TCT通测检测

TESTING CENTRE TE	TEST REPOR) T
	TESTINEFOR	
FCC ID:	2AZ4C2021	(C) (C)
Test Report No::	TCT210519E051	
Date of issue::	Jul. 02, 2021	
Testing laboratory:	SHENZHEN TONGCE TESTIN	G LAB
Testing location/ address:	TCT Testing Industrial Park Fud Street, Bao'an District Shenzhe Republic of China	qiao 5th Industrial Zone, Fuhai n, Guangdong, 518103, People's
Applicant's name:	Shenzhen Hui Bao Xiang Techr	nology Co., Ltd
Address:	5001, West Block, Veteran Build Street, Baoan Distict, Shenzher	ding, 3012 Xingye Road, Xixiang n, China
Manufacturer's name:	Shenzhen Hui Bao Xiang Techr	nology Co., Ltd
Address:	Street, Baoan Distict, Shenzher	ding, 3012 Xingye Road, Xixiang n, China
Standard(s):	FCC CFR Title 47 Part 2 FCC CFR Title 47 Part22 FCC CFR Title 47 Part24 FCC CFR Title 47 Part27	
Test item description:	Tablet PC	
Trade Mark:	VGKE	
Model/Type reference:	Refer to model list of page 4	
Rating(s):	Adapter Information: MODEL: M4-050200A1-VDE INPUT: AC 100-240V, 50/60Hz OUTPUT: DC 5V, 2000mA Rechargeable Li-ion Battery DC	•
Date of receipt of test item:	May 19, 2021	
Date (s) of performance of test:	See dates for each test case	
Tested by (+signature) :	Rleo	Pleynace
Check by (+signature):	Beryl Zhao	Buy WETCT
Approved by (+signature):	Tomsin	Joms M Zing & S

General disclaimer:

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1. General Product Information

1	.1.	EUT	description
---	-----	-----	-------------

Test item description:	Tablet PC
Model/Type reference:	H30
Sample Number:	TCT210519E004-0102
Tx Frequency::	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 17: 704 MHz ~ 716 MHz
Rx Frequency:	LTE Band 2: 1930 MHz ~ 1990 MHz LTE Band 4: 2110 MHz ~ 2155 MHz LTE Band 7: 2620 MHz ~ 2690 MHz LTE Band 17: 734 MHz ~ 746 MHz
Bandwidth::	LTE Band 2: 1.4MHz /3MHz /5MHz /10MHz /15MHz /20MHz LTE Band 4: 1.4MHz /3MHz /5MHz /10MHz /15MHz /20MHz LTE Band 7: 5MHz /10MHz/15MHz /20MHz LTE Band 17: 5MHz /10MHz
Maximum Output Power to Antenna:	LTE Band 2: 23.08dBm LTE Band 4: 23.20dBm LTE Band 7: 22.99dBm LTE Band 17: 23.31dBm
99% Occupied Bandwidth::	LTE Band 2: 18M0G7D LTE Band 4: 18M0G7D LTE Band 7: 18M0G7D LTE Band 17: 9M00G7D
Type of Modulation:	
Antenna Type:	Internal Antenna
Antenna Gain:	LTE Band 2: 0.6dBi LTE Band 4: -0.3dBi LTE Band 7: 0.2dBi LTE Band 17: -5dBi
Rating(s)::	Adapter Information: MODEL: M4-050200A1-VDE INPUT: AC 100-240V, 50/60Hz, 0.3A OUTPUT: DC 5V, 2000mA Rechargeable Li-ion Battery DC 3.7V

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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1.2. Model(s) list

Report No.: TCT210519E051

No.	Model No.	Tested with
1	H30	\boxtimes
Other models	H10, H10 S, H10 Plus, H10 Pro, H10 Power, H10 Air, H20, H20 S, H20 Plus, H20 Pro, H20 Power, H20 Air, H30 S, H30 Plus, H30 Pro, H30 Power, H30 Air, H40, H40 S, H40 Plus, H40 Pro, H40 Power, H40 Air, H50, H50 S, H50 Plus, H50 Pro, H50 Power, H50 Air, H10E, H20E, H30E, H40E, H50E, T10, T10 S, T10 E, T10 Plus, T10 Pro, T10 Air, T10 E, T11, T11 S, T11 E, T11 Plus, T11 Pro, T11 Air, T11 E, H7, H7 S, H7 Plus, H7 Plus, H7 Pro, H7 Air, H7 E, H8, H8 S, H8 Plus, H8 Plus, H8 Pro, H8 Air, H8 E, M7, M7 S, M7 Plus, M7Plus, M7 Pro, M7 Air, M7 E, M8, M8 S, M8 Plus, M8 Plus, M8 Pro, M8 Air, M8 E, M9, M9 S, M9 Plus, M9 Plus, M9 Pro, M9 Air, M9 E, M10, M10 S, M10 Plus, M10 Plus, M10 Pro, M10 Air, M10 E, M11, M11 S, M11 Plus, M11 Plus, M11 Pro, M11 Air, M11 E, M12, M12 S, M12 Plus, M12 Plus, M12 Pro, M12 Air, M12 E	

Note: H30 is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names. So the test data of H30 can represent the remaining models.





