



TEST REPORT

FCC ID :	ZLE-RG935	
Test Report No :	TCT211201E055	
Date of issue :	Jan. 12, 2022	
Testing laboratory	SHENZHEN TONGCE TESTING LAB	
Testing location/ address:	TCT Testing Industrial Park Fuqiao 5th Industrial Zone, Fuhai Street, Bao'an District Shenzhen, Guangdong, 518103, People's Republic of China	
Applicant's name :	Power Idea Technology (Shenzhen) Co., Ltd.	
Address :	4th Floor, A Section, Languang Science&technology, Xinxi RD, Hi-Tech Industrial Park North, Nanshan, ShenZhen, 518057 China	
Manufacturer's name ... :	Power Idea Technology (Shenzhen) Co., Ltd.	
Address :	4th Floor, A Section, Languang Science&technology, Xinxi RD, Hi-Tech Industrial Park North, Nanshan, ShenZhen, 518057 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	Smart Tablet	
Trade Mark	RugGear	
Model/Type reference :	PTM01G, RG935	
Rating(s) :	Refer to EUT description of page 3	
Date of receipt of test item	Dec. 01, 2021	
Date (s) of performance of test :	Dec. 01, 2021 ~ Jan. 12, 2022	
Tested by (+signature) ... :	Rleo LIU	
Check by (+signature) :	Beryl ZHAO	
Approved by (+signature):	Tomsin	



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TABLE OF CONTENTS

1. General Product Information	3
1.1. EUT description	3
1.2. Model(s) list.....	4
1.3. Emission Designator	5
1.4. Test Frequency	7
2. Test Result Summary	10
3. General Information.....	11
3.1. Test environment and mode.....	11
3.2. Description of Support Units.....	15
3.3. Configuration of Tested System	15
3.4. Measurement Results Explanation Example.....	15
4. Facilities and Accreditations	16
4.1. Facilities	16
4.2. Location	16
4.3. Measurement Uncertainty.....	16
5. Test Results and Measurement Data	17
5.1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement	17
5.2. Peak to Average Ratio.....	19
5.3. 99% Occupied Bandwidth and 26dB Bandwidth Measurement	20
5.4. Band Edge and Conducted Spurious Emission Measurement	21
5.5. Field Strength of Spurious Radiation Measurement	23
5.6. Frequency Stability Measurement	43

Appendix B: Photographs of Test Setup

Appendix C: Photographs of EUT

**Test Data: Refer to Appendix For LTE Band 2, Appendix For LTE Band 4,
Appendix For LTE Band 5, Appendix For LTE Band 12,
Appendix For LTE Band 13, Appendix For LTE Band 17,
Appendix For LTE Band 41 and Appendix For LTE Band 66**

1. General Product Information

1.1. EUT description

Test item description	Smart Tablet
Model/Type reference.....	PTM01G
Sample Number.....	TCT21201E015-0102
Tx Frequency	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 66: 1710 MHz ~ 1780 MHz
Rx Frequency	LTE Band 2: 1930 MHz ~ 1990 MHz LTE Band 4: 2110 MHz ~ 2155 MHz LTE Band 5: 869 MHz ~ 894 MHz LTE Band 12: 729 MHz ~ 746 MHz LTE Band 13: 746 MHz ~ 756 MHz LTE Band 17: 734 MHz ~ 746 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 66: 2110 MHz ~ 2180 MHz
Bandwidth.....	LTE Band 2: 1.4MHz /3MHz /5MHz /10MHz /15MHz /20MHz LTE Band 4: 1.4MHz /3MHz /5MHz /10MHz /15MHz /20MHz LTE Band 5: 1.4MHz /3MHz /5MHz /10MHz LTE Band 12: 1.4MHz /3MHz /5MHz /10MHz LTE Band 13: 5MHz /10MHz LTE Band 17: 5MHz /10MHz LTE Band 41: 5MHz /10MHz /15MHz /20MHz LTE Band 66: 1.4MHz /3MHz /5MHz /10MHz /15MHz /20MHz
Maximum Output Power to Antenna.....	LTE Band 2: 23.44dBm LTE Band 4: 23.23dBm LTE Band 5: 23.78dBm LTE Band 12: 23.01dBm LTE Band 13: 23.50dBm LTE Band 17: 23.11dBm LTE Band 41: 24.29dBm LTE Band 66: 22.73dBm
99% Occupied Bandwidth.....	LTE Band 2: 18M0G7D LTE Band 4: 18M0G7D LTE Band 5: 8M98G7D LTE Band 12: 8M99G7D LTE Band 13: 8M97G7D LTE Band 17: 9M00G7D LTE Band 41: 17M9G7D LTE Band 66: 18M0G7D

Type of Modulation.....:	QPSK/16QAM
Antenna Type.....:	Internal Antenna
Antenna Gain.....:	LTE Band 2: 0.5dBi LTE Band 4: 1.8dBi LTE Band 5: 0.1dBi LTE Band 12: -1.6dBi LTE Band 13: -1.6dBi LTE Band 17: -1.6dBi LTE Band 41: 2dBi LTE Band 66: 1.8dBi
Rating(s).....:	Adapter Information1: MODEL: Q183 INPUT: AC 100-240V, 50/60Hz, 0.5A OUTPUT: DC 3.6V-6V, 3A/ DC 6V-9V, 2A/ DC 9V-12V, 1.5A Adapter Information2: MODEL: QN184U INPUT: AC 100-240V, 50/60Hz, 0.5A OUTPUT: DC 5.0V, 3.0A/ DC 9.0V, 2.0A/ DC 12.0V, 1.5A Adapter Information3: MODEL: DBS15Q INPUT: AC 100-240V, 50/60Hz, 0.5A OUTPUT: DC 5V, 3A/ DC 9V, 2A/ DC 12V, 1.5A, MAX: 18 W 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.

1.2. Model(s) list

No.	Model No.	Tested with
1	PTM01G	<input checked="" type="checkbox"/>
Other models	RG935	<input type="checkbox"/>

Note: PTM01G is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names, yellow and black border. So the test data of PTM01G can represent the remaining models.

