

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 22
47 CFR FCC Part 24
47 CFR FCC Part 27
47 CFR FCC Part 90
47 CFR FCC Part 2

Report No.: RFBFJZ-WTW-P22110126-7

FCC ID: V65E7200

Product: Smartphone

Brand: Kyocera

Model No.: E7200

Received Date: 2022/12/7

Test Date: 2022/12/19 ~ 2023/3/15

Issued Date: 2023/4/11

Applicant: Kyocera Corporation % Kyocera International, Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 788550 / TW0003

Designation Number:

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FCC Registration / 281270 / TW0032

Designation Number:

Approved by: Jeremy Lin, **Date:** 2023/4/11
Jeremy Lin / Project Engineer

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Prepared by : Celine Chou / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBFJZ-WTW-P22110126-7	Original release.	2023/4/11

1 Certificate

Product: Smartphone

Brand: Kyocera

Test Model: E7200

Sample Status: Identical prototype

Applicant: Kyocera Corporation % Kyocera International, Inc.

Test Date: 2022/12/19 ~ 2023/3/15

Standard: 47 CFR FCC Part 22
47 CFR FCC Part 24
47 CFR FCC Part 27
47 CFR FCC Part 90
47 CFR FCC Part 2

Measurement procedure: ANSI/TIA/EIA-603-E 2016
ANSI C63.26-2015
KDB 971168 D01 Power Meas License Digital Systems v03r01
KDB 971168 D02 Misc Rev Approv License Devices v02r01

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

47 CFR FCC Part 22 47 CFR FCC Part 24 47 CFR FCC Part 27 47 CFR FCC Part 90 47 CFR FCC Part 2			
Standard / Clause	Test Item	Result	Remark
FCC 47 CFR Part 2.1046 FCC 47 CFR Part 22.913 (a) FCC 47 CFR Part 24.232 (c) FCC 47 CFR Part 27.50(d) FCC 47 CFR Part 27.50(h) FCC 47 CFR Part 27.50(c) FCC 47 CFR Part 27.50(b) FCC 47 CFR Part 27.50(a) FCC 47 CFR Part 90.542(a)(7)	Effective Radiated Power and Equivalent Isotropically Radiated Power	Pass	Meet the requirement of limit.
FCC 47 CFR Part 2.1047	Modulation Characteristics	Pass	Meet the requirement of limit.
FCC 47 CFR Part 22.913 (d) FCC 47 CFR Part 24.232 (d) FCC 47 CFR Part 27.50(d)	Peak to Average Ratio	Pass	Meet the requirement of limit.
FCC 47 CFR Part 2.1049	Bandwidth	Pass	Meet the requirement of limit.
FCC 47 CFR Part 2.1051 FCC 47 CFR Part 22.917 FCC 47 CFR Part 24.238 FCC 47 CFR Part 27.53(h) FCC 47 CFR Part 27.53(m) FCC 47 CFR Part 27.53(g) FCC 47 CFR Part 27.53(c)(f) FCC 47 CFR Part 27.53(a) FCC 47 CFR Part 90.543(e)(f)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.

47 CFR FCC Part 22
 47 CFR FCC Part 24
 47 CFR FCC Part 27
 47 CFR FCC Part 90
 47 CFR FCC Part 2

Standard / Clause	Test Item	Result	Remark
FCC 47 CFR Part 2.1053 FCC 47 CFR Part 22.917 FCC 47 CFR Part 24.238 FCC 47 CFR Part 27.53(h) FCC 47 CFR Part 27.53(m) FCC 47 CFR Part 27.53(g) FCC 47 CFR Part 27.53(c)(f) FCC 47 CFR Part 27.53(a) FCC 47 CFR Part 90.543(e)(f)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -3.10 dB at 182.29 MHz
FCC 47 CFR Part 2.1053 FCC 47 CFR Part 22.917 FCC 47 CFR Part 24.238 FCC 47 CFR Part 27.53(h) FCC 47 CFR Part 27.53(m) FCC 47 CFR Part 27.53(g) FCC 47 CFR Part 27.53(c)(f) FCC 47 CFR Part 27.53(a) FCC 47 CFR Part 90.543(e)(f)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -8.38 dB at 4625.00 MHz
FCC 47 CFR Part 2.1055 FCC 47 CFR Part 22.355 FCC 47 CFR Part 24.235 FCC 47 CFR Part 27.54 FCC 47 CFR Part 90.539(e)	Frequency Stability	Pass	Meet the requirement of limit.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Specification	Expanded Uncertainty (k=2) (±)
Radiated Spurious Emissions below 1GHz	9 kHz ~ 30 MHz	3.00 dB
	30 MHz ~ 1 GHz	2.93 dB
Radiated Spurious Emissions above 1GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Smartphone
Brand	Kyocera
Test Model	E7200
Status of EUT	Identical prototype
Power Supply Rating	20Vdc or 15Vdc or 9Vdc or 5Vdc (From adapter) 3.87Vdc (From battery)

Note:

1. EUT Overview

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power
WCDMA Band 2	1852.4-1907.6	199.986mW (23.01dBm)
WCDMA Band 4	1712.4-1752.6	224.905mW (23.52dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. ERP Power
WCDMA Band 5	826.4-846.6	72.611mW (18.61dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power			
		QPSK	16QAM	64QAM	256QAM
LTE Band 2 (Channel Bandwidth 1.4MHz)	1850.7-1909.3	225.944mW (23.54dBm)	179.061mW (22.53dBm)	139.637mW (21.45dBm)	69.823mW (18.44dBm)
LTE Band 2 (Channel Bandwidth 3MHz)	1851.5-1908.5	224.388mW (23.51dBm)	181.970mW (22.60dBm)	140.605mW (21.48dBm)	69.984mW (18.45dBm)
LTE Band 2 (Channel Bandwidth 5MHz)	1852.5-1907.5	222.844mW (23.48dBm)	180.717mW (22.57dBm)	140.605mW (21.48dBm)	68.391mW (18.35dBm)
LTE Band 2 (Channel Bandwidth 10MHz)	1855.0-1905.0	225.944mW (23.54dBm)	179.061mW (22.53dBm)	141.579mW (21.51dBm)	69.343mW (18.41dBm)
LTE Band 2 (Channel Bandwidth 15MHz)	1857.5-1902.5	226.464mW (23.55dBm)	181.134mW (22.58dBm)	142.561mW (21.54dBm)	68.549mW (18.36dBm)
LTE Band 2 (Channel Bandwidth 20MHz)	1860.0-1900.0	227.510mW (23.57dBm)	183.231mW (22.63dBm)	142.889mW (21.55dBm)	69.984mW (18.45dBm)
LTE Band 4 (Channel Bandwidth 1.4MHz)	1710.7-1754.3	205.589mW (23.13dBm)	159.956mW (22.04dBm)	127.350mW (21.05dBm)	65.313mW (18.15dBm)
LTE Band 4 (Channel Bandwidth 3MHz)	1711.5-1753.5	207.014mW (23.16dBm)	156.315mW (21.94dBm)	127.057mW (21.04dBm)	65.313mW (18.15dBm)
LTE Band 4 (Channel Bandwidth 5MHz)	1712.5-1752.5	208.449mW (23.19dBm)	158.855mW (22.01dBm)	126.765mW (21.03dBm)	66.069mW (18.20dBm)
LTE Band 4 (Channel Bandwidth 10MHz)	1715.0-1750.0	208.449mW (23.19dBm)	158.125mW (21.99dBm)	126.765mW (21.03dBm)	66.069mW (18.20dBm)
LTE Band 4 (Channel Bandwidth 15MHz)	1717.5-1747.5	207.014mW (23.16dBm)	156.315mW (21.94dBm)	127.644mW (21.06dBm)	65.917mW (18.19dBm)
LTE Band 4 (Channel Bandwidth 20MHz)	1720.0-1745.0	209.894mW (23.22dBm)	159.221mW (22.02dBm)	129.420mW (21.12dBm)	66.069mW (18.20dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power			
		QPSK	16QAM	64QAM	256QAM
LTE Band 7 (Channel Bandwidth 5MHz)	2502.5-2567.5	124.738mW (20.96dBm)	98.855mW (19.95dBm)	78.163mW (18.93dBm)	39.264mW (15.94dBm)
LTE Band 7 (Channel Bandwidth 10MHz)	2505.0-2565.0	123.595mW (20.92dBm)	98.175mW (19.92dBm)	78.524mW (18.95dBm)	39.446mW (15.96dBm)
LTE Band 7 (Channel Bandwidth 15MHz)	2507.5-2562.5	123.027mW (20.90dBm)	97.275mW (19.88dBm)	77.804mW (18.91dBm)	38.994mW (15.91dBm)
LTE Band 7 (Channel Bandwidth 20MHz)	2510.0-2560.0	125.026mW (20.97dBm)	98.855mW (19.95dBm)	78.705mW (18.96dBm)	39.537mW (15.97dBm)
LTE Band 25 (Channel Bandwidth 1.4MHz)	1850.7-1914.3	220.293mW (23.43dBm)	181.134mW (22.58dBm)	143.219mW (21.56dBm)	72.111mW (18.58dBm)
LTE Band 25 (Channel Bandwidth 3MHz)	1851.5-1913.5	217.270mW (23.37dBm)	180.302mW (22.56dBm)	144.212mW (21.59dBm)	72.946mW (18.63dBm)
LTE Band 25 (Channel Bandwidth 5MHz)	1852.5-1912.5	216.770mW (23.36dBm)	180.302mW (22.56dBm)	143.219mW (21.56dBm)	71.614mW (18.55dBm)
LTE Band 25 (Channel Bandwidth 10MHz)	1855.0-1910.0	219.280mW (23.41dBm)	184.502mW (22.66dBm)	145.211mW (21.62dBm)	72.778mW (18.62dBm)
LTE Band 25 (Channel Bandwidth 15MHz)	1857.5-1907.5	219.280mW (23.41dBm)	181.970mW (22.60dBm)	145.211mW (21.62dBm)	71.779mW (18.56dBm)
LTE Band 25 (Channel Bandwidth 20MHz)	1860.0-1905.0	221.820mW (23.46dBm)	184.502mW (22.66dBm)	145.546mW (21.63dBm)	73.282mW (18.65dBm)
LTE Band 30 (Channel Bandwidth 5MHz)	2307.5-2312.5	107.152mW (20.30dBm)	88.105mW (19.45dBm)	69.823mW (18.44dBm)	34.594mW (15.39dBm)
LTE Band 30 (Channel Bandwidth 10MHz)	2310.0	110.408mW (20.43dBm)	88.308mW (19.46dBm)	69.663mW (18.43dBm)	34.435mW (15.37dBm)
LTE Band 41 (Channel Bandwidth 5MHz)	2498.5-2687.5	230.144mW (23.62dBm)	182.810mW (22.62dBm)	150.661mW (21.78dBm)	73.790mW (18.68dBm)
LTE Band 41 (Channel Bandwidth 10MHz)	2501.0-2685.0	231.206mW (23.64dBm)	181.134mW (22.58dBm)	151.705mW (21.81dBm)	73.451mW (18.66dBm)
LTE Band 41 (Channel Bandwidth 15MHz)	2503.5-2682.5	226.464mW (23.55dBm)	184.077mW (22.65dBm)	151.356mW (21.80dBm)	74.131mW (18.70dBm)
LTE Band 41 (Channel Bandwidth 20MHz)	2506.0-2680.0	231.739mW (23.65dBm)	184.077mW (22.65dBm)	152.405mW (21.83dBm)	74.302mW (18.71dBm)
LTE Band 66 (Channel Bandwidth 1.4 MHz)	1710.7-1779.3	209.894mW (23.22dBm)	168.267mW (22.26dBm)	135.519mW (21.32dBm)	68.234mW (18.34dBm)
LTE Band 66 (Channel Bandwidth 3MHz)	1711.5-1778.5	213.304mW (23.29dBm)	169.824mW (22.30dBm)	133.352mW (21.25dBm)	67.764mW (18.31dBm)
LTE Band 66 (Channel Bandwidth 5MHz)	1712.5-1777.5	213.796mW (23.30dBm)	167.880mW (22.25dBm)	134.276mW (21.28dBm)	68.077mW (18.33dBm)
LTE Band 66 (Channel Bandwidth 10MHz)	1715.0-1775.0	211.349mW (23.25dBm)	166.725mW (22.22dBm)	133.352mW (21.25dBm)	69.024mW (18.39dBm)
LTE Band 66 (Channel Bandwidth 15MHz)	1717.5-1772.5	212.324mW (23.27dBm)	167.494mW (22.24dBm)	135.519mW (21.32dBm)	69.183mW (18.40dBm)
LTE Band 66 (Channel Bandwidth 20MHz)	1720.0-1770.0	214.289mW (23.31dBm)	170.216mW (22.31dBm)	135.519mW (21.32dBm)	69.183mW (18.40dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. ERP Power			
		QPSK	16QAM	64QAM	256QAM
LTE Band 5 (Channel Bandwidth 1.4MHz)	824.7-848.3	67.453mW (18.29dBm)	54.450mW (17.36dBm)	43.251mW (16.36dBm)	21.677mW (13.36dBm)
LTE Band 5 (Channel Bandwidth 3MHz)	825.5-847.5	68.391mW (18.35dBm)	54.075mW (17.33dBm)	43.351mW (16.37dBm)	21.528mW (13.33dBm)
LTE Band 5 (Channel Bandwidth 5MHz)	826.5-846.5	67.298mW (18.28dBm)	53.456mW (17.28dBm)	43.053mW (16.34dBm)	21.528mW (13.33dBm)
LTE Band 5 (Channel Bandwidth 10MHz)	829.0-844.0	68.865mW (18.38dBm)	54.576mW (17.37dBm)	43.853mW (16.42dBm)	21.727mW (13.37dBm)
LTE Band 12 (Channel Bandwidth 1.4MHz)	699.7-715.3	36.308mW (15.60dBm)	29.717mW (14.73dBm)	23.659mW (13.74dBm)	11.695mW (10.68dBm)
LTE Band 12 (Channel Bandwidth 3MHz)	700.5-714.5	36.308mW (15.60dBm)	29.309mW (14.67dBm)	23.768mW (13.76dBm)	11.614mW (10.65dBm)
LTE Band 12 (Channel Bandwidth 5MHz)	701.5-713.5	36.475mW (15.62dBm)	29.785mW (14.74dBm)	23.988mW (13.80dBm)	11.722mW (10.69dBm)
LTE Band 12 (Channel Bandwidth 10MHz)	704.0-711.0	36.644mW (15.64dBm)	29.923mW (14.76dBm)	24.044mW (13.81dBm)	11.830mW (10.73dBm)
LTE Band 13 (Channel Bandwidth 5MHz)	779.5-784.5	70.146mW (18.46dBm)	57.677mW (17.61dBm)	45.186mW (16.55dBm)	22.233mW (13.47dBm)
LTE Band 13 (Channel Bandwidth 10MHz)	782.0	70.795mW (18.50dBm)	57.677mW (17.61dBm)	45.604mW (16.59dBm)	22.336mW (13.49dBm)
LTE Band 14 (Channel Bandwidth 5MHz)	790.5-795.5	69.024mW (18.39dBm)	57.677mW (17.61dBm)	44.157mW (16.45dBm)	22.803mW (13.58dBm)
LTE Band 14 (Channel Bandwidth 10MHz)	793	70.146mW (18.46dBm)	57.810mW (17.62dBm)	44.259mW (16.46dBm)	22.803mW (13.58dBm)
LTE Band 17 (Channel Bandwidth 5MHz)	706.5-713.5	36.983mW (15.68dBm)	30.130mW (14.79dBm)	23.281mW (13.67dBm)	11.749mW (10.70dBm)
LTE Band 17 (Channel Bandwidth 10MHz)	709.0-711.0	37.670mW (15.76dBm)	30.130mW (14.79dBm)	23.659mW (13.74dBm)	11.940mW (10.77dBm)
LTE Band 71 (Channel Bandwidth 5MHz)	665.5-695.5	33.884mW (15.30dBm)	28.119mW (14.49dBm)	21.727mW (13.37dBm)	11.143mW (10.47dBm)
LTE Band 71 (Channel Bandwidth 10MHz)	668.0-693.0	34.198mW (15.34dBm)	27.797mW (14.44dBm)	21.677mW (13.36dBm)	11.066mW (10.44dBm)
LTE Band 71 (Channel Bandwidth 15MHz)	670.5-690.5	33.884mW (15.30dBm)	27.990mW (14.47dBm)	21.677mW (13.36dBm)	11.272mW (10.52dBm)
LTE Band 71 (Channel Bandwidth 20MHz)	673.0-688.0	34.594mW (15.39dBm)	28.119mW (14.49dBm)	21.878mW (13.40dBm)	11.298mW (10.53dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Emission Designator
WCDMA Band 2	1852.4-1907.6	4M16F9W
WCDMA Band 4	1712.4-1752.6	4M16F9W
WCDMA Band 5	826.4-846.6	4M16F9W

