REPORT No.: SZ22100114W05

TEST REPORT

APPLICANT	:	BLU Products, Inc.
PRODUCT NAME	:	Smart Phone
MODEL NAME	:	J6L
BRAND NAME	:	BLU
FCC ID	:	YHLBLUJ6LWW
STANDARD(S)	:	47 CFR Part 2 47 CFR Part 22, Subpart H 47 CFR Part 24, Subpart E 47 CFR Part 27, Subpart H&L&M
RECEIPT DATE	:	2022-10-17
TEST DATE	:	2022-11-10 to 2022-11-30
ISSUE DATE	:	2022-12-01

Edited by: Zeng Xiaoying (Rapporteur)

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DIRECTORY

Change History		
Version	Date	Reason for change
1.0	2022-12-01	First edition

1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	BLU Products, Inc.
Applicant Address:	10814 NW 33rd St # 100 Doral, FL 33172,USA
Manufacturer:	BLU Products, Inc.
Manufacturer Address:	10814 NW 33rd St # 100 Doral, FL 33172,USA

1.2. Equipment Under Test (EUT) Description

Product Name:	Smart Phone	
Sample No.:	2#	
Hardware Version:	FS273-MB-V3.0	
Software Version:	BLU_J0110WW_V12.0.G.01.00_GENERIC_11102022_181930_debug	
Modulation Type:	QPSK, 16QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 66	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz

Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	-0.68dBi
	LTE Band 4	-0.69dBi
	LTE Band 5	-0.93dBi
	LTE Band 7	-1.12dBi
	LTE Band 12	-0.84dBi
	LTE Band 17	-0.85dBi
	LTE Band 66	-0.74dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C946447300L
	Serial No.:	N/A
	Capacity:	3000mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	Shenzhen Aerospace Electronic Co.,Ltd.
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-JY-1000
	Serial No.:	N/A
	Rated Output:	5V⎓1000mA
	Rated Input:	100-240V～50/60Hz, 0.3A
	Manufacturer:	Dongguan Jieyuan Electronic Technology Co., Ltd

Note 1: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

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

LTE Band 2	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.187	0.148	18M0G7D	18M1W7D
15	0.185	0.147	13M5G7D	13M5W7D
10	0.184	0.146	9M02G7D	8M98W7D
5	0.184	0.147	4M50G7D	4M50W7D
3	0.186	0.146	2M72G7D	2M71W7D
1.4	0.184	0.145	1M10G7D	1M10W7D
LTE Band 4	**Maximum E.R.P./E.I.R.P. (W)**		**Emission Designator (99%OBW)**	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.176	0.150	18M0G7D	18M0W7D
15	0.169	0.149	13M5G7D	13M5W7D
10	0.171	0.149	9M02G7D	8M99W7D
5	0.171	0.148	4M49G7D	4M49W7D
3	0.169	0.148	2M71G7D	2M71W7D
1.4	0.171	0.149	1M10G7D	1M10W7D
LTE Band 5	**Maximum E.R.P./E.I.R.P. (W)**		**Emission Designator (99%OBW)**	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
10	0.114	0.098	9M01G7D	8M98W7D
5	0.113	0.096	4M49G7D	4M50W7D
3	0.113	0.097	2M71G7D	2M71W7D
1.4	0.112	0.096	1M10G7D	1M10W7D
LTE Band 7	**Maximum E.R.P./E.I.R.P. (W)**		**Emission Designator (99%OBW)**	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.158	0.127	18M0G7D	18M0W7D
15	0.157	0.125	13M5G7D	13M5W7D
10	0.156	0.127	9M04G7D	8M98W7D
5	0.157	0.125	4M49G7D	4M50W7D
LTE Band 12	**Maximum E.R.P./E.I.R.P. (W)**		**Emission Designator (99%OBW)**	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
10	0.111	0.088	9M01G7D	8M98W7D
5	0.110	0.087	4M49G7D	4M50W7D
3	0.110	0.086	2M71G7D	2M71W7D
1.4	0.111	0.087	1M10G7D	1M10W7D

LTE Band 17	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
10	0.112	0.089	9M03G7D	8M98W7D
5	0.112	0.088	4M50G7D	4M50W7D
LTE Band 66	**Maximum E.R.P./E.I.R.P. (W)**		**Emission Designator (99%OBW)**	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.196	0.153	18M0G7D	18M1W7D
15	0.194	0.151	13M5G7D	13M5W7D
10	0.194	0.152	9M02G7D	8M99W7D
5	0.195	0.152	4M50G7D	4M50W7D
3	0.195	0.152	2M71G7D	2M72W7D
1.4	0.193	0.153	1M10G7D	1M10W7D

1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Nov. 30, 2022	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Nov. 11, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Nov. 15, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Nov. 11, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Nov. 11, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a)	Band Edge	Nov. 10, 2022	Li Huaijie	PASS	No deviation

24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Nov. 10, 2022	Lin Jiayong	PASS	No deviation

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

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

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

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

1.5. Environmental Conditions

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

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

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

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

2.1.1. Requirement

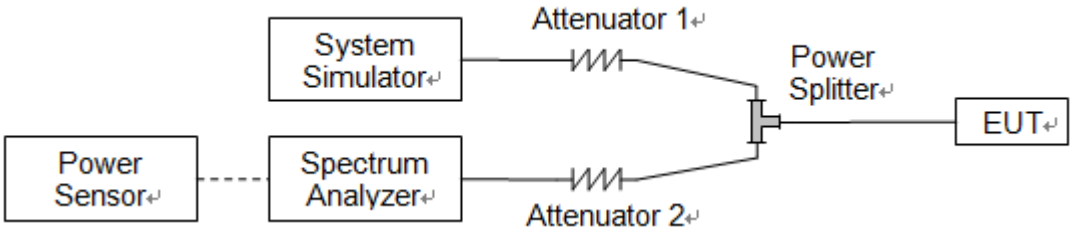
According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current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

According to FCC section 24.232 (c) for LTE Band 2, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.
According to FCC section22.913 (a)(2) for LTE Band 5, 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, 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 (c)(10) for LTE Band 12/17, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

2.1.2. Test Description



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

2.1.3. Test Procedure

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

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

2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.34	23.39	23.35
20	QPSK	1	49	23.24	23.38	23.23
20	QPSK	1	99	23.13	23.35	23.07
20	QPSK	50	0	22.30	22.39	22.32
20	QPSK	50	24	22.17	22.29	22.16
20	QPSK	50	50	22.28	22.34	22.26
20	QPSK	100	0	22.36	22.48	22.39
20	16QAM	1	0	22.39	22.35	22.36
20	16QAM	1	49	22.11	22.08	22.14
20	16QAM	1	99	22.25	22.21	22.23
20	16QAM	50	0	21.28	21.39	21.40
20	16QAM	50	24	21.29	21.31	21.32
20	16QAM	50	50	21.38	21.43	21.35
20	16QAM	100	0	21.33	21.30	21.32

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	23.14	23.36	23.02
15	QPSK	1	37	23.16	23.32	23.11
15	QPSK	1	74	23.09	23.29	22.99
15	QPSK	36	0	22.20	22.30	22.24
15	QPSK	36	20	22.12	22.20	22.06
15	QPSK	36	39	22.27	22.23	22.24
15	QPSK	75	0	22.24	22.12	22.11
15	16QAM	1	0	22.32	22.27	22.34
15	16QAM	1	37	22.08	22.00	22.03
15	16QAM	1	74	22.16	22.09	22.15
15	16QAM	36	0	21.26	21.36	21.29
15	16QAM	36	20	21.22	21.21	21.28
15	16QAM	36	39	21.34	21.36	21.34
15	16QAM	75	0	21.29	21.22	21.30

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	23.21	23.32	23.04
10	QPSK	1	25	23.21	23.27	23.19
10	QPSK	1	49	23.01	23.30	23.02
10	QPSK	25	0	22.18	22.34	22.22
10	QPSK	25	12	22.13	22.25	22.14
10	QPSK	25	25	22.17	22.26	22.15
10	QPSK	50	0	22.14	22.14	22.16
10	16QAM	1	0	22.32	22.23	22.25
10	16QAM	1	25	22.04	22.06	22.09
10	16QAM	1	49	22.23	22.18	22.22
10	16QAM	25	0	21.27	21.32	21.34
10	16QAM	25	12	21.22	21.20	21.28
10	16QAM	25	25	21.26	21.36	21.28
10	16QAM	50	0	21.22	21.21	21.20

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	23.20	23.33	23.09
5	QPSK	1	12	23.14	23.29	23.11
5	QPSK	1	24	23.03	23.29	22.95
5	QPSK	12	0	22.16	22.32	22.18
5	QPSK	12	7	22.14	22.23	22.07
5	QPSK	12	13	22.16	22.25	22.17
5	QPSK	25	0	22.23	22.15	22.15
5	16QAM	1	0	22.36	22.34	22.35
5	16QAM	1	12	22.04	21.98	22.11
5	16QAM	1	24	22.20	22.12	22.12
5	16QAM	12	0	21.25	21.29	21.35
5	16QAM	12	7	21.22	21.23	21.24
5	16QAM	12	13	21.31	21.39	21.31
5	16QAM	25	0	21.26	21.20	21.28

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	23.15	23.37	23.04
3	QPSK	1	8	23.12	23.27	23.15
3	QPSK	1	14	23.03	23.26	22.96
3	QPSK	8	0	22.17	22.34	22.23
3	QPSK	8	4	22.14	22.19	22.10
3	QPSK	8	7	22.20	22.29	22.23
3	QPSK	15	0	22.16	22.19	22.14
3	16QAM	1	0	22.31	22.30	22.30
3	16QAM	1	8	22.03	21.99	22.04
3	16QAM	1	14	22.19	22.14	22.15
3	16QAM	8	0	21.25	21.36	21.35
3	16QAM	8	4	21.27	21.22	21.20
3	16QAM	8	7	21.37	21.36	21.33
3	16QAM	15	0	21.32	21.19	21.26

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	23.10	23.32	23.03
1.4	QPSK	1	3	23.16	23.31	23.19
1.4	QPSK	1	5	23.01	23.28	22.95
1.4	QPSK	3	0	23.07	23.20	23.03
1.4	QPSK	3	1	22.97	23.13	23.00
1.4	QPSK	3	3	23.07	23.12	23.13
1.4	QPSK	6	0	22.18	22.19	22.07
1.4	16QAM	1	0	22.29	22.30	22.27
1.4	16QAM	1	3	22.03	21.96	22.02
1.4	16QAM	1	5	22.24	22.16	22.21
1.4	16QAM	3	0	22.07	22.25	22.27
1.4	16QAM	3	1	22.07	22.12	22.16
1.4	16QAM	3	3	22.20	22.27	22.20
1.4	16QAM	6	0	21.29	21.26	21.27

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	23.10	23.14	23.06
20	QPSK	1	49	22.91	22.93	23.01
20	QPSK	1	99	22.89	22.88	22.94
20	QPSK	50	0	22.26	22.41	22.38
20	QPSK	50	24	22.17	22.11	22.09
20	QPSK	50	50	22.09	22.01	22.07
20	QPSK	100	0	22.19	22.45	22.13
20	16QAM	1	0	22.46	22.43	22.38
20	16QAM	1	49	22.34	22.33	22.27
20	16QAM	1	99	22.39	22.38	22.30
20	16QAM	50	0	21.19	21.19	21.33
20	16QAM	50	24	21.26	21.24	21.20
20	16QAM	50	50	21.21	21.17	21.26
20	16QAM	100	0	21.24	21.27	21.30

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.98	22.79	22.86
15	QPSK	1	37	22.78	22.81	22.85
15	QPSK	1	74	22.77	22.78	22.82
15	QPSK	36	0	22.17	22.01	22.04
15	QPSK	36	20	22.08	22.10	21.97
15	QPSK	36	39	21.99	22.00	22.02
15	QPSK	75	0	22.09	21.98	22.12
15	16QAM	1	0	22.34	22.41	22.31
15	16QAM	1	37	22.29	22.32	22.25
15	16QAM	1	74	22.29	22.30	22.29
15	16QAM	36	0	21.11	21.07	21.25
15	16QAM	36	20	21.22	21.12	21.19
15	16QAM	36	39	21.17	21.14	21.15
15	16QAM	75	0	21.19	21.26	21.18

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				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.01	22.83	22.84
10	QPSK	1	25	22.73	22.74	22.92
10	QPSK	1	49	22.79	22.71	22.77
10	QPSK	25	0	22.19	22.08	22.00
10	QPSK	25	12	22.06	21.99	22.07
10	QPSK	25	25	22.04	21.94	21.98
10	QPSK	50	0	22.09	22.07	22.10
10	16QAM	1	0	22.41	22.39	22.29
10	16QAM	1	25	22.23	22.28	22.15
10	16QAM	1	49	22.37	22.36	22.27
10	16QAM	25	0	21.17	21.08	21.30
10	16QAM	25	12	21.22	21.23	21.08
10	16QAM	25	25	21.20	21.12	21.23
10	16QAM	50	0	21.16	21.20	21.23

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	23.02	22.73	22.86
5	QPSK	1	12	22.79	22.83	22.87
5	QPSK	1	24	22.72	22.80	22.86
5	QPSK	12	0	22.08	22.00	22.01
5	QPSK	12	7	22.05	22.07	22.01
5	QPSK	12	13	21.97	21.93	21.99
5	QPSK	25	0	22.15	22.05	22.02
5	16QAM	1	0	22.38	22.39	22.29
5	16QAM	1	12	22.26	22.23	22.19
5	16QAM	1	24	22.32	22.35	22.20
5	16QAM	12	0	21.18	21.16	21.24
5	16QAM	12	7	21.16	21.23	21.13
5	16QAM	12	13	21.09	21.10	21.20
5	16QAM	25	0	21.12	21.24	21.23

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.97	22.74	22.88
3	QPSK	1	8	22.74	22.75	22.91
3	QPSK	1	14	22.75	22.77	22.86
3	QPSK	8	0	22.10	22.01	22.17
3	QPSK	8	4	22.15	22.07	22.03
3	QPSK	8	7	22.15	22.25	22.15
3	QPSK	15	0	22.17	22.04	22.06
3	16QAM	1	0	22.38	22.39	22.29
3	16QAM	1	8	22.27	22.26	22.22
3	16QAM	1	14	22.28	22.29	22.23
3	16QAM	8	0	21.12	21.07	21.30
3	16QAM	8	4	21.16	21.17	21.13
3	16QAM	8	7	21.10	21.05	21.18
3	16QAM	15	0	21.23	21.25	21.27

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	23.01	22.82	22.88
1.4	QPSK	1	3	22.77	22.83	22.87
1.4	QPSK	1	5	22.79	22.77	22.76
1.4	QPSK	3	0	22.99	22.88	22.80
1.4	QPSK	3	1	22.89	22.86	22.82
1.4	QPSK	3	3	22.81	22.77	22.84
1.4	QPSK	6	0	22.18	22.04	22.01
1.4	16QAM	1	0	22.41	22.40	22.26
1.4	16QAM	1	3	22.33	22.22	22.26
1.4	16QAM	1	5	22.37	22.35	22.21
1.4	16QAM	3	0	22.12	22.16	22.29
1.4	16QAM	3	1	22.14	22.18	22.11
1.4	16QAM	3	3	22.16	22.11	22.19
1.4	16QAM	6	0	21.12	21.22	21.23

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	23.59	23.63	23.51
10	QPSK	1	25	23.51	23.56	23.54
10	QPSK	1	49	23.52	23.53	23.51
10	QPSK	25	0	22.63	22.67	22.58
10	QPSK	25	12	22.57	22.50	22.56
10	QPSK	25	25	22.65	22.60	22.62
10	QPSK	50	0	22.59	22.61	22.53
10	16QAM	1	0	22.96	22.83	22.95
10	16QAM	1	25	22.80	22.86	22.85
10	16QAM	1	49	22.92	22.98	22.91
10	16QAM	25	0	21.71	22.16	21.93
10	16QAM	25	12	21.76	21.77	21.78
10	16QAM	25	25	21.93	22.07	21.94
10	16QAM	50	0	21.93	21.58	21.55

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	23.57	23.60	23.52
5	QPSK	1	12	23.55	23.50	23.50
5	QPSK	1	24	23.57	23.50	23.51
5	QPSK	12	0	22.54	22.64	22.57
5	QPSK	12	7	22.55	22.51	22.51
5	QPSK	12	13	22.61	22.56	22.55
5	QPSK	25	0	22.52	22.54	22.65
5	16QAM	1	0	22.89	22.77	22.87
5	16QAM	1	12	22.74	22.80	22.77
5	16QAM	1	24	22.84	22.88	22.81
5	16QAM	12	0	21.69	22.14	21.90
5	16QAM	12	7	21.69	21.73	21.69
5	16QAM	12	13	21.90	22.02	21.86
5	16QAM	25	0	21.85	21.50	21.53

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	23.58	23.61	23.54
3	QPSK	1	8	23.54	23.50	23.53
3	QPSK	1	14	23.52	23.50	23.53
3	QPSK	8	0	22.53	22.61	22.54
3	QPSK	8	4	22.58	22.61	22.56
3	QPSK	8	7	22.59	22.50	22.61
3	QPSK	15	0	22.56	22.59	22.61
3	16QAM	1	0	22.89	22.73	22.86
3	16QAM	1	8	22.74	22.79	22.79
3	16QAM	1	14	22.85	22.95	22.86
3	16QAM	8	0	21.63	22.09	21.92
3	16QAM	8	4	21.68	21.72	21.71
3	16QAM	8	7	21.87	21.99	21.93
3	16QAM	15	0	21.86	21.51	21.52

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	23.50	23.59	23.51
1.4	QPSK	1	3	23.51	23.54	23.54
1.4	QPSK	1	5	23.53	23.53	23.50
1.4	QPSK	3	0	23.12	23.15	23.12
1.4	QPSK	3	1	23.09	23.04	23.05
1.4	QPSK	3	3	23.21	23.15	23.11
1.4	QPSK	6	0	22.52	22.50	22.51
1.4	16QAM	1	0	22.88	22.74	22.87
1.4	16QAM	1	3	22.70	22.77	22.76
1.4	16QAM	1	5	22.85	22.88	22.90
1.4	16QAM	3	0	22.28	22.73	22.50
1.4	16QAM	3	1	22.31	22.27	22.31
1.4	16QAM	3	3	22.49	22.56	22.42
1.4	16QAM	6	0	21.86	21.55	21.50

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	23.09	23.12	23.10
20	QPSK	1	49	23.08	23.10	22.90
20	QPSK	1	99	23.11	23.03	22.87
20	QPSK	50	0	22.16	22.17	22.12
20	QPSK	50	24	22.11	22.11	22.04
20	QPSK	50	50	22.13	22.08	22.06
20	QPSK	100	0	22.07	22.13	22.03
20	16QAM	1	0	22.05	22.02	22.16
20	16QAM	1	49	22.00	21.98	22.07
20	16QAM	1	99	21.93	21.91	21.92
20	16QAM	50	0	21.10	21.06	20.90
20	16QAM	50	24	21.06	20.99	21.03
20	16QAM	50	50	21.01	20.98	21.04
20	16QAM	100	0	21.06	21.00	20.92

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	23.04	23.07	22.75
15	QPSK	1	37	23.06	23.06	22.80
15	QPSK	1	74	23.00	22.96	22.80
15	QPSK	36	0	22.01	22.07	21.93
15	QPSK	36	20	22.05	22.09	22.00
15	QPSK	36	39	22.06	22.03	22.00
15	QPSK	75	0	21.97	22.05	21.96
15	16QAM	1	0	21.97	22.00	22.08
15	16QAM	1	37	21.96	21.92	22.01
15	16QAM	1	74	21.91	21.88	21.85
15	16QAM	36	0	21.03	20.98	20.82
15	16QAM	36	20	20.96	20.93	20.96
15	16QAM	36	39	20.96	20.89	20.99
15	16QAM	75	0	20.96	20.91	20.82

LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.97	23.06	22.76
10	QPSK	1	25	22.99	23.02	22.82
10	QPSK	1	49	23.02	22.95	22.84
10	QPSK	25	0	22.05	22.07	21.89
10	QPSK	25	12	22.04	22.08	21.96
10	QPSK	25	25	22.08	22.00	22.03
10	QPSK	50	0	22.05	22.02	21.95
10	16QAM	1	0	22.01	21.98	22.15
10	16QAM	1	25	21.90	21.93	22.02
10	16QAM	1	49	21.88	21.84	21.86
10	16QAM	25	0	21.06	20.96	20.81
10	16QAM	25	12	21.00	20.89	20.95
10	16QAM	25	25	20.93	20.88	20.99
10	16QAM	50	0	20.96	20.90	20.85

LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.98	23.09	22.79
5	QPSK	1	12	23.06	23.04	22.87
5	QPSK	1	24	23.01	22.95	22.83
5	QPSK	12	0	22.00	22.10	21.89
5	QPSK	12	7	22.02	22.05	22.01
5	QPSK	12	13	22.03	22.01	21.96
5	QPSK	25	0	21.98	22.05	21.93
5	16QAM	1	0	22.01	22.00	22.09
5	16QAM	1	12	21.93	21.92	22.00
5	16QAM	1	24	21.92	21.87	21.89
5	16QAM	12	0	21.04	21.00	20.80
5	16QAM	12	7	21.01	20.96	20.96
5	16QAM	12	13	20.91	20.97	20.99
5	16QAM	25	0	20.98	20.94	20.87

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.33	23.46	23.37
10	QPSK	1	25	23.23	23.31	23.42
10	QPSK	1	49	23.43	23.29	23.38
10	QPSK	25	0	22.42	22.47	22.43
10	QPSK	25	12	22.44	22.45	22.31
10	QPSK	25	25	22.36	22.42	22.46
10	QPSK	50	0	22.47	22.47	22.42
10	16QAM	1	0	22.35	22.15	22.43
10	16QAM	1	25	22.39	22.32	22.44
10	16QAM	1	49	22.37	22.29	22.18
10	16QAM	25	0	21.20	21.47	21.38
10	16QAM	25	12	21.48	21.40	21.46
10	16QAM	25	25	21.37	21.48	21.07
10	16QAM	50	0	21.36	21.33	21.40

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.23	23.40	23.29
5	QPSK	1	12	23.20	23.25	23.39
5	QPSK	1	24	23.38	23.26	23.37
5	QPSK	12	0	22.36	22.39	22.32
5	QPSK	12	7	22.40	22.38	22.29
5	QPSK	12	13	22.30	22.35	22.45
5	QPSK	25	0	22.40	22.37	22.32
5	16QAM	1	0	22.34	22.07	22.40
5	16QAM	1	12	22.34	22.30	22.37
5	16QAM	1	24	22.35	22.25	22.14
5	16QAM	12	0	21.16	21.37	21.35
5	16QAM	12	7	21.38	21.36	21.36
5	16QAM	12	13	21.35	21.42	21.05
5	16QAM	25	0	21.30	21.30	21.32

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.28	23.41	23.28
3	QPSK	1	8	23.16	23.29	23.40
3	QPSK	1	14	23.40	23.20	23.37
3	QPSK	8	0	22.39	22.40	22.37
3	QPSK	8	4	22.41	22.35	22.25
3	QPSK	8	7	22.29	22.33	22.40
3	QPSK	15	0	22.41	22.43	22.37
3	16QAM	1	0	22.34	22.10	22.36
3	16QAM	1	8	22.34	22.28	22.36
3	16QAM	1	14	22.32	22.19	22.15
3	16QAM	8	0	21.19	21.40	21.36
3	16QAM	8	4	21.39	21.36	21.41
3	16QAM	8	7	21.30	21.46	20.97
3	16QAM	15	0	21.32	21.24	21.31

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.26	23.45	23.24
1.4	QPSK	1	3	23.13	23.21	23.39
1.4	QPSK	1	5	23.39	23.23	23.37
1.4	QPSK	3	0	22.35	22.37	22.33
1.4	QPSK	3	1	22.37	22.41	22.30
1.4	QPSK	3	3	22.32	22.39	22.45
1.4	QPSK	6	0	22.38	22.44	22.35
1.4	16QAM	1	0	22.33	22.05	22.41
1.4	16QAM	1	3	22.36	22.29	22.40
1.4	16QAM	1	5	22.27	22.26	22.17
1.4	16QAM	3	0	21.10	21.42	21.30
1.4	16QAM	3	1	21.43	21.38	21.38
1.4	16QAM	3	3	21.36	21.38	21.00
1.4	16QAM	6	0	21.31	21.25	21.38

LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.49	23.51	23.45
10	QPSK	1	25	23.36	23.35	23.37
10	QPSK	1	49	23.47	23.43	23.40
10	QPSK	25	0	22.44	22.48	22.41
10	QPSK	25	12	22.32	22.41	22.41
10	QPSK	25	25	22.38	22.48	22.40
10	QPSK	50	0	22.36	22.47	22.37
10	16QAM	1	0	22.45	22.49	22.49
10	16QAM	1	25	22.27	22.44	22.30
10	16QAM	1	49	22.32	22.28	22.22
10	16QAM	25	0	21.40	21.32	21.15
10	16QAM	25	12	21.19	21.42	21.29
10	16QAM	25	25	21.43	21.38	21.09
10	16QAM	50	0	21.49	21.44	21.44

LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.49	23.13	23.18
5	QPSK	1	12	23.33	23.33	23.34
5	QPSK	1	24	23.42	23.38	23.35
5	QPSK	12	0	22.40	22.30	22.40
5	QPSK	12	7	22.25	22.31	22.35
5	QPSK	12	13	22.33	22.43	22.35
5	QPSK	25	0	22.27	22.40	22.33
5	16QAM	1	0	22.38	22.44	22.43
5	16QAM	1	12	22.21	22.35	22.25
5	16QAM	1	24	22.23	22.19	22.20
5	16QAM	12	0	21.35	21.25	21.08
5	16QAM	12	7	21.15	21.41	21.24
5	16QAM	12	13	21.40	21.30	21.08
5	16QAM	25	0	21.48	21.37	21.40

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	23.62	23.66	23.38
20	QPSK	1	49	23.62	23.61	23.37
20	QPSK	1	99	23.64	23.60	23.59
20	QPSK	50	0	22.43	22.58	22.46
20	QPSK	50	24	22.44	22.49	22.42
20	QPSK	50	50	22.33	22.47	22.57
20	QPSK	100	0	22.40	22.46	22.41
20	16QAM	1	0	22.58	22.55	22.48
20	16QAM	1	49	22.45	22.58	22.51
20	16QAM	1	99	22.46	22.57	22.52
20	16QAM	50	0	21.53	21.53	21.35
20	16QAM	50	24	21.48	21.54	21.42
20	16QAM	50	50	21.50	21.59	21.46
20	16QAM	100	0	21.41	21.59	21.55

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	23.61	23.61	23.36
15	QPSK	1	37	23.52	23.52	23.34
15	QPSK	1	74	23.60	23.54	23.57
15	QPSK	36	0	22.20	22.57	22.40
15	QPSK	36	20	22.39	22.40	22.34
15	QPSK	36	39	22.25	22.43	22.56
15	QPSK	75	0	22.37	22.43	22.34
15	16QAM	1	0	22.52	22.45	22.44
15	16QAM	1	37	22.43	22.48	22.49
15	16QAM	1	74	22.44	22.47	22.44
15	16QAM	36	0	21.46	21.52	21.25
15	16QAM	36	20	21.46	21.49	21.34
15	16QAM	36	39	21.41	21.52	21.43
15	16QAM	75	0	21.31	21.57	21.52

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	23.56	23.61	23.34
10	QPSK	1	25	23.56	23.55	23.27
10	QPSK	1	49	23.60	23.59	23.58
10	QPSK	25	0	22.21	22.53	22.42
10	QPSK	25	12	22.43	22.48	22.32
10	QPSK	25	25	22.25	22.46	22.55
10	QPSK	50	0	22.38	22.37	22.35
10	16QAM	1	0	22.54	22.45	22.47
10	16QAM	1	25	22.40	22.57	22.46
10	16QAM	1	49	22.38	22.53	22.46
10	16QAM	25	0	21.51	21.52	21.28
10	16QAM	25	12	21.38	21.52	21.34
10	16QAM	25	25	21.40	21.58	21.38
10	16QAM	50	0	21.39	21.55	21.47

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	23.59	23.63	23.33
5	QPSK	1	12	23.58	23.51	23.31
5	QPSK	1	24	23.62	23.59	23.57
5	QPSK	12	0	22.23	22.51	22.35
5	QPSK	12	7	22.38	22.44	22.36
5	QPSK	12	13	22.25	22.41	22.49
5	QPSK	25	0	22.39	22.38	22.34
5	16QAM	1	0	22.56	22.48	22.45
5	16QAM	1	12	22.39	22.55	22.41
5	16QAM	1	24	22.44	22.53	22.48
5	16QAM	12	0	21.47	21.44	21.30
5	16QAM	12	7	21.42	21.51	21.38
5	16QAM	12	13	21.47	21.56	21.41
5	16QAM	25	0	21.38	21.54	21.49

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	23.60	23.64	23.37
3	QPSK	1	8	23.55	23.51	23.35
3	QPSK	1	14	23.54	23.57	23.53
3	QPSK	8	0	22.24	22.54	22.39
3	QPSK	8	4	22.36	22.46	22.36
3	QPSK	8	7	22.25	22.40	22.53
3	QPSK	15	0	22.38	22.43	22.36
3	16QAM	1	0	22.48	22.48	22.46
3	16QAM	1	8	22.43	22.57	22.41
3	16QAM	1	14	22.43	22.48	22.48
3	16QAM	8	0	21.44	21.43	21.32
3	16QAM	8	4	21.39	21.46	21.36
3	16QAM	8	7	21.46	21.54	21.40
3	16QAM	15	0	21.39	21.50	21.45

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	23.55	23.60	23.29
1.4	QPSK	1	3	23.52	23.60	23.34
1.4	QPSK	1	5	23.53	23.53	23.56
1.4	QPSK	3	0	23.21	23.56	23.42
1.4	QPSK	3	1	23.35	23.46	23.41
1.4	QPSK	3	3	23.25	23.46	23.55
1.4	QPSK	6	0	22.36	22.40	22.33
1.4	16QAM	1	0	22.48	22.47	22.43
1.4	16QAM	1	3	22.41	22.54	22.47
1.4	16QAM	1	5	22.40	22.47	22.51
1.4	16QAM	3	0	22.48	22.43	22.33
1.4	16QAM	3	1	22.47	22.49	22.39
1.4	16QAM	3	3	22.46	22.58	22.40
1.4	16QAM	6	0	21.32	21.56	21.46

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	22.66	0.185	22.71	0.187	22.67	0.185
20	QPSK	1	49	22.56	0.180	22.70	0.186	22.55	0.180
20	QPSK	1	99	22.45	0.176	22.67	0.185	22.39	0.173
20	QPSK	50	0	21.62	0.145	21.71	0.148	21.64	0.146
20	QPSK	50	24	21.49	0.141	21.61	0.145	21.48	0.141
20	QPSK	50	50	21.60	0.145	21.66	0.147	21.58	0.144
20	QPSK	100	0	21.68	0.147	21.80	0.151	21.71	0.148
20	16QAM	1	0	21.71	0.148	21.67	0.147	21.68	0.147
20	16QAM	1	49	21.43	0.139	21.40	0.138	21.46	0.140
20	16QAM	1	99	21.57	0.144	21.53	0.142	21.55	0.143
20	16QAM	50	0	20.60	0.115	20.71	0.118	20.72	0.118
20	16QAM	50	24	20.61	0.115	20.63	0.116	20.64	0.116
20	16QAM	50	50	20.70	0.117	20.75	0.119	20.67	0.117
20	16QAM	100	0	20.65	0.116	20.62	0.115	20.64	0.116

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	22.46	0.176	22.68	0.185	22.34	0.171
15	QPSK	1	37	22.48	0.177	22.64	0.184	22.43	0.175
15	QPSK	1	74	22.41	0.174	22.61	0.182	22.31	0.170
15	QPSK	36	0	21.52	0.142	21.62	0.145	21.56	0.143
15	QPSK	36	20	21.44	0.139	21.52	0.142	21.38	0.137
15	QPSK	36	39	21.59	0.144	21.55	0.143	21.56	0.143
15	QPSK	75	0	21.56	0.143	21.44	0.139	21.43	0.139
15	16QAM	1	0	21.64	0.146	21.59	0.144	21.66	0.147
15	16QAM	1	37	21.40	0.138	21.32	0.136	21.35	0.136
15	16QAM	1	74	21.48	0.141	21.41	0.138	21.47	0.140
15	16QAM	36	0	20.58	0.114	20.68	0.117	20.61	0.115
15	16QAM	36	20	20.54	0.113	20.53	0.113	20.60	0.115
15	16QAM	36	39	20.66	0.116	20.68	0.117	20.66	0.116
15	16QAM	75	0	20.61	0.115	20.54	0.113	20.62	0.115

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	22.53	0.179	22.64	0.184	22.36	0.172
10	QPSK	1	25	22.53	0.179	22.59	0.182	22.51	0.178
10	QPSK	1	49	22.33	0.171	22.62	0.183	22.34	0.171
10	QPSK	25	0	21.50	0.141	21.66	0.147	21.54	0.143
10	QPSK	25	12	21.45	0.140	21.57	0.144	21.46	0.140
10	QPSK	25	25	21.49	0.141	21.58	0.144	21.47	0.140
10	QPSK	50	0	21.46	0.140	21.46	0.140	21.48	0.141
10	16QAM	1	0	21.64	0.146	21.55	0.143	21.57	0.144
10	16QAM	1	25	21.36	0.137	21.38	0.137	21.41	0.138
10	16QAM	1	49	21.55	0.143	21.50	0.141	21.54	0.143
10	16QAM	25	0	20.59	0.115	20.64	0.116	20.66	0.116
10	16QAM	25	12	20.54	0.113	20.52	0.113	20.60	0.115
10	16QAM	25	25	20.58	0.114	20.68	0.117	20.60	0.115
10	16QAM	50	0	20.54	0.113	20.53	0.113	20.52	0.113

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	22.52	0.179	22.65	0.184	22.41	0.174
5	QPSK	1	12	22.46	0.176	22.61	0.182	22.43	0.175
5	QPSK	1	24	22.35	0.172	22.61	0.182	22.27	0.169
5	QPSK	12	0	21.48	0.141	21.64	0.146	21.50	0.141
5	QPSK	12	7	21.46	0.140	21.55	0.143	21.39	0.138
5	QPSK	12	13	21.48	0.141	21.57	0.144	21.49	0.141
5	QPSK	25	0	21.55	0.143	21.47	0.140	21.47	0.140
5	16QAM	1	0	21.68	0.147	21.66	0.147	21.67	0.147
5	16QAM	1	12	21.36	0.137	21.30	0.135	21.43	0.139
5	16QAM	1	24	21.52	0.142	21.44	0.139	21.44	0.139
5	16QAM	12	0	20.57	0.114	20.61	0.115	20.67	0.117
5	16QAM	12	7	20.54	0.113	20.55	0.114	20.56	0.114
5	16QAM	12	13	20.63	0.116	20.71	0.118	20.63	0.116
5	16QAM	25	0	20.58	0.114	20.52	0.113	20.60	0.115

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	22.47	0.177	22.69	0.186	22.36	0.172
3	QPSK	1	8	22.44	0.175	22.59	0.182	22.47	0.177
3	QPSK	1	14	22.35	0.172	22.58	0.181	22.28	0.169
3	QPSK	8	0	21.49	0.141	21.66	0.147	21.55	0.143
3	QPSK	8	4	21.46	0.140	21.51	0.142	21.42	0.139
3	QPSK	8	7	21.52	0.142	21.61	0.145	21.55	0.143
3	QPSK	15	0	21.48	0.141	21.51	0.142	21.46	0.140
3	16QAM	1	0	21.63	0.146	21.62	0.145	21.62	0.145
3	16QAM	1	8	21.35	0.136	21.31	0.135	21.36	0.137
3	16QAM	1	14	21.51	0.142	21.46	0.140	21.47	0.140
3	16QAM	8	0	20.57	0.114	20.68	0.117	20.67	0.117
3	16QAM	8	4	20.59	0.115	20.54	0.113	20.52	0.113
3	16QAM	8	7	20.69	0.117	20.68	0.117	20.65	0.116
3	16QAM	15	0	20.64	0.116	20.51	0.112	20.58	0.114

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	22.42	0.175	22.64	0.184	22.35	0.172
1.4	QPSK	1	3	22.48	0.177	22.63	0.183	22.51	0.178
1.4	QPSK	1	5	22.33	0.171	22.60	0.182	22.27	0.169
1.4	QPSK	3	0	22.39	0.173	22.52	0.179	22.35	0.172
1.4	QPSK	3	1	22.29	0.169	22.45	0.176	22.32	0.171
1.4	QPSK	3	3	22.39	0.173	22.44	0.175	22.45	0.176
1.4	QPSK	6	0	21.50	0.141	21.51	0.142	21.39	0.138
1.4	16QAM	1	0	21.61	0.145	21.62	0.145	21.59	0.144
1.4	16QAM	1	3	21.35	0.136	21.28	0.134	21.34	0.136
1.4	16QAM	1	5	21.56	0.143	21.48	0.141	21.53	0.142
1.4	16QAM	3	0	21.39	0.138	21.57	0.144	21.59	0.144
1.4	16QAM	3	1	21.39	0.138	21.44	0.139	21.48	0.141
1.4	16QAM	3	3	21.52	0.142	21.59	0.144	21.52	0.142
1.4	16QAM	6	0	20.61	0.115	20.58	0.114	20.59	0.115

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	22.41	0.174	22.45	0.176	22.37	0.173
20	QPSK	1	49	22.22	0.167	22.24	0.167	22.32	0.171
20	QPSK	1	99	22.20	0.166	22.19	0.166	22.25	0.168
20	QPSK	50	0	21.57	0.144	21.72	0.149	21.69	0.148
20	QPSK	50	24	21.48	0.141	21.42	0.139	21.40	0.138
20	QPSK	50	50	21.40	0.138	21.32	0.136	21.38	0.137
20	QPSK	100	0	21.50	0.141	21.76	0.150	21.44	0.139
20	16QAM	1	0	21.77	0.150	21.74	0.149	21.69	0.148
20	16QAM	1	49	21.65	0.146	21.64	0.146	21.58	0.144
20	16QAM	1	99	21.70	0.148	21.69	0.148	21.61	0.145
20	16QAM	50	0	20.50	0.112	20.50	0.112	20.64	0.116
20	16QAM	50	24	20.57	0.114	20.55	0.114	20.51	0.112
20	16QAM	50	50	20.52	0.113	20.48	0.112	20.57	0.114
20	16QAM	100	0	20.55	0.114	20.58	0.114	20.61	0.115

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	22.29	0.169	22.10	0.162	22.17	0.165
15	QPSK	1	37	22.09	0.162	22.12	0.163	22.16	0.164
15	QPSK	1	74	22.08	0.161	22.09	0.162	22.13	0.163
15	QPSK	36	0	21.48	0.141	21.32	0.136	21.35	0.136
15	QPSK	36	20	21.39	0.138	21.41	0.138	21.28	0.134
15	QPSK	36	39	21.30	0.135	21.31	0.135	21.33	0.136
15	QPSK	75	0	21.40	0.138	21.29	0.135	21.43	0.139
15	16QAM	1	0	21.65	0.146	21.72	0.149	21.62	0.145
15	16QAM	1	37	21.60	0.145	21.63	0.146	21.56	0.143
15	16QAM	1	74	21.60	0.145	21.61	0.145	21.60	0.145
15	16QAM	36	0	20.42	0.110	20.38	0.109	20.56	0.114
15	16QAM	36	20	20.53	0.113	20.43	0.110	20.50	0.112
15	16QAM	36	39	20.48	0.112	20.45	0.111	20.46	0.111
15	16QAM	75	0	20.50	0.112	20.57	0.114	20.49	0.112

