



Certificate Number 5768.01

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TEST REPORT

FCC ID: 2ADYY-WP02 **Product: Smart Watch** Model No.: WP02 **Trade Mark: TECNO** Report No.: WSCT-A2LA-R&E231200023A-15B Issued Date: 12 December 2023

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, Baoshi Science & Technology Park, Baoshi Road, Bao'an District, Shenzhen, Guangdong, China TEL: +86-755-26996192

FAX: +86-755-86376605

Note: The results contained in this report pertain only to the tested sample. This report shall not be reproduced, except in full, without written approval of World Standardization Certification & Testing Group(Shenzhen) Co., Ltd. This report must not be used by the client to claim product certification, approval, or any agency of the U.S. Government.

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1. Test Certification

I. Test Cer	www.wsct-cert.com
Product:	Smart Watch WSGT WSGT WSGT
Model No.:	WP02
Additional Model:	TECNO
Applicant:	TECNO MOBILE LIMITED FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Manufacturer:	TECNO MOBILE LIMITED WSC FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Date of Test:	01 December 2023 ~ 10 December 2023
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart B

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.

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Approved By:	Fuxin)	Date: <u>2</u>	mber 2017	M * m
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世际检测认证股份	ADD:Building A-B Baoshi Science & T TEL:86-755-26996192 26992306 FAX	echnology Park, Baoshi Road, 86-755-86376605 E-mail: Fengb	Bao'an District, Shenzhen, G ing.Wang@wsct-cert.com Http://	uangdong, China www.wscl-cert.com
Annow Certification is Sundaroup (Snehzhen) Co., Etc.	Page 3 of 21	X		per of the WSCT INC.





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2. GENE	RAL DESCRIPTION OF EUT	For Question, Please Contact with WSCT www.wsct-cert.com
Product Name:	Smart Watch	्रमान
Model :	WP02	X
Trade Mark:	TECNO	
Operating Voltage	Li-ion Battery :552123 Voltage: 3.8V Rated Capacity: 300mAh Limited Charge Voltage: 4.35V MAGNETIC CHARGER FOR WATCH PRO:INPUT:5V	NET T
Remark:	N/A.	\checkmark

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3. Test Result Summary

	AULTER AULT	TTA ATTACK	AULSMAN /	WIST OF
7	Requirement	CFR 47 Section	Result	
	CONDUCTED EMISSION	§15.107	PASS	
3	RADIATED EMISSION	WSCT §15.109 WSCT	PASS	- /

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1. PASS: Test item meets the requirement.

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- 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.



