



# FCC RF Test Report

**APPLICANT** : Motorola Mobility LLC  
**EQUIPMENT** : Mobile Cellular Phone  
**BRAND NAME** : Motorola  
**MODEL NAME** : XT2615-1, XT2615-2, XT2615-3, XT2615V  
**FCC ID** : IHDT56AT9  
**STANDARD** : 47 CFR Part 22, 24, 27, 90  
**CLASSIFICATION** : PCS Licensed Transmitter Held to Ear (PCE)  
**TEST DATE(S)** : Jun. 25, 2025

We, Sporton International Inc. (Shenzhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Shenzhen), the test report shall not be reproduced except in full.



Approved by: Fly Liang

**Sporton International Inc. (ShenZhen)**

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**People's Republic of China**



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APPENDIX A. TEST RESULTS OF CONDUCTED TEST





### SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§22.913(a)(5)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
	§24.232(c)	Equivalent Isotropic Radiated Power (Band 2) (Band 25)	EIRP < 2Watt		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)	EIRP < 1Watt		
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71)	ERP < 3 Watt		
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 7) (Band 38) (Band 41)	EIRP < 2Watt		
	§90.542 (a)(7)	Effective Radiated Power (Band 14)	ERP < 3Watt		
	§27.50 (a)(3)	Equivalent Isotropic Radiated Power (Band 30)	EIRP < 250mW/5MHz		

**Note:** This is a variant report, the change note could be referred to the XT2615-1, XT2615-2, XT2615-3, XT2615V\_ Operational Description of Product Equality Declaration which is exhibit separately. According to the change, only the worse cases of Conducted power/ERP/EIRP were verified from the original reports FG482618B&FG482618C& FG482618D& FG482618E&FG482618F&FG482618I, the worse RSE test cases of LTE were verified in another report FG561221C.

<b>Conformity Assessment Condition:</b>
<ol style="list-style-type: none"> <li>The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.</li> <li>The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"</li> </ol>
<b>Disclaimer:</b>
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



# 1 General Description

## 1.1 Applicant

Motorola Mobility LLC  
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

## 1.2 Manufacturer

Motorola Mobility LLC  
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

## 1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2615-1, XT2615-2, XT2615-3, XT2615V
FCC ID	IHDT56AT9
IMEI Code	350173620028077/350173620028085
HW Version	DVT2
SW Version	WWN36.6
EUT Stage	Identical Prototype

Remark: There are four models, the four models are for different markets and no other difference.

## 1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 25 : 1850 MHz ~ 1915 MHz LTE Band 26 : 824 MHz ~ 849 MHz(22H) LTE Band 26 : 859 ~ 869 MHz(90S) LTE Band 30 : 2305 MHz ~ 2315 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17 : 704 MHz ~ 716 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 71: 663 MHz ~ 698 MHz
Rx Frequency	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 25 : 1930 MHz ~ 1995 MHz



