

TEST REPORT

Product : Trail Camera
Trade mark : Browning
Model/Type reference : BTC-PSMHD
Serial Number : N/A
Report Number : EED32P81242101
FCC ID : 2ALGTBTC-PSMHD
Date of Issue : Aug. 25, 2023
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**2 Perimeter Park S, suite 305E, BIRMINGHAM, ALABAMA 35243 USA**

Prepared by:

Centre Testing International Group Co., Ltd.**Hongwei Industrial Zone, Bao'an 70 District,****Shenzhen, Guangdong, China****TEL: +86-755-3368 3668****FAX: +86-755-3368 3385**

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Date:

Aug. 25, 2023

Aaron Ma

Check No.: 4225090823



2 Version

Version No.	Date	Description
00	Aug. 25, 2023	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	PASS
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	Note1
Frequency stability	Part 2.1055/Part 24.235	TIA-603-E-2016&KDB 971168 D01v03r01	Note1

Note1:Refer to the report of Report No.:CN21N817001 ,(LTE module' s FCC ID:RI7ME310G1W3)

This test report (Ref. No.:EED32P81242101) is only valid with the original test report

(Ref. No.: Report No.:CN21N817001).

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.:CN21N817001

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% &26dBOccupied 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.:CN21N817001 ,(LTE module' s FCC ID:RI7ME310G1W3)

This test report (Ref. No.:EED32P81242101) is only valid with the original test report (Ref. No.: Report No.:CN21N817001).

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.:CN21N817001

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.:CN21N817001 ,(LTE module' s FCC ID:RI7ME310G1W3)

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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.:CN21N817001 ,(LTE module' s FCC ID:RI7ME310G1W3)

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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.:CN21N817001,(LTE module' s FCC ID:RI7ME310G1W3)

This test report (Ref. No.:EED32P81242101) is only valid with the original test report (Ref. No.: Report No.:CN21N817001).

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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.:CN21N817001 ,(LTE module' s FCC ID:RI7ME310G1W3)

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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

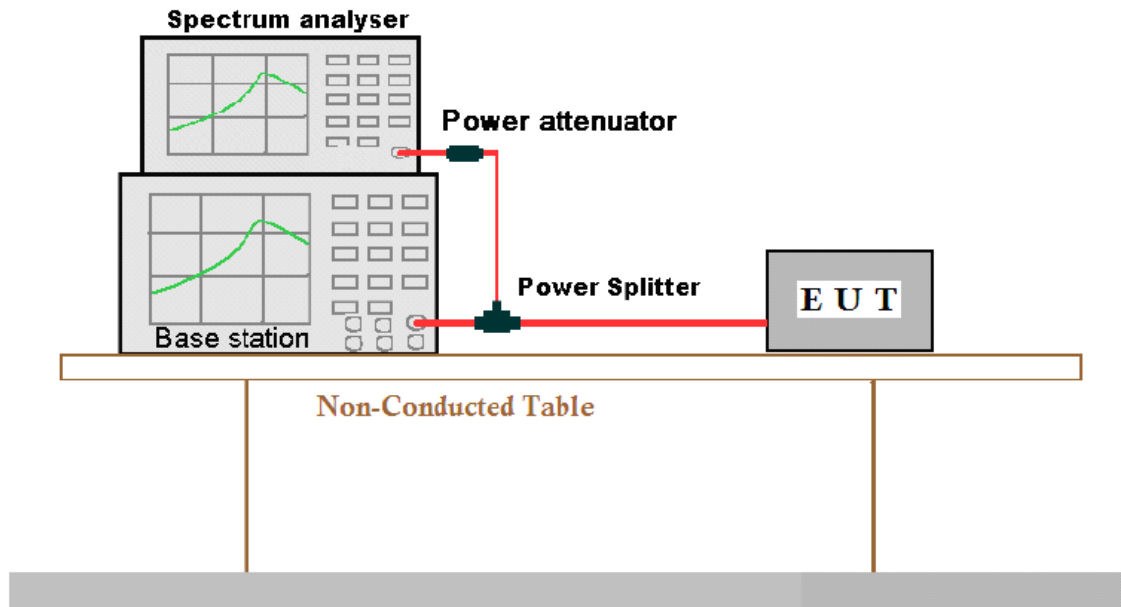
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5 Test Requirement

5.1 Test setup

5.1.1 For Radiated Emissions test setup

Test setup 1:



Radiated Emissions setup:

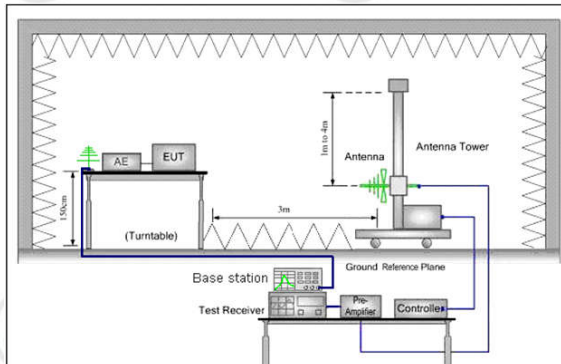


Figure 1. 30MHz to 1GHz

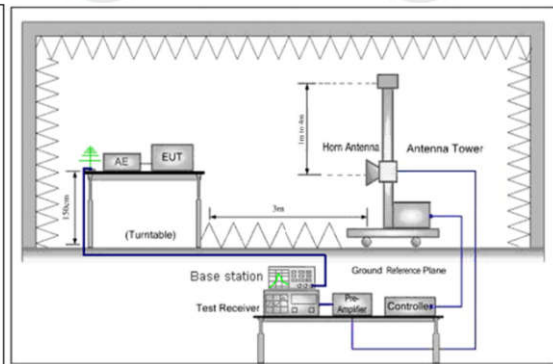


Figure 2. above 1GHz

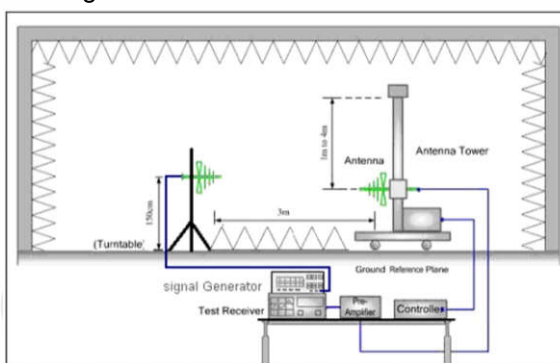


Figure 1. 30MHz to 1GHz

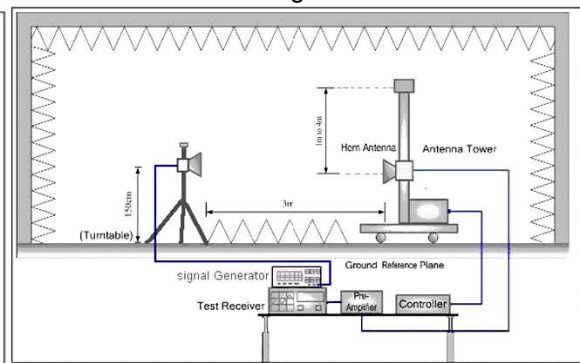


Figure 2. above 1GHz

5.2 Test Environment

Operating Environment:	
Radiated Spurious Emissions:	
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:	2 Perimeter Park S, suite 305E, BIRMINGHAM, ALABAMA 35243 USA
Manufacturer:	Hooray Innovation Limited
Address of Manufacturer:	Flat1, 4/F, Wah Wai Centre, 38-42 Au Pui Wan Street, Fotan, Shatin, Hong Kong
Factory :	Hooray Innovation Limited
Address of Factory :	Flat1, 4/F, Wah Wai Centre, 38-42 Au Pui Wan Street, Fotan, Shatin, Hong Kong

6.2 General Description of EUT

Product Name:	Trail Camera
Model No.(EUT):	BTC-PSMHD
Trade mark:	Browning
Power Supply:	8*1.5V AA Batteries
Sample Received Date:	Aug. 10, 2023
Sample tested Date:	Aug. 10, 2023 to Aug. 14, 2023

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:	698-894MHz:6.10dBi; 1710-2155MHz:2.2dBi

