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# TEST REPORT

FCC ID: 2ADYY-T1
Product: Megabook

Model No.: T1

Additional Model No.: N/A

Trade Mark: TECNO

Report No.: WSCT-A2LA-R&E220300004A-LE

Issued Date: 01 August 2022

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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ark, Baoshi Road, Bao'an District, Shenzhen, Guangdong, China 605 E-mail: Fengbing Wang@wsct-cert.com Http:www.wsct-cert.com

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Certificate Number 5768.01

# **TABLE OF CONTENTS**

For Question,
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1/	Test Certification	3
2.	Test Result Summary	4
3.	EUT Description	5
4.		6
	4.1. TEST ENVIRONMENT AND MODE	6
	4.2. DESCRIPTION OF SUPPORT UNITS	6/5/
5.	Facilities and Accreditations	7
X	5.1. FACILITIES	7
VSET	5.2. ACCREDITATIONS	7
7-7-7	5.3 MEASUREMENT UNCERTAINTY	8
	5.4 MEASUREMENT INSTRUMENTS	9
6.	Test Results and Measurement Data	10
$\overline{}$	6.1. ANTENNA REQUIREMENT	
$\times$	6.2. CONDUCTED EMISSION	11
	6.3. CONDUCTED OUTPUT POWER	14
VSET L	6.4. EMISSION BANDWIDTH	18
	6.5. Power Spectral Density	22
	6.6. TEST SPECIFICATION	22
	6.7. CONDUCTED BAND EDGE AND SPURIOUS EMISSION MEASUREMENT	26/5/5
	6.8. RADIATED SPURIOUS EMISSION MEASUREMENT	

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### **Test Certification**

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Product:	Megabook W577
Model No.:	T1
Additional Model No.:	N/A WSET WSET
Trade Mark:	TECNO
Applicant:	TECNO MOBILE LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Manufacturer:	TECNO MOBILE LIMITED W5.77
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Date of Test:	13 July 2022 ~ 27 July 2022 W 5 / 7 W 5 / 7
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.

Tested By:

(Wang Xiang)

Checked By:

(Li Huaibi)

Approved By:

(Wang Fengbing)

Date:

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2. Test Result Summary

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	Requirement	CFR 47 Section	Result
	Antenna requirement	§15.203/§15.247 (c)	PASS
0	AC Power Line Conducted Emission	W5ET §15.207 W5ET	PASS <sup>V5</sup>
	Conducted Peak Output Power	§15.247 (b)(3) §2.1046	PASS W5CT
	6dB Emission Bandwidth	§15.247 (a)(2) §2.1049	PASS
0	Power Spectral Density	W5 §15.247 (e) W5 ET	PASS 5ET
	Band Edge	1§5.247(d) §2.1051, §2.1057	PASS
	Spurious Emission	§15.205/§15.209 §2.1053, §2.1057	PASS

#### Note:

- 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.

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## 3. EUT Description

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Product:	Megabook
Model No.:	T1 \
Additional Model No.:	N/A
Trade Mark:	TECNO WSET WSET
Operation Frequency:	2402MHz~2480MHz
Channel Separation:	2MHz WSET WSET
Number of Channel:	40
Modulation Technology: W5777	GFSK W5CT W5CT
Antenna Type:	Integral Antenna
Antenna Gain:	4.44dBi
Power Supply:	Rechargeable Li-ion Polymer Battery: 156 Rated Voltage: 11.55V Rated Capacity: 6060mAh/69.99Wh Typical Capacity:6160mAh/71.14Wh Limited Charge Voltage: 13.2V
Adapter: W5W Remark:	Adapter: TCW-A61S-65W Input: 100-240V~50/60Hz 1.5A Max Output:5.0V===3.0A/9.0V===3.0A/12.0V===3.0A/15.0V===3.0A/20 .0V3.25A N/A

**Operation Frequency each of channel** 

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
W5E	2404MHz	W15/	2424MHz	215/	2444MHz	31 5	2464MHz
	\ /						
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz
Remark: Channel 0, 19 & 39 have been tested.							



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#### 4. Genera Information

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#### 4.1. Test environment and mode

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Operating Environment:							
Temperature:	25.0 °C						
Humidity: VSET WSET	56 % RH /W5CT W5CT						
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.						
	Temperature: Humidity: / 5/7 Atmospheric Pressure: Test Mode:						

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.

0	Equipment	Model No.	Serial No.	FCC ID	Trade Name	
	Adapter	Adapter	1	1	ADAPTER	

#### Note:

- 1. 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.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

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5. Facilities and Accreditations

#### 5.1. Facilities

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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."

#### 5.2. ACCREDITATIONS

China National Accreditation Service for Conformity Assessment (CNAS)

Registration number NO: L3732

American Association for Laboratory Accreditation(A2LA)

Registration NO: 5768.01

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Copies of granted accreditation certificates are available for downloading from our web site, http://www.wsct-cert.com

Page 7 of 36

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### **Measurement Uncertainty**

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

	No.	Item	MU
	1	Conducted Emission Test	±3.2dB
	2	RF power, conducted	±0.16dB
	3	Spurious emissions, conducted	±0.21dB
7	4W54	All emissions, radiated(<1GHz)	±4.7dB
	5	All emissions, radiated(>1GHz)	±4.7dB
	6	Temperature	±0.5°C
	7	Humidity	±2.0%

	WSET	WSET	WSET	WSET	WSET
WSET	WSG	W51	W.	SET W	500
	WSET	WSET	WSET	WSET	WSET
WSET	WSC				511
	WSET	WSLT	WSET	WSET	WSET
WSET	WSE				SET
		WSET	WSET	WSET	WSET
Contino	ation & Testing Class				X

Page 8 of 36

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#### 5.4 MEASUREMENT INSTRUMENTS

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	NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibrati on Due.	
	Test software	11219	EZ-EMC	CON-03A	117	-/	
$\langle$	EMI Test Receiver	R&S	ESCI	100005	11/05/2021	11/04/2022	
	LISN	AFJ	LS16	16010222119	11/05/2021	11/04/2022	
7	LISN(EUT)	Mestec	AN3016	04/10040	11/05/2021	11/04/2022	\
	Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	11/05/2021	11/04/2022	
	Coaxial cable	Megalon	LMR400/5/	N/A	11/05/2021	11/04/2022	1
/	GPIB cable	Megalon	GPIB	N/A	11/05/2021	11/04/2022	
\	Spectrum Analyzer	R&S	FSU	100114	11/05/2021	11/04/2022	
[	Pre Amplifier	H.P.	HP8447E	2945A02715	11/05/2021	11/04/2022	
	Pre-Amplifier	CDSI	PAP-1G18-38	<i>/</i>	11/05/2021	11/04/2022	
	Bi-log Antenna	SUNOL Sciences	JB3	A021907	11/05/2021	11/04/2022	/
	9*6*6 Anechoic	WSET	W51.		11/05/2021	11/04/2022	7
(	Horn Antenna	COMPLIANCE ENGINEERING	CE18000		11/05/2021	11/04/2022	
	Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-631	11/05/2021	11/04/2022	
4	Cable	TIME MICROWAVE	LMR-400	N-TYPE04	11/05/2021	11/04/2022	
	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	
$\langle$	RF cable	Murata	MXHQ87WA3000	-X	11/05/2021	11/04/2022	
	Loop Antenna	EMCO	6502	00042960	11/05/2021	11/04/2022	
	Horn Antenna	SCHWARZBECK	BBHA 9170	1123	11/05/2021	11/04/2022	\
	Power meter	Anritsu	ML2487A	6K00003613	11/05/2021	11/04/2022	
	Power sensor	Anritsu	MX248XD	-	11/05/2021	11/04/2022	7

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#### **Antenna requirement**

Standard requirement:

FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

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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:

The Bluetooth antenna is a Integral Antenna. it meets the standards, and the best case gain of the antenna is 4.44dBi.



