TCT 通测检测 TESTING CENTRE TECHNOLOGY

TEST REPORT

FCC ID: 2AM8I-LINBLE

Product: Industrial 4g router

Model No.: T260S

Additional Model No.: T270, T270S, T280, T290, T300, T310, T320, T330, T350, T360, D500, D510, D520, D530, D550, D560, D570, D580, M350, M390, M400, M410, M420, M430, M450, M460, M470

Trade Mark: Linble

Report No.: TCT170731E024

Issued Date: Sep. 08, 2017

Issued for:

Shenzhen Libtor Technology Co., Ltd

Room 608, Building A, Hongshengyuan Industrial Zone, No.339 Bulong Road, Bantian Street Office, Longgang District, Shenzhen, Guangdong, China

Issued By:

Shenzhen Tongce Testing Lab.

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1. Test Certification

Product:	Industrial 4g router
Model No.:	T260S
Additional Model:	T270, T270S, T280, T290, T300, T310, T320, T330, T350, T360, D500, D510, D520, D530, D550, D560, D570, D580, M350, M390, M400, M410, M420, M430, M450, M460, M470
Trade Mark:	**Linble**
Applicant:	Shenzhen Libtor Technology Co., Ltd
Address:	Room 608, Building A, Hongshengyuan Industrial Zone, No.339 Bulong Road, Bantian Street Office, Longgang District, Shenzhen, Guangdong, China
Manufacturer:	Shenzhen Libtor Technology Co., Ltd
Address:	Room 608, Building A, Hongshengyuan Industrial Zone, No.339 Bulong Road, Bantian Street Office, Longgang District, Shenzhen, Guangdong, China
Date of Test:	Aug. 01, 2017 – Sep. 07, 2017
Applicable Standards:	FCC CFR Title 47 Part 2 FCC CFR Title 47 Part24 FCC CFR Title 47 Part27

The above equipment has been tested by Shenzhen Tongce Testing Lab. 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: Garen **Date:** ***Sep. 07, 2017***

Reviewed By: Joe Zhou **Date:** ***Sep. 08, 2017***

Approved By: Tomsin **Date:** ***Sep. 08, 2017***

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2. Test Result Summary

Requirement	CFR 47 Section	Result
Conducted Output Power	§2.1046; §24.232(c); §27.50(h);	PASS
Peak-to-Average Ratio	§24.232(d);	PASS
Effective Radiated Power	§2.1046; §27.50(d)(4);	PASS
Equivalent Isotropic Radiated Power	§2.1046; §27.50(d);	PASS
Occupied Bandwidth	§2.1049; §24.238(b); §27.53(h)(3); §27.53(m)(6);	PASS
Band Edge	§2.1051; §27.53(g); §27.53(g); §24.238(a);	PASS
Conducted Spurious Emission	§2.1051; §27.53(h); §24.238(a);	PASS
Field Strength of Spurious Radiation	§2.1053; §27.53(g) ; §27.53(h); §24.238(a);	PASS
Frequency Stability for Temperature & Voltage	§2.1055;§27.54; §24.235;	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

Product:	Industrial 4g router
Model No.:	T260S
Additional Model No.:	T270, T270S, T280, T290, T300, T310, T320, T330, T350, T360, D500, D510, D520, D530, D550, D560, D570, D580, M350, M390, M400, M410, M420, M430, M450, M460, M470
Trade Mark:	**Linble**
Hardware Version:	T260S_V16
Software Version:	2.2.1.3
Tx Frequency:	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz
Rx Frequency:	LTE Band 2: 1930 MHz ~ 1990 MHz LTE Band 4: 2110 MHz ~ 2155 MHz LTE Band 5: 869 MHz ~ 894 MHz
Bandwidth:	LTE Band 2: 5MHz /10MHz /15MHz / 20MHz LTE Band 4: 5MHz /10MHz /15MHz LTE Band 5: 5MHz /10MHz
Maximum Output Power to Antenna:	LTE Band 2: 24.97dBm LTE Band 4: 24.23dBm LTE Band 5: 25.67dBm
99% Occupied Bandwidth:	LTE Band 2: 17M9W7D LTE Band 4: 13M4G7D LTE Band 5: 8M96G7D
Type of Modulation:	QPSK / 16QAM
Antenna Type:	RP-SMA Antenna (Internal spiral + hole)
Antenna Gain:	LTE band 2: 2.0dBi LTE band 4: 2.5dBi LTE band 5: 2.1dBi
Power Supply:	Adapter Information: MODEL: YCZX-1258 INPUT: 100-240V~50/60Hz, 0.5A OUTPUT: 12V, 1.0A
Remark:	All models above are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement.