LTE Band 2	(QPSK	16Q	AM
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
1.4	1M09G7D	0.230	1M09W7D	0.228
3	2M70G7D	0.230	2M70W7D	0.183
5	4M50G7D	0.231	4M50W7D	0.170
10	8M99G7D	0.228	8M99W7D	0.181
15	13M5G7D	0.222	13M5W7D	0.208
20	18M0G7D	0.233	18M0W7D	0.221
LTE Band 4		QPSK	16Q	AM
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
1.4	1M09G7D	0.195	1M09W7D	0.206
3	2M70G7D	0.195	2M69W7D	0.145
5	4M50G7D	0.194	4M50W7D	0.152
10	8M99G7D	0.191	8M98W7D	0.154
15	13M5G7D	0.193	13M5W7D	0.175
20	18M0G7D	0.192	18M0W7D	0.169
LTE Band 7		QPSK		16QAM
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	4M50G7D	0.207	4M50W7D	0.167
10	8M99G7D	0.201	8M98W7D	0.179
15	13M5G7D	0.196	13M5W7D	0.185
20	18M0G7D	0.208	18M0W7D	0.176
LTE Band 17	QPSK		16Q.	AM
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	4M50G7D	0.041	4M50W7D	0.032
10	9M00G7D	0.041	8M99W7D	0.036



1.4. Test Frequency

TESTING CENTRE TECHNOLOGY Report No.: TCT210	
TESTING CENTRE TECHNOLOGY Report No : TCT210:	19E051

LTE Band 2(1.4MHz)		LTE Ba	nd 2(3MHz)
Channel	Frequency (MHz)	Channel	Frequency (MHz)
18607	1850.7	18615	1851.5
18900	1880	18900	1880
19193	1909.3	19185	1908.5
LTE Band	2(5MHz)	LTE Bar	nd 2(10MHz)
Channel	Frequency (MHz)	Channel	Frequency (MHz)
18625	1852.5	18650	1855
18900	1880	18900	1880
19175	1907.5	19150	1905
LTE Band	2(15MHz)	LTE Bar	nd 2(20MHz)
Channel	Frequency (MHz)	Channel	Frequency (MHz)
18675	1857.5	18700	1860
18900	1880	18900	1880
19125	1902.5	19100	1900

LTE Band	LTE Band 4(1.4MHz)		nd 4(3MHz)
Channel	Frequency (MHz)	Channel	Frequency (MHz)
19957	1710.7	19965	1711.5
20175	1732.5	20175	1732.5
20393	1754.3	20385	1753.5
LTE Ban	d 4(5MHz)	LTE Bar	nd 4(10MHz)
Channel	Frequency (MHz)	Channel	Frequency (MHz)
19975	1712.5	20000	1715
20175	1732.5	20175	1732.5
20375	1752.5	20350	1750
LTE Band	I 4(15MHz)	LTE Bar	nd 4(20MHz)
Channel	Frequency (MHz)	Channel	Frequency (MHz)
20025	1717.5	20050	1720
20175	1732.5	20175	1732.5
20325	1747.5	20300	1745
			·



LTE Band 7(5MHz)		LTE Band 7(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
20775	2502.5	20800	2505.0
21100	2535	21100	2535
21425	2567.5	21400	2565.0
LTE Band	7(15MHz)	LTE Band	l 7(20MHz)
Channel	Frequency (MHz)	Channel	Frequency (MHz)
20825	2507.5	20850	2510.0
21100	2535	21100	2535
21375	2562.5	21350	2560.0

LTE Band 17(5MHz)		LTE Band 17(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
23755	706.5	23780	709
23790	710	23790	710
23825	713.5	23800	711





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
\$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.
- 5. After pre-testing of two samples with different memory chip, we found that the one with ISOCOM memory chip is the worst case, so the results are recorded in this report.



3. General Information

3.1. Test environment and mode

Operating Environment:				
Temperature:	25.0 °C			
Humidity:	56 % RH			
Atmospheric Pressure:	1010 mbar			

Remark: This product has a built-in rechargeable battery, so in an independent test, the EUT battery was fully-charged. This EUT owns two SIM cards, after we perform the pretest for these two SIM card; we found the SIM 1 is the worst case, so its result is recorded in this report.

Keep the EUT in communication with CMW500 and select channel with modulation 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 (1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz)	16QAM Link (1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz)			
LTE Band 4	QPSK Link (1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz)	16QAM Link (1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz)			
LTE Band 7	QPSK Link (5MHz / 10MHz / 15MHz / 20MHz)	16QAM Link (5MHz / 10MHz / 15MHz / 20MHz)			
LTE Band 17	QPSK Link (5MHz / 10MHz)	16QAM Link (5MHz / 10MHz)			

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas 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. The sample was placed 0.8m/1.5m 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 polarization. The emissions worst-case are shown in Test Results of the following pages.



