

## TEST REPORT

**Product** : Trail Camera  
**Trade mark** : Browning  
**Model/Type reference** : BTC-PSMX  
**Serial Number** : N/A  
**Report Number** : EED32O81515301  
**FCC ID** : 2ALGTBTC-PSMX  
**Date of Issue** : Oct. 20, 2022  
47 CFR Part 22 Subpart H;  
47 CFR Part 24 subpart E ;  
**Test Standards** : 47 CFR Part 27 subpart L;  
47 CFR Part 90 subpart S ;  
47 CFR Part1.1310  
**Test result** : PASS

Prepared for:

**Prometheus Group LLC**

**PO BOX 130100 BIRMINGHAM, ALABAMA 35213-0100 USA**

Prepared by:

**Centre Testing International Group Co., Ltd.**  
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Date:

Oct. 20, 2022

Check No.:1533230922



## 2 Version

Version No.	Date	Description
00	Oct. 20, 2022	Original

### 3 Test Summary

LTE band 2			
Test Item	Test Requirement	Test method	Result
Field strength of spurious radiation	Part 2.1053 /Part 2.1057 / Part 24.238(a)(b)	TIA-603-E-2016&KDB 971168 D01v03r01	Note1
Conducted output power	Part 2.1046(a) /Part 24.232(c)	TIA-603-E-2016&KDB 971168 D01v03r01	Note1
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 24.232(c)	TIA-603-E-2016&KDB 971168 D01v03r01	Note1
peak-to-average ratio	Part 24.232(d)	KDB 971168 D01v03r01	Note1
99% &26dBOccupied Bandwidth	Part 2.1049(h)	Part 24.238(b) &KDB 971168 D01v03r01	Note1
Band Edge at antenna terminals	Part 2.1051/ Part 24.238(a)	Part 24.238(b) &KDB 971168 D01v03r01	Note1
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 24.238(a)(b)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/Part 24.235	TIA-603-E-2016&KDB 971168 D01v03r01	Note1

Note1:Refer to the report of Report No.:191019009RFM-2 ,(LTE module' s FCC ID:QIPEXS62-W)

This test report (Ref. No.:EED32O81515301 ) is only valid with the original test report

(Ref. No.: Report No.:191019009RFM-2 ).

Review this report and original report,the module without changes in circuit and product function, therefore in this report the Radiated Spurious Emission were retested and shown the data in this report, other tests data please refer to original Report No.:191019009RFM-2

LTE band 4			
Test Item	Test Requirement	Test method	Result
Field strength of spurious radiation	Part 2.1053/ Part 27.53(h)	TIA-603-E-2016&KDB 971168 D01v03r01	Note1
Conducted output power	Part 2.1046(a) /Part 27.50(d)	TIA-603-E-2016&KDB 971168 D01v03r01	Note1
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 27.50(d)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
peak-to-average ratio	Part 27.50(d)	KDB 971168 D01v03r01	Note1
99% &26dB Occupied Bandwidth	Part 2.1049(h)	Part 27.53(h) &KDB 971168 D01v03r01	Note1
Band Edge at antenna terminals	Part 2.1051/ Part 27.53(h)	Part 27.53(h) &KDB 971168 D01v03r01	Note1
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(h)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016&KDB 971168 D01v03r01	Note1

Note1:Refer to the report of Report No.:191019009RFM-2 ,(LTE module' s FCC ID:QIPEXS62-W)

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(Ref. No.: Report No.:191019009RFM-2 ).

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LTE Band 5			
Test Item	Test Requirement	Test method	Result
Field strength of spurious radiation	Part 2.1053/ Part 2.1057/ Part 22.917(a)(b)	TIA-603-E-2016&KDB 971168 D01v03r01	Note1
Conducted output power	Part 2.1046(a)/Part 22.913(a)	TIA-603-E-2016&KDB 971168 D01v03r01	Note1
Effective Radiated Power of Transmitter(ERP)	Part 2.1046(a)/Part 22.913(a)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
99%&26dB Occupied Bandwidth	Part 2.1049(h)	Part 22.917(b) &KDB 971168 D01v03r01	Note1
Band Edge at antenna terminals	Part 2.1051/Part 22.917(a)	Part 22.917(b) &KDB 971168 D01v03r01	Note1
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 22.917(a)(b)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/ Part 22.355	TIA-603-E-2016&KDB 971168 D01v03r01	Note1

Note1:Refer to the report of Report No.:191019009RFM-2 ,(LTE module' s FCC ID:QIPEXS62-W)

This test report (Ref. No.:EED32081515301 ) is only valid with the original test report

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LTE Band 12			
Test Item	Test Requirement	Test method	Result
Field strength of spurious radiation	Part 2.1053/ Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	Note1
Conducted output power	Part 2.1046(a) /Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	Note1
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	KDB 971168 D01v03r01	Note1
Band Edge at antenna terminals	Part 2.1051/ Part 27.53(g)	KDB 971168 D01v03r01	Note1
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	Note1

Note1:Refer to the report of Report No.:191019009RFM-2 ,(LTE module' s FCC ID:QIPEXS62-W)

This test report (Ref. No.:EED32081515301 ) is only valid with the original test report

(Ref. No.: Report No.:191019009RFM-2 ).

