RADIO TEST REPORT
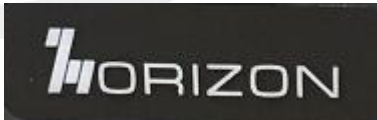
Report No:STS1906231W02

Issued for

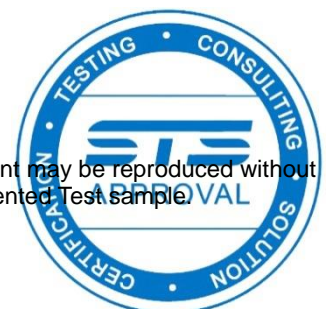Telecell Mobile (H.K) Ltd.

RM 801 Metro Ctr II, 21 Lam Hing Street, Kln Bay, Hong Kong

Product Name:	Vision
Brand Name:	HORIZON
Model Name:	I232
Series Model:	N/A
FCC ID:	2ADX3I232
Test Standard:	47 CFR Part 2, 22H, 24(E), 27, 90 December 20, 2018

TEST RESULT CERTIFICATION

Applicant's Name……………:   Telecell Mobile (H.K) Ltd.

Address ....:   RM 801 Metro Ctr II, 21 Lam Hing Street, Kln Bay, Hong Kong

Manufacture's Name ....:   Telecell Mobile (H.K) Ltd.

Address ....:   RM 801 Metro Ctr II, 21 Lam Hing Street, Kln Bay, Hong Kong

Product description

Product Name ....:   Vision

Brand Name   ....:   **ℐ₂ORIZON**

Model Name..........................:   I232

Series Model ....:   N/A

Test Standards.....................:   47 CFR Part 2, 22H, 24(E), 27, 90 December 20, 2018

Test Procedure ....:   KDB 971168 D01 v03r01, ANSI C63.26 2015

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.
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Date of Test..............................:

Date (s) of performance of tests.:   26 June 2019 ~ 16 July 2019

Date of Issue ....:   16 July 2019

Test Result ....:   Pass

Testing Engineer   :

(Chris Chen)

Technical Manager   :

(Sunday Hu)

Authorized Signatory :

(Vita Li)

Table of Contents   Page

Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	16 July 2019	STS1906231W02	ALL	Initial Issue

1. TEST FACTORY & MEASUREMENT UNCERTAINTY

1.1 TEST FACTORY
Shenzhen STS Test Services Co., Ltd.
Add.: 1/F., Building B, Zhuoke Science Park, No.190, Chongqing Road,
Fuyong Street, Bao'an District, Shenzhen, Guangdong, China
FCC test Firm Registration Number: 625569
A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY
The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	RF output power, conducted	±0.71dB
2	Unwanted Emissions, conducted	±0.63dB
3	All emissions, radiated 30-200MHz	±3.43dB
4	All emissions, radiated 200MHz-1GHz	±3.57dB
5	All emissions, radiated>1G	±4.13dB
6	Conducted Emission (9KHz-150KHz)	±3.18dB
7	Conducted Emission (150KHz-30MHz)	±2.70dB
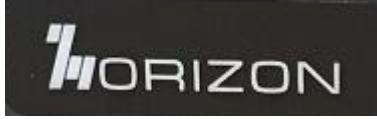
2. GENERAL INFORMATION

2.1 TECHNICAL SPECIFICATIONS AND REGULATIONS

2.1.1 PRODUCT DESCRIPTION

A major technical description of EUT is described as following:

Product Name:	Vision
Trade Name	**₁₁ORIZON**
Model Name	I232
Series Model	N/A
Model Difference	N/A
Frequency Bands:	U.S. Bands: ☒LTE FDD Band 2 ☒LTE FDD Band 4 ☒LTE FDD Band 5 ☒LTE FDD Band 12 ☒LTE FDD Band 13 ☒LTE FDD Band 17 ☒LTE FDD Band 25 ☒LTE FDD Band 26 ☒LTE FDD Band 41
SIM CARD:	Only support single SIM Card.
Antenna:	External Antennal
Antenna gain:	Band 2: 2.8dBi, Band 4: 2.5dBi, Band 5: 0.8dBi, Band 12: 0.8dBi, Band 13: 0.8dBi, Band 17: 0.8dBi, Band 25: 2.5dBi, Band 26: 0.8dBi, Band 41: 2.8dBi
Adapter:	Input: 100-240V, 50/60Hz, 0.5A Max Output: DC12V,1A
Extreme Vol. Limits:	AC 109V/60Hz to AC 132V/60Hz (Nominal AC 120V/60Hz)
Extreme Temp. Tolerance:	-30℃ to +50℃
Hardware version number:	SLT768_V1.0.3
Software version number:	I232S_EQ103_00B.B8E980.B8A1B01_N180928_1012_C07_V01-normal

