



W5C7

TEST REPORT

WSCT

WSET

FCC ID: 2AIZN-X6857

Product: Mobile Phone

Model No.: X6857 WSCT

Trade Mark: Infinix

Report No.: WSCT-ANAB-R&E250100002A-15B

Issued Date: 14 February 2025

W5C1

Issued for:

INFINIX MOBILITY LIMITED

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

Issued By:

W5C

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 City, Guangdong Province, China

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apply to the tested sample.

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Page 1 of 23

W5C1

Report No.: WSCT-ANAB-R&E250100002A-15B



TABLE OF CONTENTS

	IABLE OF CONTENTS
	WSCT WSCT WSCT WSCT
\/\frac{1}{1}	Test Certification 3
2.	GENERAL DESCRIPTION OF EUT4
W5 [13.	Test Result Summary
4.	TEST METHODOLOGY 6
	4.1. CONFIGURATION OF SYSTEM UNDER TEST7
	4.2. DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)
5.	MEASUREMENT INSTRUMENTS9
W5.CT	Facilities and Accreditations 10
ZWZLI	6.1. FACILITIES WSET WSET 10
	6.2. ACCREDITATIONS
7/	EMC EMISSION TEST W5 CT 125 CT
	7.1. CONDUCTED EMISSION MEASUREMENT
	7.1. CONDUCTED EMISSION MEASUREMENT
WSET	7.3. RADIATED EMISSION MEASUREMENT
8.	Test Setup Photographs23
	WSET WSET WSET WSET
\times	\times
August 1	
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	WS CT
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Page 2 of 23

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Report No.: WSCT-ANAB-R&E250100002A-15B

Test Certification

Product: Mobile Phone

Model No.: X6857

Additional Infinix Model:

INFINIX MOBILITY LIMITED Applicant:

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

MEI STREET FOTAN NT HONGKONG

INFINIX MOBILITY LIMITED **Manufacturer:**

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

MEI STREET FOTAN NT HONGKONG

Date of Test: 10 December 2024 to 13 February 2025

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, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:

(Jiang Guanliang)

Checked By:

(Qin Shuiquan)

WSCT

Approved By:

(Li Huaibi)

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Page 3 of 23





Report No.: WSCT-ANAB-R&E250100002A-15B

2. GENERAL DESCRIPTION OF EUT

Product Name:	Mobile Phone	V5 CT
Model:	X6857	
Trade Mark:	Infinix	
Operating Voltage:	Adapter: U450XSB Input: 100-240V~50/60Hz 1.8A Output: 5.0V3.0A 15W or 5.0-10.0V4.5A or 11.0V4.1A 45.0W MAX Rechargeable Li-ion Polymer Battery Model: BL-54BX Rated Voltage: 3.91V Rated Capacity: 5100mAh Nominal Energy: 19.95Wh Typical Capacity: 5200mAh Limited Charge Voltage: 4.50V	/SET
Remark:	N/A.	
Note: 1 N/A stands for	no applicable	

WSET		Limited Charge Voltage	: 4.50V	WSCT	
		N/A.			
	Note: 1. N/A stands for	no applicable.			
	WSET	WSET	W5 ET	W5 CT°	WSET
WSET	WSET	WSET	WSET	WSET	
	WSET	WSCT	WSET	WSET	WSET
WSCI	WSET	WSET	WSET	WSET	
	WSET	WSCT	WSCT	W5 ET	WSCT
WSGI	WSET	WSET	WSET	WSET	
	WSET	WSET	WSET	WS ET	Tests CT
WSGI		WSET	WSET	WS.	p(Shenzhen
		Avenue, Shiyan Street, Bao'an District, Shenzhen	City, Guangdong Province, China.	世标检测认证股份有限公司	PITION

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Report No.: WSCT-ANAB-R&E250100002A-15B

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Test Result Summary 3.

