



REPORT No.: SZ24120064W06

TEST REPORT

APPLICANT : Power Idea Technology
(Shenzhen) Co., Ltd.

PRODUCT NAME : POC RADIO

MODEL NAME : PFL01G

MARKETING NAME : RG190

BRAND NAME : RugGear

FCC ID : ZLE-PFL01G

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

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Change History		
Version	Date	Reason for change
1.0	2025-01-22	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Power Idea Technology (Shenzhen) Co., Ltd.
Applicant Address:	4th Floor, A Section, Languang Science&technology, Xinxi RD, Hi-Tech Industrial Park North, Nanshan, ShenZhen, China
Manufacturer:	Power Idea Technology (Shenzhen) Co., Ltd.
Manufacturer Address:	4th Floor, A Section, Languang Science&technology, Xinxi RD, Hi-Tech Industrial Park North, Nanshan, ShenZhen, China

1.2. Equipment Under Test (EUT) Description

Product Name:	POC RADIO	
Sample No.:	3#, 9#	
Hardware Version:	V1.0	
Software Version:	RG190_00.00_1_20240910	
Modulation Type:	QPSK, 16QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 38 / 41	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 38	Tx: 2570MHz–2620MHz
		Rx: 2570MHz–2620MHz
	LTE Band 41	Tx: 2496MHz –2690MHz
		Rx: 2496MHz –2690MHz
Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz



	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	External Antenna	
Antenna Gain:	LTE Band 2	0.50dBi
	LTE Band 4	0.50dBi
	LTE Band 5	0.20dBi
	LTE Band 7	1.00dBi
	LTE Band 38	1.50dBi
	LTE Band 41	1.10dBi
Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	BL300OP
	Serial No.:	N/A
	Capacity:	3000mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	FPR Connectivity Technology (Dongguan) Inc.

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	0.229	0.192	17M9G7D	18M0W7D
15	0.225	0.190	13M5G7D	13M5W7D
10	0.221	0.186	9M00G7D	8M95W7D
5	0.220	0.185	4M50G7D	4M50W7D
3	0.217	0.183	2M69G7D	2M70W7D
1.4	0.215	0.181	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	0.230	0.202	17M9G7D	17M9W7D
15	0.225	0.198	13M5G7D	13M5W7D
10	0.222	0.195	9M00G7D	8M97W7D
5	0.221	0.194	4M50G7D	4M50W7D
3	0.219	0.192	2M70G7D	2M70W7D
1.4	0.216	0.190	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	0.149	0.109	9M00G7D	8M96W7D
5	0.147	0.107	4M50G7D	4M50W7D
3	0.145	0.106	2M69G7D	2M69W7D
1.4	0.142	0.104	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	0.266	0.215	17M9G7D	18M0W7D
15	0.262	0.212	13M5G7D	13M5W7D
10	0.257	0.208	9M00G7D	8M97W7D
5	0.253	0.205	4M50G7D	4M51W7D



LTE Band 38	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.267	0.217	17M9G7D	17M9W7D
15	0.264	0.214	13M5G7D	13M5W7D
10	0.259	0.210	8M97G7D	8M96W7D
5	0.256	0.207	4M50G7D	4M50W7D
LTE Band 41	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.242	0.191	17M9G7D	17M9W7D
15	0.237	0.187	13M5G7D	13M5W7D
10	0.237	0.187	8M99G7D	8M96W7D
5	0.234	0.185	4M50G7D	4M50W7D



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(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Jan. 08, 2024	Yu Xiaoming Gan Jing	PASS	No deviation
2.1049	Occupied Bandwidth	Dec. 29, 2024	Gan Jing	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jan. 08, 2024	Gan Jing	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Dec. 29, 2024	Gan Jing	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Jan. 06&07, 2024	Gan Jing	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(h) 27.53(m)(4)	Band Edge	Dec. 29, 2024	Gan Jing	PASS	No deviation
2.1053	Radiated	Dec. 30, 2024	Gao Jianrou	PASS	No deviation



22.917(a) 24.238(a) 27.53(h) 27.53(m)(4)	Spurious Emissions				
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: 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 3: 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 27L&M Requirements

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

2.1.1. Requirement

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

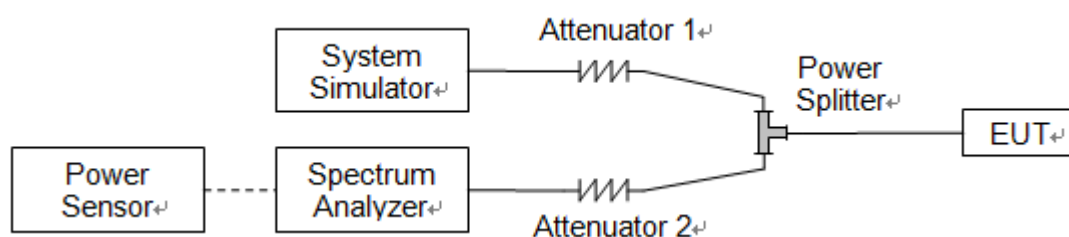
According to FCC section 24.232 (c) for LTE Band 2, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

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

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

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	23.05	23.09	23.06
20	QPSK	1	49	22.89	22.88	22.95
20	QPSK	1	99	22.63	22.66	22.69
20	QPSK	50	0	21.77	21.96	21.88
20	QPSK	50	24	21.85	21.93	21.77
20	QPSK	50	50	21.76	21.90	21.68
20	QPSK	100	0	21.83	21.87	21.75
20	16QAM	1	0	22.25	22.34	22.18
20	16QAM	1	49	22.19	22.25	22.24
20	16QAM	1	99	22.08	22.10	22.02
20	16QAM	50	0	21.10	21.18	21.13
20	16QAM	50	24	21.07	21.16	21.11
20	16QAM	50	50	20.94	21.01	20.93
20	16QAM	100	0	20.98	21.17	21.02



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.99	23.03	23.00
15	QPSK	1	37	22.83	22.82	22.89
15	QPSK	1	74	22.57	22.60	22.63
15	QPSK	36	0	21.71	21.90	21.82
15	QPSK	36	20	21.79	21.87	21.71
15	QPSK	36	39	21.70	21.84	21.62
15	QPSK	75	0	21.77	21.81	21.69
15	16QAM	1	0	22.19	22.28	22.12
15	16QAM	1	37	22.13	22.19	22.18
15	16QAM	1	74	22.02	22.04	21.96
15	16QAM	36	0	21.04	21.12	21.07
15	16QAM	36	20	21.01	21.10	21.05
15	16QAM	36	39	20.88	20.95	20.87
15	16QAM	75	0	20.92	21.11	20.96



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.91	22.95	22.92
10	QPSK	1	25	22.75	22.74	22.81
10	QPSK	1	49	22.49	22.52	22.55
10	QPSK	25	0	21.63	21.82	21.74
10	QPSK	25	12	21.71	21.79	21.63
10	QPSK	25	25	21.62	21.76	21.54
10	QPSK	50	0	21.69	21.73	21.61
10	16QAM	1	0	22.11	22.20	22.04
10	16QAM	1	25	22.05	22.11	22.10
10	16QAM	1	49	21.94	21.96	21.88
10	16QAM	25	0	20.96	21.04	20.99
10	16QAM	25	12	20.93	21.02	20.97
10	16QAM	25	25	20.80	20.87	20.79
10	16QAM	50	0	20.84	21.03	20.88



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.88	22.92	22.89
5	QPSK	1	12	22.72	22.71	22.78
5	QPSK	1	24	22.46	22.49	22.52
5	QPSK	12	0	21.60	21.79	21.71
5	QPSK	12	7	21.68	21.76	21.60
5	QPSK	12	13	21.59	21.73	21.51
5	QPSK	25	0	21.66	21.70	21.58
5	16QAM	1	0	22.08	22.17	22.01
5	16QAM	1	12	22.02	22.08	22.07
5	16QAM	1	24	21.91	21.93	21.85
5	16QAM	12	0	20.93	21.01	20.96
5	16QAM	12	7	20.90	20.99	20.94
5	16QAM	12	13	20.77	20.84	20.76
5	16QAM	25	0	20.81	21.00	20.85



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.83	22.87	22.84
3	QPSK	1	8	22.67	22.66	22.73
3	QPSK	1	14	22.41	22.44	22.47
3	QPSK	8	0	21.55	21.74	21.66
3	QPSK	8	4	21.63	21.71	21.55
3	QPSK	8	7	21.54	21.68	21.46
3	QPSK	15	0	21.61	21.65	21.53
3	16QAM	1	0	22.03	22.12	21.96
3	16QAM	1	8	21.97	22.03	22.02
3	16QAM	1	14	21.86	21.88	21.80
3	16QAM	8	0	20.88	20.96	20.91
3	16QAM	8	4	20.85	20.94	20.89
3	16QAM	8	7	20.72	20.79	20.71
3	16QAM	15	0	20.76	20.95	20.80



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.79	22.83	22.80
1.4	QPSK	1	3	22.63	22.62	22.69
1.4	QPSK	1	5	22.37	22.40	22.43
1.4	QPSK	3	0	21.51	21.70	21.62
1.4	QPSK	3	1	21.59	21.67	21.51
1.4	QPSK	3	3	21.50	21.64	21.42
1.4	QPSK	6	0	21.57	21.61	21.49
1.4	16QAM	1	0	21.99	22.08	21.92
1.4	16QAM	1	3	21.93	21.99	21.98
1.4	16QAM	1	5	21.82	21.84	21.76
1.4	16QAM	3	0	20.84	20.92	20.87
1.4	16QAM	3	1	20.81	20.90	20.85
1.4	16QAM	3	3	20.68	20.75	20.67
1.4	16QAM	6	0	20.72	20.91	20.76



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	23.09	23.11	23.05
20	QPSK	1	49	22.92	23.00	22.93
20	QPSK	1	99	22.97	23.04	22.95
20	QPSK	50	0	22.00	22.02	21.99
20	QPSK	50	24	21.99	22.00	21.90
20	QPSK	50	50	21.90	21.95	21.85
20	QPSK	100	0	21.92	21.97	21.94
20	16QAM	1	0	22.49	22.55	22.53
20	16QAM	1	49	22.44	22.51	22.46
20	16QAM	1	99	22.45	22.48	22.46
20	16QAM	50	0	21.22	21.31	21.26
20	16QAM	50	24	21.26	21.35	21.25
20	16QAM	50	50	21.29	21.37	21.29
20	16QAM	100	0	21.31	21.34	21.37



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	23.01	23.03	22.97
15	QPSK	1	37	22.84	22.92	22.85
15	QPSK	1	74	22.89	22.96	22.87
15	QPSK	36	0	21.92	21.94	21.91
15	QPSK	36	20	21.91	21.92	21.82
15	QPSK	36	39	21.82	21.87	21.77
15	QPSK	75	0	21.84	21.89	21.86
15	16QAM	1	0	22.41	22.47	22.45
15	16QAM	1	37	22.36	22.43	22.38
15	16QAM	1	74	22.37	22.40	22.38
15	16QAM	36	0	21.14	21.23	21.18
15	16QAM	36	20	21.18	21.27	21.17
15	16QAM	36	39	21.21	21.29	21.21
15	16QAM	75	0	21.23	21.26	21.29



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.94	22.96	22.90
10	QPSK	1	25	22.77	22.85	22.78
10	QPSK	1	49	22.82	22.89	22.80
10	QPSK	25	0	21.85	21.87	21.84
10	QPSK	25	12	21.84	21.85	21.75
10	QPSK	25	25	21.75	21.80	21.70
10	QPSK	50	0	21.77	21.82	21.79
10	16QAM	1	0	22.34	22.40	22.38
10	16QAM	1	25	22.29	22.36	22.31
10	16QAM	1	49	22.30	22.33	22.31
10	16QAM	25	0	21.07	21.16	21.11
10	16QAM	25	12	21.11	21.20	21.10
10	16QAM	25	25	21.14	21.22	21.14
10	16QAM	50	0	21.16	21.19	21.22



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.92	22.94	22.88
5	QPSK	1	12	22.75	22.83	22.76
5	QPSK	1	24	22.80	22.87	22.78
5	QPSK	12	0	21.83	21.85	21.82
5	QPSK	12	7	21.82	21.83	21.73
5	QPSK	12	13	21.73	21.78	21.68
5	QPSK	25	0	21.75	21.80	21.77
5	16QAM	1	0	22.32	22.38	22.36
5	16QAM	1	12	22.27	22.34	22.29
5	16QAM	1	24	22.28	22.31	22.29
5	16QAM	12	0	21.05	21.14	21.09
5	16QAM	12	7	21.09	21.18	21.08
5	16QAM	12	13	21.12	21.20	21.12
5	16QAM	25	0	21.14	21.17	21.20



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	22.88	22.90	22.84
3	QPSK	1	8	22.71	22.79	22.72
3	QPSK	1	14	22.76	22.83	22.74
3	QPSK	8	0	21.79	21.81	21.78
3	QPSK	8	4	21.78	21.79	21.69
3	QPSK	8	7	21.69	21.74	21.64
3	QPSK	15	0	21.71	21.76	21.73
3	16QAM	1	0	22.28	22.34	22.32
3	16QAM	1	8	22.23	22.30	22.25
3	16QAM	1	14	22.24	22.27	22.25
3	16QAM	8	0	21.01	21.10	21.05
3	16QAM	8	4	21.05	21.14	21.04
3	16QAM	8	7	21.08	21.16	21.08
3	16QAM	15	0	21.10	21.13	21.16



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.83	22.85	22.79
1.4	QPSK	1	3	22.66	22.74	22.67
1.4	QPSK	1	5	22.71	22.78	22.69
1.4	QPSK	3	0	21.74	21.76	21.73
1.4	QPSK	3	1	21.73	21.74	21.64
1.4	QPSK	3	3	21.64	21.69	21.59
1.4	QPSK	6	0	21.66	21.71	21.68
1.4	16QAM	1	0	22.23	22.29	22.27
1.4	16QAM	1	3	22.18	22.25	22.20
1.4	16QAM	1	5	22.19	22.22	22.20
1.4	16QAM	3	0	20.96	21.05	21.00
1.4	16QAM	3	1	21.00	21.09	20.99
1.4	16QAM	3	3	21.03	21.11	21.03
1.4	16QAM	6	0	21.05	21.08	21.11



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.64	23.69	23.66
10	QPSK	1	25	23.55	23.46	23.48
10	QPSK	1	49	23.22	23.21	23.23
10	QPSK	25	0	22.72	22.75	22.58
10	QPSK	25	12	22.63	22.68	22.50
10	QPSK	25	25	22.47	22.60	22.36
10	QPSK	50	0	22.38	22.47	22.43
10	16QAM	1	0	22.26	22.32	22.24
10	16QAM	1	25	22.21	22.29	22.24
10	16QAM	1	49	22.24	22.25	22.19
10	16QAM	25	0	21.05	21.12	21.05
10	16QAM	25	12	20.95	21.03	20.94
10	16QAM	25	25	21.00	21.05	21.02
10	16QAM	50	0	20.98	21.08	20.98



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	23.58	23.63	23.60
5	QPSK	1	12	23.49	23.40	23.42
5	QPSK	1	24	23.16	23.15	23.17
5	QPSK	12	0	22.66	22.69	22.52
5	QPSK	12	7	22.57	22.62	22.44
5	QPSK	12	13	22.41	22.54	22.30
5	QPSK	25	0	22.32	22.41	22.37
5	16QAM	1	0	22.20	22.26	22.18
5	16QAM	1	12	22.15	22.23	22.18
5	16QAM	1	24	22.18	22.19	22.13
5	16QAM	12	0	20.99	21.06	20.99
5	16QAM	12	7	20.89	20.97	20.88
5	16QAM	12	13	20.94	20.99	20.96
5	16QAM	25	0	20.92	21.02	20.92



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	23.51	23.56	23.53
3	QPSK	1	8	23.42	23.33	23.35
3	QPSK	1	14	23.09	23.08	23.10
3	QPSK	8	0	22.59	22.62	22.45
3	QPSK	8	4	22.50	22.55	22.37
3	QPSK	8	7	22.34	22.47	22.23
3	QPSK	15	0	22.25	22.34	22.30
3	16QAM	1	0	22.13	22.19	22.11
3	16QAM	1	8	22.08	22.16	22.11
3	16QAM	1	14	22.11	22.12	22.06
3	16QAM	8	0	20.92	20.99	20.92
3	16QAM	8	4	20.82	20.90	20.81
3	16QAM	8	7	20.87	20.92	20.89
3	16QAM	15	0	20.85	20.95	20.85



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	23.43	23.48	23.45
1.4	QPSK	1	3	23.34	23.25	23.27
1.4	QPSK	1	5	23.01	23.00	23.02
1.4	QPSK	3	0	22.51	22.54	22.37
1.4	QPSK	3	1	22.42	22.47	22.29
1.4	QPSK	3	3	22.26	22.39	22.15
1.4	QPSK	6	0	22.17	22.26	22.22
1.4	16QAM	1	0	22.05	22.11	22.03
1.4	16QAM	1	3	22.00	22.08	22.03
1.4	16QAM	1	5	22.03	22.04	21.98
1.4	16QAM	3	0	20.84	20.91	20.84
1.4	16QAM	3	1	20.74	20.82	20.73
1.4	16QAM	3	3	20.79	20.84	20.81
1.4	16QAM	6	0	20.77	20.87	20.77



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	23.24	23.25	23.20
20	QPSK	1	49	23.22	23.16	23.23
20	QPSK	1	99	23.21	23.23	22.90
20	QPSK	50	0	22.33	22.36	22.27
20	QPSK	50	24	22.29	22.33	22.19
20	QPSK	50	50	22.27	22.34	22.29
20	QPSK	100	0	22.19	22.27	22.22
20	16QAM	1	0	22.33	22.17	22.31
20	16QAM	1	49	22.17	22.20	22.18
20	16QAM	1	99	22.04	22.14	22.09
20	16QAM	50	0	21.30	21.31	21.24
20	16QAM	50	24	21.03	21.24	21.23
20	16QAM	50	50	21.29	21.32	21.30
20	16QAM	100	0	21.35	21.34	21.28



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	23.18	23.19	23.14
15	QPSK	1	37	23.16	23.10	23.17
15	QPSK	1	74	23.15	23.17	22.84
15	QPSK	36	0	22.27	22.30	22.21
15	QPSK	36	20	22.23	22.27	22.13
15	QPSK	36	39	22.21	22.28	22.23
15	QPSK	75	0	22.13	22.21	22.16
15	16QAM	1	0	22.27	22.11	22.25
15	16QAM	1	37	22.11	22.14	22.12
15	16QAM	1	74	21.98	22.08	22.03
15	16QAM	36	0	21.24	21.25	21.18
15	16QAM	36	20	20.97	21.18	21.17
15	16QAM	36	39	21.23	21.26	21.24
15	16QAM	75	0	21.29	21.28	21.22



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	23.09	23.10	23.05
10	QPSK	1	25	23.07	23.01	23.08
10	QPSK	1	49	23.06	23.08	22.75
10	QPSK	25	0	22.18	22.21	22.12
10	QPSK	25	12	22.14	22.18	22.04
10	QPSK	25	25	22.12	22.19	22.14
10	QPSK	50	0	22.04	22.12	22.07
10	16QAM	1	0	22.18	22.02	22.16
10	16QAM	1	25	22.02	22.05	22.03
10	16QAM	1	49	21.89	21.99	21.94
10	16QAM	25	0	21.15	21.16	21.09
10	16QAM	25	12	20.88	21.09	21.08
10	16QAM	25	25	21.14	21.17	21.15
10	16QAM	50	0	21.20	21.19	21.13



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	23.02	23.03	22.98
5	QPSK	1	12	23.00	22.94	23.01
5	QPSK	1	24	22.99	23.01	22.68
5	QPSK	12	0	22.11	22.14	22.05
5	QPSK	12	7	22.07	22.11	21.97
5	QPSK	12	13	22.05	22.12	22.07
5	QPSK	25	0	21.97	22.05	22.00
5	16QAM	1	0	22.11	21.95	22.09
5	16QAM	1	12	21.95	21.98	21.96
5	16QAM	1	24	21.82	21.92	21.87
5	16QAM	12	0	21.08	21.09	21.02
5	16QAM	12	7	20.81	21.02	21.01
5	16QAM	12	13	21.07	21.10	21.08
5	16QAM	25	0	21.13	21.12	21.06



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	22.73	22.77	22.75
20	QPSK	1	49	22.60	22.73	22.57
20	QPSK	1	99	22.72	22.69	22.51
20	QPSK	50	0	21.72	21.79	21.74
20	QPSK	50	24	21.75	21.76	21.62
20	QPSK	50	50	21.72	21.65	21.58
20	QPSK	100	0	21.75	21.78	21.65
20	16QAM	1	0	21.85	21.86	21.74
20	16QAM	1	49	21.75	21.78	21.82
20	16QAM	1	99	21.67	21.71	21.68
20	16QAM	50	0	20.72	20.79	20.60
20	16QAM	50	24	20.80	20.75	20.77
20	16QAM	50	50	20.62	20.67	20.60
20	16QAM	100	0	20.71	20.72	20.66



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	22.67	22.71	22.69
15	QPSK	1	37	22.54	22.67	22.51
15	QPSK	1	74	22.66	22.63	22.45
15	QPSK	36	0	21.66	21.73	21.68
15	QPSK	36	20	21.69	21.70	21.56
15	QPSK	36	39	21.66	21.59	21.52
15	QPSK	75	0	21.69	21.72	21.59
15	16QAM	1	0	21.79	21.80	21.68
15	16QAM	1	37	21.69	21.72	21.76
15	16QAM	1	74	21.61	21.65	21.62
15	16QAM	36	0	20.66	20.73	20.54
15	16QAM	36	20	20.74	20.69	20.71
15	16QAM	36	39	20.56	20.61	20.54
15	16QAM	75	0	20.65	20.66	20.60