2.1.2 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD

Product Specification Subjective To This Standard	
Tx Frequency	LTE Band 2:1850~1910MHz LTE Band 4:1710~1755MHz LTE Band 5:824~849MHz LTE Band 12:699~716MHz LTE Band 13:777~787MHz LTE Band 17:704~716MHz LTE Band 25:1850~1915MHz LTE Band 26:814~849MHz LTE Band 41:2555~2655MHz
Rx Frequency	LTE Band 2:1930~1990MHz LTE Band 4:2110~2155MHz LTE Band 5:869~894MHz LTE Band 12:729~746MHz LTE Band 13:746~756MHz LTE Band 17:734~746MHz LTE Band 25:1930~1995MHz LTE Band 26: 859~894MHz LTE Band 41:2555~2655MHz
Bandwidth	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 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17: 5MHz / 10MHz LTE Band 25: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 41 : 5MHz / 10MHz / 15MHz /20MHz
Maximum Output Power Limit	LTE Band 2 : 22.59dBm LTE Band 4 : 22.85 dBm LTE Band 5 : 23.23 dBm LTE Band 12 : 22.81 dBm LTE Band 13 : 22.58 dBm LTE Band 17 : 23.37dBm LTE Band 25: 22.24 dBm LTE Band 26 : 23.04 dBm LTE Band 26 : 21.48 dBm(Part 90) LTE Band 41 : 22.63 dBm
Type of Modulation	QPSK /16QAM/64QAM

2.1.3 EMISSION DESIGNATOR

LTE Band 2	Emission Designator	Emission Designator
BW(MHz)	(26dBc)QPSK	(26dBc)16QAM
1.4	1M31G7D	1M31W7D
3	2M93G7D	2M93W7D
5	5M02G7D	5M03W7D
10	9M73G7D	9M72W7D
15	14M7G7D	14M7W7D
20	19M4G7D	19M4W7D

LTE Band 4	Emission Designator	Emission Designator
BW(MHz)	(26dBc)QPSK	(26dBc)16QAM
1.4	1M31G7D	1M30W7D
3	2M93G7D	2M94W7D
5	5M01G7D	5M03W7D
10	9M74G7D	9M77W7D
15	14M8G7D	14M7W7D
20	19M4G7D	19M5W7D

LTE Band 5	Emission Designator	Emission Designator
BW(MHz)	(26dBc)QPSK	(26dBc)16QAM
1.4	1M31G7D	1M30W7D
3	2M93G7D	2M95W7D
5	5M01G7D	5M02W7D
10	9M71G7D	9M67W7D

LTE Band 12	Emission Designator	Emission Designator
BW(MHz)	(26dBc)QPSK	(26dBc)16QAM
1.4	1M31G7D	1M30W7D
3	2M93G7D	2M95W7D
5	5M01G7D	5M02W7D
10	9M71G7D	9M66W7D

LTE Band 13	Emission Designator	Emission Designator
BW(MHz)	(26dBc)QPSK	(26dBc)16QAM
5	5M05G7D	5M04W7D
10	9M69G7D	9M64W7D

LTE Band 17	Emission Designator	Emission Designator
BW(MHz)	(26dBc)QPSK	(26dBc)16QAM
5	5M00G7D	5M06W7D
10	9M81G7D	9M79W7D

LTE Band 25	Emission Designator	Emission Designator
BW(MHz)	(26dBc)QPSK	(26dBc)16QAM
1.4	1M31G7D	1M30W7D
3	2M93G7D	2M95W7D
5	5M03G7D	5M04W7D
10	9M67G7D	9M70W7D
15	14M9G7D	14M7W7D
20	19M5G7D	19M3W7D