1.3. Emission Designator

LTE Band 2	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
1.4	1M09G7D	0.242	1M09W7D	0.198
3	2M69G7D	0.236	2M69W7D	0.198
5	4M51G7D	0.248	4M50W7D	0.202
10	8M99G7D	0.242	8M98W7D	0.203
15	13M5G7D	0.239	13M5W7D	0.202
20	18M0G7D	0.240	17M9W7D	0.200

LTE Band 4	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
1.4	1M09G7D	0.306	1M09W7D	0.249
3	2M70G7D	0.308	2M70W7D	0.255
5	4M51G7D	0.318	4M51W7D	0.265
10	8M99G7D	0.310	8M97W7D	0.263
15	13M5G7D	0.305	13M5W7D	0.264
20	18M0G7D	0.312	18M0W7D	0.262

LTE Band 5	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
1.4	1M09G7D	0.145	1M09W7D	0.116
3	2M70G7D	0.147	2M70W7D	0.119
5	4M51G7D	0.149	4M51W7D	0.122
10	8M98G7D	0.146	8M98W7D	0.119

LTE Band 12	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
1.4	1M09G7D	0.082	1M09W7D	0.069
3	2M70G7D	0.083	2M70W7D	0.069
5	4M51G7D	0.084	4M50W7D	0.071
10	8M99G7D	0.082	8M99W7D	0.069

LTE Band 13		QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	
5	4M51G7D	0.094	4M51W7D	0.078	
10	8M97G7D	0.090	8M96W7D	0.076	
LTE Band 17		QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	
5	4M50G7D	0.086	4M51W7D	0.070	
10	9M00G7D	0.081	8M99W7D	0.068	
LTE Band 41		QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	
5	4M51G7D	0.281	4M49W7D	0.246	
10	8M97G7D	0.311	8M97W7D	0.255	
15	13M5G7D	0.276	13M4W7D	0.234	
20	17M9G7D	0.426	17M9W7D	0.331	
LTE Band 66		QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	
1.4	1M09G7D	0.275	1M09W7D	0.228	
3	2M70G7D	0.271	2M70W7D	0.226	
5	4M51G7D	0.284	4M51W7D	0.228	
10	9M00G7D	0.270	9M00W7D	0.226	
15	13M4G7D	0.275	13M4W7D	0.232	
20	18M0G7D	0.279	18M0W7D	0.225	

1.4. Test Frequency

LTE Band 2(1.4MHz)		LTE Band 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 Band 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 Band 2(20MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
18675	1857.5	18700	1860
18900	1880	18900	1880
19125	1902.5	19100	1900

LTE Band 4(1.4MHz)		LTE Band 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 Band 4(5MHz)		LTE Band 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 4(15MHz)		LTE Band 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 5(1.4MHz)		LTE Band 5(3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
20407	824.7	20415	825.5
20525	836.5	20525	836.5
20643	848.3	20635	847.5
LTE Band 5(5MHz)		LTE Band 5(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
20425	826.5	20450	829
20525	836.5	20525	836.5
20625	846.5	20600	844

LTE Band 12(1.4MHz)		LTE Band 12(3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
23017	699.7	23025	700.5
23095	707.5	23095	707.5
23173	715.3	23165	714.5
LTE Band 12(5MHz)		LTE Band 12(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
23035	701.5	23060	704
23095	707.5	23095	707.5
23155	713.5	23130	711

LTE Band 13(5MHz)		LTE Band 13(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
23205	779.5	23230	782
23230	782	23230	782
23255	784.5	23230	782

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

LTE Band 39(5MHz)		LTE Band 39(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
38275	1882.5	38300	1885
38450	1900	38450	1900
38625	1917.5	38600	1915

LTE Band 41(5MHz)		LTE Band 41(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
39675	2498.5	39700	2501
40620	2593	40620	2593
41565	2687.5	41540	2685
LTE Band 41(15MHz)		LTE Band 41(20MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
39725	2503.5	39750	2506
40620	2593	40620	2593
41515	2682.5	41490	2680

LTE Band 66(1.4MHz)		LTE Band 66(3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
131979	1710.7	131987	1711.5
132422	1755	132422	1755
132665	1779.3	132657	1778.5
LTE Band 66(5MHz)		LTE Band 66(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
131997	1712.5	132022	1715
132422	1755	132422	1755
132647	1777.5	132622	1775
LTE Band 66(15MHz)		LTE Band 66(20MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
132047	1717.5	132072	1720
132422	1755	132422	1755
132597	1772.5	132572	1770

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); §90.542(a)	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); §90.542(a)	PASS
Equivalent Isotropic Radiated Power	§2.1046; §22.913; §24.232(c); §27.50(d); §27.50(c); §27.50(b); §90.542(a)	PASS
Occupied Bandwidth	§2.1049; §24.238(b); §27.53; §90.209(a)	PASS
Band Edge	§2.1051; §22.917(a); §27.53(h); §27.53(c); §27.53(g); §24.238(a); §90.543(e)	PASS
Conducted Spurious Emission	§2.1051; §22.917(a); §27.53(h); §27.53(g); §27.53(c); §24.238(a); §90.543(c)	PASS
Field Strength of Spurious Radiation	§2.1053; §22.917(a); §27.53(g) ; §27.53(c); §27.53(h); §24.238(a); §90.543(c)	PASS
Frequency Stability for Temperature & Voltage	§2.1055; §22.355; §27.54; §24.235; §90.213	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. NA: 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.	

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 5	QPSK Link (1.4MHz / 3MHz / 5MHz / 10MHz)	16QAM Link (1.4MHz / 3MHz / 5MHz / 10MHz)
LTE Band 12	QPSK Link (1.4MHz / 3MHz / 5MHz / 10MHz)	16QAM Link (1.4MHz / 3MHz / 5MHz / 10MHz)
LTE Band 13	QPSK Link (5MHz / 10MHz)	16QAM Link (5MHz / 10MHz)
LTE Band 17	QPSK Link (5MHz / 10MHz)	16QAM Link (5MHz / 10MHz)
LTE Band 41	QPSK Link (5MHz / 10MHz / 15MHz / 20MHz)	16QAM Link (5MHz / 10MHz / 15MHz / 20MHz)
LTE Band 66	QPSK Link (1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz)	16QAM Link (1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz)

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.

