Shenzhen Huatongwei International Inspection Co., Ltd.
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FCC REPORT

Report No. ..... :	**CHTEW20080224**
Project No.....:	**SHT1911065104EW**
FCC ID..... :	**2AWH6-BLIP-A2**
Applicant's name..... :	**Unifly N.V.**
Address.....:	Luchthavenlei 7A, 2100 Antwerp, Belgium
Manufacturer.....:	Unifly N.V.
Address.....:	Luchthavenlei 7A, 2100 Antwerp, Belgium
Test item description ..... :	**Unifly BLIP**
Trade Mark .....:	UNIFLY
Model/Type reference.....:	BLIP A2
Listed Model(s) .....:	-
Standard ..... :	**FCC CFR Title 47 Part 2** **FCC CFR Title 47 Part 27**
Date of receipt of test sample.....:	May 22, 2020
Date of testing.....:	May 22, 2020- Aug.24, 2020
Date of issue.....:	Aug.25, 2020
Result.....:	**Pass**

Report Verification:

Compiled by (position+printedname+signature)...:	File administrators Silvia Li	Silvia Li
Supervised by (position+printedname+signature)....:	Project Engineer Aaron Fang	Aaron.Fang
Approved by (position+printedname+signature)....:	Manager Hans Hu	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

Contents

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 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	2020-08-25	Original

2. Test Description

Test Item	Section in CFR 47	Result	Test Engineer
Conducted Output Power	Part 2.1046 Part 27.50	Pass*	N/A
Peak-to-Average Ratio	Part 27.50	Pass*	N/A
99% Occupied Bandwidth & 26 dB Bandwidth	Part 2.1049 Part 27.53	Pass*	N/A
Band Edge	Part 2.1051 Part 27.53	Pass*	N/A
Conducted Spurious Emissions	Part 2.1051 Part 27.53	Pass*	N/A
Frequency stability VS Temperature	Part 2.1055(a)(1)(b) Part 27.54	Pass*	N/A
Frequency stability VS Voltage	Part 2.1055(d)(1)(2) Part 27.54	Pass*	N/A
ERP and EIRP	Part 27.50	Pass	Pan Xie
Radiated Spurious Emissions	Part 2.1053 Part 27.53	Pass	Pan Xie

Note:
1. The measurement uncertainty is not included in the test result.
2. * reference to module report , which FCC ID is XPY1EIQN2NN

3. SUMMARY

3.1. Client Information

Applicant:	Unifly N.V.
Address:	Luchthavenlei 7A, 2100 Antwerp, Belgium
Manufacturer:	Unifly N.V.
Address:	Luchthavenlei 7A, 2100 Antwerp, Belgium

3.2. Product Description

Name of EUT:	Unifly BLIP	
Trade Mark:	UNIFLY	
Model No.:	BLIP A2	
Listed Model(s):	-	
Power supply:	DC 3.70V	
Hardware version:	R2.3	
Software version:	v2.1.14	
4G (Category 1)		
Operation Band:	☒ FDD Band 4	☒ FDD Band 13
Transmit frequency:	FDD Band 4:	1710.7 MHz – 1754.3 MHz
	FDD Band 13:	779.5 MHz – 784.5 MHz
Receive frequency:	FDD Band 4:	2110.7 MHz – 2154.3 MHz
	FDD Band 13:	748.5 MHz – 753.5 MHz
Channel bandwidth:	FDD Band 4:	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	FDD Band 13:	5MHz, 10MHz
Power Class:	Class 3	
Modulation type:	QPSK, 16QAM	
Antenna type	SMD Dielectric Antenna	
Antenna Gain	3.11dBi	

3.3. Operation state

➢ **Test frequency list**

FDD Band 4

Test Frequency ID	Bandwidth [MHz]	N_{UL}	Frequency of Uplink [MHz]	N_{DL}	Frequency of Downlink [MHz]
Low Range	1.4	19957	1710.7	1957	2110.7
	3	19965	1711.5	1965	2111.5
	5	19975	1712.5	1975	2112.5
	10	20000	1715	2000	2115
	15	20025	1717.5	2025	2117.5
	20	20050	1720	2050	2120
Mid Range	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5
High Range	1.4	20393	1754.3	2393	2154.3
	3	20385	1753.5	2385	2153.5
	5	20375	1752.5	2375	2152.5
	10	20350	1750	2350	2150
	15	20325	1747.5	2325	2147.5
	20	20300	1745	2300	2145

