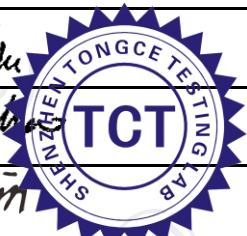


# TEST REPORT

<b>FCC ID.....</b>	2APJ4-SLM550	
<b>Test Report No.....</b>	TCT220714E038	
<b>Date of issue.....</b>	Aug. 02, 2022	
<b>Testing laboratory .....</b>	SHENZHEN TONGCE TESTING LAB	
<b>Testing location/ address:</b>	2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China	
<b>Applicant's name.....</b>	MeiG Smart Technology Co., Ltd	
<b>Address.....</b>	2nd Floor, Office Building, No.5 Lingxia Road, Fenghuang, Fuyong Street, Bao'an District, shenzhen, China	
<b>Manufacturer's name ...</b>	MeiG Smart Technology Co., Ltd	
<b>Address.....</b>	2nd Floor, Office Building, No.5 Lingxia Road, Fenghuang, Fuyong Street, Bao'an District, shenzhen, China	
<b>Standard(s) .....</b>	FCC CFR Title 47 Part 2 FCC CFR Title 47 Part22 FCC CFR Title 47 Part24 FCC CFR Title 47 Part27 FCC CFR Title 47 Part90	
<b>Product Name.....</b>	Smart module	
<b>Trade Mark .....</b>	MEIGLink	
<b>Model/Type reference.....</b>	SLM550	
<b>Rating(s).....</b>	DC 3.8V	
<b>Date of receipt of test item .....</b>	Jul. 14, 2022	
<b>Date (s) of performance of test.....</b>	Jul. 14, 2022 - Aug. 02, 2022	
<b>Tested by (+signature) ...</b>	Rleo LIU	
<b>Check by (+signature).....</b>	Beryl ZHAO	
<b>Approved by (+signature):</b>	Tomsin	



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**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 7,  
Appendix For LTE Band 12, Appendix For LTE Band 13,  
Appendix For LTE Band 17, Appendix For LTE Band 25  
Appendix For LTE Band 26 and Appendix For LTE Band 66**

## 1. General Product Information

### 1.1. EUT description

<b>Product Name</b> .....:	Smart module
<b>Model/Type reference</b> .....:	SLM550
<b>Sample Number</b> .....:	TCT220714E017-0102
<b>Tx Frequency</b> .....:	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26-1: 814 MHz ~ 824 MHz LTE Band 26-2: 824 MHz ~ 849 MHz LTE Band 66: 1710 MHz ~ 1780 MHz
<b>Rx Frequency</b> .....	LTE Band 2: 1930 MHz ~ 1990 MHz LTE Band 4: 2110 MHz ~ 2155 MHz LTE Band 5: 869 MHz ~ 894 MHz LTE Band 7: 2620 MHz ~ 2690 MHz LTE Band 12: 729 MHz ~ 746 MHz LTE Band 13: 746 MHz ~ 756 MHz LTE Band 17: 734 MHz ~ 746 MHz LTE Band 25: 1930 MHz ~ 1995 MHz LTE Band 26-1: 859 MHz ~ 869 MHz LTE Band 26-2: 869 MHz ~ 894 MHz LTE Band 66: 2110 MHz ~ 2180 MHz
<b>Bandwidth</b> .....:	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 7: 5MHz /10MHz/15MHz /20MHz LTE Band 12: 1.4MHz /3MHz /5MHz /10MHz LTE Band 13: 5MHz /10MHz LTE Band 17: 5MHz /10MHz LTE Band 25: 1.4MHz /3MHz /5MHz /10MHz /15MHz /20MHz LTE Band 26-1: 1.4MHz /3MHz /5MHz /10MHz /15MHz LTE Band 26-2: 1.4MHz /3MHz /5MHz /10MHz /15MHz LTE Band 66: 1.4MHz /3MHz /5MHz /10MHz /15MHz /20MHz

<b>Maximum Output Power to Antenna.....:</b>	LTE Band 2: 23.82dBm LTE Band 4: 23.64dBm LTE Band 5: 23.24dBm LTE Band 7: 23.38dBm LTE Band 12: 23.16dBm LTE Band 13: 23.05dBm LTE Band 17: 23.11dBm LTE Band 25: 22.93dBm LTE Band 26-1: 22.60dBm LTE Band 26-2: 23.02dBm LTE Band 66: 23.85dBm
<b>99% Occupied Bandwidth.....:</b>	LTE Band 2: 17M9G7D LTE Band 4: 17M9G7D LTE Band 5: 8M97G7D LTE Band 7: 17M9G7D LTE Band 12: 8M97G7D LTE Band 13: 8M94G7D LTE Band 17: 8M98G7D LTE Band 25: 17M9G7D LTE Band 26-1: 13M4G7D LTE Band 26-2: 13M4G7D LTE Band 66: 17M9G7D
<b>Type of Modulation.....:</b>	QPSK/16QAM
<b>Antenna Type.....:</b>	External Antenna
<b>Antenna Gain.....:</b>	LTE Band 2: 3.58dBi LTE Band 4: 4.00dBi LTE Band 5: 3.52dBi LTE Band 7: 5.19dBi LTE Band 12: 3.65dBi LTE Band 13: 3.81dBi LTE Band 17: 3.65dBi LTE Band 25: 3.58dBi LTE Band 26-1: 3.52dBi LTE Band 26-2: 3.52dBi LTE Band 66: 4.00dBi
<b>Rating(s).....:</b>	DC 3.8V

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**

None.

### 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	0.540	1M09W7D	0.461
3	2M70G7D	0.508	2M69W7D	0.418
5	4M49G7D	0.513	4M49W7D	0.432
10	8M96G7D	0.535	8M95W7D	0.460
15	13M4G7D	0.516	13M4W7D	0.456
20	17M9G7D	0.550	17M9W7D	0.488
LTE Band 4	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
1.4	1M09G7D	0.577	1M09W7D	0.481
3	2M70G7D	0.542	2M70W7D	0.451
5	4M50G7D	0.558	4M50W7D	0.472
10	8M97G7D	0.581	8M97W7D	0.485
15	13M4G7D	0.537	13M4W7D	0.516
20	17M9G7D	0.558	17M9W7D	0.501
LTE Band 5	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
1.4	1M09G7D	0.289	1M09W7D	0.250
3	2M70G7D	0.284	2M69W7D	0.251
5	4M49G7D	0.281	4M49W7D	0.249
10	8M97G7D	0.281	8M97W7D	0.225
LTE Band 7	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5	4M50G7D	0.670	4M50W7D	0.586
10	8M97G7D	0.710	8M96W7D	0.662
15	13M5G7D	0.690	13M4W7D	0.656
20	17M9G7D	0.719	17M9W7D	0.640

LTE Band 12	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
1.4	1M09G7D	0.284	1M09W7D	0.256
3	2M70G7D	0.292	2M69W7D	0.232
5	4M50G7D	0.279	4M50W7D	0.244
10	8M97G7D	0.286	8M96W7D	0.263

LTE Band 13	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	4M50G7D	0.272	4M49W7D	0.236
10	8M94G7D	0.268	8M93W7D	0.209