	<p>LTE Band 26 : 869 MHz ~ 894 MHz(22H)          LTE Band 26 : 859 ~ 869 MHz(90S)          LTE Band 30 : 2350 MHz ~ 2360 MHz          LTE Band 66 : 2110 MHz~ 2200 MHz          LTE Band 7 : 2620 MHz ~ 2690 MHz          LTE Band 12 : 729 MHz ~ 746 MHz          LTE Band 13 : 746 MHz ~ 756 MHz          LTE Band 14: 758 MHz ~ 768 MHz          LTE Band 17 : 734 MHz ~ 746 MHz          LTE Band 38: 2570 MHz ~ 2620 MHz          LTE Band 41 : 2496 MHz ~ 2690 MHz          LTE Band 71: 617 MHz ~ 652 MHz</p>
<b>Bandwidth</b>	<p>LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz          LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz          LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz          LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz          LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz          LTE Band 14 : 5MHz / 10MHz          LTE Band 30 : 5MHz / 10MHz          LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz          LTE Band 7 : 5MHz / 10MHz / 15MHz / 20MHz          LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz          LTE Band 13 : 5MHz / 10MHz          LTE Band 17 : 5MHz / 10MHz          LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz          LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz          LTE Band 71 : 5MHz / 10MHz / 15MHz / 20MHz</p>
<b>Maximum Output Power to Antenna</b>	<p><b>&lt;Ant.0&gt;</b>          LTE Band 2 : 23.11 dBm          LTE Band 4 : 23.20 dBm          LTE Band 5 : 22.69 dBm          LTE CA_5B : 22.82 dBm          LTE Band 25 : 23.12 dBm          LTE Band 26 : 22.74 dBm(22H)          LTE Band 26 : 22.67 dBm(90S)          LTE Band 66 : 23.22 dBm          LTE CA_66B : 22.61 dBm          LTE CA_66C : 22.54 dBm          LTE Band 12 : 22.92 dBm          LTE Band 13 : 23.02 dBm          LTE Band 17 : 22.91 dBm          LTE Band 71 : 23.11 dBm          LTE Band 14 : 22.92 dBm  <b>&lt;Ant.1&gt;</b>          LTE Band 7 : 23.49 dBm          LTE Band 38 : 23.41 dBm          LTE Band 41 : 26.41 dBm          LTE Band CA_41C : 22.94 dBm          LTE Band 30 : 23.28 dBm  <b>&lt;Ant.4&gt;</b>          LTE Band 2 : 22.63 dBm          LTE Band 4 : 22.78 dBm          LTE Band 5 : 22.67 dBm          LTE CA_5B : 22.88 dBm          LTE Band 25 : 22.73 dBm</p>



	LTE Band 26 : 22.65 dBm(22H) LTE Band 26 : 22.63 dBm(90S) LTE Band 66 : 22.66 dBm LTE CA_66B : 22.52 dBm LTE CA_66C : 22.41 dBm LTE Band 7 : 23.20 dBm LTE Band 12 : 22.90 dBm LTE Band 13 : 23.04 dBm LTE Band 17 : 22.96 dBm LTE Band 71 : 23.10 dBm LTE Band 14 : 22.92 dBm LTE Band 30 : 22.03 dBm
Antenna Gain	<b>&lt;Ant.0&gt;</b> LTE Band 2/25 : -2.7 dBi LTE Band 4/66 : -2.5 dBi LTE Band 5/26 : -3.8 dBi LTE Band 12 : -4.2 dBi LTE Band 13 : -4.0 dBi LTE Band 17 : -4.2 dBi LTE Band 71 : -4.5 dBi LTE Band 14 :-4.0 dBi <b>&lt;Ant.1&gt;</b> LTE Band 7 : -2.7 dBi LTE Band 38 : -2.6 dBi LTE Band 41 : -2.6 dBi LTE Band 30 : -2.6 dBi <b>&lt;Ant.4&gt;</b> LTE Band 2/25 : -3.2 dBi LTE Band 4/66 : -3.8 dBi LTE Band 5/26 : -4.8 dBi LTE Band 7 : -3.1 dBi LTE Band 12 : -5.2 dBi LTE Band 13 : -5.0 dBi LTE Band 17 : -5.2 dBi LTE Band 71 : -5.5 dBi LTE Band 14 :-5.0 dBi LTE Band 30 : -3 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

### 1.5 Modification of EUT

No modifications are made to the EUT during all test items.



### 1.6 Maximum ERP/EIRP Power or Conducted Power

LTE Band 2		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
20	1860.0 ~ 1900.0	0.1099
LTE Band 25		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
20	1860.0 ~ 1905.0	0.1102
LTE Band 4		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
20	1720.0 ~ 1745.0	0.1175
LTE Band 5		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
10	829.0 ~ 844.0	0.0472
LTE Band 26(22H)		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
15	831.5 ~ 841.5	0.0478
LTE Band 26(90S)		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum Conducted Power (W)
15	824	0.1849
LTE Band 66		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
20	1720.0 ~ 1770.0	0.1180
LTE Band CA_5B		QPSK
BW (MHz)		Maximum ERP(W)
10MHz+10MHz		0.0486
LTE Band CA_66B		QPSK
BW (MHz)		Maximum EIRP(W)
10MHz+5MHz		0.1026
LTE Band CA_66C		QPSK
BW (MHz)		Maximum EIRP(W)
20MHz+10MHz		0.1009
LTE Band 7		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
20	2510.0 ~ 2560.0	0.1159



