


FCC RF Test Report

(LTE)

Applicant: NU-ERA TELECOMMUNICATIONS INC
Address of Applicant: 848 Brickell Av. Suite 1015, Miami, Florida, United States
33131
Equipment Under Test (EUT)
Product Name: 4G Tablet
Model No.: X8A
Trade Mark: XMOBILE
FCC ID: 2A5WBXMOX8A
Applicable Standards: FCC CFR Title 47 Part 2, 27H&L
Date of Sample Receipt: 22 Mar., 2022
Date of Test: 23 Mar., to 18 Apr., 2022
Date of Report Issued: 19 Apr., 2022
Test Result: PASS

Tested by:	<u>Mike.Ou</u> Test Engineer	Date:	<u>19 Apr., 2022</u>
Reviewed by:	<u>Wenwen Zhang</u> Project Engineer	Date:	<u>19 Apr., 2022</u>
Approved by:	<u>Wenwen Zhang</u> Manager	Date:	<u>19 Apr., 2022</u>



This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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2. Version

Version No.	Date	Description
00	19 Apr., 2022	Original

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4. General Information

4.1 Client Information

Applicant:	NU-ERA TELECOMMUNICATIONS INC
Address:	848 Brickell Av. Suite 1015, Miami, Florida, United States 33131
Manufacturer:	NU-ERA TELECOMMUNICATIONS INC
Address:	848 Brickell Av. Suite 1015, Miami, Florida, United States 33131

4.2 General Description of E.U.T.

Product Name:	4G Tablet		
Model No.:	X8A		
Operation Frequency Range:	LTE band 4:	Tx: 1710 MHz - 1755 MHz	Rx: 2110 MHz - 2155 MHz
	LTE band 12:	Tx: 699 MHz - 716 MHz	Rx: 729 MHz - 746 MHz
	LTE band 17:	Tx: 704 MHz - 716 MHz	Rx: 734 MHz - 746 MHz
Modulation Type:	<input checked="" type="checkbox"/> QPSK	<input checked="" type="checkbox"/> 16QAM	<input checked="" type="checkbox"/> 64QAM
Antenna Type:	Internal Antenna		
Antenna Gain:	LTE band 4:	-1.6 dBi (declare by Applicant)	
	LTE band 12:	-1.8 dBi (declare by Applicant)	
	LTE band 17:	-1.8 dBi (declare by Applicant)	
Power Supply:	Rechargeable Li-ion Battery DC3.7V, 4000mAh		
AC Adapter:	Input: AC100-240V, 50/60Hz, 0.2A Output: DC 5.0V, 1000mA		
Test Sample Condition:	The test samples were provided in good working order with no visible defects.		

4.3 Test Model and Environment

Test Mode:	
QPSK mode:	Keep the EUT communication with simulated station in QPSK mode
16QAM mode:	Keep the EUT communication with simulated station in 16QAM mode
Remark: The EUT has been tested under continuous transmitting mode. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report.	
Operating Environment:	
Temperature:	Normal: 15°C ~ 35°C, Extreme: -30°C ~ +50°C
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 3.70 Vdc, Extreme: Low 3.5 Vdc, High 4.2 Vdc

4.4 Description of Test Auxiliary Equipment

Test Equipment	Manufacturer	Model No.	Serial No.
Simulated Station	Anritsu	MT8820C	6201026545

4.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Conducted Emission for LISN (9kHz ~ 150kHz)	±3.11 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	±2.62 dB
Radiated Emission (30MHz ~ 1GHz) (3m SAC)	±4.45 dB
Radiated Emission (1GHz ~ 18GHz) (3m SAC)	±5.34 dB
Radiated Emission (18GHz ~ 40GHz) (3m SAC)	±5.34 dB

Note: All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

4.6 Additions to, Deviations, or Exclusions from the Method

No

4.7 Laboratory Facility

<p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none"> ● FCC - Designation No.: CN1211 JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551. ● ISED – CAB identifier.: CN0021 The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1. ● CNAS - Registration No.: CNAS L15527 JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527. ● A2LA - Registration No.: 4346.01 This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf
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4.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.
 Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.
 Tel: +86-755-23118282, Fax: +86-755-23116366
 Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

