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TEST REPORT

FESTING

NVLAP LAB CODE 600142-0

FCC ID: 2AIZN-X624 Product: Mobile Phone Model No.: X624 Additional Model No.: N/A Trade Mark: Infinix Report No.: FCC18110005A-BLE Issued Date: Nov. 17, 2018

Issued for:

INFINIX MOBILITY LIMITED RMS 05-15, 13A/F SOUTH TOWER WORLD FINANCE CTR HARBOUR CITY 17 CANTON RD TST KLN HONG KONG

Issued By:

World Standardization Certification & Testing Group Co., Ltd. Building A-B, Baoshi Science & Technology Park, Baoshi Road, and 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 Co₀, Ltd. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

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1. GENERAL INFORMATION

Product:	Mobile Phone WSCT WSCT
Model No.:	X624
Additional Model:	N/A
Applicant:	INFINIX MOBILITY LIMITED
Address:	RMS 05-15, 13A/F SOUTH TOWER WORLD FINANCE CTR HARBOUR CITY 17 CANTON RD TST KLN HONG KONG
Manufacturer:	SHENZHEN TECNO TECHNOLOGY CO., LTD.
Address:	1/F-4/F,7/F, BUILDING 3, TAIPINGYANG INDUSTRIAL ZONE, NO.2088,
	SHENYAN ROAD, YANTIAN DISTRICT, SHENZHEN CITY, GUANGDONG PROVINCE, P.R.C
Data of receipt:	Nov. 02, 2018
Date of Test:	Nov. 03, 2018 to Nov. 15, 2018
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
	Model No.: Additional Model: Applicant: Address: Manufacturer: Address: Data of receipt: Date of Test: Applicable

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The above equipment has been tested by World Standardization Certification & Testing Group 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:	Pu Shixi	Date:	Nov. 17, 2018	
	(Pu Shixi)			
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Check By:	Qin Shuiguan	Date:	Nov. 1). 2018	in the second se
	(Qin Shuiquan)			
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Approved By:	ATTA	Date:	NoV. 17,000	A S OHOM * PITO
	(Wang Fengbing)			
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世标检测认证 The stion Certification & festing Group Co	TEL.00 7EE 00000440/00000444/0	ience & technology Park, 6996145/26996192 FAX:86-755	Baoshi Road, Bao'an District, S 5-86376605 E-mail:Fengbing.Wang@ws	Shenzhen, Guangdong, China sct-cert.com Http:www.wsct-cert.com

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GENERAL DESCRIPTION OF FUIT

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4	2. GENER	RAL DESCRIPTION OF EUT	
/	Equipment Type:	Mobile Phone	4 W5LT 1
$\langle \rangle$		X624	
	Additional Model:	N/AT WSET WSET	
	Trade Mark:	Infinix	\searrow
		INFINIX MOBILITY LIMITED	\land
	Address:	RMS 05-15, 13A/F SOUTH TOWER WORLD FINANCE CTR HARBOUR CITY 17 CANTON RD TST KLN HONG KONG	WSET
1	Manufacturer:	SHENZHEN TECNO TECHNOLOGY CO.,LTD.	
СТ	Address:	1/F-4/F,7/F, BUILDING 3, TAIPINGYANG INDUSTRIAL ZONE, NO.2088, SHENYAN ROAD, YANTIAN DISTRICT, SHENZHEN CITY, GUANGDONG PROVINCE, P.R.C	
	version:	V2.0	\times
		X624-H8026CDE-GO-181024V73	WSET
<	Extreme Temp. Tolerance:		
	Battery information:	Li-Polymer Battery : BL-39KX Voltage: 3.85V Rated Capacity: 3900mAh/12.92Wh Typical Capacity: 4000mAh/13.30Wh Limited Charge Voltage: 4.35V	\times
/	Adapter	Adapter: CU-52JT Input: AC 100-240V 50/60Hz 200mA Output: DC 5.0V1.2A	WSET
	Operating Frequency:	2402-2480MHz	
	Channels:	40	
	Spacing:	2MHz	X
	Modulation Type:	GFSK WSET WSET	W5ET°
\langle	Antenna Type:	Integral Antenna	
ET	0	1.26dBi	

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Facilities and Accreditations 3.

www.wsct-cert.com 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 Co., Ltd

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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."

Registration Number: 366353

3.1. ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

USA	NVLAP (The certificate registration number is NVLAP LAB CODE:600142-0)
Japan	VCCI (The certificate registration number is C-4790, R-3684, G-837)
Canada	INDUSTRY CANADA
	(The certificated registration number is 7700A-1)

AWSET 1 China CNAS (The certificated registration number is L3732) Copies of granted accreditation certificates are available for downloading from our web site,

http://www.wsct-cert.com

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3.2. TEST DESCRIPTION

3.2.1. 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 % \circ

	A111		A MARTIN O	MEET
_	No.	Item	Uncertainty	
X	1	Conducted Emission Test	±3.2dB	
	2	RF power,conducted	±0.16dB	
5 <i>Ľ</i>	3	Spurious emissions, conducted	±0.21dB W5CT	
	4	All emissions,radiated(<1G)	±4.7dB	
	5	All emissions,radiated(>1G)	±4.7dB	\sim
	6 W	Temperature W5CT	±0.5°C/5/7	WSET
	7	Humidity	±2%	
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3.2.2. DESCRIPTION OF TEST MODES

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	
Mode 1	СН00	
Mode 2	SCT WSCCH20 WSCT	W5
Mode 3	CH39	
Mode 4	Normal	X

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 For Conducted Emission

 Final Test Mode
 Description

 Mode 4
 Normal

For Radiated Emission					
Final Test Mode	Description	77			
Mode 1	CH00	6			
Mode 2	CH20				
Mode 3	CH39				
\rightarrow					

Note:

(1) The measurements are performed at the highest, middle, lowest available channels.

(2) Record the worst case of each test item in this report.