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Test Items Band			Bandwidth (MHz)			Modulation		RB#			Test Channel				
rest items	Dallu	1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	М	
_	2	v	V	v	v	V	٧	v	v	٧	٧	V	V	٧	
Max. Output	4	v	V	v	v	v	v	v	v	v	v	V	V	v	
Power	7	-	-	v	v	v	v	V	v	v	v	v	V	v	
	17	-	-	v	v	-	-	v	v	v	v	V	v	v	
	2	v	v	v	٧	v	v	v	v	v	٧	٧	٧	٧	
Peak-to-Average	4	v	v	v	>	V	٧	v	v	V	٧	٧	٧	>	
Ratio	7		-	v	>	٧	٧	v	٧	٧	>	٧	٧	>	
- Tuilo	17	-	-	v	v	-	-	v	v	v	٧	v	v	v	
	2	٧	v	V	٧	v	v	v	v	v	٧	٧	v	٧	
26dB and 99%	4	٧	v	v	v	v	v	v	v	v	v	v	v	٧	
Bandwidth	7	-	-	v	٧	v	v	v	v	v	v	٧	٧	٧	
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	
	2	v	v	v	٧	V	v	v	v	v	٧	٧	v	-	
Conducted	4	V	v	v	v	v	v	v	v	٧	v	٧	٧	-	N.
Band Edge	7	-	-	v	v	v	v	v	v	v	٧	٧	٧	-	
Dana Luge	17	-	-	V	v	-	-	v	v	v	v	v	V	-	
	2	٧	٧	v	v	v	v	v	v	v	-	- <	V	v	
Conducted	4	v	v	v	v	v	v	v	v	v	-	-	v	v	
Spurious	7	7.	-	v	v	v	v	v	v	v	X\ -	-	v	v	
Emission	17		-	v	v		5)	v	v	v	5)	-	v	v	
	2	v	-	-	-	-	-	v	v	v	-	-	v	v	
Frequency	4	٧	-	-7.	-	-	-	v	v	v	-	-	v	v	
Stability	7	-	-	v) .	-	-	v	v	v	-	- (>	v	
	17	-	-	V	ı	-	-	v	v	v	-	-) v	v	
	2	v	v	v	٧	v	v	v	v	v	٧	V	V	v	
	4	V	V	v	٧	٧	V	v	v	v	V	٧	٧	v	
E.R.P./ E.I.R.P.	7		-	v	v	V	v	v	v	٧	v	V	v	v	
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	
Radiated	2	V	-	-	-	-	-	V	V	V	-	-	٧	v	
Spurious	4	v	-) -	-	-	V	V	V	-	- (V	v	
Emission	7	-	-	v	-	-	-	v	v	V	-	-	v	v	
	17	-	-	v	-	-	-	v	v	v	-	-	v	v	

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3.2. Description of Support Units

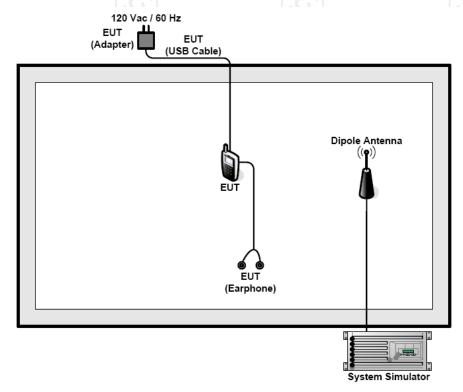
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

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

3.3. Configuration of Tested System



3.4. 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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4. Facilities and Accreditations

4.1. Facilities

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

• FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab 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

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

4.2. Location

SHENZHEN TONGCE TESTING LAB

Address: TCT Testing Industrial Park Fugiao 5th Industrial Zone, Fuhai Street, Bao'an

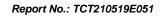
District Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

4.3. 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	± 3.10 dB
2	RF power, conducted	± 0.12 dB
3	Spurious emissions, conducted	± 0.11 dB
4	All emissions, radiated(<1 GHz)	± 4.56 dB
5	5 All emissions, radiated(1 GHz - 18 GHz)	
6	All emissions, radiated(18 GHz- 40 GHz)	± 4.36 dB





5. Test Results and Measurement Data

5.1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

5.1.1. 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
Limit:	LTE Band 2: 2W LTE Band 4: 1W LTE Band 7: 2W LTE Band 17: 3W
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. Calculate the ERP and EIRP The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

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	antenna, the factor L C is typically negligible. However, in a fixed station transmit system that utilizes a long cable run between the transmitter and the transmitting antenna, this factor can be significant.
Test Result:	PASS