4.9 Test Instruments List

Radiated Emission(3m SAC):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal.Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	WXJ001-1	01-19-2021	01-18-2024
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	02-17-2022	02-16-2023
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	06-20-2021	06-19-2022
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	02-17-2022	02-16-2023
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	06-18-2021	06-17-2022
Broadband Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	04-07-2021	04-06-2022
				04-07-2022	04-06-2023
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXG001-7	02-17-2022	02-16-2023
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXG001-3	02-17-2022	02-16-2023
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXG001-9	02-17-2022	02-16-2023
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	02-17-2022	02-16-2023
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ004-2	11-27-2021	11-26-2022
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	02-17-2022	02-16-2023
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	02-17-2022	02-16-2023
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG001-7	02-17-2022	02-16-2023
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/C	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Conducted Method:					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
Spectrum Analyzer	Keysight	N9020B	WXJ081-1	07-02-2021	07-01-2022
Simulated Station	Rohde & Schwarz	CMW500	WXJ081	07-02-2021	07-01-2022
DC Power Supply	Keysight	E3642A	WXJ025-2	10-25-2021	10-24-2022
Temperature Humidity Chamber	ZHONG ZHI	CZ-A-80D	WXJ032-3	03-19-2021	03-18-2023
RF Control Unit	Tonscend	JS0806-1	WXG010	N/A	
Band Reject Filter Group	Tonscend	JS0806-F	WXG010-1	N/A	
Test Software	Tonscend	TS+	Version: 2.6.9.0526		

5. Measurement Setup and Procedure

5.1 Test Channel

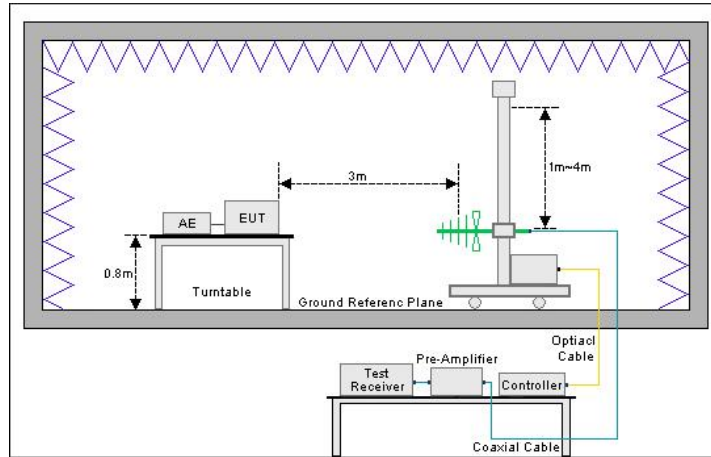
According to ANSI C63.26-2015 chapter 5.1.2.1 Table 2 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

LTE band 4					
Channels		Frequency (MHz)	Channels		Frequency (MHz)
1.4 MHz			3 MHz		
Lowest channel	19957	1710.7	Lowest channel	19965	1711.5
Middle channel	20175	1732.5	Middle channel	20175	1732.5
Highest channel	20393	1754.3	Highest channel	20385	1753.5
5 MHz			10 MHz		
Lowest channel	19975	1712.5	Lowest channel	20000	1715.0
Middle channel	20175	1732.5	Middle channel	20175	1732.5
Highest channel	20375	1752.5	Highest channel	20350	1750.0
15 MHz			20 MHz		
Lowest channel	20025	1717.5	Lowest channel	20050	1720.0
Middle channel	20175	1732.5	Middle channel	20175	1732.5
Highest channel	20325	1747.5	Highest channel	20300	1745.0
LTE band 12					
Channels		Frequency (MHz)	Channels		Frequency (MHz)
1.4 MHz			3 MHz		
Lowest channel	23017	699.70	Lowest channel	23025	700.50
Middle channel	23095	707.50	Middle channel	23095	707.50
Highest channel	23173	715.30	Highest channel	23165	714.50
5 MHz			10 MHz		
Lowest channel	23035	701.50	Lowest channel	23060	704.00
Middle channel	23095	707.50	Middle channel	23095	707.50
Highest channel	23155	713.50	Highest channel	23130	711.00
LTE band 17					
5 MHz			10 MHz		
Lowest channel	23755	706.50	Lowest channel	23780	709.00
Middle channel	23790	710.00	Middle channel	23790	710.00
Highest channel	23825	713.50	Highest channel	23800	711.00

