

TEST REPORT

FCC ID: 2AMY3-ACERT8129L

Product: Tablet PC

Model No.: Acer One 10 T8-129L

Additional Model No.: Acer_One_10_T8-129L

Trade Mark: Acer

Report No.: TCT200622E068

Issued Date: Jul. 28, 2020

Issued for:

Acer India Pvt Ltd.

Embassy Heights 6th Floor, No.13, Magrath Road, (Next to Hosmat Hospital)
Bangalore, 560025 India

Issued By:

Shenzhen Tongce Testing Lab.

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1. Test Certification

Report No.: TCT200622E068

Product:	Tablet PC
Model No.:	Acer One 10 T8-129L
Additional Model No.:	Acer_One_10_T8-129L
Trade Mark:	Acer
Applicant:	Acer India Pvt Ltd.
Address:	Embassy Heights 6th Floor, No.13, Magrath Road, (Next to Hosmat Hospital) Bangalore, 560025 India
Manufacturer:	HUNAN GREATWALL COMPUTER SYSTEM CO., LTD
Address:	HUNAN GREATWALL INDUSTRIAL PARK, TIANYI SCIENCE AND TECHNOLOGY CITY, XIANGYUN MIDDLE ROAD, TIANYUAN DISTRICT, ZHUZHOU, HUNAN PROVINCE, CHINA
Date of Test:	Jun. 23, 2020 – Jul. 27, 2020
Applicable Standards:	FCC CFR Title 47 Part 2 FCC CFR Title 47 Part22 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:	Brens Xu	Date:	Jul. 27, 2020
_	Brews Xu		
Reviewed By:	Bery zharo	Date:	Jul. 28, 2020
	Beryl Zhao		
Approved By:	Jomsm	Date:	Jul. 28, 2020



2. Test Result Summary

Requirement	CFR 47 Section	Result
Conducted Output Power	§2.1046; §22.913; §24.232(c); §27.50(d); §27.50(c); §27.50(b);	PASS
Peak-to-Average Ratio	§2.1046; §24.232(d) §27.50(d); §27.50(c); §27.50(b);	PASS
Effective Radiated Power	§2.1046; §22.913; §24.232(c); §27.50(d); §27.50(c); §27.50(b);	PASS
Equivalent Isotropic Radiated Power	§2.1046; §22.913; §24.232(c); §27.50(d); §27.50(c); §27.50(b);	PASS
Occupied Bandwidth	§2.1049; §24.238(b); §27.53;	PASS
Band Edge	§2.1051; §22.917(a); §27.53(h); §27.53(c); §27.53(g); §24.238(a);	PASS
Conducted Spurious Emission	§2.1051; §22.917(a); §27.53(h); §27.53(g); §27.53(c); §24.238(a);	PASS
Field Strength of Spurious Radiation	§2.1053; §22.917(a); §27.53(g) ; §27.53(c); §27.53(h); §24.238(a);	PASS
Frequency Stability for Temperature & Voltage	§2.1055;§22.355; §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.



. EUT Description

Product:	Tablet PC
Model No.:	Acer One 10 T8-129L
Additional Model No.:	Acer_One_10_T8-129L
Trade Mark:	Acer
Tx Frequency:	LTE Band 5: 824 MHz ~ 849 MHz LTE Band 41: 2555 MHz ~ 2655 MHz
Additional Model No.: Trade Mark: Acer Tx Frequency: Rx Frequency: Bandwidth: Maximum Output Power to Antenna: Type of Modulation: Antenna Type: Antenna Gain: ACEr_One_10_T8 Acer LTE Band 5: 824 LTE Band 41: 25 LTE Band 5: 869 LTE Band 5: 1.4P LTE Band 5: 1.4P LTE Band 41: 5N LTE Band 41: 5N LTE Band 41: 22 99% Occupied Bandwidth: LTE Band 5: 8M8 LTE Band 4: 1.7 Type of Modulation: Antenna Type: Antenna Gain: Antenna Gain: Acer LTE Band 5: 0.56 LTE Band 5: 0.56 LTE Band 4: 1.7 Power Supply: Acadapter: Adapter Informat MODEL: JK0502 INPUT: AC 100-2 OUTPUT: DC 5.6	LTE Band 5: 869 MHz ~ 894 MHz LTE Band 41: 2555 MHz ~ 2655 MHz
Bandwidth:	LTE Band 5: 1.4MHz /3MHz /5MHz /10MHz LTE Band 41: 5MHz /10MHz /15MHz /20MHz
Additional Model No.: Acer_One_10_T8-129L Trade Mark: Acer LTE Band 5: 824 MHz ~ 849 MHz LTE Band 41: 2555 MHz ~ 2655 MHz LTE Band 41: 2555 MHz ~ 2655 MHz LTE Band 5: 869 MHz ~ 894 MHz LTE Band 41: 2555 MHz ~ 2655 MHz LTE Band 41: 2555 MHz ~ 2655 MHz Bandwidth: LTE Band 5: 1.4MHz /3MHz /5MHz /10MHz LTE Band 41: 5MHz /10MHz /15MHz /20MHz Maximum Output Power to Antenna: LTE Band 5: 23.39dBm LTE Band 41: 22.35dBm 99% Occupied Bandwidth: LTE Band 5: 8M95G7D LTE Band 41: 17M9G7D Type of Modulation: QPSK/16QAM Antenna Type: PIFA Antenna LTE Band 5: 0.5dBi LTE Band 41: 1.1dBi Power Supply: Rechargeable Li-ion Battery DC 7.4V Adapter Information: MODEL: JK050200-S37USVU INPUT: AC 100-240V, 50/60Hz, 0.5A OUTPUT: DC 5.0V, 2.0A, 10.0W	
-	
Type of Modulation:	QPSK/16QAM
Antenna Type:	PIFA Antenna
Antenna Gain:	
Rx Frequency: Bandwidth: Maximum Output Power to Antenna: 1	Rechargeable Li-ion Battery DC 7.4V
AC adapter:	MODEL: JK050200-S37USVU INPUT: AC 100-240V, 50/60Hz, 0.5A
Remark:	All models above are identical in interior structure, electrical circuits and components, just model names and memory chip models are different for the marketing requirement.