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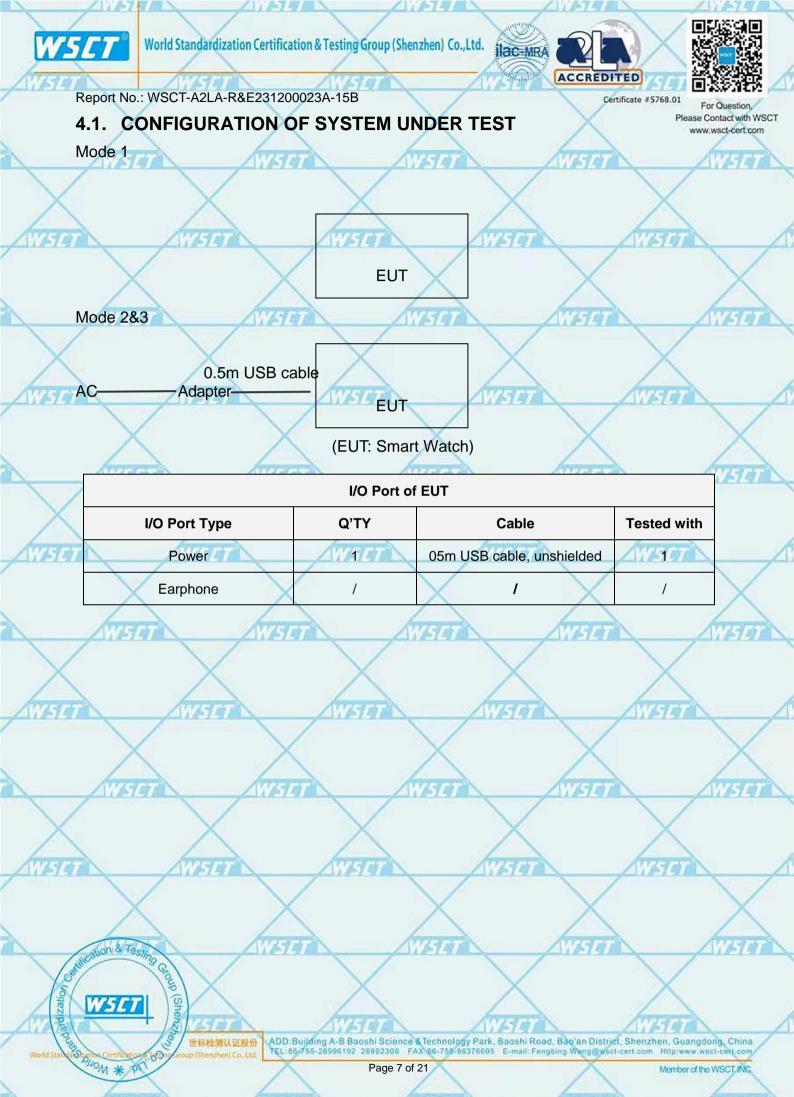
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4. TEST METHODOLOGY

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 evaluated respectively.

oralidator	respectively.		
/	Pretest Mode	Description	
AV-	Mode 1	Charge	WISTOT
	Mode 2	Bluetooth	
X	Mode 3	Charge + Bluetooth	X
WISTER	WISTER	WISTER WISTER AV	EET /
X		X X X	X
AVE T		सन रामन रामन	(TITE)
			- Chiefen
X	X	XX	X
WEIT	WEIT	WITTER WITTER	FIEL
TIPIGI			
\times		X X X	X
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AWS		WSET WSET	WSTOT
\sim	\sim		\checkmark
\wedge	\wedge		\frown
WEIT	ANSTAT	WISTER WISTER	76767
		\checkmark \checkmark \checkmark	\sim
		$\wedge \wedge \wedge$	\wedge
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Continu	Gene		\checkmark
The WSE			\land
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World Star Van Ports Certification	子 世际检测认证数份 (Song Group (Shenzhen) Co. Ltd.	ADD:Building A-B Baoshi Science & Technology Park, Baoshi Road, Bao an District, Shen TEL:86-755-26996192 26992306 FAX 66-755-86376605 E-mail: Fengbing Wang@wsci-cert.co	zhen, Guangdong, China m Http://www.wsci-cori.com
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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.

					1947	and the second second	
14	ltem	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note	5
	1	Adapter		U450IEB	\mathbf{X}	/	
	2	Keyboard				/	2
_	3	Mouse			ATAI	1/	Ľ

Note: (1)

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The support equipment was authorized by Declaration of Confirmation. For detachable type I/O cable should be specified the length in cm in ^rLength_a column.