(3)When we test it, the duty cycle \ge 98%



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3.2.3. Table of Parameters of Text Software Setting

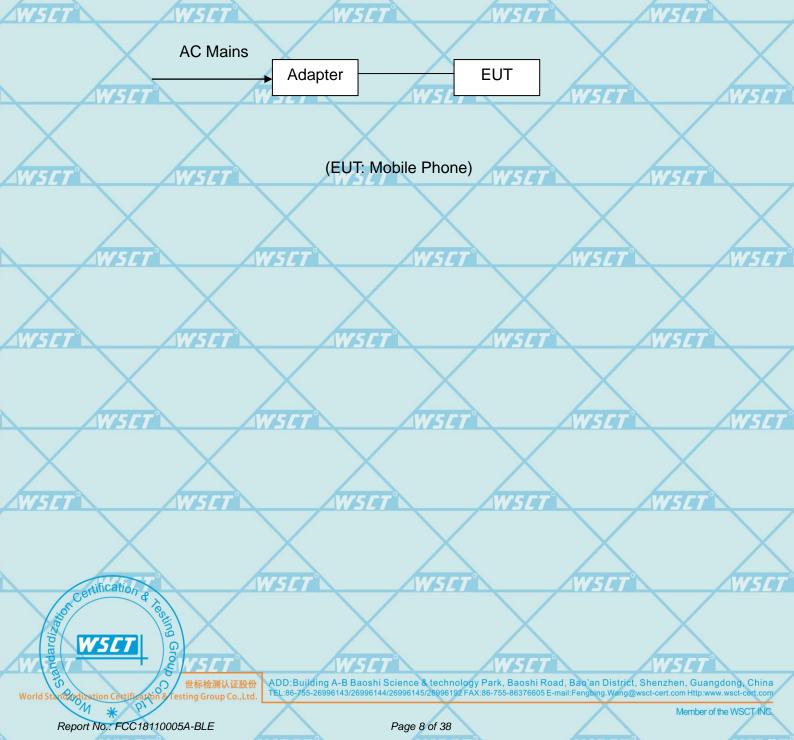
During testing channel & power controlling software provided by the customer was^{www.wsct-cert.com} used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters.

Test software Version	N/A W5C1	- w	ISET	WSET
Frequency	2402 MHz	2440 MHz	2480 MHz	

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Frequency	2402 MHz	2440 MHz	2480 MHz
Parameters(1Mbps)	DEF	DEF	DEF

3.2.4. CONFIGURATION OF SYSTEM UNDER TEST







3.3. DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

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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.

	1					
WSET	Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
	1	Adapter	//	CU-52JT		/
	2	Earphone	× /	N/A		/
	/					

Note:

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- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in ^rLength _a column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".

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SUMMARY OF TEST RESULTS 3.4.

Test procedures according to the technical standards:

FCC Part15 (15.247), Subpart C

	Standard Section	Test Item	Judgment	Remark	7	
	15.203	Antenna Requirement	PASS		\sim	
	15.207	Conducted Emission	PASS		\square	
/	15.209, 15.205, 15.247(d)	Spurious Emission	PASS			
1	15.247(a) (2)	6dB Bandwidth Testing	PASS	X		
.7	15.247(b) (3)	Maximum Peak Output Power	PASS	W51	7	
	15.247(d)	100 KHz Bandwidth of Frequency Band Edge	PASS	X		
	15.247(e)	Maximum Conducted Power Spectral Density	PASS	SET°	WSET	

NOTE:

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(1)" N/A" denotes test is not applicable in this test report.

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4. MEASUREMENT INSTRUMENTS

		Romento				
NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibrati on Due.	W.
EMI Test Receiver	R&S	ESCI	100005	08/19/2018	08/18/2019	
LISN	AFJ	LS16	16010222119	08/19/2018	08/18/2019	
LISN(EUT)	Mestec	AN3016	04/10040	08/19/2018	08/18/2019	7
Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	08/19/2018	08/18/2019	
Coaxial cable	Megalon	LMR400	N/A	08/12/2018	08/11/2019	W.
GPIB cable	Megalon	GPIB	N/A	08/12/2018	08/11/2019	
Spectrum Analyzer	R&S	FSU	100114	08/19/2018	08/18/2019	
Pre Amplifier	H.P.	HP8447E	2945A02715	10/13/2017	10/12/2018	
Pre-Amplifier	CDSI	PAP-1G18-38	/	10/13/2017	10/12/2018	
Bi-log Antenna	SUNOL Sciences	JB3	A021907	09/13/2018	09/12/2019	/
9*6*6 Anechoic	W5LT	W5	77°	08/21/2018	08/20/2019	w
Horn Antenna	COMPLIANCE ENGINEERING	CE18000		09/13/2018	09/12/2019	
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-631	08/23/2018	08/22/2019	
Cable W5	TIME MICROWAVE	LMR-400	N-TYPE04	04/25/2018	04/24/2019	_
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 7	N/A W 5	77 N/A	VN.C.R	N.C.R	W
RF cable	Murata	MXHQ87WA3000		08/21/2018	08/20/2019	
Loop Antenna	EMCO	6502	00042960	08/22/2018	08/21/2019	
Horn Antenna	SCHWARZBECK	BBHA 9170	11235	08/19/2018	08/18/2019	_
Power meter	Anritsu	ML2487A	6K00003613	08/23/2018	08/22/2019	
Power sensor	Anritsu	MX248XD	\	08/19/2018	08/18/2019	/
WSET	WSET	W5		AWSET N		W

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5. ANTENNA REQUIREMENT

5.1. Standard Applicable

According to § 15.203, 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 shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

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- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.2. Antenna Connector Construction

The EUT's antenna integrated on PCB, The antenna's gain is 1.26dBi and meets the requirement.



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6. CONDUCTED EMISSIONS

6.1.1. Applicable Standard

The specification used was with the FCC Part 15.207 limits.

6.1.2. Test Procedure

During the conducted emission test, the EUT was connected to the outlet of the LISN. Maximizing procedure was performed on the six (6) highest emissions of the EUT. All data was recorded in the Quasi-peak and average detection mode.

