	[dB] 74 74	[dB] -50.29 -40.74	[°] 2.5 248.4	Horizontal Horizontal Horizontal	РК РК	Pass Pass	TSET
	1 2 3	[MHz] 1540.0000 2404.3750 3182.5000	[dB(uV)] 23.71 33.26 36.62	[dB] -0.07 7.58 8.53	[dB(uV)] 23.78 25.68 28.09	[dB] 74 74 74 74	[dB] -50.29 -40.74 -37.38	[°] 2.5 248.4 0	Horizontal Horizontal Horizontal	PK PK PK	Pass Pass Pass	TSET
	1 2 3 4	[MH2] 1540.0000 2404.3750 3182.5000 7554.0000	[dB(uV)] 23.71 33.26 36.62 35.48	[dB] -0.07 7.58 8.53 36.33	[dB(uV)] 23.78 25.68 28.09 -0.85	[dB] 74 74 74 74 74	[dB] -50.29 -40.74 -37.38 -38.52	[°] 2.5 248.4 0 338.8	Horizontal Horizontal Horizontal Horizontal Horizontal	РК РК РК РК	Pass Pass Pass Pass Pass	VSET
	1 2 3 4 5 6	[MH2] 1540.0000 2404.3750 3182.5000 7554.0000 10410.0000	[dB(uV)] 23.71 33.26 36.62 35.48 43.15	[dB] -0.07 7.58 8.53 36.33 38.67	[dB(uV)] 23.78 25.68 28.09 -0.85 4.48 5.36	[dB] 74 74 74 74 74 74	[dB] -50.29 -40.74 -37.38 -38.52 -30.85	[°] 2.5 248.4 0 338.8 155.9	Horizontal Horizontal Horizontal Horizontal Horizontal	РК РК РК РК РК	Pass Pass Pass Pass Pass Pass	VSET
	1 2 3 4 5 6	[MH2] 1540.0000 2404.3750 3182.5000 7554.0000 10410.0000 13170.0000	[dB(uV)] 23.71 33.26 36.62 35.48 43.15	[dB] -0.07 7.58 8.53 36.33 38.67	[dB(uV)] 23.78 25.68 28.09 -0.85 4.48 5.36 5.36 Level [dB	[dB] 74 74 74 74 74 74	[dB] -50.29 -40.74 -37.38 -38.52 -30.85	[°] 2.5 248.4 0 338.8 155.9	Horizontal Horizontal Horizontal Horizontal Horizontal	РК РК РК РК РК	Pass Pass Pass Pass Pass Pass	VSET
	1 2 3 4 5 6 Final	[MH2] 1540.0000 2404.3750 3182.5000 7554.0000 10410.0000 13170.0000 Data List Freq.	[dB(uV)] 23.71 33.26 36.62 35.48 43.15 44.7 Reading	[dB] -0.07 7.58 8.53 36.33 38.67 39.34 59.34	[dB(uV)] 23.78 25.68 28.09 -0.85 4.48 5.36 Level	[dB] 74 74 74 74 74 74 74 74 74	[dB] -50.29 -40.74 -37.38 -37.38 -38.52 -30.85 -29.3	[°] 2.5 248.4 0 338.8 155.9 323.3 Deg	Horizontal Horizontal Horizontal Horizontal Horizontal Horizontal	РК РК РК РК РК	Pass Pass Pass Pass Pass Pass Pass Verdic	\mathbf{X}
	1 2 3 4 5 6 Final NO.	[MH2] 1540.0000 2404.3750 3182.5000 7554.0000 10410.0000 13170.0000 Data List Freq. [MH2]	[dB(uV)] 23.71 33.26 36.62 35.48 43.15 44.7 Reading [dB(uV)]	[dB] -0.07 7.58 8.53 36.33 38.67 39.34 Factor [dB]	[dB(uV)] 23.78 25.68 28.09 -0.85 4.48 5.36 5.36 Level [dB (uV)]	[dB] 74 74 74 74 74 74 74 24	[dB] -50.29 -40.74 -37.38 -37.38 -38.52 -30.85 -29.3 Hargin [dB]	[°] 2.5 248.4 0 338.8 155.9 323.3 Deg [°]	Horizontal Horizontal Horizontal Horizontal Horizontal Horizontal	РК РК РК РК РК Тrace	Pass Pass Pass Pass Pass Pass Verdic t	YSET YSET
