

# TEST REPORT

**Product Name** : Energy Control Center  
**Model Number** : ECC  
**FCC ID** : 2AMEH-ECC

**Prepared for** : SolaX Power Network Technology (Zhejiang) Co., Ltd.  
**Address** : No.288, Shizhu Road, Tonglu Economic Development Zone,  
Tonglu City, Zhejiang Province, 310000 P. R. CHINA

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**Report Number** : ENS2402060023W00502R  
**Date(s) of Tests** : February 29, 2024 to March 18, 2024  
**Date of Issue** : March 20, 2024

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## Modified Information

Version	Report No.	Revision Date	Summary
Ver.1.0	ENS2402060023W00502R	/	Original Report

# 1 TEST RESULT CERTIFICATION

Applicant : SolaX Power Network Technology (Zhejiang) Co. ,Ltd.  
 Address : No.288,Shizhu Road, Tonglu Economic Development Zone, Tonglu City, Zhejiang Province, 310000 P. R. CHINA  
 Manufacturer : SolaX Power Network Technology (Zhejiang) Co. ,Ltd.  
 Address : No.288,Shizhu Road, Tonglu Economic Development Zone, Tonglu City, Zhejiang Province, 310000 P. R. CHINA  
 Product Name : Energy Control Center  
 Model Number : ECC  
 Trademark : SolaX Power

### Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR Part 2 , Subpart J FCC 47 CFR Part 22, Subpart H FCC 47 CFR Part 24, Subpart E FCC 47 CFR Part 27 FCC 47 CFR Part 90	PASS


The device described above is tested by EMTEK (Shenzhen) Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and EMTEK (Shenzhen) Co., Ltd. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the above table standards requirement. This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (Shenzhen) Co., Ltd.

Date of Test : February 29, 2024 to March 18, 2024

Prepared by : Una Yu  
Una Yu/Editor

Reviewer : Joe Xia  
Joe Xia/Supervisor

Approved & Authorized Signer : Lisa Wang  
Lisa Wang/Manager



## 2 EUT TECHNICAL DESCRIPTION

<b>Product Name:</b>	Energy Control Center
<b>Model Number:</b>	ECC
<b>Operation Band:</b>	LTE Cat M1: B2/B4/B5/B12/B13/B25/B26/B66/B85
<b>Modulation:</b>	QPSK, 16QAM
<b>Operating Frequency Range(s):</b>	LTE Cat M1 B2: Tx: 1850~1910MHz/ Rx: 1930~1990MHz LTE Cat M1 B4: Tx:1710~1755MHz/ Rx: 2110~2155MHz LTE Cat M1 B5: Tx: 824~849MHz/ Rx: 869~894MHz LTE Cat M1 B12: Tx: 699~716MHz/ Rx: 729~746MHz LTE Cat M1 B13: Tx: 777~787MHz/ Rx: 746~756MHz LTE Cat M1 B25: Tx: 1850~1915MHz/ Rx: 1930~1995MHz LTE Cat M1 B26: Tx: 814~824MHz/ Rx: 859~869MHz LTE Cat M1 B26: Tx: 824~849MHz/ Rx: 869~894MHz LTE Cat M1 B66: Tx: 1710~1780MHz/ Rx: 2110~2200MHz LTE Cat M1 B85: Tx: 698~716MHz/ Rx: 728~746MHz
<b>Antenna Type:</b>	External Antenna
<b>Antenna Gain:</b>	LTE Cat M1 B2: 2dBi LTE Cat M1 B4: -0.74dBi LTE Cat M1 B5: 1.1dBi LTE Cat M1 B12: -0.43dBi LTE Cat M1 B13: 0.8dBi LTE Cat M1 B25: 2dBi LTE Cat M1 B26: 1.1dBi LTE Cat M1 B66: -0.33dBi LTE Cat M1 B85: -0.43dBi
<b>Power Supply:</b>	AC 120V/60Hz by Adapter Adapter: Model: DCT30W120200ZZ-A0 Input: 100-240V~50/60Hz, 0.8A Max Output: 12V, 2A, 24W
<b>Temperature Extreme Range:</b>	0°C ~ 40°C

*Note: for more details, please refer to the user's manual of the EUT.*

### 3 SUMMARY OF TEST RESULT

#### 3.1 TEST ITEMS

FCC Rule	Test Parameter	Verdict	Remark
2.1046	RF Power Output	PASS	*
22.913, 24.232, 27.50, 90.635	Equivalent (Isotropic) Radiated Power	PASS	
2.1047	Modulation Characteristics	PASS	*
2.1049	Occupied Bandwidth	PASS	*
2.1051, 22.917, 24.238, 27.53, 90.691	Out of Band Emissions at Antenna Terminals	PASS	*
	Band Edge Compliance	PASS	*
2.1053, 22.917, 24.238, 27.53, 90.691	Field Strength of Spurious Radiation	PASS	
2.1055, 22.355, 24.235, 27.54, 90.213	Frequency Stability versus Temperature	PASS	*
	Frequency Stability versus Voltage	PASS	*
24.232, 27.50	Peak to Average Ratio	PASS	*
<p>Note: * these modules have been tested and comply with the above table standards requirement, according to technical characteristic, only Equivalent (Isotropic) Radiated Power and Field Strength of Spurious Radiation retest for this device, all other test results please reference original module's test report No.: R1907A0448-R1V2, R1907A0448-R2V2, R1907A0448-R3V2, R1907A0448-R7V2, R1907A0448-R8V2.</p>			

#### RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is intended for **FCC ID: 2AMEH-ECC** filing to comply with the above table standards requirement.

## 4 TEST METHODOLOGY

### 4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to its specifications, the EUT must comply with the requirements of the following standards:

FCC 47 CFR Part 2, Subpart J  
 FCC 47 CFR Part 22H  
 FCC 47 CFR Part 24E  
 FCC 47 CFR Part 27  
 FCC 47 CFR Part 90  
 KDB971168 D01:v02r02  
 ANSI/TIA-603-D-2010  
 ANSI C63.26:2015

### 4.2 MEASUREMENT EQUIPMENT USED

#### For Spurious Emissions Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Pre-Amplifier	Bonn	BLMA 011001N	2213967A	2023/10/23	1Year
EMI Test Receiver	Rohde & Schwarz	ESR7	102551	2023/10/23	1Year
Bilog Antenna	Schwarzbeck	VULB9163	9163142	2022/7/24	2Year
Horn antenna	Schwarzbeck	BBHA9120D	9120D-1198	2023/6/2	2Year
Pre-Amplifier	Bonn	BLMA 0118-5G	2213967B-01	2023/10/23	1Year
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101290	2023/10/23	1Year
Horn antenna	Schwarzbeck	BBHA9170	9170-399	2023/5/12	2Year
Pre-Amplifier	Lunar EM	LNA18G26-40	J1012131010 001	2023/5/10	1Year
Pre-Amplifier	Lunar EM	LNA26G40-40	J1013131028 001	2023/5/10	1Year
Loop Antenna	Schwarzbeck	FMZB1519	1519-012	2023/5/12	2Year
Wideband Radio Communication Tester	R&S	CMW500	171168	2023/9/14	1Year

#### For Other Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Wideband Radio Communication Tester	R&S	CMW500	147366	2023/5/10	1Year
Signal Analyzer	KEYSIGHT	N9010B	MY60240204	2023/9/14	1Year
Vector Signal Generator	KEYSIGHT	N5182B	MY59100922	2023/9/14	1Year
Analog Signal Generator	KEYSIGHT	N5173B	MY59100520	2023/9/14	1Year
DC Power Supply	KEYSIGHT	E3642A	MY60266212	2023/9/14	1Year
RF Control Unit	Tonscend	JS0806-1	20H8060306	N/A	N/A
Band Reject Filter Group	Tonscend	JS0806-F	20H8060310	N/A	N/A
Temperature&Hum idity Chamber	ESPEC	EL-02KA	12107166	2023/5/10	1 Year

### 4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition. The CMU200 and CMW500 used to control the EUT staying in continuous transmitting and receiving mode for testing.

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

During all testing, EUT is in link mode with base station emulator at maximum power level.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

#### Test Environment

Environment Parameter	Selected Values During Tests	
Relative Humidity	60%	
Temperature	25°C	
Voltage	VL	AC 108
	VN	AC 120
	VH	AC 132
NOTE: VL= Lower Extreme Test Voltage. VN= Nominal Voltage. VH= Upper Extreme Test Voltage.		



## 5 FACILITIES AND ACCREDITATIONS

### 5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at:

Bldg 69, Majialong Industry Zone District, Nanshan District, Shenzhen, China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.26 and CISPR Publication 22.