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#### 6.2. Conducted Emission

#### 6.2.1. Test Specification V5

5.2.1. Test Specification	WSU	WSU
Test Requirement:	FCC Part15 C Section	15.207
Test Method:	ANSI C63.10:2014	WSCT
Frequency Range:	150 kHz to 30 MHz	
Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time=auto
W5CT W5C	Frequency range	Limit (dBuV)
Limits:	(MHz) 0.15-0.5	Quasi-peak Average 66 to 56* 56 to 46*
WSET	0.5-5 5-30	56 46 60 50
		nce Plane
WSET	40cm	10cm LISN
	E.U.T Adap	fer AC power
Test Setup:	Test table/Insulation plar	EMI Receiver
Aug and Aug an	Remark E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Test table height=0.8m	n Network
Test Mode:	Charging + Transmitting	g Mode
WSCT	impedance stabiliza	cted to an adapter through a line ation network (L.I.S.N.). This OuH coupling impedance for the
X	2. The peripheral device power through a LIS	es are also connected to the main SN that provides a 50ohm/50uH
Test Procedure:		with 50ohm termination. (Please diagram of the test setup and
WSET	conducted interferen	line are checked for maximum ce. In order to find the maximum
$\times$	the interface cables	e positions of equipment and all of must be changed according to n conducted measurement.
Test Result: W50	PASS WSET	WSET

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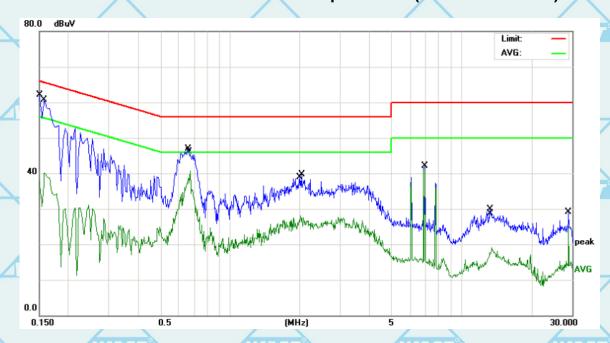
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6.2.2. Test data

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#### Please refer to following diagram for individual

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



/	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
Ī			MHz	dBuV	dB	dBuV	dBuV	dB	Detector
	1	*	0.1500	51.78	10.41	62.19	65.99	-3.80	QP
7	2		0.1580	29.79	10.41	40.20	55.56	-15.36	AVG
Ī	3		0.6580	36.46	10.48	46.94	56.00	-9.06	QP
	4		0.6740	30.14	10.48	40.62	46.00	-5.38	AVG
	5		2.0180	17.48	10.66	28.14	46.00	-17.86	AVG
	6		2.0380	28.98	10.66	39.64	56.00	-16.36	QP
	7		6.9260	31.43	10.73	42.16	60.00	-17.84	QP
	8		6.9260	30.66	10.73	41.39	50.00	-8.61	AVG
	9		13.2740	18.92	10.97	29.89	60.00	-30.11	QP
//	10		13.5180	8.07	10.98	19.05	50.00	-30.95	AVG
	11		28.9740	18.14	10.96	29.10	60.00	-30.90	QP
	12		28.9740	14.09	10.96	25.05	50.00	-24.95	AVG

#### Note:

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Freq. = Emission frequency in MHz

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

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

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

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

Margin (dB) = Measurement (dB $\mu$ V) – Limits (dB $\mu$ V)

Q.P. =Quasi-Peak

AVG =average

worst frequency has been tested in the frequency range 150 kHz to 30MHz

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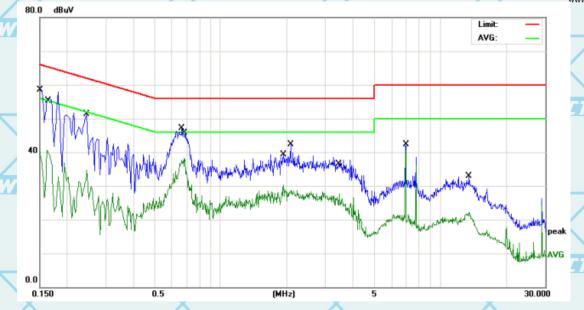


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# Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz) For Question, Please Contact with WSCT

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7	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB	dBuV	dBuV	dB	Detector
	1	*	0.1500	48.00	10.41	58.41	65.99	-7.58	QP
	2		0.1620	30.15	10.41	40.56	55.36	-14.80	AVG
	3		0.2460	40.86	10.42	51.28	61.89	-10.61	QP
/	4		0.6660	36.69	10.48	47.17	56.00	-8.83	QP
	5		0.6860	27.76	10.48	38.24	46.00	-7.76	AVG
	6		1.9380	19.56	10.65	30.21	46.00	-15.79	AVG
	7		2.0860	31.60	10.66	42.26	56.00	-13.74	QP
	8		3.4580	17.13	10.67	27.80	46.00	-18.20	AVG
	9		6.9660	31.66	10.73	42.39	60.00	-17.61	QP
	10		6.9660	30.13	10.73	40.86	50.00	-9.14	AVG
	11		13.4980	21.90	10.98	32.88	60.00	-27.12	QP
-	12		13.4980	11.21	10.98	22.19	50.00	-27.81	AVG

#### Note1:

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Freq. = Emission frequency in MHz

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

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

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

Limit (dBµV) = Limit stated in standard

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$ 

Q.P. =Quasi-Peak AVG =average

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



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#### 6.3. Conducted Output Power

#### 6.3.1. Test Specification VSC

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	Test Requirement:	FCC Part15 C Section 15.247 (b)(3)	
T	Test Method:	KDB558074	
	Limit:	30dBm	
7	Test Setup:		WSET
		Spectrum Analyzer EUT	
	Test Mode:	Refer to item 4.1	
7	Test Procedure:	<ol> <li>The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v04.</li> <li>Set spectrum analyzer as following:         <ul> <li>a) Set the RBW ≥ DTS bandwidth.</li> <li>b) Set VBW ≥ 3 x RBW.</li> <li>c) Set span ≥ 3 x RBW</li> <li>d) Sweep time = auto couple.</li> <li>e) Detector = peak.</li> <li>f) Trace mode = max hold.</li> <li>g) Allow trace to fully stabilize.</li> <li>h) Use peak marker function to determine the peak amplitude level.</li> </ul> </li> </ol>	AWSET
/	Test Result:	PASS	