FDD Band 13

Test Frequency ID	Bandwidth [MHz]	N_{UL}	Frequency of Uplink [MHz]	N_{DL}	Frequency of Downlink [MHz]
Low Range	5 [1]	23205	779.5	5205	748.5
	10 [1]	23230	782	5230	751
Mid Range	5 [1]/10 [1]	23230	782	5230	751
High Range	5 [1]	23255	784.5	5255	753.5
	10 [1]	23230	782	5230	751
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
ERP and EIRP	4	○	○	○	○	○	○	○	○	○	-	-
	13	-	-	○	○	-	-	○	○	○	-	-
Radiated Spurious Emission	4	○	○	○	○	○	○	○	○	○	-	-
	13	-	-	○	○	-	-	○	○	○	-	-
Remark	1. The mark " ○"means that this configuration is chosenfor testing 2. The mark "-"means that this bandwidth is not test. 3. The device is investigatedfrom 30MHz to10 times offundamental 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.:5377A

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.: 5377A.

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

● Radiated Spurious Emission							
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Semi-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	N/A	2018/09/27	2021/09/26
●	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2019/10/26	2020/10/25
●	Loop Antenna	R&S	HTWE0170	HFH2-Z2	100020	2018/04/02	2021/04/01
●	Broadband Horn Antenna	SCHWARZBECK	HTWE0103	BBHA9170	BBHA9170472	2018/10/11	2021/10/11
●	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0123	VULB9163	538	2018/04/04	2021/04/03
●	Horn Antenna	SCHWARZBECK	HTWE0126	9120D	1011	2020/04/01	2023/03/31
●	Pre-amplifier	CD	HTWE0071	PAP-0102	12004	2019/11/14	2020/11/13
●	Broadband Preamplifier	SCHWARZBECK	HTWE0201	BBV 9718	9718-248	2020/05/23	2021/05/22
●	RF Connection Cable	HUBER+SUHNER	HTWE0120-01	6m 18GHz S Serisa	N/A	2020/05/10	2021/05/09
●	RF Connection Cable	HUBER+SUHNER	HTWE0120-02	6m 3GHz RG Serisa	N/A	2020/05/10	2021/05/09
●	RF Connection Cable	HUBER+SUHNER	HTWE0120-03	6m 3GHz RG Serisa	N/A	2020/05/10	2021/05/09
●	RF Connection Cable	HUBER+SUHNER	HTWE0120-04	6m 3GHz RG Serisa	N/A	2020/05/10	2021/05/09
●	RF Connection Cable	HUBER+SUHNER	HTWE0121-01	6m 18GHz S Serisa	N/A	2020/05/10	2021/05/09
●	EMI Test Software	Audix	N/A	E3	N/A	N/A	N/A

● Auxiliary Equipment							
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Climate chamber	ESPEC	HTWE0254	GPL-2	N/A	2019/10/23	2020/10/22
●	DC Power Supply	Gwinstek	HTWE0274	SPS-2415	GER835793	N/A	N/A

4.4. Environmental conditions

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

Voltage	VN=Nominal Voltage	DC 3.70V
	VL=Lower Voltage	DC 3.60V
	VH=Higher Voltage	DC 4.20V
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 compatibilityand Radio spectrum Matters (ERM);Uncertainties in the measurementof mobile radio equipment characteristics;Part 1"and TR-100028-02 "Electromagnetic compatibilityand Radio spectrum Matters (ERM);Uncertainties in the measurementof 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 Huatongweilaboratory is reported:

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.51 dB	(1)
Transmitter power Radiated	2.66dB for <1GHz 3.44dB for >1GHz	(1)
Conducted spurious emissions 9kHz~40GHz	0.51 dB	(1)
Radiated spurious emissions	2.66dB for <1GHz 3.44dB for >1GHz	(1)
Occupied Bandwidth	15Hz for <1GHz 70Hz for >1GHz	(1)
Frequency error	15Hz for <1GHz 70Hz 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