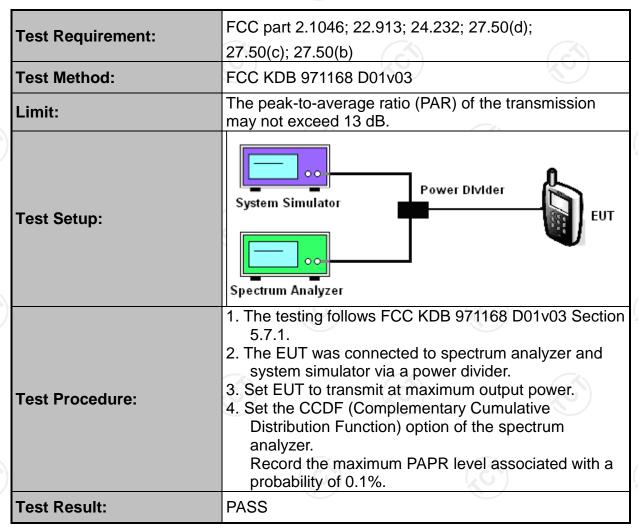
5.1.2. Test Instruments

5.	1.2. Test Instrument	s		(3)	(G)
	Equipment	Manufacturer	Model	Serial Number	Calibration Due
	Wideband Radio Communication Tester	R&S	CMW500	114220	Jul. 27, 2021
	RF cable (9kHz-40GHz)	TCT	RE-05	N/A	Sep. 02, 2021
	Antenna Connector	TCT	RFC-02	N/A	Sep. 02, 2021



5.2. Peak to Average Ratio

5.2.1. Test Specification



5.2.2. 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, 2021
RF cable (9kHz-40GHz)	тст	RE-05	N/A	Sep. 02, 2021
Antenna Connector	TCT	RFC-02	N/A	Sep. 02, 2021





5.3. 99% Occupied Bandwidth and 26dB Bandwidth Measurement

5.3.1. 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					
7 2 3						

5.3.2. 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, 2021
RF cable (9kHz-40GHz)	тст	RE-05	N/A	Sep. 02, 2021
Antenna Connector	TCT	RFC-02	N/A	Sep. 02, 2021



5.4. Band Edge and Conducted Spurious Emission Measurement

5.4.1. Test Specification

	201
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
Limit:	-13dBm
Test Setup:	System Simulator Power Divider EUT Spectrum Analyzer
Test Procedure:	 The testing follows FCC KDB 971168 D01v03 Section 6.0. The EUT was connected to the spectrum analyzer and 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. For Band 17, he limit line is derived from 55 + 10log(P) dB below the transmitter power
Test Result:	PASS
701	

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5.4.2. 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, 2021
RF cable (9kHz-40GHz)	TCT	RE-05	N/A	Sep. 02, 2021
Antenna Connector	TCT	RFC-02	N/A	Sep. 02, 2021





5.5. Field Strength of Spurious Radiation Measurement

5.5.1. 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:	Ground Plane 4m 4m Ground Plane Ground Plane 1. The testing follows FCC KDB 97110	RF Test Receiver RF Test Receiver				
Test Procedure:	Section 5.8 and ANSI / TIA-603-D-2 2.2.12. 2. The EUT was placed on a rotatable meters above the ground. 3. The EUT was set 3 meters from the antenna, which was mounted on the 4. The table was rotated 360 degrees position of the highest spurious emits. The height of the receiving antenna	e wooden table 0.8 e receiving e antenna tower. to determine the ssion.				

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	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)
Test results:	= -13dBm. PASS
Remark:	All modulations have been tested, but only the worst
TOTAL IN	The world was a second to the world was a se

modulation show in this test item.

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5.5.2. Test Instruments

	Radiated Em	ission Test Site	e (966)	
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
System simulator	R&S	CMU200	110188	Sep. 11, 2021
Spectrum Analyzer	ROHDE&SCHW ARZ	R&S	FSQ40	Sep. 11, 2021
Signal Generator	HP	83623B	3614A00396	Sep. 02, 2021
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 04, 2022
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep. 04, 2022
Broadband Antenna	Schwarzbeck	VULB9163	412	Sep. 04, 2022
Horn Antenna	Schwarzbeck	BBHA 9120D	1201	Sep. 04, 2022
Horn Antenna	A-INFO	LB-180400-KF	J211020657	Sep. 04, 2022
Dipole Antenna	тст	TCT-RF	N/A	Sep. 02, 2021
Line-4	TCT	RE-high-04	N/A	Sep. 02, 2021
Line-8	TCT	RE-01	N/A	Jul. 27, 2021
Antenna Mast	Keleto	CC-A-4M	N/A	N/A
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A



Frequency Range (9 kHz-30MHz)

5.5.3. Test Data

Frequency (MHz)	Level@3m (dBµV/m)	Limit@3m (dBµV/m)
	-	1
(c)		(2)
		(3)