LTE Band 26	Emission Designator	Emission Designator
BW(MHz)	(26dBc)QPSK	(26dBc)16QAM
1.4	1M29G7D	1M30W7D
3	2M93G7D	2M93W7D
5	5M01G7D	5M03W7D
10	9M76G7D	9M70W7D
15	14M8G7D	14M7W7D

LTE Band 26(Part 90)	Emission Designator	Emission Designator
BW(MHz)	(26dBc)QPSK	(26dBc)16QAM
1.4	1M32G7D	1M31W7D
3	2M94G7D	2M93W7D
5	4M97G7D	5M04W7D
10	9M58G7D	9M64W7D

LTE Band 41	Emission Designator	Emission Designator
BW(MHz)	(26dBc)QPSK	(26dBc)16QAM
5	4M99G7D	5M07W7D
10	9M74G7D	9M67W7D
15	14M9G7D	15M6W7D
20	19M4G7D	19M8W7D

2.1.4 TEST CONFIGURATION OF EQUIPMENT UNDER TEST

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 v03r01 and ANSI C63.26 2015 Power Meas. License Digital Systems with maximum output power. Radiated measurements are performed by rotating the EUT in three different orthogonal test planes tofind the maximum emission.

Remark:

1. The mark 'v'means that this configuration is chosen for testing
2. The mark '-'means that this bandwidth is not supported.
3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated

ITEMS	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v			v	v	v	v	v	v	v	v
	12	v	v	v	v			v	v	v	v	v	v	v	v
	13			v	v			v	v	v	v	v		v	
	17			v	v			v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v		v	v	v	v	v	v	v	v
	26 (Part 90)	v	v	v	v			v	v	v	v	v	v	v	v
	41			v	v	v	v	v	v	v	v	v	v	v	v
Peak&Avera Ratio	2						v	v	v	v			v	v	v
	4						v	v	v	v			v	v	v
	5				v			v	v	v			v	v	v
	12				v			v	v	v			v	v	v
	13				v			v	v	v	v			v	
	17				v			v	v	v			v	v	v
	25						v	v	v	v			v	v	v
	26					v		v	v	v			v	v	v
	41						v	v	v	v			v	v	v
26dB&99% Bandwidth	2	v	v	v	v	v	v	v	v				v	v	v
	4	v	v	v	v	v	v	v	v				v	v	v
	5	v	v	v	v			v	v				v	v	v
	12	v	v	v	v			v	v				v	v	v
	13			v	v			v	v					v	
	17			v	v			v	v				v	v	v
	25	v	v	v	v	v	v	v	v				v	v	v
	26	v	v	v	v	v		v	v				v	v	v
	26 (Part 90)	v	v	v	v			v	v	v	v		v	v	v
	41			v	v	v	v	v	v			v	v	v	v

Test	Band														
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v		v	v	v	v
	4	v	v	v	v	v	v	v	v	v		v	v	v	v
	5	v	v	v	v			v	v	v		v	v	v	v
	12	v	v	v	v			v	v	v		v	v	v	v
	13			v	v			v	v	v		v		v	
	17			v	v			v	v	v		v	v	v	v
	25	v	v	v	v	v	v	v	v	v		v	v	v	v
	26	v	v	v	v	v		v	v	v		v	v	v	v
	26 (Part 90)	v	v	v	v			v	v	v	v			v	v
	41			v	v	v	v	v	v	v		v	v	v	v
Conducted Spurious Emission	2	v	v	v	v	v	v	v	v	v			v	v	v
	4	v	v	v	v	v	v	v	v	v			v	v	v
	5	v	v	v	v			v	v	v			v	v	v
	12	v	v	v	v			v	v	v			v	v	v
	13			v	v			v	v	v				v	
	17			v	v			v	v	v			v	v	v
	25	v	v	v	v	v	v	v	v	v			v	v	v
	26	v	v	v	v	v		v	v	v			v	v	v
	26 (Part 90)	v	v	v	v			v	v	v	v			v	v
	41			v	v	v	v	v	v	v			v	v	v
Frequency Stability	2				v			v				v		v	
	4				v			v				v		v	
	5				v			v				v		v	
	12				v			v				v		v	
	13				v			v				v		v	
	17				v			v				v		v	
	25				v			v				v		v	
	26				v			v				v		v	
	26 (Part 90)				v			v						v	v
	41				v			v				v		v	
E.R.P.& E.I.R.P.	2	v	v	v	v	v	v	v	v	v			v	v	v
	4	v	v	v	v	v	v	v	v	v			v	v	v
	5	v	v	v	v			v	v	v			v	v	v
	12	v	v	v	v			v	v	v			v	v	v
	13			v	v			v	v	v				v	
	17			v	v			v	v	v			v	v	v
	25	v	v	v	v	v	v	v	v	v			v	v	v
	26	v	v	v	v	v		v	v	v			v	v	v
	26 (Part 90)	v	v	v	v			v			v			v	v
	41			v	v	v	v	v	v	v			v	v	v