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
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v
	66	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
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v
	66	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	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
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	-	-	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Conducted Band Edge	2	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
	5	v	v	v	v	-	-	v	v	v	v	v	v	-	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v

	17	-	-	v	v	-	-	v	v	v	v	v	v	-	v
	41	-	-	v	v	v	v	v	v	v	-	v	v	-	v
	66	v	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
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	-	-	v	v	v
	41	-	-	v	v	v	v	v	v	v	-	-	v	v	v
Frequency Stability	2	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	4	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	5	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	12	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	13	-	-	v	-	-	-	v	v	v	-	-	v	v	v
	17	-	-	v	-	-	-	v	v	v	-	-	v	v	v
	41	-	-	v	-	-	-	v	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
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	41	-	-	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
	12	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	13	-	-	v	-	-	-	v	v	v	-	-	v	v	v
	17	-	-	v	-	-	-	v	v	v	-	-	v	v	v
	41	-	-	-	-	-	-	v	v	v	-	-	v	v	v
	66	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.

3.2. Description of Support Units

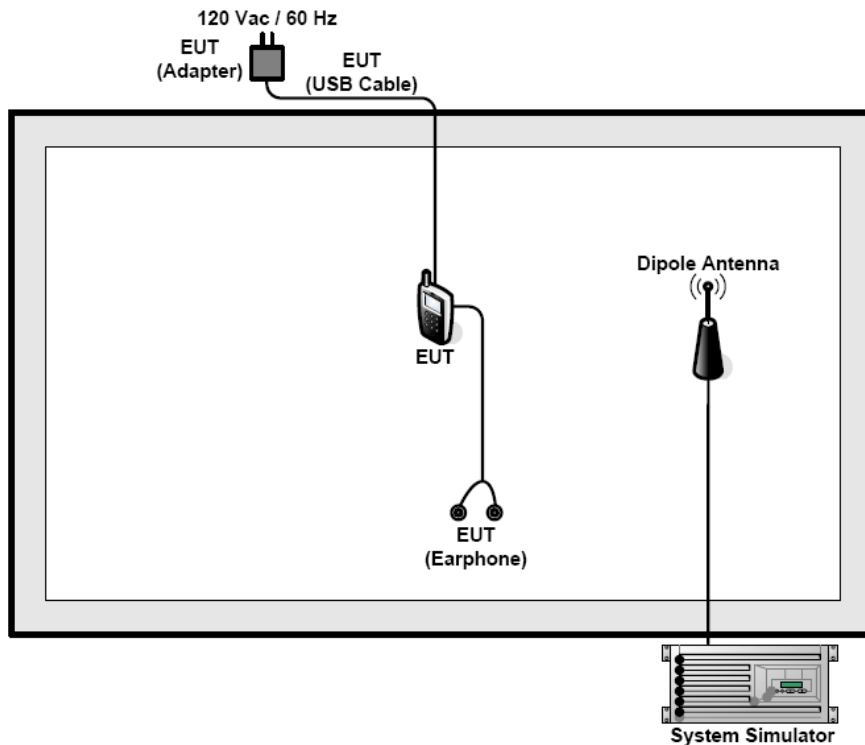
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

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

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.
 $Offset = RF\ cable\ loss + attenuator\ factor.$

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 Fuqiao 5th Industrial Zone, Fuhai Street, Bao'an District Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

4.3. Measurement Uncertainty

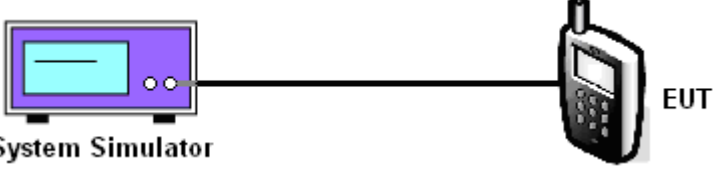
The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

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	All emissions, radiated(1 GHz - 18 GHz)	± 4.22 dB
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:	Refer to section 2
Test Method:	FCC part 2.1046
Limit:	LTE Band 2: 2W LTE Band 4: 1W LTE Band 5: 7W LTE Band 12: 3W LTE Band 13: 3W LTE Band 17: 3W LTE Band 41: 2W LTE Band 66: 1W
Test Setup:	 <p>The diagram illustrates the test setup. On the left is a purple rectangular box labeled 'System Simulator' with a screen and two small circles. A black line connects it to a mobile phone on the right labeled 'EUT'.</p>
Test Procedure:	<ol style="list-style-type: none"> 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. 5. Calculate the ERP and EIRP <p>The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:</p> $\text{ERP or EIRP} = P_{\text{Meas}} + G_T - L_C$ <p>where:</p> <p>ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, typically dBW or dBm);</p> <p>P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;</p> <p>G_T = gain of the transmitting antenna, in dBd (ERP) or</p>

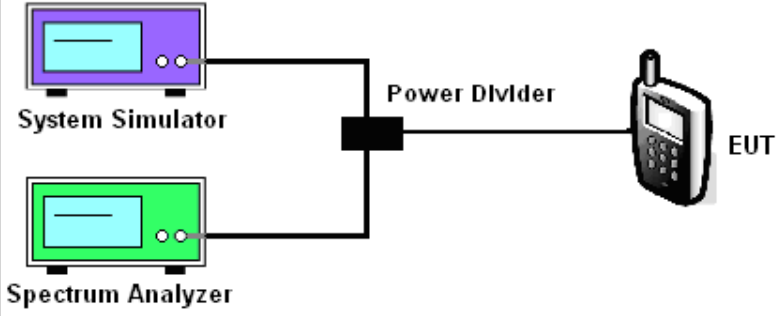
	<p>dBi (EIRP); L_c = signal attenuation in the connecting cable between the transmitter and antenna, in dB. <i>Note: For personal/portable radios utilizing an integral antenna, the factor L_c is typically negligible. However, in a fixed station transmit system that utilizes a long cable run between the transmitter and the transmitting antenna, this factor can be significant.</i></p>
Test Result:	PASS

