



FCC REPORT

Report Reference No.....	CHTEW19060017	Report verification:	
Project No.....	SHT1901011203EW		
FCC ID	2AIGUDOKIPAL		
Applicant's name	DOKI TECHNOLOGIES LIMITED		
Address.....	Unit 601,6/F,Tower One,Silvercord, 30 Canton Road,TST, Kowloon		
Manufacturer.....	DOKI TECHNOLOGIES LIMITED		
Address.....	Unit 601,6/F,Tower One,Silvercord, 30 Canton Road,TST,Kowloon		
Test item description	dokiPal		
Trade Mark	doki		
Model/Type reference.....	dokiPal		
Listed Model(s)	dokiPal-1001		
Standard	FCC CFR Title 47 Part 2 FCC CFR Title 47 Part 24 FCC CFR Title 47 Part 27		
Date of receipt of test sample.....	May 06, 2019		
Date of testing.....	May 07, 2019- Jun 04, 2019		
Date of issue.....	Jun 05, 2019		
Result.....	Pass		
Compiled by (position+printedname+signature)....	File administrators Silvia Li		
Supervised by (position+printedname+signature)....	Project Engineer Aaron Fang		
Approved by (position+printedname+signature)....	Manager Hans Hu		
Testing Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.		
Address.....	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China		
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<i>The test report merely correspond to the test sample.</i>			

Contents

<u>1. TEST STANDARDS AND REPORT VERSION</u>	3
1.1. Applicable Standards	3
1.2. Report version information	3
<u>2. TEST DESCRIPTION</u>	4
<u>3. SUMMARY</u>	5
3.1. Client Information	5
3.2. Product Description	5
3.3. Operation state	6
3.4. EUT operation mode	7
3.5. EUT configuration	8
3.6. Modifications	8
<u>4. TEST ENVIRONMENT</u>	9
4.1. Address of the test laboratory	9
4.2. Test Facility	9
4.3. Equipments Used during the Test	10
4.4. Environmental conditions	11
4.5. Statement of the measurement uncertainty	11
<u>5. TEST CONDITIONS AND RESULTS</u>	12
5.1. Conducted Output Power	12
5.2. Peak-to-Average Ratio	13
5.3. 99% Occupied Bandwidth & 26 dB Bandwidth	14
5.4. Band Edge	15
5.5. Conducted Spurious Emissions	16
5.6. Frequency stability VS Temperature measurement	17
5.7. Frequency stability VS Voltage measurement	18
5.8. ERP and EIRP	19
5.9. Radiated Spurious Emission	26
<u>6. TEST SETUP PHOTOS OF THE EUT</u>	36
<u>7. EXTERNAL AND INTERNAL PHOTOS OF THE EUT</u>	36
<u>8. APPENDIX REPORT</u>	36

1. **TEST STANDARDS AND REPORT VERSION**

1.1. **Applicable Standards**

The tests were performed according to following standards:

[FCC Rules Part 2](#): FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS

[FCC Rules Part 24](#): PERSONAL COMMUNICATIONS SERVICES

[FCC Rules Part 27](#): MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES

[ANSI C63.26: 2015](#): American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

[KDB 971168 D01 Power Meas License Digital Systems v03](#): MEASUREMENT GUIDANCE FOR CERTIFICATION OF LICENSED DIGITAL TRANSMITTERS

1.2. **Report version information**

Revision No.	Date of issue	Description
N/A	2019-06-05	Original

2. Test Description

Test Item	Section in CFR 47	Result	Test Engineer
Conducted Output Power	Part 2.1046 Part 24.232(c) Part 27.50	Pass	Jiongsheng Feng
Peak-to-Average Ratio	Part 24.232 Part 27.50	Pass	Jiongsheng Feng
99% Occupied Bandwidth & 26 dB Bandwidth	Part 2.1049 Part 24.238(b) Part 27.53	Pass	Jiongsheng Feng
Band Edge	Part 2.1051 Part 24.238 Part 27.53	Pass	Jiongsheng Feng
Conducted Spurious Emissions	Part 2.1051 Part 24.238 Part 27.53	Pass	Jiongsheng Feng
Frequency stability VS Temperature	Part 2.1055(a)(1)(b) Part 24.235 Part 27.54	Pass	Jiongsheng Feng
Frequency stability VS Voltage	Part 2.1055(d)(1)(2) Part 24.235 Part 27.54	Pass	Jiongsheng Feng
ERP and EIRP	Part 24.232(b) Part 27.50	Pass	Shower Dai
Radiated Spurious Emissions	Part 2.1053 Part 24.238 Part 27.53	Pass	Shower Dai

Note: The measurement uncertainty is not included in the test result.

3. **SUMMARY**

3.1. Client Information

Applicant:	DOKI TECHNOLOGIES LIMITED
Address:	Unit 601,6/F,Tower One,Silvercord, 30 Canton Road,TST,Kowloon
Manufacturer:	DOKI TECHNOLOGIES LIMITED
Address:	Unit 601,6/F,Tower One,Silvercord, 30 Canton Road,TST,Kowloon

3.2. Product Description

Name of EUT:	dokiPal		
Trade Mark:	doki		
Model No.:	dokiPal		
Listed Model(s):	dokiPal-1001		
SIM Information:	Support One SIM Card		
Power supply:	DC 3.85V		
Hardware version:	BRT Version V0		
Software version:	0.1.5-alpha		
4G			
Operation Band:	<input checked="" type="checkbox"/> FDD Band 2	<input checked="" type="checkbox"/> FDD Band 4	<input checked="" type="checkbox"/> FDD Band 7
Transmit frequency:	FDD Band 2: FDD Band 4: FDD Band 7:	1850.7 MHz – 1909.3 MHz 1710.7 MHz – 1754.3 MHz 2502.5 MHz – 2567.5 MHz	
Receive frequency:	FDD Band 2: FDD Band 4: FDD Band 7:	1930.7 MHz – 1989.3 MHz 2110.7 MHz – 2154.3 MHz 2622.5 MHz – 2687.5 MHz	
Channel bandwidth:	FDD Band 2: FDD Band 4: FDD Band 7:	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz 5MHz, 10MHz, 15MHz, 20MHz	
Power Class:	Class 3		
Modulation type:	QPSK, 16QAM		
Antenna type	Internal Antenna		
Antenna Gain	Band2:-6.0dBi Band4:-6.0dBi Band7:-6.0dBi		