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LTE Band 13			
Test Item	Test Requirement	Test method	Result
Field strength of spurious radiation	Part 2.1053/ Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	Note1
Conducted output power	Part 2.1046(a) /Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	Note1
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	KDB 971168 D01v03r01	Note1
Band Edge at antenna terminals	Part 2.1051/ Part 27.53(g)	KDB 971168 D01v03r01	Note1
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	Note1

Note1:Refer to the report of Report No.:191019009RFM-2 ,(LTE module' s FCC ID:QIPEXS62-W)

This test report (Ref. No.:EED32081515301 ) is only valid with the original test report

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LTE Band 66			
Test Item	Test Requirement	Test method	Result
Field strength of spurious radiation	Part 2.1053/ Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	Note1
Conducted output power	Part 2.1046(a) /Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	Note1
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 27.50(c)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	KDB 971168 D01v03r01	Note1
Band Edge at antenna terminals	Part 2.1051/ Part 27.53(g)	KDB 971168 D01v03r01	Note1
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(g)	TIA-603-E-2016 & KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016 & KDB 971168 D01v03r01	Note1

Note1:Refer to the report of Report No.:191019009RFM-2 ,(LTE module' s FCC ID:QIPEXS62-W)

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**Remark:**

Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

Volt: In this whole report Volt means Voltage.

Temp: In this whole report Temp means Temperature.

Humid: In this whole report Humid means humidity.

Press: In this whole report Press means Pressure.

N/A: In this whole report not application



## 4 Content

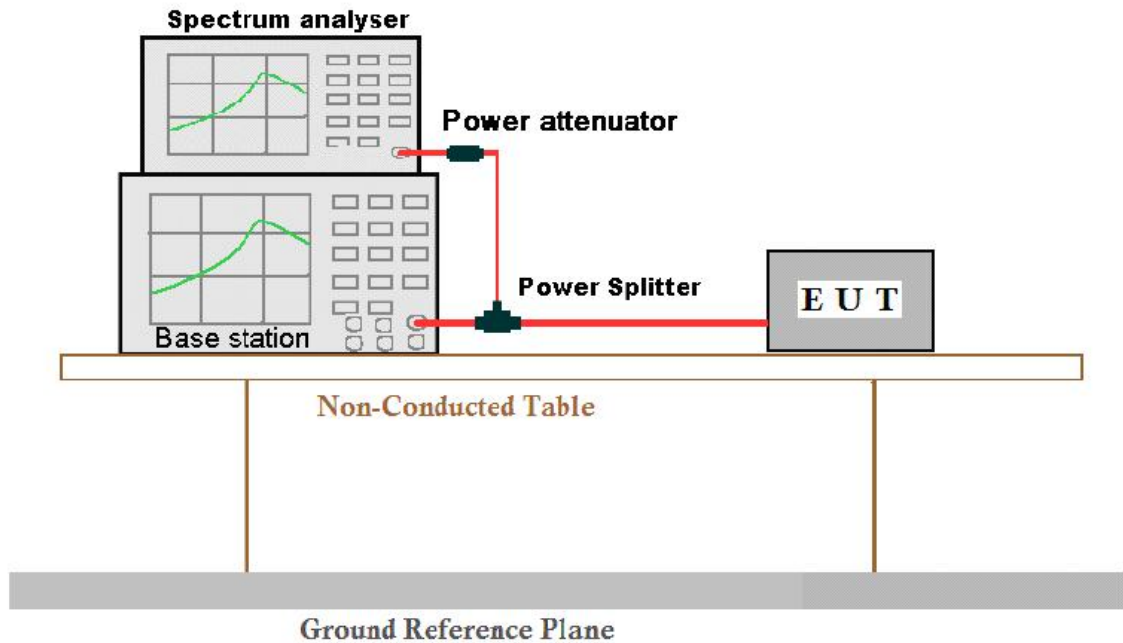
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## 5 Test Requirement