Band / Bandwidth	TX Frequency Range (MHz)	Emission Designator			
		QPSK	16QAM	64QAM	256QAM
LTE Band 2 (Channel Bandwidth 1.4MHz)	1850.7-1909.3	1M09G7D	1M09D7W	1M09D7W	1M09D7W
LTE Band 2 (Channel Bandwidth 3MHz)	1851.5-1908.5	2M70G7D	2M70D7W	2M70D7W	2M70D7W
LTE Band 2 (Channel Bandwidth 5MHz)	1852.5-1907.5	4M50G7D	4M50D7W	4M50D7W	4M50D7W
LTE Band 2 (Channel Bandwidth 10MHz)	1855.0-1905.0	8M98G7D	8M99D7W	8M99D7W	8M98D7W
LTE Band 2 (Channel Bandwidth 15MHz)	1857.5-1902.5	13M5G7D	13M5D7W	13M5D7W	13M5D7W
LTE Band 2 (Channel Bandwidth 20MHz)	1860.0-1900.0	18M0G7D	18M0D7W	18M0D7W	18M0D7W
LTE Band 4 (Channel Bandwidth 1.4MHz)	1710.7-1754.3	1M09G7D	1M09D7W	1M09D7W	1M09D7W
LTE Band 4 (Channel Bandwidth 3MHz)	1711.5-1753.5	2M70G7D	2M70D7W	2M70D7W	2M70D7W
LTE Band 4 (Channel Bandwidth 5MHz)	1712.5-1752.5	4M50G7D	4M50D7W	4M50D7W	4M49D7W
LTE Band 4 (Channel Bandwidth 10MHz)	1715.0-1750.0	8M99G7D	8M98D7W	8M98D7W	8M98D7W
LTE Band 4 (Channel Bandwidth 15MHz)	1717.5-1747.5	13M5G7D	13M5D7W	13M5D7W	13M5D7W
LTE Band 4 (Channel Bandwidth 20MHz)	1720.0-1745.0	18M0G7D	18M0D7W	18M0D7W	18M0D7W
LTE Band 5 (Channel Bandwidth 1.4MHz)	824.7-848.3	1M09G7D	1M09D7W	1M09D7W	1M09D7W
LTE Band 5 (Channel Bandwidth 3MHz)	825.5-847.5	2M70G7D	2M70D7W	2M70D7W	2M70D7W
LTE Band 5 (Channel Bandwidth 5MHz)	826.5-846.5	4M49G7D	4M50D7W	4M50D7W	4M50D7W
LTE Band 5 (Channel Bandwidth 10MHz)	829.0-844.0	8M98G7D	8M97D7W	8M97D7W	8M97D7W
LTE Band 7 (Channel Bandwidth 5MHz)	2502.5-2567.5	4M50G7D	4M50D7W	4M50D7W	4M50D7W
LTE Band 7 (Channel Bandwidth 10MHz)	2505.0-2565.0	8M99G7D	8M99D7W	8M98D7W	8M98D7W
LTE Band 7 (Channel Bandwidth 15MHz)	2507.5-2562.5	13M5G7D	13M5D7W	13M5D7W	13M5D7W
LTE Band 7 (Channel Bandwidth 20MHz)	2510.0-2560.0	18M0G7D	18M0D7W	18M0D7W	18M0D7W
LTE Band 12 (Channel Bandwidth 1.4MHz)	699.7-715.3	1M09G7D	1M09D7W	1M09D7W	1M09D7W
LTE Band 12 (Channel Bandwidth 3MHz)	700.5-714.5	2M70G7D	2M70D7W	2M70D7W	2M70D7W
LTE Band 12 (Channel Bandwidth 5MHz)	701.5-713.5	4M49G7D	4M50D7W	4M50D7W	4M50D7W
LTE Band 12 (Channel Bandwidth 10MHz)	704.0-711.0	8M97G7D	8M97D7W	8M97D7W	8M97D7W
LTE Band 13 (Channel Bandwidth 5MHz)	779.5-784.5	4M50G7D	4M50D7W	4M50D7W	4M50D7W
LTE Band 13 (Channel Bandwidth 10MHz)	782.0	8M95G7D	8M96D7W	8M95D7W	8M95D7W
LTE Band 14 (Channel Bandwidth 5MHz)	790.5-795.5	4M50G7D	4M50D7W	4M50D7W	4M50D7W
LTE Band 14 (Channel Bandwidth 10MHz)	793	8M97G7D	8M97D7W	8M97D7W	8M98D7W
LTE Band 17 (Channel Bandwidth 5MHz)	706.5-713.5	4M50G7D	4M50D7W	4M50D7W	4M49D7W
LTE Band 17 (Channel Bandwidth 10MHz)	709.0-711.0	8M97G7D	8M96D7W	8M96D7W	8M97D7W
LTE Band 25 (Channel Bandwidth 1.4MHz)	1850.7-1914.3	1M09G7D	1M09D7W	1M09D7W	1M09D7W
LTE Band 25 (Channel Bandwidth 3MHz)	1851.5-1913.5	2M70G7D	2M70D7W	2M70D7W	2M70D7W
LTE Band 25 (Channel Bandwidth 5MHz)	1852.5-1912.5	4M50G7D	4M50D7W	4M50D7W	4M50D7W
LTE Band 25 (Channel Bandwidth 10MHz)	1855.0-1910.0	8M99G7D	8M98D7W	8M99D7W	8M99D7W
LTE Band 25 (Channel Bandwidth 15MHz)	1857.5-1907.5	13M5G7D	13M5D7W	13M5D7W	13M5D7W
LTE Band 25 (Channel Bandwidth 20MHz)	1860.0-1905.0	18M0G7D	18M0D7W	18M0D7W	18M0D7W
LTE Band 30 (Channel Bandwidth 5MHz)	2307.5-2312.5	4M50G7D	4M50D7W	4M50D7W	4M50D7W
LTE Band 30 (Channel Bandwidth 10MHz)	2310.0	8M99G7D	8M99D7W	8M98D7W	8M99D7W

Band / Bandwidth	TX Frequency Range (MHz)	Emission Designator			
		QPSK	16QAM	64QAM	256QAM
LTE Band 41 (Channel Bandwidth 5MHz)	2498.5-2687.5	4M49G7D	4M50D7W	4M50D7W	4M50D7W
LTE Band 41 (Channel Bandwidth 10MHz)	2501.0-2685.0	8M98G7D	8M98D7W	8M98D7W	8M98D7W
LTE Band 41 (Channel Bandwidth 15MHz)	2503.5-2682.5	13M5G7D	13M5D7W	13M5D7W	13M5D7W
LTE Band 41 (Channel Bandwidth 20MHz)	2506.0-2680.0	18M0G7D	18M0D7W	18M0D7W	18M0D7W
LTE Band 66 (Channel Bandwidth 1.4MHz)	1710.7-1779.3	1M09G7D	1M09D7W	1M09D7W	1M09D7W
LTE Band 66 (Channel Bandwidth 3MHz)	1711.5-1778.5	2M70G7D	2M70D7W	2M71D7W	2M70D7W
LTE Band 66 (Channel Bandwidth 5MHz)	1712.5-1777.5	4M49G7D	4M50D7W	4M49D7W	4M50D7W
LTE Band 66 (Channel Bandwidth 10MHz)	1715.0-1775.0	8M98G7D	8M99D7W	8M99D7W	8M98D7W
LTE Band 66 (Channel Bandwidth 15MHz)	1717.5-1772.5	13M5G7D	13M5D7W	13M5D7W	13M5D7W
LTE Band 66 (Channel Bandwidth 20MHz)	1720.0-1770.0	18M0G7D	18M0D7W	18M0D7W	18M0D7W
LTE Band 71 (Channel Bandwidth 5MHz)	665.5-695.5	4M49G7D	4M49D7W	4M50D7W	4M50D7W
LTE Band 71 (Channel Bandwidth 10MHz)	668.0-693.0	8M97G7D	8M96D7W	8M96D7W	8M97D7W
LTE Band 71 (Channel Bandwidth 15MHz)	670.5-690.5	13M5G7D	13M5D7W	13M5D7W	13M5D7W
LTE Band 71 (Channel Bandwidth 20MHz)	673.0-688.0	17M9G7D	17M9D7W	17M9D7W	17M9D7W

2. The EUT uses following accessories.

Battery		
Brand	Model	Specification
Kyocera	SCP-76LBPS	Power Rating : 3.87Vdc, typ 4270mAh, typ. 16.6Wh
USB Type A to USB type C cable		
Brand	Model	Specification
Kyocera	SCP-24 SDC	Signal Line : 1m shielded Type A to Type C USB

3. The EUT uses following support unit only.

Adapter (Support unit)		
Brand	Model	Specification
Kyocera	SCP-53ADT	AC Input: 100-240 Vac, 50/60 Hz, 0.6A DC Output: 5Vdc, 3A; 9Vdc, 3A; 15Vdc 1.8A; 20Vdc, 1.35A

4. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Type		Monopole	
Antenna Connector		NA	
Item	Antenna No.	Band	Gain (dBi)
LTE	ANT0	Band 2	-0.7
		Band 4	-0.1
		Band 5	-2.8
		Band 7	-2.5
		Band 12	-5.5
		Band 13	-2.6
		Band 14	-2.6
		Band 17	-5.5
		Band 25	-0.7
		Band 30	-1.4
		Band 41	0.5
		Band 66	-0.1
		Band 71	-6.2
	ANT1	Band 2	0.1
		Band 4	-0.5
		Band 25	0.2
		Band 41	-1.5
		Band 48	-2.0
WCDMA	ANT0	Band 66	0.0
		Band 2	-0.7
		Band 4	-0.1
		Band 5	-2.8

* The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	X-axis/ Y-axis/ Z-axis Worst Condition: Z-axis

For WCDMA Band 2

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	9262 (1852.40 MHz) 9400 (1880.00 MHz) 9538 (1907.60 MHz)	-	-	WCDMA HSDPA HSUPA
Modulation Characteristics	9400 (1880.00 MHz)	-	-	WCDMA HSDPA HSUPA
Frequency Stability	9262 (1852.40 MHz) 9538 (1907.60 MHz)	-	-	WCDMA
Occupied Bandwidth	9262 (1852.40 MHz) 9400 (1880.00 MHz) 9538 (1907.60 MHz)	-	-	WCDMA HSDPA HSUPA
Peak to Average Ratio	9262 (1852.40 MHz) 9400 (1880.00 MHz) 9538 (1907.60 MHz)	-	-	WCDMA HSDPA HSUPA
Conducted Emission	9262 (1852.40 MHz) 9400 (1880.00 MHz) 9538 (1907.60 MHz)	-	-	WCDMA HSDPA HSUPA
RE Below 1GHz	9400 (1880.00 MHz)	-	-	WCDMA
RE Above 1GHz	9262 (1852.40 MHz) 9400 (1880.00 MHz) 9538 (1907.60 MHz)	-	-	WCDMA

For WCDMA Band 4

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	1312 (1712.40 MHz) 1413 (1732.60 MHz) 1513 (1752.60 MHz)	-	-	WCDMA HSDPA HSUPA
Modulation Characteristics	1413 (1732.60 MHz)	-	-	WCDMA HSDPA HSUPA
Frequency Stability	1312 (1712.40 MHz) 1513 (1752.60 MHz)	-	-	WCDMA
Occupied Bandwidth	1312 (1712.40 MHz) 1413 (1732.60 MHz) 1513 (1752.60 MHz)	-	-	WCDMA HSDPA HSUPA
Peak to Average Ratio	1312 (1712.40 MHz) 1413 (1732.60 MHz) 1513 (1752.60 MHz)	-	-	WCDMA HSDPA HSUPA
Conducted Emission	1312 (1712.40 MHz) 1413 (1732.60 MHz) 1513 (1752.60 MHz)	-	-	WCDMA HSDPA HSUPA
RE Below 1GHz	1413 (1732.60 MHz)	-	-	WCDMA
RE Above 1GHz	1312 (1712.40 MHz) 1413 (1732.60 MHz) 1513 (1752.60 MHz)	-	-	WCDMA