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.



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Emission Designator

LTE Band 5	C	QPSK	16QAM				
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)			
1.4	1M08G7D	0.245	1M08W7D	0.204			
,		0.241	2M68W7D	0.202			
5	4M47G7D	0.246	4M47W7D	0.200			
10	8M95G7D	0.249	8M94W7D	0.210			
		-					

LTE Band 41	Q	PSK	16Q	AM			
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)			
	4M48G7D	0.208	4M48W7D	0.172			
10	8M95G7D	0.221	8M94W7D	0.183			
15	W(MHz) Emission Designator (99%OBW) Maximum EIRP(W) Emission Designator (99%OBW) Maximum EIRP(W) 5 4M48G7D 0.208 4M48W7D 0.172 10 8M95G7D 0.221 8M94W7D 0.183 15 13M4G7D 0.206 13M4W9D 0.171						
20	17M9G7D	0.220	17M9W7D	0.182			



4. General 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	5(1.4MHz)	7 20415 825.5 5 20525 836.5 3 20635 847.5 LTE Band 5(10MHz) 7 (MHz) Channel Frequency (MHz) 5 20450 829	LTE Band 5(3MHz)				
Channel	Frequency (MHz)	Channel	Frequency (MHz)				
20407	20407 824.7 20415 20525 836.5 20525 20643 848.3 20635 LTE Band 5(5MHz) LTE Band 5(10)		825.5				
Channel Frequency (MHz) Channel 20407 824.7 20415 20525 836.5 20525 20643 848.3 20635 LTE Band 5(5MHz) LTE B Channel Frequency (MHz) Channel 20425 826.5 20450	20525	836.5					
Ko) Ko)		20635	847.5				
LTE Band	5(5MHz)	LTE Band	l 5(10MHz)				
Channel	Frequency (MHz)	Channel	Frequency (MHz)				
20425	826.5	20450	829				
20525	836.5	20525	836.5				
20625	846.5	20600	844				

41(5MHz)	LTE Band	41(10MHz)
Frequency (MHz)	Channel	Frequency (MHz)
2557.5	40290	2560
40740 2605 41215 2652.5		2605
		2650
1(15MHz)	LTE Band	41(20MHz)
Frequency (MHz)	Channel	Frequency (MHz)
2562.5	40340	2565
2605	40740	2605
2647.5	40140	2645
	Frequency (MHz) 2557.5 2605 2652.5 1(15MHz) Frequency (MHz) 2562.5 2605	Frequency (MHz) 2557.5 40290 2605 40740 2652.5 41190 1(15MHz) LTE Band Frequency (MHz) Channel 2562.5 40340 2605 40740



4.2. Test Mode

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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 5	QPSK Link (1.4MHz / 3MHz / 5MHz / 10MHz)	16QAM Link (1.4MHz / 3MHz / 5MHz / 10MHz)						
LTE Band 41	QPSK Link (5MHz / 10MHz / 15MHz / 20MHz)	16QAM Link (5MHz / 10MHz / 15MHz / 20MHz)						

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Means License Digital Systems v03 with maximum output power. Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.