LTE Band 17	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	4M49G7D	0.276	4M50W7D	0.248
10	8M98G7D	0.289	8M97W7D	0.270

LTE Band 25	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
1.4	1M09G7D	0.435	1M09W7D	0.366
3	2M70G7D	0.445	2M69W7D	0.382
5	4M50G7D	0.422	4M50W7D	0.350
10	8M96G7D	0.429	8M96W7D	0.378
15	13M4G7D	0.430	13M4W7D	0.382
20	17M9G7D	0.448	17M9W7D	0.389

LTE Band 26-1	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
1.4	1M09G7D	0.249	1M09W7D	0.211
3	2M70G7D	0.248	2M69W7D	0.209

5	4M49G7D	0.243	4M49W7D	0.210
10	8M96G7D	0.247	8M96W7D	0.196
15	13M4G7D	0.239	13M4W7D	0.195

LTE Band 26-2	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	BW(MHz)	Emission Designator (99%OBW)
1.4	1M09G7D	0.275	1M09W7D	0.232
3	2M69G7D	0.267	2M69W7D	0.227
5	4M49G7D	0.261	4M49W7D	0.237
10	8M98G7D	0.259	8M96W7D	0.241
15	13M4G7D	0.253	13M4W7D	0.219

LTE Band 66	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
1.4	1M09G7D	0.556	1M09W7D	0.469
3	2M70G7D	0.538	2M70W7D	0.458
5	4M50G7D	0.573	4M50W7D	0.453
10	8M96G7D	0.558	8M97W7D	0.436
15	13M4G7D	0.548	13M4W7D	0.501
20	17M9G7D	0.610	17M9W7D	0.509



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

LTE Band 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 25(1.4MHz)		LTE Band 25(3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
26047	1850.7	26055	1851.5
26365	1882.5	26365	1882.5
26683	1914.3	26675	1913.5
LTE Band 25(5MHz)		LTE Band 25(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
26065	1852.5	26090	1855
26365	1882.5	26365	1882.5
26665	1912.5	26440	1910
LTE Band 25(15MHz)		LTE Band 25(20MHz)	
26115	1857.5	26140	1860
26365	1882.5	26365	1882.5
26615	1907.5	26590	1905

LTE Band 26-1(1.4MHz)		LTE Band 26-1(3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
26697	814.7	26705	815.5
26740	819.0	26740	819.0
26783	823.3	26775	822.5
LTE Band 26-1(5MHz)		LTE Band 26-1(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
26715	816.5	26740	819
26740	819.0		
26765	821.5		
LTE Band 26-1(15MHz)			
26765	821.5		

LTE Band 26-2(1.4MHz)		LTE Band 26-2(3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
26797	824.7	26805	825.5
26915	836.5	26915	836.5
27033	848.3	27025	847.5
LTE Band 26-2(5MHz)		LTE Band 26-2(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
26815	826.5	26840	829
26915	836.5	26915	836.5
27015	846.5	26990	844
LTE Band 26-2(15MHz)			
26865	831.5		
26915	836.5		
26965	841.5		

LTE Band 66(1.4MHz)		LTE Band 66(3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
131979	1710.7	131987	1711.5
132322	1745	132322	1745
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
132322	1745	132322	1745
132647	1777.5	132622	1775
LTE Band 66(15MHz)		LTE Band 66(20MHz)	
132047	1717.5	132072	1720
132322	1745	132322	1745
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

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 7	QPSK Link (5MHz / 10MHz / 15MHz / 20MHz)	16QAM Link (5MHz / 10MHz / 15MHz / 20MHz)
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 25	QPSK Link (1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz)	16QAM Link (1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz)
LTE Band 26-1	QPSK Link (1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz)	16QAM Link (1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz)
LTE Band 26-2	QPSK Link (1.4MHz / 3MHz / 5MHz /	16QAM Link (1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz)

	10MHz / 15MHz)	
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
	7	-	-	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
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26-1	v	v	v	v	v	-	v	v	v	v	v	v	v	v
	26-2	v	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
	7	-	-	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
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26-1	v	v	v	v	v	-	v	v	v	v	v	v	v	v
	26-2	v	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
	7	-	-	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
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26-1	v	v	v	v	v	-	v	v	v	v	v	v	v	v
	26-2	v	v	v	v	v	-	v	v	v	v	v	v	v	v
Conducted Band Edge	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	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
	7	-	-	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
	25	v	v	v	v	v	v	v	v	v	v	v	v	-	v
	26-1	v	v	v	v	v	-	v	v	v	v	v	v	-	v
26-2	v	v	v	v	v	-	v	v	v	v	v	v	-	v	
Conducted Spurious Emission	66	v	v	v	v	v	v	v	v	v	v	v	v	-	v
	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
	7	-	-	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
	25	v	v	v	v	v	v	v	v	v	-	-	v	v	v
	26-1	v	v	v	v	v	-	v	v	v	-	-	v	v	v
26-2	v	v	v	v	v	-	v	v	v	-	-	v	v	v	
Frequency Stability	66	v	v	v	v	v	v	v	v	v	-	-	v	v	v
	2	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	4	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	5	v	-	-	-	-	-	v	v	v	-	-	v	v	v



	7	-	-	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
	25	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	26-1	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	26-2	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	66	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
	7	-	-	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
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26-1	v	v	v	v	v	-	v	v	v	v	v	v	v	v
	26-2	v	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	
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
	7	-	-	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
	25	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	26-1	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	26-1	v	-	-	-	-	-	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

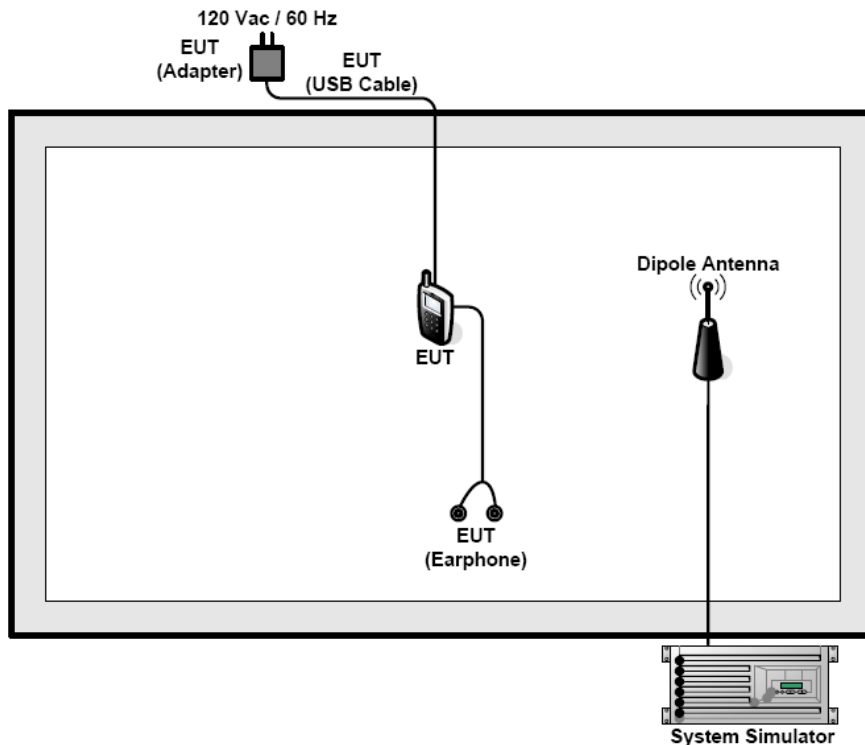
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
Mother board	MEIG_EVB_V2.03	/	/	/
LTE Antenna	5Q004D	/	/	/
Notebook Computer	G3 3500	00342-36088-9 9832-AAOEM	/	DELL