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Emission Designator

LTE Band 2	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	4M48G7D	0.3266	4M48W7D	0.3199
10	8M95G7D	0.4864	8M94W7D	0.3681
15	13M41G7D	0.4467	13M41W7D	0.3656
20	17M90G7D	0.4977	17M91W7D	0.3664
LTE Band 4	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	4M48G7D	0.4710	4M48W7D	0.3864
10	8M96G7D	0.4508	8M96W7D	0.3750
15	13M42G7D	0.4256	13M42W7D	0.3597
LTE Band 5	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	4M48G7D	0.5984	4M48W7D	0.3673
10	8M96G7D	0.5702	8M94W7D	0.3945

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4. Genera Information

4.1. Test environment and mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Operation mode:	Keep the EUT in continuous transmitting with modulation
The sample was placed 0.8m 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.	

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Description Operation Frequency

LTE Band 2(5MHz)		LTE Band 2(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
18625	1852.5	18650	1855.0
18626	1852.6	18651	1855.1
….	….	….	….
18899	1879.9	18899	1879.9
18900	1880.0	18900	1880.0
18901	1880.1	18901	1880.1
…	…	…	…
19174	1907.4	19149	1904.9
19175	1907.5	19150	1905.0
LTE Band 2(15MHz)		LTE Band 2(20MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
18675	1857.5	18700	1860.0
18676	1857.6	18701	1860.1
….	….	….	….
18899	1879.9	18899	1879.9
18900	1880.0	18900	1880.0
18901	1880.1	18901	1880.1
…	…	…	…
19124	1902.4	19099	1899.9
19125	1902.5	19100	1900.0

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LTE Band 4(5MHz)		LTE Band 4(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
19975	1712.50	20000	1715.00
19976	1712.60	20001	1715.10
….	….	….	….
20174	1732.40	20174	1732.40
20175	1732.50	20175	1732.50
20176	1732.60	20176	1732.60
…	…	…	…
20374	1752.40	20349	1749.90
20375	1752.50	20350	1750.00
LTE Band 4(15MHz)		LTE Band 4(20MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
20025	1717.50	20050	1720.00
20026	1717.60	20051	1720.10
….	….	….	….
20174	1732.40	20174	1732.40
20175	1732.50	20175	1732.50
20176	1732.60	20176	1732.60
…	…	…	…
20324	1747.40	20299	1744.90
20325	1747.50	20300	1745.00

LTE Band 5(5MHz)		LTE Band 5(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
19975	1712.50	20000	1715.00
19976	1712.60	20001	1715.10
….	….	….	….
20174	1732.40	20174	1732.40
20175	1732.50	20175	1732.50
20176	1732.60	20176	1732.60
…	…	…	…
20374	1752.40	20349	1749.90
20375	1752.50	20350	1750.00

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4.2. Test Mode

All modes and data rates and positions were investigated.
Test modes are chosen to be reported as the worst case configuration below:

Test Mode		
Band	**Radiated TCs**	**Conducted TCs**
LTE Band 2	QPSK Link (5MHz / 10MHz / 15MHz / 20MHz)	16QAM Link (5MHz / 10MHz / 15MHz / 20MHz)
LTE Band 4	QPSK Link (5MHz / 10MHz / 15MHz)	16QAM Link (5MHz / 10MHz / 15MHz /)
LTE Band 5	QPSK Link (5MHz / 10MHz)	16QAM Link (5MHz / 10MHz)