LTE Band 12		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)
10	704.0 ~ 711.0	0.0454
LTE Band 13		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)
10	782.0	0.0486
LTE Band 17		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)
10	709.0 ~ 711.0	0.0453
LTE Band 38		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
20	2580.0 ~ 2610.0	0.1205
LTE Band 41		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
20	2506.0 ~ 2680.0	0.2404
LTE Band 71		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)
20	673.0 ~ 688.0	0.0443
LTE Band 41 CA		QPSK
BW (MHz)		Maximum EIRP(W)
20MHz+20MHz		0.1081
LTE Band 14		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)
10	793	0.0475
LTE Band 30		QPSK
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)
10	2310.0	0.1169



### 1.7 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

<b>Test Firm</b>	Sporton International Inc. (ShenZhen)		
<b>Test Site Location</b>	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC Designation No.</b>	<b>FCC Test Firm Registration No.</b>
	03CH02-SZ TH01-SZ	CN1256	421272

### 1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a

### 1.9 Applicable Standards

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

- ♦ 47 CFR 22, 24, 27, 90
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 971168 D02 Misc Rev Approv License Devices v02r01

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



### 1.10 Specification of Accessory

Accessories Information				
AC Adapter 1	Brand Name	Motorola(AOHAI)	Model Name	MC-201L
AC Adapter 2	Brand Name	Motorola(Salcomp)	Model Name	MC-201L
USB Cable 1	Brand Name	Motorola(WASHIN)	Model Name	HX-TL-04
USB Cable 2	Brand Name	Motorola(SAIBAO)	Model Name	STN-A131A
USB Cable 3	Brand Name	Motorola(WASHIN)	Model Name	HX-TL-07
USB Cable 4	Brand Name	Motorola(SAIBAO)	Model Name	STN-A132A
Battery 1	Brand Name	Motorola(ATL)	Model Name	RL52
Battery 2	Brand Name	Motorola(Sunwoda)	Model Name	RL52



## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel			
		1.4	3	5	10	15	20	QPSK	16 QAM	64 QAM	256 QAM	1	Half	Full	L	M	H
Max. Output Power	2						v	v				v				v	
	4						v	v				v				v	
	5				v	-	-	v				v				v	
	14	-	-		v	-	-	v				v				v	
	25						v	v				v				v	
	26					v	-	v				v				v	
	30	-	-		v	-	-	v				v				v	
	66						v	v				v				v	
E.R.P / E.I.R.P	2						v	v				v				v	
	4						v	v				v				v	
	5				v	-	-	v				v				v	
	14	-	-		v	-	-	v				v				v	
	25						v	v				v				v	
	26					v	-	v				v				v	
	30	-	-		v	-	-	v				v				v	
	66						v	v				v				v	
Note	1. The mark "v " means that this configuration is chosen for testing 2. The mark "- " means that this bandwidth is not supported.																



Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16 QAM	64 QAM	256 QAM	1	Half	Full	L	M	H
Max. Output Power	7	-	-				v	v				v				v	
	12				v	-	-	v				v				v	
	13	-	-		v	-	-	v				v				v	
	17	-	-		v	-	-	v				v				v	
	38	-	-				v	v				v				v	
	41	-	-				v	v				v				v	
	71	-	-				v	v				v				v	
E.R.P / E.I.R.P	7	-	-				v	v				v				v	
	12				v	-	-	v				v				v	
	13	-	-		v	-	-	v				v				v	
	17	-	-		v	-	-	v				v				v	
	38	-	-				v	v				v				v	
	41	-	-				v	v				v				v	
	71	-	-				v	v				v				v	
Note	1. The mark "v" means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported.																

Test Items	Band	Bandwidth (MHz)								Modulation				RB #			Test Channel		
		10+10	15+5	5+15	10+5	5+10	5+5	5+3	3+5	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	5B_CA	v	-	-			-			v				v			v		
	66B_CA				v		-	-	v					v					v
E.I.R.P.	5B_CA	v	-	-			-			v				v			v		
	66B_CA				v		-	-	v					v					v
Note	1. The mark "v" means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported.																		