	AMERICAN AMERICA	TILLET	AWARES A
4	Requirement	CFR 47 Section	Result
	CONDUCTED EMISSION	§15.107	PASS
	RADIATED EMISSION	W5 ET §15.109 W5 ET	PASS 5 CT

	AMERICAN MARKET	TALL CT!	MARKET STORY	W5CT				
	Requirement	CFR 47 Section	Result	WELST				
	CONDUCTED EMISSION	§15.107	PASS					
W5 CT	RADIATED EMISSION	W5 ET §15.109 W5 ET	PASS/5CT					
•	X	X	X	\times				
	Note: 1. PASS: Test item meets the requin	ement. WSCT	WSET	WSCT				
	2. Fail: Test item does not meet the							
3. N/A: Test case does not apply to the test object.								
W5 ET	4. The test result judgment is decide	d by the limit of test standard.	WSET					
	\times	\times	\times	X				
	WS CT WS L	WSET	WSET	WSET				
WSET	WSCT	WSET WSET	WSCT					
	WSET WSE		WSET	WSET				
WSCT	WSET	WSET WSET	WSCT	WELL				
	WS ET WS E		W5ET	WSCT				
WSCT	WSCT	WS CT WS CT	WSCT					
	\times		X	X				

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Page 5 of 23







Report No.: WSCT-ANAB-R&E250100002A-15B

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.

		\			
	Pretest Mode		Description		
WS	Mode 1	5/7° Vie	deo Recording	WSCT	WSET
	Model 2		/ideo Playing		
X	Mode 3	Exchang	e data with comp	outer	
WSET	Mode 4		FM	WS	
N.P. G.	WSLI	WSLI	WSLI		
	X	X	X	X	X
	7	///		NUCLEA	W//-
	ET° W	'S E T W	SET	WSET	W5CT*
X	\times	X	X		
WSET	WSET	WSLT	WSET	W5	
	× `	\times `	\times	\sim	\times
WS	ET" W	SET W	SET	WSLT	WSET
WSET	WSET	W5 ET	W5 ET	W5	ET
	/				
W	TET W	SCT° W	SET	WSET	WSCT
			X	/	
WSET	WSET	WSET	WSET	W5	<i>[7</i>
	X .	X	X	X	X
WS	TT W	SET W	S E T	WSET	stion& Test
				3	WSET Shenza
X	X	X	X	ation	WSCT® SE
WSET	WSET	WSET	WSET	Spred 2	I I I
ADD: Building A-B, Baoli'an Indust			Guangdong Province, China		S DIJOM & POTOS

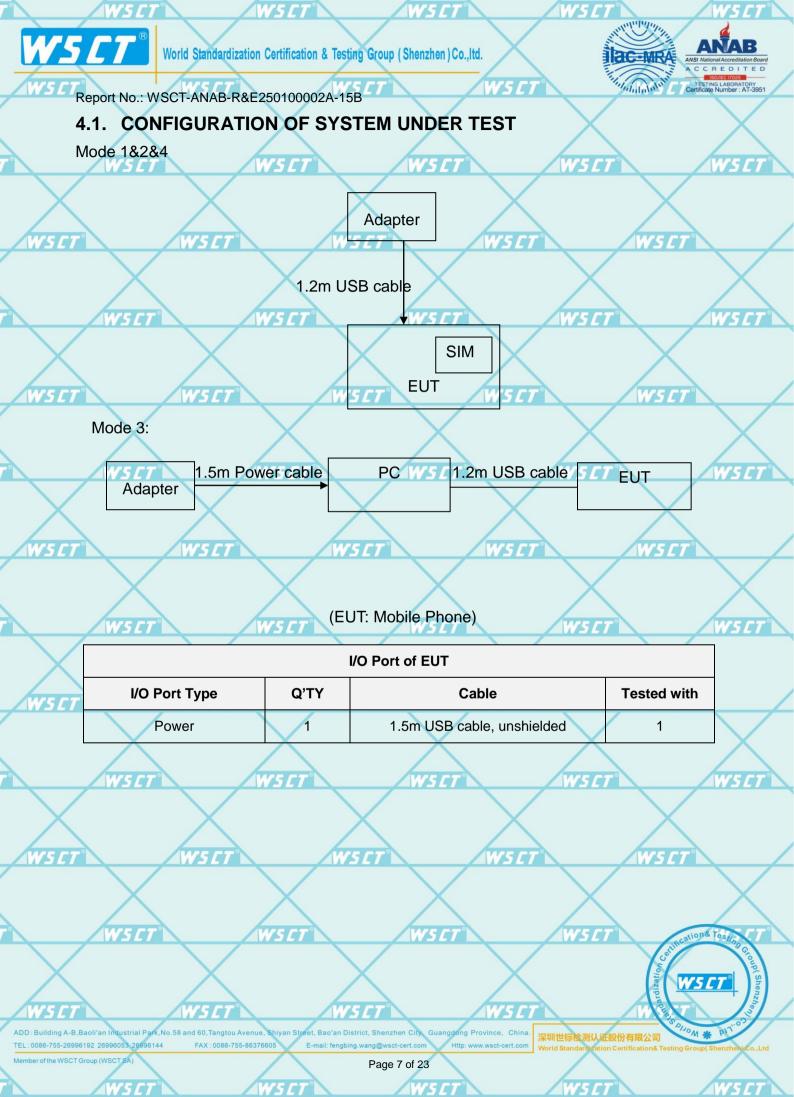
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Page 6 of 23