3.3. Operation state

➤ Test frequency list

FDD Band 2		Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	18607	1850.7	607	1930.7		
		18615	1851.5	615	1931.5		
		18625	1852.5	625	1932.5		
		18650	1855	650	1935		
		18675	1857.5	675	1937.5		
		18700	1860	700	1940		
	1.4/3/5/10 15 [1]/20 [1]	18900	1880	900	1960		
		19193	1909.3	1193	1989.3		
		19185	1908.5	1185	1988.5		
		19175	1907.5	1175	1987.5		
High Range	1.4	19150	1905	1150	1985		
		19125	1902.5	1125	1982.5		
		19100	1900	1100	1980		
	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5		
		20393	1754.3	2393	2154.3		
		20385	1753.5	2385	2153.5		
		20375	1752.5	2375	2152.5		
		20350	1750	2350	2150		
FDD Band 4	1.4	20325	1747.5	2325	2147.5		
		20300	1745	2300	2145		
	1.4/3/5/10/15/20	20155	1710.7	1957	2110.7		
		19965	1711.5	1965	2111.5		
		19975	1712.5	1975	2112.5		
		20000	1715	2000	2115		
		20025	1717.5	2025	2117.5		
FDD Band 7	1.4	20050	1720	2050	2120		
	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5		
		20393	1754.3	2393	2154.3		
		20385	1753.5	2385	2153.5		
		20375	1752.5	2375	2152.5		
		20350	1750	2350	2150		
NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.							

3.4. EUT operation mode

For RF test items

The EUT has been tested under typical operating condition. Testing was performed by configuring EUT to maximum output power status.

Test Items	Band	Bandwidth (MHz)						Modulation		RB #		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full
Conducted Output Power	2	○	○	○	○	○	○	○	○	○	○	○
	4	○	○	○	○	○	○	○	○	○	○	○
	7	-	-	○	○	○	○	○	○	○	○	○
Peak-to-Average Ratio	2	○	○	○	○	○	○	○	○	○	-	○
	4	○	○	○	○	○	○	○	○	○	-	○
	7	-	-	○	○	○	○	○	○	○	-	○
99% Occupied Bandwidth & 26 dB Bandwidth	2	○	○	○	○	○	○	○	○	-	-	○
	4	○	○	○	○	○	○	○	○	-	-	○
	7	-	-	○	○	○	○	○	○	-	-	○
Band Edge	2	○	○	○	○	○	○	○	○	○	-	○
	4	○	○	○	○	○	○	○	○	○	-	○
	7	-	-	○	○	○	○	○	○	○	-	○
Conducted Spurious Emission	2	○	○	○	○	○	○	○	○	○	-	-
	4	○	○	○	○	○	○	○	○	○	-	-
	7	-	-	○	○	○	○	○	○	○	-	-
Frequency Stability	2	○	○	○	○	○	○	○	○	-	-	○
	4	○	○	○	○	○	○	○	○	-	-	○
	7	-	-	○	○	○	○	○	○	-	-	○
ERP and EIRP	2	○	○	○	○	○	○	○	○	○	-	-
	4	○	○	○	○	○	○	○	○	○	-	-
	7	-	-	○	○	○	○	○	○	○	-	-
Radiated Spurious Emission	2	○	○	○	○	○	○	○	-	○	-	-
	4	○	○	○	○	○	○	○	-	○	-	-
	7	-	-	○	○	○	○	○	-	○	-	-
Remark	1. The mark “○” means that this configuration is chosen for testing 2. The mark “-” means that this bandwidth is not test. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.											

3.5. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- - supplied by the manufacturer
- - supplied by the lab

○	/	Manufacturer:	/
		Model No.:	/
○	/	Manufacturer:	/
		Model No.:	/

3.6. Modifications

No modifications were implemented to meet testing criteria.

4. **TEST ENVIRONMENT**

4.1. **Address of the test laboratory**

Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd.

Address: 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China

4.2. **Test Facility**

CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No.: 3902.01

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Registration No.: 762235

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files.

IC-Registration No.:5377B-1

Two 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No.: 5377B-1.

ACA

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

4.3. Equipments Used during the Test

Used	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Signal and spectrum Analyzer	R&S	FSV40	100048	2018/10/28	2019/10/27
●	Spectrum Analyzer	Agilent	N9020A	MY50510187	2018/09/29	2019/09/28
●	Radio communication tester	R&S	CMW500	137688-Lv	2018/09/29	2019/09/28
●	Test software	Tonscend	JS1120-1(LTE)	N/A	N/A	N/A
●	Test software	Tonscend	JS1120-2(WIFI)	N/A	N/A	N/A
●	Test software	Tonscend	JS1120-3(WCDMA)	N/A	N/A	N/A
●	Test software	Tonscend	JS1120-4(GSM)	N/A	N/A	N/A

● Radiated Spurious Emission						
Used	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Semi-Anechoic Chamber	Albatross projects	SAC-3m-01	N/A	2018/09/30	2021/09/29
●	Spectrum Analyzer	R&S	FSP40	100597	2018/10/27	2019/10/26
●	Loop Antenna	R&S	HFH2-Z2	100020	2017/11/20	2020/11/19
●	Ultra-Broadband Antenna	SCHWARZBECK	VULB9163	538	2017/04/05	2020/04/04
●	Horn Antenna	SCHWARZBECK	9120D	1011	2017/04/01	2020/03/31
○	Horn Antenna	SCHWARZBECK	BBHA9170	25841	2017/03/27	2020/03/26
○	Pre-amplifier	BONN	BLWA0160-2M	1811887	2018/11/14	2019/11/13
●	Pre-amplifier	CD	PAP-0102	12004	2018/11/14	2019/11/13
●	Broadband Preamplifier	SCHWARZBECK	BBV 9718	9718-248	2019/04/26	2020/04/25
●	RF Connection Cable	HUBER+SUHNER	RE-7-FH	N/A	2018/11/15	2019/11/14
●	RF Connection Cable	HUBER+SUHNER	RE-7-FL	N/A	2018/11/15	2019/11/14
●	EMI Test Software	Audix	E3	N/A	N/A	N/A
●	Turntable	MATURO	TT2.0	N/A	N/A	N/A
●	Antenna Mast	MATURO	TAM-4.0-P	N/A	N/A	N/A