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	20+10	20+5	15+20	15+15	15+10	10+20	10+15	5+20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	66C_CA			v							v				v					v	
	41C_CA	v									v				v					v	
E.I.R.P.	66C_CA			v							v				v					v	
	41C_CA	v									v				v					v	



### 2.2 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3



LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3



LTE Band 26 Channel and Frequency List (22H)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829	836.5	844
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 26 Channel and Frequency List (90S)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	26740	-
	Frequency	-	819	-
5	Channel	26715	26740	26765
	Frequency	816.5	819	821.5
3	Channel	26705	26740	26775
	Frequency	815.5	819	822.5
1.4	Channel	26697	26740	26783
	Frequency	814.7	819	823.3

LTE Band 26 Cross-rule Channel and Frequency List (90S)				
BW [MHz]	Channel/Frequency(MHz)	-	Middle	-
15	Channel	-	26790	-
	Frequency	-	824	-
10	Channel	-	26790	-
	Frequency	-	824	-
5	Channel	-	26790	-
	Frequency	-	824	-
3	Channel	-	26790	-
	Frequency	-	824	-
1.4	Channel	-	26790	-
	Frequency	-	824	-



LTE Band 66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	132072	132322	132572
	Frequency	1720	1745	1770
15	Channel	132047	132322	132597
	Frequency	1717.5	1745	1772.5
10	Channel	132022	132322	132622
	Frequency	1715	1745	1775
5	Channel	131997	132322	132647
	Frequency	1712.5	1745	1777.5
3	Channel	131987	132322	132657
	Frequency	1711.5	1745	1778.5
1.4	Channel	131979	132322	132665
	Frequency	1710.7	1745	1779.3

LTE Band 5B_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest	
3 + 5	PCC	Channel	20416	20501	20586
		Frequency	825.6	834.1	842.6
	SCC	Channel	20455	20540	20625
		Frequency	829.5	838.0	846.5
5 + 3	PCC	Channel	20425	20510	20595
		Frequency	826.5	835.0	843.5
	SCC	Channel	20464	20549	20634
		Frequency	830.4	838.9	847.4
5 + 10	PCC	Channel	20428	20478	20528
		Frequency	826.8	831.8	836.8
	SCC	Channel	20500	20550	20600
		Frequency	834	839	844
10 + 5	PCC	Channel	20450	20500	20550
		Frequency	829	834	839
	SCC	Channel	20522	20572	20622
		Frequency	836.2	841.2	846.2
10 + 10	PCC	Channel	20450	20476	20501
		Frequency	829	831.6	834.1



	SCC	Channel	20549	20575	20600
		Frequency	838.9	841.5	844

LTE Band 66C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10 + 15	PCC	Channel	132025	132351	132477
		Frequency	1715.3	1747.9	1760.5
	SCC	Channel	132145	132471	132597
		Frequency	1727.3	1759.9	1772.5
15 + 10	PCC	Channel	132047	132373	132499
		Frequency	1717.5	1750.1	1762.7
	SCC	Channel	132167	132493	132619
		Frequency	1729.5	1762.1	1774.7
10 + 20	PCC	Channel	132027	132328	132428
		Frequency	1715.5	1745.6	1755.6
	SCC	Channel	132171	132472	132572
		Frequency	1729.9	1760	1770
20 + 10	PCC	Channel	132072	132373	132473
		Frequency	1720	1750.1	1760.1
	SCC	Channel	132216	132517	132617
		Frequency	1734.4	1764.5	1774.5
15 + 15	PCC	Channel	132047	132347	132447
		Frequency	1717.5	1747.5	1757.5
	SCC	Channel	132197	132497	132597
		Frequency	1732.5	1762.5	1772.5
15 + 20	PCC	Channel	132050	132325	132401
		Frequency	1717.8	1745.3	1752.9
	SCC	Channel	132221	132496	132572
		Frequency	1734.9	1762.4	1770
20 + 15	PCC	Channel	132072	132348	132423
		Frequency	1720	1747.6	1755.1
	SCC	Channel	132243	132519	132594
		Frequency	1737.1	1764.7	1772.2
20 + 5	PCC	Channel	132072	132397	132522
		Frequency	1720	1752.5	1765
	SCC	Channel	132189	132514	132639