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	22.59	22.63	22.61
10	QPSK	1	25	22.46	22.59	22.43
10	QPSK	1	49	22.58	22.55	22.37
10	QPSK	25	0	21.58	21.65	21.60
10	QPSK	25	12	21.61	21.62	21.48
10	QPSK	25	25	21.58	21.51	21.44
10	QPSK	50	0	21.61	21.64	21.51
10	16QAM	1	0	21.71	21.72	21.60
10	16QAM	1	25	21.61	21.64	21.68
10	16QAM	1	49	21.53	21.57	21.54
10	16QAM	25	0	20.58	20.65	20.46
10	16QAM	25	12	20.66	20.61	20.63
10	16QAM	25	25	20.48	20.53	20.46
10	16QAM	50	0	20.57	20.58	20.52



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	22.54	22.58	22.56
5	QPSK	1	12	22.41	22.54	22.38
5	QPSK	1	24	22.53	22.50	22.32
5	QPSK	12	0	21.53	21.60	21.55
5	QPSK	12	7	21.56	21.57	21.43
5	QPSK	12	13	21.53	21.46	21.39
5	QPSK	25	0	21.56	21.59	21.46
5	16QAM	1	0	21.66	21.67	21.55
5	16QAM	1	12	21.56	21.59	21.63
5	16QAM	1	24	21.48	21.52	21.49
5	16QAM	12	0	20.53	20.60	20.41
5	16QAM	12	7	20.61	20.56	20.58
5	16QAM	12	13	20.43	20.48	20.41
5	16QAM	25	0	20.52	20.53	20.47



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	22.61	22.73	22.67
20	QPSK	1	49	22.58	22.58	22.58
20	QPSK	1	99	22.54	22.55	22.44
20	QPSK	50	0	21.60	21.67	21.57
20	QPSK	50	24	21.58	21.42	21.45
20	QPSK	50	50	21.51	21.43	21.44
20	QPSK	100	0	21.37	21.49	21.32
20	16QAM	1	0	21.66	21.69	21.71
20	16QAM	1	49	21.44	21.38	21.50
20	16QAM	1	99	21.48	21.40	21.38
20	16QAM	50	0	20.48	20.45	20.35
20	16QAM	50	24	20.42	20.42	20.40
20	16QAM	50	50	20.44	20.51	20.52
20	16QAM	100	0	20.61	20.50	20.68



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	22.53	22.65	22.59
15	QPSK	1	37	22.50	22.50	22.50
15	QPSK	1	74	22.46	22.47	22.36
15	QPSK	36	0	21.52	21.59	21.49
15	QPSK	36	20	21.50	21.34	21.37
15	QPSK	36	39	21.43	21.35	21.36
15	QPSK	75	0	21.29	21.41	21.24
15	16QAM	1	0	21.58	21.61	21.63
15	16QAM	1	37	21.36	21.30	21.42
15	16QAM	1	74	21.40	21.32	21.30
15	16QAM	36	0	20.40	20.37	20.27
15	16QAM	36	20	20.34	20.34	20.32
15	16QAM	36	39	20.36	20.43	20.44
15	16QAM	75	0	20.53	20.42	20.60



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	22.53	22.65	22.59
10	QPSK	1	25	22.50	22.50	22.50
10	QPSK	1	49	22.46	22.47	22.36
10	QPSK	25	0	21.52	21.59	21.49
10	QPSK	25	12	21.50	21.34	21.37
10	QPSK	25	25	21.43	21.35	21.36
10	QPSK	50	0	21.29	21.41	21.24
10	16QAM	1	0	21.58	21.61	21.63
10	16QAM	1	25	21.36	21.30	21.42
10	16QAM	1	49	21.40	21.32	21.30
10	16QAM	25	0	20.40	20.37	20.27
10	16QAM	25	12	20.34	20.34	20.32
10	16QAM	25	25	20.36	20.43	20.44
10	16QAM	50	0	20.53	20.42	20.60



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	22.47	22.59	22.53
5	QPSK	1	12	22.44	22.44	22.44
5	QPSK	1	24	22.40	22.41	22.30
5	QPSK	12	0	21.46	21.53	21.43
5	QPSK	12	7	21.44	21.28	21.31
5	QPSK	12	13	21.37	21.29	21.30
5	QPSK	25	0	21.23	21.35	21.18
5	16QAM	1	0	21.52	21.55	21.57
5	16QAM	1	12	21.30	21.24	21.36
5	16QAM	1	24	21.34	21.26	21.24
5	16QAM	12	0	20.34	20.31	20.21
5	16QAM	12	7	20.28	20.28	20.26
5	16QAM	12	13	20.30	20.37	20.38
5	16QAM	25	0	20.47	20.36	20.54

**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	23.55	0.226	23.59	0.229	23.56	0.227
20	QPSK	1	49	23.39	0.218	23.38	0.218	23.45	0.221
20	QPSK	1	99	23.13	0.206	23.16	0.207	23.19	0.208
20	QPSK	50	0	22.27	0.169	22.46	0.176	22.38	0.173
20	QPSK	50	24	22.35	0.172	22.43	0.175	22.27	0.169
20	QPSK	50	50	22.26	0.168	22.40	0.174	22.18	0.165
20	QPSK	100	0	22.33	0.171	22.37	0.173	22.25	0.168
20	16QAM	1	0	22.75	0.188	22.84	0.192	22.68	0.185
20	16QAM	1	49	22.69	0.186	22.75	0.188	22.74	0.188
20	16QAM	1	99	22.58	0.181	22.60	0.182	22.52	0.179
20	16QAM	50	0	21.60	0.145	21.68	0.147	21.63	0.146
20	16QAM	50	24	21.57	0.144	21.66	0.147	21.61	0.145
20	16QAM	50	50	21.44	0.139	21.51	0.142	21.43	0.139
20	16QAM	100	0	21.48	0.141	21.67	0.147	21.52	0.142



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	23.49	0.223	23.53	0.225	23.50	0.224
15	QPSK	1	37	23.33	0.215	23.32	0.215	23.39	0.218
15	QPSK	1	74	23.07	0.203	23.10	0.204	23.13	0.206
15	QPSK	36	0	22.21	0.166	22.40	0.174	22.32	0.171
15	QPSK	36	20	22.29	0.169	22.37	0.173	22.21	0.166
15	QPSK	36	39	22.20	0.166	22.34	0.171	22.12	0.163
15	QPSK	75	0	22.27	0.169	22.31	0.170	22.19	0.166
15	16QAM	1	0	22.69	0.186	22.78	0.190	22.62	0.183
15	16QAM	1	37	22.63	0.183	22.69	0.186	22.68	0.185
15	16QAM	1	74	22.52	0.179	22.54	0.179	22.46	0.176
15	16QAM	36	0	21.54	0.143	21.62	0.145	21.57	0.144
15	16QAM	36	20	21.51	0.142	21.60	0.145	21.55	0.143
15	16QAM	36	39	21.38	0.137	21.45	0.140	21.37	0.137
15	16QAM	75	0	21.42	0.139	21.61	0.145	21.46	0.140



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	23.41	0.219	23.45	0.221	23.42	0.220
10	QPSK	1	25	23.25	0.211	23.24	0.211	23.31	0.214
10	QPSK	1	49	22.99	0.199	23.02	0.200	23.05	0.202
10	QPSK	25	0	22.13	0.163	22.32	0.171	22.24	0.167
10	QPSK	25	12	22.21	0.166	22.29	0.169	22.13	0.163
10	QPSK	25	25	22.12	0.163	22.26	0.168	22.04	0.160
10	QPSK	50	0	22.19	0.166	22.23	0.167	22.11	0.163
10	16QAM	1	0	22.61	0.182	22.70	0.186	22.54	0.179
10	16QAM	1	25	22.55	0.180	22.61	0.182	22.60	0.182
10	16QAM	1	49	22.44	0.175	22.46	0.176	22.38	0.173
10	16QAM	25	0	21.46	0.140	21.54	0.143	21.49	0.141
10	16QAM	25	12	21.43	0.139	21.52	0.142	21.47	0.140
10	16QAM	25	25	21.30	0.135	21.37	0.137	21.29	0.135
10	16QAM	50	0	21.34	0.136	21.53	0.142	21.38	0.137



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	23.38	0.218	23.42	0.220	23.39	0.218
5	QPSK	1	12	23.22	0.210	23.21	0.209	23.28	0.213
5	QPSK	1	24	22.96	0.198	22.99	0.199	23.02	0.200
5	QPSK	12	0	22.10	0.162	22.29	0.169	22.21	0.166
5	QPSK	12	7	22.18	0.165	22.26	0.168	22.10	0.162
5	QPSK	12	13	22.09	0.162	22.23	0.167	22.01	0.159
5	QPSK	25	0	22.16	0.164	22.20	0.166	22.08	0.161
5	16QAM	1	0	22.58	0.181	22.67	0.185	22.51	0.178
5	16QAM	1	12	22.52	0.179	22.58	0.181	22.57	0.181
5	16QAM	1	24	22.41	0.174	22.43	0.175	22.35	0.172
5	16QAM	12	0	21.43	0.139	21.51	0.142	21.46	0.140
5	16QAM	12	7	21.40	0.138	21.49	0.141	21.44	0.139
5	16QAM	12	13	21.27	0.134	21.34	0.136	21.26	0.134
5	16QAM	25	0	21.31	0.135	21.50	0.141	21.35	0.136



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	23.33	0.215	23.37	0.217	23.34	0.216
3	QPSK	1	8	23.17	0.207	23.16	0.207	23.23	0.210
3	QPSK	1	14	22.91	0.195	22.94	0.197	22.97	0.198
3	QPSK	8	0	22.05	0.160	22.24	0.167	22.16	0.164
3	QPSK	8	4	22.13	0.163	22.21	0.166	22.05	0.160
3	QPSK	8	7	22.04	0.160	22.18	0.165	21.96	0.157
3	QPSK	15	0	22.11	0.163	22.15	0.164	22.03	0.160
3	16QAM	1	0	22.53	0.179	22.62	0.183	22.46	0.176
3	16QAM	1	8	22.47	0.177	22.53	0.179	22.52	0.179
3	16QAM	1	14	22.36	0.172	22.38	0.173	22.30	0.170
3	16QAM	8	0	21.38	0.137	21.46	0.140	21.41	0.138
3	16QAM	8	4	21.35	0.136	21.44	0.139	21.39	0.138
3	16QAM	8	7	21.22	0.132	21.29	0.135	21.21	0.132
3	16QAM	15	0	21.26	0.134	21.45	0.140	21.30	0.135



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	23.29	0.213	23.33	0.215	23.30	0.214
1.4	QPSK	1	3	23.13	0.206	23.12	0.205	23.19	0.208
1.4	QPSK	1	5	22.87	0.194	22.90	0.195	22.93	0.196
1.4	QPSK	3	0	22.01	0.159	22.20	0.166	22.12	0.163
1.4	QPSK	3	1	22.09	0.162	22.17	0.165	22.01	0.159
1.4	QPSK	3	3	22.00	0.158	22.14	0.164	21.92	0.156
1.4	QPSK	6	0	22.07	0.161	22.11	0.163	21.99	0.158
1.4	16QAM	1	0	22.49	0.177	22.58	0.181	22.42	0.175
1.4	16QAM	1	3	22.43	0.175	22.49	0.177	22.48	0.177
1.4	16QAM	1	5	22.32	0.171	22.34	0.171	22.26	0.168
1.4	16QAM	3	0	21.34	0.136	21.42	0.139	21.37	0.137
1.4	16QAM	3	1	21.31	0.135	21.40	0.138	21.35	0.136
1.4	16QAM	3	3	21.18	0.131	21.25	0.133	21.17	0.131
1.4	16QAM	6	0	21.22	0.132	21.41	0.138	21.26	0.134



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.59	0.229	23.61	0.230	23.55	0.226
20	QPSK	1	49	23.42	0.220	23.50	0.224	23.43	0.220
20	QPSK	1	99	23.47	0.222	23.54	0.226	23.45	0.221
20	QPSK	50	0	22.50	0.178	22.52	0.179	22.49	0.177
20	QPSK	50	24	22.49	0.177	22.50	0.178	22.40	0.174
20	QPSK	50	50	22.40	0.174	22.45	0.176	22.35	0.172
20	QPSK	100	0	22.42	0.175	22.47	0.177	22.44	0.175
20	16QAM	1	0	22.99	0.199	23.05	0.202	23.03	0.201
20	16QAM	1	49	22.94	0.197	23.01	0.200	22.96	0.198
20	16QAM	1	99	22.95	0.197	22.98	0.199	22.96	0.198
20	16QAM	50	0	21.72	0.149	21.81	0.152	21.76	0.150
20	16QAM	50	24	21.76	0.150	21.85	0.153	21.75	0.150
20	16QAM	50	50	21.79	0.151	21.87	0.154	21.79	0.151
20	16QAM	100	0	21.81	0.152	21.84	0.153	21.87	0.154



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.51	0.224	23.53	0.225	23.47	0.222
15	QPSK	1	37	23.34	0.216	23.42	0.220	23.35	0.216
15	QPSK	1	74	23.39	0.218	23.46	0.222	23.37	0.217
15	QPSK	36	0	22.42	0.175	22.44	0.175	22.41	0.174
15	QPSK	36	20	22.41	0.174	22.42	0.175	22.32	0.171
15	QPSK	36	39	22.32	0.171	22.37	0.173	22.27	0.169
15	QPSK	75	0	22.34	0.171	22.39	0.173	22.36	0.172
15	16QAM	1	0	22.91	0.195	22.97	0.198	22.95	0.197
15	16QAM	1	37	22.86	0.193	22.93	0.196	22.88	0.194
15	16QAM	1	74	22.87	0.194	22.90	0.195	22.88	0.194
15	16QAM	36	0	21.64	0.146	21.73	0.149	21.68	0.147
15	16QAM	36	20	21.68	0.147	21.77	0.150	21.67	0.147
15	16QAM	36	39	21.71	0.148	21.79	0.151	21.71	0.148
15	16QAM	75	0	21.73	0.149	21.76	0.150	21.79	0.151



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.44	0.221	23.46	0.222	23.40	0.219
10	QPSK	1	25	23.27	0.212	23.35	0.216	23.28	0.213
10	QPSK	1	49	23.32	0.215	23.39	0.218	23.30	0.214
10	QPSK	25	0	22.35	0.172	22.37	0.173	22.34	0.171
10	QPSK	25	12	22.34	0.171	22.35	0.172	22.25	0.168
10	QPSK	25	25	22.25	0.168	22.30	0.170	22.20	0.166
10	QPSK	50	0	22.27	0.169	22.32	0.171	22.29	0.169
10	16QAM	1	0	22.84	0.192	22.90	0.195	22.88	0.194
10	16QAM	1	25	22.79	0.190	22.86	0.193	22.81	0.191
10	16QAM	1	49	22.80	0.191	22.83	0.192	22.81	0.191
10	16QAM	25	0	21.57	0.144	21.66	0.147	21.61	0.145
10	16QAM	25	12	21.61	0.145	21.70	0.148	21.60	0.145
10	16QAM	25	25	21.64	0.146	21.72	0.149	21.64	0.146
10	16QAM	50	0	21.66	0.147	21.69	0.148	21.72	0.149



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.42	0.220	23.44	0.221	23.38	0.218
5	QPSK	1	12	23.25	0.211	23.33	0.215	23.26	0.212
5	QPSK	1	24	23.30	0.214	23.37	0.217	23.28	0.213
5	QPSK	12	0	22.33	0.171	22.35	0.172	22.32	0.171
5	QPSK	12	7	22.32	0.171	22.33	0.171	22.23	0.167
5	QPSK	12	13	22.23	0.167	22.28	0.169	22.18	0.165
5	QPSK	25	0	22.25	0.168	22.30	0.170	22.27	0.169
5	16QAM	1	0	22.82	0.191	22.88	0.194	22.86	0.193
5	16QAM	1	12	22.77	0.189	22.84	0.192	22.79	0.190
5	16QAM	1	24	22.78	0.190	22.81	0.191	22.79	0.190
5	16QAM	12	0	21.55	0.143	21.64	0.146	21.59	0.144
5	16QAM	12	7	21.59	0.144	21.68	0.147	21.58	0.144
5	16QAM	12	13	21.62	0.145	21.70	0.148	21.62	0.145
5	16QAM	25	0	21.64	0.146	21.67	0.147	21.70	0.148



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	23.38	0.218	23.40	0.219	23.34	0.216
3	QPSK	1	8	23.21	0.209	23.29	0.213	23.22	0.210
3	QPSK	1	14	23.26	0.212	23.33	0.215	23.24	0.211
3	QPSK	8	0	22.29	0.169	22.31	0.170	22.28	0.169
3	QPSK	8	4	22.28	0.169	22.29	0.169	22.19	0.166
3	QPSK	8	7	22.19	0.166	22.24	0.167	22.14	0.164
3	QPSK	15	0	22.21	0.166	22.26	0.168	22.23	0.167
3	16QAM	1	0	22.78	0.190	22.84	0.192	22.82	0.191
3	16QAM	1	8	22.73	0.187	22.80	0.191	22.75	0.188
3	16QAM	1	14	22.74	0.188	22.77	0.189	22.75	0.188
3	16QAM	8	0	21.51	0.142	21.60	0.145	21.55	0.143
3	16QAM	8	4	21.55	0.143	21.64	0.146	21.54	0.143
3	16QAM	8	7	21.58	0.144	21.66	0.147	21.58	0.144
3	16QAM	15	0	21.60	0.145	21.63	0.146	21.66	0.147



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.33	0.215	23.35	0.216	23.29	0.213
1.4	QPSK	1	3	23.16	0.207	23.24	0.211	23.17	0.207
1.4	QPSK	1	5	23.21	0.209	23.28	0.213	23.19	0.208
1.4	QPSK	3	0	22.24	0.167	22.26	0.168	22.23	0.167
1.4	QPSK	3	1	22.23	0.167	22.24	0.167	22.14	0.164
1.4	QPSK	3	3	22.14	0.164	22.19	0.166	22.09	0.162
1.4	QPSK	6	0	22.16	0.164	22.21	0.166	22.18	0.165
1.4	16QAM	1	0	22.73	0.187	22.79	0.190	22.77	0.189
1.4	16QAM	1	3	22.68	0.185	22.75	0.188	22.70	0.186
1.4	16QAM	1	5	22.69	0.186	22.72	0.187	22.70	0.186
1.4	16QAM	3	0	21.46	0.140	21.55	0.143	21.50	0.141
1.4	16QAM	3	1	21.50	0.141	21.59	0.144	21.49	0.141
1.4	16QAM	3	3	21.53	0.142	21.61	0.145	21.53	0.142
1.4	16QAM	6	0	21.55	0.143	21.58	0.144	21.61	0.145



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	21.69	0.148	21.74	0.149	21.71	0.148
10	QPSK	1	25	21.60	0.145	21.51	0.142	21.53	0.142
10	QPSK	1	49	21.27	0.134	21.26	0.134	21.28	0.134
10	QPSK	25	0	20.77	0.119	20.80	0.120	20.63	0.116
10	QPSK	25	12	20.68	0.117	20.73	0.118	20.55	0.114
10	QPSK	25	25	20.52	0.113	20.65	0.116	20.41	0.110
10	QPSK	50	0	20.43	0.110	20.52	0.113	20.48	0.112
10	16QAM	1	0	20.31	0.107	20.37	0.109	20.29	0.107
10	16QAM	1	25	20.26	0.106	20.34	0.108	20.29	0.107
10	16QAM	1	49	20.29	0.107	20.30	0.107	20.24	0.106
10	16QAM	25	0	19.10	0.081	19.17	0.083	19.10	0.081
10	16QAM	25	12	19.00	0.079	19.08	0.081	18.99	0.079
10	16QAM	25	25	19.05	0.080	19.10	0.081	19.07	0.081
10	16QAM	50	0	19.03	0.080	19.13	0.082	19.03	0.080



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	21.63	0.146	21.68	0.147	21.65	0.146
5	QPSK	1	12	21.54	0.143	21.45	0.140	21.47	0.140
5	QPSK	1	24	21.21	0.132	21.20	0.132	21.22	0.132
5	QPSK	12	0	20.71	0.118	20.74	0.119	20.57	0.114
5	QPSK	12	7	20.62	0.115	20.67	0.117	20.49	0.112
5	QPSK	12	13	20.46	0.111	20.59	0.115	20.35	0.108
5	QPSK	25	0	20.37	0.109	20.46	0.111	20.42	0.110
5	16QAM	1	0	20.25	0.106	20.31	0.107	20.23	0.105
5	16QAM	1	12	20.20	0.105	20.28	0.107	20.23	0.105
5	16QAM	1	24	20.23	0.105	20.24	0.106	20.18	0.104
5	16QAM	12	0	19.04	0.080	19.11	0.081	19.04	0.080
5	16QAM	12	7	18.94	0.078	19.02	0.080	18.93	0.078
5	16QAM	12	13	18.99	0.079	19.04	0.080	19.01	0.080
5	16QAM	25	0	18.97	0.079	19.07	0.081	18.97	0.079