4.4. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Voltage	VN=Nominal Voltage	DC 3.85V
	VL=Lower Voltage	DC 3.60V
	VH=Higher Voltage	DC 4.40V
Temperature	TN=Normal Temperature	25 °C
	Extreme Temperature	From -30° to + 50° centigrade
Humidity	30~60 %	
Air Pressure	950-1050 hPa	

4.5. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.63 dB	(1)
Transmitter power Radiated	2.38dB for <1GHz 3.45dB for >1GHz	(1)
Conducted spurious emissions 9kHz~40GHz	0.63 dB	(1)
Radiated spurious emissions	2.38dB for <1GHz 3.45dB for >1GHz	(1)
Occupied Bandwidth	18Hz for <1GHz 69Hz for >1GHz	(1)
Frequency error	18Hz for <1GHz 69Hz for >1GHz	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=1.96$.

5. **TEST CONDITIONS AND RESULTS**

5.1. Conducted Output Power

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT output port was connected to communication tester.
2. Set EUT at maximum power through communication tester.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure the maximum burst average power.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Passed Not Applicable

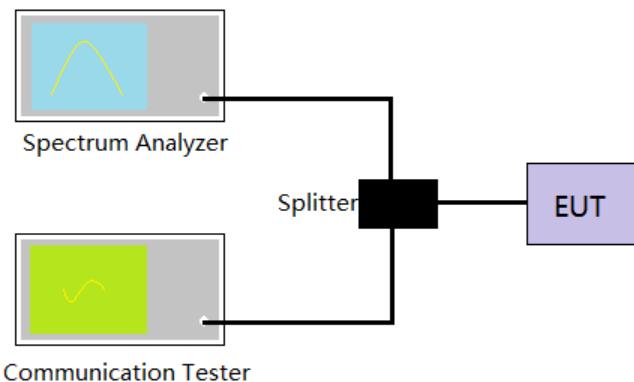
Refer to appendix A on the section 8 appendix report

5.2. Peak-to-Average Ratio

LIMIT

13dB

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
2. Set EUT in maximum power output.
3. Center Frequency = Carrier frequency, RBW > Emission bandwidth of signal
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed.
 - i. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms.
 - ii. For burst transmissions, the spectrum analyzer is set to use an internal “RF Burst” trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the “on time” of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power
6. Record the maximum PAPR level associated with a probability of 0.1%.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Passed Not Applicable

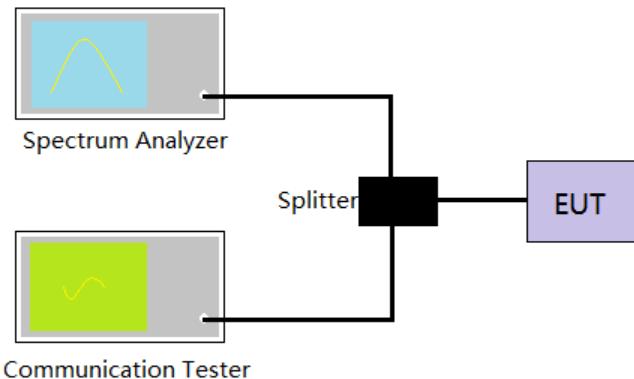
Refer to appendix B on the section 8 appendix report

5.3. 99% Occupied Bandwidth & 26 dB Bandwidth

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
2. Set EUT in maximum power output.
3. Spectrum analyzer setting as follow:
Center Frequency= Carrier frequency, RBW=1% to 5% of the anticipated OBW, VBW= 3 * RBW, Detector=Peak,
Trace maximum hold.
4. Record the value of 99% Occupied bandwidth and 26dB bandwidth.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Passed Not Applicable

Refer to appendix C on the section 8 appendix report

5.4. Band Edge

LIMIT

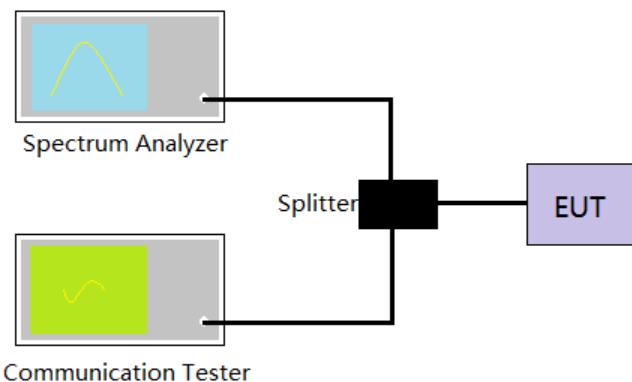
Part 24.238 and Part 27.53 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

The specification that emissions shall be attenuated below the transmitter power (P) by at least $43 + 10 \log(P)$ dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

LTE Band 7

Part 27.53 m(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. Limit <-25 dBm

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
2. Set EUT in maximum power output.
3. The band edges of low and high channels were measured.
4. Spectrum analyzer setting as follow:
RBW= no less than 1% of the OBW, VBW =3 * RBW, Sweep time= Auto
5. Record the test plot.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Passed Not Applicable