Antenna port conducted and radiated test items were performed according to KDB 971168 D02 Power Meas. License Digital Systems v02r02 with maximum output power. Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	v	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	2	v	v	v	v	v	v	v	v			v	v	v	v
	4	v	v	v	v	v	v	v	v			v	v	v	v
	5	v	v	v	v	v	v	v	v	v	v	v	v	v	v

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Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v		v	v		v
	4	v	v	v	v	v	v	v	v	v		v	v		v
	5	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	2	v	v	v	v	v	v	v	v	v			v	v	v
	4	v	v	v	v	v	v	v	v	v			v	v	v
	5	v	v	v	v	v	v	v	v	v			v	v	v
Frequency Stability	2				v			v	v			v		v	
	4				v			v	v			v		v	
	5				v			v	v			v		v	
E.R.P./ E.I.R.P.	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	2	v						v	v	v			v	v	v
	4	v						v	v	v			v	v	v
	5	v						v	v	v			v	v	v
Note	1. The mark "v " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported.														

4.3. 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.

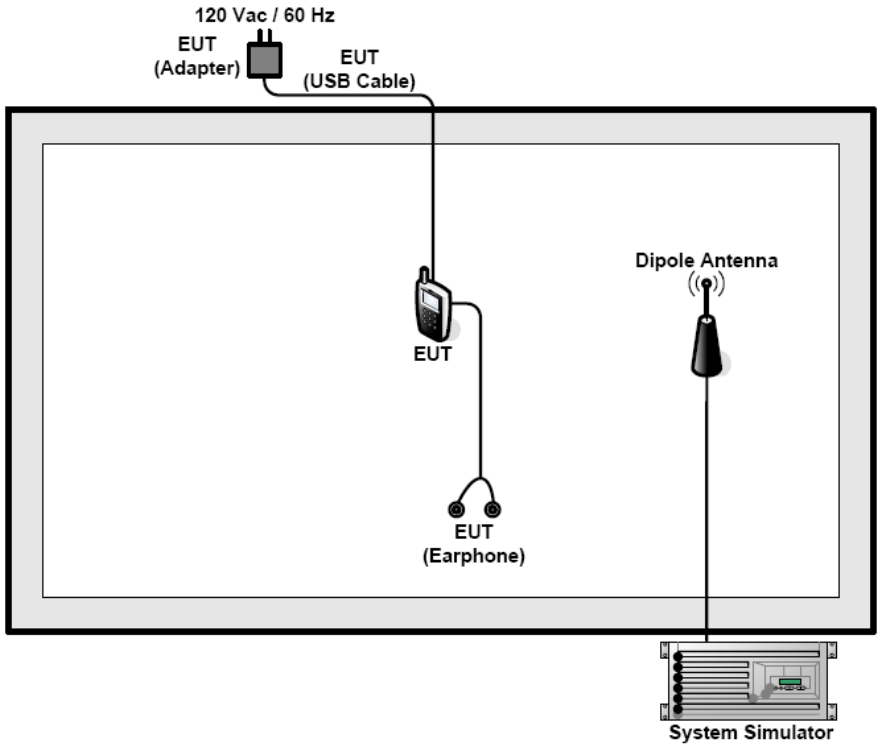
Equipment	Model No.	Serial No.	FCC ID	Trade Name

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.4. Configuration of Tested System



4.5. Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level. The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

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5. Facilities and Accreditations

5.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098

  Shenzhen Tongce Testing Lab.

  The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

  The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

5.2. Location

Shenzhen Tongce Testing Lab

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China

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5.3. Measurement Uncertainty

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

No.	Item	MU
1	Conducted Emission	±2.56dB
2	RF power, conducted	±0.12dB
3	Spurious emissions, conducted	±0.11dB
4	All emissions, radiated(<1G)	±3.92dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
7	Humidity	±1.0%

6. Test Results and Measurement Data

6.1. Conducted Output Power Measurement

6.1.1. Test Specification

Test Requirement:	FCC part 27.50(c), FCC part 27.50(d) and FCC part 27.50(h), FCC part 24.232(c),
Test Method:	FCC part 2.1046
Limits:	LTE Band 2: 2W LTE Band 4: 1W
Test Setup:	
Test Procedure:	1. The transmitter output port was connected to the system simulator. 2. Set EUT at maximum power through system simulator. 3. Select lowest, middle, highest channels for each band and different modulation. 4. Measure and record the power level from the system simulator.
Test Result:	PASS

