



WSCT

TEST REPORT

FCC ID: 2ADYY-BD04

Product: TWS Earphone

Model No.:BD04 **Trade Mark: TECNO**

Report No.: WSCT-ANAB-R&E240800041A-15B

Issued Date: 05 September 2024

Issued for:

TECNO MOBILE 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 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen, Guangdong, China

TEL: +86-755-26996192

FAX: +86-755-86376605

WSET

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.

WSET

W5C1 orld Standardization Certification& Testing Group(Shenzhen) Co.,Ltd

Page 1 of 23



Report No.: WSCT-ANAB-R&E240800041A-15B



TABLE OF CONTENTS

	_/	WSET WSET WSET WSET	\
	1.	Test Certification 3	
	2.	GENERAL DESCRIPTION OF EUT4	
W5 C	3.	Test Result Summary	_
	4.	TEST METHODOLOGY 6	
		4.1. CONFIGURATION OF SYSTEM UNDER TEST7	
	/	4.2. DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)	<u> </u>
\times	5.	MEASUREMENT INSTRUMENTS9	
	6.	Facilities and Accreditations 10	
_W5E		6.1. FACILITIES	_
		6.2. ACCREDITATIONS10	
		6.3. MEASUREMENT UNCERTAINTY	
	7.	EMC EMISSION TEST. W5 CT W5 CT 12 5 CT	
\times		7.1. CONDUCTED EMISSION MEASUREMENT12	
AWER		7.2. TEST RESULTS	,
ZVF19		7.3. RADIATED EMISSION MEASUREMENT W5 [7] 16	
	8.	Test Setup Photographs23	
		WSET WSET WSET WSET	
	/		
X		\times \times \times \times	
W5 Ci		WSET WSET WSET WSET	/
		WSET WSET WSET WSET	\
W5 C	7	WSET WSET WSET WSET	/
	/	WSCT WSCT WSCT WSCT	-

TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605





WSCI

Report No.: WSCT-ANAB-R&E240800041A-15B

Test Certification

Product: TWS Earphone

Model No.: **BD04**

Additional **TECNO**

Model:

Applicant: **TECNO MOBILE LIMITED**

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN

WSCT

MEI STREET FOTAN NT HONGKONG

Manufacturer: TECNO MOBILE LIMITED

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN

WSET

MEI STREET FOTAN NT HONGKONG

Date of receipt: 15 August 2024

Date of Test: 16 August 2024 ~ 04 September 2024

Applicable FCC CFR Title 47 Part 15 Subpart B Standards:

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.

WSET WSCT

iang Guan liang

(Jiang Guanliang)

Checked By:

WSCT

(Qin Shuiquan)

Approved By:

Tested By:

(Li Huaibi)

Date:

WSET

W5[]

WSET

WSET

WSET

Page 3 of 23

深圳世标检测认证股份有限公司 World Standardization Certification& Testing Group(Shenzhen) Co.,Ltd

W5C

W5 L

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

WS ET



Report No.: WSCT-ANAB-R&E240800041A-15B

2. GENERAL DESCRIPTION OF EUT

W5CT°

	Product Name:	TWS Earphone W5.77	7
/	Model:	BD04	
\	Trade Mark:	TECNO	
Ž	Software version:	1.0.0 WSET WSET WSET	_/
	Hardware version:	V1	
	Operating Voltage:	Li-ion Polymer Battery: 451012 Voltage: 3.7V Rated Capacity: 37mAh/0.1369Wh Charging Box: 851448 Input: 5V1A output: 5.0V0.12A Capacity:500mAh/3.7V/1.85Wh	
	Remark:	N/A.	
	Note: 1. N/A stands for	no applicable.	1

W5 CT

W5CT

Note: 1. N/A stands for no applicable.

WSET WSET WSET WSET

WSCT WSCT WSCT WSCT WSCT

WSCT WSCT WSCT WSCT

WSCT WSCT WSCT WSCT WSCT

WSET WSET WSET WSET

WSET WSET WSET

WSCT WSCT WSCT

ADD: Building A-B, Baolian Industrial Park, No. 58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guanggong Province, China TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 E-mail: fengbing.wang@wsct-cert.com Http://www.wsct-cert.com

深圳世标检测认证股份有限公司 World Standard Zation Certification & Testing Group (Shenzhen) Co...Ltr

WSET°

ation& Testi

W5 C1

Page 4 of 23







W5 C

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

Report No.: WSCT-ANAB-R&E240800041A-15B

Test Result Summary 3.