Refer to appendix D on the section 8 appendix report

5.5. Conducted Spurious Emissions

LIMIT

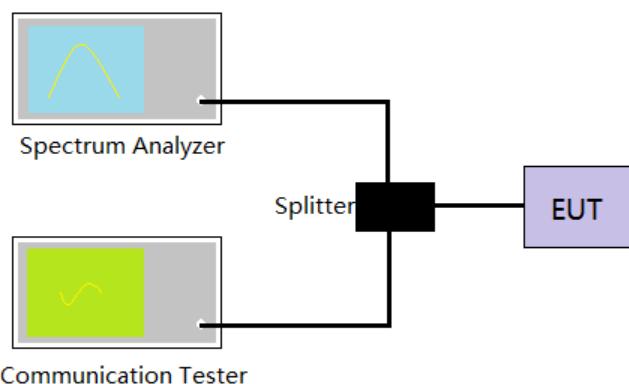
Part 24.238 and Part 27.53 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

The specification that emissions shall be attenuated below the transmitter power (P) by at least $43 + 10 \log(P)$ dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

LTE Band 7

Part 27.53 m(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. Limit <-25 dBm

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
2. Set EUT in maximum power output.
3. Spectrum analyzer setting as follow:
 - Below 1GHz, RBW=100KHz, VBW = 300KHz, Detector=Peak, Sweep time= Auto
 - Above 1GHz, RBW=1MHz, VBW=3MHz, Detector=Peak, Sweep time= Auto
 - Scan frequency range up to 10th harmonic.
4. Record the test plot.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Passed Not Applicable

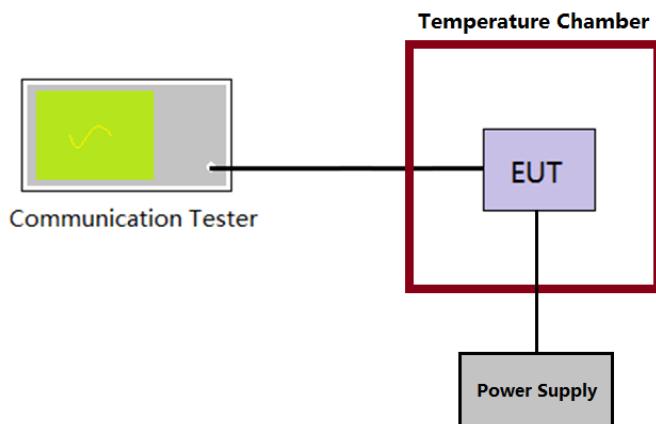
Refer to appendix E on the section 8 appendix report

5.6. Frequency stability VS Temperature measurement

LIMIT

2.5ppm

TEST CONFIGURATION



TEST PROCEDURE

1. The equipment under test was connected to an external DC power supply and input rated voltage.
2. The EUT output port was connected to communication tester.
3. The EUT was placed inside the temperature chamber.
4. Turn EUT off and set the chamber temperature to -30°C . After the temperature stabilized for approximately 30 minutes recorded the frequency.
5. Repeat step 4 measure with 10°C increased per stage until the highest temperature of $+50^{\circ}\text{C}$ reached.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Passed Not Applicable

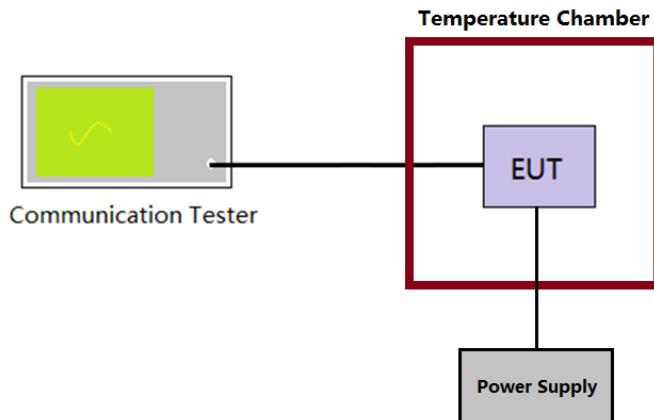
Refer to appendix F on the section 8 appendix report

5.7. Frequency stability VS Voltage measurement

LIMIT

2.5ppm

TEST CONFIGURATION



TEST PROCEDURE

1. The equipment under test was connected to an external DC power supply and input rated voltage.
2. The EUT output port was connected to communication tester.
3. The EUT was placed inside the temperature chamber at 25°C
4. The power supply voltage to the EUT was varied $\pm 15\%$ of the nominal value measured at the input to the EUT
5. Record the maximum frequency change.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Passed Not Applicable

Refer to appendix F on the section 8 appendix report

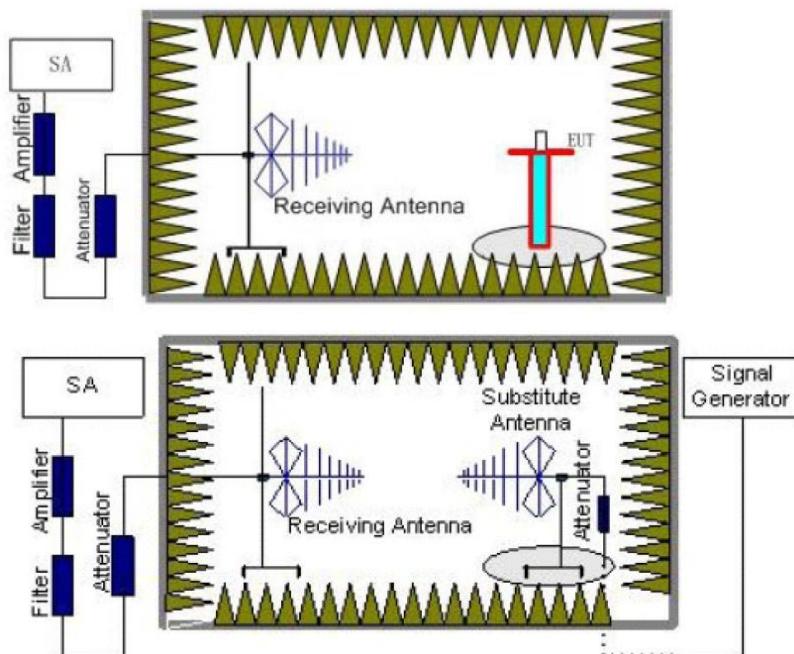
5.8. ERP and EIRP

LIMIT

LTE Band 2/7: 2W(33dBm) EIRP

LTE Band 4: 1W(30dBm) EIRP

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 0.8 meter for below 1GHz and 1.5 meter for above 1GHz high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.0m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz for above 1GHz and RBW=100kHz, VBW=300kHz for 30MHz to 1GHz, , And the maximum value of the receiver should be recorded as (Pr).
4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
6. The measurement results are obtained as described below:

$$\text{Power(EIRP)} = \text{PMea} - \text{PAg} - \text{Pcl} + \text{Ga}$$

We used SMF100A microwave signal generator which signal level can up to 33dBm, so we not used power Amplifier for substitution test; The measurement results are amend as described below:
Power(EIRP)=PMea- Pcl + Ga

7. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15\text{dBi}$.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Passed Not Applicable

LTE Band 2-1.4MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	15.06	13.54	<33.00	PASS
	Mid	15.31	13.47		
	High	15.05	13.54		
16QAM	Low	13.43	12.10	<33.00	PASS
	Mid	13.74	12.20		
	High	13.40	12.35		

LTE Band 2-3MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	14.86	13.16	<33.00	PASS
	Mid	15.18	13.46		
	High	14.84	13.39		
16QAM	Low	13.97	12.65	<33.00	PASS
	Mid	14.03	12.48		
	High	13.42	12.47		

LTE Band 2-5MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	15.73	13.99	<33.00	PASS
	Mid	15.97	13.84		
	High	15.85	13.96		
16QAM	Low	14.18	12.53	<33.00	PASS
	Mid	14.38	12.59		
	High	14.00	12.70		

LTE Band 2-10MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	15.70	14.06	<33.00	PASS
	Mid	15.93	13.92		
	High	15.81	14.11		
16QAM	Low	14.15	12.64	<33.00	PASS
	Mid	14.35	12.76		
	High	13.97	12.82		

LTE Band 2-15MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	15.42	13.62	<33.00	PASS
	Mid	15.72	13.85		
	High	15.50	13.89		
16QAM	Low	14.59	13.12	<33.00	PASS
	Mid	14.56	12.97		
	High	13.92	12.88		

LTE Band 2-20MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	15.57	13.75	<33.00	PASS
	Mid	15.95	14.03		
	High	15.74	14.04		
16QAM	Low	14.81	13.43	<33.00	PASS
	Mid	14.75	13.12		
	High	14.09	12.95		

LTE Band 4-1.4MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	16.26	14.46	<30.00	PASS
	Mid	16.71	14.85		
	High	16.75	14.53		
16QAM	Low	14.10	12.87	<30.00	PASS
	Mid	14.50	13.30		
	High	14.42	13.11		

LTE Band 4-3MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	16.66	14.45	<30.00	PASS
	Mid	16.63	14.61		
	High	16.45	14.38		
16QAM	Low	14.37	13.29	<30.00	PASS
	Mid	14.70	12.81		
	High	14.71	13.31		

LTE Band 4-5MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	17.24	14.97	<30.00	PASS
	Mid	17.51	15.34		
	High	17.52	15.06		
16QAM	Low	14.83	13.23	<30.00	PASS
	Mid	15.14	14.16		
	High	14.96	13.39		

LTE Band 4-10MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	16.82	14.82	<30.00	PASS
	Mid	17.17	15.18		
	High	17.19	14.86		
16QAM	Low	14.52	13.15	<30.00	PASS
	Mid	14.87	13.55		
	High	14.73	13.32		

LTE Band 4-15MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	17.25	14.76	<30.00	PASS
	Mid	17.11	14.90		
	High	16.91	14.70		
16QAM	Low	14.81	13.51	<30.00	PASS
	Mid	15.09	13.33		
	High	15.03	13.48		

LTE Band 4-20MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	17.31	14.81	<30.00	PASS
	Mid	17.34	15.01		
	High	17.11	14.75		
16QAM	Low	14.79	13.58	<30.00	PASS
	Mid	15.30	13.27		
	High	15.27	13.63		

LTE Band 7-5MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	15.27	14.42	<33.00	PASS
	Mid	15.43	14.41		
	High	15.30	14.04		
16QAM	Low	13.53	13.74	<33.00	PASS
	Mid	13.71	13.68		
	High	13.60	13.67		

LTE Band 7-10MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	15.14	14.19	<33.00	PASS
	Mid	15.22	14.01		
	High	15.11	14.00		
16QAM	Low	13.94	13.83	<33.00	PASS
	Mid	13.91	13.58		
	High	13.85	13.47		

LTE Band 7-15MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	15.14	14.26	<33.00	PASS
	Mid	15.29	14.40		
	High	15.15	14.27		
16QAM	Low	13.67	13.53	<33.00	PASS
	Mid	13.82	13.44		
	High	13.71	13.44		

LTE Band 7-20MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	15.10	14.35	<33.00	PASS
	Mid	15.18	14.17		
	High	15.07	14.17		
16QAM	Low	14.01	13.92	<33.00	PASS
	Mid	14.25	14.02		
	High	14.06	13.98		

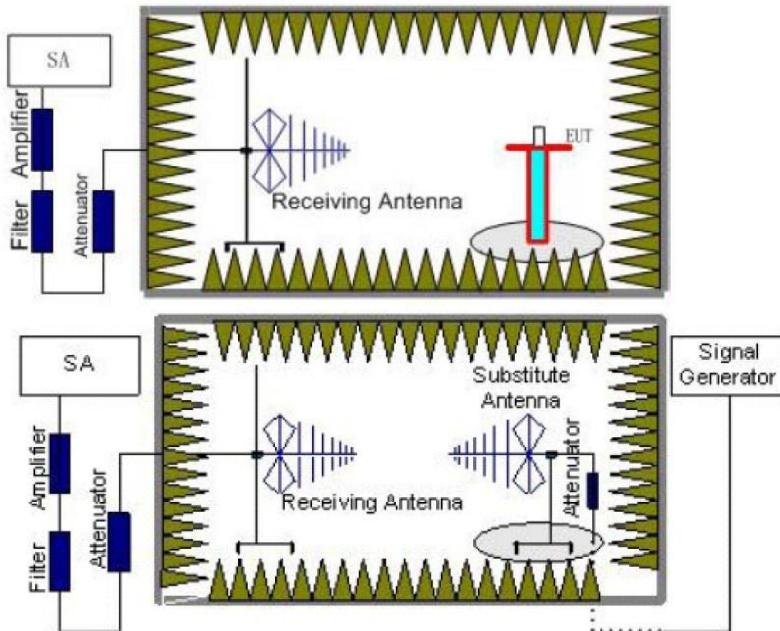
5.9. Radiated Spurious Emission

LIMIT

LTE Band 2/4: -13dBm;