5.1.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jul. 07, 2022
RF cable (9kHz-40GHz)	TCT	RE-05	N/A	Jul. 07, 2022
Antenna Connector	TCT	RFC-02	N/A	Jul. 07, 2022

5.2. Peak to Average Ratio

5.2.1. Test Specification

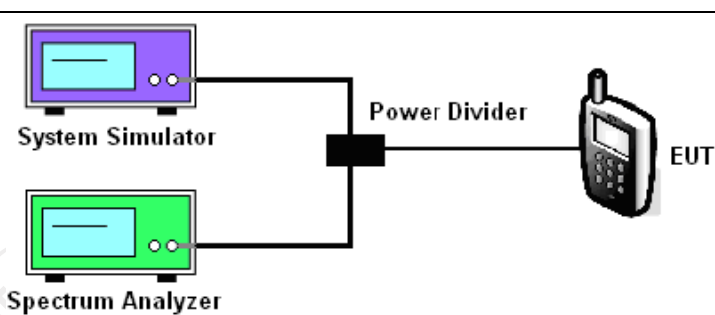
Test Requirement:	Refer to section 2
Test Method:	FCC KDB 971168 D01v03
Limit:	The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.
Test Setup:	 <p>The diagram illustrates the test setup. On the left, there are two computer monitors: the top one is labeled 'System Simulator' and the bottom one is labeled 'Spectrum Analyzer'. Both are connected to a central black box labeled 'Power Divider'. From the 'Power Divider', a single line extends to the right, connecting to a mobile phone icon labeled 'EUT'.</p>
Test Procedure:	<ol style="list-style-type: none"> 1. The testing follows FCC KDB 971168 D01v03 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. <p>Record the maximum PAPR level associated with a probability of 0.1%.</p>
Test Result:	PASS

5.2.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jul. 07, 2022
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 18, 2022
RF cable (9kHz-40GHz)	TCT	RE-05	N/A	Jul. 07, 2022
Antenna Connector	TCT	RFC-02	N/A	Jul. 07, 2022

5.3. 99% Occupied Bandwidth and 26dB Bandwidth Measurement

5.3.1. Test Specification

Test Requirement:	Refer to section 2
Test Method:	FCC part 2.1049
Limit:	N/A
Test Setup:	 <p>The diagram illustrates the test setup. On the left, there are two computer monitors representing the 'System Simulator' (top) and 'Spectrum Analyzer' (bottom). Lines connect both monitors to a central black square labeled 'Power Divider'. From the 'Power Divider', a line connects to a mobile phone icon labeled 'EUT'.</p>
Test Procedure:	<ol style="list-style-type: none"> 1. The testing follows FCC KDB 971168 D01v03 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

5.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jul. 07, 2022
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 18, 2022
RF cable (9kHz-40GHz)	TCT	RE-05	N/A	Jul. 07, 2022
Antenna Connector	TCT	RFC-02	N/A	Jul. 07, 2022

5.4. Band Edge and Conducted Spurious Emission Measurement

5.4.1. Test Specification

Test Requirement:	Refer to section 2
Test Method:	FCC part2.1051
Limit:	-13dBm
Test Setup:	<p>The diagram illustrates the test setup. A System Simulator and a Spectrum Analyzer are connected to a Power Divider. The Power Divider is also connected to the EUT (Equipment Under Test).</p>
Test Procedure:	<ol style="list-style-type: none"> 1. The testing follows FCC KDB 971168 D01v03 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 $43 + 10\log(P)$ dB below the transmitter power $P(\text{Watts}) = P(W) - [43 + 10\log(P)] (\text{dB}) = [30 + 10\log(P)] (\text{dBm}) - [43 + 10\log(P)] (\text{dB}) = -13\text{dBm}$. For Band 17, the limit line is derived from $55 + 10\log(P)$ dB below the transmitter power
Test Result:	PASS

5.4.2. Test Instruments

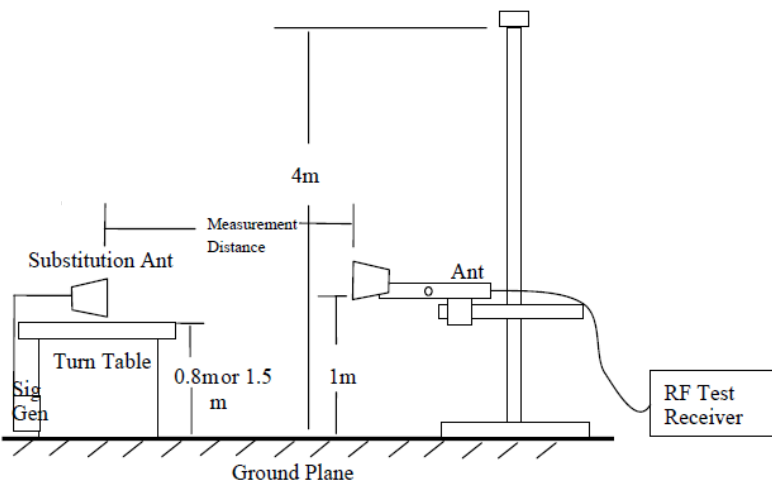
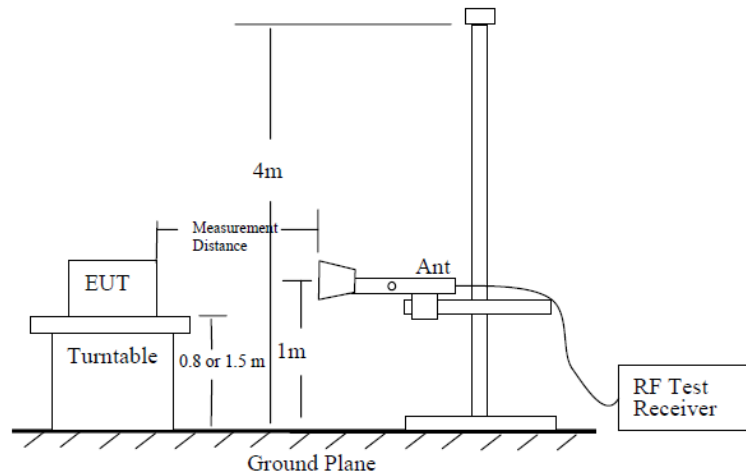
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jul. 07, 2022
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 18, 2022
RF cable (9kHz-40GHz)	TCT	RE-05	N/A	Jul. 07, 2022
Antenna Connector	TCT	RFC-02	N/A	Jul. 07, 2022