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	22.32	0.171	22.14	0.164	22.15	0.164
10	QPSK	1	25	22.04	0.160	22.05	0.160	22.23	0.167
10	QPSK	1	49	22.10	0.162	22.02	0.159	22.08	0.161
10	QPSK	25	0	21.50	0.141	21.39	0.138	21.31	0.135
10	QPSK	25	12	21.37	0.137	21.30	0.135	21.38	0.137
10	QPSK	25	25	21.35	0.136	21.25	0.133	21.29	0.135
10	QPSK	50	0	21.40	0.138	21.38	0.137	21.41	0.138
10	16QAM	1	0	21.72	0.149	21.70	0.148	21.60	0.145
10	16QAM	1	25	21.54	0.143	21.59	0.144	21.46	0.140
10	16QAM	1	49	21.68	0.147	21.67	0.147	21.58	0.144
10	16QAM	25	0	20.48	0.112	20.39	0.109	20.61	0.115
10	16QAM	25	12	20.53	0.113	20.54	0.113	20.39	0.109
10	16QAM	25	25	20.51	0.112	20.43	0.110	20.54	0.113
10	16QAM	50	0	20.47	0.111	20.51	0.112	20.54	0.113

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	22.33	0.171	22.04	0.160	22.17	0.165
5	QPSK	1	12	22.10	0.162	22.14	0.164	22.18	0.165
5	QPSK	1	24	22.03	0.160	22.11	0.163	22.17	0.165
5	QPSK	12	0	21.39	0.138	21.31	0.135	21.32	0.136
5	QPSK	12	7	21.36	0.137	21.38	0.137	21.32	0.136
5	QPSK	12	13	21.28	0.134	21.24	0.133	21.30	0.135
5	QPSK	25	0	21.46	0.140	21.36	0.137	21.33	0.136
5	16QAM	1	0	21.69	0.148	21.70	0.148	21.60	0.145
5	16QAM	1	12	21.57	0.144	21.54	0.143	21.50	0.141
5	16QAM	1	24	21.63	0.146	21.66	0.147	21.51	0.142
5	16QAM	12	0	20.49	0.112	20.47	0.111	20.55	0.114
5	16QAM	12	7	20.47	0.111	20.54	0.113	20.44	0.111
5	16QAM	12	13	20.40	0.110	20.41	0.110	20.51	0.112
5	16QAM	25	0	20.43	0.110	20.55	0.114	20.54	0.113

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	22.28	0.169	22.05	0.160	22.19	0.166
3	QPSK	1	8	22.05	0.160	22.06	0.161	22.22	0.167
3	QPSK	1	14	22.06	0.161	22.08	0.161	22.17	0.165
3	QPSK	8	0	21.41	0.138	21.32	0.136	21.48	0.141
3	QPSK	8	4	21.46	0.140	21.38	0.137	21.34	0.136
3	QPSK	8	7	21.46	0.140	21.56	0.143	21.46	0.140
3	QPSK	15	0	21.48	0.141	21.35	0.136	21.37	0.137
3	16QAM	1	0	21.69	0.148	21.70	0.148	21.60	0.145
3	16QAM	1	8	21.58	0.144	21.57	0.144	21.53	0.142
3	16QAM	1	14	21.59	0.144	21.60	0.145	21.54	0.143
3	16QAM	8	0	20.43	0.110	20.38	0.109	20.61	0.115
3	16QAM	8	4	20.47	0.111	20.48	0.112	20.44	0.111
3	16QAM	8	7	20.41	0.110	20.36	0.109	20.49	0.112
3	16QAM	15	0	20.54	0.113	20.56	0.114	20.58	0.114

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	22.32	0.171	22.13	0.163	22.19	0.166
1.4	QPSK	1	3	22.08	0.161	22.14	0.164	22.18	0.165
1.4	QPSK	1	5	22.10	0.162	22.08	0.161	22.07	0.161
1.4	QPSK	3	0	22.30	0.170	22.19	0.166	22.11	0.163
1.4	QPSK	3	1	22.20	0.166	22.17	0.165	22.13	0.163
1.4	QPSK	3	3	22.12	0.163	22.08	0.161	22.15	0.164
1.4	QPSK	6	0	21.49	0.141	21.35	0.136	21.32	0.136
1.4	16QAM	1	0	21.72	0.149	21.71	0.148	21.57	0.144
1.4	16QAM	1	3	21.64	0.146	21.53	0.142	21.57	0.144
1.4	16QAM	1	5	21.68	0.147	21.66	0.147	21.52	0.142
1.4	16QAM	3	0	21.43	0.139	21.47	0.140	21.60	0.145
1.4	16QAM	3	1	21.45	0.140	21.49	0.141	21.42	0.139
1.4	16QAM	3	3	21.47	0.140	21.42	0.139	21.50	0.141
1.4	16QAM	6	0	20.43	0.110	20.53	0.113	20.54	0.113

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	20.51	0.112	20.55	0.114	20.43	0.110
10	QPSK	1	25	20.43	0.110	20.48	0.112	20.46	0.111
10	QPSK	1	49	20.44	0.111	20.45	0.111	20.43	0.110
10	QPSK	25	0	19.55	0.090	19.59	0.091	19.50	0.089
10	QPSK	25	12	19.49	0.089	19.42	0.087	19.48	0.089
10	QPSK	25	25	19.57	0.091	19.52	0.090	19.54	0.090
10	QPSK	50	0	19.51	0.089	19.53	0.090	19.45	0.088
10	16QAM	1	0	19.88	0.097	19.75	0.094	19.87	0.097
10	16QAM	1	25	19.72	0.094	19.78	0.095	19.77	0.095
10	16QAM	1	49	19.84	0.096	19.90	0.098	19.83	0.096
10	16QAM	25	0	18.63	0.073	19.08	0.081	18.85	0.077
10	16QAM	25	12	18.68	0.074	18.69	0.074	18.70	0.074
10	16QAM	25	25	18.85	0.077	18.99	0.079	18.86	0.077
10	16QAM	50	0	18.85	0.077	18.50	0.071	18.47	0.070

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	20.49	0.112	20.52	0.113	20.44	0.111
5	QPSK	1	12	20.47	0.111	20.42	0.110	20.42	0.110
5	QPSK	1	24	20.49	0.112	20.42	0.110	20.43	0.110
5	QPSK	12	0	19.46	0.088	19.56	0.090	19.49	0.089
5	QPSK	12	7	19.47	0.089	19.43	0.088	19.43	0.088
5	QPSK	12	13	19.53	0.090	19.48	0.089	19.47	0.089
5	QPSK	25	0	19.44	0.088	19.46	0.088	19.57	0.091
5	16QAM	1	0	19.81	0.096	19.69	0.093	19.79	0.095
5	16QAM	1	12	19.66	0.092	19.72	0.094	19.69	0.093
5	16QAM	1	24	19.76	0.095	19.80	0.095	19.73	0.094
5	16QAM	12	0	18.61	0.073	19.06	0.081	18.82	0.076
5	16QAM	12	7	18.61	0.073	18.65	0.073	18.61	0.073
5	16QAM	12	13	18.82	0.076	18.94	0.078	18.78	0.076
5	16QAM	25	0	18.77	0.075	18.42	0.070	18.45	0.070

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	20.50	0.112	20.53	0.113	20.46	0.111
3	QPSK	1	8	20.46	0.111	20.42	0.110	20.45	0.111
3	QPSK	1	14	20.44	0.111	20.42	0.110	20.45	0.111
3	QPSK	8	0	19.45	0.088	19.53	0.090	19.46	0.088
3	QPSK	8	4	19.50	0.089	19.53	0.090	19.48	0.089
3	QPSK	8	7	19.51	0.089	19.42	0.087	19.53	0.090
3	QPSK	15	0	19.48	0.089	19.51	0.089	19.53	0.090
3	16QAM	1	0	19.81	0.096	19.65	0.092	19.78	0.095
3	16QAM	1	8	19.66	0.092	19.71	0.094	19.71	0.094
3	16QAM	1	14	19.77	0.095	19.87	0.097	19.78	0.095
3	16QAM	8	0	18.55	0.072	19.01	0.080	18.84	0.077
3	16QAM	8	4	18.60	0.072	18.64	0.073	18.63	0.073
3	16QAM	8	7	18.79	0.076	18.91	0.078	18.85	0.077
3	16QAM	15	0	18.78	0.076	18.43	0.070	18.44	0.070

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	20.42	0.110	20.51	0.112	20.43	0.110
1.4	QPSK	1	3	20.43	0.110	20.46	0.111	20.46	0.111
1.4	QPSK	1	5	20.45	0.111	20.45	0.111	20.42	0.110
1.4	QPSK	3	0	20.04	0.101	20.07	0.102	20.04	0.101
1.4	QPSK	3	1	20.01	0.100	19.96	0.099	19.97	0.099
1.4	QPSK	3	3	20.13	0.103	20.07	0.102	20.03	0.101
1.4	QPSK	6	0	19.44	0.088	19.42	0.087	19.43	0.088
1.4	16QAM	1	0	19.80	0.095	19.66	0.092	19.79	0.095
1.4	16QAM	1	3	19.62	0.092	19.69	0.093	19.68	0.093
1.4	16QAM	1	5	19.77	0.095	19.80	0.095	19.82	0.096
1.4	16QAM	3	0	19.20	0.083	19.65	0.092	19.42	0.087
1.4	16QAM	3	1	19.23	0.084	19.19	0.083	19.23	0.084
1.4	16QAM	3	3	19.41	0.087	19.48	0.089	19.34	0.086
1.4	16QAM	6	0	18.78	0.076	18.47	0.070	18.42	0.070

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	21.97	0.157	22.00	0.158	21.98	0.158
20	QPSK	1	49	21.96	0.157	21.98	0.158	21.78	0.151
20	QPSK	1	99	21.99	0.158	21.91	0.155	21.75	0.150
20	QPSK	50	0	21.04	0.127	21.05	0.127	21.00	0.126
20	QPSK	50	24	20.99	0.126	20.99	0.126	20.92	0.124
20	QPSK	50	50	21.01	0.126	20.96	0.125	20.94	0.124
20	QPSK	100	0	20.95	0.124	21.01	0.126	20.91	0.123
20	16QAM	1	0	20.93	0.124	20.90	0.123	21.04	0.127
20	16QAM	1	49	20.88	0.122	20.86	0.122	20.95	0.124
20	16QAM	1	99	20.81	0.121	20.79	0.120	20.80	0.120
20	16QAM	50	0	19.98	0.100	19.94	0.099	19.78	0.095
20	16QAM	50	24	19.94	0.099	19.87	0.097	19.91	0.098
20	16QAM	50	50	19.89	0.097	19.86	0.097	19.92	0.098
20	16QAM	100	0	19.94	0.099	19.88	0.097	19.80	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				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.92	0.156	21.95	0.157	21.63	0.146
15	QPSK	1	37	21.94	0.156	21.94	0.156	21.68	0.147
15	QPSK	1	74	21.88	0.154	21.84	0.153	21.68	0.147
15	QPSK	36	0	20.89	0.123	20.95	0.124	20.81	0.121
15	QPSK	36	20	20.93	0.124	20.97	0.125	20.88	0.122
15	QPSK	36	39	20.94	0.124	20.91	0.123	20.88	0.122
15	QPSK	75	0	20.85	0.122	20.93	0.124	20.84	0.121
15	16QAM	1	0	20.85	0.122	20.88	0.122	20.96	0.125
15	16QAM	1	37	20.84	0.121	20.80	0.120	20.89	0.123
15	16QAM	1	74	20.79	0.120	20.76	0.119	20.73	0.118
15	16QAM	36	0	19.91	0.098	19.86	0.097	19.70	0.093
15	16QAM	36	20	19.84	0.096	19.81	0.096	19.84	0.096
15	16QAM	36	39	19.84	0.096	19.77	0.095	19.87	0.097
15	16QAM	75	0	19.84	0.096	19.79	0.095	19.70	0.093

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	21.85	0.153	21.94	0.156	21.64	0.146
10	QPSK	1	25	21.87	0.154	21.90	0.155	21.70	0.148
10	QPSK	1	49	21.90	0.155	21.83	0.152	21.72	0.149
10	QPSK	25	0	20.93	0.124	20.95	0.124	20.77	0.119
10	QPSK	25	12	20.92	0.124	20.96	0.125	20.84	0.121
10	QPSK	25	25	20.96	0.125	20.88	0.122	20.91	0.123
10	QPSK	50	0	20.93	0.124	20.90	0.123	20.83	0.121
10	16QAM	1	0	20.89	0.123	20.86	0.122	21.03	0.127
10	16QAM	1	25	20.78	0.120	20.81	0.121	20.90	0.123
10	16QAM	1	49	20.76	0.119	20.72	0.118	20.74	0.119
10	16QAM	25	0	19.94	0.099	19.84	0.096	19.69	0.093
10	16QAM	25	12	19.88	0.097	19.77	0.095	19.83	0.096
10	16QAM	25	25	19.81	0.096	19.76	0.095	19.87	0.097
10	16QAM	50	0	19.84	0.096	19.78	0.095	19.73	0.094

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	21.86	0.153	21.97	0.157	21.67	0.147
5	QPSK	1	12	21.94	0.156	21.92	0.156	21.75	0.150
5	QPSK	1	24	21.89	0.155	21.83	0.152	21.71	0.148
5	QPSK	12	0	20.88	0.122	20.98	0.125	20.77	0.119
5	QPSK	12	7	20.90	0.123	20.93	0.124	20.89	0.123
5	QPSK	12	13	20.91	0.123	20.89	0.123	20.84	0.121
5	QPSK	25	0	20.86	0.122	20.93	0.124	20.81	0.121
5	16QAM	1	0	20.89	0.123	20.88	0.122	20.97	0.125
5	16QAM	1	12	20.81	0.121	20.80	0.120	20.88	0.122
5	16QAM	1	24	20.80	0.120	20.75	0.119	20.77	0.119
5	16QAM	12	0	19.92	0.098	19.88	0.097	19.68	0.093
5	16QAM	12	7	19.89	0.097	19.84	0.096	19.84	0.096
5	16QAM	12	13	19.79	0.095	19.85	0.097	19.87	0.097
5	16QAM	25	0	19.86	0.097	19.82	0.096	19.75	0.094

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.34	0.108	20.47	0.111	20.38	0.109
10	QPSK	1	25	20.24	0.106	20.32	0.108	20.43	0.110
10	QPSK	1	49	20.44	0.111	20.30	0.107	20.39	0.109
10	QPSK	25	0	19.43	0.088	19.48	0.089	19.44	0.088
10	QPSK	25	12	19.45	0.088	19.46	0.088	19.32	0.086
10	QPSK	25	25	19.37	0.086	19.43	0.088	19.47	0.089
10	QPSK	50	0	19.48	0.089	19.48	0.089	19.43	0.088
10	16QAM	1	0	19.36	0.086	19.16	0.082	19.44	0.088
10	16QAM	1	25	19.40	0.087	19.33	0.086	19.45	0.088
10	16QAM	1	49	19.38	0.087	19.30	0.085	19.19	0.083
10	16QAM	25	0	18.21	0.066	18.48	0.070	18.39	0.069
10	16QAM	25	12	18.49	0.071	18.41	0.069	18.47	0.070
10	16QAM	25	25	18.38	0.069	18.49	0.071	18.08	0.064
10	16QAM	50	0	18.37	0.069	18.34	0.068	18.41	0.069

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.24	0.106	20.41	0.110	20.30	0.107
5	QPSK	1	12	20.21	0.105	20.26	0.106	20.40	0.110
5	QPSK	1	24	20.39	0.109	20.27	0.106	20.38	0.109
5	QPSK	12	0	19.37	0.086	19.40	0.087	19.33	0.086
5	QPSK	12	7	19.41	0.087	19.39	0.087	19.30	0.085
5	QPSK	12	13	19.31	0.085	19.36	0.086	19.46	0.088
5	QPSK	25	0	19.41	0.087	19.38	0.087	19.33	0.086
5	16QAM	1	0	19.35	0.086	19.08	0.081	19.41	0.087
5	16QAM	1	12	19.35	0.086	19.31	0.085	19.38	0.087
5	16QAM	1	24	19.36	0.086	19.26	0.084	19.15	0.082
5	16QAM	12	0	18.17	0.066	18.38	0.069	18.36	0.069
5	16QAM	12	7	18.39	0.069	18.37	0.069	18.37	0.069
5	16QAM	12	13	18.36	0.069	18.43	0.070	18.06	0.064
5	16QAM	25	0	18.31	0.068	18.31	0.068	18.33	0.068

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.29	0.107	20.42	0.110	20.29	0.107
3	QPSK	1	8	20.17	0.104	20.30	0.107	20.41	0.110
3	QPSK	1	14	20.41	0.110	20.21	0.105	20.38	0.109
3	QPSK	8	0	19.40	0.087	19.41	0.087	19.38	0.087
3	QPSK	8	4	19.42	0.087	19.36	0.086	19.26	0.084
3	QPSK	8	7	19.30	0.085	19.34	0.086	19.41	0.087
3	QPSK	15	0	19.42	0.087	19.44	0.088	19.38	0.087
3	16QAM	1	0	19.35	0.086	19.11	0.081	19.37	0.086
3	16QAM	1	8	19.35	0.086	19.29	0.085	19.37	0.086
3	16QAM	1	14	19.33	0.086	19.20	0.083	19.16	0.082
3	16QAM	8	0	18.20	0.066	18.41	0.069	18.37	0.069
3	16QAM	8	4	18.40	0.069	18.37	0.069	18.42	0.070
3	16QAM	8	7	18.31	0.068	18.47	0.070	17.98	0.063
3	16QAM	15	0	18.33	0.068	18.25	0.067	18.32	0.068

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.27	0.106	20.46	0.111	20.25	0.106
1.4	QPSK	1	3	20.14	0.103	20.22	0.105	20.40	0.110
1.4	QPSK	1	5	20.40	0.110	20.24	0.106	20.38	0.109
1.4	QPSK	3	0	19.36	0.086	19.38	0.087	19.34	0.086
1.4	QPSK	3	1	19.38	0.087	19.42	0.087	19.31	0.085
1.4	QPSK	3	3	19.33	0.086	19.40	0.087	19.46	0.088
1.4	QPSK	6	0	19.39	0.087	19.45	0.088	19.36	0.086
1.4	16QAM	1	0	19.34	0.086	19.06	0.081	19.42	0.087
1.4	16QAM	1	3	19.37	0.086	19.30	0.085	19.41	0.087
1.4	16QAM	1	5	19.28	0.085	19.27	0.085	19.18	0.083
1.4	16QAM	3	0	18.11	0.065	18.43	0.070	18.31	0.068
1.4	16QAM	3	1	18.44	0.070	18.39	0.069	18.39	0.069
1.4	16QAM	3	3	18.37	0.069	18.39	0.069	18.01	0.063
1.4	16QAM	6	0	18.32	0.068	18.26	0.067	18.39	0.069

LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.49	0.112	20.51	0.112	20.45	0.111
10	QPSK	1	25	20.36	0.109	20.35	0.108	20.37	0.109
10	QPSK	1	49	20.47	0.111	20.43	0.110	20.40	0.110
10	QPSK	25	0	19.44	0.088	19.48	0.089	19.41	0.087
10	QPSK	25	12	19.32	0.086	19.41	0.087	19.41	0.087
10	QPSK	25	25	19.38	0.087	19.48	0.089	19.40	0.087
10	QPSK	50	0	19.36	0.086	19.47	0.089	19.37	0.086
10	16QAM	1	0	19.45	0.088	19.49	0.089	19.49	0.089
10	16QAM	1	25	19.27	0.085	19.44	0.088	19.30	0.085
10	16QAM	1	49	19.32	0.086	19.28	0.085	19.22	0.084
10	16QAM	25	0	18.40	0.069	18.32	0.068	18.15	0.065
10	16QAM	25	12	18.19	0.066	18.42	0.070	18.29	0.067
10	16QAM	25	25	18.43	0.070	18.38	0.069	18.09	0.064
10	16QAM	50	0	18.49	0.071	18.44	0.070	18.44	0.070

LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.49	0.112	20.13	0.103	20.18	0.104
5	QPSK	1	12	20.33	0.108	20.33	0.108	20.34	0.108
5	QPSK	1	24	20.42	0.110	20.38	0.109	20.35	0.108
5	QPSK	12	0	19.40	0.087	19.30	0.085	19.40	0.087
5	QPSK	12	7	19.25	0.084	19.31	0.085	19.35	0.086
5	QPSK	12	13	19.33	0.086	19.43	0.088	19.35	0.086
5	QPSK	25	0	19.27	0.085	19.40	0.087	19.33	0.086
5	16QAM	1	0	19.38	0.087	19.44	0.088	19.43	0.088
5	16QAM	1	12	19.21	0.083	19.35	0.086	19.25	0.084
5	16QAM	1	24	19.23	0.084	19.19	0.083	19.20	0.083
5	16QAM	12	0	18.35	0.068	18.25	0.067	18.08	0.064
5	16QAM	12	7	18.15	0.065	18.41	0.069	18.24	0.067
5	16QAM	12	13	18.40	0.069	18.30	0.068	18.08	0.064
5	16QAM	25	0	18.48	0.070	18.37	0.069	18.40	0.069

LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.88	0.194	22.92	0.196	22.64	0.184
20	QPSK	1	49	22.88	0.194	22.87	0.194	22.63	0.183
20	QPSK	1	99	22.90	0.195	22.86	0.193	22.85	0.193
20	QPSK	50	0	21.69	0.148	21.84	0.153	21.72	0.149
20	QPSK	50	24	21.70	0.148	21.75	0.150	21.68	0.147
20	QPSK	50	50	21.59	0.144	21.73	0.149	21.83	0.152
20	QPSK	100	0	21.66	0.147	21.72	0.149	21.67	0.147
20	16QAM	1	0	21.84	0.153	21.81	0.152	21.74	0.149
20	16QAM	1	49	21.71	0.148	21.84	0.153	21.77	0.150
20	16QAM	1	99	21.72	0.149	21.83	0.152	21.78	0.151
20	16QAM	50	0	20.79	0.120	20.79	0.120	20.61	0.115
20	16QAM	50	24	20.74	0.119	20.80	0.120	20.68	0.117
20	16QAM	50	50	20.76	0.119	20.85	0.122	20.72	0.118
20	16QAM	100	0	20.67	0.117	20.85	0.122	20.81	0.121

LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.87	0.194	22.87	0.194	22.62	0.183
15	QPSK	1	37	22.78	0.190	22.78	0.190	22.60	0.182
15	QPSK	1	74	22.86	0.193	22.80	0.191	22.83	0.192
15	QPSK	36	0	21.46	0.140	21.83	0.152	21.66	0.147
15	QPSK	36	20	21.65	0.146	21.66	0.147	21.60	0.145
15	QPSK	36	39	21.51	0.142	21.69	0.148	21.82	0.152
15	QPSK	75	0	21.63	0.146	21.69	0.148	21.60	0.145
15	16QAM	1	0	21.78	0.151	21.71	0.148	21.70	0.148
15	16QAM	1	37	21.69	0.148	21.74	0.149	21.75	0.150
15	16QAM	1	74	21.70	0.148	21.73	0.149	21.70	0.148
15	16QAM	36	0	20.72	0.118	20.78	0.120	20.51	0.112
15	16QAM	36	20	20.72	0.118	20.75	0.119	20.60	0.115
15	16QAM	36	39	20.67	0.117	20.78	0.120	20.69	0.117
15	16QAM	75	0	20.57	0.114	20.83	0.121	20.78	0.120

LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.82	0.191	22.87	0.194	22.60	0.182
10	QPSK	1	25	22.82	0.191	22.81	0.191	22.53	0.179
10	QPSK	1	49	22.86	0.193	22.85	0.193	22.84	0.192
10	QPSK	25	0	21.47	0.140	21.79	0.151	21.68	0.147
10	QPSK	25	12	21.69	0.148	21.74	0.149	21.58	0.144
10	QPSK	25	25	21.51	0.142	21.72	0.149	21.81	0.152
10	QPSK	50	0	21.64	0.146	21.63	0.146	21.61	0.145
10	16QAM	1	0	21.80	0.151	21.71	0.148	21.73	0.149
10	16QAM	1	25	21.66	0.147	21.83	0.152	21.72	0.149
10	16QAM	1	49	21.64	0.146	21.79	0.151	21.72	0.149
10	16QAM	25	0	20.77	0.119	20.78	0.120	20.54	0.113
10	16QAM	25	12	20.64	0.116	20.78	0.120	20.60	0.115
10	16QAM	25	25	20.66	0.116	20.84	0.121	20.64	0.116
10	16QAM	50	0	20.65	0.116	20.81	0.121	20.73	0.118

LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.85	0.193	22.89	0.195	22.59	0.182
5	QPSK	1	12	22.84	0.192	22.77	0.189	22.57	0.181
5	QPSK	1	24	22.88	0.194	22.85	0.193	22.83	0.192
5	QPSK	12	0	21.49	0.141	21.77	0.150	21.61	0.145
5	QPSK	12	7	21.64	0.146	21.70	0.148	21.62	0.145
5	QPSK	12	13	21.51	0.142	21.67	0.147	21.75	0.150
5	QPSK	25	0	21.65	0.146	21.64	0.146	21.60	0.145
5	16QAM	1	0	21.82	0.152	21.74	0.149	21.71	0.148
5	16QAM	1	12	21.65	0.146	21.81	0.152	21.67	0.147
5	16QAM	1	24	21.70	0.148	21.79	0.151	21.74	0.149
5	16QAM	12	0	20.73	0.118	20.70	0.117	20.56	0.114
5	16QAM	12	7	20.68	0.117	20.77	0.119	20.64	0.116
5	16QAM	12	13	20.73	0.118	20.82	0.121	20.67	0.117
5	16QAM	25	0	20.64	0.116	20.80	0.120	20.75	0.119

LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.86	0.193	22.90	0.195	22.63	0.183
3	QPSK	1	8	22.81	0.191	22.77	0.189	22.61	0.182
3	QPSK	1	14	22.80	0.191	22.83	0.192	22.79	0.190
3	QPSK	8	0	21.50	0.141	21.80	0.151	21.65	0.146
3	QPSK	8	4	21.62	0.145	21.72	0.149	21.62	0.145
3	QPSK	8	7	21.51	0.142	21.66	0.147	21.79	0.151
3	QPSK	15	0	21.64	0.146	21.69	0.148	21.62	0.145
3	16QAM	1	0	21.74	0.149	21.74	0.149	21.72	0.149
3	16QAM	1	8	21.69	0.148	21.83	0.152	21.67	0.147
3	16QAM	1	14	21.69	0.148	21.74	0.149	21.74	0.149
3	16QAM	8	0	20.70	0.117	20.69	0.117	20.58	0.114
3	16QAM	8	4	20.65	0.116	20.72	0.118	20.62	0.115
3	16QAM	8	7	20.72	0.118	20.80	0.120	20.66	0.116
3	16QAM	15	0	20.65	0.116	20.76	0.119	20.71	0.118

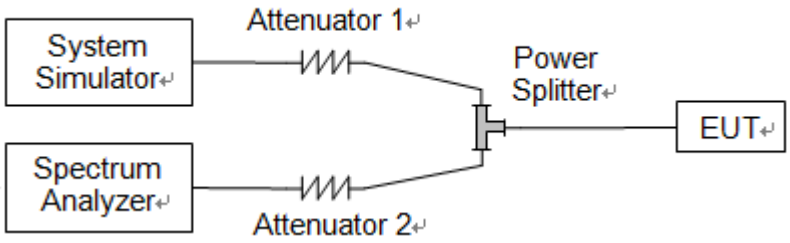
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.81	0.191	22.86	0.193	22.55	0.180
1.4	QPSK	1	3	22.78	0.190	22.86	0.193	22.60	0.182
1.4	QPSK	1	5	22.79	0.190	22.79	0.190	22.82	0.191
1.4	QPSK	3	0	22.47	0.177	22.82	0.191	22.68	0.185
1.4	QPSK	3	1	22.61	0.182	22.72	0.187	22.67	0.185
1.4	QPSK	3	3	22.51	0.178	22.72	0.187	22.81	0.191
1.4	QPSK	6	0	21.62	0.145	21.66	0.147	21.59	0.144
1.4	16QAM	1	0	21.74	0.149	21.73	0.149	21.69	0.148
1.4	16QAM	1	3	21.67	0.147	21.80	0.151	21.73	0.149
1.4	16QAM	1	5	21.66	0.147	21.73	0.149	21.77	0.150
1.4	16QAM	3	0	21.74	0.149	21.69	0.148	21.59	0.144
1.4	16QAM	3	1	21.73	0.149	21.75	0.150	21.65	0.146
1.4	16QAM	3	3	21.72	0.149	21.84	0.153	21.66	0.147
1.4	16QAM	6	0	20.58	0.114	20.82	0.121	20.72	0.118

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 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.24
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
3	Low	QPSK	2.71	3.04
	Low	16QAM	2.71	3.05
	Mid	QPSK	2.71	3.05
	Mid	16QAM	2.70	3.05
	High	QPSK	2.72	3.05
	High	16QAM	2.71	3.04
5	Low	QPSK	4.49	4.96
	Low	16QAM	4.50	4.99
	Mid	QPSK	4.50	4.99
	Mid	16QAM	4.50	5.10
	High	QPSK	4.49	4.94
	High	16QAM	4.49	4.95
10	Low	QPSK	9.02	9.88
	Low	16QAM	8.98	9.82
	Mid	QPSK	9.01	9.87
	Mid	16QAM	8.98	9.91
	High	QPSK	9.01	9.89
	High	16QAM	8.97	9.84
15	Low	QPSK	13.49	14.97
	Low	16QAM	13.49	14.95
	Mid	QPSK	13.51	15.04
	Mid	16QAM	13.49	14.98
	High	QPSK	13.46	14.92
	High	16QAM	13.48	14.96
20	Low	QPSK	17.98	19.75
	Low	16QAM	18.02	19.70
	Mid	QPSK	18.02	19.93
	Mid	16QAM	18.05	19.87
	High	QPSK	17.99	19.86
	High	16QAM	17.99	19.70

LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.26
3	Low	QPSK	2.71	3.03
	Low	16QAM	2.71	3.06
	Mid	QPSK	2.71	3.05
	Mid	16QAM	2.71	3.04
	High	QPSK	2.71	3.03
	High	16QAM	2.71	2.97
5	Low	QPSK	4.49	4.97
	Low	16QAM	4.49	4.93
	Mid	QPSK	4.49	4.96
	Mid	16QAM	4.49	4.99
	High	QPSK	4.49	4.96
	High	16QAM	4.49	4.96
10	Low	QPSK	9.02	9.93
	Low	16QAM	8.97	9.84
	Mid	QPSK	8.99	9.89
	Mid	16QAM	8.99	9.86
	High	QPSK	9.01	9.85
	High	16QAM	8.98	9.89
15	Low	QPSK	13.48	14.90
	Low	16QAM	13.49	14.96
	Mid	QPSK	13.49	14.97
	Mid	16QAM	13.51	14.98
	High	QPSK	13.46	14.82
	High	16QAM	13.48	14.91
20	Low	QPSK	18.00	19.71
	Low	16QAM	18.04	19.82
	Mid	QPSK	17.99	19.81
	Mid	16QAM	18.02	19.76
	High	QPSK	17.99	19.70
	High	16QAM	18.00	19.85

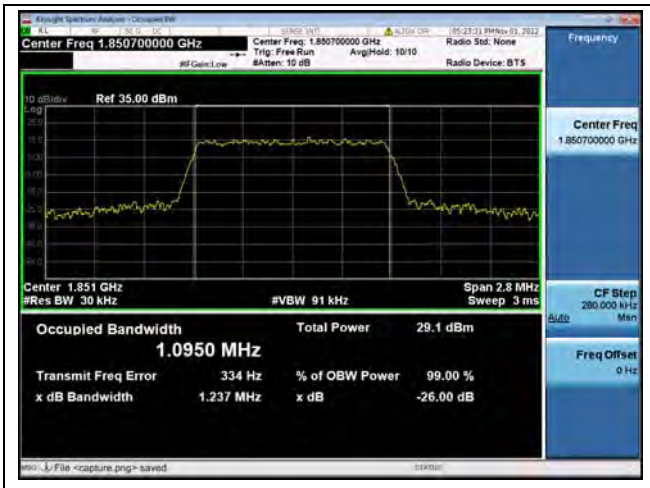
LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.25
	Low	16QAM	1.10	1.24
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.26
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.25
3	Low	QPSK	2.71	3.03
	Low	16QAM	2.71	3.05
	Mid	QPSK	2.71	3.03
	Mid	16QAM	2.71	3.05
	High	QPSK	2.71	3.03
	High	16QAM	2.71	3.06
5	Low	QPSK	4.49	4.97
	Low	16QAM	4.49	4.98
	Mid	QPSK	4.49	4.97
	Mid	16QAM	4.49	4.95
	High	QPSK	4.49	4.96
	High	16QAM	4.50	4.97
10	Low	QPSK	8.99	9.84
	Low	16QAM	8.98	9.81
	Mid	QPSK	9.00	9.87
	Mid	16QAM	8.97	9.86
	High	QPSK	9.01	9.88
	High	16QAM	8.98	9.85

LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.98
	Low	16QAM	4.50	4.99
	Mid	QPSK	4.49	5.00
	Mid	16QAM	4.50	4.99
	High	QPSK	4.49	4.98
	High	16QAM	4.50	4.97
10	Low	QPSK	9.03	9.91
	Low	16QAM	8.98	9.87
	Mid	QPSK	9.01	9.87
	Mid	16QAM	8.98	9.89
	High	QPSK	9.04	9.93
	High	16QAM	8.97	9.88
15	Low	QPSK	13.49	14.87
	Low	16QAM	13.50	14.95
	Mid	QPSK	13.46	14.95
	Mid	16QAM	13.51	15.03
	High	QPSK	13.51	14.91
	High	16QAM	13.49	15.05
20	Low	QPSK	17.99	19.75
	Low	16QAM	18.02	19.74
	Mid	QPSK	18.04	19.87
	Mid	16QAM	18.04	19.90
	High	QPSK	18.00	19.80
	High	16QAM	18.01	19.81

LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.09	1.24
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
3	Low	QPSK	2.71	3.04
	Low	16QAM	2.71	2.95
	Mid	QPSK	2.71	3.05
	Mid	16QAM	2.71	3.03
	High	QPSK	2.71	3.05
	High	16QAM	2.70	3.04
5	Low	QPSK	4.49	4.96
	Low	16QAM	4.48	4.95
	Mid	QPSK	4.49	4.95
	Mid	16QAM	4.50	4.99
	High	QPSK	4.49	4.95
	High	16QAM	4.49	4.99
10	Low	QPSK	8.98	9.85
	Low	16QAM	8.95	9.81
	Mid	QPSK	9.00	9.82
	Mid	16QAM	8.98	9.87
	High	QPSK	9.01	9.94
	High	16QAM	8.98	9.84

LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.96
	Low	16QAM	4.49	4.98
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.50	5.00
	High	QPSK	4.49	4.97
	High	16QAM	4.49	4.97
10	Low	QPSK	9.03	9.94
	Low	16QAM	8.98	9.86
	Mid	QPSK	9.02	9.92
	Mid	16QAM	8.98	9.83
	High	QPSK	9.03	9.89
	High	16QAM	8.98	9.92

LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.10	1.25
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.25
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.26
3	Low	QPSK	2.71	3.04
	Low	16QAM	2.71	3.03
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.71	3.05
	High	QPSK	2.71	3.03
	High	16QAM	2.72	2.91
5	Low	QPSK	4.49	4.95
	Low	16QAM	4.50	4.97
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.49	4.97
	High	QPSK	4.49	4.97
	High	16QAM	4.49	4.94
10	Low	QPSK	9.01	9.89
	Low	16QAM	8.98	9.88
	Mid	QPSK	9.01	9.93
	Mid	16QAM	8.99	9.84
	High	QPSK	9.02	9.91
	High	16QAM	8.98	9.82
15	Low	QPSK	13.49	14.91
	Low	16QAM	13.50	14.93
	Mid	QPSK	13.48	14.88
	Mid	16QAM	13.47	15.00
	High	QPSK	13.51	14.85
	High	16QAM	13.50	15.04
20	Low	QPSK	17.99	19.73
	Low	16QAM	18.05	19.84
	Mid	QPSK	18.00	19.74
	Mid	16QAM	18.03	19.89
	High	QPSK	18.04	19.81
	High	16QAM	18.06	19.73