Note: 1. Emission Level=Reading+ Cable loss+Antenna factor-Amp factor

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement



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Band					hannel:	Lowest
To at was also	Band 2	2(QPSK, 2	OMHz)	Tempe	erature :	25°C
Test mode:		•	·	Relative	Humidity:	56%
Note: Spuriou	is emissions wi	thin 30-10	00MHz were	found more t	han 20dB be	low limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization		Factor	emissions	(dBm)	Kesuit
		(dBm)	(dB)	(dBm)		
3720.00	Vertical	-57.54	23.54	-34.00		
5580.00	V	-63.71	23.81	-39.90		
7440.00	V	-78.95	23.96	-54.99	-13.00	PASS
3720.00	Horizontal	-55.49	23.54	-31.95	-13.00	PASS
5580.00	Н	-62.68	23.81	-38.87		
7440.00	Н	-75.95	23.96	-51.99		
Band				Test c	hannel:	Middle
Test mode:	Band 2	2(QPSK, 2	OMHz)		erature :	25°C
rest mode.				Relative	Humidity:	56%
Note: Spuriou	us emissions wi	thin 30-10	00MHz were	found more t	han 20dB be	low limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization		Factor	emissions	(dBm)	Result
		(dBm)	(dB)	(dBm)		
3760.00	Vertical	-57.30	23.58	-33.72		
5640.00	V	-68.98	23.85	-45.13		(G)
7520.00	V	-76.70	23.99	-52.71	-13.00	PASS
3760.00	Horizontal	-56.36	23.58	-32.78	-13.00	PASS
5640.00	Н	-63.23	23.85	-39.38		
7520.00	H	-77.49	23.99	-53.50		
Band				Test c	hannel:	Highest
Test mode:	Band 2	2(QPSK, 2	0MHz)	Tempe	erature :	25°C
rest mode:				Relative	Humidity:	56%
Note: Spuriou	us emissions wi	thin 30-10	00MHz were	found more t	han 20dB be	low limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization		Factor	emissions	(dBm)	Kesuit
		(dBm)	(dB)	(dBm)		
3800.00	Vertical	-60.11	23.60	-36.51	(.63)	
5700.00	V	-68.27	23.88	-44.39		· ·
7600.00	V	-77.29	24.02	-53.27	12.00	DACC
3800.00	Horizontal	-55.88	23.60	-32.28	-13.00	PASS
5700.00	Н	-65.42	23.88	-41.54		
7600.00	Н	-78.97	24.02	-54.95		(0)



Band				Test ch	nannel:	Lowest
Test mode:	Band	2(16QAM	, 20MHz)	Tempe	rature :	25°C
rest mode:				Relative I	56%	
Note: Spurio	us emissions	within 30-1	1000MHz were	found more tha	n 20dB below	limit line.
		Spurio	ous Emission			
Frequency	Polarizati	Level	Correction	Spurious	Limit	Result
(MHz)	on	(dBm)	Factor	emissions	(dBm)	Result
		(dDIII)	(dB)	(dBm)		
3720.00	Vertical	-58.05	23.54	-34.51		
5580.00	V	-64.03	23.81	-40.22		
7440.00	V	-77.71	23.96	-53.75	-13.00	PASS
3720.00	Horizontal	-56.06	23.54	-32.52	-13.00	PASS
5580.00	Н	-63.41	23.81	-39.60		
7440.00	Н	-75.05	23.96	-51.09		
Band	Band 2(16QAM, 20MHz)		Test ch	nannel:	Middle	
Toot mode.			, 20MHz)	Tempe	rature :	25°C
Test mode:		•	•	Relative I	Humidity:	56%
Note: Spurio	ious emissions within 30-1000MHz were found more than 20				n 20dB below	limit line.
			ous Emission			
Frequency	Dolovinoti	l avval	Correction	Spurious	Limit	Descrit
(MHz)	Polarizati	Level	Factor	emissions	(dBm)	Result
` ,	on on	(dBm)	(dB)	(dBm)		
3760.00	Vertical	-58.72	23.58	-35.14		
5640.00	V	-68.27	23.85	-44.42		
7520.00	V	-76.25	23.99	-52.26	12.00	PASS
3760.00	Horizontal	-55.59	23.58	-32.01	-13.00	PASS
5640.00	Н	-64.45	23.85	-40.60		
7520.00	H	-77.53	23.99	-53.54		
Band				Test ch	nannel:	Highest
To at monday	Band	2(16QAM	, 20MHz)	Tempe	rature :	25°C
Test mode:			•	Relative I	Humidity:	56%
Note: Spurio	us emissions	within 30-1	1000MHz were	found more tha	n 20dB below	limit line.
		Spurio	ous Emission			
Frequency	Dolovizoti	Lovel	Correction	Spurious	Limit	Dogult
(MHz)	Polarizati	Level	Factor	emissions	(dBm)	Result
,	on	(dBm)	(dB)	(dBm)		
3800.00	Vertical	-59.65	23.60	-36.05		
5700.00	V	-69.22	23.88	-45.34		
7600.00	V	-77.47	24.02	-53.45	40.00	DAGG
3800.00	Horizontal	-55.99	23.60	-32.39	-13.00	PASS
5700.00	Н	-64.83	23.88	-40.95		- K
7600.00	Н	-79.38	24.02	-55.36	1 (,	