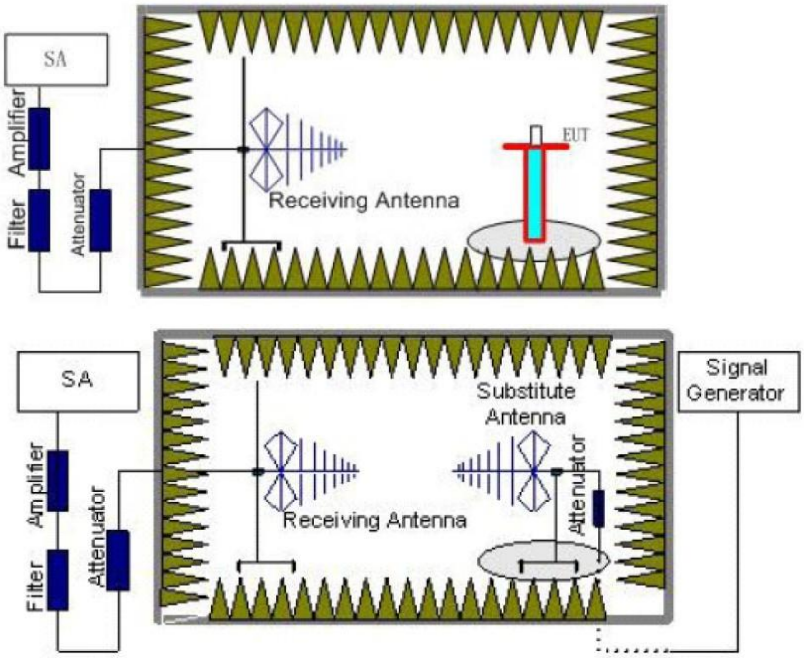
5.1. ERP and EIRP

LIMIT

LTE Band 4: 1W(30dBm) EIRP

LTE Band 13: 30W(44.77dBm) ERP

TEST CONFIGURATION



TEST PROCEDURE

1. Place the EUT in the center of the turntable.
   a) For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table at a nominal height of 80 cm above the reference ground plane
   b) For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table at a nominal height of 1.5 m above the ground plane.
2. Unless the EUT uses an integral antenna, the EUT shall be terminated with a non-radiating transmitter load. In cases where the EUT uses an adjustable antenna, the antenna shall be adjusted through typical positions and lengths to maximize emissions levels.
3. The EUT shall be tested while operating on the frequency per manufacturer specification. Set the transmitter to operate in continuous transmit mode.
4. Receiver or Spectrum set as follow:

   Below 1GHz, RBW=100kHz, VBW=300kHz, Detector=Peak, Sweep time=Auto

   Above 1GHz, RBW=1MHz, VBW=3MHz, Detector=Peck, Sweep time=Auto
5. Each emission under consideration shall be evaluated:
   a) Raise and lower the measurement antenna from 1 m to 4 m, as necessary to enable detection of the maximum emission amplitude relative to measurement antenna height.
   b) Rotate the EUT through 360° to determine the maximum emission level relative to the axial position.
   c) Return the turntable to the azimuth where the highest emission amplitude level was observed.
   d) Vary the measurement antenna height again through 1 m to 4 m again to find the height associated with the maximum emission amplitude.

e) Record the measured emission amplitude level and frequency

6. Repeat step 5 for each emission frequency with the measurement antenna oriented in both the horizontal and vertical polarizations to determine the orientation that gives the maximum emissions amplitude.
7. Set-up the substitution measurement with the reference point of the substitution antenna located as near as possible to where the center of the EUT radiating element was located during the initial EUT measurement.
8. Maintain the previous measurement instrument settings and test set-up, with the exception that the EUT is removed and replaced by the substitution antenna.
9. Connect a signal generator to the substitution antenna; locate the signal generator so as to minimize any potential influences on the measurement results. Set the signal generator to the frequency where emissions are detected, and set an output power level such that the radiated signal can be detected by the measurement instrument, with sufficient dynamic range relative to the noise floor.
10. For each emission that was detected and measured in the initial test
    a) Vary the measurement antenna height between 1 m to 4 m to maximize the received (measured) signal amplitude.
    b) Adjust the signal generator output power level until the amplitude detected by the measurement instrument equals the amplitude level of the emission previously measured directly in step 5 and step 6.
    c) Record the output power level of the signal generator when equivalence is achieved in step b).
11. Repeat step 8 through step 10 with the measurement antenna oriented in the opposite polarization.
12. Calculate the emission power in dBm referenced to a half-wave dipole using the following equation:

    Pe = Ps(dBm) − cable loss (dB) + antenna gain (dBd)

    where

    Pe = equivalent emission power in dBm

    Ps = source (signal generator) power in dBm

    NOTE—dBd refers to the measured antenna gain in decibels relative to a half-wave dipole.
13. Correct the antenna gain of the substitution antenna if necessary to reference the emission power to a half-wave dipole. When using measurement antennas with the gain specified in dBi, the equivalent dipole-referenced gain can be determined from:

    gain (dBd) = gain (dBi) − 2.15 dB.

    If necessary, the antenna gain can be calculated from calibrated antenna factor information
14. Provide the complete measurement results as a part of the test report.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

LTE Band 4-1.4MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	21.66	20.00	<30.00	PASS
	Mid	21.95	20.26		
	High	21.88	19.97		
16QAM	Low	20.92	19.46		PASS
	Mid	21.20	19.73		
	High	21.08	19.48		

LTE Band 4-3MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	21.80	20.00	<30.00	PASS
	Mid	21.93	20.18		
	High	21.77	19.92		
16QAM	Low	21.02	19.61		PASS
	Mid	21.27	19.56		
	High	21.18	19.55		

LTE Band 4-5MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	22.00	20.18	<30.00	PASS
	Mid	22.22	20.43		
	High	22.14	20.15		
16QAM	Low	21.17	19.58		PASS
	Mid	21.42	20.03		
	High	21.26	19.58		

LTE Band 4-10MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	21.85	20.12	<30.00	PASS
	Mid	22.11	20.37		
	High	22.03	20.08		
16QAM	Low	21.06	19.56		PASS
	Mid	21.33	19.82		
	High	21.18	19.55		

LTE Band 4-15MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	22.00	20.11	<30.00	PASS
	Mid	22.09	20.28		
	High	21.93	20.03		
16QAM	Low	21.17	19.68		PASS
	Mid	21.40	19.74		
	High	21.29	19.61		

LTE Band 4-20MHz					
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	22.02	20.12	<30.00	PASS
	Mid	22.17	20.32		
	High	21.99	20.05		
16QAM	Low	21.16	19.71		PASS
	Mid	21.48	19.72		
	High	21.37	19.66		

LTE Band 13-5MHz					
Modulation	Channel	ERP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Low	21.23	19.59	<44.77	PASS
	Mid	21.71	19.56		
	High	21.46	19.57		
16QAM	Low	21.03	19.51		PASS
	Mid	21.45	19.48		
	High	21.25	19.51		

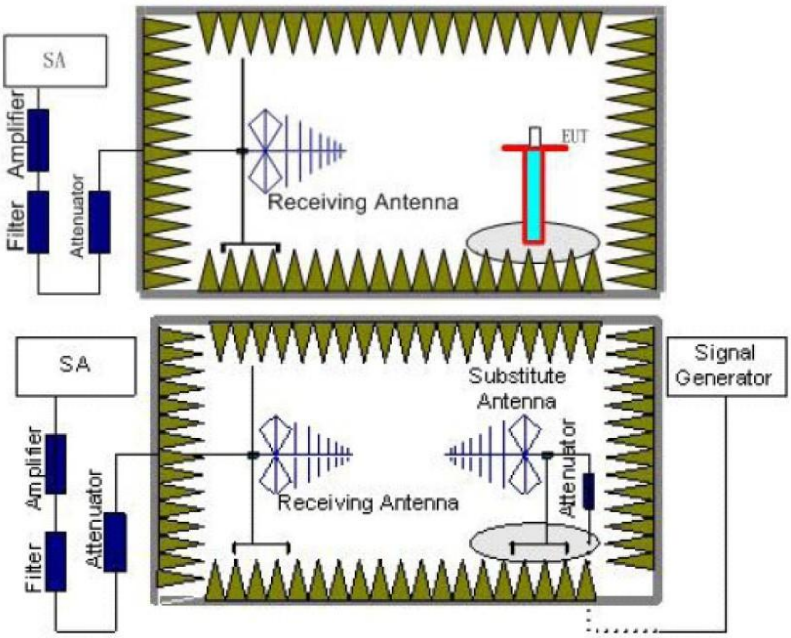
LTE Band 13-10MHz					
Modulation	Channel	ERP (dBm)		Limit (dBm)	Result
		Vertical	Horizontal		
QPSK	Mid	21.22	19.55	<44.77	PASS
16QAM	Mid	21.60	19.52		PASS

