

TEST REPORT

FCC ID..... :	2BAHU2023002	
Test Report No..... :	TCT230619E911	
Date of issue..... :	Jun. 29, 2023	
Testing laboratory	SHENZHEN TONGCE TESTING LAB	
Testing location/ address:	2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China	
Applicant's name..... :	DIALN PRODUCTS INC.	
Address..... :	8312 Page Ave, Saint Louis, Missouri 63130, United States	
Manufacturer's name ... :	SHENZHEN JREN TECHNOLOGY CO., LTD	
Address..... :	B Area, 9/F, A4 Building, Tianrui Industrial Park, No. 35, Fuyuan 1st Road, Zhancheng, Fuhai, Baoan District, Shenzhen, China.	
Standard(s)	FCC CFR Title 47 Part 2 FCC CFR Title 47 Part22 FCC CFR Title 47 Part24 FCC CFR Title 47 Part27	
Product Name..... :	LTE Tablet	
Trade Mark	DIALN	
Model/Type reference..... :	X10G, X10M	
Rating(s)..... :	Refer to EUT description of page 4	
Date of receipt of test item	Jun. 19, 2023	
Date (s) of performance of test..... :	Jun. 19, 2023 - Jun. 29, 2023	
Tested by (+signature) ... :	Rleo LIU	
Check by (+signature).... :	Beryl ZHAO	
Approved by (+signature):	Tomsin	

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1. General Product Information

1.1. EUT description

Product Name.....:	LTE Tablet
Model/Type reference.....:	X10G
Sample Number.....:	TCT230619E901-0101
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 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 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 66: 2110 MHz ~ 2180 MHz LTE Band 71: 617 MHz ~ 652 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 66: 1.4MHz /3MHz /5MHz /10MHz /15MHz /20MHz LTE Band 71: 5MHz /10MHz /15MHz /20MHz
Maximum Output Power to Antenna.....:	LTE Band 2: 23.40dBm LTE Band 4: 23.23dBm LTE Band 5: 23.28dBm LTE Band 12: 22.82dBm LTE Band 66: 23.29dBm LTE Band 71: 22.81dBm
99% Occupied Bandwidth.....:	LTE Band 2: 18M0G7D LTE Band 4: 18M0G7D LTE Band 5: 8M99G7D LTE Band 12: 9M00W7D LTE Band 66: 18M0G7D LTE Band 71: 18M0G7D
Type of Modulation.....:	QPSK/16QAM
Antenna Type.....:	Internal Antenna
Antenna Gain.....:	LTE Band 2: 1.1dBi LTE Band 4: 1.0dBi LTE Band 5: 0.8dBi LTE Band 12: 0.5dBi LTE Band 66: 1.0dBi LTE Band 71: 0.5dBi

Rating(s).....:

Adapter Information:

MODEL: BOS050200-01A

INPUT: AC 100-240V, 50/60Hz, 0.45A

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.

1.2. Model(s) list

No.	Model No.	Tested with
1	X10G	☒
Other models	X10M	☐

Note: X10G 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 X10G 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	0.272	1M09W7D	0.254
3	2M70G7D	0.275	2M70W7D	0.207
5	4M50G7D	0.274	4M50W7D	0.223
10	8M99G7D	0.271	8M98W7D	0.242
15	13M5G7D	0.270	13M5W7D	0.238
20	18M0G7D	0.282	18M0W7D	0.230

LTE Band 4	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
1.4	1M09G7D	0.262	1M09W7D	0.227
3	2M70G7D	0.254	2M70W7D	0.222
5	4M50G7D	0.265	4M51W7D	0.215
10	9M00G7D	0.260	8M98W7D	0.230
15	13M5G7D	0.259	13M5W7D	0.234
20	18M0G7D	0.262	18M0W7D	0.221

LTE Band 5	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
1.4	1M09G7D	0.156	1M09W7D	0.140
3	2M70G7D	0.155	2M70W7D	0.123
5	4M50G7D	0.155	4M51W7D	0.125
10	8M99G7D	0.153	8M99W7D	0.133