W5 CT

WSET



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Report No.: WSCT-ANAB-R&E250100002A-15B

4.2. DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

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

					- American Marie M	
C	Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
	1	Adapter	//	U900XSA	1	/
	2	PC	Lenovo	TP00067A	PF-OGT3MS	/

Note:

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TEL: 0086-755-26996192 26996053 26996144

WS ET

- The support equipment was authorized by Declaration of Confirmation. (1)
- (2)For detachable type I/O cable should be specified the length in cm in <code>"Length_"</code> column.

WSC	W5 E1	WSCI	WSET	WSET
WSET	WSET	WSET	WSET	WSET
WSE	$\langle \rangle$	(\times	WSET
WSET	WSET	WSLT	WSET	WSET
WSE	$\langle \rangle$	\times		WSCT
WSET	WSET	WSCT	WSET	WSET
X				X
WSC	WSET	WSET	WSET	WSCT WSCT

Page 8 of 23

Report No.: WSCT-ANAB-R&E250100002A-15B

W5 CT

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	11/05/2024	11/04/2025	
W5 L	T LISN W5 L	7 AFJ W	5 <i>CT</i> LS16	16010222119	11/05/2024	11/04/2025	
	LISN(EUT)	Mestec	AN3016	04/10040	11/05/2024	11/04/2025	
	pre-amplifier	CDSI	PAP-1G18-38		11/05/2024	11/04/2025	
	System Controller	WCL1,	SC1005 [7	- /	11/05/2024	11/04/2025	ET
	Bi-log Antenna	Chase	CBL6111C	2576	11/05/2024	11/04/2025	
	Spectrum analyzer	R&S	FSU26	200409	11/05/2024	11/04/2025	
W5 L	Horn Antenna W5/	SCHWARZBECK	5 _ 7 9120D	1141	11/05/2024	11/04/2025	
	Bi-log Antenna	SCHWARZBECK	VULB9168	01488	7/29/2024	7/28/2025	
	Pre Amplifier	Н.Р.	HP8447E	2945A02715	11/05/2024	11/04/2025	
	9*6*6 Anechoic	WSET	WSET	- /	11/05/2024	11/04/2025	5 E T

WSET	WSET	WSET	WSE	W	SET
	$\langle $	VS ET	WSET	WSCT	WSCT
WSCT	WSET	WSCT	WSC		SET
		VSET*	WSET	WSCT	WSCT
WSET	WSET	WSET	\times		SET
				X	

Page 9 of 23





Report No.: WSCT-ANAB-R&E250100002A-15B

Facilities and Accreditations 6.