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6.1.3. Test Conditions

Temperature:	26 °C	
Relative	60%	
Humidity:	A WEFT	a.
ATM Pressure:	100.0kPa	AL.
Voltage	120V/60Hz	

6.1.4. TEST RESULTS WSET

Plot(s) of Test Data is presented hereinafter as reference.

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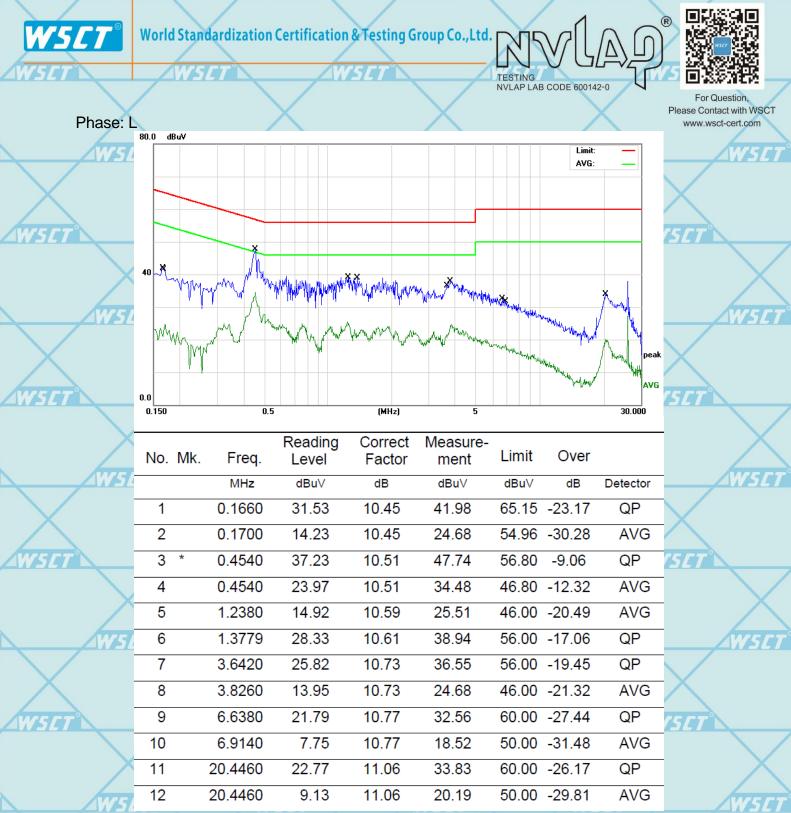
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Remark: All of the Tx modes have been investigated, and only worst mode is presented in this report.

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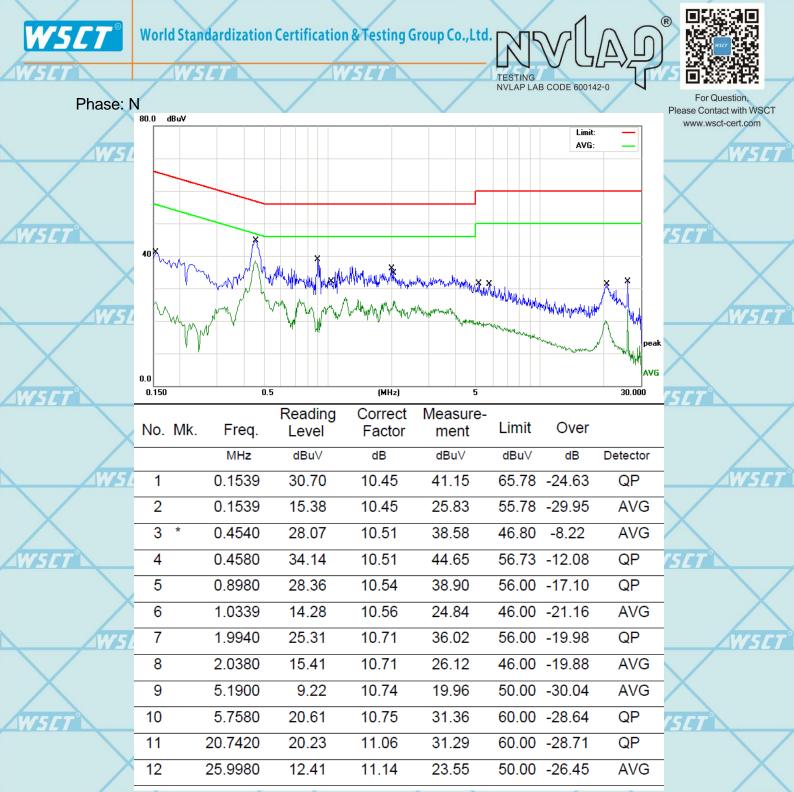
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Remark: All of the Tx modeshave been investigated, and only worst mode is presented in this report.

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7. SPURIOUS EMISSIONS

7.1.1. Test Equipment

Please refer to section 4 this report.

7.1.2. Test Procedure

The out of band emission tests were performed in the 3-meter chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part Subpart C limits.

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- 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. Note:

Both horizontal and vertical antenna polarities were tested And performed pretest to three orthogonal axis. The worst case emissions were reported

7.1.3. Environmental Conditions

Temperature:	26 °C	\sim	
Relative	55%	\wedge	
Humidity:			MARCER
ATM Pressure:	100.0kPa		

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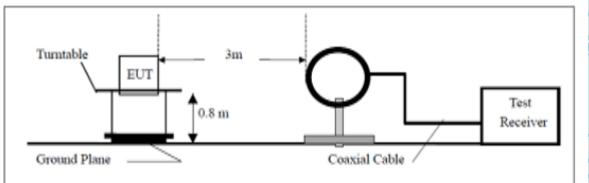
7.1.4. Radiated Test Setup

The system was investigated from 9 KHz to 25 GHz. During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