LTE Band 7: -25dBm

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 0.8 meter for below 1GHz and 1.5 meter for above 1GHz high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.0m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz for above 1GHz and RBW=100kHz, VBW=300kHz for 30MHz to 1GHz, And the maximum value of the receiver should be recorded as (Pr).
4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5. An amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl), the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.

6. The measurement results are obtained as described below:

Power(EIRP)=PMea- PAg - Pcl + Ga

We used SMF100A microwave signal generator which signal level can up to 33dBm, so we not used power Amplifier for substitution test; The measurement results are amend as described below:

Power(EIRP)=PMea- Pcl + Ga

7. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.

ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15\text{dBi}$.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Passed

Not Applicable

LTE Band 2-1.4MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3701.40	Vertical	-35.48	<-13.00	Pass
	5552.10	V	-39.13		
	7402.80	V	-40.26		
	3701.40	Horizontal	-37.15	<-13.00	Pass
	5552.10	H	-40.70		
	7402.80	H	-41.59		
Mid	3760.00	Vertical	-34.23	<-13.00	Pass
	5640.00	V	-37.95		
	7520.00	V	-39.15		
	3760.00	Horizontal	-35.62	<-13.00	Pass
	5640.00	H	-39.46		
	7520.00	H	-40.41		
High	3818.60	Vertical	-32.09	<-13.00	Pass
	5727.90	V	-36.00		
	7637.20	V	-37.30		
	3818.60	Horizontal	-34.87	<-13.00	Pass
	5727.90	H	-38.76		
	7637.20	H	-39.81		

LTE Band 2-3MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3703.00	Vertical	-30.71	<-13.00	Pass
	5554.50	V	-32.09		
	7406.00	V	-34.45		
	3703.00	Horizontal	-31.48	<-13.00	Pass
	5554.50	H	-34.74		
	7406.00	H	-37.71		
Mid	3760.00	Vertical	-26.88	<-13.00	Pass
	5640.00	V	-28.48		
	7520.00	V	-30.51		
	3760.00	Horizontal	-28.29	<-13.00	Pass
	5640.00	H	-32.51		
	7520.00	H	-35.14		
High	3817.00	Vertical	-23.38	<-13.00	Pass
	5725.50	V	-25.94		
	7634.00	V	-28.85		
	3817.00	Horizontal	-24.93	<-13.00	Pass
	5725.50	H	-29.95		
	7634.00	H	-30.64		

LTE Band 2-5MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3705.00	Vertical	-19.62	<-13.00	Pass
	5557.50	V	-20.23		
	7410.00	V	-24.56		
	3705.00	Horizontal	-27.79	<-13.00	Pass
	5557.50	H	-35.05		
	7410.00	H	-33.14		
Mid	3760.00	Vertical	-21.46	<-13.00	Pass
	5640.00	V	-23.64		
	7520.00	V	-27.51		
	3760.00	Horizontal	-32.05	<-13.00	Pass
	5640.00	H	-37.94		
	7520.00	H	-35.35		
High	3815.00	Vertical	-26.10	<-13.00	Pass
	5722.50	V	-26.94		
	7630.00	V	-30.35		
	3815.00	Horizontal	-35.38	<-13.00	Pass
	5722.50	H	-41.03		
	7630.00	H	-37.70		

LTE Band 2-10MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3710.00	Vertical	-23.01	<-13.00	Pass
	5565.00	V	-25.27		
	7420.00	V	-28.35		
	3710.00	Horizontal	-40.10	<-13.00	Pass
	5565.00	H	-44.26		
	7420.00	H	-41.41		
Mid	3760.00	Vertical	-26.67	<-13.00	Pass
	5640.00	V	-28.34		
	7520.00	V	-32.04		
	3760.00	Horizontal	-42.51	<-13.00	Pass
	5640.00	H	-47.86		
	7520.00	H	-44.25		
High	3810.00	Vertical	-28.03	<-13.00	Pass
	5715.00	V	-31.40		
	7620.00	V	-35.59		
	3810.00	Horizontal	-39.60	<-13.00	Pass
	5715.00	H	-46.16		
	7620.00	H	-41.99		

LTE Band 2-15MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3715.00	Vertical	-25.55	<-13.00	Pass
	5572.50	V	-29.16		
	7430.00	V	-33.19		
	3715.00	Horizontal	-41.95	<-13.00	Pass
	5572.50	H	-48.37		
	7430.00	H	-43.87		
Mid	3760.00	Vertical	-27.32	<-13.00	Pass
	5640.00	V	-30.82		
	7520.00	V	-34.75		
	3760.00	Horizontal	-39.72	<-13.00	Pass
	5640.00	H	-46.05		
	7520.00	H	-42.56		
High	3805.00	Vertical	-25.48	<-13.00	Pass
	5707.50	V	-27.38		
	7610.00	V	-31.33		
	3805.00	Horizontal	-42.64	<-13.00	Pass
	5707.50	H	-50.79		
	7610.00	H	-47.43		

LTE Band 2-20MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3720.00	Vertical	-28.38	<-13.00	Pass
	5580.00	V	-30.68		
	7440.00	V	-33.82		
	3720.00	Horizontal	-43.08	<-13.00	Pass
	5580.00	H	-51.21		
	7440.00	H	-47.78		
Mid	3760.00	Vertical	-28.71	<-13.00	Pass
	5640.00	V	-30.99		
	7520.00	V	-34.11		
	3760.00	Horizontal	-43.37	<-13.00	Pass
	5640.00	H	-51.45		
	7520.00	H	-48.00		
High	3800.00	Vertical	-26.60	<-13.00	Pass
	5700.00	V	-28.16		
	7600.00	V	-32.07		
	3800.00	Horizontal	-43.68	<-13.00	Pass
	5700.00	H	-51.74		
	7600.00	H	-48.25		

Remark:

1. Remark"---" means that the emission level is too low to be measured
2. The emission levels of below 1 GHz are very lower than the limit and not show in test report.