5.2. Radiated Spurious Emission

LIMIT

LTE Band 4/13: -13dBm;

TEST CONFIGURATION



TEST PROCEDURE

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   b) For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table at a nominal height of 1.5 m above the ground plane.
2. Unless the EUT uses an integral antenna, the EUT shall be terminated with a non-radiating transmitter load. In cases where the EUT uses an adjustable antenna, the antenna shall be adjusted through typical positions and lengths to maximize emissions levels.
3. The EUT shall be tested while operating on the frequency per manufacturer specification. Set the transmitter to operate in continuous transmit mode.
4. Receiver or Spectrum set as follow:

   Below 1GHz, RBW=100kHz, VBW=300kHz, Detector=Peak, Sweep time=Auto

   Above 1GHz, RBW=1MHz, VBW=3MHz, Detector=Peck, Sweep time=Auto
5. Each emission under consideration shall be evaluated:
   a) Raise and lower the measurement antenna from 1 m to 4 m, as necessary to enable detection of the maximum emission amplitude relative to measurement antenna height.
   b) Rotate the EUT through 360° to determine the maximum emission level relative to the axial position.
   c) Return the turntable to the azimuth where the highest emission amplitude level was observed.
   d) Vary the measurement antenna height again through 1 m to 4 m again to find the height associated with the maximum emission amplitude.
   e) Record the measured emission amplitude level and frequency
6. Repeat step 5 for each emission frequency with the measurement antenna oriented in both the horizontal

and vertical polarizations to determine the orientation that gives the maximum emissions amplitude.

7. Set-up the substitution measurement with the reference point of the substitution antenna located as near as possible to where the center of the EUT radiating element was located during the initial EUT measurement.
8. Maintain the previous measurement instrument settings and test set-up, with the exception that the EUT is removed and replaced by the substitution antenna.
9. Connect a signal generator to the substitution antenna; locate the signal generator so as to minimize any potential influences on the measurement results. Set the signal generator to the frequency where emissions are detected, and set an output power level such that the radiated signal can be detected by the measurement instrument, with sufficient dynamic range relative to the noise floor.
10. For each emission that was detected and measured in the initial test
    a) Vary the measurement antenna height between 1 m to 4 m to maximize the received (measured) signal amplitude.
    b) Adjust the signal generator output power level until the amplitude detected by the measurement instrument equals the amplitude level of the emission previously measured directly in step 5 and step 6.
    c) Record the output power level of the signal generator when equivalence is achieved in step b).
11. Repeat step 8 through step 10 with the measurement antenna oriented in the opposite polarization.
12. Calculate the emission power in dBm referenced to a half-wave dipole using the following equation:

    Pe = Ps(dBm) − cable loss (dB) + antenna gain (dBd)

    where

    Pe = equivalent emission power in dBm

    Ps = source (signal generator) power in dBm

    NOTE—dBd refers to the measured antenna gain in decibels relative to a half-wave dipole.
13. Correct the antenna gain of the substitution antenna if necessary to reference the emission power to a half-wave dipole. When using measurement antennas with the gain specified in dBi, the equivalent dipole-referenced gain can be determined from:

    gain (dBd) = gain (dBi) − 2.15 dB.

    If necessary, the antenna gain can be calculated from calibrated antenna factor information
14. Provide the complete measurement results as a part of the test report.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

Note: only show the worse case for QPSK modulation.