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#### 6.3.2. Test Data

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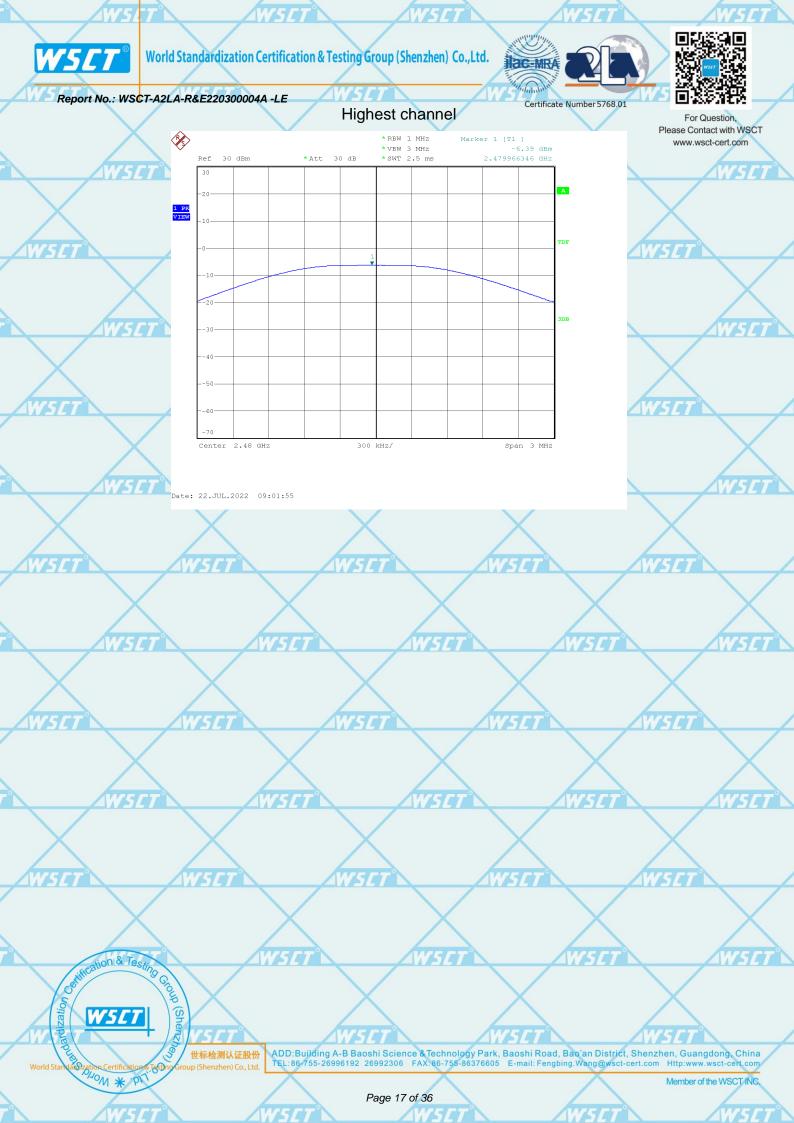
	BT LE mode			
	Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
	Lowest	-2.96	30.00	PASS
<b>7</b> °	Middle	-4.80	30.00	PASS
	Highest	-6.39	30.00	PASS

Test plots as follows:

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#### 6.4. Emission Bandwidth

#### 6.4.1. Test Specification V5/7

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Test Requirement:	FCC Part15 C Section 15.247 (a)(2)			
Test Method:	KDB558074			
Limit:	>500kHz			
Test Setup:				
	Spectrum Analyzer EUT			
Test Mode:	Refer to item 4.1			
Test Procedure:	<ol> <li>The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v04.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>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.</li> <li>Measure and record the results in the test report.</li> </ol>			
Test Result:	PASS			

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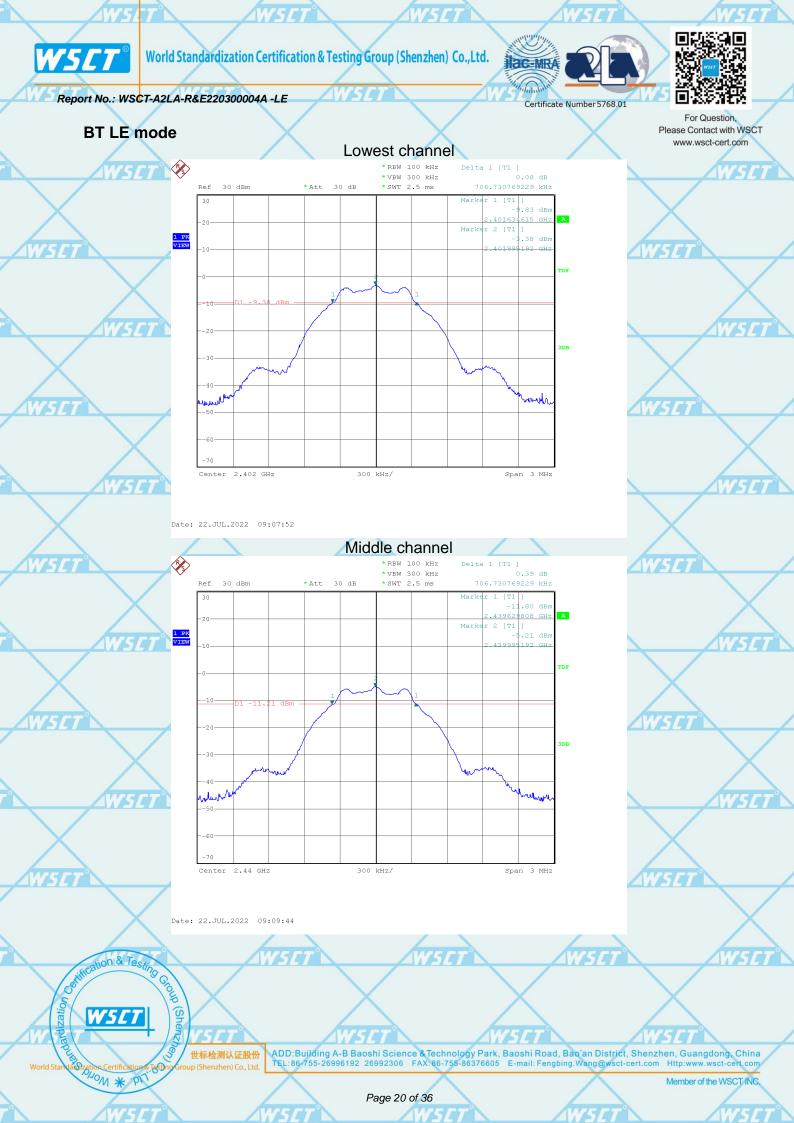
Report No.: WSCT-A2LA-R&E220300004A -LE

#### 6.4.2. Test data

Please Contact with WSCT www.wsct-cert.com

	Test channel	6dB Emission Bandwidth (kHz)				
7	rest channel	BT LE mode	Limit	Result		
	Lowest	706.73	>500k	X		
	Middle	706.73	>500k	PASS		
	Highest	692.31	>500k			

-AWSLI	ivildalo	700.70	7500K	17,00	
	Highest	692.31	>500k		
	Test plots as follows:	WSET WSET	W/S	ET	WSET
WSET	WSET	WSET	WSET	WSET	
		$\wedge$			
	WSET	WSET WSET	WS	LT.	WSET
WSET	WSET	WSET	WSET	WSET	/
	X	X			X
	WSET	WSET WSET	W.S	14/4	AWSET N
$\times$	$\times$	$\times$	$\times$	$\times$	
W5CT <sup>*</sup>	WSET	WSET	W5ET*	WSET	$\overline{}$
	X	X		<	X
	AVECT	WSET WSET		TT .	WSET
	AWSET*				
X	X	X	X	X	
WSET	WSET	WSET	WSET	WSET	
7					
	X	X		X	X
	W.5.CT COUNTY STATE OF THE STA	WSET	W	TT.	WSET
Contiffe Contiffe	all Ca				
Tigo L	WSCT   E	X	X	X	
ardiza	NSCT.	WSET	WSET	WSET	
World Standay Izat	世标检测认证股份 iton Certification & Tenno Group (Shenzhen) Co., Ltd		ogy Park, Baoshi Road, Bao'an 86376605 E-mail: Fengbing.Wan	District, Shenzhen, Guang g@wsct-cert.com Http:www.	dong, China wsct-cert.com
10).	ON * PIT	X		<del></del>	the WSCT INC.
		Page 19 of 36			











**Power Spectral Density** 

#### **Test Specification** 6.6.

Report No.: WSCT-A2LA-R&E220300004A -LE

Please Contact with WSCT www.wsct-cert.com

FCC Part15 C Section 15.247 (e)
KDB558074
The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.
Spectrum Analyzer EUT
Refer to item 4.1
<ol> <li>The testing follows Measurement Procedure 10.2         Method PKPSD of FCC KDB Publication No.558074         D01 DTS Meas. Guidance v04</li> <li>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.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>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)</li> <li>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.</li> <li>Measure and record the results in the test report.</li> </ol>
PASS

#### 6.6.1. Test Instruments W5/

MON \* PI

RF Test Room								
Equipment		Manufacturer Model S		Serial Number	Calibration Due			
Spectrum Ar	nalyzer	R&S	FSU	200054	Sep. 27, 2018			
RF cab (9kHz-26.5		тст	RE-06	N/A	Sep. 27, 2018			
Antenna Cor	nector	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 **V5/\_int**ernational system unit (SI).