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	21.56	0.143	21.61	0.145	21.58	0.144
3	QPSK	1	8	21.47	0.140	21.38	0.137	21.40	0.138
3	QPSK	1	14	21.14	0.130	21.13	0.130	21.15	0.130
3	QPSK	8	0	20.64	0.116	20.67	0.117	20.50	0.112
3	QPSK	8	4	20.55	0.114	20.60	0.115	20.42	0.110
3	QPSK	8	7	20.39	0.109	20.52	0.113	20.28	0.107
3	QPSK	15	0	20.30	0.107	20.39	0.109	20.35	0.108
3	16QAM	1	0	20.18	0.104	20.24	0.106	20.16	0.104
3	16QAM	1	8	20.13	0.103	20.21	0.105	20.16	0.104
3	16QAM	1	14	20.16	0.104	20.17	0.104	20.11	0.103
3	16QAM	8	0	18.97	0.079	19.04	0.080	18.97	0.079
3	16QAM	8	4	18.87	0.077	18.95	0.079	18.86	0.077
3	16QAM	8	7	18.92	0.078	18.97	0.079	18.94	0.078
3	16QAM	15	0	18.90	0.078	19.00	0.079	18.90	0.078



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	21.48	0.141	21.53	0.142	21.50	0.141
1.4	QPSK	1	3	21.39	0.138	21.30	0.135	21.32	0.136
1.4	QPSK	1	5	21.06	0.128	21.05	0.127	21.07	0.128
1.4	QPSK	3	0	20.56	0.114	20.59	0.115	20.42	0.110
1.4	QPSK	3	1	20.47	0.111	20.52	0.113	20.34	0.108
1.4	QPSK	3	3	20.31	0.107	20.44	0.111	20.20	0.105
1.4	QPSK	6	0	20.22	0.105	20.31	0.107	20.27	0.106
1.4	16QAM	1	0	20.10	0.102	20.16	0.104	20.08	0.102
1.4	16QAM	1	3	20.05	0.101	20.13	0.103	20.08	0.102
1.4	16QAM	1	5	20.08	0.102	20.09	0.102	20.03	0.101
1.4	16QAM	3	0	18.89	0.077	18.96	0.079	18.89	0.077
1.4	16QAM	3	1	18.79	0.076	18.87	0.077	18.78	0.076
1.4	16QAM	3	3	18.84	0.077	18.89	0.077	18.86	0.077
1.4	16QAM	6	0	18.82	0.076	18.92	0.078	18.82	0.076



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	24.24	0.265	24.25	0.266	24.20	0.263
20	QPSK	1	49	24.22	0.264	24.16	0.261	24.23	0.265
20	QPSK	1	99	24.21	0.264	24.23	0.265	23.90	0.245
20	QPSK	50	0	23.33	0.215	23.36	0.217	23.27	0.212
20	QPSK	50	24	23.29	0.213	23.33	0.215	23.19	0.208
20	QPSK	50	50	23.27	0.212	23.34	0.216	23.29	0.213
20	QPSK	100	0	23.19	0.208	23.27	0.212	23.22	0.210
20	16QAM	1	0	23.33	0.215	23.17	0.207	23.31	0.214
20	16QAM	1	49	23.17	0.207	23.20	0.209	23.18	0.208
20	16QAM	1	99	23.04	0.201	23.14	0.206	23.09	0.204
20	16QAM	50	0	22.30	0.170	22.31	0.170	22.24	0.167
20	16QAM	50	24	22.03	0.160	22.24	0.167	22.23	0.167
20	16QAM	50	50	22.29	0.169	22.32	0.171	22.30	0.170
20	16QAM	100	0	22.35	0.172	22.34	0.171	22.28	0.169



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	24.18	0.262	24.19	0.262	24.14	0.259
15	QPSK	1	37	24.16	0.261	24.10	0.257	24.17	0.261
15	QPSK	1	74	24.15	0.260	24.17	0.261	23.84	0.242
15	QPSK	36	0	23.27	0.212	23.30	0.214	23.21	0.209
15	QPSK	36	20	23.23	0.210	23.27	0.212	23.13	0.206
15	QPSK	36	39	23.21	0.209	23.28	0.213	23.23	0.210
15	QPSK	75	0	23.13	0.206	23.21	0.209	23.16	0.207
15	16QAM	1	0	23.27	0.212	23.11	0.205	23.25	0.211
15	16QAM	1	37	23.11	0.205	23.14	0.206	23.12	0.205
15	16QAM	1	74	22.98	0.199	23.08	0.203	23.03	0.201
15	16QAM	36	0	22.24	0.167	22.25	0.168	22.18	0.165
15	16QAM	36	20	21.97	0.157	22.18	0.165	22.17	0.165
15	16QAM	36	39	22.23	0.167	22.26	0.168	22.24	0.167
15	16QAM	75	0	22.29	0.169	22.28	0.169	22.22	0.167



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	24.09	0.256	24.10	0.257	24.05	0.254
10	QPSK	1	25	24.07	0.255	24.01	0.252	24.08	0.256
10	QPSK	1	49	24.06	0.255	24.08	0.256	23.75	0.237
10	QPSK	25	0	23.18	0.208	23.21	0.209	23.12	0.205
10	QPSK	25	12	23.14	0.206	23.18	0.208	23.04	0.201
10	QPSK	25	25	23.12	0.205	23.19	0.208	23.14	0.206
10	QPSK	50	0	23.04	0.201	23.12	0.205	23.07	0.203
10	16QAM	1	0	23.18	0.208	23.02	0.200	23.16	0.207
10	16QAM	1	25	23.02	0.200	23.05	0.202	23.03	0.201
10	16QAM	1	49	22.89	0.195	22.99	0.199	22.94	0.197
10	16QAM	25	0	22.15	0.164	22.16	0.164	22.09	0.162
10	16QAM	25	12	21.88	0.154	22.09	0.162	22.08	0.161
10	16QAM	25	25	22.14	0.164	22.17	0.165	22.15	0.164
10	16QAM	50	0	22.20	0.166	22.19	0.166	22.13	0.163



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	24.02	0.252	24.03	0.253	23.98	0.250
5	QPSK	1	12	24.00	0.251	23.94	0.248	24.01	0.252
5	QPSK	1	24	23.99	0.251	24.01	0.252	23.68	0.233
5	QPSK	12	0	23.11	0.205	23.14	0.206	23.05	0.202
5	QPSK	12	7	23.07	0.203	23.11	0.205	22.97	0.198
5	QPSK	12	13	23.05	0.202	23.12	0.205	23.07	0.203
5	QPSK	25	0	22.97	0.198	23.05	0.202	23.00	0.200
5	16QAM	1	0	23.11	0.205	22.95	0.197	23.09	0.204
5	16QAM	1	12	22.95	0.197	22.98	0.199	22.96	0.198
5	16QAM	1	24	22.82	0.191	22.92	0.196	22.87	0.194
5	16QAM	12	0	22.08	0.161	22.09	0.162	22.02	0.159
5	16QAM	12	7	21.81	0.152	22.02	0.159	22.01	0.159
5	16QAM	12	13	22.07	0.161	22.10	0.162	22.08	0.161
5	16QAM	25	0	22.13	0.163	22.12	0.163	22.06	0.161



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37850		38000		38150	
Frequency (MHz)				2580		2595		2610	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.23	0.265	24.27	0.267	24.25	0.266
20	QPSK	1	49	24.10	0.257	24.23	0.265	24.07	0.255
20	QPSK	1	99	24.22	0.264	24.19	0.262	24.01	0.252
20	QPSK	50	0	23.22	0.210	23.29	0.213	23.24	0.211
20	QPSK	50	24	23.25	0.211	23.26	0.212	23.12	0.205
20	QPSK	50	50	23.22	0.210	23.15	0.207	23.08	0.203
20	QPSK	100	0	23.25	0.211	23.28	0.213	23.15	0.207
20	16QAM	1	0	23.35	0.216	23.36	0.217	23.24	0.211
20	16QAM	1	49	23.25	0.211	23.28	0.213	23.32	0.215
20	16QAM	1	99	23.17	0.207	23.21	0.209	23.18	0.208
20	16QAM	50	0	22.22	0.167	22.29	0.169	22.10	0.162
20	16QAM	50	24	22.30	0.170	22.25	0.168	22.27	0.169
20	16QAM	50	50	22.12	0.163	22.17	0.165	22.10	0.162
20	16QAM	100	0	22.21	0.166	22.22	0.167	22.16	0.164



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37825		38000		38175	
Frequency (MHz)				2577.5		2595		2612.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.17	0.261	24.21	0.264	24.19	0.262
15	QPSK	1	37	24.04	0.254	24.17	0.261	24.01	0.252
15	QPSK	1	74	24.16	0.261	24.13	0.259	23.95	0.248
15	QPSK	36	0	23.16	0.207	23.23	0.210	23.18	0.208
15	QPSK	36	20	23.19	0.208	23.20	0.209	23.06	0.202
15	QPSK	36	39	23.16	0.207	23.09	0.204	23.02	0.200
15	QPSK	75	0	23.19	0.208	23.22	0.210	23.09	0.204
15	16QAM	1	0	23.29	0.213	23.30	0.214	23.18	0.208
15	16QAM	1	37	23.19	0.208	23.22	0.210	23.26	0.212
15	16QAM	1	74	23.11	0.205	23.15	0.207	23.12	0.205
15	16QAM	36	0	22.16	0.164	22.23	0.167	22.04	0.160
15	16QAM	36	20	22.24	0.167	22.19	0.166	22.21	0.166
15	16QAM	36	39	22.06	0.161	22.11	0.163	22.04	0.160
15	16QAM	75	0	22.15	0.164	22.16	0.164	22.10	0.162



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37800		38000		38200	
Frequency (MHz)				2575		2595		2615	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.09	0.256	24.13	0.259	24.11	0.258
10	QPSK	1	25	23.96	0.249	24.09	0.256	23.93	0.247
10	QPSK	1	49	24.08	0.256	24.05	0.254	23.87	0.244
10	QPSK	25	0	23.08	0.203	23.15	0.207	23.10	0.204
10	QPSK	25	12	23.11	0.205	23.12	0.205	22.98	0.199
10	QPSK	25	25	23.08	0.203	23.01	0.200	22.94	0.197
10	QPSK	50	0	23.11	0.205	23.14	0.206	23.01	0.200
10	16QAM	1	0	23.21	0.209	23.22	0.210	23.10	0.204
10	16QAM	1	25	23.11	0.205	23.14	0.206	23.18	0.208
10	16QAM	1	49	23.03	0.201	23.07	0.203	23.04	0.201
10	16QAM	25	0	22.08	0.161	22.15	0.164	21.96	0.157
10	16QAM	25	12	22.16	0.164	22.11	0.163	22.13	0.163
10	16QAM	25	25	21.98	0.158	22.03	0.160	21.96	0.157
10	16QAM	50	0	22.07	0.161	22.08	0.161	22.02	0.159



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37775		38000		38225	
Frequency (MHz)				2572.5		2595		2617.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.04	0.254	24.08	0.256	24.06	0.255
5	QPSK	1	12	23.91	0.246	24.04	0.254	23.88	0.244
5	QPSK	1	24	24.03	0.253	24.00	0.251	23.82	0.241
5	QPSK	12	0	23.03	0.201	23.10	0.204	23.05	0.202
5	QPSK	12	7	23.06	0.202	23.07	0.203	22.93	0.196
5	QPSK	12	13	23.03	0.201	22.96	0.198	22.89	0.195
5	QPSK	25	0	23.06	0.202	23.09	0.204	22.96	0.198
5	16QAM	1	0	23.16	0.207	23.17	0.207	23.05	0.202
5	16QAM	1	12	23.06	0.202	23.09	0.204	23.13	0.206
5	16QAM	1	24	22.98	0.199	23.02	0.200	22.99	0.199
5	16QAM	12	0	22.03	0.160	22.10	0.162	21.91	0.155
5	16QAM	12	7	22.11	0.163	22.06	0.161	22.08	0.161
5	16QAM	12	13	21.93	0.156	21.98	0.158	21.91	0.155
5	16QAM	25	0	22.02	0.159	22.03	0.160	21.97	0.157



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.71	0.235	23.83	0.242	23.77	0.238
20	QPSK	1	49	23.68	0.233	23.68	0.233	23.68	0.233
20	QPSK	1	99	23.64	0.231	23.65	0.232	23.54	0.226
20	QPSK	50	0	22.70	0.186	22.77	0.189	22.67	0.185
20	QPSK	50	24	22.68	0.185	22.52	0.179	22.55	0.180
20	QPSK	50	50	22.61	0.182	22.53	0.179	22.54	0.179
20	QPSK	100	0	22.47	0.177	22.59	0.182	22.42	0.175
20	16QAM	1	0	22.76	0.189	22.79	0.190	22.81	0.191
20	16QAM	1	49	22.54	0.179	22.48	0.177	22.60	0.182
20	16QAM	1	99	22.58	0.181	22.50	0.178	22.48	0.177
20	16QAM	50	0	21.58	0.144	21.55	0.143	21.45	0.140
20	16QAM	50	24	21.52	0.142	21.52	0.142	21.50	0.141
20	16QAM	50	50	21.54	0.143	21.61	0.145	21.62	0.145
20	16QAM	100	0	21.71	0.148	21.60	0.145	21.78	0.151



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.63	0.231	23.75	0.237	23.69	0.234
15	QPSK	1	37	23.60	0.229	23.60	0.229	23.60	0.229
15	QPSK	1	74	23.56	0.227	23.57	0.228	23.46	0.222
15	QPSK	36	0	22.62	0.183	22.69	0.186	22.59	0.182
15	QPSK	36	20	22.60	0.182	22.44	0.175	22.47	0.177
15	QPSK	36	39	22.53	0.179	22.45	0.176	22.46	0.176
15	QPSK	75	0	22.39	0.173	22.51	0.178	22.34	0.171
15	16QAM	1	0	22.68	0.185	22.71	0.187	22.73	0.187
15	16QAM	1	37	22.46	0.176	22.40	0.174	22.52	0.179
15	16QAM	1	74	22.50	0.178	22.42	0.175	22.40	0.174
15	16QAM	36	0	21.50	0.141	21.47	0.140	21.37	0.137
15	16QAM	36	20	21.44	0.139	21.44	0.139	21.42	0.139
15	16QAM	36	39	21.46	0.140	21.53	0.142	21.54	0.143
15	16QAM	75	0	21.63	0.146	21.52	0.142	21.70	0.148



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.63	0.231	23.75	0.237	23.69	0.234
10	QPSK	1	25	23.60	0.229	23.60	0.229	23.60	0.229
10	QPSK	1	49	23.56	0.227	23.57	0.228	23.46	0.222
10	QPSK	25	0	22.62	0.183	22.69	0.186	22.59	0.182
10	QPSK	25	12	22.60	0.182	22.44	0.175	22.47	0.177
10	QPSK	25	25	22.53	0.179	22.45	0.176	22.46	0.176
10	QPSK	50	0	22.39	0.173	22.51	0.178	22.34	0.171
10	16QAM	1	0	22.68	0.185	22.71	0.187	22.73	0.187
10	16QAM	1	25	22.46	0.176	22.40	0.174	22.52	0.179
10	16QAM	1	49	22.50	0.178	22.42	0.175	22.40	0.174
10	16QAM	25	0	21.50	0.141	21.47	0.140	21.37	0.137
10	16QAM	25	12	21.44	0.139	21.44	0.139	21.42	0.139
10	16QAM	25	25	21.46	0.140	21.53	0.142	21.54	0.143
10	16QAM	50	0	21.63	0.146	21.52	0.142	21.70	0.148



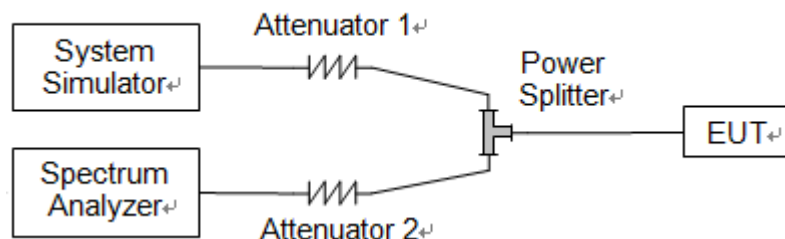
LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.57	0.228	23.69	0.234	23.63	0.231
5	QPSK	1	12	23.54	0.226	23.54	0.226	23.54	0.226
5	QPSK	1	24	23.50	0.224	23.51	0.224	23.40	0.219
5	QPSK	12	0	22.56	0.180	22.63	0.183	22.53	0.179
5	QPSK	12	7	22.54	0.179	22.38	0.173	22.41	0.174
5	QPSK	12	13	22.47	0.177	22.39	0.173	22.40	0.174
5	QPSK	25	0	22.33	0.171	22.45	0.176	22.28	0.169
5	16QAM	1	0	22.62	0.183	22.65	0.184	22.67	0.185
5	16QAM	1	12	22.40	0.174	22.34	0.171	22.46	0.176
5	16QAM	1	24	22.44	0.175	22.36	0.172	22.34	0.171
5	16QAM	12	0	21.44	0.139	21.41	0.138	21.31	0.135
5	16QAM	12	7	21.38	0.137	21.38	0.137	21.36	0.137
5	16QAM	12	13	21.40	0.138	21.47	0.140	21.48	0.141
5	16QAM	25	0	21.57	0.144	21.46	0.140	21.64	0.146

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

**2.2.4. Test Result**

LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B2	1.4	Low	18607	1850.7	QPSK	1.0936	1.2633	PASS
B2	1.4	Low	18607	1850.7	16QAM	1.1002	1.3005	PASS
B2	1.4	Mid	18900	1880	QPSK	1.0948	1.2760	PASS
B2	1.4	Mid	18900	1880	16QAM	1.0947	1.3004	PASS
B2	1.4	High	19193	1909.3	QPSK	1.0969	1.3002	PASS
B2	1.4	High	19193	1909.3	16QAM	1.1019	1.2988	PASS
B2	3	Low	18615	1851.5	QPSK	2.6881	2.9241	PASS
B2	3	Low	18615	1851.5	16QAM	2.6954	3.1687	PASS
B2	3	Mid	18900	1880	QPSK	2.6921	2.9370	PASS
B2	3	Mid	18900	1880	16QAM	2.6933	2.9285	PASS
B2	3	High	19185	1908.5	QPSK	2.6853	2.9242	PASS
B2	3	High	19185	1908.5	16QAM	2.6913	2.9315	PASS
B2	5	Low	18625	1852.5	QPSK	4.4939	5.1085	PASS
B2	5	Low	18625	1852.5	16QAM	4.4950	5.0823	PASS
B2	5	Mid	18900	1880	QPSK	4.5034	5.1378	PASS
B2	5	Mid	18900	1880	16QAM	4.4969	5.1207	PASS
B2	5	High	19175	1907.5	QPSK	4.4948	5.0822	PASS
B2	5	High	19175	1907.5	16QAM	4.4977	5.0819	PASS
B2	10	Low	18650	1855	QPSK	8.9657	9.9503	PASS
B2	10	Low	18650	1855	16QAM	8.9518	9.7882	PASS
B2	10	Mid	18900	1880	QPSK	8.9966	10.0496	PASS
B2	10	Mid	18900	1880	16QAM	8.9480	9.8617	PASS
B2	10	High	19150	1905	QPSK	8.9644	9.8941	PASS
B2	10	High	19150	1905	16QAM	8.9332	9.8517	PASS
B2	15	Low	18675	1857.5	QPSK	13.499	15.748	PASS
B2	15	Low	18675	1857.5	16QAM	13.462	14.687	PASS
B2	15	Mid	18900	1880	QPSK	13.461	14.661	PASS
B2	15	Mid	18900	1880	16QAM	13.442	14.753	PASS
B2	15	High	19125	1902.5	QPSK	13.484	14.656	PASS
B2	15	High	19125	1902.5	16QAM	13.435	14.794	PASS
B2	20	Low	18700	1860	QPSK	17.935	19.461	PASS
B2	20	Low	18700	1860	16QAM	17.956	19.520	PASS
B2	20	Mid	18900	1880	QPSK	17.852	19.447	PASS



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B2	20	Mid	18900	1880	16QAM	17.837	19.275	PASS
B2	20	High	19100	1900	QPSK	17.929	19.464	PASS
B2	20	High	19100	1900	16QAM	17.945	19.580	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B4	1.4	Low	19957	1710.7	QPSK	1.0969	1.2783	PASS
B4	1.4	Low	19957	1710.7	16QAM	1.0975	1.2942	PASS
B4	1.4	Mid	20175	1732.5	QPSK	1.0910	1.2816	PASS
B4	1.4	Mid	20175	1732.5	16QAM	1.0989	1.2790	PASS
B4	1.4	High	20393	1754.3	QPSK	1.0951	1.2776	PASS
B4	1.4	High	20393	1754.3	16QAM	1.0950	1.2876	PASS
B4	3	Low	19965	1711.5	QPSK	2.6907	2.9192	PASS
B4	3	Low	19965	1711.5	16QAM	2.6922	2.9286	PASS
B4	3	Mid	20175	1732.5	QPSK	2.6953	2.9080	PASS
B4	3	Mid	20175	1732.5	16QAM	2.6937	2.9379	PASS
B4	3	High	20385	1753.5	QPSK	2.6906	2.9180	PASS
B4	3	High	20385	1753.5	16QAM	2.6965	2.9354	PASS
B4	5	Low	19975	1712.5	QPSK	4.4995	5.1204	PASS
B4	5	Low	19975	1712.5	16QAM	4.4962	5.1144	PASS
B4	5	Mid	20175	1732.5	QPSK	4.4969	5.0984	PASS
B4	5	Mid	20175	1732.5	16QAM	4.4945	5.0996	PASS
B4	5	High	20375	1752.5	QPSK	4.4947	5.1324	PASS
B4	5	High	20375	1752.5	16QAM	4.4921	5.0577	PASS
B4	10	Low	20000	1715	QPSK	8.9908	9.9763	PASS
B4	10	Low	20000	1715	16QAM	8.9660	9.8799	PASS
B4	10	Mid	20175	1732.5	QPSK	8.9898	9.9551	PASS
B4	10	Mid	20175	1732.5	16QAM	8.9719	9.8988	PASS
B4	10	High	20350	1750	QPSK	8.9983	9.9970	PASS
B4	10	High	20350	1750	16QAM	8.9500	9.8196	PASS
B4	15	Low	20025	1717.5	QPSK	13.487	14.924	PASS
B4	15	Low	20025	1717.5	16QAM	13.473	14.890	PASS
B4	15	Mid	20175	1732.5	QPSK	13.474	14.866	PASS
B4	15	Mid	20175	1732.5	16QAM	13.458	14.923	PASS
B4	15	High	20325	1747.5	QPSK	13.453	14.867	PASS
B4	15	High	20325	1747.5	16QAM	13.440	14.851	PASS
B4	20	Low	20050	1720	QPSK	17.945	19.560	PASS
B4	20	Low	20050	1720	16QAM	17.931	19.628	PASS
B4	20	Mid	20175	1732.5	QPSK	17.929	19.435	PASS
B4	20	Mid	20175	1732.5	16QAM	17.944	19.518	PASS
B4	20	High	20300	1745	QPSK	17.883	19.413	PASS