### 5.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab.

: **Accredited by CNAS**

The Certificate Registration Number is L2291

The Laboratory has been assessed and proved to be in compliance with CNAS-CL01 (identical to ISO/IEC 17025:2017)

**Accredited by FCC**

Designation Number: CN1204

Test Firm Registration Number: 882943

**Accredited by A2LA**

The Certificate Number is 4321.01

**Accredited by Industry Canada**

The Conformity Assessment Body Identifier is CN0008

Name of Firm

Site Location

: EMTEK (SHENZHEN) CO., LTD.

: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China

## 6 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-5}$
RF Power Output	$\pm 1.0\text{dB}$
Radiated Emission Test	$\pm 2.0\text{dB}$
Occupied Bandwidth Test	$\pm 1.0\text{dB}$
Band Edge Test	$\pm 3\text{dB}$
All emission, radiated	$\pm 3\text{dB}$
Antenna Port Emission	$\pm 3\text{dB}$
Temperature	$\pm 0.5^\circ\text{C}$
Humidity	$\pm 3\%$

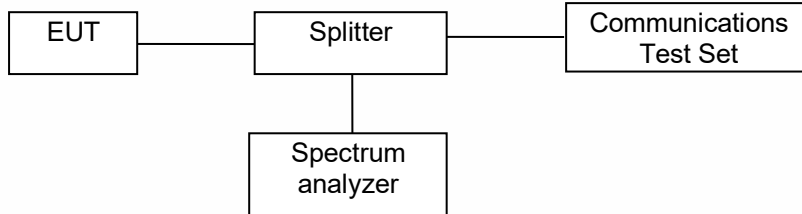
Measurement Uncertainty for a level of Confidence of 95%.



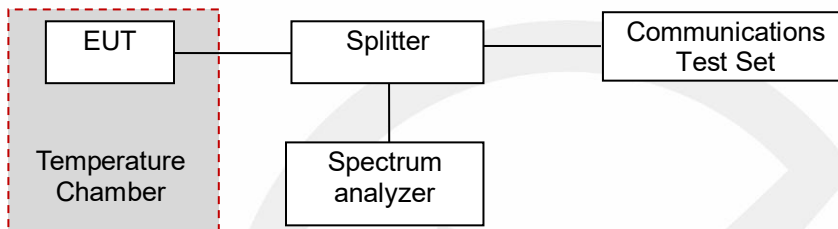
## 7 SETUP OF EQUIPMENT UNDER TEST

### 7.1 RADIO FREQUENCY TEST SETUP 1

The sample component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



### 7.2 RADIO FREQUENCY TEST SETUP 2



### 7.3 RADIO FREQUENCY TEST SETUP 3

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.26-2015 and CAN/CSA-CEI/IEC CISPR 22.

Below 30MHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 1 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

Above 30MHz:

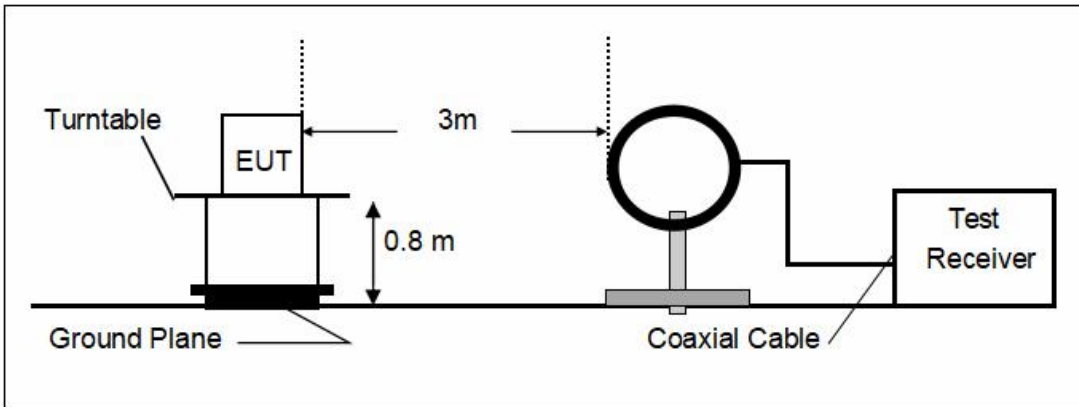
The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

Above 1GHz:

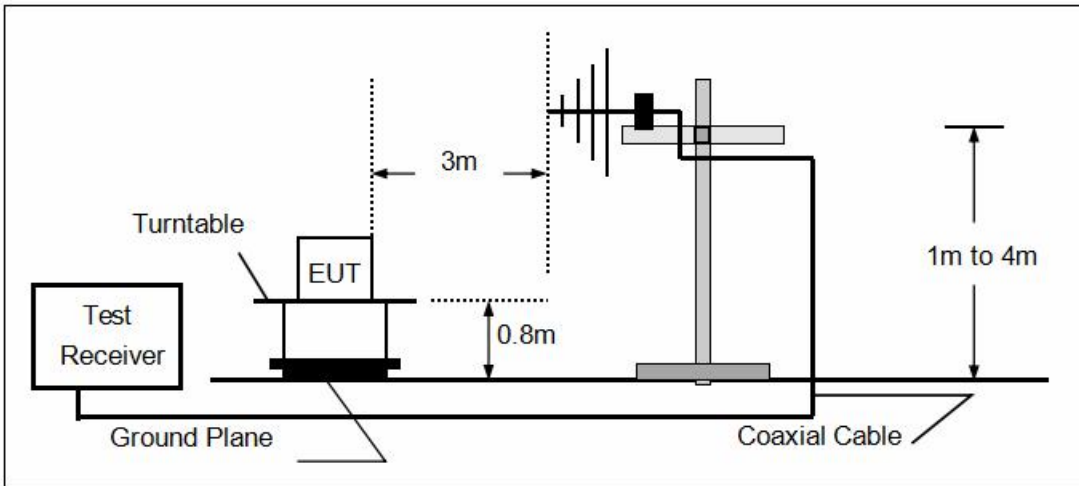
(Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.)

The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

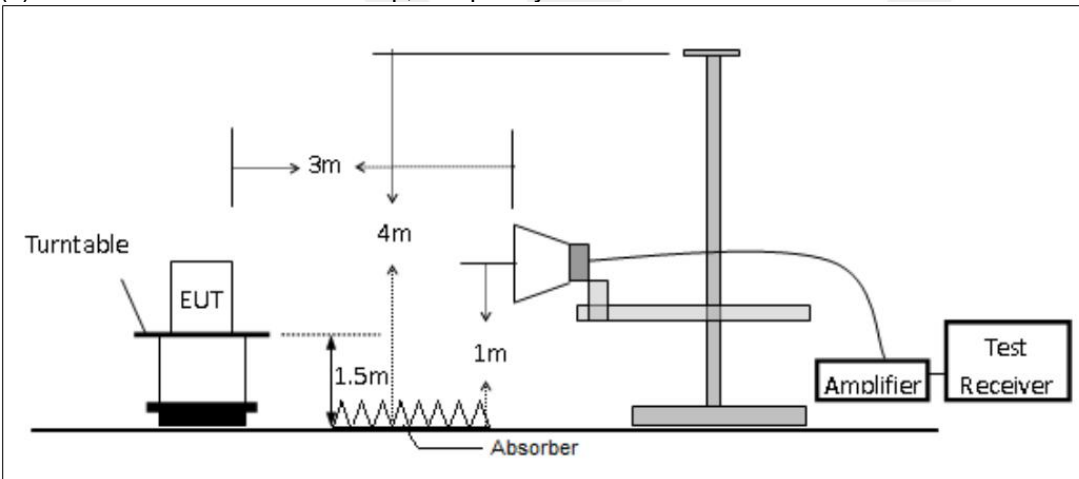
(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



(b) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(c) Radiated Emission Test Set-Up, Frequency above 1000MHz



#### 7.4 SUPPORT EQUIPMENT

N/A

**Notes:**

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. Unless otherwise denoted as EUT in [Remark.] column, device(s) used in tested system is a support equipment.



## 8 TEST REQUIREMENTS

### 8.1 EQUIVALENT (ISOTROPIC) RADIATED POWER

Measurement Procedure: FCC KDB 971168 D01 V03r01 ; C63.26 (2015)

Calculate power in dBm by the following formula:

ERP (dBm) = Conducted Power (dBm) + antenna gain (dBd)

EIRP(dBm) = Conducted Power (dBm) + antenna gain (dBi)

EIRP=ERP+2.15dB

Measurement Procedure: FCC KDB 971168 D01 V03r01 ; ANSI/C63.26 (2015)

#### Below 1GHz test procedure as below:

- 1). The EUT was powered ON and placed on a 0.8m high table in the chamber. The antenna of the transmitter was extended to its maximum length.
- 2). The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
- 3). Steps 1) and 2) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
- 4). The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
- 5). A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 2) is obtained for this set of conditions.
- 6). The output power into the substitution antenna was then measured.
- 7). Steps 5) and 6) were repeated with both antennas polarized.
- 8). Calculate power in dBm by the following formula:  
$$\text{ERP (dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBd)}$$

Where:  
Pg is the generator output power into the substitution antenna.