LTE Band 4-1.4MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3421.40	Vertical	-33.23	<-13.00	Pass
	5132.10	V	-38.72		
	6842.80	V	-39.09		
	3421.40	Horizontal	-34.61	<-13.00	Pass
	5132.10	H	-40.02		
	6842.80	H	-40.20		
Mid	3465.00	Vertical	-32.19	<-13.00	Pass
	5197.50	V	-37.74		
	6930.00	V	-38.17		
	3465.00	Horizontal	-33.34	<-13.00	Pass
	5197.50	H	-38.99		
	6930.00	H	-39.22		
High	3508.60	Vertical	-30.42	<-13.00	Pass
	5262.90	V	-36.13		
	7017.20	V	-36.64		
	3508.60	Horizontal	-31.88	<-13.00	Pass
	5262.90	H	-37.61		
	7017.20	H	-37.90		

LTE Band 4-3MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3423.00	Vertical	-32.64	<-13.00	Pass
	5134.50	V	-38.11		
	6846.00	V	-38.60		
	3423.00	Horizontal	-33.65	<-13.00	Pass
	5134.50	H	-40.41		
	6846.00	H	-40.03		
Mid	3465.00	Vertical	-34.96	<-13.00	Pass
	5197.50	V	-40.43		
	6930.00	V	-40.39		
	3465.00	Horizontal	-38.11	<-13.00	Pass
	5197.50	H	-43.55		
	6930.00	H	-43.68		
High	3507.00	Vertical	-36.52	<-13.00	Pass
	5260.50	V	-41.85		
	7014.00	V	-41.74		
	3507.00	Horizontal	-40.27	<-13.00	Pass
	5260.50	H	-45.98		
	7014.00	H	-45.45		

LTE Band 4-5MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3425.00	Vertical	-39.37	<-13.00	Pass
	5137.50	V	-43.95		
	6850.00	V	-44.58		
	3425.00	Horizontal	-41.41	<-13.00	Pass
	5137.50	H	-47.05		
	6850.00	H	-46.36		
Mid	3465.00	Vertical	-40.23	<-13.00	Pass
	5197.50	V	-44.75		
	6930.00	V	-45.34		
	3465.00	Horizontal	-42.41	<-13.00	Pass
	5197.50	H	-47.86		
	6930.00	H	-47.13		
High	3505.00	Vertical	-41.46	<-13.00	Pass
	5257.50	V	-45.87		
	7010.00	V	-46.41		
	3505.00	Horizontal	-43.21	<-13.00	Pass
	5257.50	H	-48.62		
	7010.00	H	-47.77		

LTE Band 4-10MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3430.00	Vertical	-43.64	<-13.00	Pass
	5145.00	V	-47.20		
	6860.00	V	-47.22		
	3430.00	Horizontal	-43.47	<-13.00	Pass
	5145.00	H	-48.86		
	6860.00	H	-47.98		
Mid	3465.00	Vertical	-43.83	<-13.00	Pass
	5197.50	V	-47.38		
	6930.00	V	-47.75		
	3465.00	Horizontal	-43.68	<-13.00	Pass
	5197.50	H	-49.03		
	6930.00	H	-48.14		
High	3500.00	Vertical	-44.09	<-13.00	Pass
	5250.00	V	-47.62		
	7000.00	V	-47.98		
	3500.00	Horizontal	-43.88	<-13.00	Pass
	5250.00	H	-49.22		
	7000.00	H	-48.30		

LTE Band 4-15MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3435.00	Vertical	-44.78	<-13.00	Pass
	5152.50	V	-48.32		
	6870.00	V	-48.53		
	3435.00	Horizontal	-45.62	<-13.00	Pass
	5152.50	H	-50.85		
	6870.00	H	-51.32		
Mid	3465.00	Vertical	-47.62	<-13.00	Pass
	5197.50	V	-50.99		
	6930.00	V	-51.04		
	3465.00	Horizontal	-47.83	<-13.00	Pass
	5197.50	H	-52.64		
	6930.00	H	-53.02		
High	3495.00	Vertical	-49.71	<-13.00	Pass
	5242.50	V	-52.89		
	6990.00	V	-52.85		
	3495.00	Horizontal	-49.68	<-13.00	Pass
	5242.50	H	-54.38		
	6990.00	H	-56.23		

LTE Band 4-20MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	3440.00	Vertical	-59.92	<-13.00	Pass
	5160.00	V	-55.21		
	6880.00	V	-54.82		
	3440.00	Horizontal	-51.67	<-13.00	Pass
	5160.00	H	-62.93		
	6880.00	H	-64.82		
Mid	3465.00	Vertical	-69.13	<-13.00	Pass
	5197.50	V	-59.60		
	6930.00	V	-58.94		
	3465.00	Horizontal	-57.49	<-13.00	Pass
	5197.50	H	-68.89		
	6930.00	H	-68.03		
High	3490.00	Vertical	-71.75	<-13.00	Pass
	5235.00	V	-61.29		
	6980.00	V	-60.47		
	3490.00	Horizontal	-58.95	<-13.00	Pass
	5235.00	H	-70.27		
	6980.00	H	-69.35		

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.