B4	20	High	20300	1745	16QAM	17.898	19.464	PASS
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LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B5	1.4	Low	20407	824.7	QPSK	1.0913	1.2895	PASS
B5	1.4	Low	20407	824.7	16QAM	1.1001	1.3014	PASS
B5	1.4	Mid	20525	836.5	QPSK	1.0942	1.2943	PASS
B5	1.4	Mid	20525	836.5	16QAM	1.0965	1.2846	PASS
B5	1.4	High	20643	848.3	QPSK	1.0967	1.2779	PASS
B5	1.4	High	20643	848.3	16QAM	1.0948	1.2910	PASS
B5	3	Low	20415	825.5	QPSK	2.6928	3.1078	PASS
B5	3	Low	20415	825.5	16QAM	2.6932	3.4088	PASS
B5	3	Mid	20525	836.5	QPSK	2.6899	2.9173	PASS
B5	3	Mid	20525	836.5	16QAM	2.6919	2.9345	PASS
B5	3	High	20635	847.5	QPSK	2.6899	2.9200	PASS
B5	3	High	20635	847.5	16QAM	2.6943	2.9329	PASS
B5	5	Low	20425	826.5	QPSK	4.4896	5.0949	PASS
B5	5	Low	20425	826.5	16QAM	4.4919	5.0350	PASS
B5	5	Mid	20525	836.5	QPSK	4.4969	5.1321	PASS
B5	5	Mid	20525	836.5	16QAM	4.4996	5.1141	PASS
B5	5	High	20625	846.5	QPSK	4.4907	5.1638	PASS
B5	5	High	20625	846.5	16QAM	4.4947	5.1165	PASS
B5	10	Low	20450	829	QPSK	8.9935	9.8759	PASS
B5	10	Low	20450	829	16QAM	8.9410	9.7792	PASS
B5	10	Mid	20525	836.5	QPSK	9.0013	9.9118	PASS
B5	10	Mid	20525	836.5	16QAM	8.9597	9.9100	PASS
B5	10	High	20600	844	QPSK	8.9974	9.9093	PASS
B5	10	High	20600	844	16QAM	8.9549	9.8647	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B7	5	Low	20775	2502.5	QPSK	4.5024	5.1337	PASS
B7	5	Low	20775	2502.5	16QAM	4.4951	5.0918	PASS
B7	5	Mid	21100	2535	QPSK	4.5049	5.0657	PASS
B7	5	Mid	21100	2535	16QAM	4.4968	5.0892	PASS
B7	5	High	21425	2567.5	QPSK	4.5008	5.1713	PASS
B7	5	High	21425	2567.5	16QAM	4.5053	5.1910	PASS
B7	10	Low	20800	2505	QPSK	9.0042	10.0233	PASS
B7	10	Low	20800	2505	16QAM	8.9733	9.8491	PASS
B7	10	Mid	21100	2535	QPSK	8.9925	9.8959	PASS
B7	10	Mid	21100	2535	16QAM	8.9643	10.0774	PASS
B7	10	High	21400	2565	QPSK	8.9999	10.1097	PASS
B7	10	High	21400	2565	16QAM	8.9700	9.7941	PASS
B7	15	Low	20825	2507.5	QPSK	13.491	14.906	PASS
B7	15	Low	20825	2507.5	16QAM	13.466	14.781	PASS
B7	15	Mid	21100	2535	QPSK	13.487	15.664	PASS
B7	15	Mid	21100	2535	16QAM	13.457	14.891	PASS
B7	15	High	21375	2562.5	QPSK	13.461	14.837	PASS
B7	15	High	21375	2562.5	16QAM	13.451	14.761	PASS
B7	20	Low	20850	2510	QPSK	17.913	19.500	PASS
B7	20	Low	20850	2510	16QAM	17.941	19.395	PASS
B7	20	Mid	21100	2535	QPSK	17.929	19.547	PASS
B7	20	Mid	21100	2535	16QAM	17.961	22.137	PASS
B7	20	High	21350	2560	QPSK	17.882	19.405	PASS
B7	20	High	21350	2560	16QAM	17.887	19.316	PASS



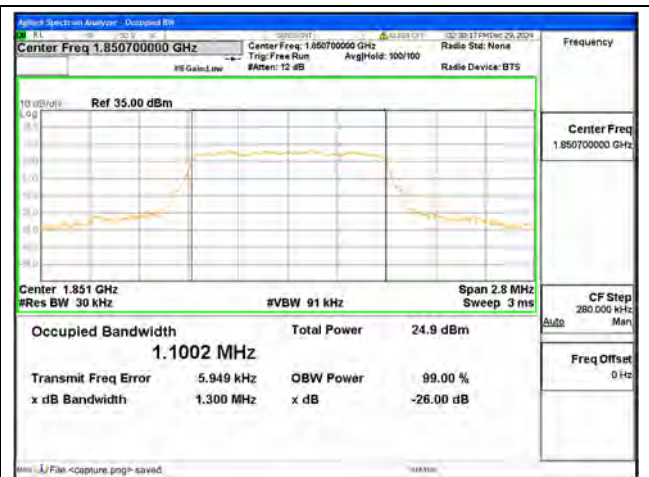
LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B38	5	Low	37775	2572.5	QPSK	4.5028	5.1403	PASS
B38	5	Low	37775	2572.5	16QAM	4.5004	5.0348	PASS
B38	5	Mid	38000	2595	QPSK	4.4958	5.0513	PASS
B38	5	Mid	38000	2595	16QAM	4.5020	5.2976	PASS
B38	5	High	38225	2617.5	QPSK	4.4945	5.0600	PASS
B38	5	High	38225	2617.5	16QAM	4.4909	5.0690	PASS
B38	10	Low	37800	2575	QPSK	8.9516	10.0565	PASS
B38	10	Low	37800	2575	16QAM	8.9585	9.7722	PASS
B38	10	Mid	38000	2595	QPSK	8.9682	9.9141	PASS
B38	10	Mid	38000	2595	16QAM	8.9547	9.7396	PASS
B38	10	High	38200	2615	QPSK	8.9643	9.7562	PASS
B38	10	High	38200	2615	16QAM	8.9559	9.8092	PASS
B38	15	Low	37825	2577.5	QPSK	13.447	14.718	PASS
B38	15	Low	37825	2577.5	16QAM	13.479	16.424	PASS
B38	15	Mid	38000	2595	QPSK	13.464	15.385	PASS
B38	15	Mid	38000	2595	16QAM	13.459	15.020	PASS
B38	15	High	38175	2612.5	QPSK	13.449	14.816	PASS
B38	15	High	38175	2612.5	16QAM	13.456	15.065	PASS
B38	20	Low	37850	2580	QPSK	17.904	19.529	PASS
B38	20	Low	37850	2580	16QAM	17.917	20.054	PASS
B38	20	Mid	38000	2595	QPSK	17.905	19.484	PASS
B38	20	Mid	38000	2595	16QAM	17.904	19.783	PASS
B38	20	High	38150	2610	QPSK	17.933	19.402	PASS
B38	20	High	38150	2610	16QAM	17.911	19.681	PASS



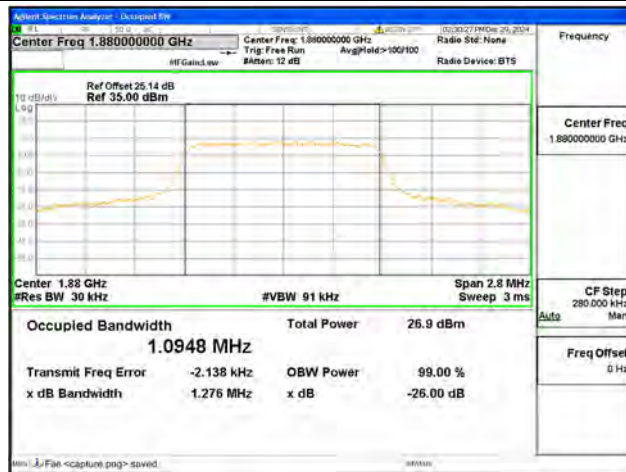
LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B41	5	Low	39675	2498.5	QPSK	4.4869	5.0271	PASS
B41	5	Low	39675	2498.5	16QAM	4.4969	5.0677	PASS
B41	5	Mid	40620	2593	QPSK	4.4980	5.1391	PASS
B41	5	Mid	40620	2593	16QAM	4.4982	5.0888	PASS
B41	5	High	41565	2687.5	QPSK	4.4915	5.1072	PASS
B41	5	High	41565	2687.5	16QAM	4.4923	5.0507	PASS
B41	10	Low	39700	2501	QPSK	8.9773	9.9589	PASS
B41	10	Low	39700	2501	16QAM	8.9515	9.7577	PASS
B41	10	Mid	40620	2593	QPSK	8.9558	9.9621	PASS
B41	10	Mid	40620	2593	16QAM	8.9599	9.8246	PASS
B41	10	High	41540	2685	QPSK	8.9885	9.8003	PASS
B41	10	High	41540	2685	16QAM	8.9614	9.8174	PASS
B41	15	Low	39725	2503.5	QPSK	13.459	14.856	PASS
B41	15	Low	39725	2503.5	16QAM	13.485	15.079	PASS
B41	15	Mid	40620	2593	QPSK	13.464	14.765	PASS
B41	15	Mid	40620	2593	16QAM	13.493	14.886	PASS
B41	15	High	41515	2682.5	QPSK	13.435	14.643	PASS
B41	15	High	41515	2682.5	16QAM	13.432	15.130	PASS
B41	20	Low	39750	2506	QPSK	17.897	19.431	PASS
B41	20	Low	39750	2506	16QAM	17.909	19.983	PASS
B41	20	Mid	40620	2593	QPSK	17.886	19.905	PASS
B41	20	Mid	40620	2593	16QAM	17.932	21.014	PASS
B41	20	High	41490	2680	QPSK	17.902	19.346	PASS
B41	20	High	41490	2680	16QAM	17.882	19.622	PASS