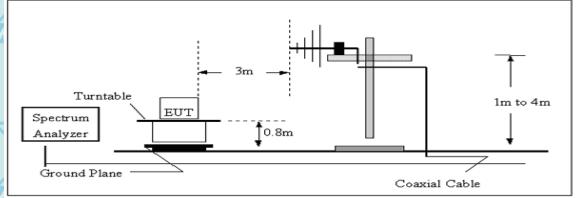
TESTING NVLAP LAB CODE 600142-0

	Frequency Range	RBW	Video B/W	Detector		
7	9KHz-30MHz W5L7	9kHz / // 5 <i>LT</i>	30 kHz	V5CTQP	W5LT	
	30 MHz – 1000 MHz	100 kHz	300 kHz	QP		
	1000 MHz – 25 GHz	1 MHz	3 MHz	PK 🗡		>
	1000 MHz – 25 GHz	1 MHz	10 Hz	Ave	0	4
		WSI		W 57		1175

(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



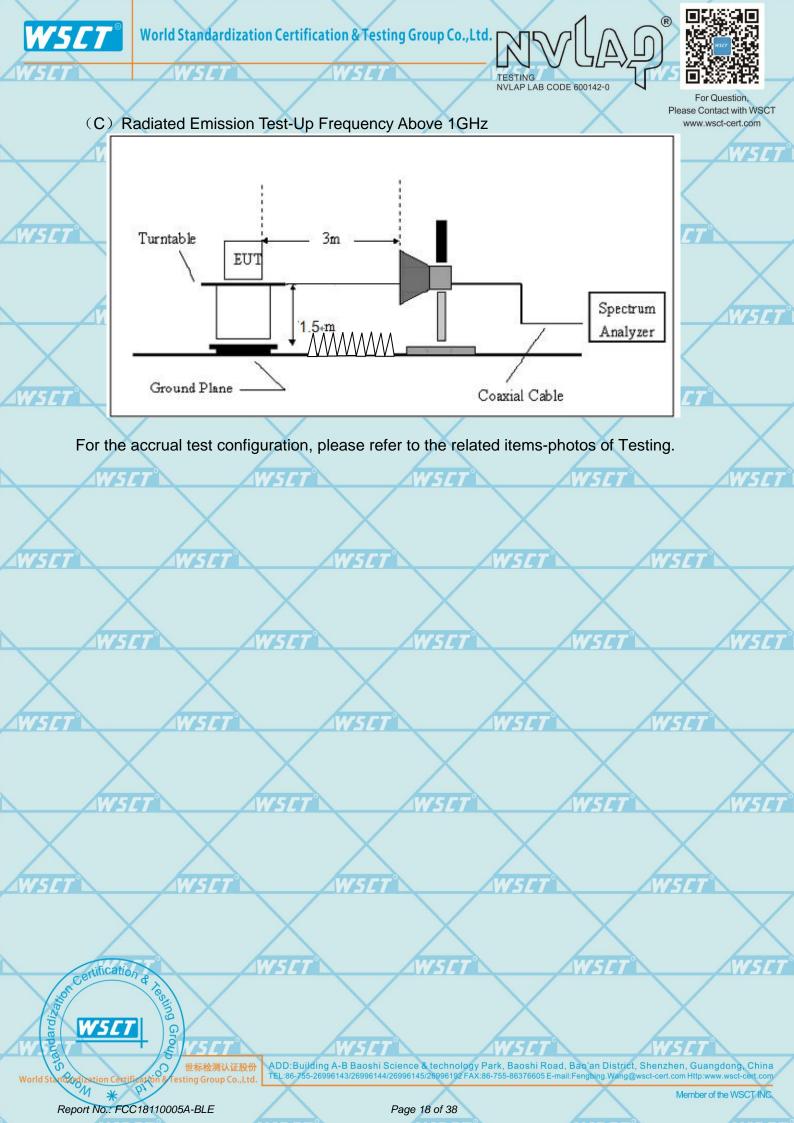
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7.1.5. Radiated Emission Limit

Applicable Standard FCC §15.247 (d); §15.209; §15.205; Radiated Emission Test Result *Test Mode:* Transmitting

	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
7	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

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

7.1.6. Test result:

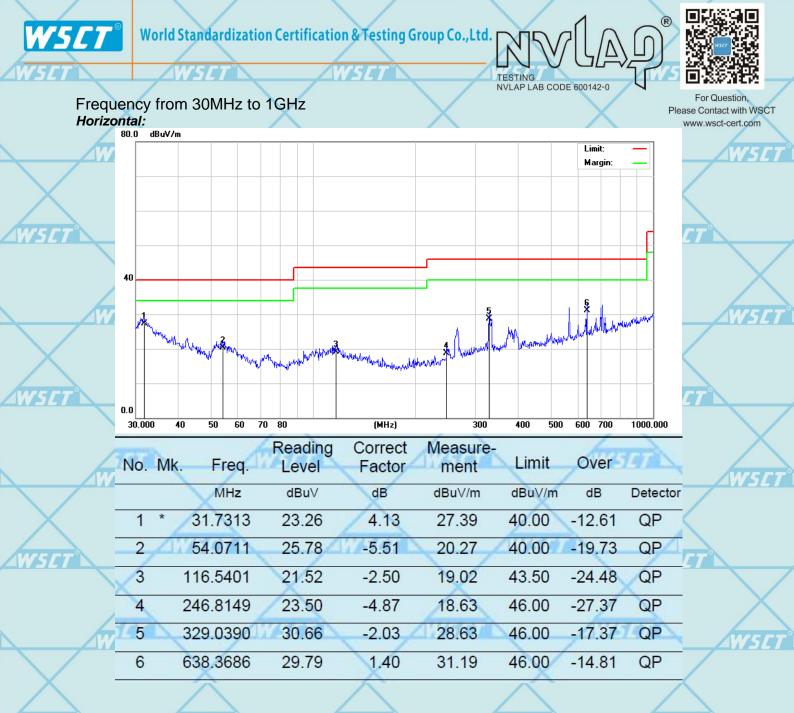
From 9KHz to 30MHz NOTE: 9KHz-30MHz the measurements were greater than 20dB below the limit.

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Remark: All of the TX modes have been investigated, and only worst mode is presented in this report.

