



REPORT No.: SZ25060399W08

TEST REPORT

APPLICANT : Rhino Mobility LLC

PRODUCT NAME : Smartphone

MODEL NAME : C6-ROW

BRAND NAME : RHINO

FCC ID : 2AUOUC6-ROW

STANDARD(S) : 47 CFR Part 2
47 CFR Part 22, Subpart H
47 CFR Part 24, Subpart E
47 CFR Part 27, Subpart D&L&M

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Change History		
Version	Date	Reason for change
1.0	2025-08-20	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Rhino Mobility LLC
Applicant Address:	8 The Green, Suite A, Dover, Delaware,19901, USA
Manufacturer:	Rhino Mobility LLC
Manufacturer Address:	8 The Green, Suite A, Dover, Delaware,19901, USA

1.2. Equipment Under Test (EUT) Description

Product Name:	Smartphone	
Sample No.:	1#, 6#	
Hardware Version:	Q6010W_MB_V1.0	
Software Version:	C6W(001)_20250220	
Modulation Type:	QPSK, 16QAM, 64QAM	
Operation Band:	Band 2 / 4 / 5 / 7 / 18 / 38 / 40 / 41	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 18	Tx: 824MHz–830MHz
		Rx: 869MHz–875MHz
	LTE Band 38	Tx: 2570MHz–2620MHz
		Rx: 2570MHz–2620MHz
	LTE Band 40 Block A	Tx: 2305MHz–2315MHz
		Rx: 2305MHz–2315MHz
	LTE Band 40 Block B	Tx: 2350MHz–2360MHz
		Rx: 2350MHz–2360MHz
	LTE Band 41	Tx: 2496MHz–2690MHz
		Rx: 2496MHz–2690MHz



Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 18	5 MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 40	5 MHz, 10MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	1.93dBi
	LTE Band 4	0.66dBi
	LTE Band 5	-0.86dBi
	LTE Band 7	-0.42dBi
	LTE Band 18	-1.31dBi
	LTE Band 38	-1.92dBi
	LTE Band 40	0.19dBi
	LTE Band 41	-0.42dBi
Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	BPC6
	Serial No.:	N/A
	Capacity:	3950mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Phenix New Energy (Huizhou) Co., Ltd.
	AC Adapter 1	
	Brand Name:	RHINO
	Model No.:	PS18B120K1500EU
	Serial No.:	N/A
	Rated Output:	5.0V=3.0A, 9.0V=2.0A, 12.0V=1.5A,
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	Shenzhen Flypower Technology Co., Ltd.
	AC Adapter 2	
	Brand Name:	RHINO
	Model No.:	TPA-38F120150BU01
	Serial No.:	N/A



	Rated Output:	5.0V=3.0A, 9.0V=2.0A, 12.0V=1.5A,
	Rated Input:	100-240V~50/60Hz, 0.6A
	Manufacturer:	Shenzhen Tianyin Electronics Co., Ltd.
	USB Cable 1	
	Model No.:	USB TYPE A TO C 2.0 Cable 1.0m
	Manufacturer:	HUIZHOU WASHIN ELECTRONICS CO.,LTD.
	USB Cable 2	
	Model No.:	USB TYPE C to C 2.0 Cable (1.0m)
	Manufacturer:	HUIZHOU WASHIN ELECTRONICS CO.,LTD.

Note 1: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

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

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

LTE Band 2		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20		0.319	0.270	0.206	17M9G7D	17M9W7D	17M9W7D
15		0.317	0.265	0.202	13M5G7D	13M4W7D	13M4W7D
10		0.315	0.268	0.203	8M97G7D	8M94W7D	8M95W7D
5		0.313	0.269	0.204	4M49G7D	4M49W7D	4M50W7D
3		0.317	0.265	0.203	2M70G7D	2M70W7D	2M71W7D
1.4		0.313	0.269	0.205	1M10G7D	1M10W7D	1M10W7D
LTE Band 4		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20		0.247	0.215	0.167	17M9G7D	17M9W7D	17M9W7D
15		0.244	0.212	0.165	13M4G7D	13M4W7D	13M4W7D
10		0.242	0.214	0.166	8M97G7D	8M95W7D	8M96W7D
5		0.244	0.214	0.167	4M49G7D	4M49W7D	4M49W7D
3		0.244	0.214	0.166	2M70G7D	2M70W7D	2M71W7D
1.4		0.243	0.212	0.164	1M10G7D	1M10W7D	1M10W7D
LTE Band 5		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10		0.105	0.090	0.070	8M97G7D	8M95W7D	8M97W7D
5		0.104	0.089	0.069	4M49G7D	4M50W7D	4M49W7D
3		0.104	0.089	0.070	2M71G7D	2M71W7D	2M70W7D
1.4		0.104	0.090	0.070	1M10G7D	1M10W7D	1M10W7D
LTE Band 7		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20		0.188	0.154	0.122	17M9G7D	17M9W7D	17M9W7D
15		0.186	0.154	0.121	13M5G7D	13M4W7D	13M4W7D
10		0.186	0.153	0.121	8M97G7D	8M95W7D	8M96W7D
5		0.187	0.153	0.122	4M49G7D	4M49W7D	4M49W7D
LTE Band 18		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5		0.081	0.076	0.058	4M49G7D	4M49W7D	4M50W7D



LTE Band 38	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.143	0.115	0.092	17M9G7D	17M9W7D	17M9W7D
15	0.141	0.114	0.092	13M4G7D	13M4W7D	13M4W7D
10	0.142	0.114	0.092	8M97G7D	8M95W7D	8M95W7D
5	0.141	0.114	0.091	4M49G7D	4M49W7D	4M51W7D
LTE Band 40 Block A	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.243	0.195	0.156	8M94G7D	8M95W7D	8M93W7D
5	0.240	0.194	0.153	4M49G7D	4M49W7D	4M49W7D
LTE Band 40 Block B	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.239	0.195	0.155	8M96G7D	8M94W7D	8M97W7D
5	0.240	0.196	0.153	4M49G7D	4M50W7D	4M50W7D
LTE Band 41 (PC2)	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.342	0.279	0.224	17M9G7D	17M9W7D	17M9W7D
15	0.338	0.277	0.220	13M5G7D	13M4W7D	13M5W7D
10	0.340	0.276	0.220	8M95G7D	8M95W7D	8M97W7D
5	0.340	0.274	0.219	4M49G7D	4M49W7D	4M49W7D
LTE Band 41 (PC3)	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.182	0.148	0.115	17M9G7D	17M9W7D	17M9W7D
15	0.178	0.146	0.113	13M5G7D	13M4W7D	13M5W7D
10	0.179	0.148	0.114	8M95G7D	8M95W7D	8M97W7D
5	0.179	0.146	0.114	4M49G7D	4M49W7D	4M49W7D



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	Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(a)(3) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Aug. 06, 2025	Zheng Jianhua Liu Huiyan	PASS	/
2.1049	Occupied Bandwidth	Jul. 04&07, 2025	Liu Huiyan	PASS	/
2.1055 22.355 24.235 27.54	Frequency Stability	Jul. 04&07, 2025	Liu Huiyan	PASS	/
24.232(d), 27.50(d)(5)	Peak to Average Radio	Jul. 04&07, 2025	Liu Huiyan	PASS	/
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Jul. 04&07, 2025	Liu Huiyan	PASS	/
2.1051 22.917(a) 24.238(a) 27.53(a)(4)	Band Edge	Jul. 04&07, 2025	Liu Huiyan	PASS	/



27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(a)(4) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Jul. 21, 2025	Li Hanbin	PASS	/
Note 1: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016. Note 2: Any additions, deviation, or exclusions from the method shall be noted in the "Remark". Note 3: The antenna gain presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information.					

1.5. Environmental Conditions

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

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



2.47 CFR Part 2, Part 22H, Part 24E, Part 27 D&L&M Requirements

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

2.1.1. Requirement

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

According to FCC section 24.232 (c) for LTE Band 2, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

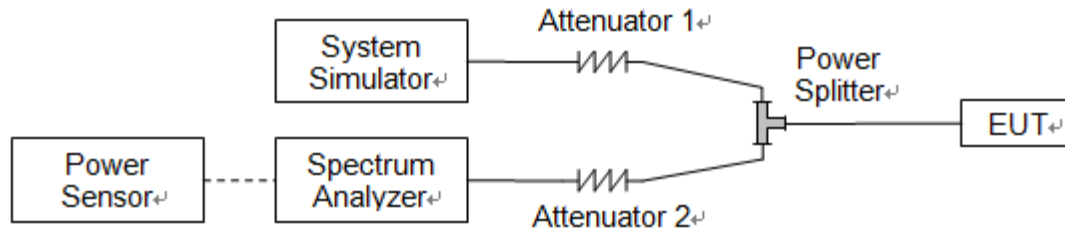
According to FCC section 27.50 (d)(4) for LTE Band 4, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

According to FCC section 22.913 (a)(2) for LTE Band 5/18, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for LTE Band 7/38/41, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 27.50 (a)(3) for LTE Band 40, For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average E.I.R.P. must not exceed 50 mill watts within any 1 megahertz of authorized bandwidth

2.1.2. Test Description



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

2.1.3. Test Procedure

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

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

E.R.P. (dBm) = E.I.R.P. (dBm) - 2.15

**2.1.4. Result****Conducted Output Power**

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.09	23.11	23.08
20	QPSK	1	49	23.00	23.05	23.03
20	QPSK	1	99	22.80	22.86	22.78
20	QPSK	50	0	22.22	22.25	22.22
20	QPSK	50	24	22.08	22.16	22.14
20	QPSK	50	50	22.03	22.05	22.01
20	QPSK	100	0	22.17	22.21	22.19
20	16QAM	1	0	22.35	22.38	22.37
20	16QAM	1	49	22.27	22.33	22.31
20	16QAM	1	99	21.96	22.06	22.01
20	16QAM	50	0	21.14	21.22	21.13
20	16QAM	50	24	21.11	21.13	21.07
20	16QAM	50	50	20.97	21.03	21.02
20	16QAM	100	0	21.05	21.14	21.04
20	64QAM	1	0	21.18	21.21	21.12
20	64QAM	1	49	21.11	21.16	21.09
20	64QAM	1	99	20.95	21.04	21.02
20	64QAM	50	0	20.24	20.25	20.22
20	64QAM	50	24	20.06	20.13	20.10
20	64QAM	50	50	19.93	20.03	19.96
20	64QAM	100	0	20.14	20.17	20.10



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.05	23.08	23.06
15	QPSK	1	37	22.92	23.03	23.00
15	QPSK	1	74	22.73	22.82	22.73
15	QPSK	36	0	22.19	22.23	22.21
15	QPSK	36	20	21.98	22.15	22.11
15	QPSK	36	39	22.01	21.95	21.93
15	QPSK	75	0	22.14	22.12	22.13
15	16QAM	1	0	22.31	22.30	22.31
15	16QAM	1	37	22.19	22.30	22.30
15	16QAM	1	74	21.94	21.99	21.94
15	16QAM	36	0	21.10	21.15	21.10
15	16QAM	36	20	21.06	21.05	21.03
15	16QAM	36	39	20.89	21.02	21.00
15	16QAM	75	0	21.03	21.06	21.03
15	64QAM	1	0	21.12	21.13	21.08
15	64QAM	1	37	21.01	21.13	21.06
15	64QAM	1	74	20.93	21.00	20.93
15	64QAM	36	0	20.19	20.20	20.16
15	64QAM	36	20	20.00	20.08	20.07
15	64QAM	36	39	19.92	19.94	19.88
15	64QAM	75	0	20.07	20.09	20.05



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.03	23.05	23.01
10	QPSK	1	25	22.90	23.04	23.02
10	QPSK	1	49	22.70	22.78	22.68
10	QPSK	25	0	22.14	22.18	22.14
10	QPSK	25	12	22.03	22.08	22.11
10	QPSK	25	25	21.94	22.03	21.90
10	QPSK	50	0	22.14	22.14	22.10
10	16QAM	1	0	22.28	22.35	22.29
10	16QAM	1	25	22.26	22.32	22.22
10	16QAM	1	49	21.87	21.97	21.91
10	16QAM	25	0	21.12	21.21	21.07
10	16QAM	25	12	21.10	21.11	21.04
10	16QAM	25	25	20.95	21.01	20.96
10	16QAM	50	0	20.95	21.08	21.01
10	64QAM	1	0	21.14	21.14	21.02
10	64QAM	1	25	21.06	21.07	21.04
10	64QAM	1	49	20.94	20.96	20.95
10	64QAM	25	0	20.23	20.18	20.13
10	64QAM	25	12	20.02	20.11	20.05
10	64QAM	25	25	19.90	19.95	19.95
10	64QAM	50	0	20.04	20.12	20.01



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.03	23.03	22.99
5	QPSK	1	12	22.90	23.00	22.94
5	QPSK	1	24	22.76	22.82	22.77
5	QPSK	12	0	22.18	22.22	22.20
5	QPSK	12	7	22.03	22.13	22.04
5	QPSK	12	13	22.02	22.03	21.97
5	QPSK	25	0	22.10	22.15	22.10
5	16QAM	1	0	22.30	22.31	22.36
5	16QAM	1	12	22.21	22.24	22.24
5	16QAM	1	24	21.87	22.00	21.96
5	16QAM	12	0	21.05	21.18	21.12
5	16QAM	12	7	21.09	21.12	21.06
5	16QAM	12	13	20.87	21.00	20.96
5	16QAM	25	0	20.99	21.05	21.00
5	64QAM	1	0	21.17	21.11	21.07
5	64QAM	1	12	21.02	21.10	21.06
5	64QAM	1	24	20.88	21.02	21.01
5	64QAM	12	0	20.21	20.15	20.20
5	64QAM	12	7	20.04	20.09	20.03
5	64QAM	12	13	19.87	19.98	19.94
5	64QAM	25	0	20.09	20.16	20.08



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.08	23.07	22.99
3	QPSK	1	8	22.97	22.98	23.00
3	QPSK	1	14	22.70	22.82	22.68
3	QPSK	8	0	22.20	22.21	22.16
3	QPSK	8	4	22.03	22.13	22.12
3	QPSK	8	7	22.02	21.95	21.95
3	QPSK	15	0	22.10	22.18	22.15
3	16QAM	1	0	22.26	22.31	22.29
3	16QAM	1	8	22.26	22.23	22.24
3	16QAM	1	14	21.93	21.99	21.96
3	16QAM	8	0	21.06	21.18	21.08
3	16QAM	8	4	21.09	21.10	21.01
3	16QAM	8	7	20.89	21.02	20.97
3	16QAM	15	0	21.01	21.06	20.96
3	64QAM	1	0	21.10	21.14	21.05
3	64QAM	1	8	21.03	21.13	21.07
3	64QAM	1	14	20.94	21.01	20.95
3	64QAM	8	0	20.15	20.24	20.14
3	64QAM	8	4	19.98	20.11	20.09
3	64QAM	8	7	19.85	19.96	19.87
3	64QAM	15	0	20.05	20.07	20.09



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.02	23.01	23.00
1.4	QPSK	1	3	22.92	22.98	23.00
1.4	QPSK	1	5	22.73	22.83	22.76
1.4	QPSK	3	0	22.94	23.00	22.98
1.4	QPSK	3	1	22.81	22.91	22.86
1.4	QPSK	3	3	22.73	22.84	22.78
1.4	QPSK	6	0	22.14	22.16	22.15
1.4	16QAM	1	0	22.32	22.36	22.32
1.4	16QAM	1	3	22.26	22.24	22.30
1.4	16QAM	1	5	21.90	21.98	21.95
1.4	16QAM	3	0	21.87	21.93	21.89
1.4	16QAM	3	1	21.89	21.83	21.79
1.4	16QAM	3	3	21.74	21.78	21.74
1.4	16QAM	6	0	21.02	21.10	20.99
1.4	64QAM	1	0	21.17	21.18	21.04
1.4	64QAM	1	3	21.05	21.10	21.00
1.4	64QAM	1	5	20.93	20.94	21.00
1.4	64QAM	3	0	20.99	21.02	21.01
1.4	64QAM	3	1	20.79	20.91	20.89
1.4	64QAM	3	3	20.71	20.77	20.71
1.4	64QAM	6	0	20.13	20.10	20.08



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	23.24	23.26	23.23
20	QPSK	1	49	23.13	23.17	23.12
20	QPSK	1	99	23.05	23.12	23.08
20	QPSK	50	0	22.20	22.28	22.27
20	QPSK	50	24	22.17	22.24	22.20
20	QPSK	50	50	22.19	22.26	22.21
20	QPSK	100	0	22.19	22.23	22.17
20	16QAM	1	0	22.62	22.66	22.61
20	16QAM	1	49	22.46	22.49	22.42
20	16QAM	1	99	22.58	22.59	22.57
20	16QAM	50	0	21.17	21.23	21.13
20	16QAM	50	24	21.28	21.29	21.25
20	16QAM	50	50	21.26	21.35	21.30
20	16QAM	100	0	21.23	21.28	21.18
20	64QAM	1	0	21.49	21.58	21.48
20	64QAM	1	49	21.45	21.48	21.39
20	64QAM	1	99	21.34	21.44	21.35
20	64QAM	50	0	20.19	20.26	20.24
20	64QAM	50	24	20.15	20.23	20.14
20	64QAM	50	50	20.24	20.25	20.15
20	64QAM	100	0	20.22	20.26	20.18



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	23.21	23.16	23.21
15	QPSK	1	37	23.05	23.09	23.08
15	QPSK	1	74	22.97	23.04	23.00
15	QPSK	36	0	22.12	22.19	22.18
15	QPSK	36	20	22.13	22.23	22.11
15	QPSK	36	39	22.16	22.20	22.13
15	QPSK	75	0	22.18	22.13	22.13
15	16QAM	1	0	22.61	22.57	22.53
15	16QAM	1	37	22.40	22.44	22.36
15	16QAM	1	74	22.51	22.55	22.56
15	16QAM	36	0	21.10	21.15	21.06
15	16QAM	36	20	21.19	21.22	21.22
15	16QAM	36	39	21.21	21.34	21.28
15	16QAM	75	0	21.20	21.21	21.08
15	64QAM	1	0	21.45	21.51	21.46
15	64QAM	1	37	21.44	21.42	21.36
15	64QAM	1	74	21.26	21.38	21.26
15	64QAM	36	0	20.13	20.24	20.19
15	64QAM	36	20	20.09	20.17	20.09
15	64QAM	36	39	20.16	20.17	20.06
15	64QAM	75	0	20.14	20.21	20.15



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.17	23.16	23.17
10	QPSK	1	25	23.10	23.12	23.07
10	QPSK	1	49	23.04	23.02	22.99
10	QPSK	25	0	22.19	22.19	22.22
10	QPSK	25	12	22.13	22.21	22.13
10	QPSK	25	25	22.17	22.24	22.11
10	QPSK	50	0	22.09	22.13	22.13
10	16QAM	1	0	22.52	22.65	22.58
10	16QAM	1	25	22.43	22.43	22.41
10	16QAM	1	49	22.57	22.49	22.47
10	16QAM	25	0	21.11	21.21	21.11
10	16QAM	25	12	21.19	21.19	21.18
10	16QAM	25	25	21.18	21.28	21.29
10	16QAM	50	0	21.17	21.19	21.15
10	64QAM	1	0	21.40	21.53	21.46
10	64QAM	1	25	21.44	21.41	21.35
10	64QAM	1	49	21.27	21.42	21.32
10	64QAM	25	0	20.12	20.20	20.20
10	64QAM	25	12	20.11	20.13	20.07
10	64QAM	25	25	20.21	20.23	20.05
10	64QAM	50	0	20.18	20.23	20.09



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.14	23.17	23.21
5	QPSK	1	12	23.04	23.15	23.07
5	QPSK	1	24	23.04	23.09	23.03
5	QPSK	12	0	22.15	22.23	22.24
5	QPSK	12	7	22.12	22.21	22.10
5	QPSK	12	13	22.13	22.23	22.20
5	QPSK	25	0	22.14	22.22	22.10
5	16QAM	1	0	22.58	22.65	22.54
5	16QAM	1	12	22.38	22.42	22.32
5	16QAM	1	24	22.51	22.56	22.55
5	16QAM	12	0	21.09	21.22	21.05
5	16QAM	12	7	21.21	21.25	21.23
5	16QAM	12	13	21.16	21.30	21.28
5	16QAM	25	0	21.21	21.26	21.12
5	64QAM	1	0	21.42	21.56	21.38
5	64QAM	1	12	21.37	21.47	21.33
5	64QAM	1	24	21.30	21.37	21.29
5	64QAM	12	0	20.09	20.23	20.22
5	64QAM	12	7	20.08	20.19	20.07
5	64QAM	12	13	20.19	20.19	20.06
5	64QAM	25	0	20.16	20.24	20.16



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	23.15	23.16	23.21
3	QPSK	1	8	23.12	23.15	23.07
3	QPSK	1	14	23.04	23.02	23.02
3	QPSK	8	0	22.10	22.20	22.20
3	QPSK	8	4	22.07	22.21	22.13
3	QPSK	8	7	22.09	22.17	22.11
3	QPSK	15	0	22.12	22.22	22.14
3	16QAM	1	0	22.58	22.65	22.52
3	16QAM	1	8	22.40	22.42	22.36
3	16QAM	1	14	22.48	22.53	22.56
3	16QAM	8	0	21.12	21.16	21.07
3	16QAM	8	4	21.27	21.22	21.16
3	16QAM	8	7	21.18	21.31	21.24
3	16QAM	15	0	21.21	21.25	21.17
3	64QAM	1	0	21.47	21.55	21.41
3	64QAM	1	8	21.44	21.45	21.31
3	64QAM	1	14	21.31	21.42	21.32
3	64QAM	8	0	20.18	20.25	20.17
3	64QAM	8	4	20.06	20.16	20.12
3	64QAM	8	7	20.16	20.21	20.05
3	64QAM	15	0	20.16	20.23	20.11



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	23.15	23.18	23.19
1.4	QPSK	1	3	23.10	23.07	23.03
1.4	QPSK	1	5	23.01	23.07	23.04
1.4	QPSK	3	0	22.91	23.07	23.05
1.4	QPSK	3	1	22.91	22.98	22.98
1.4	QPSK	3	3	22.95	22.99	22.94
1.4	QPSK	6	0	22.17	22.14	22.12
1.4	16QAM	1	0	22.58	22.61	22.59
1.4	16QAM	1	3	22.41	22.44	22.40
1.4	16QAM	1	5	22.52	22.57	22.50
1.4	16QAM	3	0	21.94	21.99	21.85
1.4	16QAM	3	1	21.98	22.00	21.97
1.4	16QAM	3	3	21.97	22.14	22.00
1.4	16QAM	6	0	21.13	21.24	21.17
1.4	64QAM	1	0	21.44	21.48	21.40
1.4	64QAM	1	3	21.44	21.38	21.31
1.4	64QAM	1	5	21.33	21.42	21.25
1.4	64QAM	3	0	20.92	21.01	20.95
1.4	64QAM	3	1	20.87	21.02	20.85
1.4	64QAM	3	3	21.01	21.01	20.93
1.4	64QAM	6	0	20.20	20.22	20.11



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.20	23.22	23.18
10	QPSK	1	25	23.16	23.17	23.10
10	QPSK	1	49	23.10	23.15	23.12
10	QPSK	25	0	22.18	22.26	22.25
10	QPSK	25	12	22.20	22.25	22.16
10	QPSK	25	25	22.21	22.22	22.19
10	QPSK	50	0	22.21	22.24	22.20
10	16QAM	1	0	22.47	22.57	22.48
10	16QAM	1	25	22.49	22.52	22.47
10	16QAM	1	49	22.49	22.55	22.51
10	16QAM	25	0	21.21	21.29	21.25
10	16QAM	25	12	21.18	21.25	21.15
10	16QAM	25	25	21.24	21.27	21.24
10	16QAM	50	0	21.14	21.24	21.23
10	64QAM	1	0	21.41	21.48	21.43
10	64QAM	1	25	21.38	21.44	21.36
10	64QAM	1	49	21.39	21.41	21.32
10	64QAM	25	0	20.27	20.29	20.25
10	64QAM	25	12	20.17	20.27	20.19
10	64QAM	25	25	20.18	20.25	20.15
10	64QAM	50	0	20.20	20.22	20.18



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.19	23.13	23.16
5	QPSK	1	12	23.15	23.12	23.00
5	QPSK	1	24	23.06	23.10	23.07
5	QPSK	12	0	22.12	22.20	22.23
5	QPSK	12	7	22.17	22.18	22.09
5	QPSK	12	13	22.17	22.13	22.09
5	QPSK	25	0	22.17	22.20	22.15
5	16QAM	1	0	22.45	22.50	22.41
5	16QAM	1	12	22.41	22.49	22.42
5	16QAM	1	24	22.45	22.47	22.49
5	16QAM	12	0	21.15	21.20	21.23
5	16QAM	12	7	21.14	21.20	21.10
5	16QAM	12	13	21.21	21.24	21.23
5	16QAM	25	0	21.04	21.16	21.13
5	64QAM	1	0	21.39	21.38	21.34
5	64QAM	1	12	21.29	21.35	21.35
5	64QAM	1	24	21.36	21.33	21.22
5	64QAM	12	0	20.22	20.19	20.16
5	64QAM	12	7	20.09	20.18	20.10
5	64QAM	12	13	20.16	20.18	20.07
5	64QAM	25	0	20.16	20.17	20.13



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.16	23.13	23.17
3	QPSK	1	8	23.09	23.16	23.01
3	QPSK	1	14	23.03	23.14	23.02
3	QPSK	8	0	22.14	22.21	22.22
3	QPSK	8	4	22.14	22.22	22.10
3	QPSK	8	7	22.20	22.12	22.11
3	QPSK	15	0	22.20	22.18	22.14
3	16QAM	1	0	22.41	22.47	22.41
3	16QAM	1	8	22.40	22.50	22.38
3	16QAM	1	14	22.44	22.48	22.47
3	16QAM	8	0	21.20	21.25	21.17
3	16QAM	8	4	21.14	21.20	21.14
3	16QAM	8	7	21.15	21.26	21.23
3	16QAM	15	0	21.13	21.18	21.22
3	64QAM	1	0	21.37	21.45	21.34
3	64QAM	1	8	21.30	21.40	21.35
3	64QAM	1	14	21.33	21.33	21.29
3	64QAM	8	0	20.17	20.23	20.16
3	64QAM	8	4	20.10	20.22	20.18
3	64QAM	8	7	20.15	20.20	20.13
3	64QAM	15	0	20.13	20.20	20.11