6.1. Facilities

All measurement facilities used to collect the measurement data are located at Building A-B, Baoli'an Industrial Park, No. 58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, 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

ANAB - Certificate Number: AT-3951

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

ACCI	reditation (ANAD).Certin	ication Number. At-395	\		
	WSET W	SET WS	ET WS L	WSET	
WSET	WSET	WSET	WSET	WSET	
	W5ET W	SET WS	$\langle \hspace{0.2cm} \rangle$	WSET	
WSCT	WSET	WSET	WSCT	WSET	
	\times	SET WS	$\langle \hspace{0.1cm} \rangle$		1
WSET	WSET	WSET	WSCT	WSET	
	\times	SET	$\langle \hspace{0.1cm} \rangle$		
WSCT	WSET	WSET	WSET	Countries tion & Testing Group (Shenzahou)	
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Page 10 of 23





Report No.: WSCT-ANAB-R&E250100002A-15B

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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 %.

		The or paper diministration of the paper of		<u>4</u>
W5 ET	No.	Item	MU	
	1	Conducted Emission Test	±3.2dB	X
	2	RF power, conducted	±0.16dB	
	3	Spurious emissions, conducted	±0.21dB	W5 C
X	4	All emissions, radiated(<1GHz)	±3.3dB	
WSET	5	All emissions, radiated(>1GHz)	±4.7dB/5_7	
	6	Temperature	±0.5°C	X
	7	Humidity	±2.0%	WEE

WSET	WSET	WSET	WSET	WSET	$\overline{}$
WX					
W	SET WS	W	SET I	WSCT	WSET
WSET	WSET	WSCT	WSCT	WSCT	
			X	X	X
W	SET WS	CT W	SET	WSET	WSET
\times				\times	
WSET	WSET	WSET	WSET	WSET	
	$\langle \hspace{0.1cm} \rangle$		/	\times	X
W	SET WS	CT W	SET	WS ET acatio	n& Testin
				25.50	n& Testing Goup

Page 11 of 23

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Report No.: WSCT-ANAB-R&E250100002A-15B

EMC EMISSION TEST 7.

7.1. CONDUCTED EMISSION MEASUREMENT

7.1.1. POWER LINE CONDUCTED EMISSION LIMITS

				4 4 4 4 4 4	(a) (a)	A THE REAL PROPERTY AND ADDRESS OF THE PARTY A	
/	FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard	
	FREQUENCT (MINZ)	Quasi-peak	Average	Quasi-peak	Average	Stariuaru	X
	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	W5 C
	5.0 -30.0	73.00	60.00	60.00	50.00	FCC	

Note:

(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

\	Receiver Parameters	Setting
Į	Attenuation	10 dB
L	Start Frequency	0.15 MHz
	Stop Frequency	30 MHz
	IF Bandwidth	9 kHz