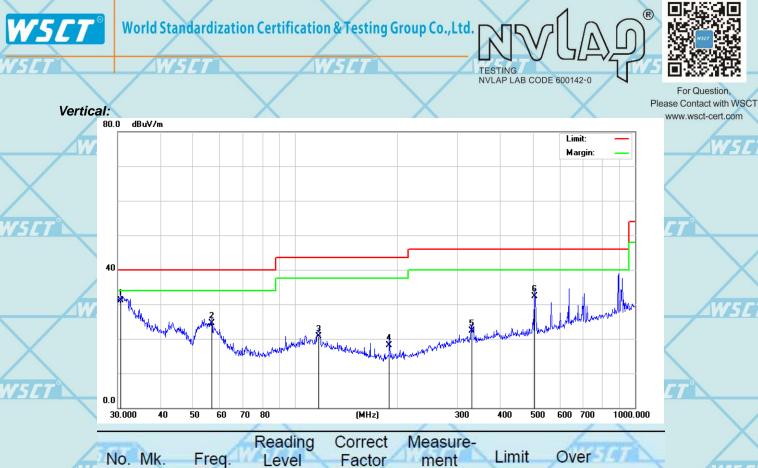


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h	No.	Mk.	Freq.	Level	Factor	ment	Limit	Over	CT X
			MHz	dBu∀	dB	dBuV/m	dBuV/m	dB	Detector
	1	*	30.6379	26.64	4.54	31.18	40.00	-8.82	QP
	2	11	56.7917	30.39	-5.83	24.56	40.00	-15.44	QP
1	3	1	17.3603	23.28	-2.58	20.70	43.50	-22.80	QP
	4	1	189.0743	25.27	-7.18	18.09	43.50	-25.41	QP
w	5	A.	330.1949	24.26	-1.87	22.39	46.00	-23.61	QP
	6	5	506.4791	31.60	0.66	32.26	46.00	-13.74	QP

Remark: All of the TX modes have been investigated, and only worst mode is presented in this report.



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7.1.7. From 1GHz to 25GHz:

0							
Operation	Mode:	Channel	0 N	leasured [Distance:	3m 24	
Frequency	Range:	Above 10	GHz T	emperatur	re :	28° C	
Test Result	:: X	PASS		lumidity :	X	65 %	
Freq.	Ant.Pol	Emission L	_evel(dBuV)			Over	(dB)
(MHz)				3m(dB	uV/m)		
\sim	H/V	PK	AV	PK	AV	PK	AV
4804	V	59.12	39.41	74	54	-14.88	-14.59
7206	V	58.06	39.54	74	54	-15.94	-14.46
4804	H	59.42	40.34	74	54	-14.58	-13.66
7206	<u> </u>	58.84	39.84	74	54	-15.16	-14.16

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

- Note: (1) All Readings are Peak Value and AV.
 - (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.



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For Question

								Please Co	ntact with WSCT
	Operation	Mode:	Chann	el 20 🛛 🛛	Measured [Distance:	3m		sct-cert.com
/	Frequency	Range:	Above	1GHz	Femperatur	e :	28°C		WSF
	Test Resul	t:	PASS		Humidity :		65 %		
Γ	Freq.	Ant.Pol	Emission	Level(dBuV	Limit 3m	dBuV/m)	Over	(dB)	
	(MHz)	$\langle \cdot \rangle$,				
		WH/V	PK	WAV7	PK	AWAVET	PK	ZVAV ET	\mathbf{X}
	4880	V	58.82	40.50	74	54	-15.18	-13.50	
	7320	V	58.60	39.33	74	54	-15.40	-14.67	
	4880	Н	58.47	39.80	74	54	-15.53	-14.20	
	7320	Н	58.83	39.83	74	54	-15.17	-14.17	AUGER
			ANDLI D						

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

Note:

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- (1) All Readings are Peak Value and AV.
- (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.

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Operation Mode:	Channel 39	Measured Distance:	3m www.ws
Frequency Range:	Above 1GHz	Temperature :	28°C
Test Result:	PASS	Humidity :	65 %

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Freq. Ant.Po. Emission Level(dBuV Limit 3m(dBuV/m) Over(dB	\sim	
(MHz) H/V PK WAVT PK AVT PK	AV5 CT	
4960 V 60.22 41.45 74 54 -13.78 -1	2.55	
7440 V 59.94 40.82 74 54 -14.06 -1	3.18	
4960 H 59.14 40.04 74 54 -14.86 -1	3.96	
7440 H 58.15 39.15 74 54 -15.85 -1	4.85	

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

Note:

- (1) All Readings are Peak Value and AV.
- (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.

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8. -6dB BANDWIDTH TESTING

8.1.1. Test Equipment

Please refer to Section 4 this report.

8.1.2. Test Procedure

- 1. Set EUT in the transmitting mode. 15 CI
 - 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
 - 3. Set the spectrum analyzer as RBW=100KHz,VBW≥RBW, Span=3MHz,Sweep=auto.

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- 4. Mark the peak frequency and -6dB(upper and lower)frequency.
- 5. Repeat until all the rest channels are investigated.

Note : The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

8.1.3. Environmental Conditions

Temperature:	26 °C		
Relative	55%	AMERT	hu
Humidity:	WSLI WSLI	WSLT	
ATM Pressure:	100.0kPa	\searrow	/

8.1.4. Applicable Standard

rert.

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

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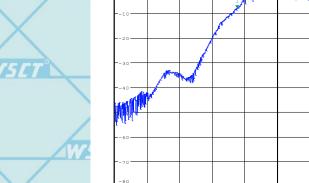
Stop 2.4035 GHz

For Question, Please Contact with WSCT

8.1.5. Test Result: Pass.

	\square	Please refe	r to the following ta	bles	www.wsc	t-cert.com
\searrow	Channel Frequency (MHz)	Data Rate (Mbps)	6dB Bandwidth (MHz)	Limit (kHz)	Ref. Plot	WSCT°
	2402	1	0.734	>500	PLOT 1	
ZWSLT	2440	1/17	0.721	>500	PLOT 2	
	2480	1	0.720	>500	PLOT 3	\sim
			ow Channel			
\mathbf{i}		ef 20 dBm * Att 30	* VBW 300 kHz dB SWT 10 ms 734 Marker	3 [T1] 0.03 dB 000000000 kHz 1 [T1] -8.23 dBm .40163(000 GHz A		
wst		10	Arendon (SGL	WSET	