LTE Band 12	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
1.4	1M09G7D	0.131	1M09W7D	0.104
3	2M70G7D	0.124	2M70W7D	0.099
5	4M49G7D	0.126	4M49W7D	0.097
10	8M99G7D	0.124	9M00W7D	0.109

LTE Band 66	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
1.4	1M09G7D	0.265	1M09W7D	0.245
3	2M70G7D	0.267	2M70W7D	0.203
5	4M50G7D	0.269	4M51W7D	0.204
10	9M00G7D	0.262	8M98W7D	0.236
15	13M5G7D	0.266	13M5W7D	0.229
20	18M0G7D	0.267	18M0W7D	0.231

LTE Band 71	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	4M49G7D	0.129	4M49W7D	0.100
10	9M00G7D	0.131	8M99W7D	0.109
15	13M5G7D	0.130	13M5W7D	0.109
20	18M0G7D	0.128	18M0W7D	0.107

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 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)	
132047	1717.5	132072	1720
132422	1755	132422	1755
132597	1772.5	132572	1770

LTE Band 71(5MHz)		LTE Band 71(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
133147	665.5	133172	668
133297	680.5	133297	680.5
133447	695.5	133422	693
LTE Band 71(15MHz)		LTE Band 71(20MHz)	
133197	670.5	133222	673
133297	680.5	133322	683
133397	690.5	133372	688

2. Test Result Summary

Requirement	CFR 47 Section	Result
Conducted Output Power	§2.1046; §22.913; §24.232(c); §27.50(d); §27.50(c); §27.50(b);	PASS
Peak-to-Average Ratio	§2.1046; §24.232(d) §27.50(d); §27.50(c); §27.50(b);	PASS
Effective Radiated Power	§2.1046; §22.913; §24.232(c); §27.50(d); §27.50(c); §27.50(b);	PASS
Equivalent Isotropic Radiated Power	§2.1046; §22.913; §24.232(c); §27.50(d); §27.50(c); §27.50(b);	PASS
Occupied Bandwidth	§2.1049; §24.238(b); §27.53;	PASS
Band Edge	§2.1051; §22.917(a); §27.53(h); §27.53(c); §27.53(g); §24.238(a);	PASS
Conducted Spurious Emission	§2.1051; §22.917(a); §27.53(h); §27.53(g); §27.53(c); §24.238(a);	PASS
Field Strength of Spurious Radiation	§2.1053; §22.917(a); §27.53(g) ; §27.53(c); §27.53(h); §24.238(a);	PASS
Frequency Stability for Temperature & Voltage	§2.1055; §22.355; §27.54; §24.235;	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.
5. Those test results (Conducted Output Power, Peak-to-Average Ratio, Effective Radiated Power, Equivalent Isotropic Radiated Power, Occupied Bandwidth, Band Edge, Conducted Spurious Emission, Frequency Stability for Temperature & Voltage) was based on FCC ID: 2BAHU2023002; Change product model No. and shell material of EUT.

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 66	QPSK Link (1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz)	16QAM Link (1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz)
LTE Band 71	QPSK Link (5MHz / 10MHz / 15MHz / 20MHz)	16QAM Link (5MHz / 10MHz / 15MHz / 20MHz)

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power 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
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	71	-	-	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
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	71	-	-	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
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	71	-	-	v	v	v	v	v	v	v	v	v	v	v	v

Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v	v	v	v	-	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
	66	v	v	v	v	v	v	v	v	v	v	v	v	-	v
	71	-	-	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
	66	v	v	v	v	v	v	v	v	v	-	-	v	v	v
	71	-	-	v	v	v	v	v	v	v	-	-	v	v	v
Frequency Stability	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
	66	v	v	v	v	v	v	v	v	v	-	-	v	v	v
	71	-	-	v	v	v	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
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	71	-	-	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
	66	-	-	-	-	-	v	v	v	v	-	-	v	v	v
	71	-	-	-	-	-	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