**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: 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

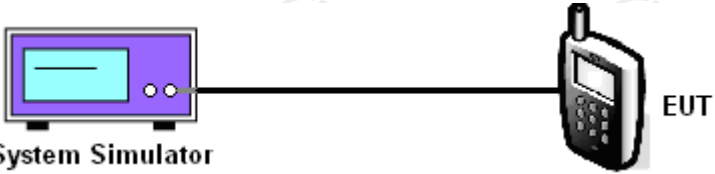
The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	$\pm 3.10$ dB
2	RF power, conducted	$\pm 0.12$ dB
3	Spurious emissions, conducted	$\pm 0.11$ dB
4	All emissions, radiated(<1 GHz)	$\pm 4.56$ dB
5	All emissions, radiated(1 GHz - 18 GHz)	$\pm 4.22$ dB
6	All emissions, radiated(18 GHz- 40 GHz)	$\pm 4.36$ dB

## 5. Test Results and Measurement Data

### 5.1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

#### 5.1.1. Test Specification

<b>Test Requirement:</b>	Refer to section 2
<b>Test Method:</b>	FCC part 2.1046
<b>Limit:</b>	LTE Band 2: 2W LTE Band 4: 1W LTE Band 5: 7W LTE Band 7: 2W LTE Band 12: 3W LTE Band 13: 3W LTE Band 17: 3W LTE Band 25: 2W LTE Band 26-1: 100W LTE Band 26-2: 7W LTE Band 66: 1W
<b>Test Setup:</b>	 <p>The diagram illustrates the test setup. On the left is a 'System Simulator' represented by a purple rectangular box with a screen and two small circles. A black line connects the right side of the simulator to the left side of a mobile phone labeled 'EUT' (Equipment Under Test).</p>
<b>Test Procedure:</b>	<ol style="list-style-type: none"> <li>1. The transmitter output port was connected to the system simulator.</li> <li>2. Set EUT at maximum power through system simulator.</li> <li>3. Select lowest, middle, highest channels for each band and different modulation.</li> <li>4. Measure and record the power level from the system simulator.</li> <li>5. Calculate the ERP and EIRP                      The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:  <math display="block">\text{ERP or EIRP} = P_{\text{Meas}} + G_{\text{T}} - L_{\text{C}}</math>                     where:                      ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P Meas , typically dBW or dBm);                 </li> </ol>

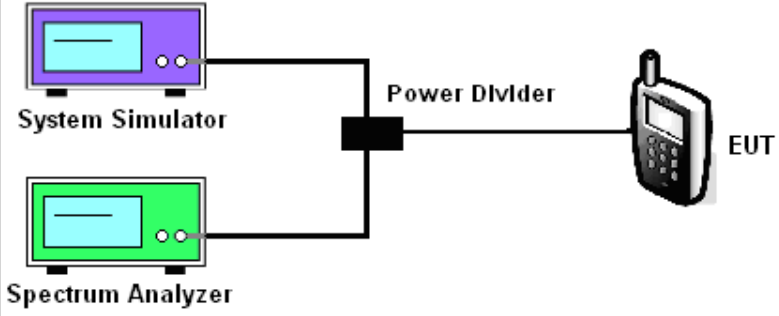
	<p><math>P_{Meas}</math> = measured transmitter output power or PSD, in dBm or dBW;</p> <p><math>G_T</math> = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);</p> <p><math>L_C</math> = signal attenuation in the connecting cable between the transmitter and antenna, in dB.</p> <p><i>Note: For personal/portable radios utilizing an integral antenna, the factor <math>L_C</math> 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>
<b>Test Result:</b>	PASS

**5.1.2. Test Instruments**

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jul. 03, 2023
Combiner Box	Ascentest	AT890-RFB	/	/

## 5.2. Peak to Average Ratio

### 5.2.1. Test Specification

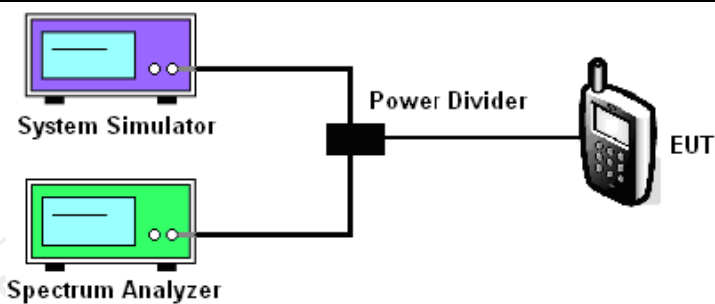
<b>Test Requirement:</b>	Refer to section 2
<b>Test Method:</b>	FCC KDB 971168 D01v03
<b>Limit:</b>	The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.
<b>Test Setup:</b>	 <p>The diagram illustrates the test setup. On the left, there are two computer monitors: the top one is labeled '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>
<b>Test Procedure:</b>	<ol style="list-style-type: none"> <li>1. The testing follows FCC KDB 971168 D01v03 Section 5.7.1.</li> <li>2. The EUT was connected to spectrum analyzer and system simulator via a power divider.</li> <li>3. Set EUT to transmit at maximum output power.</li> <li>4. Set the CCDF (Complementary Cumulative Distribution Function) option of the spectrum analyzer.</li> </ol> <p>Record the maximum PAPR level associated with a probability of 0.1%.</p>
<b>Test Result:</b>	PASS

### 5.2.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jul. 03, 2023
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 04, 2023
Combiner Box	Ascentest	AT890-RFB	/	/

### 5.3. 99% Occupied Bandwidth and 26dB Bandwidth Measurement

#### 5.3.1. Test Specification

<b>Test Requirement:</b>	Refer to section 2
<b>Test Method:</b>	FCC part 2.1049
<b>Limit:</b>	N/A
<b>Test Setup:</b>	 <p>The diagram illustrates the test setup. On the left, there are two instruments: a System Simulator (top) and a Spectrum Analyzer (bottom). Both are connected to a central Power Divider. The Power Divider is then connected to the EUT (Equipment Under Test), which is represented by a mobile phone icon on the right.</p>
<b>Test Procedure:</b>	<ol style="list-style-type: none"> <li>1. The testing follows FCC KDB 971168 D01v03 Section 4.2.</li> <li>2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.</li> <li>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.</li> <li>4. The 99% occupied bandwidth were measured, set RBW= 1% of OBW, VBW= 3*RBW, sample detector, trace maximum hold.</li> <li>5. The 26dB bandwidth were measured, set RBW= 1% of EBW, VBW= 3*RBW, peak detector, trace maximum hold.</li> </ol>
<b>Test Result:</b>	PASS