		Frequency	1731.7	1764.2	1776.7
5 + 20	PCC	Channel	132005	132330	132455
		Frequency	1713.3	1745.8	1758.3
	SCC	Channel	132122	132447	132572
		Frequency	1725	1757.5	1770
20 + 20	PCC	Channel	132072	132323	132374
		Frequency	1720	1745.1	1750.2
	SCC	Channel	132270	132521	132572
		Frequency	1739.8	1764.9	1770

LTE Band 66B_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
5 + 5	PCC	Channel	131997	132398	132599
		Frequency	1712.5	1752.6	1772.7
	SCC	Channel	132045	132446	132647
		Frequency	1717.3	1757.4	1777.5
5 + 10	PCC	Channel	132000	132375	132550
		Frequency	1712.8	1750.3	1767.8
	SCC	Channel	132072	132447	132622
		Frequency	1720	1757.5	1775
10 + 5	PCC	Channel	132022	132397	132572
		Frequency	1715	1752.5	1770
	SCC	Channel	132094	132469	132644
		Frequency	1722.2	1759.7	1777.2
5 + 15	PCC	Channel	132002	132353	132504
		Frequency	1713	1748.1	1763.2
	SCC	Channel	132095	132446	132597
		Frequency	1722.3	1757.4	1772.5
15 + 5	PCC	Channel	132047	132398	132549
		Frequency	1717.5	1752.6	1767.7
	SCC	Channel	132140	132491	132642
		Frequency	1726.8	1761.9	1777
10 + 10	PCC	Channel	132022	132373	132523
		Frequency	1715	1750.1	1765.1
	SCC	Channel	132121	132472	132622
		Frequency	1724.9	1760	1775



LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3

LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5



LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580	2595	2610
15	Channel	37825	38000	38175
	Frequency	2577.5	2595	2612.5
10	Channel	37800	38000	38200
	Frequency	2575	2595	2615
5	Channel	37775	38000	38225
	Frequency	2572.5	2595	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506	2593	2680
15	Channel	39725	40620	41515
	Frequency	2503.5	2593	2682.5
10	Channel	39700	40620	41540
	Frequency	2501	2593	2685
5	Channel	39675	40620	41565
	Frequency	2498.5	2593	2687.5



LTE Band 71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	133222	133322	133372
	Frequency	673.0	680.5	688.0
15	Channel	133197	133297	133397
	Frequency	670.5	680.5	690.5
10	Channel	133172	133272	133422
	Frequency	668.0	678.0	693.0
5	Channel	133147	133247	133447
	Frequency	665.5	675.5	695.5

LTE Band 41C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest	
20 + 20	PCC	Channel	39750	40521	41292
		Frequency	2506.0	2583.1	2660.2
	SCC	Channel	39948	40719	41490
		Frequency	2525.8	2602.9	2680.0
20 + 15	PCC	Channel	39750	40546	41341
		Frequency	2506.0	2585.6	2665.1
	SCC	Channel	39921	40717	41512
		Frequency	2523.1	2602.7	2682.2
15 + 20	PCC	Channel	39728	40523	41319
		Frequency	2503.8	2593.3	2662.9
	SCC	Channel	39899	40694	41490
		Frequency	2520.9	2600.4	2680.0
20 + 10	PCC	Channel	39750	40571	41391
		Frequency	2506.0	2588.1	2670.1
	SCC	Channel	39894	40715	41535
		Frequency	2520.4	2602.5	2684.5
10 + 20	PCC	Channel	39705	40526	41346
		Frequency	2501.5	2583.6	2665.6
	SCC	Channel	39849	40670	41490
		Frequency	2515.9	2598.0	2680.0