5.5. Field Strength of Spurious Radiation Measurement

5.5.1. Test Specification

Test Requirement:	Refer to section 2
Test Method:	FCC part 2.1053
Limit:	30MHz~20GHz -13dBm

Test setup:



Test Procedure:

1. The testing follows FCC KDB 971168 D01v03 Section 5.8 and ANSI / TIA-603-D-2010 Section 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

	<p>polarizations.</p> <ol style="list-style-type: none"> 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) <ul style="list-style-type: none"> = P(W) - [43 + 10log(P)] (dB) = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.
Test results:	PASS
Remark:	All modulations have been tested, but only the worst modulation show in this test item.

5.5.2. Test Instruments

Radiated Emission Test Site (966)				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Universal Radio Communication Tester	R&S	CMU200	110188	Jul. 07, 2022
Spectrum Analyzer	R&S	FSQ40	200061	Jul. 07, 2022
Signal Generator	HP	83623B	3614A00396	Jul. 18, 2022
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	Schwarzbeck	BBHA 9170	00956	Apr. 10, 2023
Coaxial cable	SKET	RC_DC18G-N	N/A	Apr. 08, 2022
Coaxial cable	SKET	RC-DC18G-N	N/A	Apr. 08, 2022
Coaxial cable	SKET	RC-DC40G-N	N/A	Jul. 07, 2022
Antenna Mast	Keleto	CC-A-4M	N/A	N/A
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A

5.5.3. Test Data

Frequency Range (9 kHz-30MHz)

Frequency (MHz)	Level@3m (dB μ V/m)	Limit@3m (dB μ V/m)
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--	--	--
--	--	--
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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

Band	Band 2(QPSK, 20MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3720.00	Vertical	-58.73	23.54	-35.19	-13.00	PASS
5580.00	V	-64.19	23.81	-40.38		
7440.00	V	-80.03	23.96	-56.07		
3720.00	Horizontal	-56.91	23.54	-33.37		
5580.00	H	-63.42	23.81	-39.61		
7440.00	H	-76.53	23.96	-52.57		

Band	Band 2(QPSK, 20MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3760.00	Vertical	-58.54	23.58	-34.96	-13.00	PASS
5640.00	V	-69.41	23.85	-45.56		
7520.00	V	-76.83	23.99	-52.84		
3760.00	Horizontal	-57.35	23.58	-33.77		
5640.00	H	-63.31	23.85	-39.46		
7520.00	H	-77.99	23.99	-54.00		

Band	Band 2(QPSK, 20MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3800.00	Vertical	-60.71	23.60	-37.11	-13.00	PASS
5700.00	V	-68.97	23.88	-45.09		
7600.00	V	-77.21	24.02	-53.19		
3800.00	Horizontal	-56.56	23.60	-32.96		
5700.00	H	-65.95	23.88	-42.07		
7600.00	H	-79.73	24.02	-55.71		

Band	Band 2(16QAM, 20MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3720.00	Vertical	-57.90	23.54	-34.36	-13.00	PASS
5580.00	V	-64.79	23.81	-40.98		
7440.00	V	-78.26	23.96	-54.30		
3720.00	Horizontal	-55.94	23.54	-32.40		
5580.00	H	-63.52	23.81	-39.71		
7440.00	H	-75.49	23.96	-51.53		

Band	Band 2(16QAM, 20MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3760.00	Vertical	-58.70	23.58	-35.12	-13.00	PASS
5640.00	V	-68.86	23.85	-45.01		
7520.00	V	-76.81	23.99	-52.82		
3760.00	Horizontal	-56.69	23.58	-33.11		
5640.00	H	-64.55	23.85	-40.70		
7520.00	H	-78.03	23.99	-54.04		

Band	Band 2(16QAM, 20MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3800.00	Vertical	-59.68	23.60	-36.08	-13.00	PASS
5700.00	V	-69.72	23.88	-45.84		
7600.00	V	-77.90	24.02	-53.88		
3800.00	Horizontal	-55.96	23.60	-32.36		
5700.00	H	-65.48	23.88	-41.60		
7600.00	H	-79.72	24.02	-55.70		

Band	Band 4(QPSK, 20MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3440.00	Vertical	-58.45	23.40	-35.05	-13.00	PASS
5160.00	V	-63.14	23.69	-39.45		
6880.00	V	-78.32	23.75	-54.57		
3440.00	Horizontal	-57.01	23.40	-33.61		
5160.00	H	-63.24	23.69	-39.55		
6880.00	H	-75.79	23.75	-52.04		

Band	Band 4(QPSK, 20MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3465.00	Vertical	-58.04	23.42	-34.62	-13.00	PASS
5197.50	V	-68.73	23.73	-45.00		
6930.00	V	-77.65	23.79	-53.86		
3465.00	Horizontal	-55.55	23.42	-32.13		
5197.50	H	-63.89	23.73	-40.16		
6930.00	H	-77.20	23.79	-53.41		

Band	Band 4(QPSK, 20MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3490.00	Vertical	-60.12	23.46	-36.66	-13.00	PASS
5235.00	V	-69.15	23.77	-45.38		
6980.00	V	-76.06	23.81	-52.25		
3490.00	Horizontal	-55.87	23.46	-32.41		
5235.00	H	-65.44	23.77	-41.67		
6980.00	H	-79.17	23.81	-55.36		

Band	Band 4(16QAM, 20MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3440.00	Vertical	-59.84	23.40	-36.44	-13.00	PASS
5160.00	V	-65.52	23.69	-41.83		
6880.00	V	-77.82	23.75	-54.07		
3440.00	Horizontal	-57.34	23.40	-33.94		
5160.00	H	-63.61	23.69	-39.92		
6880.00	H	-76.91	23.75	-53.16		