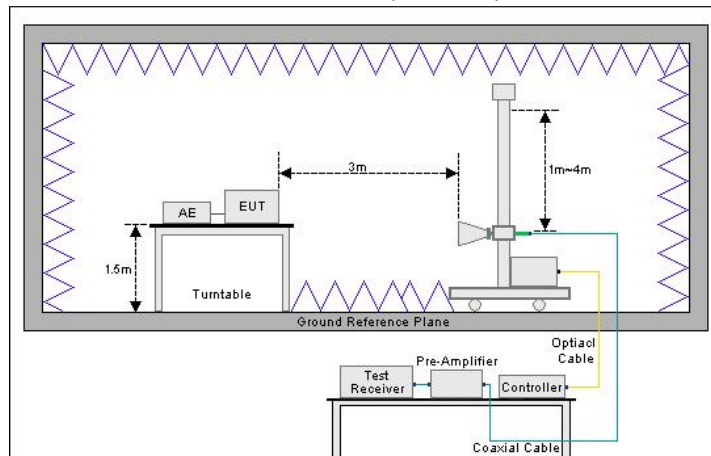
5.2 Test Setup

1) Radiated emission measurement:

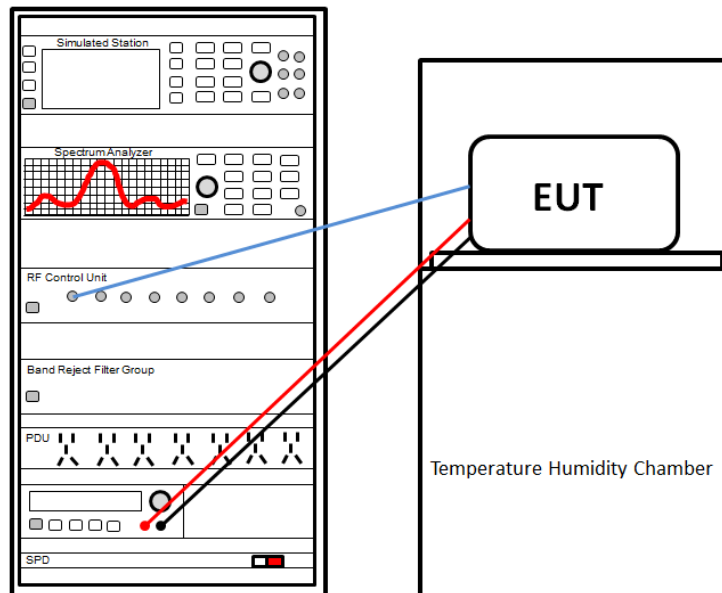
Below 1GHz (3m SAC)



Above 1GHz (3m SAC)



2) Conducted test method



5.3 Test Procedure

Test method	Test step
Radiated emission	<p>For below 1GHz:</p> <ol style="list-style-type: none"> The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. <p>For above 1GHz:</p> <ol style="list-style-type: none"> The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
Conducted test method	<ol style="list-style-type: none"> The LTE antenna port of EUT was connected to the test port of the test system through an RF cable. The EUT is keeping in continuous transmission mode and tested in all modulation modes. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.

