



# TEST REPORT

**APPLICANT** : Great Talent Technology Limited

**PRODUCT NAME** : Smart phone

**MODEL NAME** : freedom turbo XL

**BRAND NAME** : Schok

**FCC ID** : 2ALZM-TURBOXL

**STANDARD(S)** : 47 CFR Part 22, Subpart H  
47 CFR Part 24, Subpart E  
47 CFR Part 27, Subpart D&H&L&M&F

**RECEIPT DATE** : 2020-06-28

**TEST DATE** : 2020-07-01 to 2020-08-12

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REPORT No. : SZ20060303W02

<b>Change History</b>		
<b>Version</b>	<b>Date</b>	<b>Reason for change</b>
1.0	2020-10-20	First edition



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	Great Talent Technology Limited
<b>Applicant Address:</b>	RM602, T3 Software Park, Nanshan, Shenzhen, China
<b>Manufacturer:</b>	Unimaxcomm
<b>ManufacturerAddress:</b>	Floor 35th, HBC Huilong Centre 2nd Phase office building, Minzhi Street, Longhua District, Shenzhen, P.R. China 518057



## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	Smart phone	
<b>Hardware Version:</b>	V10_0506	
<b>Software Version:</b>	Q6501_SFT656128_V1.0.29-userdebug	
<b>Modulation Type:</b>	QPSK, 16QAM, 64QAM	
<b>Operation Band:</b>	Band 2 / 4 / 5 / 12 / 13 / 17 / 25 / 26 / 30 / 41 / 66 / 71	
<b>Frequency Range:</b>	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 12	Tx: 699MHz – 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 13	Tx: 777MHz – 787MHz
		Rx: 746MHz – 756MHz
	LTE Band 17	Tx: 704MHz – 716MHz
		Rx: 734MHz – 746MHz
	LTE Band 25	Tx: 1850MHz – 1915MHz
		Rx: 1930MHz – 1995MHz
	LTE Band 26	Tx: 824MHz – 849MHz
		Rx: 869MHz – 894MHz
	LTE Band 30	Tx: 2305MHz – 2315MHz
		Rx: 2350MHz – 2360MHz
LTE Band 41	Tx: 2496MHz – 2690MHz	
	Rx: 2496MHz – 2690MHz	
LTE Band 66	Tx: 1710MHz – 1780MHz	
	Rx: 2110MHz – 2200MHz	
LTE Band 71	Tx: 663MHz – 698MHz	
	Rx: 617MHz – 652MHz	



<b>Channel Bandwidth:</b>	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 30	5MHz, 10MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
	<b>Antenna Type:</b>	Fixed Internal
<b>Antenna Gain:</b>	LTE Band 2	1.08 dBi
	LTE Band 4	0.29 dBi
	LTE Band 5	1.36 dBi
	LTE Band 12	1.25 dBi
	LTE Band 13	1.09 dBi
	LTE Band 17	1.02 dBi
	LTE Band 25	0.64 dBi
	LTE Band 26	1.09 dBi
	LTE Band 30	-2.30 dBi
	LTE Band 41	1.01 dBi
	LTE Band 66	-2.60 dBi
	LTE Band 71	-3.70 dBi
	<b>Accessory Information:</b>	Battery
Brand Name:		Milai
Model No.:		426684P4000
Capacity:		4000 mAh
Rated Voltage:		3.85 V
Charge Limit:		4.40 V
AC Adapter		
Brand Name:		Schok
Model No.:		BLJ-QC06HU
Rated Input:		100-240V ~ 50/60Hz 0.5A
Rated Output:		5V=3.0A, 9V=2.0A, 12V=1.5A,



### 1.3. Maximum ERP/EIRP and Emission Designator

LTE Band2	Maximum ERP/EIRP (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.195	0.173	0.168	18M0G7D	18M0W7D	18M0D7W
15	0.195	0.174	0.171	13M5G7D	13M5W7D	13M5D7W
10	0.195	0.179	0.172	9M00G7D	8M97W7D	8M99D7W
5	0.195	0.166	0.177	4M51G7D	4M51W7D	4M51D7W
3	0.195	0.177	0.172	2M70G7D	2M71W7D	2M71D7W
1.4	0.196	0.170	0.177	1M09G7D	1M11W7D	1M09D7W
LTE Band4	Maximum ERP/EIRP (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.143	0.122	0.118	18M0G7D	18M0W7D	18M0D7W
15	0.141	0.120	0.119	13M5G7D	13M5W7D	13M5D7W
10	0.136	0.118	0.114	9M00G7D	8M98W7D	8M99D7W
5	0.139	0.120	0.118	4M51G7D	4M51W7D	4M51D7W
3	0.142	0.122	0.119	2M70G7D	2M70W7D	2M71D7W
1.4	0.137	0.120	0.116	1M10G7D	1M10W7D	1M09D7W
LTE Band5	Maximum ERP/EIRP (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.189	0.164	0.157	9M02G7D	8M98W7D	8M99D7W
5	0.187	0.161	0.165	4M52G7D	4M52W7D	4M51D7W
3	0.189	0.162	0.163	2M71G7D	2M71W7D	2M71D7W
1.4	0.185	0.156	0.158	1M10G7D	1M10W7D	1M10D7W
LTE Band12	Maximum ERP/EIRP (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.180	0.157	0.155	9M02G7D	9M00W7D	8M99D7W
5	0.180	0.157	0.159	4M52G7D	4M51W7D	4M51D7W
3	0.179	0.156	0.147	2M70G7D	2M71W7D	2M71D7W
1.4	0.180	0.155	0.148	1M10G7D	1M10W7D	1M09D7W
LTE Band13	Maximum ERP/EIRP (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.176	0.150	0.146	8M99G7D	8M95W7D	8M97D7W
5	0.176	0.161	0.147	4M50G7D	4M51W7D	4M51D7W



LTE Band17	Maximum ERP/EIRP (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.170	0.147	0.146	9M00G7D	8M97W7D	8M99D7W
5	0.169	0.147	0.145	4M52G7D	4M52W7D	4M51D7W
LTE Band25	Maximum ERP/EIRP (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.187	0.166	0.159	17M9G7D	18M0W7D	18M0D7W
15	0.182	0.167	0.154	13M5G7D	13M5W7D	13M5D7W
10	0.187	0.163	0.160	9M00G7D	8M97W7D	8M99D7W
5	0.183	0.162	0.161	4M51G7D	4M51W7D	4M51D7W
3	0.183	0.161	0.161	2M71G7D	2M71W7D	2M71D7W
1.4	0.184	0.158	0.156	1M09G7D	1M10W7D	1M09D7W
LTE Band26	Maximum ERP/EIRP (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15	0.138	0.119	0.115	13M5G7D	13M4W7D	13M5D7W
10	0.138	0.119	0.120	8M96G7D	8M97W7D	8M93D7W
5	0.138	0.122	0.120	4M49G7D	4M49W7D	4M50D7W
3	0.174	0.152	0.146	2M70G7D	2M70W7D	2M73D7W
1.4	0.176	0.151	0.147	1M09G7D	1M09W7D	1M09D7W
LTE Band30	Maximum ERP/EIRP (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.129	0.114	0.106	9M00G7D	8M97W7D	8M98D7W
5	0.129	0.111	0.106	4M51G7D	4M52W7D	4M51D7W
LTE Band41	Maximum ERP/EIRP (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.573	0.462	0.463	18M3G7D	18M2W7D	18M2D7W
15	0.569	0.476	0.471	13M6G7D	13M6W7D	13M6D7W
10	0.575	0.470	0.478	9M11G7D	9M05W7D	9M06D7W
5	0.569	0.469	0.475	4M63G7D	4M55W7D	4M56D7W





LTE Band66	Maximum ERP/EIRP (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.148	0.130	0.128	18M0G7D	18M0W7D	18M0D7W
15	0.142	0.126	0.166	13M5G7D	13M5W7D	13M5D7W
10	0.142	0.124	0.122	8M99G7D	9M00W7D	8M98D7W
5	0.145	0.127	0.125	4M49G7D	4M50W7D	4M50D7W
3	0.147	0.129	0.127	2M69G7D	2M70W7D	2M69D7W
1.4	0.141	0.124	0.097	1M09G7D	1M09W7D	1M09D7W
LTE Band71	Maximum ERP/EIRP (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.105	0.084	0.090	17M9G7D	17M9W7D	17M9D7W
15	0.099	0.086	0.084	13M5G7D	13M5W7D	13M4D7W
10	0.097	0.084	0.084	9M00G7D	8M97W7D	8M97D7W
5	0.099	0.086	0.085	4M50G7D	4M49W7D	4M51D7W



## 1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24 and 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
2.1046, 22.913(a)(2), 24.232(c), 27.50(c)(10) 27.50(d)(4), 27.50(h)(2) 27.50(a)(3)	Transmitter Conducted Output Power and ERP/EIRP	Jul 18, 2020	Liang Yumei	PASS
2.1049	Occupied Bandwidth	Jul 1 to 23, 2020	Zhou Xiaolong	PASS
2.1055, 22.355, 24.235, 27.54	Frequency Stability	Jul 1 to 23, 2020	Zhou Xiaolong	PASS
24.232(d), 27.50(d)(5)	Peak to Average Ratio	Jul 1 to 23, 2020	Zhou Xiaolong	PASS
2.1051, 22.917(a), 24.238, 27.53(g)(h) 27.53(m)(4)(a)(4)	Conducted Spurious Emissions	Jul 1 to 23, 2020	Zhou Xiaolong	PASS
2.1051, 22.917(a), 24.238, 27.53(g)(h) 27.53(m)(4)(a)(4)	Band Edge	Jul 1 to 23, 2020	Zhou Xiaolong	PASS
2.1051, 22.917(a), 24.238, 27.53(g)(h) 27.53(m)(4)(a)(4)	Radiated Spurious Emissions	Jul 3, 2020	Peng Xuwei	PASS

**Note 1:** The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 (Oct 27, 2017) 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 23.5dB contains two parts that cable loss 13.5dB and Attenuator 10dB.



## 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 and 27D&H&L&M&F Requirements

### 2.1. Transmitter Conducted Output Power And ERP/EIRP

#### 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 2/25, Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

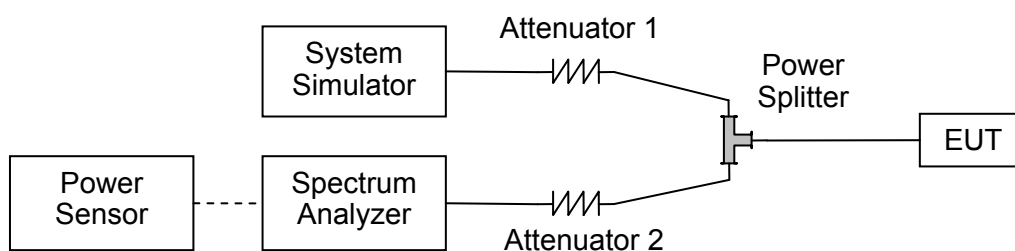
According to FCC section 27.50 (d) for LTE Band 4, fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat EIRP.

According to FCC section 22.913 (a.2) for LTE Band 5/26, the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h) for LTE Band 7/41, Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

According to FCC section 27.50 (c) for LTE Band 12/17, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts ERP.

#### 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.

EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

ERP (dBm) = EIPR (dBm) - 2.15

**2.1.4. Result**

**Conducted Output Power:**

LTE Band2						
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	21.65	21.83	21.75
20	QPSK	1	49	21.80	21.78	21.62
20	QPSK	1	99	21.61	21.40	21.62
20	QPSK	50	0	20.74	20.81	20.56
20	QPSK	50	24	20.76	20.70	20.72
20	QPSK	50	50	20.66	20.67	20.66
20	QPSK	100	0	20.82	20.71	20.55
20	16QAM	1	0	20.90	21.31	21.03
20	16QAM	1	49	21.13	21.01	21.19
20	16QAM	1	99	21.08	21.09	20.91
20	16QAM	50	0	19.91	19.88	19.83
20	16QAM	50	24	19.91	19.87	19.94
20	16QAM	50	50	19.87	19.77	19.79
20	16QAM	100	0	19.91	19.76	19.60
20	64QAM	1	0	20.80	20.98	20.87
20	64QAM	1	49	20.74	20.99	20.92
20	64QAM	1	99	21.17	20.75	20.95
20	64QAM	50	0	19.87	19.87	19.62
20	64QAM	50	24	19.96	19.88	19.78
20	64QAM	50	50	19.88	19.70	19.86
20	64QAM	100	0	19.83	19.98	19.73



LTE Band2						
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	21.76	21.64	21.39
15	QPSK	1	37	21.82	21.67	21.56
15	QPSK	1	74	21.70	21.72	21.50
15	QPSK	36	0	20.70	20.73	20.54
15	QPSK	36	20	20.81	20.69	20.59
15	QPSK	36	39	20.82	20.60	20.64
15	QPSK	75	0	20.70	20.61	20.65
15	16QAM	1	0	21.32	21.30	20.93
15	16QAM	1	37	21.04	21.31	20.88
15	16QAM	1	74	21.29	20.91	20.87
15	16QAM	36	0	20.94	20.87	20.88
15	16QAM	36	20	21.06	20.82	20.67
15	16QAM	36	39	21.01	20.95	20.57
15	16QAM	75	0	19.98	19.76	19.66
15	64QAM	1	0	21.26	21.12	21.15
15	64QAM	1	37	21.00	21.05	21.17
15	64QAM	1	74	20.98	20.94	20.82
15	64QAM	36	0	20.91	20.67	20.86
15	64QAM	36	20	20.90	20.91	20.78
15	64QAM	36	39	20.89	20.83	20.79
15	64QAM	75	0	19.92	19.70	19.69



LTE Band2						
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	21.81	21.78	21.54
10	QPSK	1	25	21.55	21.66	21.65
10	QPSK	1	49	21.77	21.59	21.65
10	QPSK	25	0	20.86	20.76	20.70
10	QPSK	25	12	20.73	20.75	20.61
10	QPSK	25	25	20.68	20.64	20.61
10	QPSK	50	0	20.76	20.70	20.64
10	16QAM	1	0	20.98	21.00	21.35
10	16QAM	1	25	21.06	21.44	21.05
10	16QAM	1	49	20.98	21.37	21.01
10	16QAM	25	0	19.88	19.96	19.73
10	16QAM	25	12	20.00	19.88	19.83
10	16QAM	25	25	19.93	19.93	19.78
10	16QAM	50	0	19.83	19.77	19.89
10	64QAM	1	0	21.17	21.09	20.82
10	64QAM	1	25	21.27	21.09	20.88
10	64QAM	1	49	21.28	21.00	20.96
10	64QAM	25	0	19.92	19.84	19.86
10	64QAM	25	12	19.86	19.94	19.74
10	64QAM	25	25	19.99	19.81	19.77
10	64QAM	50	0	19.87	19.78	19.84



LTE Band2						
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	21.74	21.80	21.43
5	QPSK	1	12	21.77	21.78	21.63
5	QPSK	1	24	21.74	21.81	21.59
5	QPSK	12	0	20.83	20.72	20.74
5	QPSK	12	7	20.90	20.75	20.80
5	QPSK	12	13	20.80	20.66	20.71
5	QPSK	25	0	20.85	20.66	20.65
5	16QAM	1	0	21.08	21.05	21.12
5	16QAM	1	12	21.02	21.04	20.91
5	16QAM	1	24	21.01	21.03	20.67
5	16QAM	12	0	20.01	19.90	19.84
5	16QAM	12	7	19.94	20.03	19.81
5	16QAM	12	13	20.02	19.88	19.80
5	16QAM	25	0	19.94	19.92	19.94
5	64QAM	1	0	21.32	21.09	20.92
5	64QAM	1	12	20.97	21.39	20.99
5	64QAM	1	24	21.04	21.06	21.06
5	64QAM	12	0	19.97	19.76	19.73
5	64QAM	12	7	19.87	20.02	19.74
5	64QAM	12	13	19.93	19.81	19.89
5	64QAM	25	0	19.91	19.82	19.78





LTE Band2						
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	21.73	21.67	21.57
3	QPSK	1	8	21.83	21.70	21.69
3	QPSK	1	14	21.74	21.68	21.49
3	QPSK	8	0	20.83	20.69	20.70
3	QPSK	8	4	20.80	20.79	20.67
3	QPSK	8	7	20.80	20.71	20.77
3	QPSK	15	0	20.78	20.80	20.65
3	16QAM	1	0	20.92	20.98	21.19
3	16QAM	1	8	21.05	21.34	21.20
3	16QAM	1	14	21.39	21.37	20.94
3	16QAM	8	0	20.11	19.97	19.70
3	16QAM	8	4	20.18	20.06	19.93
3	16QAM	8	7	20.00	20.05	19.76
3	16QAM	15	0	19.84	20.02	19.92
3	64QAM	1	0	21.27	21.06	20.90
3	64QAM	1	8	21.10	20.98	20.82
3	64QAM	1	14	21.12	21.01	20.81
3	64QAM	8	0	20.00	19.78	19.80
3	64QAM	8	4	19.99	20.01	19.90
3	64QAM	8	7	20.00	19.90	19.77
3	64QAM	15	0	19.85	19.79	19.79



LTE Band2						
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	21.76	21.64	21.39
1.4	QPSK	1	3	21.81	21.67	21.56
1.4	QPSK	1	5	21.70	21.72	21.50
1.4	QPSK	3	0	21.70	21.73	21.54
1.4	QPSK	3	1	21.83	21.69	21.59
1.4	QPSK	3	3	21.85	21.60	21.64
1.4	QPSK	6	0	20.70	20.61	20.65
1.4	16QAM	1	0	21.22	21.21	20.93
1.4	16QAM	1	3	21.04	21.19	20.74
1.4	16QAM	1	5	21.22	20.91	20.87
1.4	16QAM	3	0	20.94	20.87	20.78
1.4	16QAM	3	1	21.06	20.82	20.67
1.4	16QAM	3	3	21.01	20.95	20.57
1.4	16QAM	6	0	19.98	19.76	19.66
1.4	64QAM	1	0	21.40	21.12	21.15
1.4	64QAM	1	3	21.00	21.05	21.17
1.4	64QAM	1	5	20.98	20.94	20.92
1.4	64QAM	3	0	20.91	20.67	20.96
1.4	64QAM	3	1	21.01	20.95	20.78
1.4	64QAM	3	3	20.99	20.83	20.79
1.4	64QAM	6	0	19.92	19.70	19.69



LTE Band4						
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	21.19	21.18	21.26
20	QPSK	1	49	21.20	21.10	21.06
20	QPSK	1	99	21.05	21.04	21.01
20	QPSK	50	0	20.15	20.30	20.31
20	QPSK	50	24	20.27	20.29	20.25
20	QPSK	50	50	20.29	20.25	20.16
20	QPSK	100	0	20.20	20.23	20.23
20	16QAM	1	0	20.32	20.57	20.43
20	16QAM	1	49	20.29	20.47	20.08
20	16QAM	1	99	20.33	20.20	20.56
20	16QAM	50	0	19.37	19.39	19.34
20	16QAM	50	24	19.31	19.44	19.39
20	16QAM	50	50	19.29	19.24	19.15
20	16QAM	100	0	19.23	19.26	19.32
20	64QAM	1	0	20.12	20.40	20.35
20	64QAM	1	49	20.39	20.44	20.27
20	64QAM	1	99	20.35	20.12	20.23
20	64QAM	50	0	19.26	19.40	19.28
20	64QAM	50	24	19.31	19.39	19.33
20	64QAM	50	50	19.32	19.28	19.25
20	64QAM	100	0	19.24	19.35	19.32



LTE Band4						
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	21.19	21.03	20.93
15	QPSK	1	37	21.19	20.94	20.73
15	QPSK	1	74	21.06	20.74	20.76
15	QPSK	36	0	20.29	20.12	19.88
15	QPSK	36	20	20.21	20.06	19.88
15	QPSK	36	39	20.13	19.98	19.84
15	QPSK	75	0	20.21	20.05	19.90
15	16QAM	1	0	20.37	20.50	20.03
15	16QAM	1	37	20.35	20.28	20.01
15	16QAM	1	74	20.17	20.00	20.42
15	16QAM	36	0	19.37	19.26	19.00
15	16QAM	36	20	19.29	19.18	18.99
15	16QAM	36	39	19.24	19.10	19.00
15	16QAM	75	0	19.25	19.16	19.03
15	64QAM	1	0	20.16	20.48	20.41
15	64QAM	1	37	20.28	19.98	19.99
15	64QAM	1	74	19.99	20.17	19.99
15	64QAM	36	0	19.30	19.29	19.03
15	64QAM	36	20	19.34	19.14	19.01
15	64QAM	36	39	19.27	19.06	18.95
15	64QAM	75	0	19.25	19.25	18.99



LTE Band4						
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	21.03	21.01	20.96
10	QPSK	1	25	21.00	20.98	20.79
10	QPSK	1	49	20.99	20.78	20.63
10	QPSK	25	0	20.20	20.24	20.06
10	QPSK	25	12	20.27	20.17	19.96
10	QPSK	25	25	20.17	20.04	19.85
10	QPSK	50	0	20.23	20.09	19.95
10	16QAM	1	0	20.20	20.43	20.11
10	16QAM	1	25	20.33	20.30	20.30
10	16QAM	1	49	20.22	20.29	19.95
10	16QAM	25	0	19.37	19.29	19.05
10	16QAM	25	12	19.32	19.25	19.12
10	16QAM	25	25	19.29	19.09	19.01
10	16QAM	50	0	19.27	19.16	18.98
10	64QAM	1	0	20.12	20.22	20.15
10	64QAM	1	25	20.13	20.28	19.92
10	64QAM	1	49	20.11	19.83	19.82
10	64QAM	25	0	19.28	19.28	19.02
10	64QAM	25	12	19.37	19.19	19.02
10	64QAM	25	25	19.19	18.99	18.96
10	64QAM	50	0	19.31	19.23	18.99



LTE Band4						
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	21.15	21.12	20.92
5	QPSK	1	12	21.06	21.07	20.74
5	QPSK	1	24	21.12	20.88	20.72
5	QPSK	12	0	20.17	20.19	19.98
5	QPSK	12	7	20.19	20.15	19.99
5	QPSK	12	13	20.05	19.97	19.84
5	QPSK	25	0	20.20	20.11	19.98
5	16QAM	1	0	20.19	20.41	20.30
5	16QAM	1	12	20.45	20.51	20.01
5	16QAM	1	24	20.06	20.17	20.28
5	16QAM	12	0	19.23	19.34	18.96
5	16QAM	12	7	19.27	19.28	18.98
5	16QAM	12	13	19.28	19.12	18.95
5	16QAM	25	0	19.35	19.17	18.98
5	64QAM	1	0	20.04	20.33	19.97
5	64QAM	1	12	20.42	20.32	20.04
5	64QAM	1	24	20.12	20.01	19.93
5	64QAM	12	0	19.35	19.34	19.02
5	64QAM	12	7	19.27	19.19	19.02
5	64QAM	12	13	19.23	19.04	18.96
5	64QAM	25	0	19.27	19.22	18.99



LTE Band4						
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	21.24	21.19	20.93
3	QPSK	1	8	21.15	20.93	20.86
3	QPSK	1	14	20.95	20.93	20.77
3	QPSK	8	0	20.24	20.16	19.97
3	QPSK	8	4	20.18	20.11	19.95
3	QPSK	8	7	20.17	20.05	19.81
3	QPSK	15	0	20.19	20.11	19.94
3	16QAM	1	0	20.33	20.56	20.40
3	16QAM	1	8	20.52	20.26	20.12
3	16QAM	1	14	20.14	20.31	20.06
3	16QAM	8	0	19.29	19.33	19.06
3	16QAM	8	4	19.26	19.21	18.96
3	16QAM	8	7	19.22	19.04	18.92
3	16QAM	15	0	19.27	19.24	18.95
3	64QAM	1	0	20.26	20.48	20.04
3	64QAM	1	8	20.32	19.99	20.02
3	64QAM	1	14	20.03	20.01	19.98
3	64QAM	8	0	19.26	19.29	18.99
3	64QAM	8	4	19.25	19.27	19.11
3	64QAM	8	7	19.27	19.09	19.08
3	64QAM	15	0	19.30	19.18	18.97



LTE Band4						
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	21.09	21.06	20.95
1.4	QPSK	1	3	21.09	20.99	20.86
1.4	QPSK	1	5	21.06	20.80	20.68
1.4	QPSK	3	0	20.29	20.12	19.98
1.4	QPSK	3	1	20.21	20.07	19.98
1.4	QPSK	3	3	20.13	20.03	19.86
1.4	QPSK	6	0	20.21	20.07	19.99
1.4	16QAM	1	0	20.43	20.37	20.25
1.4	16QAM	1	3	20.25	20.51	20.04
1.4	16QAM	1	5	20.17	20.07	20.02
1.4	16QAM	3	0	19.37	19.38	19.03
1.4	16QAM	3	1	19.29	19.22	18.98
1.4	16QAM	3	3	19.24	19.06	18.94
1.4	16QAM	6	0	19.25	19.22	19.02
1.4	64QAM	1	0	20.16	20.33	20.03
1.4	64QAM	1	3	20.28	20.37	20.01
1.4	64QAM	1	5	20.13	20.27	19.88
1.4	64QAM	3	0	19.30	19.22	19.02
1.4	64QAM	3	1	19.34	19.28	19.00
1.4	64QAM	3	3	19.27	19.13	18.95
1.4	64QAM	6	0	19.25	19.20	19.01





LTE Band5						
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	23.29	23.55	23.50
10	QPSK	1	25	23.34	23.50	23.45
10	QPSK	1	49	23.47	23.43	23.40
10	QPSK	25	0	22.48	22.60	22.53
10	QPSK	25	12	22.55	22.63	22.62
10	QPSK	25	25	22.45	22.51	22.45
10	QPSK	50	0	22.58	22.56	22.46
10	16QAM	1	0	22.51	22.63	22.58
10	16QAM	1	25	22.83	22.92	22.69
10	16QAM	1	49	22.93	22.68	22.56
10	16QAM	25	0	21.50	21.65	21.64
10	16QAM	25	12	21.65	21.63	21.68
10	16QAM	25	25	21.61	21.65	21.49
10	16QAM	50	0	21.53	21.61	21.60
10	64QAM	1	0	22.39	22.60	22.31
10	64QAM	1	25	22.52	22.63	22.75
10	64QAM	1	49	22.42	22.42	22.53
10	64QAM	25	0	21.56	21.64	21.55
10	64QAM	25	12	21.62	21.68	21.72
10	64QAM	25	25	21.53	21.57	21.62
10	64QAM	50	0	21.59	21.66	21.56



LTE Band5						
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	23.26	23.38	23.51
5	QPSK	1	12	23.39	23.33	23.41
5	QPSK	1	24	23.25	23.30	23.51
5	QPSK	12	0	22.46	22.52	22.57
5	QPSK	12	7	22.52	22.60	22.57
5	QPSK	12	13	22.53	22.57	22.44
5	QPSK	25	0	22.49	22.57	22.45
5	16QAM	1	0	22.85	22.61	22.62
5	16QAM	1	12	22.60	22.59	22.46
5	16QAM	1	24	22.83	22.39	22.43
5	16QAM	12	0	21.55	21.66	21.63
5	16QAM	12	7	21.57	21.54	21.67
5	16QAM	12	13	21.48	21.60	21.53
5	16QAM	25	0	21.54	21.66	21.59
5	64QAM	1	0	22.52	22.51	22.96
5	64QAM	1	12	22.91	22.50	22.95
5	64QAM	1	24	22.54	22.54	22.51
5	64QAM	12	0	21.51	21.51	21.60
5	64QAM	12	7	21.53	21.56	21.47
5	64QAM	12	13	21.51	21.62	21.54
5	64QAM	25	0	21.49	21.64	21.55



LTE Band5						
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	23.39	23.37
3	QPSK	1	8	23.33	23.56	23.41
3	QPSK	1	14	23.33	23.33	23.27
3	QPSK	8	0	22.39	22.58	22.52
3	QPSK	8	4	22.52	22.52	22.54
3	QPSK	8	7	22.50	22.52	22.45
3	QPSK	15	0	22.45	22.62	22.44
3	16QAM	1	0	22.51	22.39	22.58
3	16QAM	1	8	22.39	22.43	22.72
3	16QAM	1	14	22.89	22.81	22.65
3	16QAM	8	0	21.48	21.64	21.54
3	16QAM	8	4	21.47	21.71	21.58
3	16QAM	8	7	21.59	21.53	21.51
3	16QAM	15	0	21.63	21.64	21.46
3	64QAM	1	0	22.47	22.58	22.45
3	64QAM	1	8	22.46	22.56	22.57
3	64QAM	1	14	22.86	22.92	22.55
3	64QAM	8	0	21.44	21.48	21.57
3	64QAM	8	4	21.43	21.55	21.54
3	64QAM	8	7	21.55	21.63	21.58
3	64QAM	15	0	21.55	21.55	21.63



LTE Band5						
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	23.30	23.39	23.34
1.4	QPSK	1	3	23.34	23.45	23.44
1.4	QPSK	1	5	23.28	23.35	23.26
1.4	QPSK	3	0	23.34	23.31	23.43
1.4	QPSK	3	1	23.35	23.40	23.39
1.4	QPSK	3	3	23.32	23.42	23.27
1.4	QPSK	6	0	22.36	22.45	22.46
1.4	16QAM	1	0	22.45	22.51	22.43
1.4	16QAM	1	3	22.46	22.61	22.24
1.4	16QAM	1	5	22.27	22.59	22.72
1.4	16QAM	3	0	22.32	22.31	22.33
1.4	16QAM	3	1	22.44	22.40	22.39
1.4	16QAM	3	3	22.31	22.37	22.35
1.4	16QAM	6	0	21.48	21.53	21.63
1.4	64QAM	1	0	22.63	22.52	22.44
1.4	64QAM	1	3	22.76	22.58	22.56
1.4	64QAM	1	5	22.67	22.77	22.28
1.4	64QAM	3	0	22.20	22.59	22.44
1.4	64QAM	3	1	22.44	22.43	22.37
1.4	64QAM	3	3	22.35	22.43	22.35
1.4	64QAM	6	0	21.45	21.49	21.51



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.09	23.37	23.35
10	QPSK	1	25	23.40	23.41	23.29
10	QPSK	1	49	23.35	23.32	23.45
10	QPSK	25	0	22.40	22.42	22.43
10	QPSK	25	12	22.50	22.42	22.51
10	QPSK	25	25	22.49	22.38	22.43
10	QPSK	50	0	22.53	22.43	22.42
10	16QAM	1	0	22.59	22.39	22.87
10	16QAM	1	25	22.86	22.51	22.54
10	16QAM	1	49	22.57	22.60	22.55
10	16QAM	25	0	21.38	21.50	21.45
10	16QAM	25	12	21.57	21.46	21.58
10	16QAM	25	25	21.47	21.55	21.41
10	16QAM	50	0	21.53	21.57	21.42
10	64QAM	1	0	22.69	22.37	22.50
10	64QAM	1	25	22.81	22.35	22.51
10	64QAM	1	49	22.55	22.61	22.63
10	64QAM	25	0	21.40	21.53	21.49
10	64QAM	25	12	21.48	21.48	21.53
10	64QAM	25	25	21.53	21.53	21.40
10	64QAM	50	0	21.52	21.49	21.52



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.19	23.40	23.22
5	QPSK	1	12	23.20	23.43	23.41
5	QPSK	1	24	23.45	23.36	23.38
5	QPSK	12	0	22.35	22.40	22.32
5	QPSK	12	7	22.36	22.47	22.47
5	QPSK	12	13	22.33	22.41	22.48
5	QPSK	25	0	22.39	22.43	22.41
5	16QAM	1	0	22.74	22.50	22.55
5	16QAM	1	12	22.86	22.64	22.52
5	16QAM	1	24	22.79	22.62	22.39
5	16QAM	12	0	21.42	21.45	21.38
5	16QAM	12	7	21.42	21.42	21.59
5	16QAM	12	13	21.42	21.49	21.49
5	16QAM	25	0	21.42	21.52	21.39
5	64QAM	1	0	22.43	22.49	22.90
5	64QAM	1	12	22.70	22.46	22.92
5	64QAM	1	24	22.72	22.62	22.91
5	64QAM	12	0	21.42	21.57	21.35
5	64QAM	12	7	21.46	21.63	21.55
5	64QAM	12	13	21.40	21.43	21.50
5	64QAM	25	0	21.39	21.58	21.45



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.23	23.33	23.40
3	QPSK	1	8	23.42	23.41	23.30
3	QPSK	1	14	23.33	23.34	23.27
3	QPSK	8	0	22.33	22.52	22.44
3	QPSK	8	4	22.41	22.55	22.54
3	QPSK	8	7	22.41	22.47	22.43
3	QPSK	15	0	22.51	22.47	22.40
3	16QAM	1	0	22.52	22.73	22.79
3	16QAM	1	8	22.39	22.54	22.47
3	16QAM	1	14	22.82	22.64	22.49
3	16QAM	8	0	21.43	21.61	21.59
3	16QAM	8	4	21.48	21.58	21.51
3	16QAM	8	7	21.48	21.64	21.48
3	16QAM	15	0	21.57	21.54	21.56
3	64QAM	1	0	22.36	22.56	22.58
3	64QAM	1	8	22.44	22.54	22.48
3	64QAM	1	14	22.55	22.53	22.40
3	64QAM	8	0	21.41	21.44	21.53
3	64QAM	8	4	21.59	21.59	21.44
3	64QAM	8	7	21.43	21.49	21.59
3	64QAM	15	0	21.54	21.63	21.47



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.20	23.41	23.33
1.4	QPSK	1	3	23.35	23.43	23.38
1.4	QPSK	1	5	23.17	23.41	23.26
1.4	QPSK	3	0	23.35	23.32	23.36
1.4	QPSK	3	1	23.36	23.44	23.43
1.4	QPSK	3	3	23.30	23.45	23.40
1.4	QPSK	6	0	22.38	22.47	22.38
1.4	16QAM	1	0	22.73	22.80	22.35
1.4	16QAM	1	3	22.64	22.49	22.65
1.4	16QAM	1	5	22.39	22.57	22.36
1.4	16QAM	3	0	22.28	22.29	22.41
1.4	16QAM	3	1	22.28	22.38	22.45
1.4	16QAM	3	3	22.42	22.43	22.40
1.4	16QAM	6	0	21.54	21.51	21.63
1.4	64QAM	1	0	22.20	22.29	22.24
1.4	64QAM	1	3	22.27	22.59	22.20
1.4	64QAM	1	5	22.24	22.51	22.41
1.4	64QAM	3	0	22.27	22.57	22.37
1.4	64QAM	3	1	22.45	22.43	22.48
1.4	64QAM	3	3	22.41	22.45	22.24
1.4	64QAM	6	0	21.37	21.41	21.52





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	/	23.37	/
10	QPSK	1	25	/	23.51	/
10	QPSK	1	49	/	23.37	/
10	QPSK	25	0	/	22.54	/
10	QPSK	25	12	/	22.61	/
10	QPSK	25	25	/	22.59	/
10	QPSK	50	0	/	22.62	/
10	16QAM	1	0	/	22.59	/
10	16QAM	1	25	/	22.77	/
10	16QAM	1	49	/	22.81	/
10	16QAM	25	0	/	21.56	/
10	16QAM	25	12	/	21.67	/
10	16QAM	25	25	/	21.61	/
10	16QAM	50	0	/	21.73	/
10	64QAM	1	0	/	22.53	/
10	64QAM	1	25	/	22.69	/
10	64QAM	1	49	/	22.33	/
10	64QAM	25	0	/	21.57	/
10	64QAM	25	12	/	21.68	/
10	64QAM	25	25	/	21.60	/
10	64QAM	50	0	/	21.64	/