2.1.5 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for filing to comply with the 47 CFR Part 2, 22(H), 24(E), 27, 90

2.1.6 SPECIAL ACCESSORIES

The battery and the charger, earphone supplied by the applicant were used as accessories and being tested with eut intended for fcc grant together.

2.1.7 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the

Commission's requirement and operating in a manner which intends to maximize its emission

characteristics in a continuous normal application.

2.1.8 EUT EXERCISE

The Transmitter was operated in the maximum output power mode through Communication Tester.

The TX frequency was fixed which was for the purpose of the measurements.
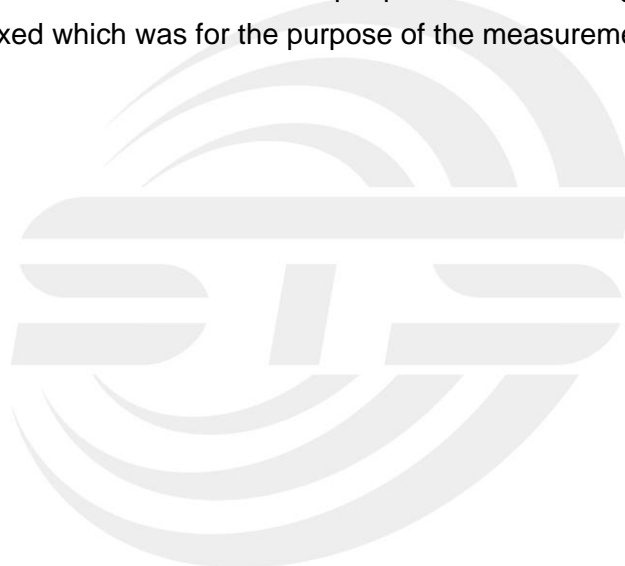
2.1.9 CONFIGURATION OF EUT SYSTEM

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

```
┌─────────────┐
│             │
│    E-1      │
│    EUT      │
│             │
└─────────────┘
```

Table 2-1 Equipment Used in EUT System

Item	Equipment	Model No.	Serial No.	Note
N/A	N/A	N/A	N/A	N/A

Note:

(1)   The support equipment was authorized by Declaration of Confirmation.

(2)   For detachable type I/O cable should be specified the length in cm in 『Length』 column.

2.1.10 MEASUREMENT INSTRUMENTS

The radiated emission testing was performed according to the procedures of ANSI C63.26 2015 and FCC CFR 47 rules of 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055, 2.1057, Part 90 Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2018.10.13	2019.10.12
Signal Analyzer	Agilent	N9020A	MY51110105	2019.03.02	2020.03.01
Wireless Communications Test Set	R&S	CMW 500	133884	2019.03.02	2020.03.01
Bilog Antenna	TESEQ	CBL6111D	34678	2017.11.02	2020.11.1
Horn Antenna	SCHWARZBECK	BBHA 9120D(1201)	9120D-1343	2018.10.19	2021.10.18
SHF-EHF Horn Antenna (18G-40GHz)	A-INFO	LB-180400-KF	J211020657	2018.03.11	2021.03.10
Pre-Amplifier(0.1M-3GHz)	EM	EM330	060665	2018.10.13	2019.10.12
Pre-Amplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK2018080901	2018.10.13	2019.10.12
turn table	EM	SC100_1	60531	N/A	N/A
Antenna mast	EM	SC100	N/A	N/A	N/A
Temperature & Humidity	HH660	Mieo	N/A	2018.10.11	2019.10.10
Test SW	BULUN	BL410-E/18.905			

RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Universal Radio communication tester	R&S	CMU200	11764	2018.10.13	2019.10.12
Wireless Communications Test Set	R&S	CMW 500	133884	2019.03.02	2020.03.01
Signal Analyzer	Agilent	N9020A	MY49100060	2018.10.13	2019.10.12
Temperature & Humidity	HH660	Mieo	N/A	2018.10.11	2019.10.10
Test SW	FARAD	LZ-RF /LzRf-3A3			

2.1.11 MEASUREMENT RESULTS EXPLANATION EXAMPLE

For all conducted test items:
The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factorbetween EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF Cable Loss + Attenuator Factor.

3. CONDUCTED OUTPUT POWER
3.1 DESCRIPTION OF THE CONDUCTED OUTPUT POWER MEASUREMENT

3.1.1 MEASUREMENT METHOD

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.
Configuration follows KDB 971168 D01 v03r01.

3.1.2 TEST SETUP
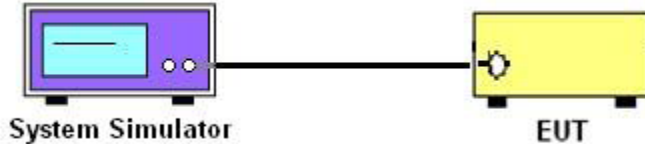
3.1.3 TEST PROCEDURES

1. The transmitter output port was connected to system simulator.

2. Set EUT at maximum power through the system simulator.

3. Select lowest/middle/highest channels for each band and different modulation.

4. Measure and record the power level from the system simulator.

3.1.4 TEST RESULTS

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	20.59	20.25	20.47
1.4	1	2		20.34	19.98	20.2
1.4	1	5		20.12	19.7	19.92
1.4	3	0		19.9	19.41	19.69
1.4	3	1		19.61	19.15	19.47
1.4	3	2		19.31	18.94	19.2
1.4	6	0		19.05	18.68	18.93
1.4	1	0	16-QAM	20.38	20.02	20.17
1.4	1	2		20.15	19.8	19.89
1.4	1	5		19.86	19.53	19.61
1.4	3	0		19.62	19.27	19.4
1.4	3	1		19.39	18.99	19.18
1.4	3	2		19.16	18.72	18.9
1.4	6	0		18.91	18.46	18.69
3	1	0	QPSK	21.18	20.97	21.13
3	1	7		20.92	20.71	20.86
3	1	14		20.72	20.5	20.56
3	8	0		20.49	20.26	20.27
3	8	4		20.21	20.03	20.06
3	8	7		19.98	19.82	19.78
3	15	0		19.77	19.6	19.5
3	1	0	16-QAM	20.94	20.7	20.87
3	1	7		20.7	20.43	20.64
3	1	14		20.44	20.16	20.37
3	8	0		20.2	19.88	20.12
3	8	4		20	19.59	19.91
3	8	7		19.76	19.38	19.7
3	15	0		19.52	19.08	19.5

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.33	22.18	22.09
5	1	12		22.08	21.89	21.88
5	1	24		21.79	21.62	21.65
5	12	0		21.51	21.37	21.38
5	12	6		21.27	21.1	21.15
5	12	11		21.01	20.85	20.91
5	25	0		20.73	20.57	20.69
5	1	0	16-QAM	22.08	21.93	21.89
5	1	12		21.8	21.7	21.68
5	1	24		21.58	21.48	21.44
5	12	0		21.3	21.22	21.19
5	12	6		21.08	20.96	20.95
5	12	11		20.88	20.68	20.68
5	25	0		20.59	20.39	20.4
10	1	0	QPSK	21.56	21.51	21.41
10	1	24		21.28	21.27	21.17
10	1	49		21	21.03	20.89
10	25	0		20.78	20.79	20.61
10	25	12		20.53	20.52	20.38
10	25	24		20.28	20.25	20.15
10	50	0		20.03	19.98	19.95
10	1	0	16-QAM	21.29	21.23	21.21
10	1	24		21.08	21.01	20.96
10	1	49		20.81	20.72	20.69
10	25	0		20.6	20.45	20.44
10	25	12		20.32	20.23	20.23
10	25	24		20.09	19.96	19.96
10	50	0		19.8	19.69	19.71