	1 2 3 4 5 6 Final NO. 1	[MH2] 1540.0000 2404.3750 3182.5000 7554.0000 10410.0000 13170.0000 Data List Freq. [MH2] 1540.0000	[dB(uV)] 23.71 33.26 36.62 35.48 43.15 44.7 Reading [dB(uV)] 14.9	[dB] -0.07 7.58 8.53 36.33 38.67 39.34 Factor [dB] -0.07	[dB(uV)] 23.78 25.68 28.09 -0.85 4.48 5.36 U Level [dB (uV)] 14.97	[dB] 74 74 74 74 74 74 74 74 74 54	[dB] -50.29 -40.74 -37.38 -37.38 -38.52 -30.85 -29.3 -29.3 -30.85 -30	[°] 2.5 248.4 0 338.8 155.9 323.3 323.3 Deg [°] 2.5	Horizontal	РК РК РК РК РК Т тасе АV	Pass Pass Pass Pass Pass Pass Pass Pass	\mathbf{X}
	1 2 3 4 5 6 Final NO. 1 2	[MH2] 1540.0000 2404.3750 3182.5000 7554.0000 10410.0000 13170.0000 Data List Freq. [MH2] 1540.0000 2404.3750	[dB(uV)] 23.71 33.26 36.62 35.48 43.15 44.7 Reading [dB(uV)] 14.9 25.47	[dB] -0.07 7.58 8.53 36.33 38.67 39.34 Factor [dB] -0.07 7.58	[dB(uV)] 23.78 25.68 28.09 -0.85 4.48 5.36 U Level [dB (uV)] 14.97 17.89	[dB] 74 74 74 74 74 74 74 74 74 54	[dB] -50.29 -40.74 -37.38 -37.38 -38.52 -30.85 -29.3 -29.3 -30.85 -30.85 -30.85 -30.85 -30.85 -30.85 -30.85 -30.85 -30.85 -30.85 -30.85 -30.85 -30.85 -30.85 -30.85 -30.85 -28.53	[°] 2.5 248.4 0 338.8 155.9 323.3 323.3 Deg [°] 2.5 248.4	Horizontal	РК РК РК РК РК Т тасе АV АV	Pass Pass Pass Pass Pass Pass Pass Pass	\mathbf{X}
\searrow	1 2 3 4 5 6 Final NO. 1 2 3	[MH2] 1540.0000 2404.3750 3182.5000 7554.0000 10410.0000 13170.0000 Data List Freq. [MH2] 1540.0000 2404.3750 3182.5000	[dB(uV)] 23.71 33.26 36.62 35.48 43.15 44.7 Reading [dB(uV)] 14.9 25.47 27.25	[dB] -0.07 7.58 8.53 36.33 38.67 39.34 Factor [dB] -0.07 7.58 8.53	[dB(uV)] 23.78 25.68 28.09 -0.85 4.48 5.36 U Level [dB (uV)] 14.97 14.97 18.72	[dB] 74 74 74 74 74 74 74 74 74 74 54 54	[dB] -50.29 -40.74 -37.38 -33.52 -30.85 -29.3 -29.3 -30.85 -29.3 -29.3 -29.3 -29.3 -29.3 -29.3 -29.3 -29.3 -29.3 -29.3 -29.3	[°] 2.5 248.4 0 338.8 155.9 323.3 323.3 22.5 248.4 0	Horizontal	РК РК РК РК РК Тгасе АV АV	Pass Pass Pass Pass Pass Pass Pass Pass	\mathbf{X}
\searrow	1 2 3 4 5 6 Final NO. 1 2 3 4	[MH2] 1540.0000 2404.3750 3182.5000 7554.0000 10410.0000 13170.0000 Data List Freq. [MH2] 1540.0000 3182.5000 3182.5000 7554.0000	[dB(uV)] 23.71 33.26 36.62 35.48 43.15 44.7 Reading [dB(uV)] 14.9 25.47 27.25 29.14	[dB] -0.07 7.58 8.53 36.33 38.67 39.34 Factor [dB] -0.07 7.58 8.53 38.67 39.34 -0.07 7.58 8.53 36.33	[dB(uV)] 23.78 25.68 28.09 -0.85 4.48 5.36 U [dB] (uV)] 14.97 17.89 18.72 -7.19	[dB] 74 74 74 74 74 74 74 74 74 74 74 74 74	[dB] -50.29 -40.74 -37.38 -33.52 -30.85 -29.3 -29.3 -30.85 -29.3 -29.3 -29.3 -28.53 -26.75 -24.86	[°] 2.5 248.4 0 338.8 155.9 323.3 Deg [°] 2.5 248.4 0 338.8	Horizontal Horizontal Horizontal Horizontal Horizontal Horizontal Horizontal Horizontal Horizontal	РК РК РК РК РК Ттасе АV АV АV	Pass Pass Pass Pass Pass Pass Pass Pass	\mathbf{X}