#### Above 1GHz test procedure as below:

- 1). Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber
- 2). Calculate power in dBm by the following formula:  
$$\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$$

EIRP=ERP+2.15dB  
Where:  
Pg is the generator output power into the substitution antenna.
- 3). Test the EUT in the lowest channel, the middle channel the Highest channel
- 4). The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, Only the test worst case mode is recorded in the report.
- 5). Repeat above procedures until all frequencies measured was complete.

**LTE Cat M1 B2:**

Band 2	Channel/ Frequency(MHz)	Index	RB# RBstart	Conducted Power (dBm)	
				QPSK	16QAM
1.4MHz	18607/1850.7	0	1#0	20.08	18.92
		0	6#0	18.11	17.98
	18900/1880	0	1#0	20.08	19.41
		0	6#0	18.12	17.98
	19193/1909.3	0	1#5	19.91	19.01
		0	6#0	17.91	18.08
3MHz	18615/1851.5	0	1#0	20.22	18.88
		0	6#0	17.99	18.25
	18900/1880	0	1#0	20.18	18.84
		0	6#0	17.96	18.24
	19185/1908.5	1	1#5	19.85	18.59
		1	6#0	17.81	18.08
5MHz	18625/1852.5	0	1#0	20.17	19.85
		0	6#0	18.98	19.09
	18900/1880	0	1#0	20.15	19.81
		0	6#0	19.04	19.15
	19175/1907.5	0	1#5	19.75	19.54
		3	6#0	18.76	19.05
10MHz	18650/1855	3	1#0	20.18	19.75
		0	4#0	20.11	20.34
	18900/1880	0	1#0	19.94	20.37
		0	4#0	19.98	20.21
	19150/1905	4	1#5	19.76	19.45
		7	4#2	19.88	20.11
15MHz	18675/1857.5	3	1#0	20.13	19.85
		0	6#0	19.94	19.68
	18900/1880	0	1#0	20.06	19.81
		0	6#0	19.93	20.11
	19125/1902.5	8	1#5	19.83	19.57
		11	6#0	19.89	20.07
20MHz	18700/1860	3	1#0	20.09	19.92
		0	6#0	19.92	20.13
	18900/1880	0	1#0	20.03	19.75
		0	6#0	19.89	20.08
	19100/1900	12	1#5	19.85	19.54
		15	6#0	19.89	20.12

Band 2	Channel/ Frequency(MHz)	Index	RB# RBstart	EIRP(dBm)		Limit (dBm)	Conclusion
				QPSK	16QAM		
1.4MHz	18607/1850.7	0	1#0	22.08	20.92	33	Pass
		0	6#0	20.11	19.98	33	Pass
	18900/1880	0	1#0	22.08	21.41	33	Pass
		0	6#0	20.12	19.98	33	Pass
	19193/1909.3	0	1#5	21.91	21.01	33	Pass
		0	6#0	19.91	20.08	33	Pass
3MHz	18615/1851.5	0	1#0	22.22	20.88	33	Pass
		0	6#0	19.99	20.25	33	Pass
	18900/1880	0	1#0	22.18	20.84	33	Pass
		0	6#0	19.96	20.24	33	Pass
	19185/1908.5	1	1#5	21.85	20.59	33	Pass
		1	6#0	19.81	20.08	33	Pass
5MHz	18625/1852.5	0	1#0	22.17	21.85	33	Pass
		0	6#0	20.98	21.09	33	Pass
	18900/1880	0	1#0	22.15	21.81	33	Pass
		0	6#0	21.04	21.15	33	Pass
	19175/1907.5	0	1#5	21.75	21.54	33	Pass
		3	6#0	20.76	21.05	33	Pass
10MHz	18650/1855	3	1#0	22.18	21.75	33	Pass
		0	4#0	22.11	22.34	33	Pass
	18900/1880	0	1#0	21.94	22.37	33	Pass
		0	4#0	21.98	22.21	33	Pass
	19150/1905	4	1#5	21.76	21.45	33	Pass
		7	4#2	21.88	22.11	33	Pass
15MHz	18675/1857.5	3	1#0	22.13	21.85	33	Pass
		0	6#0	21.94	21.68	33	Pass
	18900/1880	0	1#0	22.06	21.81	33	Pass
		0	6#0	21.93	22.11	33	Pass
	19125/1902.5	8	1#5	21.83	21.57	33	Pass
		11	6#0	21.89	22.07	33	Pass
20MHz	18700/1860	3	1#0	22.09	21.92	33	Pass
		0	6#0	21.92	22.13	33	Pass
	18900/1880	0	1#0	22.03	21.75	33	Pass
		0	6#0	21.89	22.08	33	Pass
	19100/1900	12	1#5	21.85	21.54	33	Pass
		15	6#0	21.89	22.12	33	Pass



**LTE Cat M1 B4:**

Band 4	Channel/ Frequency(MHz)	Index	RB# RBstart	Conducted Power (dBm)	
				QPSK	16AM
1.4MHz	19957/1710.7	0	1#0	19.88	19.37
		0	6#0	17.72	17.58
	20175/1732.5	0	1#0	20.51	18.87
		0	6#0	17.70	18.09
	20393/1754.3	0	1#5	20.20	18.63
		0	6#0	17.66	18.02
3MHz	19965/1711.5	0	1#0	19.92	18.56
		0	6#0	17.68	17.91
	20175/1732.5	0	1#0	20.02	18.55
		0	6#0	17.78	17.99
	20385/1753.5	1	1#5	19.72	18.35
		1	6#0	17.78	18.05
5MHz	19975/1712.5	0	1#0	20.04	19.56
		0	6#0	18.78	19.11
	20175/1732.5	0	1#0	20.09	19.74
		0	6#0	18.92	19.01
	20375/1752.5	3	1#5	19.82	19.45
		3	6#0	18.81	18.89
10MHz	20000/1715	0	1#0	19.95	19.55
		0	4#0	19.98	20.06
	20175/1732.5	0	1#0	20.07	19.72
		0	4#0	18.90	20.04
	20350/1750	7	1#5	19.75	19.49
		7	4#2	19.92	20.02
15MHz	20025/1717.5	0	1#0	20.06	19.53
		0	6#0	19.91	20.01
	20175/1732.5	0	1#0	20.05	19.61
		0	6#0	19.99	20.10
	20325/1747.5	11	1#5	19.93	19.51
		11	6#0	19.96	20.09
20MHz	20050/1720	0	1#0	19.99	19.54
		0	6#0	19.85	20.03
	20175/1732.5	0	1#0	20.07	19.59
		0	6#0	19.92	20.09
	20300/1745	15	1#5	19.81	19.55
		15	6#0	19.93	20.02

Band 4	Channel/ Frequency(MHz)	Index	RB# Bstart	EIRP(dBm)		Limit (dBm)	Conclusion
				QPSK	16QAM		
1.4MHz	19957/1710.7	0	1#0	19.14	18.63	30	Pass
		0	6#0	16.98	16.84	30	Pass
	20175/1732.5	0	1#0	19.77	18.13	30	Pass
		0	6#0	16.96	17.35	30	Pass
	20393/1754.3	0	1#5	19.46	17.89	30	Pass
		0	6#0	16.92	17.28	30	Pass
3MHz	19965/1711.5	0	1#0	19.18	17.82	30	Pass
		0	6#0	16.94	17.17	30	Pass
	20175/1732.5	0	1#0	19.28	17.81	30	Pass
		0	6#0	17.04	17.25	30	Pass
	20385/1753.5	1	1#5	18.98	17.61	30	Pass
		1	6#0	17.04	17.31	30	Pass
5MHz	19975/1712.5	0	1#0	19.3	18.82	30	Pass
		0	6#0	18.04	18.37	30	Pass
	20175/1732.5	0	1#0	19.35	19.00	30	Pass
		0	6#0	18.18	18.27	30	Pass
	20375/1752.5	3	1#5	19.08	18.71	30	Pass
		3	6#0	18.07	18.15	30	Pass
10MHz	20000/1715	0	1#0	19.21	18.81	30	Pass
		0	4#0	19.24	19.32	30	Pass
	20175/1732.5	0	1#0	19.33	18.98	30	Pass
		0	4#0	18.16	19.3	30	Pass
	20350/1750	7	1#5	19.01	18.75	30	Pass
		7	4#2	19.18	19.28	30	Pass
15MHz	20025/1717.5	0	1#0	19.32	18.79	30	Pass
		0	6#0	19.17	19.27	30	Pass
	20175/1732.5	0	1#0	19.31	18.87	30	Pass
		0	6#0	19.25	19.36	30	Pass
	20325/1747.5	11	1#5	19.19	18.77	30	Pass
		11	6#0	19.22	19.35	30	Pass
20MHz	20050/1720	0	1#0	19.25	18.8	30	Pass
		0	6#0	19.11	19.29	30	Pass
	20175/1732.5	0	1#0	19.33	18.85	30	Pass
		0	6#0	19.18	19.35	30	Pass
	20300/1745	15	1#5	19.07	18.81	30	Pass
		15	6#0	19.19	19.28	30	Pass