6. Test Results

6.1 Summary

6.1.1 Clause and Data Summary

Test items	Standard clause	Test data	Result
RF Exposure (SAR)	Part 1.1307 Part 2.1093	See SAR Report	Pass
RF Output Power	Part 2.1046 Part 27.50 (c)(10) Part 27.50 (d)(4)	Appendix – LTE	Pass
Peak-to-Average Power Ratio	Part 27.50 (d)(5)	Appendix – LTE	Pass
Modulation Characteristics	Part 2.1047	Appendix – LTE	Pass
26dB Emission Bandwidth 99% Occupied Bandwidth	Part 2.1049 Part 27.53 (g) Part 27.53 (h)(3)	Appendix – LTE	Pass
Out of Band Emission at Antenna Terminals	Part 2.1051 Part 27.53 (g) Part 27.53 (h)(1)	Appendix – LTE	Pass
Field Strength of Spurious Radiation	Part 2.1053 Part 27.53 (g) Part 27.53 (h)(1)	See Section 6.2	Pass
Frequency Stability vs. Temperature	Part 2.1055 (a)(1)(b) Part 27.54	Appendix – LTE	Pass
Frequency Stability vs. Voltage	Part 2.1055 (d)(2) Part 27.54	Appendix – LTE	Pass
Remark:			
1. Pass: The EUT complies with the essential requirements in the standard. 2. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (Fundamental Frequency below 1GHz)/1.0dB (Fundamental Frequency above 1GHz) (provided by the customer).			
Test Method:	ANSI/TIA-603-E-2016 ANSI C63.26-2015		

6.1.2 Test Limit

Test items	Limit
RF Output Power	LTE band 4: 1W EIRP LTE band 12/17: 3W ERP
Peak-to-Average Power Ratio	The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB
Modulation Characteristics	N/A
26dB Emission Bandwidth 99% Occupied Bandwidth	N/A
Out of Band Emission at Antenna Terminals Field Strength of Spurious Radiation	LTE band 4, 12, 17,: The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.
Frequency Stability vs. Temperature Frequency Stability vs. Voltage	LTE band 4, 12, 17: The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