Page 47 of 53

dization

World Sta

WSET

tail Pation Certification Term



WSCT[°]



Report No.: WSCT-ANAB-R&E240700032A-LE

For Question, Please Contact with WSCT





Freq[GHz]

<u>[]</u>	Suspu	ted Data Lis	st									
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict	
	1	1380.6250	22.7	-0.61	23.31	74	-51.3	-0.1	Vertical	PK	Pass	7
/	2	2240.6250	30.5	4.45	26.05	74	-43.5	100.1	Vertical	PK	Pass	
K	3	2891.2500	35.29	7.28	28.01	74	-38.71	213.6	Vertical	PK	Pass	
E	4	7161.0000	36.01	35.74	0.27	74	-37.99	69.8	Vertical	PK	Pass	
6	5	9744.0000	40.84	37.92	2.92	74	-33.16	0.5	Vertical	PK	Pass	1
	6	12199.5000	45.15	38.66	6.49	74	-28.85	84.2	Vertical	PK	Pass	

|--|

fication & Testino

W5[7

PLIOM * PT

e

zation

		Dutu List										17
/	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB (uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdic t	
H	1	1380.6250	13.76	-0.61	14.37	54	-40.24	-0.1	Vertical	AV	Pass	
2	2	2240.6250	21.51	4.45	17.06	54	-32.49	100.1	Vertical	AV	Pass	1
	3	2891.2500	24.73	7.28	17.45	54	-29.27	213.6	Vertical	AV	Pass	
	4	7161.0000	29.06	35.74	-6.68	54	-24.94	69.8	Vertical	AV	Pass	2
	5	9744.0000	33.63	37.92	-4.29	54	-20.37	0.5	Vertical	AV	Pass	
-	6	12199.5000	37.91	38.66	-0.75	54	-16.09	84.2	Vertical	AV	Pass	

<u>AW5</u>

E

751

W

Composition Concentration Concentrat

Page 48 of 53



世际检测认证股份 ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china Croup (Shenzhen) Co. Ltd. TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

Page 49 of 53

fication & Testin

V5C

MOLLO * MOLLO

(Sher

Cot



WSET[®]