B2 / 1.4MHz / QPSK/ Low CH



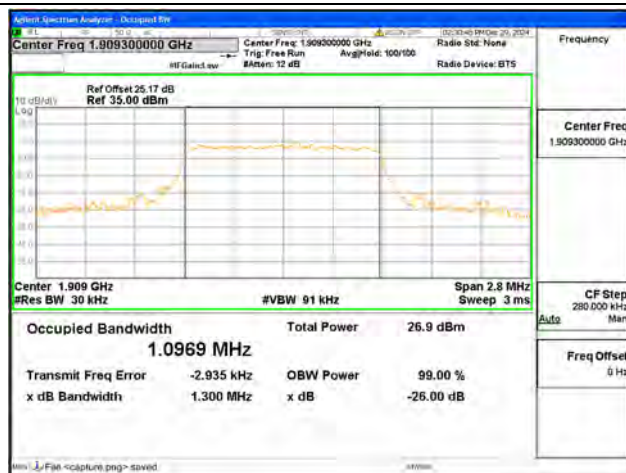
B2 / 1.4MHz / 16QAM/ Low CH



B2 / 1.4MHz / QPSK/ Mid CH



B2 / 1.4MHz / 16QAM/ Mid CH



B2 / 1.4MHz / QPSK/ High CH



B2 / 1.4MHz / 16QAM/ High CH



B2 / 3MHz / QPSK/ Low CH



B2 / 3MHz / 16QAM/ Low CH



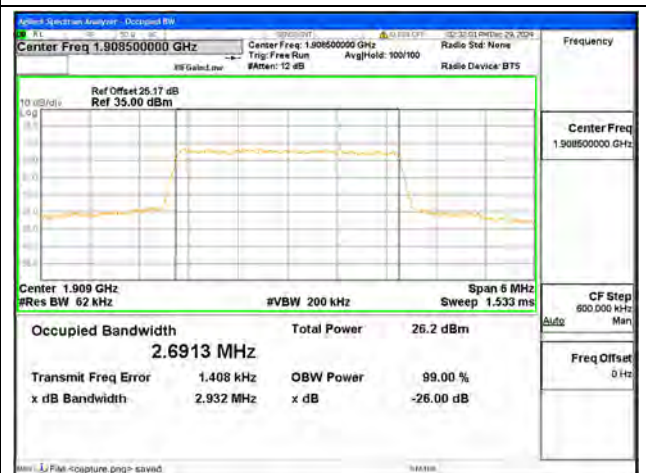
B2 / 3MHz / QPSK/ Mid CH



B2 / 3MHz / 16QAM/ Mid CH



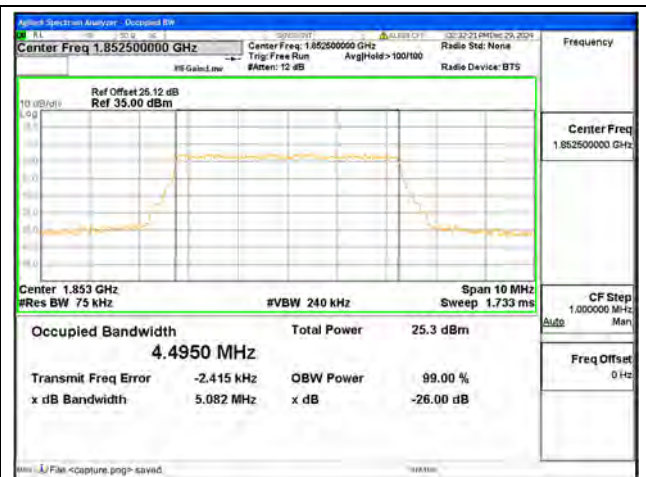
B2 / 3MHz / QPSK/ High CH



B2 / 3MHz / 16QAM/ High CH



B2 / 5MHz / QPSK/ Low CH



B2 / 5MHz / 16QAM/ Low CH



B2 / 5MHz / QPSK/ Mid CH



B2 / 5MHz / 16QAM/ Mid CH



B2 / 5MHz / QPSK/ High CH



B2 / 5MHz / 16QAM/ High CH



B2 / 10MHz / QPSK/ Low CH



B2 / 10MHz / 16QAM/ Low CH



B2 / 10MHz / QPSK/ Mid CH



B2 / 10MHz / 16QAM/ Mid CH



B2 / 10MHz / QPSK/ High CH



B2 / 10MHz / 16QAM/ High CH



B2 / 15MHz / QPSK/ Low CH



B2 / 15MHz / 16QAM/ Low CH



B2 / 15MHz / QPSK/ Mid CH



B2 / 15MHz / 16QAM/ Mid CH



B2 / 15MHz / QPSK/ High CH



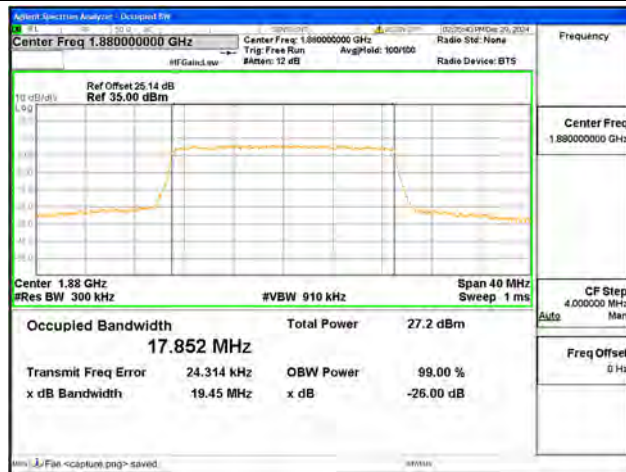
B2 / 15MHz / 16QAM/ High CH



B2 / 20MHz / QPSK/ Low CH



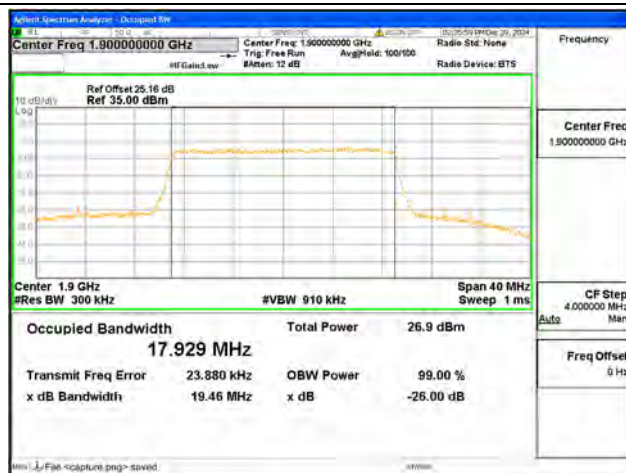
B2 / 20MHz / 16QAM/ Low CH



B2 / 20MHz / QPSK/ Mid CH



B2 / 20MHz / 16QAM/ Mid CH



B2 / 20MHz / QPSK/ High CH



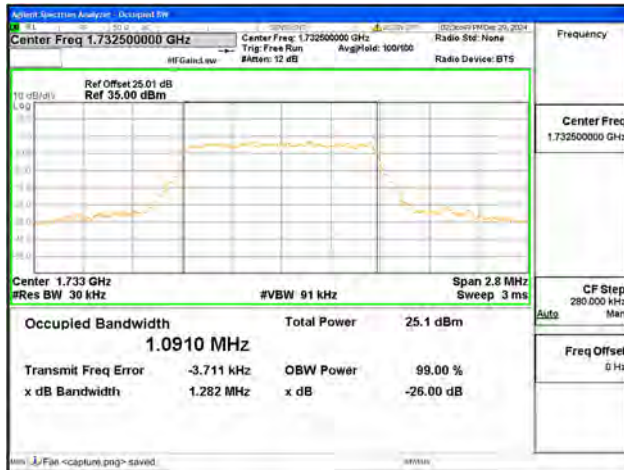
B2 / 20MHz / 16QAM/ High CH



B4 / 1.4MHz / QPSK/ Low CH



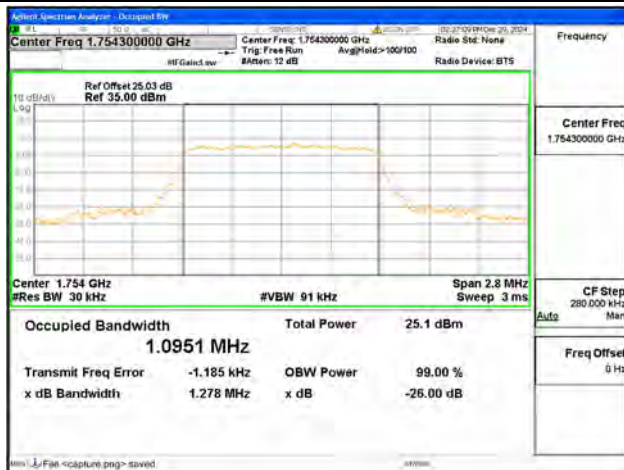
B4 / 1.4MHz / 16QAM/ Low CH



B4 / 1.4MHz / QPSK/ Mid CH



B4 / 1.4MHz / 16QAM/ Mid CH



B4 / 1.4MHz / QPSK/ High CH



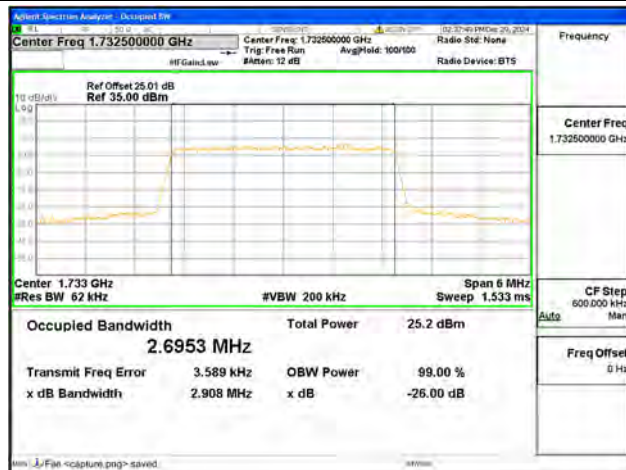
B4 / 1.4MHz / 16QAM/ High CH



B4 / 3MHz / QPSK/ Low CH



B4 / 3MHz / 16QAM/ Low CH



B4 / 3MHz / QPSK/ Mid CH



B4 / 3MHz / 16QAM/ Mid CH



B4 / 3MHz / QPSK/ High CH



B4 / 3MHz / 16QAM/ High CH



B4 / 5MHz / QPSK/ Low CH



B4 / 5MHz / 16QAM/ Low CH



B4 / 5MHz / QPSK/ Mid CH



B4 / 5MHz / 16QAM/ Mid CH



B4 / 5MHz / QPSK/ High CH



B4 / 5MHz / 16QAM/ High CH



B4 / 10MHz / QPSK/ Low CH



B4 / 10MHz / 16QAM/ Low CH



B4 / 10MHz / QPSK/ Mid CH



B4 / 10MHz / 16QAM/ Mid CH



B4 / 10MHz / QPSK/ High CH



B4 / 10MHz / 16QAM/ High CH



B4 / 15MHz / QPSK/ Low CH



B4 / 15MHz / 16QAM/ Low CH



B4 / 15MHz / QPSK/ Mid CH



B4 / 15MHz / 16QAM/ Mid CH



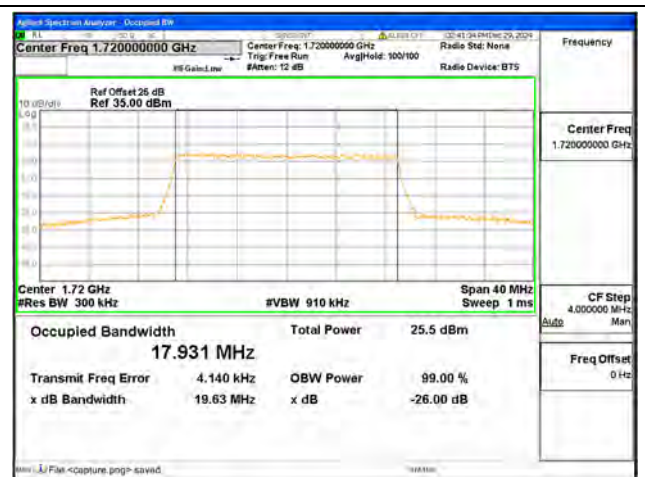
B4 / 15MHz / QPSK/ High CH



B4 / 15MHz / 16QAM/ High CH



B4 / 20MHz / QPSK/ Low CH



B4 / 20MHz / 16QAM/ Low CH



B4 / 20MHz / QPSK/ Mid CH



B4 / 20MHz / 16QAM/ Mid CH



B4 / 20MHz / QPSK/ High CH



B4 / 20MHz / 16QAM/ High CH



B5 / 1.4MHz / QPSK/ Low CH



B5 / 1.4MHz / 16QAM/ Low CH



B5 / 1.4MHz / QPSK/ Mid CH



B5 / 1.4MHz / 16QAM/ Mid CH



B5 / 1.4MHz / QPSK/ High CH



B5 / 1.4MHz / 16QAM/ High CH



B5 / 3MHz / QPSK/ Low CH



B5 / 3MHz / 16QAM/ Low CH



B5 / 3MHz / QPSK/ Mid CH



B5 / 3MHz / 16QAM/ Mid CH



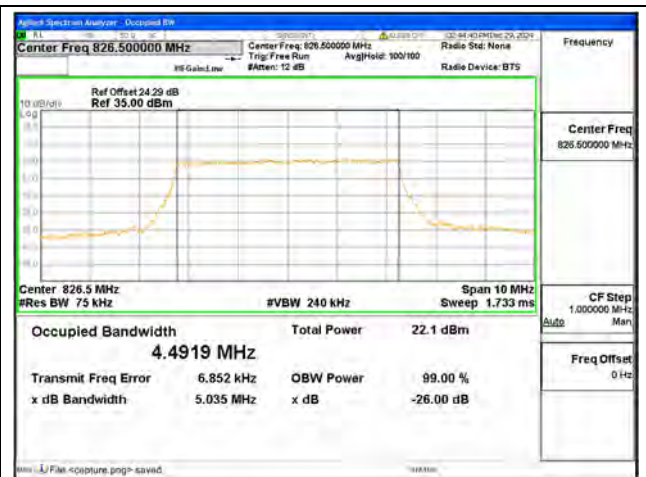
B5 / 3MHz / QPSK/ High CH



B5 / 3MHz / 16QAM/ High CH



B5 / 5MHz / QPSK/ Low CH



B5 / 5MHz / 16QAM/ Low CH



B5 / 5MHz / QPSK/ Mid CH



B5 / 5MHz / 16QAM/ Mid CH



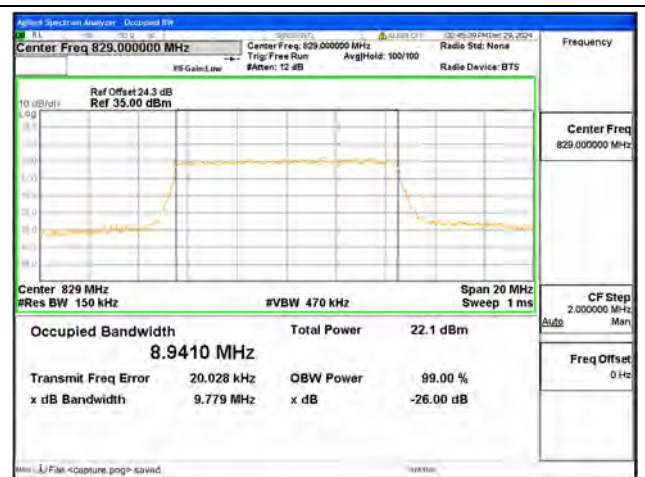
B5 / 5MHz / QPSK/ High CH



B5 / 5MHz / 16QAM/ High CH



B5 / 10MHz / QPSK/ Low CH



B5 / 10MHz / 16QAM/ Low CH



B5 / 10MHz / QPSK/ Mid CH



B5 / 10MHz / 16QAM/ Mid CH



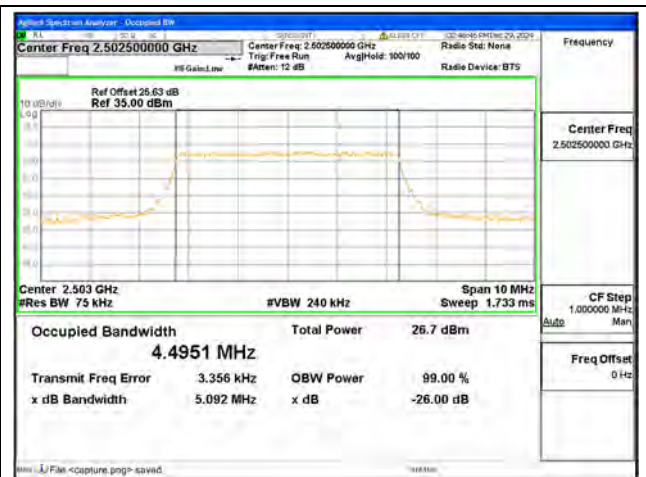
B5 / 10MHz / QPSK/ High CH



B5 / 10MHz / 16QAM/ High CH



B7 / 5MHz / QPSK/ Low CH



B7 / 5MHz / 16QAM/ Low CH



B7 / 5MHz / QPSK/ Mid CH



B7 / 5MHz / 16QAM/ Mid CH



B7 / 5MHz / QPSK/ High CH



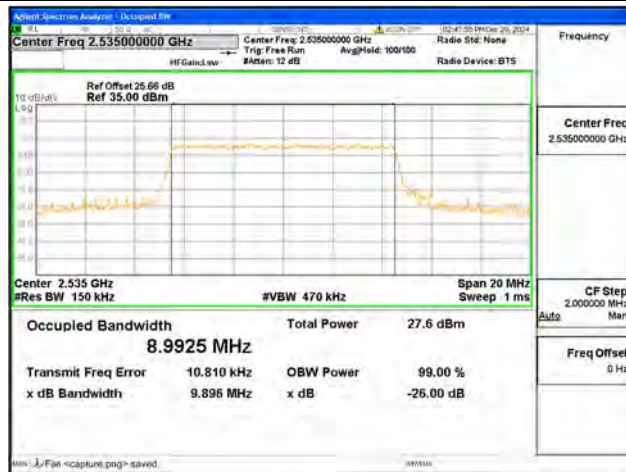
B7 / 5MHz / 16QAM/ High CH



B7 / 10MHz / QPSK/ Low CH



B7 / 10MHz / 16QAM/ Low CH



B7 / 10MHz / QPSK/ Mid CH



B7 / 10MHz / 16QAM/ Mid CH



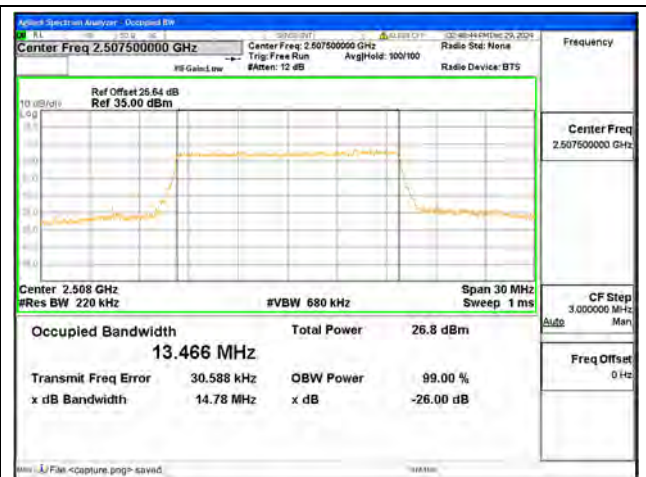
B7 / 10MHz / QPSK/ High CH



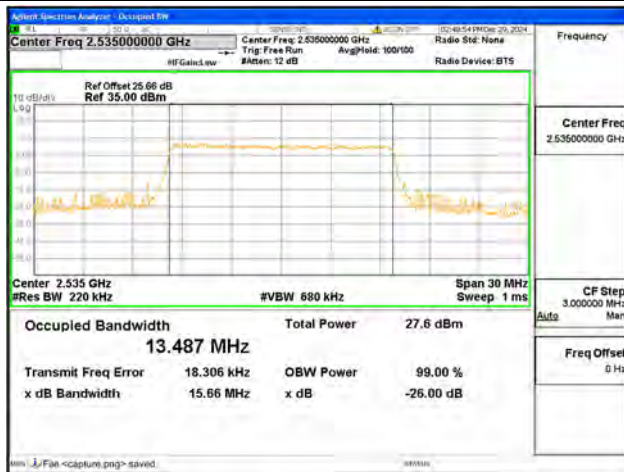
B7 / 10MHz / 16QAM/ High CH



B7 / 15MHz / QPSK/ Low CH



B7 / 15MHz / 16QAM/ Low CH



B7 / 15MHz / QPSK/ Mid CH



B7 / 15MHz / 16QAM/ Mid CH



B7 / 15MHz / QPSK/ High CH



B7 / 15MHz / 16QAM/ High CH



B7 / 20MHz / QPSK/ Low CH



B7 / 20MHz / 16QAM/ Low CH



B7 / 20MHz / QPSK/ Mid CH



B7 / 20MHz / 16QAM/ Mid CH



B7 / 20MHz / QPSK/ High CH



B7 / 20MHz / 16QAM/ High CH



B38 / 5MHz / QPSK/ Low CH



B38 / 5MHz / 16QAM/ Low CH



B38 / 5MHz / QPSK/ Mid CH



B38 / 5MHz / 16QAM/ Mid CH



B38 / 5MHz / QPSK/ High CH



B38 / 5MHz / 16QAM/ High CH



B38 / 10MHz / QPSK/ Low CH



B38 / 10MHz / 16QAM/ Low CH



B38 / 10MHz / QPSK/ Mid CH



B38 / 10MHz / 16QAM/ Mid CH



B38 / 10MHz / QPSK/ High CH



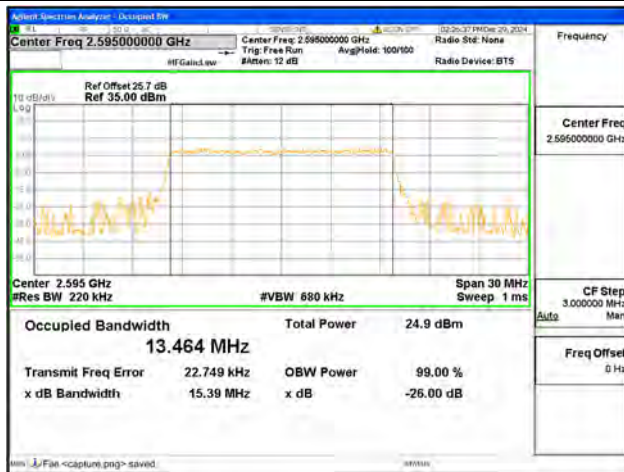
B38 / 10MHz / 16QAM/ High CH



B38 / 15MHz / QPSK/ Low CH



B38 / 15MHz / 16QAM/ Low CH



B38 / 15MHz / QPSK/ Mid CH



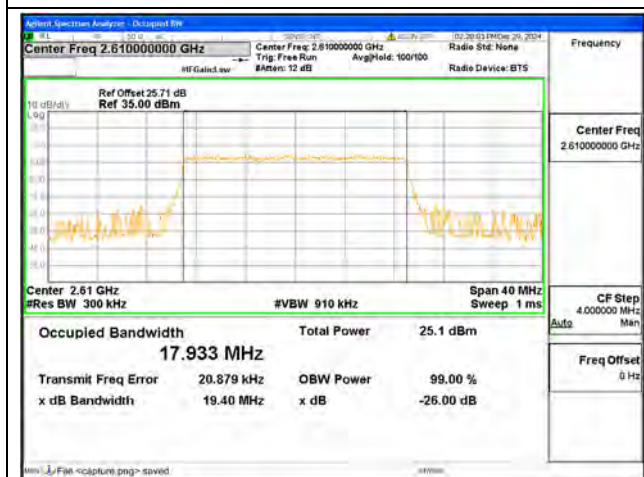
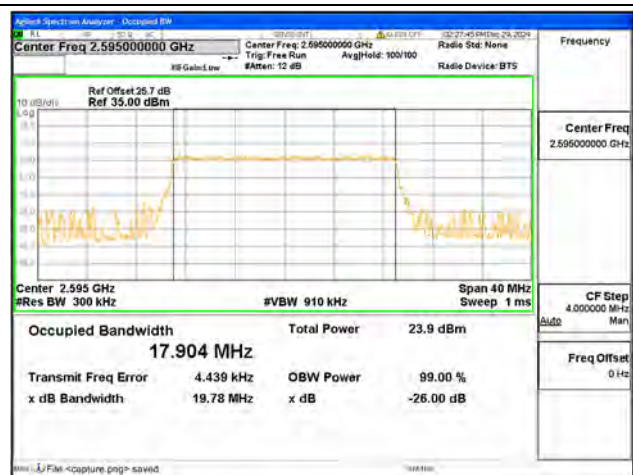
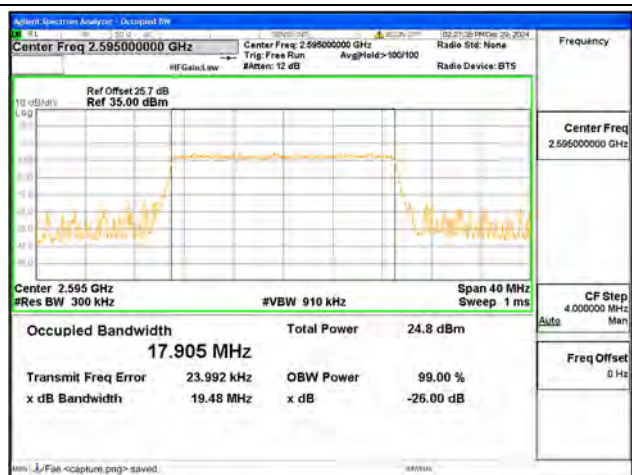
B38 / 15MHz / 16QAM/ Mid CH



B38 / 15MHz / QPSK/ High CH



B38 / 15MHz / 16QAM/ High CH





B41 / 5MHz / QPSK/ Low CH



B41 / 5MHz / 16QAM/ Low CH



B41 / 5MHz / QPSK/ Mid CH



B41 / 5MHz / 16QAM/ Mid CH



B41 / 5MHz / QPSK/ High CH



B41 / 5MHz / 16QAM/ High CH



B41 / 10MHz / QPSK/ Low CH



B41 / 10MHz / 16QAM/ Low CH



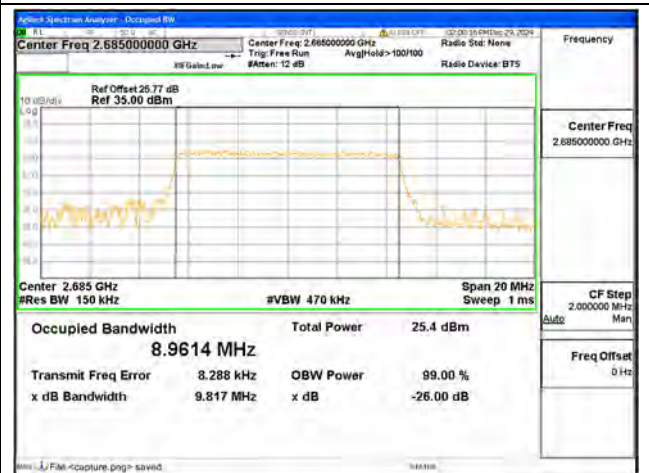
B41 / 10MHz / QPSK/ Mid CH



B41 / 10MHz / 16QAM/ Mid CH



B41 / 10MHz / QPSK/ High CH



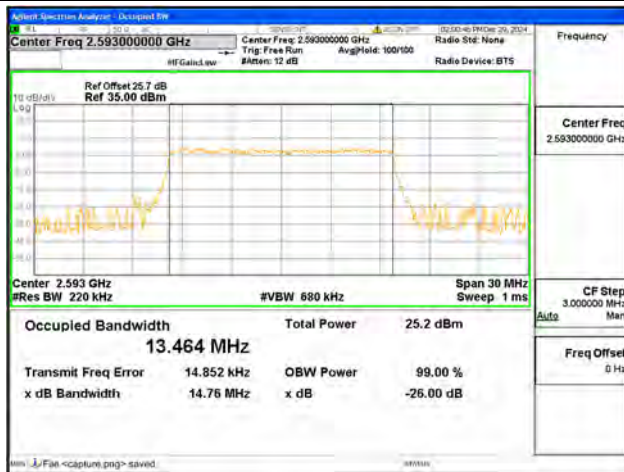
B41 / 10MHz / 16QAM/ High CH



B41 / 15MHz / QPSK/ Low CH



B41 / 15MHz / 16QAM/ Low CH



B41 / 15MHz / QPSK/ Mid CH



B41 / 15MHz / 16QAM/ Mid CH



B41 / 15MHz / QPSK/ High CH



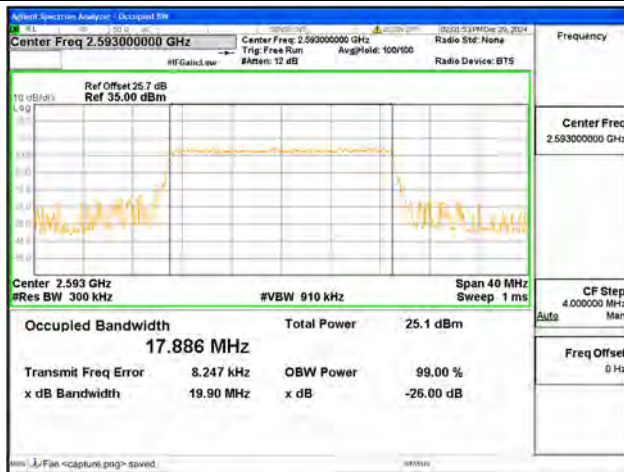
B41 / 15MHz / 16QAM/ High CH



B41 / 20MHz / QPSK/ Low CH



B41 / 20MHz / 16QAM/ Low CH



B41 / 20MHz / QPSK/ Mid CH



B41 / 20MHz / 16QAM/ Mid CH



B41 / 20MHz / QPSK/ High CH



B41 / 20MHz / 16QAM/ High CH

2.3. Frequency Stability

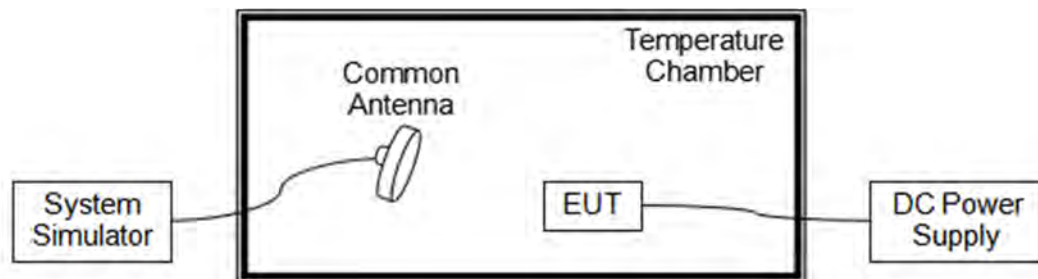
2.3.1. Requirement

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

Note: The operating temperature of EUT is from -10°C to 50°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 3.80V, 4.35V and 3.60V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, 64QAM, Channel 18900, Frequency 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	18	0.010	PASS
Normal		-10	13	0.007	
Normal		0	14	0.007	
Normal		+10	17	0.009	
Normal		+20	17	0.009	
Normal		+30	19	0.010	
Normal		+40	14	0.007	
Normal		+50	19	0.010	
High	4.35	+20	20	0.011	
BATT.ENDPOINT	3.60	+20	19	0.010	

LTE Band 4, 64QAM, Channel 20175, Frequency 1732.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	14	0.008	PASS
Normal		-10	15	0.009	
Normal		0	18	0.010	
Normal		+10	20	0.012	
Normal		+20	-16	-0.009	
Normal		+30	15	0.009	
Normal		+40	14	0.008	
Normal		+50	-18	-0.010	
High	4.35	+20	-14	-0.008	
BATT.ENDPOINT	3.60	+20	21	0.012	



LTE Band 5, 64QAM, Channel 20525, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	13	0.016	PASS
Normal		-10	13	0.016	
Normal		0	20	0.024	
Normal		+10	-2	-0.002	
Normal		+20	18	0.022	
Normal		+30	8	0.010	
Normal		+40	18	0.022	
Normal		+50	19	0.023	
High	4.35	+20	22	0.026	
BATT.ENDPOINT	3.60	+20	-9	-0.011	