LTE Band 4-1.4MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3421.40	Vertical	-31.98	<-13.00	Pass
	5132.10	V	-38.03		
	6842.80	V	-37.05		
	3421.40	Horizontal	-34.20	<-13.00	Pass
	5132.10	H	-40.12		
	6842.80	H	-38.83		
Mid	3465.00	Vertical	-30.31	<-13.00	Pass
	5197.50	V	-36.46		
	6930.00	V	-35.58		
	3465.00	Horizontal	-32.16	<-13.00	Pass
	5197.50	H	-38.47		
	6930.00	H	-37.26		
High	3508.60	Vertical	-27.46	<-13.00	Pass
	5262.90	V	-33.87		
	7017.20	V	-33.12		
	3508.60	Horizontal	-29.82	<-13.00	Pass
	5262.90	H	-36.25		
	7017.20	H	-35.15		

LTE Band 4-3MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3423.00	Vertical	-31.03	<-13.00	Pass
	5134.50	V	-37.05		
	6846.00	V	-36.27		
	3423.00	Horizontal	-32.65	<-13.00	Pass
	5134.50	H	-40.74		
	6846.00	H	-38.56		
Mid	3465.00	Vertical	-34.76	<-13.00	Pass
	5197.50	V	-40.77		
	6930.00	V	-39.15		
	3465.00	Horizontal	-39.80	<-13.00	Pass
	5197.50	H	-45.78		
	6930.00	H	-44.42		
High	3507.00	Vertical	-37.27	<-13.00	Pass
	5260.50	V	-43.05		
	7014.00	V	-41.32		
	3507.00	Horizontal	-43.26	<-13.00	Pass
	5260.50	H	-46.68		
	7014.00	H	-47.26		

LTE Band 4-5MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3425.00	Vertical	-41.85	<-13.00	Pass
	5137.50	V	-46.41		
	6850.00	V	-45.88		
	3425.00	Horizontal	-45.09	<-13.00	Pass
	5137.50	H	-47.40		
	6850.00	H	-48.72		
Mid	3465.00	Vertical	-43.22	<-13.00	Pass
	5197.50	V	-47.70		
	6930.00	V	-47.09		
	3465.00	Horizontal	-46.70	<-13.00	Pass
	5197.50	H	-42.70		
	6930.00	H	-45.96		
High	3505.00	Vertical	-45.20	<-13.00	Pass
	5257.50	V	-49.50		
	7010.00	V	-48.80		
	3505.00	Horizontal	-47.99	<-13.00	Pass
	5257.50	H	-43.91		
	7010.00	H	-40.99		

LTE Band 4-10MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3430.00	Vertical	-40.70	<-13.00	Pass
	5145.00	V	-42.64		
	6860.00	V	-47.10		
	3430.00	Horizontal	-43.25	<-13.00	Pass
	5145.00	H	-44.15		
	6860.00	H	-45.20		
Mid	3465.00	Vertical	-41.89	<-13.00	Pass
	5197.50	V	-43.82		
	6930.00	V	-47.63		
	3465.00	Horizontal	-48.46	<-13.00	Pass
	5197.50	H	-46.32		
	6930.00	H	-48.36		
High	3500.00	Vertical	-46.15	<-13.00	Pass
	5250.00	V	-45.06		
	7000.00	V	-46.86		
	3500.00	Horizontal	-48.66	<-13.00	Pass
	5250.00	H	-45.51		
	7000.00	H	-43.52		

LTE Band 4-15MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3435.00	Vertical	-39.84	<-13.00	Pass
	5152.50	V	-42.76		
	6870.00	V	-41.41		
	3435.00	Horizontal	-42.45	<-13.00	Pass
	5152.50	H	-45.13		
	6870.00	H	-46.37		
Mid	3465.00	Vertical	-44.40	<-13.00	Pass
	5197.50	V	-47.05		
	6930.00	V	-45.44		
	3465.00	Horizontal	-45.00	<-13.00	Pass
	5197.50	H	-47.00		
	6930.00	H	-45.10		
High	3495.00	Vertical	-46.76	<-13.00	Pass
	5242.50	V	-45.10		
	6990.00	V	-45.34		
	3495.00	Horizontal	-42.00	<-13.00	Pass
	5242.50	H	-47.82		
	6990.00	H	-48.32		

LTE Band 4-20MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3440.00	Vertical	-34.32	<-13.00	Pass
	5160.00	V	-33.87		
	6880.00	V	-31.54		
	3440.00	Horizontal	-31.19	<-13.00	Pass
	5160.00	H	-36.54		
	6880.00	H	-38.10		
Mid	3465.00	Vertical	-39.09	<-13.00	Pass
	5197.50	V	-40.91		
	6930.00	V	-48.16		
	3465.00	Horizontal	-40.53	<-13.00	Pass
	5197.50	H	-46.11		
	6930.00	H	-43.25		
High	3490.00	Vertical	-43.30	<-13.00	Pass
	5235.00	V	-43.61		
	6980.00	V	-40.62		
	3490.00	Horizontal	-42.87	<-13.00	Pass
	5235.00	H	-48.33		
	6980.00	H	-45.36		

Remark:

1. "Remark"---" means that the emission level is too low to be measured
2. The emission levels of below 1 GHz are very lower than the limit and not show in test report.