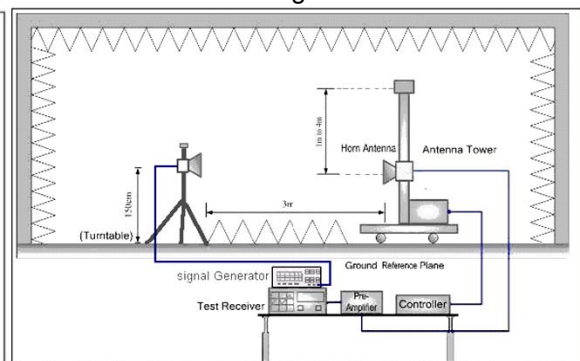
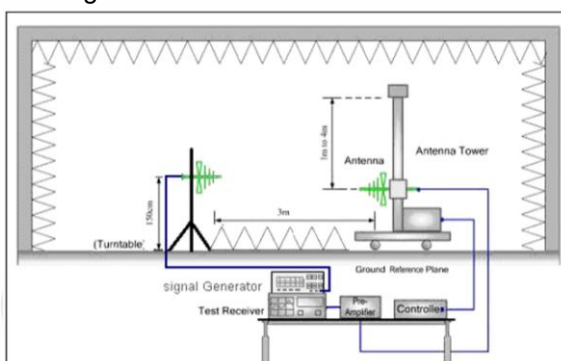
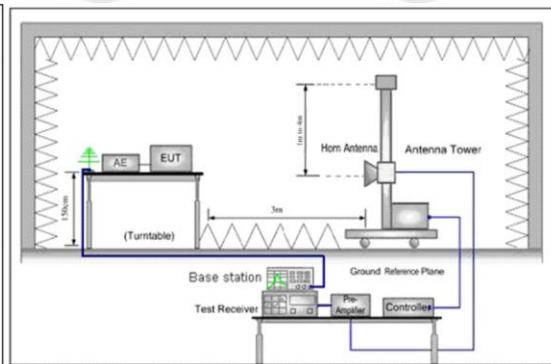
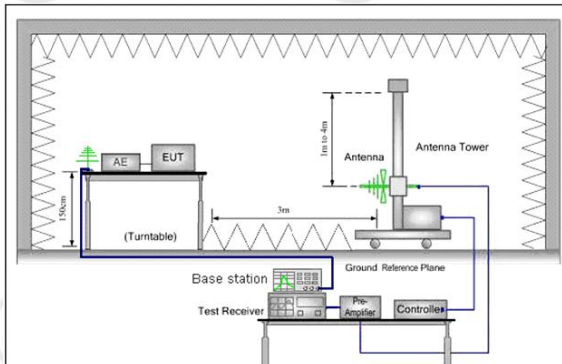
### 5.1 Test setup

#### 5.1.1 For Radiated Emissions test setup

Test setup 1:



Radiated Emissions setup:



## 5.2 Test Environment

<b>Operating Environment:</b>	
<b>Radiated Spurious Emissions:</b>	
Temperature:	22~25.0 °C
Humidity:	50~56 % RH
Atmospheric Pressure:	1010mbar

## 5.3 Test Condition

Test channel:

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band2 TX:1850-1910MHz	Low Range	1.4	18607	1850.7
		3	18615	1851.5
		5	18625	1852.5
		10	18650	1855
		15	18675	1857.5
		20	18700	1860
	Mid Range	1.4/3/5/10/15/20	18900	1880
	High Range	1.4	19193	1909.3
		3	19185	1908.5
		5	19175	1907.5
		10	19150	1905
		15	19125	1902.5
		20	19100	1900

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 4 TX:1710-1755 MHz	Low Range	1.4	19957	1710.7
		3	19965	1711.5
		5	19976	1712.5
		10	20000	1715
		15	20025	1717.5
		20	20050	1720
	Mid Range	1.4/3/5/10/15/20	20175	1732.5
	High Range	1.4	20393	1754.3
		3	20385	1753.5
		5	20375	1752.5
		10	20350	1750
		15	20325	1747.5
		20	20300	1745

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 5 TX:824-849 MHz	Low Range	1.4	20407	824.7
		3	20415	825.5
		5	20425	826.5
		10	20450	829
	Mid Range	1.4/3/5/10	20525	836.5
	High Range	1.4	20643	848.3
		3	20635	847.5
		5	20625	846.5
		10	20600	844

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 12 TX:699 to 716 MHz	Low Range	1.4	23017	699.7
		3	23025	700.5
		5	23035	701.5
		10	23060	704
	Mid Range	1.4/3/5/10	23095	707.5
	High Range	1.4	23173	715.3
		3	23165	714.5
		5	23155	713.5
		10	23130	711

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTE band 13 TX:777 to 787 MHz	Low Range	5	23205	779.5
		10	23230	782
	Mid Range	5/10	23230	782
	High Range	5	23255	784.5
		10	23230	782

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTEband25 Tx:1850-- 1915MHz	Low Range	1.4	26047	1850.7
		3	26055	1851.5
		5	26065	1852.5
		10	26090	1855
		15	26115	1857.5
		20	26140	1860
	Mid Range	1.4/3/5/10/15/20	26340	1880
	High Range	1.4	26683	1914.3
		3	26675	1913.5
		5	26665	1912.5
		10	26640	1910
		15	26615	1907.5
		20	26590	1905

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTEband26 Tx: 824- 849MHz	Low Range	1.4	26797	824.7
		3	26805	825.5
		5	26815	826.5
		10	26840	829
		15	26865	831.5
	Mid Range	1.4/3/5/10/15	26915	836.5
	High Range	1.4	27033	848.3
		3	27025	847.5
		5	27015	846.5
		10	26990	844
		15	26965	841.5

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTEband26 Tx: 814- 824MHz	Low Range	1.4	26697	814.7
		3	26705	815.5
		5	26715	816.5
		10	/	/
		15	26765	821.5
	Mid Range	1.4/3/5/10/15	26740	819
	High Range	1.4	26783	823.3
		3	26775	822.5
		5	26765	821.5
		10	/	/
		15	/	/