LTE Band 41C_CA Channel and Frequency List					
20 + 5	PCC	Channel	39750	40595	41440
		Frequency	2506.0	2590.5	2675.0
	SCC	Channel	39867	40712	41557
		Frequency	2517.7	2602.2	2686.7
5 + 20	PCC	Channel	39683	40528	41373
		Frequency	2499.3	2583.8	2668.3
	SCC	Channel	39800	40645	41490
		Frequency	2511.0	2595.5	2680.0
15 + 15	PCC	Channel	39725	40545	41365
		Frequency	2503.5	2585.5	2667.5
	SCC	Channel	39875	40695	41515
		Frequency	2518.5	2600.5	2682.5
10 + 15	PCC	Channel	39703	40549	41395
		Frequency	2501.3	2585.9	2670.5
	SCC	Channel	39823	40669	41515
		Frequency	2513.3	2597.9	2682.5
15 + 10	PCC	Channel	39725	40571	41417
		Frequency	2503.5	2588.1	2672.7
	SCC	Channel	39845	40691	41537
		Frequency	2515.5	2600.1	2684.7

LTE Band 14 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23330	-
	Frequency	-	793	-
5	Channel	23305	23330	23355
	Frequency	790.5	793	795.5

LTE Band 30 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	27710	-
	Frequency	-	2310	-
5	Channel	27685	27710	27735
	Frequency	2307.5	2310	2312.5

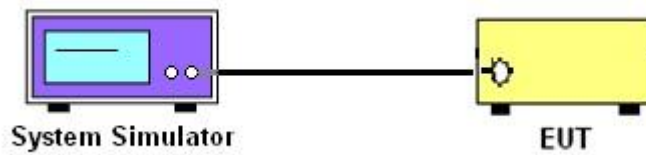
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

See list of measuring instruments of this test report.

#### 3.2 Test Setup

##### 3.2.1 Conducted Output Power



#### 3.3 Test Result of Conducted Test

Please refer to Appendix A.



### 3.4 Conducted Output Power and ERP/EIRP

#### 3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2, Band 25, Band 7, Band 38 and Band 41.

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4 and Band 66.

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13 , Band 14, Band 17 and Band 71.

The EIRP of mobile transmitters must not exceed 250mW/5MHz for LTE Band 30.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$ ,  $ERP = EIRP - 2.15$ , where

$P_T$  = transmitter output power in dBm

$G_T$  = gain of the transmitting antenna in dBi

$L_C$  = signal attenuation in the connecting cable between the transmitter and antenna in dB

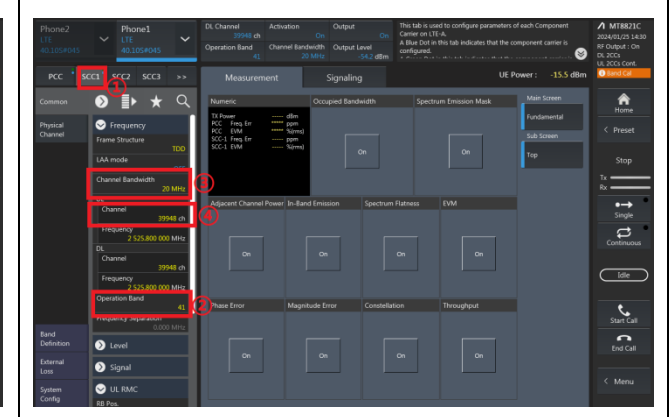
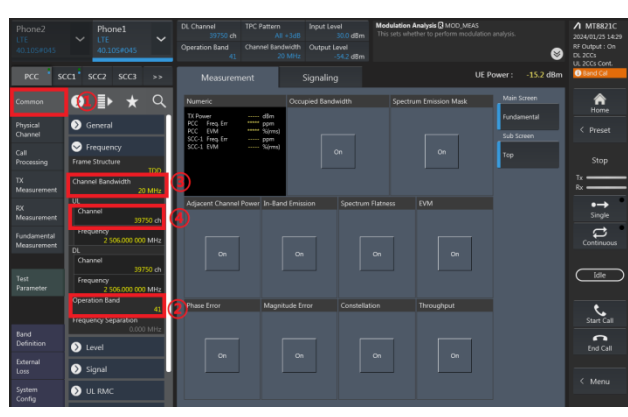
#### 3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