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Page 12 of 23



W5C7

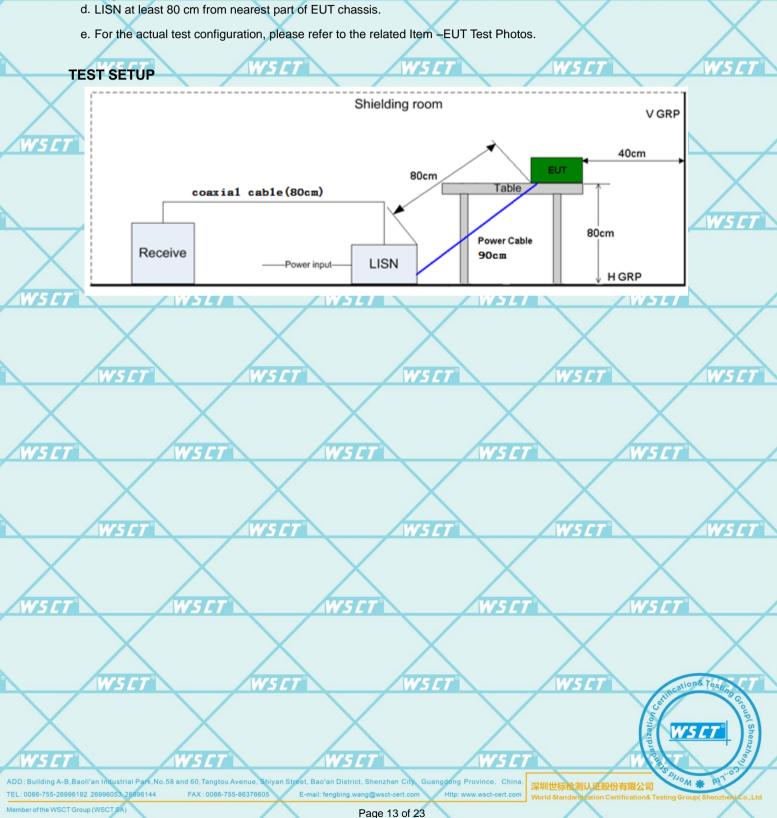


Report No.: WSCT-ANAB-R&E250100002A-15B

port No.: WSC1-ANAB-R&E250100002A-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.
- 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.







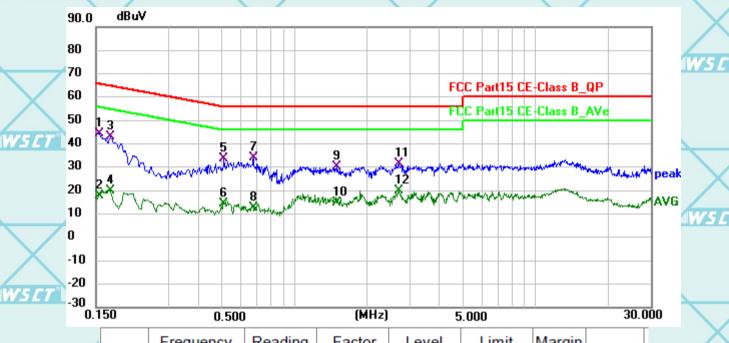
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W5CT"

7.2. Test Results

7	Temperature	20 ℃	Relative Humidity	48%	WSLI
	Pressure	1010 hPa	Test Mode	Mode 2(the worst case)	

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



W	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	
	1 *	0.1545	23.82	20.73	44.55	65.75	-21.20	QP	/
	2	0.1545	-2.80	20.73	17.93	55.75	-37.82	AVG	
	3	0.1725	22.21	20.71	42.92	64.84	-21.92	QP	
	4	0.1725	-0.85	20.71	19.86	54.84	-34.98	AVG	
	5	0.5100	12.92	20.51	33.43	56.00	-22.57	QP	
	6	0.5100	-6.12	20.51	14.39	46.00	-31.61	AVG	
W.	7	0.6765	13.66	20.54	34.20	56.00	-21.80	QP	-/-
	8	0.6765	-7.77	20.54	12.77	46.00	-33.23	AVG	
	9	1.5090	9.42	20.64	30.06	56.00	-25.94	QP	
	10	1.5090	-5.85	20.64	14.79	46.00	-31.21	AVG	7
	11	2.7195	10.78	20.60	31.38	56.00	-24.62	QP	
	12	2.7195	-0.67	20.60	19.93	46.00	-26.07	AVG	
							-	_	

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CCT WC

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W5 CT

4W5CT

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IWS CT

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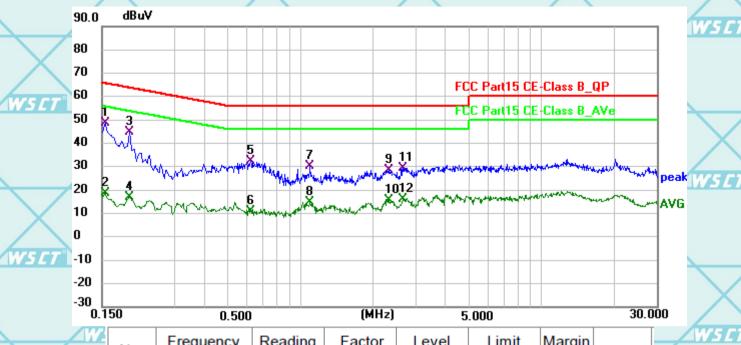