#### 5.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jul. 03, 2023
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 04, 2023
Combiner Box	Ascentest	AT890-RFB	/	/



## 5.4. Band Edge and Conducted Spurious Emission Measurement

### 5.4.1. Test Specification

<b>Test Requirement:</b>	Refer to section 2
<b>Test Method:</b>	FCC part2.1051
<b>Limit:</b>	-13dBm
<b>Test Setup:</b>	<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>
<b>Test Procedure:</b>	<ol style="list-style-type: none"> <li>1. The testing follows FCC KDB 971168 D01v03 Section 6.0.</li> <li>2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.</li> <li>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.</li> <li>4. The band edges of low and high channels for the highest RF powers were measured.</li> <li>5. The conducted spurious emission for the whole frequency range was taken.</li> <li>6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.</li> <li>7. The limit line is derived from <math>43 + 10\log(P)</math> dB below the transmitter power  <math>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}</math>.                      For Band 17, the limit line is derived from <math>55 + 10\log(P)</math> dB below the transmitter power</li> </ol>
<b>Test Result:</b>	PASS

**5.4.2. Test Instruments**

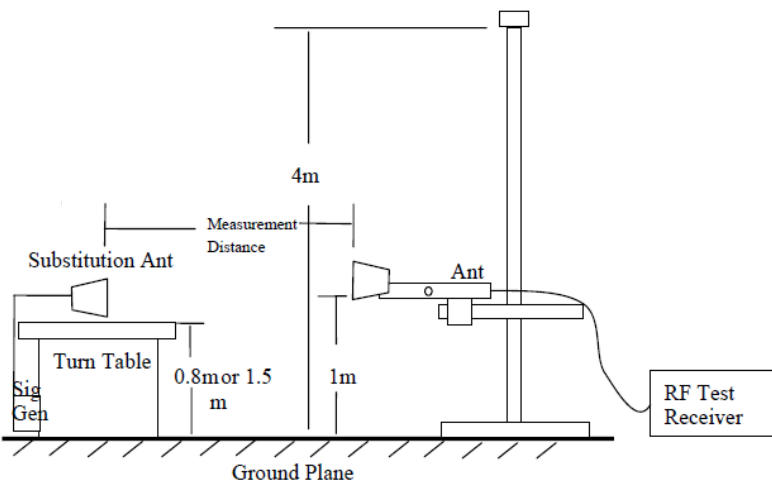
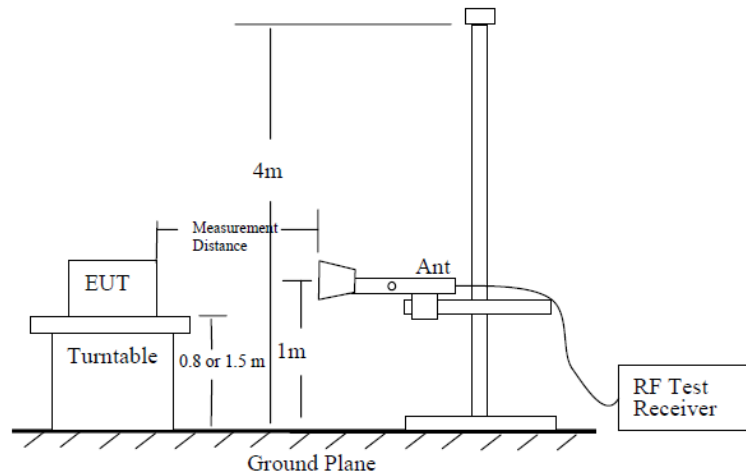
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jul. 03, 2023
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 04, 2023
Combiner Box	Ascentest	AT890-RFB	/	/

## 5.5. Field Strength of Spurious Radiation Measurement

### 5.5.1. Test Specification

<b>Test Requirement:</b>	Refer to section 2
<b>Test Method:</b>	FCC part 2.1053
<b>Limit:</b>	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"> <li>6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of maximum spurious emission.</li> <li>7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.</li> <li>8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.</li> <li>9. Taking the record of output power at antenna port.</li> <li>10. Repeat step 7 to step 8 for another polarization.</li> <li>11. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain</li> <li>12. ERP (dBm) = EIRP - 2.15</li> <li>13. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.</li> <li>14. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts) <ul style="list-style-type: none"> <li>= P(W) - [43 + 10log(P)] (dB)</li> <li>= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)</li> <li>= -13dBm.</li> </ul> </li> </ol>
<b>Test results:</b>	PASS
<b>Remark:</b>	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. 04, 2023
Spectrum Analyzer	R&S	FSQ40	200061	Jul. 03, 2023
Signal Generator	HP	83623B	3614A00396	Feb. 24, 2023
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-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	/	/

**5.5.3. Test Data**

**Frequency Range (9 kHz-30MHz)**

Frequency (MHz)	Level@3m (dB $\mu$ V/m)	Limit@3m (dB $\mu$ V/m)
--	--	--
--	--	--
--	--	--
--	--	--

**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

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

**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	-59.53	23.54	-35.99	-13.00	PASS
5580.00	V	-64.87	23.81	-41.06		
7440.00	V	-80.79	23.96	-56.83		
3720.00	Horizontal	-57.68	23.54	-34.14		
5580.00	H	-63.81	23.81	-40.00		
7440.00	H	-77.14	23.96	-53.18		

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

**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	-58.79	23.58	-35.21	-13.00	PASS
5640.00	V	-69.80	23.85	-45.95		
7520.00	V	-77.02	23.99	-53.03		
3760.00	Horizontal	-58.01	23.58	-34.43		
5640.00	H	-64.15	23.85	-40.30		
7520.00	H	-78.34	23.99	-54.35		

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

**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	-60.87	23.60	-37.27	-13.00	PASS
5700.00	V	-69.32	23.88	-45.44		
7600.00	V	-77.77	24.02	-53.75		
3800.00	Horizontal	-56.78	23.60	-33.18		
5700.00	H	-66.44	23.88	-42.56		
7600.00	H	-80.03	24.02	-56.01		



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

**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	-58.74	23.54	-35.20	-13.00	PASS
5580.00	V	-65.50	23.81	-41.69		
7440.00	V	-78.58	23.96	-54.62		
3720.00	Horizontal	-56.24	23.54	-32.70		
5580.00	H	-63.97	23.81	-40.16		
7440.00	H	-75.72	23.96	-51.76		

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

**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	-59.46	23.58	-35.88	-13.00	PASS
5640.00	V	-68.98	23.85	-45.13		
7520.00	V	-77.29	23.99	-53.30		
3760.00	Horizontal	-57.30	23.58	-33.72		
5640.00	H	-64.75	23.85	-40.90		
7520.00	H	-78.61	23.99	-54.62		

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

**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	-60.33	23.60	-36.73	-13.00	PASS
5700.00	V	-70.16	23.88	-46.28		
7600.00	V	-78.02	24.02	-54.00		
3800.00	Horizontal	-56.45	23.60	-32.85		
5700.00	H	-65.85	23.88	-41.97		
7600.00	H	-80.39	24.02	-56.37		