LTE Band 7, 64QAM, Channel 21100, Frequency 2535MHz Limit= Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	11	0.004	PASS
Normal		-10	14	0.006	
Normal		0	14	0.006	
Normal		+10	19	0.007	
Normal		+20	-12	-0.005	
Normal		+30	15	0.006	
Normal		+40	14	0.006	
Normal		+50	15	0.006	
High	4.35	+20	2	0.001	
BATT.ENDPOINT	3.60	+20	18	0.007	



LTE Band 38, 64QAM, Channel 38000, Frequency 2595MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-7	-0.003	PASS
Normal		-10	16	0.006	
Normal		0	17	0.007	
Normal		+10	-11	-0.004	
Normal		+20	18	0.007	
Normal		+30	13	0.005	
Normal		+40	14	0.005	
Normal		+50	16	0.006	
High	4.35	+20	16	0.006	
BATT.ENDPOINT	3.60	+20	20	0.008	

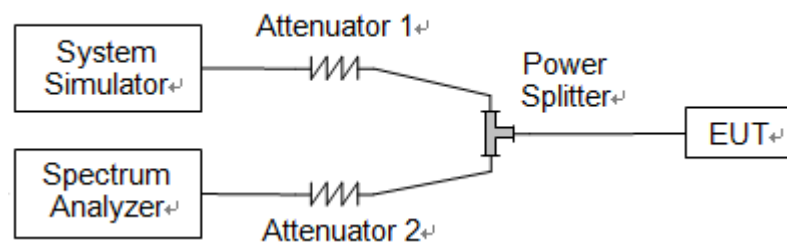
LTE Band 41, 64QAM, Channel 40620, Frequency 2593MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	15	0.006	PASS
Normal		-10	13	0.005	
Normal		0	14	0.005	
Normal		+10	13	0.005	
Normal		+20	-2	-0.001	
Normal		+30	13	0.005	
Normal		+40	-19	-0.007	
Normal		+50	17	0.007	
High	4.35	+20	10	0.004	
BATT.ENDPOINT	3.60	+20	18	0.007	

2.4. Peak to Average Ratio

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	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	Peak to Average Radio(dB)	Verdict
B2	1.4	Low	18607	1850.7	QPSK	5.39	PASS
B2	1.4	Low	18607	1850.7	16QAM	6.10	PASS
B2	1.4	Mid	18900	1880	QPSK	4.46	PASS
B2	1.4	Mid	18900	1880	16QAM	5.50	PASS
B2	1.4	High	19193	1909.3	QPSK	5.02	PASS
B2	1.4	High	19193	1909.3	16QAM	5.86	PASS
B2	3	Low	18615	1851.5	QPSK	5.40	PASS
B2	3	Low	18615	1851.5	16QAM	6.24	PASS
B2	3	Mid	18900	1880	QPSK	4.54	PASS
B2	3	Mid	18900	1880	16QAM	5.43	PASS
B2	3	High	19185	1908.5	QPSK	5.14	PASS
B2	3	High	19185	1908.5	16QAM	5.85	PASS
B2	5	Low	18625	1852.5	QPSK	5.51	PASS
B2	5	Low	18625	1852.5	16QAM	6.17	PASS
B2	5	Mid	18900	1880	QPSK	4.97	PASS
B2	5	Mid	18900	1880	16QAM	5.65	PASS
B2	5	High	19175	1907.5	QPSK	5.31	PASS
B2	5	High	19175	1907.5	16QAM	5.92	PASS
B2	10	Low	18650	1855	QPSK	5.59	PASS
B2	10	Low	18650	1855	16QAM	6.24	PASS
B2	10	Mid	18900	1880	QPSK	5.03	PASS
B2	10	Mid	18900	1880	16QAM	5.76	PASS
B2	10	High	19150	1905	QPSK	5.37	PASS
B2	10	High	19150	1905	16QAM	6.02	PASS
B2	15	Low	18675	1857.5	QPSK	5.62	PASS
B2	15	Low	18675	1857.5	16QAM	6.29	PASS
B2	15	Mid	18900	1880	QPSK	4.93	PASS
B2	15	Mid	18900	1880	16QAM	5.68	PASS
B2	15	High	19125	1902.5	QPSK	5.28	PASS
B2	15	High	19125	1902.5	16QAM	6.00	PASS
B2	20	Low	18700	1860	QPSK	5.70	PASS



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B2	20	Low	18700	1860	16QAM	6.34	PASS
B2	20	Mid	18900	1880	QPSK	5.14	PASS
B2	20	Mid	18900	1880	16QAM	5.89	PASS
B2	20	High	19100	1900	QPSK	5.57	PASS
B2	20	High	19100	1900	16QAM	6.16	PASS
B4	1.4	Low	19957	1710.7	QPSK	5.26	PASS
B4	1.4	Low	19957	1710.7	16QAM	6.04	PASS
B4	1.4	Mid	20175	1732.5	QPSK	5.88	PASS
B4	1.4	Mid	20175	1732.5	16QAM	6.66	PASS
B4	1.4	High	20393	1754.3	QPSK	5.59	PASS
B4	1.4	High	20393	1754.3	16QAM	6.36	PASS
B4	3	Low	19965	1711.5	QPSK	5.47	PASS
B4	3	Low	19965	1711.5	16QAM	6.27	PASS
B4	3	Mid	20175	1732.5	QPSK	5.90	PASS
B4	3	Mid	20175	1732.5	16QAM	6.72	PASS
B4	3	High	20385	1753.5	QPSK	5.67	PASS
B4	3	High	20385	1753.5	16QAM	6.47	PASS
B4	5	Low	19975	1712.5	QPSK	5.63	PASS
B4	5	Low	19975	1712.5	16QAM	6.34	PASS
B4	5	Mid	20175	1732.5	QPSK	5.91	PASS
B4	5	Mid	20175	1732.5	16QAM	6.56	PASS
B4	5	High	20375	1752.5	QPSK	5.79	PASS
B4	5	High	20375	1752.5	16QAM	6.39	PASS
B4	10	Low	20000	1715	QPSK	5.78	PASS
B4	10	Low	20000	1715	16QAM	6.47	PASS
B4	10	Mid	20175	1732.5	QPSK	5.93	PASS
B4	10	Mid	20175	1732.5	16QAM	6.54	PASS
B4	10	High	20350	1750	QPSK	5.72	PASS
B4	10	High	20350	1750	16QAM	6.33	PASS
B4	15	Low	20025	1717.5	QPSK	5.84	PASS
B4	15	Low	20025	1717.5	16QAM	6.51	PASS
B4	15	Mid	20175	1732.5	QPSK	5.90	PASS
B4	15	Mid	20175	1732.5	16QAM	6.58	PASS
B4	15	High	20325	1747.5	QPSK	5.62	PASS
B4	15	High	20325	1747.5	16QAM	6.26	PASS
B4	20	Low	20050	1720	QPSK	5.85	PASS
B4	20	Low	20050	1720	16QAM	6.57	PASS
B4	20	Mid	20175	1732.5	QPSK	5.86	PASS



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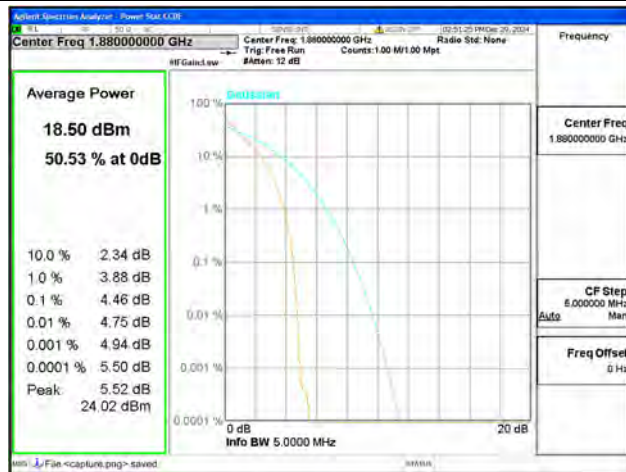
B4	20	Mid	20175	1732.5	16QAM	6.59	PASS
B4	20	High	20300	1745	QPSK	5.63	PASS
B4	20	High	20300	1745	16QAM	6.42	PASS