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WSET I

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



É	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	7
	1 *	0.1545	28.09	20.73	48.82	65.75	-16.93	QP	
	2	0.1545	-2.15	20.73	18.58	55.75	-37.17	AVG	.7
1	3	0.1949	23.95	20.69	44.64	63.83	-19.19	QP	
/	4	0.1949	-3.70	20.69	16.99	53.83	-36.84	AVG	
7	5	0.6225	11.82	20.53	32.35	56.00	-23.65	QP	
	6	0.6225	-9.45	20.53	11.08	46.00	-34.92	AVG	
	7	1.0950	9.45	20.66	30.11	56.00	-25.89	QP	
	8	1.0950	-5.96	20.66	14.70	46.00	-31.30	AVG	
	9	2.3280	8.10	20.61	28.71	56.00	-27.29	QP	
	10	2.3280	-5.10	20.61	15.51	46.00	-30.49	AVG	
	11	2.6520	8.90	20.60	29.50	56.00	-26.50	QP	
£	12	2.6520	-4.67	20.60	15.93	46.00	-30.07	AVG	

Note1:

Freq. = Emission frequency in MHz

Reading level (dBµV) = Receiver reading

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

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)

Q.P. =Quasi-Peak AVG =average

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

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Page 15 of 23



Report No.: WSCT-ANAB-R&E250100002A-15B

7.3. RADIATED EMISSION MEASUREMENT

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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)
1	0.009~0.490	2400/F(KHz)	300
14	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	N21 3 W21
	Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Limit (dBuV/m) (at 3M) FREQUENCY (MHz) **PEAK AVERAGE** Above 1000 W5 1.74 54

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).

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

	MARCH CT STAFF CT STAFF	Weeks Weeks
4	Receiver Parameter	Setting
	Attenuation	Auto
	Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
L	Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
	Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