Test Items	Dand		В	andwic	ith (MH	lz)		Modu	ulation		RB#		Tes	t Char	nnel
	Band	1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	М	Н
Max. Output	5	>	v	v	V		-	v	v	٧	٧	٧	٧	v	v
Power	41	-	-	V	v	v	v	v	v	v	v	v	V	v	v
Peak-to-Average	5	٧	v	v) v	-	-	v	v	v	v	v	v	v	v
Ratio	41	-	-	٧	v	v	v	v	v	v	v	v	V	v	V
26dB and 99%	5	v	v	v	v	-	-	v	v	v	v	v	v	v	٧
Bandwidth	41		-	v	v	V	V	v	v	V	v	v	v	v	
Test Items	D		Bandwidth (MHz)			lz)		Mod	ulation		RB#		Tes	v v v v v v v v v v v v v v v v v v v	nel
rest items	Band	1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	ŀ
	5	v	v	٧	v	-	-	v	V	v	v	v	V	-	\
Conducted Band Edge	41	-	-	\	v	v	v	v	v	v	v	v	V	v	,
Conducted	5	v	v	v	v	-		v	v	v	-	-	v	٧	\
Spurious Emission	41	(j-)	-	v	v	٧	v	v	v	٧	v	v	v	v	,
Frequency	5	٧	-	-	-	-	-	v	v	v	-		v	v	\
Stability	41	-	-	v	-	-	-	v	v	v	-	-	v	٧	\
E.R.P./ E.I.R.P.	5	v	v	٧	v	-	-	v	٧	v	v	v	v	v	\
	41	-	-	٧	v	v	v	v	v	v	v	V	v	v	,
Radiated Spurious	5	v	-	-	-	-	-	v	v	v	-	-	v	v	١
Emission	41		_	v	_			v	v	v		_	v	v	١,

2. The mark "-" means that this bandwidth is not supported.



4.3. Description of Support Units

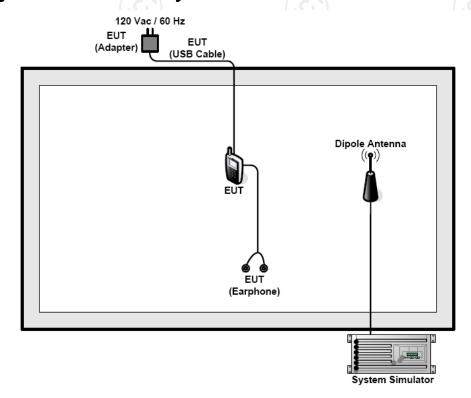
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
1	1	/	1	/

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

TEL: +86-755-27673339

5.3. Measurement Uncertainty

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

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%

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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), FCC part 22.913;
Test Method:	FCC part 2.1046
Limits:	LTE Band 5: 7W LTE Band 41: 2W
Test Setup:	System Simulator
Test Procedure:	 The transmitter output port was connected to the system simulator. Set EUT at maximum power through system simulator. Select lowest, middle, highest channels for each band and different modulation. 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	Jul. 27, 2021
RF cable (9kHz-40GHz)	тст	RE-05	N/A	Sep. 08, 2020
Antenna Connector	тст	RFC-02	N/A	Sep. 08, 2020

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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6.2. Peak to Average Ratio

6.2.1. Test Specification

Test Requirement:	FCC part 2.1046; 22.913; 24.232; 27.50(d);		
	27.50(c); 27.50(b)		
Test Method:	FCC KDB 971168 D01v03		
Limit:	The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.		
Test Setup:	System Simulator FUT Spectrum Analyzer		
Test Procedure:	 The testing follows FCC KDB 971168 D01v03 Section 5.7.1. The EUT was connected to spectrum analyzer and system simulator via a power divider. Set EUT to transmit at maximum output power. 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	Jul. 27, 2021
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 11, 2020
RF cable (9kHz-40GHz)	тст	RE-05	N/A	Sep. 08, 2020
Antenna Connector	TCT	RFC-02	N/A	Sep. 08, 2020

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:	System Simulator EUT Spectrum Analyzer		
Test Procedure:	 The testing follows FCC KDB 971168 D01v03 Section 4.2. The EUT was connected to the spectrum analyzer and system simulator via a power divider. 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. The 99% occupied bandwidth were measured, set RBW= 1% of OBW, VBW= 3*RBW, sample detector, trace maximum hold. 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	Jul. 27, 2021
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 11, 2020
RF cable (9kHz-40GHz)	тст	RE-05	N/A	Sep. 08, 2020
Antenna Connector	TCT	RFC-02	N/A	Sep. 08, 2020

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), 22.917(a)		
Test Method:	FCC part2.1051	(0)	
Limit:	-13dBm		
Test Setup:	System Simulator Power Divider EUT		
Test Procedure:	 The testing follows FCC KDB 971168 D01v03 Section 6.0. The EUT was connected to the spectrum analyzer as system simulator via a power divider. 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. The band edges of low and high channels for the highest RF powers were measured. The conducted spurious emission for the whole frequency range was taken. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 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. 		
Test Result:	PASS		
1701	- (2G') (2G')		

