REPORT No.: SZ22010177W02

TEST REPORT

APPLICANT	:	WIKO SAS
PRODUCT NAME	:	Smart Phone
MODEL NAME	:	W-V673-01
BRAND NAME	:	WIKO
FCC ID	:	2AM86W-V673-01
STANDARD(S)	:	47 CFR Part 22, Subpart H 47 CFR Part 24, Subpart E 47 CFR Part 27, Subpart F&L&M
RECEIPT DATE	:	2022-01-21
TEST DATE	:	2022-01-25 to 2022-02-18
ISSUE DATE	:	2022-02-28

Edited by: Zeng Xiaoying (Rapporteur)

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DIRECTORY

Change History		
Version	Date	Reason for change
1.0	2022-02-28	First edition

1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	WIKO SAS
Applicant Address:	132, Boulevard Michelet - 13008 Marseille - France
Manufacturer:	WIKO SAS
Manufacturer Address:	132, Boulevard Michelet - 13008 Marseille - France

1.2. Equipment Under Test (EUT) Description

Product Name:	Smart Phone	
Sample No.:	18#	
Hardware Version:	M6101_MB_P1	
Software Version:	W-V673-V01	
Modulation Type:	QPSK, 16QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 13 / 26 / 38 / 66	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
	LTE Band 26	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 38	Tx: 2570MHz–2620MHz
		Rx: 2570MHz–2620MHz
	LTE Band 66	Tx: 1710MHz–1780MHz
		Rx: 2110MHz–2200MHz

Channel 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 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 13	5 MHz, 10MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	Fixed Internal Antenna	
Antenna Gain:	LTE Band 2	-3.0dBi
	LTE Band 4	-2.4dBi
	LTE Band 5	-3.2dBi
	LTE Band 7	-0.4dBi
	LTE Band 13	-3.4dBi
	LTE Band 26	-3.8dBi
	LTE Band 38	-0.4dBi
	LTE Band 66	-2.4dBi
Accessory Information:	Battery 1	
	Brand Name:	N/A
	Model No.:	HB496590EFW-F
	Serial No.:	N/A
	Capacity:	4900mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Dongguan NVT Technology Co., Ltd.
	Battery 2	
	Brand Name:	N/A
	Model No.:	HB496590EFW-F
	Serial No.:	N/A
	Capacity:	4900mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	SCUD (Fujian) Electronics Co., Ltd.

Accessory Information:	AC Adapter 1	
	Brand Name:	WIKO
	Model No.:	S050200U02
	Serial No.:	N/A
	Rated Output:	5.0V⎓2.0A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	HUIZHOU BYD ELECTRONIC CO., LTD.
	AC Adapter 2	
	Brand Name:	WIKO
	Model No.:	S050200U02
	Serial No.:	N/A
	Rated Output:	5.0V⎓2.0A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	Shenzhen Huntkey Electric Co., Ltd.
	AC Adapter 3	
	Brand Name:	WIKO
	Model No.:	S050200E02
	Serial No.:	N/A
	Rated Output:	5.0V⎓2.0A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	HUIZHOU BYD ELECTRONIC CO., LTD.
	AC Adapter 4	
	Brand Name:	WIKO
	Model No.:	S050200B02
	Serial No.:	N/A
	Rated Output:	5.0V⎓2.0A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	HUIZHOU BYD ELECTRONIC CO., LTD.
	AC Adapter 5	
	Brand Name:	WIKO
	Model No.:	S050200E02
	Serial No.:	N/A
	Rated Output:	5.0V⎓2.0A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	Shenzhen Huntkey Electric Co., Ltd.

Accessory Information:	AC Adapter 6	
	Brand Name:	WIKO
	Model No.:	S050200B02
	Serial No.:	N/A
	Rated Output:	5.0V⎓2.0A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	Shenzhen Huntkey Electric Co., Ltd.
	USB Cable 1	
	Model No.:	CUDU01B-HC295-EH
	Manufacturer:	FUYU ELECTRONICAL TECHNOLOGY (HUAIAN) CO., LTD.
	USB Cable 2	
	Model No.:	L99UC131-CS-H
	Manufacturer:	LUXSHARE PRECISION INDUSTRY CO., LTD.
	USB Cable 3	
	Model No.:	WA0072
	Manufacturer:	NINGBO BROAD TELECOMMUNICATION CO., LTD.

Note 1: SIM 1 and SIM 2 is a chipset unit and tested as a single chipset. The SIM 1 is chosen for test.

Note 2: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

1.3. Maximum E.R.P./E.I.R.P. and Emission Designator

LTE Band 2	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.100	0.086	18M0G7D	18M0W7D
15	0.100	0.085	13M5G7D	13M5W7D
10	0.100	0.088	9M01G7D	8M99W7D
5	0.098	0.084	4M50G7D	4M51W7D
3	0.098	0.084	2M69G7D	2M69W7D
1.4	0.099	0.084	1M10G7D	1M10W7D
LTE Band 4	**Maximum E.R.P./E.I.R.P. (W)**		**Emission Designator (99%OBW)**	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.114	0.097	18M0G7D	18M0W7D
15	0.114	0.100	13M5G7D	13M5W7D
10	0.115	0.100	9M00G7D	8M97W7D
5	0.114	0.099	4M50G7D	4M51W7D
3	0.114	0.097	2M69G7D	2M70W7D
1.4	0.114	0.101	1M09G7D	1M10W7D
LTE Band 5	**Maximum E.R.P./E.I.R.P. (W)**		**Emission Designator (99%OBW)**	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
10	0.066	0.057	9M00G7D	8M98W7D
5	0.065	0.058	4M50G7D	4M50W7D
3	0.064	0.061	2M69G7D	2M72W7D
1.4	0.065	0.062	1M11G7D	1M12W7D
LTE Band 7	**Maximum E.R.P./E.I.R.P. (W)**		**Emission Designator (99%OBW)**	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.185	0.154	18M0G7D	18M0W7D
15	0.172	0.144	13M5G7D	13M5W7D
10	0.179	0.161	8M99G7D	8M98W7D
5	0.186	0.162	4M50G7D	4M51W7D
LTE Band 13	**Maximum E.R.P./E.I.R.P. (W)**		**Emission Designator (99%OBW)**	
BW(MHz)	QPSK	16QAM	BW(MHz)	QPSK
10	0.062	0.056	9M04G7D	9M00W7D
5	0.061	0.055	4M53G7D	4M52W7D