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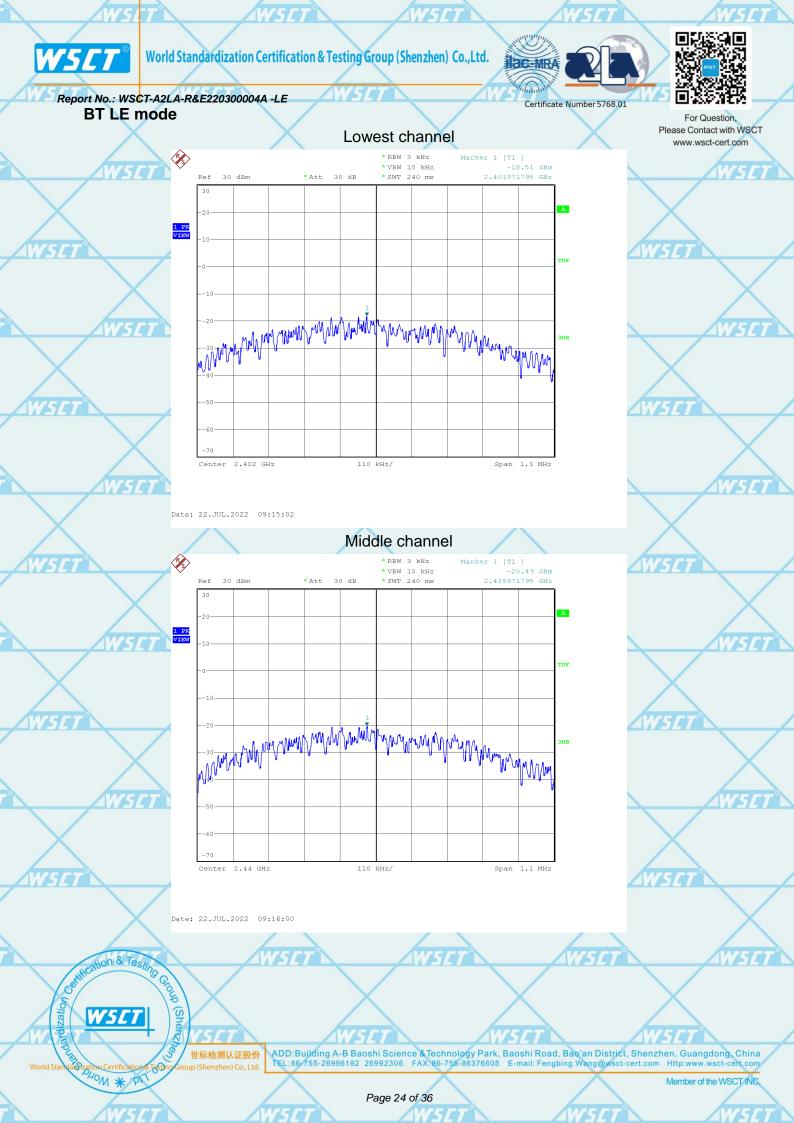


Report No.: WSCT-A2LA-R&E220300004A -LE

#### 6.6.2. Test data

	X	X			act with WSC1
	Test channel	Power Spectral D	ensity (dBm/3kl		t-cert.com
7	rest channel	BT LE mode	Limit	Result	4W5L1
	Lowest	-18.51	8 dBm/3kHz	X	
-	Middle	-20.49	8 dBm/3kHz	PASS	
	Highest	-22.23	8 dBm/3kHz	112191	

WSCT			W 14 1	WSET	
	Highest	-22.23	8 dBm/3k	HZ	
	Test plots as follows:	X	X	X	X
		WSET	WSET	WSET	WSET
					4// <i>JE</i> / B
X	X	X	X	X	
W5ET <sup>®</sup>	WSET	WSET	WSET	WSET	/
	WSCT	WSET	WSET	WSET	WSET
X	X	X	X	X	
WSET	WSET	WSET	WSLT	WSET	
	WSET	WSET	WSET	WSET	WSCT
X	X	X	X	X	
WSCT	WSET	WSET*	WSET	WSET	
	WSCT	WSET	WSCT	WSET	WSIT
X	X	X	X	X	
WSET	WSET	WSET	WSET	WSET	
	WSCT	WSET	WSET	WSET	WSET
o, tiff	allo C				
18		X	X	X	
izati	WSCT She				
The poly		ADD: Duilding A. P. Poochi Soion	S Toobsolow Park Paraki Paraki	Pen'on Diotriet Chamban Com	adopa China
World Standawiza	世标检测认证股份 tion Certification & ToSDno Group (Shenzhen) Co., Ltd	TEL:86-755-26996192 26992306	ce & Technology Park, Baoshi Road, FAX: 86-755-86376605 E-mail: Fengb		
	W * PI	Days 00	of 26	Member of	the WSCT INC.
		Page 23	01.30		