Result
PASS
PASS PASS

W5 C

1. PASS: Test item meets the requirement.

W5 CI

- 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.

	W5CT°	W5 ET°	W5 ET	W5 CT°	W5 ET
7					

WSCT WSCT WSCT WSCT WSCT

W5LT"	W5 CT°	W5 ET	W5CT°	WSCT"
-------	--------	-------	-------	-------

WS ET	15CT°	W5 CT	W5 ET	<i>NSET</i> °1	١
		3 A AC // 77 A			

W5 CT	W5 CT°	W5 CT°	W5CT"	WS CT°

FAX: 0086-755-86376605 TEL: 0086-755-26996192 26996053 26996144

深圳世标检测认证股份有限公司

W5 CI





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

Report No.: WSCT-ANAB-R&E240800041A-15B

TEST METHODOLOGY

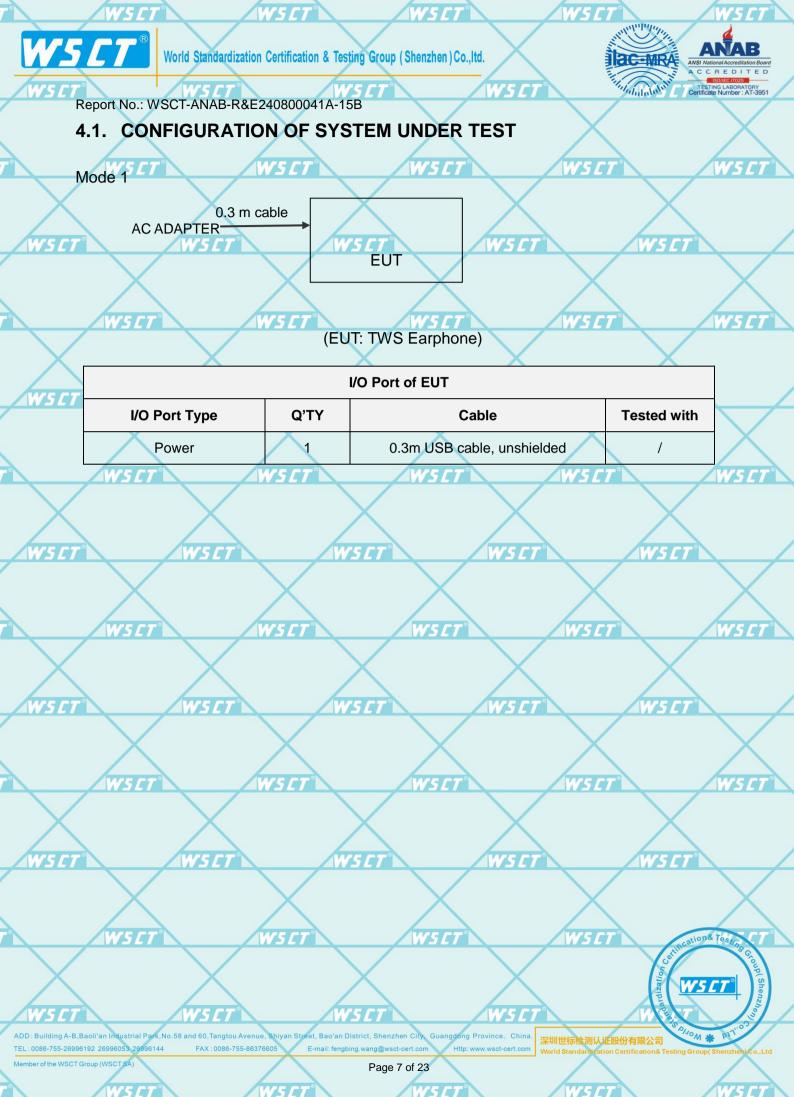
To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was

	d respectively.	de(s) of test configu	uration mode(s) mentioned above	ve was
evaluated	a respectively.				
	Pretest Mode		Description		
WS	Mode 1	SET	Charging	WSET	WSET
WSCT	W5 ET	WSET	WSE	W.5	ET°
WS	CT W	\times	5.7	WS ET"	WSET
WSET	W5 ET	WSET	WSCI		
WS		\times	/SET	WSCT	W5 ET
WSCT	WSET	WSET	WSCI		
WS		\times	SET	WSCT	WSET
WSCT	WSET	WSET	WSCI		
W5		\times	YSET .		\times
WSCT	WSET	WSET	WSCI	A Cardization C	WS LT
ADD: Building A-B, Baoli'an Industria	al Park, No.58 and 60, Tangtou Avenue, S	hiyan Street, Bao'an District, Shenzhen City,	Guangdong Province, China.	空圳世纪绘测江 连股份有限公司	SON # PITOS

Page 6 of 23

FAX: 0086-755-86376605

TEL: 0086-755-26996192 26996053 26996144



W5 CI



W5CT®

W5E

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

Report No.: WSCT-ANAB-R&E240800041A-15B

4.2. DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

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.