For WCDMA Band 5

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
ERP	4132 (826.40 MHz) 4182 (836.40 MHz) 4233 (846.60 MHz)	-	-	WCDMA HSDPA HSUPA
Modulation Characteristics	4182 (836.40 MHz)	-	-	WCDMA HSDPA HSUPA
Frequency Stability	4132 (826.40 MHz) 4233 (846.60 MHz)	-	-	WCDMA
Occupied Bandwidth	4132 (826.40 MHz) 4182 (836.40 MHz) 4233 (846.60 MHz)	-	-	WCDMA HSDPA HSUPA
Peak to Average Ratio	4132 (826.40 MHz) 4182 (836.40 MHz) 4233 (846.60 MHz)	-	-	WCDMA HSDPA HSUPA
Conducted Emission	4132 (826.40 MHz) 4182 (836.40 MHz) 4233 (846.60 MHz)	-	-	WCDMA HSDPA HSUPA
RE Below 1GHz	4182 (836.40 MHz)	-	-	WCDMA
RE Above 1GHz	4132 (826.40 MHz) 4182 (836.40 MHz) 4233 (846.60 MHz)	-	-	WCDMA

For LTE Band 2

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	18607 (1850.70 MHz) 18900 (1880.00 MHz) 19193 (1909.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18615 (1851.50 MHz) 18900 (1880.00 MHz) 19185 (1908.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18625 (1852.50 MHz) 18900 (1880.00 MHz) 19175 (1907.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18650 (1855.00 MHz) 18900 (1880.00 MHz) 19150 (1905.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18675 (1857.50 MHz) 18900 (1880.00 MHz) 19125 (1902.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18700 (1860.00 MHz) 18900 (1880.00 MHz) 19100 (1900.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	18900 (1880.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	18607 (1850.70 MHz) 19193 (1909.30 MHz)	1.4 MHz	QPSK	Full RB
	18615 (1851.50 MHz) 19185 (1908.50 MHz)	3 MHz	QPSK	Full RB
	18625 (1852.50 MHz) 19175 (1907.50 MHz)	5 MHz	QPSK	Full RB
	18650 (1855.00 MHz) 19150 (1905.00 MHz)	10 MHz	QPSK	Full RB
	18675 (1857.50 MHz) 19125 (1902.50 MHz)	15 MHz	QPSK	Full RB
	18700 (1860.00 MHz) 19100 (1900.00 MHz)	20 MHz	QPSK	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Occupied Bandwidth	18607 (1850.70 MHz) 18900 (1880.00 MHz) 19193 (1909.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	18615 (1851.50 MHz) 18900 (1880.00 MHz) 19185 (1908.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	18625 (1852.50 MHz) 18900 (1880.00 MHz) 19175 (1907.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	18650 (1855.00 MHz) 18900 (1880.00 MHz) 19150 (1905.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	18675 (1857.50 MHz) 18900 (1880.00 MHz) 19125 (1902.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	18700 (1860.00 MHz) 18900 (1880.00 MHz) 19100 (1900.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	18607 (1850.70 MHz) 18900 (1880.00 MHz) 19193 (1909.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	18615 (1851.50 MHz) 18900 (1880.00 MHz) 19185 (1908.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	18625 (1852.50 MHz) 18900 (1880.00 MHz) 19175 (1907.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	18650 (1855.00 MHz) 18900 (1880.00 MHz) 19150 (1905.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	18675 (1857.50 MHz) 18900 (1880.00 MHz) 19125 (1902.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	18700 (1860.00 MHz) 18900 (1880.00 MHz) 19100 (1900.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	18607 (1850.70 MHz) 18900 (1880.00 MHz) 19193 (1909.30 MHz)	1.4 MHz	QPSK	1 RB Full RB
	18615 (1851.50 MHz) 18900 (1880.00 MHz) 19185 (1908.50 MHz)	3 MHz	QPSK	1 RB Full RB
	18625 (1852.50 MHz) 18900 (1880.00 MHz) 19175 (1907.50 MHz)	5 MHz	QPSK	1 RB Full RB
	18650 (1855.00 MHz) 18900 (1880.00 MHz) 19150 (1905.00 MHz)	10 MHz	QPSK	1 RB Full RB
	18675 (1857.50 MHz) 18900 (1880.00 MHz) 19125 (1902.50 MHz)	15 MHz	QPSK	1 RB Full RB
	18700 (1860.00 MHz) 18900 (1880.00 MHz) 19100 (1900.00 MHz)	20 MHz	QPSK	1 RB Full RB
RE Below 1GHz	18900 (1880.00 MHz)	20 MHz	QPSK	1 RB
RE Above 1GHz	18607 (1850.70 MHz) 18900 (1880.00 MHz) 19193 (1909.30 MHz)	1.4 MHz	QPSK	1 RB
	18625 (1852.50 MHz) 18900 (1880.00 MHz) 19175 (1907.50 MHz)	5 MHz	QPSK	1 RB
	18700 (1860.00 MHz) 18900 (1880.00 MHz) 19100 (1900.00 MHz)	20 MHz	QPSK	1 RB

For LTE Band 4

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	19957 (1710.70 MHz) 20175 (1732.50 MHz) 20393 (1754.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	19965 (1711.50 MHz) 20175 (1732.50 MHz) 20385 (1753.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	19975 (1712.50 MHz) 20175 (1732.50 MHz) 20375 (1752.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20000 (1715.00 MHz) 20175 (1732.50 MHz) 20350 (1750.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20025 (1717.50 MHz) 20175 (1732.50 MHz) 20325 (1747.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20050 (1720.00 MHz) 20175 (1732.50 MHz) 20300 (1745.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	20175 (1732.50 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	19957 (1710.70 MHz) 20393 (1754.30 MHz)	1.4 MHz	QPSK	Full RB
	19965 (1711.50 MHz) 20385 (1753.50 MHz)	3 MHz	QPSK	Full RB
	19975 (1712.50 MHz) 20375 (1752.50 MHz)	5 MHz	QPSK	Full RB
	20000 (1715.00 MHz) 20350 (1750.00 MHz)	10 MHz	QPSK	Full RB
	20025 (1717.50 MHz) 20325 (1747.50 MHz)	15 MHz	QPSK	Full RB
	20050 (1720.00 MHz) 20300 (1745.00 MHz)	20 MHz	QPSK	Full RB
Occupied Bandwidth	19957 (1710.70 MHz) 20175 (1732.50 MHz) 20393 (1754.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	19965 (1711.50 MHz) 20175 (1732.50 MHz) 20385 (1753.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	19975 (1712.50 MHz) 20175 (1732.50 MHz) 20375 (1752.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20000 (1715.00 MHz) 20175 (1732.50 MHz) 20350 (1750.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20025 (1717.50 MHz) 20175 (1732.50 MHz) 20325 (1747.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20050 (1720.00 MHz) 20175 (1732.50 MHz) 20300 (1745.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Peak to Average Ratio	19957 (1710.70 MHz) 20175 (1732.50 MHz) 20393 (1754.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	19965 (1711.50 MHz) 20175 (1732.50 MHz) 20385 (1753.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	19975 (1712.50 MHz) 20175 (1732.50 MHz) 20375 (1752.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20000 (1715.00 MHz) 20175 (1732.50 MHz) 20350 (1750.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20025 (1717.50 MHz) 20175 (1732.50 MHz) 20325 (1747.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20050 (1720.00 MHz) 20175 (1732.50 MHz) 20300 (1745.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Conducted Emission	19957 (1710.70 MHz) 20175 (1732.50 MHz) 20393 (1754.30 MHz)	1.4 MHz	QPSK	1 RB Full RB
	19965 (1711.50 MHz) 20175 (1732.50 MHz) 20385 (1753.50 MHz)	3 MHz	QPSK	1 RB Full RB
	19975 (1712.50 MHz) 20175 (1732.50 MHz) 20375 (1752.50 MHz)	5 MHz	QPSK	1 RB Full RB
	20000 (1715.00 MHz) 20175 (1732.50 MHz) 20350 (1750.00 MHz)	10 MHz	QPSK	1 RB Full RB
	20025 (1717.50 MHz) 20175 (1732.50 MHz) 20325 (1747.50 MHz)	15 MHz	QPSK	1 RB Full RB
	20050 (1720.00 MHz) 20175 (1732.50 MHz) 20300 (1745.00 MHz)	20 MHz	QPSK	1 RB Full RB
RE Below 1GHz	20393 (1754.30 MHz)	1.4 MHz	QPSK	1 RB
RE Above 1GHz	19957 (1710.70 MHz) 20175 (1732.50 MHz) 20393 (1754.30 MHz)	1.4 MHz	QPSK	1 RB
	19975 (1712.50 MHz) 20175 (1732.50 MHz) 20375 (1752.50 MHz)	5 MHz	QPSK	1 RB
	20050 (1720.00 MHz) 20175 (1732.50 MHz) 20300 (1745.00 MHz)	20 MHz	QPSK	1 RB

For LTE Band 5

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
ERP	20407 (824.70 MHz) 20525 (836.50 MHz) 20643 (848.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20415 (825.50 MHz) 20525 (836.50 MHz) 20635 (847.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20425 (826.50 MHz) 20525 (836.50 MHz) 20625 (846.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20450 (829.00 MHz) 20525 (836.50 MHz) 20600 (844.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	20525 (836.50 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	20407 (824.70 MHz) 20643 (848.30 MHz)	1.4 MHz	QPSK	Full RB
	20415 (825.50 MHz) 20635 (847.50 MHz)	3 MHz	QPSK	Full RB
	20425 (826.50 MHz) 20625 (846.50 MHz)	5 MHz	QPSK	Full RB
	20450 (829.00 MHz) 20600 (844.00 MHz)	10 MHz	QPSK	Full RB
Occupied Bandwidth	20407 (824.70 MHz) 20525 (836.50 MHz) 20643 (848.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20415 (825.50 MHz) 20525 (836.50 MHz) 20635 (847.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20425 (826.50 MHz) 20525 (836.50 MHz) 20625 (846.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20450 (829.00 MHz) 20525 (836.50 MHz) 20600 (844.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	20407 (824.70 MHz) 20525 (836.50 MHz) 20643 (848.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20415 (825.50 MHz) 20525 (836.50 MHz) 20635 (847.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20425 (826.50 MHz) 20525 (836.50 MHz) 20625 (846.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20450 (829.00 MHz) 20525 (836.50 MHz) 20600 (844.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	20407 (824.70 MHz) 20525 (836.50 MHz) 20643 (848.30 MHz)	1.4 MHz	QPSK	1 RB Full RB
	20415 (825.50 MHz) 20525 (836.50 MHz) 20635 (847.50 MHz)	3 MHz	QPSK	1 RB Full RB
	20425 (826.50 MHz) 20525 (836.50 MHz) 20625 (846.50 MHz)	5 MHz	QPSK	1 RB Full RB
	20450 (829.00 MHz) 20525 (836.50 MHz) 20600 (844.00 MHz)	10 MHz	QPSK	1 RB Full RB
RE Below 1GHz	20450 (829.00 MHz)	10 MHz	QPSK	1 RB
RE Above 1GHz	20407 (824.70 MHz) 20525 (836.50 MHz) 20643 (848.30 MHz)	1.4 MHz	QPSK	1 RB
	20425 (826.50 MHz) 20525 (836.50 MHz) 20625 (846.50 MHz)	5 MHz	QPSK	1 RB
	20450 (829.00 MHz) 20525 (836.50 MHz) 20600 (844.00 MHz)	10 MHz	QPSK	1 RB

For LTE Band 7

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	20775 (2502.50 MHz) 21100 (2535.00 MHz) 21425 (2567.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20800 (2505.00 MHz) 21100 (2535.00 MHz) 21400 (2565.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20825 (2507.50 MHz) 21100 (2535.00 MHz) 21375 (2562.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20850 (2510.00 MHz) 21100 (2535.00 MHz) 21350 (2560.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	21100 (2535.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	20775 (2502.50 MHz) 21425 (2567.50 MHz)	5 MHz	QPSK	Full RB
	20800 (2505.00 MHz) 21400 (2565.00 MHz)	10 MHz	QPSK	Full RB
	20825 (2507.50 MHz) 21375 (2562.50 MHz)	15 MHz	QPSK	Full RB
	20850 (2510.00 MHz) 21350 (2560.00 MHz)	20 MHz	QPSK	Full RB
Occupied Bandwidth	20775 (2502.50 MHz) 21100 (2535.00 MHz) 21425 (2567.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20800 (2505.00 MHz) 21100 (2535.00 MHz) 21400 (2565.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20825 (2507.50 MHz) 21100 (2535.00 MHz) 21375 (2562.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20850 (2510.00 MHz) 21100 (2535.00 MHz) 21350 (2560.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	20775 (2502.50 MHz) 21100 (2535.00 MHz) 21425 (2567.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20800 (2505.00 MHz) 21100 (2535.00 MHz) 21400 (2565.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20825 (2507.50 MHz) 21100 (2535.00 MHz) 21375 (2562.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20850 (2510.00 MHz) 21100 (2535.00 MHz) 21350 (2560.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	20775 (2502.50 MHz) 21100 (2535.00 MHz) 21425 (2567.50 MHz)	5 MHz	QPSK	1 RB Full RB
	20800 (2505.00 MHz) 21100 (2535.00 MHz) 21400 (2565.00 MHz)	10 MHz	QPSK	1 RB Full RB
	20825 (2507.50 MHz) 21100 (2535.00 MHz) 21375 (2562.50 MHz)	15 MHz	QPSK	1 RB Full RB
	20850 (2510.00 MHz) 21100 (2535.00 MHz) 21350 (2560.00 MHz)	20 MHz	QPSK	1 RB Full RB
RE Below 1GHz	21425 (2567.50 MHz)	5 MHz	QPSK	1 RB
RE Above 1GHz	20775 (2502.50 MHz) 21100 (2535.00 MHz) 21425 (2567.50 MHz)	5 MHz	QPSK	1 RB
	20850 (2510.00 MHz) 21100 (2535.00 MHz) 21350 (2560.00 MHz)	20 MHz	QPSK	1 RB