6.2 Field Strength of Spurious Radiation Measurement

LTE band 4 – 1.4 MHz bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3421.40	-49.70	-4.27	-53.97	-13.00	40.97	Vertical
5132.10	-51.43	4.41	-47.02	-13.00	34.02	Vertical
6842.80	-52.61	9.91	-42.70	-13.00	29.70	Vertical
3421.40	-49.62	-4.37	-53.99	-13.00	40.99	Horizontal
5132.10	-49.10	3.95	-45.15	-13.00	32.15	Horizontal
6842.80	-51.92	8.86	-43.06	-13.00	30.06	Horizontal
Middle channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-49.86	-3.15	-53.01	-13.00	40.01	Vertical
5197.50	-51.67	3.90	-47.77	-13.00	34.77	Vertical
6930.00	-52.61	10.67	-41.94	-13.00	28.94	Vertical
3465.00	-49.75	-3.25	-53.00	-13.00	40.00	Horizontal
5197.50	-49.40	3.40	-46.00	-13.00	33.00	Horizontal
6930.00	-52.40	9.35	-43.05	-13.00	30.05	Horizontal
Highest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3508.60	-49.70	-2.20	-51.90	-13.00	38.90	Vertical
5262.90	-51.24	3.57	-47.67	-13.00	34.67	Vertical
7017.20	-52.74	11.38	-41.36	-13.00	28.36	Vertical
3508.60	-49.93	-2.35	-52.28	-13.00	39.28	Horizontal
5262.90	-48.66	3.18	-45.48	-13.00	32.48	Horizontal
7017.20	-51.75	9.84	-41.91	-13.00	28.91	Horizontal
Remark:						
1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE band 4 – 20 MHz bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3440.00	-50.01	-3.87	-53.88	-13.00	40.88	Vertical
5160.00	-51.31	3.71	-47.60	-13.00	34.60	Vertical
6880.00	-52.23	9.08	-43.15	-13.00	30.15	Vertical
3440.00	-49.96	-3.99	-53.95	-13.00	40.95	Horizontal
5160.00	-48.81	4.20	-44.61	-13.00	31.61	Horizontal
6880.00	-51.55	10.27	-41.28	-13.00	28.28	Horizontal
Middle channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-49.90	-3.15	-53.05	-13.00	40.05	Vertical
5197.50	-51.12	3.90	-47.22	-13.00	34.22	Vertical
6930.00	-52.53	10.67	-41.86	-13.00	28.86	Vertical
3465.00	-49.48	-3.25	-52.73	-13.00	39.73	Horizontal
5197.50	-48.39	3.40	-44.99	-13.00	31.99	Horizontal
6930.00	-51.98	9.35	-42.63	-13.00	29.63	Horizontal
Highest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3490.00	-50.41	-2.50	-52.91	-13.00	39.91	Vertical
5235.00	-51.25	3.71	-47.54	-13.00	34.54	Vertical
6980.00	-51.75	11.02	-40.73	-13.00	27.73	Vertical
3490.00	-50.02	-2.60	-52.62	-13.00	39.62	Horizontal
5235.00	-48.75	3.27	-45.48	-13.00	32.48	Horizontal
6980.00	-51.55	9.59	-41.96	-13.00	28.96	Horizontal
Remark:						
1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE band 12 – 1.4 MHz bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1399.40	-49.53	-8.61	-58.14	-13.00	45.14	Vertical
2099.10	-50.20	-7.11	-57.31	-13.00	44.31	Vertical
2798.80	-49.36	-5.44	-54.80	-13.00	41.80	Vertical
1399.40	-43.28	-9.09	-52.37	-13.00	39.37	Horizontal
2099.10	-49.59	-6.80	-56.39	-13.00	43.39	Horizontal
2798.80	-48.38	-5.44	-53.82	-13.00	40.82	Horizontal
Middle channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-49.95	-8.88	-58.83	-13.00	45.83	Vertical
2122.50	-50.69	-6.68	-57.37	-13.00	44.37	Vertical
2830.00	-49.06	-5.32	-54.38	-13.00	41.38	Vertical
1415.00	-43.38	-9.31	-52.69	-13.00	39.69	Horizontal
2122.50	-49.29	-6.49	-55.78	-13.00	42.78	Horizontal
2830.00	-48.25	-5.38	-53.63	-13.00	40.63	Horizontal
Highest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1430.60	-49.21	-9.15	-58.36	-13.00	45.36	Vertical
2145.90	-50.69	-6.20	-56.89	-13.00	43.89	Vertical
2861.20	-49.17	-5.20	-54.37	-13.00	41.37	Vertical
1430.60	-43.09	-9.54	-52.63	-13.00	39.63	Horizontal
2145.90	-49.64	-6.15	-55.79	-13.00	42.79	Horizontal
2861.20	-48.70	-5.32	-54.02	-13.00	41.02	Horizontal
Remark:						
1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE band 12 – 10 MHz bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1408.00	-49.09	-8.75	-57.84	-13.00	44.84	Vertical
2112.00	-50.32	-6.85	-57.17	-13.00	44.17	Vertical
2816.00	-49.23	-5.37	-54.60	-13.00	41.60	Vertical
1408.00	-42.89	-9.21	-52.10	-13.00	39.10	Horizontal
2112.00	-49.55	-6.62	-56.17	-13.00	43.17	Horizontal
2816.00	-47.99	-5.40	-53.39	-13.00	40.39	Horizontal
Middle channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-48.91	-8.88	-57.79	-13.00	44.79	Vertical
2122.50	-50.06	-6.88	-56.94	-13.00	43.94	Vertical
2830.00	-49.46	-5.32	-54.78	-13.00	41.78	Vertical
1415.00	-43.34	-9.31	-52.65	-13.00	39.65	Horizontal
2122.50	-49.06	-6.49	-55.55	-13.00	42.55	Horizontal
2830.00	-47.61	-5.38	-52.99	-13.00	39.99	Horizontal
Highest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1422.00	-49.44	-9.00	-58.44	-13.00	45.44	Vertical
2133.00	-50.71	-6.46	-57.17	-13.00	44.17	Vertical
2844.00	-49.18	-5.27	-54.45	-13.00	41.45	Vertical
1422.00	-42.43	-9.41	-51.84	-13.00	38.84	Horizontal
2133.00	-49.41	-6.33	-55.74	-13.00	42.74	Horizontal
2844.00	-47.72	-5.35	-53.07	-13.00	40.07	Horizontal
Remark:						
1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE band 17 – 5 MHz bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1413.00	-50.20	-8.60	-58.80	-13.00	45.80	Vertical
2119.50	-50.80	-7.65	-58.45	-13.00	45.45	Vertical
2826.00	-49.91	-3.91	-53.82	-13.00	40.82	Vertical
1413.00	-46.76	-8.60	-55.36	-13.00	42.36	Horizontal
2119.50	-51.21	-7.65	-58.86	-13.00	45.86	Horizontal
2826.00	-49.22	-3.91	-53.13	-13.00	40.13	Horizontal
Middle channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1420.00	-50.39	-8.60	-58.99	-13.00	45.99	Vertical
2130.00	-51.08	-7.54	-58.62	-13.00	45.62	Vertical
2840.00	-50.41	-3.85	-54.26	-13.00	41.26	Vertical
1420.00	-46.85	-8.60	-55.45	-13.00	42.45	Horizontal
2130.00	-51.48	-7.54	-59.02	-13.00	46.02	Horizontal
2840.00	-49.55	-3.85	-53.40	-13.00	40.40	Horizontal
Highest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1427.00	-50.45	-8.77	-59.22	-13.00	46.22	Vertical
2140.50	-50.31	-7.54	-57.85	-13.00	44.85	Vertical
2854.00	-49.89	-3.85	-53.74	-13.00	40.74	Vertical
1427.00	-46.30	-8.77	-55.07	-13.00	42.07	Horizontal
2140.50	-51.52	-7.54	-59.06	-13.00	46.06	Horizontal
2854.00	-49.25	-3.85	-53.10	-13.00	40.10	Horizontal
Remark:						
1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