Ź	Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note	
	1	Adapter	X/	U180IED	X	/	

Note: 5 CT W5 CT W5 CT

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) For multiple adapters, the report only displays the adapter with the worst data.

WSCT	W5ET"	W5 ET	WSET	W5 CT°
WS	ET WS	CT WS	$\langle \hspace{0.1cm} \rangle$	CT WS CT
W5 ET	WSET	WSET	WSET	W5ET °
W5		CT WS	$\langle \hspace{0.1cm} \rangle$	
WSET	WSET	WSET	WSCT	WSET
WS	$\langle \hspace{0.1cm} \rangle$	ET WS	$\langle \hspace{0.1cm} \rangle$	$\langle \times $
WSET	W5 CT	WSET	WSET	W5 ET
WS		ET WS		
WSET	WSET	WSET	WSET	WSCT WSCT WSCT ON COLOND (Shenzhold)

We ex

FAX: 0086-755-86376605

TEL: 0086-755-26996192 26996053 26996144

Page 8 of 23

WSCT



W5 CT



Report No.: WSCT-ANAB-R&E240800041A-15B

5. MEASUREMENT INSTRUMENTS

	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibrated	Calibrated until	5 <i>CT</i> °
\rangle	Test software	-	EZ-EMC	CON-03A	-	X -	
	ESCI Test Receiver	R&S	ESCI	100005	11/05/2023	11/04/2024	
75 [LISN W5 L	AFJ	5 E T LS16	16010222119	11/05/2023	11/04/2024	
	LISN(EUT)	Mestec	AN3016	04/10040	11/05/2023	11/04/2024	\times
	pre-amplifier	CDSI	PAP-1G18-38	-	11/05/2023	11/04/2024	
	System Controller	WCT	SC1005 [7]		11/05/2023	11/04/2024	5 <i>CT</i> °l
	Bi-log Antenna	Chase	CBL6111C	2576	11/05/2023	11/04/2024	
	Spectrum analyzer	R&S	FSU26	200409	11/05/2023	11/04/2024	
'5 L	Horn Antenna W5 L	SCHWARZBECK	<i>5 L T</i> 9120D	V1141 7°	11/05/2023	11/04/2024	
	Bi-log Antenna	SCHWARZBECK	VULB9168	01488	7/29/2024	7/28/2025	\checkmark
	Pre Amplifier	H.P.	HP8447E	2945A02715	11/05/2023	11/04/2024	\land
	9*6*6 Anechoic	W5LT°	W5C1		11/05/2023	11/04/2024	5 <i>[T</i>]

WSET	W5 ET	WSET	WSET	WSET	
W5 L			X	WSET	WSET
WSET	WSET	WSET	WSCT	WSCT	
W5 I	W5	ET W		WSET	WSET
WSCT	WSET	WSET	WSET	WSCT	
WSI				\times	X
				Section Sectio	one Testino Gioupia

153 26996144 FAX : 0086-755-86376605 E-mail: fengbing

TEL: 0086-755-26996192 26996053 26996144

age 9 01 25

深圳世标检测认证股份有限公司 *** P\ World Standard (zation Certification & Testing Group(Shenzhen) Co





Report No.: WSCT-ANAB-R&E240800041A-15B

6. Facilities and Accreditations

6.1. Facilities

All measurement facilities used to collect the measurement data are located at World Standardization Certification & Testing Group (Shenzhen) Co., Ltd. Building A-B, Baoli'an Industrial Park, No. 58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen, Guangdong, China.

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."