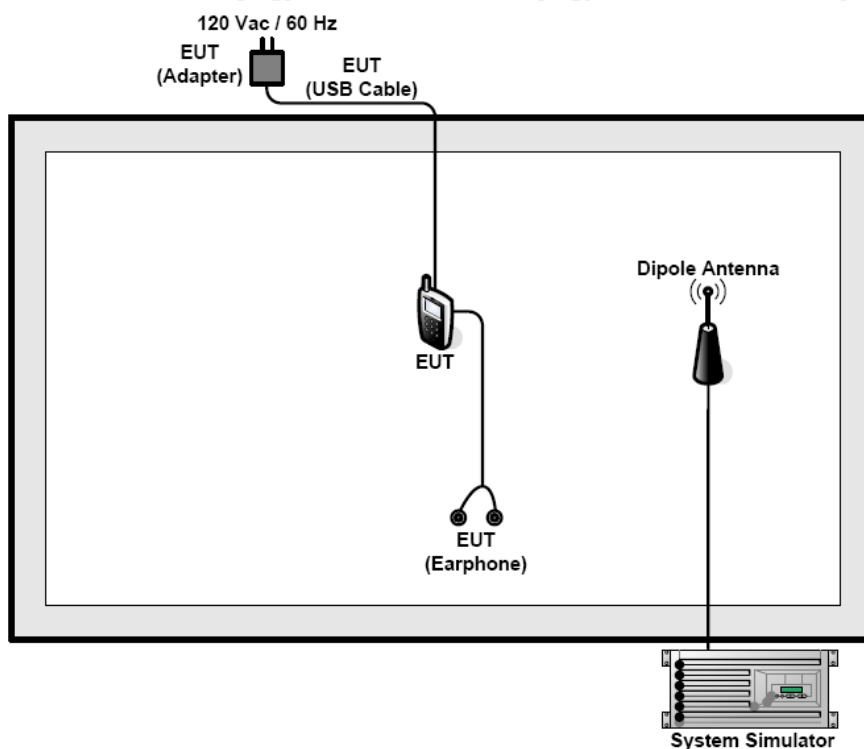
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

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.

$$\text{Offset} = \text{RF cable loss} + \text{attenuator factor}.$$

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: 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: 86-755-27673339

4.3. Measurement Uncertainty

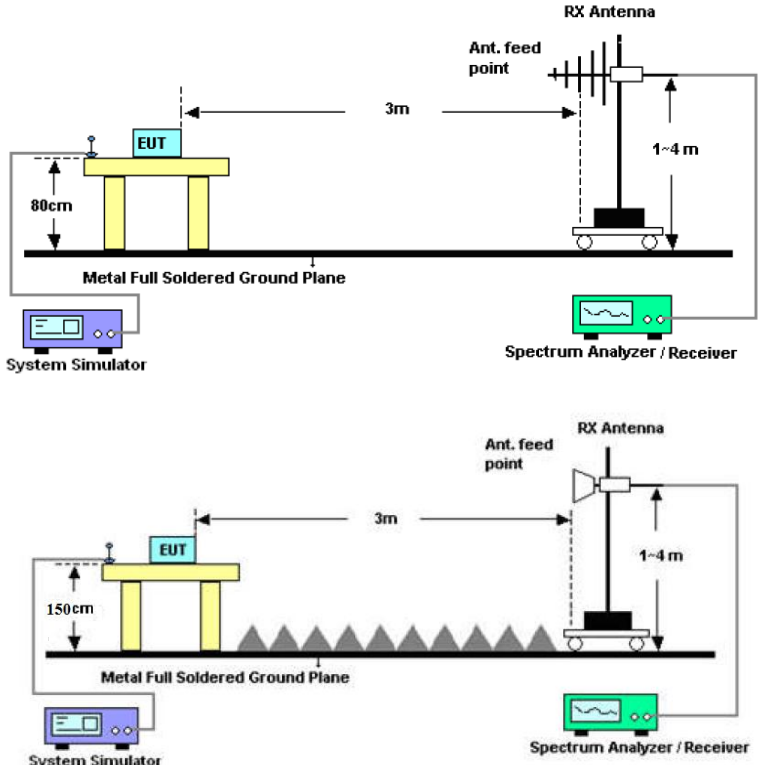
The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