**LTE Cat M1 B5:**

Band 5	Channel/ Frequency(MHz)	Index	RB# RBstart	Conducted Power (dBm)	
				QPSK	16QAM
1.4MHz	20407/824.7	0	1#0	20.05	18.29
		0	6#0	17.54	18.53
	20525/836.5	0	1#0	20.62	18.78
		0	6#0	18.14	18.9
	20643/848.3	0	1#5	20.32	18.83
		0	6#0	18.09	18.83
3MHz	20415/825.5	0	1#0	19.85	18.59
		0	6#0	17.75	18.15
	20525/836.5	0	1#0	20.38	18.99
		0	6#0	18.22	18.61
	20635/847.5	1	1#5	20.23	18.87
		1	6#0	18.11	18.46
5MHz	20425/826.5	0	1#0	19.85	19.42
		0	6#0	18.93	19.09
	20525/836.5	0	1#0	20.24	19.85
		0	6#0	19.28	19.51
	20625/846.5	3	1#5	20.19	19.71
		3	6#0	19.27	19.49
10MHz	20450/829	0	1#0	19.63	20.22
		0	4#0	19.95	19.67
	20525/836.5	0	1#0	20.23	19.73
		0	4#0	20.16	20.49
	20600/844	7	1#5	19.93	20.35
		7	4#2	20.33	19.97

Band 5	Channel/ Frequency(MHz)	Index	RB# RBstart	ERP(dBm)		Limit (dBm)	Conclusion
				QPSK	16QAM		
1.4MHz	20407/824.7	0	1#0	21.15	19.39	38.45	Pass
		0	6#0	18.64	19.63	38.45	Pass
	20525/836.5	0	1#0	21.72	19.88	38.45	Pass
		0	6#0	19.24	20.00	38.45	Pass
	20643/848.3	0	1#5	21.42	19.93	38.45	Pass
		0	6#0	19.19	19.93	38.45	Pass
3MHz	20415/825.5	0	1#0	20.95	19.69	38.45	Pass
		0	6#0	18.85	19.25	38.45	Pass
	20525/836.5	0	1#0	21.48	20.09	38.45	Pass
		0	6#0	19.32	19.71	38.45	Pass
	20635/847.5	1	1#5	21.33	19.97	38.45	Pass
		1	6#0	19.21	19.56	38.45	Pass
5MHz	20425/826.5	0	1#0	20.95	20.52	38.45	Pass
		0	6#0	20.03	20.19	38.45	Pass
	20525/836.5	0	1#0	21.34	20.95	38.45	Pass
		0	6#0	20.38	20.61	38.45	Pass
	20625/846.5	3	1#5	21.29	20.81	38.45	Pass
		3	6#0	20.37	20.59	38.45	Pass
10MHz	20450/829	0	1#0	20.73	21.32	38.45	Pass
		0	4#0	21.05	20.77	38.45	Pass
	20525/836.5	0	1#0	21.33	20.83	38.45	Pass
		0	4#0	21.26	21.59	38.45	Pass
	20600/844	7	1#5	21.03	21.45	38.45	Pass
		7	4#2	21.43	21.07	38.45	Pass

**LTE Cat M1 B12:**

Band 12	Channel/ Frequency(MHz)	Index	RB# RBstart	Conducted Power (dBm)	
				QPSK	16QAM
1.4MHz	23017/699.7	0	1#0	19.98	19.44
		0	6#0	18.31	18.16
	23095/707.5	0	1#0	20.44	18.71
		0	6#0	18.06	18.44
	23173/715.3	0	1#5	19.51	19.18
		0	6#0	18.22	17.99
3MHz	23025/700.5	0	1#0	20.32	18.93
		0	6#0	18.05	18.39
	23095/707.5	0	1#0	20.29	18.97
		0	6#0	18.04	18.41
	23165/714.5	1	1#5	20.07	18.72
		1	6#0	17.84	18.22
5MHz	23035/701.5	3	1#0	20.24	19.85
		0	6#0	19.21	19.41
	23095/707.5	0	1#0	20.12	19.81
		0	6#0	19.19	19.42
	23155/713.5	0	1#5	19.92	19.51
		3	6#0	19.17	19.41
10MHz	23060/704	3	1#0	20.22	19.82
		0	4#0	20.30	20.41
	23095/707.5	0	1#0	20.13	19.79
		0	4#0	20.26	20.44
	23130/711	4	1#5	20.16	19.77
		7	4#2	20.20	20.45

Band 12	Channel/ Frequency(MHz)	Index	RB# Bstart	ERP(dBm)		Limit (dBm)	Conclusion
				QPSK	16QAM		
1.4MHz	20407/824.7	0	1#0	19.55	19.01	34.77	Pass
		0	6#0	17.88	17.73	34.77	Pass
	20525/836.5	0	1#0	20.01	18.28	34.77	Pass
		0	6#0	17.63	18.01	34.77	Pass
	20643/848.3	0	1#5	19.08	18.75	34.77	Pass
		0	6#0	17.79	17.56	34.77	Pass
3MHz	20415/825.5	0	1#0	19.89	18.50	34.77	Pass
		0	6#0	17.62	17.96	34.77	Pass
	20525/836.5	0	1#0	19.86	18.54	34.77	Pass
		0	6#0	17.61	17.98	34.77	Pass
	20635/847.5	1	1#5	19.64	18.29	34.77	Pass
		1	6#0	17.41	17.79	34.77	Pass
5MHz	20425/826.5	0	1#0	19.81	19.42	34.77	Pass
		0	6#0	18.78	18.98	34.77	Pass
	20525/836.5	0	1#0	19.69	19.38	34.77	Pass
		0	6#0	18.76	18.99	34.77	Pass
	20625/846.5	3	1#5	19.49	19.08	34.77	Pass
		3	6#0	18.74	18.98	34.77	Pass
10MHz	20450/829	0	1#0	19.79	19.39	34.77	Pass
		0	4#0	19.87	19.98	34.77	Pass
	20525/836.5	0	1#0	19.70	19.36	34.77	Pass
		0	4#0	19.83	20.01	34.77	Pass
	20600/844	7	1#5	19.73	19.34	34.77	Pass
		7	4#2	19.77	20.02	34.77	Pass

**LTE Cat M1 B13:**

Band 13	Channel/ Frequency(MHz)	Index	RB# RBstart	Conducted Power (dBm)	
				QPSK	16QAM
5MHz	23205/779.5	0	1#0	19.86	20.35
		0	6#0	19.22	19.34
	23230/782	0	1#0	20.47	19.67
		0	6#0	19.11	19.35
	23255/784.5	3	1#5	19.95	19.55
		3	6#0	19.14	19.31
10MHz	23230/782	0	1#0	20.05	19.61
		0	4#0	20.18	20.51

Band 13	Channel/ Frequency(MHz)	Index	RB# Bstart	ERP(dBm)		Limit (dBm)	Conclusion
				QPSK	16QAM		
5MHz	23205/779.5	0	1#0	20.66	21.15	34.77	Pass
		0	6#0	20.02	20.14	34.77	Pass
	23230/782	0	1#0	21.27	20.47	34.77	Pass
		0	6#0	19.91	20.15	34.77	Pass
	23255/784.5	3	1#5	20.75	20.35	34.77	Pass
		3	6#0	19.94	20.11	34.77	Pass
10MHz	23230/782	0	1#0	20.85	20.41	34.77	Pass
		0	4#0	20.98	21.31	34.77	Pass