6.2. 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

FAX: 0086-755-86376605

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

WS	CT N	SET°	W5 ET	W5 ET	WSET
WSET	WSET	WSCT	WSCI	W5E	7
	TT W	SET	WSET	WSCT	WSET
WSET	WSET	WSET	WSC	$\langle \hspace{0.1cm} \rangle$	
		VS ET	WSET	X	cations Testing (7°
				still	o Gi

Page 10 of 23

86-755-26996192 26996053 26996144

W5C1

ac-MRA



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

Report No.: WSCT-ANAB-R&E240800041A-15B

6.3. 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 %.

	No.	Item	MU
W5CT°	1	Conducted Emission Test W5 CT	±3.2dB 5 5 7
	2	RF power, conducted	±0.16dB
	3 W 5 C	Spurious emissions, conducted	±0.21dB
$ egthinspace{-1mm} olimits = -1mm or -1mm or$	4	All emissions, radiated(<1GHz)	±4.7dB
	5	All emissions, radiated(>1GHz)	±4.7dB
W5CT°	6	Temperature WSCT	±0.5°C
	7	Humidity	±2.0%

W5 CT°	6	Temperature	WSET	WSET	±0.5°CV5 [1]	
	7	Humidity	X	X	±2.0%	$\exists \times$
	WSE	T° W	ET	VS CT	W5 CT°	WSET
WSET		WSET	WSET	WSET	WSCI	
	W5 E			VS ET	WSET	WSCT
WSET		WSET	WSET	W5ET	WSCI	
	WSE			WS ET	WSET	WSET
WSET		WSET	WSET	WSET	WSCI	
	W5 C			VS ET	\times	X
X		X	X	X	dization C	VSCT*

WSET WSET WSET

ADD: Building A-B,Baoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, Chi
TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 E-mail: fengbing.wang@wsct-cert.com Http://www.wsct-cert.co

深圳世标检测认证股份有限公司
World Standardization Certification& Testing Group(Shenzhen) Co...

W5 C

W5CT°

Iac-MRA

Malalalala

ANAB



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

Report No.: WSCT-ANAB-R&E240800041A-15B

7. EMC EMISSION TEST

WELT

WSCT

7.1. CONDUCTED EMISSION MEASUREMENT

7.1.1. POWER LINE CONDUCTED EMISSION LIMITS

WSCT WEET

FREQUENCY (MHz)		Class A	(dBuV)	Class B	Standard	
		Quasi-peak	Average	Quasi-peak	Average	Stariuaru
	0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
	0.50 -5.0	73.00	60.00	56.00	46.00	FCC
	5.0 -30.0	73.00	60.00	60.00	50.00	FCC

Note:

W5 CI

WSCI

WSE

W5CT

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

	The state of the s
Receiver Parameters	Setting
Attenuation	WS C10 dB WS C7
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

WSCT WSCT WSCT WSCT

WSCT WSCT WSCT WSCT WSCT

WSET WSET WSET WSET

WSCT WSCT WSCT WSCT WSCT

WSET WSET WSET

WSET WSET WSET

DD: Building A-B,Baoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, Chin (L: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 E-mail: fengbing.wang@wsct-cert.com Http://www.wsct-cert.com

深圳世标检测认证股份有限公司
World Standard and Certification & Testing Group (Shenzhen) Co. Ltd

tion& Tes

WSCT

WSE

Page 12 of 23

NS ET

World Standardization Certification & Testing Group (Shenzhen) Co...ltd.

lac-MRA

WSCI



Report No.: WSCT-ANAB-R&E240800041A-15B

TEST PROCEDURE

a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

WSCI

- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.

e. For the actual test configuration, please refer to the related Item -EUT Test Photos. TEST SETUP Shielding room V GRP 40cm 80cm coaxial cable (80cm) 80cm Power Cable Receive 90cm LISN **HGRP**