### 3.4.3 Test Procedures for LTE ULCA

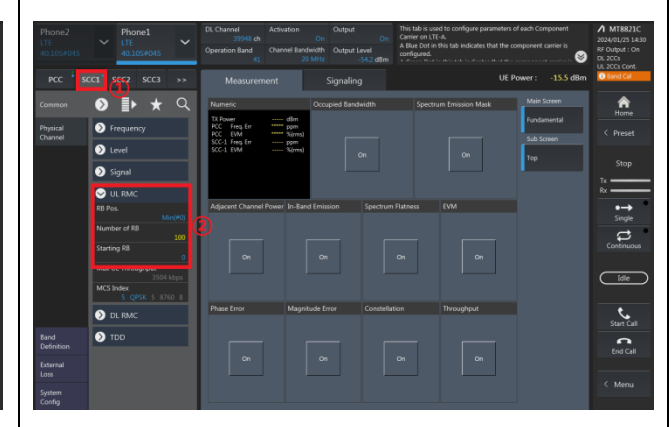
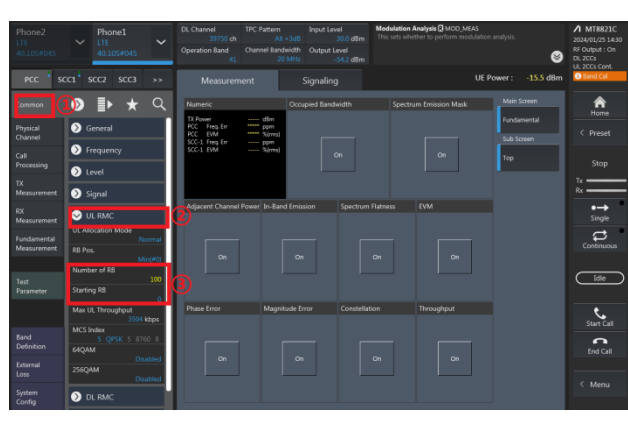
1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter PCC & SCC output ports were connected to the system simulator.
3. Set EUT at maximum power, set the PCC/SCC CA band, channel, bandwidth and RB config.

**PCC config\_(Channel Bandwidth / Channel / Band)      SCC config\_(Channel Bandwidth / Channel / Band)**



**PCC config\_(Number of RB / Starting RB)**

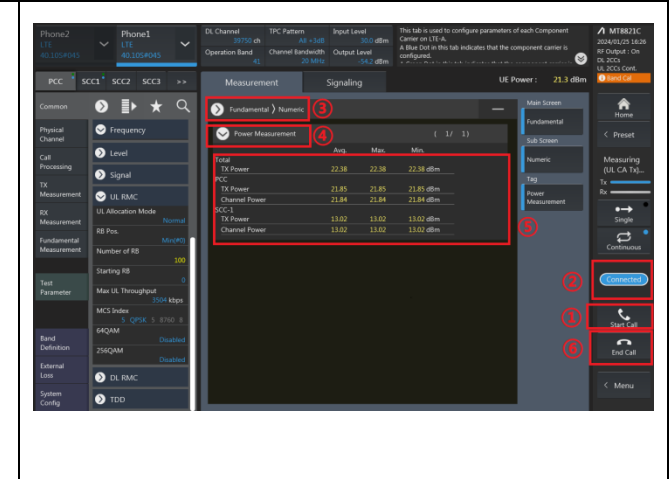
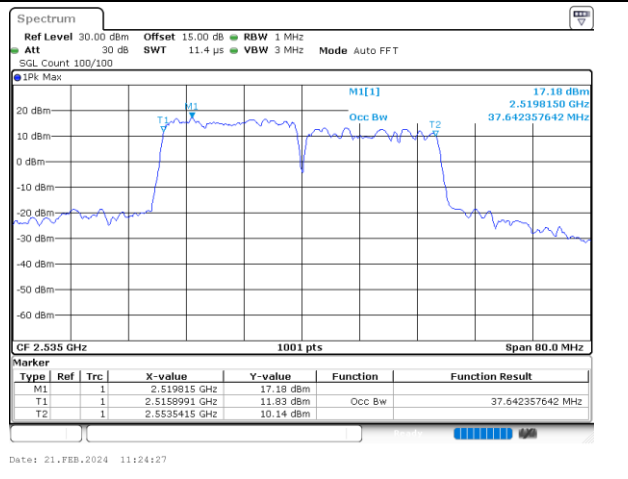
**SCC config\_(Number of RB / Starting RB)**



4. Select lowest, middle, and highest channels for each ULCA band and different modulation.
5. Check the ULCA spectrum and record the total power from the system simulator.