LTE Band 26	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
15	0.057	0.045	13M5G7D	13M5W7D
10	0.056	0.051	9M00G7D	8M97W7D
5	0.053	0.047	4M50G7D	4M50W7D
3	0.053	0.047	2M69G7D	2M69W7D
1.4	0.052	0.047	1M10G7D	1M10W7D
LTE Band 38	**Maximum E.R.P./E.I.R.P. (W)**		**Emission Designator (99%OBW)**	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.206	0.171	18M0G7D	18M0W7D
15	0.198	0.171	13M5G7D	13M5W7D
10	0.200	0.175	8M97G7D	8M98W7D
5	0.200	0.171	4M50G7D	4M50W7D
LTE Band 66	**Maximum E.R.P./E.I.R.P. (W)**		**Emission Designator (99%OBW)**	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.114	0.097	18M0G7D	18M0W7D
15	0.111	0.094	13M5G7D	13M5W7D
10	0.113	0.097	9M03G7D	8M98W7D
5	0.111	0.093	4M52G7D	4M52W7D
3	0.113	0.097	2M69G7D	2M69W7D
1.4	0.112	0.097	1M10G7D	1M10W7D

1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24, Part 27 for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22	Public Mobile Services
3	47 CFR Part 24	Personal Communications Services
4	47 CFR Part 27	Miscellaneous Wireless Communications Services

Test detailed items/section required by FCC rules and results are as below:

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(b)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Feb 09&22, 2022	Tan Xiaowei Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Jan 27, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Feb 17, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Jan 27, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Jan 27, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(h)	Band Edge	Jan 27, 2022	Li Huaijie	PASS	No deviation

27.53(m)(4)					
2.1051 22.917(a) 24.238(a) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Feb 16&18, 2022	Yang Lian	PASS	No deviation

Note 1: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.

Note 2: The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipments. The ref offset 24.5dB contains two parts that cable loss 14.5dB and Attenuator 10dB.

Note 3: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 4: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

1.5. Environmental Conditions

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

Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106

2. 47 CFR Part 2, Part 22H, Part 24E, Part 27F&L&M Requirements

2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P.

2.1.1. Requirement

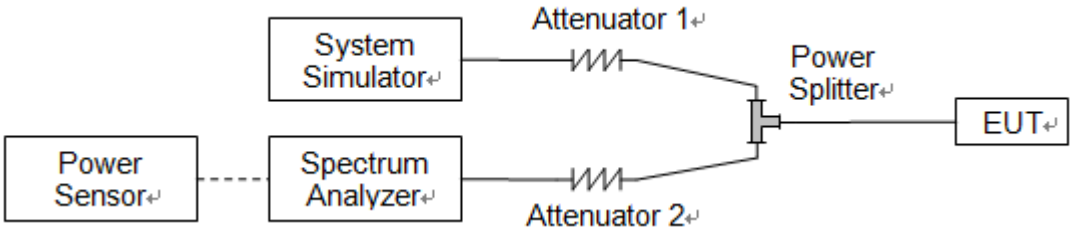
According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 24.232 (c) for LTE Band 2, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.
According to FCC section22.913 (a)(2) for LTE Band 5/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for LTE Band 7/38, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 27.50 (b)(10) for LTE Band 13, Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts E.R.P.

2.1.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.1.3. Test Procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

E.I.R.P. (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)
E.R.P. (dBm) = E.I.R.P. (dBm) - 2.15

2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	22.93	23.02	22.96
20	QPSK	1	49	22.86	22.85	22.92
20	QPSK	1	99	22.72	22.68	22.73
20	QPSK	50	0	21.84	22.01	21.88
20	QPSK	50	24	21.76	21.83	21.80
20	QPSK	50	50	21.80	21.74	21.89
20	QPSK	100	0	21.77	21.89	21.81
20	16QAM	1	0	22.25	22.32	22.29
20	16QAM	1	49	22.12	22.02	22.18
20	16QAM	1	99	22.01	22.06	22.21
20	16QAM	50	0	21.55	21.50	21.59
20	16QAM	50	24	21.57	21.66	21.72
20	16QAM	50	50	21.57	21.63	21.69
20	16QAM	100	0	21.60	21.68	21.62

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.62	23.02	22.69
15	QPSK	1	37	22.67	22.84	22.79
15	QPSK	1	74	22.62	22.70	22.74
15	QPSK	36	0	21.65	22.00	21.78
15	QPSK	36	20	21.74	21.87	21.76
15	QPSK	36	39	21.82	21.79	21.87
15	QPSK	75	0	21.82	21.88	21.85
15	16QAM	1	0	22.21	22.28	22.18
15	16QAM	1	37	22.08	21.98	22.14
15	16QAM	1	74	21.97	22.02	22.17
15	16QAM	36	0	21.61	21.55	21.67
15	16QAM	36	20	21.60	21.70	21.68
15	16QAM	36	39	21.59	21.58	21.73
15	16QAM	75	0	21.52	21.60	21.67

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.77	23.00	22.96
10	QPSK	1	25	22.69	22.82	22.99
10	QPSK	1	49	22.73	22.73	22.78
10	QPSK	25	0	21.83	21.94	21.90
10	QPSK	25	12	21.91	21.87	21.90
10	QPSK	25	25	21.89	21.95	21.95
10	QPSK	50	0	21.91	21.93	21.87
10	16QAM	1	0	22.09	22.42	22.25
10	16QAM	1	25	22.39	22.26	22.25
10	16QAM	1	49	22.19	22.44	22.43
10	16QAM	25	0	20.88	20.92	21.01
10	16QAM	25	12	21.72	21.79	21.98
10	16QAM	25	25	21.76	21.67	21.86
10	16QAM	50	0	21.69	21.76	21.81

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.67	22.93	22.88
5	QPSK	1	12	22.65	22.77	22.84
5	QPSK	1	24	22.64	22.60	22.65
5	QPSK	12	0	21.76	21.93	21.80
5	QPSK	12	7	21.68	21.85	21.82
5	QPSK	12	13	21.72	21.83	21.81
5	QPSK	25	0	21.69	21.81	21.73
5	16QAM	1	0	22.17	22.24	22.21
5	16QAM	1	12	22.04	21.94	22.10
5	16QAM	1	24	21.93	21.98	22.13
5	16QAM	12	0	21.67	21.62	21.71
5	16QAM	12	7	21.69	21.78	21.84
5	16QAM	12	13	21.69	21.75	21.81
5	16QAM	25	0	21.72	21.80	21.74