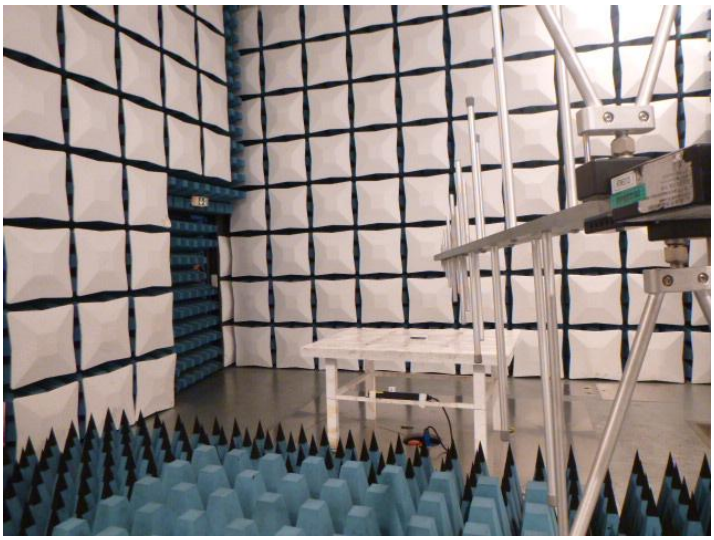
LTE Band 13-5MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Low	1559.00	Vertical	-36.23	<-13.00	Pass
	2338.50	V	-39.41		
	3118.00	V	-41.12		
	1559.00	Horizontal	-38.84	<-13.00	Pass
	2338.50	H	-41.47		
	3118.00	H	-42.96		
Mid	1564.00	Vertical	-34.55	<-13.00	Pass
	2346.00	V	-38.05		
	3128.00	V	-39.80		
	1564.00	Horizontal	-36.81	<-13.00	Pass
	2346.00	H	-39.82		
	3128.00	H	-41.40		
High	1569.00	Vertical	-31.71	<-13.00	Pass
	2353.50	V	-35.47		
	3138.00	V	-37.35		
	1569.00	Horizontal	-34.92	<-13.00	Pass
	2353.50	H	-38.04		
	3138.00	H	-39.18		

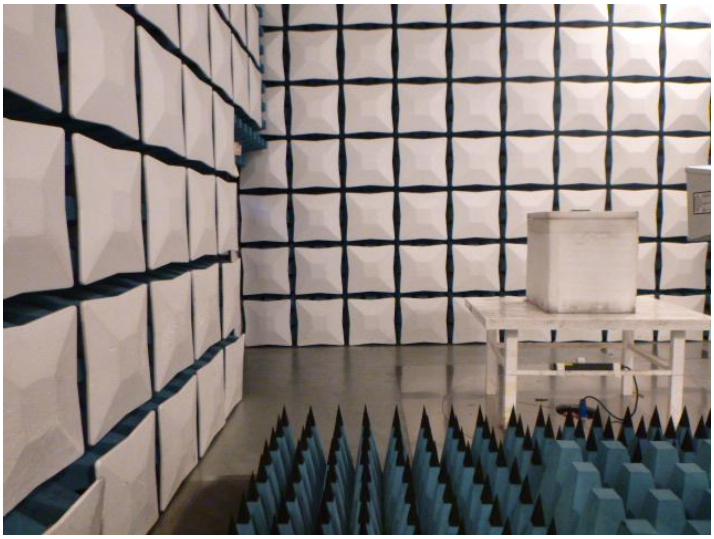
LTE Band 13-10MHz					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
Mid	1564.00	Vertical	-34.11	<-13.00	Pass
	2346.00	V	-37.72		
	3128.00	V	-39.47		
	1564.00	Horizontal	-36.43	<-13.00	Pass
	2346.00	H	-39.27		
	3128.00	H	-40.34		

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.: CHTEW20080223