WSCT

FAX: 0086-755-86376605

TEL: 0086-755-26996192 26996053 26996144

WSE

Page 13 of 23

WSET WSET

深圳世标检测认证股份有限公司





W5C

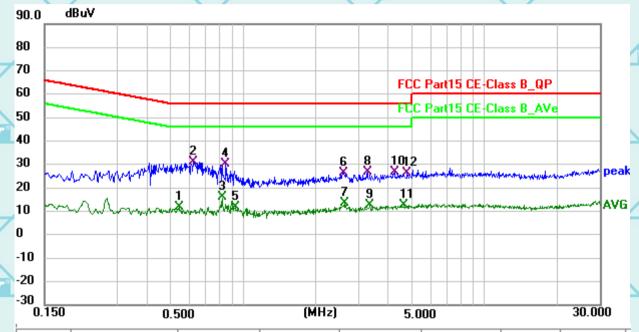
Report No.: WSCT-ANAB-R&E240800041A-15B

7.2.Test Results

Relative Humidity Temperature 20 °C 48%

Pressure 1010 hPa Test Mode Mode 1

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



	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	
	1	0.5415	-8.62	20.52	11.90	46.00	-34.10	AVG	
_	2 *	0.6225	10.46	20.53	30.99	56.00	-25.01	QP	
1	3	0.8205	-4.73	20.59	15.86	46.00	-30.14	AVG	
	4	0.8475	9.50	20.60	30.10	56.00	-25.90	QP	
	5	0.9240	-8.84	20.64	11.80	46.00	-34.20	AVG	
1	6	2.6115	5.91	20.60	26.51	56.00	-29.49	QP	
	7	2.6385	-7.23	20.60	13.37	46.00	-32.63	AVG	
	8	3.2910	6.37	20.59	26.96	56.00	-29.04	QP	
	9	3.3495	-8.13	20.59	12.46	46.00	-33.54	AVG	
	10	4.2450	6.07	20.58	26.65	56.00	-29.35	QP	
	11	4.6635	-7.92	20.57	12.65	46.00	-33.35	AVG	&
	12	4.7805	5.67	20.57	26.24	56.00	-29.76	QP	

W5 C

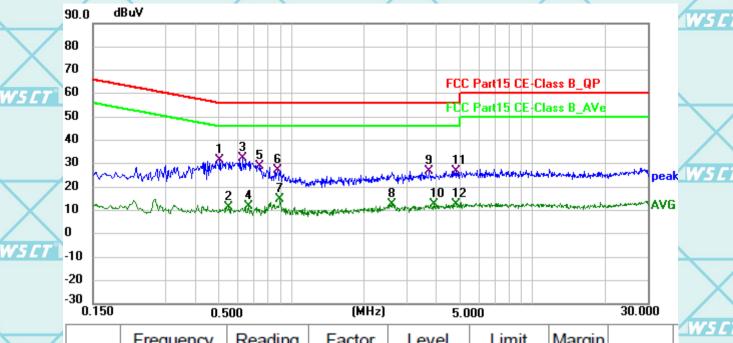
W5CT"



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

Report No.: WSCT-ANAB-R&E240800041A-15B

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



	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	
	1	0.5055	10.83	20.51	31.34	56.00	-24.66	QP	
L	2	0.5505	-9.15	20.52	11.37	46.00	-34.63	AVG	
	3 *	0.6270	11.69	20.53	32.22	56.00	-23.78	QP	
	4	0.6630	-8.92	20.53	11.61	46.00	-34.39	AVG	/
	5	0.7395	8.29	20.56	28.85	56.00	-27.15	QP	
	6	0.8790	6.65	20.62	27.27	56.00	-28.73	QP	
	7	0.8970	-5.86	20.63	14.77	46.00	-31.23	AVG	
	8	2.5980	-7.89	20.60	12.71	46.00	-33.29	AVG	
	9	3.7140	6.20	20.59	26.79	56.00	-29.21	QP	
	10	3.9030	-7.77	20.58	12.81	46.00	-33.19	AVG	1
	11	4.8165	6.27	20.57	26.84	56.00	-29.16	QP	
	12	4.8345	-8.02	20.57	12.55	46.00	-33.45	AVG	

Note1:

Freq. = Emission frequency in MHz

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

Corr. Factor (dB) = LISN Factor + Cable loss

Measurement (dB μ V) = Reading level (dB μ 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 50k

深圳世标检测认证股份有限公司
World Standardization Certification& Testing Group(Shenzhen) Co..Lt

D: Building A-B,Baoli'an Industrial Park,No.58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City Guangdong Province, Chir L: 0086-755-26996192 26998053 26996144 FAX: 0086-755-86376605 E-mail: fengbing.wang@wsct-cert.com Http://www.wsct-cert.co

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





Report No.: WSCT-ANAB-R&E240800041A-15B

7.3. RADIATED EMISSION MEASUREMENT

WSET

W5CT

7.3.1. Radiated Emission Limits

The field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

	Frequencies	Field Strength	Measurement Distance
	(MHz)	(micorvolts/meter)	(meters)
7	75 CT 0.009~0.490 W5 C	2400/F(KHz)	300
	0.490~1.705	24000/F(KHz)	30
	1.705~30.0	30	30
	30~88	100	3
	88~216	150	3 V.C.
7	216~960	200	3
	Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Limit (dBu\	//m) (at 3M)
FREQUENCT (MITZ)	PEAK	AVERAGE
Above 1000	W5C74	W5 [T" 54 W5 [