# Conducted Band Edge and Spurious Emission Measurement Please Contact with WSCT

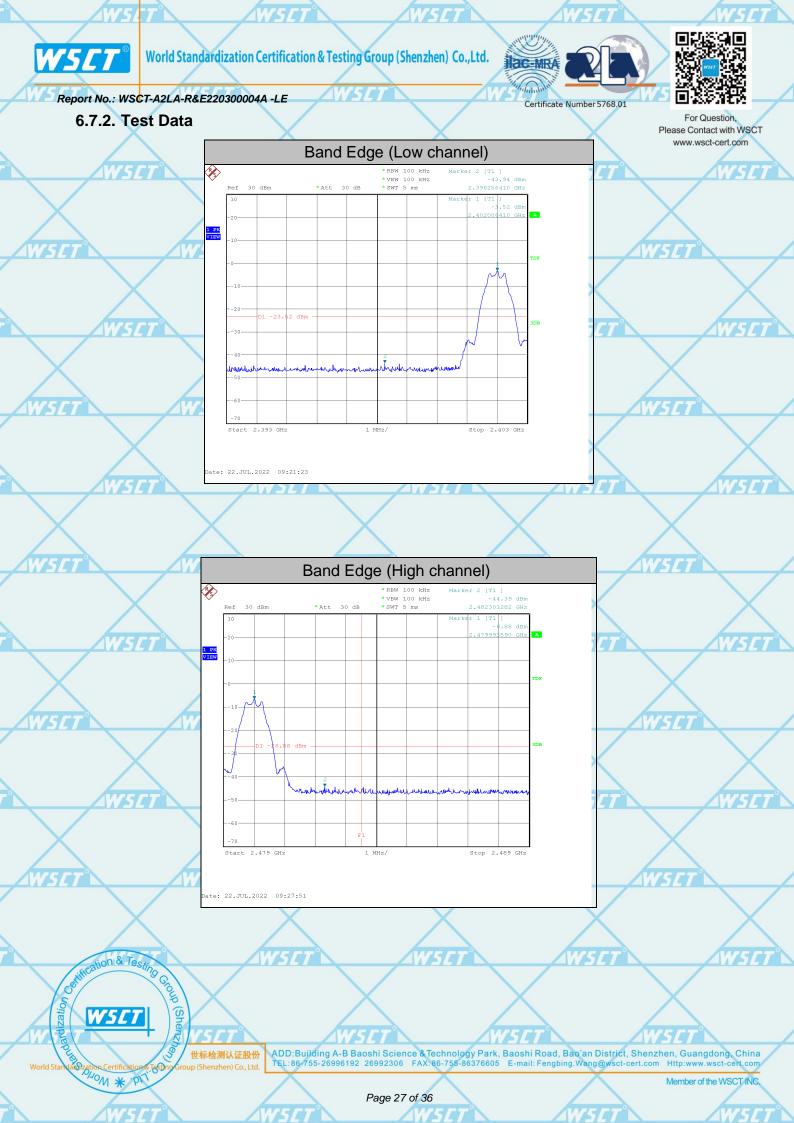
www.wsct-cert.com

#### 6.7.1. Test Specification

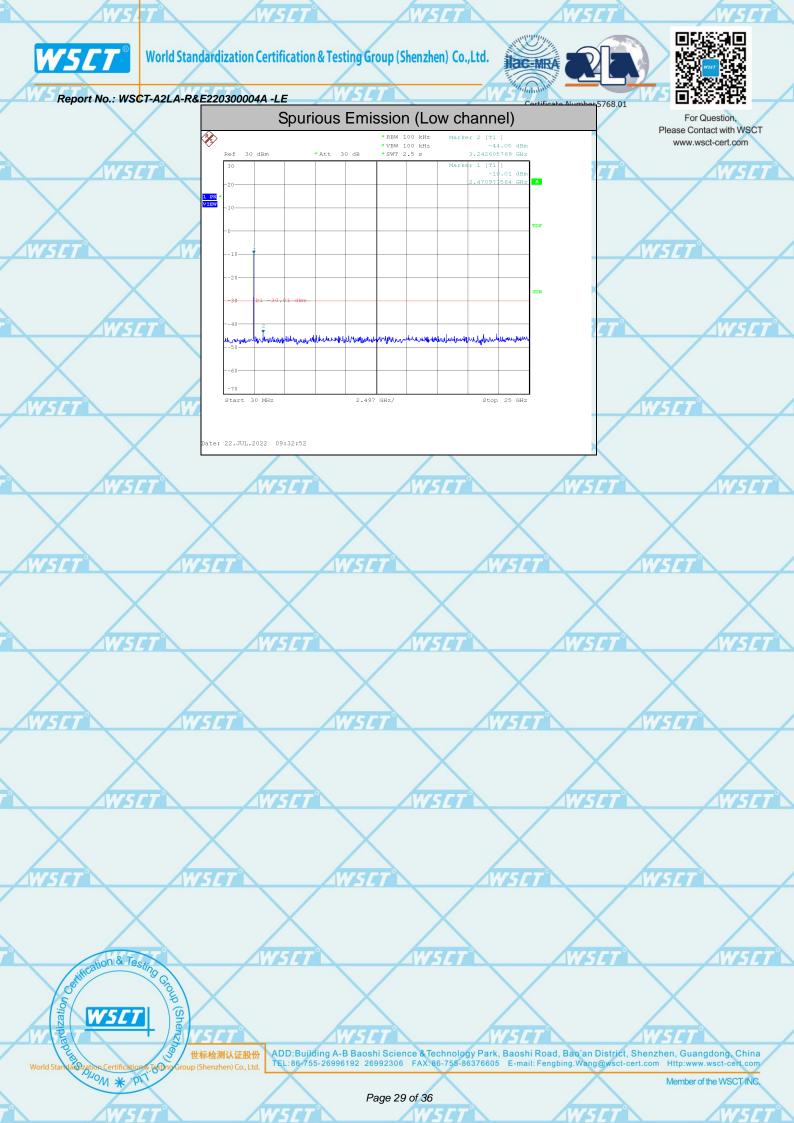
Report No.: WSCT-A2LA-R&E220300004A -LE

AW5[7] /W5[	T WSCT WSCT				
Test Requirement:	FCC Part15 C Section 15.247 (d)				
Test Method:	KDB558074				
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).				
Test Setup:	Spectrum Analyzer EUT				
Test Mode:	Refer to item 4.1				
Test Procedure:	<ol> <li>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.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>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).</li> <li>Measure and record the results in the test report.</li> <li>The RF fundamental frequency should be excluded against the limit line in the operating frequency band.</li> </ol>				
Test Result:	PASS				
Test Result:	5. The RF fundamental frequency should be excluded against the limit line in the operating frequency				













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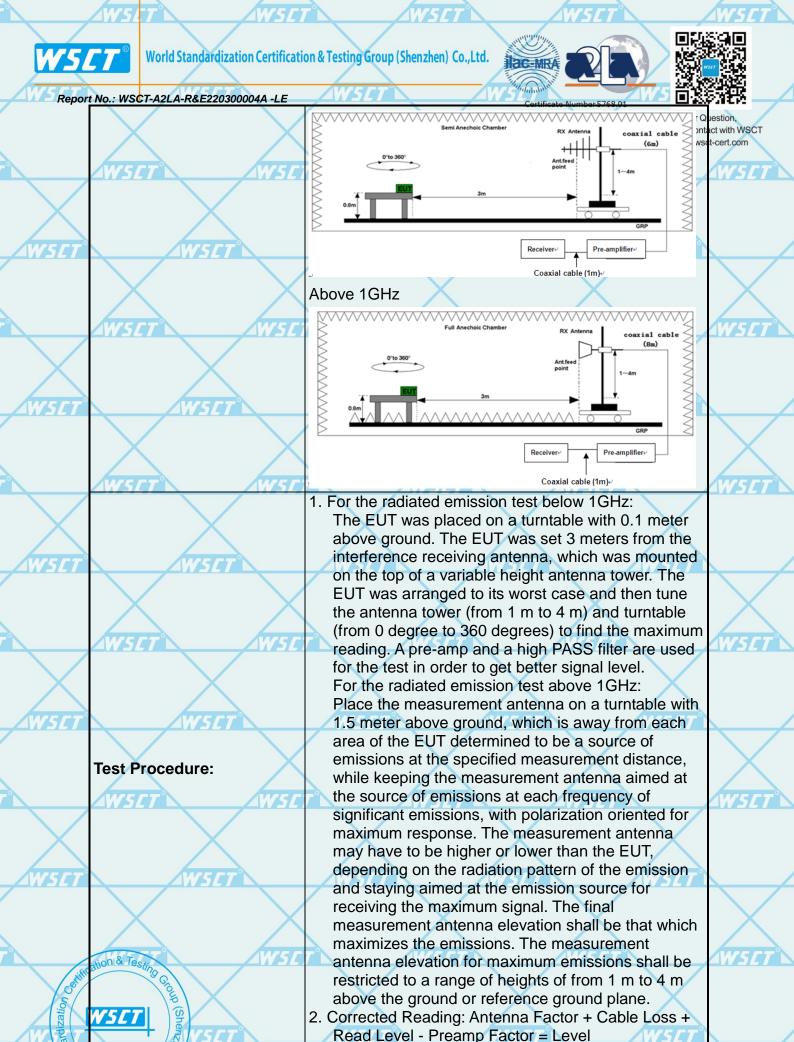
Report No.: WSCT-A2LA-R&E220300004A -LE

## **Radiated Spurious Emission Measurement**

6.	8.1. Test Specification VS		W5C1		W5	ET .	-/	
	Test Requirement:	FCC Part15	C Section	n 15.209			X	
	Test Method:	ANSI C63.10	):2014					
	Frequency Range:	9 kHz to 25 0	GHz	W-572		117	774	
	Measurement Distance:	3 m	X		X			
	Antenna Polarization:	Horizontal &	Vertical		Kur		1	
7	Operation mode:	Refer to item	4.1					
	X	Frequency 9kHz- 150kHz	Detector Quasi-pea		VBW 1kHz	Remai Quasi-peak		
	Receiver Setup:	150kHz- 30MHz	Quasi-pea	All Control of Control	30kHz	Quasi-peak	70	
	X	30MHz-1GHz Above 1GHz	Quasi-pea Peak Peak	ak 100KHz 1MHz 1MHz	300KHz 3MHz 10Hz	Quasi-peak Peak Va Average \	alue	
7	AVE 1972	Frequen	4174	Field S	trength	Measuren	ment	
	X	0.009-0.490			(KHz)	Distance (meters) 300 30		
	WSET	0.490-1.7 1.705-3		24000/F(KHz) 30		30 5 6		
		30-88		100		3		
	Limit:	88-216 216-96		150 200		3		
	WSET WSE	Above 9		500		3		
7					Measure	mont		
	X	Frequency		eld Strength ovolts/meter	Dietan	ce Det	ector	
	WSET	Above 1GHz		500		Ave	erage eak	
	$\sim$				3			
	WSET	For radiated		is below .	BUIVIHZ			
/	NA I	∑ Di	stance = 3m			Computer		
	Test setup:		1(		Pre	-Amplifier		
	W-51-4-1	Turn table  Receiver  Ground Plane						
	X				Receiver	_		
SHI	ation & Testing	30MHz to 1G	111470	THE PROPERTY OF THE PARTY OF TH	WE	744		