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	23.40	23.42	23.49
5	QPSK	1	12	23.47	23.50	23.47
5	QPSK	1	24	23.51	23.49	23.48
5	QPSK	12	0	22.52	22.58	22.66
5	QPSK	12	7	22.57	22.66	22.55
5	QPSK	12	13	22.53	22.44	22.55
5	QPSK	25	0	22.53	22.55	22.54
5	16QAM	1	0	22.81	22.70	22.75
5	16QAM	1	12	22.92	22.83	22.63
5	16QAM	1	24	23.12	22.72	22.79
5	16QAM	12	0	21.58	21.73	21.56
5	16QAM	12	7	21.55	21.81	21.68
5	16QAM	12	13	21.62	21.56	21.52
5	16QAM	25	0	21.60	21.64	21.58
5	64QAM	1	0	22.29	22.62	22.72
5	64QAM	1	12	22.45	22.73	22.64
5	64QAM	1	24	22.63	22.65	22.52
5	64QAM	12	0	21.53	21.67	21.62
5	64QAM	12	7	21.61	21.64	21.40
5	64QAM	12	13	21.79	21.70	21.45
5	64QAM	25	0	21.50	21.68	21.52



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.40	23.24	23.24
10	QPSK	1	25	23.40	23.35	23.35
10	QPSK	1	49	23.43	23.39	23.39
10	QPSK	25	0	22.44	22.40	22.40
10	QPSK	25	12	22.35	22.45	22.44
10	QPSK	25	25	22.38	22.42	22.42
10	QPSK	50	0	22.44	22.47	22.47
10	16QAM	1	0	22.71	22.73	22.73
10	16QAM	1	25	22.59	22.59	22.59
10	16QAM	1	49	22.80	22.77	22.77
10	16QAM	25	0	21.41	21.46	21.46
10	16QAM	25	12	21.49	21.46	21.46
10	16QAM	25	25	21.47	21.50	21.50
10	16QAM	50	0	21.50	21.48	21.48
10	64QAM	1	0	22.39	22.32	22.32
10	64QAM	1	25	22.59	22.68	22.68
10	64QAM	1	49	22.75	22.76	22.74
10	64QAM	25	0	21.42	21.55	21.55
10	64QAM	25	12	21.51	21.50	21.50
10	64QAM	25	25	21.39	21.46	21.46
10	64QAM	50	0	21.45	21.41	21.41



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23790	23155
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.24	23.42	23.34
5	QPSK	1	12	23.36	23.40	23.42
5	QPSK	1	24	23.31	23.41	23.41
5	QPSK	12	0	22.32	22.42	22.38
5	QPSK	12	7	22.42	22.37	22.44
5	QPSK	12	13	22.41	22.35	22.48
5	QPSK	25	0	22.36	22.36	22.44
5	16QAM	1	0	22.52	22.43	22.69
5	16QAM	1	12	22.68	22.54	22.69
5	16QAM	1	24	22.79	22.51	22.70
5	16QAM	12	0	21.39	21.49	21.48
5	16QAM	12	7	21.58	21.50	21.70
5	16QAM	12	13	21.44	21.45	21.61
5	16QAM	25	0	21.53	21.51	21.46
5	64QAM	1	0	22.28	22.72	22.60
5	64QAM	1	12	22.29	22.72	22.49
5	64QAM	1	24	22.53	22.75	22.43
5	64QAM	12	0	21.30	21.47	21.56
5	64QAM	12	7	21.51	21.46	21.60
5	64QAM	12	13	21.44	21.46	21.57
5	64QAM	25	0	21.41	21.52	21.51



LTE Band25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26140	26365	26590
Frequency (MHz)				1860	1882.5	1905
20	QPSK	1	0	21.96	21.98	21.62
20	QPSK	1	49	22.07	21.78	21.78
20	QPSK	1	99	21.79	21.67	21.67
20	QPSK	50	0	21.05	20.87	20.63
20	QPSK	50	24	20.96	20.78	20.79
20	QPSK	50	50	20.80	20.77	20.77
20	QPSK	100	0	20.94	20.76	20.75
20	16QAM	1	0	21.53	21.47	21.19
20	16QAM	1	49	21.20	21.57	21.24
20	16QAM	1	99	21.20	21.26	21.09
20	16QAM	50	0	20.15	19.97	19.88
20	16QAM	50	24	20.05	19.96	19.87
20	16QAM	50	50	20.00	19.89	19.92
20	16QAM	100	0	20.07	19.82	19.87
20	64QAM	1	0	20.97	21.37	20.98
20	64QAM	1	49	21.38	21.02	21.00
20	64QAM	1	99	21.05	21.15	20.88
20	64QAM	50	0	20.21	19.93	19.75
20	64QAM	50	24	20.16	19.99	20.01
20	64QAM	50	50	19.93	19.84	19.96
20	64QAM	100	0	20.11	20.08	19.97



LTE Band25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26115	26365	26615
Frequency (MHz)				1857.5	1882.5	1907.5
15	QPSK	1	0	21.97	21.83	21.73
15	QPSK	1	37	21.94	21.93	21.70
15	QPSK	1	74	21.92	21.83	21.73
15	QPSK	36	0	21.06	20.81	20.80
15	QPSK	36	20	21.12	20.97	20.91
15	QPSK	36	39	21.01	20.88	20.85
15	QPSK	75	0	20.90	20.95	20.81
15	16QAM	1	0	21.60	21.20	21.22
15	16QAM	1	37	21.34	21.26	21.44
15	16QAM	1	74	21.47	21.55	21.17
15	16QAM	36	0	20.14	20.03	20.01
15	16QAM	36	20	20.22	20.03	20.01
15	16QAM	36	39	20.07	20.02	19.93
15	16QAM	75	0	20.11	20.02	19.93
15	64QAM	1	0	21.20	21.01	20.96
15	64QAM	1	37	21.14	20.82	21.23
15	64QAM	1	74	21.02	20.79	20.85
15	64QAM	36	0	20.20	19.99	19.87
15	64QAM	36	20	20.25	20.05	20.03
15	64QAM	36	39	20.00	20.06	19.83
15	64QAM	75	0	20.05	19.88	19.76



LTE Band25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26090	26365	26640
Frequency (MHz)				1855	1882.5	1910
10	QPSK	1	0	22.07	21.74	21.77
10	QPSK	1	25	21.93	21.82	21.65
10	QPSK	1	49	22.00	21.88	21.78
10	QPSK	25	0	21.05	20.73	20.63
10	QPSK	25	12	20.97	20.73	20.79
10	QPSK	25	25	20.89	20.75	20.71
10	QPSK	50	0	20.97	20.79	20.72
10	16QAM	1	0	21.47	21.48	21.03
10	16QAM	1	25	21.47	21.09	21.07
10	16QAM	1	49	21.41	21.01	21.25
10	16QAM	25	0	20.23	19.95	19.89
10	16QAM	25	12	20.11	19.93	19.89
10	16QAM	25	25	20.15	19.98	19.85
10	16QAM	50	0	20.06	19.88	19.95
10	64QAM	1	0	21.31	21.20	20.89
10	64QAM	1	25	21.39	21.14	21.23
10	64QAM	1	49	21.26	20.91	20.90
10	64QAM	25	0	20.10	19.99	19.95
10	64QAM	25	12	20.24	20.05	19.91
10	64QAM	25	25	20.12	19.90	19.96
10	64QAM	50	0	20.02	19.91	19.78



LTE Band25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26065	26365	26665
Frequency (MHz)				1852.5	1882.5	1912.5
5	QPSK	1	0	21.88	21.69	21.67
5	QPSK	1	12	21.99	21.78	21.65
5	QPSK	1	24	21.97	21.72	21.72
5	QPSK	12	0	21.03	20.85	20.66
5	QPSK	12	7	21.11	20.80	20.78
5	QPSK	12	13	20.97	20.78	20.67
5	QPSK	25	0	21.03	20.82	20.79
5	16QAM	1	0	21.06	21.31	21.34
5	16QAM	1	12	21.05	21.44	20.97
5	16QAM	1	24	21.33	21.45	21.06
5	16QAM	12	0	20.15	20.06	20.03
5	16QAM	12	7	20.45	20.12	20.00
5	16QAM	12	13	20.27	20.11	20.10
5	16QAM	25	0	20.08	20.00	19.83
5	64QAM	1	0	21.44	21.02	21.07
5	64QAM	1	12	21.29	21.24	21.03
5	64QAM	1	24	21.21	21.14	21.08
5	64QAM	12	0	20.28	20.01	19.95
5	64QAM	12	7	20.20	20.11	19.95
5	64QAM	12	13	20.27	19.95	19.79
5	64QAM	25	0	20.05	20.08	19.89





LTE Band25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26055	26365	26675
Frequency (MHz)				1851.5	1882.5	1913.5
3	QPSK	1	0	21.98	21.66	21.75
3	QPSK	1	8	21.95	21.86	21.65
3	QPSK	1	14	21.89	21.56	21.74
3	QPSK	8	0	21.02	20.79	20.72
3	QPSK	8	4	21.07	20.81	20.72
3	QPSK	8	7	20.95	20.86	20.73
3	QPSK	15	0	20.94	21.03	20.78
3	16QAM	1	0	21.23	20.96	21.32
3	16QAM	1	8	21.42	21.03	20.94
3	16QAM	1	14	21.08	21.27	21.32
3	16QAM	8	0	20.01	19.99	19.92
3	16QAM	8	4	20.23	20.06	19.97
3	16QAM	8	7	20.23	20.06	19.99
3	16QAM	15	0	20.17	20.05	19.99
3	64QAM	1	0	21.42	21.35	20.92
3	64QAM	1	8	21.34	21.01	20.95
3	64QAM	1	14	21.04	20.97	20.93
3	64QAM	8	0	20.11	20.03	19.97
3	64QAM	8	4	20.25	20.01	19.80
3	64QAM	8	7	20.28	19.95	19.95
3	64QAM	15	0	20.28	19.96	19.78



LTE Band25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26047	26365	26683
Frequency (MHz)				1850.7	1882.5	1914.3
1.4	QPSK	1	0	21.95	21.68	21.55
1.4	QPSK	1	3	22.01	21.79	21.68
1.4	QPSK	1	5	21.98	21.65	21.60
1.4	QPSK	3	0	21.94	21.66	21.58
1.4	QPSK	3	1	21.96	21.77	21.71
1.4	QPSK	3	3	21.92	21.70	21.65
1.4	QPSK	6	0	20.88	20.64	20.71
1.4	16QAM	1	0	21.35	20.88	21.03
1.4	16QAM	1	3	21.32	21.25	20.96
1.4	16QAM	1	5	21.27	20.90	20.92
1.4	16QAM	3	0	21.13	20.96	20.82
1.4	16QAM	3	1	20.97	20.96	20.91
1.4	16QAM	3	3	21.26	20.92	20.76
1.4	16QAM	6	0	20.24	19.80	19.85
1.4	64QAM	1	0	21.25	20.83	20.81
1.4	64QAM	1	3	21.23	20.85	20.94
1.4	64QAM	1	5	21.29	21.02	20.88
1.4	64QAM	3	0	21.22	21.03	20.79
1.4	64QAM	3	1	21.08	20.94	20.89
1.4	64QAM	3	3	21.12	20.82	20.93
1.4	64QAM	6	0	20.09	19.90	19.82



LTE Band26						
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	23.42	23.41	23.40
15	QPSK	1	37	23.40	23.48	23.51
15	QPSK	1	74	23.31	23.39	23.34
15	QPSK	36	0	22.54	22.57	22.37
15	QPSK	36	20	22.58	22.54	22.52
15	QPSK	36	39	22.48	22.53	22.46
15	QPSK	75	0	22.56	22.47	22.52
15	16QAM	1	0	22.44	22.85	22.55
15	16QAM	1	37	22.78	22.69	22.63
15	16QAM	1	74	22.65	22.88	22.69
15	16QAM	36	0	21.54	21.57	21.48
15	16QAM	36	20	21.64	21.50	21.62
15	16QAM	36	39	21.54	21.51	21.55
15	16QAM	75	0	21.63	21.57	21.55
15	64QAM	1	0	22.56	22.63	22.54
15	64QAM	1	37	22.58	22.57	22.51
15	64QAM	1	74	22.74	22.41	22.28
15	64QAM	36	0	21.55	21.58	21.46
15	64QAM	36	20	21.62	21.51	21.57
15	64QAM	36	39	21.50	21.52	21.55
15	64QAM	75	0	21.50	21.54	21.53



LTE Band26						
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)				829.0	836.5	844.0
10	QPSK	1	0	23.50	23.33	23.51
10	QPSK	1	25	23.46	23.45	23.50
10	QPSK	1	49	23.35	23.40	23.43
10	QPSK	25	0	22.56	22.58	22.46
10	QPSK	25	12	22.54	22.54	22.49
10	QPSK	25	25	22.44	22.47	22.46
10	QPSK	50	0	22.55	22.50	22.49
10	16QAM	1	0	22.53	22.87	22.60
10	16QAM	1	25	22.51	22.55	22.67
10	16QAM	1	49	22.68	22.44	22.40
10	16QAM	25	0	21.62	21.53	21.63
10	16QAM	25	12	21.57	21.63	21.60
10	16QAM	25	25	21.42	21.63	21.64
10	16QAM	50	0	21.54	21.60	21.57
10	64QAM	1	0	22.56	22.52	22.62
10	64QAM	1	25	22.68	22.58	22.90
10	64QAM	1	49	22.41	22.48	22.40
10	64QAM	25	0	21.62	21.55	21.59
10	64QAM	25	12	21.53	21.59	21.52
10	64QAM	25	25	21.56	21.57	21.67
10	64QAM	50	0	21.60	21.58	21.59



LTE Band26						
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	23.38	23.46	23.46
5	QPSK	1	12	23.37	23.40	23.51
5	QPSK	1	24	23.50	23.41	23.50
5	QPSK	12	0	22.46	22.57	22.59
5	QPSK	12	7	22.45	22.54	22.56
5	QPSK	12	13	22.48	22.45	22.50
5	QPSK	25	0	22.52	22.56	22.57
5	16QAM	1	0	22.85	22.59	22.90
5	16QAM	1	12	22.85	22.57	23.00
5	16QAM	1	24	22.73	22.57	22.70
5	16QAM	12	0	21.53	21.58	21.69
5	16QAM	12	7	21.52	21.55	21.68
5	16QAM	12	13	21.50	21.49	21.52
5	16QAM	25	0	21.62	21.50	21.52
5	64QAM	1	0	22.76	22.61	22.74
5	64QAM	1	12	22.41	22.90	22.58
5	64QAM	1	24	22.41	22.81	22.54
5	64QAM	12	0	21.53	21.53	21.61
5	64QAM	12	7	21.43	21.46	21.55
5	64QAM	12	13	21.44	21.57	21.60
5	64QAM	25	0	21.57	21.52	21.63



LTE Band26						
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	23.29	23.40	23.47
3	QPSK	1	8	23.42	23.41	23.46
3	QPSK	1	14	23.45	23.37	23.34
3	QPSK	8	0	22.50	22.53	22.55
3	QPSK	8	4	22.44	22.58	22.42
3	QPSK	8	7	22.45	22.47	22.53
3	QPSK	15	0	22.48	22.48	22.53
3	16QAM	1	0	22.46	22.43	22.89
3	16QAM	1	8	22.50	22.52	22.85
3	16QAM	1	14	22.40	22.51	22.62
3	16QAM	8	0	21.46	21.60	21.56
3	16QAM	8	4	21.50	21.65	21.46
3	16QAM	8	7	21.45	21.64	21.63
3	16QAM	15	0	21.49	21.71	21.68
3	64QAM	1	0	22.24	22.39	22.35
3	64QAM	1	8	22.22	22.33	22.58
3	64QAM	1	14	22.38	22.32	22.71
3	64QAM	8	0	21.37	21.57	21.76
3	64QAM	8	4	21.45	21.53	21.53
3	64QAM	8	7	21.35	21.50	21.48
3	64QAM	15	0	21.50	21.50	21.56



LTE Band26						
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	23.32	23.40	23.37
1.4	QPSK	1	3	23.39	23.51	23.38
1.4	QPSK	1	5	23.40	23.35	23.33
1.4	QPSK	3	0	23.29	23.35	23.48
1.4	QPSK	3	1	23.33	23.50	23.41
1.4	QPSK	3	3	23.39	23.42	23.42
1.4	QPSK	6	0	22.39	22.45	22.52
1.4	16QAM	1	0	22.49	22.65	22.59
1.4	16QAM	1	3	22.86	22.48	22.45
1.4	16QAM	1	5	22.66	22.58	22.44
1.4	16QAM	3	0	22.39	22.45	22.47
1.4	16QAM	3	1	22.43	22.56	22.38
1.4	16QAM	3	3	22.26	22.27	22.34
1.4	16QAM	6	0	21.48	21.50	21.70
1.4	64QAM	1	0	22.28	22.74	22.42
1.4	64QAM	1	3	22.52	22.68	22.42
1.4	64QAM	1	5	22.42	22.40	22.40
1.4	64QAM	3	0	22.51	22.60	22.27
1.4	64QAM	3	1	22.50	22.27	22.50
1.4	64QAM	3	3	22.43	22.71	22.35
1.4	64QAM	6	0	21.55	21.43	21.59



LTE Band 30						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	27710	/
Frequency (MHz)				/	2310	/
10	QPSK	1	0	/	23.29	/
10	QPSK	1	25	/	23.19	/
10	QPSK	1	49	/	23.39	/
10	QPSK	25	0	/	22.32	/
10	QPSK	25	12	/	22.38	/
10	QPSK	25	25	/	22.27	/
10	QPSK	50	0	/	22.32	/
10	16QAM	1	0	/	22.85	/
10	16QAM	1	25	/	22.45	/
10	16QAM	1	49	/	22.44	/
10	16QAM	25	0	/	21.27	/
10	16QAM	25	12	/	21.28	/
10	16QAM	25	25	/	21.43	/
10	16QAM	50	0	/	21.33	/
10	64QAM	1	0	/	22.54	/
10	64QAM	1	25	/	22.39	/
10	64QAM	1	49	/	22.39	/
10	64QAM	25	0	/	21.34	/
10	64QAM	25	12	/	21.32	/
10	64QAM	25	25	/	21.32	/
10	64QAM	50	0	/	21.30	/





LTE Band 30						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				27685	27710	27735
Frequency (MHz)				2307.5	2310	2312.5
5	QPSK	1	0	23.26	23.28	23.33
5	QPSK	1	12	23.32	23.25	23.23
5	QPSK	1	24	23.39	23.24	23.21
5	QPSK	12	0	22.29	22.31	22.28
5	QPSK	12	7	22.28	22.32	22.27
5	QPSK	12	13	22.23	22.30	22.28
5	QPSK	25	0	23.31	23.25	23.27
5	16QAM	1	0	22.66	22.63	22.74
5	16QAM	1	12	22.65	22.64	22.26
5	16QAM	1	24	22.64	22.63	22.46
5	16QAM	12	0	21.23	21.26	21.39
5	16QAM	12	7	21.37	21.37	21.23
5	16QAM	12	13	21.30	21.24	21.35
5	16QAM	25	0	22.34	22.34	22.36
5	64QAM	1	0	22.32	22.49	22.57
5	64QAM	1	12	22.36	22.50	22.50
5	64QAM	1	24	22.43	22.14	22.51
5	64QAM	12	0	21.31	21.36	21.28
5	64QAM	12	7	21.30	21.44	21.21
5	64QAM	12	13	21.29	21.26	21.26
5	64QAM	25	0	21.56	21.25	21.28



LTE Band41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	25.57	26.34	25.27
20	QPSK	1	49	25.80	26.57	25.98
20	QPSK	1	99	25.87	26.30	25.55
20	QPSK	50	0	25.66	25.97	25.89
20	QPSK	50	24	25.67	25.96	25.95
20	QPSK	50	50	25.43	25.91	25.90
20	QPSK	100	0	25.53	25.77	25.73
20	16QAM	1	0	24.47	25.64	24.56
20	16QAM	1	49	24.76	25.54	25.44
20	16QAM	1	99	24.25	25.45	24.95
20	16QAM	50	0	24.56	24.93	24.55
20	16QAM	50	24	24.77	24.69	24.84
20	16QAM	50	50	24.64	24.90	24.79
20	16QAM	100	0	24.74	24.91	24.72
20	64QAM	1	0	24.45	25.65	24.69
20	64QAM	1	49	24.79	25.59	25.56
20	64QAM	1	99	24.27	25.44	25.05
20	64QAM	50	0	24.75	24.91	24.79
20	64QAM	50	24	24.76	24.91	24.81
20	64QAM	50	50	24.58	24.80	24.56
20	64QAM	100	0	24.78	24.83	24.82



LTE Band41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	25.31	26.53	25.65
15	QPSK	1	37	25.42	26.54	26.02
15	QPSK	1	74	25.45	26.50	25.86
15	QPSK	36	0	25.60	25.84	25.77
15	QPSK	36	20	25.60	25.85	25.79
15	QPSK	36	39	25.39	25.81	25.68
15	QPSK	75	0	25.46	25.86	25.71
15	16QAM	1	0	24.50	25.77	24.94
15	16QAM	1	37	24.63	25.65	25.37
15	16QAM	1	74	24.21	25.46	25.23
15	16QAM	36	0	24.43	24.69	24.55
15	16QAM	36	20	24.57	24.69	24.59
15	16QAM	36	39	24.37	24.68	24.55
15	16QAM	75	0	24.67	24.88	24.71
15	64QAM	1	0	24.51	25.70	25.05
15	64QAM	1	37	24.72	25.72	25.49
15	64QAM	1	74	24.51	24.70	24.71
15	64QAM	36	0	24.57	24.71	24.78
15	64QAM	36	20	24.49	24.83	24.67
15	64QAM	36	39	24.64	24.70	24.65
15	64QAM	75	0	24.55	24.68	24.58



LTE Band41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	25.44	26.51	25.79
10	QPSK	1	25	25.35	26.55	25.94
10	QPSK	1	49	25.09	26.59	25.90
10	QPSK	25	0	25.63	25.98	25.94
10	QPSK	25	12	25.60	25.85	25.99
10	QPSK	25	25	25.37	25.93	25.9
10	QPSK	50	0	25.49	25.96	25.84
10	16QAM	1	0	24.67	25.67	25.18
10	16QAM	1	25	24.67	25.53	25.41
10	16QAM	1	49	24.41	25.71	25.36
10	16QAM	25	0	24.57	24.79	24.79
10	16QAM	25	12	24.63	24.92	24.73
10	16QAM	25	25	24.55	24.74	24.72
10	16QAM	50	0	24.48	24.9	24.82
10	64QAM	1	0	24.73	25.71	25.28
10	64QAM	1	25	24.72	25.60	25.47
10	64QAM	1	49	24.44	25.78	25.42
10	64QAM	25	0	24.54	24.80	24.70
10	64QAM	25	12	24.55	24.86	24.69
10	64QAM	25	25	24.55	24.67	24.67
10	64QAM	50	0	24.64	24.79	24.76



LTE Band41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	25.71	26.43	26.04
5	QPSK	1	12	25.38	26.54	25.91
5	QPSK	1	24	25.38	25.93	25.99
5	QPSK	12	0	25.68	25.95	25.92
5	QPSK	12	7	25.66	25.92	25.93
5	QPSK	12	13	25.61	25.85	25.91
5	QPSK	25	0	25.59	25.91	25.87
5	16QAM	1	0	24.91	25.7	25.42
5	16QAM	1	12	24.64	25.64	25.4
5	16QAM	1	24	24.74	25.51	25.51
5	16QAM	12	0	24.58	24.79	24.74
5	16QAM	12	7	24.64	24.78	24.70
5	16QAM	12	13	24.61	24.81	24.68
5	16QAM	25	0	24.62	24.74	24.61
5	64QAM	1	0	25.02	25.63	25.52
5	64QAM	1	12	24.73	25.76	25.46
5	64QAM	1	24	24.79	25.69	25.57
5	64QAM	12	0	24.54	24.77	24.73
5	64QAM	12	7	24.61	24.85	24.75
5	64QAM	12	13	24.52	24.80	24.67
5	64QAM	25	0	24.53	24.69	24.55



LTE Band66						
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	24.30	24.24	24.15
20	QPSK	1	49	24.21	24.14	24.01
20	QPSK	1	99	24.24	23.87	23.86
20	QPSK	50	0	23.23	23.22	23.01
20	QPSK	50	24	23.21	23.17	23.04
20	QPSK	50	50	23.19	23.10	22.96
20	QPSK	100	0	23.25	23.14	23.00
20	16QAM	1	0	23.54	23.72	23.74
20	16QAM	1	49	23.68	23.56	23.42
20	16QAM	1	99	23.74	23.53	23.46
20	16QAM	50	0	22.31	22.36	22.17
20	16QAM	50	24	22.33	22.27	22.17
20	16QAM	50	50	22.35	22.21	22.06
20	16QAM	100	0	22.33	22.27	22.13
20	64QAM	1	0	23.57	23.65	23.60
20	64QAM	1	49	23.62	23.56	23.30
20	64QAM	1	99	23.66	23.51	23.38
20	64QAM	50	0	22.24	22.28	22.08
20	64QAM	50	24	22.31	22.27	22.07
20	64QAM	50	50	22.28	22.22	22.07
20	64QAM	100	0	22.31	22.25	22.18



LTE Band66						
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	24.18	24.12	24.03
15	QPSK	1	37	24.09	24.02	23.89
15	QPSK	1	74	24.12	23.75	23.74
15	QPSK	36	0	23.11	23.10	22.89
15	QPSK	36	20	23.09	23.05	22.92
15	QPSK	36	39	23.07	22.98	22.84
15	QPSK	75	0	23.13	23.02	22.88
15	16QAM	1	0	23.42	23.60	23.62
15	16QAM	1	37	23.56	23.44	23.30
15	16QAM	1	74	23.62	23.41	23.34
15	16QAM	36	0	22.19	22.24	22.05
15	16QAM	36	20	22.21	22.15	22.05
15	16QAM	36	39	22.23	22.09	21.94
15	16QAM	75	0	22.21	22.15	22.01
15	64QAM	1	0	23.45	23.53	23.48
15	64QAM	1	37	23.50	23.44	23.18
15	64QAM	1	74	23.54	23.39	23.26
15	64QAM	36	0	22.12	22.16	21.96
15	64QAM	36	20	22.19	22.15	21.95
15	64QAM	36	39	22.16	22.10	21.95
15	64QAM	75	0	22.19	22.13	22.06



LTE Band66						
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	24.11	24.05	23.96
10	QPSK	1	25	24.02	23.95	23.82
10	QPSK	1	49	24.05	23.68	23.67
10	QPSK	25	0	23.04	23.03	22.82
10	QPSK	25	12	23.02	22.98	22.85
10	QPSK	25	25	23.00	22.91	22.77
10	QPSK	50	0	23.06	22.95	22.81
10	16QAM	1	0	23.35	23.53	23.55
10	16QAM	1	25	23.49	23.37	23.23
10	16QAM	1	49	23.55	23.34	23.27
10	16QAM	25	0	22.12	22.17	21.98
10	16QAM	25	12	22.14	22.08	21.98
10	16QAM	25	25	22.16	22.02	21.87
10	16QAM	50	0	22.14	22.08	21.94
10	64QAM	1	0	23.38	23.46	23.41
10	64QAM	1	25	23.43	23.37	23.11
10	64QAM	1	49	23.47	23.32	23.19
10	64QAM	25	0	22.05	22.09	21.89
10	64QAM	25	12	22.12	22.08	21.88
10	64QAM	25	25	22.09	22.03	21.88
10	64QAM	50	0	22.12	22.06	21.99





LTE Band66						
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	24.21	24.15	24.06
5	QPSK	1	12	24.12	24.05	23.92
5	QPSK	1	24	24.15	23.78	23.77
5	QPSK	12	0	23.14	23.13	22.92
5	QPSK	12	7	23.12	23.08	22.95
5	QPSK	12	13	23.10	23.01	22.87
5	QPSK	25	0	23.16	23.05	22.91
5	16QAM	1	0	23.45	23.63	23.65
5	16QAM	1	12	23.59	23.47	23.33
5	16QAM	1	24	23.65	23.44	23.37
5	16QAM	12	0	22.22	22.27	22.08
5	16QAM	12	7	22.24	22.18	22.08
5	16QAM	12	13	22.26	22.12	21.97
5	16QAM	25	0	22.24	22.18	22.04
5	64QAM	1	0	23.48	23.56	23.51
5	64QAM	1	12	23.53	23.47	23.21
5	64QAM	1	24	23.57	23.42	23.29
5	64QAM	12	0	22.15	22.19	21.99
5	64QAM	12	7	22.22	22.18	21.98
5	64QAM	12	13	22.19	22.13	21.98
5	64QAM	25	0	22.22	22.16	22.09



LTE Band66						
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	24.27	24.21	24.12
3	QPSK	1	8	24.18	24.11	23.98
3	QPSK	1	14	24.21	23.84	23.83
3	QPSK	8	0	23.20	23.19	22.98
3	QPSK	8	4	23.18	23.14	23.01
3	QPSK	8	7	23.16	23.07	22.93
3	QPSK	15	0	23.22	23.11	22.97
3	16QAM	1	0	23.51	23.69	23.71
3	16QAM	1	8	23.65	23.53	23.39
3	16QAM	1	14	23.71	23.50	23.43
3	16QAM	8	0	22.28	22.33	22.14
3	16QAM	8	4	22.30	22.24	22.14
3	16QAM	8	7	22.32	22.18	22.03
3	16QAM	15	0	22.30	22.24	22.10
3	64QAM	1	0	23.54	23.62	23.57
3	64QAM	1	8	23.59	23.53	23.27
3	64QAM	1	14	23.63	23.48	23.35
3	64QAM	8	0	22.21	22.25	22.05
3	64QAM	8	4	22.28	22.24	22.04
3	64QAM	8	7	22.25	22.19	22.04
3	64QAM	15	0	22.28	22.22	22.15



LTE Band66						
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	24.09	24.03	23.94
1.4	QPSK	1	3	24.00	23.93	23.80
1.4	QPSK	1	5	24.03	23.66	23.65
1.4	QPSK	3	0	23.02	23.01	22.80
1.4	QPSK	3	1	23.00	22.96	22.83
1.4	QPSK	3	3	22.98	22.89	22.75
1.4	QPSK	6	0	23.04	22.93	22.79
1.4	16QAM	1	0	23.33	23.51	23.53
1.4	16QAM	1	3	23.47	23.35	23.21
1.4	16QAM	1	5	23.53	23.32	23.25
1.4	16QAM	3	0	22.10	22.15	21.96
1.4	16QAM	3	1	22.12	22.06	21.96
1.4	16QAM	3	3	22.14	22.00	21.85
1.4	16QAM	6	0	22.12	22.06	22.02
1.4	64QAM	1	0	22.36	22.44	22.39
1.4	64QAM	1	3	22.41	22.35	22.09
1.4	64QAM	1	5	22.45	22.30	22.17
1.4	64QAM	3	0	22.03	22.07	22.17
1.4	64QAM	3	1	22.10	22.06	22.16
1.4	64QAM	3	3	22.07	22.01	22.06
1.4	64QAM	6	0	22.10	22.04	21.97



LTE Band71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	23.90	23.71	23.77
20	QPSK	1	49	23.56	23.39	23.34
20	QPSK	1	99	23.48	23.37	23.41
20	QPSK	50	0	22.99	22.80	22.77
20	QPSK	50	24	22.65	22.48	22.43
20	QPSK	50	50	22.57	22.46	22.50
20	QPSK	100	0	22.60	22.52	22.48
20	16QAM	1	0	22.89	22.80	22.83
20	16QAM	1	49	22.95	22.78	22.73
20	16QAM	1	99	22.87	22.76	22.80
20	16QAM	50	0	22.90	22.82	22.78
20	16QAM	50	24	22.88	22.39	22.42
20	16QAM	50	50	22.54	22.37	22.32
20	16QAM	100	0	22.46	22.35	22.39
20	64QAM	1	0	23.23	23.15	23.11
20	64QAM	1	49	23.21	22.72	22.75
20	64QAM	1	99	22.87	22.70	22.65
20	64QAM	50	0	22.91	22.83	22.79
20	64QAM	50	24	22.89	22.40	22.43
20	64QAM	50	50	22.55	22.38	22.33
20	64QAM	100	0	22.58	22.40	22.40



LTE Band71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5
15	QPSK	1	0	23.53	23.42	23.65
15	QPSK	1	37	23.51	23.39	23.41
15	QPSK	1	74	23.48	23.36	23.36
15	QPSK	36	0	22.62	22.51	22.74
15	QPSK	36	20	22.60	22.48	22.50
15	QPSK	36	39	22.57	22.45	22.45
15	QPSK	75	0	22.53	22.42	22.48
15	16QAM	1	0	22.92	22.81	23.04
15	16QAM	1	37	22.90	22.78	22.80
15	16QAM	1	74	22.87	22.75	22.75
15	16QAM	36	0	22.83	22.72	22.78
15	16QAM	36	20	22.51	22.40	22.63
15	16QAM	36	39	22.49	22.37	22.39
15	16QAM	75	0	22.46	22.34	22.34
15	64QAM	1	0	22.76	22.78	22.85
15	64QAM	1	37	22.84	22.73	22.96
15	64QAM	1	74	22.82	22.70	22.72
15	64QAM	36	0	22.84	22.73	22.79
15	64QAM	36	20	22.52	22.41	22.64
15	64QAM	36	39	22.50	22.38	22.40
15	64QAM	75	0	22.55	22.43	22.39



LTE Band71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133297	133422
Frequency (MHz)				668	680.5	693
10	QPSK	1	0	23.56	23.55	23.37
10	QPSK	1	25	23.53	23.43	23.27
10	QPSK	1	49	23.55	23.30	23.30
10	QPSK	25	0	22.65	22.64	22.46
10	QPSK	25	12	22.62	22.52	22.36
10	QPSK	25	25	22.64	22.39	22.39
10	QPSK	50	0	22.61	22.47	22.42
10	16QAM	1	0	22.95	22.94	22.76
10	16QAM	1	25	22.92	22.82	22.66
10	16QAM	1	49	22.94	22.69	22.69
10	16QAM	25	0	22.91	22.77	22.72
10	16QAM	25	12	22.54	22.53	22.35
10	16QAM	25	25	22.51	22.41	22.25
10	16QAM	50	0	22.53	22.28	22.28
10	64QAM	1	0	22.78	22.89	22.85
10	64QAM	1	25	22.87	22.86	22.68
10	64QAM	1	49	22.84	22.74	22.58
10	64QAM	25	0	22.92	22.78	22.73
10	64QAM	25	12	22.55	22.54	22.36
10	64QAM	25	25	22.52	22.42	22.26
10	64QAM	50	0	22.49	22.41	22.35