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	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. Field Strength of Spurious Radiation Measurement

5.1.1. 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:	 The test setup diagrams show two configurations. In the top diagram, the EUT is on a table 80cm high, and the RX Antenna is at a height of 1~4m, with a horizontal distance of 3m. In the bottom diagram, the EUT is on a table 150cm high, and the RX Antenna is at a height of 1~4m, with a horizontal distance of 3m. Both setups include a System Simulator and a Spectrum Analyzer / Receiver connected to the RX Antenna.
Test Procedure:	1. The testing follows FCC KDB 971168 D01v03 Section 5.8 and ANSI / TIA-603-D-2010Section 2.2.12. 2. The EUT was placed on a rotatable wooden table 0.8 meters above the ground. 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower. 4. The table was rotated 360 degrees to determine the position of the highest spurious emission. 5. The height of the receiving antenna is varied between one meter and four meters to search for the maximum spurious emission for both horizontal and vertical polarizations. 6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of

	maximum spurious emission. 7. A horn antenna was substituted in place of the EUT and was driven by a signal generator. 8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission. 9. Taking the record of output power at antenna port. 10. Repeat step 7 to step 8 for another polarization. 11. $EIRP\ (dBm) = S.G.\ Power - Tx\ Cable\ Loss + Tx\ Antenna\ Gain$ 12. $ERP\ (dBm) = EIRP - 2.15$ 13. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 14. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts) $= P(W) - [43 + 10\log(P)]\ (dB)$ $= [30 + 10\log(P)]\ (dBm) - [43 + 10\log(P)]\ (dB)$ $= -13dBm.$
Test results:	PASS
Remark:	All modulations have been tested, but only the worst modulation show in this test item.

5.1.2. 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. 04, 2023
Spectrum Analyzer	R&S	FSQ40	200061	Jul. 03, 2023
Signal Generator	HP	83623B	3614A00396	Feb. 24, 2024
Broadband Antenna	Schwarzbeck	VULB9163	340	Jul. 05, 2023
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jul. 05, 2023
Broadband Antenna	Schwarzbeck	VULB9163	412	Jul. 05, 2023
Horn Antenna	Schwarzbeck	BBHA 9120D	1201	Jul. 05, 2023
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Feb. 24, 2024
Coaxial cable	SKET	RC-18G-N-M	/	Feb. 24, 2024
Coaxial cable	SKET	RC_40G-K-M	/	Feb. 24, 2024
Antenna Mast	Keleto	RE-AM	/	/
EMI Test Software	Shurple Technology	EZ-EMC	/	/

5.1.3. Test Data

Frequency Range (9 kHz-30MHz)

Frequency (MHz)	Level@3m (dBμV/m)	Limit@3m (dBμV/m)
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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	-60.72	23.54	-37.18	-13.00	PASS
5580.00	V	-65.23	23.81	-41.42		
7440.00	V	-80.71	23.96	-56.75		
3720.00	Horizontal	-59.76	23.54	-36.22		
5580.00	H	-65.99	23.81	-42.18		
7440.00	H	-78.64	23.96	-54.68		
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	-61.10	23.58	-37.52	-13.00	PASS
5640.00	V	-73.42	23.85	-49.57		
7520.00	V	-80.84	23.99	-56.85		
3760.00	Horizontal	-59.99	23.58	-36.41		
5640.00	H	-65.23	23.85	-41.38		
7520.00	H	-80.41	23.99	-56.42		
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	-63.03	23.60	-39.43	-13.00	PASS
5700.00	V	-71.56	23.88	-47.68		
7600.00	V	-79.90	24.02	-55.88		
3800.00	Horizontal	-57.83	23.60	-34.23		
5700.00	H	-67.64	23.88	-43.76		
7600.00	H	-81.11	24.02	-57.09		