Page 16 of 23



Report No.: WSCT-ANAB-R&E250100002A-15B



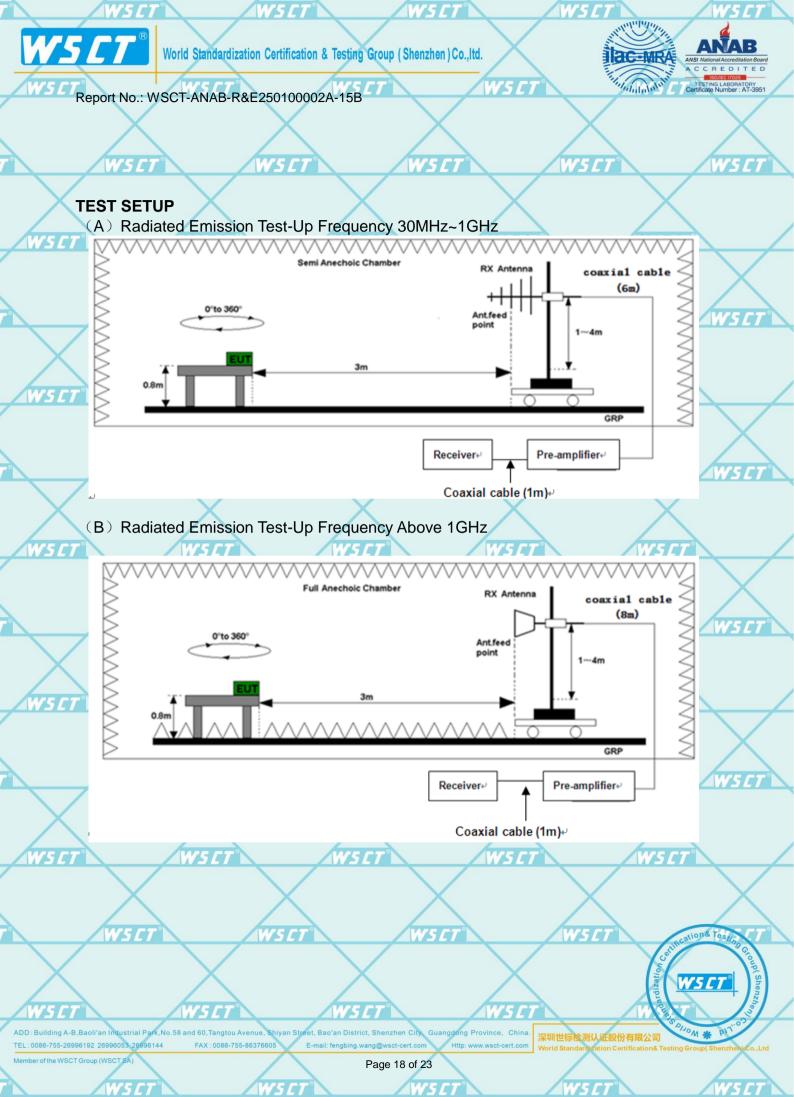
WSCT WSE

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
 - f. For the actual test configuration, please refer to the related Item -EUT Test Photos.

M	SET	WSET	WSLT	WSET	WSCT
WSCT	WSET	\times			SIT
	7501	WSCT	WSET	WSCT	WSET
WSCT	WSET	\times		$\langle $	SET
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Page 17 of 23









Report No.: WSCT-ANAB-R&E250100002A-15B

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7.3.2. Test Results

_	Temperature	20 °C ₩5 E1	Relative Humidity	48% W5ET	W5
	Pressure	1010 hPa	Test Mode	Mode 2(the worst case)	

Please refer to following diagram for individual

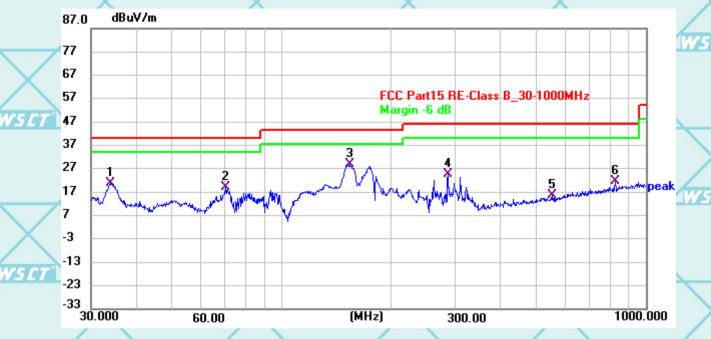
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Below 1GHz

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Horizontal:



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'5 L	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector			
	1	34.0216	40.50	-19.51	20.99	40.00	-19.01	QP			
	2	70.1825	41.60	-22.35	19.25	40.00	-20.75	QP	5		
	3 *	154.0083	48.53	-19.55	28.98	43.50	-14.52	QP			
X	4	286.2286	45.34	-20.73	24.61	46.00	-21.39	QP			
75 L	5	555.7990	30.37	-14.80	15.57	46.00	-30.43	QP			
-14	6	824.9583	32.35	-10.66	21.69	46.00	-24.31	QP			

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Page 19 of 23

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Vertical:



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	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	X
	1 *	33.9918	54.12	-19.51	34.61	40.00	-5.39	QP	
	2	50.0128	49.95	-18.97	30.98	40.00	-9.02	QP	5 <i>L T</i>
X	3	80.8920	53.64	-24.06	29.58	40.00	-10.42	QP	
	4	158.5982	47.45	-19.62	27.83	43.50	-15.67	QP	
Z	5	286.2286	34.79	-20.73	14.06	46.00	-31.94	QP	
	6	629.4772	29.74	-13.06	16.68	46.00	-29.32	QP	

Note1:

W5 Freq. = Emission frequency in MHz W5 FT

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)

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Page 20 of 23

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Report No.: WSCT-ANAB-R&E250100002A-15B