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15B.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

_				
	7	-	_	
	- 486			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	400	- 10		/ /

Spectrum Parameter	Setting				
Attenuation	Auto				
Start Frequency	5 CT W 51000 MHz W 5 CT				
Stop Frequency	10th carrier harmonic				
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 1Hz for Average				

	WAS TO SERVICE TO SERV	
A	Receiver Parameter	Setting
	Attenuation	Auto
	Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
	Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
	Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

AWS CT

WSIT

WSIT

4W5 ET



WSET

AWS CT

4WSET

AWSET

DD: Building A-B,Baoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, Chir EL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 E-mail: fengbing.wang@wsct-cert.com Http://www.wsct-cert.co

深圳世标检测认证股份有限公司
World Standard Zation Certification & Testing Group! Shenzhell Co. Ltd.

lac-MR



Report No.: WSCT-ANAB-R&E240800041A-15B

TEST PROCEDURE

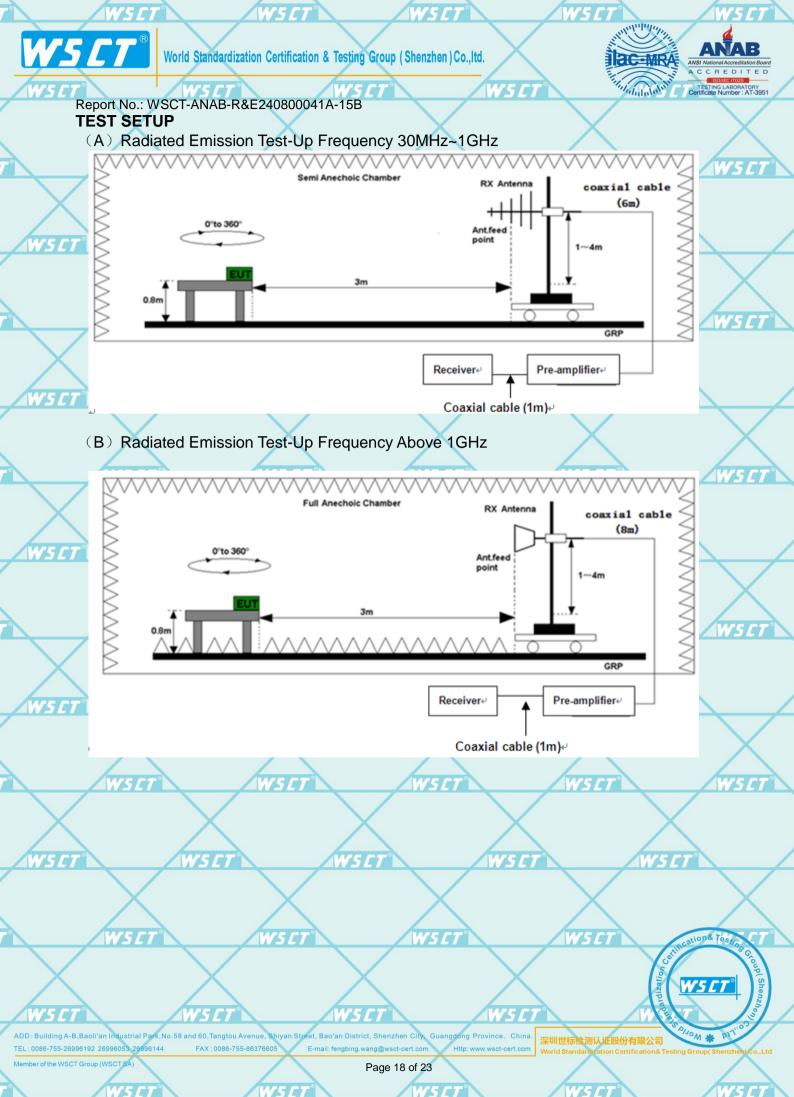
a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.

b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.

- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item -EUT Test Photos.