LTE Band71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133297	133447
Frequency (MHz)				665.5	680.5	695.5
5	QPSK	1	0	23.64	23.51	23.36
5	QPSK	1	12	23.62	23.44	23.33
5	QPSK	1	24	23.52	23.32	23.16
5	QPSK	12	0	22.73	22.60	22.45
5	QPSK	12	7	22.71	22.53	22.42
5	QPSK	12	13	22.61	22.41	22.25
5	QPSK	25	0	22.60	22.42	22.42
5	16QAM	1	0	23.03	22.90	22.75
5	16QAM	1	12	23.01	22.83	22.72
5	16QAM	1	24	22.91	22.71	22.55
5	16QAM	12	0	22.90	22.72	22.72
5	16QAM	12	7	22.62	22.49	22.34
5	16QAM	12	13	22.60	22.42	22.31
5	16QAM	25	0	22.50	22.30	22.14
5	64QAM	1	0	22.98	22.85	22.75
5	64QAM	1	12	22.95	22.82	22.67
5	64QAM	1	24	22.93	22.75	22.64
5	64QAM	12	0	22.91	22.73	22.73
5	64QAM	12	7	22.63	22.50	22.35
5	64QAM	12	13	22.61	22.43	22.32
5	64QAM	25	0	22.55	22.44	22.40



**Effective Radiated Power and Effective Isotropic Radiated Power:**

LTE Band2				Measured EIRP					
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	22.73	0.187	22.91	0.195	22.83	0.192
20	QPSK	1	49	22.88	0.194	22.86	0.193	22.70	0.186
20	QPSK	1	99	22.69	0.186	22.48	0.177	22.70	0.186
20	QPSK	50	0	21.82	0.152	21.89	0.155	21.64	0.146
20	QPSK	50	24	21.84	0.153	21.78	0.151	21.80	0.151
20	QPSK	50	50	21.74	0.149	21.75	0.150	21.74	0.149
20	QPSK	100	0	21.90	0.155	21.79	0.151	21.63	0.146
20	16QAM	1	0	21.98	0.158	22.39	0.173	22.11	0.163
20	16QAM	1	49	22.21	0.166	22.09	0.162	22.27	0.169
20	16QAM	1	99	22.16	0.164	22.17	0.165	21.99	0.158
20	16QAM	50	0	20.99	0.126	20.96	0.125	20.91	0.123
20	16QAM	50	24	20.99	0.126	20.95	0.124	21.02	0.126
20	16QAM	50	50	20.95	0.124	20.85	0.122	20.87	0.122
20	16QAM	100	0	20.99	0.126	20.84	0.121	20.68	0.117
20	64QAM	1	0	21.88	0.154	22.06	0.161	21.95	0.157
20	64QAM	1	49	21.82	0.152	22.07	0.161	22.00	0.158
20	64QAM	1	99	22.25	0.168	21.83	0.152	22.03	0.160
20	64QAM	50	0	20.95	0.124	20.95	0.124	20.70	0.117
20	64QAM	50	24	21.04	0.127	20.96	0.125	20.86	0.122
20	64QAM	50	50	20.96	0.125	20.78	0.120	20.94	0.124
20	64QAM	100	0	20.91	0.123	21.06	0.128	20.81	0.121





LTE Band2				Measured EIRP					
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	22.84	0.192	22.72	0.187	22.47	0.177
15	QPSK	1	37	22.90	0.195	22.75	0.188	22.64	0.184
15	QPSK	1	74	22.78	0.190	22.80	0.191	22.58	0.181
15	QPSK	36	0	21.78	0.151	21.81	0.152	21.62	0.145
15	QPSK	36	20	21.89	0.155	21.77	0.150	21.67	0.147
15	QPSK	36	39	21.90	0.155	21.68	0.147	21.72	0.149
15	QPSK	75	0	21.78	0.151	21.69	0.148	21.73	0.149
15	16QAM	1	0	22.40	0.174	22.38	0.173	22.01	0.159
15	16QAM	1	37	22.12	0.163	22.39	0.173	21.96	0.157
15	16QAM	1	74	22.37	0.173	21.99	0.158	21.95	0.157
15	16QAM	36	0	22.02	0.159	21.95	0.157	21.96	0.157
15	16QAM	36	20	22.14	0.164	21.90	0.155	21.75	0.150
15	16QAM	36	39	22.09	0.162	22.03	0.160	21.65	0.146
15	16QAM	75	0	21.06	0.128	20.84	0.121	20.74	0.119
15	64QAM	1	0	22.34	0.171	22.20	0.166	22.23	0.167
15	64QAM	1	37	22.08	0.161	22.13	0.163	22.25	0.168
15	64QAM	1	74	22.06	0.161	22.02	0.159	21.90	0.155
15	64QAM	36	0	21.99	0.158	21.75	0.150	21.94	0.156
15	64QAM	36	20	21.98	0.158	21.99	0.158	21.86	0.153
15	64QAM	36	39	21.97	0.157	21.91	0.155	21.87	0.154
15	64QAM	75	0	21.00	0.126	20.78	0.120	20.77	0.119



LTE Band2				Measured EIRP					
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	22.89	0.195	22.86	0.193	22.62	0.183
10	QPSK	1	25	22.63	0.183	22.74	0.188	22.73	0.187
10	QPSK	1	49	22.85	0.193	22.67	0.185	22.73	0.187
10	QPSK	25	0	21.94	0.156	21.84	0.153	21.78	0.151
10	QPSK	25	12	21.81	0.152	21.83	0.152	21.69	0.148
10	QPSK	25	25	21.76	0.150	21.72	0.149	21.69	0.148
10	QPSK	50	0	21.84	0.153	21.78	0.151	21.72	0.149
10	16QAM	1	0	22.06	0.161	22.08	0.161	22.43	0.175
10	16QAM	1	25	22.14	0.164	22.52	0.179	22.13	0.163
10	16QAM	1	49	22.06	0.161	22.45	0.176	22.09	0.162
10	16QAM	25	0	20.96	0.125	21.04	0.127	20.81	0.121
10	16QAM	25	12	21.08	0.128	20.96	0.125	20.91	0.123
10	16QAM	25	25	21.01	0.126	21.01	0.126	20.86	0.122
10	16QAM	50	0	20.91	0.123	20.85	0.122	20.97	0.125
10	64QAM	1	0	22.25	0.168	22.17	0.165	21.90	0.155
10	64QAM	1	25	22.35	0.172	22.17	0.165	21.96	0.157
10	64QAM	1	49	22.36	0.172	22.08	0.161	22.04	0.160
10	64QAM	25	0	21.00	0.126	20.92	0.124	20.94	0.124
10	64QAM	25	12	20.94	0.124	21.02	0.126	20.82	0.121
10	64QAM	25	25	21.07	0.128	20.89	0.123	20.85	0.122
10	64QAM	50	0	20.95	0.124	20.86	0.122	20.92	0.124



LTE Band2				Measured EIRP					
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	22.82	0.191	22.88	0.194	22.51	0.178
5	QPSK	1	12	22.85	0.193	22.86	0.193	22.71	0.187
5	QPSK	1	24	22.82	0.191	22.89	0.195	22.67	0.185
5	QPSK	12	0	21.91	0.155	21.80	0.151	21.82	0.152
5	QPSK	12	7	21.98	0.158	21.83	0.152	21.88	0.154
5	QPSK	12	13	21.88	0.154	21.74	0.149	21.79	0.151
5	QPSK	25	0	21.93	0.156	21.74	0.149	21.73	0.149
5	16QAM	1	0	22.16	0.164	22.13	0.163	22.20	0.166
5	16QAM	1	12	22.10	0.162	22.12	0.163	21.99	0.158
5	16QAM	1	24	22.09	0.162	22.11	0.163	21.75	0.150
5	16QAM	12	0	21.09	0.129	20.98	0.125	20.92	0.124
5	16QAM	12	7	21.02	0.126	21.11	0.129	20.89	0.123
5	16QAM	12	13	21.10	0.129	20.96	0.125	20.88	0.122
5	16QAM	25	0	21.02	0.126	21.00	0.126	21.02	0.126
5	64QAM	1	0	22.40	0.174	22.17	0.165	22.00	0.158
5	64QAM	1	12	22.05	0.160	22.47	0.177	22.07	0.161
5	64QAM	1	24	22.12	0.163	22.14	0.164	22.14	0.164
5	64QAM	12	0	21.05	0.127	20.84	0.121	20.81	0.121
5	64QAM	12	7	20.95	0.124	21.10	0.129	20.82	0.121
5	64QAM	12	13	21.01	0.126	20.89	0.123	20.97	0.125
5	64QAM	25	0	20.99	0.126	20.90	0.123	20.86	0.122



LTE Band2				Measured EIRP					
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	22.81	0.191	22.75	0.188	22.65	0.184
3	QPSK	1	8	22.91	0.195	22.78	0.190	22.77	0.189
3	QPSK	1	14	22.82	0.191	22.76	0.189	22.57	0.181
3	QPSK	8	0	21.91	0.155	21.77	0.150	21.78	0.151
3	QPSK	8	4	21.88	0.154	21.87	0.154	21.75	0.150
3	QPSK	8	7	21.88	0.154	21.79	0.151	21.85	0.153
3	QPSK	15	0	21.86	0.153	21.88	0.154	21.73	0.149
3	16QAM	1	0	22.00	0.158	22.06	0.161	22.27	0.169
3	16QAM	1	8	22.13	0.163	22.42	0.175	22.28	0.169
3	16QAM	1	14	22.47	0.177	22.45	0.176	22.02	0.159
3	16QAM	8	0	21.19	0.132	21.05	0.127	20.78	0.120
3	16QAM	8	4	21.26	0.134	21.14	0.130	21.01	0.126
3	16QAM	8	7	21.08	0.128	21.13	0.130	20.84	0.121
3	16QAM	15	0	20.92	0.124	21.10	0.129	21.00	0.126
3	64QAM	1	0	22.35	0.172	22.14	0.164	21.98	0.158
3	64QAM	1	8	22.18	0.165	22.06	0.161	21.90	0.155
3	64QAM	1	14	22.20	0.166	22.09	0.162	21.89	0.155
3	64QAM	8	0	21.08	0.128	20.86	0.122	20.88	0.122
3	64QAM	8	4	21.07	0.128	21.09	0.129	20.98	0.125
3	64QAM	8	7	21.08	0.128	20.98	0.125	20.85	0.122
3	64QAM	15	0	20.93	0.124	20.87	0.122	20.87	0.122



LTE Band2				Measured EIRP					
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	22.84	0.192	22.72	0.187	22.47	0.177
1.4	QPSK	1	3	22.89	0.195	22.75	0.188	22.64	0.184
1.4	QPSK	1	5	22.78	0.190	22.80	0.191	22.58	0.181
1.4	QPSK	3	0	22.78	0.190	22.81	0.191	22.62	0.183
1.4	QPSK	3	1	22.91	0.195	22.77	0.189	22.67	0.185
1.4	QPSK	3	3	22.93	0.196	22.68	0.185	22.72	0.187
1.4	QPSK	6	0	21.78	0.151	21.69	0.148	21.73	0.149
1.4	16QAM	1	0	22.30	0.170	22.29	0.169	22.01	0.159
1.4	16QAM	1	3	22.12	0.163	22.27	0.169	21.82	0.152
1.4	16QAM	1	5	22.30	0.170	21.99	0.158	21.95	0.157
1.4	16QAM	3	0	22.02	0.159	21.95	0.157	21.86	0.153
1.4	16QAM	3	1	22.14	0.164	21.90	0.155	21.75	0.150
1.4	16QAM	3	3	22.09	0.162	22.03	0.160	21.65	0.146
1.4	16QAM	6	0	21.06	0.128	20.84	0.121	20.74	0.119
1.4	64QAM	1	0	22.48	0.177	22.20	0.166	22.23	0.167
1.4	64QAM	1	3	22.08	0.161	22.13	0.163	22.25	0.168
1.4	64QAM	1	5	22.06	0.161	22.02	0.159	22.00	0.158
1.4	64QAM	3	0	21.99	0.158	21.75	0.150	22.04	0.160
1.4	64QAM	3	1	22.09	0.162	22.03	0.160	21.86	0.153
1.4	64QAM	3	3	22.07	0.161	21.91	0.155	21.87	0.154
1.4	64QAM	6	0	21.00	0.126	20.78	0.120	20.77	0.119



LTE Band4				Measured EIRP					
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	21.48	0.141	21.47	0.140	21.55	0.143
20	QPSK	1	49	21.49	0.141	21.39	0.138	21.35	0.136
20	QPSK	1	99	21.34	0.136	21.33	0.136	21.30	0.135
20	QPSK	50	0	20.44	0.111	20.59	0.115	20.60	0.115
20	QPSK	50	24	20.56	0.114	20.58	0.114	20.54	0.113
20	QPSK	50	50	20.58	0.114	20.54	0.113	20.45	0.111
20	QPSK	100	0	20.49	0.112	20.52	0.113	20.52	0.113
20	16QAM	1	0	20.61	0.115	20.86	0.122	20.72	0.118
20	16QAM	1	49	20.58	0.114	20.76	0.119	20.37	0.109
20	16QAM	1	99	20.62	0.115	20.49	0.112	20.85	0.122
20	16QAM	50	0	19.66	0.092	19.68	0.093	19.63	0.092
20	16QAM	50	24	19.60	0.091	19.73	0.094	19.68	0.093
20	16QAM	50	50	19.58	0.091	19.53	0.090	19.44	0.088
20	16QAM	100	0	19.52	0.090	19.55	0.090	19.61	0.091
20	64QAM	1	0	20.41	0.110	20.69	0.117	20.64	0.116
20	64QAM	1	49	20.68	0.117	20.73	0.118	20.56	0.114
20	64QAM	1	99	20.64	0.116	20.41	0.110	20.52	0.113
20	64QAM	50	0	19.55	0.090	19.69	0.093	19.57	0.091
20	64QAM	50	24	19.60	0.091	19.68	0.093	19.62	0.092
20	64QAM	50	50	19.61	0.091	19.57	0.091	19.54	0.090
20	64QAM	100	0	19.53	0.090	19.64	0.092	19.61	0.091



LTE Band4				Measured EIRP					
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	21.48	0.141	21.32	0.136	21.22	0.132
15	QPSK	1	37	21.48	0.141	21.23	0.133	21.02	0.126
15	QPSK	1	74	21.35	0.136	21.03	0.127	21.05	0.127
15	QPSK	36	0	20.58	0.114	20.41	0.110	20.17	0.104
15	QPSK	36	20	20.50	0.112	20.35	0.108	20.17	0.104
15	QPSK	36	39	20.42	0.110	20.27	0.106	20.13	0.103
15	QPSK	75	0	20.50	0.112	20.34	0.108	20.19	0.104
15	16QAM	1	0	20.66	0.116	20.79	0.120	20.32	0.108
15	16QAM	1	37	20.64	0.116	20.57	0.114	20.30	0.107
15	16QAM	1	74	20.46	0.111	20.29	0.107	20.71	0.118
15	16QAM	36	0	19.66	0.092	19.55	0.090	19.29	0.085
15	16QAM	36	20	19.58	0.091	19.47	0.089	19.28	0.085
15	16QAM	36	39	19.53	0.090	19.39	0.087	19.29	0.085
15	16QAM	75	0	19.54	0.090	19.45	0.088	19.32	0.086
15	64QAM	1	0	20.45	0.111	20.77	0.119	20.70	0.117
15	64QAM	1	37	20.57	0.114	20.27	0.106	20.28	0.107
15	64QAM	1	74	20.28	0.107	20.46	0.111	20.28	0.107
15	64QAM	36	0	19.59	0.091	19.58	0.091	19.32	0.086
15	64QAM	36	20	19.63	0.092	19.43	0.088	19.30	0.085
15	64QAM	36	39	19.56	0.090	19.35	0.086	19.24	0.084
15	64QAM	75	0	19.54	0.090	19.54	0.090	19.28	0.085



LTE Band4				Measured EIRP					
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	21.32	0.136	21.30	0.135	21.25	0.133
10	QPSK	1	25	21.29	0.135	21.27	0.134	21.08	0.128
10	QPSK	1	49	21.28	0.134	21.07	0.128	20.92	0.124
10	QPSK	25	0	20.49	0.112	20.53	0.113	20.35	0.108
10	QPSK	25	12	20.56	0.114	20.46	0.111	20.25	0.106
10	QPSK	25	25	20.46	0.111	20.33	0.108	20.14	0.103
10	QPSK	50	0	20.52	0.113	20.38	0.109	20.24	0.106
10	16QAM	1	0	20.49	0.112	20.72	0.118	20.40	0.110
10	16QAM	1	25	20.62	0.115	20.59	0.115	20.59	0.115
10	16QAM	1	49	20.51	0.112	20.58	0.114	20.24	0.106
10	16QAM	25	0	19.66	0.092	19.58	0.091	19.34	0.086
10	16QAM	25	12	19.61	0.091	19.54	0.090	19.41	0.087
10	16QAM	25	25	19.58	0.091	19.38	0.087	19.30	0.085
10	16QAM	50	0	19.56	0.090	19.45	0.088	19.27	0.085
10	64QAM	1	0	20.41	0.110	20.51	0.112	20.44	0.111
10	64QAM	1	25	20.42	0.110	20.57	0.114	20.21	0.105
10	64QAM	1	49	20.40	0.110	20.12	0.103	20.11	0.103
10	64QAM	25	0	19.57	0.091	19.57	0.091	19.31	0.085
10	64QAM	25	12	19.66	0.092	19.48	0.089	19.31	0.085
10	64QAM	25	25	19.48	0.089	19.28	0.085	19.25	0.084
10	64QAM	50	0	19.60	0.091	19.52	0.090	19.28	0.085





LTE Band4				Measured EIRP					
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	21.44	0.139	21.41	0.138	21.21	0.132
5	QPSK	1	12	21.35	0.136	21.36	0.137	21.03	0.127
5	QPSK	1	24	21.41	0.138	21.17	0.131	21.01	0.126
5	QPSK	12	0	20.46	0.111	20.48	0.112	20.27	0.106
5	QPSK	12	7	20.48	0.112	20.44	0.111	20.28	0.107
5	QPSK	12	13	20.34	0.108	20.26	0.106	20.13	0.103
5	QPSK	25	0	20.49	0.112	20.40	0.110	20.27	0.106
5	16QAM	1	0	20.48	0.112	20.70	0.117	20.59	0.115
5	16QAM	1	12	20.74	0.119	20.80	0.120	20.30	0.107
5	16QAM	1	24	20.35	0.108	20.46	0.111	20.57	0.114
5	16QAM	12	0	19.52	0.090	19.63	0.092	19.25	0.084
5	16QAM	12	7	19.56	0.090	19.57	0.091	19.27	0.085
5	16QAM	12	13	19.57	0.091	19.41	0.087	19.24	0.084
5	16QAM	25	0	19.64	0.092	19.46	0.088	19.27	0.085
5	64QAM	1	0	20.33	0.108	20.62	0.115	20.26	0.106
5	64QAM	1	12	20.71	0.118	20.61	0.115	20.33	0.108
5	64QAM	1	24	20.41	0.110	20.30	0.107	20.22	0.105
5	64QAM	12	0	19.64	0.092	19.63	0.092	19.31	0.085
5	64QAM	12	7	19.56	0.090	19.48	0.089	19.31	0.085
5	64QAM	12	13	19.52	0.090	19.33	0.086	19.25	0.084
5	64QAM	25	0	19.56	0.090	19.51	0.089	19.28	0.085



LTE Band4				Measured EIRP					
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	21.53	0.142	21.48	0.141	21.22	0.132
3	QPSK	1	8	21.44	0.139	21.22	0.132	21.15	0.130
3	QPSK	1	14	21.24	0.133	21.22	0.132	21.06	0.128
3	QPSK	8	0	20.53	0.113	20.45	0.111	20.26	0.106
3	QPSK	8	4	20.47	0.111	20.40	0.110	20.24	0.106
3	QPSK	8	7	20.46	0.111	20.34	0.108	20.10	0.102
3	QPSK	15	0	20.48	0.112	20.40	0.110	20.23	0.105
3	16QAM	1	0	20.62	0.115	20.85	0.122	20.69	0.117
3	16QAM	1	8	20.81	0.121	20.55	0.114	20.41	0.110
3	16QAM	1	14	20.43	0.110	20.60	0.115	20.35	0.108
3	16QAM	8	0	19.58	0.091	19.62	0.092	19.35	0.086
3	16QAM	8	4	19.55	0.090	19.50	0.089	19.25	0.084
3	16QAM	8	7	19.51	0.089	19.33	0.086	19.21	0.083
3	16QAM	15	0	19.56	0.090	19.53	0.090	19.24	0.084
3	64QAM	1	0	20.55	0.114	20.77	0.119	20.33	0.108
3	64QAM	1	8	20.61	0.115	20.28	0.107	20.31	0.107
3	64QAM	1	14	20.32	0.108	20.30	0.107	20.27	0.106
3	64QAM	8	0	19.55	0.090	19.58	0.091	19.28	0.085
3	64QAM	8	4	19.54	0.090	19.56	0.090	19.40	0.087
3	64QAM	8	7	19.56	0.090	19.38	0.087	19.37	0.086
3	64QAM	15	0	19.59	0.091	19.47	0.089	19.26	0.084



LTE Band4				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dbm	W	dbm	W	dbm	W
1.4	QPSK	1	0	21.38	0.137	21.35	0.136	21.24	0.133
1.4	QPSK	1	3	21.38	0.137	21.28	0.134	21.15	0.130
1.4	QPSK	1	5	21.35	0.136	21.09	0.129	20.97	0.125
1.4	QPSK	3	0	20.58	0.114	20.41	0.110	20.27	0.106
1.4	QPSK	3	1	20.50	0.112	20.36	0.109	20.27	0.106
1.4	QPSK	3	3	20.42	0.110	20.32	0.108	20.15	0.104
1.4	QPSK	6	0	20.50	0.112	20.36	0.109	20.28	0.107
1.4	16QAM	1	0	20.72	0.118	20.66	0.116	20.54	0.113
1.4	16QAM	1	3	20.54	0.113	20.80	0.120	20.33	0.108
1.4	16QAM	1	5	20.46	0.111	20.36	0.109	20.31	0.107
1.4	16QAM	3	0	19.66	0.092	19.67	0.093	19.32	0.086
1.4	16QAM	3	1	19.58	0.091	19.51	0.089	19.27	0.085
1.4	16QAM	3	3	19.53	0.090	19.35	0.086	19.23	0.084
1.4	16QAM	6	0	19.54	0.090	19.51	0.089	19.31	0.085
1.4	64QAM	1	0	20.45	0.111	20.62	0.115	20.32	0.108
1.4	64QAM	1	3	20.57	0.114	20.66	0.116	20.30	0.107
1.4	64QAM	1	5	20.42	0.110	20.56	0.114	20.17	0.104
1.4	64QAM	3	0	19.59	0.091	19.51	0.089	19.31	0.085
1.4	64QAM	3	1	19.63	0.092	19.57	0.091	19.29	0.085
1.4	64QAM	3	3	19.56	0.090	19.42	0.087	19.24	0.084
1.4	64QAM	6	0	19.54	0.090	19.49	0.089	19.30	0.085



LTE Band5				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dbm	W	dbm	W	dbm	W
10	QPSK	1	0	22.50	0.178	22.76	0.189	22.71	0.187
10	QPSK	1	25	22.55	0.180	22.71	0.187	22.66	0.185
10	QPSK	1	49	22.68	0.185	22.64	0.184	22.61	0.182
10	QPSK	25	0	21.69	0.148	21.81	0.152	21.74	0.149
10	QPSK	25	12	21.76	0.150	21.84	0.153	21.83	0.152
10	QPSK	25	25	21.66	0.147	21.72	0.149	21.66	0.147
10	QPSK	50	0	21.79	0.151	21.77	0.150	21.67	0.147
10	16QAM	1	0	21.72	0.149	21.84	0.153	21.79	0.151
10	16QAM	1	25	22.04	0.160	22.13	0.163	21.90	0.155
10	16QAM	1	49	22.14	0.164	21.89	0.155	21.77	0.150
10	16QAM	25	0	20.71	0.118	20.86	0.122	20.85	0.122
10	16QAM	25	12	20.86	0.122	20.84	0.121	20.89	0.123
10	16QAM	25	25	20.82	0.121	20.86	0.122	20.70	0.117
10	16QAM	50	0	20.74	0.119	20.82	0.121	20.81	0.121
10	64QAM	1	0	21.60	0.145	21.81	0.152	21.52	0.142
10	64QAM	1	25	21.73	0.149	21.84	0.153	21.96	0.157
10	64QAM	1	49	21.63	0.146	21.63	0.146	21.74	0.149
10	64QAM	25	0	20.77	0.119	20.85	0.122	20.76	0.119
10	64QAM	25	12	20.83	0.121	20.89	0.123	20.93	0.124
10	64QAM	25	25	20.74	0.119	20.78	0.120	20.83	0.121
10	64QAM	50	0	20.80	0.120	20.87	0.122	20.77	0.119



LTE Band5				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dbm	W	dbm	W	dbm	W
5	QPSK	1	0	22.47	0.177	22.59	0.182	22.72	0.187
5	QPSK	1	12	22.60	0.182	22.54	0.179	22.62	0.183
5	QPSK	1	24	22.46	0.176	22.51	0.178	22.72	0.187
5	QPSK	12	0	21.67	0.147	21.73	0.149	21.78	0.151
5	QPSK	12	7	21.73	0.149	21.81	0.152	21.78	0.151
5	QPSK	12	13	21.74	0.149	21.78	0.151	21.65	0.146
5	QPSK	25	0	21.70	0.148	21.78	0.151	21.66	0.147
5	16QAM	1	0	22.06	0.161	21.82	0.152	21.83	0.152
5	16QAM	1	12	21.81	0.152	21.80	0.151	21.67	0.147
5	16QAM	1	24	22.04	0.160	21.60	0.145	21.64	0.146
5	16QAM	12	0	20.76	0.119	20.87	0.122	20.84	0.121
5	16QAM	12	7	20.78	0.120	20.75	0.119	20.88	0.122
5	16QAM	12	13	20.69	0.117	20.81	0.121	20.74	0.119
5	16QAM	25	0	20.75	0.119	20.87	0.122	20.80	0.120
5	64QAM	1	0	21.73	0.149	21.72	0.149	22.17	0.165
5	64QAM	1	12	22.12	0.163	21.71	0.148	22.16	0.164
5	64QAM	1	24	21.75	0.150	21.75	0.150	21.72	0.149
5	64QAM	12	0	20.72	0.118	20.72	0.118	20.81	0.121
5	64QAM	12	7	20.74	0.119	20.77	0.119	20.68	0.117
5	64QAM	12	13	20.72	0.118	20.83	0.121	20.75	0.119
5	64QAM	25	0	20.70	0.117	20.85	0.122	20.76	0.119



LTE Band5				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dbm	W	dbm	W	dbm	W
3	QPSK	1	0	22.57	0.181	22.60	0.182	22.58	0.181
3	QPSK	1	8	22.54	0.179	22.77	0.189	22.62	0.183
3	QPSK	1	14	22.54	0.179	22.54	0.179	22.48	0.177
3	QPSK	8	0	21.60	0.145	21.79	0.151	21.73	0.149
3	QPSK	8	4	21.73	0.149	21.73	0.149	21.75	0.150
3	QPSK	8	7	21.71	0.148	21.73	0.149	21.66	0.147
3	QPSK	15	0	21.66	0.147	21.83	0.152	21.65	0.146
3	16QAM	1	0	21.72	0.149	21.60	0.145	21.79	0.151
3	16QAM	1	8	21.60	0.145	21.64	0.146	21.93	0.156
3	16QAM	1	14	22.10	0.162	22.02	0.159	21.86	0.153
3	16QAM	8	0	20.69	0.117	20.85	0.122	20.75	0.119
3	16QAM	8	4	20.68	0.117	20.92	0.124	20.79	0.120
3	16QAM	8	7	20.80	0.120	20.74	0.119	20.72	0.118
3	16QAM	15	0	20.84	0.121	20.85	0.122	20.67	0.117
3	64QAM	1	0	21.68	0.147	21.79	0.151	21.66	0.147
3	64QAM	1	8	21.67	0.147	21.77	0.150	21.78	0.151
3	64QAM	1	14	22.07	0.161	22.13	0.163	21.76	0.150
3	64QAM	8	0	20.65	0.116	20.69	0.117	20.78	0.120
3	64QAM	8	4	20.64	0.116	20.76	0.119	20.75	0.119
3	64QAM	8	7	20.76	0.119	20.84	0.121	20.79	0.120
3	64QAM	15	0	20.76	0.119	20.76	0.119	20.84	0.121



LTE Band5				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dbm	W	dbm	W	dbm	W
1.4	QPSK	1	0	22.51	0.178	22.60	0.182	22.55	0.180
1.4	QPSK	1	3	22.55	0.180	22.66	0.185	22.65	0.184
1.4	QPSK	1	5	22.49	0.177	22.56	0.180	22.47	0.177
1.4	QPSK	3	0	22.55	0.180	22.52	0.179	22.64	0.184
1.4	QPSK	3	1	22.56	0.180	22.61	0.182	22.60	0.182
1.4	QPSK	3	3	22.53	0.179	22.63	0.183	22.48	0.177
1.4	QPSK	6	0	21.57	0.144	21.66	0.147	21.67	0.147
1.4	16QAM	1	0	21.66	0.147	21.72	0.149	21.64	0.146
1.4	16QAM	1	3	21.67	0.147	21.82	0.152	21.45	0.140
1.4	16QAM	1	5	21.48	0.141	21.80	0.151	21.93	0.156
1.4	16QAM	3	0	21.53	0.142	21.52	0.142	21.54	0.143
1.4	16QAM	3	1	21.65	0.146	21.61	0.145	21.60	0.145
1.4	16QAM	3	3	21.52	0.142	21.58	0.144	21.56	0.143
1.4	16QAM	6	0	20.69	0.117	20.74	0.119	20.84	0.121
1.4	64QAM	1	0	21.84	0.153	21.73	0.149	21.65	0.146
1.4	64QAM	1	3	21.97	0.157	21.79	0.151	21.77	0.150
1.4	64QAM	1	5	21.88	0.154	21.98	0.158	21.49	0.141
1.4	64QAM	3	0	21.41	0.138	21.80	0.151	21.65	0.146
1.4	64QAM	3	1	21.65	0.146	21.64	0.146	21.58	0.144
1.4	64QAM	3	3	21.56	0.143	21.64	0.146	21.56	0.143
1.4	64QAM	6	0	20.66	0.116	20.70	0.117	20.72	0.118



LTE Band 12				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dbm	W	dbm	W	dbm	W
10	QPSK	1	0	22.19	0.166	22.47	0.177	22.45	0.176
10	QPSK	1	25	22.50	0.178	22.51	0.178	22.39	0.173
10	QPSK	1	49	22.45	0.176	22.42	0.175	22.55	0.180
10	QPSK	25	0	21.50	0.141	21.52	0.142	21.53	0.142
10	QPSK	25	12	21.60	0.145	21.52	0.142	21.61	0.145
10	QPSK	25	25	21.59	0.144	21.48	0.141	21.53	0.142
10	QPSK	50	0	21.63	0.146	21.53	0.142	21.52	0.142
10	16QAM	1	0	21.69	0.148	21.49	0.141	21.97	0.157
10	16QAM	1	25	21.96	0.157	21.61	0.145	21.64	0.146
10	16QAM	1	49	21.67	0.147	21.70	0.148	21.65	0.146
10	16QAM	25	0	20.48	0.112	20.60	0.115	20.55	0.114
10	16QAM	25	12	20.67	0.117	20.56	0.114	20.68	0.117
10	16QAM	25	25	20.57	0.114	20.65	0.116	20.51	0.112
10	16QAM	50	0	20.63	0.116	20.67	0.117	20.52	0.113
10	64QAM	1	0	21.79	0.151	21.47	0.140	21.60	0.145
10	64QAM	1	25	21.91	0.155	21.45	0.140	21.61	0.145
10	64QAM	1	49	21.65	0.146	21.71	0.148	21.73	0.149
10	64QAM	25	0	20.50	0.112	20.63	0.116	20.59	0.115
10	64QAM	25	12	20.58	0.114	20.58	0.114	20.63	0.116
10	64QAM	25	25	20.63	0.116	20.63	0.116	20.50	0.112
10	64QAM	50	0	20.62	0.115	20.59	0.115	20.62	0.115





LTE Band 12				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dbm	W	dbm	W	dbm	W
5	QPSK	1	0	22.29	0.169	22.50	0.178	22.32	0.171
5	QPSK	1	12	22.30	0.170	22.53	0.179	22.51	0.178
5	QPSK	1	24	22.55	0.180	22.46	0.176	22.48	0.177
5	QPSK	12	0	21.45	0.140	21.50	0.141	21.42	0.139
5	QPSK	12	7	21.46	0.140	21.57	0.144	21.57	0.144
5	QPSK	12	13	21.43	0.139	21.51	0.142	21.58	0.144
5	QPSK	25	0	21.49	0.141	21.53	0.142	21.51	0.142
5	16QAM	1	0	21.84	0.153	21.60	0.145	21.65	0.146
5	16QAM	1	12	21.96	0.157	21.74	0.149	21.62	0.145
5	16QAM	1	24	21.89	0.155	21.72	0.149	21.49	0.141
5	16QAM	12	0	20.52	0.113	20.55	0.114	20.48	0.112
5	16QAM	12	7	20.52	0.113	20.52	0.113	20.69	0.117
5	16QAM	12	13	20.52	0.113	20.59	0.115	20.59	0.115
5	16QAM	25	0	20.52	0.113	20.62	0.115	20.49	0.112
5	64QAM	1	0	21.53	0.142	21.59	0.144	22.00	0.158
5	64QAM	1	12	21.80	0.151	21.56	0.143	22.02	0.159
5	64QAM	1	24	21.82	0.152	21.72	0.149	22.01	0.159
5	64QAM	12	0	20.52	0.113	20.67	0.117	20.45	0.111
5	64QAM	12	7	20.56	0.114	20.73	0.118	20.65	0.116
5	64QAM	12	13	20.50	0.112	20.53	0.113	20.60	0.115
5	64QAM	25	0	20.49	0.112	20.68	0.117	20.55	0.114



LTE Band 12				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dbm	W	dbm	W	dbm	W
3	QPSK	1	0	22.33	0.171	22.43	0.175	22.50	0.178
3	QPSK	1	8	22.52	0.179	22.51	0.178	22.40	0.174
3	QPSK	1	14	22.43	0.175	22.44	0.175	22.37	0.173
3	QPSK	8	0	21.43	0.139	21.62	0.145	21.54	0.143
3	QPSK	8	4	21.51	0.142	21.65	0.146	21.64	0.146
3	QPSK	8	7	21.51	0.142	21.57	0.144	21.53	0.142
3	QPSK	15	0	21.61	0.145	21.57	0.144	21.50	0.141
3	16QAM	1	0	21.62	0.145	21.83	0.152	21.89	0.155
3	16QAM	1	8	21.49	0.141	21.64	0.146	21.57	0.144
3	16QAM	1	14	21.92	0.156	21.74	0.149	21.59	0.144
3	16QAM	8	0	20.53	0.113	20.71	0.118	20.69	0.117
3	16QAM	8	4	20.58	0.114	20.68	0.117	20.61	0.115
3	16QAM	8	7	20.58	0.114	20.74	0.119	20.58	0.114
3	16QAM	15	0	20.67	0.117	20.64	0.116	20.66	0.116
3	64QAM	1	0	21.46	0.140	21.66	0.147	21.68	0.147
3	64QAM	1	8	21.54	0.143	21.64	0.146	21.58	0.144
3	64QAM	1	14	21.65	0.146	21.63	0.146	21.50	0.141
3	64QAM	8	0	20.51	0.112	20.54	0.113	20.63	0.116
3	64QAM	8	4	20.69	0.117	20.69	0.117	20.54	0.113
3	64QAM	8	7	20.53	0.113	20.59	0.115	20.69	0.117
3	64QAM	15	0	20.64	0.116	20.73	0.118	20.57	0.114