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ADD:Building A-

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3. For measurement below 1GHz, If the emission levels classification of the EUT measured by the peak detector is 3't@cforie-tent-WgCT lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.  4. Use the following spectrum analyzer settings:  (1) Span shall wide enough to fully capture the emission being measured;  (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold;  (3) Set RBW = 1 MHz, VBW= 3MHz for f □ 1 GHz for peak measurement.  For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, 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 power control level for the tested mode of operation.  Test mode: Refer to section 4.1 for details  Test results: PeASS  Note: Freq. = Emission frequency in MHz Reading level (righy') = Receiver reading Corr. Factor (righ) = Attenuation lactor + Cable loss Level (righy') = Receiver reading level (righy') = Cable loss Level (righy') = Level (righy') - Limit stated in standard Margin (righy) = Level (righy') - Limit stated in standard Margin (righy) = Level (righy') - Limit stated in standard Margin (righy) = Level (righy') - Limit stated in standard Margin (righy) = Level (righy') - Limit stated in standard Margin (righy) = Level (righy') - Limit stated in standard Margin (righy) = Level (righy') - Limit stated in standard Margin (righy) = Level (righy') - Limit stated in standard Margin (righy) = Level (righy') - Limit stated in standard Margin (righy) = Level (righy') - Limit stated in standard Margin (righy) = Level (righy') - Limit stated in standard Margin (righy) = Level (righy') - Limit stated in standard Margin (righy) = Level (righy') - Limit stated in standard Margin (righy) = Level (righy') - Limit stated margin right standard Margin (righy) = Level (righy') - Limit s	Nepul	t No.: WSCT-A2LA-R&E220300004A -LE		71 E 12
of the EUT measured by the peak detector is ₹₹₩ centrom lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.  4. Use the following spectrum analyzer settings:  (1) Span shall wide enough to fully capture the emission being measured;  (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold;  (3) Set RBW = 1 MHz, VBW = 3MHz for f □ 1 GHz for peak measurement.  For average measurement.  For average measurement vBW = 10 Hz, when duty cycle is no less than 98 percent vBw ≥ 1/T, 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 power control level for the tested mode of operation.  Test mode:  Refer to section 4.1 for details  Test results:  PASS  Note: Freq. = Emission frequency in MHz Reading lovel (dByV) = Receiver reading Corr. Factor (dB) Limit (dByV) = Limit stated in standard Margin (dB) = Level (dByV) = Limit stated in standard Margin (dB) = Level (dByV) = Limits (dByV)			3. For measurement below 1GHz, If the emission level of	estion,
lower than the applicable int, the peak emission level will be reported. Otherwise, the emission measurement will be reported using the quasi-peak detector and reported.  4. Use the following spectrum analyzer settings:  (1) Span shall wide enough to fully capture the emission being measured;  (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold;  (3) Set RBW = 1 MHz, VBW=3MHz for f □ 1 GHz for peak measurement. For average measurement: VBW ≥ 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, 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 power control level for the tested mode of operation.  Test mode:  Refer to section 4.1 for details  Test results:  PASS  Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading Corr. Factor (dB) ≥ Attenuation factor + Cable loss Level (dBµV) = Reading level (dBµV) – Limits (dBµV) – Li		X	of the EUT measured by the peak detector is 3 de B <sup>Cont</sup> ic	t with WSCT
level will be repeated using the quasi-peak detector and reported.  4. Use the following spectrum analyzer settings:  (1) Span shall wide enough to fully capture the emission being measured;  (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold;  (3) Set RBW = 1 MHz, VBW= 3MHz for f □ 1 GHz for peak measurement.  For average measurement.  For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, when duty cycle is less than 98 percent. VBW ≥ 1/T, 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 power control level for the tested mode of operation.  Test mode: Refer to section 4.1 for details  Test results: PASS  Note: Freq. = Emission frequency in MHz Reading level (dByV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dByV) = Reading level (dByV) + Corr. Factor (dB) Limit (dByV) = Level (dByV) - Limits (dByV)			lower than the applicable limit, the peak emission	cert.com
detector and reported.  4. Use the following spectrum analyzer settings:  (1) Span shall wide enough to fully capture the emission being measured;  (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold;  (3) Set RBW = 1 MHz, VBW= 3MHz for f □ 1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, 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 power control level for the tested mode of operation.  Test mode: Refer to section 4.1 for details  Test results: PASS  Note: Freq. = Emission frequency in MHz. Reading level (dBjuV) = Reaceiver reading. Corr. Factor (dB) = Altenuation factor + Cable loss Level (dBjuV) = Reading level (dBjuV) - Limits (dBj		WSET WSE		W5ET
detector and reported.  4. Use the following spectrum analyzer settings:  (1) Span shall wide enough to fully capture the emission being measured;  (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold;  (3) Set RBW = 1 MHz, VBW= 3MHz for f □ 1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, 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 power control level for the tested mode of operation.  Test mode: Refer to section 4.1 for details  Test results: PASS  Note: Freq. = Emission frequency in MHz. Reading level (dBjuV) = Reaceiver reading. Corr. Factor (dB) = Altenuation factor + Cable loss Level (dBjuV) = Reading level (dBjuV) - Limits (dBj			measurement will be repeated using the quasi-peak	
(1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for f □ 1 GHz for peak measurement.  For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, 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 power control level for the tested mode of operation.  Test mode:  Refer to section 4.1 for details  PASS  Note: Freq. = Emission frequency in MHz  Reading level (dBµV) = Reacing level (dBµV) = Reacing level (dBµV) = Reacing level (dBµV) = Limit stated in standard Margin (dB) = Level (dBµV) – Limits (dBµV)	X	$\times$		
emission being measured;  (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold;  (3) Set RBW = 1 MHz, VBW= 3MHz for f □ 1 GHz for peak measurement.  For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.  Test mode: Refer to section 4.1 for details  Test results: PASS  ***Total California Standard**  Note: Freq. = Emission frequency in MHz Reading level (dByV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dByV) = Reading level (dByV) + Corr. Factor (dB) Limit (dByV) = Limit stated in standard Margin (dB) = Level (dByV) - Limits (dByV)  ****Total Calle Indicates the standard Margin (dB) = Level (dByV) - Limits (dByV)			4. Use the following spectrum analyzer settings:	
(2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold;  (3) Set RBW = 1 MHz, VBW= 3MHz for f □ 1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent vMere T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.  Test mode: Refer to section 4.1 for details  Test results: PASS  Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Reading level (dBµV) + Corr. Factor (dB) Limit (dBµV) = Limit stated in standard Margin (dB) = Level (dBµV) - Limits (dBµV)  WSLT  WSLT	WSIT	WSIT	(1) Span shall wide enough to fully capture the	
Sweep = auto; Detector function = peak; Trace = max hold;  (3) Set RBW = 1 MHz, VBW= 3MHz for f □ 1 GHz for peak measurement.  For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, 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 power control level for the tested mode of operation.  Test mode: Refer to section 4.1 for details  Test results: PASS  Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Reading level (dBµV) + Corr. Factor (dB) Limit (dBµV) = Limit stade in standard Margin (dB) = Level (dBµV) – Limits (dBµV)			emission being measured;	$\overline{}$
max hold;  (3) Set RBW = 1 MHz, VBW= 3MHz for f □ 1 GHz for peak measurement.  For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, 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 power control level for the tested mode of operation.  Test mode: Refer to section 4.1 for details  Test results: PASS  Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Reading level (dBµV) + Corr. Factor (dB) Limit (dBµV) = Limit stated in standard Margin (dB) = Level (dBµV) – Limits (dBµV)		$\times$	(2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW;	X