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.15	23.16	23.09
1.4	QPSK	1	3	23.09	23.13	23.07
1.4	QPSK	1	5	23.09	23.09	23.04
1.4	QPSK	3	0	22.95	22.98	23.01
1.4	QPSK	3	1	22.99	22.95	22.88
1.4	QPSK	3	3	22.94	22.97	22.91
1.4	QPSK	6	0	22.19	22.22	22.16
1.4	16QAM	1	0	22.43	22.55	22.38
1.4	16QAM	1	3	22.39	22.43	22.38
1.4	16QAM	1	5	22.47	22.49	22.45
1.4	16QAM	3	0	21.93	22.01	21.98
1.4	16QAM	3	1	21.88	21.95	21.90
1.4	16QAM	3	3	22.00	22.01	22.03
1.4	16QAM	6	0	21.09	21.20	21.18
1.4	64QAM	1	0	21.38	21.46	21.37
1.4	64QAM	1	3	21.32	21.41	21.34
1.4	64QAM	1	5	21.38	21.39	21.22
1.4	64QAM	3	0	21.04	21.06	21.00
1.4	64QAM	3	1	20.94	21.05	20.98
1.4	64QAM	3	3	20.94	21.00	20.92
1.4	64QAM	6	0	20.13	20.14	20.16



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	23.15	23.17	23.13
20	QPSK	1	49	23.03	23.13	23.10
20	QPSK	1	99	23.07	23.11	23.08
20	QPSK	50	0	22.19	22.22	22.19
20	QPSK	50	24	22.17	22.19	22.14
20	QPSK	50	50	22.10	22.17	22.15
20	QPSK	100	0	22.18	22.21	22.12
20	16QAM	1	0	22.21	22.30	22.22
20	16QAM	1	49	22.24	22.27	22.23
20	16QAM	1	99	22.23	22.26	22.22
20	16QAM	50	0	21.23	21.26	21.16
20	16QAM	50	24	21.19	21.24	21.15
20	16QAM	50	50	21.15	21.23	21.15
20	16QAM	100	0	21.18	21.25	21.23
20	64QAM	1	0	21.19	21.28	21.19
20	64QAM	1	49	21.20	21.24	21.14
20	64QAM	1	99	21.29	21.30	21.27
20	64QAM	50	0	20.26	20.33	20.29
20	64QAM	50	24	20.20	20.29	20.27
20	64QAM	50	50	20.25	20.30	20.24
20	64QAM	100	0	20.28	20.32	20.30



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	23.07	23.08	23.11
15	QPSK	1	37	22.95	23.09	23.09
15	QPSK	1	74	23.05	23.01	22.99
15	QPSK	36	0	22.18	22.21	22.16
15	QPSK	36	20	22.14	22.17	22.05
15	QPSK	36	39	22.04	22.15	22.11
15	QPSK	75	0	22.14	22.19	22.05
15	16QAM	1	0	22.13	22.29	22.21
15	16QAM	1	37	22.20	22.25	22.17
15	16QAM	1	74	22.14	22.24	22.21
15	16QAM	36	0	21.22	21.18	21.13
15	16QAM	36	20	21.16	21.19	21.09
15	16QAM	36	39	21.07	21.21	21.12
15	16QAM	75	0	21.17	21.18	21.13
15	64QAM	1	0	21.13	21.19	21.17
15	64QAM	1	37	21.16	21.22	21.09
15	64QAM	1	74	21.26	21.24	21.23
15	64QAM	36	0	20.18	20.32	20.22
15	64QAM	36	20	20.18	20.26	20.26
15	64QAM	36	39	20.18	20.24	20.22
15	64QAM	75	0	20.27	20.25	20.20



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	23.12	23.09	23.09
10	QPSK	1	25	22.97	23.03	23.04
10	QPSK	1	49	23.05	23.04	23.06
10	QPSK	25	0	22.13	22.16	22.16
10	QPSK	25	12	22.15	22.17	22.13
10	QPSK	25	25	22.04	22.11	22.13
10	QPSK	50	0	22.11	22.15	22.08
10	16QAM	1	0	22.12	22.25	22.14
10	16QAM	1	25	22.19	22.26	22.19
10	16QAM	1	49	22.17	22.20	22.12
10	16QAM	25	0	21.13	21.23	21.15
10	16QAM	25	12	21.09	21.14	21.12
10	16QAM	25	25	21.06	21.13	21.07
10	16QAM	50	0	21.11	21.15	21.13
10	64QAM	1	0	21.18	21.26	21.14
10	64QAM	1	25	21.18	21.18	21.09
10	64QAM	1	49	21.22	21.23	21.19
10	64QAM	25	0	20.19	20.23	20.20
10	64QAM	25	12	20.15	20.20	20.19
10	64QAM	25	25	20.23	20.29	20.22
10	64QAM	50	0	20.23	20.22	20.21



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	23.07	23.13	23.10
5	QPSK	1	12	22.94	23.09	23.03
5	QPSK	1	24	23.05	23.01	23.03
5	QPSK	12	0	22.09	22.17	22.16
5	QPSK	12	7	22.15	22.15	22.04
5	QPSK	12	13	22.02	22.13	22.08
5	QPSK	25	0	22.13	22.18	22.09
5	16QAM	1	0	22.20	22.28	22.16
5	16QAM	1	12	22.17	22.20	22.13
5	16QAM	1	24	22.19	22.18	22.20
5	16QAM	12	0	21.18	21.24	21.13
5	16QAM	12	7	21.17	21.19	21.13
5	16QAM	12	13	21.12	21.16	21.10
5	16QAM	25	0	21.17	21.16	21.16
5	64QAM	1	0	21.15	21.25	21.11
5	64QAM	1	12	21.10	21.22	21.12
5	64QAM	1	24	21.21	21.29	21.18
5	64QAM	12	0	20.20	20.24	20.26
5	64QAM	12	7	20.12	20.20	20.26
5	64QAM	12	13	20.20	20.20	20.14
5	64QAM	25	0	20.20	20.25	20.28



LTE Band 18						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23965	23970	23975
Frequency (MHz)				826.5	827	827.5
5	QPSK	1	0	22.19	22.50	22.57
5	QPSK	1	12	22.56	22.49	22.55
5	QPSK	1	24	22.39	22.42	22.35
5	QPSK	12	0	22.24	22.19	22.15
5	QPSK	12	7	22.13	22.10	22.12
5	QPSK	12	13	22.08	22.11	21.97
5	QPSK	25	0	22.10	22.05	22.11
5	16QAM	1	0	22.20	22.22	22.09
5	16QAM	1	12	22.14	22.17	22.16
5	16QAM	1	24	22.13	22.26	22.09
5	16QAM	12	0	21.18	21.16	21.16
5	16QAM	12	7	21.15	21.14	21.19
5	16QAM	12	13	21.14	21.12	21.01
5	16QAM	25	0	20.95	21.05	21.12
5	64QAM	1	0	21.01	20.82	20.78
5	64QAM	1	12	21.12	20.77	21.05
5	64QAM	1	24	20.92	20.90	20.73
5	64QAM	12	0	20.23	20.20	20.11
5	64QAM	12	7	20.13	20.11	20.22
5	64QAM	12	13	20.15	20.14	20.22
5	64QAM	25	0	20.14	20.07	20.17



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	23.44	23.47	23.46
20	QPSK	1	49	23.41	23.45	23.39
20	QPSK	1	99	23.36	23.42	23.38
20	QPSK	50	0	22.46	22.55	22.48
20	QPSK	50	24	22.44	22.48	22.41
20	QPSK	50	50	22.44	22.45	22.42
20	QPSK	100	0	22.41	22.50	22.40
20	16QAM	1	0	22.45	22.52	22.43
20	16QAM	1	49	22.39	22.49	22.41
20	16QAM	1	99	22.43	22.51	22.44
20	16QAM	50	0	21.59	21.60	21.52
20	16QAM	50	24	21.48	21.57	21.50
20	16QAM	50	50	21.49	21.55	21.53
20	16QAM	100	0	21.46	21.56	21.50
20	64QAM	1	0	21.56	21.58	21.48
20	64QAM	1	49	21.48	21.56	21.54
20	64QAM	1	99	21.46	21.54	21.46
20	64QAM	50	0	20.61	20.63	20.62
20	64QAM	50	24	20.50	20.58	20.55
20	64QAM	50	50	20.52	20.55	20.49
20	64QAM	100	0	20.58	20.60	20.58



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	23.35	23.39	23.37
15	QPSK	1	37	23.40	23.41	23.36
15	QPSK	1	74	23.26	23.32	23.28
15	QPSK	36	0	22.36	22.46	22.47
15	QPSK	36	20	22.36	22.41	22.33
15	QPSK	36	39	22.37	22.38	22.37
15	QPSK	75	0	22.35	22.41	22.35
15	16QAM	1	0	22.36	22.48	22.35
15	16QAM	1	37	22.37	22.42	22.40
15	16QAM	1	74	22.34	22.43	22.42
15	16QAM	36	0	21.52	21.55	21.43
15	16QAM	36	20	21.45	21.50	21.45
15	16QAM	36	39	21.40	21.47	21.48
15	16QAM	75	0	21.37	21.46	21.48
15	64QAM	1	0	21.51	21.57	21.44
15	64QAM	1	37	21.40	21.55	21.45
15	64QAM	1	74	21.42	21.44	21.39
15	64QAM	36	0	20.59	20.60	20.60
15	64QAM	36	20	20.42	20.53	20.49
15	64QAM	36	39	20.43	20.45	20.40
15	64QAM	75	0	20.53	20.59	20.53



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	23.37	23.37	23.43
10	QPSK	1	25	23.34	23.36	23.29
10	QPSK	1	49	23.29	23.39	23.30
10	QPSK	25	0	22.45	22.52	22.40
10	QPSK	25	12	22.42	22.44	22.32
10	QPSK	25	25	22.39	22.42	22.34
10	QPSK	50	0	22.31	22.48	22.36
10	16QAM	1	0	22.40	22.49	22.33
10	16QAM	1	25	22.30	22.41	22.40
10	16QAM	1	49	22.42	22.45	22.34
10	16QAM	25	0	21.51	21.57	21.49
10	16QAM	25	12	21.43	21.52	21.49
10	16QAM	25	25	21.41	21.54	21.47
10	16QAM	50	0	21.41	21.51	21.42
10	64QAM	1	0	21.54	21.48	21.45
10	64QAM	1	25	21.39	21.49	21.49
10	64QAM	1	49	21.42	21.53	21.45
10	64QAM	25	0	20.57	20.62	20.52
10	64QAM	25	12	20.43	20.51	20.51
10	64QAM	25	25	20.44	20.54	20.48
10	64QAM	50	0	20.54	20.50	20.49



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	23.41	23.40	23.36
5	QPSK	1	12	23.35	23.36	23.30
5	QPSK	1	24	23.26	23.34	23.29
5	QPSK	12	0	22.37	22.49	22.39
5	QPSK	12	7	22.37	22.43	22.32
5	QPSK	12	13	22.41	22.39	22.34
5	QPSK	25	0	22.33	22.49	22.36
5	16QAM	1	0	22.43	22.50	22.41
5	16QAM	1	12	22.37	22.43	22.37
5	16QAM	1	24	22.41	22.43	22.42
5	16QAM	12	0	21.55	21.55	21.49
5	16QAM	12	7	21.43	21.50	21.46
5	16QAM	12	13	21.42	21.49	21.51
5	16QAM	25	0	21.39	21.55	21.41
5	64QAM	1	0	21.46	21.49	21.42
5	64QAM	1	12	21.44	21.48	21.51
5	64QAM	1	24	21.37	21.50	21.45
5	64QAM	12	0	20.59	20.53	20.61
5	64QAM	12	7	20.41	20.54	20.50
5	64QAM	12	13	20.51	20.46	20.41
5	64QAM	25	0	20.54	20.50	20.53



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	38750	/
Frequency (MHz)				/	2310	/
10	QPSK	1	0	/	23.66	/
10	QPSK	1	25	/	23.61	/
10	QPSK	1	49	/	23.62	/
10	QPSK	25	0	/	22.73	/
10	QPSK	25	12	/	22.63	/
10	QPSK	25	25	/	22.70	/
10	QPSK	50	0	/	22.71	/
10	16QAM	1	0	/	22.71	/
10	16QAM	1	25	/	22.69	/
10	16QAM	1	49	/	22.70	/
10	16QAM	25	0	/	21.81	/
10	16QAM	25	12	/	21.76	/
10	16QAM	25	25	/	21.78	/
10	16QAM	50	0	/	21.78	/
10	64QAM	1	0	/	21.74	/
10	64QAM	1	25	/	21.70	/
10	64QAM	1	49	/	21.69	/
10	64QAM	25	0	/	20.68	/
10	64QAM	25	12	/	20.66	/
10	64QAM	25	25	/	20.66	/
10	64QAM	50	0	/	20.64	/



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				38725	38750	38775
Frequency (MHz)				2307.5	2310	2312.5
5	QPSK	1	0	23.53	23.57	23.55
5	QPSK	1	12	23.54	23.45	23.55
5	QPSK	1	24	23.55	23.61	23.58
5	QPSK	12	0	22.67	22.59	22.61
5	QPSK	12	7	22.61	22.59	22.58
5	QPSK	12	13	22.65	22.61	22.65
5	QPSK	25	0	22.69	22.60	22.66
5	16QAM	1	0	22.61	22.61	22.68
5	16QAM	1	12	22.61	22.61	22.67
5	16QAM	1	24	22.65	22.64	22.60
5	16QAM	12	0	21.72	21.78	21.71
5	16QAM	12	7	21.64	21.62	21.75
5	16QAM	12	13	21.65	21.68	21.68
5	16QAM	25	0	21.68	21.64	21.70
5	64QAM	1	0	21.65	21.63	21.66
5	64QAM	1	12	21.62	21.60	21.63
5	64QAM	1	24	21.57	21.58	21.63
5	64QAM	12	0	20.68	20.67	20.68
5	64QAM	12	7	20.66	20.57	20.67
5	64QAM	12	13	20.55	20.60	20.59
5	64QAM	25	0	20.67	20.59	20.64



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	39200	/
Frequency (MHz)				/	2355	/
10	QPSK	1	0	/	23.60	/
10	QPSK	1	25	/	23.56	/
10	QPSK	1	49	/	23.57	/
10	QPSK	25	0	/	22.69	/
10	QPSK	25	12	/	22.66	/
10	QPSK	25	25	/	22.63	/
10	QPSK	50	0	/	22.65	/
10	16QAM	1	0	/	22.70	/
10	16QAM	1	25	/	22.72	/
10	16QAM	1	49	/	22.60	/
10	16QAM	25	0	/	21.71	/
10	16QAM	25	12	/	21.73	/
10	16QAM	25	25	/	21.67	/
10	16QAM	50	0	/	21.67	/
10	64QAM	1	0	/	21.61	/
10	64QAM	1	25	/	21.71	/
10	64QAM	1	49	/	21.60	/
10	64QAM	25	0	/	20.65	/
10	64QAM	25	12	/	20.68	/
10	64QAM	25	25	/	20.64	/
10	64QAM	50	0	/	20.67	/



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39175	39200	39225
Frequency (MHz)				2352.5	2355	2357.5
5	QPSK	1	0	23.59	23.59	23.61
5	QPSK	1	12	23.55	23.54	23.52
5	QPSK	1	24	23.52	23.54	23.56
5	QPSK	12	0	22.67	22.64	22.57
5	QPSK	12	7	22.57	22.59	22.52
5	QPSK	12	13	22.59	22.64	22.72
5	QPSK	25	0	22.66	22.62	22.66
5	16QAM	1	0	22.66	22.59	22.74
5	16QAM	1	12	22.67	22.64	22.64
5	16QAM	1	24	22.69	22.70	22.59
5	16QAM	12	0	21.67	21.82	21.71
5	16QAM	12	7	21.71	21.65	21.69
5	16QAM	12	13	21.70	21.64	21.70
5	16QAM	25	0	21.75	21.70	21.70
5	64QAM	1	0	21.66	21.67	21.65
5	64QAM	1	12	21.64	21.59	21.67
5	64QAM	1	24	21.55	21.64	21.55
5	64QAM	12	0	20.64	20.64	20.69
5	64QAM	12	7	20.59	20.66	20.67
5	64QAM	12	13	20.59	20.63	20.60
5	64QAM	25	0	20.64	20.58	20.59



LTE Band 41 (Power Class 2)						
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	25.67	25.76	25.46
20	QPSK	1	49	25.70	25.75	25.45
20	QPSK	1	99	25.64	25.73	25.40
20	QPSK	50	0	24.74	24.77	24.56
20	QPSK	50	24	24.67	24.67	24.57
20	QPSK	50	50	24.67	24.73	24.42
20	QPSK	100	0	24.63	24.76	24.47
20	16QAM	1	0	24.77	24.87	24.56
20	16QAM	1	49	24.65	24.84	24.58
20	16QAM	1	99	24.76	24.79	24.48
20	16QAM	50	0	23.65	23.74	23.46
20	16QAM	50	24	23.67	23.76	23.45
20	16QAM	50	50	23.67	23.76	23.38
20	16QAM	100	0	23.68	23.77	23.53
20	64QAM	1	0	23.81	23.92	23.58
20	64QAM	1	49	23.75	23.84	23.58
20	64QAM	1	99	23.66	23.86	23.46
20	64QAM	50	0	22.69	22.78	22.55
20	64QAM	50	24	22.67	22.73	22.42
20	64QAM	50	50	22.67	22.74	22.52
20	64QAM	100	0	22.69	22.75	22.36



LTE Band 41 (Power Class 2)						
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	25.59	25.67	25.45
15	QPSK	1	37	25.60	25.71	25.36
15	QPSK	1	74	25.57	25.67	25.36
15	QPSK	36	0	24.65	24.70	24.48
15	QPSK	36	20	24.60	24.62	24.48
15	QPSK	36	39	24.57	24.70	24.34
15	QPSK	75	0	24.61	24.74	24.45
15	16QAM	1	0	24.76	24.84	24.52
15	16QAM	1	37	24.63	24.78	24.49
15	16QAM	1	74	24.73	24.71	24.39
15	16QAM	36	0	23.56	23.69	23.43
15	16QAM	36	20	23.60	23.69	23.44
15	16QAM	36	39	23.66	23.66	23.33
15	16QAM	75	0	23.67	23.76	23.51
15	64QAM	1	0	23.72	23.84	23.52
15	64QAM	1	37	23.73	23.79	23.57
15	64QAM	1	74	23.63	23.84	23.40
15	64QAM	36	0	22.68	22.75	22.48
15	64QAM	36	20	22.64	22.66	22.35
15	64QAM	36	39	22.61	22.70	22.47
15	64QAM	75	0	22.60	22.70	22.27



LTE Band 41 (Power Class 2)						
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	25.58	25.70	25.39
10	QPSK	1	25	25.61	25.73	25.40
10	QPSK	1	49	25.58	25.67	25.33
10	QPSK	25	0	24.70	24.71	24.47
10	QPSK	25	12	24.65	24.62	24.49
10	QPSK	25	25	24.63	24.71	24.40
10	QPSK	50	0	24.56	24.66	24.44
10	16QAM	1	0	24.75	24.83	24.52
10	16QAM	1	25	24.59	24.77	24.51
10	16QAM	1	49	24.73	24.74	24.45
10	16QAM	25	0	23.55	23.64	23.41
10	16QAM	25	12	23.66	23.67	23.39
10	16QAM	25	25	23.64	23.66	23.33
10	16QAM	50	0	23.60	23.68	23.48
10	64QAM	1	0	23.79	23.84	23.53
10	64QAM	1	25	23.74	23.83	23.57
10	64QAM	1	49	23.57	23.83	23.44
10	64QAM	25	0	22.67	22.70	22.45
10	64QAM	25	12	22.61	22.72	22.37
10	64QAM	25	25	22.65	22.70	22.48
10	64QAM	50	0	22.62	22.67	22.35



LTE Band 41 (Power Class 2)						
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	25.58	25.74	25.37
5	QPSK	1	12	25.60	25.70	25.37
5	QPSK	1	24	25.60	25.69	25.38
5	QPSK	12	0	24.71	24.71	24.48
5	QPSK	12	7	24.64	24.62	24.56
5	QPSK	12	13	24.64	24.63	24.38
5	QPSK	25	0	24.57	24.68	24.46
5	16QAM	1	0	24.69	24.78	24.50
5	16QAM	1	12	24.61	24.79	24.56
5	16QAM	1	24	24.71	24.76	24.45
5	16QAM	12	0	23.56	23.64	23.44
5	16QAM	12	7	23.60	23.67	23.42
5	16QAM	12	13	23.62	23.66	23.33
5	16QAM	25	0	23.61	23.73	23.47
5	64QAM	1	0	23.73	23.83	23.56
5	64QAM	1	12	23.70	23.80	23.48
5	64QAM	1	24	23.59	23.80	23.37
5	64QAM	12	0	22.62	22.72	22.52
5	64QAM	12	7	22.59	22.67	22.38
5	64QAM	12	13	22.65	22.69	22.50
5	64QAM	25	0	22.62	22.74	22.31



LTE Band 41 (Power Class 3)						
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	22.86	23.01	22.80
20	QPSK	1	49	22.72	22.89	22.78
20	QPSK	1	99	22.73	22.96	22.70
20	QPSK	50	0	21.99	22.12	21.82
20	QPSK	50	24	21.98	22.05	21.84
20	QPSK	50	50	21.90	22.03	21.88
20	QPSK	100	0	21.79	21.94	21.84
20	16QAM	1	0	21.87	22.13	21.91
20	16QAM	1	49	21.95	22.05	21.88
20	16QAM	1	99	21.88	22.08	21.93
20	16QAM	50	0	20.74	20.93	20.77
20	16QAM	50	24	20.72	20.89	20.71
20	16QAM	50	50	20.73	20.91	20.71
20	16QAM	100	0	20.70	20.88	20.76
20	64QAM	1	0	20.88	21.00	20.86
20	64QAM	1	49	20.87	21.02	20.84
20	64QAM	1	99	20.84	21.02	20.77
20	64QAM	50	0	19.80	19.99	19.79
20	64QAM	50	24	19.84	19.96	19.79
20	64QAM	50	50	19.73	19.98	19.73
20	64QAM	100	0	19.76	19.88	19.76



LTE Band 41 (Power Class 3)						
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	22.79	22.93	22.73
15	QPSK	1	37	22.66	22.79	22.77
15	QPSK	1	74	22.66	22.91	22.65
15	QPSK	36	0	21.80	21.95	21.79
15	QPSK	36	20	21.83	21.87	21.81
15	QPSK	36	39	21.89	22.01	21.82
15	QPSK	75	0	21.74	21.86	21.81
15	16QAM	1	0	21.86	22.03	21.87
15	16QAM	1	37	21.89	21.99	21.85
15	16QAM	1	74	21.84	22.07	21.90
15	16QAM	36	0	20.71	20.91	20.68
15	16QAM	36	20	20.64	20.88	20.61
15	16QAM	36	39	20.69	20.90	20.61
15	16QAM	75	0	20.65	20.86	20.74
15	64QAM	1	0	20.85	20.92	20.81
15	64QAM	1	37	20.81	20.96	20.77
15	64QAM	1	74	20.81	20.93	20.75
15	64QAM	36	0	19.76	19.89	19.77
15	64QAM	36	20	19.76	19.87	19.78
15	64QAM	36	39	19.68	19.91	19.66
15	64QAM	75	0	19.71	19.85	19.73



LTE Band 41 (Power Class 3)						
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	22.76	22.94	22.79
10	QPSK	1	25	22.65	22.87	22.75
10	QPSK	1	49	22.66	22.88	22.66
10	QPSK	25	0	21.85	22.00	21.72
10	QPSK	25	12	21.82	21.86	21.76
10	QPSK	25	25	21.89	21.97	21.81
10	QPSK	50	0	21.77	21.92	21.81
10	16QAM	1	0	21.83	22.11	21.81
10	16QAM	1	25	21.88	21.98	21.82
10	16QAM	1	49	21.81	21.98	21.83
10	16QAM	25	0	20.71	20.92	20.73
10	16QAM	25	12	20.71	20.84	20.68
10	16QAM	25	25	20.66	20.84	20.64
10	16QAM	50	0	20.63	20.86	20.71
10	64QAM	1	0	20.87	20.93	20.81
10	64QAM	1	25	20.83	20.97	20.80
10	64QAM	1	49	20.77	20.96	20.67
10	64QAM	25	0	19.76	19.98	19.71
10	64QAM	25	12	19.76	19.95	19.73
10	64QAM	25	25	19.67	19.94	19.63
10	64QAM	50	0	19.69	19.80	19.68



LTE Band 41 (Power Class 3)						
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	22.84	22.96	22.71
5	QPSK	1	12	22.68	22.80	22.73
5	QPSK	1	24	22.71	22.93	22.60
5	QPSK	12	0	21.86	22.01	21.79
5	QPSK	12	7	21.83	21.87	21.74
5	QPSK	12	13	21.87	22.01	21.85
5	QPSK	25	0	21.77	21.88	21.76
5	16QAM	1	0	21.84	22.05	21.86
5	16QAM	1	12	21.87	22.01	21.81
5	16QAM	1	24	21.85	22.04	21.86
5	16QAM	12	0	20.68	20.90	20.68
5	16QAM	12	7	20.71	20.88	20.70
5	16QAM	12	13	20.65	20.81	20.62
5	16QAM	25	0	20.64	20.82	20.73
5	64QAM	1	0	20.86	20.90	20.81
5	64QAM	1	12	20.80	20.94	20.76
5	64QAM	1	24	20.75	20.99	20.73
5	64QAM	12	0	19.76	19.95	19.78
5	64QAM	12	7	19.80	19.94	19.74
5	64QAM	12	13	19.68	19.95	19.67
5	64QAM	25	0	19.67	19.85	19.75

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

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	25.02	0.318	25.04	0.319	25.01	0.317
20	QPSK	1	49	24.93	0.311	24.98	0.315	24.96	0.313
20	QPSK	1	99	24.73	0.297	24.79	0.301	24.71	0.296
20	QPSK	50	0	24.15	0.260	24.18	0.262	24.15	0.260
20	QPSK	50	24	24.01	0.252	24.09	0.256	24.07	0.255
20	QPSK	50	50	23.96	0.249	23.98	0.250	23.94	0.248
20	QPSK	100	0	24.10	0.257	24.14	0.259	24.12	0.258
20	16QAM	1	0	24.28	0.268	24.31	0.270	24.30	0.269
20	16QAM	1	49	24.20	0.263	24.26	0.267	24.24	0.265
20	16QAM	1	99	23.89	0.245	23.99	0.251	23.94	0.248
20	16QAM	50	0	23.07	0.203	23.15	0.207	23.06	0.202
20	16QAM	50	24	23.04	0.201	23.06	0.202	23.00	0.200
20	16QAM	50	50	22.90	0.195	22.96	0.198	22.95	0.197
20	16QAM	100	0	22.98	0.199	23.07	0.203	22.97	0.198
20	64QAM	1	0	23.11	0.205	23.14	0.206	23.05	0.202
20	64QAM	1	49	23.04	0.201	23.09	0.204	23.02	0.200
20	64QAM	1	99	22.88	0.194	22.97	0.198	22.95	0.197
20	64QAM	50	0	22.17	0.165	22.18	0.165	22.15	0.164
20	64QAM	50	24	21.99	0.158	22.06	0.161	22.03	0.160
20	64QAM	50	50	21.86	0.153	21.96	0.157	21.89	0.155
20	64QAM	100	0	22.07	0.161	22.10	0.162	22.03	0.160