For LTE Band 12

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
ERP	23017 (699.70 MHz) 23095 (707.50 MHz) 23173 (715.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23025 (700.50 MHz) 23095 (707.50 MHz) 23165 (714.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23035 (701.50 MHz) 23095 (707.50 MHz) 23155 (713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23060 (704.00 MHz) 23095 (707.50 MHz) 23130 (711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	23095 (707.50 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	23017 (699.70 MHz) 23173 (715.30 MHz)	1.4 MHz	QPSK	Full RB
	23025 (700.50 MHz) 23165 (714.50 MHz)	3 MHz	QPSK	Full RB
	23035 (701.50 MHz) 23155 (713.50 MHz)	5 MHz	QPSK	Full RB
	23060 (704.00 MHz) 23130 (711.00 MHz)	10 MHz	QPSK	Full RB
Occupied Bandwidth	23017 (699.70 MHz) 23095 (707.50 MHz) 23173 (715.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	23025 (700.50 MHz) 23095 (707.50 MHz) 23165 (714.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	23035 (701.50 MHz) 23095 (707.50 MHz) 23155 (713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	23060 (704.00 MHz) 23095 (707.50 MHz) 23130 (711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	23017 (699.70 MHz) 23095 (707.50 MHz) 23173 (715.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	23025 (700.50 MHz) 23095 (707.50 MHz) 23165 (714.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	23035 (701.50 MHz) 23095 (707.50 MHz) 23155 (713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	23060 (704.00 MHz) 23095 (707.50 MHz) 23130 (711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	23017 (699.70 MHz) 23095 (707.50 MHz) 23173 (715.30 MHz)	1.4 MHz	QPSK	1 RB Full RB
	23025 (700.50 MHz) 23095 (707.50 MHz) 23165 (714.50 MHz)	3 MHz	QPSK	1 RB Full RB
	23035 (701.50 MHz) 23095 (707.50 MHz) 23155 (713.50 MHz)	5 MHz	QPSK	1 RB Full RB
	23060 (704.00 MHz) 23095 (707.50 MHz) 23130 (711.00 MHz)	10 MHz	QPSK	1 RB Full RB
RE Below 1GHz	23155 (713.50 MHz)	5 MHz	QPSK	1 RB
RE Above 1GHz	23017 (699.70 MHz) 23095 (707.50 MHz) 23173 (715.30 MHz)	1.4 MHz	QPSK	1 RB
	23035 (701.50 MHz) 23095 (707.50 MHz) 23155 (713.50 MHz)	5 MHz	QPSK	1 RB
	23060 (704.00 MHz) 23095 (707.50 MHz) 23130 (711.00 MHz)	10 MHz	QPSK	1 RB

For LTE Band 13

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
ERP	23205 (779.50 MHz) 23230 (782.00 MHz) 23255 (784.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23230 (782.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	23230 (782.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	23205 (779.50 MHz) 23255 (784.50 MHz)	5 MHz	QPSK	Full RB
	23230 (782.00 MHz)	10 MHz	QPSK	Full RB
Occupied Bandwidth	23205 (779.50 MHz) 23230 (782.00 MHz) 23255 (784.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	23230 (782.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	23205 (779.50 MHz) 23230 (782.00 MHz) 23255 (784.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	23230 (782.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Conducted Emission	23205 (779.50 MHz) 23230 (782.00 MHz) 23255 (784.50 MHz)	5 MHz	QPSK	1 RB Full RB
	23230 (782.00 MHz)	10 MHz	QPSK	1 RB Full RB
RE Below 1GHz	23230 (782.00 MHz)	5 MHz	QPSK	1 RB
RE Above 1GHz	23205 (779.50 MHz) 23230 (782.00 MHz) 23255 (784.50 MHz)	5 MHz	QPSK	1 RB
	23230 (782.00 MHz)	10 MHz	QPSK	1 RB

For LTE Band 14

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
ERP	23305 (790.50 MHz) 23330 (793.00 MHz) 23355 (795.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23330 (793.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	23330 (793.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	23305 (790.50 MHz) 23355 (795.50 MHz)	5 MHz	QPSK	Full RB
	23330 (793.00 MHz)	10 MHz	QPSK	Full RB
Occupied Bandwidth	23305 (790.50 MHz) 23330 (793.00 MHz) 23355 (795.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	23330 (793.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Emission	23305 (790.50 MHz) 23330 (793.00 MHz) 23355 (795.50 MHz)	5 MHz	QPSK	1 RB Full RB
	23330 (793.00 MHz)	10 MHz	QPSK	1 RB Full RB
RE Below 1GHz	23330 (793.00 MHz)	10 MHz	QPSK	1 RB
RE Above 1GHz	23305 (790.50 MHz) 23330 (793.00 MHz) 23355 (795.50 MHz)	5 MHz	QPSK	1 RB
	23330 (793.00 MHz)	10 MHz	QPSK	1 RB

For LTE Band 17

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
ERP	23755 (706.50 MHz) 23790 (710.00 MHz) 23825 (713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23780 (709.00 MHz) 23790 (710.00 MHz) 23800 (711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	23790 (710.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	23755 (706.50 MHz) 23825 (713.50 MHz)	5 MHz	QPSK	Full RB
	23780 (709.00 MHz) 23800 (711.00 MHz)	10 MHz	QPSK	Full RB
Occupied Bandwidth	23755 (706.50 MHz) 23790 (710.00 MHz) 23825 (713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	23780 (709.00 MHz) 23790 (710.00 MHz) 23800 (711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	23755 (706.50 MHz) 23790 (710.00 MHz) 23825 (713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	23780 (709.00 MHz) 23790 (710.00 MHz) 23800 (711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Conducted Emission	23755 (706.50 MHz) 23790 (710.00 MHz) 23825 (713.50 MHz)	5 MHz	QPSK	1 RB Full RB
	23780 (709.00 MHz) 23790 (710.00 MHz) 23800 (711.00 MHz)	10 MHz	QPSK	1 RB Full RB
RE Below 1GHz	23800 (711.00 MHz)	10 MHz	QPSK	1 RB
RE Above 1GHz	23755 (706.50 MHz) 23790 (710.00 MHz) 23825 (713.50 MHz)	5 MHz	QPSK	1 RB
	23780 (709.00 MHz) 23790 (710.00 MHz) 23800 (711.00 MHz)	10 MHz	QPSK	1 RB

For LTE Band 25

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	26047 (1850.70 MHz) 26365 (1882.50 MHz) 26683 (1914.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26055 (1851.50 MHz) 26365 (1882.50 MHz) 26675 (1913.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26065 (1852.50 MHz) 26365 (1882.50 MHz) 26665 (1912.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26090 (1855.00 MHz) 26365 (1882.50 MHz) 26640 (1910.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26115 (1857.50 MHz) 26365 (1882.50 MHz) 26615 (1907.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26140 (1860.00 MHz) 26365 (1882.50 MHz) 26590 (1905.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	26365 (1882.50 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	26047 (1850.70 MHz) 26683 (1914.30 MHz)	1.4 MHz	QPSK	Full RB
	26055 (1851.50 MHz) 26675 (1913.50 MHz)	3 MHz	QPSK	Full RB
	26065 (1852.50 MHz) 26665 (1912.50 MHz)	5 MHz	QPSK	Full RB
	26090 (1855.00 MHz) 26640 (1910.00 MHz)	10 MHz	QPSK	Full RB
	26115 (1857.50 MHz) 26615 (1907.50 MHz)	15 MHz	QPSK	Full RB
	26140 (1860.00 MHz) 26590 (1905.00 MHz)	20 MHz	QPSK	Full RB
Occupied Bandwidth	26047 (1850.70 MHz) 26365 (1882.50 MHz) 26683 (1914.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26055 (1851.50 MHz) 26365 (1882.50 MHz) 26675 (1913.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26065 (1852.50 MHz) 26365 (1882.50 MHz) 26665 (1912.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26090 (1855.00 MHz) 26365 (1882.50 MHz) 26640 (1910.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26115 (1857.50 MHz) 26365 (1882.50 MHz) 26615 (1907.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26140 (1860.00 MHz) 26365 (1882.50 MHz) 26590 (1905.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Peak to Average Ratio	26047 (1850.70 MHz) 26365 (1882.50 MHz) 26683 (1914.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26055 (1851.50 MHz) 26365 (1882.50 MHz) 26675 (1913.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26065 (1852.50 MHz) 26365 (1882.50 MHz) 26665 (1912.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26090 (1855.00 MHz) 26365 (1882.50 MHz) 26640 (1910.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26115 (1857.50 MHz) 26365 (1882.50 MHz) 26615 (1907.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26140 (1860.00 MHz) 26365 (1882.50 MHz) 26590 (1905.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Conducted Emission	26047 (1850.70 MHz) 26365 (1882.50 MHz) 26683 (1914.30 MHz)	1.4 MHz	QPSK	1 RB Full RB
	26055 (1851.50 MHz) 26365 (1882.50 MHz) 26675 (1913.50 MHz)	3 MHz	QPSK	1 RB Full RB
	26065 (1852.50 MHz) 26365 (1882.50 MHz) 26665 (1912.50 MHz)	5 MHz	QPSK	1 RB Full RB
	26090 (1855.00 MHz) 26365 (1882.50 MHz) 26640 (1910.00 MHz)	10 MHz	QPSK	1 RB Full RB
	26115 (1857.50 MHz) 26365 (1882.50 MHz) 26615 (1907.50 MHz)	15 MHz	QPSK	1 RB Full RB
	26140 (1860.00 MHz) 26365 (1882.50 MHz) 26590 (1905.00 MHz)	20 MHz	QPSK	1 RB Full RB
RE Below 1GHz	26590 (1905.00 MHz)	20 MHz	QPSK	1 RB
RE Above 1GHz	26047 (1850.70 MHz) 26365 (1882.50 MHz) 26683 (1914.30 MHz)	1.4 MHz	QPSK	1 RB
	26065 (1852.50 MHz) 26365 (1882.50 MHz) 26665 (1912.50 MHz)	5 MHz	QPSK	1 RB
	26140 (1860.00 MHz) 26365 (1882.50 MHz) 26590 (1905.00 MHz)	20 MHz	QPSK	1 RB

For LTE Band 30

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	27685 (2307.50 MHz) 27710 (2310.00 MHz) 27735 (2312.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	27710 (2310.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	27710 (2310.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	27685 (2307.50 MHz) 27735 (2312.50 MHz)	5 MHz	QPSK	Full RB
	27710 (2310.00 MHz)	10 MHz	QPSK	Full RB
Occupied Bandwidth	27685 (2307.50 MHz) 27710 (2310.00 MHz) 27735 (2312.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	27710 (2310.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Emission	27685 (2307.50 MHz) 27710 (2310.00 MHz) 27735 (2312.50 MHz)	5 MHz	QPSK	1 RB Full RB
	27710 (2310.00 MHz)	10 MHz	QPSK	1 RB Full RB
RE Below 1GHz	27735 (2312.50 MHz)	5 MHz	QPSK	1 RB
RE Above 1GHz	27685 (2307.50 MHz) 27710 (2310.00 MHz) 27735 (2312.50 MHz)	5 MHz	QPSK	1 RB
	27710 (2310.00 MHz)	10 MHz	QPSK	1 RB

For LTE Band 41

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	39675 (2498.50 MHz) 40620 (2593.00 MHz) 41565 (2687.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	39700 (2501.00 MHz) 40620 (2593.00 MHz) 41540 (2685.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	39725 (2503.50 MHz) 40620 (2593.00 MHz) 41515 (2682.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	39750 (2506.00 MHz) 40620 (2593.00 MHz) 41490 (2680.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	40620 (2593.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	39675 (2498.50 MHz) 41565 (2687.50 MHz)	5 MHz	QPSK	Full RB
	39700 (2501.00 MHz) 41540 (2685.00 MHz)	10 MHz	QPSK	Full RB
	39725 (2503.50 MHz) 41515 (2682.50 MHz)	15 MHz	QPSK	Full RB
	39750 (2506.00 MHz) 41490 (2680.00 MHz)	20 MHz	QPSK	Full RB
Occupied Bandwidth	39675 (2498.50 MHz) 40620 (2593.00 MHz) 41565 (2687.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	39700 (2501.00 MHz) 40620 (2593.00 MHz) 41540 (2685.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	39725 (2503.50 MHz) 40620 (2593.00 MHz) 41515 (2682.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	39750 (2506.00 MHz) 40620 (2593.00 MHz) 41490 (2680.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	39675 (2498.50 MHz) 40620 (2593.00 MHz) 41565 (2687.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	39700 (2501.00 MHz) 40620 (2593.00 MHz) 41540 (2685.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	39725 (2503.50 MHz) 40620 (2593.00 MHz) 41515 (2682.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	39750 (2506.00 MHz) 40620 (2593.00 MHz) 41490 (2680.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	39675 (2498.50 MHz) 40620 (2593.00 MHz) 41565 (2687.50 MHz)	5 MHz	QPSK	1 RB Full RB
	39700 (2501.00 MHz) 40620 (2593.00 MHz) 41540 (2685.00 MHz)	10 MHz	QPSK	1 RB Full RB
	39725 (2503.50 MHz) 40620 (2593.00 MHz) 41515 (2682.50 MHz)	15 MHz	QPSK	1 RB Full RB
	39750 (2506.00 MHz) 40620 (2593.00 MHz) 41490 (2680.00 MHz)	20 MHz	QPSK	1 RB Full RB
RE Below 1GHz	39675 (2498.50 MHz)	5 MHz	QPSK	1 RB
RE Above 1GHz	39675 (2498.50 MHz) 40620 (2593.00 MHz) 41565 (2687.50 MHz)	5 MHz	QPSK	1 RB
	39750 (2506.00 MHz) 40620 (2593.00 MHz) 41490 (2680.00 MHz)	20 MHz	QPSK	1 RB