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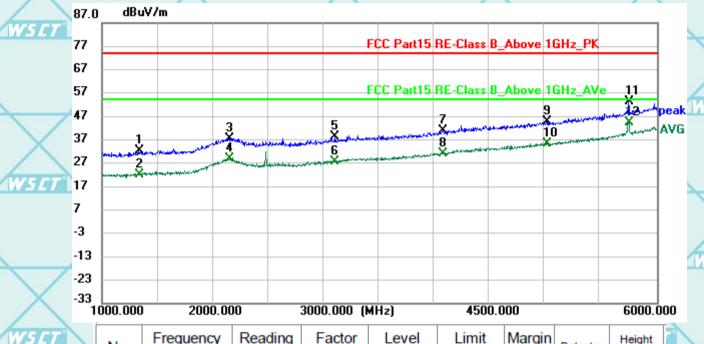
TEST RESULTS

Above 1GHz(1~6GHz) :(Mode 2—worst case)

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



	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	
	1	1333.125	40.21	-7.72	32.49	74.00	-41.51	peak	100	
	2	1333.125	29.94	-7.72	22.22	54.00	-31.78	AVG	100	
	3	2151.875	38.89	-1.18	37.71	74.00	-36.29	peak	100	7
	4	2151.875	30.10	-1.18	28.92	54.00	-25.08	AVG	100	
	5	3105.000	40.45	-2.04	38.41	74.00	-35.59	peak	100	
_	6	3105.000	29.88	-2.04	27.84	54.00	-26.16	AVG	100	
	7	4078.750	39.48	1.30	40.78	74.00	-33.22	peak	100	
	8	4078.750	29.63	1.30	30.93	54.00	-23.07	AVG	100	
	9	5013.750	39.43	5.29	44.72	74.00	-29.28	peak	100	
	10	5013.750	30.28	5.29	35.57	54.00	-18.43	AVG	100	/
	11	5751.250	45.09	8.13	53.22	74.00	-20.78	peak	100	
	12 *	5751.250	36.16	8.13	44.29	54.00	-9.71	AVG	100	

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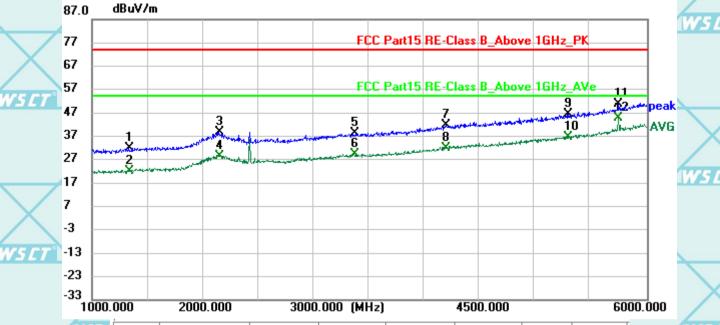




Report No.: WSCT-ANAB-R&E250100002A-15B

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Vertical:



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4	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	
	1	1333.750	39.83	-7.72	32.11	74.00	-41.89	peak	X
	2	1333.750	29.91	-7.72	22.19	54.00	-31.81	AVG	5 C
	3	2148.750	39.78	-1.19	38.59	74.00	-35.41	peak	
K	4	2148.750	29.77	-1.19	28.58	54.00	-25.42	AVG	
	5	3361.250	39.86	-1.45	38.41	74.00	-35.59	peak	
4	6	3361.250	30.72	-1.45	29.27	54.00	-24.73	AVG	
	7	4195.000	40.20	1.76	41.96	74.00	-32.04	peak	X
	8	4195.000	30.31	1.76	32.07	54.00	-21.93	AVG	
	9	5293.125	40.44	6.21	46.65	74.00	-27.35	peak	5 <i>C</i>
	10	5293.125	30.24	6.21	36.45	54.00	-17.55	AVG	
K	11	5746.875	42.86	8.10	50.96	74.00	-23.04	peak	
	12 *	5746.875	36.66	8.10	44.76	54.00	-9.24	AVG	

Remark:

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.

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Page 22 of 23

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