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.66	22.92	22.87
3	QPSK	1	8	22.64	22.76	22.83
3	QPSK	1	14	22.63	22.59	22.64
3	QPSK	8	0	21.75	21.92	21.79
3	QPSK	8	4	21.67	21.74	21.71
3	QPSK	8	7	21.71	21.65	21.8
3	QPSK	15	0	21.68	21.7	21.72
3	16QAM	1	0	22.16	22.23	22.2
3	16QAM	1	8	22.03	21.93	22.09
3	16QAM	1	14	21.92	21.97	22.12
3	16QAM	8	0	21.56	21.51	21.6
3	16QAM	8	4	21.58	21.67	21.73
3	16QAM	8	7	21.58	21.64	21.7
3	16QAM	15	0	21.61	21.69	21.63

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.81	22.95	22.90
1.4	QPSK	1	3	22.77	22.79	22.86
1.4	QPSK	1	5	22.69	22.62	22.67
1.4	QPSK	3	0	21.78	21.95	21.82
1.4	QPSK	3	1	21.70	21.77	21.74
1.4	QPSK	3	3	21.74	21.68	21.83
1.4	QPSK	6	0	21.71	21.73	21.75
1.4	16QAM	1	0	22.19	22.26	22.23
1.4	16QAM	1	3	22.06	21.96	22.12
1.4	16QAM	1	5	21.95	22.00	22.15
1.4	16QAM	3	0	21.59	21.54	21.63
1.4	16QAM	3	1	21.61	21.70	21.76
1.4	16QAM	3	3	21.61	21.67	21.73
1.4	16QAM	6	0	21.54	21.62	21.56

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.91	22.97	22.94
20	QPSK	1	49	22.80	22.90	22.88
20	QPSK	1	99	22.86	22.82	22.84
20	QPSK	50	0	21.86	22.05	21.89
20	QPSK	50	24	21.85	21.88	21.83
20	QPSK	50	50	21.80	21.69	21.86
20	QPSK	100	0	21.87	21.94	21.83
20	16QAM	1	0	22.18	22.29	22.08
20	16QAM	1	49	22.17	22.18	22.05
20	16QAM	1	99	22.03	22.07	22.03
20	16QAM	50	0	21.51	21.63	21.61
20	16QAM	50	24	21.72	21.68	21.73
20	16QAM	50	50	21.61	21.57	21.64
20	16QAM	100	0	21.72	21.55	21.56

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.72	22.98	22.90
15	QPSK	1	37	22.79	22.87	22.79
15	QPSK	1	74	22.58	22.72	22.59
15	QPSK	36	0	21.77	21.93	21.85
15	QPSK	36	20	21.91	21.89	22.06
15	QPSK	36	39	21.81	21.72	21.76
15	QPSK	75	0	21.88	21.96	21.81
15	16QAM	1	0	22.02	21.92	22.39
15	16QAM	1	37	22.04	21.93	22.27
15	16QAM	1	74	21.92	21.97	22.16
15	16QAM	36	0	21.62	21.66	21.67
15	16QAM	36	20	21.68	21.66	21.67
15	16QAM	36	39	21.75	21.69	21.49
15	16QAM	75	0	21.63	21.62	21.69

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.88	22.99	22.90
10	QPSK	1	25	22.92	22.95	22.86
10	QPSK	1	49	22.88	22.89	22.82
10	QPSK	25	0	22.02	21.94	22.03
10	QPSK	25	12	22.01	22.07	21.96
10	QPSK	25	25	21.90	22.02	21.94
10	QPSK	50	0	21.94	21.91	21.96
10	16QAM	1	0	22.08	22.38	22.17
10	16QAM	1	25	21.99	22.16	21.93
10	16QAM	1	49	22.03	22.38	22.17
10	16QAM	25	0	21.89	21.77	21.80
10	16QAM	25	12	21.84	21.86	21.77
10	16QAM	25	25	21.82	21.68	21.82
10	16QAM	50	0	21.93	21.92	21.87

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.88	22.97	22.88
5	QPSK	1	12	22.90	22.89	22.95
5	QPSK	1	24	22.85	22.83	22.80
5	QPSK	12	0	21.98	22.01	21.97
5	QPSK	12	7	22.00	22.00	21.94
5	QPSK	12	13	21.94	21.96	22.03
5	QPSK	25	0	22.03	21.97	21.90
5	16QAM	1	0	22.18	21.99	22.19
5	16QAM	1	12	22.17	22.06	21.95
5	16QAM	1	24	22.36	22.31	22.17
5	16QAM	12	0	21.84	21.81	21.74
5	16QAM	12	7	21.86	21.94	21.80
5	16QAM	12	13	21.83	21.76	21.78
5	16QAM	25	0	21.80	21.71	21.69

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.90	22.94	22.87
3	QPSK	1	8	22.96	22.86	22.82
3	QPSK	1	14	22.82	22.91	22.77
3	QPSK	8	0	21.94	21.96	21.93
3	QPSK	8	4	21.98	21.88	21.99
3	QPSK	8	7	21.96	22.09	21.88
3	QPSK	15	0	21.94	21.99	21.99
3	16QAM	1	0	22.22	22.25	22.02
3	16QAM	1	8	22.18	22.23	21.98
3	16QAM	1	14	22.28	21.96	22.13
3	16QAM	8	0	21.78	21.92	21.78
3	16QAM	8	4	21.76	21.95	21.76
3	16QAM	8	7	21.79	21.84	21.73
3	16QAM	15	0	21.84	21.79	21.72

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.85	22.92	22.67
1.4	QPSK	1	3	22.80	22.79	22.76
1.4	QPSK	1	5	22.80	22.78	22.69
1.4	QPSK	3	0	22.83	22.95	22.65
1.4	QPSK	3	1	22.88	22.91	22.93
1.4	QPSK	3	3	22.77	22.98	22.79
1.4	QPSK	6	0	21.89	21.93	21.80
1.4	16QAM	1	0	22.31	22.43	22.14
1.4	16QAM	1	3	22.26	22.42	22.04
1.4	16QAM	1	5	21.98	22.45	22.26
1.4	16QAM	3	0	22.06	21.91	22.00
1.4	16QAM	3	1	21.97	22.15	21.91
1.4	16QAM	3	3	22.19	21.99	22.01
1.4	16QAM	6	0	21.79	21.94	21.57

LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.42	23.53	23.47
10	QPSK	1	25	23.39	23.47	23.35
10	QPSK	1	49	23.25	23.28	23.15
10	QPSK	25	0	22.27	22.46	22.34
10	QPSK	25	12	22.40	22.31	22.28
10	QPSK	25	25	22.42	22.36	22.43
10	QPSK	50	0	22.32	22.42	22.25
10	16QAM	1	0	22.87	22.88	22.77
10	16QAM	1	25	22.87	22.59	22.56
10	16QAM	1	49	22.59	22.65	22.70
10	16QAM	25	0	22.04	21.97	21.94
10	16QAM	25	12	22.12	22.02	22.06
10	16QAM	25	25	22.01	22.01	22.01
10	16QAM	50	0	22.13	22.00	22.00

LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.40	23.46	23.38
5	QPSK	1	12	23.33	23.42	23.43
5	QPSK	1	24	23.34	23.37	23.34
5	QPSK	12	0	22.33	22.41	22.43
5	QPSK	12	7	22.37	22.37	22.44
5	QPSK	12	13	22.43	22.41	22.46
5	QPSK	25	0	22.43	22.34	22.47
5	16QAM	1	0	22.97	22.48	22.87
5	16QAM	1	12	22.74	22.35	22.93
5	16QAM	1	24	22.71	22.83	22.13
5	16QAM	12	0	21.99	21.90	22.08
5	16QAM	12	7	22.21	22.03	22.19
5	16QAM	12	13	22.12	22.13	22.10
5	16QAM	25	0	22.01	22.06	22.04

LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.36	23.44	23.33
3	QPSK	1	8	23.24	23.41	23.37
3	QPSK	1	14	23.28	23.40	23.28
3	QPSK	8	0	22.40	22.35	22.42
3	QPSK	8	4	22.43	22.49	22.46
3	QPSK	8	7	22.39	22.44	22.43
3	QPSK	15	0	22.39	22.34	22.49
3	16QAM	1	0	22.66	23.21	22.93
3	16QAM	1	8	22.74	22.52	22.66
3	16QAM	1	14	22.29	22.53	22.54
3	16QAM	8	0	22.21	22.15	22.11
3	16QAM	8	4	22.23	22.29	22.26
3	16QAM	8	7	22.23	22.17	22.16
3	16QAM	15	0	21.97	22.13	22.16

LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.42	23.45	23.41
1.4	QPSK	1	3	23.27	23.30	23.42
1.4	QPSK	1	5	23.28	23.33	23.37
1.4	QPSK	3	0	23.37	23.31	23.38
1.4	QPSK	3	1	23.35	23.42	23.37
1.4	QPSK	3	3	23.35	23.34	23.36
1.4	QPSK	6	0	22.32	22.34	22.27
1.4	16QAM	1	0	22.59	22.88	22.83
1.4	16QAM	1	3	23.10	22.63	22.53
1.4	16QAM	1	5	22.74	22.91	22.50
1.4	16QAM	3	0	23.27	23.18	23.11
1.4	16QAM	3	1	23.18	23.01	23.13
1.4	16QAM	3	3	23.19	23.24	22.99
1.4	16QAM	6	0	22.10	22.15	22.14

LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	22.96	23.06	22.91
20	QPSK	1	49	22.91	22.98	22.88
20	QPSK	1	99	22.85	22.86	22.88
20	QPSK	50	0	21.71	21.93	21.66
20	QPSK	50	24	21.87	21.81	21.71
20	QPSK	50	50	21.80	21.86	21.79
20	QPSK	100	0	21.83	21.89	21.78
20	16QAM	1	0	22.04	22.14	22.27
20	16QAM	1	49	22.01	22.12	22.13
20	16QAM	1	99	21.94	22.20	22.03
20	16QAM	50	0	21.50	21.43	21.50
20	16QAM	50	24	21.51	21.52	21.33
20	16QAM	50	50	21.58	21.51	21.52
20	16QAM	100	0	21.46	21.48	21.46

LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.62	22.75	22.66
15	QPSK	1	37	22.57	22.59	22.56
15	QPSK	1	74	22.57	22.64	22.60
15	QPSK	36	0	21.75	21.86	21.66
15	QPSK	36	20	21.64	21.67	21.70
15	QPSK	36	39	21.68	21.74	21.67
15	QPSK	75	0	21.70	21.91	21.67
15	16QAM	1	0	21.83	21.75	21.64
15	16QAM	1	37	21.75	21.87	21.60
15	16QAM	1	74	22.00	21.70	21.78
15	16QAM	36	0	21.27	21.43	21.37
15	16QAM	36	20	21.46	21.34	21.40
15	16QAM	36	39	21.37	21.43	21.44
15	16QAM	75	0	21.44	21.38	21.28

LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.78	22.94	22.82
10	QPSK	1	25	22.80	22.82	22.83
10	QPSK	1	49	22.88	22.91	22.90
10	QPSK	25	0	21.75	21.88	21.84
10	QPSK	25	12	21.96	21.83	21.92
10	QPSK	25	25	21.81	21.92	21.97
10	QPSK	50	0	21.91	21.79	22.00
10	16QAM	1	0	22.26	22.26	22.10
10	16QAM	1	25	22.27	22.48	22.38
10	16QAM	1	49	22.41	22.37	22.42
10	16QAM	25	0	21.47	21.48	21.58
10	16QAM	25	12	21.62	21.61	21.57
10	16QAM	25	25	21.65	21.55	21.70
10	16QAM	50	0	21.59	21.54	21.64

LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.86	23.10	22.88
5	QPSK	1	12	23.04	23.05	22.84
5	QPSK	1	24	22.92	23.05	23.06
5	QPSK	12	0	21.97	21.93	21.84
5	QPSK	12	7	22.00	22.10	22.08
5	QPSK	12	13	22.10	22.05	22.08
5	QPSK	25	0	22.04	22.00	21.98
5	16QAM	1	0	22.14	22.01	22.24
5	16QAM	1	12	22.21	22.10	22.38
5	16QAM	1	24	22.51	22.43	22.13
5	16QAM	12	0	21.47	21.27	21.39
5	16QAM	12	7	21.51	21.61	21.32
5	16QAM	12	13	21.44	21.56	21.50
5	16QAM	25	0	21.42	21.38	21.49

LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	23.48	/
10	QPSK	1	25	/	23.44	/
10	QPSK	1	49	/	23.22	/
10	QPSK	25	0	/	22.51	/
10	QPSK	25	12	/	22.48	/
10	QPSK	25	25	/	22.43	/
10	QPSK	50	0	/	22.46	/
10	16QAM	1	0	/	23.02	/
10	16QAM	1	25	/	22.77	/
10	16QAM	1	49	/	22.72	/
10	16QAM	25	0	/	22.37	/
10	16QAM	25	12	/	22.20	/
10	16QAM	25	25	/	22.30	/
10	16QAM	50	0	/	22.21	/

LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	23.25	23.37	23.35
5	QPSK	1	12	23.29	23.35	23.30
5	QPSK	1	24	23.25	23.27	23.34
5	QPSK	12	0	22.27	22.35	22.30
5	QPSK	12	7	22.37	22.25	22.40
5	QPSK	12	13	22.34	22.35	22.38
5	QPSK	25	0	22.30	22.31	22.35
5	16QAM	1	0	22.65	22.46	22.92
5	16QAM	1	12	22.77	22.75	22.93
5	16QAM	1	24	22.55	22.71	22.52
5	16QAM	12	0	22.29	22.28	22.25
5	16QAM	12	7	22.22	22.10	22.35
5	16QAM	12	13	22.25	22.26	22.23
5	16QAM	25	0	22.44	22.14	22.27

LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	23.53	23.49	23.40
15	QPSK	1	37	23.33	23.22	23.27
15	QPSK	1	74	23.33	23.32	23.22
15	QPSK	36	0	22.45	22.42	22.37
15	QPSK	36	20	22.39	22.30	22.37
15	QPSK	36	39	22.47	22.45	22.46
15	QPSK	75	0	22.47	22.44	22.44
15	16QAM	1	0	22.51	22.48	22.24
15	16QAM	1	37	22.39	22.31	22.23
15	16QAM	1	74	22.48	22.38	22.25
15	16QAM	36	0	21.59	21.48	21.52
15	16QAM	36	20	21.51	21.45	21.38
15	16QAM	36	39	21.45	21.33	21.53
15	16QAM	75	0	21.43	21.39	21.56

LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26840	26915	26990
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.14	23.18	23.23
10	QPSK	1	25	23.29	23.38	23.41
10	QPSK	1	49	23.22	23.14	23.23
10	QPSK	25	0	22.14	22.21	22.25
10	QPSK	25	12	22.23	22.19	22.25
10	QPSK	25	25	22.10	22.13	22.20
10	QPSK	50	0	22.21	22.22	22.27
10	16QAM	1	0	22.97	22.89	23.00
10	16QAM	1	25	22.75	22.76	22.79
10	16QAM	1	49	22.63	22.62	22.69
10	16QAM	25	0	21.08	21.05	21.15
10	16QAM	25	12	21.25	21.17	21.28
10	16QAM	25	25	21.18	21.23	21.28
10	16QAM	50	0	21.20	21.21	21.28

LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26815	26915	27015
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.14	23.16	23.20
5	QPSK	1	12	23.10	23.08	23.14
5	QPSK	1	24	23.17	23.06	23.18
5	QPSK	12	0	22.10	22.10	22.12
5	QPSK	12	7	22.21	22.24	22.29
5	QPSK	12	13	22.08	22.16	22.18
5	QPSK	25	0	22.04	22.10	22.15
5	16QAM	1	0	22.64	22.63	22.65
5	16QAM	1	12	22.32	22.27	22.37
5	16QAM	1	24	22.39	22.40	22.44
5	16QAM	12	0	21.17	21.19	21.28
5	16QAM	12	7	21.22	21.21	21.25
5	16QAM	12	13	21.17	21.13	21.25
5	16QAM	25	0	21.05	21.02	21.08

LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26805	26915	27025
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.04	23.05	23.09
3	QPSK	1	8	23.18	23.13	23.20
3	QPSK	1	14	23.01	23.00	23.12
3	QPSK	8	0	22.06	22.06	22.17
3	QPSK	8	4	22.28	22.25	22.32
3	QPSK	8	7	22.08	22.11	22.16
3	QPSK	15	0	22.24	22.28	22.29
3	16QAM	1	0	22.58	22.57	22.68
3	16QAM	1	8	22.53	22.49	22.54
3	16QAM	1	14	22.41	22.39	22.44
3	16QAM	8	0	21.17	21.22	21.23
3	16QAM	8	4	21.19	21.09	21.20
3	16QAM	8	7	21.31	21.37	21.40
3	16QAM	15	0	21.36	21.37	21.38

LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26797	26915	27033
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.96	22.99	23.04
1.4	QPSK	1	3	23.08	23.08	23.15
1.4	QPSK	1	5	22.98	22.95	23.07
1.4	QPSK	3	0	22.06	22.06	22.12
1.4	QPSK	3	1	22.19	22.21	22.27
1.4	QPSK	3	3	22.01	22.08	22.11
1.4	QPSK	6	0	22.16	22.13	22.24
1.4	16QAM	1	0	22.62	22.62	22.63
1.4	16QAM	1	3	22.46	22.46	22.49
1.4	16QAM	1	5	22.29	22.33	22.39
1.4	16QAM	3	0	21.12	21.16	21.18
1.4	16QAM	3	1	21.05	21.07	21.15
1.4	16QAM	3	3	21.26	21.32	21.35
1.4	16QAM	6	0	21.22	21.32	21.33

LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	23.47	23.53	23.48
20	QPSK	1	49	23.19	23.29	23.33
20	QPSK	1	99	23.31	23.41	23.25
20	QPSK	50	0	22.45	22.47	22.43
20	QPSK	50	24	22.39	22.40	22.39
20	QPSK	50	50	22.41	22.38	22.35
20	QPSK	100	0	22.42	22.52	22.45
20	16QAM	1	0	22.43	22.68	22.52
20	16QAM	1	49	22.36	22.65	22.74
20	16QAM	1	99	22.26	22.27	22.25
20	16QAM	50	0	21.21	21.25	21.14
20	16QAM	50	24	21.33	21.33	21.27
20	16QAM	50	50	21.17	21.31	21.23
20	16QAM	100	0	21.28	21.14	21.30

LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	23.07	23.36	23.24
15	QPSK	1	37	23.20	23.21	23.22
15	QPSK	1	74	23.05	23.14	23.14
15	QPSK	36	0	22.06	22.18	22.17
15	QPSK	36	20	22.24	22.27	22.24
15	QPSK	36	39	22.13	22.24	22.11
15	QPSK	75	0	22.22	22.18	22.09
15	16QAM	1	0	22.50	22.52	22.26
15	16QAM	1	37	22.47	22.52	22.74
15	16QAM	1	74	22.24	22.66	22.39
15	16QAM	36	0	21.05	21.23	21.12
15	16QAM	36	20	21.28	21.19	21.24
15	16QAM	36	39	21.18	21.32	21.20
15	16QAM	75	0	21.16	21.23	21.18

LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	23.10	23.41	23.33
10	QPSK	1	25	23.37	23.36	23.32
10	QPSK	1	49	23.29	23.37	23.33
10	QPSK	25	0	22.75	22.47	22.44
10	QPSK	25	12	22.76	22.45	22.51
10	QPSK	25	25	22.35	22.38	22.43
10	QPSK	50	0	22.39	22.32	22.39
10	16QAM	1	0	22.69	22.59	22.82
10	16QAM	1	25	22.79	22.60	22.53
10	16QAM	1	49	22.54	22.68	22.62
10	16QAM	25	0	21.50	21.36	21.37
10	16QAM	25	12	21.34	21.37	21.38
10	16QAM	25	25	21.45	21.46	21.41
10	16QAM	50	0	21.36	21.28	21.37

LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	23.29	23.41	23.28
5	QPSK	1	12	23.32	23.33	23.27
5	QPSK	1	24	23.05	23.06	23.32
5	QPSK	12	0	22.12	22.21	22.32
5	QPSK	12	7	22.34	22.32	22.26
5	QPSK	12	13	22.26	22.30	22.24
5	QPSK	25	0	22.25	22.22	22.23
5	16QAM	1	0	22.65	22.48	22.58
5	16QAM	1	12	22.71	22.72	22.73
5	16QAM	1	24	22.47	22.51	22.34
5	16QAM	12	0	21.19	21.30	21.30
5	16QAM	12	7	21.33	21.27	21.34
5	16QAM	12	13	21.32	21.33	21.40
5	16QAM	25	0	21.22	21.32	21.31

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	22.91	22.96	22.93
20	QPSK	1	49	22.81	22.87	22.88
20	QPSK	1	99	22.75	22.77	22.81
20	QPSK	50	0	21.70	21.92	21.66
20	QPSK	50	24	21.75	21.78	21.71
20	QPSK	50	50	21.69	21.75	21.75
20	QPSK	100	0	21.76	21.86	21.66
20	16QAM	1	0	22.09	22.28	21.97
20	16QAM	1	49	21.97	22.10	22.00
20	16QAM	1	99	22.00	22.13	21.90
20	16QAM	50	0	20.67	20.79	20.78
20	16QAM	50	24	20.78	20.75	20.85
20	16QAM	50	50	20.77	20.84	20.64
20	16QAM	100	0	20.76	20.68	20.64

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	22.72	22.87	22.80
15	QPSK	1	37	22.78	22.66	22.75
15	QPSK	1	74	22.58	22.75	22.77
15	QPSK	36	0	21.72	22.04	21.74
15	QPSK	36	20	21.78	21.72	21.83
15	QPSK	36	39	21.78	21.85	21.72
15	QPSK	75	0	21.78	21.86	21.73
15	16QAM	1	0	21.94	22.07	22.14
15	16QAM	1	37	22.03	21.81	22.03
15	16QAM	1	74	21.90	21.84	21.95
15	16QAM	36	0	20.78	20.82	20.60
15	16QAM	36	20	20.82	20.80	20.86
15	16QAM	36	39	20.86	20.92	20.82
15	16QAM	75	0	20.78	20.71	20.85

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	22.71	22.92	22.67
10	QPSK	1	25	22.59	22.57	22.65
10	QPSK	1	49	22.54	22.77	22.62
10	QPSK	25	0	21.70	21.94	21.66
10	QPSK	25	12	21.75	21.78	21.71
10	QPSK	25	25	21.69	21.75	21.75
10	QPSK	50	0	21.76	21.60	21.66
10	16QAM	1	0	22.09	22.28	21.97
10	16QAM	1	25	21.97	22.10	22.00
10	16QAM	1	49	22.00	22.13	21.90
10	16QAM	25	0	20.67	20.79	20.78
10	16QAM	25	12	20.78	20.75	20.85
10	16QAM	25	25	20.77	20.84	20.64
10	16QAM	50	0	20.76	20.68	20.64

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	22.66	22.84	22.74
5	QPSK	1	12	22.72	22.60	22.69
5	QPSK	1	24	22.52	22.69	22.71
5	QPSK	12	0	21.66	21.88	21.68
5	QPSK	12	7	21.72	21.66	21.77
5	QPSK	12	13	21.72	21.79	21.66
5	QPSK	25	0	21.72	21.80	21.67
5	16QAM	1	0	21.88	22.01	22.08
5	16QAM	1	12	21.97	21.75	21.97
5	16QAM	1	24	21.84	21.78	21.89
5	16QAM	12	0	20.72	20.76	20.54
5	16QAM	12	7	20.76	20.74	20.80
5	16QAM	12	13	20.80	20.86	20.76
5	16QAM	25	0	20.72	20.65	20.79

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	22.70	22.91	22.66
3	QPSK	1	8	22.58	22.56	22.64
3	QPSK	1	14	22.53	22.76	22.61
3	QPSK	8	0	21.69	21.71	21.65
3	QPSK	8	4	21.74	21.77	21.70
3	QPSK	8	7	21.68	21.74	21.74
3	QPSK	15	0	21.75	21.59	21.65
3	16QAM	1	0	22.08	22.27	21.96
3	16QAM	1	8	21.96	22.09	21.99
3	16QAM	1	14	21.99	22.12	21.89
3	16QAM	8	0	20.66	20.78	20.77
3	16QAM	8	4	20.77	20.74	20.84
3	16QAM	8	7	20.76	20.83	20.63
3	16QAM	15	0	20.75	20.67	20.63

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	22.68	22.89	22.64
1.4	QPSK	1	3	22.56	22.54	22.62
1.4	QPSK	1	5	22.51	22.74	22.59
1.4	QPSK	3	0	21.67	21.69	21.63
1.4	QPSK	3	1	21.72	21.75	21.68
1.4	QPSK	3	3	21.66	21.72	21.72
1.4	QPSK	6	0	21.73	21.57	21.63
1.4	16QAM	1	0	22.06	22.25	21.94
1.4	16QAM	1	3	21.94	22.07	21.97
1.4	16QAM	1	5	21.97	22.10	21.87
1.4	16QAM	3	0	20.64	20.76	20.75
1.4	16QAM	3	1	20.75	20.72	20.82
1.4	16QAM	3	3	20.74	20.81	20.61
1.4	16QAM	6	0	20.73	20.65	20.61