1. 1 01 11	ie actual test configuratio	in, piease relei to the rel	ated item -LOT lest Filo	105.	
W5 CT	WS ET"	W5 LT	W5 CT°	W5 CT°	
7 WS			$\langle \hspace{0.1cm} \rangle$		S C T
WSET	W5ET	WSET	WSET	W5 CT°	
WS	ET WS	$\langle \hspace{0.1cm} \rangle$	$\langle \hspace{0.1cm} \rangle$	CT W.	SET°
WSET	W5 ET	WSET	W5ET°	W5 CT	,
W5	$\langle \hspace{0.1cm} \rangle$	$\langle \hspace{0.1cm} \rangle$	$\langle \hspace{0.1cm} \rangle$		5C7°
WSCT	WSET	WSET	WSET	W5 CT	
ws		$\langle \hspace{0.1cm} \rangle$		cation® Test	V7°
WSCT	WSET	WSET	WSET	W5CT	Group (Shenzhen)
	al Park,No.58 and 60,Tangtou Avenue, Shiya		angdong Province, China. 深圳世标检测	人	en) CoLtd

Page 17 of 23









Report No.: WSCT-ANAB-R&E240800041A-15B

7.3.2. Test Results

W5 CT

WSCT"

W5 CI

WSET

W5 CT

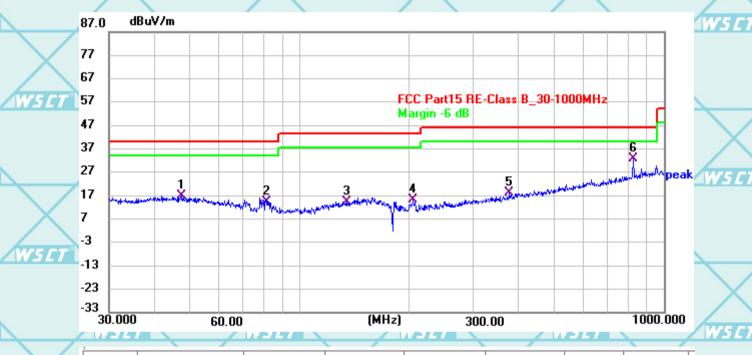
Temperature	20 ℃	1,	Relative	e Humidity	48%		/
Pressure	1010	hPa	Test Mo	ode	Mode	e 1	/

W5 [7] Please refer to following diagram for individual

W5 CT

Below 1GHz

Horizontal:



W5 ET

_	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	
Ì	1	47.3463	35.89	-19.08	16.81	40.00	-23.19	QP	
	2	81.2473	38.48	-24.07	14.41	40.00	-25.59	QP	
	3	135.0911	34.86	-20.32	14.54	43.50	-28.96	QP	
	4	205.0450	39.24	-24.00	15.24	43.50	-28.26	QP	
	5	377.7555	36.44	-18.33	18.11	46.00	-27.89	QP	
	6 *	827.1308	43.42	-10.62	32.80	46.00	-13.20	QP	

WSIT

WELT

WSIT

WSIT

WSCT Short of the state of the

WSIT

WSCT

AWDLI

AWS ET

ADD: Building A-B,Baoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, Chin TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 E-mail: fengbing.wang@wsct-cert.com Http://www.wsct-cert.com

深圳世标检测认证股份有限公司 * PT

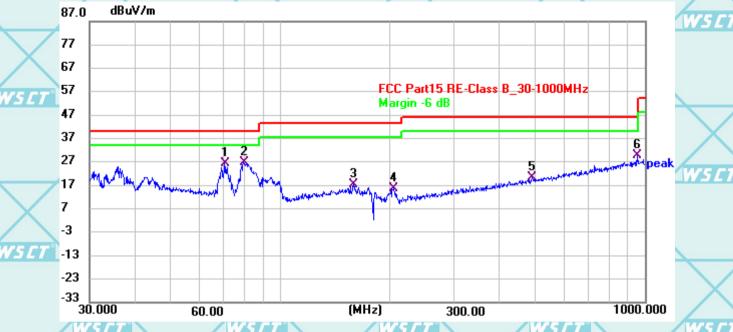




WSCI

Report No.: WSCT-ANAB-R&E240800041A-15B

Vertical:



	1								
X	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	
<i>W5 </i>	1	70.4599	48.76	-22.36	26.40	40.00	-13.60	QP	
	2 *	79.5209	50.50	-23.91	26.59	40.00	-13.41	QP	
	3	159.2251	37.02	-19.65	17.37	43.50	-26.13	QP	
	4	204.9551	39.63	-24.00	15.63	43.50	-27.87	QP	
X	5	491.1751	36.10	-15.68	20.42	46.00	-25.58	QP	
	6	956.6953	39.13	-9.27	29.86	46.00	-16.14	QP	