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5. MEASUREMENT INSTRUMENTS

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibrated	Calibrated until	ET
Test software		EZ-EMC	CON-03A		×	
ESCI Test Receiver	R&S	ESCI	100005	11/05/2023	11/04/2024	
LISN AVISI	AFJ M	567 LS16	16010222119	11/05/2023	11/04/2024	
LISN(EUT)	Mestec	AN3016	04/10040	11/05/2023	11/04/2024	/
pre-amplifier	CDSI	PAP-1G18-38	-	11/05/2023	11/04/2024	1
System Controller	WCT7	SC100	- /	11/05/2023	11/04/2024	ET.
Bi-log Antenna	Chase	CBL6111C	2576	11/05/2023	11/04/2024	
Spectrum analyzer	R&S	FSU26	200409	11/05/2023	11/04/2024	
Horn Antenna	SCHWARZBECK	9120D	1141	11/05/2023	11/04/2024	
Bi-log Antenna	SCHWARZBECK	VULB9168	01488	7/29/2023	7/28/2024	1
Pre Amplifier	H.R.	HP8447E	2945A02715	11/05/2023	11/04/2024	X
9*6*6 Anechoic	ATTE	Ansa	<u> </u>	11/05/2023	11/04/2024	7.01
	Test software ESCI Test Receiver LISN LISN(EUT) pre-amplifier System Controller Bi-log Antenna Spectrum analyzer Horn Antenna Bi-log Antenna Pre Amplifier	Test softwareESCI Test ReceiverR&SLISNAFJLISN(EUT)Mestecpre-amplifierCDSISystem ControllerCTBi-log AntennaChaseSpectrum analyzerR&SHorn AntennaSCHWARZBECKBi-log AntennaSCHWARZBECKPre AmplifierH.P.	Test softwareEZ-EMCESCI Test ReceiverR&SESCILISNAFJLS16LISN(EUT)MestecAN3016pre-amplifierCDSIPAP-1G18-38System ControllerCTSC100Bi-log AntennaChaseCBL6111CSpectrum analyzerR&SFSU26Horn AntennaSCHWARZBECK9120DBi-log AntennaSCHWARZBECKVULB9168Pre AmplifierH.P.HP8447E	Test softwareEZ-EMCCON-03AESCI Test ReceiverR&SESCI100005LISNAFJLS1616010222119LISN(EUT)MestecAN301604/10040pre-amplifierCDSIPAP-1G18-38System ControllerCTSC100-Bi-log AntennaChaseCBL6111C2576Spectrum analyzerR&SFSU26200409Horn AntennaSCHWARZBECK9120D1141Bi-log AntennaSCHWARZBECKVULB916801488Pre AmplifierH.P.HP8447E2945A02715	Kind of EquipmentManufacturerType No.Serial No.CalibratedTest softwareEZ-EMCCON-03AESCI Test ReceiverR&SESCI10000511/05/2023LISNAFJLS161601022211911/05/2023LISN(EUT)MestecAN301604/1004011/05/2023pre-amplifierCDSIPAP-1G18-3811/05/2023System ControllerCTSC100-11/05/2023Bi-log AntennaChaseCBL6111C257611/05/2023Spectrum analyzerR&SFSU2620040911/05/2023Bi-log AntennaSCHWARZBECK9120D114111/05/2023Bi-log AntennaSCHWARZBECKVULB9168014887/29/2023Pre AmplifierH.P.HP8447E2945A0271511/05/2023	Kind of Equipment Manufacturer Type No. Serial No. Calibrated until Test software EZ-EMC CON-03A ESCI Test Receiver R&S ESCI 100005 11/05/2023 11/04/2024 LISN AFJ LS16 16010222119 11/05/2023 11/04/2024 LISN(EUT) Mestec AN3016 04/10040 11/05/2023 11/04/2024 pre-amplifier CDSI PAP-1G18-38 11/05/2023 11/04/2024 System Controller CT SC100 - 11/05/2023 11/04/2024 Bi-log Antenna Chase CBL6111C 2576 11/05/2023 11/04/2024 Horn Antenna SCHWARZBECK 9120D 1141 11/05/2023 11/04/2024 Bi-log Antenna SCHWARZBECK VULB9168 01488 7/29/2023 7/28/2024 Bi-log Antenna SCHWARZBECK VULB9168 01488 7/29/2023 1/04/2024

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6. Facilities and Accreditations

6.1.Facilities

All measurement facilities used to collect the measurement data are located at Building A-B, Baoshi Science & Technology Park, Baoshi Road, 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."

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.