Report No.: TCT210519E051 **Test channel:** Lowest 25°C Band 4(QPSK, 20MHz) **Temperature:** Test mode: **Relative Humidity:** 56% Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line. Spurious Emission Correction Spurious Limit Frequency Level Result (MHz) Polarization Factor emissions (dBm) (dBm) (dB) (dBm) Vertical -58.33 3440.00 23.40 -34.93 5160.00 V -63.07 23.69 -39.38 6880.00 -78.25 23.75 -54.50 -13.00**PASS** 3440.00 Horizontal -56.22 -32.8223.40 -38.85 5160.00 H -62.5423.69 6880.00 Н -75.71 23.75 -51.96 Middle **Band Test channel:** Band 4(QPSK, 20MHz) Temperature: 25°C Test mode: **Relative Humidity:** 56% Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line. Spurious Emission Frequency Correction Spurious Limit Level Result (MHz) Factor emissions (dBm) Polarization (dBm) (dB) (dBm) Vertical -57.74 -34.32 3465.00 23.42 -68.59 23.73 -44.86 5197.50 V 6930.00 V -77.15 23.79 -53.36 **PASS** -13.00 3465.00 Horizontal -55.50 23.42 -32.08 5197.50 Η -63.01 23.73 -39.28 6930.00 Н -76.52 23.79 -52.73 Band Test channel: **Highest** 25°C Band 4(QPSK, 20MHz) Temperature: Test mode: **Relative Humidity:** 56% Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line. Spurious Emission Frequency Spurious Limit Correction Level Result (MHz) Polarization **Factor** emissions (dBm) (dBm) (dB) (dBm) -59.80 3490.00 Vertical 23.46 -36.34-45.17 23.77 5235.00 -68.94 V 6980.00 -76.42 23.81 -52.61 **PASS** -13.00 -32.36 3490.00 Horizontal -55.82 23.46 5235.00 Η -64.77 23.77 -41.00 6980.00 -78.7023.81 -54.89



Report No.: TCT210519E051 **Test channel:** Lowest 25°C **Band 4(16QAM, 20MHz) Temperature:** Test mode: **Relative Humidity:** 56% Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line. Spurious Emission Correction Spurious Limit Frequency Level Result (MHz) Polarization Factor emissions (dBm) (dBm) (dB) (dBm) Vertical -59.12 3440.00 23.40 -35.72-40.77 5160.00 V -64.46 23.69 6880.00 -77.89 23.75 -54.14 -13.00**PASS** -33.48 3440.00 Horizontal -56.88 23.40 -63.32 -39.63 5160.00 H 23.69 6880.00 Н -76.20 23.75 -52.45 Middle **Band Test channel: Band 4(16QAM, 20MHz)** Temperature: 25°C Test mode: **Relative Humidity:** 56% Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line. Spurious Emission Frequency Correction Spurious Limit Level Result (MHz) Factor emissions (dBm) Polarization (dBm) (dB) (dBm) -57.68 Vertical -34.26 3465.00 23.42 23.73 -44.86 5197.50 -68.59V 6930.00 V -77.48 23.79 -53.69 **PASS** -13.00 3465.00 Horizontal -55.96 23.42 -32.545197.50 Η -64.57 23.73 -40.84 6930.00 -77.72 23.79 -53.93 Band Test channel: **Highest** 25°C **Band 4(16QAM, 20MHz)** Temperature: Test mode: **Relative Humidity:** 56% Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line. Spurious Emission Frequency Spurious Limit Correction Level Result (MHz) Polarization **Factor** emissions (dBm) (dBm) (dB) (dBm) -60.34 3490.00 Vertical 23.46 -36.88 -68.64 23.77 -44.87 5235.00 V 6980.00 -77.95 23.81 -54.14 **PASS** -13.00 3490.00 Horizontal -56.09 -32.6323.46 5235.00 Η -66.84 23.77 -43.07 6980.00 -78.88 23.81 -55.07



Band				Test c	hannel:	Lowest
Table made	Band '	7(QPSK, 2	OMHz)	Tempe	erature :	25°C
Test mode:		•	,	Relative	Humidity:	56%
Note: Spuriou	is emissions w	ithin 30-10	00MHz were			low limit line.
		Spurious	Emission			
Frequency		Lovel	Correction	Spurious	Limit	Dogult
(MHz)	Polarization	Level (dBm)	Factor	emissions	(dBm)	Result
		(ubiii)	(dB)	(dBm)		
5020.00	Vertical	-58.87	23.11	-35.76		
7530.00	V	-63.81	23.25	-40.56		
10040.00	V	-77.84	23.38	-54.46	-25.00	PASS
5020.00	Horizontal	-58.33	23.11	-35.22	-25.00	PASS
7530.00	Н	-60.37	23.25	-37.12		
10040.00	Н	-76.09	23.38	-52.71		
Band				Test c	hannel:	Middle
Test mode:	Band '	7(QPSK, 2	0MHz)	Tempe	erature :	25°C
rest mode.					Humidity:	56%
Note: Spuriou	is emissions w	ithin 30-10	00MHz were	found more t	han 20dB be	low limit line.
		Spurious	Emission			
Frequency		Lovol	Correction	Spurious	Limit	Result
(MHz)	Polarization	Level	Factor	emissions	(dBm)	Result
		(dBm)	(dB)	(dBm)		
5070.00	Vertical	-57.15	23.14	-34.01		
7605.00	V	-68.88	23.23	-45.65		(G)
10140.00	V	-77.49	23.34	-54.15	-25.00	PASS
5070.00	Horizontal	-55.90	23.14	-32.76	-25.00	FASS
7605.00	Н	-63.16	23.23	-39.93		
10140.00	H	-76.71	23.34	-53.37		
Band				Test c	hannel:	Highest
Test mode:	Band '	7(QPSK, 2	OMHz)	Tempe	erature :	25°C
rest mode.				Relative	Humidity:	56%
Note: Spuriou	ıs emissions w	ithin 30-10	00MHz were	found more t	han 20dB be	low limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization	(dBm)	Factor	emissions	(dBm)	Result
		(ubiii)	(dB)	(dBm)		
5120.00	Vertical	-60.23	23.17	-37.06	(.0)	7.
7680.00	V	-69.45	23.25	-46.20		
10240.00	V	-82.06	23.40	-58.66	25.00	DAGG
5120.00	Horizontal	-56.56	23.17	-33.39	-25.00	PASS
7680.00	Н	-65.15	23.25	-41.90		
10240.00	Н	-79.99	23.40	-56.59		$\mathcal{L}(G^{*})$