For LTE Band 66

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	131979 (1710.70 MHz) 132322 (1745.00 MHz) 132665 (1779.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	131987 (1711.50 MHz) 132322 (1745.00 MHz) 132657 (1778.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	131997 (1712.50 MHz) 132322 (1745.00 MHz) 132647 (1777.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	132022 (1715.00 MHz) 132322 (1745.00 MHz) 132622 (1775.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	132047 (1717.50 MHz) 132322 (1745.00 MHz) 132597 (1772.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	132072 (1720.00 MHz) 132322 (1745.00 MHz) 132572 (1770.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	132322 (1745.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	131979 (1710.70 MHz) 132665 (1779.30 MHz)	1.4 MHz	QPSK	Full RB
	131987 (1711.50 MHz) 132657 (1778.50 MHz)	3 MHz	QPSK	Full RB
	131997 (1712.50 MHz) 132647 (1777.50 MHz)	5 MHz	QPSK	Full RB
	132022 (1715.00 MHz) 132622 (1775.00 MHz)	10 MHz	QPSK	Full RB
	132047 (1717.50 MHz) 132597 (1772.50 MHz)	15 MHz	QPSK	Full RB
	132072 (1720.00 MHz) 132572 (1770.00 MHz)	20 MHz	QPSK	Full RB
Occupied Bandwidth	131979 (1710.70 MHz) 132322 (1745.00 MHz) 132665 (1779.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	131987 (1711.50 MHz) 132322 (1745.00 MHz) 132657 (1778.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	131997 (1712.50 MHz) 132322 (1745.00 MHz) 132647 (1777.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	132022 (1715.00 MHz) 132322 (1745.00 MHz) 132622 (1775.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	132047 (1717.50 MHz) 132322 (1745.00 MHz) 132597 (1772.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	132072 (1720.00 MHz) 132322 (1745.00 MHz) 132572 (1770.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Peak to Average Ratio	131979 (1710.70 MHz) 132322 (1745.00 MHz) 132665 (1779.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	131987 (1711.50 MHz) 132322 (1745.00 MHz) 132657 (1778.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	131997 (1712.50 MHz) 132322 (1745.00 MHz) 132647 (1777.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	132022 (1715.00 MHz) 132322 (1745.00 MHz) 132622 (1775.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	132047 (1717.50 MHz) 132322 (1745.00 MHz) 132597 (1772.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	132072 (1720.00 MHz) 132322 (1745.00 MHz) 132572 (1770.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Conducted Emission	131979 (1710.70 MHz) 132322 (1745.00 MHz) 132665 (1779.30 MHz)	1.4 MHz	QPSK	1 RB Full RB
	131987 (1711.50 MHz) 132322 (1745.00 MHz) 132657 (1778.50 MHz)	3 MHz	QPSK	1 RB Full RB
	131997 (1712.50 MHz) 132322 (1745.00 MHz) 132647 (1777.50 MHz)	5 MHz	QPSK	1 RB Full RB
	132022 (1715.00 MHz) 132322 (1745.00 MHz) 132622 (1775.00 MHz)	10 MHz	QPSK	1 RB Full RB
	132047 (1717.50 MHz) 132322 (1745.00 MHz) 132597 (1772.50 MHz)	15 MHz	QPSK	1 RB Full RB
	132072 (1720.00 MHz) 132322 (1745.00 MHz) 132572 (1770.00 MHz)	20 MHz	QPSK	1 RB Full RB
RE Below 1GHz	132647 (1777.50 MHz)	5 MHz	QPSK	1 RB
RE Above 1GHz	131979 (1710.70 MHz) 132322 (1745.00 MHz) 132665 (1779.30 MHz)	1.4 MHz	QPSK	1 RB
	131997 (1712.50 MHz) 132322 (1745.00 MHz) 132647 (1777.50 MHz)	5 MHz	QPSK	1 RB
	132072 (1720.00 MHz) 132322 (1745.00 MHz) 132572 (1770.00 MHz)	20 MHz	QPSK	1 RB

For LTE Band 71

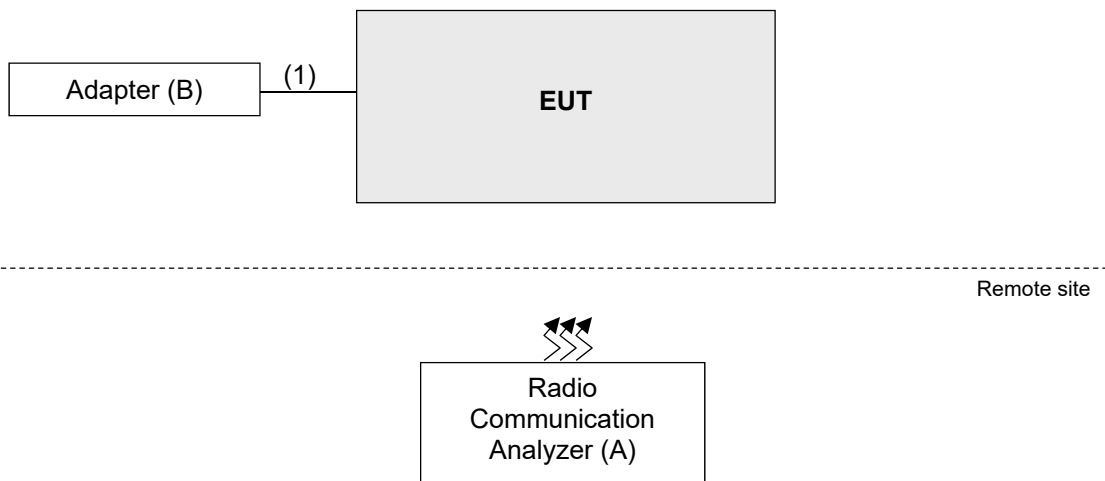
Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
ERP	133147 (665.50 MHz) 133297 (680.50 MHz) 133447 (695.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133172 (668.00 MHz) 133297 (680.50 MHz) 133422 (693.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133197 (670.50 MHz) 133297 (680.50 MHz) 133397 (690.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133222 (673.00 MHz) 133297 (680.50 MHz) 133372 (688.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	133297 (680.50 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Frequency Stability	133147 (665.50 MHz) 133447 (695.50 MHz)	5 MHz	QPSK	Full RB
	133172 (668.00 MHz) 133422 (693.00 MHz)	10 MHz	QPSK	Full RB
	133197 (670.50 MHz) 133397 (690.50 MHz)	15 MHz	QPSK	Full RB
	133222 (673.00 MHz) 133372 (688.00 MHz)	20 MHz	QPSK	Full RB
Occupied Bandwidth	133147 (665.50 MHz) 133297 (680.50 MHz) 133447 (695.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	133172 (668.00 MHz) 133297 (680.50 MHz) 133422 (693.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	133197 (670.50 MHz) 133297 (680.50 MHz) 133397 (690.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	133222 (673.00 MHz) 133297 (680.50 MHz) 133372 (688.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	133147 (665.50 MHz) 133297 (680.50 MHz) 133447 (695.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	133172 (668.00 MHz) 133297 (680.50 MHz) 133422 (693.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	133197 (670.50 MHz) 133297 (680.50 MHz) 133397 (690.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	133222 (673.00 MHz) 133297 (680.50 MHz) 133372 (688.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Emission	133147 (665.50 MHz) 133297 (680.50 MHz) 133447 (695.50 MHz)	5 MHz	QPSK	1 RB Full RB
	133172 (668.00 MHz) 133297 (680.50 MHz) 133422 (693.00 MHz)	10 MHz	QPSK	1 RB Full RB
	133197 (670.50 MHz) 133297 (680.50 MHz) 133397 (690.50 MHz)	15 MHz	QPSK	1 RB Full RB
	133222 (673.00 MHz) 133297 (680.50 MHz) 133372 (688.00 MHz)	20 MHz	QPSK	1 RB Full RB
RE Below 1GHz	133447 (695.50 MHz)	5 MHz	QPSK	1 RB
RE Above 1GHz	133147 (665.50 MHz) 133297 (680.50 MHz) 133447 (695.50 MHz)	5 MHz	QPSK	1 RB
	133222 (673.00 MHz) 133297 (680.50 MHz) 133372 (688.00 MHz)	20 MHz	QPSK	1 RB

3.4 Test Program Used and Operation Descriptions

There is no need to controlling software during the test, and the EUT can be paired with the Radio Communication Analyzer to test the connection when it is powered on.

3.5 Connection Diagram of EUT and Peripheral Devices



3.6 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Radio Communication Analyzer	Anritsu	MT8821C	6201462755	N/A	Provided by Lab
B	Adapter	Kyocera	SCP-53ADT	N/A	N/A	Provided by Client

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	USB Cable	1	1	Y	0	Accessory of EUT

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
N9030B - PXA Signal Analyzer KEYSIGHT	N9030B	MY57140488	2022/2/24	2023/2/23
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2022/3/3	2023/3/2
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2022/12/19 ~ 2023/2/22

4.2 Modulation Characteristics

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
N9030B - PXA Signal Analyzer KEYSIGHT	N9030B	MY57140938	2022/3/15	2023/3/14
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2022/3/3	2023/3/2
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2022/12/19 ~ 2023/2/22

4.3 Peak to Average Ratio

Refer to section 4.2 to get information of the instruments.

4.4 Bandwidth

Refer to section 4.2 to get information of the instruments.

4.5 Conducted Spurious Emissions

Refer to section 4.2 to get information of the instruments.

4.6 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Bi-log Broadband Antenna Schwarzbeck	VULB9168	9168-1213	2022/10/20	2023/10/19
Loop Antenna EMCI	EM-6879	269	2022/9/19	2023/9/18
Loop Antenna TESEQ	HLA 6121	45745	2022/7/27	2023/7/26
Pre-amplifier EMCI	EMC001340	980201	2022/9/23	2023/9/22
Pre_Amplifier EMCI	EMC330N	980782	2022/1/17 2023/1/16	2023/1/16 2024/1/15
RF Coaxial Cable EMCI	5D-NM-BM	140903+140902	2022/1/15 2023/1/7	2023/1/14 2024/1/6
	EMCCFD400-NM-NM-500	201233	2022/1/17 2023/1/16	2023/1/16 2024/1/15
	EMCCFD400-NM-NM-3000	201235	2022/1/17 2023/1/16	2023/1/16 2024/1/15
	EMCCFD400-NM-NM-9000	201236	2022/1/17 2023/1/16	2023/1/16 2024/1/15
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Spectrum Analyzer R&S	FSW43	101866	2022/1/14 2023/1/10	2023/1/13 2024/1/9
Test Receiver R&S	ESR3+	102782	2022/12/12	2023/12/11
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2022/3/3 2023/3/3	2023/3/2 2024/3/2

Notes:

1. The test was performed in WM - 966 chamber 8.
2. Tested Date: 2022/12/23 ~ 2023/3/4

4.7 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Horn Antenna RFSPIN	DRH18-E	210103A18E	2022/11/13	2023/11/12
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2022/11/13	2023/11/12
Pre_Amplifier EMCI	EMC118A45SE	980808	2022/12/29	2023/12/28
	EMC184045SE	980788	2022/1/17 2023/1/16	2023/1/16 2024/1/15
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2022/1/17 2023/1/16	2023/1/16 2024/1/15
	EMC101G-KM-KM-3000	201257	2022/1/17 2023/1/16	2023/1/16 2024/1/15
	EMC101G-KM-KM-5000	201260	2022/1/17 2023/1/16	2023/1/16 2024/1/15
	EMC104-SM-SM-1000	210102	2022/1/17 2023/1/16	2023/1/16 2024/1/15
	EMC104-SM-SM-3000	201231	2022/1/17 2023/1/16	2023/1/16 2024/1/15
	EMC104-SM-SM-9000	201243	2022/1/17 2023/1/16	2023/1/16 2024/1/15
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Spectrum Analyzer R&S	FSW43	101866	2022/1/14 2023/1/10	2023/1/13 2024/1/9
Test Receiver R&S	ESR3+	102782	2022/12/12	2023/12/11
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2022/3/3 2023/3/3	2023/3/2 2024/3/2

Notes:

1. The test was performed in WM - 966 chamber 8.
2. Tested Date: 2022/12/29 ~ 2023/3/3

4.8 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
3-channel DC power supply JIN YIH Technology	ODP3033	ODP30332128138	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2022/6/23	2023/6/22
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	100980	2022/4/20	2023/4/19
Temperature & Humidity Chamber TERCHY	HRM-120RF	931022	2022/12/27	2023/12/26
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2023/3/3	2024/3/2

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/3/15

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

For WCDMA Band 2, LTE Band 2, LTE Band 25:

Mobile and portable stations are limited to 2 watts EIRP.

For WCDMA Band 4, LTE Band 4, LTE Band 66:

Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

For WCDMA Band 5, LTE Band 5:

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

For LTE Band 7, LTE Band 41:

Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

For LTE Band 12, LTE Band 17, LTE Band 71:

Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

For LTE Band 13:

Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

For LTE Band 14:

Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

For LTE Band 30:

For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

5.2 Modulation Characteristics

A curve or equivalent data which shows that the equipment will meet the modulation requirements of the rules under which the equipment is to be licensed.

5.3 Peak to Average Ratio

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB.

5.4 Bandwidth

According to FCC 47 CFR part 2.1049, the occupied bandwidth, that 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% of the total mean power radiated by a given emission.

5.5 Conducted Spurious Emissions

For WCDMA Band 2, WCDMA Band 5, LTE Band 2, LTE Band 5, LTE Band 25:

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. The emission limit equal to -13 dBm.

For WCDMA Band 4, LTE Band 4:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ dB. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

For LTE Band 7, LTE Band 41:

According to FCC 47 CFR part 27.53(m)(4) regulations, any transmit power outside of the channel edge must be attenuated below the transmitting power (P) by a factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less that $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed.

For LTE Band 12, LTE Band 17, LTE Band 71:

According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

For LTE Band 13:

According to FCC 47 CFR part 27.53(c)(2), for on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

According to FCC 47 CFR part 27.53(c)(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.

For operations in the 775-788 MHz, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (EIRP). The limit of emissions is equal to -40 dBm.

For LTE Band 14:

According to FCC 47 CFR part 90.543 (e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.

(2) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log(P)$ dB.

According to FCC 47 CFR part 90.543 (f), for operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

For LTE Band 30:

According to FCC 47 CFR part 27.53(a)(4), for mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

- (i) By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 MHz and 2320 MHz and on all frequencies between 2345 MHz and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 MHz and 2324 MHz and on all frequencies between 2341 MHz and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 MHz and 2328 MHz and on all frequencies between 2337 MHz and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 MHz and 2337 MHz;
- (ii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 MHz and 2305 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2296 MHz and 2300 MHz, $61 + 10 \log (P)$ dB on all frequencies between 2292 MHz and 2296 MHz, $67 + 10 \log (P)$ dB on all frequencies between 2288 MHz and 2292 MHz, and $70 + 10 \log (P)$ dB below 2288 MHz;
- (iii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 MHz and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.
- (iv) Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305 MHz, 2310 MHz, 2315 MHz, 2320 MHz, 2345 MHz, 2350 MHz, 2355 MHz, and 2360 MHz, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

For LTE Band 66:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log (P)$ dB. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

5.6 Radiated Spurious Emissions below 1GHz

For WCDMA Band 2, WCDMA Band 5, LTE Band 2, LTE Band 5, LTE Band 25:

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. The emission limit equal to -13 dBm.