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	-61.02	23.54	-37.48	-13.00	PASS
5580.00	V	-67.11	23.81	-43.30		
7440.00	V	-78.99	23.96	-55.03		
3720.00	Horizontal	-59.42	23.54	-35.88		
5580.00	H	-66.33	23.81	-42.52		
7440.00	H	-77.75	23.96	-53.79		

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	-62.90	23.58	-39.32	-13.00	PASS
5640.00	V	-70.64	23.85	-46.79		
7520.00	V	-78.83	23.99	-54.84		
3760.00	Horizontal	-58.91	23.58	-35.33		
5640.00	H	-67.00	23.85	-43.15		
7520.00	H	-80.63	23.99	-56.64		

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	-62.61	23.60	-39.01	-13.00	PASS
5700.00	V	-72.13	23.88	-48.25		
7600.00	V	-80.55	24.02	-56.53		
3800.00	Horizontal	-59.23	23.60	-35.63		
5700.00	H	-67.98	23.88	-44.10		
7600.00	H	-82.24	24.02	-58.22		

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	-61.26	23.40	-37.86	-13.00	PASS
5160.00	V	-65.00	23.69	-41.31		
6880.00	V	-80.70	23.75	-56.95		
3440.00	Horizontal	-57.65	23.40	-34.25		
5160.00	H	-64.63	23.69	-40.94		
6880.00	H	-77.82	23.75	-54.07		

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	-61.24	23.42	-37.82	-13.00	PASS
5197.50	V	-72.31	23.73	-48.58		
6930.00	V	-80.04	23.79	-56.25		
3465.00	Horizontal	-58.57	23.42	-35.15		
5197.50	H	-65.52	23.73	-41.79		
6930.00	H	-78.98	23.79	-55.19		

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	-63.22	23.46	-39.76	-13.00	PASS
5235.00	V	-71.05	23.77	-47.28		
6980.00	V	-78.53	23.81	-54.72		
3490.00	Horizontal	-58.69	23.46	-35.23		
5235.00	H	-67.35	23.77	-43.58		
6980.00	H	-81.94	23.81	-58.13		

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	-61.45	23.40	-38.05	-13.00	PASS
5160.00	V	-67.34	23.69	-43.65		
6880.00	V	-80.52	23.75	-56.77		
3440.00	Horizontal	-59.26	23.40	-35.86		
5160.00	H	-66.86	23.69	-43.17		
6880.00	H	-79.31	23.75	-55.56		

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	-60.34	23.42	-36.92	-13.00	PASS
5197.50	V	-71.68	23.73	-47.95		
6930.00	V	-80.45	23.79	-56.66		
3465.00	Horizontal	-59.91	23.42	-36.49		
5197.50	H	-67.48	23.73	-43.75		
6930.00	H	-80.89	23.79	-57.10		

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	-62.95	23.46	-39.49	-13.00	PASS
5235.00	V	-72.13	23.77	-48.36		
6980.00	V	-80.83	23.81	-57.02		
3490.00	Horizontal	-58.64	23.46	-35.18		
5235.00	H	-70.01	23.77	-46.24		
6980.00	H	-81.16	23.81	-57.35		

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	-62.23	23.15	-39.08	-13.00	PASS
2487.00	V	-65.79	23.24	-42.55		
3316.00	V	-81.38	23.35	-58.03		
1658.00	Horizontal	-61.52	23.15	-38.37		
2487.00	H	-63.75	23.24	-40.51		
3316.00	H	-78.01	23.35	-54.66		

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	-60.52	23.17	-37.35	-13.00	PASS
2509.50	V	-72.56	23.26	-49.30		
3346.00	V	-77.92	23.38	-54.54		
1673.00	Horizontal	-59.04	23.17	-35.87		
2509.50	H	-65.96	23.26	-42.70		
3346.00	H	-79.74	23.38	-56.36		

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	-64.41	23.19	-41.22	-13.00	PASS
2532.00	V	-72.90	23.28	-49.62		
3376.00	V	-84.61	23.40	-61.21		
1688.00	Horizontal	-59.36	23.19	-36.17		
2532.00	H	-67.67	23.28	-44.39		
3376.00	H	-83.12	23.40	-59.72		