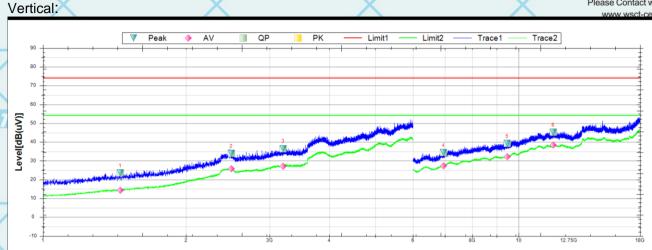
Report No.: WSCT-ANAB-R&E240700032A-LE

Certificate Number : AT-3951

For Question, Please Contact with WSCT www.wsct-cert.com

90

15



Freq[GHz]

	Suspu	ted Data Lis	st									
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict	
	1	1453.1250	23.55	-0.34	23.89	74	-50.45	322.5	Vertical	PK	Pass	
/	2	2489.3750	33.91	7.76	26.15	74	-40.09	-0.1	Vertical	PK	Pass	
X	3	3199.3750	36.51	8.71	27.8	74	-37.49	1.9	Vertical	PK	Pass	
7/7	4	6954.0000	34.33	35.38	-1.05	74	-39.67	134.3	Vertical	PK	Pass	
	5	9463.5000	39.25	37.72	1.53	74	-34.75	108.1	Vertical	PK	Pass	
	6	11824.5000	45.22	38.76	6.46	74	-28.78	41.1	Vertical	PK	Pass	
												۳/

	Final	Data List										N.
/	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB (uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdic t	
	1	1453.1250	14.42	-0.34	14.76	54	-39.58	322.5	Vertical	AV	Pass	
	2	2489.3750	25.74	7.76	17.98	54	-28.26	-0.1	Vertical	AV	Pass	
	3	3199.3750	27.14	8.71	18.43	54	-26.86	1.9	Vertical	AV	Pass	
	4	6954.0000	27.4	35.38	-7.98	54	-26.6	134.3	Vertical	AV	Pass	V
/	5	9463.5000	32.11	37.72	-5.61	54	-21.89	108.1	Vertical	AV	Pass	
	6	11824.5000	38.32	38.76	-0.44	54	-15.68	41.1	Vertical	AV	Pass	



Group .