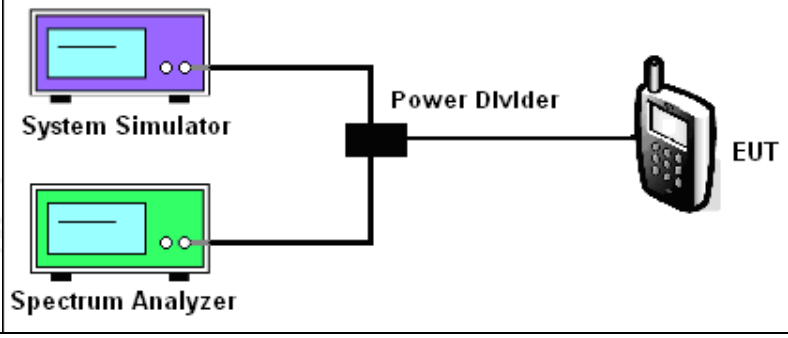
6.1.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jun. 12, 2018
RF cable (9kHz-40GHz)	TCT	RE-05	N/A	Oct. 13, 2017
Antenna Connector	TCT	RFC-02	N/A	Oct. 13, 2017

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

6.2. Peak to Average Ratio

6.2.1. Test Specification

Test Requirement:	FCC part 24.232(d)
Test Method:	FCC KDB 971168 v02r02
Limit:	The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.
Test Setup:	
Test Procedure:	1. The testing follows FCC KDB 971168 v02r02 Section 5.7.1. 2. The EUT was connected to spectrum analyzer and system simulator via a power divider. 3. Set EUT to transmit at maximum output power. 4. Set the CCDF (Complementary Cumulative Distribution Function) option of the spectrum analyzer. Record the maximum PAPR level associated with a probability of 0.1%.
Test Result:	PASS

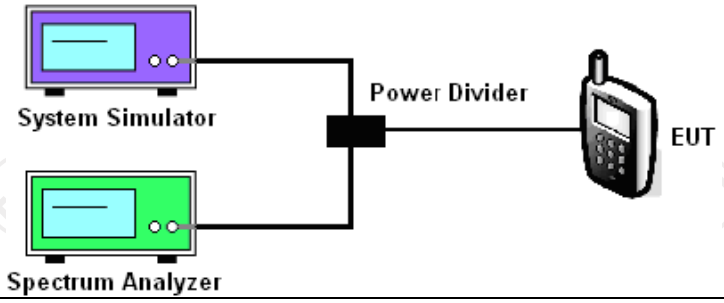
6.2.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jun. 12, 2018
Spectrum Analyzer	Agilent	N9020A	MY49100060	Oct. 13, 2017
RF cable (9kHz-40GHz)	TCT	RE-05	N/A	Oct. 13, 2017
Antenna Connector	TCT	RFC-02	N/A	Oct. 13, 2017

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

6.3. 99% Occupied Bandwidth and 26dB Bandwidth Measurement

6.3.1. Test Specification

Test Requirement:	FCC part 27.53(h)(3) and FCC part 27.53(m)(6), FCC part 24.238(b)
Test Method:	FCC part 2.1049
Limit:	N/A
Test Setup:	
Test Procedure:	1. The testing follows FCC KDB 971168 v02r02 Section 4.2. 2. The EUT was connected to the spectrum analyzer and system simulator via a power divider. 3. The RF output of the EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 4. The 99% occupied bandwidth were measured, set RBW= 1% of OBW, VBW= 3*RBW, sample detector, trace maximum hold. 5. The 26dB bandwidth were measured, set RBW= 1% of EBW, VBW= 3*RBW, peak detector, trace maximum hold.
Test Result:	PASS