Effective Radiated Power and Effective Isotropic Radiated Power

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	19.93	0.098	20.02	0.100	19.96	0.099
20	QPSK	1	49	19.86	0.097	19.85	0.097	19.92	0.098
20	QPSK	1	99	19.72	0.094	19.68	0.093	19.73	0.094
20	QPSK	50	0	18.84	0.077	19.01	0.080	18.88	0.077
20	QPSK	50	24	18.76	0.075	18.83	0.076	18.80	0.076
20	QPSK	50	50	18.80	0.076	18.74	0.075	18.89	0.077
20	QPSK	100	0	18.77	0.075	18.89	0.077	18.81	0.076
20	16QAM	1	0	19.25	0.084	19.32	0.086	19.29	0.085
20	16QAM	1	49	19.12	0.082	19.02	0.080	19.18	0.083
20	16QAM	1	99	19.01	0.080	19.06	0.081	19.21	0.083
20	16QAM	50	0	18.55	0.072	18.50	0.071	18.59	0.072
20	16QAM	50	24	18.57	0.072	18.66	0.073	18.72	0.074
20	16QAM	50	50	18.57	0.072	18.63	0.073	18.69	0.074
20	16QAM	100	0	18.60	0.072	18.68	0.074	18.62	0.073

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	19.62	0.092	20.02	0.100	19.69	0.093
15	QPSK	1	37	19.67	0.093	19.84	0.096	19.79	0.095
15	QPSK	1	74	19.62	0.092	19.70	0.093	19.74	0.094
15	QPSK	36	0	18.65	0.073	19.00	0.079	18.78	0.076
15	QPSK	36	20	18.74	0.075	18.87	0.077	18.76	0.075
15	QPSK	36	39	18.82	0.076	18.79	0.076	18.87	0.077
15	QPSK	75	0	18.82	0.076	18.88	0.077	18.85	0.077
15	16QAM	1	0	19.21	0.083	19.28	0.085	19.18	0.083
15	16QAM	1	37	19.08	0.081	18.98	0.079	19.14	0.082
15	16QAM	1	74	18.97	0.079	19.02	0.080	19.17	0.083
15	16QAM	36	0	18.61	0.073	18.55	0.072	18.67	0.074
15	16QAM	36	20	18.60	0.072	18.70	0.074	18.68	0.074
15	16QAM	36	39	18.59	0.072	18.58	0.072	18.73	0.075
15	16QAM	75	0	18.52	0.071	18.60	0.072	18.67	0.074

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.77	0.095	20.00	0.100	19.96	0.099
10	QPSK	1	25	19.69	0.093	19.82	0.096	19.99	0.100
10	QPSK	1	49	19.73	0.094	19.73	0.094	19.78	0.095
10	QPSK	25	0	18.83	0.076	18.94	0.078	18.90	0.078
10	QPSK	25	12	18.91	0.078	18.87	0.077	18.90	0.078
10	QPSK	25	25	18.89	0.077	18.95	0.079	18.95	0.079
10	QPSK	50	0	18.91	0.078	18.93	0.078	18.87	0.077
10	16QAM	1	0	19.09	0.081	19.42	0.088	19.25	0.084
10	16QAM	1	25	19.39	0.087	19.26	0.084	19.25	0.084
10	16QAM	1	49	19.19	0.083	19.44	0.088	19.43	0.088
10	16QAM	25	0	17.88	0.061	17.92	0.062	18.01	0.063
10	16QAM	25	12	18.72	0.074	18.79	0.076	18.98	0.079
10	16QAM	25	25	18.76	0.075	18.67	0.074	18.86	0.077
10	16QAM	50	0	18.69	0.074	18.76	0.075	18.81	0.076

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.67	0.093	19.93	0.098	19.88	0.097
5	QPSK	1	12	19.65	0.092	19.77	0.095	19.84	0.096
5	QPSK	1	24	19.64	0.092	19.60	0.091	19.65	0.092
5	QPSK	12	0	18.76	0.075	18.93	0.078	18.80	0.076
5	QPSK	12	7	18.68	0.074	18.85	0.077	18.82	0.076
5	QPSK	12	13	18.72	0.075	18.83	0.076	18.81	0.076
5	QPSK	25	0	18.69	0.074	18.81	0.076	18.73	0.075
5	16QAM	1	0	19.17	0.083	19.24	0.084	19.21	0.083
5	16QAM	1	12	19.04	0.080	18.94	0.078	19.10	0.081
5	16QAM	1	24	18.93	0.078	18.98	0.079	19.13	0.082
5	16QAM	12	0	18.67	0.074	18.62	0.073	18.71	0.074
5	16QAM	12	7	18.69	0.074	18.78	0.076	18.84	0.077
5	16QAM	12	13	18.69	0.074	18.75	0.075	18.81	0.076
5	16QAM	25	0	18.72	0.075	18.80	0.076	18.74	0.075

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.66	0.092	19.92	0.098	19.87	0.097
3	QPSK	1	8	19.64	0.092	19.76	0.095	19.83	0.096
3	QPSK	1	14	19.63	0.092	19.59	0.091	19.64	0.092
3	QPSK	8	0	18.75	0.075	18.92	0.078	18.79	0.076
3	QPSK	8	4	18.67	0.074	18.74	0.075	18.71	0.074
3	QPSK	8	7	18.71	0.074	18.65	0.073	18.80	0.076
3	QPSK	15	0	18.68	0.074	18.70	0.074	18.72	0.074
3	16QAM	1	0	19.16	0.082	19.23	0.084	19.20	0.083
3	16QAM	1	8	19.03	0.080	18.93	0.078	19.09	0.081
3	16QAM	1	14	18.92	0.078	18.97	0.079	19.12	0.082
3	16QAM	8	0	18.56	0.072	18.51	0.071	18.60	0.072
3	16QAM	8	4	18.58	0.072	18.67	0.074	18.73	0.075
3	16QAM	8	7	18.58	0.072	18.64	0.073	18.70	0.074
3	16QAM	15	0	18.61	0.073	18.69	0.074	18.63	0.073

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.81	0.096	19.95	0.099	19.90	0.098
1.4	QPSK	1	3	19.77	0.095	19.79	0.095	19.86	0.097
1.4	QPSK	1	5	19.69	0.093	19.62	0.092	19.67	0.093
1.4	QPSK	3	0	18.78	0.075	18.95	0.078	18.82	0.076
1.4	QPSK	3	1	18.70	0.074	18.77	0.075	18.74	0.075
1.4	QPSK	3	3	18.74	0.075	18.68	0.074	18.83	0.076
1.4	QPSK	6	0	18.71	0.074	18.73	0.075	18.75	0.075
1.4	16QAM	1	0	19.19	0.083	19.26	0.084	19.23	0.084
1.4	16QAM	1	3	19.06	0.080	18.96	0.079	19.12	0.082
1.4	16QAM	1	5	18.95	0.078	19.00	0.079	19.15	0.082
1.4	16QAM	3	0	18.59	0.072	18.54	0.071	18.63	0.073
1.4	16QAM	3	1	18.61	0.073	18.70	0.074	18.76	0.075
1.4	16QAM	3	3	18.61	0.073	18.67	0.074	18.73	0.075
1.4	16QAM	6	0	18.54	0.071	18.62	0.073	18.56	0.072