Band	Band 4(16QAM, 20MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3465.00	Vertical	-58.23	23.42	-34.81	-13.00	PASS
5197.50	V	-69.52	23.73	-45.79		
6930.00	V	-78.09	23.79	-54.30		
3465.00	Horizontal	-57.15	23.42	-33.73		
5197.50	H	-65.98	23.73	-42.25		
6930.00	H	-78.55	23.79	-54.76		

Band	Band 4(16QAM, 20MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3490.00	Vertical	-60.98	23.46	-37.52	-13.00	PASS
5235.00	V	-69.02	23.77	-45.25		
6980.00	V	-78.73	23.81	-54.92		
3490.00	Horizontal	-56.45	23.46	-32.99		
5235.00	H	-67.05	23.77	-43.28		
6980.00	H	-79.23	23.81	-55.42		

Band	Band 5(QPSK, 10MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1658.00	Vertical	-60.19	23.15	-37.04	-13.00	PASS
2487.00	V	-63.43	23.24	-40.19		
3316.00	V	-78.31	23.35	-54.96		
1658.00	Horizontal	-58.56	23.15	-35.41		
2487.00	H	-60.72	23.24	-37.48		
3316.00	H	-76.64	23.35	-53.29		

Band	Band 5(QPSK, 10MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1673.00	Vertical	-58.02	23.17	-34.85	-13.00	PASS
2509.50	V	-69.05	23.26	-45.79		
3346.00	V	-76.71	23.38	-53.33		
1673.00	Horizontal	-57.12	23.17	-33.95		
2509.50	H	-63.06	23.26	-39.80		
3346.00	H	-76.95	23.38	-53.57		

Band	Band 5(QPSK, 10MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1688.00	Vertical	-61.63	23.19	-38.44	-13.00	PASS
2532.00	V	-70.73	23.28	-47.45		
3376.00	V	-82.35	23.40	-58.95		
1688.00	Horizontal	-56.42	23.19	-33.23		
2532.00	H	-65.51	23.28	-42.23		
3376.00	H	-81.11	23.40	-57.71		

Band	Band 5(16QAM, 10MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1658.00	Vertical	-57.86	23.15	-34.71	-13.00	PASS
2487.00	V	-63.11	23.24	-39.87		
3316.00	V	-78.92	23.35	-55.57		
1658.00	Horizontal	-57.32	23.15	-34.17		
2487.00	H	-63.52	23.24	-40.28		
3316.00	H	-77.73	23.35	-54.38		

Band	Band 5(16QAM, 10MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1673.00	Vertical	-58.39	23.17	-35.22	-13.00	PASS
2509.50	V	-69.26	23.26	-46.00		
3346.00	V	-76.92	23.38	-53.54		
1673.00	Horizontal	-55.37	23.17	-32.20		
2509.50	H	-64.51	23.26	-41.25		
3346.00	H	-78.04	23.38	-54.66		

Band	Band 5(16QAM, 10MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1688.00	Vertical	-60.48	23.19	-37.29	-13.00	PASS
2532.00	V	-69.01	23.28	-45.73		
3376.00	V	-77.85	23.40	-54.45		
1688.00	Horizontal	-56.59	23.19	-33.40		
2532.00	H	-66.27	23.28	-42.99		
3376.00	H	-80.48	23.40	-57.08		

Band	Band 12(QPSK, 10MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1408.00	Vertical	-59.03	23.03	-36.00	-13.00	PASS
2112.00	V	-65.13	23.16	-41.97		
2816.00	V	-79.91	23.25	-56.66		
1408.00	Horizontal	-58.90	23.03	-35.87		
2112.00	H	-61.58	23.16	-38.42		
2816.00	H	-77.20	23.25	-53.95		

Band	Band 12(QPSK, 10MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1415.00	Vertical	-58.36	23.05	-35.31	-13.00	PASS
2122.50	V	-68.79	23.18	-45.61		
2830.00	V	-77.64	23.28	-54.36		
1415.00	Horizontal	-55.66	23.05	-32.61		
2122.50	H	-62.33	23.18	-39.15		
2830.00	H	-76.52	23.28	-53.24		

Band	Band 12(QPSK, 10MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1422.00	Vertical	-61.39	23.08	-38.31	-13.00	PASS
2133.00	V	-70.24	23.20	-47.04		
2844.00	V	-81.93	23.31	-58.62		
1422.00	Horizontal	-55.91	23.08	-32.83		
2133.00	H	-64.69	23.20	-41.49		
2844.00	H	-80.37	23.31	-57.06		

Band	Band 12(16QAM, 10MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1408.00	Vertical	-58.89	23.03	-35.86	-13.00	PASS
2112.00	V	-62.26	23.16	-39.10		
2816.00	V	-79.51	23.25	-56.26		
1408.00	Horizontal	-57.11	23.03	-34.08		
2112.00	H	-62.90	23.16	-39.74		
2816.00	H	-77.45	23.25	-54.20		

Band	Band 12(16QAM, 10MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1415.00	Vertical	-57.59	23.05	-34.54	-13.00	PASS
2122.50	V	-69.44	23.18	-46.26		
2830.00	V	-77.47	23.28	-54.19		
1415.00	Horizontal	-57.60	23.05	-34.55		
2122.50	H	-64.85	23.18	-41.67		
2830.00	H	-77.19	23.28	-53.91		

Band	Band 12(16QAM, 10MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1422.00	Vertical	-59.95	23.08	-36.87	-13.00	PASS
2133.00	V	-69.05	23.20	-45.85		
2844.00	V	-76.75	23.31	-53.44		
1422.00	Horizontal	-56.16	23.08	-33.08		
2133.00	H	-66.07	23.20	-42.87		
2844.00	H	-79.12	23.31	-55.81		

Band	Band 13(QPSK, 10MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1564.00	Vertical	-66.23	23.06	-43.17	-40.00	PASS
2346.00	V	-64.27	23.17	-41.10	-13.00	
3128.00	V	-79.34	23.27	-56.07	-13.00	
1564.00	Horizontal	-67.54	23.05	-44.49	-40.00	
2346.00	H	-61.37	23.18	-38.19	-13.00	
3128.00	H	-76.85	23.28	-53.57	-13.00	