For WCDMA Band 4, LTE Band 4:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ dB. The limit of emission is equal to -13 dBm.

For LTE Band 7, LTE Band 41:

According to FCC 47 CFR part 27.53(m)(4), on any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least $55 + 10 \log(P)$ dB. The emission limit equal to -25 dBm.

For LTE Band 12, LTE Band 17, LTE Band 71:

According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. The limit of emissions is equal to -13 dBm.

For LTE Band 13:

According to FCC 47 CFR part 27.53(c)(2), for on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB. The limit of emissions is equal to -13 dBm.

For operations in the 775-788 MHz, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (EIRP). The limit of emissions is equal to -40 dBm.

For LTE Band 14:

According to FCC 47 CFR part 90.543 (e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ dB.

According to FCC 47 CFR part 90.543 (f), for operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

For LTE Band 30:

According to FCC 47 CFR part 27.53(a)(4)(ii)(iii), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $70 + 10 \log(P)$ dB. The limit of emission is equal to -40 dBm.

For LTE Band 66:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ dB. The limit of emission is equal to -13 dBm.

5.7 Radiated Spurious Emissions above 1GHz

For WCDMA Band 2, WCDMA Band 5, LTE Band 2, LTE Band 5, LTE Band 25:

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. The emission limit equal to -13 dBm.

For WCDMA Band 4, LTE Band 4:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ dB. The limit of emission is equal to -13 dBm.

For LTE Band 7, LTE Band 41:

According to FCC 47 CFR part 27.53(m)(4), on any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least $55 + 10 \log(P)$ dB. The emission limit equal to -25 dBm.

For LTE Band 12, LTE Band 17, LTE Band 71:

According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. The limit of emissions is equal to -13 dBm.

For LTE Band 13:

According to FCC 47 CFR part 27.53(c)(2), for on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB. The limit of emissions is equal to -13 dBm.

For operations in the 775-788 MHz, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (EIRP). The limit of emissions is equal to -40 dBm.

For LTE Band 14:

According to FCC 47 CFR part 90.543 (e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ dB.

According to FCC 47 CFR part 90.543 (f), for operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

For LTE Band 30:

According to FCC 47 CFR part 27.53(a)(4)(ii)(iii), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $70 + 10 \log(P)$ dB. The limit of emission is equal to -40 dBm.

For LTE Band 66:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ dB. The limit of emission is equal to -13 dBm.

5.8 Frequency Stability

For WCDMA Band 5, LTE Band 5:

1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

For WCDMA Band 2, WCDMA Band 4, LTE Band 2, LTE Band 4, LTE Band 7, LTE Band 12, LTE Band 13, LTE Band 17, LTE Band 25, LTE Band 30, LTE Band 41, LTE Band 66, LTE Band 71:

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation (authorized frequency block).

For LTE Band 14

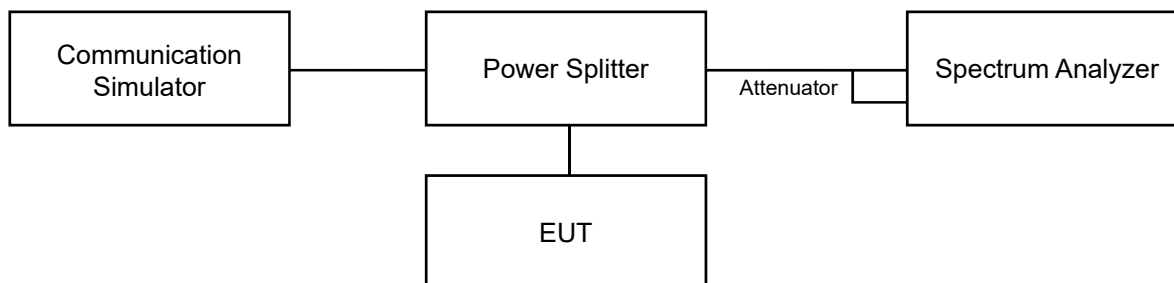
The frequency stability of mobile, portable and control transmitters operating in the wideband segment must be 1.25 parts per million or better when AFC is locked to a base station, and 5 parts per million or better when AFC is not locked.

6 Test Arrangements

6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

6.1.1 Test Setup

Conducted Power Measurement:



6.1.2 Test Procedure

Conducted Power Measurement:

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology. The power measurement was performed on emulator and power value was measured from power function on emulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

Measurement method refers to ANSI C63.26 section 5.2.4.4.

- Set span to $2 \times$ to $3 \times$ the OBW.
- Set RBW = 1% to 5% of the OBW.
- Set VBW $\geq 3 \times$ RBW.
- Set number of measurement points in sweep $\geq 2 \times$ span / RBW.
- Set Sweep time = auto-couple.
- Detector = power averaging (rms).
- Set sweep trigger to "free run."
- Trace average at least 100 traces in power averaging (rms) mode.
- Compute power by integrating the spectrum across the OBW of the signal using the instrument's band or channel power measurement function with band/channel limits set equal to the OBW band edges.
- If Duty cycle < 98%, Add $10 \log (1/\text{duty cycle})$ to the measured power level to compute the average power during continuous transmission.

Maximum EIRP / ERP

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$$\text{EIRP} = P_{\text{Meas}} + G_T$$

$$\text{ERP} = P_{\text{Meas}} + G_T - 2.15$$

where

ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively

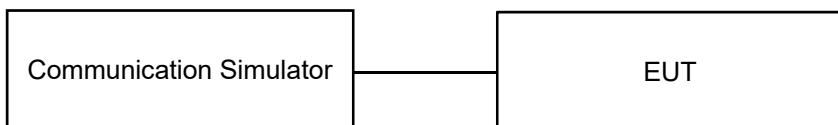
(expressed in the same units as P_{Meas} , e.g., dBm or dBW)

P_{Meas} measured transmitter output power or PSD, in dBm or dBW

G_T gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

6.2 Modulation Characteristics

6.2.1 Test Setup

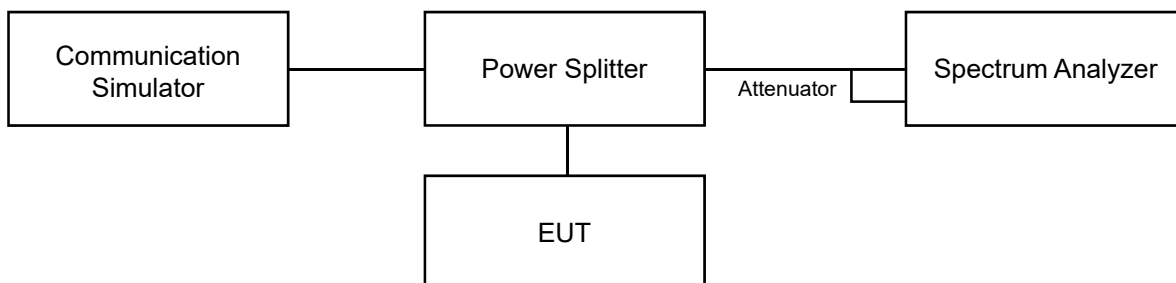


6.2.2 Test Procedure

Connect the EUT to Communication Simulator via the antenna connector, the frequency band is set as EUT supported Modulation and Channels, the EUT output is matched with 50 ohm load, the waveform quality and constellation of the EUT was tested.

6.3 Peak to Average Ratio

6.3.1 Test Setup

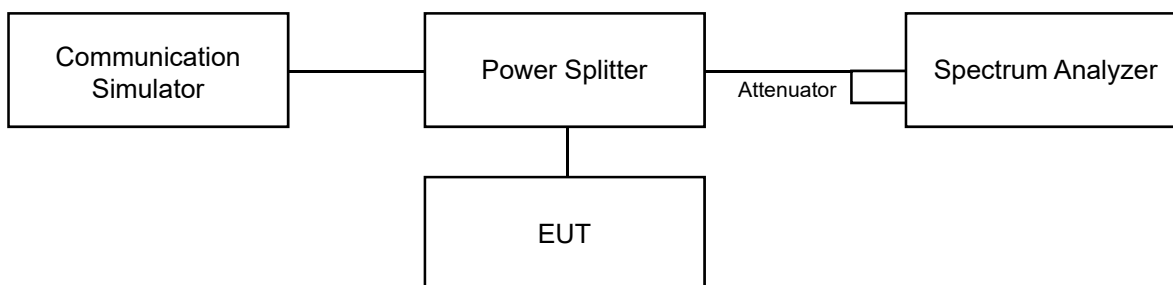


6.3.2 Test Procedure

- Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
- Set the number of counts to a value that stabilizes the measured CCDF curve;
- Record the maximum PAPR level associated with a probability of 0.1%.

6.4 Bandwidth

6.4.1 Test Setup



6.4.2 Test Procedure

For the 26 dBc bandwidth measurement method, please refer to section 5.4.3 of ANSI C63.26.

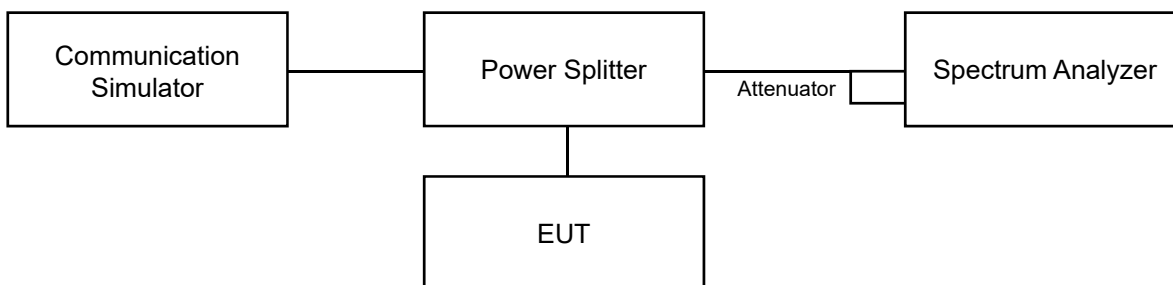
- The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times$ RBW.
- Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
- The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target “-X dB” requirement, i.e., if the requirement calls for measuring the -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
- Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
- Determine the following reference values: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).
- Determine the “-X dB amplitude” as equal to (Reference Value - X). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.
- Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB amplitude” determined in step f). If a marker is below this “-X dB amplitude” value it should be as close as possible to this value. The OBW is the positive frequency difference between the two markers.
- The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

For the occupied bandwidth measurement method, please refer to section 5.4.4 of ANSI C63.26.

- a. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- b. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times$ RBW.
- c. Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
- d. The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target “-X dB” requirement, i.e., if the requirement calls for measuring the -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
- e. Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
- f. Determine the reference value by either of the following:
 - g. 1) Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).
 - h. 2) Set the EUT to transmit an unmodulated carrier. Set the spectrum analyzer marker to the level of the carrier.
- i. Determine the “-X dB amplitude” as equal to (Reference Value - X). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.
- j. If the reference value was determined using an unmodulated carrier, turn the EUT modulation on, then either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise the trace from step f) shall be used for step i).
- k. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB amplitude” determined in step f). If a marker is below this “-X dB amplitude” value it should be as close as possible to this value. The OBW is the positive frequency difference between the two markers. The spectral envelope can cross the “-X dB amplitude” at multiple points. The lowest or highest frequency shall be selected as the frequencies that are the farthest away from the center frequency at which the spectral envelope crosses the “-X dB amplitude.”
- l. The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

6.5 Conducted Spurious Emissions

6.5.1 Test Setup



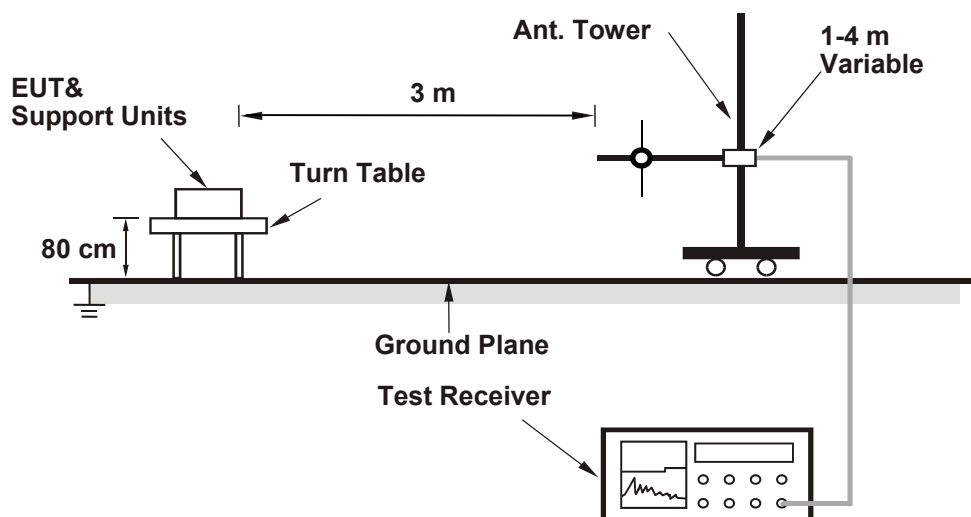
6.5.2 Test Procedure

- Measurement refer to ANSI C63.26 section 5.7.
- All measurements were done at 3 channels: low, middle and high operational frequency range.
- Measuring frequency range is from 9 kHz up to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. 20 dB attenuation pad is connected with spectrum.
- The fundamental frequency above 1 GHz, the spectrum set RBW = 1 MHz, VBW = 3 MHz, Detector = Average.
- The fundamental frequency below 1 GHz, the spectrum set RBW $\geq$ 100 kHz, VBW $\geq$ 3 x RBW, Detector = Average.
- Measuring frequency band edge, narrow RBW (no less than 1% of the OBW) is used for conducted emission measurement.

6.6 Radiated Spurious Emissions below 1GHz

6.6.1 Test Setup

For radiated emission 30 MHz to 1 GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.6.2 Test Procedure

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology.

- In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
- Following C63.26 section 5.5 and 5.2.7
- $EIRP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.
- $ERP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8 - 2.15$; where D is the measurement distance (in the far field region) in m.