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

**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	-58.94	23.40	-35.54	-13.00	PASS
5160.00	V	-63.37	23.69	-39.68		
6880.00	V	-78.68	23.75	-54.93		
3440.00	Horizontal	-57.53	23.40	-34.13		
5160.00	H	-63.34	23.69	-39.65		
6880.00	H	-76.11	23.75	-52.36		

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

**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	-58.77	23.42	-35.35	-13.00	PASS
5197.50	V	-69.03	23.73	-45.30		
6930.00	V	-78.04	23.79	-54.25		
3465.00	Horizontal	-55.86	23.42	-32.44		
5197.50	H	-64.18	23.73	-40.45		
6930.00	H	-77.93	23.79	-54.14		

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

**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	-60.42	23.46	-36.96	-13.00	PASS
5235.00	V	-69.50	23.77	-45.73		
6980.00	V	-76.88	23.81	-53.07		
3490.00	Horizontal	-56.05	23.46	-32.59		
5235.00	H	-66.12	23.77	-42.35		
6980.00	H	-79.71	23.81	-55.90		

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

**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	-60.06	23.40	-36.66	-13.00	PASS
5160.00	V	-65.77	23.69	-42.08		
6880.00	V	-78.36	23.75	-54.61		
3440.00	Horizontal	-58.05	23.40	-34.65		
5160.00	H	-63.84	23.69	-40.15		
6880.00	H	-77.12	23.75	-53.37		

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

**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	-58.92	23.42	-35.50	-13.00	PASS
5197.50	V	-70.14	23.73	-46.41		
6930.00	V	-78.48	23.79	-54.69		
3465.00	Horizontal	-57.27	23.42	-33.85		
5197.50	H	-66.44	23.73	-42.71		
6930.00	H	-78.77	23.79	-54.98		

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

**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	-61.33	23.46	-37.87	-13.00	PASS
5235.00	V	-69.64	23.77	-45.87		
6980.00	V	-79.48	23.81	-55.67		
3490.00	Horizontal	-57.22	23.46	-33.76		
5235.00	H	-67.19	23.77	-43.42		
6980.00	H	-79.62	23.81	-55.81		

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

**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	-60.49	23.15	-37.34	-13.00	PASS
2487.00	V	-64.25	23.24	-41.01		
3316.00	V	-78.47	23.35	-55.12		
1658.00	Horizontal	-59.24	23.15	-36.09		
2487.00	H	-60.99	23.24	-37.75		
3316.00	H	-77.50	23.35	-54.15		

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

**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	-58.28	23.17	-35.11	-13.00	PASS
2509.50	V	-69.76	23.26	-46.50		
3346.00	V	-77.01	23.38	-53.63		
1673.00	Horizontal	-57.79	23.17	-34.62		
2509.50	H	-63.20	23.26	-39.94		
3346.00	H	-77.56	23.38	-54.18		

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

**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	-61.82	23.19	-38.63	-13.00	PASS
2532.00	V	-71.43	23.28	-48.15		
3376.00	V	-83.09	23.40	-59.69		
1688.00	Horizontal	-57.26	23.19	-34.07		
2532.00	H	-66.28	23.28	-43.00		
3376.00	H	-81.93	23.40	-58.53		

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

**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	-58.23	23.15	-35.08	-13.00	PASS
2487.00	V	-63.59	23.24	-40.35		
3316.00	V	-79.19	23.35	-55.84		
1658.00	Horizontal	-57.84	23.15	-34.69		
2487.00	H	-64.39	23.24	-41.15		
3316.00	H	-77.94	23.35	-54.59		

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

**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	-59.16	23.17	-35.99	-13.00	PASS
2509.50	V	-70.08	23.26	-46.82		
3346.00	V	-77.70	23.38	-54.32		
1673.00	Horizontal	-55.54	23.17	-32.37		
2509.50	H	-65.32	23.26	-42.06		
3346.00	H	-78.25	23.38	-54.87		

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

**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	-61.34	23.19	-38.15	-13.00	PASS
2532.00	V	-69.73	23.28	-46.45		
3376.00	V	-78.40	23.40	-55.00		
1688.00	Horizontal	-56.83	23.19	-33.64		
2532.00	H	-67.14	23.28	-43.86		
3376.00	H	-80.91	23.40	-57.51		

<b>Band</b>	<b>Band 7(QPSK, 20MHz)</b>	<b>Test channel:</b>	<b>Lowest</b>
<b>Test mode:</b>		<b>Temperature :</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
5020.00	Vertical	-60.48	23.11	-37.37	-25.00	PASS
7530.00	V	-64.55	23.25	-41.30		
10040.00	V	-79.71	23.38	-56.33		
5020.00	Horizontal	-58.89	23.11	-35.78		
7530.00	H	-61.55	23.25	-38.30		
10040.00	H	-76.74	23.38	-53.36		

<b>Band</b>	<b>Band 7(QPSK, 20MHz)</b>	<b>Test channel:</b>	<b>Middle</b>
<b>Test mode:</b>		<b>Temperature :</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
5070.00	Vertical	-57.66	23.14	-34.52	-25.00	PASS
7605.00	V	-69.64	23.23	-46.41		
10140.00	V	-78.51	23.34	-55.17		
5070.00	Horizontal	-56.80	23.14	-33.66		
7605.00	H	-64.25	23.23	-41.02		
10140.00	H	-78.02	23.34	-54.68		

<b>Band</b>	<b>Band 7(QPSK, 20MHz)</b>	<b>Test channel:</b>	<b>Highest</b>
<b>Test mode:</b>		<b>Temperature :</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
5120.00	Vertical	-61.09	23.17	-37.92	-25.00	PASS
7680.00	V	-70.53	23.25	-47.28		
10240.00	V	-83.65	23.40	-60.25		
5120.00	Horizontal	-57.26	23.17	-34.09		
7680.00	H	-66.40	23.25	-43.15		
10240.00	H	-80.59	23.40	-57.19		



<b>Band</b>	<b>Band 7(16QAM, 20MHz)</b>	<b>Test channel:</b>	<b>Lowest</b>
<b>Test mode:</b>		<b>Temperature :</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
5020.00	Vertical	-58.46	23.11	-35.35	-25.00	PASS
7530.00	V	-62.86	23.25	-39.61		
10040.00	V	-80.75	23.38	-57.37		
5020.00	Horizontal	-58.51	23.11	-35.40		
7530.00	H	-63.03	23.25	-39.78		
10040.00	H	-77.35	23.38	-53.97		

<b>Band</b>	<b>Band 7(16QAM, 20MHz)</b>	<b>Test channel:</b>	<b>Middle</b>
<b>Test mode:</b>		<b>Temperature :</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
5070.00	Vertical	-58.28	23.14	-35.14	-25.00	PASS
7605.00	V	-69.44	23.23	-46.21		
10140.00	V	-78.92	23.34	-55.58		
5070.00	Horizontal	-56.74	23.14	-33.60		
7605.00	H	-64.48	23.23	-41.25		
10140.00	H	-78.25	23.34	-54.91		