300 kHz/



2.4005 GHz

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Date: 13.NOV.2018 19:43:13

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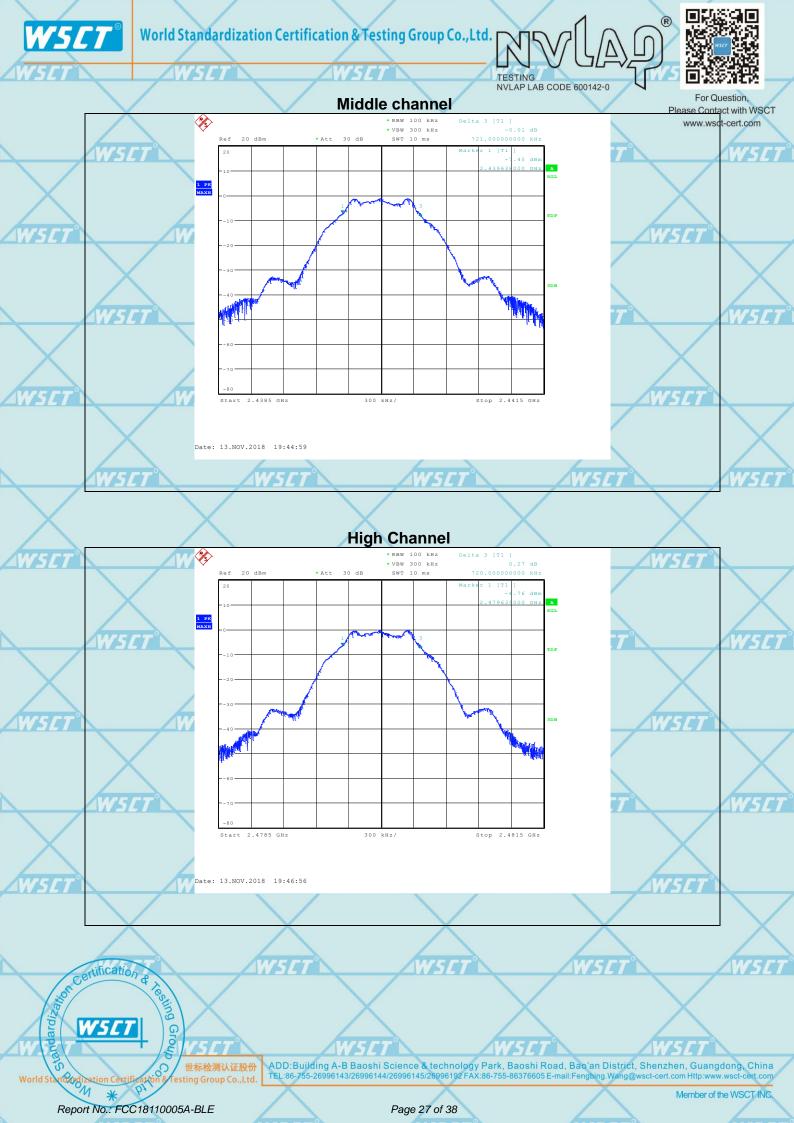
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AWSET°

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9. MAXIMUM PEAK OUTPUT POWER

9.1.1. Test Equipment

Please refer to Section 4 this report.

9.1.2. Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below, W5CT W5CT W5CT

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2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.

- 3. Set the RBW =1MHz, VBW \geq 3RBW, span \geq 1.5*6dbbandwith.
- Sweep time = auto couple, Detector = peak, Trace mode = max hold.
- 4. Record the maximum power from the spectrum analyzer.
- 5. The maximum peak power shall be less 1 Watt (30dBm).
- Note : The EUT was tested according to KDB 558074 for compliance to FCC 47CFR
- 15.247 requirements.

9.1.3. Environmental Conditions

Temperature:	26 °C	WSET	
Relative	55%		
Humidity:		\sim	\checkmark
ATM Pressure:	100.0kPa	\wedge /	

WSET

9.1.4. Applicable Standard

According to §15.247(b) (3), for systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