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	7.9×10^{-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 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	02-27-2023	02-26-2024
Spectrum Analyzer	Keysight	N9020B	MY57111112	02-21-2023	02-20-2024
Spectrum Analyzer	Keysight	N9030B	MY57140871	02-21-2023	02-20-2024
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	04-13-2023	04-12-2024
Preamplifier	EMCI	EMC001330	980563	03-28-2023	03-27-2024
Preamplifier	JS Tonscend	TAP-011858	AP21B806112	07-25-2023	07-24-2024
Communication test set	R&S	CMW500	102898	12-23-2022	12-22-2023
Temperature/Humidity Indicator	biaozhi	GM1360	EE1186631	04-11-2023	04-10-2024
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:	<table><tr><th>Frequency</th><th>Detector</th><th>RBW</th><th>VBW</th><th>Remark</th></tr><tr><td>0.009MHz-30MHz</td><td>Peak</td><td>10kHz</td><td>30kHz</td><td>Peak</td></tr><tr><td>30MHz-1GHz</td><td>Peak</td><td>120kHz</td><td>300kHz</td><td>Peak</td></tr><tr><td>Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak</td></tr></table>	Frequency	Detector	RBW	VBW	Remark	0.009MHz-30MHz	Peak	10kHz	30kHz	Peak	30MHz-1GHz	Peak	120kHz	300kHz	Peak	Above 1GHz	Peak	1MHz	3MHz	Peak
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:	1. Scan up to 10th harmonic, find the maximum radiation frequency to measure. 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. Test procedure as below: The EUT was powered ON and placed on a 1.5m hight 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: ERP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBd) EIRP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBi) EIRP=ERP+2.15dB where: Pg is the generator output power into the substitution antenna. 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.																				
Limit:	Attenuated at least 43+10log(P)																				