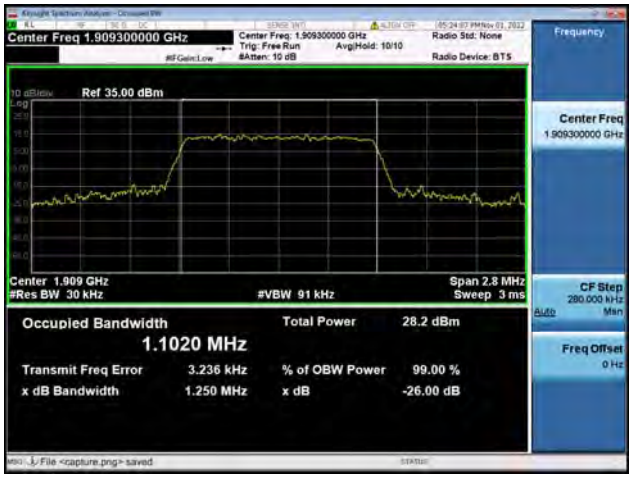
Band2 / 1.4MHz / QPSK/ Low CH

Band2 / 1.4MHz / 16QAM/ Low CH

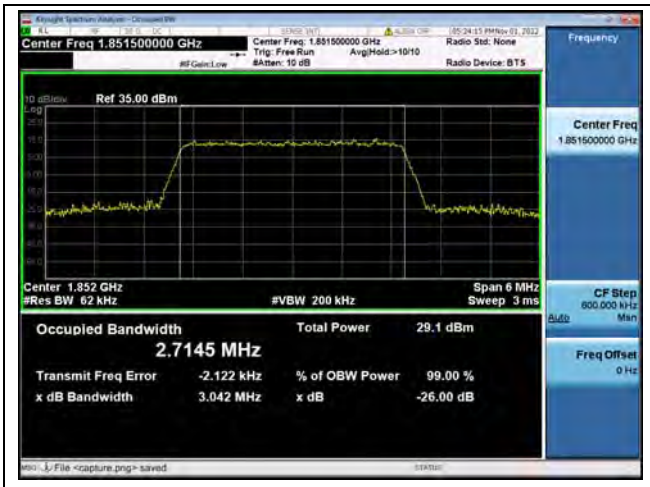
Band2 / 1.4MHz / QPSK/ Mid CH

Band2 / 1.4MHz / 16QAM/ Mid CH

Band2 / 1.4MHz / QPSK/ High CH



Band2 / 1.4MHz / 16QAM/ High CH

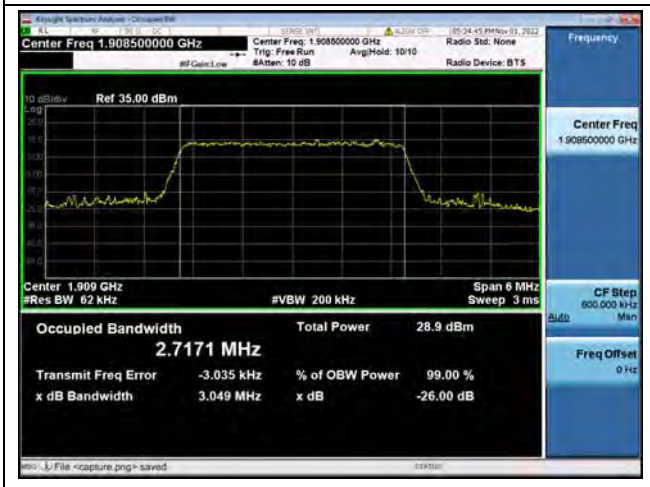


Band2 / 3MHz / QPSK/ Low CH

Band2 / 3MHz / 16QAM/ Low CH

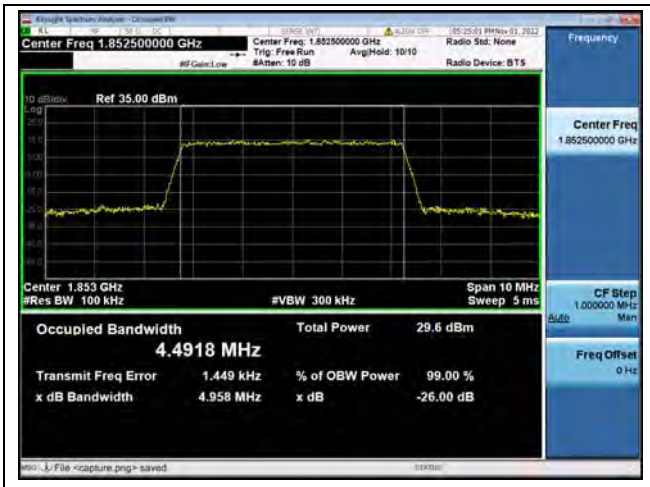
Band2 / 3MHz / QPSK/ Mid CH

Band2 / 3MHz / 16QAM/ Mid CH



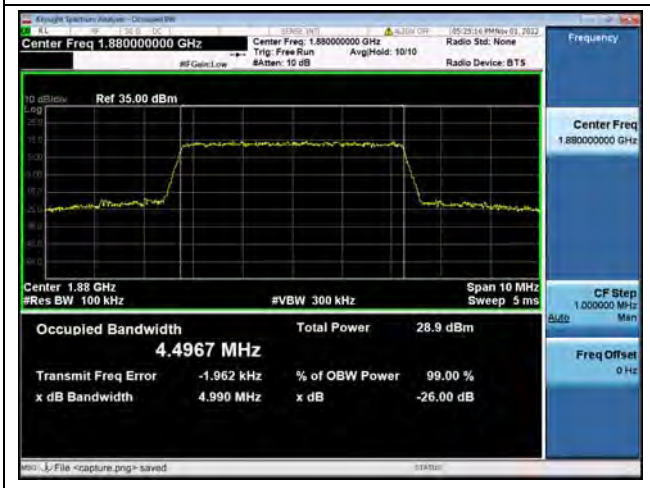
Band2 / 3MHz / QPSK/ High CH

Band2 / 3MHz / 16QAM/ High CH



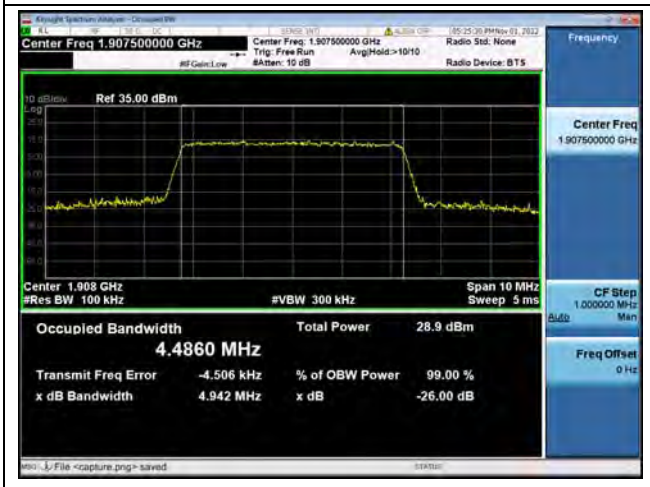
Band2 / 5MHz / QPSK/ Low CH

Band2 / 5MHz / 16QAM/ Low CH



Band2 / 5MHz / QPSK/ Mid CH

Band2 / 5MHz / 16QAM/ Mid CH



Band2 / 5MHz / QPSK/ High CH

Band2 / 5MHz / 16QAM/ High CH

Band2 / 10MHz / QPSK/ Low CH

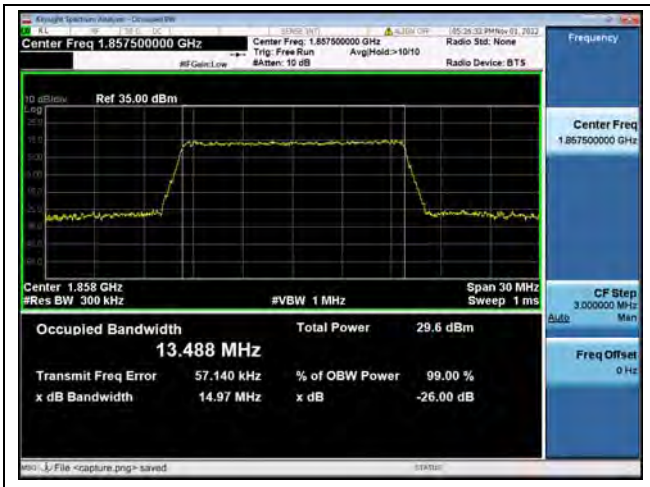
Band2 / 10MHz / 16QAM/ Low CH

Band2 / 10MHz / QPSK/ Mid CH

Band2 / 10MHz / 16QAM/ Mid CH

Band2 / 10MHz / QPSK/ High CH

Band2 / 10MHz / 16QAM/ High CH



Band2 / 15MHz / QPSK/ Low CH

Band2 / 15MHz / 16QAM/ Low CH

Band2 / 15MHz / QPSK/ Mid CH

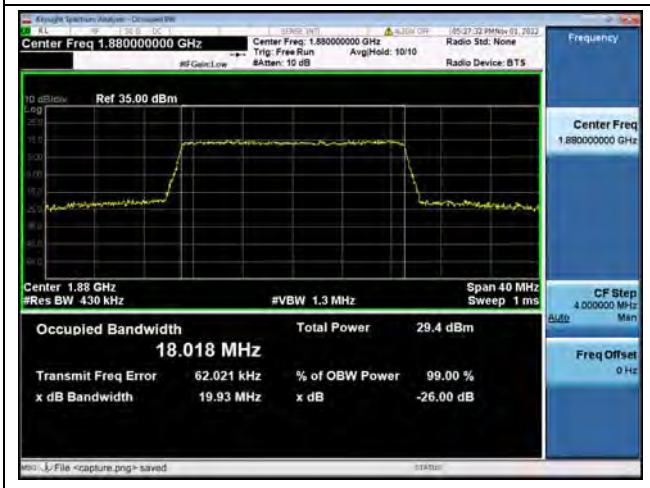
Band2 / 15MHz / 16QAM/ Mid CH

Band2 / 15MHz / QPSK/ High CH

Band2 / 15MHz / 16QAM/ High CH

Band2 / 20MHz / QPSK/ Low CH

Band2 / 20MHz / 16QAM/ Low CH



Band2 / 20MHz / QPSK/ Mid CH

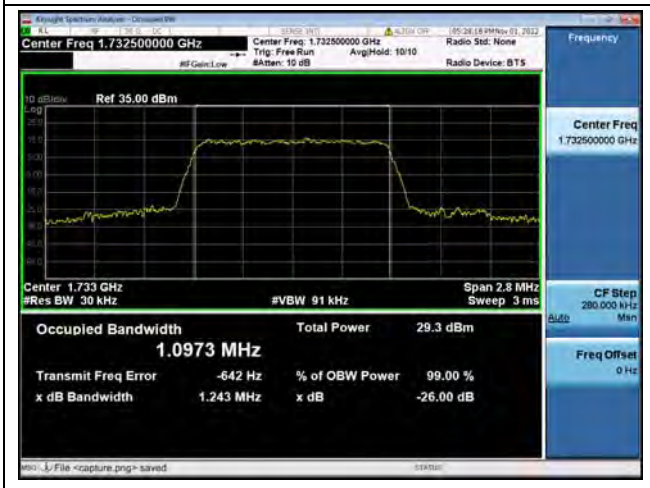
Band2 / 20MHz / 16QAM/ Mid CH

Band2 / 20MHz / QPSK/ High CH

Band2 / 20MHz / 16QAM/ High CH

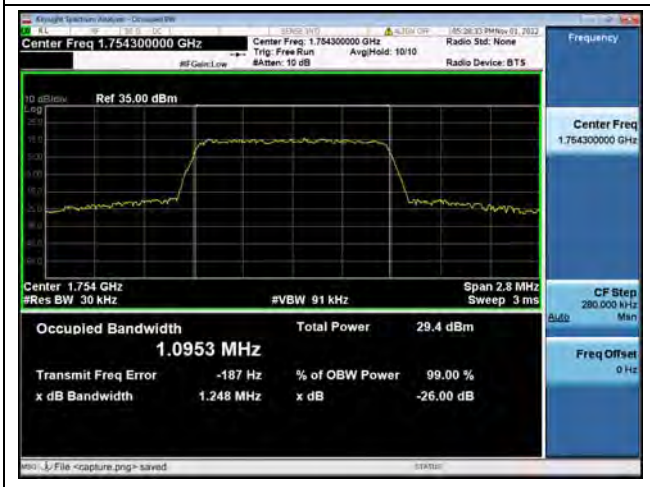
Band4 / 1.4MHz / QPSK/ Low CH

Band4 / 1.4MHz / 16QAM/ Low CH



Band4 / 1.4MHz / QPSK/ Mid CH

Band4 / 1.4MHz / 16QAM/ Mid CH

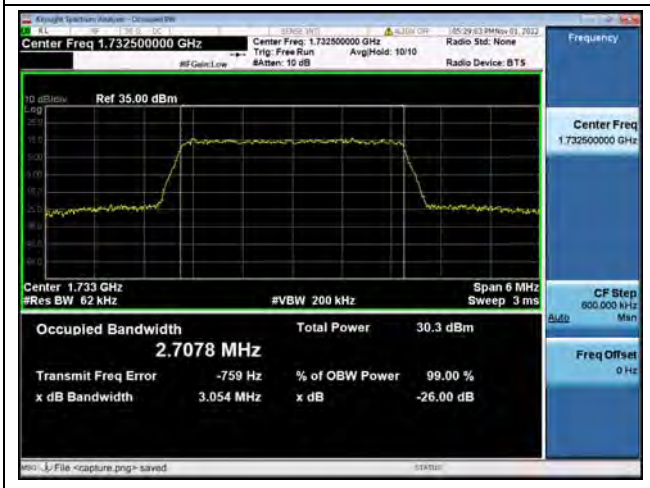


Band4 / 1.4MHz / QPSK/ High CH

Band4 / 1.4MHz / 16QAM/ High CH

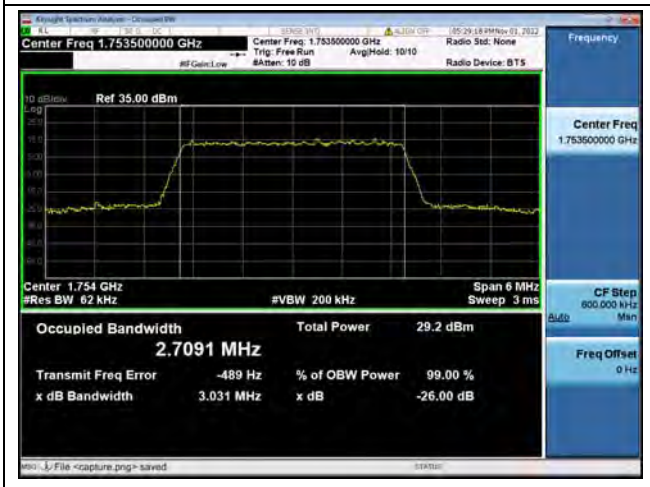
Band4 / 3MHz / QPSK/ Low CH

Band4 / 3MHz / 16QAM/ Low CH



Band4 / 3MHz / QPSK/ Mid CH

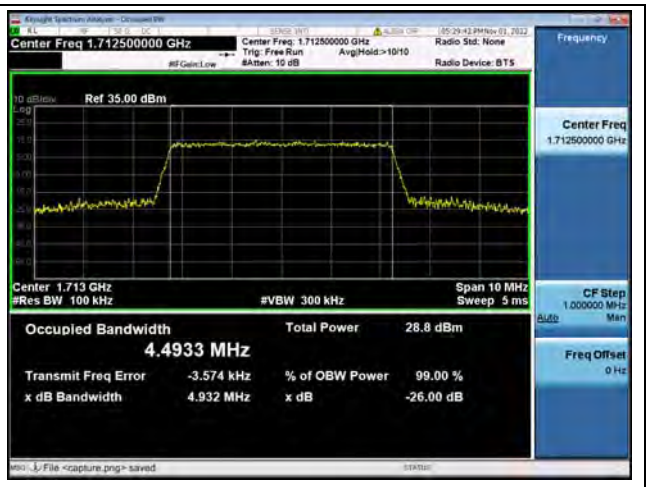
Band4 / 3MHz / 16QAM/ Mid CH



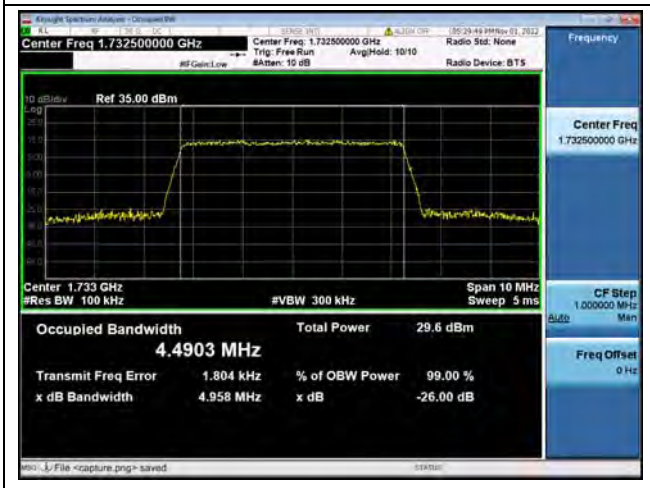
Band4 / 3MHz / QPSK/ High CH

Band4 / 3MHz / 16QAM/ High CH

Band4 / 5MHz / QPSK/ Low CH

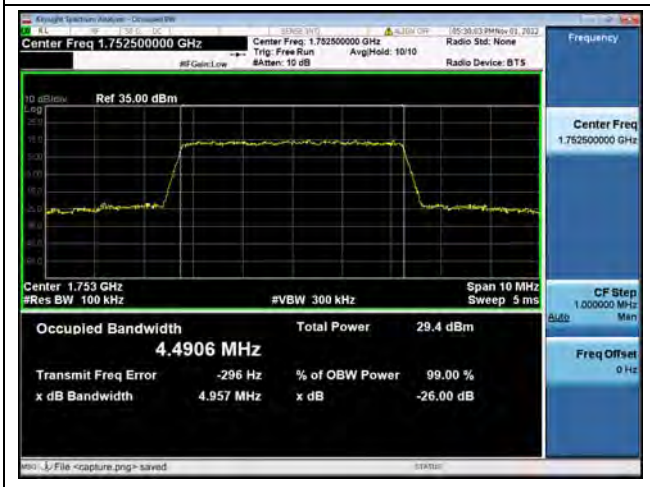


Band4 / 5MHz / 16QAM/ Low CH



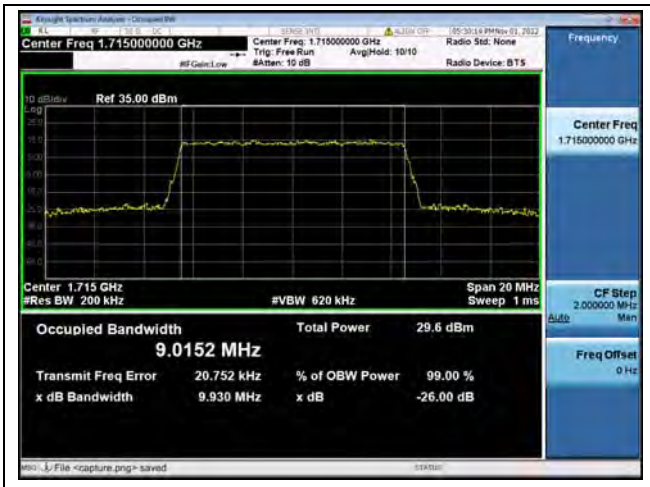
Band4 / 5MHz / QPSK/ Mid CH

Band4 / 5MHz / 16QAM/ Mid CH



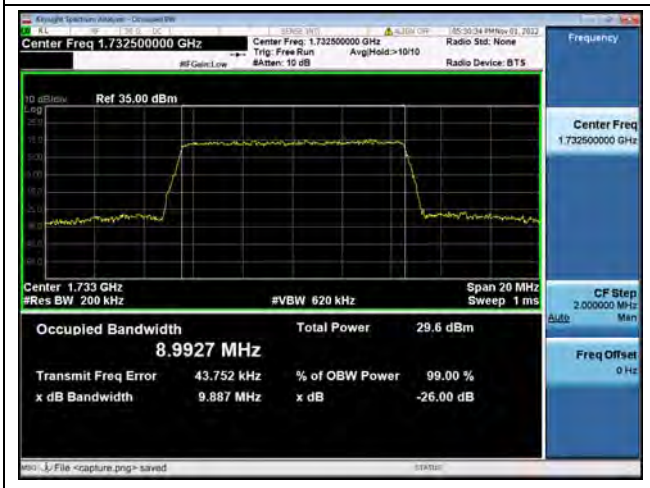
Band4 / 5MHz / QPSK/ High CH

Band4 / 5MHz / 16QAM/ High CH



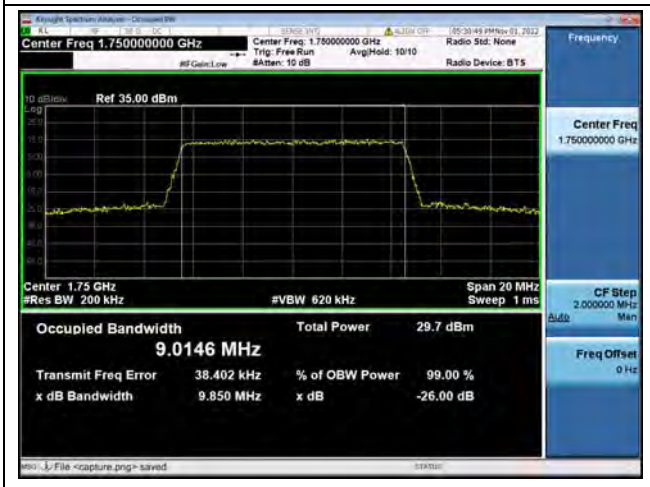
Band4 / 10MHz / QPSK/ Low CH

Band4 / 10MHz / 16QAM/ Low CH



Band4 / 10MHz / QPSK/ Mid CH

Band4 / 10MHz / 16QAM/ Mid CH

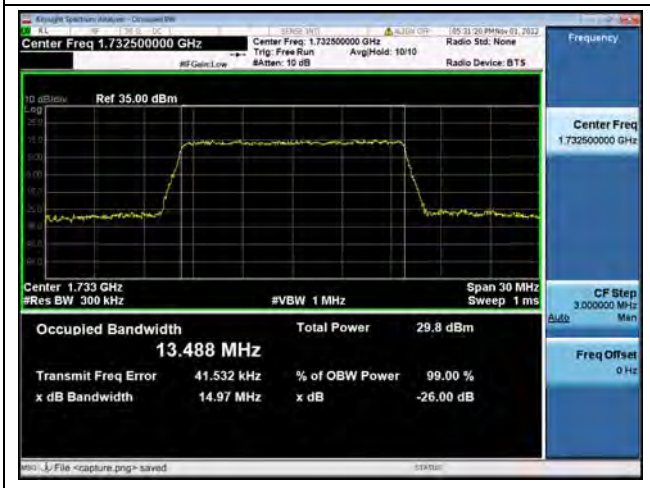


Band4 / 10MHz / QPSK/ High CH

Band4 / 10MHz / 16QAM/ High CH

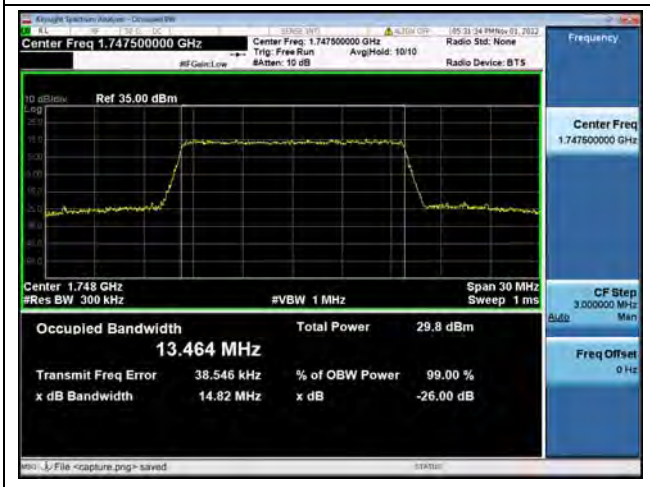
Band4 / 15MHz / QPSK/ Low CH

Band4 / 15MHz / 16QAM/ Low CH



Band4 / 15MHz / QPSK/ Mid CH

Band4 / 15MHz / 16QAM/ Mid CH

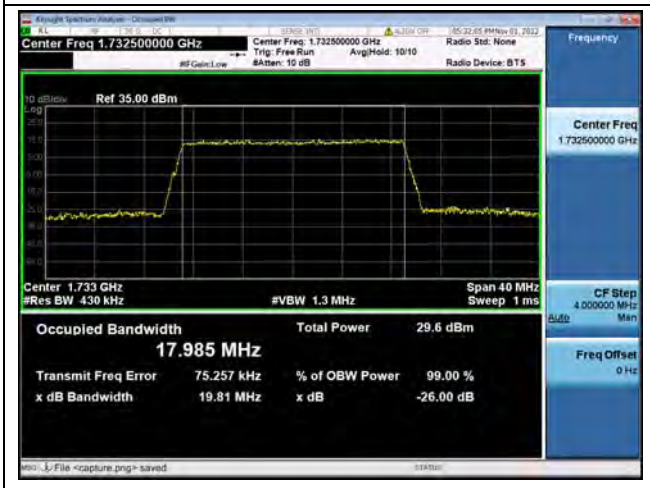


Band4 / 15MHz / QPSK/ High CH

Band4 / 15MHz / 16QAM/ High CH

Band4 / 20MHz / QPSK/ Low CH

Band4 / 20MHz / 16QAM/ Low CH



Band4 / 20MHz / QPSK/ Mid CH

Band4 / 20MHz / 16QAM/ Mid CH

Band4 / 20MHz / QPSK/ High CH

Band4 / 20MHz / 16QAM/ High CH

Band5 / 1.4MHz / QPSK/ Low CH

Band5 / 1.4MHz / 16QAM/ Low CH

Band5 / 1.4MHz / QPSK/ Mid CH

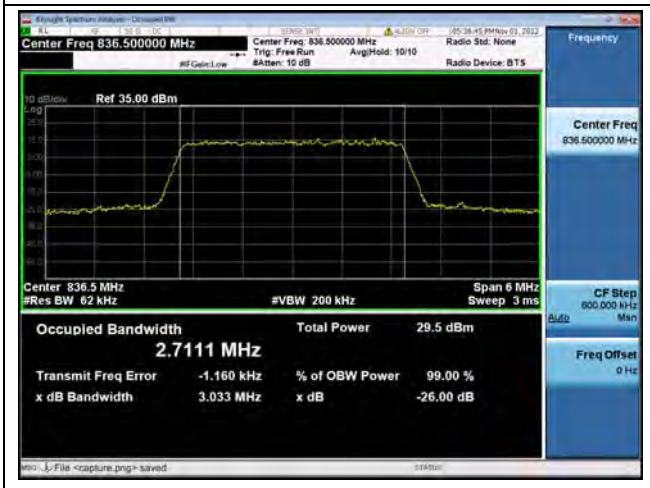
Band5 / 1.4MHz / 16QAM/ Mid CH

Band5 / 1.4MHz / QPSK/ High CH

Band5 / 1.4MHz / 16QAM/ High CH

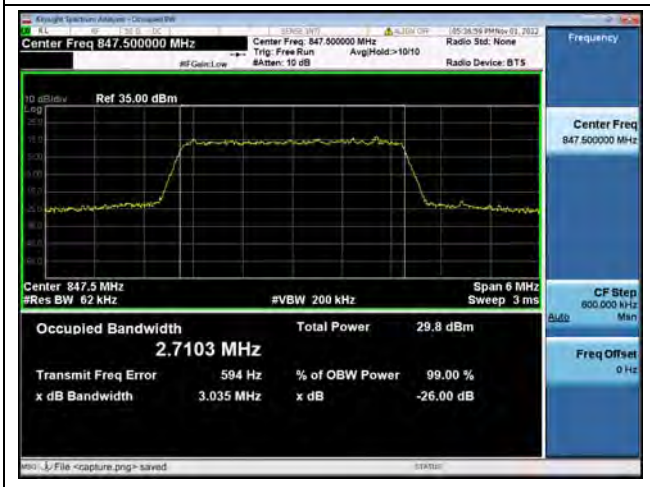
Band5 / 3MHz / QPSK/ Low CH

Band5 / 3MHz / 16QAM/ Low CH



Band5 / 3MHz / QPSK/ Mid CH

Band5 / 3MHz / 16QAM/ Mid CH



Band5 / 3MHz / QPSK/ High CH

Band5 / 3MHz / 16QAM/ High CH

Band5 / 5MHz / QPSK/ Low CH

Band5 / 5MHz / 16QAM/ Low CH