<b>Band</b>	<b>Band 7(16QAM, 20MHz)</b>	<b>Test channel:</b>	<b>Highest</b>
<b>Test mode:</b>		<b>Temperature :</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
5120.00	Vertical	-61.03	23.17	-37.86	-25.00	PASS
7680.00	V	-69.10	23.25	-45.85		
10240.00	V	-78.69	23.40	-55.29		
5120.00	Horizontal	-57.12	23.17	-33.95		
7680.00	H	-65.88	23.25	-42.63		
10240.00	H	-79.54	23.40	-56.14		

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

**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	-59.56	23.03	-36.53	-13.00	PASS
2112.00	V	-65.28	23.16	-42.12		
2816.00	V	-80.27	23.25	-57.02		
1408.00	Horizontal	-59.38	23.03	-36.35		
2112.00	H	-62.30	23.16	-39.14		
2816.00	H	-77.61	23.25	-54.36		

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

**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	-59.14	23.05	-36.09	-13.00	PASS
2122.50	V	-69.51	23.18	-46.33		
2830.00	V	-78.12	23.28	-54.84		
1415.00	Horizontal	-56.47	23.05	-33.42		
2122.50	H	-62.90	23.18	-39.72		
2830.00	H	-76.68	23.28	-53.40		

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

**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	-62.19	23.08	-39.11	-13.00	PASS
2133.00	V	-71.08	23.20	-47.88		
2844.00	V	-82.35	23.31	-59.04		
1422.00	Horizontal	-56.77	23.08	-33.69		
2133.00	H	-65.55	23.20	-42.35		
2844.00	H	-80.96	23.31	-57.65		



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

**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	-59.46	23.03	-36.43	-13.00	PASS
2112.00	V	-62.67	23.16	-39.51		
2816.00	V	-80.20	23.25	-56.95		
1408.00	Horizontal	-57.89	23.03	-34.86		
2112.00	H	-63.04	23.16	-39.88		
2816.00	H	-77.65	23.25	-54.40		

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

**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	-57.74	23.05	-34.69	-13.00	PASS
2122.50	V	-70.02	23.18	-46.84		
2830.00	V	-77.89	23.28	-54.61		
1415.00	Horizontal	-57.77	23.05	-34.72		
2122.50	H	-64.97	23.18	-41.79		
2830.00	H	-77.51	23.28	-54.23		

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

**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	-60.29	23.08	-37.21	-13.00	PASS
2133.00	V	-69.61	23.20	-46.41		
2844.00	V	-77.47	23.31	-54.16		
1422.00	Horizontal	-56.50	23.08	-33.42		
2133.00	H	-66.63	23.20	-43.43		
2844.00	H	-79.96	23.31	-56.65		

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

**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	-67.06	23.06	-44.00	-40.00	PASS
2346.00	V	-64.83	23.17	-41.66	-13.00	
3128.00	V	-79.67	23.27	-56.40	-13.00	
1564.00	Horizontal	-67.83	23.05	-44.78	-40.00	
2346.00	H	-61.68	23.18	-38.50	-13.00	
3128.00	H	-76.97	23.28	-53.69	-13.00	

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

**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	-67.59	23.07	-44.52	-40.00	PASS
2346.00	V	-69.26	23.19	-46.07	-13.00	
3128.00	V	-76.55	23.29	-53.26	-13.00	
1564.00	Horizontal	-65.44	23.07	-42.37	-40.00	
2346.00	H	-63.64	23.19	-40.45	-13.00	
3128.00	H	-77.75	23.30	-54.45	-13.00	

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

**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	-67.27	23.08	-44.19	-40.00	PASS
2346.00	V	-69.78	23.20	-46.58	-13.00	
3128.00	V	-81.52	23.31	-58.21	-13.00	
1564.00	Horizontal	-67.38	23.08	-44.30	-40.00	
2346.00	H	-64.85	23.20	-41.65	-13.00	
3128.00	H	-79.92	23.31	-56.61	-13.00	

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

**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	-67.80	23.06	-44.74	-40.00	PASS
2346.00	V	-63.19	23.17	-40.02	-13.00	
3128.00	V	-79.22	23.27	-55.95	-13.00	
1564.00	Horizontal	-66.03	23.05	-42.98	-40.00	
2346.00	H	-64.43	23.18	-41.25	-13.00	
3128.00	H	-76.04	23.28	-52.76	-13.00	

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

**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	-68.74	23.07	-45.67	-40.00	PASS
2346.00	V	-68.93	23.19	-45.74	-13.00	
3128.00	V	-77.04	23.29	-53.75	-13.00	
1564.00	Horizontal	-68.03	23.07	-44.96	-40.00	
2346.00	H	-62.67	23.19	-39.48	-13.00	
3128.00	H	-77.72	23.30	-54.42	-13.00	

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

**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	-66.98	23.08	-43.90	-40.00	PASS
2346.00	V	-69.39	23.20	-46.19	-13.00	
3128.00	V	-76.74	23.31	-53.43	-13.00	
1564.00	Horizontal	-67.99	23.08	-44.91	-40.00	
2346.00	H	-64.40	23.20	-41.20	-13.00	
3128.00	H	-79.75	23.31	-56.44	-13.00	

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

**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	-59.89	23.06	-36.83	-13.00	PASS
2127.00	V	-64.31	23.17	-41.14		
2836.00	V	-80.48	23.27	-57.21		
1418.00	Horizontal	-59.79	23.05	-36.74		
2127.00	H	-62.57	23.18	-39.39		
2836.00	H	-77.03	23.28	-53.75		

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

**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	-58.24	23.07	-35.17	-13.00	PASS
2130.00	V	-69.65	23.19	-46.46		
2840.00	V	-77.41	23.29	-54.12		
1420.00	Horizontal	-55.94	23.07	-32.87		
2130.00	H	-63.96	23.19	-40.77		
2840.00	H	-78.82	23.30	-55.52		

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

**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	-70.66	23.08	-47.58	-13.00	PASS
2133.00	V	-82.32	23.20	-59.12		
2844.00	V	-55.76	23.31	-32.45		
1422.00	Horizontal	-65.24	23.08	-42.16		
2133.00	H	-80.19	23.20	-56.99		
2844.00	H	-70.66	23.31	-47.35		

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

**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	-59.20	23.06	-36.14	-13.00	PASS
2127.00	V	-64.05	23.17	-40.88		
2836.00	V	-80.13	23.27	-56.86		
1418.00	Horizontal	-56.05	23.05	-33.00		
2127.00	H	-64.91	23.18	-41.73		
2836.00	H	-75.88	23.28	-52.60		

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

**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	-57.64	23.07	-34.57	-13.00	PASS
2130.00	V	-69.47	23.19	-46.28		
2840.00	V	-77.10	23.29	-53.81		
1420.00	Horizontal	-56.56	23.07	-33.49		
2130.00	H	-63.94	23.19	-40.75		
2840.00	H	-78.15	23.30	-54.85		

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

**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	-60.77	23.08	-37.69	-13.00	PASS
2133.00	V	-69.74	23.20	-46.54		
2844.00	V	-77.51	23.31	-54.20		
1422.00	Horizontal	-56.96	23.08	-33.88		
2133.00	H	-65.65	23.20	-42.45		
2844.00	H	-78.90	23.31	-55.59		