Band	Band 13(QPSK, 10MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1564.00	Vertical	-67.13	23.07	-45.77	-40.00	PASS
2346.00	V	-68.96	23.19	-53.12	-13.00	
3128.00	V	-76.41	23.29	-42.16	-13.00	
1564.00	Horizontal	-65.23	23.07	-40.33	-40.00	
2346.00	H	-63.52	23.19	-53.79	-13.00	
3128.00	H	-77.09	23.30	-45.77	-13.00	

Band	Band 13(QPSK, 10MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1564.00	Vertical	-67.04	23.08	-43.96	-40.00	PASS
2346.00	V	-69.12	23.20	-45.92	-13.00	
3128.00	V	-81.30	23.31	-57.99	-13.00	
1564.00	Horizontal	-66.93	23.08	-43.85	-40.00	
2346.00	H	-63.98	23.20	-40.78	-13.00	
3128.00	H	-79.31	23.31	-56.00	-13.00	

Band	Band 13(16QAM, 10MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1564.00	Vertical	-67.46	23.06	-44.40	-40.00	PASS
2346.00	V	-62.91	23.17	-39.74	-13.00	
3128.00	V	-78.99	23.27	-55.72	-13.00	
1564.00	Horizontal	-65.73	23.05	-42.68	-40.00	
2346.00	H	-64.10	23.18	-40.92	-13.00	
3128.00	H	-75.92	23.28	-52.64	-13.00	

Band	Band 13(16QAM, 10MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1564.00	Vertical	-68.15	23.07	-45.08	-40.00	PASS
2346.00	V	-68.40	23.19	-45.21	-13.00	
3128.00	V	-76.55	23.29	-53.26	-13.00	
1564.00	Horizontal	-67.30	23.07	-44.23	-40.00	
2346.00	H	-62.56	23.19	-39.37	-13.00	
3128.00	H	-77.44	23.30	-54.14	-13.00	

Band	Band 13(16QAM, 10MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1564.00	Vertical	-66.71	23.08	-43.63	-40.00	PASS
2346.00	V	-69.07	23.20	-45.87	-13.00	
3128.00	V	-76.15	23.31	-52.84	-13.00	
1564.00	Horizontal	-67.66	23.08	-44.58	-40.00	
2346.00	H	-63.79	23.20	-40.59	-13.00	
3128.00	H	-78.93	23.31	-55.62	-13.00	

Band	Band 17(QPSK, 10MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1418.00	Vertical	-59.34	23.06	-36.28	-13.00	PASS
2127.00	V	-63.81	23.17	-40.64		
2836.00	V	-79.68	23.27	-56.41		
1418.00	Horizontal	-58.94	23.05	-35.89		
2127.00	H	-61.81	23.18	-38.63		
2836.00	H	-76.87	23.28	-53.59		

Band	Band 17(QPSK, 10MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1420.00	Vertical	-57.56	23.07	-34.49	-13.00	PASS
2130.00	V	-69.07	23.19	-45.88		
2840.00	V	-77.14	23.29	-53.85		
1420.00	Horizontal	-55.59	23.07	-32.52		
2130.00	H	-63.50	23.19	-40.31		
2840.00	H	-78.04	23.30	-54.74		

Band	Band 17(QPSK, 10MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1422.00	Vertical	-59.38	23.08	-36.30	-13.00	PASS
2133.00	V	-70.33	23.20	-47.13		
2844.00	V	-82.12	23.31	-58.81		
1422.00	Horizontal	-55.05	23.08	-31.97		
2133.00	H	-64.66	23.20	-41.46		
2844.00	H	-79.36	23.31	-56.05		

Band	Band 17(16QAM, 10MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1418.00	Vertical	-59.08	23.06	-36.02	-13.00	PASS
2127.00	V	-63.77	23.17	-40.60		
2836.00	V	-79.48	23.27	-56.21		
1418.00	Horizontal	-55.84	23.05	-32.79		
2127.00	H	-64.40	23.18	-41.22		
2836.00	H	-75.25	23.28	-51.97		

Band	Band 17(16QAM, 10MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1420.00	Vertical	-57.40	23.07	-34.33	-13.00	PASS
2130.00	V	-69.24	23.19	-46.05		
2840.00	V	-76.44	23.29	-53.15		
1420.00	Horizontal	-56.29	23.07	-33.22		
2130.00	H	-63.40	23.19	-40.21		
2840.00	H	-77.43	23.30	-54.13		

Band	Band 17(16QAM, 10MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
1422.00	Vertical	-60.63	23.08	-37.55	-13.00	PASS
2133.00	V	-69.07	23.20	-45.87		
2844.00	V	-76.65	23.31	-53.34		
1422.00	Horizontal	-56.77	23.08	-33.69		
2133.00	H	-65.17	23.20	-41.97		
2844.00	H	-78.08	23.31	-54.77		

Band	Band 41(QPSK, 20MHz)	Test channel:	Lowest
Test mode:		Temperature:	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
5012.00	Vertical	-60.98	22.16	-38.82	-25.00	PASS
7518.00	V	-66.53	22.99	-43.54		
10024.00	V	-81.10	23.04	-58.06		
5012.00	Horizontal	-61.15	22.16	-38.99		
7518.00	H	-62.77	22.99	-39.78		
10024.00	H	-79.13	23.04	-56.09		

Band	Band 41(QPSK, 20MHz)	Test channel:	Middle
Test mode:		Temperature:	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
5186.00	Vertical	-60.91	22.76	-38.15	-25.00	PASS
7779.00	V	-70.64	23.07	-47.57		
10372.00	V	-80.39	23.11	-57.28		
5186.00	Horizontal	-56.81	22.76	-34.05		
7779.00	H	-63.79	23.07	-40.72		
10372.00	H	-79.35	23.11	-56.24		

Band	Band 41(QPSK, 20MHz)	Test channel:	Highest
Test mode:		Temperature:	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
5360.00	Vertical	-62.59	22.42	-40.17	-25.00	PASS
8040.00	V	-72.41	22.33	-50.08		
10720.00	V	-83.02	23.00	-60.02		
5360.00	Horizontal	-57.77	22.42	-35.35		
8040.00	H	-65.83	22.33	-43.50		
10720.00	H	-82.67	23.00	-59.67		