Band5 / 5MHz / QPSK/ Mid CH

Band5 / 5MHz / 16QAM/ Mid CH

Band5 / 5MHz / QPSK/ High CH

Band5 / 5MHz / 16QAM/ High CH

Band5 / 10MHz / QPSK/ Low CH

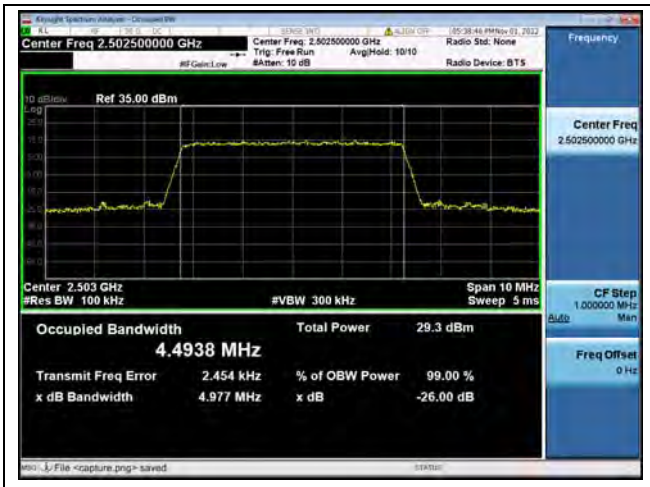
Band5 / 10MHz / 16QAM/ Low CH

Band5 / 10MHz / QPSK/ Mid CH

Band5 / 10MHz / 16QAM/ Mid CH

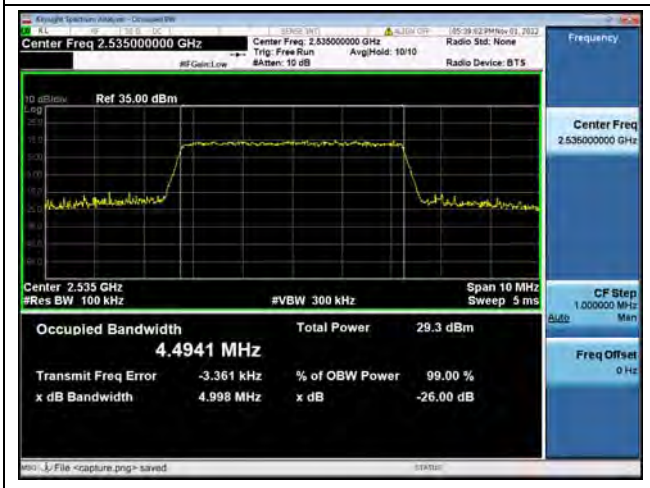
Band5 / 10MHz / QPSK/ High CH

Band5 / 10MHz / 16QAM/ High CH



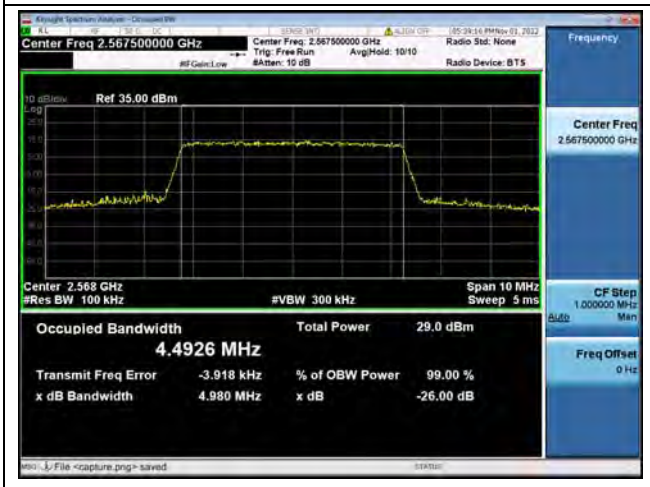
Band7 / 5MHz / QPSK/ Low CH

Band7 / 5MHz / 16QAM/ Low CH



Band7 / 5MHz / QPSK/ Mid CH

Band7 / 5MHz / 16QAM/ Mid CH

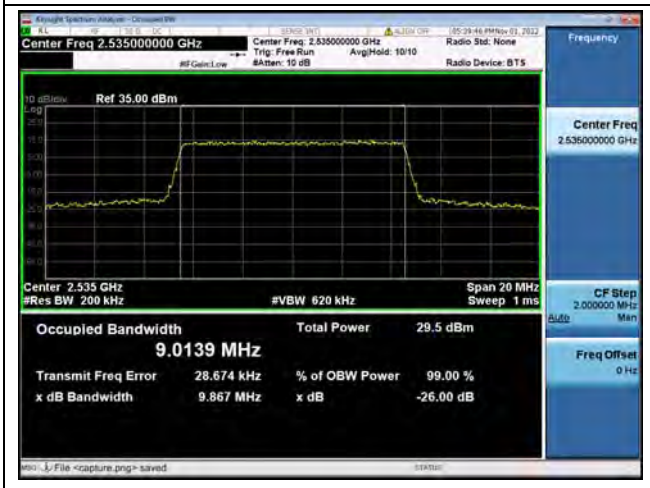


Band7 / 5MHz / QPSK/ High CH

Band7 / 5MHz / 16QAM/ High CH

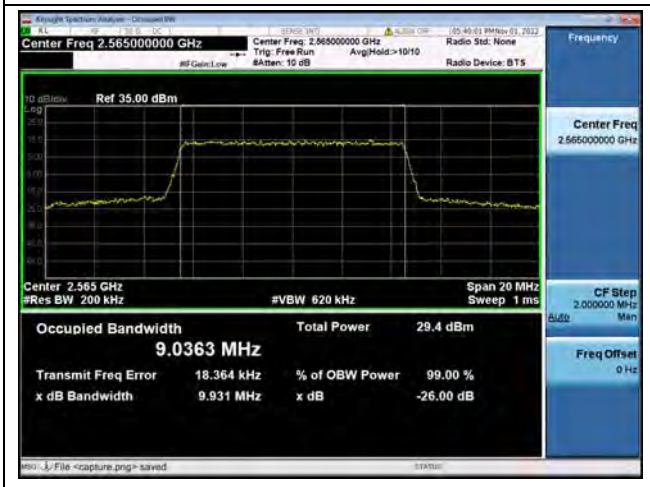
Band7 / 10MHz / QPSK/ Low CH

Band7 / 10MHz / 16QAM/ Low CH



Band7 / 10MHz / QPSK/ Mid CH

Band7 / 10MHz / 16QAM/ Mid CH

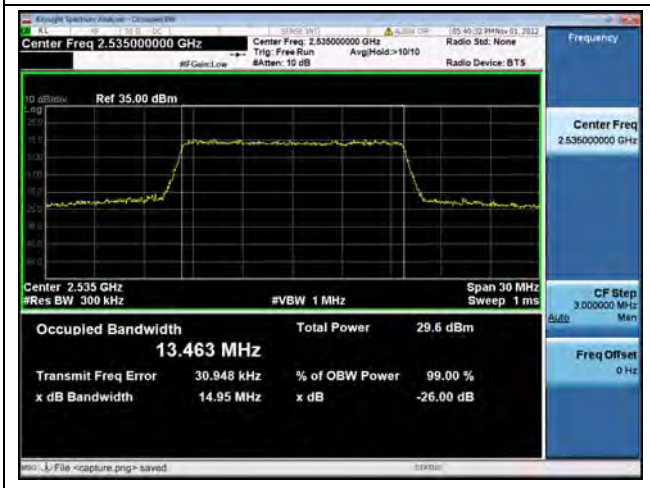


Band7 / 10MHz / QPSK/ High CH

Band7 / 10MHz / 16QAM/ High CH

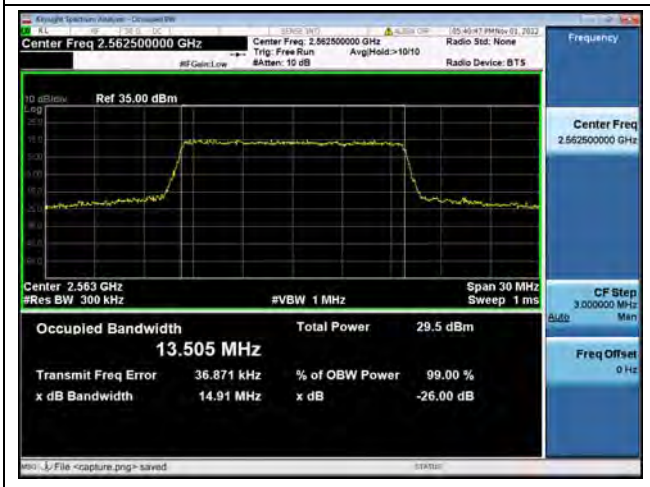
Band7 / 15MHz / QPSK/ Low CH

Band7 / 15MHz / 16QAM/ Low CH



Band7 / 15MHz / QPSK/ Mid CH

Band7 / 15MHz / 16QAM/ Mid CH

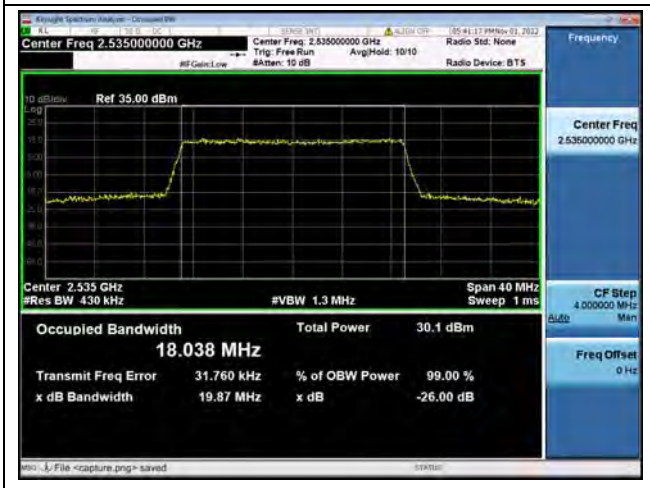


Band7 / 15MHz / QPSK/ High CH

Band7 / 15MHz / 16QAM/ High CH

Band7 / 20MHz / QPSK/ Low CH

Band7 / 20MHz / 16QAM/ Low CH



Band7 / 20MHz / QPSK/ Mid CH

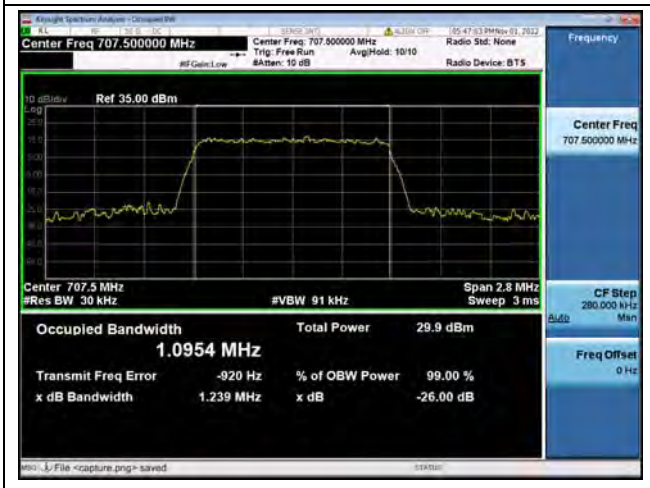
Band7 / 20MHz / 16QAM/ Mid CH

Band7 / 20MHz / QPSK/ High CH

Band7 / 20MHz / 16QAM/ High CH

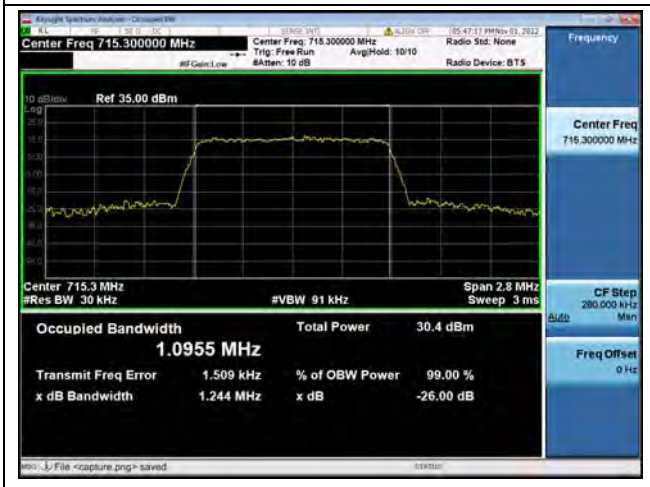
Band12 / 1.4MHz / QPSK/ Low CH

Band12 / 1.4MHz / 16QAM/ Low CH



Band12 / 1.4MHz / QPSK/ Mid CH

Band12 / 1.4MHz / 16QAM/ Mid CH

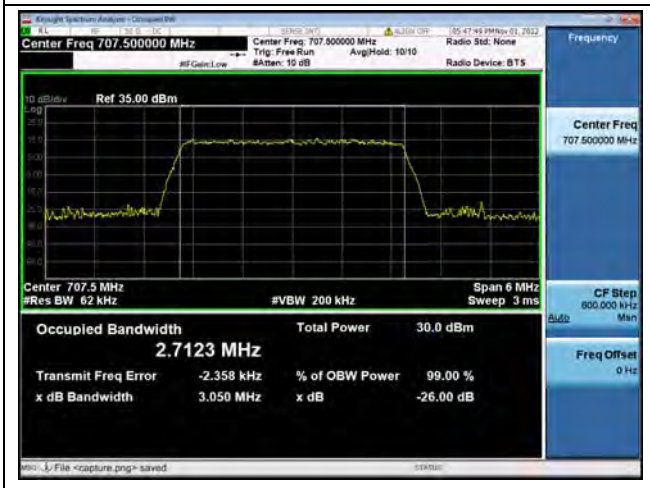


Band12 / 1.4MHz / QPSK/ High CH

Band12 / 1.4MHz / 16QAM/ High CH

Band12 / 3MHz / QPSK/ Low CH

Band12 / 3MHz / 16QAM/ Low CH



Band12 / 3MHz / QPSK/ Mid CH

Band12 / 3MHz / 16QAM/ Mid CH

Band12 / 3MHz / QPSK/ High CH

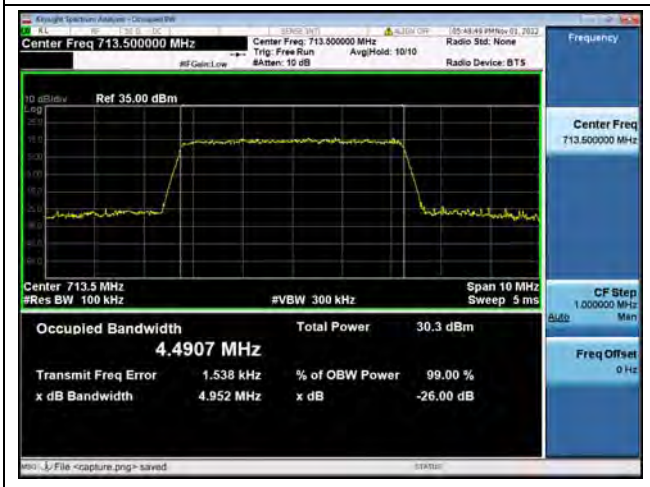
Band12 / 3MHz / 16QAM/ High CH

Band12 / 5MHz / QPSK/ Low CH

Band12 / 5MHz / 16QAM/ Low CH

Band12 / 5MHz / QPSK/ Mid CH

Band12 / 5MHz / 16QAM/ Mid CH



Band12 / 5MHz / QPSK/ High CH

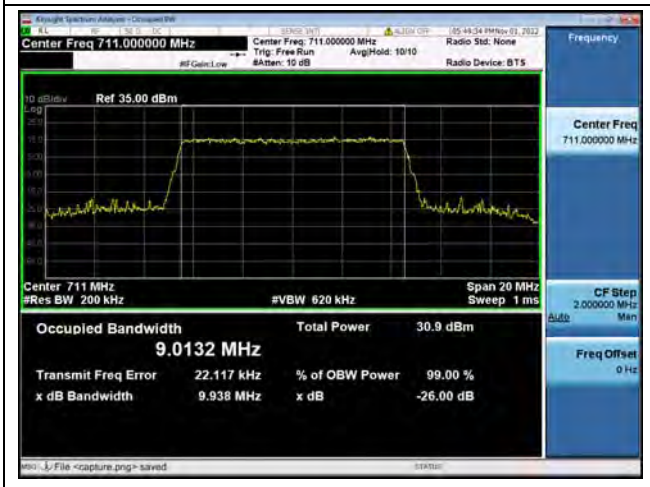
Band12 / 5MHz / 16QAM/ High CH

Band12 / 10MHz / QPSK/ Low CH

Band12 / 10MHz / 16QAM/ Low CH

Band12 / 10MHz / QPSK/ Mid CH

Band12 / 10MHz / 16QAM/ Mid CH



Band12 / 10MHz / QPSK/ High CH

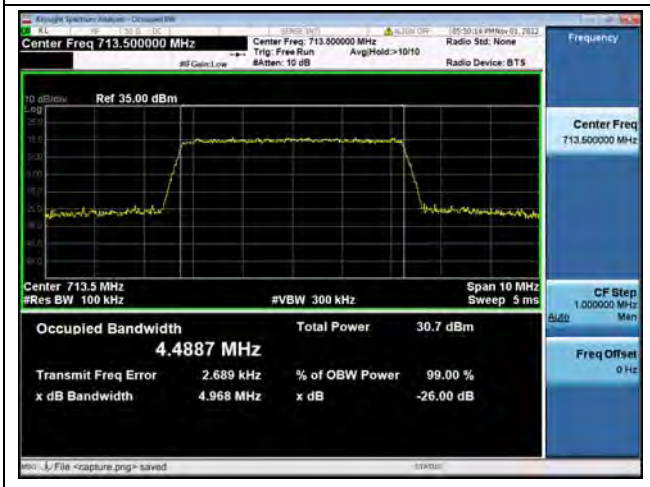
Band12 / 10MHz / 16QAM/ High CH

Band17 / 5MHz / QPSK/ Low CH

Band17 / 5MHz / 16QAM/ Low CH

Band17 / 5MHz / QPSK/ Mid CH

Band17 / 5MHz / 16QAM/ Mid CH



Band17 / 5MHz / QPSK/ High CH

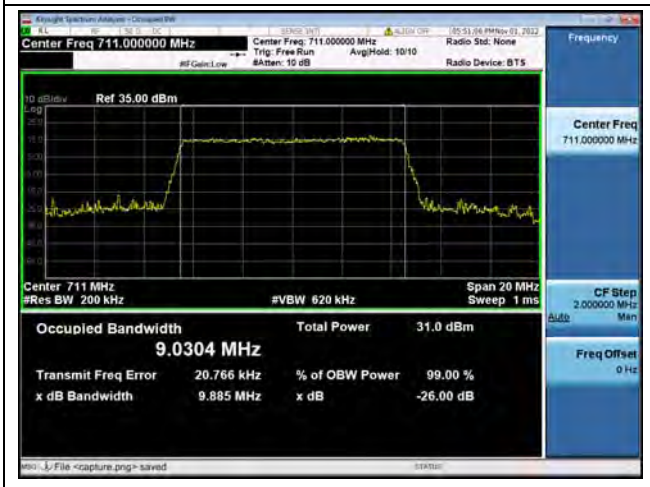
Band17 / 5MHz / 16QAM/ High CH

Band17 / 10MHz / QPSK/ Low CH

Band17 / 10MHz / 16QAM/ Low CH

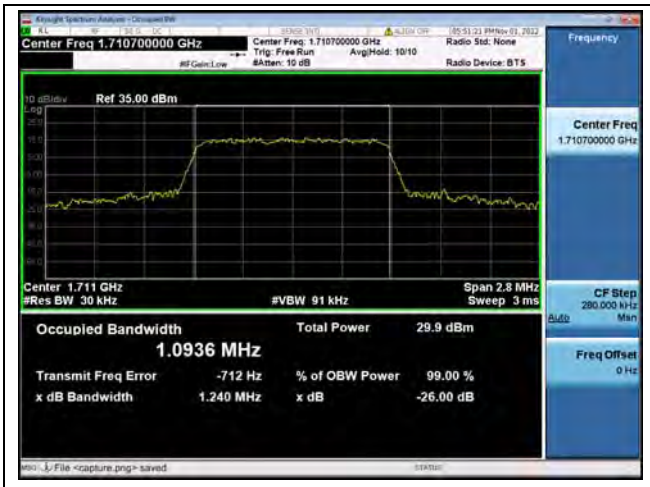
Band17 / 10MHz / QPSK/ Mid CH

Band17 / 10MHz / 16QAM/ Mid CH



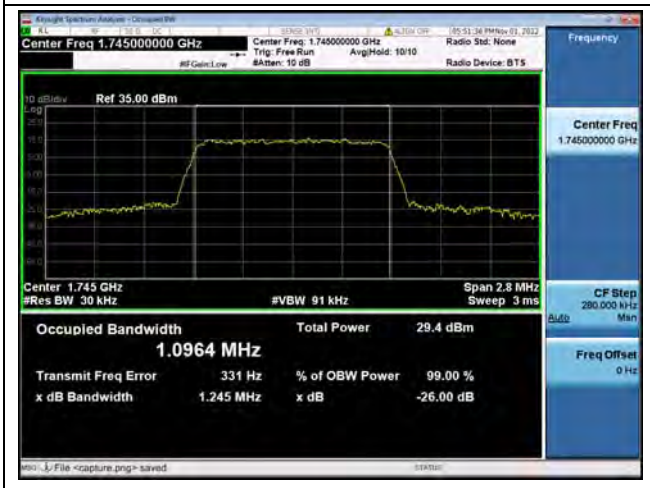
Band17 / 10MHz / QPSK/ High CH

Band17 / 10MHz / 16QAM/ High CH



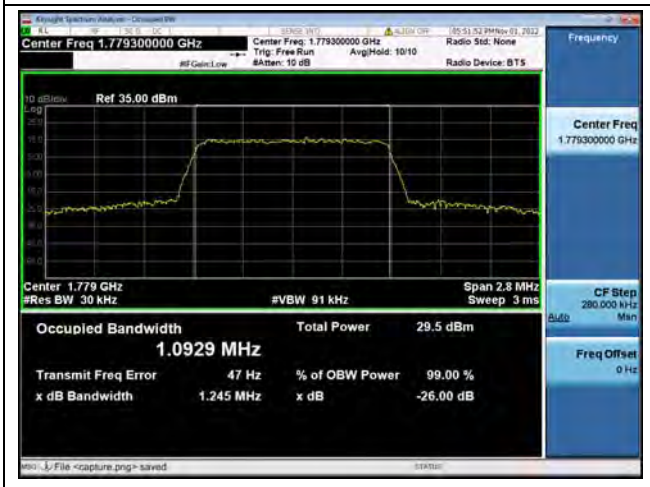
Band66 / 1.4MHz / QPSK/ Low CH

Band66 / 1.4MHz / 16QAM/ Low CH



Band66 / 1.4MHz / QPSK/ Mid CH

Band66 / 1.4MHz / 16QAM/ Mid CH



Band66 / 1.4MHz / QPSK/ High CH

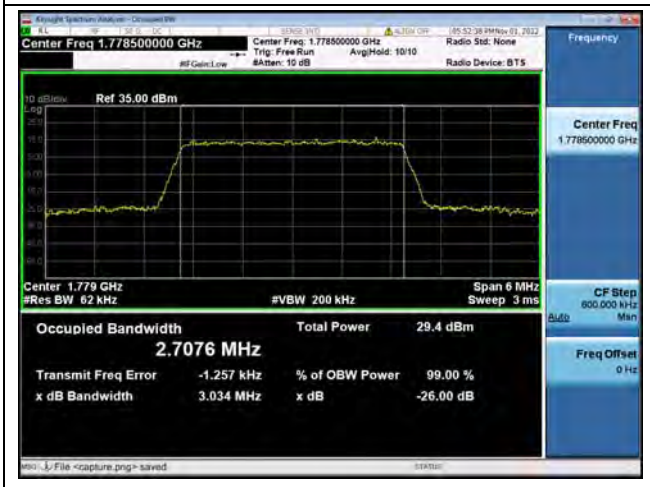
Band66 / 1.4MHz / 16QAM/ High CH

Band66 / 3MHz / QPSK/ Low CH

Band66 / 3MHz / 16QAM/ Low CH

Band66 / 3MHz / QPSK/ Mid CH

Band66 / 3MHz / 16QAM/ Mid CH



Band66 / 3MHz / QPSK/ High CH

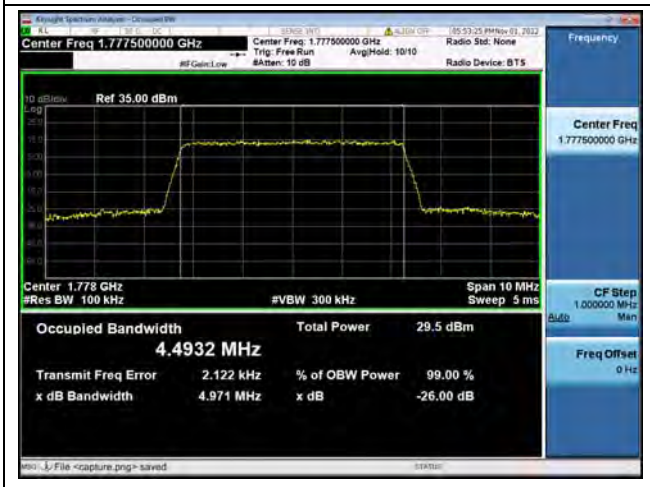
Band66 / 3MHz / 16QAM/ High CH

Band66 / 5MHz / QPSK/ Low CH

Band66 / 5MHz / 16QAM/ Low CH

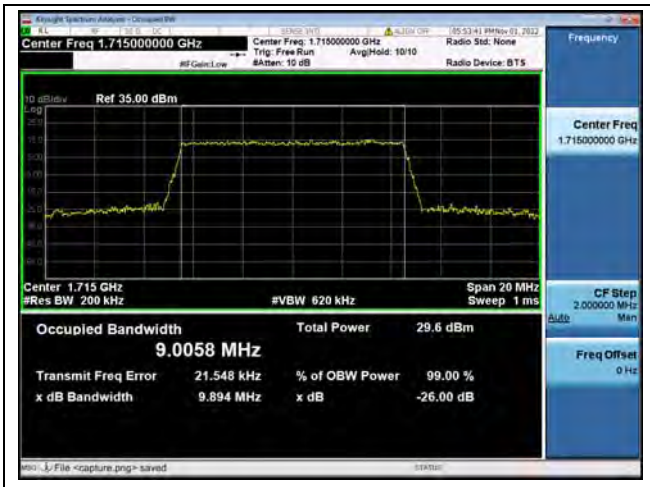
Band66 / 5MHz / QPSK/ Mid CH

Band66 / 5MHz / 16QAM/ Mid CH



Band66 / 5MHz / QPSK/ High CH

Band66 / 5MHz / 16QAM/ High CH