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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	98.4957	150	314	-63.47	-13.00	50.47	PASS	Horizontal
2	120.034	150	357	-57.86	-13.00	44.86	PASS	Horizontal
3	160.006	150	357	-66.56	-13.00	53.56	PASS	Horizontal
4	1286.2286	150	239	-48.98	-13.00	35.98	PASS	Horizontal
5	17634.7317	150	295	-44.99	-13.00	31.99	PASS	Horizontal
6	30448.0979	150	2	-51.71	-13.00	38.71	PASS	Horizontal
7	40.2841	150	101	-59.00	-13.00	46.00	PASS	Vertical
8	120.034	150	357	-58.35	-13.00	45.35	PASS	Vertical
9	160.006	150	357	-64.27	-13.00	51.27	PASS	Vertical
10	1281.4281	150	326	-48.30	-13.00	35.30	PASS	Vertical
11	10734.3867	150	20	-48.39	-13.00	35.39	PASS	Vertical
12	26415.7766	150	208	-52.16	-13.00	39.16	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	96.5553	150	331	-64.83	-13.00	51.83	PASS	Horizontal
2	120.034	150	357	-59.64	-13.00	46.64	PASS	Horizontal
3	303.9828	150	158	-72.42	-13.00	59.42	PASS	Horizontal
4	1302.4302	150	249	-49.39	-13.00	36.39	PASS	Horizontal
5	5040.102	150	30	-55.40	-13.00	42.40	PASS	Horizontal
6	14388.5694	150	157	-46.01	-13.00	33.01	PASS	Horizontal
7	60.076	150	346	-61.83	-13.00	48.83	PASS	Vertical
8	120.034	150	357	-62.29	-13.00	49.29	PASS	Vertical
9	160.006	150	357	-63.56	-13.00	50.56	PASS	Vertical
10	1289.829	150	3	-49.31	-13.00	36.31	PASS	Vertical
11	7611.9806	150	336	-52.46	-13.00	39.46	PASS	Vertical
12	14388.5694	150	144	-46.29	-13.00	33.29	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	71.5243	150	12	-69.99	-13.00	56.99	PASS	Horizontal
2	120.034	150	357	-60.06	-13.00	47.06	PASS	Horizontal
3	345.8952	150	281	-73.95	-13.00	60.95	PASS	Horizontal
4	2102.5103	150	3	-58.82	-13.00	45.82	PASS	Horizontal
5	5004.8502	150	221	-55.39	-13.00	42.39	PASS	Horizontal
6	14404.3202	150	30	-45.54	-13.00	32.54	PASS	Horizontal
7	59.6879	150	21	-61.26	-13.00	48.26	PASS	Vertical
8	120.034	150	357	-59.42	-13.00	46.42	PASS	Vertical
9	160.006	150	357	-61.13	-13.00	48.13	PASS	Vertical
10	2036.5036	150	303	-58.97	-13.00	45.97	PASS	Vertical
11	5001.1001	150	230	-54.92	-13.00	41.92	PASS	Vertical
12	14408.0704	150	304	-46.32	-13.00	33.32	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	90.3461	150	99	-65.83	-13.00	52.83	PASS	Horizontal
2	120.034	150	357	-58.69	-13.00	45.69	PASS	Horizontal
3	303.9828	150	357	-72.98	-13.00	59.98	PASS	Horizontal
4	2112.3112	150	35	-58.73	-13.00	45.73	PASS	Horizontal
5	5016.1008	150	334	-54.92	-13.00	41.92	PASS	Horizontal
6	14379.569	150	175	-46.54	-13.00	33.54	PASS	Horizontal
7	60.6581	150	11	-62.83	-13.00	49.83	PASS	Vertical
8	120.034	150	357	-63.26	-13.00	50.26	PASS	Vertical
9	160.006	150	357	-62.49	-13.00	49.49	PASS	Vertical
10	1269.4269	150	294	-57.45	-13.00	44.45	PASS	Vertical
11	5016.8508	150	138	-55.26	-13.00	42.26	PASS	Vertical
12	14392.3196	150	349	-46.03	-13.00	33.03	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	101.0182	150	310	-63.17	-13.00	50.17	PASS	Horizontal
2	120.034	150	357	-59.81	-13.00	46.81	PASS	Horizontal
3	303.9828	150	357	-71.60	-13.00	58.60	PASS	Horizontal
4	2194.1194	150	218	-58.80	-13.00	45.80	PASS	Horizontal
5	9696.3348	150	287	-49.88	-13.00	36.88	PASS	Horizontal
6	14404.3202	150	342	-46.35	-13.00	33.35	PASS	Horizontal
7	60.6581	150	4	-61.98	-13.00	48.98	PASS	Vertical
8	120.034	150	357	-60.55	-13.00	47.55	PASS	Vertical
9	160.006	150	357	-62.97	-13.00	49.97	PASS	Vertical
10	1309.831	150	229	-59.08	-13.00	46.08	PASS	Vertical
11	5004.8502	150	166	-55.31	-13.00	42.31	PASS	Vertical
12	14402.0701	150	310	-45.59	-13.00	32.59	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	91.7043	150	294	-66.16	-13.00	53.16	PASS	Horizontal
2	120.034	150	357	-59.92	-13.00	46.92	PASS	Horizontal
3	303.9828	150	86	-71.25	-13.00	58.25	PASS	Horizontal
4	1288.4288	150	173	-48.38	-13.00	35.38	PASS	Horizontal
5	5023.6012	150	206	-55.63	-13.00	42.63	PASS	Horizontal
6	14411.0706	150	111	-45.93	-13.00	32.93	PASS	Horizontal
7	39.896	150	175	-59.18	-13.00	46.18	PASS	Vertical
8	120.034	150	357	-61.47	-13.00	48.47	PASS	Vertical
9	160.006	150	357	-61.62	-13.00	48.62	PASS	Vertical
10	1343.6344	150	99	-49.16	-13.00	36.16	PASS	Vertical
11	5032.6016	150	329	-55.34	-13.00	42.34	PASS	Vertical
12	14374.3187	150	275	-46.93	-13.00	33.93	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	39.896	150	99	-68.35	-13.00	55.35	PASS	Horizontal
2	94.809	150	304	-64.02	-13.00	51.02	PASS	Horizontal
3	120.034	150	357	-58.69	-13.00	45.69	PASS	Horizontal
4	1427.0427	150	357	-59.29	-13.00	46.29	PASS	Horizontal
5	3198.7599	150	316	-57.34	-13.00	44.34	PASS	Horizontal
6	9627.3314	150	326	-49.60	-13.00	36.60	PASS	Horizontal
7	59.882	150	357	-63.14	-13.00	50.14	PASS	Vertical
8	120.034	150	357	-59.90	-13.00	46.90	PASS	Vertical
9	160.006	150	357	-62.47	-13.00	49.47	PASS	Vertical
10	1258.8259	150	336	-58.13	-13.00	45.13	PASS	Vertical
11	5009.3505	150	360	-55.42	-13.00	42.42	PASS	Vertical
12	11878.1939	150	328	-48.86	-13.00	35.86	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	80.062	150	357	-66.43	-13.00	53.43	PASS	Horizontal
2	120.034	150	357	-58.52	-13.00	45.52	PASS	Horizontal
3	199.978	150	357	-68.97	-13.00	55.97	PASS	Horizontal
4	1291.8292	150	294	-50.15	-13.00	37.15	PASS	Horizontal
5	5573.3787	150	208	-56.42	-13.00	43.42	PASS	Horizontal
6	14497.3249	150	20	-46.45	-13.00	33.45	PASS	Horizontal
7	60.6581	150	0	-61.99	-13.00	48.99	PASS	Vertical
8	120.034	150	357	-61.08	-13.00	48.08	PASS	Vertical
9	160.006	150	357	-62.66	-13.00	49.66	PASS	Vertical
10	1313.4313	150	0	-49.94	-13.00	36.94	PASS	Vertical
11	5041.6021	150	74	-55.74	-13.00	42.74	PASS	Vertical
12	14395.3198	150	238	-46.54	-13.00	33.54	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.