A2LA - Certificate Number: 5768.01

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The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA).Certification Number: 5768.01



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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 %.

	oonnao			
	No.	Item	MU	
7	1	Conducted Emission Test	±3.2dB	_
	2	RF power, conducted	±0.16dB	>
	3	Spurious emissions, conducted	±0.21dB	4
7	4	All emissions, radiated(<1GHz)	±4.7dB	1.00
	5	All emissions, radiated(>1GHz)	±4.7dB	
7	6	Temperature ////////////////////////////////////	±0.5°C	_
	7	Humidity	±2.0%	
	' X	Turniarty	12.078	





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7. EMC EMISSION TEST

7.1. CONDUCTED EMISSION MEASUREMENT

7.1.1. POWER LINE CONDUCTED EMISSION LIMITS

					A I I A will safe with a
FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard
	Quasi-peak	Average	Quasi-peak	Average	Stanuaru
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

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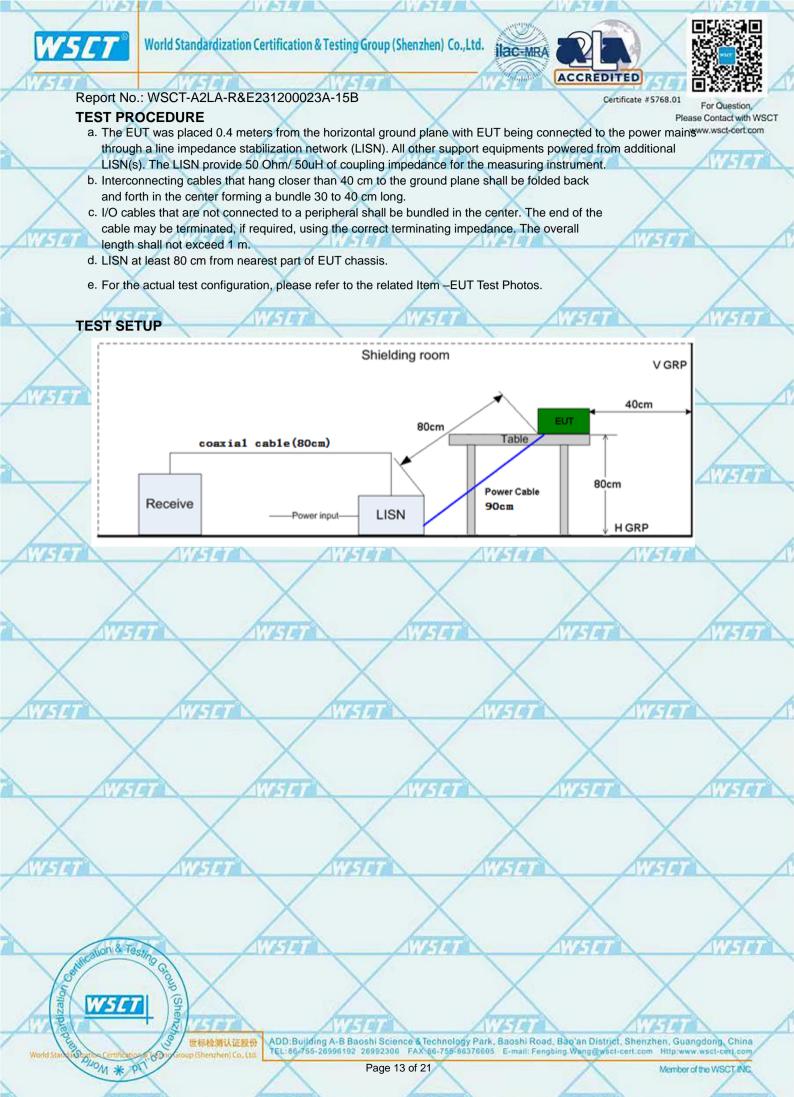
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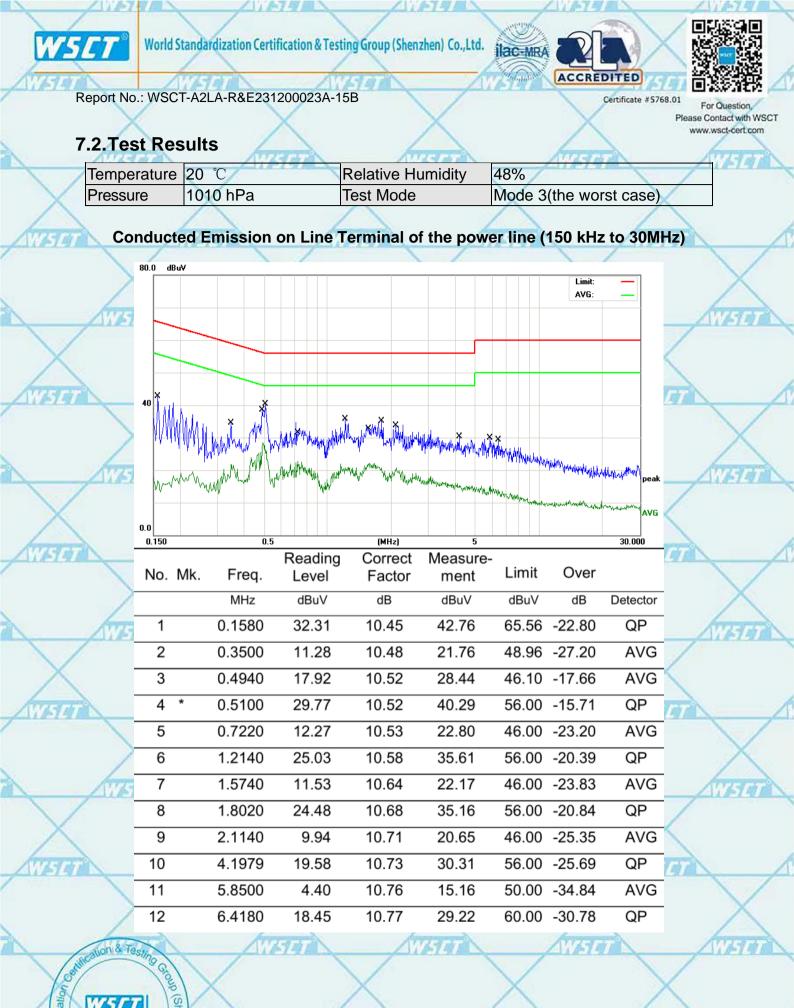
- (1) The tighter limit applies at the band edges.
 - (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following	table is the	setting of	the receiver
The following		sound of	