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.98	0.315	25.01	0.317	24.99	0.316
15	QPSK	1	37	24.85	0.305	24.96	0.313	24.93	0.311
15	QPSK	1	74	24.66	0.292	24.75	0.299	24.66	0.292
15	QPSK	36	0	24.12	0.258	24.16	0.261	24.14	0.259
15	QPSK	36	20	23.91	0.246	24.08	0.256	24.04	0.254
15	QPSK	36	39	23.94	0.248	23.88	0.244	23.86	0.243
15	QPSK	75	0	24.07	0.255	24.05	0.254	24.06	0.255
15	16QAM	1	0	24.24	0.265	24.23	0.265	24.24	0.265
15	16QAM	1	37	24.12	0.258	24.23	0.265	24.23	0.265
15	16QAM	1	74	23.87	0.244	23.92	0.247	23.87	0.244
15	16QAM	36	0	23.03	0.201	23.08	0.203	23.03	0.201
15	16QAM	36	20	22.99	0.199	22.98	0.199	22.96	0.198
15	16QAM	36	39	22.82	0.191	22.95	0.197	22.93	0.196
15	16QAM	75	0	22.96	0.198	22.99	0.199	22.96	0.198
15	64QAM	1	0	23.05	0.202	23.06	0.202	23.01	0.200
15	64QAM	1	37	22.94	0.197	23.06	0.202	22.99	0.199
15	64QAM	1	74	22.86	0.193	22.93	0.196	22.86	0.193
15	64QAM	36	0	22.12	0.163	22.13	0.163	22.09	0.162
15	64QAM	36	20	21.93	0.156	22.01	0.159	22.00	0.158
15	64QAM	36	39	21.85	0.153	21.87	0.154	21.81	0.152
15	64QAM	75	0	22.00	0.158	22.02	0.159	21.98	0.158



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.96	0.313	24.98	0.315	24.94	0.312
10	QPSK	1	25	24.83	0.304	24.97	0.314	24.95	0.313
10	QPSK	1	49	24.63	0.290	24.71	0.296	24.61	0.289
10	QPSK	25	0	24.07	0.255	24.11	0.258	24.07	0.255
10	QPSK	25	12	23.96	0.249	24.01	0.252	24.04	0.254
10	QPSK	25	25	23.87	0.244	23.96	0.249	23.83	0.242
10	QPSK	50	0	24.07	0.255	24.07	0.255	24.03	0.253
10	16QAM	1	0	24.21	0.264	24.28	0.268	24.22	0.264
10	16QAM	1	25	24.19	0.262	24.25	0.266	24.15	0.260
10	16QAM	1	49	23.80	0.240	23.90	0.245	23.84	0.242
10	16QAM	25	0	23.05	0.202	23.14	0.206	23.00	0.200
10	16QAM	25	12	23.03	0.201	23.04	0.201	22.97	0.198
10	16QAM	25	25	22.88	0.194	22.94	0.197	22.89	0.195
10	16QAM	50	0	22.88	0.194	23.01	0.200	22.94	0.197
10	64QAM	1	0	23.07	0.203	23.07	0.203	22.95	0.197
10	64QAM	1	25	22.99	0.199	23.00	0.200	22.97	0.198
10	64QAM	1	49	22.87	0.194	22.89	0.195	22.88	0.194
10	64QAM	25	0	22.16	0.164	22.11	0.163	22.06	0.161
10	64QAM	25	12	21.95	0.157	22.04	0.160	21.98	0.158
10	64QAM	25	25	21.83	0.152	21.88	0.154	21.88	0.154
10	64QAM	50	0	21.97	0.157	22.05	0.160	21.94	0.156



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.96	0.313	24.96	0.313	24.92	0.310
5	QPSK	1	12	24.83	0.304	24.93	0.311	24.87	0.307
5	QPSK	1	24	24.69	0.294	24.75	0.299	24.70	0.295
5	QPSK	12	0	24.11	0.258	24.15	0.260	24.13	0.259
5	QPSK	12	7	23.96	0.249	24.06	0.255	23.97	0.249
5	QPSK	12	13	23.95	0.248	23.96	0.249	23.90	0.245
5	QPSK	25	0	24.03	0.253	24.08	0.256	24.03	0.253
5	16QAM	1	0	24.23	0.265	24.24	0.265	24.29	0.269
5	16QAM	1	12	24.14	0.259	24.17	0.261	24.17	0.261
5	16QAM	1	24	23.80	0.240	23.93	0.247	23.89	0.245
5	16QAM	12	0	22.98	0.199	23.11	0.205	23.05	0.202
5	16QAM	12	7	23.02	0.200	23.05	0.202	22.99	0.199
5	16QAM	12	13	22.80	0.191	22.93	0.196	22.89	0.195
5	16QAM	25	0	22.92	0.196	22.98	0.199	22.93	0.196
5	64QAM	1	0	23.10	0.204	23.04	0.201	23.00	0.200
5	64QAM	1	12	22.95	0.197	23.03	0.201	22.99	0.199
5	64QAM	1	24	22.81	0.191	22.95	0.197	22.94	0.197
5	64QAM	12	0	22.14	0.164	22.08	0.161	22.13	0.163
5	64QAM	12	7	21.97	0.157	22.02	0.159	21.96	0.157
5	64QAM	12	13	21.80	0.151	21.91	0.155	21.87	0.154
5	64QAM	25	0	22.02	0.159	22.09	0.162	22.01	0.159



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	25.01	0.317	25.00	0.316	24.92	0.310
3	QPSK	1	8	24.90	0.309	24.91	0.310	24.93	0.311
3	QPSK	1	14	24.63	0.290	24.75	0.299	24.61	0.289
3	QPSK	8	0	24.13	0.259	24.14	0.259	24.09	0.256
3	QPSK	8	4	23.96	0.249	24.06	0.255	24.05	0.254
3	QPSK	8	7	23.95	0.248	23.88	0.244	23.88	0.244
3	QPSK	15	0	24.03	0.253	24.11	0.258	24.08	0.256
3	16QAM	1	0	24.19	0.262	24.24	0.265	24.22	0.264
3	16QAM	1	8	24.19	0.262	24.16	0.261	24.17	0.261
3	16QAM	1	14	23.86	0.243	23.92	0.247	23.89	0.245
3	16QAM	8	0	22.99	0.199	23.11	0.205	23.01	0.200
3	16QAM	8	4	23.02	0.200	23.03	0.201	22.94	0.197
3	16QAM	8	7	22.82	0.191	22.95	0.197	22.90	0.195
3	16QAM	15	0	22.94	0.197	22.99	0.199	22.89	0.195
3	64QAM	1	0	23.03	0.201	23.07	0.203	22.98	0.199
3	64QAM	1	8	22.96	0.198	23.06	0.202	23.00	0.200
3	64QAM	1	14	22.87	0.194	22.94	0.197	22.88	0.194
3	64QAM	8	0	22.08	0.161	22.17	0.165	22.07	0.161
3	64QAM	8	4	21.91	0.155	22.04	0.160	22.02	0.159
3	64QAM	8	7	21.78	0.151	21.89	0.155	21.80	0.151
3	64QAM	15	0	21.98	0.158	22.00	0.158	22.02	0.159



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.95	0.313	24.94	0.312	24.93	0.311
1.4	QPSK	1	3	24.85	0.305	24.91	0.310	24.93	0.311
1.4	QPSK	1	5	24.66	0.292	24.76	0.299	24.69	0.294
1.4	QPSK	3	0	24.87	0.307	24.93	0.311	24.91	0.310
1.4	QPSK	3	1	24.74	0.298	24.84	0.305	24.79	0.301
1.4	QPSK	3	3	24.66	0.292	24.77	0.300	24.71	0.296
1.4	QPSK	6	0	24.07	0.255	24.09	0.256	24.08	0.256
1.4	16QAM	1	0	24.25	0.266	24.29	0.269	24.25	0.266
1.4	16QAM	1	3	24.19	0.262	24.17	0.261	24.23	0.265
1.4	16QAM	1	5	23.83	0.242	23.91	0.246	23.88	0.244
1.4	16QAM	3	0	23.80	0.240	23.86	0.243	23.82	0.241
1.4	16QAM	3	1	23.82	0.241	23.76	0.238	23.72	0.236
1.4	16QAM	3	3	23.67	0.233	23.71	0.235	23.67	0.233
1.4	16QAM	6	0	22.95	0.197	23.03	0.201	22.92	0.196
1.4	64QAM	1	0	23.10	0.204	23.11	0.205	22.97	0.198
1.4	64QAM	1	3	22.98	0.199	23.03	0.201	22.93	0.196
1.4	64QAM	1	5	22.86	0.193	22.87	0.194	22.93	0.196
1.4	64QAM	3	0	22.92	0.196	22.95	0.197	22.94	0.197
1.4	64QAM	3	1	22.72	0.187	22.84	0.192	22.82	0.191
1.4	64QAM	3	3	22.64	0.184	22.70	0.186	22.64	0.184
1.4	64QAM	6	0	22.06	0.161	22.03	0.160	22.01	0.159



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.90	0.245	23.92	0.247	23.89	0.245
20	QPSK	1	49	23.79	0.239	23.83	0.242	23.78	0.239
20	QPSK	1	99	23.71	0.235	23.78	0.239	23.74	0.237
20	QPSK	50	0	22.86	0.193	22.94	0.197	22.93	0.196
20	QPSK	50	24	22.83	0.192	22.90	0.195	22.86	0.193
20	QPSK	50	50	22.85	0.193	22.92	0.196	22.87	0.194
20	QPSK	100	0	22.85	0.193	22.89	0.195	22.83	0.192
20	16QAM	1	0	23.28	0.213	23.32	0.215	23.27	0.212
20	16QAM	1	49	23.12	0.205	23.15	0.207	23.08	0.203
20	16QAM	1	99	23.24	0.211	23.25	0.211	23.23	0.210
20	16QAM	50	0	21.83	0.152	21.89	0.155	21.79	0.151
20	16QAM	50	24	21.94	0.156	21.95	0.157	21.91	0.155
20	16QAM	50	50	21.92	0.156	22.01	0.159	21.96	0.157
20	16QAM	100	0	21.89	0.155	21.94	0.156	21.84	0.153
20	64QAM	1	0	22.15	0.164	22.24	0.167	22.14	0.164
20	64QAM	1	49	22.11	0.163	22.14	0.164	22.05	0.160
20	64QAM	1	99	22.00	0.158	22.10	0.162	22.01	0.159
20	64QAM	50	0	20.85	0.122	20.92	0.124	20.90	0.123
20	64QAM	50	24	20.81	0.121	20.89	0.123	20.80	0.120
20	64QAM	50	50	20.90	0.123	20.91	0.123	20.81	0.121
20	64QAM	100	0	20.88	0.122	20.92	0.124	20.84	0.121



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.87	0.244	23.82	0.241	23.87	0.244
15	QPSK	1	37	23.71	0.235	23.75	0.237	23.74	0.237
15	QPSK	1	74	23.63	0.231	23.70	0.234	23.66	0.232
15	QPSK	36	0	22.78	0.190	22.85	0.193	22.84	0.192
15	QPSK	36	20	22.79	0.190	22.89	0.195	22.77	0.189
15	QPSK	36	39	22.82	0.191	22.86	0.193	22.79	0.190
15	QPSK	75	0	22.84	0.192	22.79	0.190	22.79	0.190
15	16QAM	1	0	23.27	0.212	23.23	0.210	23.19	0.208
15	16QAM	1	37	23.06	0.202	23.10	0.204	23.02	0.200
15	16QAM	1	74	23.17	0.207	23.21	0.209	23.22	0.210
15	16QAM	36	0	21.76	0.150	21.81	0.152	21.72	0.149
15	16QAM	36	20	21.85	0.153	21.88	0.154	21.88	0.154
15	16QAM	36	39	21.87	0.154	22.00	0.158	21.94	0.156
15	16QAM	75	0	21.86	0.153	21.87	0.154	21.74	0.149
15	64QAM	1	0	22.11	0.163	22.17	0.165	22.12	0.163
15	64QAM	1	37	22.10	0.162	22.08	0.161	22.02	0.159
15	64QAM	1	74	21.92	0.156	22.04	0.160	21.92	0.156
15	64QAM	36	0	20.79	0.120	20.90	0.123	20.85	0.122
15	64QAM	36	20	20.75	0.119	20.83	0.121	20.75	0.119
15	64QAM	36	39	20.82	0.121	20.83	0.121	20.72	0.118
15	64QAM	75	0	20.80	0.120	20.87	0.122	20.81	0.121



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.83	0.242	23.82	0.241	23.83	0.242
10	QPSK	1	25	23.76	0.238	23.78	0.239	23.73	0.236
10	QPSK	1	49	23.70	0.234	23.68	0.233	23.65	0.232
10	QPSK	25	0	22.85	0.193	22.85	0.193	22.88	0.194
10	QPSK	25	12	22.79	0.190	22.87	0.194	22.79	0.190
10	QPSK	25	25	22.83	0.192	22.90	0.195	22.77	0.189
10	QPSK	50	0	22.75	0.188	22.79	0.190	22.79	0.190
10	16QAM	1	0	23.18	0.208	23.31	0.214	23.24	0.211
10	16QAM	1	25	23.09	0.204	23.09	0.204	23.07	0.203
10	16QAM	1	49	23.23	0.210	23.15	0.207	23.13	0.206
10	16QAM	25	0	21.77	0.150	21.87	0.154	21.77	0.150
10	16QAM	25	12	21.85	0.153	21.85	0.153	21.84	0.153
10	16QAM	25	25	21.84	0.153	21.94	0.156	21.95	0.157
10	16QAM	50	0	21.83	0.152	21.85	0.153	21.81	0.152
10	64QAM	1	0	22.06	0.161	22.19	0.166	22.12	0.163
10	64QAM	1	25	22.10	0.162	22.07	0.161	22.01	0.159
10	64QAM	1	49	21.93	0.156	22.08	0.161	21.98	0.158
10	64QAM	25	0	20.78	0.120	20.86	0.122	20.86	0.122
10	64QAM	25	12	20.77	0.119	20.79	0.120	20.73	0.118
10	64QAM	25	25	20.87	0.122	20.89	0.123	20.71	0.118
10	64QAM	50	0	20.84	0.121	20.89	0.123	20.75	0.119



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.80	0.240	23.83	0.242	23.87	0.244
5	QPSK	1	12	23.70	0.234	23.81	0.240	23.73	0.236
5	QPSK	1	24	23.70	0.234	23.75	0.237	23.69	0.234
5	QPSK	12	0	22.81	0.191	22.89	0.195	22.90	0.195
5	QPSK	12	7	22.78	0.190	22.87	0.194	22.76	0.189
5	QPSK	12	13	22.79	0.190	22.89	0.195	22.86	0.193
5	QPSK	25	0	22.80	0.191	22.88	0.194	22.76	0.189
5	16QAM	1	0	23.24	0.211	23.31	0.214	23.20	0.209
5	16QAM	1	12	23.04	0.201	23.08	0.203	22.98	0.199
5	16QAM	1	24	23.17	0.207	23.22	0.210	23.21	0.209
5	16QAM	12	0	21.75	0.150	21.88	0.154	21.71	0.148
5	16QAM	12	7	21.87	0.154	21.91	0.155	21.89	0.155
5	16QAM	12	13	21.82	0.152	21.96	0.157	21.94	0.156
5	16QAM	25	0	21.87	0.154	21.92	0.156	21.78	0.151
5	64QAM	1	0	22.08	0.161	22.22	0.167	22.04	0.160
5	64QAM	1	12	22.03	0.160	22.13	0.163	21.99	0.158
5	64QAM	1	24	21.96	0.157	22.03	0.160	21.95	0.157
5	64QAM	12	0	20.75	0.119	20.89	0.123	20.88	0.122
5	64QAM	12	7	20.74	0.119	20.85	0.122	20.73	0.118
5	64QAM	12	13	20.85	0.122	20.85	0.122	20.72	0.118
5	64QAM	25	0	20.82	0.121	20.90	0.123	20.82	0.121



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	23.81	0.240	23.82	0.241	23.87	0.244
3	QPSK	1	8	23.78	0.239	23.81	0.240	23.73	0.236
3	QPSK	1	14	23.70	0.234	23.68	0.233	23.68	0.233
3	QPSK	8	0	22.76	0.189	22.86	0.193	22.86	0.193
3	QPSK	8	4	22.73	0.187	22.87	0.194	22.79	0.190
3	QPSK	8	7	22.75	0.188	22.83	0.192	22.77	0.189
3	QPSK	15	0	22.78	0.190	22.88	0.194	22.80	0.191
3	16QAM	1	0	23.24	0.211	23.31	0.214	23.18	0.208
3	16QAM	1	8	23.06	0.202	23.08	0.203	23.02	0.200
3	16QAM	1	14	23.14	0.206	23.19	0.208	23.22	0.210
3	16QAM	8	0	21.78	0.151	21.82	0.152	21.73	0.149
3	16QAM	8	4	21.93	0.156	21.88	0.154	21.82	0.152
3	16QAM	8	7	21.84	0.153	21.97	0.157	21.90	0.155
3	16QAM	15	0	21.87	0.154	21.91	0.155	21.83	0.152
3	64QAM	1	0	22.13	0.163	22.21	0.166	22.07	0.161
3	64QAM	1	8	22.10	0.162	22.11	0.163	21.97	0.157
3	64QAM	1	14	21.97	0.157	22.08	0.161	21.98	0.158
3	64QAM	8	0	20.84	0.121	20.91	0.123	20.83	0.121
3	64QAM	8	4	20.72	0.118	20.82	0.121	20.78	0.120
3	64QAM	8	7	20.82	0.121	20.87	0.122	20.71	0.118
3	64QAM	15	0	20.82	0.121	20.89	0.123	20.77	0.119



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.81	0.240	23.84	0.242	23.85	0.243
1.4	QPSK	1	3	23.76	0.238	23.73	0.236	23.69	0.234
1.4	QPSK	1	5	23.67	0.233	23.73	0.236	23.70	0.234
1.4	QPSK	3	0	23.57	0.228	23.73	0.236	23.71	0.235
1.4	QPSK	3	1	23.57	0.228	23.64	0.231	23.64	0.231
1.4	QPSK	3	3	23.61	0.230	23.65	0.232	23.60	0.229
1.4	QPSK	6	0	22.83	0.192	22.80	0.191	22.78	0.190
1.4	16QAM	1	0	23.24	0.211	23.27	0.212	23.25	0.211
1.4	16QAM	1	3	23.07	0.203	23.10	0.204	23.06	0.202
1.4	16QAM	1	5	23.18	0.208	23.23	0.210	23.16	0.207
1.4	16QAM	3	0	22.60	0.182	22.65	0.184	22.51	0.178
1.4	16QAM	3	1	22.64	0.184	22.66	0.185	22.63	0.183
1.4	16QAM	3	3	22.63	0.183	22.80	0.191	22.66	0.185
1.4	16QAM	6	0	21.79	0.151	21.90	0.155	21.83	0.152
1.4	64QAM	1	0	22.10	0.162	22.14	0.164	22.06	0.161
1.4	64QAM	1	3	22.10	0.162	22.04	0.160	21.97	0.157
1.4	64QAM	1	5	21.99	0.158	22.08	0.161	21.91	0.155
1.4	64QAM	3	0	21.58	0.144	21.67	0.147	21.61	0.145
1.4	64QAM	3	1	21.53	0.142	21.68	0.147	21.51	0.142
1.4	64QAM	3	3	21.67	0.147	21.67	0.147	21.59	0.144
1.4	64QAM	6	0	20.86	0.122	20.88	0.122	20.77	0.119



LTE Band 5				Measured E.R.P.					
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	20.19	0.104	20.21	0.105	20.17	0.104
10	QPSK	1	25	20.15	0.104	20.16	0.104	20.09	0.102
10	QPSK	1	49	20.09	0.102	20.14	0.103	20.11	0.103
10	QPSK	25	0	19.17	0.083	19.25	0.084	19.24	0.084
10	QPSK	25	12	19.19	0.083	19.24	0.084	19.15	0.082
10	QPSK	25	25	19.20	0.083	19.21	0.083	19.18	0.083
10	QPSK	50	0	19.20	0.083	19.23	0.084	19.19	0.083
10	16QAM	1	0	19.46	0.088	19.56	0.090	19.47	0.089
10	16QAM	1	25	19.48	0.089	19.51	0.089	19.46	0.088
10	16QAM	1	49	19.48	0.089	19.54	0.090	19.50	0.089
10	16QAM	25	0	18.20	0.066	18.28	0.067	18.24	0.067
10	16QAM	25	12	18.17	0.066	18.24	0.067	18.14	0.065
10	16QAM	25	25	18.23	0.067	18.26	0.067	18.23	0.067
10	16QAM	50	0	18.13	0.065	18.23	0.067	18.22	0.066
10	64QAM	1	0	18.40	0.069	18.47	0.070	18.42	0.070
10	64QAM	1	25	18.37	0.069	18.43	0.070	18.35	0.068
10	64QAM	1	49	18.38	0.069	18.40	0.069	18.31	0.068
10	64QAM	25	0	17.26	0.053	17.28	0.053	17.24	0.053
10	64QAM	25	12	17.16	0.052	17.26	0.053	17.18	0.052
10	64QAM	25	25	17.17	0.052	17.24	0.053	17.14	0.052
10	64QAM	50	0	17.19	0.052	17.21	0.053	17.17	0.052



LTE Band 5				Measured E.R.P.					
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	20.18	0.104	20.12	0.103	20.15	0.104
5	QPSK	1	12	20.14	0.103	20.11	0.103	19.99	0.100
5	QPSK	1	24	20.05	0.101	20.09	0.102	20.06	0.101
5	QPSK	12	0	19.11	0.081	19.19	0.083	19.22	0.084
5	QPSK	12	7	19.16	0.082	19.17	0.083	19.08	0.081
5	QPSK	12	13	19.16	0.082	19.12	0.082	19.08	0.081
5	QPSK	25	0	19.16	0.082	19.19	0.083	19.14	0.082
5	16QAM	1	0	19.44	0.088	19.49	0.089	19.40	0.087
5	16QAM	1	12	19.40	0.087	19.48	0.089	19.41	0.087
5	16QAM	1	24	19.44	0.088	19.46	0.088	19.48	0.089
5	16QAM	12	0	18.14	0.065	18.19	0.066	18.22	0.066
5	16QAM	12	7	18.13	0.065	18.19	0.066	18.09	0.064
5	16QAM	12	13	18.20	0.066	18.23	0.067	18.22	0.066
5	16QAM	25	0	18.03	0.064	18.15	0.065	18.12	0.065
5	64QAM	1	0	18.38	0.069	18.37	0.069	18.33	0.068
5	64QAM	1	12	18.28	0.067	18.34	0.068	18.34	0.068
5	64QAM	1	24	18.35	0.068	18.32	0.068	18.21	0.066
5	64QAM	12	0	17.21	0.053	17.18	0.052	17.15	0.052
5	64QAM	12	7	17.08	0.051	17.17	0.052	17.09	0.051
5	64QAM	12	13	17.15	0.052	17.17	0.052	17.06	0.051
5	64QAM	25	0	17.15	0.052	17.16	0.052	17.12	0.052



LTE Band 5				Measured E.R.P.					
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	20.15	0.104	20.12	0.103	20.16	0.104
3	QPSK	1	8	20.08	0.102	20.15	0.104	20.00	0.100
3	QPSK	1	14	20.02	0.100	20.13	0.103	20.01	0.100
3	QPSK	8	0	19.13	0.082	19.20	0.083	19.21	0.083
3	QPSK	8	4	19.13	0.082	19.21	0.083	19.09	0.081
3	QPSK	8	7	19.19	0.083	19.11	0.081	19.10	0.081
3	QPSK	15	0	19.19	0.083	19.17	0.083	19.13	0.082
3	16QAM	1	0	19.40	0.087	19.46	0.088	19.40	0.087
3	16QAM	1	8	19.39	0.087	19.49	0.089	19.37	0.086
3	16QAM	1	14	19.43	0.088	19.47	0.089	19.46	0.088
3	16QAM	8	0	18.19	0.066	18.24	0.067	18.16	0.065
3	16QAM	8	4	18.13	0.065	18.19	0.066	18.13	0.065
3	16QAM	8	7	18.14	0.065	18.25	0.067	18.22	0.066
3	16QAM	15	0	18.12	0.065	18.17	0.066	18.21	0.066
3	64QAM	1	0	18.36	0.069	18.44	0.070	18.33	0.068
3	64QAM	1	8	18.29	0.067	18.39	0.069	18.34	0.068
3	64QAM	1	14	18.32	0.068	18.32	0.068	18.28	0.067
3	64QAM	8	0	17.16	0.052	17.22	0.053	17.15	0.052
3	64QAM	8	4	17.09	0.051	17.21	0.053	17.17	0.052
3	64QAM	8	7	17.14	0.052	17.19	0.052	17.12	0.052
3	64QAM	15	0	17.12	0.052	17.19	0.052	17.10	0.051



LTE Band 5				Measured E.R.P.					
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	20.14	0.103	20.15	0.104	20.08	0.102
1.4	QPSK	1	3	20.08	0.102	20.12	0.103	20.06	0.101
1.4	QPSK	1	5	20.08	0.102	20.08	0.102	20.03	0.101
1.4	QPSK	3	0	19.94	0.099	19.97	0.099	20.00	0.100
1.4	QPSK	3	1	19.98	0.100	19.94	0.099	19.87	0.097
1.4	QPSK	3	3	19.93	0.098	19.96	0.099	19.90	0.098
1.4	QPSK	6	0	19.18	0.083	19.21	0.083	19.15	0.082
1.4	16QAM	1	0	19.42	0.087	19.54	0.090	19.37	0.086
1.4	16QAM	1	3	19.38	0.087	19.42	0.087	19.37	0.086
1.4	16QAM	1	5	19.46	0.088	19.48	0.089	19.44	0.088
1.4	16QAM	3	0	18.92	0.078	19.00	0.079	18.97	0.079
1.4	16QAM	3	1	18.87	0.077	18.94	0.078	18.89	0.077
1.4	16QAM	3	3	18.99	0.079	19.00	0.079	19.02	0.080
1.4	16QAM	6	0	18.08	0.064	18.19	0.066	18.17	0.066
1.4	64QAM	1	0	18.37	0.069	18.45	0.070	18.36	0.069
1.4	64QAM	1	3	18.31	0.068	18.40	0.069	18.33	0.068
1.4	64QAM	1	5	18.37	0.069	18.38	0.069	18.21	0.066
1.4	64QAM	3	0	18.03	0.064	18.05	0.064	17.99	0.063
1.4	64QAM	3	1	17.93	0.062	18.04	0.064	17.97	0.063
1.4	64QAM	3	3	17.93	0.062	17.99	0.063	17.91	0.062
1.4	64QAM	6	0	17.12	0.052	17.13	0.052	17.15	0.052