(3) Set RBW = 1 MHz, VBW= 3MHz for f □ 1 GHz for peak measurement.  For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, 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 power control level for the tested mode of operation.  Test mode: Refer to section 4.1 for details  Test results: PASS  W517  Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Lemit stated in standard Margin (dB) = Level (dBµV) – Limits (dBµV)  W517  W517			Sweep = auto; Detector function = peak; Trace =	
for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, 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 power control level for the tested mode of operation.  Test mode:  Refer to section 4.1 for details  Test results:  PASS  Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Lemit stated in standard Margin (dB) = Level (dBµV) – Limits (dBµV)  MSST  WSST  WSST  WSST  WSST  WSST  WSST		WSET WSE	max hold; 5_7 / W5_7	W5ET"
For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, 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 power control level for the tested mode of operation.  Test mode:  Refer to section 4.1 for details  Test results:  PASS  Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Reading level (dBµV) + Corr. Factor (dB) Limit (dBµV) = Limit stated in standard Margin (dB) = Level (dBµV) – Limits (dBµV)	\ /		(3) Set RBW = 1 MHz, VBW= 3MHz for f □ 1 GHz	
duty cycle is no less than 98 percent. VBW ≥ 1/T, 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 power control level for the tested mode of operation.  Test mode: Refer to section 4.1 for details  Test results: PASS  Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Reading level (dBµV) + Corr. Factor (dB) Limit (dBµV) = Limit stated in standard Margin (dB) = Level (dBµV) - Limits (dBµV)	X	X		
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 power control level for the tested mode of operation.  Test mode:  Refer to section 4.1 for details  Test results:  PASS  Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Reading level (dBµV) + Corr. Factor (dB) Limit (dBµV) = Limit stated in standard Margin (dB) = Level (dBµV) - Limits (dBµV)			For average measurement: VBW = 10 Hz, when	
the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.  Test mode: Refer to section 4.1 for details  Test results: PASS  Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Reading level (dBµV) + Corr. Factor (dB) Limit (dBµV) = Limit stated in standard Margin (dB) = Level (dBµV) - Limits (dBµV)	WSET"	WSET	duty cycle is no less than 98 percent. VBW ≥ 1/T,	
transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.  Test mode:  Refer to section 4.1 for details  Test results:  PASS  Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Reading level (dBµV) + Corr. Factor (dB) Limit (dBµV) = Limit stated in standard Margin (dB) = Level (dBµV) – Limits (dBµV)			when duty cycle is less than 98 percent where T is	
power control level for the tested mode of operation.  Test mode:  Refer to section 4.1 for details  Test results:  PASS  Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Reading level (dBµV) + Corr. Factor (dB) Limit (dBµV) = Limit stated in standard Margin (dB) = Level (dBµV) – Limits (dBµV)			the minimum transmission duration over which the	X
Test mode:  Test results:  PASS  Note: Freq. = Emission frequency in MHz Reading level (dBμV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBμV) = Reading level (dBμV) + Corr. Factor (dB) Limit (dBμV) = Limit stated in standard Margin (dB) = Level (dBμV) – Limits (dBμV)  WSIT  WSIT  WSIT				
Test results:  Note: Freq. = Emission frequency in MHz  Reading level (dBμV) = Receiver reading  Corr. Factor (dB) = Attenuation factor + Cable loss  Level (dBμV) = Reading level (dBμV) + Corr. Factor (dB)  Limit (dBμV) = Limit stated in standard  Margin (dB) = Level (dBμV) – Limits (dBμV)		WSIT WSI	power control level for the tested mode of operation.	WSFT
Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Reading level (dBµV) + Corr. Factor (dB) Limit (dBµV) = Limit stated in standard Margin (dB) = Level (dBµV) – Limits (dBµV)			petrol control of the total industrial of the categories	
Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Reading level (dBµV) + Corr. Factor (dB) Limit (dBµV) = Limit stated in standard Margin (dB) = Level (dBµV) - Limits (dBµV)		Test mode:		
Corr. Factor (dB) = Attenuation factor + Cable loss Level (dBµV) = Reading level (dBµV) + Corr. Factor (dB) Limit (dBµV) = Limit stated in standard Margin (dB) = Level (dBµV) - Limits (dBµV)  W5[T]  W5[T]  W5[T]  W5[T]	$\times$		Refer to section 4.1 for details	
Level (dBμV) = Reading level (dBμV) + Corr. Factor (dB) Limit (dBμV) = Limit stated in standard Margin (dB) = Level (dBμV) – Limits (dBμV)   W5 CT  W5 CT  W5 CT  W5 CT  W5 CT	WSET	Test results:	Refer to section 4.1 for details PASS	
Limit (dBμV) = Limit stated in standard Margin (dB) = Level (dBμV) – Limits (dBμV)  W5.77	WISET	Test results:  Note: Freq. = Emission frequency in MH: Reading level (dBµV) = Receiver reading	Refer to section 4.1 for details  PASS  z W5CT W5CT W5CT	
WSET WSET WSET WSET	WSET	Test results:  Note: Freq. = Emission frequency in MH: Reading level (dBµV) = Receiver reading Corr. Factor (dB) = Attenuation factor + 0	Refer to section 4.1 for details  PASS  z W5 [7] W5 [7]  Cable loss	
	WSET	Test results:  Note: Freq. = Emission frequency in MH. Reading level (dBμV) = Receiver reading Corr. Factor (dB) = Attenuation factor + (Level (dBμV) = Reading level (dBμV) + (Limit (dBμV) = Limit stated in standard	Refer to section 4.1 for details  PASS  z W5CT W5CT  Cable loss Corr. Factor (dB)	X
	WSET	Test results:  Note: Freq. = Emission frequency in MH. Reading level (dBμV) = Receiver reading Corr. Factor (dB) = Attenuation factor + (Level (dBμV) = Reading level (dBμV) + (Limit (dBμV) = Limit stated in standard	Refer to section 4.1 for details  PASS  z W5CT W5CT  Cable loss Corr. Factor (dB)	WSLT
	WSET	Test results:  Note: Freq. = Emission frequency in MH. Reading level (dBμV) = Receiver reading Corr. Factor (dB) = Attenuation factor + (Level (dBμV) = Reading level (dBμV) + (Limit (dBμV) = Limit stated in standard	Refer to section 4.1 for details  PASS  z W5CT W5CT  Cable loss Corr. Factor (dB)	WSET
	WSET	Test results:  Note: Freq. = Emission frequency in MH. Reading level (dBμV) = Receiver reading Corr. Factor (dB) = Attenuation factor + (Level (dBμV) = Reading level (dBμV) + (Limit (dBμV) = Limit stated in standard	Refer to section 4.1 for details  PASS  z W5CT W5CT  Cable loss Corr. Factor (dB)	WSET
WSET WSET WSET WSET	WSET	Test results:  Note: Freq. = Emission frequency in MH. Reading level (dBμV) = Receiver reading Corr. Factor (dB) = Attenuation factor + (Level (dBμV) = Reading level (dBμV) + (Limit (dBμV) = Limit stated in standard	Refer to section 4.1 for details  PASS  z W5CT W5CT  Cable loss Corr. Factor (dB)	WSET
WSET WSET WSET WSET		Test results:  Note: Freq. = Emission frequency in MH: Reading level (dBμV) = Receiver reading Corr. Factor (dB) = Attenuation factor + 0 Level (dBμV) = Reading level (dBμV) + 0 Limit (dBμV) = Limit stated in standard Margin (dB) = Level (dBμV) – Limits (dB	Refer to section 4.1 for details  PASS  Z W5 CT	W5ET
WSET WSET WSET WSET		Test results:  Note: Freq. = Emission frequency in MH: Reading level (dBμV) = Receiver reading Corr. Factor (dB) = Attenuation factor + 0 Level (dBμV) = Reading level (dBμV) + 0 Limit (dBμV) = Limit stated in standard Margin (dB) = Level (dBμV) – Limits (dB	Refer to section 4.1 for details  PASS  Z W5 CT	WSET
Wall Wall		Test results:  Note: Freq. = Emission frequency in MH: Reading level (dBμV) = Receiver reading Corr. Factor (dB) = Attenuation factor + 0 Level (dBμV) = Reading level (dBμV) + 0 Limit (dBμV) = Limit stated in standard Margin (dB) = Level (dBμV) – Limits (dB	Refer to section 4.1 for details  PASS  Z W5 CT	W.S.C.T
$\times$		Test results:  Note: Freq. = Emission frequency in MH: Reading level (dBμV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cevel (dBμV) = Reading level (dBμV) + Cevel (dBμV) = Limit stated in standard Margin (dB) = Level (dBμV) – Limits (dBμV) – Limits (dBμV)	Refer to section 4.1 for details  PASS  z W5CT W5CT  Gable loss Corr. Factor (dB)  W5CT W5CT  W5CT  W5CT  W5CT  W5CT  W5CT	WSET
		Test results:  Note: Freq. = Emission frequency in MH: Reading level (dBμV) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cevel (dBμV) = Reading level (dBμV) + Cevel (dBμV) = Limit stated in standard Margin (dB) = Level (dBμV) – Limits (dBμV) – Limits (dBμV)	Refer to section 4.1 for details  PASS  z W5CT W5CT  Gable loss Corr. Factor (dB)  W5CT W5CT  W5CT  W5CT  W5CT  W5CT  W5CT	WSET