fication & Testino

W5[7

PLIOM * PI

e

zation

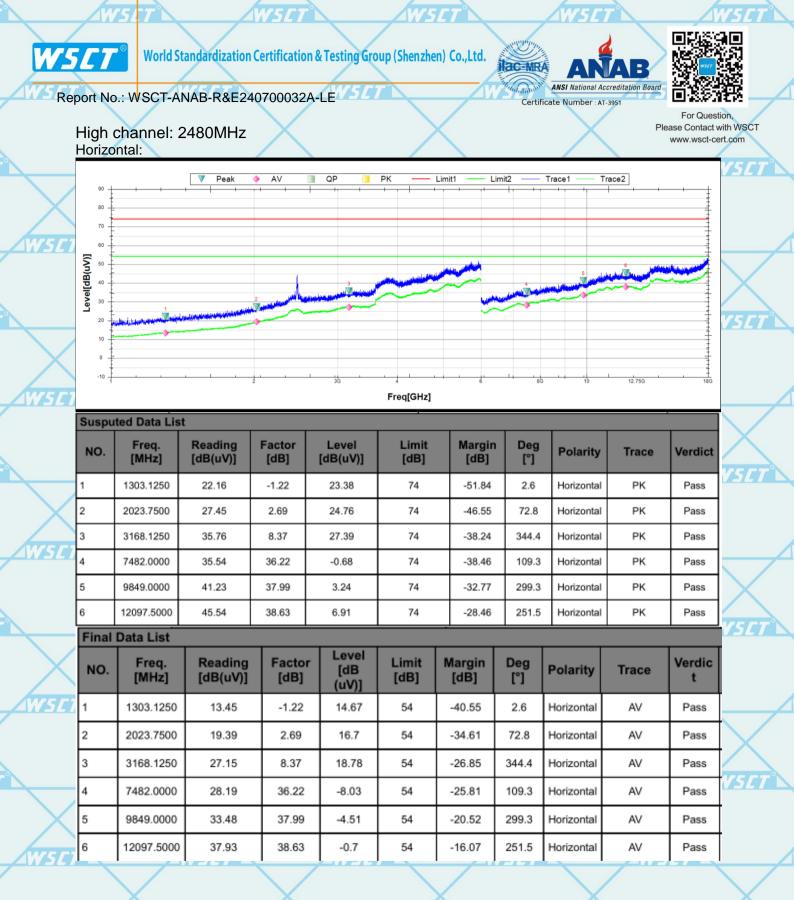
7

_____V

151

Composed Section Conversion Conversi

Page 50 of 53



ADD:Building A-B, Baoli'an industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District Shenzhen, Guangdong china TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

Page 51 of 53

fication & Testin

VSC1

MOM * PT

(Sher

e



Report No.: WSCT-ANAB-R&E240700032A-LE

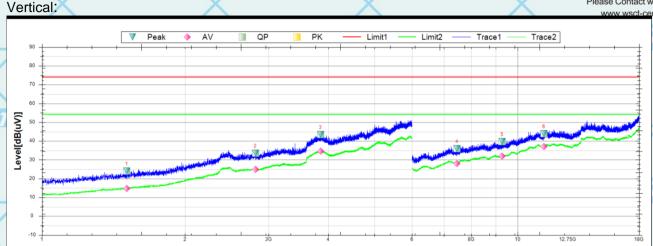
World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

Certificate Number: AT-3951

For Question

Π

Please Contact with WSCT



Freq[GHz]

	Suspu	ted Data Lis	st									
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict	
	1	1507.5000	24.04	-0.26	24.3	74	-49.96	94.9	Vertical	PK	Pass	v
/	2	2811.2500	33.5	7.25	26.25	74	-40.5	360	Vertical	PK	Pass	
X	3	3852.5000	43.43	11.34	32.09	74	-30.57	3.1	Vertical	PK	Pass	
14	4	7461.0000	35.98	36.19	-0.21	74	-38.02	247.2	Vertical	PK	Pass	
	5	9280.5000	39.77	37.6	2.17	74	-34.23	78.6	Vertical	PK	Pass	
	6	11361.0000	43.85	39.18	4.67	74	-30.15	208.9	Vertical	PK	Pass	/
	Final	Data List										6

	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB (uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdic t
7	1	1507.5000	14.78	-0.26	15.04	54	-39.22	94.9	Vertical	AV	Pass
-	2	2811.2500	24.95	7.25	17.7	54	-29.05	360	Vertical	AV	Pass
	3	3852.5000	34.63	11.34	23.29	54	-19.37	3.1	Vertical	AV	Pass
	4	7461.0000	28.02	36.19	-8.17	54	-25.98	247.2	Vertical	AV	Pass
/	5	9280.5000	31.88	37.6	-5.72	54	-22.12	78.6	Vertical	AV	Pass
	6	11361.0000	37.17	39.18	-2.01	54	-16.83	208.9	Vertical	AV	Pass

Note:

WSC1

MOH * PT

1. All emissions not reported were more than 20dB below the specified limit or in the noise floor.

2. Emission Level= Reading Level + Probe Factor +Cable Loss.

(Sher

 Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
 EUT has been tested in unfolded states, and the report only reflects data in the unfolded state (worst-case scenario)

世标检测认证股份 iroup (Shenzhen) Co., Ltd. TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

41/5/77

Page 52 of 53



151

sication & Testino

W5[7

MOHO * PI

e

zation

World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

WSET





For Question, Please Contact with WSCT

www.wsct-cert.com

Report No.: WSCT-ANAB-R&E240700032A-LE

7. Test Setup Photographs

Please refer to Annex "Set Up Photos-15C" for test setup photos

*****END OF REPORT*****

Page 53 of 53