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.73	0.187	22.75	0.188	22.71	0.187
20	QPSK	1	49	22.61	0.182	22.71	0.187	22.68	0.185
20	QPSK	1	99	22.65	0.184	22.69	0.186	22.66	0.185
20	QPSK	50	0	21.77	0.150	21.80	0.151	21.77	0.150
20	QPSK	50	24	21.75	0.150	21.77	0.150	21.72	0.149
20	QPSK	50	50	21.68	0.147	21.75	0.150	21.73	0.149
20	QPSK	100	0	21.76	0.150	21.79	0.151	21.70	0.148
20	16QAM	1	0	21.79	0.151	21.88	0.154	21.80	0.151
20	16QAM	1	49	21.82	0.152	21.85	0.153	21.81	0.152
20	16QAM	1	99	21.81	0.152	21.84	0.153	21.80	0.151
20	16QAM	50	0	20.81	0.121	20.84	0.121	20.74	0.119
20	16QAM	50	24	20.77	0.119	20.82	0.121	20.73	0.118
20	16QAM	50	50	20.73	0.118	20.81	0.121	20.73	0.118
20	16QAM	100	0	20.76	0.119	20.83	0.121	20.81	0.121
20	64QAM	1	0	20.77	0.119	20.86	0.122	20.77	0.119
20	64QAM	1	49	20.78	0.120	20.82	0.121	20.72	0.118
20	64QAM	1	99	20.87	0.122	20.88	0.122	20.85	0.122
20	64QAM	50	0	19.84	0.096	19.91	0.098	19.87	0.097
20	64QAM	50	24	19.78	0.095	19.87	0.097	19.85	0.097
20	64QAM	50	50	19.83	0.096	19.88	0.097	19.82	0.096
20	64QAM	100	0	19.86	0.097	19.90	0.098	19.88	0.097



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.65	0.184	22.66	0.185	22.69	0.186
15	QPSK	1	37	22.53	0.179	22.67	0.185	22.67	0.185
15	QPSK	1	74	22.63	0.183	22.59	0.182	22.57	0.181
15	QPSK	36	0	21.76	0.150	21.79	0.151	21.74	0.149
15	QPSK	36	20	21.72	0.149	21.75	0.150	21.63	0.146
15	QPSK	36	39	21.62	0.145	21.73	0.149	21.69	0.148
15	QPSK	75	0	21.72	0.149	21.77	0.150	21.63	0.146
15	16QAM	1	0	21.71	0.148	21.87	0.154	21.79	0.151
15	16QAM	1	37	21.78	0.151	21.83	0.152	21.75	0.150
15	16QAM	1	74	21.72	0.149	21.82	0.152	21.79	0.151
15	16QAM	36	0	20.80	0.120	20.76	0.119	20.71	0.118
15	16QAM	36	20	20.74	0.119	20.77	0.119	20.67	0.117
15	16QAM	36	39	20.65	0.116	20.79	0.120	20.70	0.117
15	16QAM	75	0	20.75	0.119	20.76	0.119	20.71	0.118
15	64QAM	1	0	20.71	0.118	20.77	0.119	20.75	0.119
15	64QAM	1	37	20.74	0.119	20.80	0.120	20.67	0.117
15	64QAM	1	74	20.84	0.121	20.82	0.121	20.81	0.121
15	64QAM	36	0	19.76	0.095	19.90	0.098	19.80	0.095
15	64QAM	36	20	19.76	0.095	19.84	0.096	19.84	0.096
15	64QAM	36	39	19.76	0.095	19.82	0.096	19.80	0.095
15	64QAM	75	0	19.85	0.097	19.83	0.096	19.78	0.095



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.70	0.186	22.67	0.185	22.67	0.185
10	QPSK	1	25	22.55	0.180	22.61	0.182	22.62	0.183
10	QPSK	1	49	22.63	0.183	22.62	0.183	22.64	0.184
10	QPSK	25	0	21.71	0.148	21.74	0.149	21.74	0.149
10	QPSK	25	12	21.73	0.149	21.75	0.150	21.71	0.148
10	QPSK	25	25	21.62	0.145	21.69	0.148	21.71	0.148
10	QPSK	50	0	21.69	0.148	21.73	0.149	21.66	0.147
10	16QAM	1	0	21.70	0.148	21.83	0.152	21.72	0.149
10	16QAM	1	25	21.77	0.150	21.84	0.153	21.77	0.150
10	16QAM	1	49	21.75	0.150	21.78	0.151	21.70	0.148
10	16QAM	25	0	20.71	0.118	20.81	0.121	20.73	0.118
10	16QAM	25	12	20.67	0.117	20.72	0.118	20.70	0.117
10	16QAM	25	25	20.64	0.116	20.71	0.118	20.65	0.116
10	16QAM	50	0	20.69	0.117	20.73	0.118	20.71	0.118
10	64QAM	1	0	20.76	0.119	20.84	0.121	20.72	0.118
10	64QAM	1	25	20.76	0.119	20.76	0.119	20.67	0.117
10	64QAM	1	49	20.80	0.120	20.81	0.121	20.77	0.119
10	64QAM	25	0	19.77	0.095	19.81	0.096	19.78	0.095
10	64QAM	25	12	19.73	0.094	19.78	0.095	19.77	0.095
10	64QAM	25	25	19.81	0.096	19.87	0.097	19.80	0.095
10	64QAM	50	0	19.81	0.096	19.80	0.095	19.79	0.095



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.65	0.184	22.71	0.187	22.68	0.185
5	QPSK	1	12	22.52	0.179	22.67	0.185	22.61	0.182
5	QPSK	1	24	22.63	0.183	22.59	0.182	22.61	0.182
5	QPSK	12	0	21.67	0.147	21.75	0.150	21.74	0.149
5	QPSK	12	7	21.73	0.149	21.73	0.149	21.62	0.145
5	QPSK	12	13	21.60	0.145	21.71	0.148	21.66	0.147
5	QPSK	25	0	21.71	0.148	21.76	0.150	21.67	0.147
5	16QAM	1	0	21.78	0.151	21.86	0.153	21.74	0.149
5	16QAM	1	12	21.75	0.150	21.78	0.151	21.71	0.148
5	16QAM	1	24	21.77	0.150	21.76	0.150	21.78	0.151
5	16QAM	12	0	20.76	0.119	20.82	0.121	20.71	0.118
5	16QAM	12	7	20.75	0.119	20.77	0.119	20.71	0.118
5	16QAM	12	13	20.70	0.117	20.74	0.119	20.68	0.117
5	16QAM	25	0	20.75	0.119	20.74	0.119	20.74	0.119
5	64QAM	1	0	20.73	0.118	20.83	0.121	20.69	0.117
5	64QAM	1	12	20.68	0.117	20.80	0.120	20.70	0.117
5	64QAM	1	24	20.79	0.120	20.87	0.122	20.76	0.119
5	64QAM	12	0	19.78	0.095	19.82	0.096	19.84	0.096
5	64QAM	12	7	19.70	0.093	19.78	0.095	19.84	0.096
5	64QAM	12	13	19.78	0.095	19.78	0.095	19.72	0.094
5	64QAM	25	0	19.78	0.095	19.83	0.096	19.86	0.097



LTE Band 18				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23965		23970		23975	
Frequency (MHz)				826.5		827		827.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.73	0.075	19.04	0.080	19.11	0.081
5	QPSK	1	12	19.10	0.081	19.03	0.080	19.09	0.081
5	QPSK	1	24	18.93	0.078	18.96	0.079	18.89	0.077
5	QPSK	12	0	18.78	0.076	18.73	0.075	18.69	0.074
5	QPSK	12	7	18.67	0.074	18.64	0.073	18.66	0.073
5	QPSK	12	13	18.62	0.073	18.65	0.073	18.51	0.071
5	QPSK	25	0	18.64	0.073	18.59	0.072	18.65	0.073
5	16QAM	1	0	18.74	0.075	18.76	0.075	18.63	0.073
5	16QAM	1	12	18.68	0.074	18.71	0.074	18.70	0.074
5	16QAM	1	24	18.67	0.074	18.80	0.076	18.63	0.073
5	16QAM	12	0	17.72	0.059	17.70	0.059	17.70	0.059
5	16QAM	12	7	17.69	0.059	17.68	0.059	17.73	0.059
5	16QAM	12	13	17.68	0.059	17.66	0.058	17.55	0.057
5	16QAM	25	0	17.49	0.056	17.59	0.057	17.66	0.058
5	64QAM	1	0	17.55	0.057	17.36	0.054	17.32	0.054
5	64QAM	1	12	17.66	0.058	17.31	0.054	17.59	0.057
5	64QAM	1	24	17.46	0.056	17.44	0.055	17.27	0.053
5	64QAM	12	0	16.77	0.048	16.74	0.047	16.65	0.046
5	64QAM	12	7	16.67	0.046	16.65	0.046	16.76	0.047
5	64QAM	12	13	16.69	0.047	16.68	0.047	16.76	0.047
5	64QAM	25	0	16.68	0.047	16.61	0.046	16.71	0.047



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37850		38000		38150	
Frequency (MHz)				2580		2595		2610	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.52	0.142	21.55	0.143	21.54	0.143
20	QPSK	1	49	21.49	0.141	21.53	0.142	21.47	0.140
20	QPSK	1	99	21.44	0.139	21.50	0.141	21.46	0.140
20	QPSK	50	0	20.54	0.113	20.63	0.116	20.56	0.114
20	QPSK	50	24	20.52	0.113	20.56	0.114	20.49	0.112
20	QPSK	50	50	20.52	0.113	20.53	0.113	20.50	0.112
20	QPSK	100	0	20.49	0.112	20.58	0.114	20.48	0.112
20	16QAM	1	0	20.53	0.113	20.60	0.115	20.51	0.112
20	16QAM	1	49	20.47	0.111	20.57	0.114	20.49	0.112
20	16QAM	1	99	20.51	0.112	20.59	0.115	20.52	0.113
20	16QAM	50	0	19.67	0.093	19.68	0.093	19.60	0.091
20	16QAM	50	24	19.56	0.090	19.65	0.092	19.58	0.091
20	16QAM	50	50	19.57	0.091	19.63	0.092	19.61	0.091
20	16QAM	100	0	19.54	0.090	19.64	0.092	19.58	0.091
20	64QAM	1	0	19.64	0.092	19.66	0.092	19.56	0.090
20	64QAM	1	49	19.56	0.090	19.64	0.092	19.62	0.092
20	64QAM	1	99	19.54	0.090	19.62	0.092	19.54	0.090
20	64QAM	50	0	18.69	0.074	18.71	0.074	18.70	0.074
20	64QAM	50	24	18.58	0.072	18.66	0.073	18.63	0.073
20	64QAM	50	50	18.60	0.072	18.63	0.073	18.57	0.072
20	64QAM	100	0	18.66	0.073	18.68	0.074	18.66	0.073



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37825		38000		38175	
Frequency (MHz)				2577.5		2595		2612.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.43	0.139	21.47	0.140	21.45	0.140
15	QPSK	1	37	21.48	0.141	21.49	0.141	21.44	0.139
15	QPSK	1	74	21.34	0.136	21.40	0.138	21.36	0.137
15	QPSK	36	0	20.44	0.111	20.54	0.113	20.55	0.114
15	QPSK	36	20	20.44	0.111	20.49	0.112	20.41	0.110
15	QPSK	36	39	20.45	0.111	20.46	0.111	20.45	0.111
15	QPSK	75	0	20.43	0.110	20.49	0.112	20.43	0.110
15	16QAM	1	0	20.44	0.111	20.56	0.114	20.43	0.110
15	16QAM	1	37	20.45	0.111	20.50	0.112	20.48	0.112
15	16QAM	1	74	20.42	0.110	20.51	0.112	20.50	0.112
15	16QAM	36	0	19.60	0.091	19.63	0.092	19.51	0.089
15	16QAM	36	20	19.53	0.090	19.58	0.091	19.53	0.090
15	16QAM	36	39	19.48	0.089	19.55	0.090	19.56	0.090
15	16QAM	75	0	19.45	0.088	19.54	0.090	19.56	0.090
15	64QAM	1	0	19.59	0.091	19.65	0.092	19.52	0.090
15	64QAM	1	37	19.48	0.089	19.63	0.092	19.53	0.090
15	64QAM	1	74	19.50	0.089	19.52	0.090	19.47	0.089
15	64QAM	36	0	18.67	0.074	18.68	0.074	18.68	0.074
15	64QAM	36	20	18.50	0.071	18.61	0.073	18.57	0.072
15	64QAM	36	39	18.51	0.071	18.53	0.071	18.48	0.070
15	64QAM	75	0	18.61	0.073	18.67	0.074	18.61	0.073



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37800		38000		38200	
Frequency (MHz)				2575		2595		2615	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.45	0.140	21.45	0.140	21.51	0.142
10	QPSK	1	25	21.42	0.139	21.44	0.139	21.37	0.137
10	QPSK	1	49	21.37	0.137	21.47	0.140	21.38	0.137
10	QPSK	25	0	20.53	0.113	20.60	0.115	20.48	0.112
10	QPSK	25	12	20.50	0.112	20.52	0.113	20.40	0.110
10	QPSK	25	25	20.47	0.111	20.50	0.112	20.42	0.110
10	QPSK	50	0	20.39	0.109	20.56	0.114	20.44	0.111
10	16QAM	1	0	20.48	0.112	20.57	0.114	20.41	0.110
10	16QAM	1	25	20.38	0.109	20.49	0.112	20.48	0.112
10	16QAM	1	49	20.50	0.112	20.53	0.113	20.42	0.110
10	16QAM	25	0	19.59	0.091	19.65	0.092	19.57	0.091
10	16QAM	25	12	19.51	0.089	19.60	0.091	19.57	0.091
10	16QAM	25	25	19.49	0.089	19.62	0.092	19.55	0.090
10	16QAM	50	0	19.49	0.089	19.59	0.091	19.50	0.089
10	64QAM	1	0	19.62	0.092	19.56	0.090	19.53	0.090
10	64QAM	1	25	19.47	0.089	19.57	0.091	19.57	0.091
10	64QAM	1	49	19.50	0.089	19.61	0.091	19.53	0.090
10	64QAM	25	0	18.65	0.073	18.70	0.074	18.60	0.072
10	64QAM	25	12	18.51	0.071	18.59	0.072	18.59	0.072
10	64QAM	25	25	18.52	0.071	18.62	0.073	18.56	0.072
10	64QAM	50	0	18.62	0.073	18.58	0.072	18.57	0.072



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37775		38000		38225	
Frequency (MHz)				2572.5		2595		2617.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.49	0.141	21.48	0.141	21.44	0.139
5	QPSK	1	12	21.43	0.139	21.44	0.139	21.38	0.137
5	QPSK	1	24	21.34	0.136	21.42	0.139	21.37	0.137
5	QPSK	12	0	20.45	0.111	20.57	0.114	20.47	0.111
5	QPSK	12	7	20.45	0.111	20.51	0.112	20.40	0.110
5	QPSK	12	13	20.49	0.112	20.47	0.111	20.42	0.110
5	QPSK	25	0	20.41	0.110	20.57	0.114	20.44	0.111
5	16QAM	1	0	20.51	0.112	20.58	0.114	20.49	0.112
5	16QAM	1	12	20.45	0.111	20.51	0.112	20.45	0.111
5	16QAM	1	24	20.49	0.112	20.51	0.112	20.50	0.112
5	16QAM	12	0	19.63	0.092	19.63	0.092	19.57	0.091
5	16QAM	12	7	19.51	0.089	19.58	0.091	19.54	0.090
5	16QAM	12	13	19.50	0.089	19.57	0.091	19.59	0.091
5	16QAM	25	0	19.47	0.089	19.63	0.092	19.49	0.089
5	64QAM	1	0	19.54	0.090	19.57	0.091	19.50	0.089
5	64QAM	1	12	19.52	0.090	19.56	0.090	19.59	0.091
5	64QAM	1	24	19.45	0.088	19.58	0.091	19.53	0.090
5	64QAM	12	0	18.67	0.074	18.61	0.073	18.69	0.074
5	64QAM	12	7	18.49	0.071	18.62	0.073	18.58	0.072
5	64QAM	12	13	18.59	0.072	18.54	0.071	18.49	0.071
5	64QAM	25	0	18.62	0.073	18.58	0.072	18.61	0.073



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		38750		/	
Frequency (MHz)				/		2310		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	23.85	0.243	/	/
10	QPSK	1	25	/	/	23.80	0.240	/	/
10	QPSK	1	49	/	/	23.81	0.240	/	/
10	QPSK	25	0	/	/	22.92	0.196	/	/
10	QPSK	25	12	/	/	22.82	0.191	/	/
10	QPSK	25	25	/	/	22.89	0.195	/	/
10	QPSK	50	0	/	/	22.90	0.195	/	/
10	16QAM	1	0	/	/	22.90	0.195	/	/
10	16QAM	1	25	/	/	22.88	0.194	/	/
10	16QAM	1	49	/	/	22.89	0.195	/	/
10	16QAM	25	0	/	/	22.00	0.158	/	/
10	16QAM	25	12	/	/	21.95	0.157	/	/
10	16QAM	25	25	/	/	21.97	0.157	/	/
10	16QAM	50	0	/	/	21.97	0.157	/	/
10	64QAM	1	0	/	/	21.93	0.156	/	/
10	64QAM	1	25	/	/	21.89	0.155	/	/
10	64QAM	1	49	/	/	21.88	0.154	/	/
10	64QAM	25	0	/	/	20.87	0.122	/	/
10	64QAM	25	12	/	/	20.85	0.122	/	/
10	64QAM	25	25	/	/	20.85	0.122	/	/
10	64QAM	50	0	/	/	20.83	0.121	/	/



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				38725		38750		38775	
Frequency (MHz)				2307.5		2310		2312.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.72	0.236	23.76	0.238	23.74	0.237
5	QPSK	1	12	23.73	0.236	23.64	0.231	23.74	0.237
5	QPSK	1	24	23.74	0.237	23.80	0.240	23.77	0.238
5	QPSK	12	0	22.86	0.193	22.78	0.190	22.80	0.191
5	QPSK	12	7	22.80	0.191	22.78	0.190	22.77	0.189
5	QPSK	12	13	22.84	0.192	22.80	0.191	22.84	0.192
5	QPSK	25	0	22.88	0.194	22.79	0.190	22.85	0.193
5	16QAM	1	0	22.80	0.191	22.80	0.191	22.87	0.194
5	16QAM	1	12	22.80	0.191	22.80	0.191	22.86	0.193
5	16QAM	1	24	22.84	0.192	22.83	0.192	22.79	0.190
5	16QAM	12	0	21.91	0.155	21.97	0.157	21.90	0.155
5	16QAM	12	7	21.83	0.152	21.81	0.152	21.94	0.156
5	16QAM	12	13	21.84	0.153	21.87	0.154	21.87	0.154
5	16QAM	25	0	21.87	0.154	21.83	0.152	21.89	0.155
5	64QAM	1	0	21.84	0.153	21.82	0.152	21.85	0.153
5	64QAM	1	12	21.81	0.152	21.79	0.151	21.82	0.152
5	64QAM	1	24	21.76	0.150	21.77	0.150	21.82	0.152
5	64QAM	12	0	20.87	0.122	20.86	0.122	20.87	0.122
5	64QAM	12	7	20.85	0.122	20.76	0.119	20.86	0.122
5	64QAM	12	13	20.74	0.119	20.79	0.120	20.78	0.120
5	64QAM	25	0	20.86	0.122	20.78	0.120	20.83	0.121



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		39200		/	
Frequency (MHz)				/		2355		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	23.79	0.239	/	/
10	QPSK	1	25	/	/	23.75	0.237	/	/
10	QPSK	1	49	/	/	23.76	0.238	/	/
10	QPSK	25	0	/	/	22.88	0.194	/	/
10	QPSK	25	12	/	/	22.85	0.193	/	/
10	QPSK	25	25	/	/	22.82	0.191	/	/
10	QPSK	50	0	/	/	22.84	0.192	/	/
10	16QAM	1	0	/	/	22.89	0.195	/	/
10	16QAM	1	25	/	/	22.91	0.195	/	/
10	16QAM	1	49	/	/	22.79	0.190	/	/
10	16QAM	25	0	/	/	21.90	0.155	/	/
10	16QAM	25	12	/	/	21.92	0.156	/	/
10	16QAM	25	25	/	/	21.86	0.153	/	/
10	16QAM	50	0	/	/	21.86	0.153	/	/
10	64QAM	1	0	/	/	21.80	0.151	/	/
10	64QAM	1	25	/	/	21.90	0.155	/	/
10	64QAM	1	49	/	/	21.79	0.151	/	/
10	64QAM	25	0	/	/	20.84	0.121	/	/
10	64QAM	25	12	/	/	20.87	0.122	/	/
10	64QAM	25	25	/	/	20.83	0.121	/	/
10	64QAM	50	0	/	/	20.86	0.122	/	/



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39175		39200		39225	
Frequency (MHz)				2352.5		2355		2357.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.78	0.239	23.78	0.239	23.80	0.240
5	QPSK	1	12	23.74	0.237	23.73	0.236	23.71	0.235
5	QPSK	1	24	23.71	0.235	23.73	0.236	23.75	0.237
5	QPSK	12	0	22.86	0.193	22.83	0.192	22.76	0.189
5	QPSK	12	7	22.76	0.189	22.78	0.190	22.71	0.187
5	QPSK	12	13	22.78	0.190	22.83	0.192	22.91	0.195
5	QPSK	25	0	22.85	0.193	22.81	0.191	22.85	0.193
5	16QAM	1	0	22.85	0.193	22.78	0.190	22.93	0.196
5	16QAM	1	12	22.86	0.193	22.83	0.192	22.83	0.192
5	16QAM	1	24	22.88	0.194	22.89	0.195	22.78	0.190
5	16QAM	12	0	21.86	0.153	22.01	0.159	21.90	0.155
5	16QAM	12	7	21.90	0.155	21.84	0.153	21.88	0.154
5	16QAM	12	13	21.89	0.155	21.83	0.152	21.89	0.155
5	16QAM	25	0	21.94	0.156	21.89	0.155	21.89	0.155
5	64QAM	1	0	21.85	0.153	21.86	0.153	21.84	0.153
5	64QAM	1	12	21.83	0.152	21.78	0.151	21.86	0.153
5	64QAM	1	24	21.74	0.149	21.83	0.152	21.74	0.149
5	64QAM	12	0	20.83	0.121	20.83	0.121	20.88	0.122
5	64QAM	12	7	20.78	0.120	20.85	0.122	20.86	0.122
5	64QAM	12	13	20.78	0.120	20.82	0.121	20.79	0.120
5	64QAM	25	0	20.83	0.121	20.77	0.119	20.78	0.120



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40140		40640		41140	
Frequency (MHz)				2545		2595		2645	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	25.25	0.335	25.34	0.342	25.04	0.319
20	QPSK	1	49	25.28	0.337	25.33	0.341	25.03	0.318
20	QPSK	1	99	25.22	0.333	25.31	0.340	24.98	0.315
20	QPSK	50	0	24.32	0.270	24.35	0.272	24.14	0.259
20	QPSK	50	24	24.25	0.266	24.25	0.266	24.15	0.260
20	QPSK	50	50	24.25	0.266	24.31	0.270	24.00	0.251
20	QPSK	100	0	24.21	0.264	24.34	0.272	24.05	0.254
20	16QAM	1	0	24.35	0.272	24.45	0.279	24.14	0.259
20	16QAM	1	49	24.23	0.265	24.42	0.277	24.16	0.261
20	16QAM	1	99	24.34	0.272	24.37	0.274	24.06	0.255
20	16QAM	50	0	23.23	0.210	23.32	0.215	23.04	0.201
20	16QAM	50	24	23.25	0.211	23.34	0.216	23.03	0.201
20	16QAM	50	50	23.25	0.211	23.34	0.216	22.96	0.198
20	16QAM	100	0	23.26	0.212	23.35	0.216	23.11	0.205
20	64QAM	1	0	23.39	0.218	23.50	0.224	23.16	0.207
20	64QAM	1	49	23.33	0.215	23.42	0.220	23.16	0.207
20	64QAM	1	99	23.24	0.211	23.44	0.221	23.04	0.201
20	64QAM	50	0	22.27	0.169	22.36	0.172	22.13	0.163
20	64QAM	50	24	22.25	0.168	22.31	0.170	22.00	0.158
20	64QAM	50	50	22.25	0.168	22.32	0.171	22.10	0.162
20	64QAM	100	0	22.27	0.169	22.33	0.171	21.94	0.156



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40115		40640		41165	
Frequency (MHz)				2542.5		2595		2647.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	25.17	0.329	25.25	0.335	25.03	0.318
15	QPSK	1	37	25.18	0.330	25.29	0.338	24.94	0.312
15	QPSK	1	74	25.15	0.327	25.25	0.335	24.94	0.312
15	QPSK	36	0	24.23	0.265	24.28	0.268	24.06	0.255
15	QPSK	36	20	24.18	0.262	24.20	0.263	24.06	0.255
15	QPSK	36	39	24.15	0.260	24.28	0.268	23.92	0.247
15	QPSK	75	0	24.19	0.262	24.32	0.270	24.03	0.253
15	16QAM	1	0	24.34	0.272	24.42	0.277	24.10	0.257
15	16QAM	1	37	24.21	0.264	24.36	0.273	24.07	0.255
15	16QAM	1	74	24.31	0.270	24.29	0.269	23.97	0.249
15	16QAM	36	0	23.14	0.206	23.27	0.212	23.01	0.200
15	16QAM	36	20	23.18	0.208	23.27	0.212	23.02	0.200
15	16QAM	36	39	23.24	0.211	23.24	0.211	22.91	0.195
15	16QAM	75	0	23.25	0.211	23.34	0.216	23.09	0.204
15	64QAM	1	0	23.30	0.214	23.42	0.220	23.10	0.204
15	64QAM	1	37	23.31	0.214	23.37	0.217	23.15	0.207
15	64QAM	1	74	23.21	0.209	23.42	0.220	22.98	0.199
15	64QAM	36	0	22.26	0.168	22.33	0.171	22.06	0.161
15	64QAM	36	20	22.22	0.167	22.24	0.167	21.93	0.156
15	64QAM	36	39	22.19	0.166	22.28	0.169	22.05	0.160
15	64QAM	75	0	22.18	0.165	22.28	0.169	21.85	0.153