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	20.59	20.11	20.06
15	1	37		20.32	19.88	19.85
15	1	74		20.1	19.64	19.64
15	36	0		19.84	19.35	19.37
15	36	18		19.63	19.11	19.12
15	36	39		19.34	18.89	18.9
15	75	0		19.06	18.61	18.64
15	1	0	16-QAM	20.36	19.87	19.79
15	1	38		20.13	19.63	19.54
15	1	75		19.86	19.39	19.28
15	36	0		19.57	19.17	19
15	36	18		19.34	18.87	18.77
15	36	39		19.13	18.6	18.56
15	75	0		18.88	18.39	18.32
20	1	0	QPSK	22.45	22.59	22.52
20	1	49		22.19	22.38	22.26
20	1	99		21.89	22.12	21.99
20	50	0		21.63	21.84	21.79
20	50	24		21.36	21.54	21.57
20	50	49		21.1	21.32	21.32
20	100	0		20.86	21.04	21.08
20	1	0	16-QAM	22.18	22.29	22.23
20	1	49		21.94	22.03	21.99
20	1	99		21.65	21.79	21.78
20	50	0		21.36	21.56	21.52
20	50	24		21.1	21.29	21.25
20	50	49		20.85	21.05	20.99
20	100	0		20.61	20.78	20.71

BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
LTE Band 4 Maximum Average Power [dBm]						
1.4	1	0	QPSK	20.79	21.01	20.9
1.4	1	2		20.57	20.76	20.63
1.4	1	5		20.32	20.49	20.39
1.4	3	0		20.05	20.28	20.11
1.4	3	1		19.84	20.08	19.82
1.4	3	2		19.56	19.81	19.55
1.4	6	0		19.33	19.56	19.25
1.4	1	0	16-QAM	20.56	20.78	20.63
1.4	1	2		20.32	20.52	20.4
1.4	1	5		20.11	20.25	20.17
1.4	3	0		19.85	20	19.92
1.4	3	1		19.57	19.78	19.71
1.4	3	2		19.36	19.52	19.47
1.4	6	0		19.16	19.3	19.24
3	1	0	QPSK	21.58	21.49	21.38
3	1	7		21.37	21.23	21.14
3	1	14		21.15	21.02	20.85
3	8	0		20.88	20.72	20.64
3	8	4		20.63	20.44	20.42
3	8	7		20.39	20.19	20.13
3	15	0		20.18	19.92	19.84
3	1	0	16-QAM	21.35	21.27	21.08
3	1	7		21.09	21.02	20.82
3	1	14		20.87	20.77	20.57
3	8	0		20.61	20.55	20.3
3	8	4		20.33	20.3	20.06
3	8	7		20.09	20.01	19.76
3	15	0		19.88	19.72	19.55

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.72	22.58	22.56
5	1	12		22.47	22.35	22.3
5	1	24		22.22	22.1	22.05
5	12	0		21.93	21.89	21.81
5	12	6		21.68	21.66	21.59
5	12	11		21.39	21.38	21.38
5	25	0		21.14	21.11	21.15
5	1	0	16-QAM	22.43	22.37	22.29
5	1	12		22.17	22.12	22.07
5	1	24		21.91	21.9	21.78
5	12	0		21.64	21.65	21.51
5	12	6		21.35	21.45	21.28
5	12	11		21.09	21.22	20.98
5	25	0		20.83	20.96	20.76
10	1	0	QPSK	22.17	21.95	21.89
10	1	24		21.93	21.67	21.6
10	1	49		21.64	21.39	21.34
10	25	0		21.37	21.19	21.05
10	25	12		21.13	20.96	20.85
10	25	24		20.9	20.72	20.57
10	50	0		20.64	20.47	20.34
10	1	0	16-QAM	21.97	21.7	21.6
10	1	24		21.73	21.44	21.33
10	1	49		21.45	21.2	21.12
10	25	0		21.18	21	20.87
10	25	12		20.9	20.75	20.63
10	25	24		20.6	20.45	20.37
10	50	0		20.32	20.21	20.07