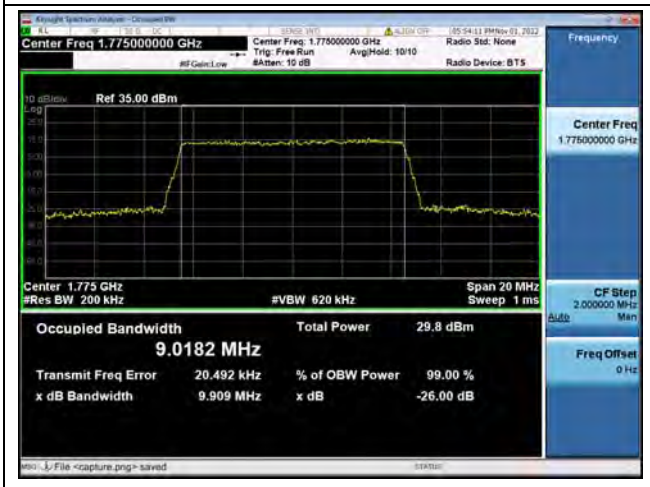


Band66 / 10MHz / QPSK/ Low CH

Band66 / 10MHz / 16QAM/ Low CH

Band66 / 10MHz / QPSK/ Mid CH

Band66 / 10MHz / 16QAM/ Mid CH

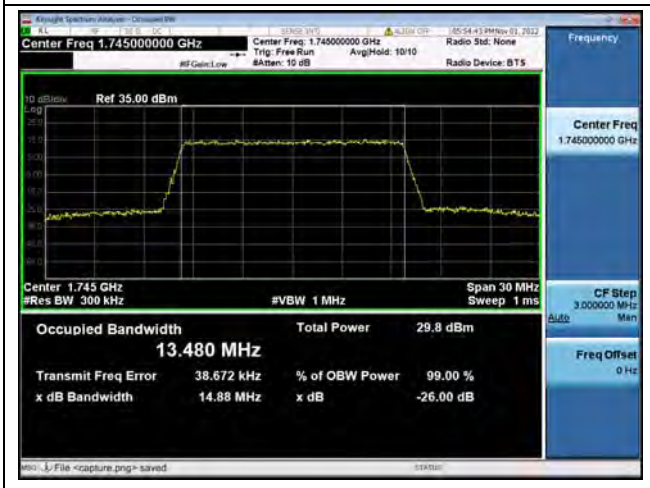


Band66 / 10MHz / QPSK/ High CH

Band66 / 10MHz / 16QAM/ High CH

Band66 / 15MHz / QPSK/ Low CH

Band66 / 15MHz / 16QAM/ Low CH



Band66 / 15MHz / QPSK/ Mid CH

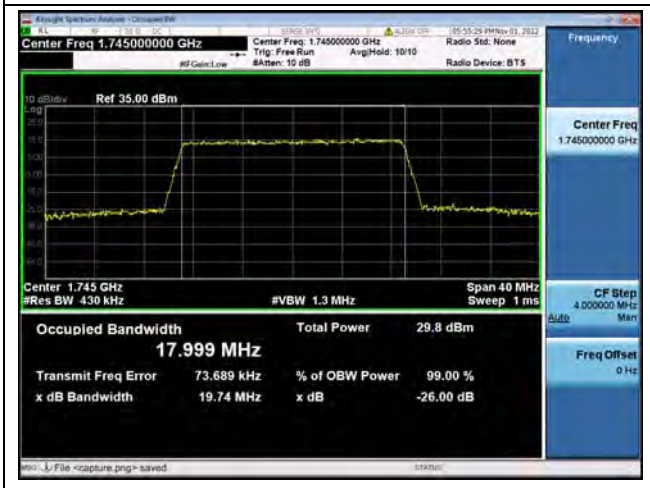
Band66 / 15MHz / 16QAM/ Mid CH

Band66 / 15MHz / QPSK/ High CH

Band66 / 15MHz / 16QAM/ High CH

Band66 / 20MHz / QPSK/ Low CH

Band66 / 20MHz / 16QAM/ Low CH



Band66 / 20MHz / QPSK/ Mid CH

Band66 / 20MHz / 16QAM/ Mid CH

Band66 / 20MHz / QPSK/ High CH

Band66 / 20MHz / 16QAM/ High CH

2.3. Frequency Stability

2.3.1. Requirement

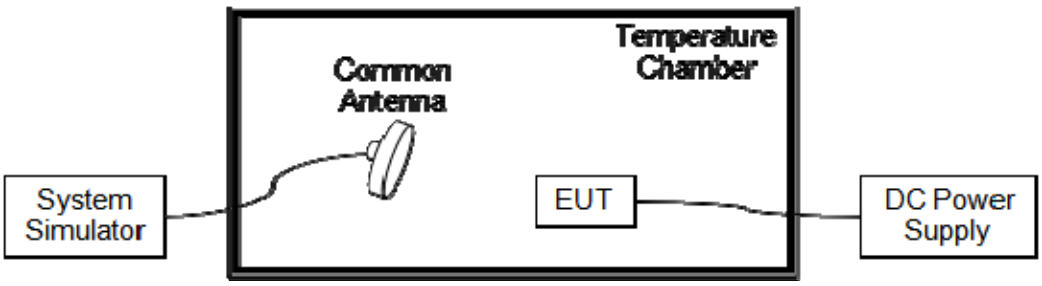
According to FCC section 2.1055, 24.235, 27.54, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

(a) The temperature is varied from -30°C to +50°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 55°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 3.55V, 4.35V and 3.80V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, QPSK, Channel 18900, Frequency 1880.0MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	-44	-0.023	PASS
Normal		0	16	0.009	
Normal		+10	48	0.026	
Normal		+20	-14	-0.007	
Normal		+30	-29	-0.015	
Normal		+40	-41	-0.022	
Normal		+50	25	0.013	
Normal		+55	47	0.025	
High	4.35	+20	55	0.029	
BATT.ENDPOINT	3.55	+20	30	0.016	

LTE Band 4, QPSK, Channel 20175, Frequency 1732.5MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	-14	-0.008	PASS
Normal		0	-55	-0.032	
Normal		+10	28	0.016	
Normal		+20	50	0.029	
Normal		+30	-58	-0.033	
Normal		+40	53	0.031	
Normal		+50	28	0.016	
Normal		+55	42	0.024	
High	4.35	+20	-16	-0.009	
BATT.ENDPOINT	3.55	+20	13	0.008	

LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	47	0.056	PASS
Normal		0	34	0.041	
Normal		+10	-43	-0.051	
Normal		+20	51	0.061	
Normal		+30	-25	-0.030	
Normal		+40	50	0.060	
Normal		+50	21	0.025	
Normal		+55	33	0.039	
High	4.35	+20	-42	-0.050	
BATT.ENDPOINT	3.55	+20	45	0.054	

LTE Band 7, QPSK, Channel 21100, Frequency 2535MHz Limit= Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	49	0.019	PASS
Normal		0	50	0.020	
Normal		+10	20	0.008	
Normal		+20	56	0.022	
Normal		+30	-54	-0.021	
Normal		+40	-38	-0.015	
Normal		+50	20	0.008	
Normal		+55	-25	-0.010	
High	4.35	+20	-37	-0.015	
BATT.ENDPOINT	3.55	+20	49	0.019	

LTE Band 12, QPSK, Channel 23095, Frequency 707.5MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	-14	-0.020	PASS
Normal		0	43	0.061	
Normal		+10	-34	-0.048	
Normal		+20	56	0.079	
Normal		+30	-34	-0.048	
Normal		+40	-56	-0.079	
Normal		+50	44	0.062	
Normal		+55	21	0.030	
High	4.35	+20	-56	-0.079	
BATT.ENDPOINT	3.55	+20	16	0.023	

LTE Band 17, QPSK, Channel 23790, Frequency 710MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	18	0.025	PASS
Normal		0	31	0.044	
Normal		+10	32	0.045	
Normal		+20	16	0.023	
Normal		+30	25	0.035	
Normal		+40	-26	-0.037	
Normal		+50	-56	-0.079	
Normal		+55	21	0.030	
High	4.35	+20	33	0.046	
BATT.ENDPOINT	3.55	+20	-13	-0.018	

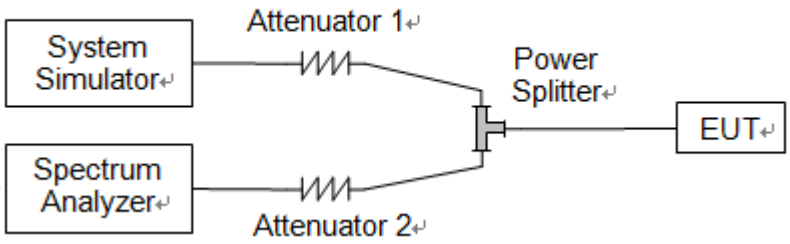
LTE Band 66, QPSK, Channel 132322, Frequency 1745.0MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	-25	-0.014	PASS
Normal		0	30	0.017	
Normal		+10	-41	-0.023	
Normal		+20	24	0.014	
Normal		+30	-20	-0.011	
Normal		+40	56	0.032	
Normal		+50	-59	-0.034	
Normal		+55	-15	-0.009	
High	4.35	+20	21	0.012	
BATT.ENDPOINT	3.55	+20	30	0.017	

2.4. Peak to Average Radio

2.4.1. Requirement

According to FCC section 24.232(d) and 27.50(d), 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%.