**LTE Cat M1 B25:**

Band 25	Channel/ Frequency(MHz)	Index	RB# RBstart	Conducted Power (dBm)	
				QPSK	16QAM
1.4MHz	26047/1850.7	0	1#0	19.83	19.21
		0	6#0	17.72	17.53
	26365/1882.5	0	1#0	20.46	19.02
		0	6#0	17.76	18.15
	26683/1914.3	0	1#5	20.30	18.79
		0	6#0	17.85	18.24
3MHz	26055/1851.5	0	1#0	20.03	18.73
		0	6#0	17.61	17.97
	26365/1882.5	0	1#0	20.22	18.96
		0	6#0	17.78	18.16
	26675/1913.5	1	1#5	20.07	18.74
		1	6#0	17.75	18.12
5MHz	26065/1852.5	0	1#0	19.92	19.63
		0	6#0	18.75	18.94
	26365/1882.5	0	1#0	20.12	19.68
		0	6#0	18.97	19.13
	26665/1912.5	0	1#5	20.14	19.81
		3	6#0	18.92	19.12
10MHz	26090/1855	3	1#0	19.94	19.62
		0	4#0	18.81	19.98
	26365/1882.5	0	1#0	20.16	19.87
		0	4#0	18.99	20.06
	26640/1910	4	1#5	20.02	19.68
		7	4#2	20.05	20.29
15MHz	26115/1857.5	3	1#0	19.94	19.65
		0	6#0	19.83	19.93
	26365/1882.5	0	1#0	20.19	19.74
		0	6#0	19.99	20.02
	26615/1907.5	8	1#5	19.97	19.67
		11	6#0	20.07	20.18
20MHz	26140/1860	3	1#0	19.88	19.61
		0	6#0	19.83	20.01
	26365/1882.5	0	1#0	20.09	19.78
		0	6#0	20.02	20.12
	26590/1905	12	1#5	19.94	19.66
		15	6#0	20.01	20.19



Band 25	Channel/ Frequency(MHz)	Index	RB# RBstart	EIRP(dBm)		Limit (dBm)	Conclusion
				QPSK	16QAM		
1.4MHz	26047/1850.7	0	1#0	21.83	21.21	33	Pass
		0	6#0	19.72	19.53	33	Pass
	26365/1882.5	0	1#0	22.46	21.02	33	Pass
		0	6#0	19.76	20.15	33	Pass
	26683/1914.3	0	1#5	22.30	20.79	33	Pass
		0	6#0	19.85	20.24	33	Pass
3MHz	26055/1851.5	0	1#0	22.03	20.73	33	Pass
		0	6#0	19.61	19.97	33	Pass
	26365/1882.5	0	1#0	22.22	20.96	33	Pass
		0	6#0	19.78	20.16	33	Pass
	26675/1913.5	1	1#5	22.07	20.74	33	Pass
		1	6#0	19.75	20.12	33	Pass
5MHz	26065/1852.5	0	1#0	21.92	21.63	33	Pass
		0	6#0	20.75	20.94	33	Pass
	26365/1882.5	0	1#0	22.12	21.68	33	Pass
		0	6#0	20.97	21.13	33	Pass
	26665/1912.5	0	1#5	22.14	21.81	33	Pass
		3	6#0	20.92	21.12	33	Pass
10MHz	26090/1855	3	1#0	21.94	21.62	33	Pass
		0	4#0	20.81	21.98	33	Pass
	26365/1882.5	0	1#0	22.16	21.87	33	Pass
		0	4#0	20.99	22.06	33	Pass
	26640/1910	4	1#5	22.02	21.68	33	Pass
		7	4#2	22.05	22.29	33	Pass
15MHz	26115/1857.5	3	1#0	21.94	21.65	33	Pass
		0	6#0	21.83	21.93	33	Pass
	26365/1882.5	0	1#0	22.19	21.74	33	Pass
		0	6#0	21.99	22.02	33	Pass
	26615/1907.5	8	1#5	21.97	21.67	33	Pass
		11	6#0	22.07	22.18	33	Pass
20MHz	26140/1860	3	1#0	21.88	21.61	33	Pass
		0	6#0	21.83	22.01	33	Pass
	26365/1882.5	0	1#0	22.09	21.78	33	Pass
		0	6#0	22.02	22.12	33	Pass
	26590/1905	12	1#5	21.94	21.66	33	Pass
		15	6#0	22.01	22.19	33	Pass

**LTE Cat M1 B26:**

**(B26: Tx: 814~824MHz)**

Band 26	Channel/ Frequency(MHz)	Index	RB# RB start	Conducted Power (dBm)	
				QPSK	16QAM
1.4MHz	26697/814.7	0	1#0	19.66	19.47
		0	6#0	18.03	18.12
	26740/819	0	1#0	20.35	18.59
		0	6#0	19.84	18.63
	26783/823.3	0	1#5	20.26	19.15
		0	6#0	17.95	18.21
3MHz	26705/815.5	0	1#0	20.08	18.81
		0	6#0	17.89	18.29
	26740/819	0	1#0	20.11	18.72
		0	6#0	17.86	18.35
	26775/822.5	1	1#5	19.90	18.59
		1	6#0	17.86	18.26
5MHz	26715/816.5	3	1#0	20.04	19.78
		0	6#0	19.05	19.28
	26740/819	0	1#0	20.04	19.68
		0	6#0	18.99	19.35
	26765/821.5	0	1#5	19.94	19.55
		3	6#0	19.07	19.31
10MHz	26740/819	0	1#0	20.09	19.74
		0	4#0	20.07	20.51

Band 26	Channel/ Frequency(MHz)	Index	RB# RBstart	ERP(dBm)		Limit (dBm)	Conclusion
				QPSK	16QAM		
1.4MHz	26697/814.7	0	1#0	20.76	20.57	50	Pass
		0	6#0	19.13	19.22	50	Pass
	26740/819	0	1#0	21.45	19.69	50	Pass
		0	6#0	20.94	19.73	50	Pass
	26783/823.3	0	1#5	21.36	20.25	50	Pass
		0	6#0	19.05	19.31	50	Pass
3MHz	26705/815.5	0	1#0	21.18	19.91	50	Pass
		0	6#0	18.99	19.39	50	Pass
	26740/819	0	1#0	21.21	19.82	50	Pass
		0	6#0	18.96	19.45	50	Pass
	26775/822.5	1	1#5	21.00	19.69	50	Pass
		1	6#0	18.96	19.36	50	Pass
5MHz	26715/816.5	3	1#0	21.14	20.88	50	Pass
		0	6#0	20.15	20.38	50	Pass
	26740/819	0	1#0	21.14	20.78	50	Pass
		0	6#0	20.09	20.45	50	Pass
	26765/821.5	0	1#5	21.04	20.65	50	Pass
		3	6#0	20.17	20.41	50	Pass
10MHz	26740/819	0	1#0	21.19	20.84	50	Pass
		0	4#0	21.17	21.61	50	Pass

**(B26: Tx: 824~849MHz)**

Band 26	Channel/ Frequency(MHz)	Index	RB# RB start	Conducted Power (dBm)	
				QPSK	16QAM
1.4MHz	26797/824.7	0	1#0	19.82	18.89
		0	6#0	17.91	18.01
	26915/836.5	0	1#0	20.26	18.34
		0	6#0	17.59	18.38
	27033/848.3	0	1#5	19.98	18.45
		0	6#0	17.63	18.34
3MHz	26805/825.5	0	1#0	19.83	18.45
		0	6#0	17.49	17.97
	26915/836.5	0	1#0	19.91	18.54
		0	6#0	17.60	17.99
	27025/847.5	1	1#5	19.96	18.56
		1	6#0	17.60	18.07
5MHz	26815/826.5	3	1#0	19.87	19.55
		0	6#0	18.88	19.21
	26915/836.5	0	1#0	19.91	19.59
		0	6#0	19.01	19.25
	27015/846.5	0	1#5	19.80	19.51
		3	6#0	19.00	19.23
10MHz	26840/829	3	1#0	19.93	19.53
		0	4#0	19.98	20.49
	26915/836.5	0	1#0	20.04	19.55
		0	4#0	20.11	20.47
	26990/844	4	1#5	19.88	19.41
		7	4#2	19.94	20.37
15MHz	26865/831.5	3	1#0	19.90	19.62
		0	6#0	20.10	19.84
	26915/836.5	0	1#0	20.06	19.72
		0	6#0	20.08	20.23
	26965/841.5	8	1#5	19.87	19.55
		11	6#0	19.99	20.25