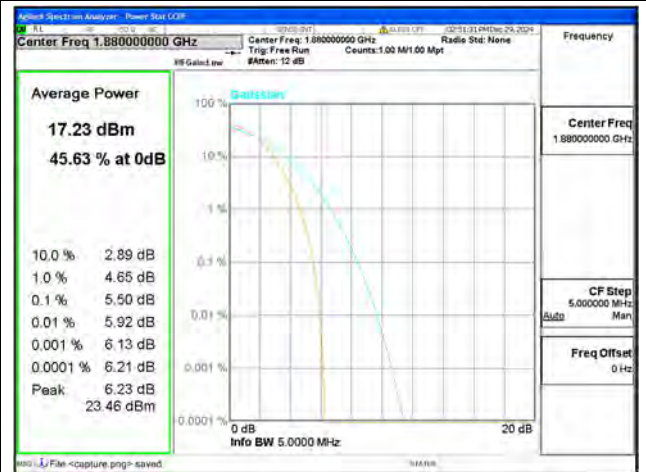
B2 / 1.4MHz / Low CH / QPSK



B2 / 1.4MHz / Low CH / 16QAM



B2 / 1.4MHz / Mid CH / QPSK



B2 / 1.4MHz / Mid CH / 16QAM



B2 / 1.4MHz / High CH / QPSK



B2 / 1.4MHz / High CH / 16QAM



B2 / 3MHz / Low CH / QPSK



B2 / 3MHz / Low CH / 16QAM



B2 / 3MHz / Mid CH / QPSK



B2 / 3MHz / Mid CH / 16QAM



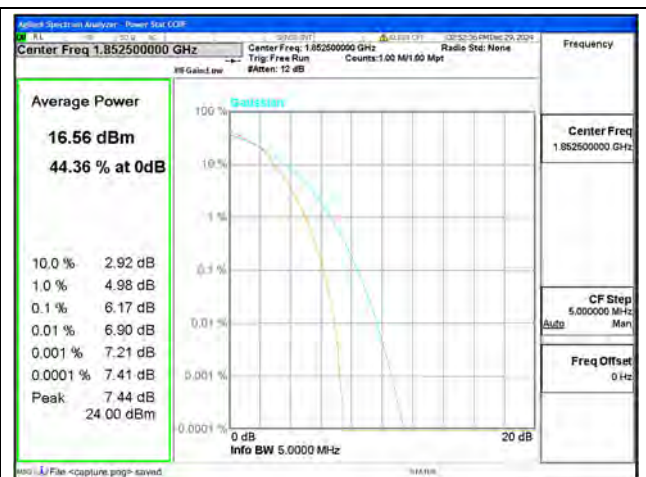
B2 / 3MHz / High CH / QPSK



B2 / 3MHz / High CH / 16QAM



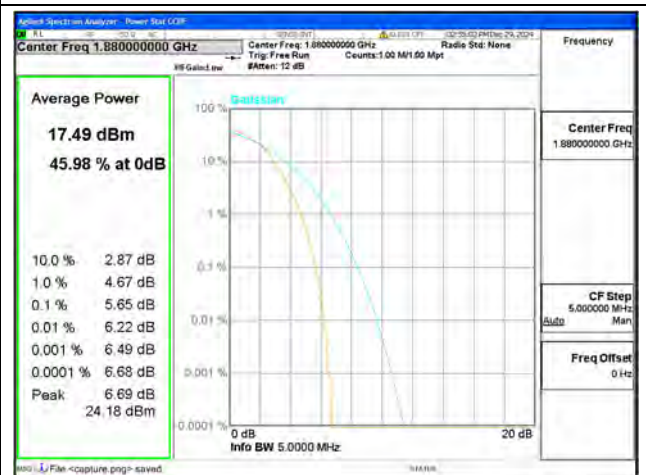
B2 / 5MHz / Low CH / QPSK



B2 / 5MHz / Low CH / 16QAM



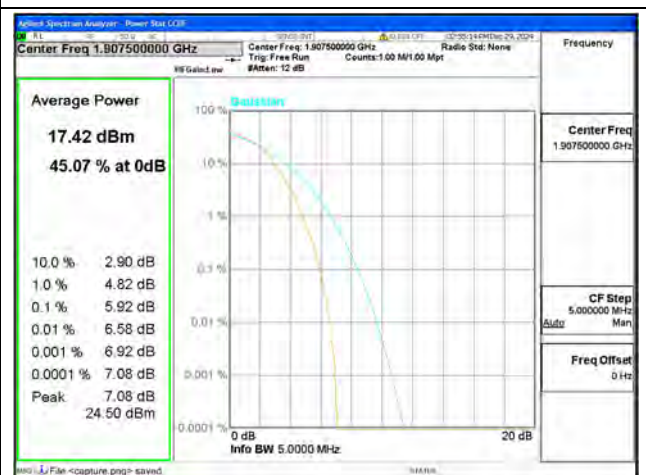
B2 / 5MHz / Mid CH / QPSK



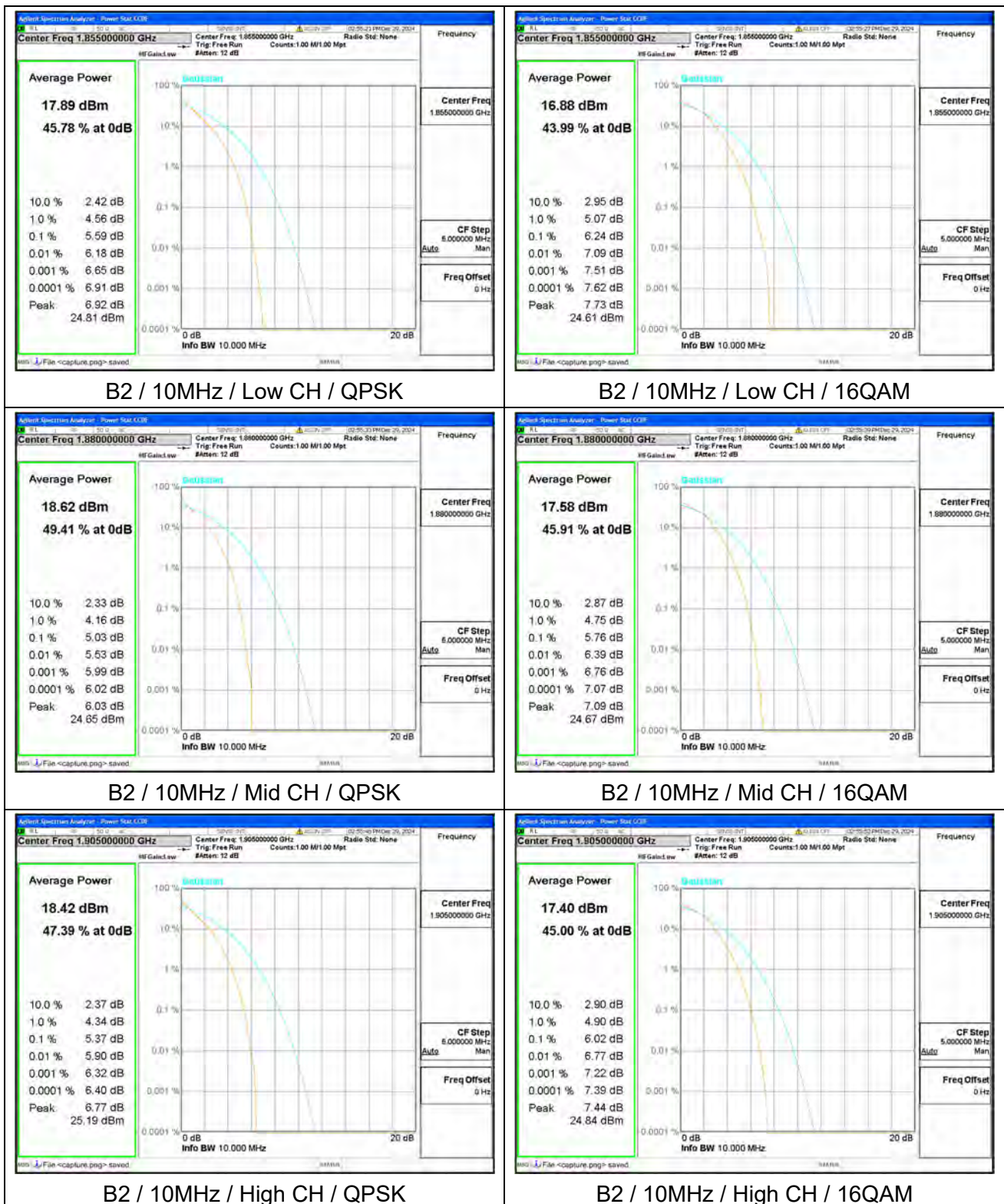
B2 / 5MHz / Mid CH / 16QAM



B2 / 5MHz / High CH / QPSK



B2 / 5MHz / High CH / 16QAM

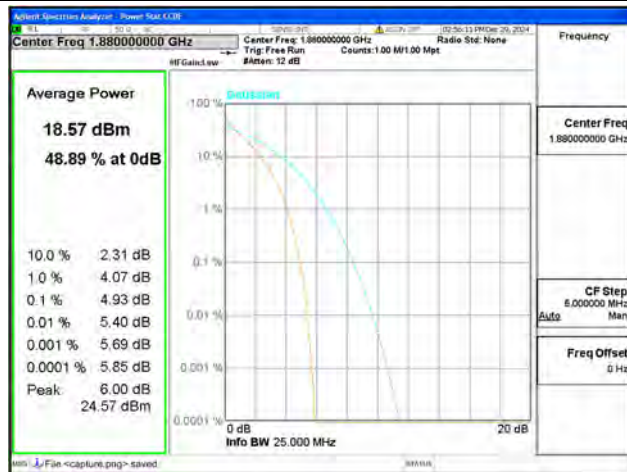




B2 / 15MHz / Low CH / QPSK



B2 / 15MHz / Low CH / 16QAM



B2 / 15MHz / Mid CH / QPSK



B2 / 15MHz / Mid CH / 16QAM



B2 / 15MHz / High CH / QPSK



B2 / 15MHz / High CH / 16QAM



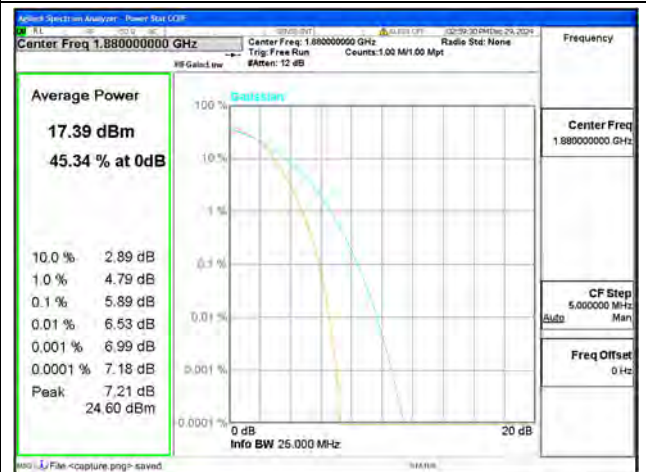
B2 / 20MHz / Low CH / QPSK



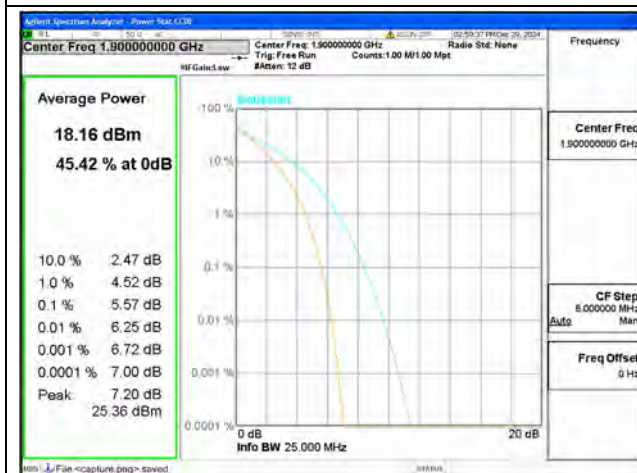
B2 / 20MHz / Low CH / 16QAM



B2 / 20MHz / Mid CH / QPSK



B2 / 20MHz / Mid CH / 16QAM



B2 / 20MHz / High CH / QPSK



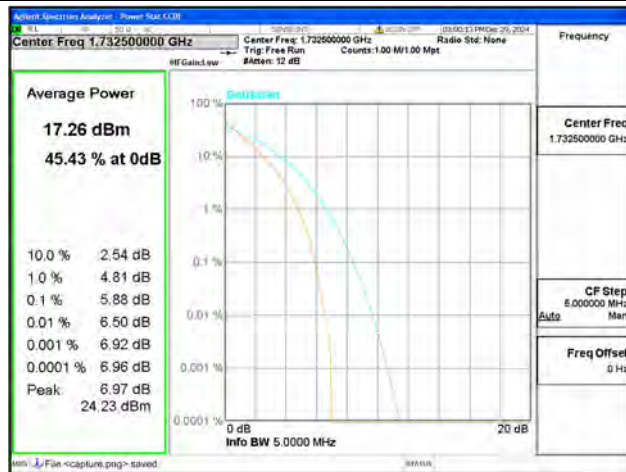
B2 / 20MHz / High CH / 16QAM



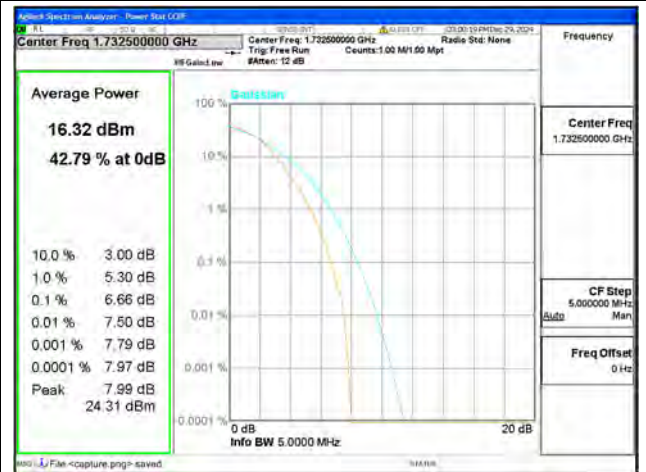
B4 / 1.4MHz / Low CH / QPSK



B4 / 1.4MHz / Low CH / 16QAM



B4 / 1.4MHz / Mid CH / QPSK



B4 / 1.4MHz / Mid CH / 16QAM



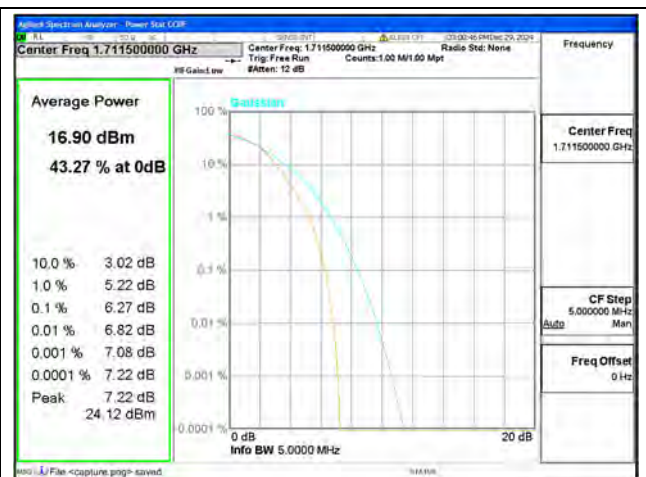
B4 / 1.4MHz / High CH / QPSK



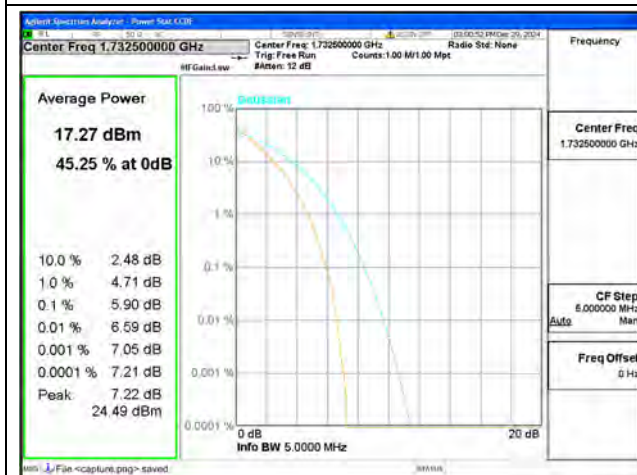
B4 / 1.4MHz / High CH / 16QAM



B4 / 3MHz / Low CH / QPSK



B4 / 3MHz / Low CH / 16QAM



B4 / 3MHz / Mid CH / QPSK



B4 / 3MHz / Mid CH / 16QAM



B4 / 3MHz / High CH / QPSK



B4 / 3MHz / High CH / 16QAM



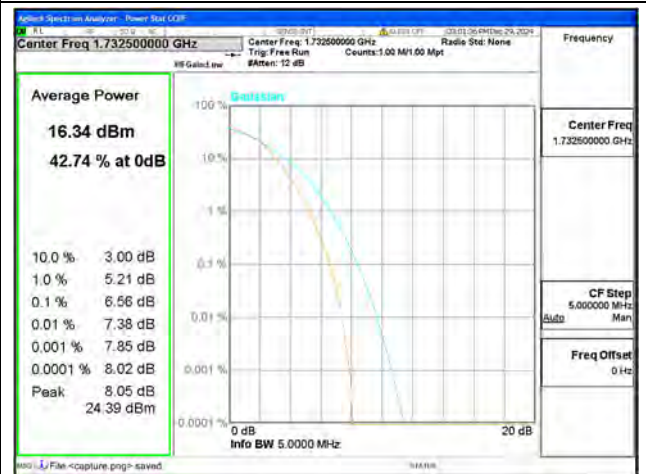
B4 / 5MHz / Low CH / QPSK



B4 / 5MHz / Low CH / 16QAM



B4 / 5MHz / Mid CH / QPSK



B4 / 5MHz / Mid CH / 16QAM



B4 / 5MHz / High CH / QPSK



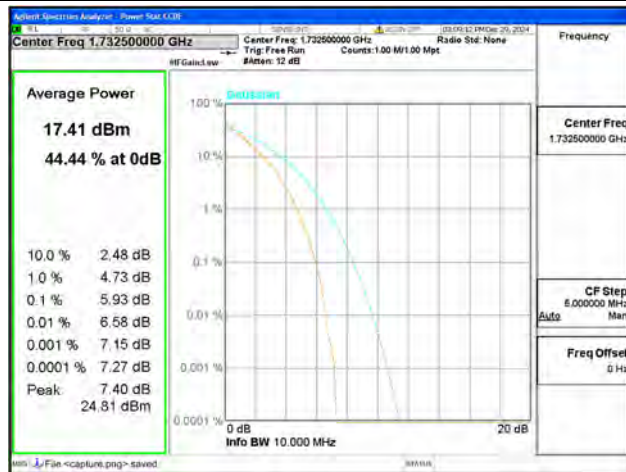
B4 / 5MHz / High CH / 16QAM



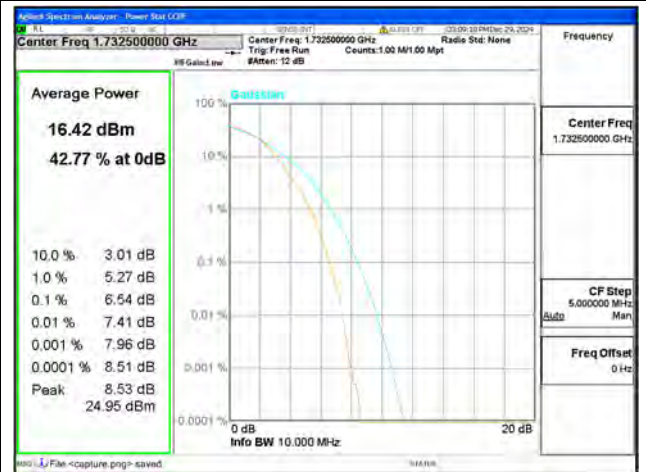
B4 / 10MHz / Low CH / QPSK



B4 / 10MHz / Low CH / 16QAM



B4 / 10MHz / Mid CH / QPSK



B4 / 10MHz / Mid CH / 16QAM



B4 / 10MHz / High CH / QPSK



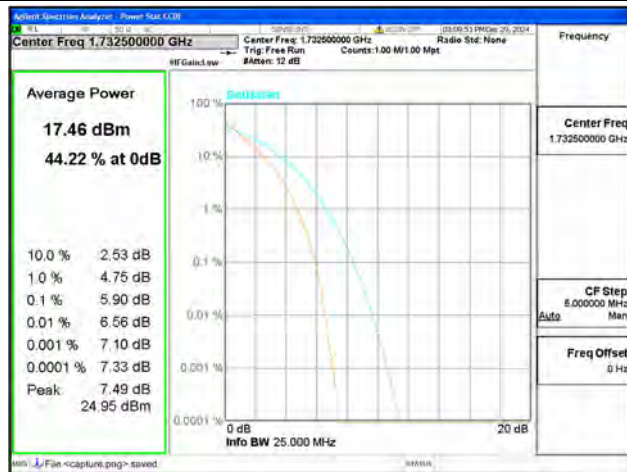
B4 / 10MHz / High CH / 16QAM



B4 / 15MHz / Low CH / QPSK



B4 / 15MHz / Low CH / 16QAM



B4 / 15MHz / Mid CH / QPSK



B4 / 15MHz / Mid CH / 16QAM



B4 / 15MHz / High CH / QPSK



B4 / 15MHz / High CH / 16QAM



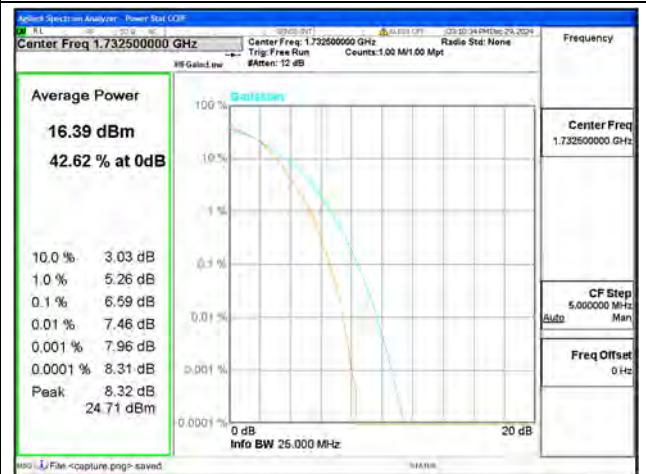
B4 / 20MHz / Low CH / QPSK



B4 / 20MHz / Low CH / 16QAM



B4 / 20MHz / Mid CH / QPSK



B4 / 20MHz / Mid CH / 16QAM



B4 / 20MHz / High CH / QPSK



B4 / 20MHz / High CH / 16QAM

2.5. Conducted Spurious Emissions

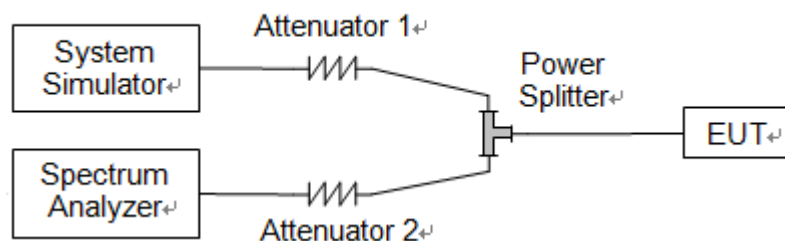
2.5.1. Requirement

According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. This calculated to be -13dBm.

Additional requirement for LTE Band 7/38/41:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $55 + 10 \log(P)$ dB. This calculated to be -25dBm.

2.5.2. Test Description



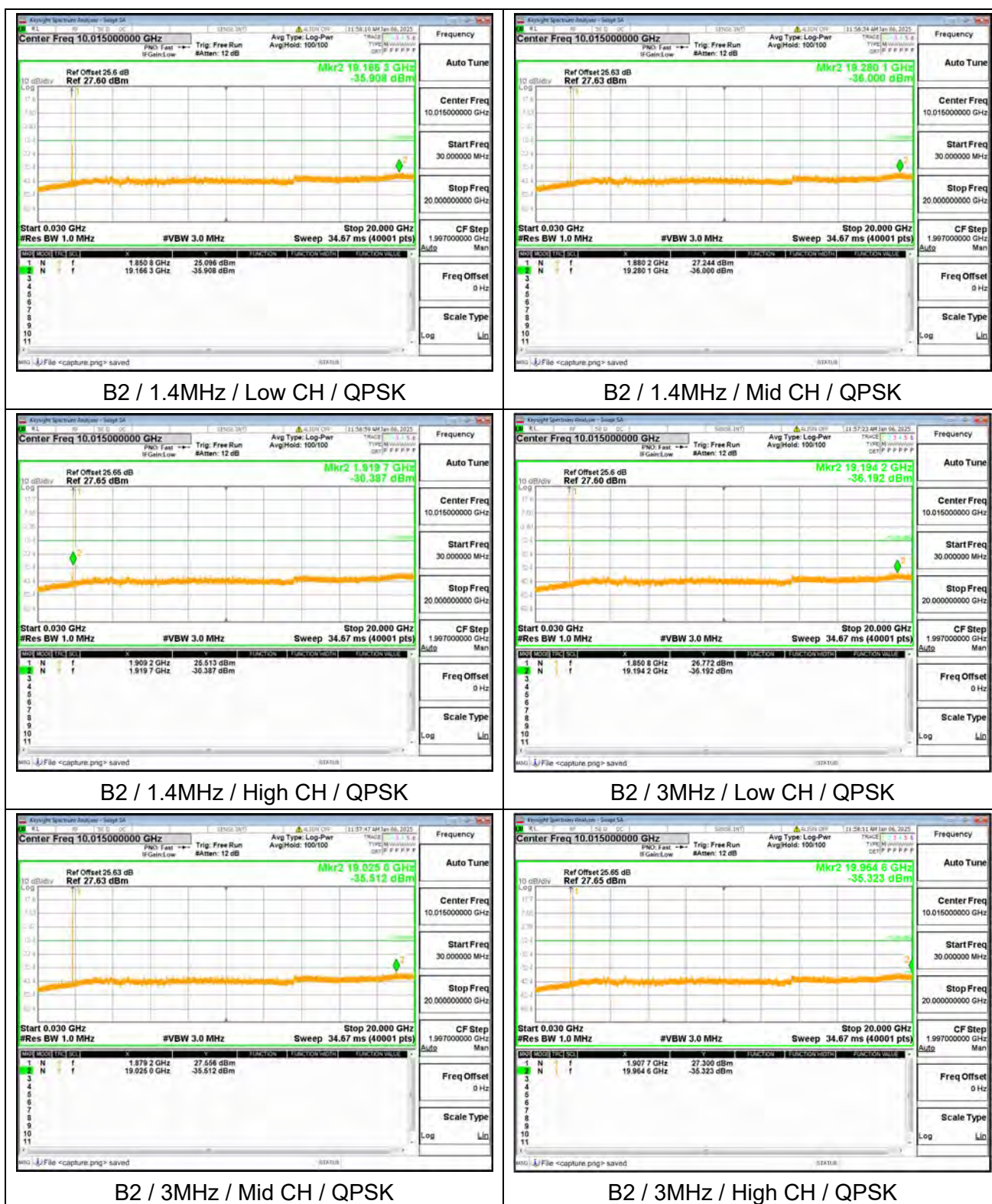
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

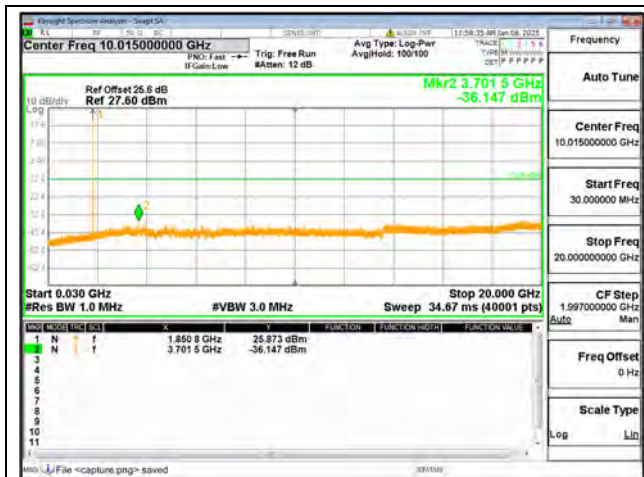
2.5.3. Test Procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.



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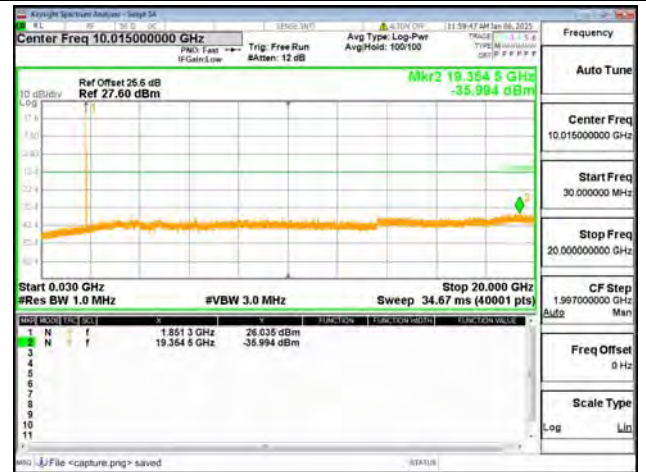
B2 / 5MHz / Low CH / QPSK