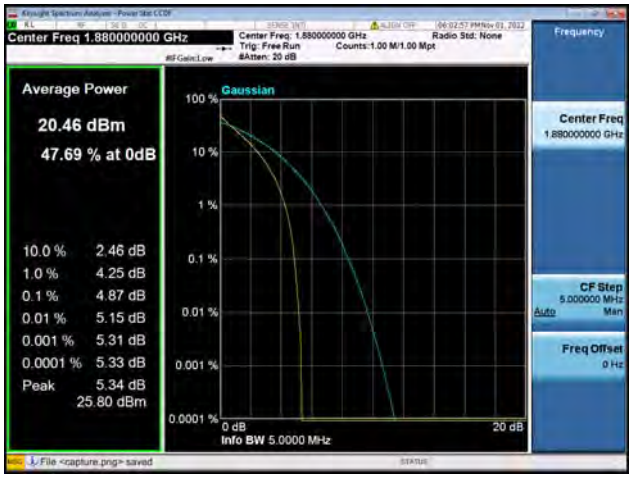
LTE Band 2					
BW(MHz)	**Channel Level**	**Modulation**	**PAR Radio(dB)**	**Limit(dB)**	**Verdict**
1.4	Low	QPSK	5.41	<=13	PASS
	Low	16QAM	6.33	<=13	PASS
	Mid	QPSK	4.87	<=13	PASS
	Mid	16QAM	5.71	<=13	PASS
	High	QPSK	4.80	<=13	PASS
	High	16QAM	5.79	<=13	PASS
3	Low	QPSK	5.60	<=13	PASS
	Low	16QAM	6.34	<=13	PASS
	Mid	QPSK	4.97	<=13	PASS
	Mid	16QAM	5.85	<=13	PASS
	High	QPSK	5.01	<=13	PASS
	High	16QAM	5.84	<=13	PASS
5	Low	QPSK	5.64	<=13	PASS
	Low	16QAM	6.26	<=13	PASS
	Mid	QPSK	5.12	<=13	PASS
	Mid	16QAM	5.82	<=13	PASS
	High	QPSK	5.14	<=13	PASS
	High	16QAM	5.79	<=13	PASS
10	Low	QPSK	5.75	<=13	PASS
	Low	16QAM	6.38	<=13	PASS
	Mid	QPSK	5.36	<=13	PASS
	Mid	16QAM	5.97	<=13	PASS
	High	QPSK	5.40	<=13	PASS
	High	16QAM	6.02	<=13	PASS
15	Low	QPSK	5.28	<=13	PASS
	Low	16QAM	6.35	<=13	PASS
	Mid	QPSK	5.33	<=13	PASS
	Mid	16QAM	6.27	<=13	PASS
	High	QPSK	5.19	<=13	PASS
	High	16QAM	6.29	<=13	PASS
20	Low	QPSK	6.03	<=13	PASS
	Low	16QAM	6.81	<=13	PASS
	Mid	QPSK	6.02	<=13	PASS
	Mid	16QAM	6.78	<=13	PASS
	High	QPSK	6.00	<=13	PASS
	High	16QAM	6.83	<=13	PASS

LTE Band 4					
BW(MHz)	**Channel Level**	**Modulation**	**PAR Radio(dB)**	**Limit(dB)**	**Verdict**
1.4	Low	QPSK	4.13	<=13	PASS
	Low	16QAM	5.37	<=13	PASS
	Mid	QPSK	6.03	<=13	PASS
	Mid	16QAM	6.55	<=13	PASS
	High	QPSK	5.13	<=13	PASS
	High	16QAM	5.99	<=13	PASS
3	Low	QPSK	5.33	<=13	PASS
	Low	16QAM	6.00	<=13	PASS
	Mid	QPSK	5.56	<=13	PASS
	Mid	16QAM	6.56	<=13	PASS
	High	QPSK	5.36	<=13	PASS
	High	16QAM	6.02	<=13	PASS
5	Low	QPSK	5.47	<=13	PASS
	Low	16QAM	6.13	<=13	PASS
	Mid	QPSK	5.74	<=13	PASS
	Mid	16QAM	6.34	<=13	PASS
	High	QPSK	5.44	<=13	PASS
	High	16QAM	6.09	<=13	PASS
10	Low	QPSK	5.61	<=13	PASS
	Low	16QAM	6.21	<=13	PASS
	Mid	QPSK	5.84	<=13	PASS
	Mid	16QAM	6.43	<=13	PASS
	High	QPSK	5.57	<=13	PASS
	High	16QAM	6.15	<=13	PASS
15	Low	QPSK	5.27	<=13	PASS
	Low	16QAM	6.28	<=13	PASS
	Mid	QPSK	5.26	<=13	PASS
	Mid	16QAM	6.41	<=13	PASS
	High	QPSK	5.23	<=13	PASS
	High	16QAM	6.32	<=13	PASS
20	Low	QPSK	5.95	<=13	PASS
	Low	16QAM	6.82	<=13	PASS
	Mid	QPSK	5.94	<=13	PASS
	Mid	16QAM	6.78	<=13	PASS
	High	QPSK	6.10	<=13	PASS
	High	16QAM	6.82	<=13	PASS

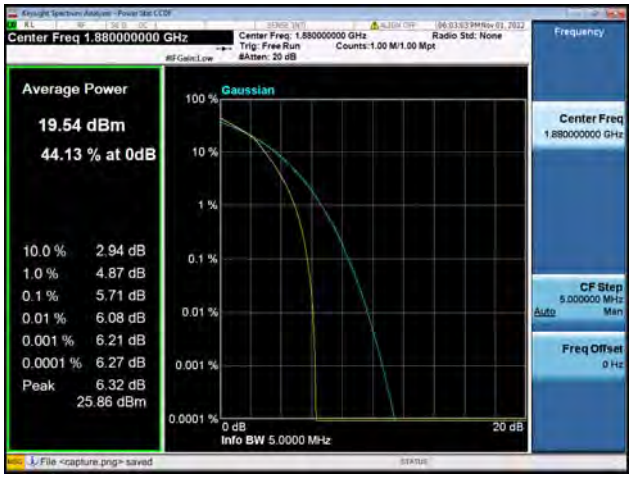
LTE Band 66					
BW(MHz)	**Channel Level**	**Modulation**	**PAR Radio(dB)**	**Limit(dB)**	**Verdict**
1.4	Low	QPSK	5.10	<=13	PASS
	Low	16QAM	5.98	<=13	PASS
	Mid	QPSK	4.73	<=13	PASS
	Mid	16QAM	5.66	<=13	PASS
	High	QPSK	5.00	<=13	PASS
	High	16QAM	5.89	<=13	PASS
3	Low	QPSK	5.28	<=13	PASS
	Low	16QAM	6.07	<=13	PASS
	Mid	QPSK	5.39	<=13	PASS
	Mid	16QAM	6.21	<=13	PASS
	High	QPSK	5.31	<=13	PASS
	High	16QAM	6.09	<=13	PASS
5	Low	QPSK	5.46	<=13	PASS
	Low	16QAM	6.06	<=13	PASS
	Mid	QPSK	5.51	<=13	PASS
	Mid	16QAM	6.17	<=13	PASS
	High	QPSK	5.46	<=13	PASS
	High	16QAM	6.13	<=13	PASS
10	Low	QPSK	5.58	<=13	PASS
	Low	16QAM	6.18	<=13	PASS
	Mid	QPSK	5.58	<=13	PASS
	Mid	16QAM	6.21	<=13	PASS
	High	QPSK	5.64	<=13	PASS
	High	16QAM	6.29	<=13	PASS
15	Low	QPSK	5.26	<=13	PASS
	Low	16QAM	6.34	<=13	PASS
	Mid	QPSK	5.26	<=13	PASS
	Mid	16QAM	6.36	<=13	PASS
	High	QPSK	5.31	<=13	PASS
	High	16QAM	6.39	<=13	PASS
20	Low	QPSK	5.96	<=13	PASS
	Low	16QAM	6.80	<=13	PASS
	Mid	QPSK	6.00	<=13	PASS
	Mid	16QAM	6.77	<=13	PASS
	High	QPSK	5.98	<=13	PASS
	High	16QAM	6.78	<=13	PASS

Band2 / 1.4MHz / Low CH / QPSK

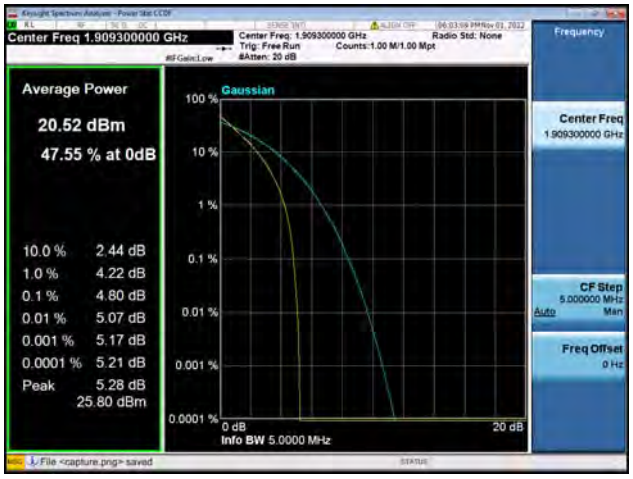
Band2 / 1.4MHz / Low CH / 16QAM



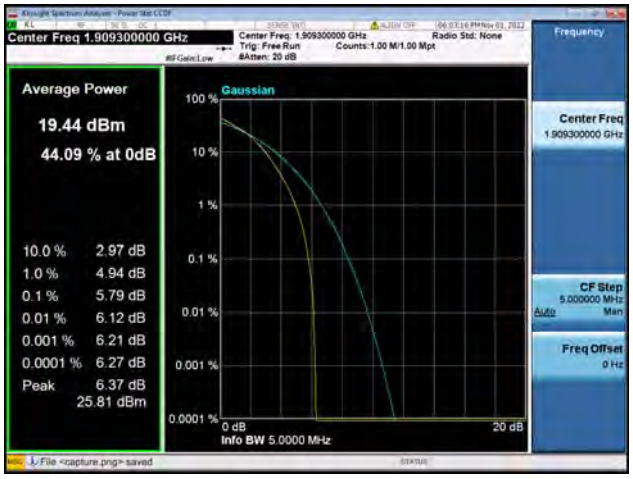
Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM



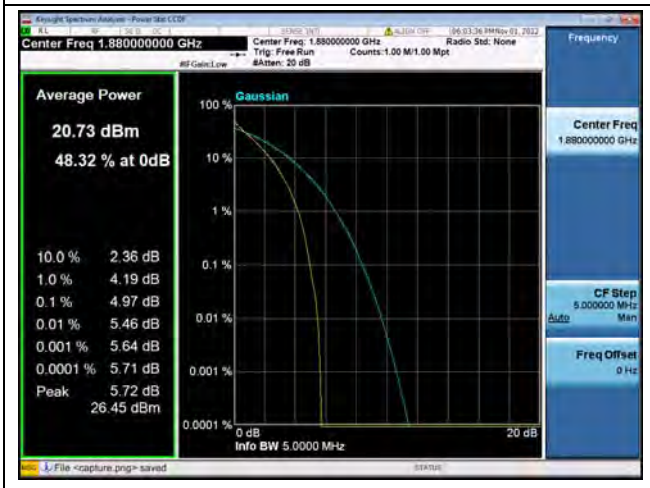
Band2 / 1.4MHz / High CH / QPSK



Band2 / 1.4MHz / High CH / 16QAM

Band2 / 3MHz / Low CH / QPSK

Band2 / 3MHz / Low CH / 16QAM



Band2 / 3MHz / Mid CH / QPSK

Band2 / 3MHz / Mid CH / 16QAM

Band2 / 3MHz / High CH / QPSK

Band2 / 3MHz / High CH / 16QAM

Band2 / 5MHz / Low CH / QPSK

Band2 / 5MHz / Low CH / 16QAM

Band2 / 5MHz / Mid CH / QPSK

Band2 / 5MHz / Mid CH / 16QAM

Band2 / 5MHz / High CH / QPSK

Band2 / 5MHz / High CH / 16QAM

Band2 / 10MHz / Low CH / QPSK

Band2 / 10MHz / Low CH / 16QAM

Band2 / 10MHz / Mid CH / QPSK

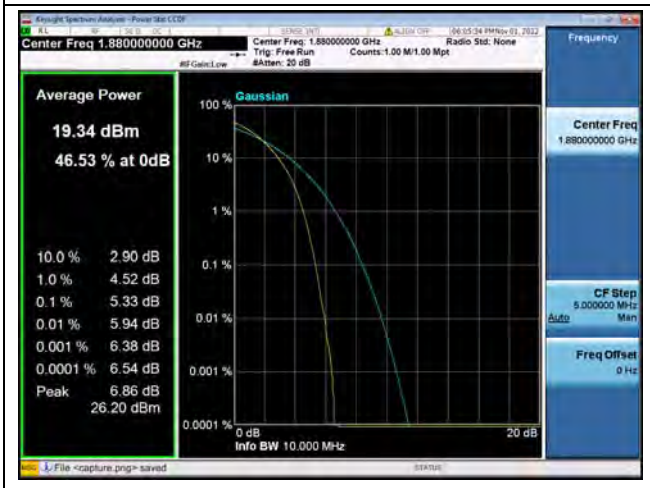
Band2 / 10MHz / Mid CH / 16QAM

Band2 / 10MHz / High CH / QPSK

Band2 / 10MHz / High CH / 16QAM

Band2 / 15MHz / Low CH / QPSK

Band2 / 15MHz / Low CH / 16QAM



Band2 / 15MHz / Mid CH / QPSK

Band2 / 15MHz / Mid CH / 16QAM

Band2 / 15MHz / High CH / QPSK

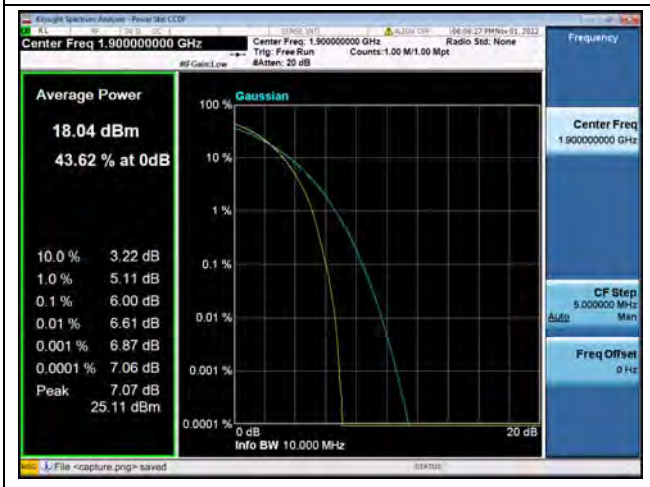
Band2 / 15MHz / High CH / 16QAM

Band2 / 20MHz / Low CH / QPSK

Band2 / 20MHz / Low CH / 16QAM

Band2 / 20MHz / Mid CH / QPSK

Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / High CH / QPSK

Band2 / 20MHz / High CH / 16QAM

Band4 / 1.4MHz / Low CH / QPSK

Band4 / 1.4MHz / Low CH / 16QAM

Band4 / 1.4MHz / Mid CH / QPSK

Band4 / 1.4MHz / Mid CH / 16QAM

Band4 / 1.4MHz / High CH / QPSK

Band4 / 1.4MHz / High CH / 16QAM

Band4 / 3MHz / Low CH / QPSK

Band4 / 3MHz / Low CH / 16QAM

Band4 / 3MHz / Mid CH / QPSK

Band4 / 3MHz / Mid CH / 16QAM

Band4 / 3MHz / High CH / QPSK

Band4 / 3MHz / High CH / 16QAM

Band4 / 5MHz / Low CH / QPSK

Band4 / 5MHz / Low CH / 16QAM

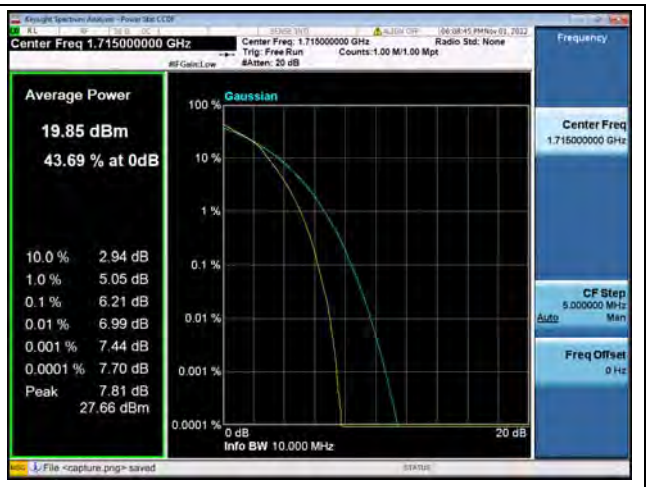
Band4 / 5MHz / Mid CH / QPSK

Band4 / 5MHz / Mid CH / 16QAM

Band4 / 5MHz / High CH / QPSK

Band4 / 5MHz / High CH / 16QAM

Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM

Band4 / 10MHz / Mid CH / QPSK

Band4 / 10MHz / Mid CH / 16QAM

Band4 / 10MHz / High CH / QPSK

Band4 / 10MHz / High CH / 16QAM

Band4 / 15MHz / Low CH / QPSK

Band4 / 15MHz / Low CH / 16QAM

Band4 / 15MHz / Mid CH / QPSK

Band4 / 15MHz / Mid CH / 16QAM

Band4 / 15MHz / High CH / QPSK

Band4 / 15MHz / High CH / 16QAM

Band4 / 20MHz / Low CH / QPSK

Band4 / 20MHz / Low CH / 16QAM

Band4 / 20MHz / Mid CH / QPSK

Band4 / 20MHz / Mid CH / 16QAM

Band4 / 20MHz / High CH / QPSK

Band4 / 20MHz / High CH / 16QAM