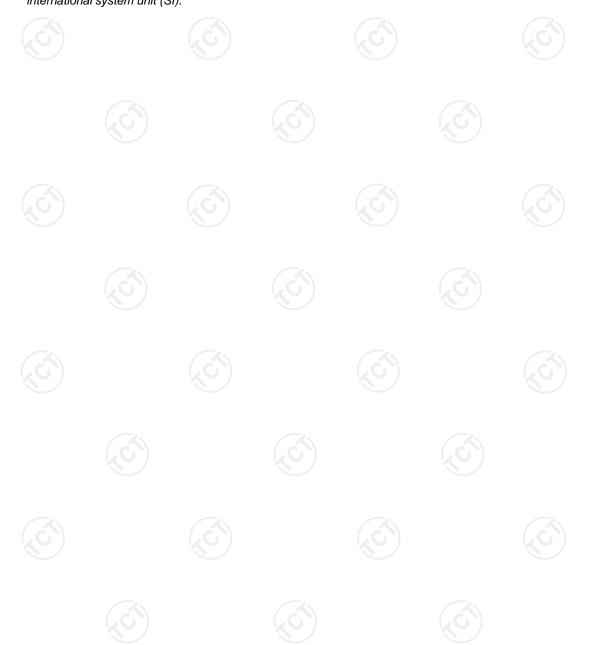
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6.4.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jul. 27, 2021
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 11, 2020
RF cable (9kHz-40GHz)	TCT	RE-05	N/A	Sep. 08, 2020
Antenna Connector	TCT	RFC-02	N/A	Sep. 08, 2020

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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6.5. 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 22.917(a), 24.238(b)		
Test Method:	FCC part 2.1053		
Limit:	30MHz~20GHz -13dBm		
Test setup:	From 30MHz to 1GHz RX Antenna Ant. feed point Spectrum Analyzer / Receiver Above 1GHz Ant. feed point Ant. feed point Spectrum Analyzer / Receiver Ant. feed point Spectrum Analyzer / Receiver Ant. feed point Spectrum Analyzer / Receiver		
Test Procedure:	 The testing follows FCC KDB 971168 D01v03 Section 5.8 and ANSI / TIA-603-D-2010Section 2.2.12. The EUT was placed on a rotatable wooden table 0.8 meters above the ground. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower. The table was rotated 360 degrees to determine the position of the highest spurious emission. 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. 		

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	 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

PASS

Tel: 86-755-27673339

Test results:

Hotline: 400-6611-140

Fax: 86-755-27673332

http://www.tct-lab.com





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	Sep. 11, 2020		
Spectrum Analyzer	ROHDE&SCHW ARZ	R&S	FSQ40	Sep. 11, 2020		
Signal Generator	HP	83623B	3614A00396	Sep. 08, 2020		
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 06, 2020		
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep. 06, 2020		
Broadband Antenna	Schwarzbeck	VULB9163	412	Sep. 06, 2020		
Horn Antenna	Schwarzbeck	BBHA 9120D	1201	Sep. 06, 2020		
Horn Antenna	Schwarzbeck	BBH 9170	582	Sep. 06, 2020		
Dipole Antenna	тст	TCT-RF	N/A	Sep. 08, 2020		
Coax cable (9kHz-40GHz)	тст	RE-high-02	N/A	Sep. 08, 2020		
Coax cable (9kHz-40GHz)	тст	RE-High-04	N/A	Sep. 08, 2020		
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 22.355, 24.235				
Test Method:	FCC Part 2.1055				
Limit:	±2.5 ppm				
Test Setup:	System Simulator Thermal Chamber				
Test Procedure:	 Test Procedures for Temperature Variation The testing follows FCC KDB 971168 D01v03 Section 9.0. The EUT was set up in the thermal chamber and connected with the system simulator. 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. 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 The testing follows FCC KDB 971168 D01v03 Section 9.0. The EUT was placed in a temperature chamber at 25±5°C and connected with the system simulator. The power supply voltage to the EUT was varied from BEP to 115% of the nominal value measured at the input to the EUT. 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	Jul. 27, 2021
Programable tempratuce and humidity chamber	JQ	JQ-2000	N/A	Sep. 08, 2020
DC power supply	Kingrang	KR3005K 30V/5A	N/A	Sep. 08, 2020
RF cable (9kHz-40GHz)	тст	RE-04	N/A	Sep. 08, 2020
Antenna Connector	TCT	RFC-03	N/A	Sep. 08, 2020

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 test report TCT200622E033

Appendix B: Photographs of EUT

Refer to test report TCT200622E033

Test Data for Appendix For LTE Band 5 and LTE Band 41

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