LTE Band 12				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dbm	W	dbm	W	dbm	W
1.4	QPSK	1	0	22.30	0.170	22.51	0.178	22.43	0.175
1.4	QPSK	1	3	22.45	0.176	22.53	0.179	22.48	0.177
1.4	QPSK	1	5	22.27	0.169	22.51	0.178	22.36	0.172
1.4	QPSK	3	0	22.45	0.176	22.42	0.175	22.46	0.176
1.4	QPSK	3	1	22.46	0.176	22.54	0.179	22.53	0.179
1.4	QPSK	3	3	22.40	0.174	22.55	0.180	22.50	0.178
1.4	QPSK	6	0	21.48	0.141	21.57	0.144	21.48	0.141
1.4	16QAM	1	0	21.83	0.152	21.90	0.155	21.45	0.140
1.4	16QAM	1	3	21.74	0.149	21.59	0.144	21.75	0.150
1.4	16QAM	1	5	21.49	0.141	21.67	0.147	21.46	0.140
1.4	16QAM	3	0	21.38	0.137	21.39	0.138	21.51	0.142
1.4	16QAM	3	1	21.38	0.137	21.48	0.141	21.55	0.143
1.4	16QAM	3	3	21.52	0.142	21.53	0.142	21.50	0.141
1.4	16QAM	6	0	20.64	0.116	20.61	0.115	20.73	0.118
1.4	64QAM	1	0	21.30	0.135	21.39	0.138	21.34	0.136
1.4	64QAM	1	3	21.37	0.137	21.69	0.148	21.30	0.135
1.4	64QAM	1	5	21.34	0.136	21.61	0.145	21.51	0.142
1.4	64QAM	3	0	21.37	0.137	21.67	0.147	21.47	0.140
1.4	64QAM	3	1	21.55	0.143	21.53	0.142	21.58	0.144
1.4	64QAM	3	3	21.51	0.142	21.55	0.143	21.34	0.136
1.4	64QAM	6	0	20.47	0.111	20.51	0.112	20.62	0.115



LTE Band 13				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23230		/	
Frequency (MHz)				/		782		/	
				dbm	W	dbm	W	dbm	W
10	QPSK	1	0	/	/	22.31	0.170	/	/
10	QPSK	1	25	/	/	22.45	0.176	/	/
10	QPSK	1	49	/	/	22.31	0.170	/	/
10	QPSK	25	0	/	/	21.48	0.141	/	/
10	QPSK	25	12	/	/	21.55	0.143	/	/
10	QPSK	25	25	/	/	21.53	0.142	/	/
10	QPSK	50	0	/	/	21.56	0.143	/	/
10	16QAM	1	0	/	/	21.53	0.142	/	/
10	16QAM	1	25	/	/	21.71	0.148	/	/
10	16QAM	1	49	/	/	21.75	0.150	/	/
10	16QAM	25	0	/	/	20.50	0.112	/	/
10	16QAM	25	12	/	/	20.61	0.115	/	/
10	16QAM	25	25	/	/	20.55	0.114	/	/
10	16QAM	50	0	/	/	20.67	0.117	/	/
10	64QAM	1	0	/	/	21.47	0.140	/	/
10	64QAM	1	25	/	/	21.63	0.146	/	/
10	64QAM	1	49	/	/	21.27	0.134	/	/
10	64QAM	25	0	/	/	20.51	0.112	/	/
10	64QAM	25	12	/	/	20.62	0.115	/	/
10	64QAM	25	25	/	/	20.54	0.113	/	/
10	64QAM	50	0	/	/	20.58	0.114	/	/



LTE Band 13				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dbm	W	dbm	W	dbm	W
5	QPSK	1	0	22.34	0.171	22.36	0.172	22.43	0.175
5	QPSK	1	12	22.41	0.174	22.44	0.175	22.41	0.174
5	QPSK	1	24	22.45	0.176	22.43	0.175	22.42	0.175
5	QPSK	12	0	21.46	0.140	21.52	0.142	21.60	0.145
5	QPSK	12	7	21.51	0.142	21.60	0.145	21.49	0.141
5	QPSK	12	13	21.47	0.140	21.38	0.137	21.49	0.141
5	QPSK	25	0	21.47	0.140	21.49	0.141	21.48	0.141
5	16QAM	1	0	21.75	0.150	21.64	0.146	21.69	0.148
5	16QAM	1	12	21.86	0.153	21.77	0.150	21.57	0.144
5	16QAM	1	24	22.06	0.161	21.66	0.147	21.73	0.149
5	16QAM	12	0	20.52	0.113	20.67	0.117	20.50	0.112
5	16QAM	12	7	20.49	0.112	20.75	0.119	20.62	0.115
5	16QAM	12	13	20.56	0.114	20.50	0.112	20.46	0.111
5	16QAM	25	0	20.54	0.113	20.58	0.114	20.52	0.113
5	64QAM	1	0	21.23	0.133	21.56	0.143	21.66	0.147
5	64QAM	1	12	21.39	0.138	21.67	0.147	21.58	0.144
5	64QAM	1	24	21.57	0.144	21.59	0.144	21.46	0.140
5	64QAM	12	0	20.47	0.111	20.61	0.115	20.56	0.114
5	64QAM	12	7	20.55	0.114	20.58	0.114	20.34	0.108
5	64QAM	12	13	20.73	0.118	20.64	0.116	20.39	0.109
5	64QAM	25	0	20.44	0.111	20.62	0.115	20.46	0.111



LTE Band 17				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dbm	W	dbm	W	dbm	W
10	QPSK	1	0	22.27	0.169	22.11	0.163	22.11	0.163
10	QPSK	1	25	22.27	0.169	22.22	0.167	22.22	0.167
10	QPSK	1	49	22.30	0.170	22.26	0.168	22.26	0.168
10	QPSK	25	0	21.31	0.135	21.27	0.134	21.27	0.134
10	QPSK	25	12	21.22	0.132	21.32	0.136	21.31	0.135
10	QPSK	25	25	21.25	0.133	21.29	0.135	21.29	0.135
10	QPSK	50	0	21.31	0.135	21.34	0.136	21.34	0.136
10	16QAM	1	0	21.58	0.144	21.60	0.145	21.60	0.145
10	16QAM	1	25	21.46	0.140	21.46	0.140	21.46	0.140
10	16QAM	1	49	21.67	0.147	21.64	0.146	21.64	0.146
10	16QAM	25	0	20.28	0.107	20.33	0.108	20.33	0.108
10	16QAM	25	12	20.36	0.109	20.33	0.108	20.33	0.108
10	16QAM	25	25	20.34	0.108	20.37	0.109	20.37	0.109
10	16QAM	50	0	20.37	0.109	20.35	0.108	20.35	0.108
10	64QAM	1	0	21.26	0.134	21.19	0.132	21.19	0.132
10	64QAM	1	25	21.46	0.140	21.55	0.143	21.55	0.143
10	64QAM	1	49	21.62	0.145	21.63	0.146	21.61	0.145
10	64QAM	25	0	20.29	0.107	20.42	0.110	20.42	0.110
10	64QAM	25	12	20.38	0.109	20.37	0.109	20.37	0.109
10	64QAM	25	25	20.26	0.106	20.33	0.108	20.33	0.108
10	64QAM	50	0	20.32	0.108	20.28	0.107	20.28	0.107



LTE Band 17				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23790		23155	
Frequency (MHz)				706.5		710		713.5	
				dbm	W	dbm	W	dbm	W
5	QPSK	1	0	22.11	0.163	22.29	0.169	22.21	0.166
5	QPSK	1	12	22.23	0.167	22.27	0.169	22.29	0.169
5	QPSK	1	24	22.18	0.165	22.28	0.169	22.28	0.169
5	QPSK	12	0	21.19	0.132	21.29	0.135	21.25	0.133
5	QPSK	12	7	21.29	0.135	21.24	0.133	21.31	0.135
5	QPSK	12	13	21.28	0.134	21.22	0.132	21.35	0.136
5	QPSK	25	0	21.23	0.133	21.23	0.133	21.31	0.135
5	16QAM	1	0	21.39	0.138	21.30	0.135	21.56	0.143
5	16QAM	1	12	21.55	0.143	21.41	0.138	21.56	0.143
5	16QAM	1	24	21.66	0.147	21.38	0.137	21.57	0.144
5	16QAM	12	0	20.26	0.106	20.36	0.109	20.35	0.108
5	16QAM	12	7	20.45	0.111	20.37	0.109	20.57	0.114
5	16QAM	12	13	20.31	0.107	20.32	0.108	20.48	0.112
5	16QAM	25	0	20.40	0.110	20.38	0.109	20.33	0.108
5	64QAM	1	0	21.15	0.130	21.59	0.144	21.47	0.140
5	64QAM	1	12	21.16	0.131	21.59	0.144	21.36	0.137
5	64QAM	1	24	21.40	0.138	21.62	0.145	21.30	0.135
5	64QAM	12	0	20.17	0.104	20.34	0.108	20.43	0.110
5	64QAM	12	7	20.38	0.109	20.33	0.108	20.47	0.111
5	64QAM	12	13	20.31	0.107	20.33	0.108	20.44	0.111
5	64QAM	25	0	20.28	0.107	20.39	0.109	20.38	0.109



LTE Band25				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26140		26365		26590	
Frequency (MHz)				1860		1882.5		1905	
				dbm	W	dbm	W	dbm	W
20	QPSK	1	0	22.60	0.182	22.62	0.183	22.26	0.168
20	QPSK	1	49	22.71	0.187	22.42	0.175	22.42	0.175
20	QPSK	1	99	22.43	0.175	22.31	0.170	22.31	0.170
20	QPSK	50	0	21.69	0.148	21.51	0.142	21.27	0.134
20	QPSK	50	24	21.60	0.145	21.42	0.139	21.43	0.139
20	QPSK	50	50	21.44	0.139	21.41	0.138	21.41	0.138
20	QPSK	100	0	21.58	0.144	21.40	0.138	21.39	0.138
20	16QAM	1	0	22.17	0.165	22.11	0.163	21.83	0.152
20	16QAM	1	49	21.84	0.153	22.21	0.166	21.88	0.154
20	16QAM	1	99	21.84	0.153	21.90	0.155	21.73	0.149
20	16QAM	50	0	20.79	0.120	20.61	0.115	20.52	0.113
20	16QAM	50	24	20.69	0.117	20.60	0.115	20.51	0.112
20	16QAM	50	50	20.64	0.116	20.53	0.113	20.56	0.114
20	16QAM	100	0	20.71	0.118	20.46	0.111	20.51	0.112
20	64QAM	1	0	21.61	0.145	22.01	0.159	21.62	0.145
20	64QAM	1	49	22.02	0.159	21.66	0.147	21.64	0.146
20	64QAM	1	99	21.69	0.148	21.79	0.151	21.52	0.142
20	64QAM	50	0	20.85	0.122	20.57	0.114	20.39	0.109
20	64QAM	50	24	20.80	0.120	20.63	0.116	20.65	0.116
20	64QAM	50	50	20.57	0.114	20.48	0.112	20.60	0.115
20	64QAM	100	0	20.75	0.119	20.72	0.118	20.61	0.115





LTE Band25				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26115		26365		26615	
Frequency (MHz)				1857.5		1882.5		1907.5	
				dbm	W	dbm	W	dbm	W
15	QPSK	1	0	22.61	0.182	22.47	0.177	22.37	0.173
15	QPSK	1	37	22.58	0.181	22.57	0.181	22.34	0.171
15	QPSK	1	74	22.56	0.180	22.47	0.177	22.37	0.173
15	QPSK	36	0	21.70	0.148	21.45	0.140	21.44	0.139
15	QPSK	36	20	21.76	0.150	21.61	0.145	21.55	0.143
15	QPSK	36	39	21.65	0.146	21.52	0.142	21.49	0.141
15	QPSK	75	0	21.54	0.143	21.59	0.144	21.45	0.140
15	16QAM	1	0	22.24	0.167	21.84	0.153	21.86	0.153
15	16QAM	1	37	21.98	0.158	21.90	0.155	22.08	0.161
15	16QAM	1	74	22.11	0.163	22.19	0.166	21.81	0.152
15	16QAM	36	0	20.78	0.120	20.67	0.117	20.65	0.116
15	16QAM	36	20	20.86	0.122	20.67	0.117	20.65	0.116
15	16QAM	36	39	20.71	0.118	20.66	0.116	20.57	0.114
15	16QAM	75	0	20.75	0.119	20.66	0.116	20.57	0.114
15	64QAM	1	0	21.84	0.153	21.65	0.146	21.60	0.145
15	64QAM	1	37	21.78	0.151	21.46	0.140	21.87	0.154
15	64QAM	1	74	21.66	0.147	21.43	0.139	21.49	0.141
15	64QAM	36	0	20.84	0.121	20.63	0.116	20.51	0.112
15	64QAM	36	20	20.89	0.123	20.69	0.117	20.67	0.117
15	64QAM	36	39	20.64	0.116	20.70	0.117	20.47	0.111
15	64QAM	75	0	20.69	0.117	20.52	0.113	20.40	0.110



LTE Band25				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26090		26365		26640	
Frequency (MHz)				1855		1882.5		1910	
				dbm	W	dbm	W	dbm	W
10	QPSK	1	0	22.71	0.187	22.38	0.173	22.41	0.174
10	QPSK	1	25	22.57	0.181	22.46	0.176	22.29	0.169
10	QPSK	1	49	22.64	0.184	22.52	0.179	22.42	0.175
10	QPSK	25	0	21.69	0.148	21.37	0.137	21.27	0.134
10	QPSK	25	12	21.61	0.145	21.37	0.137	21.43	0.139
10	QPSK	25	25	21.53	0.142	21.39	0.138	21.35	0.136
10	QPSK	50	0	21.61	0.145	21.43	0.139	21.36	0.137
10	16QAM	1	0	22.11	0.163	22.12	0.163	21.67	0.147
10	16QAM	1	25	22.11	0.163	21.73	0.149	21.71	0.148
10	16QAM	1	49	22.05	0.160	21.65	0.146	21.89	0.155
10	16QAM	25	0	20.87	0.122	20.59	0.115	20.53	0.113
10	16QAM	25	12	20.75	0.119	20.57	0.114	20.53	0.113
10	16QAM	25	25	20.79	0.120	20.62	0.115	20.49	0.112
10	16QAM	50	0	20.70	0.117	20.52	0.113	20.59	0.115
10	64QAM	1	0	21.95	0.157	21.84	0.153	21.53	0.142
10	64QAM	1	25	22.03	0.160	21.78	0.151	21.87	0.154
10	64QAM	1	49	21.90	0.155	21.55	0.143	21.54	0.143
10	64QAM	25	0	20.74	0.119	20.63	0.116	20.59	0.115
10	64QAM	25	12	20.88	0.122	20.69	0.117	20.55	0.114
10	64QAM	25	25	20.76	0.119	20.54	0.113	20.60	0.115
10	64QAM	50	0	20.66	0.116	20.55	0.114	20.42	0.110



LTE Band25				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26065		26365		26665	
Frequency (MHz)				1852.5		1882.5		1912.5	
				dbm	W	dbm	W	dbm	W
5	QPSK	1	0	22.52	0.179	22.33	0.171	22.31	0.170
5	QPSK	1	12	22.63	0.183	22.42	0.175	22.29	0.169
5	QPSK	1	24	22.61	0.182	22.36	0.172	22.36	0.172
5	QPSK	12	0	21.67	0.147	21.49	0.141	21.30	0.135
5	QPSK	12	7	21.75	0.150	21.44	0.139	21.42	0.139
5	QPSK	12	13	21.61	0.145	21.42	0.139	21.31	0.135
5	QPSK	25	0	21.67	0.147	21.46	0.140	21.43	0.139
5	16QAM	1	0	21.70	0.148	21.95	0.157	21.98	0.158
5	16QAM	1	12	21.69	0.148	22.08	0.161	21.61	0.145
5	16QAM	1	24	21.97	0.157	22.09	0.162	21.70	0.148
5	16QAM	12	0	20.79	0.120	20.70	0.117	20.67	0.117
5	16QAM	12	7	21.09	0.129	20.76	0.119	20.64	0.116
5	16QAM	12	13	20.91	0.123	20.75	0.119	20.74	0.119
5	16QAM	25	0	20.72	0.118	20.64	0.116	20.47	0.111
5	64QAM	1	0	22.08	0.161	21.66	0.147	21.71	0.148
5	64QAM	1	12	21.93	0.156	21.88	0.154	21.67	0.147
5	64QAM	1	24	21.85	0.153	21.78	0.151	21.72	0.149
5	64QAM	12	0	20.92	0.124	20.65	0.116	20.59	0.115
5	64QAM	12	7	20.84	0.121	20.75	0.119	20.59	0.115
5	64QAM	12	13	20.91	0.123	20.59	0.115	20.43	0.110
5	64QAM	25	0	20.69	0.117	20.72	0.118	20.53	0.113



LTE Band25				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26055		26365		26675	
Frequency (MHz)				1851.5		1882.5		1913.5	
				dbm	W	dbm	W	dbm	W
3	QPSK	1	0	22.62	0.183	22.30	0.170	22.39	0.173
3	QPSK	1	8	22.59	0.182	22.50	0.178	22.29	0.169
3	QPSK	1	14	22.53	0.179	22.20	0.166	22.38	0.173
3	QPSK	8	0	21.66	0.147	21.43	0.139	21.36	0.137
3	QPSK	8	4	21.71	0.148	21.45	0.140	21.36	0.137
3	QPSK	8	7	21.59	0.144	21.50	0.141	21.37	0.137
3	QPSK	15	0	21.58	0.144	21.67	0.147	21.42	0.139
3	16QAM	1	0	21.87	0.154	21.60	0.145	21.96	0.157
3	16QAM	1	8	22.06	0.161	21.67	0.147	21.58	0.144
3	16QAM	1	14	21.72	0.149	21.91	0.155	21.96	0.157
3	16QAM	8	0	20.65	0.116	20.63	0.116	20.56	0.114
3	16QAM	8	4	20.87	0.122	20.70	0.117	20.61	0.115
3	16QAM	8	7	20.87	0.122	20.70	0.117	20.63	0.116
3	16QAM	15	0	20.81	0.121	20.69	0.117	20.63	0.116
3	64QAM	1	0	22.06	0.161	21.99	0.158	21.56	0.143
3	64QAM	1	8	21.98	0.158	21.65	0.146	21.59	0.144
3	64QAM	1	14	21.68	0.147	21.61	0.145	21.57	0.144
3	64QAM	8	0	20.75	0.119	20.67	0.117	20.61	0.115
3	64QAM	8	4	20.89	0.123	20.65	0.116	20.44	0.111
3	64QAM	8	7	20.92	0.124	20.59	0.115	20.59	0.115
3	64QAM	15	0	20.92	0.124	20.60	0.115	20.42	0.110



LTE Band25				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26047		26365		26683	
Frequency (MHz)				1850.7		1882.5		1914.3	
				dbm	W	dbm	W	dbm	W
1.4	QPSK	1	0	22.59	0.182	22.32	0.171	22.19	0.166
1.4	QPSK	1	3	22.65	0.184	22.43	0.175	22.32	0.171
1.4	QPSK	1	5	22.62	0.183	22.29	0.169	22.24	0.167
1.4	QPSK	3	0	22.58	0.181	22.30	0.170	22.22	0.167
1.4	QPSK	3	1	22.60	0.182	22.41	0.174	22.35	0.172
1.4	QPSK	3	3	22.56	0.180	22.34	0.171	22.29	0.169
1.4	QPSK	6	0	21.52	0.142	21.28	0.134	21.35	0.136
1.4	16QAM	1	0	21.99	0.158	21.52	0.142	21.67	0.147
1.4	16QAM	1	3	21.96	0.157	21.89	0.155	21.60	0.145
1.4	16QAM	1	5	21.91	0.155	21.54	0.143	21.56	0.143
1.4	16QAM	3	0	21.77	0.150	21.60	0.145	21.46	0.140
1.4	16QAM	3	1	21.61	0.145	21.60	0.145	21.55	0.143
1.4	16QAM	3	3	21.90	0.155	21.56	0.143	21.40	0.138
1.4	16QAM	6	0	20.88	0.122	20.44	0.111	20.49	0.112
1.4	64QAM	1	0	21.89	0.155	21.47	0.140	21.45	0.140
1.4	64QAM	1	3	21.87	0.154	21.49	0.141	21.58	0.144
1.4	64QAM	1	5	21.93	0.156	21.66	0.147	21.52	0.142
1.4	64QAM	3	0	21.86	0.153	21.67	0.147	21.43	0.139
1.4	64QAM	3	1	21.72	0.149	21.58	0.144	21.53	0.142
1.4	64QAM	3	3	21.76	0.150	21.46	0.140	21.57	0.144
1.4	64QAM	6	0	20.73	0.118	20.54	0.113	20.46	0.111



LTE Band26				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26865		26915		26965	
Frequency (MHz)				831.5		836.5		841.5	
				dbm	W	dbm	W	dbm	W
15	QPSK	1	0	21.30	0.135	21.29	0.135	21.28	0.134
15	QPSK	1	37	21.28	0.134	21.36	0.137	21.39	0.138
15	QPSK	1	74	21.19	0.132	21.27	0.134	21.22	0.132
15	QPSK	36	0	20.42	0.110	20.45	0.111	20.25	0.106
15	QPSK	36	20	20.46	0.111	20.42	0.110	20.40	0.110
15	QPSK	36	39	20.36	0.109	20.41	0.110	20.34	0.108
15	QPSK	75	0	20.44	0.111	20.35	0.108	20.40	0.110
15	16QAM	1	0	20.32	0.108	20.73	0.118	20.43	0.110
15	16QAM	1	37	20.66	0.116	20.57	0.114	20.51	0.112
15	16QAM	1	74	20.53	0.113	20.76	0.119	20.57	0.114
15	16QAM	36	0	19.42	0.087	19.45	0.088	19.36	0.086
15	16QAM	36	20	19.52	0.090	19.38	0.087	19.50	0.089
15	16QAM	36	39	19.42	0.087	19.39	0.087	19.43	0.088
15	16QAM	75	0	19.51	0.089	19.45	0.088	19.43	0.088
15	64QAM	1	0	20.44	0.111	20.51	0.112	20.42	0.110
15	64QAM	1	37	20.46	0.111	20.45	0.111	20.39	0.109
15	64QAM	1	74	20.62	0.115	20.29	0.107	20.16	0.104
15	64QAM	36	0	19.43	0.088	19.46	0.088	19.34	0.086
15	64QAM	36	20	19.50	0.089	19.39	0.087	19.45	0.088
15	64QAM	36	39	19.38	0.087	19.40	0.087	19.43	0.088
15	64QAM	75	0	19.38	0.087	19.42	0.087	19.41	0.087



LTE Band26				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26840		26915		26990	
Frequency (MHz)				829.0		836.5		844.0	
				dbm	W	dbm	W	dbm	W
10	QPSK	1	0	21.38	0.137	21.21	0.132	21.39	0.138
10	QPSK	1	25	21.34	0.136	21.33	0.136	21.38	0.137
10	QPSK	1	49	21.23	0.133	21.28	0.134	21.31	0.135
10	QPSK	25	0	20.44	0.111	20.46	0.111	20.34	0.108
10	QPSK	25	12	20.42	0.110	20.42	0.110	20.37	0.109
10	QPSK	25	25	20.32	0.108	20.35	0.108	20.34	0.108
10	QPSK	50	0	20.43	0.110	20.38	0.109	20.37	0.109
10	16QAM	1	0	20.41	0.110	20.75	0.119	20.48	0.112
10	16QAM	1	25	20.39	0.109	20.43	0.110	20.55	0.114
10	16QAM	1	49	20.56	0.114	20.32	0.108	20.28	0.107
10	16QAM	25	0	19.50	0.089	19.41	0.087	19.51	0.089
10	16QAM	25	12	19.45	0.088	19.51	0.089	19.48	0.089
10	16QAM	25	25	19.30	0.085	19.51	0.089	19.52	0.090
10	16QAM	50	0	19.42	0.087	19.48	0.089	19.45	0.088
10	64QAM	1	0	20.44	0.111	20.40	0.110	20.50	0.112
10	64QAM	1	25	20.56	0.114	20.46	0.111	20.78	0.120
10	64QAM	1	49	20.29	0.107	20.36	0.109	20.28	0.107
10	64QAM	25	0	19.50	0.089	19.43	0.088	19.47	0.089
10	64QAM	25	12	19.41	0.087	19.47	0.089	19.40	0.087
10	64QAM	25	25	19.44	0.088	19.45	0.088	19.55	0.090
10	64QAM	50	0	19.48	0.089	19.46	0.088	19.47	0.089



LTE Band26				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26815		26915		27015	
Frequency (MHz)				826.5		836.5		846.5	
				dbm	W	dbm	W	dbm	W
5	QPSK	1	0	21.38	0.137	21.21	0.132	21.39	0.138
5	QPSK	1	12	21.26	0.134	21.34	0.136	21.34	0.136
5	QPSK	1	24	21.25	0.133	21.28	0.134	21.39	0.138
5	QPSK	12	0	21.38	0.137	21.29	0.135	21.38	0.137
5	QPSK	12	7	20.34	0.108	20.45	0.111	20.47	0.111
5	QPSK	12	13	20.33	0.108	20.42	0.110	20.44	0.111
5	QPSK	25	0	20.36	0.109	20.33	0.108	20.38	0.109
5	16QAM	1	0	20.40	0.110	20.44	0.111	20.45	0.111
5	16QAM	1	12	20.73	0.118	20.47	0.111	20.78	0.120
5	16QAM	1	24	20.73	0.118	20.45	0.111	20.88	0.122
5	16QAM	12	0	20.61	0.115	20.45	0.111	20.58	0.114
5	16QAM	12	7	19.41	0.087	19.46	0.088	19.57	0.091
5	16QAM	12	13	19.40	0.087	19.43	0.088	19.56	0.090
5	16QAM	25	0	19.38	0.087	19.37	0.086	19.40	0.087
5	64QAM	1	0	19.50	0.089	19.38	0.087	19.40	0.087
5	64QAM	1	12	20.64	0.116	20.49	0.112	20.62	0.115
5	64QAM	1	24	20.29	0.107	20.78	0.120	20.46	0.111
5	64QAM	12	0	20.29	0.107	20.69	0.117	20.42	0.110
5	64QAM	12	7	19.41	0.087	19.41	0.087	19.49	0.089
5	64QAM	12	13	19.31	0.085	19.34	0.086	19.43	0.088
5	64QAM	25	0	19.32	0.086	19.45	0.088	19.48	0.089





LTE Band26				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26805		26915		27025	
Frequency (MHz)				825.5		836.5		847.5	
				dbm	W	dbm	W	dbm	W
3	QPSK	1	0	22.23	0.167	22.34	0.171	22.41	0.174
3	QPSK	1	8	22.36	0.172	22.35	0.172	22.40	0.174
3	QPSK	1	14	22.39	0.173	22.31	0.170	22.28	0.169
3	QPSK	8	0	21.44	0.139	21.47	0.140	21.49	0.141
3	QPSK	8	4	21.38	0.137	21.52	0.142	21.36	0.137
3	QPSK	8	7	21.39	0.138	21.41	0.138	21.47	0.140
3	QPSK	15	0	21.42	0.139	21.42	0.139	21.47	0.140
3	16QAM	1	0	21.40	0.138	21.37	0.137	21.83	0.152
3	16QAM	1	8	21.44	0.139	21.46	0.140	21.79	0.151
3	16QAM	1	14	21.34	0.136	21.45	0.140	21.56	0.143
3	16QAM	8	0	20.40	0.110	20.54	0.113	20.50	0.112
3	16QAM	8	4	20.44	0.111	20.59	0.115	20.40	0.110
3	16QAM	8	7	20.39	0.109	20.58	0.114	20.57	0.114
3	16QAM	15	0	20.43	0.110	20.65	0.116	20.62	0.115
3	64QAM	1	0	21.18	0.131	21.33	0.136	21.29	0.135
3	64QAM	1	8	21.16	0.131	21.27	0.134	21.52	0.142
3	64QAM	1	14	21.32	0.136	21.26	0.134	21.65	0.146
3	64QAM	8	0	20.31	0.107	20.51	0.112	20.70	0.117
3	64QAM	8	4	20.39	0.109	20.47	0.111	20.47	0.111
3	64QAM	8	7	20.29	0.107	20.44	0.111	20.42	0.110
3	64QAM	15	0	20.44	0.111	20.44	0.111	20.50	0.112



LTE Band26				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26797		26915		27033	
Frequency (MHz)				824.7		836.5		848.3	
				dbm	W	dbm	W	dbm	W
1.4	QPSK	1	0	22.26	0.168	22.34	0.171	22.31	0.170
1.4	QPSK	1	3	22.33	0.171	22.45	0.176	22.32	0.171
1.4	QPSK	1	5	22.34	0.171	22.29	0.169	22.27	0.169
1.4	QPSK	3	0	22.23	0.167	22.29	0.169	22.42	0.175
1.4	QPSK	3	1	22.27	0.169	22.44	0.175	22.35	0.172
1.4	QPSK	3	3	22.33	0.171	22.36	0.172	22.36	0.172
1.4	QPSK	6	0	21.33	0.136	21.39	0.138	21.46	0.140
1.4	16QAM	1	0	21.43	0.139	21.59	0.144	21.53	0.142
1.4	16QAM	1	3	21.80	0.151	21.42	0.139	21.39	0.138
1.4	16QAM	1	5	21.60	0.145	21.52	0.142	21.38	0.137
1.4	16QAM	3	0	21.33	0.136	21.39	0.138	21.41	0.138
1.4	16QAM	3	1	21.37	0.137	21.50	0.141	21.32	0.136
1.4	16QAM	3	3	21.20	0.132	21.21	0.132	21.28	0.134
1.4	16QAM	6	0	20.42	0.110	20.44	0.111	20.64	0.116
1.4	64QAM	1	0	21.22	0.132	21.68	0.147	21.36	0.137
1.4	64QAM	1	3	21.46	0.140	21.62	0.145	21.36	0.137
1.4	64QAM	1	5	21.36	0.137	21.34	0.136	21.34	0.136
1.4	64QAM	3	0	21.45	0.140	21.54	0.143	21.21	0.132
1.4	64QAM	3	1	21.44	0.139	21.21	0.132	21.44	0.139
1.4	64QAM	3	3	21.37	0.137	21.65	0.146	21.29	0.135
1.4	64QAM	6	0	20.49	0.112	20.37	0.109	20.53	0.113



LTE Band 30				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		27710		/	
Frequency (MHz)				/		2310		/	
				dbm	W	dbm	W	dbm	W
10	QPSK	1	0	/	/	20.99	0.126	/	/
10	QPSK	1	25	/	/	20.89	0.123	/	/
10	QPSK	1	49	/	/	21.09	0.129	/	/
10	QPSK	25	0	/	/	20.02	0.100	/	/
10	QPSK	25	12	/	/	20.08	0.102	/	/
10	QPSK	25	25	/	/	19.97	0.099	/	/
10	QPSK	50	0	/	/	20.02	0.100	/	/
10	16QAM	1	0	/	/	20.55	0.114	/	/
10	16QAM	1	25	/	/	20.15	0.104	/	/
10	16QAM	1	49	/	/	20.14	0.103	/	/
10	16QAM	25	0	/	/	18.97	0.079	/	/
10	16QAM	25	12	/	/	18.98	0.079	/	/
10	16QAM	25	25	/	/	19.13	0.082	/	/
10	16QAM	50	0	/	/	19.03	0.080	/	/
10	64QAM	1	0	/	/	20.24	0.106	/	/
10	64QAM	1	25	/	/	20.09	0.102	/	/
10	64QAM	1	49	/	/	20.09	0.102	/	/
10	64QAM	25	0	/	/	19.04	0.080	/	/
10	64QAM	25	12	/	/	19.02	0.080	/	/
10	64QAM	25	25	/	/	19.02	0.080	/	/
10	64QAM	50	0	/	/	19.00	0.079	/	/



LTE Band 30				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				27685		27710		27735	
Frequency (MHz)				2307.5		2310		2312.5	
				dbm	W	dbm	W	dbm	W
5	QPSK	1	0	20.96	0.125	20.98	0.125	21.03	0.127
5	QPSK	1	12	21.02	0.126	20.95	0.124	20.93	0.124
5	QPSK	1	24	21.09	0.129	20.94	0.124	20.91	0.123
5	QPSK	12	0	19.99	0.100	20.01	0.100	19.98	0.100
5	QPSK	12	7	19.98	0.100	20.02	0.100	19.97	0.099
5	QPSK	12	13	19.93	0.098	20.00	0.100	19.98	0.100
5	QPSK	25	0	21.01	0.126	20.95	0.124	20.97	0.125
5	16QAM	1	0	20.36	0.109	20.33	0.108	20.44	0.111
5	16QAM	1	12	20.35	0.108	20.34	0.108	19.96	0.099
5	16QAM	1	24	20.34	0.108	20.33	0.108	20.16	0.104
5	16QAM	12	0	18.93	0.078	18.96	0.079	19.09	0.081
5	16QAM	12	7	19.07	0.081	19.07	0.081	18.93	0.078
5	16QAM	12	13	19.00	0.079	18.94	0.078	19.05	0.080
5	16QAM	25	0	20.04	0.101	20.04	0.101	20.06	0.101
5	64QAM	1	0	20.02	0.100	20.19	0.104	20.27	0.106
5	64QAM	1	12	20.06	0.101	20.20	0.105	20.20	0.105
5	64QAM	1	24	20.13	0.103	19.84	0.096	20.21	0.105
5	64QAM	12	0	19.01	0.080	19.06	0.081	18.98	0.079
5	64QAM	12	7	19.00	0.079	19.14	0.082	18.91	0.078
5	64QAM	12	13	18.99	0.079	18.96	0.079	18.96	0.079
5	64QAM	25	0	19.26	0.084	18.95	0.079	18.98	0.079



LTE Band 41				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dbm	W	dbm	W	dbm	W
20	QPSK	1	0	26.58	0.455	27.35	0.543	26.28	0.425
20	QPSK	1	49	26.81	0.480	27.58	0.573	26.99	0.500
20	QPSK	1	99	26.88	0.488	27.31	0.538	26.56	0.453
20	QPSK	50	0	26.67	0.465	26.98	0.499	26.90	0.490
20	QPSK	50	24	26.68	0.466	26.97	0.498	26.96	0.497
20	QPSK	50	50	26.44	0.441	26.92	0.492	26.91	0.491
20	QPSK	100	0	26.54	0.451	26.78	0.476	26.74	0.472
20	16QAM	1	0	25.48	0.353	26.65	0.462	25.57	0.361
20	16QAM	1	49	25.77	0.378	26.55	0.452	26.45	0.442
20	16QAM	1	99	25.26	0.336	26.46	0.443	25.96	0.394
20	16QAM	50	0	25.57	0.361	25.94	0.393	25.56	0.360
20	16QAM	50	24	25.78	0.378	25.70	0.372	25.85	0.385
20	16QAM	50	50	25.65	0.367	25.91	0.390	25.80	0.380
20	16QAM	100	0	25.75	0.376	25.92	0.391	25.73	0.374
20	64QAM	1	0	25.46	0.352	26.66	0.463	25.70	0.372
20	64QAM	1	49	25.80	0.380	26.60	0.457	26.57	0.454
20	64QAM	1	99	25.28	0.337	26.45	0.442	26.06	0.404
20	64QAM	50	0	25.76	0.377	25.92	0.391	25.80	0.380
20	64QAM	50	24	25.77	0.378	25.92	0.391	25.82	0.382
20	64QAM	50	50	25.59	0.362	25.81	0.381	25.57	0.361
20	64QAM	100	0	25.79	0.379	25.84	0.384	25.83	0.383