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	-60.72	23.15	-37.57	-13.00	PASS
2487.00	V	-66.08	23.24	-42.84		
3316.00	V	-82.99	23.35	-59.64		
1658.00	Horizontal	-60.13	23.15	-36.98		
2487.00	H	-66.28	23.24	-43.04		
3316.00	H	-79.76	23.35	-56.41		

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	-60.15	23.17	-36.98	-13.00	PASS
2509.50	V	-71.81	23.26	-48.55		
3346.00	V	-78.95	23.38	-55.57		
1673.00	Horizontal	-57.27	23.17	-34.10		
2509.50	H	-66.98	23.26	-43.72		
3346.00	H	-79.69	23.38	-56.31		

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	-61.71	23.19	-38.52	-13.00	PASS
2532.00	V	-70.93	23.28	-47.65		
3376.00	V	-80.07	23.40	-56.67		
1688.00	Horizontal	-58.52	23.19	-35.33		
2532.00	H	-68.44	23.28	-45.16		
3376.00	H	-82.23	23.40	-58.83		

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	-61.46	23.03	-38.43	-13.00	PASS
2112.00	V	-67.42	23.16	-44.26		
2816.00	V	-81.67	23.25	-58.42		
1408.00	Horizontal	-61.83	23.03	-38.80		
2112.00	H	-63.81	23.16	-40.65		
2816.00	H	-79.15	23.25	-55.90		

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	-60.27	23.05	-37.22	-13.00	PASS
2122.50	V	-71.75	23.18	-48.57		
2830.00	V	-80.61	23.28	-57.33		
1415.00	Horizontal	-58.23	23.05	-35.18		
2122.50	H	-65.02	23.18	-41.84		
2830.00	H	-79.08	23.28	-55.80		

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	-64.09	23.08	-41.01	-13.00	PASS
2133.00	V	-73.10	23.20	-49.90		
2844.00	V	-84.26	23.31	-60.95		
1422.00	Horizontal	-58.87	23.08	-35.79		
2133.00	H	-67.32	23.20	-44.12		
2844.00	H	-82.55	23.31	-59.24		

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	-61.31	23.03	-38.28	-13.00	PASS
2112.00	V	-64.57	23.16	-41.41		
2816.00	V	-82.62	23.25	-59.37		
1408.00	Horizontal	-61.18	23.03	-38.15		
2112.00	H	-65.20	23.16	-42.04		
2816.00	H	-80.63	23.25	-57.38		

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	-60.92	23.05	-37.87	-13.00	PASS
2122.50	V	-70.83	23.18	-47.65		
2830.00	V	-80.56	23.28	-57.28		
1415.00	Horizontal	-59.20	23.05	-36.15		
2122.50	H	-66.36	23.18	-43.18		
2830.00	H	-80.29	23.28	-57.01		

2880.00	11	00:20	20:20	57.01		
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	-63.01	23.08	-39.93	-13.00	PASS
2133.00	V	-71.84	23.20	-48.64		
2844.00	V	-79.36	23.31	-56.05		
1422.00	Horizontal	-58.74	23.08	-35.66		
2133.00	H	-67.13	23.20	-43.93		
2844.00	H	-81.42	23.31	-58.11		

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	-62.76	23.40	-39.36	-13.00	PASS
5160.00	V	-66.52	23.69	-42.83		
6880.00	V	-83.50	23.75	-59.75		
3440.00	Horizontal	-61.78	23.40	-38.38		
5160.00	H	-65.23	23.69	-41.54		
6880.00	H	-78.84	23.75	-55.09		

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	-61.02	23.42	-37.60	-13.00	PASS
5265.00	V	-71.88	23.73	-48.15		
7020.00	V	-80.19	23.79	-56.40		
3510.00	Horizontal	-59.53	23.42	-36.11		
5265.00	H	-64.71	23.73	-40.98		
7020.00	H	-80.46	23.79	-56.67		