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	21.03	20.81	20.75
15	1	37		20.82	20.55	20.55
15	1	74		20.59	20.31	20.29
15	36	0		20.32	20.07	20.04
15	36	18		20.06	19.86	19.8
15	36	39		19.81	19.58	19.57
15	75	0		19.54	19.31	19.37
15	1	0	16-QAM	20.8	20.6	20.54
15	1	38		20.51	20.4	20.32
15	1	75		20.27	20.19	20.12
15	36	0		20.02	19.99	19.85
15	36	18		19.73	19.76	19.62
15	36	39		19.49	19.49	19.41
15	75	0		19.28	19.28	19.14
20	1	0	QPSK	22.85	22.73	22.62
20	1	49		22.58	22.45	22.32
20	1	99		22.29	22.18	22.05
20	50	0		22.04	21.92	21.82
20	50	24		21.8	21.63	21.54
20	50	49		21.55	21.4	21.29
20	100	0		21.28	21.19	21.05
20	1	0	16-QAM	22.65	22.48	22.34
20	1	49		22.42	22.21	22.1
20	1	99		22.17	21.93	21.82
20	50	0		21.96	21.7	21.61
20	50	24		21.72	21.48	21.41
20	50	49		21.49	21.28	21.13
20	100	0		21.2	21	20.88

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.04	22.13	22
1.4	1	2		21.83	21.87	21.76
1.4	1	5		21.57	21.6	21.5
1.4	3	0		21.28	21.37	21.24
1.4	3	1		21.07	21.07	20.94
1.4	3	2		20.84	20.77	20.71
1.4	6	0		20.56	20.49	20.46
1.4	1	0	16-QAM	21.77	21.85	21.7
1.4	1	2		21.57	21.58	21.43
1.4	1	5		21.37	21.35	21.2
1.4	3	0		21.1	21.06	20.97
1.4	3	1		20.82	20.77	20.72
1.4	3	2		20.57	20.49	20.52
1.4	6	0		20.33	20.24	20.28
3	1	0	QPSK	22.42	22.32	22.57
3	1	7		22.16	22.04	22.36
3	1	14		21.94	21.8	22.08
3	8	0		21.65	21.57	21.79
3	8	4		21.4	21.28	21.49
3	8	7		21.18	20.99	21.23
3	15	0		20.96	20.7	20.95
3	1	0	16-QAM	22.19	22.05	22.29
3	1	7		21.98	21.83	22.09
3	1	14		21.75	21.61	21.87
3	8	0		21.45	21.32	21.62
3	8	4		21.24	21.07	21.33
3	8	7		21.04	20.86	21.08
3	15	0		20.76	20.64	20.82

BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
LTE Band 5 Maximum Average Power [dBm]
5	1	0	QPSK	21.68	21.8	21.88
5	1	12		21.44	21.58	21.66
5	1	24		21.2	21.37	21.38
5	12	0		20.9	21.17	21.12
5	12	6		20.69	20.89	20.87
5	12	11		20.42	20.6	20.62
5	25	0		20.18	20.4	20.32
5	1	0	16-QAM	21.43	21.5	21.61
5	1	12		21.16	21.24	21.35
5	1	24		20.87	20.98	21.08
5	12	0		20.62	20.71	20.86
5	12	6		20.36	20.47	20.59
5	12	11		20.13	20.26	20.37
5	25	0		19.9	20.03	20.15
10	1	0	QPSK	23.1	23.22	23.23
10	1	24		22.87	22.93	23
10	1	49		22.58	22.69	22.74
10	25	0		22.3	22.43	22.49
10	25	12		22.05	22.17	22.28
10	25	24		21.78	21.88	22
10	50	0		21.53	21.67	21.71
10	1	0	16-QAM	22.89	22.94	22.96
10	1	24		22.68	22.69	22.69
10	1	49		22.43	22.48	22.44
10	25	0		22.14	22.23	22.23
10	25	12		21.89	22.02	22.03
10	25	24		21.66	21.75	21.81
10	50	0		21.43	21.51	21.58