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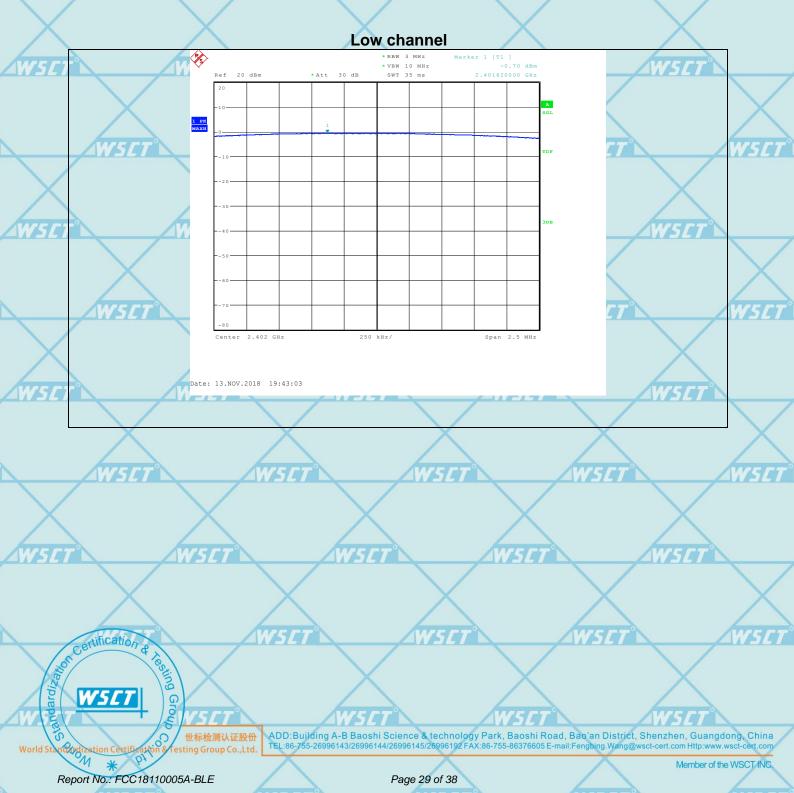
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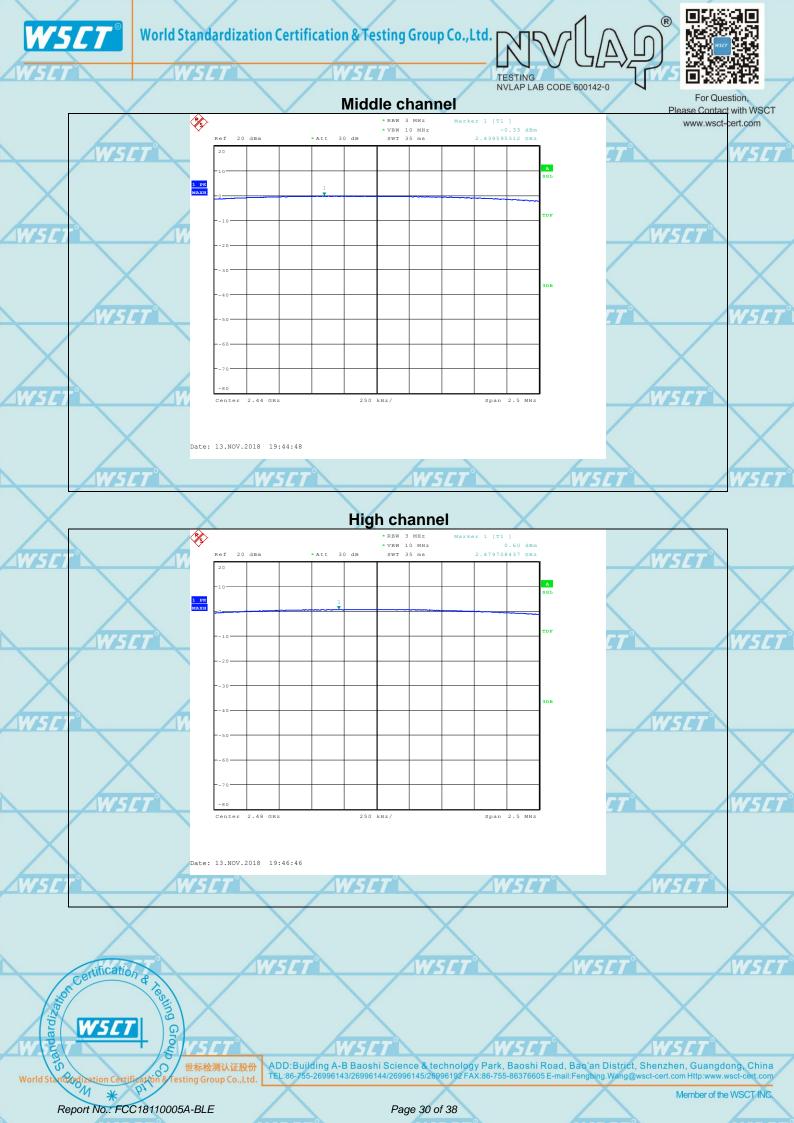
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9.1.5. Test Result

					<u>\</u>	
\mathbf{X}	Channel	Frequency (MHz)	Data Rate (Mbps)	Conducted Power (dBm)	Limit (dBm)	
ZWSET	Low	2402	1	-0.70	30	
	Middle	2440	1	-0.33	30	\times
	High	2480	WSET	0.60	30	WSET
			/			









For Question,

Please Contact with WSCT www.wsct-cert.com

10. 100 kHz Bandwidth of Frequency Band Edge

10.1.1. Test Equipment

Please refer to Section 4 this report.

10.1.2. Test Procedure

The out of band emission tests were performed in the 3-meter chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part Subpart C limits.

10.1.3. Environmental Conditions

Temperature:	26 °C	4
Relative	55% 527	
Humidity:		\backslash
ATM Pressure:	100.0kPa	X

10.1.4. Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).



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Test Result: PASS 10.1.5.

Radiated measurement:

							/						_
\sim	Indicated			Tabla	Antenna		Correction Factor		FCC Part 15.247				
wser	Frequency (MHz)	Receiver Reading (dBµV/m)	result (PK/AV)	Table Angle)egree	Height (m)	Polar (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	
	Low Channel (2402MHz)												
	2390	41.59	AV	225	1.5	V	30.3	4.1	33.1	42.89	54	11.11	
	2390	40.67	AV	90	2	Н	30.3	4.1	33.1	41.97	54	12.03	W5E
	2390	62.05	PK	180	1.5	V	30.3	4.1	33.1	42.89	74	10.65	
\mathbf{X}	2390	62.20	PK	270	2	XH	30.3	4.1	33.1	63.50	74	10.50	
	High Channel (2480MHz)												
<u>AWSET</u>	2483.5	42.10	AV	360	_W	5.67	31	4.4	32.7	44.80	54	9.20	
	2483.5	43.00	AV	90	2	Н	31	4.4	32.7	45.70	54	8.30	
	2483.5	62.50	PK	180	1	V	31	4.4	32.7	65.20	74	8.80	
	2483.5	62.08	PK	225	2	Н	31	4.4	32.7	64.78	74	9.22	wst