K	Receiver Parameters	Setting	
	Attenuation	10 dB	
10	Start Frequency	0.15 MHz	
	Stop Frequency	30 MHz	1
	IF Bandwidth	9 kHz	X
			/



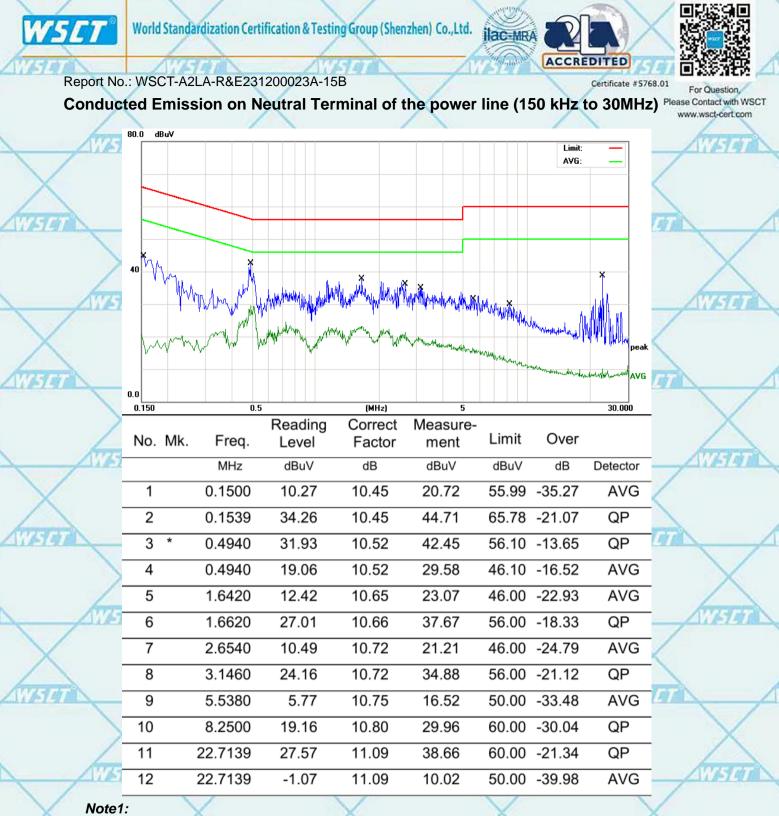




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Freq. = Emission frequency in MHz

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

S

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

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7.3. RADIATED EMISSION MEASUREMENT

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)
0.009~0.490	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
216~960	200	3
Above 960	500	3
and the second s	All and a second s	attended and a second of a

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)				
	PEAK	AVERAGE			
Above 1000	74	54			

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(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).

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1 MHz / 1 MHz for Peak, 1 MHz / 1Hz for Average			

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			









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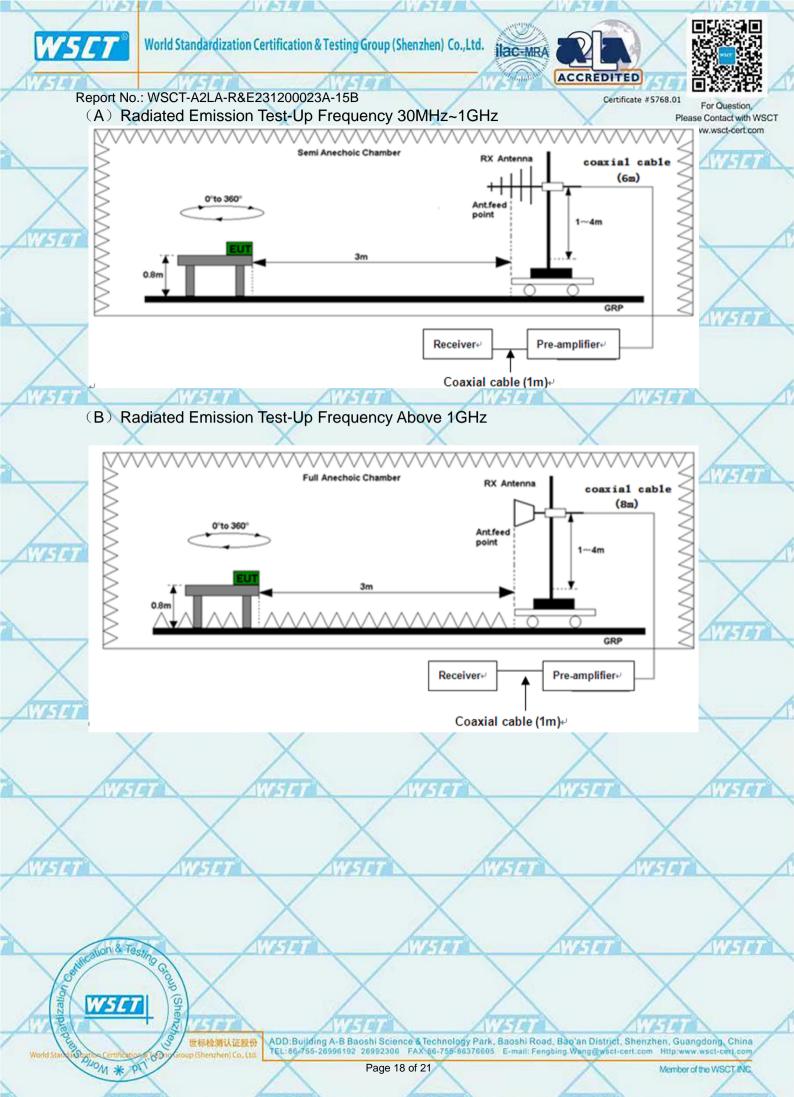
TEST PROCEDURE