Test Mode	Test Frequency ID	Bandwidth (MHz)	Number [UL]	Frequency of Uplink(MHz)
LTEband66 Tx: 1710- 1780MHz	Low Range	1.4	131979	1710.7
		3	131987	1711.5
		5	131997	1712.5
		10	132022	1715
		15	132047	1717.5
		20	132072	1720
	Mid Range	1.4/3/5/10/15/20	132322	1745
	High Range	1.4	132665	1779.3
		3	132657	1778.5
		5	132647	1777.5
		10	132622	1775
		15	132597	1772.5
		20	132572	1770

## 6 General Information

### 6.1 Client Information

Applicant:	Prometheus Group LLC
Address of Applicant:	PO BOX 130100 BIRMINGHAM, ALABAMA 35213-0100 USA
Manufacturer:	Hooray Innovation Limited
Address of Manufacturer:	Flat1,4/F,Wah Wai Centre,38-42Au pui Wan Street, Fotan, Shatin, Hong Kong
Factory :	Hooray Innovation Limited
Address of Factory :	Flat1,4/F,Wah Wai Centre,38-42Au pui Wan Street, Fotan, Shatin, Hong Kong

### 6.2 General Description of EUT

Product Name:	Trail Camera
Model No.(EUT):	BTC-PSMX
Trade mark:	Browning
Power Supply:	8*1.5V AA Batteries
Sample Received Date:	Sep. 23, 2022
Sample tested Date:	Sep .24 ,2022 to Oct. 18 2022

### 6.3 Product Specification subjective to this standard

Frequency Band:	LTE Band 2: Tx: 1850-1910MHz; LTE Band 4: Tx: 1710-1755 MHz; LTE Band 5: Tx: 824-849 MHz; LTE Band 12: Tx: 699-716 MHz; LTE band 13:TX:777 -787 MHz; LTE band 25 :TX:1850-1915MHz; LTE band 26:TX:824--849 MHz,814--824 MHz; LTE band 66:Tx: 1710- 1780MHz;
Modulation Type:	QPSK, 16QAM
Antenna Type	Dipole Antenna
Antenna Gain:	698-960MHz:2.37 dBi; 1710-2170MHz:4.2 dBi



## 6.4 Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
/	/	/	/	/

## 6.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

## 6.6 Deviation from Standards

None.

## 6.7 Abnormalities from Standard Conditions

None.

## 6.8 Other Information Requested by the Customer

None.

**6.9 Measurement Uncertainty (95% confidence levels, k=2)**

No.	Item	Measurement Uncertainty
1	Radio Frequency	$7.9 \times 10^{-8}$
2	RF power, conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-18GHz)
3	Radiated Spurious emission test	4.3dB (30MHz-1GHz)
		4.5dB (1GHz-12.75GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%

## 7 Equipment List

3M Semi/full-anechoic Chamber					
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
RSE Automatic test software	JS Tonscend	JS36-RSE	10166	---	---
Receiver	Keysight	N9038A	MY57290136	03-01-2022	02-28-2023
Spectrum Analyzer	Keysight	N9020B	MY57111112	02-23-2022	02-22-2023
Spectrum Analyzer	Keysight	N9030B	MY57140871	02-23-2022	02-22-2023
TRIALOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-30-2021	04-29-2024
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-15-2021	04-14-2024
Horn Antenna	ETS-LINDGREN	3117	57407	07-04-2021	07-03-2024
Preamplifier	EMCI	EMC184055 SE	980597	04-20-2022	04-19-2023
Preamplifier	EMCI	EMC001330	980563	04-01-2022	03-31-2023
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-29-2022	07-28-2023
Preamplifier	JS Tonscend	980380	EMC051845SE	12-24-2021	12-23-2022
Communication test set	R&S	CMW500	102898	12-24-2021	12-23-2022
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-11-2022	04-10-2023
Fully Anechoic Chamber	TDK	FAC-3	---	01-09-2021	01-08-2024
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	---	---
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	---	---
Cable line	Times	EMC104-NMNM-1000	SN160710	---	---
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	---	---
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	---	---
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	---	---
Cable line	Times	HF160-KMKM-3.00M	393493-0001	---	---
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-075	04/17/2021	04/16/2024

3M full-anechoic Chamber					
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
RSE Automatic test software	JS Tonscend	JS36-RSE	10166	---	---
Receiver	Keysight	N9038A	MY57290136	03-01-2022	02-28-2023
Spectrum Analyzer	Keysight	N9020B	MY57111112	02-23-2022	02-22-2023
Spectrum Analyzer	Keysight	N9030B	MY57140871	02-23-2022	02-22-2023
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2021	04-27-2024
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-15-2021	04-14-2024
Horn Antenna	ETS-LINDGREN	3117	57407	07-04-2021	07-03-2024
Preamplifier	EMCI	EMC184055SE	980597	04-20-2022	04-19-2023
Preamplifier	EMCI	EMC001330	980563	04-01-2022	03-31-2023
Preamplifier	JS Tonscend	980380	EMC051845SE	12-24-2021	12-23-2022
Communication test set	R&S	CMW500	102898	12-24-2021	12-23-2022
Temperature/Humidity Indicator	biaozhi	GM1360	EE1186631	04-11-2022	04-10-2023
Fully Anechoic Chamber	TDK	FAC-3	---	01-09-2021	01-08-2024
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	---	---
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	---	---
Cable line	Times	EMC104-NMNM-1000	SN160710	---	---
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	---	---
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	---	---
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	---	---
Cable line	Times	HF160-KMKM-3.00M	393493-0001	---	---