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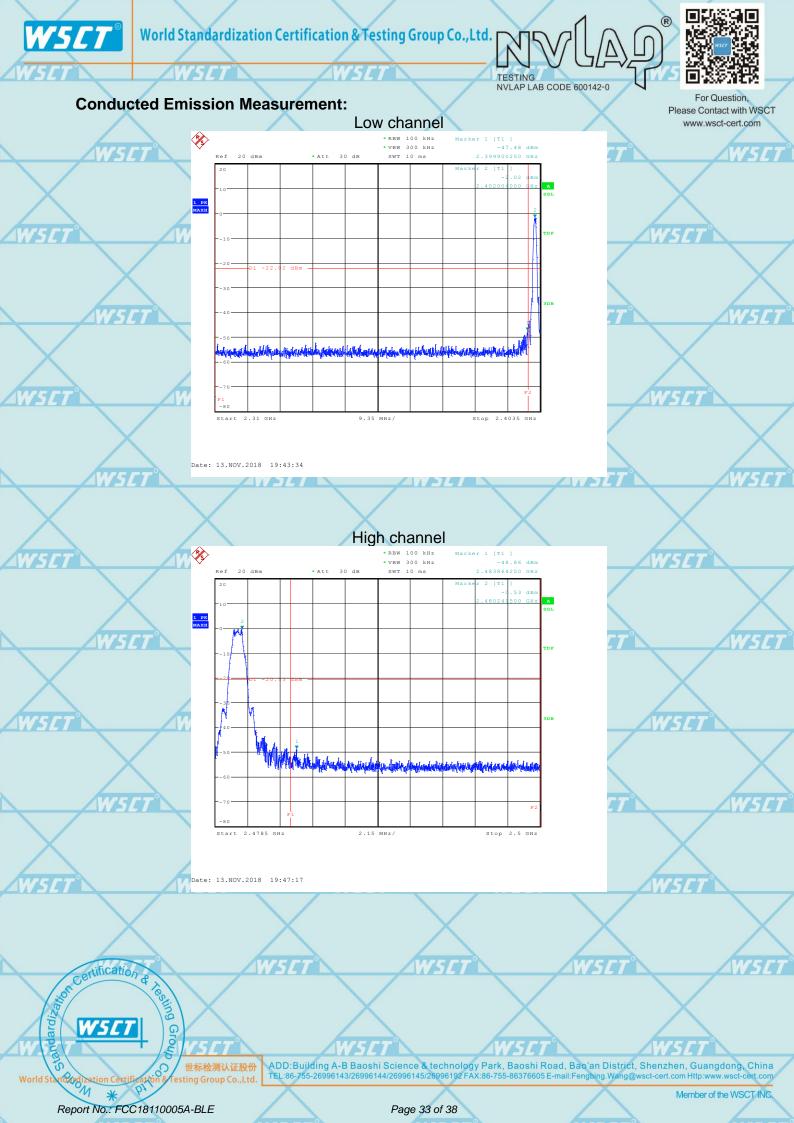
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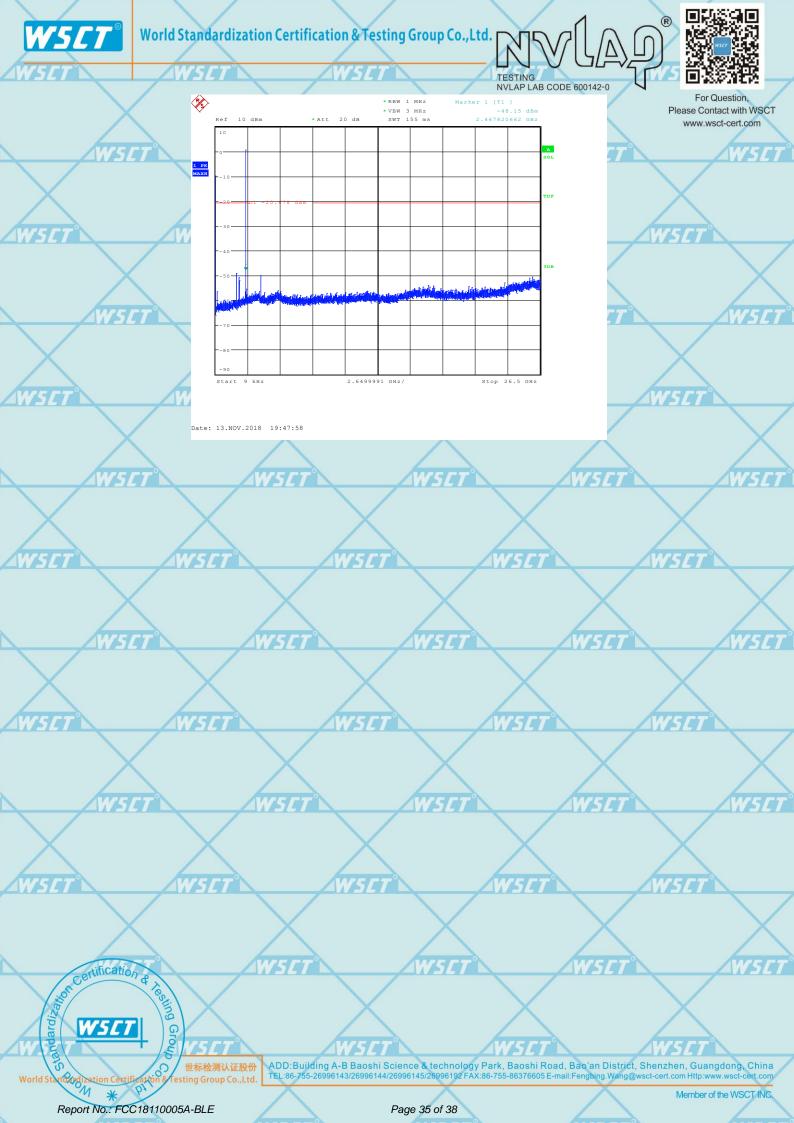
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11. MAXIMUM CONDUCTED POWER SPECTRAL DENSITY

11.1.1. Test Equipment

Please refer to Section 4 this report.

11.1.2. Test Procedure

1, This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance, and is optional if the maximum conducted (average) output power was used to demonstrate compliance.

- 2, Set analyzer center frequency to DTS channel center frequency.
- 3, Set the RBW to:3 kHz ≦ RBW ≦100 kHz, Set the VBW ≧3 RBW, Detector = peak. Sweep time = auto couple
- 4, Trace mode = max hold, Allow trace to fully stabilize.

Note : The EUT was tested according to KDB 558074 for compliance to FCC 47CFR

15.247 requirements.

11.1.3. Environmental Conditions

Temperature:	25 °C527 W527	W5CT [°]
Relative	55%	
Humidity:	X	\mathbf{X} \mathbf{X}
ATM Pressure:	100.0kPa	

11.1.4. Applicable Standard

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

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