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	21.68	21.65	21.62
1.4	1	2		21.45	21.44	21.39
1.4	1	5		21.18	21.16	21.17
1.4	3	0		20.93	20.86	20.92
1.4	3	1		20.72	20.64	20.71
1.4	3	2		20.44	20.37	20.48
1.4	6	0		20.17	20.16	20.22
1.4	1	0	16-QAM	21.46	21.37	21.39
1.4	1	2		21.24	21.09	21.13
1.4	1	5		20.98	20.8	20.85
1.4	3	0		20.72	20.57	20.63
1.4	3	1		20.49	20.35	20.4
1.4	3	2		20.26	20.06	20.13
1.4	6	0		20.06	19.76	19.85
3	1	0	QPSK	22.24	22.18	22.15
3	1	7		22.02	21.93	21.95
3	1	14		21.81	21.69	21.69
3	8	0		21.52	21.47	21.39
3	8	4		21.3	21.19	21.19
3	8	7		21.07	20.94	20.9
3	15	0		20.82	20.73	20.62
3	1	0	16-QAM	21.95	21.96	21.91
3	1	7		21.67	21.7	21.69
3	1	14		21.44	21.45	21.4
3	8	0		21.23	21.17	21.16
3	8	4		21.02	20.93	20.93
3	8	7		20.8	20.64	20.67
3	15	0		20.59	20.42	20.42

| LTE Band 12 Maximum Average Power [dBm] |
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.4	22.36	22.38
5	1	12		22.19	22.08	22.11
5	1	24		21.96	21.8	21.91
5	12	0		21.75	21.56	21.63
5	12	6		21.52	21.35	21.4
5	12	11		21.25	21.05	21.18
5	25	0		21.01	20.84	20.96
5	1	0	16-QAM	22.17	22.07	22.11
5	1	12		21.89	21.8	21.84
5	1	24		21.67	21.51	21.62
5	12	0		21.39	21.3	21.4
5	12	6		21.17	21.07	21.14
5	12	11		20.93	20.86	20.84
5	25	0		20.66	20.57	20.57
10	1	0	QPSK	22.81	22.74	22.57
10	1	24		22.52	22.47	22.3
10	1	49		22.23	22.23	22.01
10	25	0		21.97	21.96	21.76
10	25	12		21.75	21.71	21.55
10	25	24		21.49	21.41	21.32
10	50	0		21.26	21.2	21.05
10	1	0	16-QAM	22.57	22.46	22.35
10	1	24		22.36	22.25	22.13
10	1	49		22.07	21.99	21.88
10	25	0		21.78	21.76	21.59
10	25	12		21.55	21.51	21.31
10	25	24		21.3	21.26	21.02
10	50	0		21.04	21.01	20.73

LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.17	22.26	22.44
5	1	12		21.93	21.98	22.22
5	1	24		21.66	21.68	21.94
5	12	0		21.37	21.39	21.67
5	12	6		21.13	21.1	21.45
5	12	11		20.83	20.86	21.16
5	25	0		20.56	20.65	20.91
5	1	0	16-QAM	21.92	22.05	22.16
5	1	12		21.63	21.76	21.87
5	1	24		21.4	21.52	21.63
5	12	0		21.19	21.25	21.41
5	12	6		20.98	21.04	21.19
5	12	11		20.76	20.76	20.98
5	25	0		20.56	20.54	20.71
10	1	0	QPSK	/	22.58	/
10	1	24		/	22.38	/
10	1	49		/	22.13	/
10	25	0		/	21.83	/
10	25	12		/	21.58	/
10	25	24		/	21.32	/
10	50	0		/	21.04	/
10	1	0	16-QAM	/	22.31	/
10	1	24		/	22.08	/
10	1	49		/	21.83	/
10	25	0		/	21.57	/
10	25	12		/	21.3	/
10	25	24		/	21.05	/
10	50	0		/	20.78	/