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

**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	-61.10	22.16	-38.94	-13.00	PASS
5580.00	V	-67.27	22.99	-44.28		
7440.00	V	-81.68	23.04	-58.64		
3720.00	Horizontal	-61.62	22.16	-39.46		
5580.00	H	-63.05	22.99	-40.06		
7440.00	H	-79.53	23.04	-56.49		

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

**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)		
3765.00	Vertical	-61.43	22.76	-38.67	-13.00	PASS
5647.50	V	-71.48	23.07	-48.41		
7530.00	V	-80.75	23.11	-57.64		
3765.00	Horizontal	-57.55	22.76	-34.79		
5647.50	H	-64.61	23.07	-41.54		
7530.00	H	-80.01	23.11	-56.90		

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

**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)		
3810.00	Vertical	-63.43	22.42	-41.01	-13.00	PASS
5715.00	V	-73.17	22.33	-50.84		
7620.00	V	-83.24	23.00	-60.24		
3810.00	Horizontal	-58.09	22.42	-35.67		
5715.00	H	-66.22	22.33	-43.89		
7620.00	H	-82.96	23.00	-59.96		



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

**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	-60.68	22.16	-38.52	-13.00	PASS
5580.00	V	-64.47	22.99	-41.48		
7440.00	V	-82.43	23.04	-59.39		
3720.00	Horizontal	-59.20	22.16	-37.04		
5580.00	H	-65.69	22.99	-42.70		
7440.00	H	-79.30	23.04	-56.26		

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

**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)		
3765.00	Vertical	-60.77	22.76	-38.01	-13.00	PASS
5647.50	V	-71.25	23.07	-48.18		
7530.00	V	-80.05	23.11	-56.94		
3765.00	Horizontal	-59.51	22.76	-36.75		
5647.50	H	-66.41	23.07	-43.34		
7530.00	H	-79.37	23.11	-56.26		

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

**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)		
3810.00	Vertical	-62.19	22.42	-39.77	-13.00	PASS
5715.00	V	-71.40	22.33	-49.07		
7620.00	V	-79.45	23.00	-56.45		
3810.00	Horizontal	-58.32	22.42	-35.90		
5715.00	H	-67.59	22.33	-45.26		
7620.00	H	-81.64	23.00	-58.64		

<b>Band</b>	<b>Band 26-1(QPSK, 5MHz)</b>	<b>Test channel:</b>	<b>Lowest</b>
<b>Test mode:</b>		<b>Temperature:</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
1633.00	Vertical	-61.75	21.97	-39.78	-13.00	PASS
2449.50	V	-67.27	22.63	-44.64		
3266.00	V	-81.69	22.83	-58.86		
1633.00	Horizontal	-61.40	21.89	-39.51		
2449.50	H	-63.09	22.54	-40.55		
3266.00	H	-79.52	22.30	-57.22		

<b>Band</b>	<b>Band 26-1(QPSK, 5MHz)</b>	<b>Test channel:</b>	<b>Middle</b>
<b>Test mode:</b>		<b>Temperature:</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
1638.00	Vertical	-61.69	22.58	-39.11	-13.00	PASS
2457.00	V	-70.79	22.29	-48.50		
3276.00	V	-80.85	22.49	-58.36		
1638.00	Horizontal	-56.91	22.64	-34.27		
2457.00	H	-64.31	22.45	-41.86		
3276.00	H	-80.24	22.58	-57.66		

<b>Band</b>	<b>Band 26-1(QPSK, 5MHz)</b>	<b>Test channel:</b>	<b>Highest</b>
<b>Test mode:</b>		<b>Temperature:</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
1643.00	Vertical	-62.72	21.95	-40.77	-13.00	PASS
2464.50	V	-72.61	21.50	-51.11		
3286.00	V	-83.53	22.23	-61.30		
1643.00	Horizontal	-58.65	22.06	-36.59		
2464.50	H	-66.17	21.79	-44.38		
3286.00	H	-83.45	22.37	-61.08		



<b>Band</b>	<b>Band 26-1(16QAM, 5MHz)</b>	<b>Test channel:</b>	<b>Lowest</b>
<b>Test mode:</b>		<b>Temperature:</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
1633.00	Vertical	-61.32	21.97	-39.35	-13.00	PASS
2449.50	V	-64.45	22.63	-41.82		
3266.00	V	-82.67	22.83	-59.84		
1633.00	Horizontal	-58.99	21.89	-37.10		
2449.50	H	-65.74	22.54	-43.20		
3266.00	H	-79.23	22.30	-56.93		

<b>Band</b>	<b>Band 26-1(16QAM, 5MHz)</b>	<b>Test channel:</b>	<b>Middle</b>
<b>Test mode:</b>		<b>Temperature:</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
1638.00	Vertical	-60.89	22.58	-38.31	-13.00	PASS
2457.00	V	-71.26	22.29	-48.97		
3276.00	V	-80.23	22.49	-57.74		
1638.00	Horizontal	-59.90	22.64	-37.26		
2457.00	H	-66.33	22.45	-43.88		
3276.00	H	-79.71	22.58	-57.13		

<b>Band</b>	<b>Band 26-1(16QAM, 5MHz)</b>	<b>Test channel:</b>	<b>Highest</b>
<b>Test mode:</b>		<b>Temperature:</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
1643.00	Vertical	-61.97	21.95	-40.02	-13.00	PASS
2464.50	V	-70.98	21.50	-49.48		
3286.00	V	-79.70	22.23	-57.47		
1643.00	Horizontal	-58.49	22.06	-36.43		
2464.50	H	-67.53	21.79	-45.74		
3286.00	H	-81.25	22.37	-58.88		

<b>Band</b>	<b>Band 26-2(QPSK, 15MHz)</b>	<b>Test channel:</b>	<b>Lowest</b>
<b>Test mode:</b>		<b>Temperature:</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
1663.00	Vertical	-62.64	21.17	-41.47	-13.00	PASS
2494.50	V	-67.87	22.03	-45.84		
3326.00	V	-82.45	22.12	-60.33		
1663.00	Horizontal	-62.10	21.01	-41.09		
2494.50	H	-63.98	22.07	-41.91		
3326.00	H	-79.87	21.65	-58.22		

<b>Band</b>	<b>Band 26-2(QPSK, 15MHz)</b>	<b>Test channel:</b>	<b>Middle</b>
<b>Test mode:</b>		<b>Temperature:</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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	-61.97	22.03	-49.80	-13.00	PASS
2509.50	V	-71.31	21.51	-59.64		
3346.00	V	-81.24	21.60	-35.57		
1673.00	Horizontal	-57.75	22.18	-42.58		
2509.50	H	-64.64	22.06	-59.08		
3346.00	H	-80.76	21.68	-49.80		

<b>Band</b>	<b>Band 26-2(QPSK, 15MHz)</b>	<b>Test channel:</b>	<b>Highest</b>
<b>Test mode:</b>		<b>Temperature:</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
1683.00	Vertical	-62.93	21.09	-41.84	-13.00	PASS
2524.50	V	-72.87	20.92	-51.95		
3366.00	V	-83.94	21.56	-62.38		
1683.00	Horizontal	-59.12	21.65	-37.47		
2524.50	H	-66.51	21.22	-45.29		
3366.00	H	-83.81	21.74	-62.07		