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WSET







For Question

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#### 6.8.2. Test Data

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Please refer to following diagram for individual

Below 1GHz



No	o. M	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	u)
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
	1 *	31.3992	27.47	4.26	31.73	40.00	-8.27	QP
	2/	54.2610	25.51	-5.53	19.98	40.00	-20.02	QP
1	3	113.7143	24.28	-2.23	22.05	43.50	-21.45	QP
7	4	183.8440	40.69	-7.09	33.60	43.50	-9.90	QP
Z.	5	340.7817	29.18	-1.72	27.46	46.00	-18.54	QP
	6	1000.000	19.24	7.32	26.56	54.00	-27.44	QP

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ADD:Building A-B Baoshi Science & Technology Park, Baoshi Road, Bao'an District, Shenzhen, Guangdong, China TEL:86-755-26996192 26992306 FAX:86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http://www.wsct-cert.com

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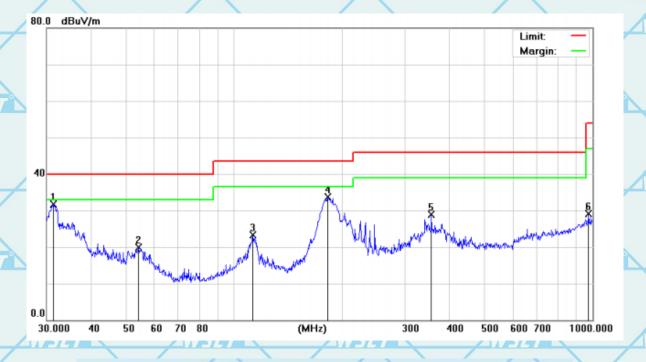


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Vertical:

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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	a L
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	* /	31.3992	27.47	4.26	31.73	40.00	-8.27	QP
2	AT	54.2610	25.51	-5.53	19.98	40.00	-20.02	QP
3		112.9196	25.54	-2.15	23.39	43.50	-20.11	QP
4		182.5592	40.81	-7.07	33.74	43.50	-9.76	QP
5	1	355.4273	30.33	-1.51	28.82	46.00	-17.18	QP
6	(	975.7529	22.13	6.89	29.02	54.00	-24.98	QP

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

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

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WSET WSET W

ADD:Building A-B Baoshi Science & Technology Park, Baoshi Road, Bao'an District, Shenzhen, Guangdong, China TEL:86-755-26996192 26992306 FAX:86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http://www.wsct-cert.com



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Above 1GHz

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	Eroa	Low channel: 2402MHz								
	Freq. (MHz)	Ant.Pol	Emission I	_evel(dBuV)	Limit 3m	(dBuV/m)	Ove	r(dB)		
	(IVITZ)	H/V	PK	AV	PK	AV	PK	AV		
	4804	V	59.22	41.94	74	54	-14.78	-12.06		
	7206	V	58.03	40.60	74	54	-15.97	-13.40		
0	4804	WCTT	59.74	39.08	74	54	-14.26	-14.92		
	7206	H	58.42	39.42	74	54	-15.58	-14.58		

	Eroa	Middle channel: 2440MHz							
	Freq. (MHz)	Ant.Pol	Emission I	_evel(dBuV)	Limit 3m	(dBuV/m)	Ove	r(dB)	
	(IVITIZ)	H/V	PK	AV	PK	AV	PK	AV	
ĺ	4880	V	59.98	40.13	74	54	-14.02	-13.87	
	7320	V	59.57	39.14	74	54	-14.43	-14.86	
	4880	1	58.50	40.17	74	54	-15.50	-13.83	
	7320	W <sub>2</sub> +7	58.02	39.02	74	54	-15.98	-14.98	

	Eroa	High channel: 2480 MHz							
	Freq. (MHz)	Ant.Pol	Emission I	_evel(dBuV)	Limit 3m	(dBuV/m)	Ove	r(dB)	
	(IVI□Z)	H/V	PK	AV	PK	AV	PK	AV	
ĺ	4960	V	60.51	39.18	74	54	-13.49	-14.82	
	7440	V	58.94	40.05	74	54	-15.06	-13.95	
	4960	H	58.23	40.77	74	54	-15.77	-13.23	
١	7440	WST	58.03	39.03	74	54	-15.97	-14.97	

#### Note:

- 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.
- 3. 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.

WSET	WSET	WSET	WSET	WSET	
			X	X	X
W5	TT W	SET W	SET	WSET	WSET
WSET	WSET	WSET	WSET	W5ET*	

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Report No.: WSCT-A2LA-R&E220300004A -LE

#### **Restricted Bands Requirements**

Test result for GFSK Mode (the worst case)

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									. '
	Frequency	Reading	Correct Factor	Emission Level	Limit	Margin	Polar	Detector	
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V		ĺ
		X		Low Cha	nnel	X			×
	2390	62.00	-8.73	53.27	74	20.73	Н	PK	Ļ
9	2390	56.57	-8.73	47.84	54	6.16	1	AV	2
	2390	60.09	-8.73	51.36	74	22.64	V	PK	
	2390	54.36	-8.73	45.63	54	8.37	V	AV	
	WSET		AWSET	High Cha	nnel W5C		AW5	ET .	L
1	2483.5	60.42	-8.17	52.25	74	21.75	H	PK	
	2483.5	53.91	-8.17	45.74	54	8.26	Н	AV	7
3	2483.5	62.15	-8.17	53.98	74	20.02	V	PK	R
	2483.5	54.73	-8.17	46.56	54	7.44	V	AV	1

WSET	WSET	WSET	WSET	W5ET
	$\times$	SET WS		
WSET	WSET	WSET	WSCT	WSET
	$\times$	NIST WIS	$\langle \hspace{0.1cm} \rangle$	
WSET	WSET	WSET	WSCT	WSET
		STATE WIS		
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Page 36 of 36

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