## 7.1 Field strength of spurious radiation

Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-30MHz	Peak	10kHz	30kHz	Peak
	30MHz-1GHz	Peak	120kHz	300kHz	Peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
Measurement Procedure:	<p>1. Scan up to 10<sup>th</sup> harmonic, find the maximum radiation frequency to measure.</p> <p>2. The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT.</p> <p>Test procedure as below:                      The EUT was powered ON and placed on a 1.5m high table at a 3 meter fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test.                      The EUT was set 3 meters(above 18GHz the distance is 1 meter) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.                      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.                      Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.                      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.                      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 3) is obtained for this set of conditions.                      The output power into the substitution antenna was then measured.                      Steps 6) and 7) were repeated with both antennas polarized.                      Calculate power in dBm by the following formula:  <math display="block">\text{ERP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}</math> <math display="block">\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}</math> <math display="block">\text{EIRP} = \text{ERP} + 2.15\text{dB}</math>                     where:                      Pg is the generator output power into the substitution antenna.</p> <p>Test the EUT in the lowest channel, the middle channel the Highest channel                      The radiation measurements are performed in X, Y, Z axis positioning for EUT operation mode, And found the X axis positioning which it is worse case.                      Repeat above procedures until all frequencies measured was complete.</p>				
Limit:	Attenuated at least 43+10log(P)				

**Measurement Data**

Remark: Only the worst case was recorded in the report.

**QPSK:**

Mode:		LTE Traffic						
Band:		2	Channel:				18900	
Remark:		20MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	109.9440	150	318	-76.72	-36.00	40.72	PASS	Horizontal
2	208.9038	150	282	-81.10	-36.00	45.10	PASS	Horizontal
3	360.0600	150	99	-78.23	-36.00	42.23	PASS	Horizontal
4	1282.6283	150	290	-58.89	-30.00	28.89	PASS	Horizontal
5	3777.4518	150	49	-62.87	-30.00	32.87	PASS	Horizontal
6	5615.7744	150	3	-62.94	-30.00	32.94	PASS	Horizontal
7	37.3735	150	165	-70.32	-36.00	34.32	PASS	Vertical
8	184.2609	150	79	-73.70	-36.00	37.70	PASS	Vertical
9	625.1170	150	97	-75.93	-36.00	39.93	PASS	Vertical
10	1280.4280	150	154	-58.79	-30.00	28.79	PASS	Vertical
11	3743.6496	150	3	-62.67	-30.00	32.67	PASS	Vertical
12	5616.4244	150	313	-58.54	-30.00	28.54	PASS	Vertical

Mode:		LTE Traffic						
Band:		4	Channel:				20175	
Remark:		20MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	97.1307	150	241	-78.47	-36.00	42.47	PASS	Horizontal
2	224.6985	150	357	-71.31	-36.00	35.31	PASS	Horizontal
3	688.1138	150	30	-63.11	-36.00	27.11	PASS	Horizontal
4	2128.9129	150	287	-58.27	-30.00	28.27	PASS	Horizontal
5	3482.9822	150	48	-51.08	-30.00	21.08	PASS	Horizontal
6	6929.5120	150	92	-38.07	-30.00	8.07	PASS	Horizontal
7	37.2757	150	189	-69.18	-36.00	33.18	PASS	Vertical
8	184.3424	150	99	-72.98	-36.00	36.98	PASS	Vertical
9	688.1138	150	50	-64.87	-36.00	28.87	PASS	Vertical
10	1278.6279	150	171	-59.72	-30.00	29.72	PASS	Vertical
11	3482.9822	150	129	-53.54	-30.00	23.54	PASS	Vertical
12	6928.2119	150	360	-39.71	-30.00	9.71	PASS	Vertical

Mode:		LTE Traffic						
Band:		5	Channel:				20525	
Remark:		10MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.1182	150	357	-72.84	-36.00	36.84	PASS	Horizontal
2	225.6686	150	357	-71.82	-36.00	35.82	PASS	Horizontal
3	688.1138	150	26	-63.35	-36.00	27.35	PASS	Horizontal
4	1499.8000	150	26	-58.03	-30.00	28.03	PASS	Horizontal
5	5499.7667	150	256	-53.88	-30.00	23.88	PASS	Horizontal
6	6927.8785	150	264	-38.08	-30.00	8.08	PASS	Horizontal
7	37.2757	150	304	-69.43	-36.00	33.43	PASS	Vertical
8	184.3424	150	91	-73.28	-36.00	37.28	PASS	Vertical
9	557.0537	150	31	-74.84	-36.00	38.84	PASS	Vertical
10	1681.5454	150	313	-62.48	-30.00	32.48	PASS	Vertical
11	3249.8833	150	240	-61.50	-30.00	31.50	PASS	Vertical
12	6927.8785	150	3	-38.57	-30.00	8.57	PASS	Vertical