Band			Test c	hannel:	Lowest	
	Band 7	(16QAM, 2	20MHz)	Tempe	erature :	25°C
Test mode:		,	,		Humidity:	56%
Note: Spuriou	ıs emissions w	ithin 30-10	00MHz were			
			Emission			
Frequency			Correction	Spurious	Limit	D 11
(MHz)	Polarization	Level	Factor	emissions	(dBm)	Result
,		(dBm)	(dB)	(dBm)	,	
5020.00	Vertical	-57.69	23.11	-34.58		
7530.00	V	-61.99	23.25	-38.74		
10040.00	V	-79.29	23.38	-55.91	25 00	DACC
5020.00	Horizontal	-57.09	23.11	-33.98	-25.00	PASS
7530.00	Н	-62.52	23.25	-39.27		
10040.00	Н	-76.96	23.38	-53.58		
Band				Test c	hannel:	Middle
Toot mode.	Band 7	(16QAM, 2	20MHz)	Tempe	erature :	25°C
Test mode:		(• •, _ • , _ • ,			Humidity:	56%
Note: Spuriou	is emissions w	ithin 30-10	00MHz were	found more t	han 20dB be	low limit line.
·		Spurious	Emission			
Frequency		Lovel	Correction	Spurious	Limit	Dogult
(MHz)	Polarization	Level	Factor	emissions	(dBm)	Result
		(dBm)	(dB)	(dBm)		
5070.00	Vertical	-57.56	23.14	-34.42		
7605.00	V	-69.31	23.23	-46.08		(c)
10140.00	V	-77.34	23.34	-54.00	-25.00	PASS
5070.00	Horizontal	-55.20	23.14	-32.06	-25.00	PASS
7605.00	Н	-63.56	23.23	-40.33		
10140.00	H	-77.46	23.34	-54.12		
Band				Test c	hannel:	Highest
Test mode:	Band 7	(16QAM, 2	20MHz)	Tempe	erature :	25°C
rest mode:				Relative	Humidity:	56%
Note: Spuriou	us emissions w	ithin 30-10	00MHz were	found more t	han 20dB be	low limit line.
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Popul t
(MHz)	Polarization		Factor	emissions	(dBm)	Result
		(dBm)	(dB)	(dBm)		
5120.00	Vertical	-60.06	23.17	-36.89		
7680.00	V	-68.74	23.25	-45.49		
10240.00	V	-77.37	23.40	-53.97	25.00	DACC
5120.00	Horizontal	-55.44	23.17	-32.27	-25.00	PASS
7680.00	Н	-65.36	23.25	-42.11		
10240.00	Н	-79.22	23.40	-55.82		(O)



Band		Tes				Lowest
To at models	Band 1	7(QPSK, 1	IOMHz)	Tempe	erature :	25°C
Test mode:		,	•		Humidity:	56%
Note: Spuriou	ıs emissions w	ithin 30-10	00MHz were			low limit line.
·			Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization		Factor	emissions	(dBm)	Result
		(dBm)	(dB)	(dBm)		
1418.00	Vertical	-58.64	23.06	-35.58		
2127.00	V	-63.30	23.17	-40.13		
2836.00	V	-79.04	23.27	-55.77	12.00	PASS
1418.00	Horizontal	-57.90	23.05	-34.85	-13.00	PASS
2127.00	Н	-61.49	23.18	-38.31		
2836.00	Н	-76.11	23.28	-52.83		
Band				Test c	hannel:	Middle
Toot mode:	Band 1	7(QPSK, 1	IOMHz)	Tempe	erature :	25°C
Test mode:					Humidity:	56%
Note: Spuriou	is emissions w	ithin 30-10	found more t	han 20dB be	low limit line.	
		Spurious	Emission			
Frequency		Lovel	Correction	Spurious	Limit	Dogult
(MHz)	Polarization	Level	Factor	emissions	(dBm)	Result
	, ,	(dBm)	(dB)	(dBm)		
1420.00	Vertical	-56.99	23.07	-33.92		
2130.00	V	-68.66	23.19	-45.47		(G)
2840.00	V	-76.74	23.29	-53.45	-13.00	PASS
1420.00	Horizontal	-55.48	23.07	-32.41	-13.00	PASS
2130.00	Н	-63.91	23.19	-40.72		
2840.00	H	-77.29	23.30	-53.99		
Band				Test c	hannel:	Highest
Toot mode.	Band 1	7(QPSK, 1	IOMHz)	Tempe	erature :	25°C
Test mode:				Relative	Humidity:	56%
Note: Spuriou	is emissions w	ithin 30-10	00MHz were	found more t	han 20dB be	low limit line.
		Spurious	Emission			
Frequency		Lovol	Correction	Spurious	Limit	Dogult
(MHz)	Polarization	Level	Factor	emissions	(dBm)	Result
, ,		(dBm)	(dB)	(dBm)	, ,	
1422.00	Vertical	-59.10	23.08	-36.02		
2133.00	V	-69.80	23.20	-46.60		
2844.00	V	-81.79	23.31	-58.48	12.00	DACC
1422.00	Horizontal	-55.30	23.08	-32.22	-13.00	PASS
2133.00	Н	-64.48	23.20	-41.28		
2844.00	Н	-79.07	23.31	-55.76		(°C)