<b>Band</b>	<b>Band 26-2(16QAM, 15MHz)</b>	<b>Test channel:</b>	<b>Lowest</b>
<b>Test mode:</b>		<b>Temperature:</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
1663.00	Vertical	-61.45	21.17	-40.28	-13.00	PASS
2494.50	V	-65.18	22.03	-43.15		
3326.00	V	-83.53	22.12	-61.41		
1663.00	Horizontal	-59.27	21.01	-38.26		
2494.50	H	-66.63	22.07	-44.56		
3326.00	H	-79.46	21.65	-57.81		

<b>Band</b>	<b>Band 26-2(16QAM, 15MHz)</b>	<b>Test channel:</b>	<b>Middle</b>
<b>Test mode:</b>		<b>Temperature:</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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	-61.38	22.03	-39.35	-13.00	PASS
2509.50	V	-71.95	21.51	-50.44		
3346.00	V	-80.42	21.60	-58.82		
1673.00	Horizontal	-60.69	22.18	-38.51		
2509.50	H	-66.88	22.06	-44.82		
3346.00	H	-80.09	21.68	-58.41		

<b>Band</b>	<b>Band 26-2(16QAM, 15MHz)</b>	<b>Test channel:</b>	<b>Highest</b>
<b>Test mode:</b>		<b>Temperature:</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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)		
1683.00	Vertical	-62.52	21.09	-41.43	-13.00	PASS
2524.50	V	-71.26	20.92	-50.34		
3366.00	V	-80.32	21.56	-58.76		
1683.00	Horizontal	-58.62	21.65	-36.97		
2524.50	H	-67.66	21.22	-46.44		
3366.00	H	-81.50	21.74	-59.76		

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

**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	-60.19	23.40	-36.79	-13.00	PASS
5160.00	V	-64.61	23.69	-40.92		
6880.00	V	-80.57	23.75	-56.82		
3440.00	Horizontal	-59.51	23.40	-36.11		
5160.00	H	-63.49	23.69	-39.80		
6880.00	H	-76.25	23.75	-52.50		

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

**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	-58.09	23.42	-34.67	-13.00	PASS
5235.00	V	-69.55	23.73	-45.82		
6980.00	V	-78.22	23.79	-54.43		
3490.00	Horizontal	-55.80	23.42	-32.38		
5235.00	H	-64.28	23.73	-40.55		
6980.00	H	-77.91	23.79	-54.12		

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

**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	-60.05	23.46	-36.59	-13.00	PASS
5310.00	V	-70.17	23.77	-46.40		
7080.00	V	-81.93	23.81	-58.12		
3540.00	Horizontal	-56.37	23.46	-32.91		
5310.00	H	-65.42	23.77	-41.65		
7080.00	H	-81.40	23.81	-57.59		

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

**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	-59.62	23.40	-36.22	-13.00	PASS
5160.00	V	-64.34	23.69	-40.65		
6880.00	V	-79.06	23.75	-55.31		
3440.00	Horizontal	-57.01	23.40	-33.61		
5160.00	H	-63.74	23.69	-40.05		
6880.00	H	-75.73	23.75	-51.98		

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

**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	-57.86	23.42	-34.44	-13.00	PASS
5235.00	V	-70.03	23.73	-46.30		
6980.00	V	-78.27	23.79	-54.48		
3490.00	Horizontal	-56.09	23.42	-32.67		
5235.00	H	-64.28	23.73	-40.55		
6980.00	H	-77.60	23.79	-53.81		

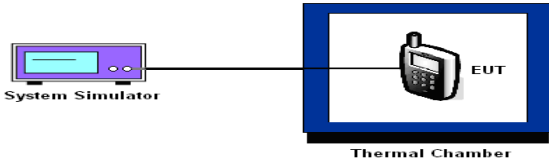
<b>Band</b>	<b>Band 66(16QAM, 20MHz)</b>	<b>Test channel:</b>	<b>Highest</b>
<b>Test mode:</b>		<b>Temperature :</b>	<b>25°C</b>
		<b>Relative Humidity:</b>	<b>56%</b>

**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	-60.76	23.46	-37.30	-13.00	PASS
5310.00	V	-70.02	23.77	-46.25		
7080.00	V	-77.73	23.81	-53.92		
3540.00	Horizontal	-55.25	23.46	-31.79		
5310.00	H	-65.47	23.77	-41.70		
7080.00	H	-79.94	23.81	-56.13		

## 5.6. Frequency Stability Measurement

### 5.6.1. Test Specification

<b>Test Requirement:</b>	FCC part 27.54, FCC part 22.355, 24.235
<b>Test Method:</b>	FCC Part 2.1055
<b>Limit:</b>	±2.5 ppm
<b>Test Setup:</b>	 <p>The diagram illustrates the test setup. On the left, a 'System Simulator' is connected via a cable to an 'EUT' (Equipment Under Test) which is housed inside a 'Thermal Chamber'.</p>
<b>Test Procedure:</b>	<p><b>Test Procedures for Temperature Variation</b></p> <ol style="list-style-type: none"> <li>1. The testing follows FCC KDB 971168 D01v03 Section 9.0.</li> <li>2. The EUT was set up in the thermal chamber and connected with the system simulator.</li> <li>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.</li> <li>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.</li> </ol> <p><b>Test Procedures for Voltage Variation</b></p> <ol style="list-style-type: none"> <li>1. The testing follows FCC KDB 971168 D01v03 Section 9.0.</li> <li>2. The EUT was placed in a temperature chamber at 25±5° C and connected with the system simulator.</li> <li>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.</li> <li>4. The variation in frequency was measured for the worst case.</li> <li>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, 5M is for LTE Band 7, 1.4M is for LTE Band 12, 5M is for LTE Band 13, 5M is for LTE Band 17, 1.4M is for LTE Band 25 1.4M is for LTE Band 26-1, 1.4M is for LTE Band 26-2 1.4M is for LTE Band 66</li> </ol>
<b>Test Result:</b>	PASS

**5.6.2. Test Instruments**

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Wideband Radio Communication Tester	R&S	CMW500	114220	Jul. 03, 2023
Programable tempratuce and humidity chamber	JQ	JQ-2000	/	Jul. 04, 2023
DC power supply	Kingrang	KR3005K	/	Jul. 04, 2023
Combiner Box	AT890-RFB	Ascentest	/	/



## **Appendix B: Photographs of Test Setup**

Refer to the test report No. TCT220714E017

## **Appendix C: Photographs of EUT**

Refer to the test report No. TCT220714E017

**Test Data for Appendix Refer to Appendix For LTE Band 2, Appendix For LTE Band 4, Appendix For LTE Band 5, Appendix For LTE Band 7, Appendix For LTE Band 12, Appendix For LTE Band 13, Appendix For LTE Band 17, Appendix For LTE Band 25, Appendix For LTE Band 26 and Appendix For LTE Band 66**

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