Mode:		LTE Traffic						
Band:		12	Channel:				23095	
Remark:		10MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	75.0125	150	111	-78.96	-36.00	42.96	PASS	Horizontal
2	225.4745	150	357	-71.78	-36.00	35.78	PASS	Horizontal
3	500.0120	150	32	-73.62	-36.00	37.62	PASS	Horizontal
4	1423.8116	150	154	-45.05	-30.00	15.05	PASS	Horizontal
5	2135.9091	150	65	-53.75	-30.00	23.75	PASS	Horizontal
6	6927.8785	150	264	-37.75	-30.00	7.75	PASS	Horizontal
7	37.3727	150	237	-69.78	-36.00	33.78	PASS	Vertical
8	184.3424	150	55	-73.43	-36.00	37.43	PASS	Vertical
9	399.9950	150	55	-76.82	-36.00	40.82	PASS	Vertical
10	1423.8116	150	333	-49.83	-30.00	19.83	PASS	Vertical
11	3249.8833	150	248	-61.81	-30.00	31.81	PASS	Vertical
12	6928.6619	150	360	-36.84	-30.00	6.84	PASS	Vertical

Mode:		LTE Traffic							
Band:		13	Channel:				23230		
Remark:		10M							
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity	
1	52.1182	150	357	-66.52	-36.00	30.52	PASS	Horizontal	
2	224.6985	150	357	-70.93	-36.00	34.93	PASS	Horizontal	
3	557.0537	150	38	-73.72	-36.00	37.72	PASS	Horizontal	
4	2359.1739	150	231	-51.82	-30.00	21.82	PASS	Horizontal	
5	6930.2287	150	263	-37.25	-30.00	7.25	PASS	Horizontal	
6	10000.3167	150	156	-47.93	-30.00	17.93	PASS	Horizontal	
7	37.2757	150	45	-69.13	-36.00	33.13	PASS	Vertical	
8	184.3424	150	3	-73.03	-36.00	37.03	PASS	Vertical	
9	557.0537	150	33	-75.09	-36.00	39.09	PASS	Vertical	
10	1499.8000	150	289	-67.73	-30.00	37.73	PASS	Vertical	
11	3249.8833	150	247	-62.65	-30.00	32.65	PASS	Vertical	
12	6931.0121	150	3	-38.57	-30.00	8.57	PASS	Vertical	

Mode:		LTE Traffic							
Band:		25	Channel:				26365		
Remark:		10MHz							
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity	
1	37.3735	150	152	-78.30	-36.00	42.30	PASS	Horizontal	
2	226.3673	150	347	-72.75	-36.00	36.75	PASS	Horizontal	
3	688.1796	150	27	-65.91	-36.00	29.91	PASS	Horizontal	
4	1256.6257	150	27	-59.17	-30.00	29.17	PASS	Horizontal	
5	3782.6522	150	89	-54.57	-30.00	24.57	PASS	Horizontal	
6	6932.1121	150	275	-37.93	-30.00	7.93	PASS	Horizontal	
7	37.1794	150	72	-70.72	-36.00	34.72	PASS	Vertical	
8	184.2609	150	125	-74.48	-36.00	38.48	PASS	Vertical	
9	688.1796	150	45	-67.16	-36.00	31.16	PASS	Vertical	
10	1324.2324	150	187	-59.17	-30.00	29.17	PASS	Vertical	
11	5749.6833	150	310	-54.18	-30.00	24.18	PASS	Vertical	
12	6932.1121	150	3	-39.87	-30.00	9.87	PASS	Vertical	



Mode:		LTE Traffic							
Band:		26	Channel:				26865		
Remark:		10MHz							
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity	
1	52.1171	150	357	-66.76	-36.00	30.76	PASS	Horizontal	
2	109.9805	150	0	-73.58	-36.00	37.58	PASS	Horizontal	
3	224.5432	150	357	-67.90	-36.00	31.90	PASS	Horizontal	
4	1671.5461	150	312	-53.35	-30.00	23.35	PASS	Horizontal	
5	3343.6547	150	98	-56.49	-30.00	26.49	PASS	Horizontal	
6	6931.6966	150	265	-35.77	-30.00	5.77	PASS	Horizontal	
7	54.7847	150	3	-67.62	-36.00	31.62	PASS	Vertical	
8	184.2862	150	333	-70.56	-36.00	34.56	PASS	Vertical	
9	688.0809	150	59	-63.12	-36.00	27.12	PASS	Vertical	
10	1671.5461	150	202	-57.44	-30.00	27.44	PASS	Vertical	
11	4999.9000	150	308	-52.50	-30.00	22.50	PASS	Vertical	
12	6931.6966	150	3	-35.40	-30.00	5.40	PASS	Vertical	