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40090		40640		41190	
Frequency (MHz)				2540		2595		2650	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	25.16	0.328	25.28	0.337	24.97	0.314
10	QPSK	1	25	25.19	0.330	25.31	0.340	24.98	0.315
10	QPSK	1	49	25.16	0.328	25.25	0.335	24.91	0.310
10	QPSK	25	0	24.28	0.268	24.29	0.269	24.05	0.254
10	QPSK	25	12	24.23	0.265	24.20	0.263	24.07	0.255
10	QPSK	25	25	24.21	0.264	24.29	0.269	23.98	0.250
10	QPSK	50	0	24.14	0.259	24.24	0.265	24.02	0.252
10	16QAM	1	0	24.33	0.271	24.41	0.276	24.10	0.257
10	16QAM	1	25	24.17	0.261	24.35	0.272	24.09	0.256
10	16QAM	1	49	24.31	0.270	24.32	0.270	24.03	0.253
10	16QAM	25	0	23.13	0.206	23.22	0.210	22.99	0.199
10	16QAM	25	12	23.24	0.211	23.25	0.211	22.97	0.198
10	16QAM	25	25	23.22	0.210	23.24	0.211	22.91	0.195
10	16QAM	50	0	23.18	0.208	23.26	0.212	23.06	0.202
10	64QAM	1	0	23.37	0.217	23.42	0.220	23.11	0.205
10	64QAM	1	25	23.32	0.215	23.41	0.219	23.15	0.207
10	64QAM	1	49	23.15	0.207	23.41	0.219	23.02	0.200
10	64QAM	25	0	22.25	0.168	22.28	0.169	22.03	0.160
10	64QAM	25	12	22.19	0.166	22.30	0.170	21.95	0.157
10	64QAM	25	25	22.23	0.167	22.28	0.169	22.06	0.161
10	64QAM	50	0	22.20	0.166	22.25	0.168	21.93	0.156



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40065		40640		41215	
Frequency (MHz)				2537.5		2595		2652.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	25.16	0.328	25.32	0.340	24.95	0.313
5	QPSK	1	12	25.18	0.330	25.28	0.337	24.95	0.313
5	QPSK	1	24	25.18	0.330	25.27	0.337	24.96	0.313
5	QPSK	12	0	24.29	0.269	24.29	0.269	24.06	0.255
5	QPSK	12	7	24.22	0.264	24.20	0.263	24.14	0.259
5	QPSK	12	13	24.22	0.264	24.21	0.264	23.96	0.249
5	QPSK	25	0	24.15	0.260	24.26	0.267	24.04	0.254
5	16QAM	1	0	24.27	0.267	24.36	0.273	24.08	0.256
5	16QAM	1	12	24.19	0.262	24.37	0.274	24.14	0.259
5	16QAM	1	24	24.29	0.269	24.34	0.272	24.03	0.253
5	16QAM	12	0	23.14	0.206	23.22	0.210	23.02	0.200
5	16QAM	12	7	23.18	0.208	23.25	0.211	23.00	0.200
5	16QAM	12	13	23.20	0.209	23.24	0.211	22.91	0.195
5	16QAM	25	0	23.19	0.208	23.31	0.214	23.05	0.202
5	64QAM	1	0	23.31	0.214	23.41	0.219	23.14	0.206
5	64QAM	1	12	23.28	0.213	23.38	0.218	23.06	0.202
5	64QAM	1	24	23.17	0.207	23.38	0.218	22.95	0.197
5	64QAM	12	0	22.20	0.166	22.30	0.170	22.10	0.162
5	64QAM	12	7	22.17	0.165	22.25	0.168	21.96	0.157
5	64QAM	12	13	22.23	0.167	22.27	0.169	22.08	0.161
5	64QAM	25	0	22.20	0.166	22.32	0.171	21.89	0.155



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40140		40640		41140	
Frequency (MHz)				2545		2595		2645	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.44	0.175	22.59	0.182	22.38	0.173
20	QPSK	1	49	22.30	0.170	22.47	0.177	22.36	0.172
20	QPSK	1	99	22.31	0.170	22.54	0.179	22.28	0.169
20	QPSK	50	0	21.57	0.144	21.70	0.148	21.40	0.138
20	QPSK	50	24	21.56	0.143	21.63	0.146	21.42	0.139
20	QPSK	50	50	21.48	0.141	21.61	0.145	21.46	0.140
20	QPSK	100	0	21.37	0.137	21.52	0.142	21.42	0.139
20	16QAM	1	0	21.45	0.140	21.71	0.148	21.49	0.141
20	16QAM	1	49	21.53	0.142	21.63	0.146	21.46	0.140
20	16QAM	1	99	21.46	0.140	21.66	0.147	21.51	0.142
20	16QAM	50	0	20.32	0.108	20.51	0.112	20.35	0.108
20	16QAM	50	24	20.30	0.107	20.47	0.111	20.29	0.107
20	16QAM	50	50	20.31	0.107	20.49	0.112	20.29	0.107
20	16QAM	100	0	20.28	0.107	20.46	0.111	20.34	0.108
20	64QAM	1	0	20.46	0.111	20.58	0.114	20.44	0.111
20	64QAM	1	49	20.45	0.111	20.60	0.115	20.42	0.110
20	64QAM	1	99	20.42	0.110	20.60	0.115	20.35	0.108
20	64QAM	50	0	19.38	0.087	19.57	0.091	19.37	0.086
20	64QAM	50	24	19.42	0.087	19.54	0.090	19.37	0.086
20	64QAM	50	50	19.31	0.085	19.56	0.090	19.31	0.085
20	64QAM	100	0	19.34	0.086	19.46	0.088	19.34	0.086



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40115		40640		41165	
Frequency (MHz)				2542.5		2595		2647.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.37	0.173	22.51	0.178	22.31	0.170
15	QPSK	1	37	22.24	0.167	22.37	0.173	22.35	0.172
15	QPSK	1	74	22.24	0.167	22.49	0.177	22.23	0.167
15	QPSK	36	0	21.38	0.137	21.53	0.142	21.37	0.137
15	QPSK	36	20	21.41	0.138	21.45	0.140	21.39	0.138
15	QPSK	36	39	21.47	0.140	21.59	0.144	21.40	0.138
15	QPSK	75	0	21.32	0.136	21.44	0.139	21.39	0.138
15	16QAM	1	0	21.44	0.139	21.61	0.145	21.45	0.140
15	16QAM	1	37	21.47	0.140	21.57	0.144	21.43	0.139
15	16QAM	1	74	21.42	0.139	21.65	0.146	21.48	0.141
15	16QAM	36	0	20.29	0.107	20.49	0.112	20.26	0.106
15	16QAM	36	20	20.22	0.105	20.46	0.111	20.19	0.104
15	16QAM	36	39	20.27	0.106	20.48	0.112	20.19	0.104
15	16QAM	75	0	20.23	0.105	20.44	0.111	20.32	0.108
15	64QAM	1	0	20.43	0.110	20.50	0.112	20.39	0.109
15	64QAM	1	37	20.39	0.109	20.54	0.113	20.35	0.108
15	64QAM	1	74	20.39	0.109	20.51	0.112	20.33	0.108
15	64QAM	36	0	19.34	0.086	19.47	0.089	19.35	0.086
15	64QAM	36	20	19.34	0.086	19.45	0.088	19.36	0.086
15	64QAM	36	39	19.26	0.084	19.49	0.089	19.24	0.084
15	64QAM	75	0	19.29	0.085	19.43	0.088	19.31	0.085



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40090		40640		41190	
Frequency (MHz)				2540		2595		2650	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.34	0.171	22.52	0.179	22.37	0.173
10	QPSK	1	25	22.23	0.167	22.45	0.176	22.33	0.171
10	QPSK	1	49	22.24	0.167	22.46	0.176	22.24	0.167
10	QPSK	25	0	21.43	0.139	21.58	0.144	21.30	0.135
10	QPSK	25	12	21.40	0.138	21.44	0.139	21.34	0.136
10	QPSK	25	25	21.47	0.140	21.55	0.143	21.39	0.138
10	QPSK	50	0	21.35	0.136	21.50	0.141	21.39	0.138
10	16QAM	1	0	21.41	0.138	21.69	0.148	21.39	0.138
10	16QAM	1	25	21.46	0.140	21.56	0.143	21.40	0.138
10	16QAM	1	49	21.39	0.138	21.56	0.143	21.41	0.138
10	16QAM	25	0	20.29	0.107	20.50	0.112	20.31	0.107
10	16QAM	25	12	20.29	0.107	20.42	0.110	20.26	0.106
10	16QAM	25	25	20.24	0.106	20.42	0.110	20.22	0.105
10	16QAM	50	0	20.21	0.105	20.44	0.111	20.29	0.107
10	64QAM	1	0	20.45	0.111	20.51	0.112	20.39	0.109
10	64QAM	1	25	20.41	0.110	20.55	0.114	20.38	0.109
10	64QAM	1	49	20.35	0.108	20.54	0.113	20.25	0.106
10	64QAM	25	0	19.34	0.086	19.56	0.090	19.29	0.085
10	64QAM	25	12	19.34	0.086	19.53	0.090	19.31	0.085
10	64QAM	25	25	19.25	0.084	19.52	0.090	19.21	0.083
10	64QAM	50	0	19.27	0.085	19.38	0.087	19.26	0.084



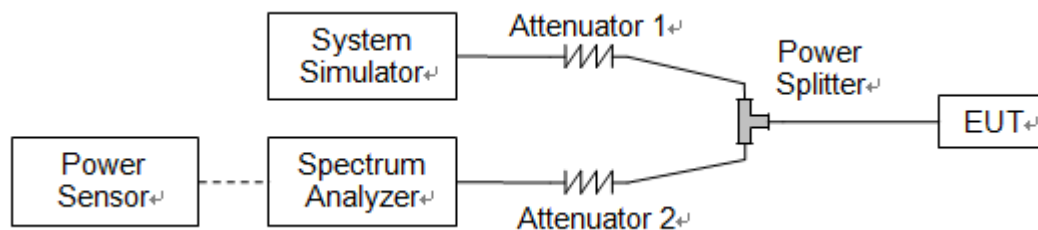
LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40065		40640		41215	
Frequency (MHz)				2537.5		2595		2652.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.42	0.175	22.54	0.179	22.29	0.169
5	QPSK	1	12	22.26	0.168	22.38	0.173	22.31	0.170
5	QPSK	1	24	22.29	0.169	22.51	0.178	22.18	0.165
5	QPSK	12	0	21.44	0.139	21.59	0.144	21.37	0.137
5	QPSK	12	7	21.41	0.138	21.45	0.140	21.32	0.136
5	QPSK	12	13	21.45	0.140	21.59	0.144	21.43	0.139
5	QPSK	25	0	21.35	0.136	21.46	0.140	21.34	0.136
5	16QAM	1	0	21.42	0.139	21.63	0.146	21.44	0.139
5	16QAM	1	12	21.45	0.140	21.59	0.144	21.39	0.138
5	16QAM	1	24	21.43	0.139	21.62	0.145	21.44	0.139
5	16QAM	12	0	20.26	0.106	20.48	0.112	20.26	0.106
5	16QAM	12	7	20.29	0.107	20.46	0.111	20.28	0.107
5	16QAM	12	13	20.23	0.105	20.39	0.109	20.20	0.105
5	16QAM	25	0	20.22	0.105	20.40	0.110	20.31	0.107
5	64QAM	1	0	20.44	0.111	20.48	0.112	20.39	0.109
5	64QAM	1	12	20.38	0.109	20.52	0.113	20.34	0.108
5	64QAM	1	24	20.33	0.108	20.57	0.114	20.31	0.107
5	64QAM	12	0	19.34	0.086	19.53	0.090	19.36	0.086
5	64QAM	12	7	19.38	0.087	19.52	0.090	19.32	0.086
5	64QAM	12	13	19.26	0.084	19.53	0.090	19.25	0.084
5	64QAM	25	0	19.25	0.084	19.43	0.088	19.33	0.086

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 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.

2.2.3. Test Procedure

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

2.2.4. Test Result



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B2	1.4	Low	18607	1850.7	QPSK	1.0962	1.3224	PASS
B2	1.4	Low	18607	1850.7	16QAM	1.1007	1.2968	PASS
B2	1.4	Low	18607	1850.7	64QAM	1.1005	1.2775	PASS
B2	1.4	Mid	18900	1880	QPSK	1.0992	1.2829	PASS
B2	1.4	Mid	18900	1880	16QAM	1.1002	1.2891	PASS
B2	1.4	Mid	18900	1880	64QAM	1.0991	1.2900	PASS
B2	1.4	High	19193	1909.3	QPSK	1.0961	1.2724	PASS
B2	1.4	High	19193	1909.3	16QAM	1.1004	1.2874	PASS
B2	1.4	High	19193	1909.3	64QAM	1.1005	1.2907	PASS
B2	3	Low	18615	1851.5	QPSK	2.7004	2.9949	PASS
B2	3	Low	18615	1851.5	16QAM	2.6986	2.9938	PASS
B2	3	Low	18615	1851.5	64QAM	2.7052	2.9769	PASS
B2	3	Mid	18900	1880	QPSK	2.6988	2.9681	PASS
B2	3	Mid	18900	1880	16QAM	2.7026	2.9907	PASS
B2	3	Mid	18900	1880	64QAM	2.7078	2.9684	PASS
B2	3	High	19185	1908.5	QPSK	2.7045	2.9744	PASS
B2	3	High	19185	1908.5	16QAM	2.6981	2.9773	PASS
B2	3	High	19185	1908.5	64QAM	2.7008	2.9690	PASS
B2	5	Low	18625	1852.5	QPSK	4.4841	4.9739	PASS
B2	5	Low	18625	1852.5	16QAM	4.4796	4.9496	PASS
B2	5	Low	18625	1852.5	64QAM	4.4833	4.9788	PASS
B2	5	Mid	18900	1880	QPSK	4.4887	4.9835	PASS
B2	5	Mid	18900	1880	16QAM	4.4877	4.9365	PASS
B2	5	Mid	18900	1880	64QAM	4.4970	4.9723	PASS
B2	5	High	19175	1907.5	QPSK	4.4812	4.9335	PASS
B2	5	High	19175	1907.5	16QAM	4.4802	4.9562	PASS
B2	5	High	19175	1907.5	64QAM	4.5036	4.9684	PASS
B2	10	Low	18650	1855	QPSK	8.9564	9.7018	PASS
B2	10	Low	18650	1855	16QAM	8.9304	9.7296	PASS
B2	10	Low	18650	1855	64QAM	8.9496	9.7399	PASS
B2	10	Mid	18900	1880	QPSK	8.9658	9.7800	PASS
B2	10	Mid	18900	1880	16QAM	8.9323	9.7400	PASS
B2	10	Mid	18900	1880	64QAM	8.9531	9.7848	PASS
B2	10	High	19150	1905	QPSK	8.9547	9.7170	PASS
B2	10	High	19150	1905	16QAM	8.9377	9.7456	PASS



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B2	10	High	19150	1905	64QAM	8.9311	9.7407	PASS
B2	15	Low	18675	1857.5	QPSK	13.444	14.509	PASS
B2	15	Low	18675	1857.5	16QAM	13.419	14.518	PASS
B2	15	Low	18675	1857.5	64QAM	13.410	14.608	PASS
B2	15	Mid	18900	1880	QPSK	13.466	14.524	PASS
B2	15	Mid	18900	1880	16QAM	13.432	14.600	PASS
B2	15	Mid	18900	1880	64QAM	13.396	14.564	PASS
B2	15	High	19125	1902.5	QPSK	13.412	14.486	PASS
B2	15	High	19125	1902.5	16QAM	13.414	14.522	PASS
B2	15	High	19125	1902.5	64QAM	13.395	14.543	PASS
B2	20	Low	18700	1860	QPSK	17.879	19.286	PASS
B2	20	Low	18700	1860	16QAM	17.854	19.242	PASS
B2	20	Low	18700	1860	64QAM	17.877	19.201	PASS
B2	20	Mid	18900	1880	QPSK	17.886	19.353	PASS
B2	20	Mid	18900	1880	16QAM	17.850	19.343	PASS
B2	20	Mid	18900	1880	64QAM	17.896	19.222	PASS
B2	20	High	19100	1900	QPSK	17.895	19.267	PASS
B2	20	High	19100	1900	16QAM	17.916	19.253	PASS
B2	20	High	19100	1900	64QAM	17.904	19.339	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B4	1.4	Low	19957	1710.7	QPSK	1.0972	1.2883	PASS
B4	1.4	Low	19957	1710.7	16QAM	1.0979	1.2911	PASS
B4	1.4	Low	19957	1710.7	64QAM	0.8773	0.9293	PASS
B4	1.4	Mid	20175	1732.5	QPSK	1.0977	1.2814	PASS
B4	1.4	Mid	20175	1732.5	16QAM	1.0992	1.3028	PASS
B4	1.4	Mid	20175	1732.5	64QAM	1.0999	1.3015	PASS
B4	1.4	High	20393	1754.3	QPSK	1.1001	1.2871	PASS
B4	1.4	High	20393	1754.3	16QAM	1.0953	1.3025	PASS
B4	1.4	High	20393	1754.3	64QAM	1.0993	1.2930	PASS
B4	3	Low	19965	1711.5	QPSK	2.6973	2.9724	PASS
B4	3	Low	19965	1711.5	16QAM	2.7003	2.9997	PASS
B4	3	Low	19965	1711.5	64QAM	2.7087	2.9934	PASS
B4	3	Mid	20175	1732.5	QPSK	2.6977	2.9899	PASS
B4	3	Mid	20175	1732.5	16QAM	2.7007	3.0036	PASS
B4	3	Mid	20175	1732.5	64QAM	2.7108	2.9928	PASS
B4	3	High	20385	1753.5	QPSK	2.6992	2.9664	PASS
B4	3	High	20385	1753.5	16QAM	2.7003	2.9880	PASS
B4	3	High	20385	1753.5	64QAM	2.7119	3.0001	PASS
B4	5	Low	19975	1712.5	QPSK	4.4854	4.9774	PASS
B4	5	Low	19975	1712.5	16QAM	4.4901	4.9511	PASS
B4	5	Low	19975	1712.5	64QAM	4.4885	4.9437	PASS
B4	5	Mid	20175	1732.5	QPSK	4.4899	4.9908	PASS
B4	5	Mid	20175	1732.5	16QAM	4.4856	4.9849	PASS
B4	5	Mid	20175	1732.5	64QAM	4.4818	4.9377	PASS
B4	5	High	20375	1752.5	QPSK	4.4832	4.9428	PASS
B4	5	High	20375	1752.5	16QAM	4.4847	4.9662	PASS
B4	5	High	20375	1752.5	64QAM	4.4880	4.9097	PASS
B4	10	Low	20000	1715	QPSK	8.9679	9.7469	PASS
B4	10	Low	20000	1715	16QAM	8.9360	9.7289	PASS
B4	10	Low	20000	1715	64QAM	8.9632	9.8221	PASS
B4	10	Mid	20175	1732.5	QPSK	8.9749	9.7931	PASS
B4	10	Mid	20175	1732.5	16QAM	8.9206	9.6985	PASS
B4	10	Mid	20175	1732.5	64QAM	8.9565	9.7236	PASS
B4	10	High	20350	1750	QPSK	8.9509	9.7635	PASS
B4	10	High	20350	1750	16QAM	8.9481	9.6777	PASS



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B4	10	High	20350	1750	64QAM	8.9561	9.7333	PASS
B4	15	Low	20025	1717.5	QPSK	13.397	14.490	PASS
B4	15	Low	20025	1717.5	16QAM	13.408	14.560	PASS
B4	15	Low	20025	1717.5	64QAM	13.398	14.484	PASS
B4	15	Mid	20175	1732.5	QPSK	13.447	14.466	PASS
B4	15	Mid	20175	1732.5	16QAM	13.440	14.537	PASS
B4	15	Mid	20175	1732.5	64QAM	13.425	14.501	PASS
B4	15	High	20325	1747.5	QPSK	13.389	14.481	PASS
B4	15	High	20325	1747.5	16QAM	13.419	14.524	PASS
B4	15	High	20325	1747.5	64QAM	13.423	14.569	PASS
B4	20	Low	20050	1720	QPSK	17.866	19.314	PASS
B4	20	Low	20050	1720	16QAM	17.882	19.244	PASS
B4	20	Low	20050	1720	64QAM	17.881	19.277	PASS
B4	20	Mid	20175	1732.5	QPSK	17.899	19.325	PASS
B4	20	Mid	20175	1732.5	16QAM	17.924	19.387	PASS
B4	20	Mid	20175	1732.5	64QAM	17.925	19.189	PASS
B4	20	High	20300	1745	QPSK	17.859	19.343	PASS
B4	20	High	20300	1745	16QAM	17.889	19.250	PASS
B4	20	High	20300	1745	64QAM	17.863	19.296	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B5	1.4	Low	20407	824.7	QPSK	1.0948	1.2992	PASS
B5	1.4	Low	20407	824.7	16QAM	1.1000	1.2919	PASS
B5	1.4	Low	20407	824.7	64QAM	1.1005	1.2897	PASS
B5	1.4	Mid	20525	836.5	QPSK	1.0994	1.2787	PASS
B5	1.4	Mid	20525	836.5	16QAM	1.0980	1.2976	PASS
B5	1.4	Mid	20525	836.5	64QAM	1.0973	1.2827	PASS
B5	1.4	High	20643	848.3	QPSK	1.1006	1.2848	PASS
B5	1.4	High	20643	848.3	16QAM	1.1044	1.2963	PASS
B5	1.4	High	20643	848.3	64QAM	1.0992	1.2986	PASS
B5	3	Low	20415	825.5	QPSK	2.7020	2.9678	PASS
B5	3	Low	20415	825.5	16QAM	2.7005	2.9859	PASS
B5	3	Low	20415	825.5	64QAM	2.7009	2.9822	PASS
B5	3	Mid	20525	836.5	QPSK	2.7006	2.9727	PASS
B5	3	Mid	20525	836.5	16QAM	2.7037	2.9968	PASS
B5	3	Mid	20525	836.5	64QAM	2.7034	2.9739	PASS
B5	3	High	20635	847.5	QPSK	2.7134	2.8907	PASS
B5	3	High	20635	847.5	16QAM	2.7051	2.9862	PASS
B5	3	High	20635	847.5	64QAM	2.7002	2.9756	PASS
B5	5	Low	20425	826.5	QPSK	4.4884	4.9723	PASS
B5	5	Low	20425	826.5	16QAM	4.4960	4.9631	PASS
B5	5	Low	20425	826.5	64QAM	4.4863	4.9683	PASS
B5	5	Mid	20525	836.5	QPSK	4.4862	4.9441	PASS
B5	5	Mid	20525	836.5	16QAM	4.4949	4.9417	PASS
B5	5	Mid	20525	836.5	64QAM	4.4946	4.9636	PASS
B5	5	High	20625	846.5	QPSK	4.4869	4.9617	PASS
B5	5	High	20625	846.5	16QAM	4.4872	4.9472	PASS
B5	5	High	20625	846.5	64QAM	4.4942	4.9380	PASS
B5	10	Low	20450	829	QPSK	8.9708	9.8136	PASS
B5	10	Low	20450	829	16QAM	8.9432	9.7412	PASS
B5	10	Low	20450	829	64QAM	8.9684	9.7867	PASS
B5	10	Mid	20525	836.5	QPSK	8.9741	9.7718	PASS
B5	10	Mid	20525	836.5	16QAM	8.9508	9.7849	PASS
B5	10	Mid	20525	836.5	64QAM	8.9653	9.8321	PASS
B5	10	High	20600	844	QPSK	8.9593	9.7628	PASS
B5	10	High	20600	844	16QAM	8.9156	9.7639	PASS



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B5	10	High	20600	844	64QAM	8.9355	9.7416	PASS
B7	5	Low	20775	2502.5	QPSK	4.4801	4.9597	PASS
B7	5	Low	20775	2502.5	16QAM	4.4740	4.9525	PASS
B7	5	Low	20775	2502.5	64QAM	4.4737	4.9412	PASS
B7	5	Mid	21100	2535	QPSK	4.4886	4.9498	PASS
B7	5	Mid	21100	2535	16QAM	4.4904	4.9727	PASS
B7	5	Mid	21100	2535	64QAM	4.4858	4.9338	PASS
B7	5	High	21425	2567.5	QPSK	4.4840	4.9625	PASS
B7	5	High	21425	2567.5	16QAM	4.4852	4.9605	PASS
B7	5	High	21425	2567.5	64QAM	4.4819	4.9115	PASS
B7	10	Low	20800	2505	QPSK	8.9683	9.8376	PASS
B7	10	Low	20800	2505	16QAM	8.9481	9.7401	PASS
B7	10	Low	20800	2505	64QAM	8.9600	9.7860	PASS
B7	10	Mid	21100	2535	QPSK	8.9555	9.7738	PASS
B7	10	Mid	21100	2535	16QAM	8.9369	9.7564	PASS
B7	10	Mid	21100	2535	64QAM	8.9579	9.8086	PASS
B7	10	High	21400	2565	QPSK	8.9660	9.7765	PASS
B7	10	High	21400	2565	16QAM	8.9376	9.7016	PASS
B7	10	High	21400	2565	64QAM	8.9565	9.7538	PASS
B7	15	Low	20825	2507.5	QPSK	13.443	14.466	PASS
B7	15	Low	20825	2507.5	16QAM	13.418	14.639	PASS
B7	15	Low	20825	2507.5	64QAM	13.434	14.549	PASS
B7	15	Mid	21100	2535	QPSK	13.470	14.494	PASS
B7	15	Mid	21100	2535	16QAM	13.427	14.588	PASS
B7	15	Mid	21100	2535	64QAM	13.429	14.573	PASS
B7	15	High	21375	2562.5	QPSK	13.477	14.623	PASS
B7	15	High	21375	2562.5	16QAM	13.425	14.504	PASS
B7	15	High	21375	2562.5	64QAM	13.439	14.420	PASS
B7	20	Low	20850	2510	QPSK	17.894	19.210	PASS
B7	20	Low	20850	2510	16QAM	17.907	19.372	PASS
B7	20	Low	20850	2510	64QAM	17.894	19.237	PASS
B7	20	Mid	21100	2535	QPSK	17.867	19.378	PASS
B7	20	Mid	21100	2535	16QAM	17.906	19.282	PASS
B7	20	Mid	21100	2535	64QAM	17.909	19.266	PASS
B7	20	High	21350	2560	QPSK	17.893	19.331	PASS
B7	20	High	21350	2560	16QAM	17.896	19.297	PASS
B7	20	High	21350	2560	64QAM	17.862	19.349	PASS