LTE Band 41				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dbm	W	dbm	W	dbm	W
15	QPSK	1	0	26.32	0.429	27.54	0.568	26.66	0.463
15	QPSK	1	37	26.43	0.440	27.55	0.569	27.03	0.505
15	QPSK	1	74	26.46	0.443	27.51	0.564	26.87	0.486
15	QPSK	36	0	26.61	0.458	26.85	0.484	26.78	0.476
15	QPSK	36	20	26.61	0.458	26.86	0.485	26.80	0.479
15	QPSK	36	39	26.40	0.437	26.82	0.481	26.69	0.467
15	QPSK	75	0	26.47	0.444	26.87	0.486	26.72	0.470
15	16QAM	1	0	25.51	0.356	26.78	0.476	25.95	0.394
15	16QAM	1	37	25.64	0.366	26.66	0.463	26.38	0.435
15	16QAM	1	74	25.22	0.333	26.47	0.444	26.24	0.421
15	16QAM	36	0	25.44	0.350	25.70	0.372	25.56	0.360
15	16QAM	36	20	25.58	0.361	25.70	0.372	25.60	0.363
15	16QAM	36	39	25.38	0.345	25.69	0.371	25.56	0.360
15	16QAM	75	0	25.68	0.370	25.89	0.388	25.72	0.373
15	64QAM	1	0	25.52	0.356	26.71	0.469	26.06	0.404
15	64QAM	1	37	25.73	0.374	26.73	0.471	26.50	0.447
15	64QAM	1	74	25.52	0.356	25.71	0.372	25.72	0.373
15	64QAM	36	0	25.58	0.361	25.72	0.373	25.79	0.379
15	64QAM	36	20	25.50	0.355	25.84	0.384	25.68	0.370
15	64QAM	36	39	25.65	0.367	25.71	0.372	25.66	0.368
15	64QAM	75	0	25.56	0.360	25.69	0.371	25.59	0.362



LTE Band 41				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2550		2593		2685	
				dbm	W	dbm	W	dbm	W
10	QPSK	1	0	26.45	0.442	27.52	0.565	26.80	0.479
10	QPSK	1	25	26.36	0.433	27.56	0.570	26.95	0.495
10	QPSK	1	49	26.10	0.407	27.60	0.575	26.91	0.491
10	QPSK	25	0	26.64	0.461	26.99	0.500	26.95	0.495
10	QPSK	25	12	26.61	0.458	26.86	0.485	27.00	0.501
10	QPSK	25	25	26.38	0.435	26.94	0.494	26.91	0.491
10	QPSK	50	0	26.50	0.447	26.97	0.498	26.85	0.484
10	16QAM	1	0	25.68	0.370	26.68	0.466	26.19	0.416
10	16QAM	1	25	25.68	0.370	26.54	0.451	26.42	0.439
10	16QAM	1	49	25.42	0.348	26.72	0.470	26.37	0.434
10	16QAM	25	0	25.58	0.361	25.80	0.380	25.80	0.380
10	16QAM	25	12	25.64	0.366	25.93	0.392	25.74	0.375
10	16QAM	25	25	25.56	0.360	25.75	0.376	25.73	0.374
10	16QAM	50	0	25.49	0.354	25.91	0.390	25.83	0.383
10	64QAM	1	0	25.74	0.375	26.72	0.470	26.29	0.426
10	64QAM	1	25	25.73	0.374	26.61	0.458	26.48	0.445
10	64QAM	1	49	25.45	0.351	26.79	0.478	26.43	0.440
10	64QAM	25	0	25.55	0.359	25.81	0.381	25.71	0.372
10	64QAM	25	12	25.56	0.360	25.87	0.386	25.70	0.372
10	64QAM	25	25	25.56	0.360	25.68	0.370	25.68	0.370
10	64QAM	50	0	25.65	0.367	25.80	0.380	25.77	0.378



LTE Band 41				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dbm	W	dbm	W	dbm	W
5	QPSK	1	0	26.72	0.470	27.44	0.555	27.05	0.507
5	QPSK	1	12	26.39	0.436	27.55	0.569	26.92	0.492
5	QPSK	1	24	26.39	0.436	26.94	0.494	27.00	0.501
5	QPSK	12	0	26.69	0.467	26.96	0.497	26.93	0.493
5	QPSK	12	7	26.67	0.465	26.93	0.493	26.94	0.494
5	QPSK	12	13	26.62	0.459	26.86	0.485	26.92	0.492
5	QPSK	25	0	26.60	0.457	26.92	0.492	26.88	0.488
5	16QAM	1	0	25.92	0.391	26.71	0.469	26.43	0.440
5	16QAM	1	12	25.65	0.367	26.65	0.462	26.41	0.438
5	16QAM	1	24	25.75	0.376	26.52	0.449	26.52	0.449
5	16QAM	12	0	25.59	0.362	25.80	0.380	25.75	0.376
5	16QAM	12	7	25.65	0.367	25.79	0.379	25.71	0.372
5	16QAM	12	13	25.62	0.365	25.82	0.382	25.69	0.371
5	16QAM	25	0	25.63	0.366	25.75	0.376	25.62	0.365
5	64QAM	1	0	26.03	0.401	26.64	0.461	26.53	0.450
5	64QAM	1	12	25.74	0.375	26.77	0.475	26.47	0.444
5	64QAM	1	24	25.80	0.380	26.70	0.468	26.58	0.455
5	64QAM	12	0	25.55	0.359	25.78	0.378	25.74	0.375
5	64QAM	12	7	25.62	0.365	25.86	0.385	25.76	0.377
5	64QAM	12	13	25.53	0.357	25.81	0.381	25.68	0.370
5	64QAM	25	0	25.54	0.358	25.70	0.372	25.56	0.360





LTE Band66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.70	0.148	21.64	0.146	21.55	0.143
20	QPSK	1	49	21.61	0.145	21.54	0.143	21.41	0.138
20	QPSK	1	99	21.64	0.146	21.27	0.134	21.26	0.134
20	QPSK	50	0	20.63	0.116	20.62	0.115	20.41	0.110
20	QPSK	50	24	20.61	0.115	20.57	0.114	20.44	0.111
20	QPSK	50	50	20.59	0.115	20.50	0.112	20.36	0.109
20	QPSK	100	0	20.65	0.116	20.54	0.113	20.40	0.110
20	16QAM	1	0	20.94	0.124	21.12	0.129	21.14	0.130
20	16QAM	1	49	21.08	0.128	20.96	0.125	20.82	0.121
20	16QAM	1	99	21.14	0.130	20.93	0.124	20.86	0.122
20	16QAM	50	0	19.71	0.094	19.76	0.095	19.57	0.091
20	16QAM	50	24	19.73	0.094	19.67	0.093	19.57	0.091
20	16QAM	50	50	19.75	0.094	19.61	0.091	19.46	0.088
20	16QAM	100	0	19.73	0.094	19.67	0.093	19.53	0.090
20	64QAM	1	0	20.97	0.125	21.05	0.127	21.00	0.126
20	64QAM	1	49	21.02	0.126	20.96	0.125	20.70	0.117
20	64QAM	1	99	21.06	0.128	20.91	0.123	20.78	0.120
20	64QAM	50	0	19.64	0.092	19.68	0.093	19.48	0.089
20	64QAM	50	24	19.71	0.094	19.67	0.093	19.47	0.089
20	64QAM	50	50	19.68	0.093	19.62	0.092	19.47	0.089
20	64QAM	100	0	19.71	0.094	19.65	0.092	19.58	0.091



LTE Band66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.49	0.141	21.42	0.139	21.29	0.135
15	QPSK	1	37	21.52	0.142	21.15	0.130	21.14	0.130
15	QPSK	1	74	20.51	0.112	20.50	0.112	20.29	0.107
15	QPSK	36	0	20.49	0.112	20.45	0.111	20.32	0.108
15	QPSK	36	20	20.47	0.111	20.38	0.109	20.24	0.106
15	QPSK	36	39	20.53	0.113	20.42	0.110	20.28	0.107
15	QPSK	75	0	20.82	0.121	21.00	0.126	21.02	0.126
15	16QAM	1	0	20.96	0.125	20.84	0.121	20.70	0.117
15	16QAM	1	37	21.02	0.126	20.81	0.121	20.74	0.119
15	16QAM	1	74	19.59	0.091	19.64	0.092	19.45	0.088
15	16QAM	36	0	19.61	0.091	19.55	0.090	19.45	0.088
15	16QAM	36	20	19.63	0.092	19.49	0.089	19.34	0.086
15	16QAM	36	39	19.61	0.091	19.55	0.090	19.41	0.087
15	16QAM	75	0	20.85	0.122	20.93	0.124	20.88	0.122
15	64QAM	1	0	20.90	0.123	20.84	0.121	20.58	0.114
15	64QAM	1	37	20.94	0.124	20.79	0.120	20.66	0.116
15	64QAM	1	74	19.52	0.090	19.56	0.090	19.36	0.086
15	64QAM	36	0	19.59	0.091	19.55	0.090	19.35	0.086
15	64QAM	36	20	19.56	0.090	19.50	0.089	19.35	0.086
15	64QAM	36	39	19.59	0.091	19.53	0.090	19.46	0.088
15	64QAM	75	0	22.19	0.166	22.13	0.163	22.06	0.161



LTE Band66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.51	0.142	21.45	0.140	21.36	0.137
10	QPSK	1	25	21.42	0.139	21.35	0.136	21.22	0.132
10	QPSK	1	49	21.45	0.140	21.08	0.128	21.07	0.128
10	QPSK	25	0	20.44	0.111	20.43	0.110	20.22	0.105
10	QPSK	25	12	20.42	0.110	20.38	0.109	20.25	0.106
10	QPSK	25	25	20.40	0.110	20.31	0.107	20.17	0.104
10	QPSK	50	0	20.46	0.111	20.35	0.108	20.21	0.105
10	16QAM	1	0	20.75	0.119	20.93	0.124	20.95	0.124
10	16QAM	1	25	20.89	0.123	20.77	0.119	20.63	0.116
10	16QAM	1	49	20.95	0.124	20.74	0.119	20.67	0.117
10	16QAM	25	0	19.52	0.090	19.57	0.091	19.38	0.087
10	16QAM	25	12	19.54	0.090	19.48	0.089	19.38	0.087
10	16QAM	25	25	19.56	0.090	19.42	0.087	19.27	0.085
10	16QAM	50	0	19.54	0.090	19.48	0.089	19.34	0.086
10	64QAM	1	0	20.78	0.120	20.86	0.122	20.81	0.121
10	64QAM	1	25	20.83	0.121	20.77	0.119	20.51	0.112
10	64QAM	1	49	20.87	0.122	20.72	0.118	20.59	0.115
10	64QAM	25	0	19.45	0.088	19.49	0.089	19.29	0.085
10	64QAM	25	12	19.52	0.090	19.48	0.089	19.28	0.085
10	64QAM	25	25	19.49	0.089	19.43	0.088	19.28	0.085
10	64QAM	50	0	19.52	0.090	19.46	0.088	19.39	0.087



LTE Band66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.61	0.145	21.55	0.143	21.46	0.140
5	QPSK	1	12	21.52	0.142	21.45	0.140	21.32	0.136
5	QPSK	1	24	21.55	0.143	21.18	0.131	21.17	0.131
5	QPSK	12	0	20.54	0.113	20.53	0.113	20.32	0.108
5	QPSK	12	7	20.52	0.113	20.48	0.112	20.35	0.108
5	QPSK	12	13	20.50	0.112	20.41	0.110	20.27	0.106
5	QPSK	25	0	20.56	0.114	20.45	0.111	20.31	0.107
5	16QAM	1	0	20.85	0.122	21.03	0.127	21.05	0.127
5	16QAM	1	12	20.99	0.126	20.87	0.122	20.73	0.118
5	16QAM	1	24	21.05	0.127	20.84	0.121	20.77	0.119
5	16QAM	12	0	19.62	0.092	19.67	0.093	19.48	0.089
5	16QAM	12	7	19.64	0.092	19.58	0.091	19.48	0.089
5	16QAM	12	13	19.66	0.092	19.52	0.090	19.37	0.086
5	16QAM	25	0	19.64	0.092	19.58	0.091	19.44	0.088
5	64QAM	1	0	20.88	0.122	20.96	0.125	20.91	0.123
5	64QAM	1	12	20.93	0.124	20.87	0.122	20.61	0.115
5	64QAM	1	24	20.97	0.125	20.82	0.121	20.69	0.117
5	64QAM	12	0	19.55	0.090	19.59	0.091	19.39	0.087
5	64QAM	12	7	19.62	0.092	19.58	0.091	19.38	0.087
5	64QAM	12	13	19.59	0.091	19.53	0.090	19.38	0.087
5	64QAM	25	0	19.62	0.092	19.56	0.090	19.49	0.089



LTE Band66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.67	0.147	21.61	0.145	21.52	0.142
3	QPSK	1	8	21.58	0.144	21.51	0.142	21.38	0.137
3	QPSK	1	14	21.61	0.145	21.24	0.133	21.23	0.133
3	QPSK	8	0	20.60	0.115	20.59	0.115	20.38	0.109
3	QPSK	8	4	20.58	0.114	20.54	0.113	20.41	0.110
3	QPSK	8	7	20.56	0.114	20.47	0.111	20.33	0.108
3	QPSK	15	0	20.62	0.115	20.51	0.112	20.37	0.109
3	16QAM	1	0	20.91	0.123	21.09	0.129	21.11	0.129
3	16QAM	1	8	21.05	0.127	20.93	0.124	20.79	0.120
3	16QAM	1	14	21.11	0.129	20.90	0.123	20.83	0.121
3	16QAM	8	0	19.68	0.093	19.73	0.094	19.54	0.090
3	16QAM	8	4	19.70	0.093	19.64	0.092	19.54	0.090
3	16QAM	8	7	19.72	0.094	19.58	0.091	19.43	0.088
3	16QAM	15	0	19.70	0.093	19.64	0.092	19.50	0.089
3	64QAM	1	0	20.94	0.124	21.02	0.126	20.97	0.125
3	64QAM	1	8	20.99	0.126	20.93	0.124	20.67	0.117
3	64QAM	1	14	21.03	0.127	20.88	0.122	20.75	0.119
3	64QAM	8	0	19.61	0.091	19.65	0.092	19.45	0.088
3	64QAM	8	4	19.68	0.093	19.64	0.092	19.44	0.088
3	64QAM	8	7	19.65	0.092	19.59	0.091	19.44	0.088
3	64QAM	15	0	19.68	0.093	19.62	0.092	19.55	0.090



LTE Band66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.49	0.141	21.43	0.139	21.34	0.136
1.4	QPSK	1	3	21.40	0.138	21.33	0.136	21.20	0.132
1.4	QPSK	1	5	21.43	0.139	21.06	0.128	21.05	0.127
1.4	QPSK	3	0	20.42	0.110	20.41	0.110	20.20	0.105
1.4	QPSK	3	1	20.40	0.110	20.36	0.109	20.23	0.105
1.4	QPSK	3	3	20.38	0.109	20.29	0.107	20.15	0.104
1.4	QPSK	6	0	20.44	0.111	20.33	0.108	20.19	0.104
1.4	16QAM	1	0	20.73	0.118	20.91	0.123	20.93	0.124
1.4	16QAM	1	3	20.87	0.122	20.75	0.119	20.61	0.115
1.4	16QAM	1	5	20.93	0.124	20.72	0.118	20.65	0.116
1.4	16QAM	3	0	19.50	0.089	19.55	0.090	19.36	0.086
1.4	16QAM	3	1	19.52	0.090	19.46	0.088	19.36	0.086
1.4	16QAM	3	3	19.54	0.090	19.40	0.087	19.25	0.084
1.4	16QAM	6	0	19.52	0.090	19.46	0.088	19.42	0.087
1.4	64QAM	1	0	19.76	0.095	19.84	0.096	19.79	0.095
1.4	64QAM	1	3	19.81	0.096	19.75	0.094	19.49	0.089
1.4	64QAM	1	5	19.85	0.097	19.70	0.093	19.57	0.091
1.4	64QAM	3	0	19.43	0.088	19.47	0.089	19.57	0.091
1.4	64QAM	3	1	19.50	0.089	19.46	0.088	19.56	0.090
1.4	64QAM	3	3	19.47	0.089	19.41	0.087	19.46	0.088
1.4	64QAM	6	0	19.50	0.089	19.44	0.088	19.37	0.086



LTE Band 71				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dbm	W	dbm	W	dbm	W
20	QPSK	1	0	20.20	0.105	20.01	0.100	20.07	0.102
20	QPSK	1	12	19.86	0.097	19.69	0.093	19.64	0.092
20	QPSK	1	24	19.78	0.095	19.67	0.093	19.71	0.094
20	QPSK	12	0	19.29	0.085	19.10	0.081	19.07	0.081
20	QPSK	12	7	18.95	0.079	18.78	0.076	18.73	0.075
20	QPSK	12	13	18.87	0.077	18.76	0.075	18.80	0.076
20	QPSK	25	0	18.90	0.078	18.82	0.076	18.78	0.076
20	16QAM	1	0	19.19	0.083	19.10	0.081	19.13	0.082
20	16QAM	1	12	19.25	0.084	19.08	0.081	19.03	0.080
20	16QAM	1	24	19.17	0.083	19.06	0.081	19.10	0.081
20	16QAM	12	0	19.20	0.083	19.12	0.082	19.08	0.081
20	16QAM	12	7	19.18	0.083	18.69	0.074	18.72	0.074
20	16QAM	12	13	18.84	0.077	18.67	0.074	18.62	0.073
20	16QAM	25	0	18.76	0.075	18.65	0.073	18.69	0.074
20	64QAM	1	0	19.53	0.090	19.45	0.088	19.41	0.087
20	64QAM	1	49	19.51	0.089	19.02	0.080	19.05	0.080
20	64QAM	1	99	19.17	0.083	19.00	0.079	18.95	0.079
20	64QAM	50	0	19.21	0.083	19.13	0.082	19.09	0.081
20	64QAM	50	24	19.19	0.083	18.70	0.074	18.73	0.075
20	64QAM	50	50	18.85	0.077	18.68	0.074	18.63	0.073
20	64QAM	100	0	18.88	0.077	18.70	0.074	18.70	0.074



LTE Band 71				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.5		680.5		690.5	
				dbm	W	dbm	W	dbm	W
15	QPSK	1	0	19.83	0.096	19.72	0.094	19.95	0.099
15	QPSK	1	12	19.81	0.096	19.69	0.093	19.71	0.094
15	QPSK	1	24	19.78	0.095	19.66	0.092	19.66	0.092
15	QPSK	12	0	18.92	0.078	18.81	0.076	19.04	0.080
15	QPSK	12	7	18.90	0.078	18.78	0.076	18.80	0.076
15	QPSK	12	13	18.87	0.077	18.75	0.075	18.75	0.075
15	QPSK	25	0	18.83	0.076	18.72	0.074	18.78	0.076
15	16QAM	1	0	19.22	0.084	19.11	0.081	19.34	0.086
15	16QAM	1	12	19.20	0.083	19.08	0.081	19.10	0.081
15	16QAM	1	24	19.17	0.083	19.05	0.080	19.05	0.080
15	16QAM	12	0	19.13	0.082	19.02	0.080	19.08	0.081
15	16QAM	12	7	18.81	0.076	18.70	0.074	18.93	0.078
15	16QAM	12	13	18.79	0.076	18.67	0.074	18.69	0.074
15	16QAM	25	0	18.76	0.075	18.64	0.073	18.64	0.073
15	64QAM	1	0	19.06	0.081	19.08	0.081	19.15	0.082
15	64QAM	1	37	19.14	0.082	19.03	0.080	19.26	0.084
15	64QAM	1	74	19.12	0.082	19.00	0.079	19.02	0.080
15	64QAM	36	0	19.14	0.082	19.03	0.080	19.09	0.081
15	64QAM	36	20	18.82	0.076	18.71	0.074	18.94	0.078
15	64QAM	36	39	18.80	0.076	18.68	0.074	18.70	0.074
15	64QAM	75	0	18.85	0.077	18.73	0.075	18.69	0.074





LTE Band 71				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133297		133422	
Frequency (MHz)				668		680.5		693	
				dbm	W	dbm	W	dbm	W
10	QPSK	1	0	19.86	0.097	19.85	0.097	19.67	0.093
10	QPSK	1	12	19.83	0.096	19.73	0.094	19.57	0.091
10	QPSK	1	24	19.85	0.097	19.60	0.091	19.60	0.091
10	QPSK	12	0	18.95	0.079	18.94	0.078	18.76	0.075
10	QPSK	12	7	18.92	0.078	18.82	0.076	18.66	0.073
10	QPSK	12	13	18.94	0.078	18.69	0.074	18.69	0.074
10	QPSK	25	0	18.91	0.078	18.77	0.075	18.72	0.074
10	16QAM	1	0	19.25	0.084	19.24	0.084	19.06	0.081
10	16QAM	1	12	19.22	0.084	19.12	0.082	18.96	0.079
10	16QAM	1	24	19.24	0.084	18.99	0.079	18.99	0.079
10	16QAM	12	0	19.21	0.083	19.07	0.081	19.02	0.080
10	16QAM	12	7	18.84	0.077	18.83	0.076	18.65	0.073
10	16QAM	12	13	18.81	0.076	18.71	0.074	18.55	0.072
10	16QAM	25	0	18.83	0.076	18.58	0.072	18.58	0.072
10	64QAM	1	0	19.08	0.081	19.19	0.083	19.15	0.082
10	64QAM	1	25	19.17	0.083	19.16	0.082	18.98	0.079
10	64QAM	1	49	19.14	0.082	19.04	0.080	18.88	0.077
10	64QAM	25	0	19.22	0.084	19.08	0.081	19.03	0.080
10	64QAM	25	12	18.85	0.077	18.84	0.077	18.66	0.073
10	64QAM	25	25	18.82	0.076	18.72	0.074	18.56	0.072
10	64QAM	50	0	18.79	0.076	18.71	0.074	18.65	0.073



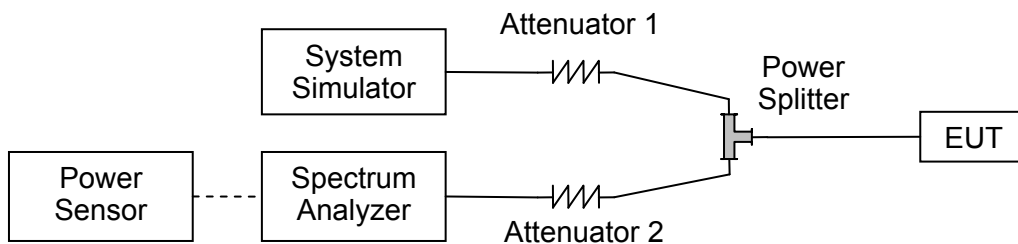
LTE Band 71				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dbm	W	dbm	W	dbm	W
5	QPSK	1	0	19.94	0.099	19.81	0.096	19.66	0.092
5	QPSK	1	12	19.92	0.098	19.74	0.094	19.63	0.092
5	QPSK	1	24	19.82	0.096	19.62	0.092	19.46	0.088
5	QPSK	12	0	19.03	0.080	18.90	0.078	18.75	0.075
5	QPSK	12	7	19.01	0.080	18.83	0.076	18.72	0.074
5	QPSK	12	13	18.91	0.078	18.71	0.074	18.55	0.072
5	QPSK	25	0	18.90	0.078	18.72	0.074	18.72	0.074
5	16QAM	1	0	19.33	0.086	19.20	0.083	19.05	0.080
5	16QAM	1	12	19.31	0.085	19.13	0.082	19.02	0.080
5	16QAM	1	24	19.21	0.083	19.01	0.080	18.85	0.077
5	16QAM	12	0	19.20	0.083	19.02	0.080	19.02	0.080
5	16QAM	12	7	18.92	0.078	18.79	0.076	18.64	0.073
5	16QAM	12	13	18.90	0.078	18.72	0.074	18.61	0.073
5	16QAM	25	0	18.80	0.076	18.60	0.072	18.44	0.070
5	64QAM	1	0	19.28	0.085	19.15	0.082	19.05	0.080
5	64QAM	1	12	19.25	0.084	19.12	0.082	18.97	0.079
5	64QAM	1	24	19.23	0.084	19.05	0.080	18.94	0.078
5	64QAM	12	0	19.21	0.083	19.03	0.080	19.03	0.080
5	64QAM	12	7	18.93	0.078	18.80	0.076	18.65	0.073
5	64QAM	12	13	18.91	0.078	18.73	0.075	18.62	0.073
5	64QAM	25	0	18.85	0.077	18.74	0.075	18.70	0.074

## 2.2. Occupied Bandwidth

### 2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

### 2.2.2. 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 50 Ohm; 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.

### 2.2.3. Test procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

### 2.2.4. Test Result



LTE Band 2				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.11	1.21
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.23
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	3.00
	Low	64QAM	2.71	3.03
	Mid	QPSK	2.70	2.98
	Mid	16QAM	2.71	3.01
	Mid	64QAM	2.71	3.01
	High	QPSK	2.70	3.01
	High	16QAM	2.70	3.00
	High	64QAM	2.71	3.00
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.51	5.01
	Low	64QAM	4.50	4.98
	Mid	QPSK	4.51	5.00
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.51	4.94
	High	QPSK	4.51	4.99
	High	16QAM	4.51	5.02
	High	64QAM	4.50	4.94
10	Low	QPSK	9.00	9.79
	Low	16QAM	8.97	9.74
	Low	64QAM	8.99	9.77
	Mid	QPSK	8.99	9.81
	Mid	16QAM	8.97	9.79
	Mid	64QAM	8.98	9.76
	High	QPSK	8.99	9.82
	High	16QAM	8.97	9.78
	High	64QAM	8.98	9.75



15	Low	QPSK	13.45	14.71
	Low	16QAM	13.46	14.62
	Low	64QAM	13.47	14.64
	Mid	QPSK	13.49	14.69
	Mid	16QAM	13.47	14.71
	Mid	64QAM	13.47	14.62
	High	QPSK	13.49	14.60
	High	16QAM	13.47	14.76
	High	64QAM	13.47	14.65
20	Low	QPSK	17.91	19.56
	Low	16QAM	17.94	19.49
	Low	64QAM	17.91	19.37
	Mid	QPSK	17.95	19.54
	Mid	16QAM	17.94	19.47
	Mid	64QAM	17.96	19.52
	High	QPSK	17.94	19.43
	High	16QAM	17.97	19.48
	High	64QAM	17.96	19.47



LTE Band 4				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.09	1.21
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.10	1.23
	Mid	16QAM	1.10	1.23
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.23
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	3.02
	Low	16QAM	2.70	3.00
	Low	64QAM	2.70	3.02
	Mid	QPSK	2.70	3.03
	Mid	16QAM	2.70	2.99
	Mid	64QAM	2.71	3.02
	High	QPSK	2.70	2.99
	High	16QAM	2.70	3.01
	High	64QAM	2.71	3.01
5	Low	QPSK	4.51	4.99
	Low	16QAM	4.51	5.00
	Low	64QAM	4.51	4.97
	Mid	QPSK	4.50	5.01
	Mid	16QAM	4.50	4.96
	Mid	64QAM	4.50	4.98
	High	QPSK	4.51	5.02
	High	16QAM	4.51	4.98
	High	64QAM	4.50	4.97
10	Low	QPSK	9.00	9.80
	Low	16QAM	8.98	9.74
	Low	64QAM	8.99	9.81
	Mid	QPSK	9.00	9.79
	Mid	16QAM	8.96	9.75
	Mid	64QAM	8.99	9.87
	High	QPSK	9.00	9.76
	High	16QAM	8.98	9.77
	High	64QAM	8.99	9.77



15	Low	QPSK	13.49	14.73
	Low	16QAM	13.47	14.76
	Low	64QAM	13.49	14.70
	Mid	QPSK	13.44	14.71
	Mid	16QAM	13.46	14.68
	Mid	64QAM	13.44	14.64
	High	QPSK	13.48	14.71
	High	16QAM	13.45	14.73
	High	64QAM	13.48	14.73
20	Low	QPSK	17.93	19.55
	Low	16QAM	17.99	19.48
	Low	64QAM	17.97	19.39
	Mid	QPSK	17.92	19.44
	Mid	16QAM	17.94	19.37
	Mid	64QAM	17.93	19.40
	High	QPSK	17.96	19.53
	High	16QAM	17.99	19.52
	High	64QAM	17.95	19.49



LTE Band 5				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.25
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.26
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.26
3	Low	QPSK	2.71	3.01
	Low	16QAM	2.70	3.00
	Low	64QAM	2.71	3.02
	Mid	QPSK	2.70	3.05
	Mid	16QAM	2.71	3.01
	Mid	64QAM	2.71	3.03
	High	QPSK	2.70	3.05
	High	16QAM	2.71	3.01
	High	64QAM	2.71	3.00
5	Low	QPSK	4.51	5.00
	Low	16QAM	4.51	5.00
	Low	64QAM	4.51	4.98
	Mid	QPSK	4.52	5.02
	Mid	16QAM	4.52	5.00
	Mid	64QAM	4.49	4.97
	High	QPSK	4.50	4.98
	High	16QAM	4.49	4.97
	High	64QAM	4.50	4.95
10	Low	QPSK	9.00	9.84
	Low	16QAM	8.98	9.79
	Low	64QAM	8.98	9.84
	Mid	QPSK	9.02	9.85
	Mid	16QAM	8.98	9.77
	Mid	64QAM	8.99	9.79
	High	QPSK	9.02	9.83
	High	16QAM	8.97	9.80
	High	64QAM	8.97	9.78





LTE Band 12				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.25
3	Low	QPSK	2.70	3.01
	Low	16QAM	2.71	3.01
	Low	64QAM	2.71	3.00
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.70	3.02
	Mid	64QAM	2.71	3.00
	High	QPSK	2.70	3.04
	High	16QAM	2.71	3.00
	High	64QAM	2.71	2.98
5	Low	QPSK	4.51	4.98
	Low	16QAM	4.51	4.94
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.52	5.00
	Mid	16QAM	4.51	4.97
	Mid	64QAM	4.51	5.01
	High	QPSK	4.50	4.99
	High	16QAM	4.50	4.97
	High	64QAM	4.50	4.96
10	Low	QPSK	9.02	9.85
	Low	16QAM	8.98	9.78
	Low	64QAM	8.98	9.84
	Mid	QPSK	9.02	9.87
	Mid	16QAM	9.00	9.75
	Mid	64QAM	8.99	9.84
	High	QPSK	8.95	9.84
	High	16QAM	8.94	9.71
	High	64QAM	8.97	9.77



LTE Band 13				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.50	4.97
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.51	4.94
	Mid	64QAM	4.50	4.97
	High	QPSK	4.50	4.98
	High	16QAM	4.51	4.99
	High	64QAM	4.51	4.98
10	Mid	QPSK	8.99	9.81
	Mid	16QAM	8.95	9.73
	Mid	64QAM	8.97	9.78

LTE Band 17				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	4.96
	Low	16QAM	4.52	5.01
	Low	64QAM	4.51	4.97
	Mid	QPSK	4.51	5.00
	Mid	16QAM	4.51	4.97
	Mid	64QAM	4.50	4.98
	High	QPSK	4.51	4.99
	High	16QAM	4.51	4.94
	High	64QAM	4.49	4.97
10	Low	QPSK	9.00	9.76
	Low	16QAM	8.97	9.74
	Low	64QAM	8.99	9.86
	Mid	QPSK	8.98	9.81
	Mid	16QAM	8.95	9.71
	Mid	64QAM	8.97	9.79
	High	QPSK	8.96	9.74
	High	16QAM	8.95	9.71
	High	64QAM	8.96	9.80



LTE Band 25				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.23
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.23
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.09	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.71	3.00
	Low	16QAM	2.70	3.01
	Low	64QAM	2.71	2.99
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.71	3.00
	Mid	64QAM	2.71	3.02
	High	QPSK	2.70	3.03
	High	16QAM	2.70	3.00
	High	64QAM	2.71	3.01
5	Low	QPSK	4.51	4.99
	Low	16QAM	4.51	4.98
	Low	64QAM	4.51	4.99
	Mid	QPSK	4.51	5.01
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.50	4.99
	High	QPSK	4.51	4.93
	High	16QAM	4.51	4.96
	High	64QAM	4.51	4.95
10	Low	QPSK	8.97	9.77
	Low	16QAM	8.97	9.75
	Low	64QAM	8.98	9.84
	Mid	QPSK	9.00	9.83
	Mid	16QAM	8.97	9.76
	Mid	64QAM	8.99	9.78
	High	QPSK	8.98	9.83
	High	16QAM	8.96	9.79
	High	64QAM	8.97	9.78



15	Low	QPSK	13.46	14.68
	Low	16QAM	13.46	14.61
	Low	64QAM	13.46	14.57
	Mid	QPSK	13.49	14.68
	Mid	16QAM	13.45	14.68
	Mid	64QAM	13.47	14.64
	High	QPSK	13.44	14.59
	High	16QAM	13.42	14.71
	High	64QAM	13.45	14.54
20	Low	QPSK	17.92	19.46
	Low	16QAM	17.91	19.47
	Low	64QAM	17.93	19.48
	Mid	QPSK	17.93	19.60
	Mid	16QAM	17.94	19.55
	Mid	64QAM	17.98	19.42
	High	QPSK	17.90	19.39
	High	16QAM	17.96	19.44
	High	64QAM	17.92	19.37



LTE Band 26				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.08	1.21
	Low	16QAM	1.08	1.21
	Low	64QAM	1.09	1.20
	Mid	QPSK	1.08	1.20
	Mid	16QAM	1.09	1.19
	Mid	64QAM	1.09	1.18
	High	QPSK	1.09	1.21
	High	16QAM	1.09	1.22
	High	64QAM	1.09	1.21
3	Low	QPSK	2.70	2.89
	Low	16QAM	2.70	2.86
	Low	64QAM	2.68	2.91
	Mid	QPSK	2.68	2.90
	Mid	16QAM	2.70	2.92
	Mid	64QAM	2.73	2.96
	High	QPSK	2.70	2.89
	High	16QAM	2.69	2.86
	High	64QAM	2.70	2.88
5	Low	QPSK	4.49	4.75
	Low	16QAM	4.49	4.79
	Low	64QAM	4.50	4.79
	Mid	QPSK	4.49	4.82
	Mid	16QAM	4.48	4.81
	Mid	64QAM	4.49	4.81
	High	QPSK	4.49	4.78
	High	16QAM	4.48	4.79
	High	64QAM	4.48	4.82
10	Low	QPSK	8.92	9.45
	Low	16QAM	8.97	9.45
	Low	64QAM	8.89	9.45
	Mid	QPSK	8.96	9.50
	Mid	16QAM	8.94	9.46
	Mid	64QAM	8.93	9.42
	High	QPSK	8.95	9.61
	High	16QAM	8.96	9.52
	High	64QAM	8.91	9.47