Band	Band 41(16QAM, 20MHz)	Test channel:	Lowest
Test mode:		Temperature:	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
5012.00	Vertical	-60.42	22.16	-38.26	-25.00	PASS
7518.00	V	-63.88	22.99	-40.89		
10024.00	V	-82.18	23.04	-59.14		
5012.00	Horizontal	-58.64	22.16	-36.48		
7518.00	H	-65.16	22.99	-42.17		
10024.00	H	-78.82	23.04	-55.78		

Band	Band 41(16QAM, 20MHz)	Test channel:	Middle
Test mode:		Temperature:	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
5186.00	Vertical	-60.30	22.76	-37.54	-25.00	PASS
7779.00	V	-70.42	23.07	-47.35		
10372.00	V	-79.39	23.11	-56.28		
5186.00	Horizontal	-59.08	22.76	-36.32		
7779.00	H	-65.89	23.07	-42.82		
10372.00	H	-78.94	23.11	-55.83		

Band	Band 41(16QAM, 20MHz)	Test channel:	Highest
Test mode:		Temperature:	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
5360.00	Vertical	-61.30	22.42	-38.88	-25.00	PASS
8040.00	V	-70.77	22.33	-48.44		
10720.00	V	-79.18	23.00	-56.18		
5360.00	Horizontal	-58.15	22.42	-35.73		
8040.00	H	-66.92	22.33	-44.59		
10720.00	H	-81.14	23.00	-58.14		

Band	Band 66(QPSK, 20MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3440.00	Vertical	-59.78	23.40	-36.38	-13.00	PASS
5160.00	V	-64.25	23.69	-40.56		
6880.00	V	-79.76	23.75	-56.01		
3440.00	Horizontal	-59.30	23.40	-35.90		
5160.00	H	-63.06	23.69	-39.37		
6880.00	H	-75.80	23.75	-52.05		

Band	Band 66(QPSK, 20MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3510.00	Vertical	-57.50	23.42	-34.08	-13.00	PASS
5265.00	V	-69.45	23.73	-45.72		
7020.00	V	-77.62	23.79	-53.83		
3510.00	Horizontal	-55.27	23.42	-31.85		
5265.00	H	-63.80	23.73	-40.07		
7020.00	H	-77.17	23.79	-53.38		

Band	Band 66(QPSK, 20MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3540.00	Vertical	-59.39	23.46	-35.93	-13.00	PASS
5310.00	V	-69.78	23.77	-46.01		
7080.00	V	-81.73	23.81	-57.92		
3540.00	Horizontal	-55.96	23.46	-32.50		
5310.00	H	-65.15	23.77	-41.38		
7080.00	H	-80.50	23.81	-56.69		

Band	Band 66(16QAM, 20MHz)	Test channel:	Lowest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3440.00	Vertical	-58.85	23.40	-35.45	-13.00	PASS
5160.00	V	-64.15	23.69	-40.46		
6880.00	V	-78.80	23.75	-55.05		
3440.00	Horizontal	-56.60	23.40	-33.20		
5160.00	H	-63.28	23.69	-39.59		
6880.00	H	-75.11	23.75	-51.36		

Band	Band 66(16QAM, 20MHz)	Test channel:	Middle
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3510.00	Vertical	-57.29	23.42	-33.87	-13.00	PASS
5265.00	V	-69.38	23.73	-45.65		
7020.00	V	-77.41	23.79	-53.62		
3510.00	Horizontal	-55.95	23.42	-32.53		
5265.00	H	-63.86	23.73	-40.13		
7020.00	H	-77.01	23.79	-53.22		

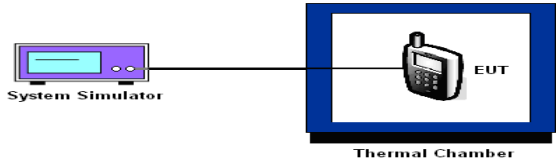
Band	Band 66(16QAM, 20MHz)	Test channel:	Highest
Test mode:		Temperature :	25°C
		Relative Humidity:	56%

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Frequency (MHz)	Spurious Emission				Limit (dBm)	Result
	Polarization	Level (dBm)	Correction Factor (dB)	Spurious emissions (dBm)		
3540.00	Vertical	-60.11	23.46	-36.65	-13.00	PASS
5310.00	V	-69.28	23.77	-45.51		
7080.00	V	-76.93	23.81	-53.12		
3540.00	Horizontal	-55.08	23.46	-31.62		
5310.00	H	-64.72	23.77	-40.95		
7080.00	H	-79.35	23.81	-55.54		

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:	 <p>The diagram illustrates the test setup. On the left is a 'System Simulator' device. A line connects it to a 'Thermal Chamber' on the right. Inside the thermal chamber, an 'EUT' (Equipment Under Test) is shown.</p>
Test Procedure:	<p>Test Procedures for Temperature Variation</p> <ol style="list-style-type: none"> 1. The testing follows FCC KDB 971168 D01v03 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. <p>Test Procedures for Voltage Variation</p> <ol style="list-style-type: none"> 1. The testing follows FCC KDB 971168 D01v03 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. 5. 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 2, 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, 5M is for LTE Band 17, 5M is for LTE Band 41, 1.4M is for LTE Band 66
Test Result:	PASS

5.6.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jul. 07, 2022
Programable tempratuce and humidity chamber	JQ	MHU-80L	N/A	Jul. 18, 2022
DC power supply	Kingrang	KR3005K	N/A	Jul. 18, 2022
RF cable (9kHz-40GHz)	TCT	RE-04	N/A	Jul. 18, 2022
Antenna Connector	TCT	RFC-03	N/A	Jul. 18, 2022

Appendix B: Photographs of Test Setup

Refer to the test report No. TCT211201E015

Appendix C: Photographs of EUT

Refer to the test report No. TCT211201E015

**Test Data for Appendix For LTE Band 2, Appendix For LTE Band 4,
Appendix For LTE Band 5, Appendix For LTE Band 12, Appendix For LTE
Band 13, Appendix For LTE Band 17, Appendix For LTE Band 41 and
Appendix For LTE Band 66**

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