Band 26	Channel/ Frequency(MHz)	Index	RB# RBstart	ERP(dBm)		Limit (dBm)	Conclusion
				QPSK	16QAM		
1.4MHz	26797/824.7	0	1#0	20.92	19.99	38.45	Pass
		0	6#0	19.01	19.11	38.45	Pass
	26915/836.5	0	1#0	21.36	19.44	38.45	Pass
		0	6#0	18.69	19.48	38.45	Pass
	27033/848.3	0	1#5	21.08	19.55	38.45	Pass
		0	6#0	18.73	19.44	38.45	Pass
3MHz	26805/825.5	0	1#0	20.93	19.55	38.45	Pass
		0	6#0	18.59	19.07	38.45	Pass
	26915/836.5	0	1#0	21.01	19.64	38.45	Pass
		0	6#0	18.70	19.09	38.45	Pass
	27025/847.5	1	1#5	21.06	19.66	38.45	Pass
		1	6#0	18.70	19.17	38.45	Pass
5MHz	26815/826.5	3	1#0	20.97	20.65	38.45	Pass
		0	6#0	19.98	20.31	38.45	Pass
	26915/836.5	0	1#0	21.01	20.69	38.45	Pass
		0	6#0	20.11	20.35	38.45	Pass
	27015/846.5	0	1#5	20.90	20.61	38.45	Pass
		3	6#0	20.10	20.33	38.45	Pass
10MHz	26840/829	3	1#0	21.03	20.63	38.45	Pass
		0	4#0	21.08	21.59	38.45	Pass
	26915/836.5	0	1#0	21.14	20.65	38.45	Pass
		0	4#0	21.21	21.57	38.45	Pass
	26990/844	4	1#5	20.98	20.51	38.45	Pass
		7	4#2	21.04	21.47	38.45	Pass
15MHz	26865/831.5	3	1#0	21.00	20.72	38.45	Pass
		0	6#0	21.20	20.94	38.45	Pass
	26915/836.5	0	1#0	21.16	20.82	38.45	Pass
		0	6#0	21.18	21.33	38.45	Pass
	26965/841.5	8	1#5	20.97	20.65	38.45	Pass
		11	6#0	21.09	21.35	38.45	Pass

**LTE Cat M1 B66:**

Band 66	Channel/ Frequency(MHz)	Index	RB# RBstart	Conduct d Power ( Bm)	
				QPSK	16QAM
1.4MHz	131979/1710.7	0	1#0	20.18	19.74
		0	6#0	18.14	17.97
	132322/1745	0	1#0	20.17	18.52
		0	6#0	17.46	17.85
	132665/1779.3	0	1#5	20.18	18.27
		0	6#0	17.78	18.62
3MHz	131987/1711.5	0	1#0	20.18	18.83
		0	6#0	18.12	18.39
	132322/1745	0	1#0	18.21	18.31
		0	6#0	17.55	17.77
	132657/1778.5	1	1#5	19.89	18.39
		1	6#0	17.73	18.23
5MHz	131997/1712.5	0	1#0	20.17	19.87
		0	6#0	19.18	19.31
	132322/1745	0	1#0	19.74	19.45
		0	6#0	18.58	18.61
	132647/1777.5	0	1#5	19.80	19.45
		3	6#0	18.77	19.08
10MHz	132022/1715	3	1#0	20.18	19.98
		0	4#0	20.17	20.13
	132022/1745	0	1#0	19.72	19.43
		0	4#0	19.81	19.91
	132622/1775	4	1#5	19.21	18.87
		7	4#2	19.34	19.46
15MHz	132047/1717.5	3	1#0	20.17	19.91
		0	6#0	20.16	20.15
	132322/1745	0	1#0	19.76	19.44
		0	6#0	19.67	19.75
	132597/1772.5	8	1#5	19.61	19.72
		11	6#0	19.71	19.78
20MHz	132072/1720	3	1#0	20.17	19.91
		0	6#0	20.18	20.16
	132322/1745	0	1#0	19.78	19.98
		0	6#0	19.66	19.79
	132572/1770	12	1#5	19.18	18.89
		15	6#0	19.31	19.41

Band 66	Channel/ Frequency(MHz)	Index	RB# Bstart	EIRP(dBm)		Limit (dBm)	Conclusion
				QPSK	16QAM		
1.4MHz	131979/1710.7	0	1#0	19.85	19.41	30	Pass
		0	6#0	17.81	17.64	30	Pass
	132322/1745	0	1#0	19.84	18.19	30	Pass
		0	6#0	17.13	17.52	30	Pass
	132665/1779.3	0	1#5	19.85	17.94	30	Pass
		0	6#0	17.45	18.29	30	Pass
3MHz	131987/1711.5	0	1#0	19.85	18.50	30	Pass
		0	6#0	17.79	18.06	30	Pass
	132322/1745	0	1#0	17.88	17.98	30	Pass
		0	6#0	17.22	17.44	30	Pass
	132657/1778.5	1	1#5	19.56	18.06	30	Pass
		1	6#0	17.40	17.90	30	Pass
5MHz	131997/1712.5	0	1#0	19.84	19.54	30	Pass
		0	6#0	18.85	18.98	30	Pass
	132322/1745	0	1#0	19.41	19.12	30	Pass
		0	6#0	18.25	18.28	30	Pass
	132647/1777.5	0	1#5	19.47	19.12	30	Pass
		3	6#0	18.44	18.75	30	Pass
10MHz	132022/1715	3	1#0	19.85	19.65	30	Pass
		0	4#0	19.84	19.80	30	Pass
	132022/1745	0	1#0	19.39	19.10	30	Pass
		0	4#0	19.48	19.58	30	Pass
	132622/1775	4	1#5	18.88	18.54	30	Pass
		7	4#2	19.01	19.13	30	Pass
15MHz	132047/1717.5	3	1#0	19.84	19.58	30	Pass
		0	6#0	19.83	19.82	30	Pass
	132322/1745	0	1#0	19.43	19.11	30	Pass
		0	6#0	19.34	19.42	30	Pass
	132597/1772.5	8	1#5	19.28	19.39	30	Pass
		11	6#0	19.38	19.45	30	Pass
20MHz	132072/1720	3	1#0	19.84	19.58	30	Pass
		0	6#0	19.85	19.83	30	Pass
	132322/1745	0	1#0	19.45	19.65	30	Pass
		0	6#0	19.33	19.46	30	Pass
	132572/1770	12	1#5	18.85	18.56	30	Pass
		15	6#0	18.98	19.08	30	Pass

**LTE Cat M1 B85:**

Band 85	Channel/ Frequency(MHz)	Index	RB# RBstart	Conducted Power (dBm)	
				QPSK	16QAM
5MHz	134027/700.5	0	1#0	20.71	20.54
		0	6#0	20.48	20.61
	134092/707	0	1#0	20.94	20.62
		0	6#0	20.56	20.57
	134157/713.5	3	1#5	20.95	20.49
		3	6#0	20.64	20.68
10MHz	134052/703	0	1#0	20.86	20.23
		0	4#0	20.34	20.68
	134092/707	0	1#0	20.91	20.49
		0	4#0	20.86	21.08
	134132/711	0	1#5	21.03	20.58
		0	4#2	21.13	21.31

Band 85	Channel/ Frequency(MHz)	Index	RB# Bstart	ERP(dBm)		Limit (dBm)	Conclusion
				QPSK	16QAM		
5MHz	134027/700.5	0	1#0	20.28	20.11	34.77	Pass
		0	6#0	20.05	20.18	34.77	Pass
	134092/707	0	1#0	20.51	20.19	34.77	Pass
		0	6#0	20.13	20.14	34.77	Pass
	134157/713.5	3	1#5	20.52	20.06	34.77	Pass
		3	6#0	20.21	20.25	34.77	Pass
10MHz	134052/703	0	1#0	20.43	19.80	34.77	Pass
		0	4#0	19.91	20.25	34.77	Pass
	134092/707	0	1#0	20.48	20.06	34.77	Pass
		0	4#0	20.43	20.65	34.77	Pass
	134132/711	0	1#5	20.60	20.15	34.77	Pass
		0	4#2	20.70	20.88	34.77	Pass



## 8.2 FIELD STRENGTH OF SPURIOUS RADIATION

### 8.2.1 Test Configuration

Test according to clause 7.3 radio frequency test setup 3.

### 8.2.2 Test Procedure

Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the Mid ARFCN range, power control level set to Max power. MS TXPWR\_MAX\_CCH is set to the maximum value supported by the Power Class of the Mobile under test.

Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as

specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power, then the following procedure can be used to determine spurious emission.

- a) RBW = 1 MHz for  $f \geq 1$  GHz(1GHz to 25GHz), 100 kHz for  $f < 1$  GHz(30MHz to 1GHz), 200Hz for  $f < 150$ KHz(9KHz to 150KHz), 9KHz for  $f < 30$ MHz(150KHz to 30KHz).
- b) Set VBW  $\geq 3 \times$  RBW.
- c) Set span wide enough to fully capture the emission being measured.
- d) Sweep time = auto couple.
- e) Detector = peak.
- f) Ensure that the number of measurement points  $\geq$  span/RBW.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the peak amplitude level.

Step1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.

Step2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.

Step3. The table was rotated 360 degrees to determine the position of the highest spurious emission.

Step4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.

Step5. Make the measurement with the spectrum analyzer's RBW , VBW , taking the record of maximum spurious emission.

Step6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.

Step7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.

Step8. Taking the record of output power at antenna port.

Step9. Repeat step 7 to step 8 for another polarization.