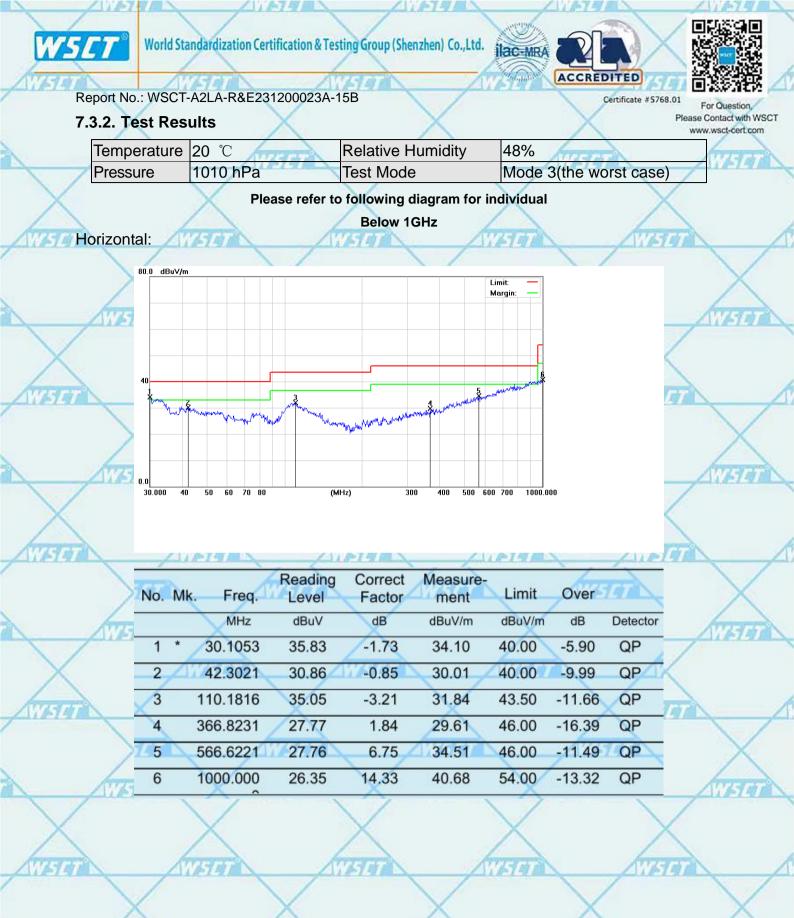
- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 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.



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YES .	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	m	
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	1
	1	*	30.0000	35.43	-1.73	33.70	40.00	-6.30	QP	5
_	2	1	40.9881	31.89	-0.61	31.28	40.00	-8.72	QP	C
/	3		118.6013	32.03	-2.25	29.78	43.50	-13.72	QP	
/	4		155.9100	27.50	0.20	27.70	43.50	-15.80	QP	
W 5	5	Q.	545.1825	27.25	6.09	33.34	46.00	-12.66	QP	
	6		1000.000	25.70	14.33	40.03	54.00	-13.97	QP	1

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Freq. = Emission frequency in MHz Reading level $(dB\mu V)$ = Receiver reading

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

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TEST RESULTS

Above 1GHz(1~26GHz) :(Mode 2-worst case)

	Freq.	Ant.	Emission		Limit 🔨		Over(dB)		
	(MHz)	Pol.	Level(dBuV)	3m(dBuV/m)		S 3	hard	
1	\wedge	H/V	PK	AV	PK	AV	PK	AV	
	1773.78	V	58.79	40.69	74	54	-15.21	-13.31	1
	2651.51	V	58.30	39.33	74	54	-15.70	-14.67	\wedge
	1733.53	Н	58.71	39.86	74	54	-15.29	-14.14	172
	2668.88	H /	58.29	39.29	74	54	-15.71	-14.71	FI

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All emissions not reported were more than 20dB below the specified limit or in the noise floor. Freq. = Emission frequency in MHz

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

Over= Emission Level - Limit.

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

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