**Check the ULCA spectrum (eg. 20M+20M)**

**Read the Total UL CA output power (PCC+SCC)**





## 4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio communication	Anritsu	MT8820C	6201563777	2G/3G/4G	Jul. 05, 2024	Jun. 25, 2025	Jul. 04, 2025	Conducted (TH01-SZ)
Radio communication	Anritsu	MT8821C	6201692204	4G CA	Dec.25, 2024	Jun. 25, 2025	Dec. 24, 2025	Conducted (TH01-SZ)



## 5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

### Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	$\pm 1.34$ dB

----- THE END -----



## Appendix A. Test Results of Conducted Test

Test Engineer :	Nina Cheng	Temperature :	24~26°C
		Relative Humidity :	50~53%

### Conducted Output Power(Average power) and ERP/EIRP

#### LTE Band 2\_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900	L	M	H
20	QPSK	1	0	-	23.11	-	-	0.1099	-

#### LTE Band 4\_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745	L	M	H
20	QPSK	1	0	-	23.20	-	-	0.1175	-

#### LTE Band 5\_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844	L	M	H
10	QPSK	1	0	-	22.69	-	-	0.0472	-

#### LTE Band 25\_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				26140	26340	26590			
Frequency (MHz)				1860	1880	1905	L	M	H
20	QPSK	1	0	-	23.12	-	-	0.1102	-

#### LTE Band 26(22H)\_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				26865	26915	26965			
Frequency (MHz)				831.5	836.5	841.5	L	M	H
15	QPSK	1	0	-	22.74	-	-	0.0478	-



**LTE Band 66\_ANT0:**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770	L	M	H
20	QPSK	1	0	-	23.22	-	-	0.1180	-

**LTE CA\_5B\_ANT0:**

Combination 10MHz+10MHz (50RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	ERP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	22.82	0.0486

**LTE CA\_66B\_ANT0:**

Combination 10MHz+5MHz (50RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
H	QPSK	1	Max	1	0	22.61	0.1026

**LTE CA\_66C\_ANT0:**

Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
H	QPSK	1	Max	1	0	22.54	0.1009

**LTE Band 7\_Ant.1**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20850	20850	21350			
Frequency (MHz)				2510	2535	2560	L	M	H
20	QPSK	1	0	-	23.34	-	-	0.1159	-

**LTE Band 12\_Ant.0**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711	L	M	H
10	QPSK	1	0	-	22.92	-	-	0.0454	-

**LTE Band 13\_Ant.0**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23230					
Frequency (MHz)				782				M	
10	QPSK	1	0		23.02			0.0486	



**LTE Band 17\_Ant.0**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711	L	M	H
10	QPSK	1	0	-	22.91	-	-	0.0453	-

**LTE Band 38\_Ant.1**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	L	M	H
20	QPSK	1	0	-	23.41	-	-	0.1205	-

**LTE Band 41\_Ant.1**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				39750	40620	41490			
Frequency (MHz)				2506	2593	2680	L	M	H
20	QPSK	1	0	-	26.41	-	-	0.2404	-

**LTE Band 71\_Ant.0**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				133222	133322	133372			
Frequency (MHz)				673	683	688	L	M	H
20	QPSK	1	0	-	23.11	-	-	0.0443	-

**LTE CA\_41C\_Ant.1**

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
H	QPSK	1	Max	1	0	22.94	0.1081

**LTE Band 26(90S)\_ANT0:**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel					26790	
Frequency (MHz)					824	
15	QPSK	1	0	-	22.67	-



LTE Band 14\_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23330					
Frequency (MHz)				793				M	
10	QPSK	1	0		22.92		-	0.0475	-

LTE Band 30\_ANT1:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				27710					
Frequency (MHz)				2310				M	
10	QPSK	1	0		23.28		-	0.1169	-