Mode:		LTE Traffic							
Band:		66	Channel:				132322		
Remark:		20M							
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity	
1	40.0900	150	347	-76.06	-36.00	40.06	PASS	Horizontal	
2	90.1520	150	35	-76.89	-36.00	40.89	PASS	Horizontal	
3	223.8448	150	357	-70.55	-36.00	34.55	PASS	Horizontal	
4	2148.1148	150	285	-41.69	-30.00	11.69	PASS	Horizontal	
5	3498.5832	150	49	-43.71	-30.00	13.71	PASS	Horizontal	
6	6933.4122	150	272	-35.86	-30.00	5.86	PASS	Horizontal	
7	53.6727	150	330	-71.40	-36.00	35.40	PASS	Vertical	
8	184.2609	150	112	-72.94	-36.00	36.94	PASS	Vertical	
9	722.1364	150	26	-54.83	-36.00	18.83	PASS	Vertical	
10	2794.1794	150	76	-47.41	-30.00	17.41	PASS	Vertical	
11	3498.5832	150	86	-46.46	-30.00	16.46	PASS	Vertical	
12	6932.7622	150	360	-37.11	-30.00	7.11	PASS	Vertical	

Mode:		LTE Idle						
Band:		2	Channel:				18900	
Remark:		20MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	39.9920	150	41	-75.96	-57.00	18.96	PASS	Horizontal
2	79.9600	150	281	-77.27	-57.00	20.27	PASS	Horizontal
3	360.0270	150	22	-80.05	-57.00	23.05	PASS	Horizontal
4	1288.4288	150	212	-59.98	-47.00	12.98	PASS	Horizontal
5	5016.4344	150	162	-64.60	-47.00	17.60	PASS	Horizontal
6	9224.1649	150	341	-60.35	-47.00	13.35	PASS	Horizontal
7	37.0817	150	58	-70.30	-57.00	13.30	PASS	Vertical
8	199.9610	150	4	-72.76	-57.00	15.76	PASS	Vertical
9	625.0575	150	294	-72.03	-57.00	15.03	PASS	Vertical
10	1258.0258	150	194	-60.14	-47.00	13.14	PASS	Vertical
11	5029.4353	150	70	-64.26	-47.00	17.26	PASS	Vertical
12	8079.4386	150	90	-62.26	-47.00	15.26	PASS	Vertical

Mode:		LTE Idle						
Band:		4	Channel:				20175	
Remark:		20MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	79.9600	150	250	-76.94	-57.00	19.94	PASS	Horizontal
2	208.8859	150	358	-80.79	-57.00	23.79	PASS	Horizontal
3	360.0270	150	104	-80.47	-57.00	23.47	PASS	Horizontal
4	1332.8333	150	308	-60.70	-47.00	13.70	PASS	Horizontal
5	5010.5840	150	211	-64.49	-47.00	17.49	PASS	Horizontal
6	10140.7260	150	338	-58.85	-47.00	11.85	PASS	Horizontal
7	37.0817	150	248	-71.40	-57.00	14.40	PASS	Vertical
8	199.9610	150	3	-72.11	-57.00	15.11	PASS	Vertical
9	625.0575	150	326	-72.83	-57.00	15.83	PASS	Vertical
10	1290.0290	150	122	-59.70	-47.00	12.70	PASS	Vertical
11	5014.4843	150	338	-64.38	-47.00	17.38	PASS	Vertical
12	9202.0635	150	346	-59.30	-47.00	12.30	PASS	Vertical

Mode:		LTE Idle						
Band:		5	Channel:				20525	
Remark:		10MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	40.0900	150	260	-77.11	-57.00	20.11	PASS	Horizontal
2	97.1374	150	242	-80.29	-57.00	23.29	PASS	Horizontal
3	360.0600	150	242	-82.52	-57.00	25.52	PASS	Horizontal
4	2183.8717	150	183	-69.51	-47.00	22.51	PASS	Horizontal
5	4849.4925	150	157	-66.20	-47.00	19.20	PASS	Horizontal
6	9778.2764	150	37	-58.44	-47.00	11.44	PASS	Horizontal
7	37.1794	150	142	-70.86	-57.00	13.86	PASS	Vertical
8	199.9780	150	357	-72.83	-57.00	15.83	PASS	Vertical
9	625.1170	150	245	-75.57	-57.00	18.57	PASS	Vertical
10	1404.8077	150	41	-73.52	-47.00	26.52	PASS	Vertical
11	4623.2937	150	0	-66.00	-47.00	19.00	PASS	Vertical
12	10209.5230	150	245	-58.12	-47.00	11.12	PASS	Vertical

Mode:		LTE Idle						
Band:		12	Channel:				23095	
Remark:		10MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	37.1794	150	115	-78.34	-57.00	21.34	PASS	Horizontal
2	109.9440	150	5	-80.97	-57.00	23.97	PASS	Horizontal
3	270.0260	150	133	-82.17	-57.00	25.17	PASS	Horizontal
4	2046.9773	150	14	-70.37	-47.00	23.37	PASS	Horizontal
5	5021.6386	150	151	-64.68	-47.00	17.68	PASS	Horizontal
6	8790.6395	150	142	-61.40	-47.00	14.40	PASS	Horizontal
7	40.0900	150	39	-72.16	-57.00	15.16	PASS	Vertical
8	199.9780	150	357	-73.44	-57.00	16.44	PASS	Vertical
9	625.1170	150	86	-75.55	-57.00	18.55	PASS	Vertical
10	1979.4115	150	313	-72.35	-47.00	25.35	PASS	Vertical
11	5013.4132	150	357	-63.73	-47.00	16.73	PASS	Vertical
12	8082.0791	150	322	-61.71	-47.00	14.71	PASS	Vertical