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	-61.32	23.46	-37.86	-13.00	PASS
5310.00	V	-74.24	23.77	-50.47		
7080.00	V	-84.62	23.81	-60.81		
3540.00	Horizontal	-57.90	23.46	-34.44		
5310.00	H	-67.38	23.77	-43.61		
7080.00	H	-83.54	23.81	-59.73		

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	-62.70	23.40	-39.30	-13.00	PASS
5160.00	V	-67.22	23.69	-43.53		
6880.00	V	-82.59	23.75	-58.84		
3440.00	Horizontal	-58.01	23.40	-34.61		
5160.00	H	-66.99	23.69	-43.30		
6880.00	H	-78.06	23.75	-54.31		

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	-60.36	23.42	-36.94	-13.00	PASS
5265.00	V	-72.04	23.73	-48.31		
7020.00	V	-79.81	23.79	-56.02		
3510.00	Horizontal	-57.17	23.42	-33.75		
5265.00	H	-66.24	23.73	-42.51		
7020.00	H	-80.59	23.79	-56.80		

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	-62.17	23.46	-38.71	-13.00	PASS
5310.00	V	-71.92	23.77	-48.15		
7080.00	V	-79.83	23.81	-56.02		
3540.00	Horizontal	-58.64	23.46	-35.18		
5310.00	H	-68.01	23.77	-44.24		
7080.00	H	-82.58	23.81	-58.77		

Band	Band 71(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)		
1346.00	Vertical	-60.68	23.40	-37.28	-13.00	PASS
2019.00	V	-66.63	23.69	-42.94		
2692.00	V	-81.99	23.75	-58.24		
1346.00	Horizontal	-60.12	23.40	-36.72		
2019.00	H	-63.95	23.69	-40.26		
2692.00	H	-78.52	23.75	-54.77		

Band	Band 71(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)		
1366.00	Vertical	-61.44	23.42	-38.02	-13.00	PASS
2049.00	V	-72.13	23.73	-48.40		
2732.00	V	-79.79	23.79	-56.00		
1366.00	Horizontal	-58.30	23.42	-34.88		
2049.00	H	-65.92	23.73	-42.19		
2732.00	H	-79.97	23.79	-56.18		

Band	Band 71(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)		
1376.00	Vertical	-61.72	23.46	-38.26	-13.00	PASS
2064.00	V	-72.55	23.77	-48.78		
2752.00	V	-83.20	23.81	-59.39		
1376.00	Horizontal	-59.71	23.46	-36.25		
2064.00	H	-67.99	23.77	-44.22		
2752.00	H	-82.74	23.81	-58.93		

Band	Band 71(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)		
1346.00	Vertical	-60.11	23.40	-36.71	-13.00	PASS
2019.00	V	-64.30	23.69	-40.61		
2692.00	V	-82.12	23.75	-58.37		
1346.00	Horizontal	-58.46	23.40	-35.06		
2019.00	H	-66.99	23.69	-43.30		
2692.00	H	-78.27	23.75	-54.52		

Band	Band 71(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)		
1366.00	Vertical	-58.57	23.42	-35.15	-13.00	PASS
2049.00	V	-70.90	23.73	-47.17		
2732.00	V	-77.95	23.79	-54.16		
1366.00	Horizontal	-58.44	23.42	-35.02		
2049.00	H	-67.81	23.73	-44.08		
2732.00	H	-79.92	23.79	-56.13		

2702.00	11	19.92	28.75	58.18	
Band	Band 71(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)		
1376.00	Vertical	-62.24	23.46	-38.78	-13.00	PASS
2064.00	V	-69.60	23.77	-45.83		
2752.00	V	-79.24	23.81	-55.43		
1376.00	Horizontal	-59.28	23.46	-35.82		
2064.00	H	-67.18	23.77	-43.41		
2752.00	H	-82.07	23.81	-58.26		

Appendix B: Photographs of Test Setup

Refer to the test report No. TCT230619E901

Appendix C: Photographs of EUT

Refer to the test report No. TCT230619E901

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