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LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B18	5	Low	23965	826.5	QPSK	4.4936	4.9569	PASS
B18	5	Low	23965	826.5	16QAM	4.4866	4.9182	PASS
B18	5	Low	23965	826.5	64QAM	4.4946	4.9349	PASS
B18	5	Mid	23970	827	QPSK	4.4933	4.9484	PASS
B18	5	Mid	23970	827	16QAM	4.4907	4.9765	PASS
B18	5	Mid	23970	827	64QAM	4.4995	4.9342	PASS
B18	5	High	23975	827.5	QPSK	4.4885	4.9890	PASS
B18	5	High	23975	827.5	16QAM	4.4871	4.9751	PASS
B18	5	High	23975	827.5	64QAM	4.5010	4.9672	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B38	5	Low	37775	2572.5	QPSK	4.4928	4.9724	PASS
B38	5	Low	37775	2572.5	16QAM	4.4883	4.8476	PASS
B38	5	Low	37775	2572.5	64QAM	4.4948	4.9199	PASS
B38	5	Mid	38000	2595	QPSK	4.4905	4.9433	PASS
B38	5	Mid	38000	2595	16QAM	4.4844	4.9252	PASS
B38	5	Mid	38000	2595	64QAM	4.5064	4.9405	PASS
B38	5	High	38225	2617.5	QPSK	4.4823	4.9819	PASS
B38	5	High	38225	2617.5	16QAM	4.4853	4.9455	PASS
B38	5	High	38225	2617.5	64QAM	4.4961	4.9177	PASS
B38	10	Low	37800	2575	QPSK	8.9735	9.6896	PASS
B38	10	Low	37800	2575	16QAM	8.9378	9.9012	PASS
B38	10	Low	37800	2575	64QAM	8.9498	9.7380	PASS
B38	10	Mid	38000	2595	QPSK	8.9407	9.7505	PASS
B38	10	Mid	38000	2595	16QAM	8.9479	9.9988	PASS
B38	10	Mid	38000	2595	64QAM	8.9432	9.7733	PASS
B38	10	High	38200	2615	QPSK	8.9448	9.6315	PASS
B38	10	High	38200	2615	16QAM	8.9452	9.9455	PASS
B38	10	High	38200	2615	64QAM	8.9361	9.8011	PASS
B38	15	Low	37825	2577.5	QPSK	13.439	14.429	PASS
B38	15	Low	37825	2577.5	16QAM	13.422	14.551	PASS
B38	15	Low	37825	2577.5	64QAM	13.402	13.995	PASS
B38	15	Mid	38000	2595	QPSK	13.423	14.489	PASS
B38	15	Mid	38000	2595	16QAM	13.405	14.520	PASS
B38	15	Mid	38000	2595	64QAM	13.414	14.565	PASS
B38	15	High	38175	2612.5	QPSK	13.398	14.596	PASS
B38	15	High	38175	2612.5	16QAM	13.441	14.584	PASS
B38	15	High	38175	2612.5	64QAM	13.416	14.607	PASS
B38	20	Low	37850	2580	QPSK	17.867	19.256	PASS
B38	20	Low	37850	2580	16QAM	17.873	20.846	PASS
B38	20	Low	37850	2580	64QAM	17.931	19.281	PASS
B38	20	Mid	38000	2595	QPSK	17.867	19.400	PASS
B38	20	Mid	38000	2595	16QAM	17.856	19.740	PASS
B38	20	Mid	38000	2595	64QAM	17.872	19.492	PASS



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B38	20	High	38150	2610	QPSK	17.912	19.276	PASS
B38	20	High	38150	2610	16QAM	17.876	19.162	PASS
B38	20	High	38150	2610	64QAM	17.921	19.297	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B40-1	5	Low	38725	2307.5	QPSK	4.4868	4.8903	PASS
B40-1	5	Low	38725	2307.5	16QAM	4.4894	4.9720	PASS
B40-1	5	Low	38725	2307.5	64QAM	4.4917	4.8784	PASS
B40-1	5	Mid	38750	2310	QPSK	4.4845	4.9924	PASS
B40-1	5	Mid	38750	2310	16QAM	4.4859	5.0341	PASS
B40-1	5	Mid	38750	2310	64QAM	4.4865	4.9041	PASS
B40-1	5	High	38775	2312.5	QPSK	4.4887	5.0414	PASS
B40-1	5	High	38775	2312.5	16QAM	4.4909	4.9487	PASS
B40-1	5	High	38775	2312.5	64QAM	4.4918	4.9491	PASS
B40-1	10	Mid	38750	2310	QPSK	8.9412	9.6959	PASS
B40-1	10	Mid	38750	2310	16QAM	8.9534	9.9634	PASS
B40-1	10	Mid	38750	2310	64QAM	8.9307	9.7376	PASS

LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B40-2	5	Low	39175	2352.5	QPSK	4.4882	4.9960	PASS
B40-2	5	Low	39175	2352.5	16QAM	4.4797	5.0040	PASS
B40-2	5	Low	39175	2352.5	64QAM	4.4993	4.9334	PASS
B40-2	5	Mid	39200	2355	QPSK	4.4920	5.0021	PASS
B40-2	5	Mid	39200	2355	16QAM	4.4982	4.8774	PASS
B40-2	5	Mid	39200	2355	64QAM	4.4969	4.9228	PASS
B40-2	5	High	39225	2357.5	QPSK	4.4875	4.9457	PASS
B40-2	5	High	39225	2357.5	16QAM	4.4801	4.9518	PASS
B40-2	5	High	39225	2357.5	64QAM	4.5017	4.8832	PASS
B40-2	10	Mid	39200	2355	QPSK	8.9559	9.8170	PASS
B40-2	10	Mid	39200	2355	16QAM	8.9436	9.6738	PASS
B40-2	10	Mid	39200	2355	64QAM	8.9666	9.7466	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B41	5	Low	39675	2498.5	QPSK	4.4917	4.9033	PASS
B41	5	Low	39675	2498.5	16QAM	4.4798	4.9604	PASS
B41	5	Low	39675	2498.5	64QAM	4.4862	4.8919	PASS
B41	5	Mid	40620	2593	QPSK	4.4908	4.9749	PASS
B41	5	Mid	40620	2593	16QAM	4.4836	4.9103	PASS
B41	5	Mid	40620	2593	64QAM	4.4830	4.9747	PASS
B41	5	High	41565	2687.5	QPSK	4.4933	4.9494	PASS
B41	5	High	41565	2687.5	16QAM	4.4902	4.9189	PASS
B41	5	High	41565	2687.5	64QAM	4.4752	4.9036	PASS
B41	10	Low	39700	2501	QPSK	8.9458	9.6608	PASS
B41	10	Low	39700	2501	16QAM	8.9445	10.1811	PASS
B41	10	Low	39700	2501	64QAM	8.9605	10.0030	PASS
B41	10	Mid	40620	2593	QPSK	8.9407	9.6825	PASS
B41	10	Mid	40620	2593	16QAM	8.9532	10.1863	PASS
B41	10	Mid	40620	2593	64QAM	8.9686	9.9509	PASS
B41	10	High	41540	2685	QPSK	8.9356	9.6759	PASS
B41	10	High	41540	2685	16QAM	8.9492	9.8619	PASS
B41	10	High	41540	2685	64QAM	8.9618	10.0629	PASS
B41	15	Low	39725	2503.5	QPSK	13.440	14.421	PASS
B41	15	Low	39725	2503.5	16QAM	13.427	14.567	PASS
B41	15	Low	39725	2503.5	64QAM	13.432	14.608	PASS
B41	15	Mid	40620	2593	QPSK	13.462	14.358	PASS
B41	15	Mid	40620	2593	16QAM	13.449	14.606	PASS
B41	15	Mid	40620	2593	64QAM	13.456	14.608	PASS
B41	15	High	41515	2682.5	QPSK	13.457	14.387	PASS
B41	15	High	41515	2682.5	16QAM	13.420	14.575	PASS
B41	15	High	41515	2682.5	64QAM	13.404	14.547	PASS
B41	20	Low	39750	2506	QPSK	17.894	19.225	PASS
B41	20	Low	39750	2506	16QAM	17.911	19.410	PASS
B41	20	Low	39750	2506	64QAM	17.912	19.406	PASS
B41	20	Mid	40620	2593	QPSK	17.901	19.330	PASS
B41	20	Mid	40620	2593	16QAM	17.943	19.993	PASS
B41	20	Mid	40620	2593	64QAM	17.877	19.274	PASS
B41	20	High	41490	2680	QPSK	17.878	19.117	PASS
B41	20	High	41490	2680	16QAM	17.905	20.030	PASS



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B41	20	High	41490	2680	64QAM	17.863	19.235	PASS
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B2 / 1.4MHz / QPSK / Low CH