Note1:

Freq. = Emission frequency in MHz

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

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

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

Limit (dBµV) = Limit stated in standard

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

WSE

W5E

深圳世标检测认证股份有限公司

TEL: 0086-755-26996192 26996053 26996144

FAX: 0086-755-86376605

tion& Tes





W5E1

WSCI



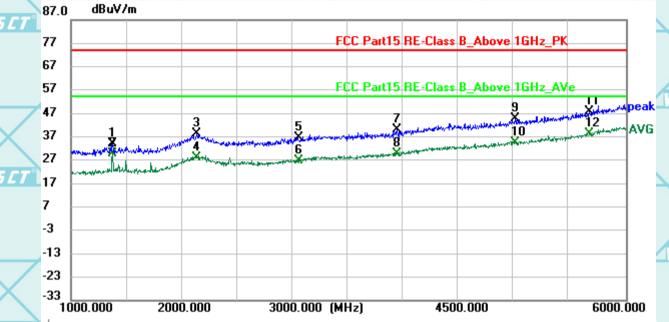
Report No.: WSCT-ANAB-R&E240800041A-15B

TEST RESULTS

Above 1GHz(1~6GHz): (Mode 1)

Note: The spurious above 6G is noise only, do not show on the report.

Horizontal:



3.75	-								_
Ĺ	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	1
	1	1375.000	41.49	-7.54	33.95	74.00	-40.05	peak	1
	2	1375.000	37.35	-7.54	29.81	54.00	-24.19	AVG	
	3	2134.375	39.77	-1.44	38.33	74.00	-35.67	peak	
	4	2134.375	29.36	-1.44	27.92	54.00	-26.08	AVG	
١	5	3046.875	38.79	-2.16	36.63	74.00	-37.37	peak	
	6	3046.875	29.07	-2.16	26.91	54.00	-27.09	AVG	
	7	3938.750	39.18	0.72	39.90	74.00	-34.10	peak	1
	8	3938.750	28.99	0.72	29.71	54.00	-24.29	AVG	
	9	5010.000	39.44	5.28	44.72	74.00	-29.28	peak	
	10	5010.000	29.22	5.28	34.50	54.00	-19.50	AVG	
	11	5678.750	40.03	7.65	47.68	74.00	-26.32	peak	
	12 *	5678.750	30.51	7.65	38.16	54.00	-15.84	AVG	

NS CI

W5CT"

ation& Test

TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605

深圳世标检测认证股份有限公司



1000.000

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



6000.000

W5 CI

2000.000

Report No.: WSCT-ANAB-R&E240800041A-15B

Vertical: dBuV/m 87.0 FCC Part15 RE-Class B Above 1GHz PK 67 FCC Part15 RE-Class B_Above 1GHz_AVe 57 11 X. 12 X. 47 AVG 10 37 27 17 7 -3 -13 -23 -33

3000.000 (MHz)

4500.000

	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	
	1	1375.000	41.13	-7.54	33.59	74.00	-40.41	peak	
	2	1375.000	37.09	-7.54	29.55	54.00	-24.45	AVG	1
	3	2190.625	32.41	-1.63	30.78	74.00	-43.22	peak	
	4	2190.625	30.39	-1.63	28.76	54.00	-25.24	AVG	1
4	5	3556.250	39.03	-0.89	38.14	74.00	-35.86	peak	
	6	3556.250	29.22	-0.89	28.33	54.00	-25.67	AVG	
	7	4539.375	38.87	3.19	42.06	74.00	-31.94	peak	
	8	4539.375	28.92	3.19	32.11	54.00	-21.89	AVG	
	9	5251.875	39.91	6.07	45.98	74.00	-28.02	peak	
	10	5251.875	29.30	6.07	35.37	54.00	-18.63	AVG	1
	11	5887.500	40.01	9.06	49.07	74.00	-24.93	peak	
	12 *	5887.500	30.53	9.06	39.59	54.00	-14.41	AVG	

Remark:

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

WS CT

Freq. = Emission frequency in MHz

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

FAX: 0086-755-86376605

Over= Emission Level - Limit.

All the x/y/z orientation has been investigated, and only worst case is presented in this report,

深圳世标检测认证股份有限公司

TEL: 0086-755-26996192 26996053 26996144

Page 22 of 23