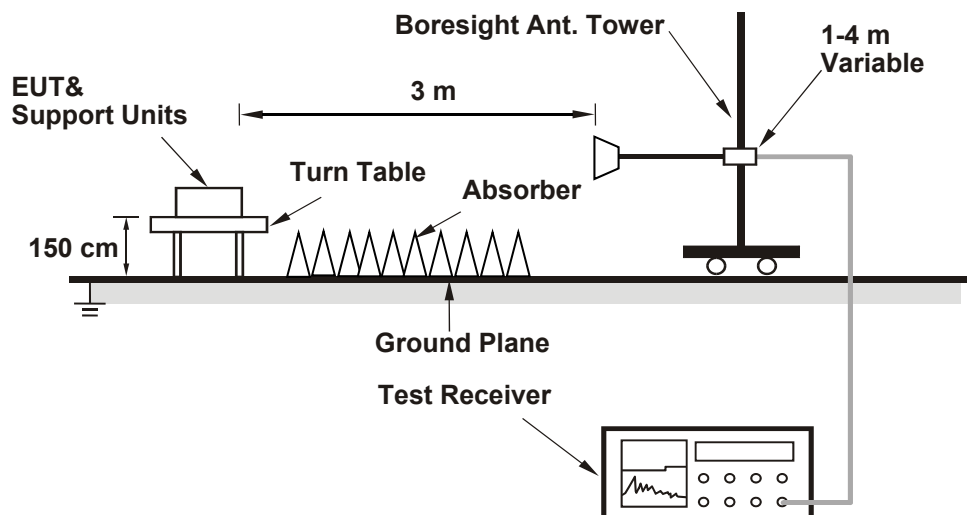
Note:

- The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.
- The emission levels were against the limit of frequency range 9 kHz ~ 30 MHz:
The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

6.7 Radiated Spurious Emissions above 1GHz

6.7.1 Test Setup

For radiated emission above 1 GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.7.2 Test Procedure

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology.

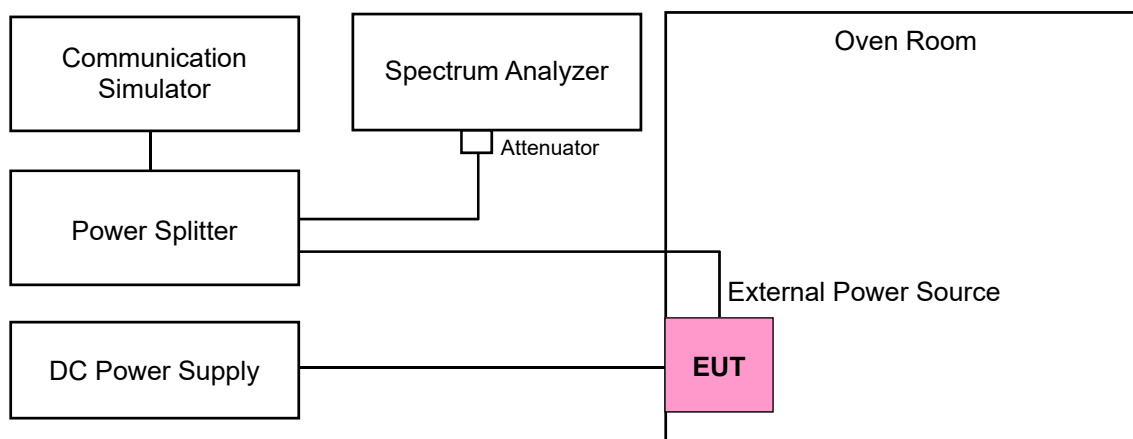
- In the semi-anechoic chamber, EUT placed on the 1.5 m height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
- Following C63.26 section 5.5 and 5.2.7
- $EIRP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.
- $ERP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8 - 2.15$; where D is the measurement distance (in the far field region) in m.

Note:

- The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.

6.8 Frequency Stability

6.8.1 Test Setup



6.8.2 Test Procedure

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology.

- Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

Note: The frequency error was recorded frequency error from the communication simulator.

7 Test Results of Test Item

7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Input Power:	3.87 Vdc	Environmental Conditions:	21°C, 70% RH	Tested By:	Willy Cheng
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7.1.1 WCDMA Band 2

Conducted Output Power (dBm)

Band	WCDMA II		
TX Channel	9262	9400	9538
Rx Channel	9662	9800	9938
Frequency	1852.4	1880	1907.6
RMC 12.2K	23.62	23.54	23.71
HSDPA Subtest-1	22.58	22.59	22.63
HSDPA Subtest-2	22.59	22.54	22.62
HSDPA Subtest-3	22.07	21.74	22.15
HSDPA Subtest-4	21.74	22.02	22.17
HSUPA Subtest-1	22.60	22.53	22.62
HSUPA Subtest-2	20.64	20.57	20.58
HSUPA Subtest-3	21.61	21.57	21.63
HSUPA Subtest-4	20.61	20.58	20.66
HSUPA Subtest-5	22.60	22.60	22.70

EIRP Power (dBm)

Band	WCDMA II		
TX Channel	9262	9400	9538
Rx Channel	9662	9800	9938
Frequency	1852.4	1880	1907.6
RMC 12.2K	22.92	22.84	23.01
HSDPA Subtest-1	21.88	21.89	21.93
HSDPA Subtest-2	21.89	21.84	21.92
HSDPA Subtest-3	21.37	21.04	21.45
HSDPA Subtest-4	21.04	21.32	21.47
HSUPA Subtest-1	21.90	21.83	21.92
HSUPA Subtest-2	19.94	19.87	19.88
HSUPA Subtest-3	20.91	20.87	20.93
HSUPA Subtest-4	19.91	19.88	19.96
HSUPA Subtest-5	21.90	21.90	22.00

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

7.1.2 WCDMA Band 4

Conducted Output Power (dBm)

Band	WCDMA IV		
TX Channel	1312	1413	1513
Rx Channel	1537	1638	1738
Frequency	1712.4	1732.6	1752.6
RMC 12.2K	23.62	23.31	23.22
HSDPA Subtest-1	22.56	22.24	22.12
HSDPA Subtest-2	22.54	22.23	22.15
HSDPA Subtest-3	22.07	21.76	21.65
HSDPA Subtest-4	22.04	21.71	21.61
HSUPA Subtest-1	22.57	22.25	22.14
HSUPA Subtest-2	20.61	20.27	20.11
HSUPA Subtest-3	21.56	21.25	21.12
HSUPA Subtest-4	20.55	20.26	20.15
HSUPA Subtest-5	22.60	22.30	22.10

EIRP Power (dBm)

Band	WCDMA IV		
TX Channel	1312	1413	1513
Rx Channel	1537	1638	1738
Frequency	1712.4	1732.6	1752.6
RMC 12.2K	23.52	23.21	23.12
HSDPA Subtest-1	22.46	22.14	22.02
HSDPA Subtest-2	22.44	22.13	22.05
HSDPA Subtest-3	21.97	21.66	21.55
HSDPA Subtest-4	21.94	21.61	21.51
HSUPA Subtest-1	22.47	22.15	22.04
HSUPA Subtest-2	20.51	20.17	20.01
HSUPA Subtest-3	21.46	21.15	21.02
HSUPA Subtest-4	20.45	20.16	20.05
HSUPA Subtest-5	22.50	22.20	22.00

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

7.1.3 WCDMA Band 5

Conducted Output Power (dBm)

Band	WCDMA V		
TX Channel	4132	4182	4233
Rx Channel	4357	4407	4458
Frequency	826.4	836.4	846.6
RMC 12.2K	23.56	23.49	23.53
HSDPA Subtest-1	22.56	22.40	22.50
HSDPA Subtest-2	22.55	22.47	22.51
HSDPA Subtest-3	22.02	21.97	22.00
HSDPA Subtest-4	22.06	21.95	22.00
HSUPA Subtest-1	22.51	22.46	22.47
HSUPA Subtest-2	20.54	20.51	20.48
HSUPA Subtest-3	21.56	21.46	21.44
HSUPA Subtest-4	20.52	20.45	20.49
HSUPA Subtest-5	22.50	22.50	22.50

ERP Power (dBm)

Band	WCDMA V		
TX Channel	4132	4182	4233
Rx Channel	4357	4407	4458
Frequency	826.4	836.4	846.6
RMC 12.2K	18.61	18.54	18.58
HSDPA Subtest-1	17.61	17.45	17.55
HSDPA Subtest-2	17.60	17.52	17.56
HSDPA Subtest-3	17.07	17.02	17.05
HSDPA Subtest-4	17.11	17.00	17.05
HSUPA Subtest-1	17.56	17.51	17.52
HSUPA Subtest-2	15.59	15.56	15.53
HSUPA Subtest-3	16.61	16.51	16.49
HSUPA Subtest-4	15.57	15.50	15.54
HSUPA Subtest-5	17.55	17.55	17.55

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

7.1.4 LTE Band 2

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18700	18900	19100
		Frequency (MHz)		1860	1880	1900
20M	QPSK	1	0	23.33	23.47	23.38
		1	50	23.16	23.33	23.26
		1	99	23.22	23.24	23.22
		50	0	22.14	22.27	22.24
		50	25	22.07	22.17	22.13
		50	50	22.01	22.09	22.03
		100	0	22.09	22.15	22.11
20M	16QAM	1	0	22.41	22.53	22.46
		1	50	22.36	22.44	22.36
		1	99	22.18	22.35	22.25
		50	0	21.25	21.32	21.28
		50	25	21.16	21.26	21.19
		50	50	20.98	21.15	21.07
		100	0	21.01	21.11	21.09
20M	64QAM	1	0	21.37	21.45	21.40
		1	50	21.32	21.38	21.35
		1	99	21.20	21.29	21.29
		50	0	20.17	20.34	20.27
		50	25	20.24	20.25	20.25
		50	50	20.07	20.15	20.11
		100	0	19.98	20.12	20.05
20M	256QAM	1	0	18.25	18.35	18.26
		1	50	18.11	18.28	18.18
		1	99	18.09	18.18	18.15
		50	0	18.02	18.21	18.12
		50	25	18.01	18.15	18.07
		50	50	17.97	18.08	18.06
		100	0	18.01	18.11	18.03

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18675	18900	19125
		Frequency (MHz)		1857.5	1880	1902.5
15M	QPSK	1	0	23.23	23.45	23.35
		1	37	23.12	23.23	23.25
		1	74	23.13	23.24	23.16
		36	0	22.06	22.25	22.14
		36	19	22.01	22.16	22.09
		36	39	21.94	22.07	21.98
		75	0	22.04	22.06	22.07
15M	16QAM	1	0	22.31	22.48	22.43
		1	37	22.35	22.44	22.35
		1	74	22.16	22.30	22.25
		36	0	21.23	21.27	21.20
		36	19	21.15	21.18	21.19
		36	39	20.88	21.13	21.06
		75	0	21.01	21.07	20.99
15M	64QAM	1	0	21.35	21.44	21.30
		1	37	21.22	21.33	21.26
		1	74	21.15	21.28	21.19
		36	0	20.11	20.28	20.20
		36	19	20.18	20.25	20.25
		36	39	20.01	20.09	20.08
		75	0	19.89	20.03	20.04
15M	256QAM	1	0	18.20	18.26	18.21
		1	37	18.02	18.26	18.14
		1	74	18.04	18.16	18.06
		36	0	17.99	18.13	18.09
		36	19	17.95	18.15	18.01
		36	39	17.97	18.04	17.99
		75	0	18.00	18.08	17.97

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18650	18900	19150
		Frequency (MHz)		1855	1880	1905
10M	QPSK	1	0	23.26	23.44	23.38
		1	24	23.08	23.27	23.17
		1	49	23.18	23.20	23.12
		25	0	22.08	22.19	22.20
		25	12	22.00	22.14	22.05
		25	25	21.98	22.00	22.01
		50	0	22.05	22.15	22.03
10M	16QAM	1	0	22.34	22.43	22.43
		1	24	22.29	22.35	22.29
		1	49	22.11	22.35	22.22
		25	0	21.15	21.30	21.25
		25	12	21.06	21.25	21.12
		25	25	20.88	21.14	21.03
		50	0	20.93	21.06	21.03
10M	64QAM	1	0	21.36	21.41	21.34
		1	24	21.22	21.36	21.34
		1	49	21.18	21.22	21.22
		25	0	20.14	20.30	20.19
		25	12	20.18	20.23	20.17
		25	25	19.99	20.08	20.06
		50	0	19.94	20.12	20.03
10M	256QAM	1	0	18.21	18.31	18.16
		1	24	18.03	18.27	18.11
		1	49	18.06	18.12	18.09
		25	0	17.99	18.20	18.10
		25	12	17.98	18.05	18.03
		25	25	17.97	18.07	17.99
		50	0	17.93	18.08	18.01

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18625	18900	19175
		Frequency (MHz)		1852.5	1880	1907.5
5M	QPSK	1	0	23.23	23.38	23.35
		1	12	23.15	23.23	23.17
		1	24	23.16	23.20	23.12
		12	0	22.08	22.26	22.19
		12	6	22.00	22.12	22.08
		12	13	21.93	22.07	21.99
		25	0	22.07	22.08	22.08
5M	16QAM	1	0	22.32	22.47	22.41
		1	12	22.36	22.40	22.33
		1	24	22.15	22.26	22.17
		12	0	21.18	21.27	21.18
		12	6	21.16	21.18	21.12
		12	13	20.96	21.09	21.07
		25	0	20.92	21.08	21.01
5M	64QAM	1	0	21.30	21.38	21.33
		1	12	21.22	21.37	21.33
		1	24	21.20	21.28	21.24
		12	0	20.17	20.26	20.18
		12	6	20.18	20.19	20.25
		12	13	20.05	20.06	20.11
		25	0	19.92	20.09	20.00
5M	256QAM	1	0	18.22	18.25	18.25
		1	12	18.09	18.22	18.10
		1	24	17.99	18.10	18.09
		12	0	18.02	18.18	18.09
		12	6	17.91	18.05	17.99
		12	13	17.92	18.03	17.98
		25	0	17.94	18.03	17.95