Step10. Emission level (dBm) = output power + substitution Gain.

### 8.2.3 Test Results

#### PASS

All modes have been tested, and the worst result recorded was report as below.

■ Spurious Emission below 30MHz (9KHz to 30MHz)

Temperature:	25°C	Test By:	ZXR
Humidity:	60%		
Test mode:	TX Mode		

Freq. (MHz)	Ant.Pol. H/V	Emission Level(dBuV/m) PK	Limit 3m(dBuV/m) PK	Over(dB) PK
--	--	--	--	--

Note: Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25°C		Mode		Band 2		
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
175.0513	V	100	-71.12	-13.00	58.12	PASS
281.0503	V	100	-60.61	-13.00	47.61	PASS
374.9212	V	100	-64.93	-13.00	51.93	PASS
625.0012	V	100	-66.14	-13.00	53.14	PASS
836.9992	V	100	-63.56	-13.00	50.56	PASS
987.3868	V	100	-62.06	-13.00	49.06	PASS
191.3028	H	100	-69.96	-13.00	56.96	PASS
279.3523	H	100	-57.58	-13.00	44.58	PASS
500.0825	H	100	-67.93	-13.00	54.93	PASS
600.0175	H	100	-65.52	-13.00	52.52	PASS
783.1508	H	100	-63.18	-13.00	50.18	PASS
984.9612	H	100	-60.65	-13.00	47.65	PASS

■ Spurious Emission Above 1GHz (1GHz to 10<sup>th</sup> harmonics)

Temperature: 25°C		Mode		Band 2		
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3774.955	V	1000	-46.43	-13.00	33.43	PASS
6475.095	V	1000	-37.99	-13.00	24.99	PASS
8920.184	V	1000	-29.95	-13.00	16.95	PASS
11508.1016	V	1000	-28.25	-13.00	15.25	PASS
14663.9328	V	1000	-22.98	-13.00	9.98	PASS
17547.7095	V	1000	-21.21	-13.00	8.21	PASS
3662.7325	H	1000	-48.78	-13.00	35.78	PASS
6488.6977	H	1000	-40.00	-13.00	27.00	PASS
8954.1908	H	1000	-32.69	-13.00	19.69	PASS
11494.4989	H	1000	-30.31	-13.00	17.31	PASS
14701.3403	H	1000	-25.70	-13.00	12.70	PASS
17466.0932	H	1000	-21.26	-13.00	8.26	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp.

(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25°C			Mode		Band 4	
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
172.8682	V	100	-71.39	-13.00	58.39	PASS
279.5949	V	100	-60.68	-13.00	47.68	PASS
374.9212	V	100	-66.74	-13.00	53.74	PASS
655.8065	V	100	-65.63	-13.00	52.63	PASS
817.837	V	100	-63.89	-13.00	50.89	PASS
889.6349	V	100	-61.70	-13.00	48.70	PASS
175.0513	H	100	-69.25	-13.00	56.25	PASS
278.8672	H	100	-56.95	-13.00	43.95	PASS
500.0825	H	100	-67.67	-13.00	54.67	PASS
610.2051	H	100	-64.17	-13.00	51.17	PASS
761.0778	H	100	-62.97	-13.00	49.97	PASS
977.6844	H	100	-60.96	-13.00	47.96	PASS

■ Spurious Emission Above 1GHz (1GHz to 10<sup>th</sup> harmonics)

Temperature: 25°C			Mode		Band 4	
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
2438.4877	V	1000	-45.73	-13.00	32.73	PASS
6478.4957	V	1000	-37.85	-13.00	24.85	PASS
8882.7766	V	1000	-29.55	-13.00	16.55	PASS
10056.0112	V	1000	-28.60	-13.00	15.60	PASS
14640.128	V	1000	-23.72	-13.00	10.72	PASS
17595.3191	V	1000	-20.08	-13.00	7.08	PASS
3785.157	H	1000	-46.74	-13.00	33.74	PASS
6492.0984	H	1000	-38.50	-13.00	25.50	PASS
8991.5983	H	1000	-29.76	-13.00	16.76	PASS
11494.4989	H	1000	-28.07	-13.00	15.07	PASS
14575.5151	H	1000	-23.20	-13.00	10.20	PASS
16802.9606	H	1000	-19.13	-13.00	6.13	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp.

(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25°C		Mode		Band 5		
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
175.0513	V	100	-71.37	-13.00	58.37	PASS
279.1098	V	100	-60.70	-13.00	47.70	PASS
374.9212	V	100	-67.30	-13.00	54.30	PASS
625.0012	V	100	-66.60	-13.00	53.60	PASS
837.9695	V	100	-64.20	-13.00	51.20	PASS
975.5014	V	100	-62.20	-13.00	49.20	PASS
184.9962	H	100	-70.35	-13.00	57.35	PASS
278.8672	H	100	-57.97	-13.00	44.97	PASS
500.0825	H	100	-67.55	-13.00	54.55	PASS
625.0012	H	100	-64.83	-13.00	51.83	PASS
802.5556	H	100	-62.50	-13.00	49.50	PASS
976.7142	H	100	-60.56	-13.00	47.56	PASS

■ Spurious Emission Above 1GHz (1GHz to 10<sup>th</sup> harmonics)

Temperature: 25°C		Mode		Band 5		
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
2401.0802	V	1000	-44.01	-13.00	31.01	PASS
6468.2937	V	1000	-37.54	-13.00	24.54	PASS
8954.1908	V	1000	-30.11	-13.00	17.11	PASS
11504.7009	V	1000	-27.24	-13.00	14.24	PASS
14582.3165	V	1000	-23.21	-13.00	10.21	PASS
17935.3871	V	1000	-20.57	-13.00	7.57	PASS
3771.5543	H	1000	-46.06	-13.00	33.06	PASS
6502.3005	H	1000	-38.59	-13.00	25.59	PASS
8950.7902	H	1000	-30.21	-13.00	17.21	PASS
11497.8996	H	1000	-28.36	-13.00	15.36	PASS
14735.3471	H	1000	-23.37	-13.00	10.37	PASS
17938.7878	H	1000	-19.97	-13.00	6.97	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp.

(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25°C			Mode		Band 12	
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
177.4769	V	100	-72.32	-13.00	59.32	PASS
279.1098	V	100	-60.72	-13.00	47.72	PASS
374.9212	V	100	-66.22	-13.00	53.22	PASS
662.3556	V	100	-65.45	-13.00	52.45	PASS
807.892	V	100	-64.38	-13.00	51.38	PASS
990.7827	V	100	-61.26	-13.00	48.26	PASS
184.2686	H	100	-69.77	-13.00	56.77	PASS
278.8672	H	100	-58.39	-13.00	45.39	PASS
500.0825	H	100	-68.14	-13.00	55.14	PASS
612.6307	H	100	-65.65	-13.00	52.65	PASS
786.0615	H	100	-63.14	-13.00	50.14	PASS
975.0163	H	100	-60.73	-13.00	47.73	PASS

 ■ Spurious Emission Above 1GHz (1GHz to 10<sup>th</sup> harmonics)

Temperature: 25°C			Mode		Band 12	
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3601.5203	V	1000	-47.02	-13.00	34.02	PASS
6461.4923	V	1000	-37.87	-13.00	24.87	PASS
8947.3895	V	1000	-30.26	-13.00	17.26	PASS
11504.7009	V	1000	-27.64	-13.00	14.64	PASS
14667.3335	V	1000	-23.52	-13.00	10.52	PASS
17809.5619	V	1000	-19.76	-13.00	6.76	PASS
3492.6985	H	1000	-41.07	-13.00	28.07	PASS
6437.6875	H	1000	-38.38	-13.00	25.38	PASS
8950.7902	H	1000	-30.06	-13.00	17.06	PASS
11501.3003	H	1000	-27.22	-13.00	14.22	PASS
14660.5321	H	1000	-24.14	-13.00	11.14	PASS
17704.1408	H	1000	-20.48	-13.00	7.48	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp.