15	Low	QPSK	13.44	14.15
	Low	16QAM	13.40	14.14
	Low	64QAM	13.36	14.17
	Mid	QPSK	13.46	14.36
	Mid	16QAM	13.44	14.22
	Mid	64QAM	13.46	14.19
	High	QPSK	13.43	14.22
	High	16QAM	13.44	14.21
	High	64QAM	13.45	14.25

LTE Band 30				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.51	4.98
	Low	64QAM	4.51	4.95
	Mid	QPSK	4.51	4.92
	Mid	16QAM	4.52	4.98
	Mid	64QAM	4.51	5.01
	High	QPSK	4.51	5.02
	High	16QAM	4.52	4.98
	High	64QAM	4.51	4.96
10	Mid	QPSK	9.00	9.83
	Mid	16QAM	8.97	9.78
	Mid	64QAM	8.98	9.84



LTE Band 41				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.54	5.08
	Low	16QAM	4.54	6.33
	Low	64QAM	4.53	5.86
	Mid	QPSK	4.54	5.12
	Mid	16QAM	4.52	5.94
	Mid	64QAM	4.52	5.78
	High	QPSK	4.63	9.41
	High	16QAM	4.55	8.66
	High	64QAM	4.56	8.13
10	Low	QPSK	9.04	15.29
	Low	16QAM	9.03	14.19
	Low	64QAM	9.02	14.35
	Mid	QPSK	9.01	10.40
	Mid	16QAM	8.99	11.81
	Mid	64QAM	9.01	10.76
	High	QPSK	9.11	18.23
	High	16QAM	9.05	17.59
	High	64QAM	9.06	16.32
15	Low	QPSK	13.62	25.45
	Low	16QAM	13.61	25.20
	Low	64QAM	13.55	24.19
	Mid	QPSK	13.50	14.88
	Mid	16QAM	13.50	17.53
	Mid	64QAM	13.51	17.55
	High	QPSK	13.60	26.45
	High	16QAM	13.60	24.83
	High	64QAM	13.58	23.90
20	Low	QPSK	18.33	36.52
	Low	16QAM	18.15	34.03
	Low	64QAM	18.16	34.47
	Mid	QPSK	18.01	21.51
	Mid	16QAM	17.96	23.94
	Mid	64QAM	17.99	23.38
	High	QPSK	18.12	33.14
	High	16QAM	18.04	30.69
	High	64QAM	18.07	33.21



LTE Band 66				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.09	1.23
	Low	64QAM	1.09	1.23
	Mid	QPSK	1.09	1.22
	Mid	16QAM	1.09	1.23
	Mid	64QAM	1.09	1.22
	High	QPSK	1.09	1.23
	High	16QAM	1.09	1.23
	High	64QAM	1.09	1.23
3	Low	QPSK	2.69	3.00
	Low	16QAM	2.70	3.00
	Low	64QAM	2.69	3.01
	Mid	QPSK	2.69	2.99
	Mid	16QAM	2.69	2.97
	Mid	64QAM	2.69	2.98
	High	QPSK	2.69	2.98
	High	16QAM	2.69	2.97
	High	64QAM	2.69	2.98
5	Low	QPSK	4.49	4.99
	Low	16QAM	4.49	4.99
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.49	4.98
	Mid	16QAM	4.50	4.96
	Mid	64QAM	4.50	4.96
	High	QPSK	4.49	4.94
	High	16QAM	4.50	4.98
	High	64QAM	4.50	5.00
10	Low	QPSK	8.99	9.82
	Low	16QAM	8.98	9.78
	Low	64QAM	8.96	9.80
	Mid	QPSK	8.99	9.76
	Mid	16QAM	8.97	9.80
	Mid	64QAM	8.97	9.73
	High	QPSK	8.99	9.77
	High	16QAM	9.00	9.79
	High	64QAM	8.98	9.78





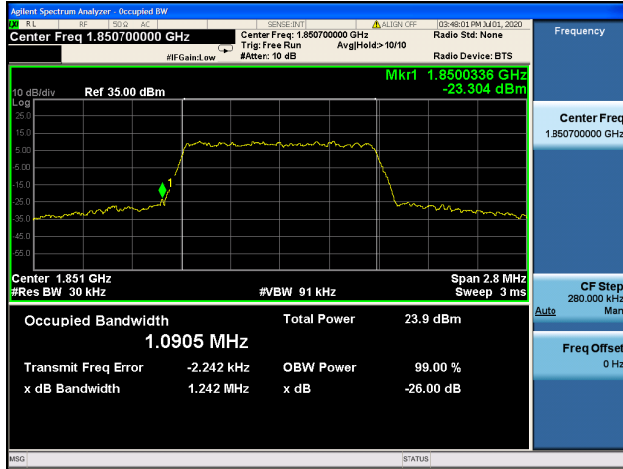
15	Low	QPSK	13.44	14.51
	Low	16QAM	13.45	14.52
	Low	64QAM	13.43	14.54
	Mid	QPSK	13.46	14.58
	Mid	16QAM	13.45	14.46
	Mid	64QAM	13.47	14.62
	High	QPSK	13.46	14.53
	High	16QAM	13.46	14.50
	High	64QAM	13.45	14.57
20	Low	QPSK	17.95	19.47
	Low	16QAM	17.95	19.34
	Low	64QAM	17.95	19.39
	Mid	QPSK	17.93	19.24
	Mid	16QAM	17.92	19.28
	Mid	64QAM	17.91	19.35
	High	QPSK	17.90	19.16
	High	16QAM	17.90	19.16
	High	64QAM	17.90	19.26



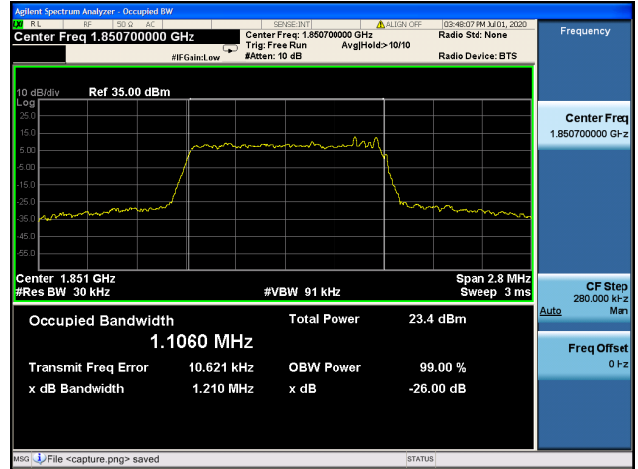
LTE Band 71				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.94
	Low	16QAM	4.49	4.93
	Low	64QAM	4.49	4.95
	Mid	QPSK	4.50	4.93
	Mid	16QAM	4.49	4.95
	Mid	64QAM	4.50	4.95
	High	QPSK	4.49	4.94
	High	16QAM	4.49	4.98
	High	64QAM	4.51	4.92
10	Low	QPSK	8.95	9.7
	Low	16QAM	8.91	9.65
	Low	64QAM	8.92	9.68
	Mid	QPSK	8.98	9.76
	Mid	16QAM	8.94	9.66
	Mid	64QAM	8.97	9.73
	High	QPSK	9.00	9.77
	High	16QAM	8.97	9.74
	High	64QAM	8.96	9.78
15	Low	QPSK	13.42	14.53
	Low	16QAM	13.43	14.45
	Low	64QAM	13.38	14.56
	Mid	QPSK	13.42	14.52
	Mid	16QAM	13.44	14.50
	Mid	64QAM	13.43	14.43
	High	QPSK	13.45	14.58
	High	16QAM	13.45	14.48
	High	64QAM	13.42	14.47
20	Low	QPSK	17.88	19.36
	Low	16QAM	17.90	19.29
	Low	64QAM	17.90	19.52
	Mid	QPSK	17.86	19.40
	Mid	16QAM	17.92	19.32
	Mid	64QAM	17.87	19.25
	High	QPSK	17.89	19.23
	High	16QAM	17.92	19.36
	High	64QAM	17.89	19.26



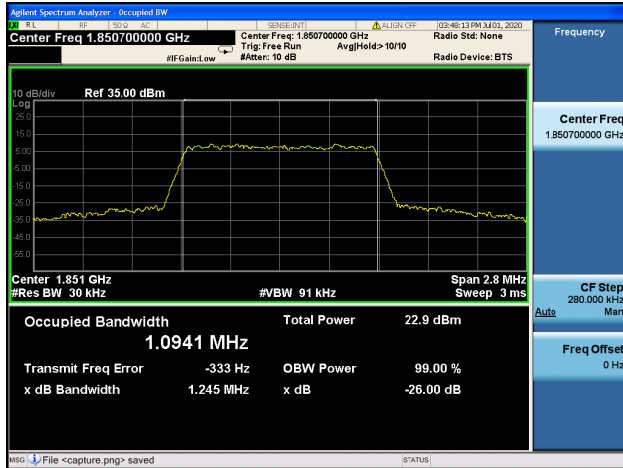
Band2 / 1.4MHz / Low CH / QPSK



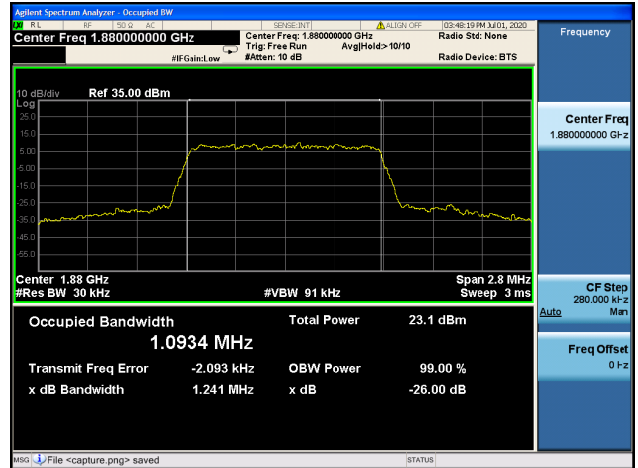
Band2 / 1.4MHz / Low CH / 16QAM



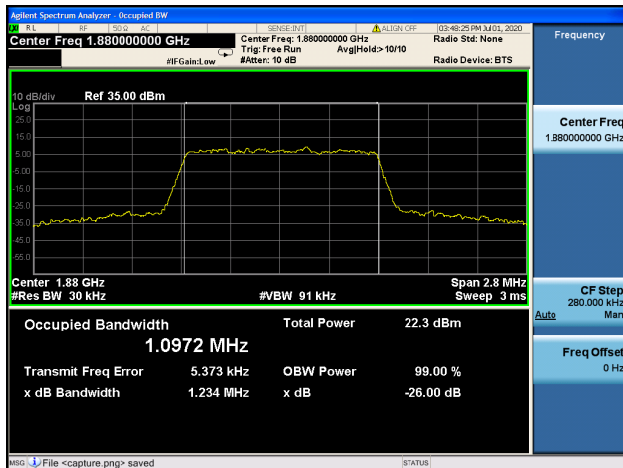
Band2 / 1.4MHz / Low CH / 64QAM



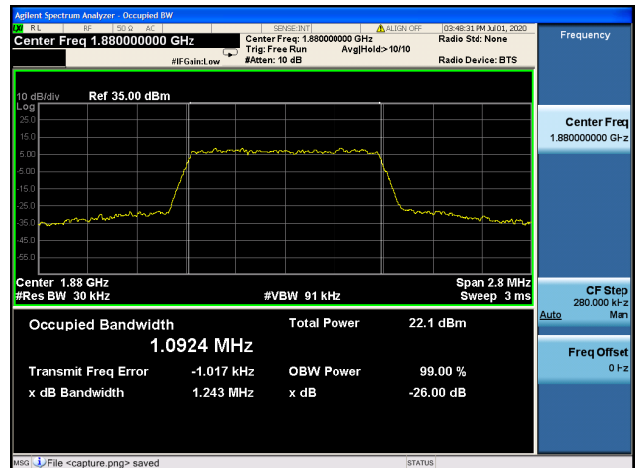
Band2 / 1.4MHz / Mid CH / QPSK

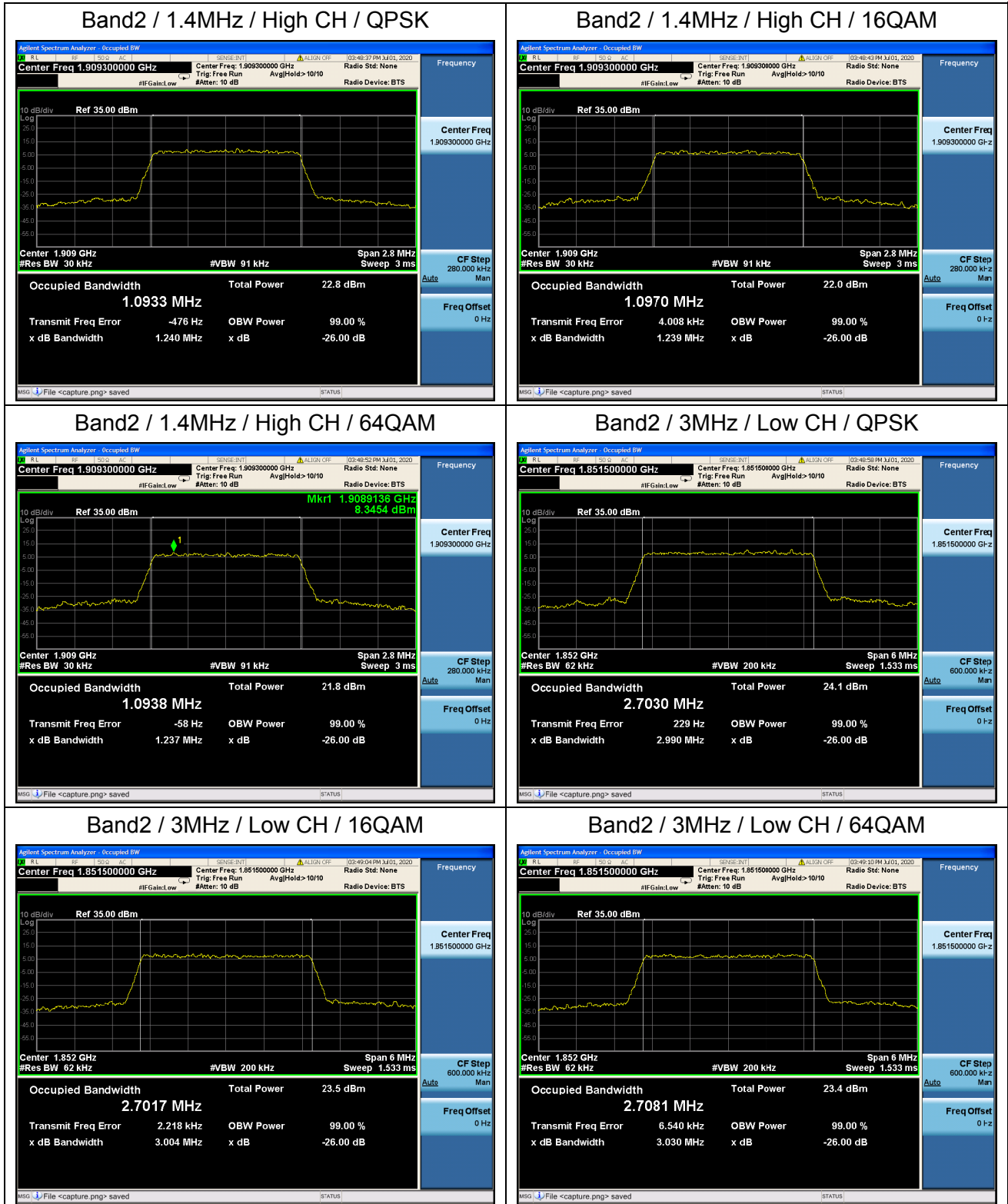


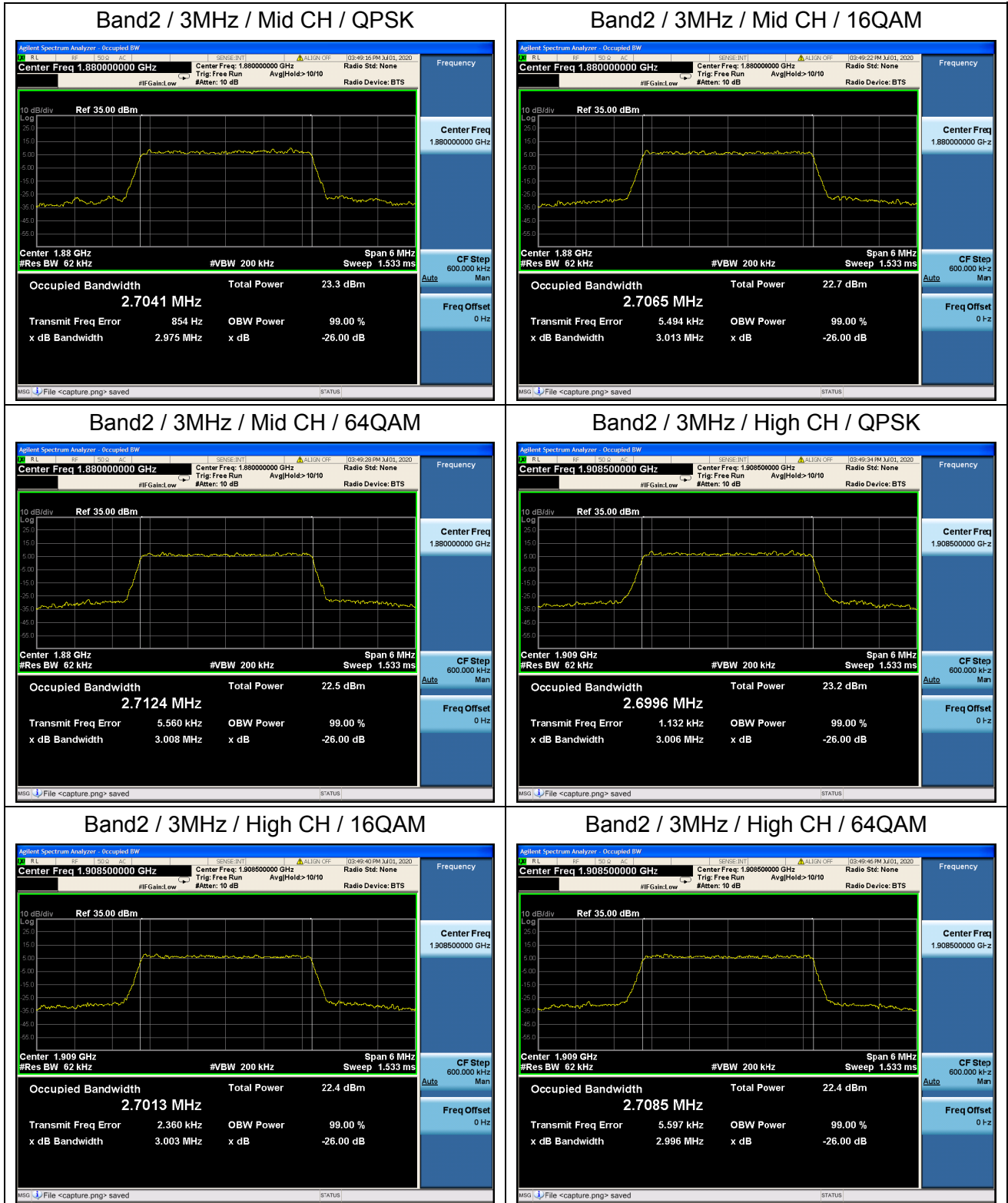
Band2 / 1.4MHz / Mid CH / 16QAM

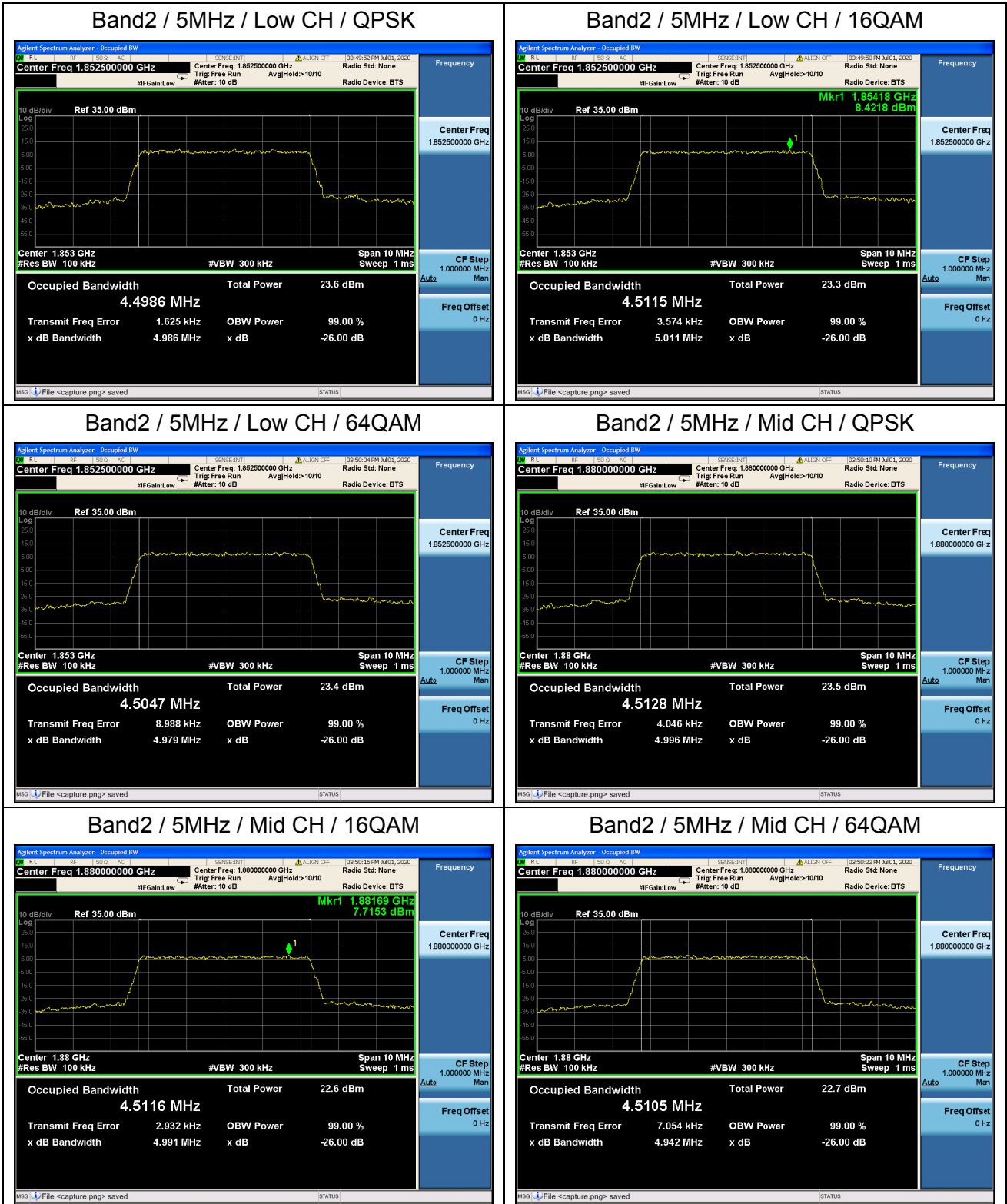


Band2 / 1.4MHz / Mid CH / 64QAM



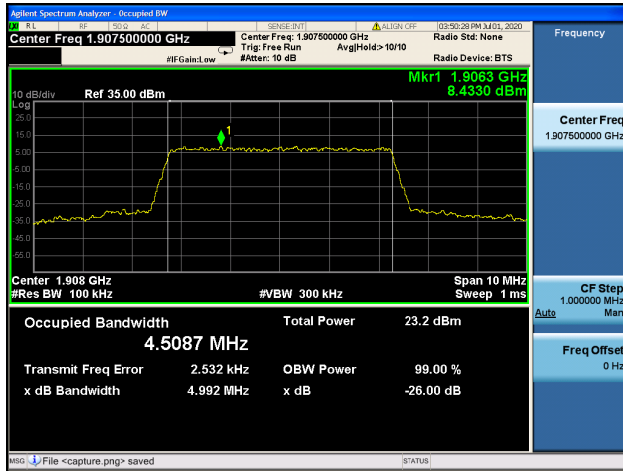




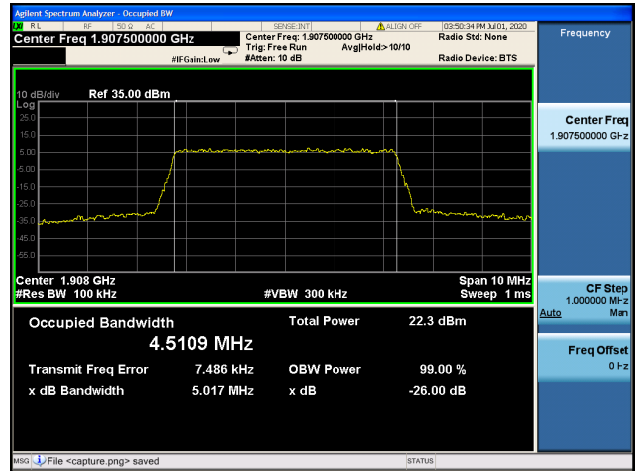




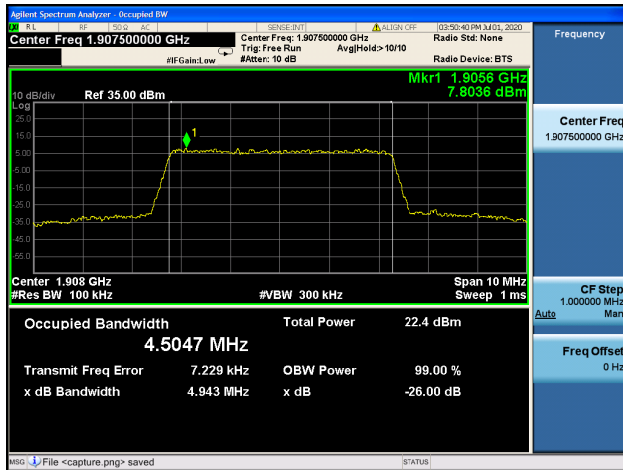
Band2 / 5MHz / High CH / QPSK



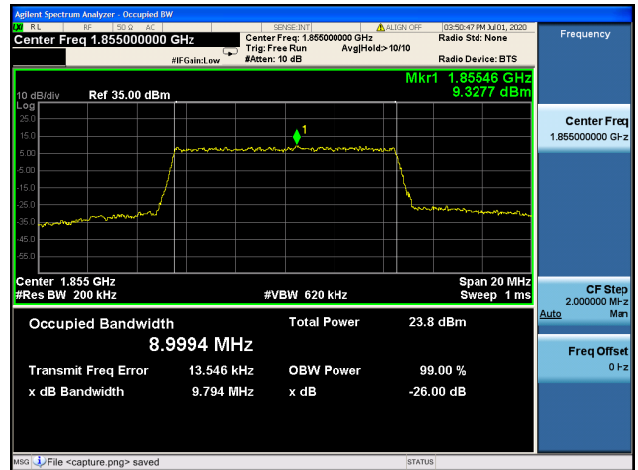
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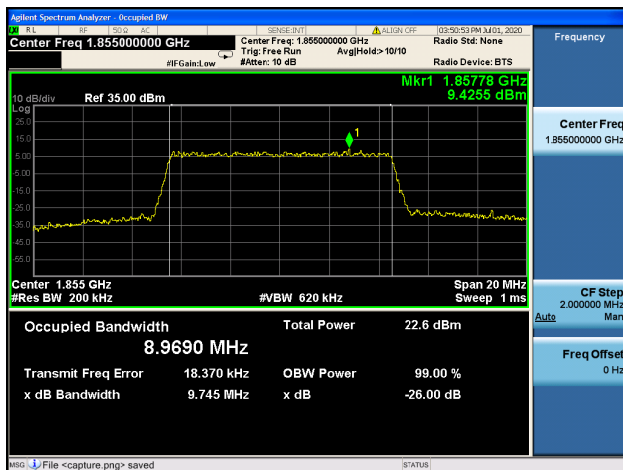
Band2 / 5MHz / High CH / 64QAM



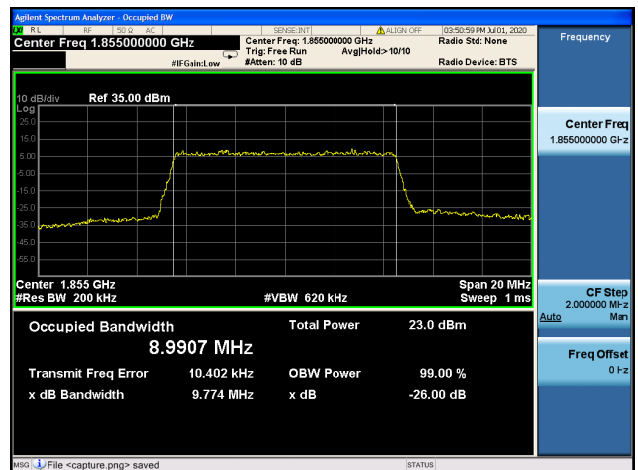
Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

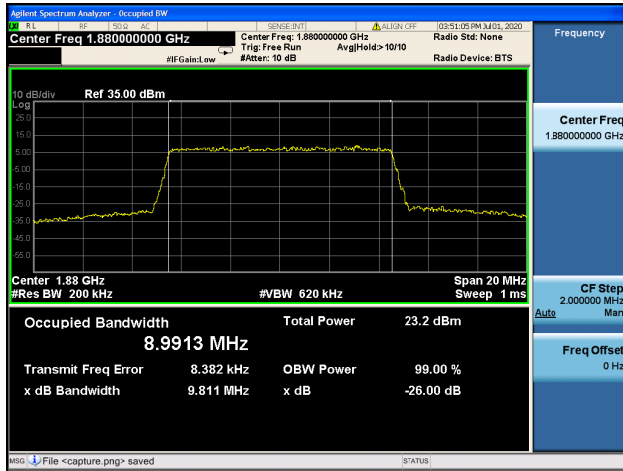


Band2 / 10MHz / Low CH / 64QAM

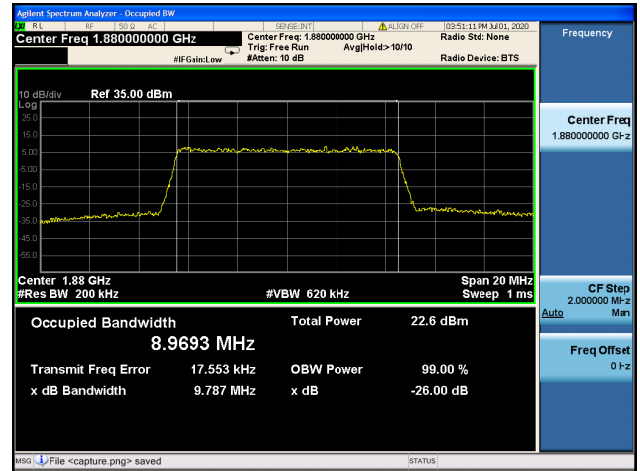




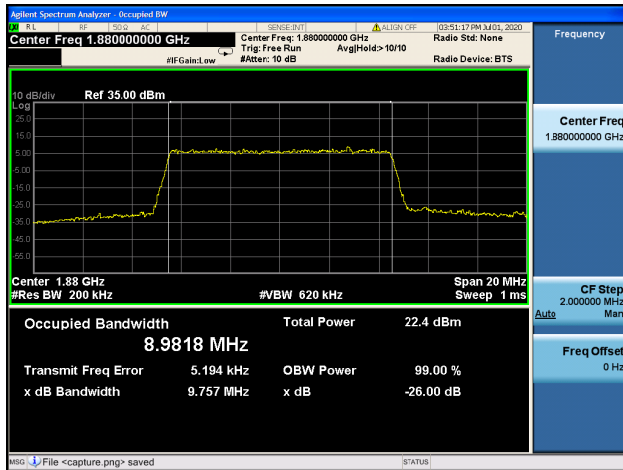
Band2 / 10MHz / Mid CH / QPSK



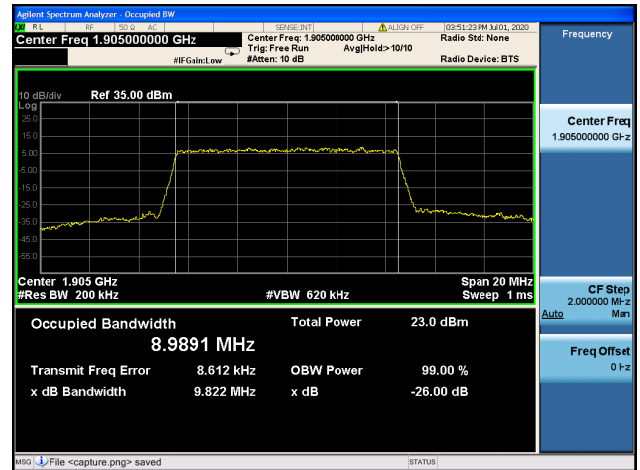
Band2 / 10MHz / Mid CH / 16QAM



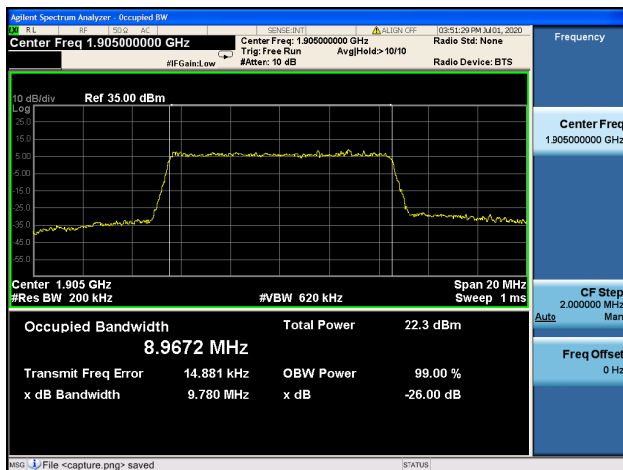
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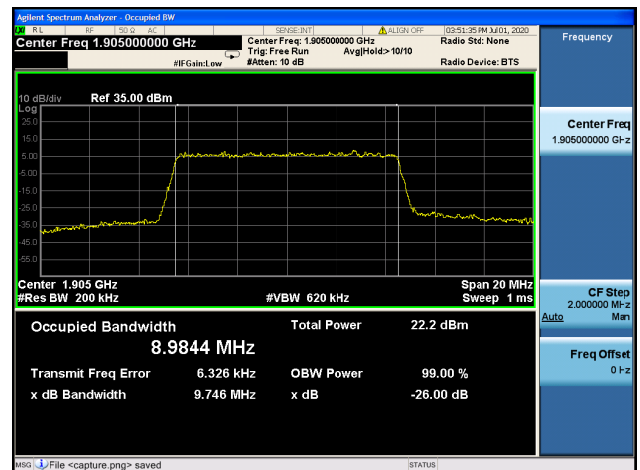
Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM



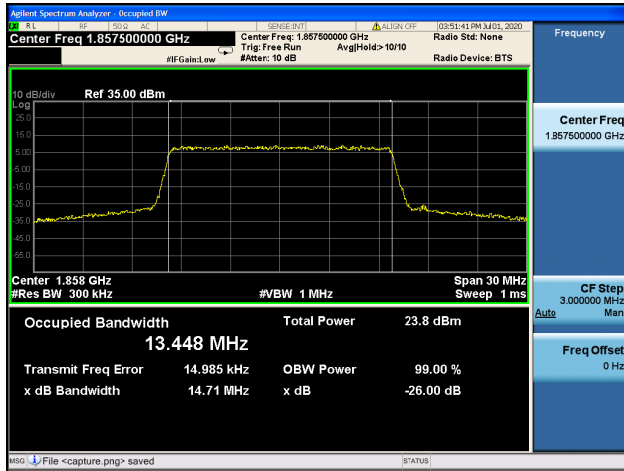
Band2 / 10MHz / High CH / 64QAM



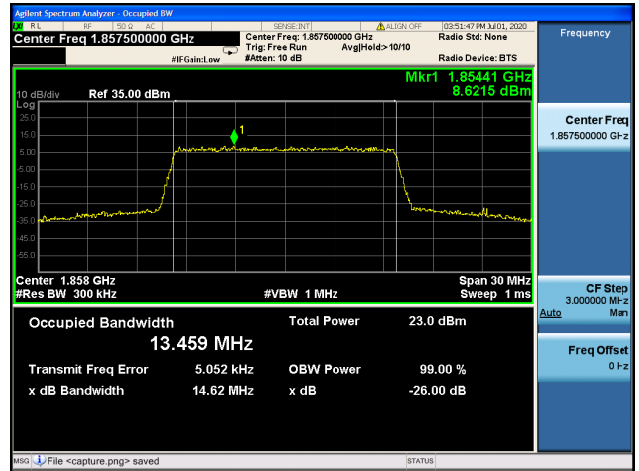




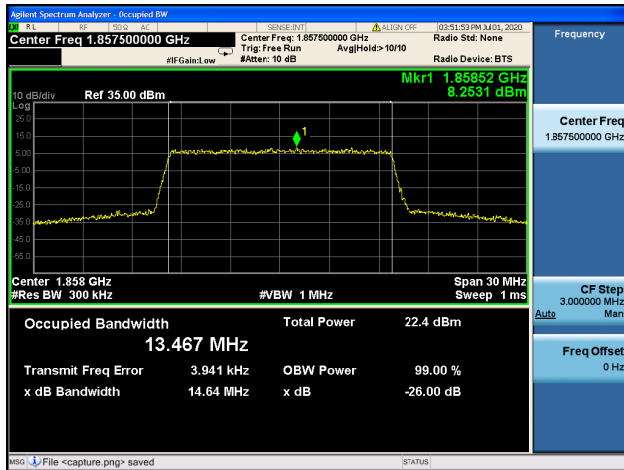
Band2 / 15MHz / Low CH / QPSK



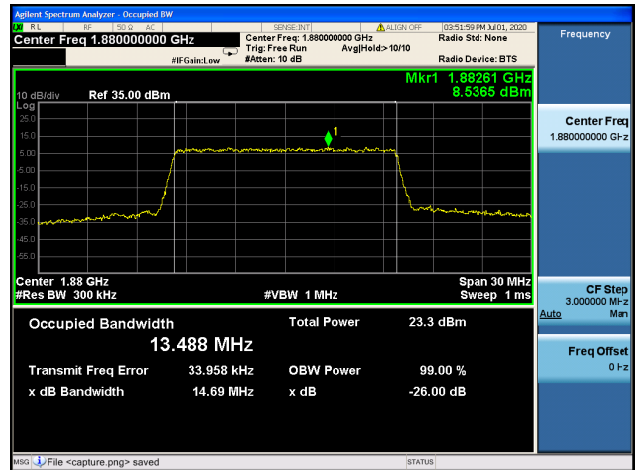
Band2 / 15MHz / Low CH / 16QAM



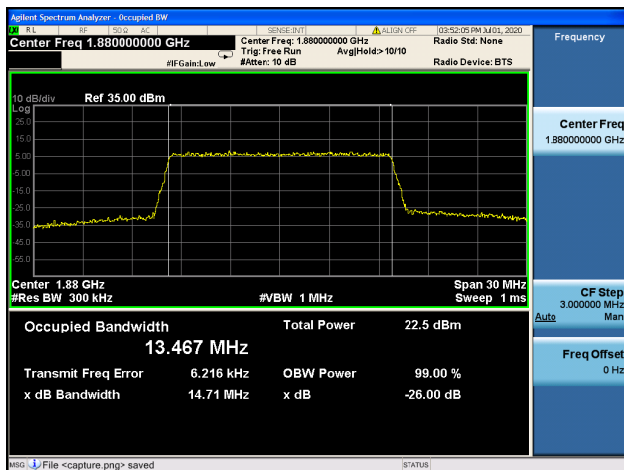
Band2 / 15MHz / Low CH / 64QAM



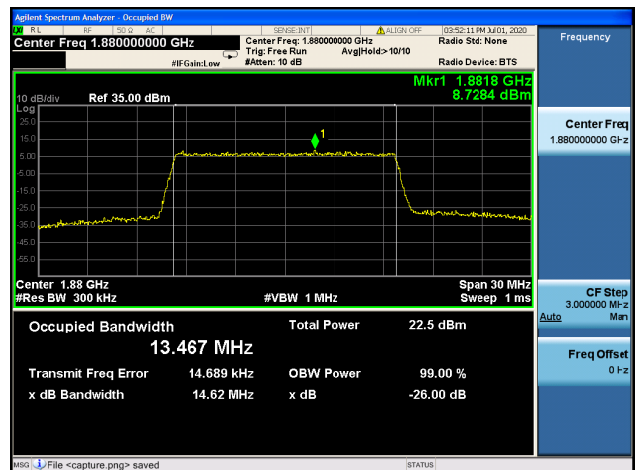
Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM

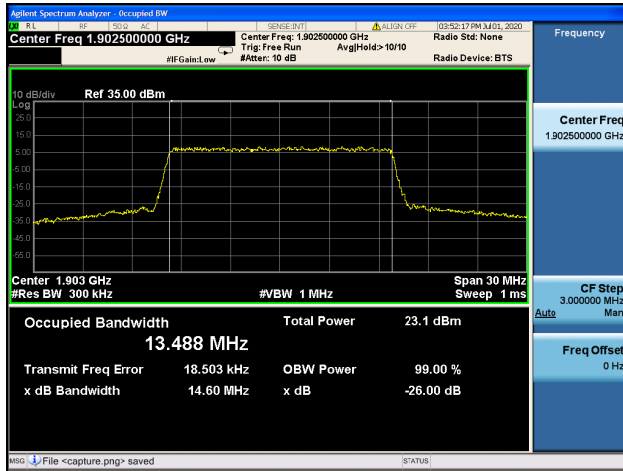


Band2 / 15MHz / Mid CH / 64QAM

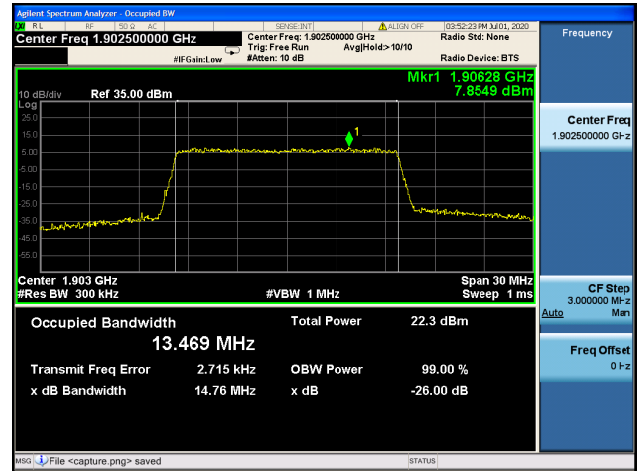




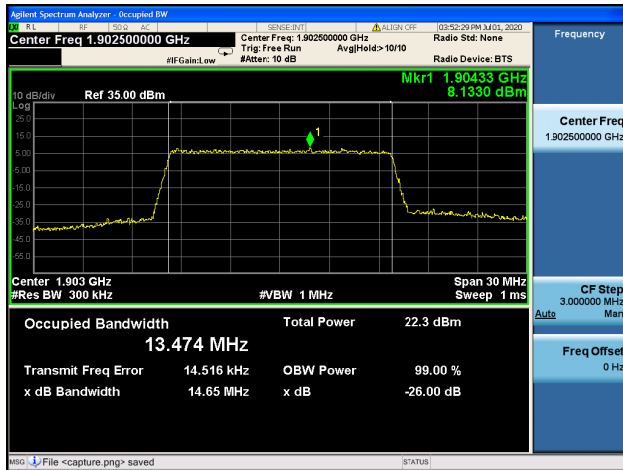
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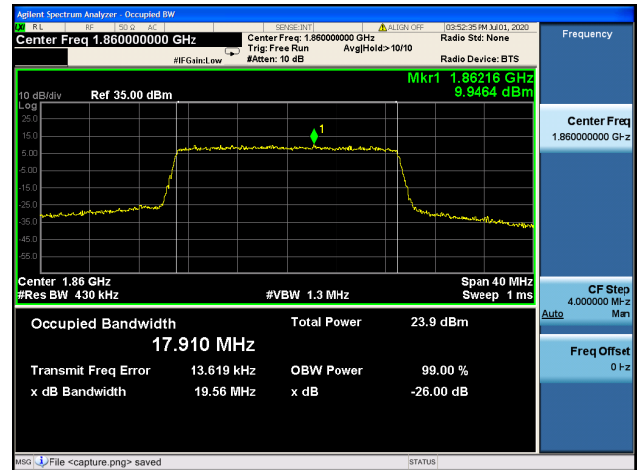
Band2 / 15MHz / High CH / 16QAM



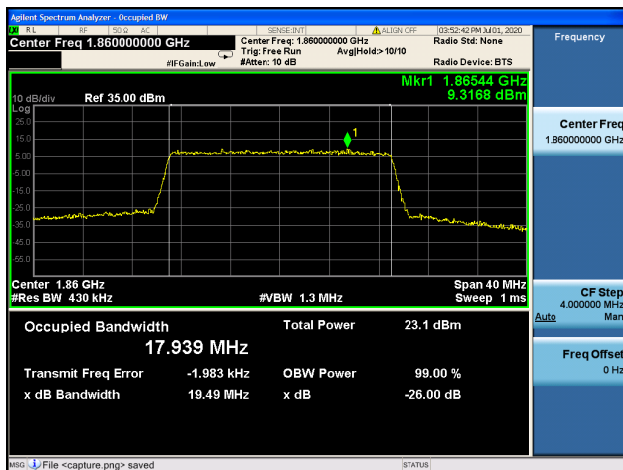
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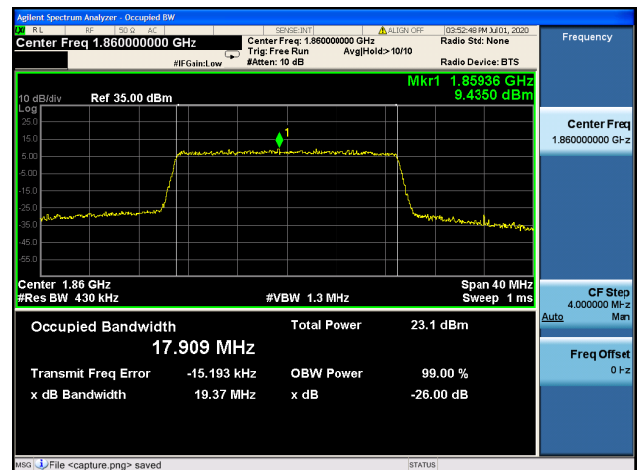
Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM

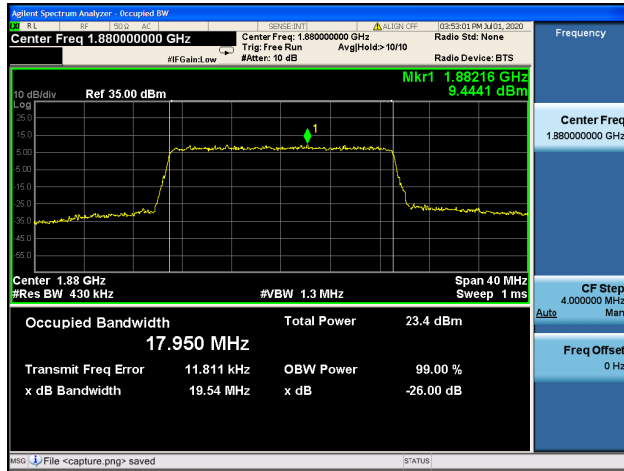


Band2 / 20MHz / Low CH / 64QAM

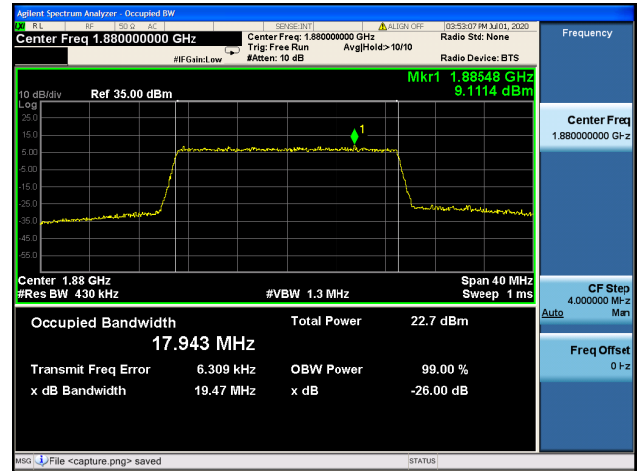




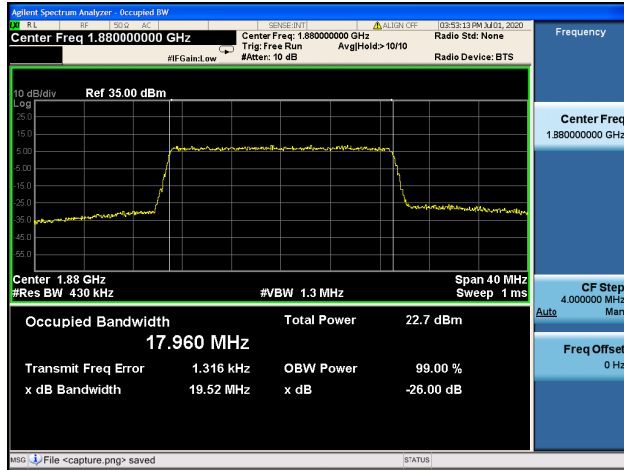
Band2 / 20MHz / Mid CH / QPSK



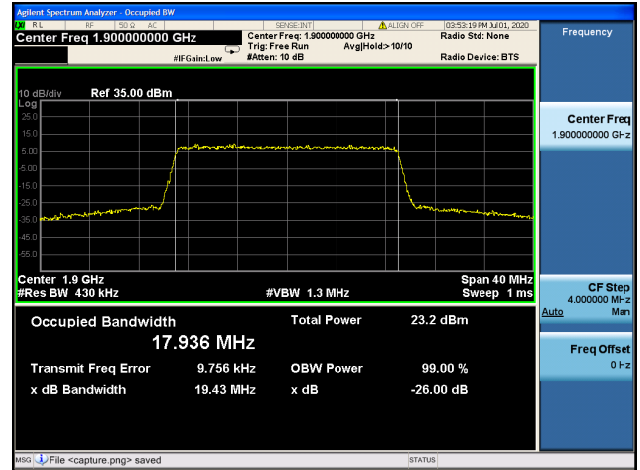
Band2 / 20MHz / Mid CH / 16QAM



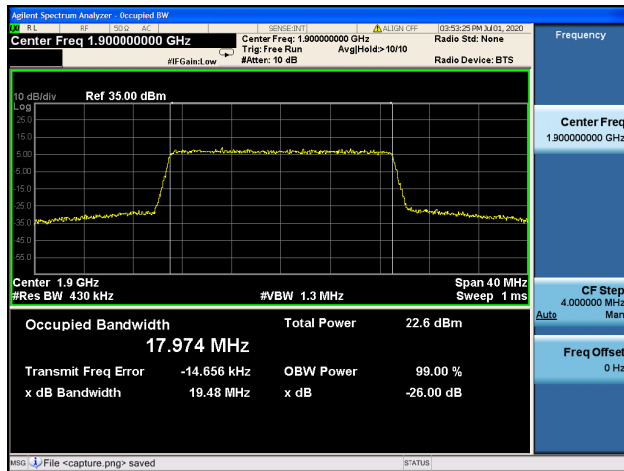
Band2 / 20MHz / Mid CH / 64QAM



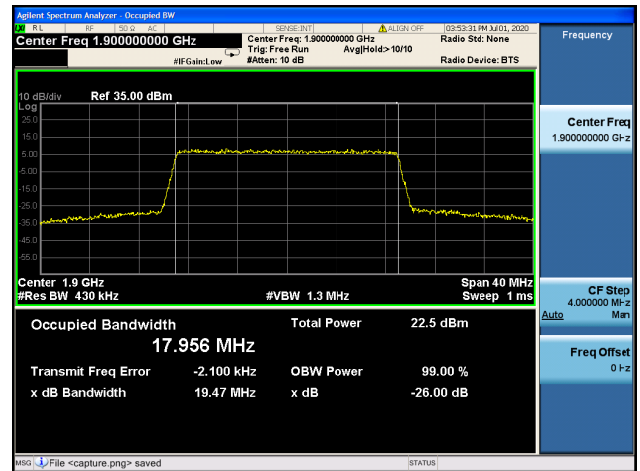
Band2 / 20MHz / High CH / QPSK

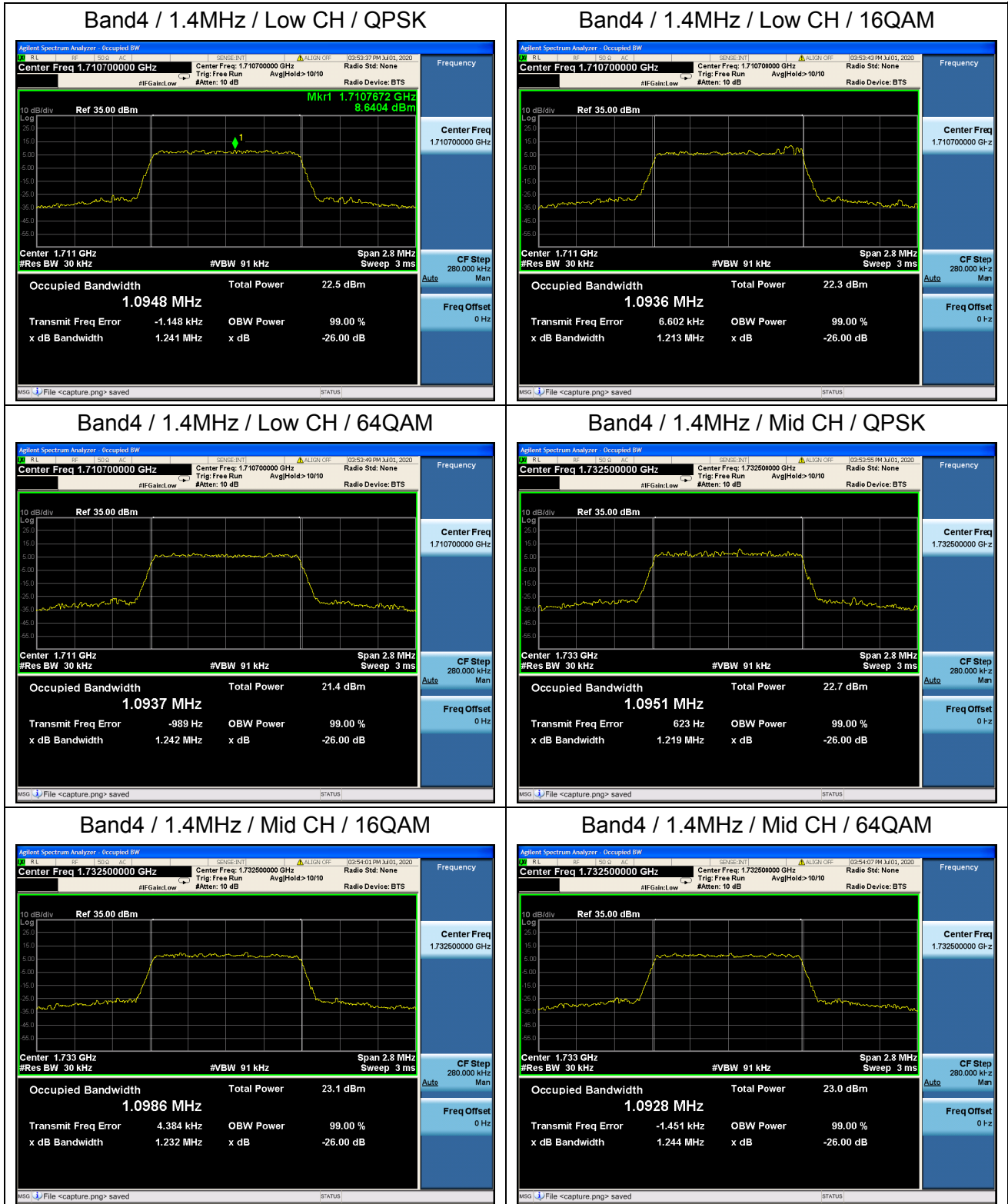


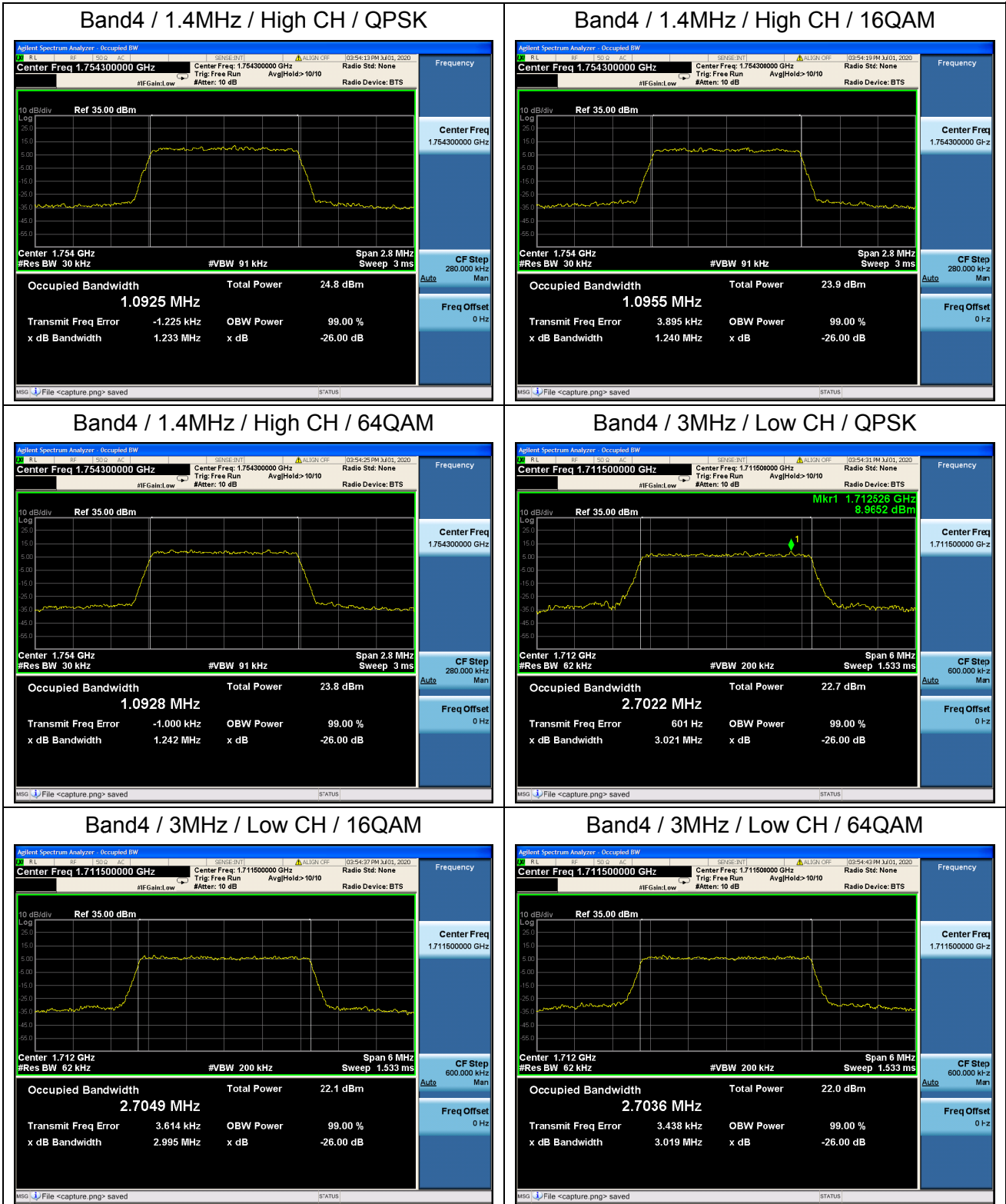
Band2 / 20MHz / High CH / 16QAM

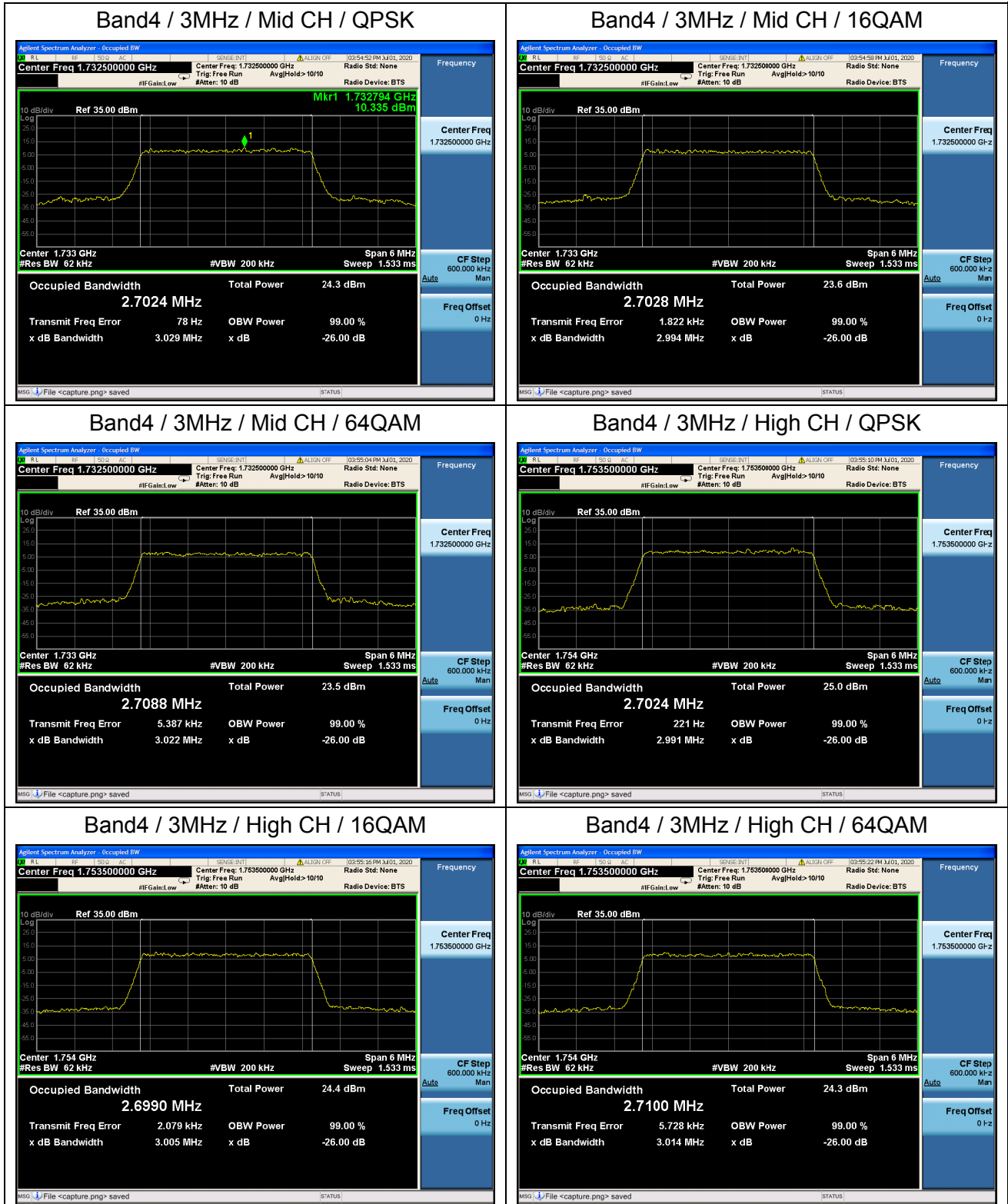


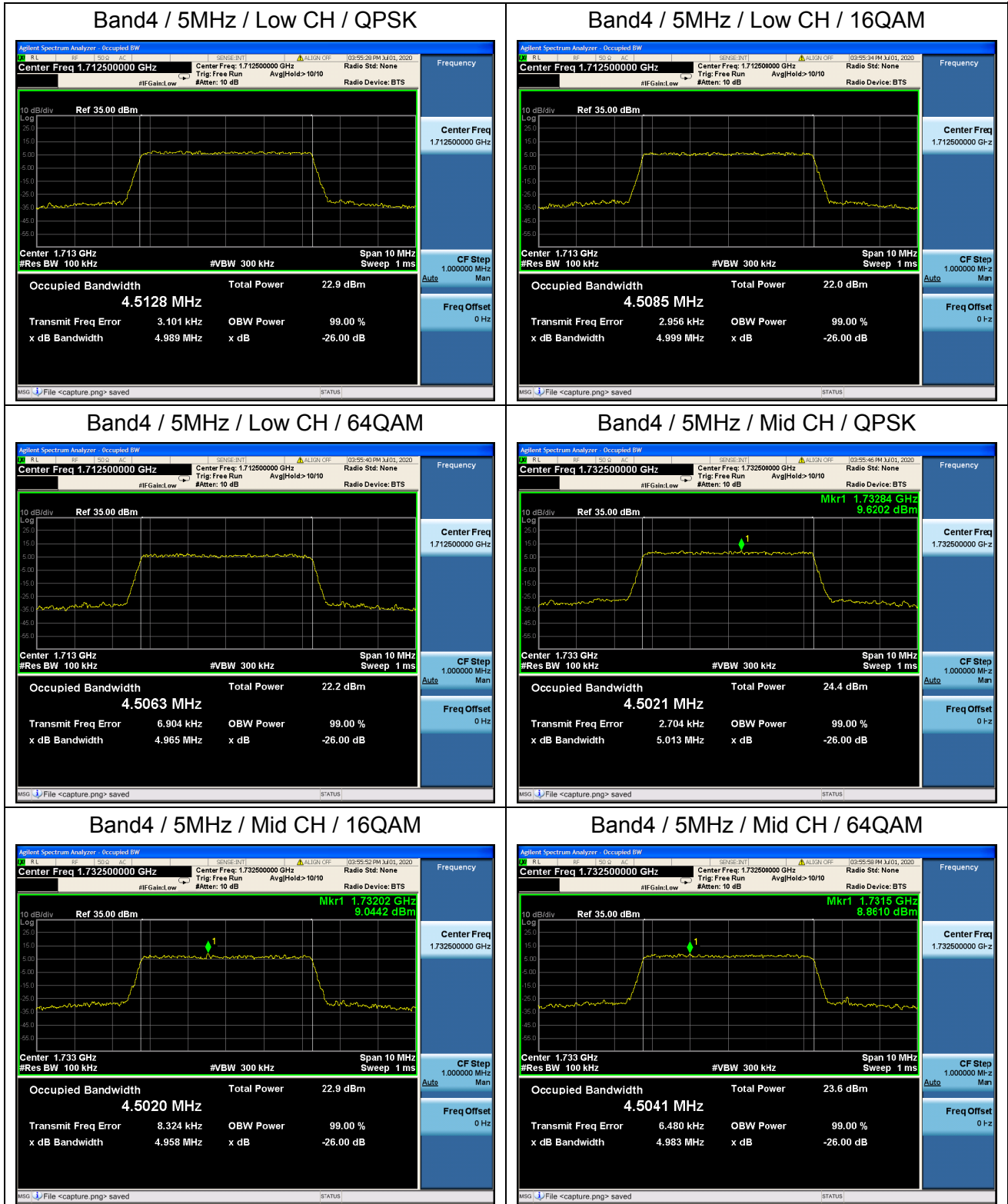
Band2 / 20MHz / High CH / 64QAM





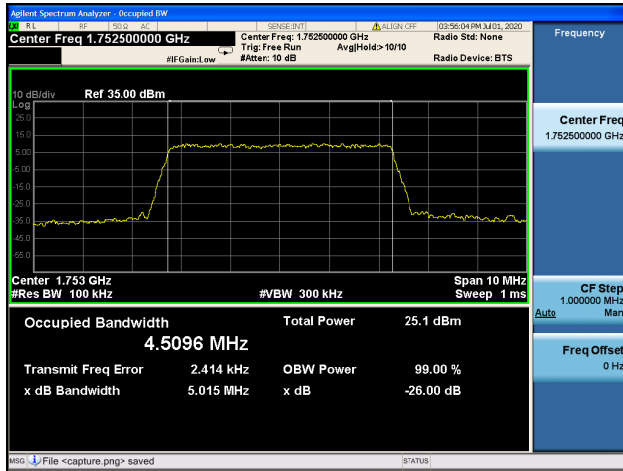




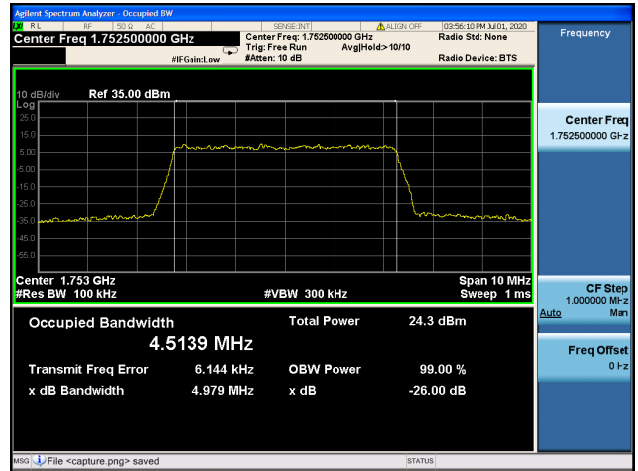




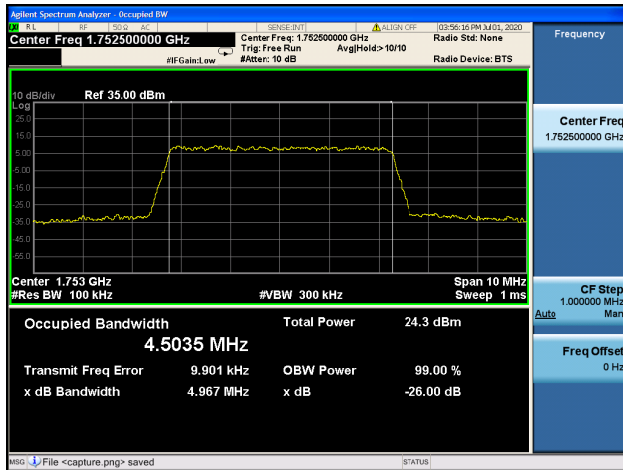
Band4 / 5MHz / High CH / QPSK



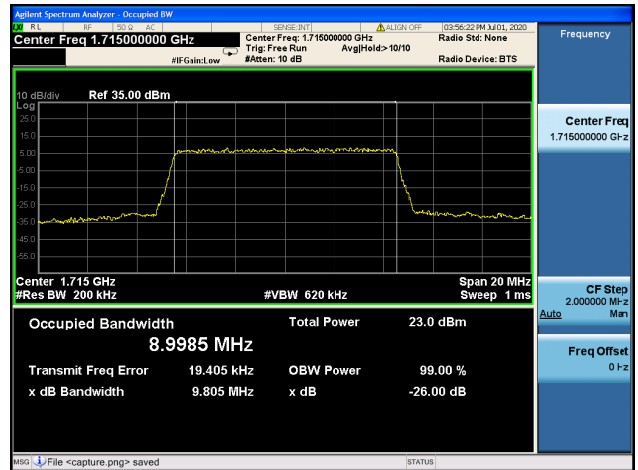
Band4 / 5MHz / High CH / 16QAM



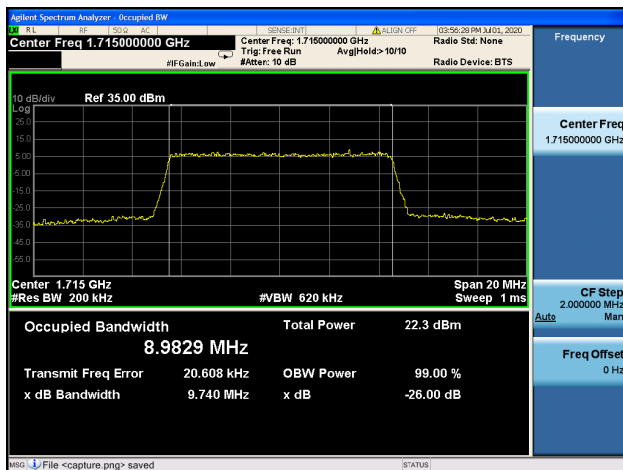
Band4 / 5MHz / High CH / 64QAM



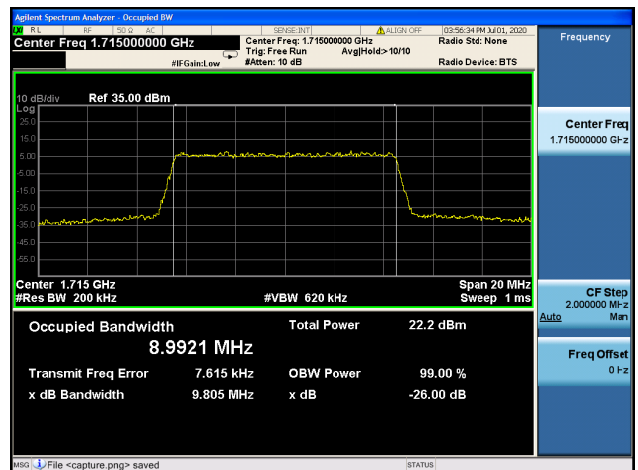
Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM



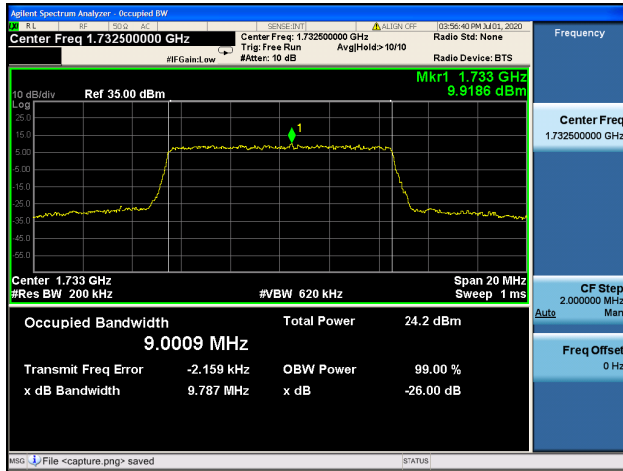
Band4 / 10MHz / Low CH / 64QAM



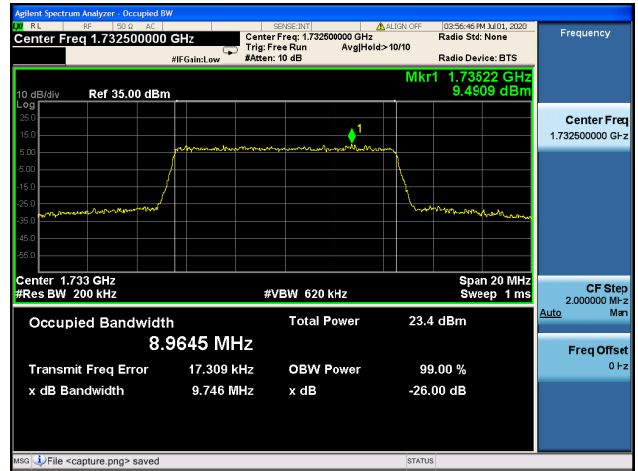




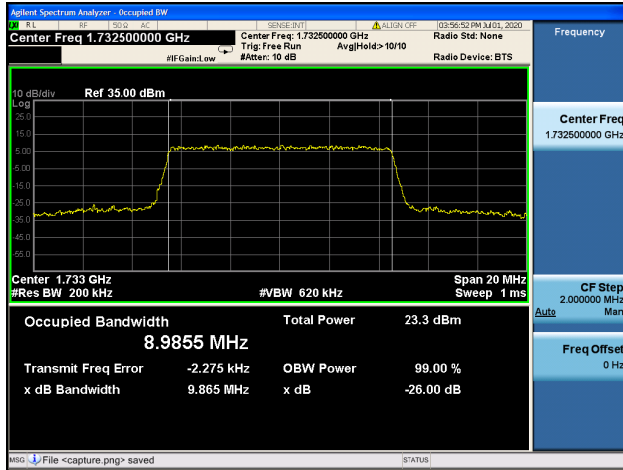
Band4 / 10MHz / Mid CH / QPSK



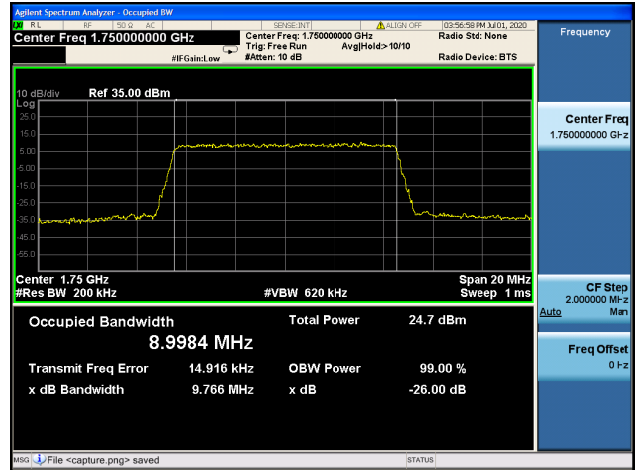
Band4 / 10MHz / Mid CH / 16QAM



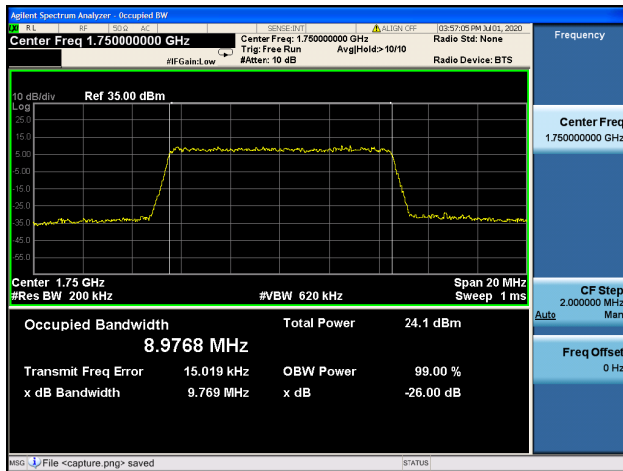
Band4 / 10MHz / Mid CH / 64QAM



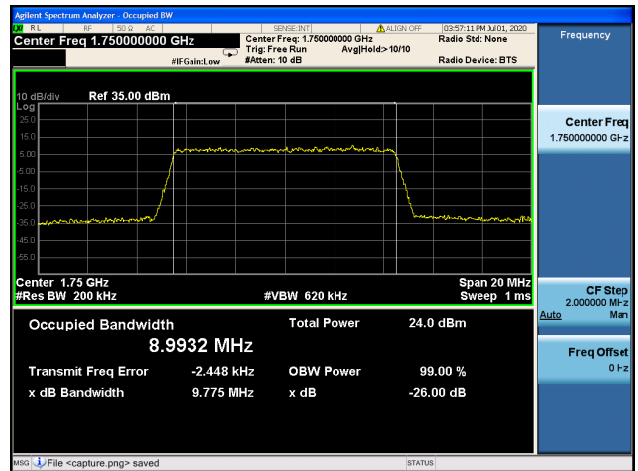
Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

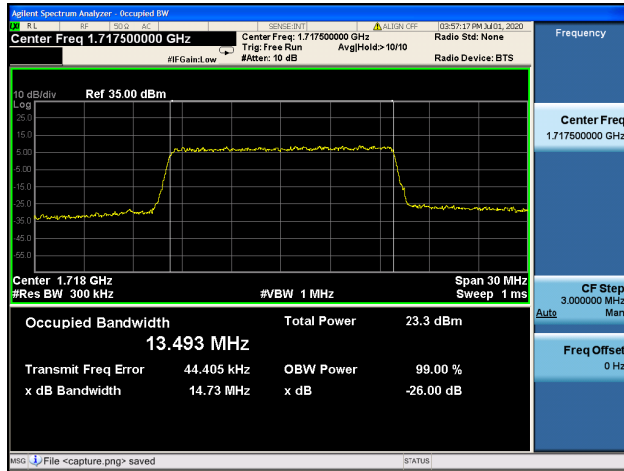


Band4 / 10MHz / High CH / 64QAM

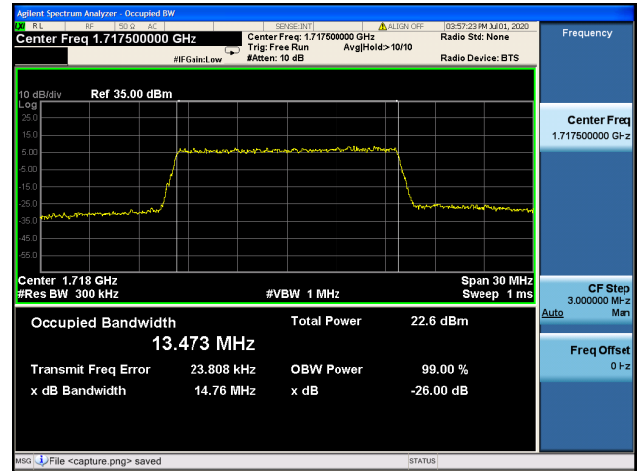




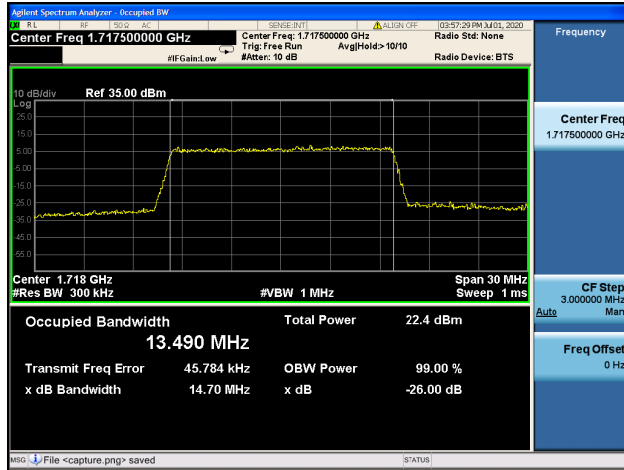
**Band4 / 15MHz / Low CH / QPSK**



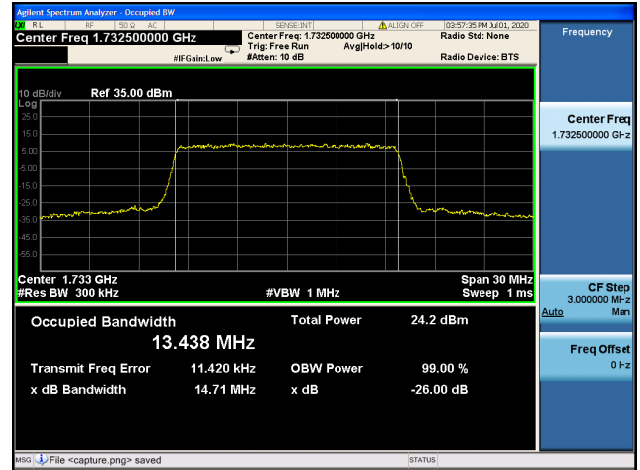
**Band4 / 15MHz / Low CH / 16QAM**



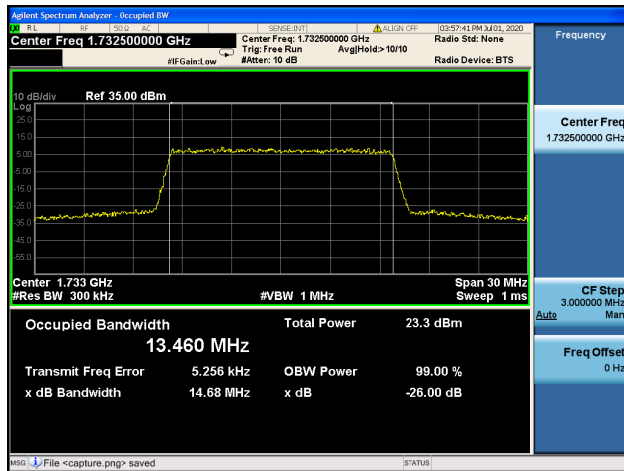
**Band4 / 15MHz / Low CH / 64QAM**



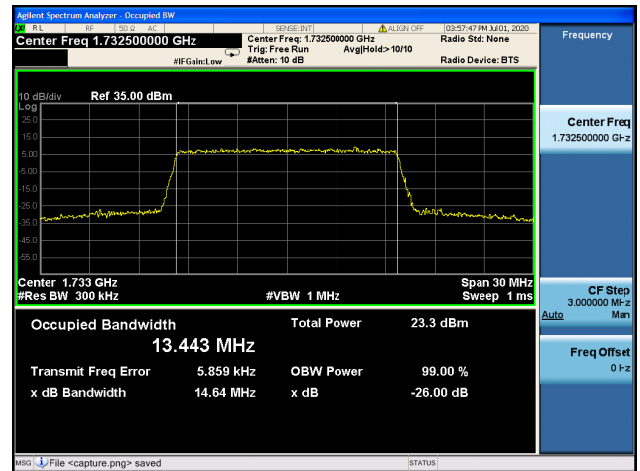
**Band4 / 15MHz / Mid CH / QPSK**



**Band4 / 15MHz / Mid CH / 16QAM**

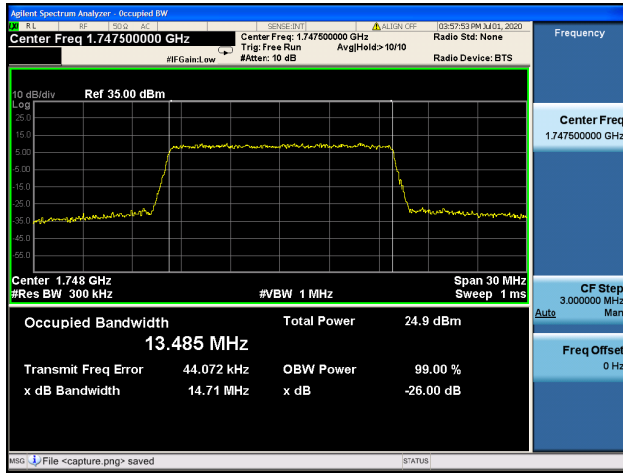


**Band4 / 15MHz / Mid CH / 64QAM**

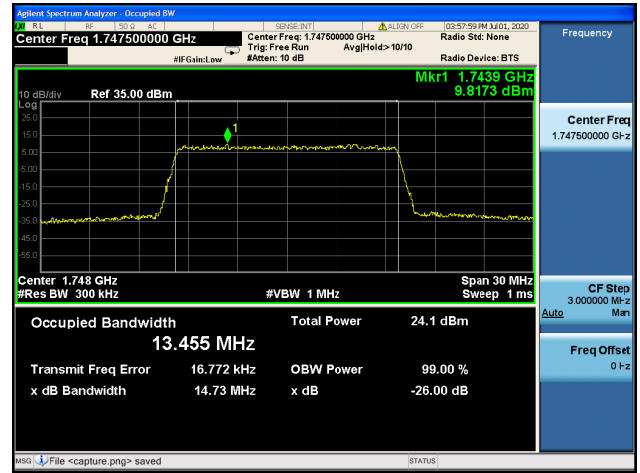




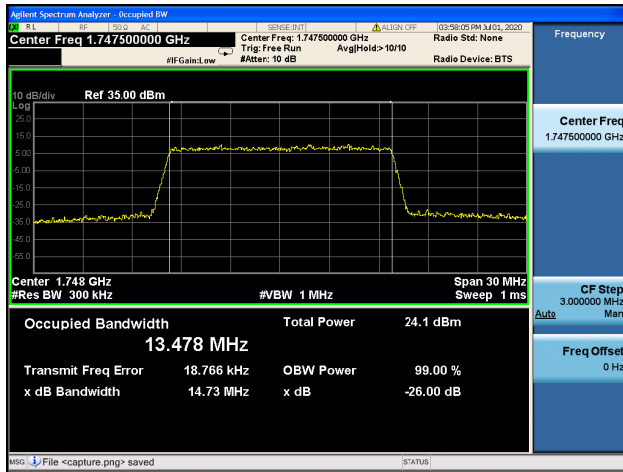
Band4 / 15MHz / High CH / QPSK



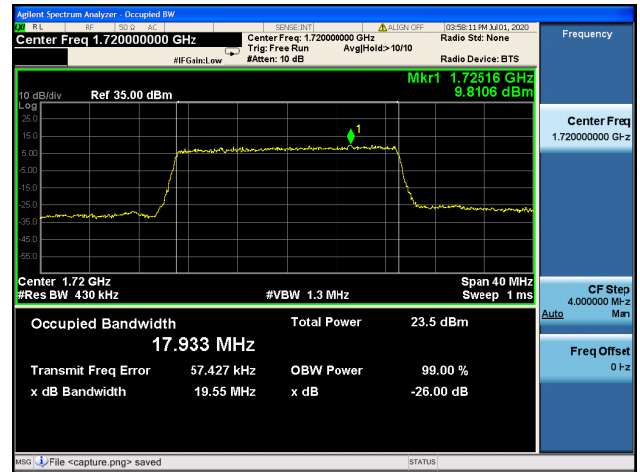
Band4 / 15MHz / High CH / 16QAM



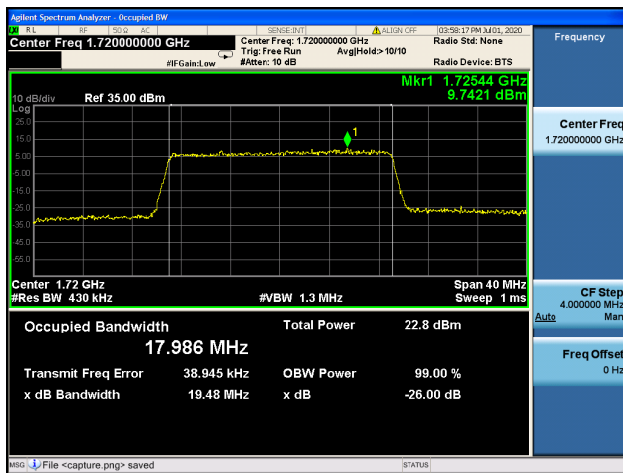
Band4 / 15MHz / High CH / 64QAM



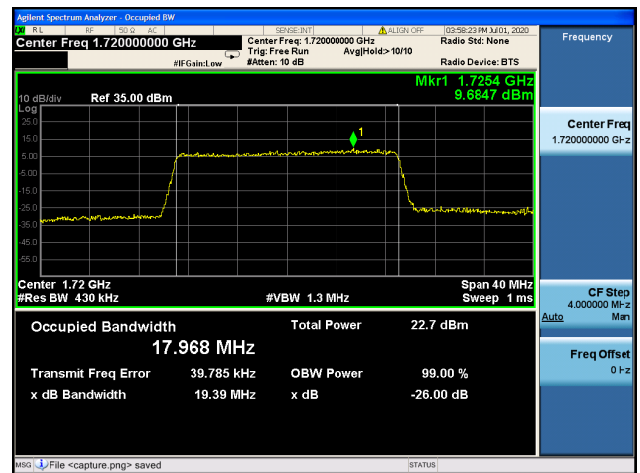
Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

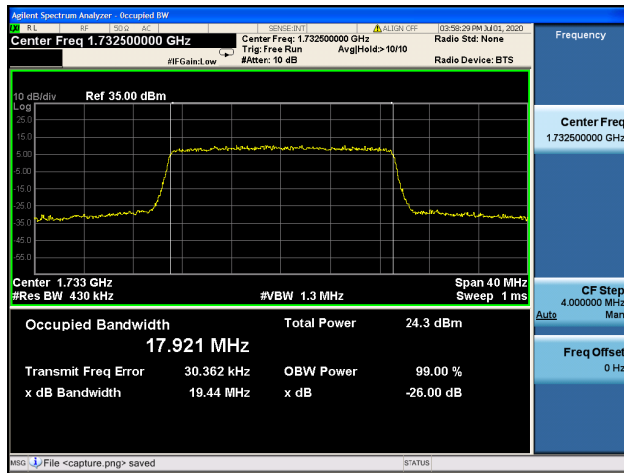


Band4 / 20MHz / Low CH / 64QAM

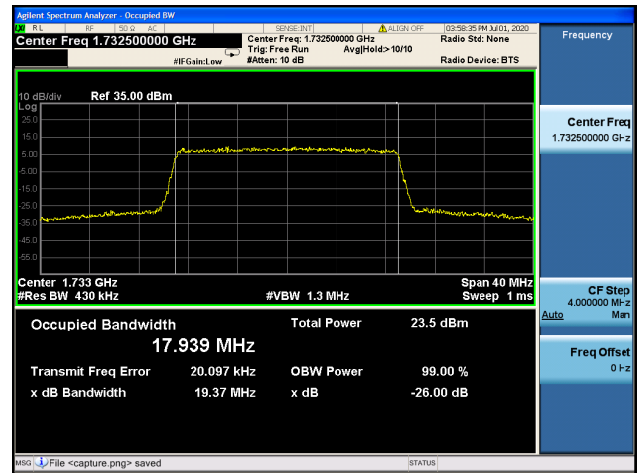




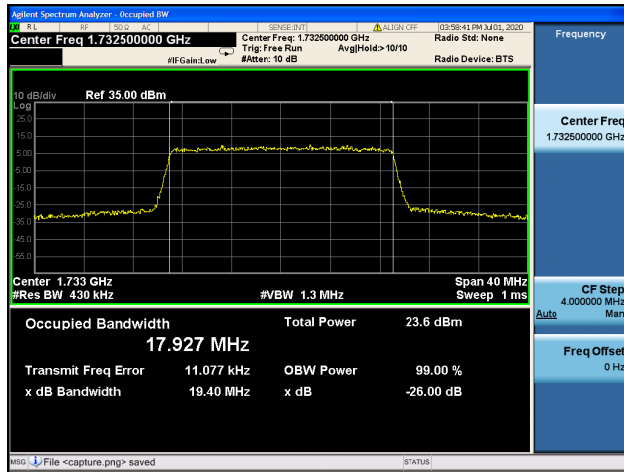
Band4 / 20MHz / Mid CH / QPSK



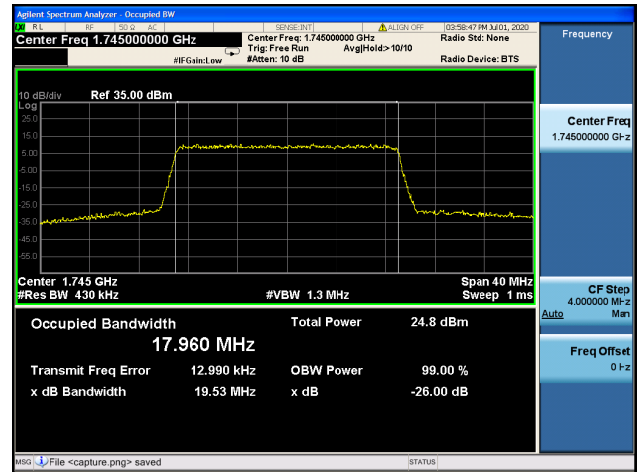
Band4 / 20MHz / Mid CH / 16QAM



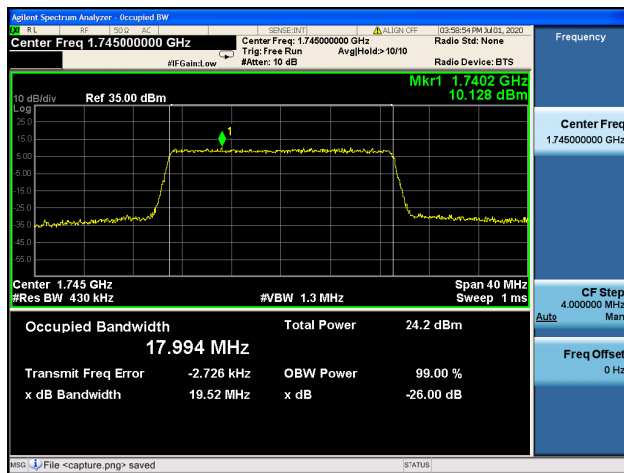
Band4 / 20MHz / Mid CH / 64QAM



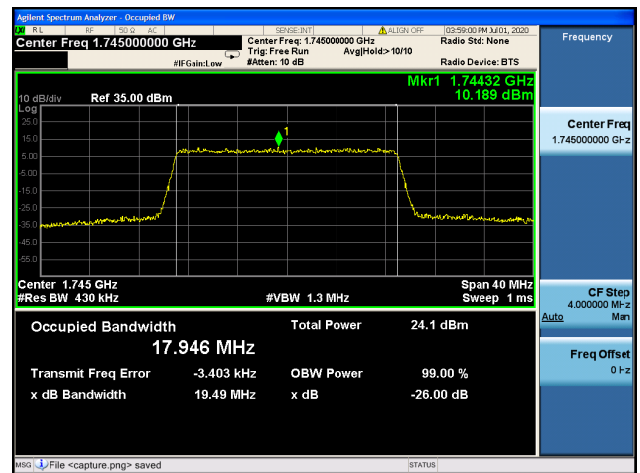
Band4 / 20MHz / High CH / QPSK

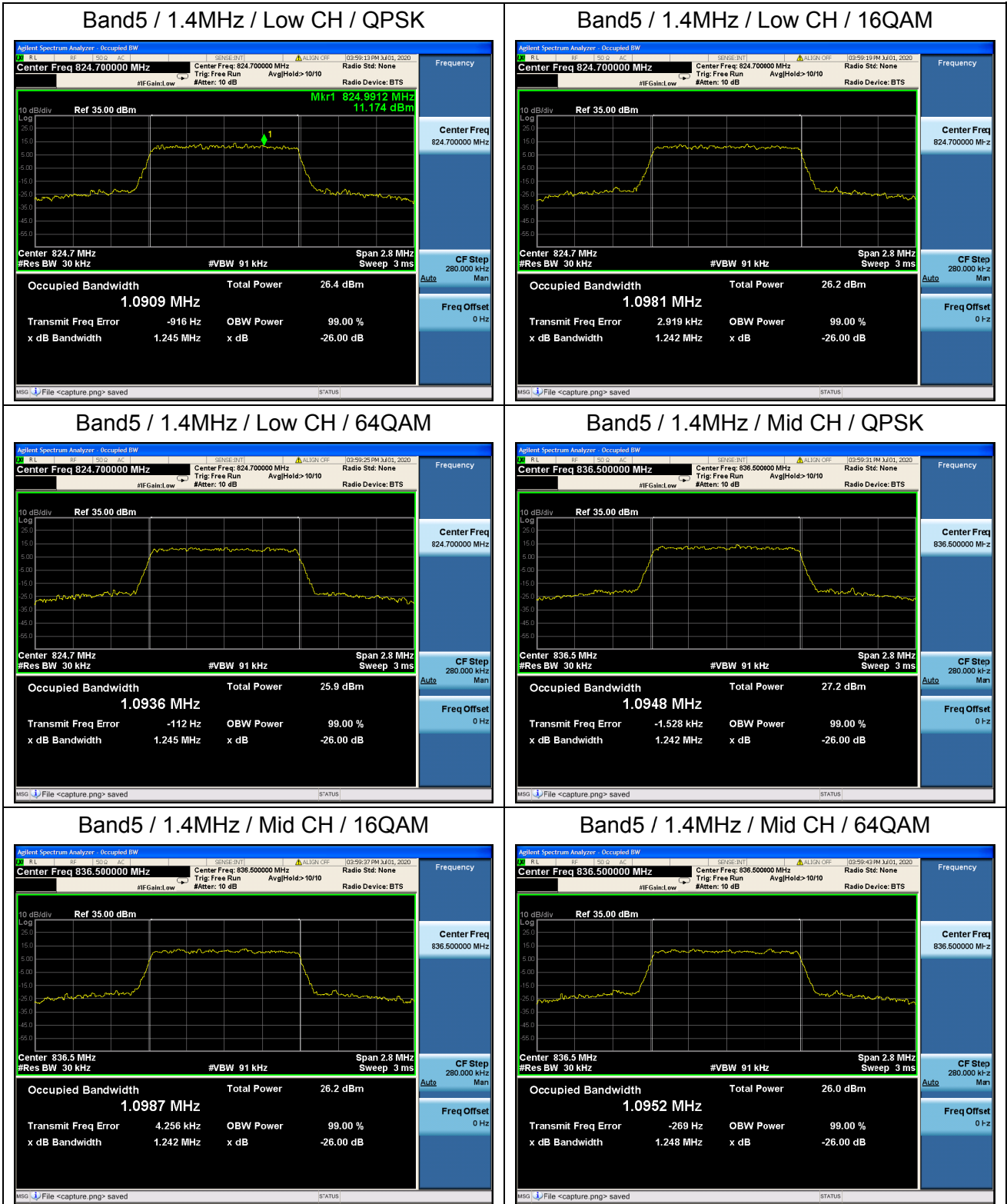


Band4 / 20MHz / High CH / 16QAM



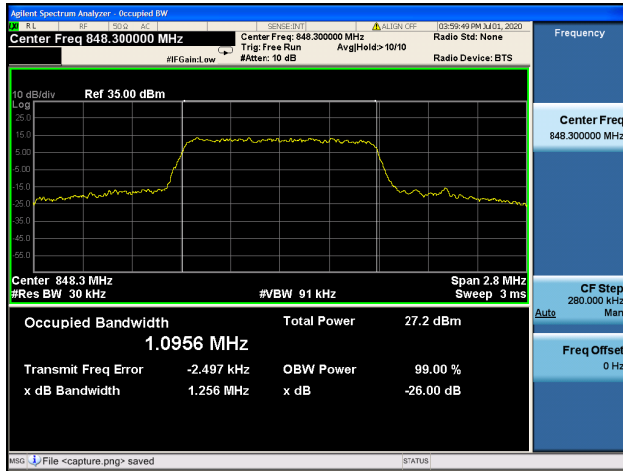
Band4 / 20MHz / High CH / 64QAM



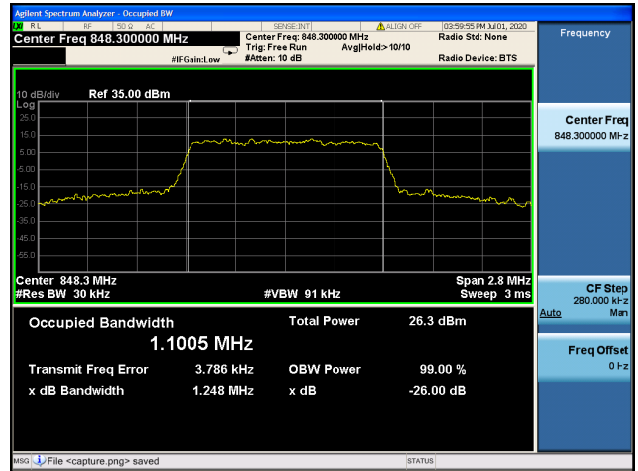




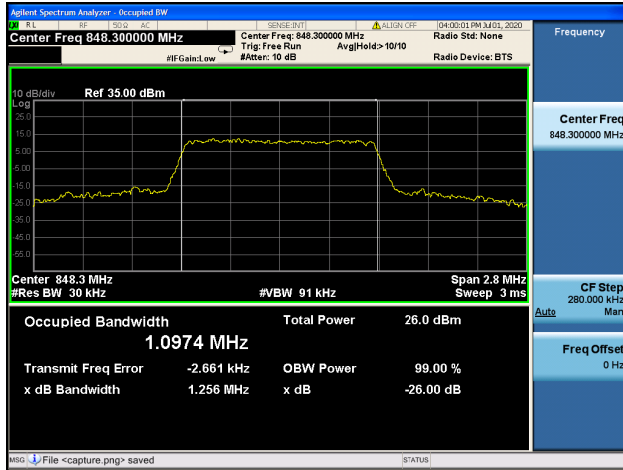
**Band5 / 1.4MHz / High CH / QPSK**



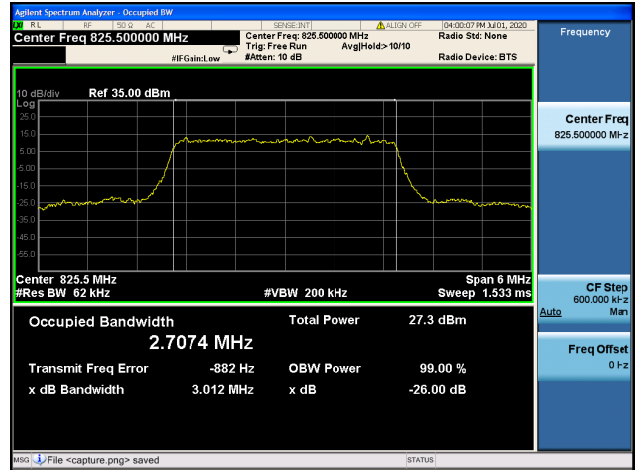
**Band5 / 1.4MHz / High CH / 16QAM**



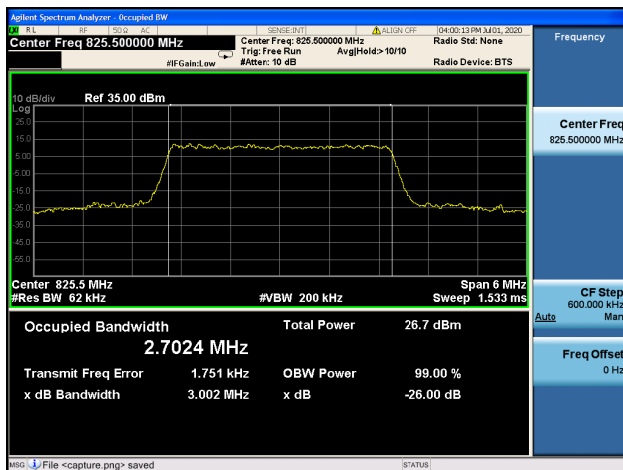
**Band5 / 1.4MHz / High CH / 64QAM**



**Band5 / 3MHz / Low CH / QPSK**



**Band5 / 3MHz / Low CH / 16QAM**



**Band5 / 3MHz / Low CH / 64QAM**