Mode:		LTE Idle						
Band:		13	Channel:				23230	
Remark:		10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	39.8960	150	306	-78.12	-57.00	21.12	PASS	Horizontal
2	109.9440	150	3	-80.53	-57.00	23.53	PASS	Horizontal
3	270.0260	150	3	-81.86	-57.00	24.86	PASS	Horizontal
4	2028.7639	150	157	-69.73	-47.00	22.73	PASS	Horizontal
5	5006.9503	150	129	-64.12	-47.00	17.12	PASS	Horizontal
6	9310.0155	150	111	-59.31	-47.00	12.31	PASS	Horizontal
7	53.6727	150	283	-77.45	-57.00	20.45	PASS	Vertical
8	199.9780	150	357	-73.44	-57.00	16.44	PASS	Vertical
9	625.1170	150	74	-76.40	-57.00	19.40	PASS	Vertical
10	2343.0922	150	148	-70.50	-47.00	23.50	PASS	Vertical
11	5534.5517	150	253	-65.03	-47.00	18.03	PASS	Vertical
12	8790.0520	150	338	-60.50	-47.00	13.50	PASS	Vertical

Mode:		LTE Idle						
Band:		25	Channel:				26365	
Remark:		10MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	79.9600	150	160	-78.29	-57.00	21.29	PASS	Horizontal
2	159.9930	150	4	-78.22	-57.00	21.22	PASS	Horizontal
3	360.0270	150	141	-81.12	-57.00	24.12	PASS	Horizontal
4	1365.8366	150	160	-60.75	-47.00	13.75	PASS	Horizontal
5	5013.1842	150	141	-64.14	-47.00	17.14	PASS	Horizontal
6	7030.2687	150	41	-62.90	-47.00	15.90	PASS	Horizontal
7	37.1787	150	102	-70.32	-57.00	13.32	PASS	Vertical
8	199.9610	150	3	-72.29	-57.00	15.29	PASS	Vertical
9	625.0575	150	74	-72.41	-57.00	15.41	PASS	Vertical
10	1398.4398	150	201	-59.83	-47.00	12.83	PASS	Vertical
11	5019.0346	150	64	-64.19	-47.00	17.19	PASS	Vertical
12	8111.9408	150	0	-61.89	-47.00	14.89	PASS	Vertical

Mode:		LTE Idle						
Band:		26	Channel:				26865	
Remark:		10MHz						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	39.8960	150	80	-77.07	-57.00	20.07	PASS	Horizontal
2	80.0620	150	233	-78.53	-57.00	21.53	PASS	Horizontal
3	270.0260	150	123	-82.50	-57.00	25.50	PASS	Horizontal
4	1617.4934	150	123	-71.07	-47.00	24.07	PASS	Horizontal
5	5015.7633	150	312	-64.12	-47.00	17.12	PASS	Horizontal
6	7375.8688	150	29	-62.47	-47.00	15.47	PASS	Horizontal
7	37.1794	150	117	-71.04	-57.00	14.04	PASS	Vertical
8	199.9780	150	357	-72.89	-57.00	15.89	PASS	Vertical
9	625.1170	150	271	-75.45	-57.00	18.45	PASS	Vertical
10	2544.6147	150	228	-69.38	-47.00	22.38	PASS	Vertical
11	5009.8880	150	151	-64.03	-47.00	17.03	PASS	Vertical
12	9338.8044	150	228	-58.48	-47.00	11.48	PASS	Vertical

Mode:		LTE Idle						
Band:		66	Channel:				132322	
Remark:		20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	79.9600	150	240	-77.77	-57.00	20.77	PASS	Horizontal
2	159.9930	150	3	-80.42	-57.00	23.42	PASS	Horizontal
3	360.0270	150	147	-79.76	-57.00	22.76	PASS	Horizontal
4	1316.0316	150	360	-60.15	-47.00	13.15	PASS	Horizontal
5	5016.4344	150	9	-64.15	-47.00	17.15	PASS	Horizontal
6	9313.8709	150	47	-60.10	-47.00	13.10	PASS	Horizontal
7	37.2757	150	109	-69.82	-57.00	12.82	PASS	Vertical
8	199.9610	150	3	-72.67	-57.00	15.67	PASS	Vertical
9	625.0575	150	56	-72.37	-57.00	15.37	PASS	Vertical
10	1317.0317	150	302	-59.99	-47.00	12.99	PASS	Vertical
11	5002.1335	150	34	-64.45	-47.00	17.45	PASS	Vertical
12	8604.0236	150	0	-61.49	-47.00	14.49	PASS	Vertical

**Note:**

1.Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

2.All card slots,LTE band,modulation,Bandwidth had been tested, but only the worst case data of the first card slot displayed in this report.