B2 / 5MHz / Mid CH / QPSK



B2 / 5MHz / High CH / QPSK



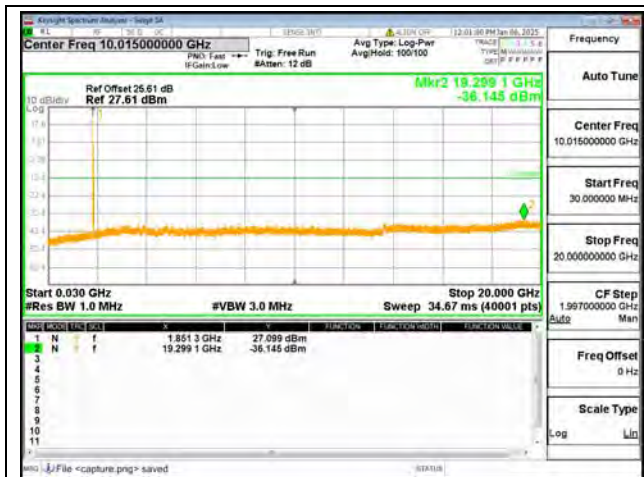
B2 / 10MHz / Low CH / QPSK



B2 / 10MHz / Mid CH / QPSK



B2 / 10MHz / High CH / QPSK



B2 / 15MHz / Low CH / QPSK



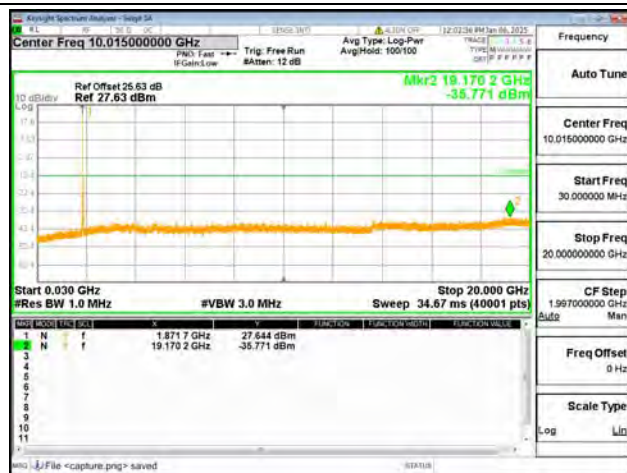
B2 / 15MHz / Mid CH / QPSK



B2 / 15MHz / High CH / QPSK



B2 / 20MHz / Low CH / QPSK



B2 / 20MHz / Mid CH / QPSK



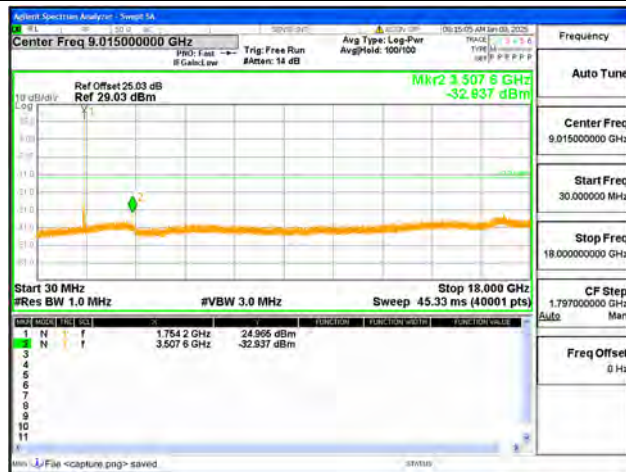
B2 / 20MHz / High CH / QPSK



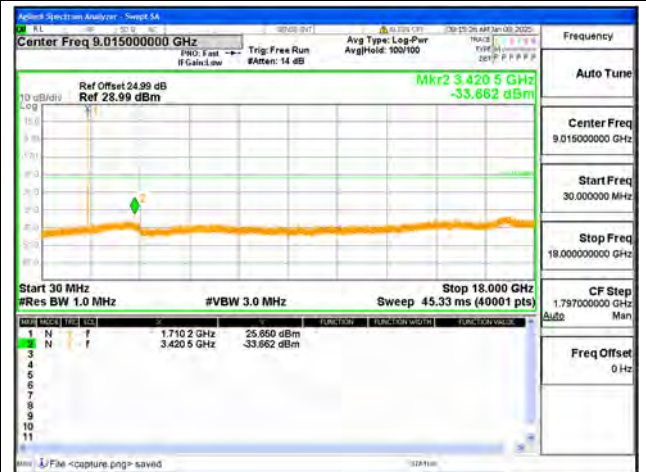
B4 / 1.4MHz / Low CH / QPSK



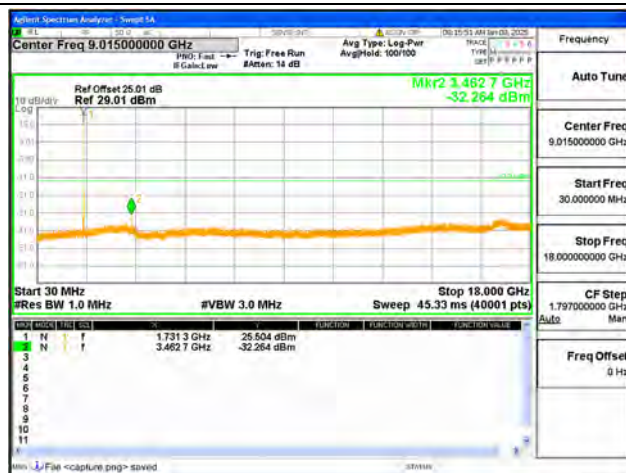
B4 / 1.4MHz / Mid CH / QPSK



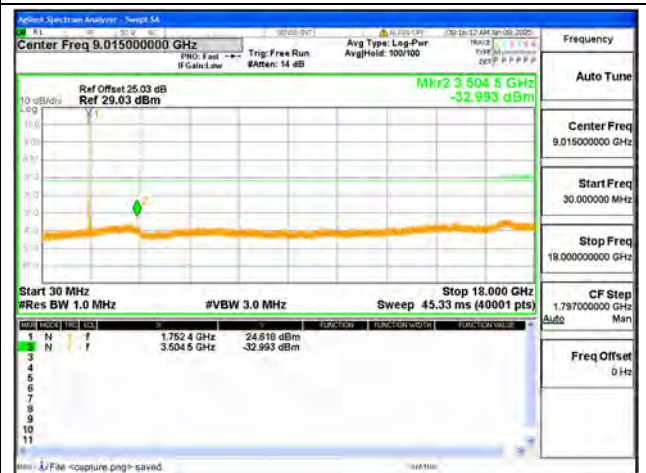
B4 / 1.4MHz / High CH / QPSK



B4 / 3MHz / Low CH / QPSK



B4 / 3MHz / Mid CH / QPSK



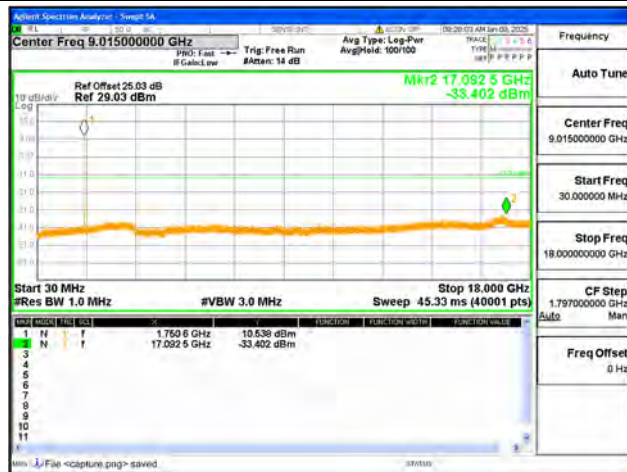
B4 / 3MHz / High CH / QPSK



B4 / 5MHz / Low CH / QPSK



B4 / 5MHz / Mid CH / QPSK



B4 / 5MHz / High CH / QPSK



B4 / 10MHz / Low CH / QPSK



B4 / 10MHz / Mid CH / QPSK



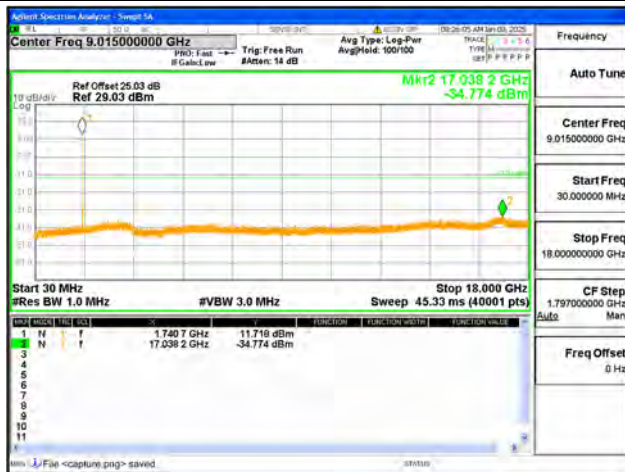
B4 / 10MHz / High CH / QPSK



B4 / 15MHz / Low CH / QPSK



B4 / 15MHz / Mid CH / QPSK



B4 / 15MHz / High CH / QPSK



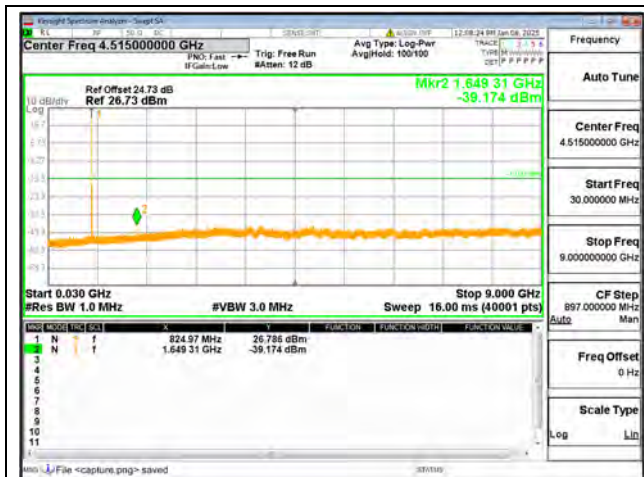
B4 / 20MHz / Low CH / QPSK



B4 / 20MHz / Mid CH / QPSK



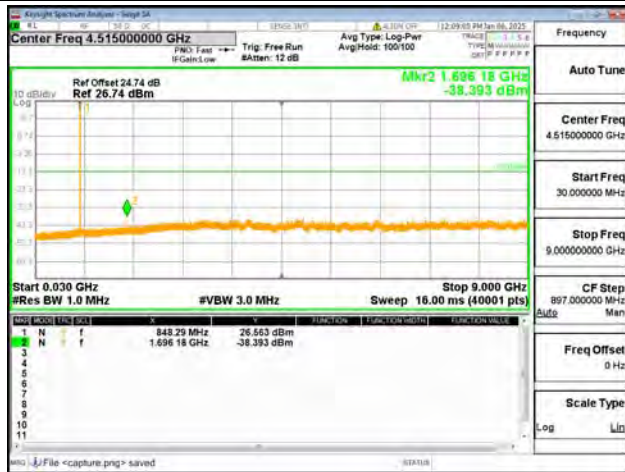
B4 / 20MHz / High CH / QPSK



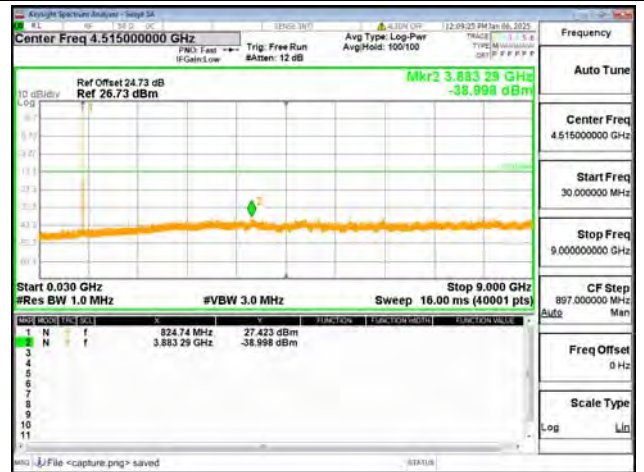
B5 / 1.4MHz / Low CH / QPSK



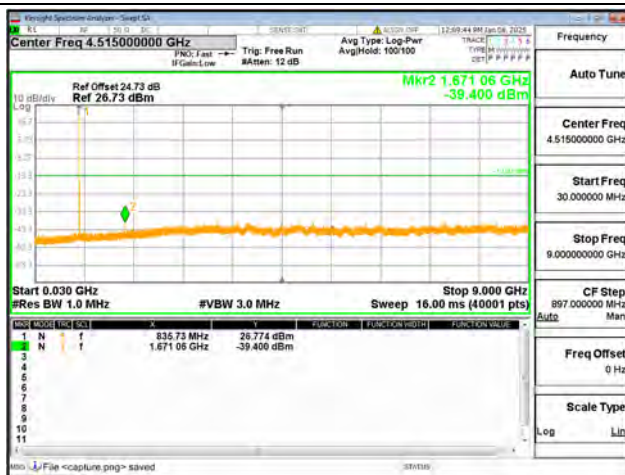
B5 / 1.4MHz / Mid CH / QPSK



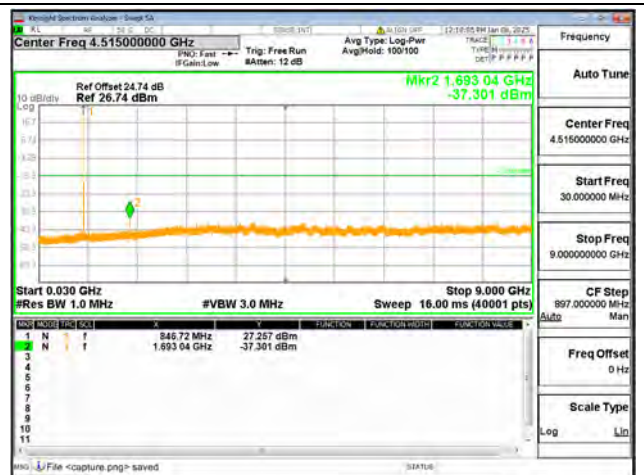
B5 / 1.4MHz / High CH / QPSK



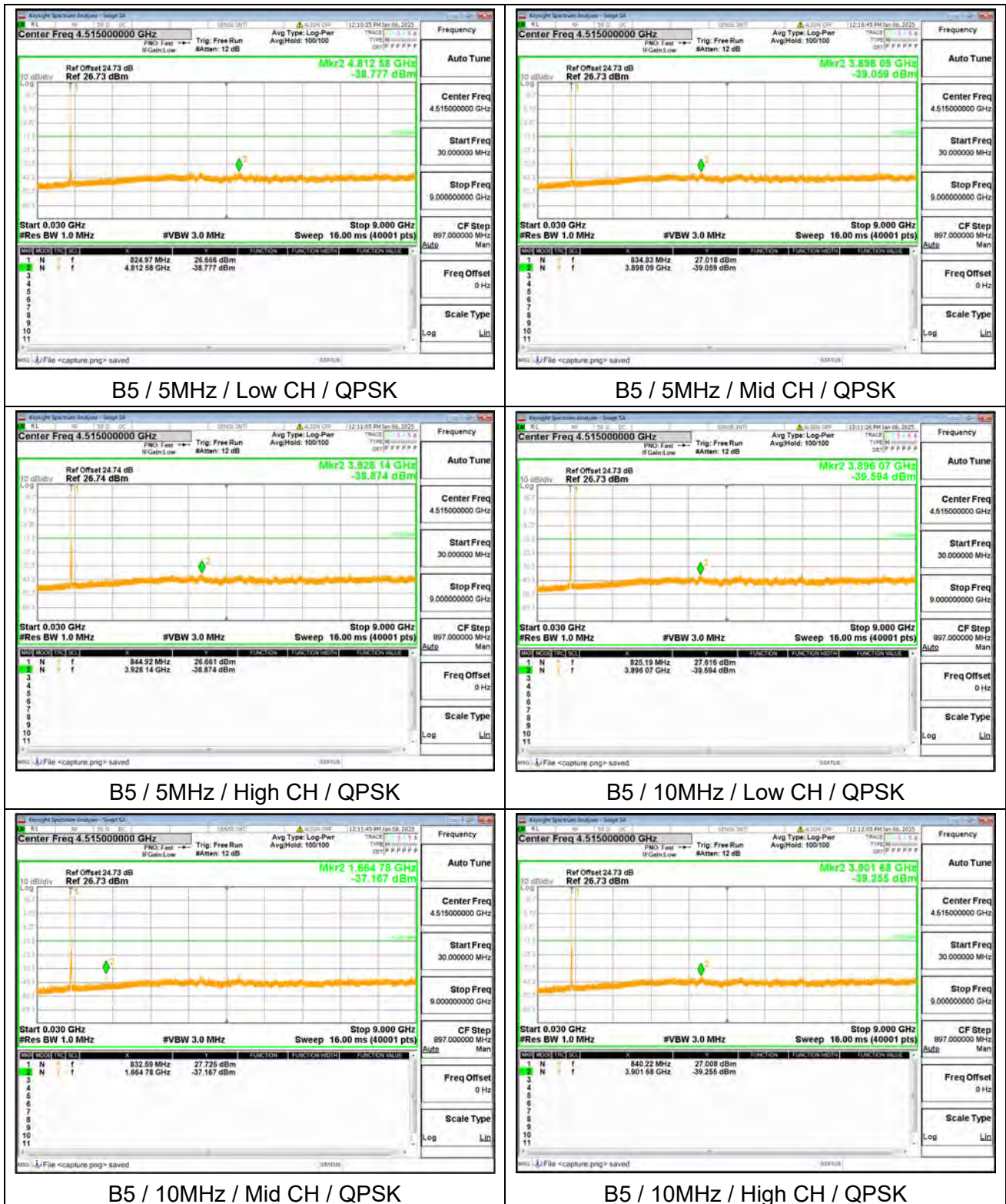
B5 / 3MHz / Low CH / QPSK

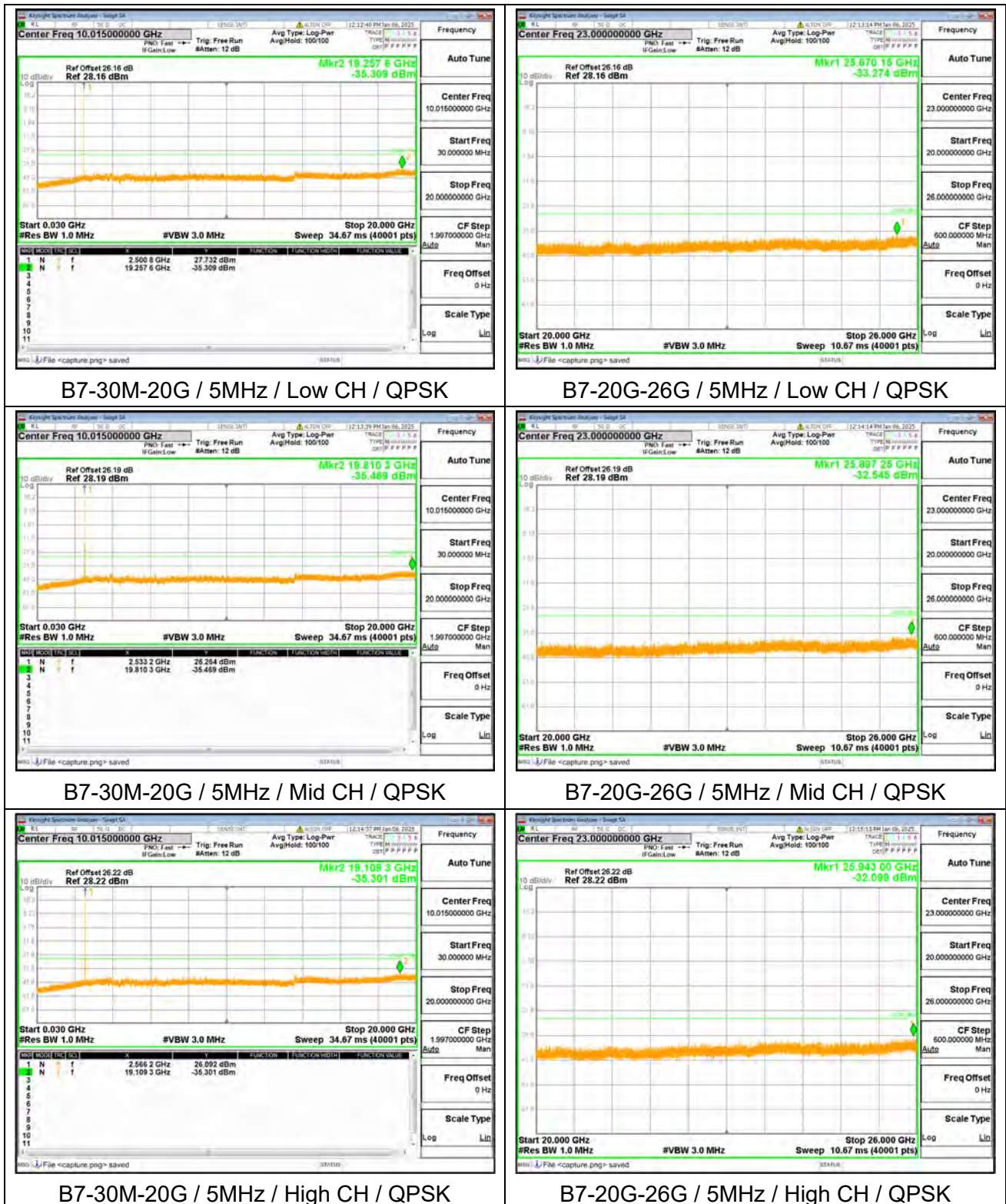


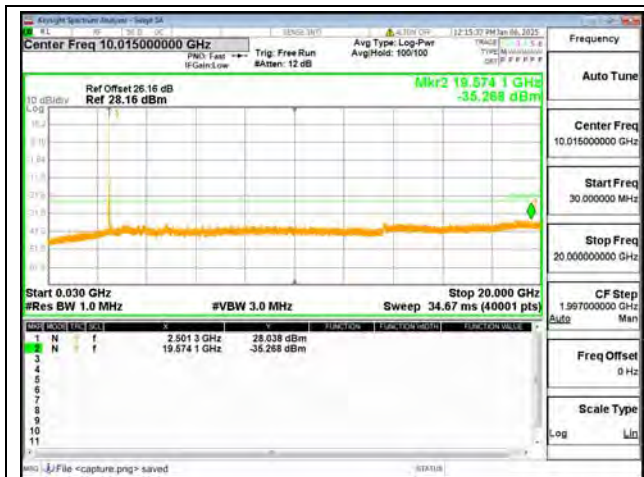
B5 / 3MHz / Mid CH / QPSK



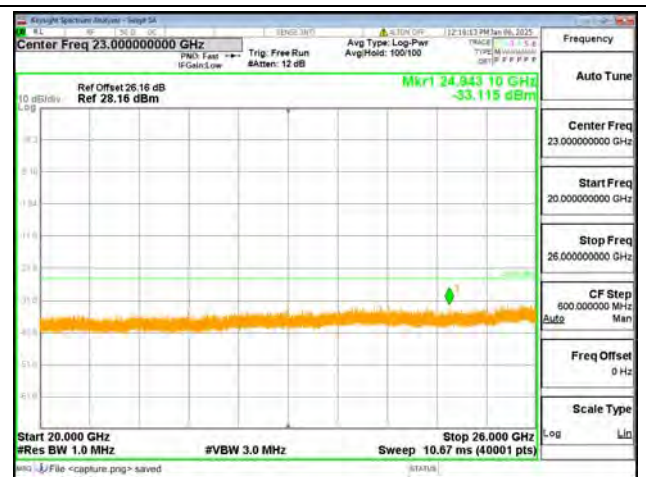
B5 / 3MHz / High CH / QPSK



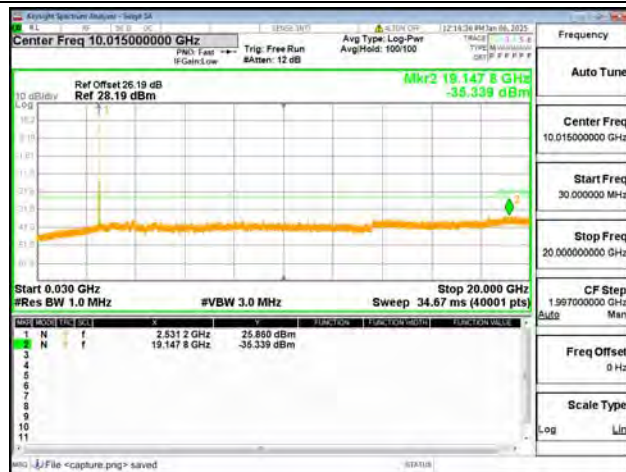




B7-30M-20G / 10MHz / Low CH / QPSK



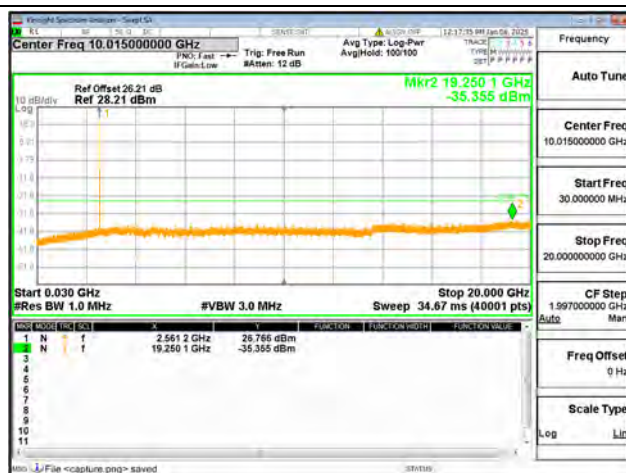
B7-20G-26G / 10MHz / Low CH / QPSK



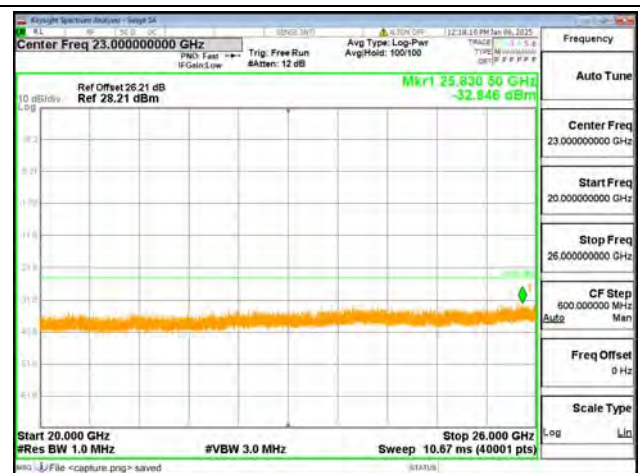
B7-30M-20G / 10MHz / Mid CH / QPSK



B7-20G-26G / 10MHz / Mid CH / QPSK



B7-30M-20G / 10MHz / High CH / QPSK



B7-20G-26G / 10MHz / High CH / QPSK