LTE band 17 – 10 MHz bandwidth						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1418.00	-50.08	-8.60	-58.68	-13.00	45.68	Vertical
2127.00	-51.31	-7.65	-58.96	-13.00	45.96	Vertical
2836.00	-50.71	-3.85	-54.56	-13.00	41.56	Vertical
1418.00	-47.08	-8.60	-55.68	-13.00	42.68	Horizontal
2127.00	-51.21	-7.65	-58.86	-13.00	45.86	Horizontal
2836.00	-49.49	-3.85	-53.34	-13.00	40.34	Horizontal
Middle channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1420.00	-49.76	-8.60	-58.36	-13.00	45.36	Vertical
2130.00	-51.10	-7.54	-58.64	-13.00	45.64	Vertical
2840.00	-51.14	-3.85	-54.99	-13.00	41.99	Vertical
1420.00	-47.58	-8.60	-56.18	-13.00	43.18	Horizontal
2130.00	-51.27	-7.54	-58.81	-13.00	45.81	Horizontal
2840.00	-49.30	-3.85	-53.15	-13.00	40.15	Horizontal
Highest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1422.00	-49.50	-8.60	-58.10	-13.00	45.10	Vertical
2133.00	-50.71	-7.54	-58.25	-13.00	45.25	Vertical
2844.00	-50.83	-3.85	-54.68	-13.00	41.68	Vertical
1422.00	-48.05	-8.60	-56.65	-13.00	43.65	Horizontal
2133.00	-51.68	-7.54	-59.22	-13.00	46.22	Horizontal
2844.00	-49.41	-3.85	-53.26	-13.00	40.26	Horizontal
Remark:						
1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

-----End of report-----