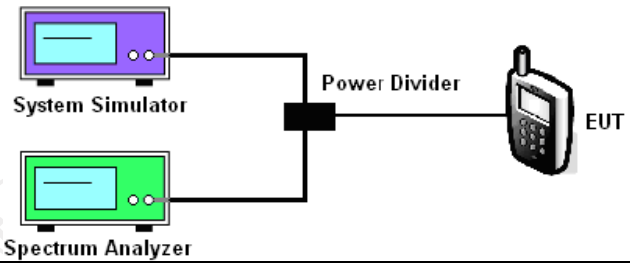
6.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jun. 12, 2018
Spectrum Analyzer	Agilent	N9020A	MY49100060	Oct. 13, 2017
RF cable (9kHz-40GHz)	TCT	RE-05	N/A	Oct. 13, 2017
Antenna Connector	TCT	RFC-02	N/A	Oct. 13, 2017

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

6.4. Band Edge and Conducted Spurious Emission Measurement

6.4.1. Test Specification

Test Requirement:	FCC part 27.53(h), FCC part 27.53(g) , FCC part 27.53(m)(4), FCC part 24.238(a)
Test Method:	FCC part2.1051
Limit:	-13dBm
Test Setup:	
Test Procedure:	1. The testing follows FCC KDB 971168 v02r02 Section 6.0. 2. The EUT was connected to the spectrum analyzer and system simulator via a power divider. 3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement. 4. The band edges of low and high channels for the highest RF powers were measured. 5. The conducted spurious emission for the whole frequency range was taken. 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 7. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts) = P(W) - [43 + 10log(P)] (dB) = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm. For Band 17, he limit line is derived from 55 + 10log(P) dB below the transmitter power
Test Result:	PASS

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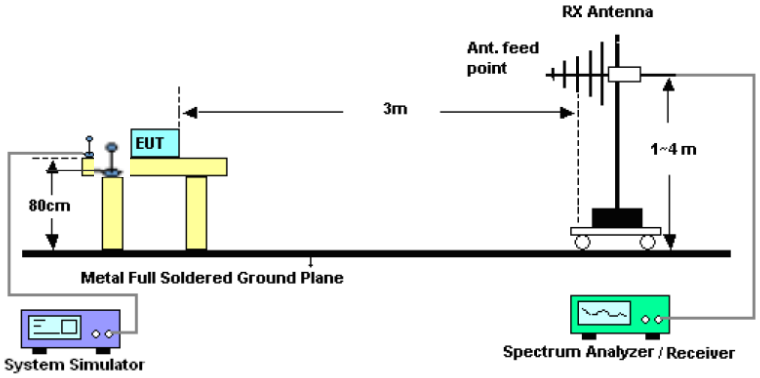
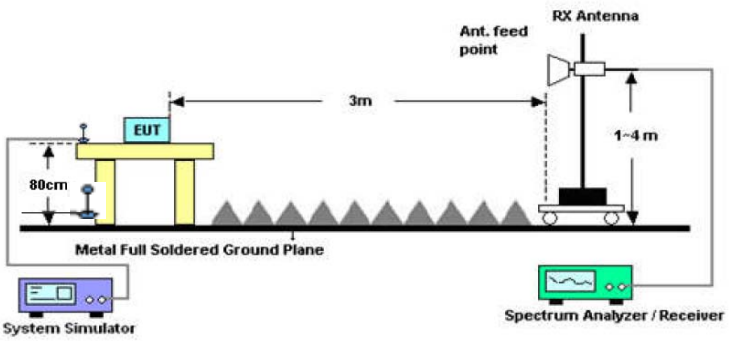
6.4.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jun. 12, 2018
Spectrum Analyzer	Agilent	N9020A	MY49100060	Oct. 13, 2017
RF cable (9kHz-40GHz)	TCT	RE-05	N/A	Oct. 13, 2017
Antenna Connector	TCT	RFC-02	N/A	Oct. 13, 2017

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

6.5. Field Strength of Spurious Radiation Measurement

6.5.1. Test Specification

Test Requirement:	FCC part 27.53(g) ,FCC part 27.53(h), FCC part 27.53(m)(4), FCC part 24.238(b)
Test Method:	FCC part 2.1053
Limit:	30MHz~20GHz -13dBm
Test setup:	From 30MHz to 1GHz  Above 1GHz 
Test Procedure:	1. The testing follows FCC KDB 971168 v02r02 Section 5.8 and ANSI / TIA-603-D-2010Section 2.2.12. 2. The EUT was placed on a rotatable wooden table 0.8 meters above the ground. 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower. 4. The table was rotated 360 degrees to determine the position of the highest spurious emission. 5. The height of the receiving antenna is varied between one meter and four meters to search for the maximum spurious emission for both horizontal and vertical polarizations.