Band				Test c	hannel:	Lowest
	Band 17	7(16QAM,	10MHz)	Tempe	erature :	25°C
Test mode:		,	,		Humidity:	56%
Note: Spuriou	us emissions w	ithin 30-10	00MHz were			
		Spurious	Emission			
Frequency		Level	Correction	Spurious	Limit	Result
(MHz)	Polarization	(dBm)	Factor	emissions	(dBm)	Nesuit
		(ubili)	(dB)	(dBm)		
1418.00	Vertical	- 58.35	23.06	-35.29		
2127.00	V	-63.09	23.17	-39.92		
2836.00	V	-79.55	23.27	-56.28	-13.00	PASS
1418.00	Horizontal	-55.77	23.05	-32.72	-13.00	PASS
2127.00	Н	-63.41	23.18	-40.23		
2836.00	Н	-75.23	23.28	-51.95		
Band				Test c	hannel:	Middle
To at modelar	Band 17	7(16QAM,	10MHz)	Tempe	erature :	25°C
Test mode:		•	·	Relative	Humidity:	56%
Note: Spuriou	us emissions w	han 20dB be	low limit line.			
·			Emission			
Frequency			Correction	Spurious	Limit	Danult
(MHz)	Polarization	Level	Factor	emissions	(dBm)	Result
,		(dBm)	(dB)	(dBm)	, ,	
1420.00	Vertical	-56.69	23.07	-33.62		
2130.00	V	-68.90	23.19	-45.71		
2840.00	V	-76.14	23.29	-52.85	40.00	DAGO
1420.00	Horizontal	-55.22	23.07	-32.15	-13.00	PASS
2130.00	Н	-62.81	23.19	-39.62		
2840.00	H	-76.97	23.30	-53.67		
Band				Test c	hannel:	Highest
T (1.	Band 17	7(16QAM,	10MHz)	Tempe	erature :	25°C
Test mode:		•	•		Humidity:	56%
Note: Spuriou	us emissions w	ithin 30-10	00MHz were	found more t	han 20dB be	low limit line.
·			Emission			
Frequency			Correction	Spurious	Limit	D 11
(MHz)	Polarization	Level	Factor	emissions	(dBm)	Result
,		(dBm)	(dB)	(dBm)	,	
1422.00	Vertical	-59.94	23.08	-36.86		
2133.00	V	-68.59	23.20	-45.39		
2844.00	V	-76.37	23.31	-53.06	40.00	B. 66
1422.00	Horizontal	-56.09	23.08	-33.01	-13.00	PASS
2133.00	Н	-64.12	23.20	-40.92		
2844.00	Н	-78.18	23.31	-54.87		\C'\)
ZUTT.00	11	-70.10	20.01	-JT.01		





5.6. Frequency Stability Measurement

5.6.1. 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 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. The worst case(worst bandwidth) for frequency stability reported in the Test Data. The worst bandwidth is as follow: 1.4M is for LTE Band 4, 1.4M is for LTE Band 5, 1.4M is for LTE Band 12, 5M is for LTE Band 13, 1.4M is for LTE Band 66, 5M is for LTE Band 71
Test Result:	5M is for LTE Band 71 PASS



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5.6.2. Test Instruments

	Equipment	Manufacturer	Model	Serial Number	Calibration Due
	dideband Radio Communication Tester	R&S	CMW500	114220	Jul. 27, 2021
te	Programable empratuce and umidity chamber	JQ	JQ-2000	N/A	Sep. 02, 2021
D	C power supply	Kingrang	KR3005K 30V/5A	N/A	Sep. 02, 2021
(RF cable (9kHz-40GHz)	тст	RE-04	N/A	Sep. 02, 2021
Ant	tenna Connector	TCT	RFC-03	N/A	Sep. 02, 2021

Note: 1. 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. TCT210519E004

Appendix B: Photographs of EUT

Refer to the test report No. TCT210519E004

Test Data for Appendix For LTE Band 2, Appendix For LTE Band 4, Appendix For LTE Band 7 and Appendix For LTE Band 17

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

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