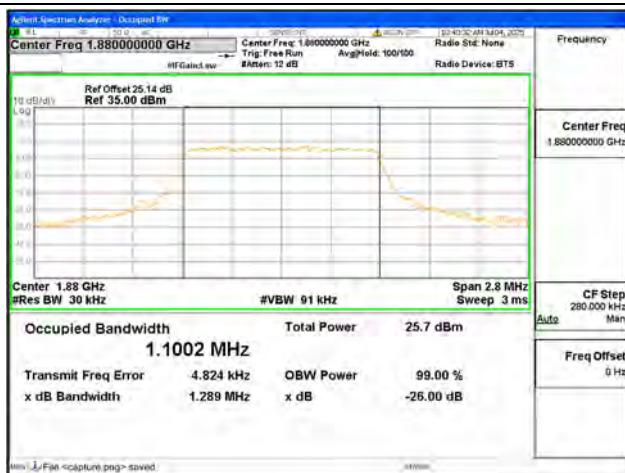
B2 / 1.4MHz / 16QAM / Low CH



B2 / 1.4MHz / 64QAM / Low CH



B2 / 1.4MHz / QPSK / Mid CH



B2 / 1.4MHz / 16QAM / Mid CH



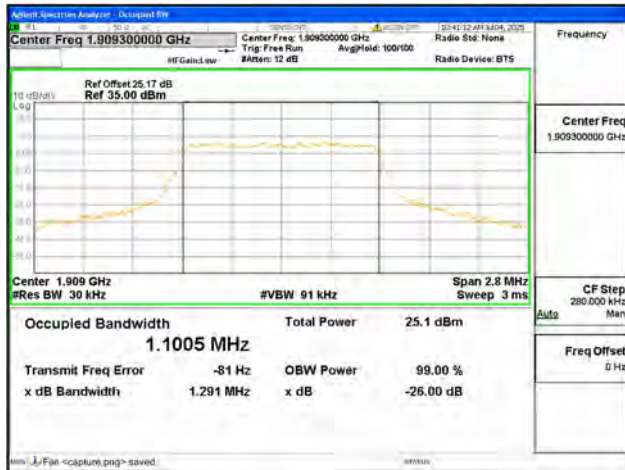
B2 / 1.4MHz / 64QAM / Mid CH



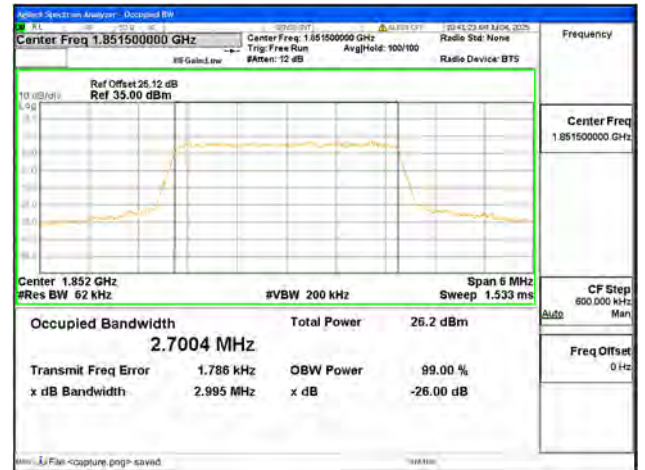
B2 / 1.4MHz / QPSK/ High CH



B2 / 1.4MHz / 16QAM/ High CH



B2 / 1.4MHz / 64QAM/ High CH



B2 / 3MHz / QPSK/ Low CH



B2 / 3MHz / 16QAM/ Low CH



B2 / 3MHz / 64QAM/ Low CH



B2 / 3MHz / QPSK/ Mid CH



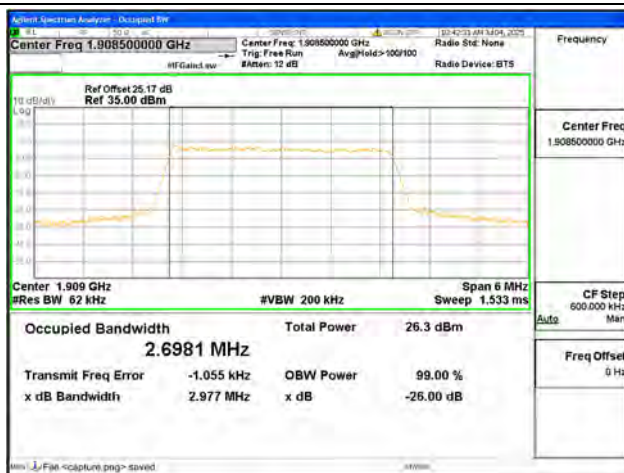
B2 / 3MHz / 16QAM/ Mid CH



B2 / 3MHz / 64QAM/ Mid CH



B2 / 3MHz / QPSK/ High CH



B2 / 3MHz / 16QAM/ High CH



B2 / 3MHz / 64QAM/ High CH



B2 / 5MHz / QPSK/ Low CH



B2 / 5MHz / 16QAM/ Low CH



B2 / 5MHz / 64QAM/ Low CH



B2 / 5MHz / QPSK/ Mid CH



B2 / 5MHz / 16QAM/ Mid CH



B2 / 5MHz / 64QAM/ Mid CH



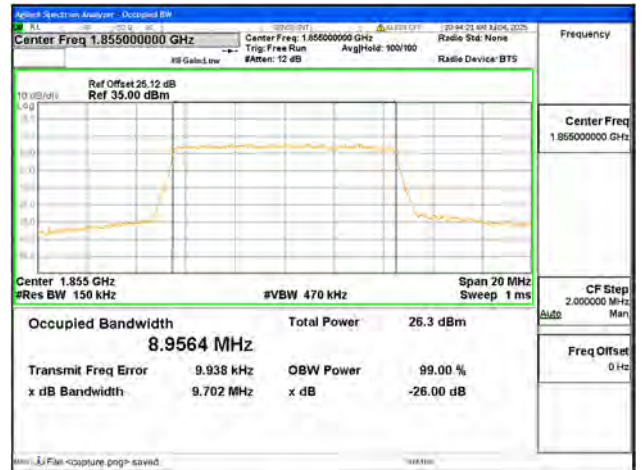
B2 / 5MHz / QPSK/ High CH



B2 / 5MHz / 16QAM/ High CH



B2 / 5MHz / 64QAM/ High CH



B2 / 10MHz / QPSK/ Low CH



B2 / 10MHz / 16QAM/ Low CH



B2 / 10MHz / 64QAM/ Low CH



B2 / 10MHz / QPSK/ Mid CH



B2 / 10MHz / 16QAM/ Mid CH



B2 / 10MHz / 64QAM/ Mid CH



B2 / 10MHz / QPSK/ High CH



B2 / 10MHz / 16QAM/ High CH



B2 / 10MHz / 64QAM/ High CH



B2 / 15MHz / QPSK/ Low CH



B2 / 15MHz / 16QAM/ Low CH



B2 / 15MHz / 64QAM/ Low CH



B2 / 15MHz / QPSK/ Mid CH



B2 / 15MHz / 16QAM/ Mid CH



B2 / 15MHz / 64QAM/ Mid CH



B2 / 15MHz / QPSK/ High CH



B2 / 15MHz / 16QAM/ High CH



B2 / 15MHz / 64QAM/ High CH



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B2 / 20MHz / 16QAM/ Low CH



B2 / 20MHz / 64QAM/ Low CH



B2 / 20MHz / QPSK/ Mid CH



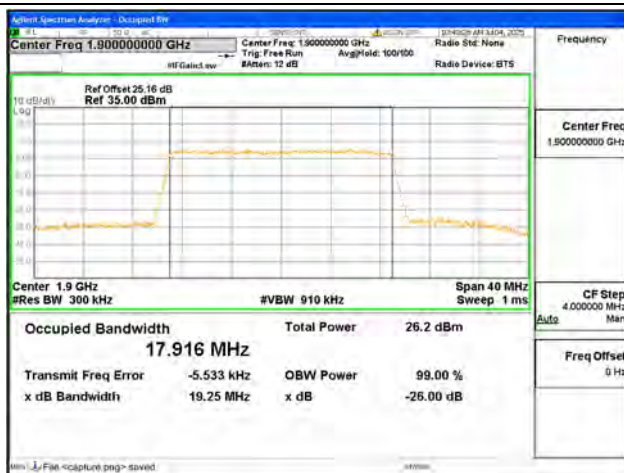
B2 / 20MHz / 16QAM/ Mid CH



B2 / 20MHz / 64QAM/ Mid CH



B2 / 20MHz / QPSK/ High CH



B2 / 20MHz / 16QAM/ High CH



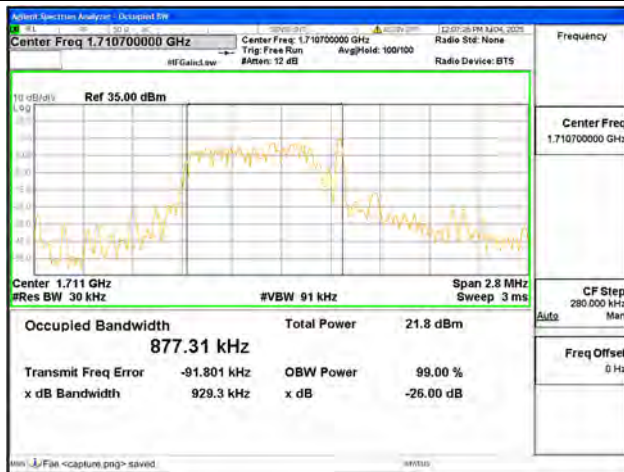
B2 / 20MHz / 64QAM/ High CH



B4 / 1.4MHz / QPSK/ Low CH



B4 / 1.4MHz / 16QAM/ Low CH



B4 / 1.4MHz / 64QAM/ Low CH



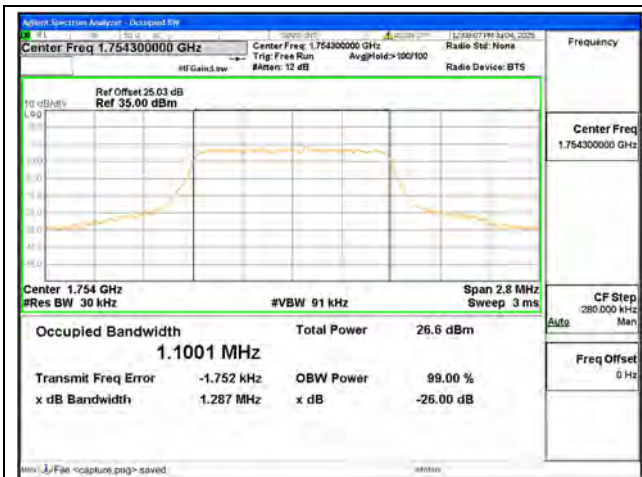
B4 / 1.4MHz / QPSK/ Mid CH



B4 / 1.4MHz / 16QAM/ Mid CH



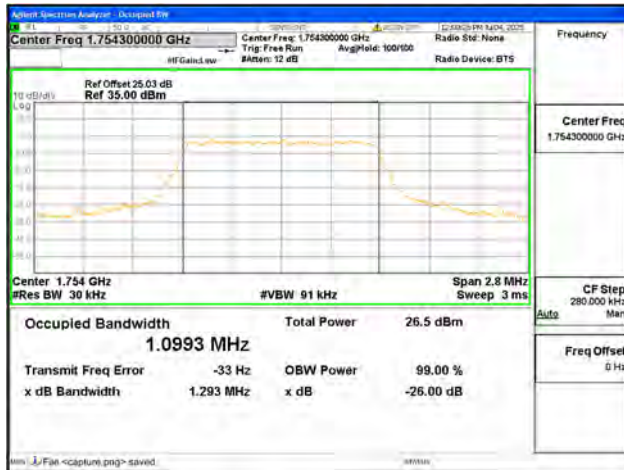
B4 / 1.4MHz / 64QAM/ Mid CH



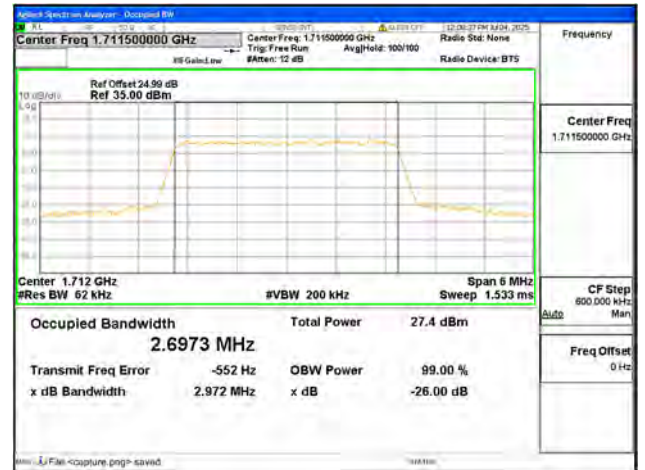
B4 / 1.4MHz / QPSK/ High CH



B4 / 1.4MHz / 16QAM/ High CH



B4 / 1.4MHz / 64QAM/ High CH



B4 / 3MHz / QPSK/ Low CH



B4 / 3MHz / 16QAM/ Low CH



B4 / 3MHz / 64QAM/ Low CH





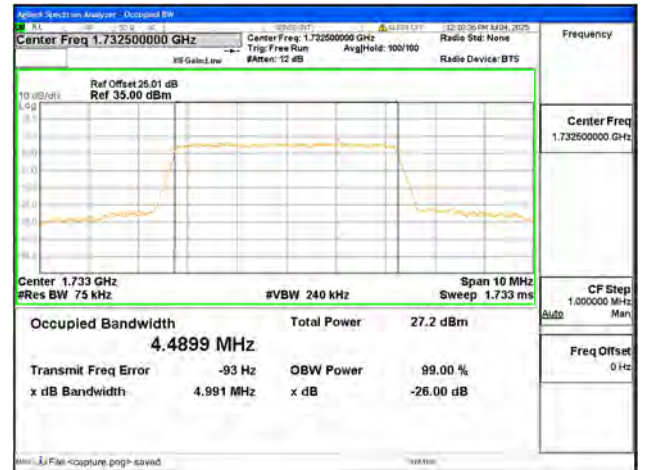
B4 / 5MHz / QPSK/ Low CH



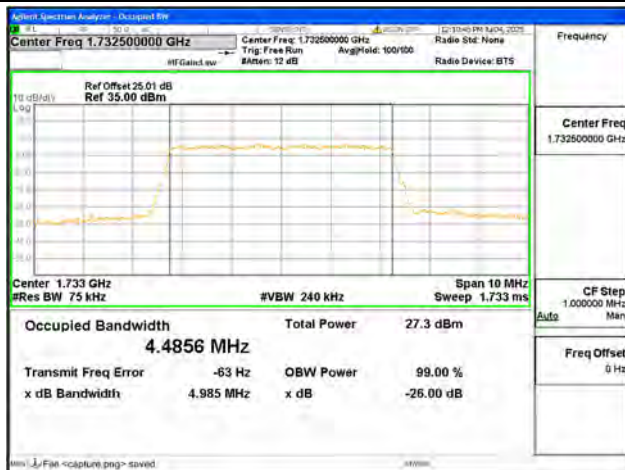
B4 / 5MHz / 16QAM/ Low CH



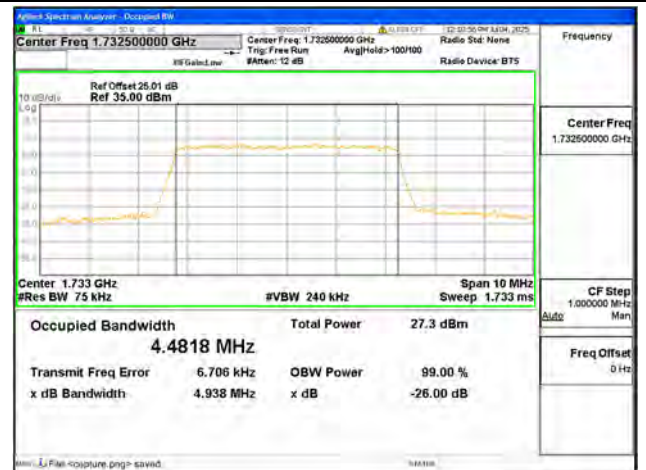
B4 / 5MHz / 64QAM/ Low CH



B4 / 5MHz / QPSK/ Mid CH



B4 / 5MHz / 16QAM/ Mid CH



B4 / 5MHz / 64QAM/ Mid CH



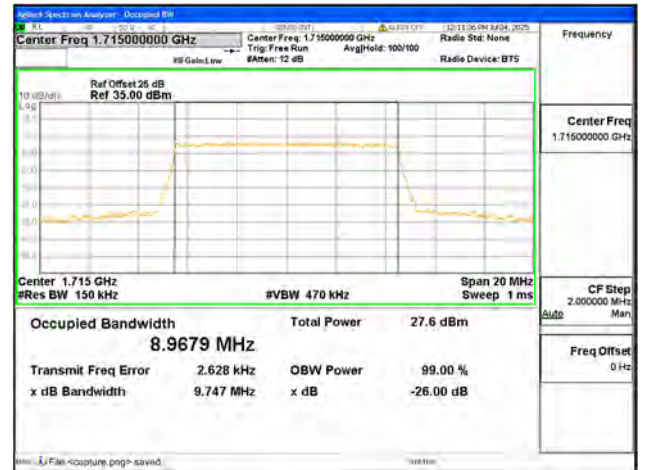
B4 / 5MHz / QPSK/ High CH



B4 / 5MHz / 16QAM/ High CH



B4 / 5MHz / 64QAM/ High CH



B4 / 10MHz / QPSK/ Low CH



B4 / 10MHz / 16QAM/ Low CH



B4 / 10MHz / 64QAM/ Low CH



B4 / 10MHz / QPSK/ Mid CH



B4 / 10MHz / 16QAM/ Mid CH



B4 / 10MHz / 64QAM/ Mid CH



B4 / 10MHz / QPSK/ High CH



B4 / 10MHz / 16QAM/ High CH



B4 / 10MHz / 64QAM/ High CH



B4 / 15MHz / QPSK/ Low CH



B4 / 15MHz / 16QAM/ Low CH



B4 / 15MHz / 64QAM/ Low CH



B4 / 15MHz / QPSK/ Mid CH



B4 / 15MHz / 16QAM/ Mid CH



B4 / 15MHz / 64QAM/ Mid CH



B4 / 15MHz / QPSK/ High CH



B4 / 15MHz / 16QAM/ High CH



B4 / 15MHz / 64QAM/ High CH



B4 / 20MHz / QPSK/ Low CH



B4 / 20MHz / 16QAM/ Low CH



B4 / 20MHz / 64QAM/ Low CH



B4 / 20MHz / QPSK/ Mid CH



B4 / 20MHz / 16QAM/ Mid CH



B4 / 20MHz / 64QAM/ Mid CH



B4 / 20MHz / QPSK/ High CH



B4 / 20MHz / 16QAM/ High CH



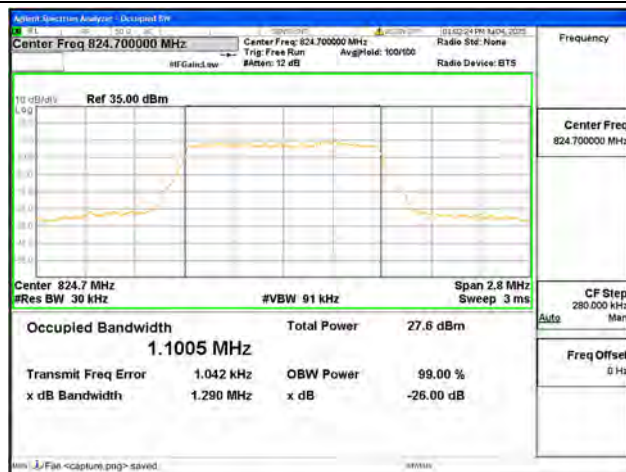
B4 / 20MHz / 64QAM/ High CH



B5 / 1.4MHz / QPSK/ Low CH



B5 / 1.4MHz / 16QAM/ Low CH



B5 / 1.4MHz / 64QAM/ Low CH



B5 / 1.4MHz / QPSK/ Mid CH



B5 / 1.4MHz / 16QAM/ Mid CH



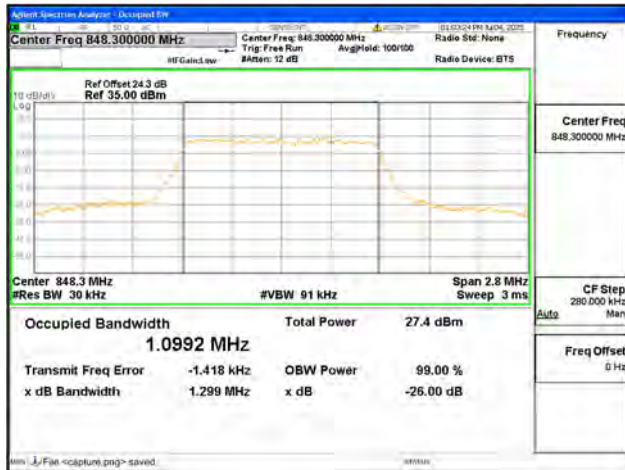
B5 / 1.4MHz / 64QAM/ Mid CH



B5 / 1.4MHz / QPSK/ High CH



B5 / 1.4MHz / 16QAM/ High CH



B5 / 1.4MHz / 64QAM/ High CH



B5 / 3MHz / QPSK/ Low CH



B5 / 3MHz / 16QAM/ Low CH



B5 / 3MHz / 64QAM/ Low CH



B5 / 3MHz / QPSK/ Mid CH



B5 / 3MHz / 16QAM/ Mid CH



B5 / 3MHz / 64QAM/ Mid CH



B5 / 3MHz / QPSK/ High CH



B5 / 3MHz / 16QAM/ High CH



B5 / 3MHz / 64QAM/ High CH



B5 / 5MHz / QPSK/ Low CH



B5 / 5MHz / 16QAM/ Low CH



B5 / 5MHz / 64QAM/ Low CH



B5 / 5MHz / QPSK/ Mid CH



B5 / 5MHz / 16QAM/ Mid CH



B5 / 5MHz / 64QAM/ Mid CH



B5 / 5MHz / QPSK/ High CH



B5 / 5MHz / 16QAM/ High CH



B5 / 5MHz / 64QAM/ High CH



B5 / 10MHz / QPSK/ Low CH



B5 / 10MHz / 16QAM/ Low CH



B5 / 10MHz / 64QAM/ Low CH



B5 / 10MHz / QPSK/ Mid CH



B5 / 10MHz / 16QAM/ Mid CH



B5 / 10MHz / 64QAM/ Mid CH



B5 / 10MHz / QPSK/ High CH



B5 / 10MHz / 16QAM/ High CH



B5 / 10MHz / 64QAM/ High CH



B7 / 5MHz / QPSK/ Low CH



B7 / 5MHz / 16QAM/ Low CH



B7 / 5MHz / 64QAM/ Low CH



B7 / 5MHz / QPSK/ Mid CH



B7 / 5MHz / 16QAM/ Mid CH



B7 / 5MHz / 64QAM/ Mid CH



B7 / 5MHz / QPSK/ High CH



B7 / 5MHz / 16QAM/ High CH



B7 / 5MHz / 64QAM/ High CH



B7 / 10MHz / QPSK/ Low CH



B7 / 10MHz / 16QAM/ Low CH



B7 / 10MHz / 64QAM/ Low CH



B7 / 10MHz / QPSK/ Mid CH



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B7 / 10MHz / 64QAM/ Mid CH



B7 / 10MHz / QPSK/ High CH



B7 / 10MHz / 16QAM/ High CH



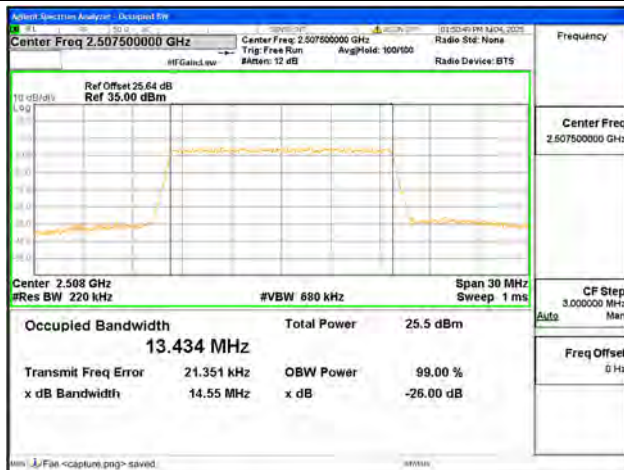
B7 / 10MHz / 64QAM/ High CH



B7 / 15MHz / QPSK/ Low CH



B7 / 15MHz / 16QAM/ Low CH



B7 / 15MHz / 64QAM/ Low CH



B7 / 15MHz / QPSK/ Mid CH



B7 / 15MHz / 16QAM/ Mid CH



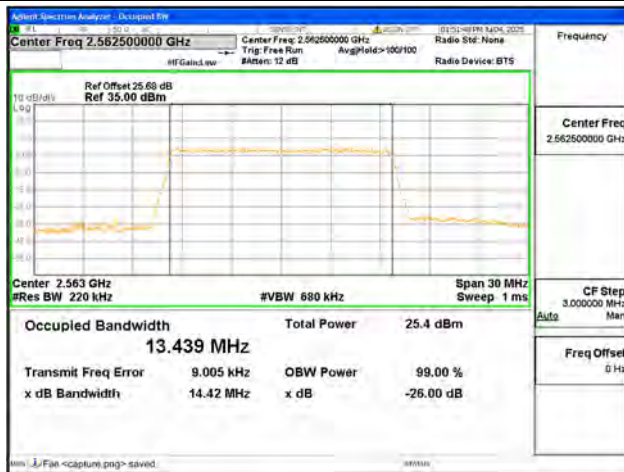
B7 / 15MHz / 64QAM/ Mid CH



B7 / 15MHz / QPSK/ High CH



B7 / 15MHz / 16QAM/ High CH



B7 / 15MHz / 64QAM/ High CH



B7 / 20MHz / QPSK/ Low CH



B7 / 20MHz / 16QAM/ Low CH



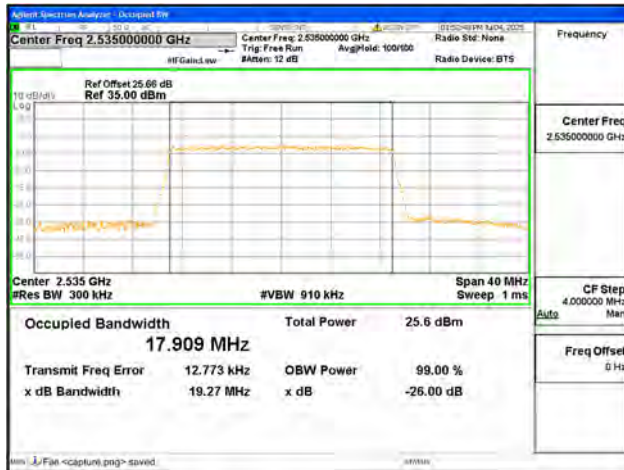
B7 / 20MHz / 64QAM/ Low CH



B7 / 20MHz / QPSK/ Mid CH



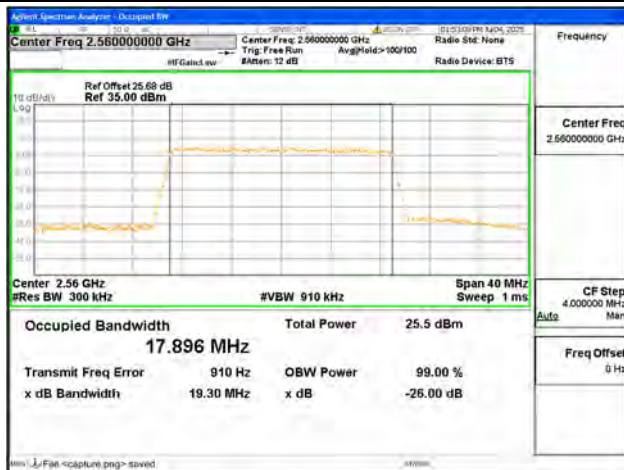
B7 / 20MHz / 16QAM/ Mid CH



B7 / 20MHz / 64QAM/ Mid CH



B7 / 20MHz / QPSK/ High CH



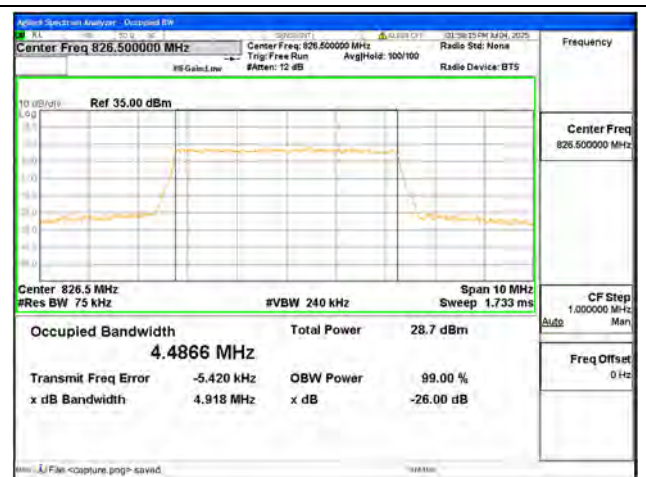
B7 / 20MHz / 16QAM/ High CH



B7 / 20MHz / 64QAM/ High CH



B18 / 5MHz / QPSK/ Low CH



B18 / 5MHz / 16QAM/ Low CH



B18 / 5MHz / 64QAM/ Low CH



B18 / 5MHz / QPSK/ Mid CH



B18 / 5MHz / 16QAM/ Mid CH



B18 / 5MHz / 64QAM/ Mid CH



B18 / 5MHz / QPSK/ High CH



B18 / 5MHz / 16QAM/ High CH



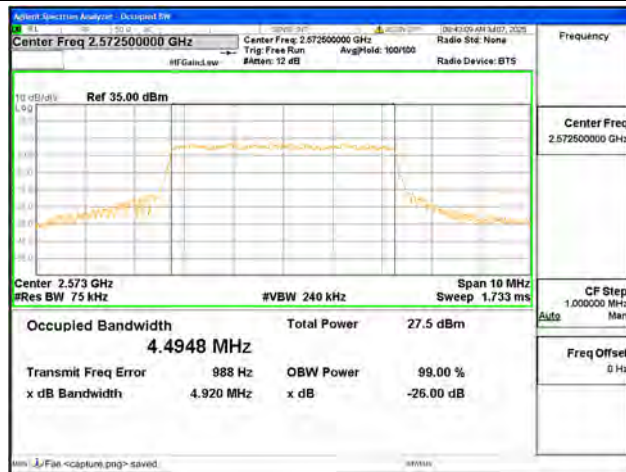
B18 / 5MHz / 64QAM/ High CH



B38 / 5MHz / QPSK/ Low CH



B38 / 5MHz / 16QAM/ Low CH



B38 / 5MHz / 64QAM/ Low CH



B38 / 5MHz / QPSK/ Mid CH



B38 / 5MHz / 16QAM/ Mid CH



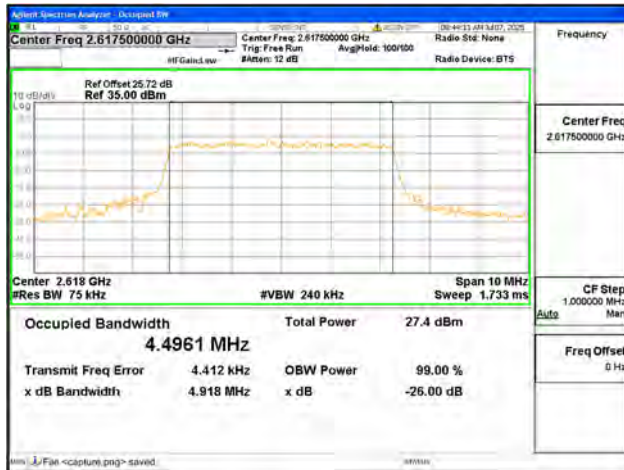
B38 / 5MHz / 64QAM/ Mid CH



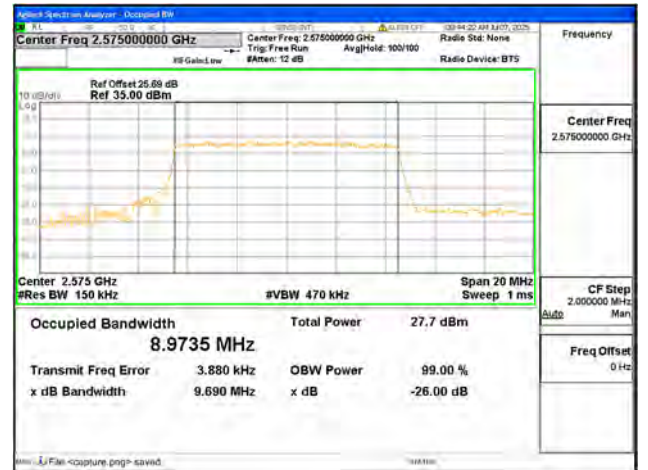
B38 / 5MHz / QPSK/ High CH



B38 / 5MHz / 16QAM/ High CH



B38 / 5MHz / 64QAM/ High CH



B38 / 10MHz / QPSK/ Low CH



B38 / 10MHz / 16QAM/ Low CH



B38 / 10MHz / 64QAM/ Low CH



B38 / 10MHz / QPSK/ Mid CH



B38 / 10MHz / 16QAM/ Mid CH



B38 / 10MHz / 64QAM/ Mid CH



B38 / 10MHz / QPSK/ High CH



B38 / 10MHz / 16QAM/ High CH



B38 / 10MHz / 64QAM/ High CH







B38 / 20MHz / QPSK/ Mid CH



B38 / 20MHz / 16QAM/ Mid CH



B38 / 20MHz / 64QAM/ Mid CH



B38 / 20MHz / QPSK/ High CH



B38 / 20MHz / 16QAM/ High CH



B38 / 20MHz / 64QAM/ High CH



B40-1 / 5MHz / QPSK/ Low CH



B40-1 / 5MHz / 16QAM/ Low CH



B40-1 / 5MHz / 64QAM/ Low CH



B40-1 / 5MHz / QPSK/ Mid CH



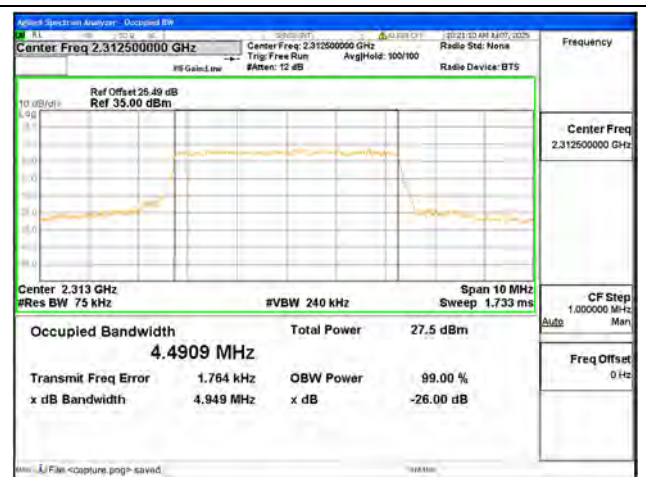
B40-1 / 5MHz / 16QAM/ Mid CH



B40-1 / 5MHz / 64QAM/ Mid CH



B40-1 / 5MHz / QPSK/ High CH



B40-1 / 5MHz / 16QAM/ High CH



B40-1 / 5MHz / 64QAM/ High CH



B40-1 / 10MHz / QPSK/ Mid CH



B40-1 / 10MHz / 16QAM/ Mid CH



B40-1 / 10MHz / 64QAM/ Mid CH



B40-2 / 5MHz / QPSK/ Low CH



B40-2 / 5MHz / 16QAM/ Low CH



B40-2 / 5MHz / 64QAM/ Low CH



B40-2 / 5MHz / QPSK/ Mid CH



B40-2 / 5MHz / 16QAM/ Mid CH



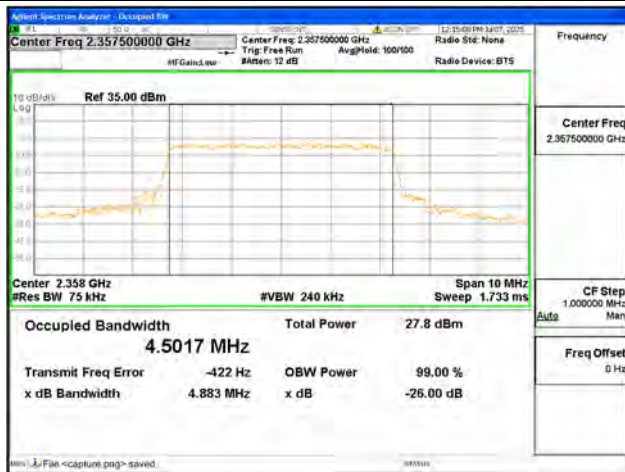
B40-2 / 5MHz / 64QAM/ Mid CH



B40-2 / 5MHz / QPSK/ High CH



B40-2 / 5MHz / 16QAM/ High CH



B40-2 / 5MHz / 64QAM/ High CH



B40-2 / 10MHz / QPSK/ Mid CH



B40-2 / 10MHz / 16QAM/ Mid CH



B40-2 / 10MHz / 64QAM/ Mid CH



B41 / 5MHz / QPSK/ Low CH



B41 / 5MHz / 16QAM/ Low CH



B41 / 5MHz / 64QAM/ Low CH



B41 / 5MHz / QPSK/ Mid CH



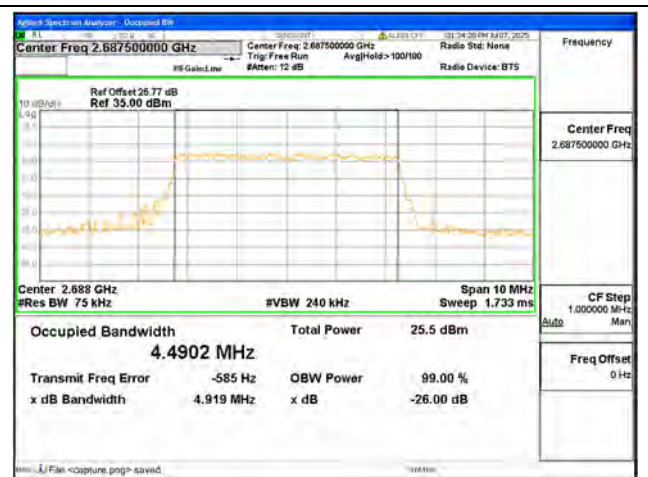
B41 / 5MHz / 16QAM/ Mid CH



B41 / 5MHz / 64QAM/ Mid CH



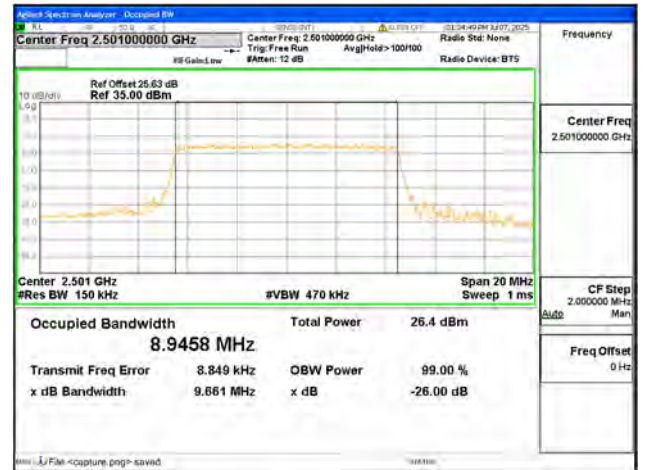
B41 / 5MHz / QPSK/ High CH



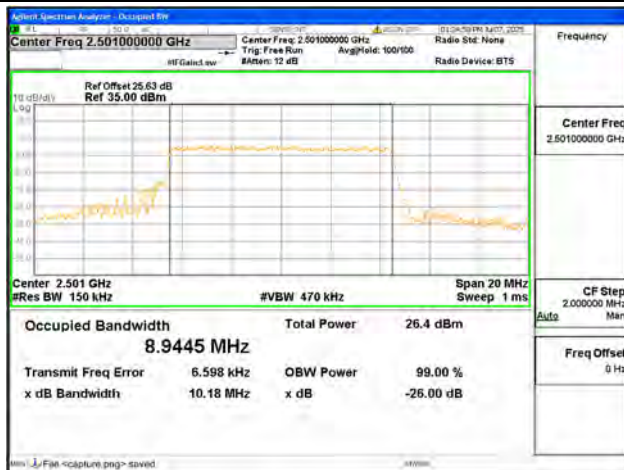
B41 / 5MHz / 16QAM/ High CH



B41 / 5MHz / 64QAM/ High CH



B41 / 10MHz / QPSK/ Low CH



B41 / 10MHz / 16QAM/ Low CH



B41 / 10MHz / 64QAM/ Low CH



B41 / 10MHz / QPSK/ Mid CH



B41 / 10MHz / 16QAM/ Mid CH



B41 / 10MHz / 64QAM/ Mid CH



B41 / 10MHz / QPSK/ High CH



B41 / 10MHz / 16QAM/ High CH



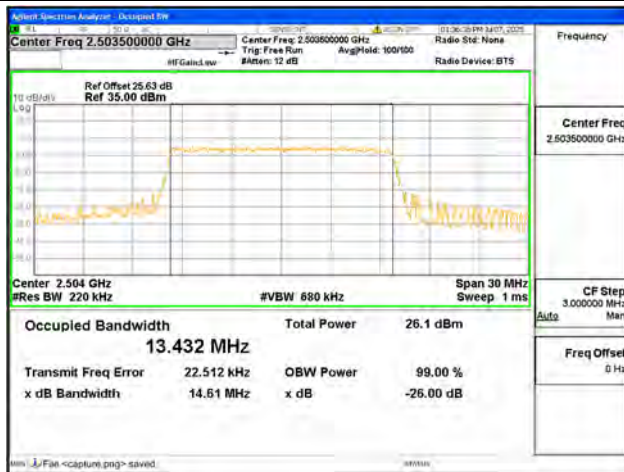
B41 / 10MHz / 64QAM/ High CH



B41 / 15MHz / QPSK/ Low CH



B41 / 15MHz / 16QAM/ Low CH



B41 / 15MHz / 64QAM/ Low CH



B41 / 15MHz / QPSK/ Mid CH



B41 / 15MHz / 16QAM/ Mid CH



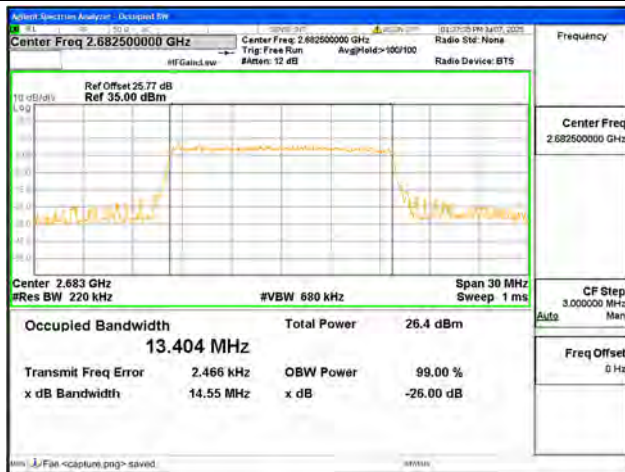
B41 / 15MHz / 64QAM/ Mid CH



B41 / 15MHz / QPSK/ High CH



B41 / 15MHz / 16QAM/ High CH



B41 / 15MHz / 64QAM/ High CH



B41 / 20MHz / QPSK/ Low CH



B41 / 20MHz / 16QAM/ Low CH



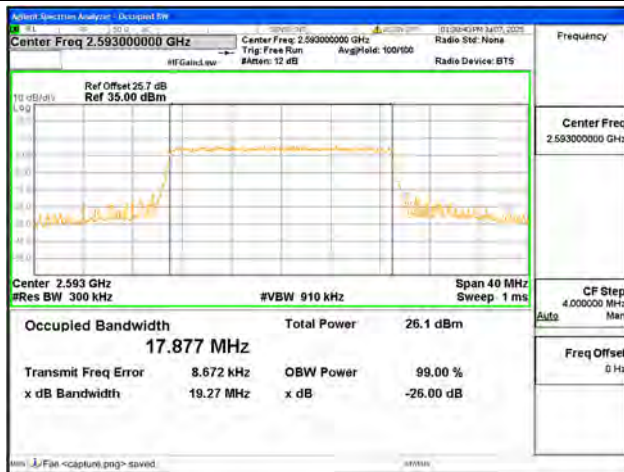
B41 / 20MHz / 64QAM/ Low CH



B41 / 20MHz / QPSK/ Mid CH



B41 / 20MHz / 16QAM/ Mid CH



B41 / 20MHz / 64QAM/ Mid CH



B41 / 20MHz / QPSK/ High CH



B41 / 20MHz / 16QAM/ High CH



B41 / 20MHz / 64QAM/ High CH

2.3. Frequency Stability

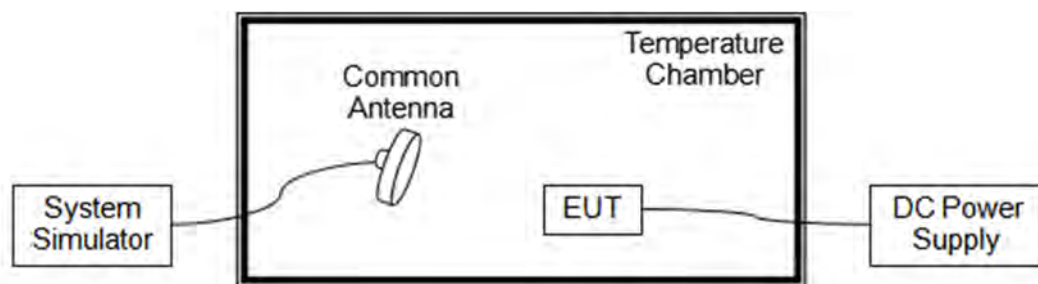
2.3.1. Requirement

According to FCC section 2.1055, 24.235, 27.54, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from -30°C to $+50^{\circ}\text{C}$ at intervals of not more than 10°C .
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

Note: The operating temperature of EUT is from 0°C to 40°C , which are specified by the applicant.