	6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of maximum spurious emission. 7. A horn antenna was substituted in place of the EUT and was driven by a signal generator. 8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission. 9. Taking the record of output power at antenna port. 10. Repeat step 7 to step 8 for another polarization. 11. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain 12. ERP (dBm) = EIRP - 2.15 13. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 14. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts) = P(W) - [43 + 10log(P)] (dB) = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm. For Band 17, he limit line is derived from 55 + 10log(P) dB below the transmitter power
Test results:	PASS

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6.5.2. Test Instruments

Radiated Emission Test Site (966)				
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
System simulator	R&S	CMU200	111382	Oct. 13, 2017
Spectrum Analyzer	ROHDE&SCHWARZ	R&S	FSQ	Oct. 13, 2017
Signal Generator	HP	83623B	3614A00396	Oct. 13, 2017
Broadband Antenna	Schwarzbeck	VULB9163	340	Oct. 13, 2017
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Oct. 13, 2017
Broadband Antenna	Schwarzbeck	VULB9163	412	Oct. 13, 2017
Horn Antenna	Schwarzbeck	BBHA 9120D	1201	Mar. 05, 2018
Horn Antenna	Schwarzbeck	BBH 9170	582	Jun. 07, 2018
Dipole Antenna	TCT	TCT-RF	N/A	Oct. 13, 2017
Coax cable (9kHz-1GHz)	TCT	RE-low-01	N/A	Oct. 13, 2017
Coax cable (9kHz-40GHz)	TCT	RE-high-02	N/A	Oct. 13, 2017
Coax cable (9kHz-1GHz)	TCT	RE-low-03	N/A	Oct. 13, 2017
Coax cable (9kHz-40GHz)	TCT	RE-High-04	N/A	Oct. 13, 2017
Antenna Mast	Keleto	CC-A-4M	N/A	N/A
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

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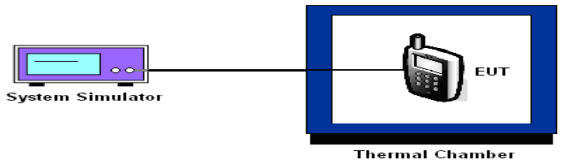
6.6. Frequency Stability Measurement

6.6.1. Test Specification

Test Requirement:	FCC part 27.54, FCC part 24.235
Test Method:	FCC Part 2.1055
Limit:	±2.5 ppm
Test Setup:	
Test Procedure:	**Test Procedures for Temperature Variation** 1. The testing follows FCC KDB 971168 v02r02 Section 9.0. 2. The EUT was set up in the thermal chamber and connected with the system simulator. 3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute. 4. With power OFF, the temperature was raised in 10°C steps up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute. **Test Procedures for Voltage Variation** 1. The testing follows FCC KDB 971168 v02r02 Section 9.0. 2. The EUT was placed in a temperature chamber at 25±5° C and connected with the system simulator. 3. The power supply voltage to the EUT was varied from BEP to 115% of the nominal value measured at the input to the EUT. 4. The variation in frequency was measured for the worst case.
Test Result:	PASS

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6.6.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jun. 12, 2018
Programable tempratuce and humidity chamber	JQ	JQ-2000	N/A	Oct. 13, 2017
DC power supply	Kingrang	KR3005K 30V/5A	N/A	Oct. 13, 2017
RF cable (9kHz-40GHz)	TCT	RE-04	N/A	Oct. 13, 2017
Antenna Connector	TCT	RFC-03	N/A	Oct. 13, 2017

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

Appendix A: Photographs of Test Setup

Refer to the test report No. TCT170731E023

Appendix B: Photographs of EUT

Refer to the test report No. TCT170731E018

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

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