LTE Band 7-5MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	5005.00	Vertical	-36.28	<-25.00	Pass
	7507.50	V	-40.56		
	10010.00	V	-40.92		
	5005.00	Horizontal	-39.62	<-25.00	Pass
	7507.50	H	-44.67		
	10010.00	H	-43.34		
Mid	5070.00	Vertical	-34.59	<-25.00	Pass
	7605.00	V	-38.06		
	10140.00	V	-38.83		
	5070.00	Horizontal	-35.02	<-25.00	Pass
	7605.00	H	-40.76		
	10140.00	H	-40.72		
High	5135.00	Vertical	-29.84	<-25.00	Pass
	7702.50	V	-33.74		
	10270.00	V	-34.72		
	5135.00	Horizontal	-31.86	<-25.00	Pass
	7702.50	H	-37.79		
	10270.00	H	-38.19		

LTE Band 7-10MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	5010.00	Vertical	-27.69	<-25.00	Pass
	7515.00	V	-31.91		
	10020.00	V	-33.17		
	5010.00	Horizontal	-33.65	<-25.00	Pass
	7515.00	H	-39.47		
	10020.00	H	-39.62		
Mid	5070.00	Vertical	-29.03	<-25.00	Pass
	7605.00	V	-33.17		
	10140.00	V	-34.36		
	5070.00	Horizontal	-35.81	<-25.00	Pass
	7605.00	H	-41.22		
	10140.00	H	-41.28		
High	5130.00	Vertical	-31.23	<-25.00	Pass
	7695.00	V	-35.17		
	10260.00	V	-36.26		
	5130.00	Horizontal	-37.24	<-25.00	Pass
	7695.00	H	-42.56		
	10260.00	H	-42.42		

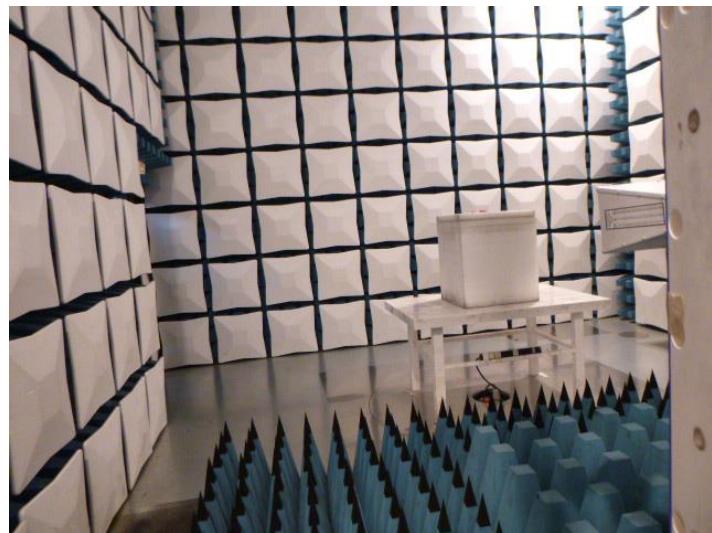
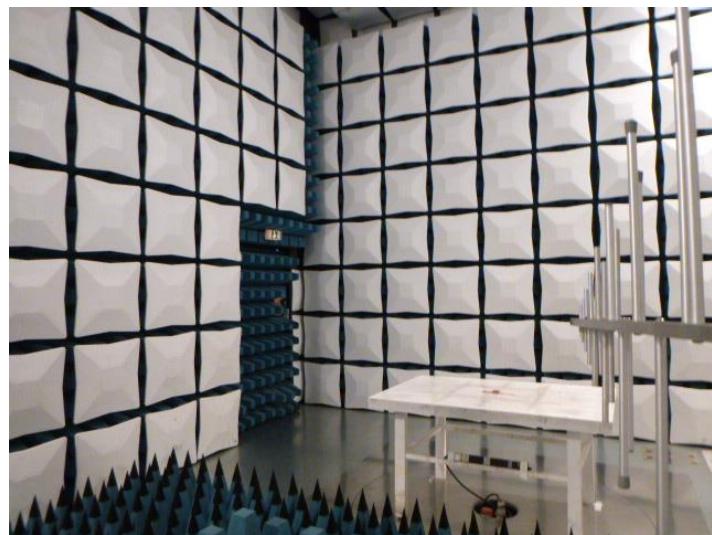
LTE Band 7-15MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	5015.00	Vertical	-29.29	<-25.00	Pass
	7522.50	V	-33.52		
	10030.00	V	-34.86		
	5015.00	Horizontal	-40.23	<-25.00	Pass
	7522.50	H	-46.91		
	10030.00	H	-46.67		
Mid	5070.00	Vertical	-33.37	<-25.00	Pass
	7605.00	V	-37.12		
	10140.00	V	-37.49		
	5070.00	Horizontal	-38.52	<-25.00	Pass
	7605.00	H	-45.53		
	10140.00	H	-45.36		
High	5125.00	Vertical	-31.27	<-25.00	Pass
	7687.50	V	-35.21		
	10250.00	V	-35.68		
	5125.00	Horizontal	-37.12	<-25.00	Pass
	7687.50	H	-44.22		
	10250.00	H	-44.24		

LTE Band 7-20MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	5020.00	Vertical	-29.21	<-25.00	Pass
	7530.00	V	-32.63		
	10040.00	V	-33.49		
	5020.00	Horizontal	-35.13	<-25.00	Pass
	7530.00	H	-42.35		
	10040.00	H	-42.65		
Mid	5070.00	Vertical	-27.72	<-25.00	Pass
	7605.00	V	-31.23		
	10140.00	V	-32.17		
	5070.00	Horizontal	-32.54	<-25.00	Pass
	7605.00	H	-40.25		
	10140.00	H	-40.66		
High	5120.00	Vertical	-25.88	<-25.00	Pass
	7680.00	V	-29.56		
	10240.00	V	-30.58		
	5120.00	Horizontal	-35.32	<-25.00	Pass
	7680.00	H	-42.86		
	10240.00	H	-42.88		

Remark:

1. Remark"---" means that the emission level is too low to be measured
2. The emission levels of below 1 GHz are very lower than the limit and not show in test report.

6. TEST SETUP PHOTOS OF THE EUT



7. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Refere to the test report No.: CHTEW19060015

8. APPENDIX REPORT