2.3.2. Test Description



The EUT which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

2.3.3. Test Procedure

KDB 971168 D01v03 Section 9.0 and ANSI/TIA-603-E-2016.

**2.3.4. Test Result**

The nominal, highest and lowest extreme voltages are separately 3.87V, 4.45V and 3.65V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, 64QAM, Channel 18900, Frequency 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	19	0.010	PASS
Normal		0	20	0.011	
Normal		+10	14	0.007	
Normal		+20	-1	-0.001	
Normal		+30	14	0.007	
Normal		+40	18	0.010	
High	4.45	+20	-17	-0.009	
BATT.ENDPOINT	3.65	+20	-10	-0.005	

LTE Band 4, 64QAM, Channel 20175, Frequency 1732.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-19	-0.011	PASS
Normal		0	-3	-0.002	
Normal		+10	13	0.008	
Normal		+20	18	0.010	
Normal		+30	-2	-0.001	
Normal		+40	13	0.008	
High	4.45	+20	13	0.008	
BATT.ENDPOINT	3.65	+20	15	0.009	



LTE Band 5, 64QAM, Channel 20525, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	14	0.017	PASS
Normal		0	14	0.017	
Normal		+10	-15	-0.018	
Normal		+20	-19	-0.023	
Normal		+30	13	0.016	
Normal		+40	0	0.000	
High	4.45	+20	13	0.016	
BATT.ENDPOINT	3.65	+20	2	0.002	

LTE Band 7, 64QAM, Channel 21100, Frequency 2535.0MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	20	0.008	PASS
Normal		0	8	0.003	
Normal		+10	13	0.005	
Normal		+20	13	0.005	
Normal		+30	13	0.005	
Normal		+40	6	0.002	
High	4.45	+20	18	0.007	
BATT.ENDPOINT	3.65	+20	-17	-0.007	



LTE Band 18, 64QAM, Channel 23970, Frequency 827.0MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	21	0.025	PASS
Normal		0	10	0.012	
Normal		+10	19	0.023	
Normal		+20	15	0.018	
Normal		+30	14	0.017	
Normal		+40	16	0.019	
High	4.45	+20	19	0.023	
BATT.ENDPOINT	3.65	+20	-17	-0.021	

LTE Band 38, 64QAM, Channel 38000, Frequency 2595MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	14	0.005	PASS
Normal		0	-13	-0.005	
Normal		+10	-20	-0.008	
Normal		+20	20	0.008	
Normal		+30	-2	-0.001	
Normal		+40	13	0.005	
High	4.45	+20	9	0.003	
BATT.ENDPOINT	3.00	+20	19	0.007	



LTE Band 40, Block A, QPSK, Channel 38750, Frequency 2310MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	14	0.006	PASS
Normal		0	14	0.006	
Normal		+10	13	0.006	
Normal		+20	-4	-0.002	
Normal		+30	16	0.007	
Normal		+40	13	0.006	
High	4.45	+20	-13	-0.006	
BATT.ENDPOINT	3.65	+20	3	0.001	

LTE Band 40 Block B, QPSK, Channel 39200, Frequency 2355MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	14	0.006	PASS
Normal		0	17	0.007	
Normal		+10	19	0.008	
Normal		+20	17	0.007	
Normal		+30	18	0.008	
Normal		+40	-17	-0.007	
High	4.45	+20	-17	-0.007	
BATT.ENDPOINT	3.65	+20	-12	-0.005	



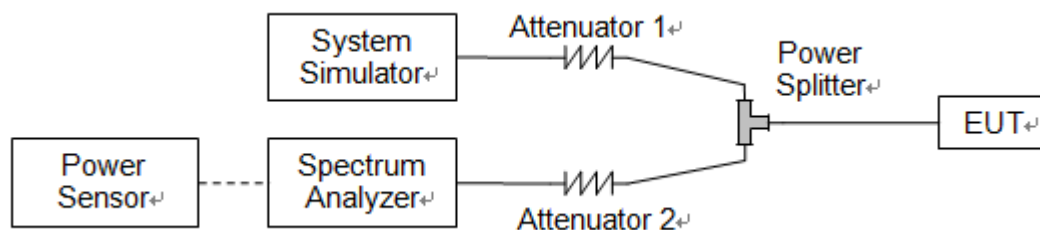
LTE Band 41, 64QAM, Channel 40620, Frequency 2593MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-12	-0.005	PASS
Normal		0	16	0.006	
Normal		+10	15	0.006	
Normal		+20	-22	-0.008	
Normal		+30	17	0.007	
Normal		+40	9	0.003	
High	4.45	+20	17	0.007	
BATT.ENDPOINT	3.65	+20	18	0.007	

2.4. Peak to Average Ratio

2.4.1. Requirement

According to FCC section 24.232(d), 27.50(d) and 27.50(j)(4), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

2.4.2. 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.

2.4.3. Test Procedure

KDB 971168 D01v03 Section 5.7 and ANSI/TIA-603-E-2016.

2.4.4. Test Result

Record the maximum PAPR level associated with a probability of 0.1%.



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	Peak to Average Radio(dB)	Verdict
B2	1.4	Low	18607	1850.7	QPSK	5.78	PASS
B2	1.4	Low	18607	1850.7	16QAM	6.52	PASS
B2	1.4	Low	18607	1850.7	64QAM	6.42	PASS
B2	1.4	Mid	18900	1880	QPSK	6.02	PASS
B2	1.4	Mid	18900	1880	16QAM	6.57	PASS
B2	1.4	Mid	18900	1880	64QAM	6.58	PASS
B2	1.4	High	19193	1909.3	QPSK	6.07	PASS
B2	1.4	High	19193	1909.3	16QAM	6.48	PASS
B2	1.4	High	19193	1909.3	64QAM	6.33	PASS
B2	3	Low	18615	1851.5	QPSK	5.94	PASS
B2	3	Low	18615	1851.5	16QAM	6.55	PASS
B2	3	Low	18615	1851.5	64QAM	6.40	PASS
B2	3	Mid	18900	1880	QPSK	6.03	PASS
B2	3	Mid	18900	1880	16QAM	6.63	PASS
B2	3	Mid	18900	1880	64QAM	6.55	PASS
B2	3	High	19185	1908.5	QPSK	5.83	PASS
B2	3	High	19185	1908.5	16QAM	6.52	PASS
B2	3	High	19185	1908.5	64QAM	6.36	PASS
B2	5	Low	18625	1852.5	QPSK	5.85	PASS
B2	5	Low	18625	1852.5	16QAM	6.41	PASS
B2	5	Low	18625	1852.5	64QAM	6.38	PASS
B2	5	Mid	18900	1880	QPSK	5.87	PASS
B2	5	Mid	18900	1880	16QAM	6.52	PASS
B2	5	Mid	18900	1880	64QAM	6.46	PASS
B2	5	High	19175	1907.5	QPSK	5.83	PASS
B2	5	High	19175	1907.5	16QAM	6.42	PASS
B2	5	High	19175	1907.5	64QAM	6.38	PASS
B2	10	Low	18650	1855	QPSK	5.81	PASS
B2	10	Low	18650	1855	16QAM	6.32	PASS
B2	10	Low	18650	1855	64QAM	6.34	PASS
B2	10	Mid	18900	1880	QPSK	5.72	PASS
B2	10	Mid	18900	1880	16QAM	6.31	PASS
B2	10	Mid	18900	1880	64QAM	6.54	PASS
B2	10	High	19150	1905	QPSK	5.62	PASS
B2	10	High	19150	1905	16QAM	6.28	PASS



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B2	10	High	19150	1905	64QAM	6.38	PASS
B2	15	Low	18675	1857.5	QPSK	5.71	PASS
B2	15	Low	18675	1857.5	16QAM	6.27	PASS
B2	15	Low	18675	1857.5	64QAM	6.24	PASS
B2	15	Mid	18900	1880	QPSK	5.83	PASS
B2	15	Mid	18900	1880	16QAM	6.25	PASS
B2	15	Mid	18900	1880	64QAM	6.30	PASS
B2	15	High	19125	1902.5	QPSK	5.60	PASS
B2	15	High	19125	1902.5	16QAM	6.28	PASS
B2	15	High	19125	1902.5	64QAM	6.22	PASS
B2	20	Low	18700	1860	QPSK	5.60	PASS
B2	20	Low	18700	1860	16QAM	6.33	PASS
B2	20	Low	18700	1860	64QAM	6.27	PASS
B2	20	Mid	18900	1880	QPSK	5.64	PASS
B2	20	Mid	18900	1880	16QAM	6.40	PASS
B2	20	Mid	18900	1880	64QAM	6.40	PASS
B2	20	High	19100	1900	QPSK	5.69	PASS
B2	20	High	19100	1900	16QAM	6.32	PASS
B2	20	High	19100	1900	64QAM	6.36	PASS
B4	1.4	Low	19957	1710.7	QPSK	5.80	PASS
B4	1.4	Low	19957	1710.7	16QAM	6.12	PASS
B4	1.4	Low	19957	1710.7	64QAM	6.55	PASS
B4	1.4	Mid	20175	1732.5	QPSK	5.87	PASS
B4	1.4	Mid	20175	1732.5	16QAM	6.27	PASS
B4	1.4	Mid	20175	1732.5	64QAM	6.63	PASS
B4	1.4	High	20393	1754.3	QPSK	5.87	PASS
B4	1.4	High	20393	1754.3	16QAM	6.36	PASS
B4	1.4	High	20393	1754.3	64QAM	6.71	PASS
B4	3	Low	19965	1711.5	QPSK	5.68	PASS
B4	3	Low	19965	1711.5	16QAM	6.15	PASS
B4	3	Low	19965	1711.5	64QAM	6.46	PASS
B4	3	Mid	20175	1732.5	QPSK	5.87	PASS
B4	3	Mid	20175	1732.5	16QAM	6.33	PASS
B4	3	Mid	20175	1732.5	64QAM	6.56	PASS
B4	3	High	20385	1753.5	QPSK	5.89	PASS
B4	3	High	20385	1753.5	16QAM	6.41	PASS
B4	3	High	20385	1753.5	64QAM	6.64	PASS
B4	5	Low	19975	1712.5	QPSK	5.69	PASS



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B4	5	Low	19975	1712.5	16QAM	6.13	PASS
B4	5	Low	19975	1712.5	64QAM	6.45	PASS
B4	5	Mid	20175	1732.5	QPSK	5.77	PASS
B4	5	Mid	20175	1732.5	16QAM	6.26	PASS
B4	5	Mid	20175	1732.5	64QAM	6.60	PASS
B4	5	High	20375	1752.5	QPSK	5.81	PASS
B4	5	High	20375	1752.5	16QAM	6.29	PASS
B4	5	High	20375	1752.5	64QAM	6.57	PASS
B4	10	Low	20000	1715	QPSK	5.62	PASS
B4	10	Low	20000	1715	16QAM	6.12	PASS
B4	10	Low	20000	1715	64QAM	6.38	PASS
B4	10	Mid	20175	1732.5	QPSK	5.75	PASS
B4	10	Mid	20175	1732.5	16QAM	6.18	PASS
B4	10	Mid	20175	1732.5	64QAM	6.50	PASS
B4	10	High	20350	1750	QPSK	5.72	PASS
B4	10	High	20350	1750	16QAM	6.22	PASS
B4	10	High	20350	1750	64QAM	6.50	PASS
B4	15	Low	20025	1717.5	QPSK	5.59	PASS
B4	15	Low	20025	1717.5	16QAM	6.05	PASS
B4	15	Low	20025	1717.5	64QAM	6.45	PASS
B4	15	Mid	20175	1732.5	QPSK	5.67	PASS
B4	15	Mid	20175	1732.5	16QAM	6.10	PASS
B4	15	Mid	20175	1732.5	64QAM	6.46	PASS
B4	15	High	20325	1747.5	QPSK	5.76	PASS
B4	15	High	20325	1747.5	16QAM	6.26	PASS
B4	15	High	20325	1747.5	64QAM	6.46	PASS
B4	20	Low	20050	1720	QPSK	5.66	PASS
B4	20	Low	20050	1720	16QAM	6.30	PASS
B4	20	Low	20050	1720	64QAM	6.48	PASS
B4	20	Mid	20175	1732.5	QPSK	5.61	PASS
B4	20	Mid	20175	1732.5	16QAM	6.20	PASS
B4	20	Mid	20175	1732.5	64QAM	6.49	PASS
B4	20	High	20300	1745	QPSK	5.64	PASS
B4	20	High	20300	1745	16QAM	6.21	PASS
B4	20	High	20300	1745	64QAM	6.44	PASS



B2 / 1.4MHz / Low CH / QPSK



B2 / 1.4MHz / Low CH / 16QAM



B2 / 1.4MHz / Low CH / 64QAM



B2 / 1.4MHz / Mid CH / QPSK



B2 / 1.4MHz / Mid CH / 16QAM



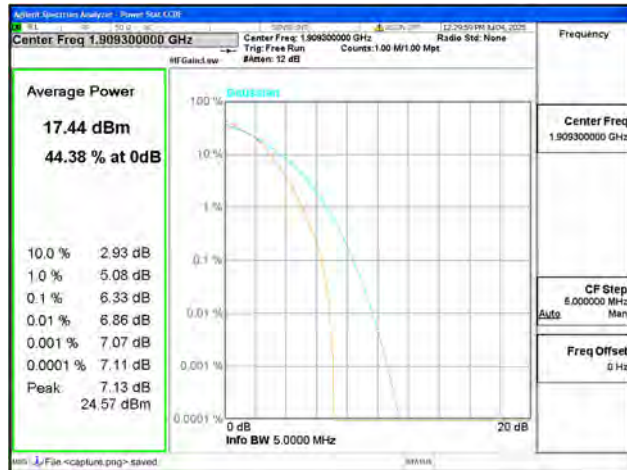
B2 / 1.4MHz / Mid CH / 64QAM



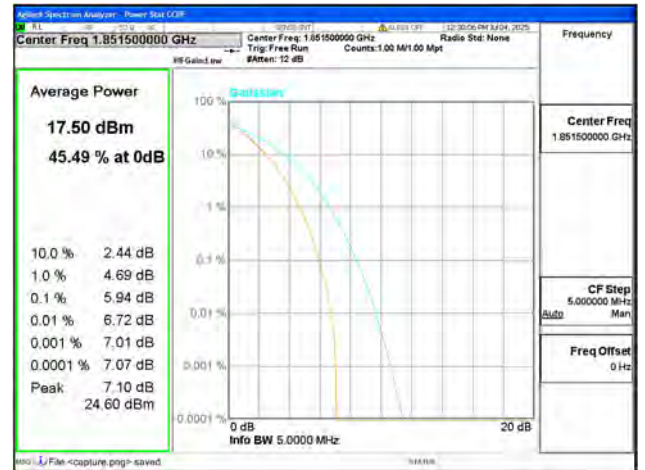
B2 / 1.4MHz / High CH / QPSK



B2 / 1.4MHz / High CH / 16QAM



B2 / 1.4MHz / High CH / 64QAM



B2 / 3MHz / Low CH / QPSK



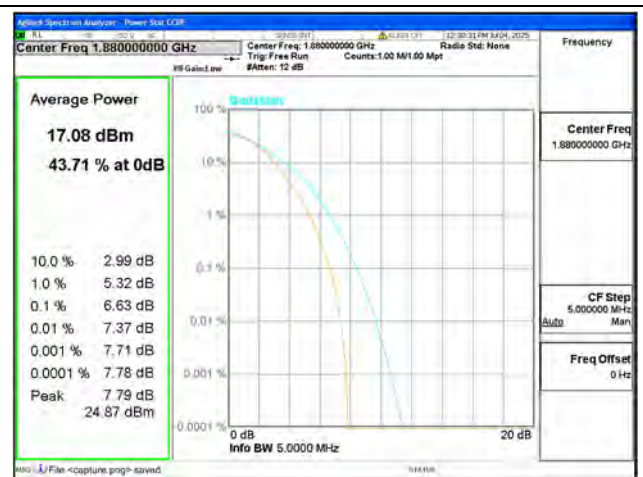
B2 / 3MHz / Low CH / 16QAM



B2 / 3MHz / Low CH / 64QAM



B2 / 3MHz / Mid CH / QPSK



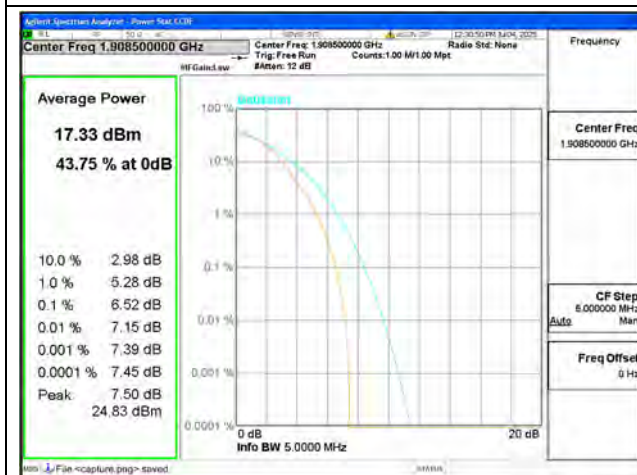
B2 / 3MHz / Mid CH / 16QAM



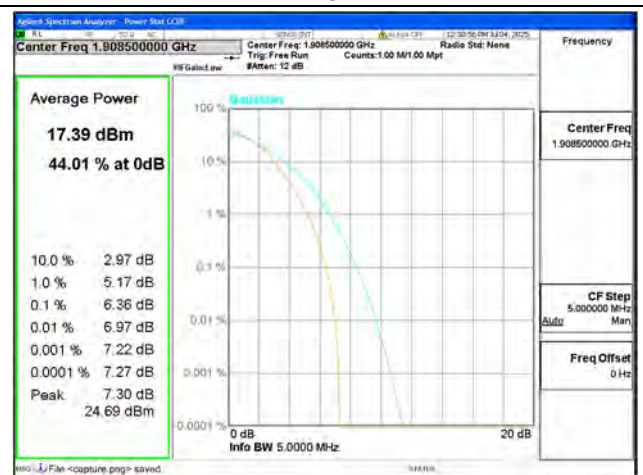
B2 / 3MHz / Mid CH / 64QAM



B2 / 3MHz / High CH / QPSK



B2 / 3MHz / High CH / 16QAM



B2 / 3MHz / High CH / 64QAM



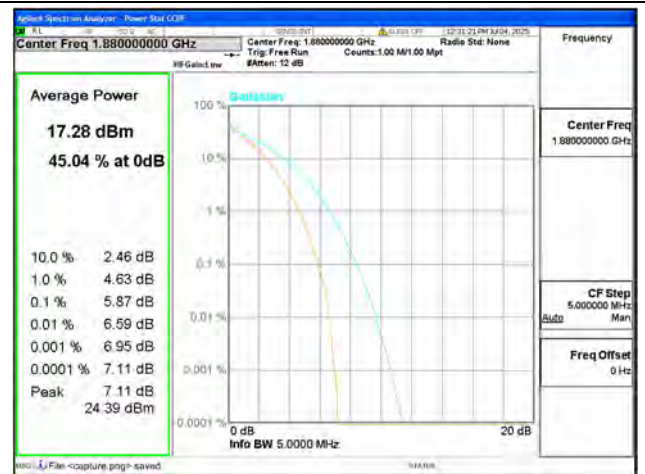
B2 / 5MHz / Low CH / QPSK



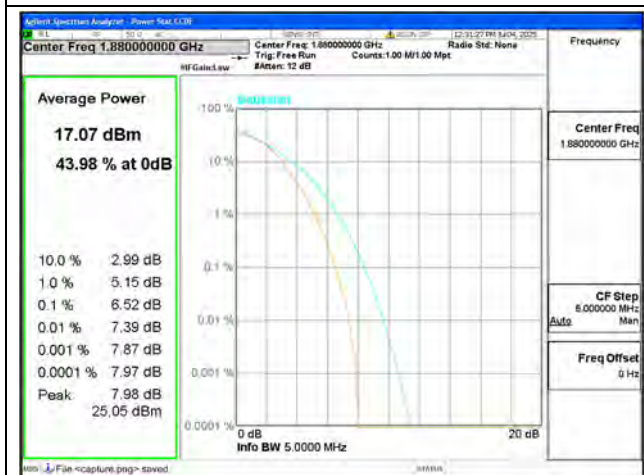
B2 / 5MHz / Low CH / 16QAM



B2 / 5MHz / Low CH / 64QAM



B2 / 5MHz / Mid CH / QPSK



B2 / 5MHz / Mid CH / 16QAM



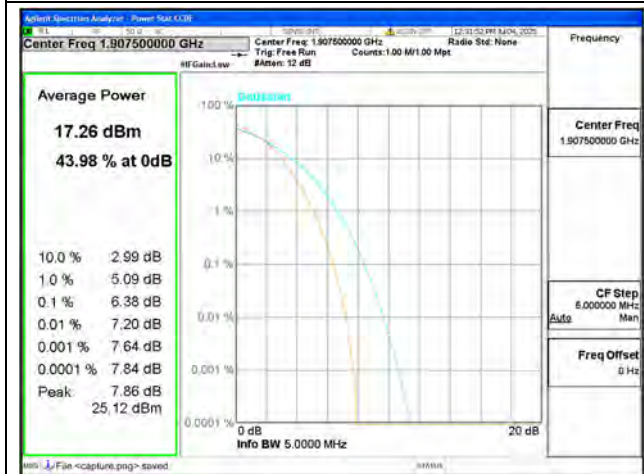
B2 / 5MHz / Mid CH / 64QAM



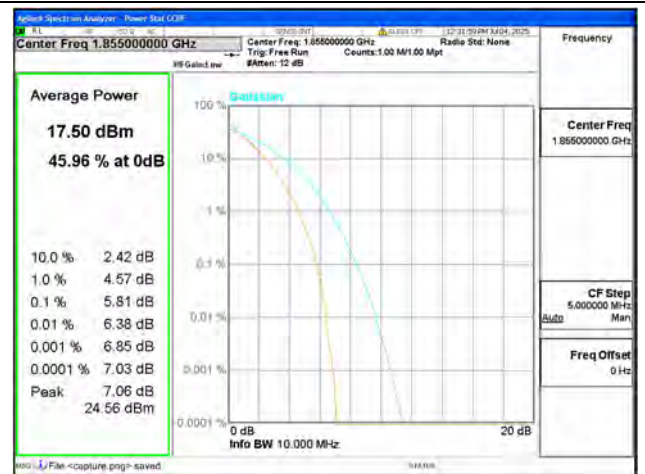
B2 / 5MHz / High CH / QPSK



B2 / 5MHz / High CH / 16QAM



B2 / 5MHz / High CH / 64QAM



B2 / 10MHz / Low CH / QPSK



B2 / 10MHz / Low CH / 16QAM



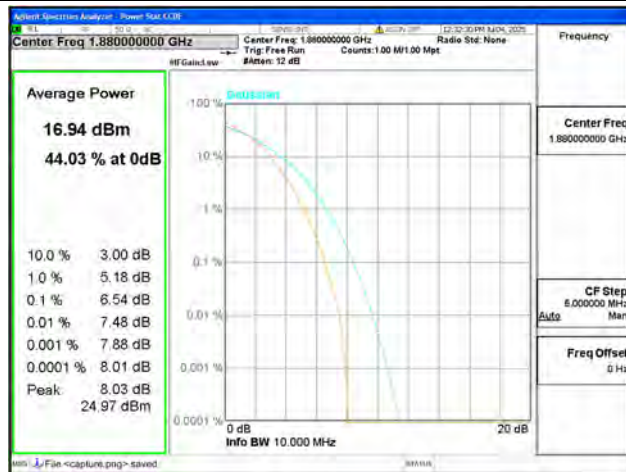
B2 / 10MHz / Low CH / 64QAM



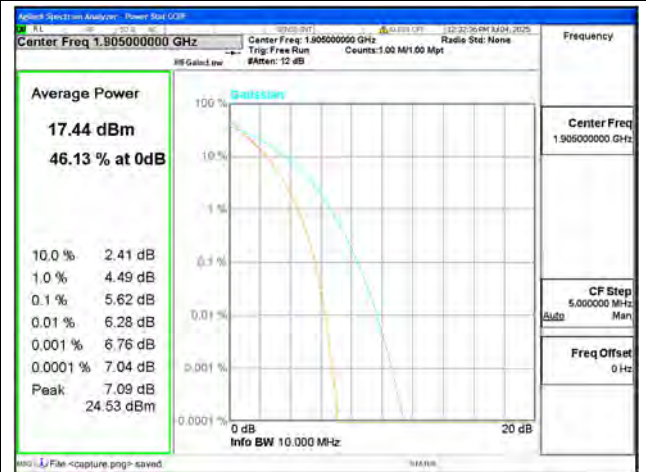
B2 / 10MHz / Mid CH / QPSK



B2 / 10MHz / Mid CH / 16QAM



B2 / 10MHz / Mid CH / 64QAM



B2 / 10MHz / High CH / QPSK



B2 / 10MHz / High CH / 16QAM



B2 / 10MHz / High CH / 64QAM