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	20.51	0.112	20.57	0.114	20.54	0.113
20	QPSK	1	49	20.40	0.110	20.50	0.112	20.48	0.112
20	QPSK	1	99	20.46	0.111	20.42	0.110	20.44	0.111
20	QPSK	50	0	19.46	0.088	19.65	0.092	19.49	0.089
20	QPSK	50	24	19.45	0.088	19.48	0.089	19.43	0.088
20	QPSK	50	50	19.40	0.087	19.29	0.085	19.46	0.088
20	QPSK	100	0	19.47	0.089	19.54	0.090	19.43	0.088
20	16QAM	1	0	19.78	0.095	19.89	0.097	19.68	0.093
20	16QAM	1	49	19.77	0.095	19.78	0.095	19.65	0.092
20	16QAM	1	99	19.63	0.092	19.67	0.093	19.63	0.092
20	16QAM	50	0	19.11	0.081	19.23	0.084	19.21	0.083
20	16QAM	50	24	19.32	0.086	19.28	0.085	19.33	0.086
20	16QAM	50	50	19.21	0.083	19.17	0.083	19.24	0.084
20	16QAM	100	0	19.32	0.086	19.15	0.082	19.16	0.082

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	20.32	0.108	20.58	0.114	20.50	0.112
15	QPSK	1	37	20.39	0.109	20.47	0.111	20.39	0.109
15	QPSK	1	74	20.18	0.104	20.32	0.108	20.19	0.104
15	QPSK	36	0	19.37	0.087	19.53	0.090	19.45	0.088
15	QPSK	36	20	19.51	0.089	19.49	0.089	19.66	0.092
15	QPSK	36	39	19.41	0.087	19.32	0.086	19.36	0.086
15	QPSK	75	0	19.48	0.089	19.56	0.090	19.41	0.087
15	16QAM	1	0	19.62	0.092	19.52	0.090	19.99	0.100
15	16QAM	1	37	19.64	0.092	19.53	0.090	19.87	0.097
15	16QAM	1	74	19.52	0.090	19.57	0.091	19.76	0.095
15	16QAM	36	0	19.22	0.084	19.26	0.084	19.27	0.085
15	16QAM	36	20	19.28	0.085	19.26	0.084	19.27	0.085
15	16QAM	36	39	19.35	0.086	19.29	0.085	19.09	0.081
15	16QAM	75	0	19.23	0.084	19.22	0.084	19.29	0.085

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.48	0.112	20.59	0.115	20.50	0.112
10	QPSK	1	25	20.52	0.113	20.55	0.114	20.46	0.111
10	QPSK	1	49	20.48	0.112	20.49	0.112	20.42	0.110
10	QPSK	25	0	19.62	0.092	19.54	0.090	19.63	0.092
10	QPSK	25	12	19.61	0.091	19.67	0.093	19.56	0.090
10	QPSK	25	25	19.50	0.089	19.62	0.092	19.54	0.090
10	QPSK	50	0	19.54	0.090	19.51	0.089	19.56	0.090
10	16QAM	1	0	19.68	0.093	19.98	0.100	19.77	0.095
10	16QAM	1	25	19.59	0.091	19.76	0.095	19.53	0.090
10	16QAM	1	49	19.63	0.092	19.98	0.100	19.77	0.095
10	16QAM	25	0	19.49	0.089	19.37	0.087	19.40	0.087
10	16QAM	25	12	19.44	0.088	19.46	0.088	19.37	0.087
10	16QAM	25	25	19.42	0.088	19.28	0.085	19.42	0.088
10	16QAM	50	0	19.53	0.090	19.52	0.090	19.47	0.089

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.48	0.112	20.57	0.114	20.48	0.112
5	QPSK	1	12	20.50	0.112	20.49	0.112	20.55	0.114
5	QPSK	1	24	20.45	0.111	20.43	0.110	20.40	0.110
5	QPSK	12	0	19.58	0.091	19.61	0.091	19.57	0.091
5	QPSK	12	7	19.60	0.091	19.60	0.091	19.54	0.090
5	QPSK	12	13	19.54	0.090	19.56	0.090	19.63	0.092
5	QPSK	25	0	19.63	0.092	19.57	0.091	19.50	0.089
5	16QAM	1	0	19.78	0.095	19.59	0.091	19.79	0.095
5	16QAM	1	12	19.77	0.095	19.66	0.092	19.55	0.090
5	16QAM	1	24	19.96	0.099	19.91	0.098	19.77	0.095
5	16QAM	12	0	19.44	0.088	19.41	0.087	19.34	0.086
5	16QAM	12	7	19.46	0.088	19.54	0.090	19.40	0.087
5	16QAM	12	13	19.43	0.088	19.36	0.086	19.38	0.087
5	16QAM	25	0	19.40	0.087	19.31	0.085	19.29	0.085

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.50	0.112	20.54	0.113	20.47	0.111
3	QPSK	1	8	20.56	0.114	20.46	0.111	20.42	0.110
3	QPSK	1	14	20.42	0.110	20.51	0.112	20.37	0.109
3	QPSK	8	0	19.54	0.090	19.56	0.090	19.53	0.090
3	QPSK	8	4	19.58	0.091	19.48	0.089	19.59	0.091
3	QPSK	8	7	19.56	0.090	19.69	0.093	19.48	0.089
3	QPSK	15	0	19.54	0.090	19.59	0.091	19.59	0.091
3	16QAM	1	0	19.82	0.096	19.85	0.097	19.62	0.092
3	16QAM	1	8	19.78	0.095	19.83	0.096	19.58	0.091
3	16QAM	1	14	19.88	0.097	19.56	0.090	19.73	0.094
3	16QAM	8	0	19.38	0.087	19.52	0.090	19.38	0.087
3	16QAM	8	4	19.36	0.086	19.55	0.090	19.36	0.086
3	16QAM	8	7	19.39	0.087	19.44	0.088	19.33	0.086
3	16QAM	15	0	19.44	0.088	19.39	0.087	19.32	0.086