(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25°C		Mode		Band 13		
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
175.0513	V	100	-71.46	-13.00	58.46	PASS
279.5949	V	100	-60.73	-13.00	47.73	PASS
374.9212	V	100	-66.32	-13.00	53.32	PASS
625.0012	V	100	-66.51	-13.00	53.51	PASS
805.7089	V	100	-64.45	-13.00	51.45	PASS
992.9657	V	100	-61.68	-13.00	48.68	PASS
175.0513	H	100	-70.85	-13.00	57.85	PASS
281.2928	H	100	-57.58	-13.00	44.58	PASS
500.0825	H	100	-67.85	-13.00	54.85	PASS
600.0175	H	100	-64.89	-13.00	51.89	PASS
804.7387	H	100	-62.83	-13.00	49.83	PASS
968.7097	H	100	-59.76	-13.00	46.76	PASS

■ Spurious Emission Above 1GHz (1GHz to 10<sup>th</sup> harmonics)

Temperature: 25°C		Mode		Band 13		
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3815.7632	V	1000	-46.81	-13.00	33.81	PASS
6495.4991	V	1000	-37.42	-13.00	24.42	PASS
8940.5881	V	1000	-29.85	-13.00	16.85	PASS
11484.2969	V	1000	-27.72	-13.00	14.72	PASS
14572.1144	V	1000	-24.06	-13.00	11.06	PASS
17935.3871	V	1000	-20.02	-13.00	7.02	PASS
3768.1536	H	1000	-46.13	-13.00	33.13	PASS
5176.0352	H	1000	-37.98	-13.00	24.98	PASS
9022.2044	H	1000	-29.75	-13.00	16.75	PASS
11508.1016	H	1000	-28.24	-13.00	15.24	PASS
14742.1484	H	1000	-22.97	-13.00	9.97	PASS
18000	H	1000	-20.84	-13.00	7.84	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp.

(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25°C			Mode		Band 25	
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
170.9277	V	100	-70.64	-13.00	57.64	PASS
281.0503	V	100	-60.17	-13.00	47.17	PASS
374.9212	V	100	-65.73	-13.00	52.73	PASS
644.4061	V	100	-66.55	-13.00	53.55	PASS
824.3861	V	100	-63.85	-13.00	50.85	PASS
989.8125	V	100	-61.89	-13.00	48.89	PASS
184.7537	H	100	-70.81	-13.00	57.81	PASS
279.3523	H	100	-56.79	-13.00	43.79	PASS
500.0825	H	100	-67.30	-13.00	54.30	PASS
625.0012	H	100	-64.99	-13.00	51.99	PASS
760.3501	H	100	-63.08	-13.00	50.08	PASS
969.9225	H	100	-61.00	-13.00	48.00	PASS

■ Spurious Emission Above 1GHz (1GHz to 10<sup>th</sup> harmonics)

Temperature: 25°C			Mode		Band 25	
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3720.5441	V	1000	-47.09	-13.00	34.09	PASS
6454.6909	V	1000	-38.20	-13.00	25.20	PASS
8909.982	V	1000	-30.25	-13.00	17.25	PASS
11497.8996	V	1000	-28.12	-13.00	15.12	PASS
14803.3607	V	1000	-23.18	-13.00	10.18	PASS
17887.7776	V	1000	-21.74	-13.00	8.74	PASS
3802.1604	H	1000	-46.31	-13.00	33.31	PASS
6451.2903	H	1000	-38.44	-13.00	25.44	PASS
9236.4473	H	1000	-29.92	-13.00	16.92	PASS
11497.8996	H	1000	-27.83	-13.00	14.83	PASS
14595.9192	H	1000	-23.38	-13.00	10.38	PASS
17877.5755	H	1000	-19.20	-13.00	6.20	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp.

(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25°C			Mode		Band 26	
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
171.1703	V	100	-70.74	-13.00	57.74	PASS
279.1098	V	100	-60.30	-13.00	47.30	PASS
374.9212	V	100	-66.20	-13.00	53.20	PASS
662.3556	V	100	-67.09	-13.00	54.09	PASS
835.7864	V	100	-64.37	-13.00	51.37	PASS
989.5699	V	100	-61.33	-13.00	48.33	PASS
177.4769	H	100	-70.16	-13.00	57.16	PASS
279.1098	H	100	-57.96	-13.00	44.96	PASS
500.0825	H	100	-66.98	-13.00	53.98	PASS
609.7199	H	100	-65.56	-13.00	52.56	PASS
794.066	H	100	-63.03	-13.00	50.03	PASS
965.0713	H	100	-61.12	-13.00	48.12	PASS

■ Spurious Emission Above 1GHz (1GHz to 10<sup>th</sup> harmonics)

Temperature: 25°C			Mode		Band 26	
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3805.5611	V	1000	-47.19	-13.00	34.19	PASS
6505.7011	V	1000	-38.16	-13.00	25.16	PASS
9328.2657	V	1000	-30.42	-13.00	17.42	PASS
11467.2935	V	1000	-28.36	-13.00	15.36	PASS
14623.1246	V	1000	-22.86	-13.00	9.86	PASS
17636.1272	V	1000	-21.04	-13.00	8.04	PASS
3655.9312	H	1000	-46.66	-13.00	33.66	PASS
6454.6909	H	1000	-38.09	-13.00	25.09	PASS
8947.3895	H	1000	-30.38	-13.00	17.38	PASS
11521.7043	H	1000	-28.25	-13.00	15.25	PASS
14786.3573	H	1000	-23.85	-13.00	10.85	PASS
17962.5925	H	1000	-19.38	-13.00	6.38	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp.

(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25°C			Mode		Band 66	
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
175.0513	V	100	-72.33	-13.00	59.33	PASS
279.3523	V	100	-60.20	-13.00	47.20	PASS
374.9212	V	100	-67.45	-13.00	54.45	PASS
632.5206	V	100	-66.38	-13.00	53.38	PASS
829.2373	V	100	-64.01	-13.00	51.01	PASS
993.936	V	100	-61.88	-13.00	48.88	PASS
191.3028	H	100	-70.65	-13.00	57.65	PASS
279.3523	H	100	-57.97	-13.00	44.97	PASS
500.0825	H	100	-66.51	-13.00	53.51	PASS
601.4729	H	100	-64.60	-13.00	51.60	PASS
747.9795	H	100	-63.27	-13.00	50.27	PASS
960.2201	H	100	-61.38	-13.00	48.38	PASS

■ Spurious Emission Above 1GHz (1GHz to 10<sup>th</sup> harmonics)

Temperature: 25°C			Mode		Band 66	
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
2302.4605	V	1000	-46.99	-13.00	33.99	PASS
6478.4957	V	1000	-38.18	-13.00	25.18	PASS
9199.0398	V	1000	-30.31	-13.00	17.31	PASS
11487.6975	V	1000	-28.36	-13.00	15.36	PASS
14660.5321	V	1000	-22.67	-13.00	9.67	PASS
17945.5891	V	1000	-20.14	-13.00	7.14	PASS
2401.0802	H	1000	-43.20	-13.00	30.20	PASS
6481.8964	H	1000	-37.40	-13.00	24.40	PASS
8943.9888	H	1000	-30.14	-13.00	17.14	PASS
11497.8996	H	1000	-28.58	-13.00	15.58	PASS
14609.5219	H	1000	-23.75	-13.00	10.75	PASS
17581.7163	H	1000	-19.98	-13.00	6.98	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp.

(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25°C		Mode		Band 85		
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
175.0513	V	100	-71.80	-13.00	58.80	PASS
279.3523	V	100	-60.79	-13.00	47.79	PASS
374.9212	V	100	-66.45	-13.00	53.45	PASS
674.9687	V	100	-66.71	-13.00	53.71	PASS
828.9947	V	100	-64.10	-13.00	51.10	PASS
998.0595	V	100	-61.27	-13.00	48.27	PASS
184.9962	H	100	-70.22	-13.00	57.22	PASS
281.0503	H	100	-58.24	-13.00	45.24	PASS
500.0825	H	100	-67.22	-13.00	54.22	PASS
609.4774	H	100	-65.25	-13.00	52.25	PASS
802.5556	H	100	-62.73	-13.00	49.73	PASS
985.9315	H	100	-60.69	-13.00	47.69	PASS

■ Spurious Emission Above 1GHz (1GHz to 10<sup>th</sup> harmonics)

Temperature: 25°C		Mode		Band 85		
Humidity: 60%						
Air Pressure 106kPa						
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3710.3421	V	1000	-47.02	-13.00	34.02	PASS
6509.1018	V	1000	-38.16	-13.00	25.16	PASS
8957.5915	V	1000	-30.50	-13.00	17.50	PASS
11480.8962	V	1000	-27.93	-13.00	14.93	PASS
14619.7239	V	1000	-23.04	-13.00	10.04	PASS
17581.7163	V	1000	-20.66	-13.00	7.66	PASS
2407.8816	H	1000	-45.67	-13.00	32.67	PASS
6488.6977	H	1000	-38.18	-13.00	25.18	PASS
8913.3827	H	1000	-29.97	-13.00	16.97	PASS
11501.3003	H	1000	-27.65	-13.00	14.65	PASS
14595.9192	H	1000	-23.94	-13.00	10.94	PASS
17908.1816	H	1000	-19.83	-13.00	6.83	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp.

(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Detail of factor for radiated emission:

Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	\	20.8
1	20.9	0.15	\	21.05
10	20.1	0.28	\	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

--- End of Report ---