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18615	18900	19185
		Frequency (MHz)		1851.5	1880	1908.5
3M	QPSK	1	0	23.33	23.41	23.37
		1	7	23.13	23.23	23.18
		1	14	23.18	23.20	23.19
		8	0	22.13	22.23	22.22
		8	3	21.98	22.10	22.11
		8	7	21.96	22.00	21.96
		15	0	22.01	22.14	22.01
3M	16QAM	1	0	22.35	22.50	22.42
		1	7	22.31	22.39	22.31
		1	14	22.11	22.25	22.17
		8	0	21.18	21.29	21.24
		8	3	21.12	21.26	21.16
		8	7	20.95	21.12	21.07
		15	0	20.96	21.09	21.05
3M	64QAM	1	0	21.35	21.35	21.36
		1	7	21.25	21.38	21.33
		1	14	21.14	21.27	21.27
		8	0	20.13	20.33	20.18
		8	3	20.24	20.16	20.23
		8	7	20.06	20.12	20.09
		15	0	19.93	20.06	20.00
3M	256QAM	1	0	18.19	18.35	18.19
		1	7	18.07	18.26	18.15
		1	14	18.05	18.09	18.12
		8	0	18.02	18.19	18.12
		8	3	17.93	18.13	18.06
		8	7	17.89	18.08	18.06
		15	0	17.99	18.01	17.93

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18607	18900	19193
		Frequency (MHz)		1850.7	1880	1909.3
1.4M	QPSK	1	0	23.32	23.44	23.32
		1	2	23.08	23.32	23.21
		1	5	23.18	23.15	23.21
		3	0	23.13	23.26	23.18
		3	1	23.03	23.17	23.04
		3	3	22.94	23.03	22.96
		6	0	22.07	22.11	22.02
1.4M	16QAM	1	0	22.41	22.43	22.41
		1	2	22.33	22.43	22.34
		1	5	22.10	22.35	22.16
		3	0	22.15	22.28	22.27
		3	1	22.14	22.19	22.18
		3	3	21.93	22.15	21.98
		6	0	21.01	21.07	21.07
1.4M	64QAM	1	0	21.34	21.35	21.33
		1	2	21.28	21.32	21.31
		1	5	21.19	21.26	21.28
		3	0	21.13	21.32	21.20
		3	1	21.19	21.23	21.18
		3	3	21.01	21.14	21.03
		6	0	19.97	20.04	19.95
1.4M	256QAM	1	0	18.15	18.34	18.25
		1	2	18.08	18.27	18.08
		1	5	18.02	18.11	18.10
		3	0	18.02	18.13	18.08
		3	1	17.99	18.09	18.00
		3	3	17.93	18.01	17.99
		6	0	17.91	18.06	18.01

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18700	18900	19100
		Frequency (MHz)		1860	1880	1900
20M	QPSK	1	0	23.43	23.57	23.48
		1	50	23.26	23.43	23.36
		1	99	23.32	23.34	23.32
		50	0	22.24	22.37	22.34
		50	25	22.17	22.27	22.23
		50	50	22.11	22.19	22.13
		100	0	22.19	22.25	22.21
20M	16QAM	1	0	22.51	22.63	22.56
		1	50	22.46	22.54	22.46
		1	99	22.28	22.45	22.35
		50	0	21.35	21.42	21.38
		50	25	21.26	21.36	21.29
		50	50	21.08	21.25	21.17
		100	0	21.11	21.21	21.19
20M	64QAM	1	0	21.47	21.55	21.50
		1	50	21.42	21.48	21.45
		1	99	21.30	21.39	21.39
		50	0	20.27	20.44	20.37
		50	25	20.34	20.35	20.35
		50	50	20.17	20.25	20.21
		100	0	20.08	20.22	20.15
20M	256QAM	1	0	18.35	18.45	18.36
		1	50	18.21	18.38	18.28
		1	99	18.19	18.28	18.25
		50	0	18.12	18.31	18.22
		50	25	18.11	18.25	18.17
		50	50	18.07	18.18	18.16
		100	0	18.11	18.21	18.13

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18675	18900	19125
		Frequency (MHz)		1857.5	1880	1902.5
15M	QPSK	1	0	23.33	23.55	23.45
		1	37	23.22	23.33	23.35
		1	74	23.23	23.34	23.26
		36	0	22.16	22.35	22.24
		36	19	22.11	22.26	22.19
		36	39	22.04	22.17	22.08
		75	0	22.14	22.16	22.17
15M	16QAM	1	0	22.41	22.58	22.53
		1	37	22.45	22.54	22.45
		1	74	22.26	22.40	22.35
		36	0	21.33	21.37	21.30
		36	19	21.25	21.28	21.29
		36	39	20.98	21.23	21.16
		75	0	21.11	21.17	21.09
15M	64QAM	1	0	21.45	21.54	21.40
		1	37	21.32	21.43	21.36
		1	74	21.25	21.38	21.29
		36	0	20.21	20.38	20.30
		36	19	20.28	20.35	20.35
		36	39	20.11	20.19	20.18
		75	0	19.99	20.13	20.14
15M	256QAM	1	0	18.30	18.36	18.31
		1	37	18.12	18.36	18.24
		1	74	18.14	18.26	18.16
		36	0	18.09	18.23	18.19
		36	19	18.05	18.25	18.11
		36	39	18.07	18.14	18.09
		75	0	18.10	18.18	18.07

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18650	18900	19150
		Frequency (MHz)		1855	1880	1905
10M	QPSK	1	0	23.36	23.54	23.48
		1	24	23.18	23.37	23.27
		1	49	23.28	23.30	23.22
		25	0	22.18	22.29	22.30
		25	12	22.10	22.24	22.15
		25	25	22.08	22.10	22.11
		50	0	22.15	22.25	22.13
10M	16QAM	1	0	22.44	22.53	22.53
		1	24	22.39	22.45	22.39
		1	49	22.21	22.45	22.32
		25	0	21.25	21.40	21.35
		25	12	21.16	21.35	21.22
		25	25	20.98	21.24	21.13
		50	0	21.03	21.16	21.13
10M	64QAM	1	0	21.46	21.51	21.44
		1	24	21.32	21.46	21.44
		1	49	21.28	21.32	21.32
		25	0	20.24	20.40	20.29
		25	12	20.28	20.33	20.27
		25	25	20.09	20.18	20.16
		50	0	20.04	20.22	20.13
10M	256QAM	1	0	18.31	18.41	18.26
		1	24	18.13	18.37	18.21
		1	49	18.16	18.22	18.19
		25	0	18.09	18.30	18.20
		25	12	18.08	18.15	18.13
		25	25	18.07	18.17	18.09
		50	0	18.03	18.18	18.11

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18625	18900	19175
		Frequency (MHz)		1852.5	1880	1907.5
5M	QPSK	1	0	23.33	23.48	23.45
		1	12	23.25	23.33	23.27
		1	24	23.26	23.30	23.22
		12	0	22.18	22.36	22.29
		12	6	22.10	22.22	22.18
		12	13	22.03	22.17	22.09
		25	0	22.17	22.18	22.18
5M	16QAM	1	0	22.42	22.57	22.51
		1	12	22.46	22.50	22.43
		1	24	22.25	22.36	22.27
		12	0	21.28	21.37	21.28
		12	6	21.26	21.28	21.22
		12	13	21.06	21.19	21.17
		25	0	21.02	21.18	21.11
5M	64QAM	1	0	21.40	21.48	21.43
		1	12	21.32	21.47	21.43
		1	24	21.30	21.38	21.34
		12	0	20.27	20.36	20.28
		12	6	20.28	20.29	20.35
		12	13	20.15	20.16	20.21
		25	0	20.02	20.19	20.10
5M	256QAM	1	0	18.32	18.35	18.35
		1	12	18.19	18.32	18.20
		1	24	18.09	18.20	18.19
		12	0	18.12	18.28	18.19
		12	6	18.01	18.15	18.09
		12	13	18.02	18.13	18.08
		25	0	18.04	18.13	18.05

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18615	18900	19185
		Frequency (MHz)		1851.5	1880	1908.5
3M	QPSK	1	0	23.43	23.51	23.47
		1	7	23.23	23.33	23.28
		1	14	23.28	23.30	23.29
		8	0	22.23	22.33	22.32
		8	3	22.08	22.20	22.21
		8	7	22.06	22.10	22.06
		15	0	22.11	22.24	22.11
3M	16QAM	1	0	22.45	22.60	22.52
		1	7	22.41	22.49	22.41
		1	14	22.21	22.35	22.27
		8	0	21.28	21.39	21.34
		8	3	21.22	21.36	21.26
		8	7	21.05	21.22	21.17
		15	0	21.06	21.19	21.15
3M	64QAM	1	0	21.45	21.45	21.46
		1	7	21.35	21.48	21.43
		1	14	21.24	21.37	21.37
		8	0	20.23	20.43	20.28
		8	3	20.34	20.26	20.33
		8	7	20.16	20.22	20.19
		15	0	20.03	20.16	20.10
3M	256QAM	1	0	18.29	18.45	18.29
		1	7	18.17	18.36	18.25
		1	14	18.15	18.19	18.22
		8	0	18.12	18.29	18.22
		8	3	18.03	18.23	18.16
		8	7	17.99	18.18	18.16
		15	0	18.09	18.11	18.03

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18607	18900	19193
		Frequency (MHz)		1850.7	1880	1909.3
1.4M	QPSK	1	0	23.42	23.54	23.42
		1	2	23.18	23.42	23.31
		1	5	23.28	23.25	23.31
		3	0	23.23	23.36	23.28
		3	1	23.13	23.27	23.14
		3	3	23.04	23.13	23.06
		6	0	22.17	22.21	22.12
1.4M	16QAM	1	0	22.51	22.53	22.51
		1	2	22.43	22.53	22.44
		1	5	22.20	22.45	22.26
		3	0	22.25	22.38	22.37
		3	1	22.24	22.29	22.28
		3	3	22.03	22.25	22.08
		6	0	21.11	21.17	21.17
1.4M	64QAM	1	0	21.44	21.45	21.43
		1	2	21.38	21.42	21.41
		1	5	21.29	21.36	21.38
		3	0	21.23	21.42	21.30
		3	1	21.29	21.33	21.28
		3	3	21.11	21.24	21.13
		6	0	20.07	20.14	20.05
1.4M	256QAM	1	0	18.25	18.44	18.35
		1	2	18.18	18.37	18.18
		1	5	18.12	18.21	18.20
		3	0	18.12	18.23	18.18
		3	1	18.09	18.19	18.10
		3	3	18.03	18.11	18.09
		6	0	18.01	18.16	18.11

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

7.1.5 LTE Band 4

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20050	20175	20300
		Frequency (MHz)		1720	1732.5	1745
20M	QPSK	1	0	23.25	23.32	23.22
		1	50	23.20	23.22	23.15
		1	99	23.12	23.14	23.04
		50	0	22.05	22.15	21.98
		50	25	21.94	22.03	21.92
		50	50	21.86	21.92	21.79
		100	0	21.89	21.95	21.81
20M	16QAM	1	0	22.03	22.12	21.97
		1	50	22.04	22.05	22.02
		1	99	21.96	21.96	21.87
		50	0	21.07	21.15	20.97
		50	25	20.96	21.06	20.87
		50	50	20.98	20.98	20.96
		100	0	20.93	21.01	20.85
20M	64QAM	1	0	21.15	21.22	21.11
		1	50	21.08	21.09	20.98
		1	99	21.00	21.01	20.97
		50	0	20.15	20.15	20.10
		50	25	20.04	20.05	19.94
		50	50	19.94	19.98	19.84
		100	0	19.94	19.96	19.89
20M	256QAM	1	0	18.28	18.30	18.22
		1	50	18.20	18.22	18.12
		1	99	18.12	18.13	18.07
		50	0	18.09	18.11	18.00
		50	25	17.98	18.02	17.89
		50	50	17.91	17.94	17.84
		100	0	17.99	17.99	17.92

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20025	20175	20325
		Frequency (MHz)		1717.5	1732.5	1747.5
15M	QPSK	1	0	23.22	23.26	23.22
		1	37	23.10	23.15	23.07
		1	74	23.11	23.10	23.01
		36	0	21.96	22.13	21.92
		36	19	21.87	21.96	21.84
		36	39	21.81	21.86	21.77
		75	0	21.86	21.87	21.71
15M	16QAM	1	0	21.94	22.04	21.92
		1	37	22.00	22.04	21.95
		1	74	21.94	21.86	21.79
		36	0	21.04	21.06	20.93
		36	19	20.91	21.01	20.86
		36	39	20.90	20.94	20.90
		75	0	20.91	20.91	20.80
15M	64QAM	1	0	21.07	21.16	21.09
		1	37	21.02	20.99	20.98
		1	74	20.94	20.91	20.95
		36	0	20.12	20.10	20.10
		36	19	19.97	19.99	19.88
		36	39	19.86	19.88	19.74
		75	0	19.93	19.96	19.85
15M	256QAM	1	0	18.20	18.29	18.17
		1	37	18.14	18.20	18.09
		1	74	18.10	18.12	18.04
		36	0	18.07	18.05	17.93
		36	19	17.89	17.92	17.89
		36	39	17.84	17.93	17.77
		75	0	17.98	17.89	17.83

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20000	20175	20350
		Frequency (MHz)		1715	1732.5	1750
10M	QPSK	1	0	23.20	23.29	23.18
		1	24	23.20	23.16	23.14
		1	49	23.06	23.12	22.96
		25	0	21.99	22.08	21.97
		25	12	21.85	21.98	21.91
		25	25	21.77	21.83	21.75
		50	0	21.88	21.95	21.73
10M	16QAM	1	0	22.02	22.09	21.89
		1	24	22.01	22.01	22.02
		1	49	21.88	21.89	21.84
		25	0	21.03	21.10	20.92
		25	12	20.89	21.03	20.83
		25	25	20.90	20.92	20.90
		50	0	20.86	20.98	20.76
10M	64QAM	1	0	21.11	21.13	21.11
		1	24	21.02	21.09	20.97
		1	49	20.90	21.01	20.92
		25	0	20.05	20.12	20.03
		25	12	20.02	19.98	19.88
		25	25	19.89	19.89	19.75
		50	0	19.89	19.96	19.89
10M	256QAM	1	0	18.19	18.30	18.12
		1	24	18.20	18.20	18.03
		1	49	18.04	18.06	18.06
		25	0	18.06	18.02	17.92
		25	12	17.98	17.99	17.82
		25	25	17.82	17.88	17.78
		50	0	17.98	17.98	17.89

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		19975	20175	20375
		Frequency (MHz)		1712.5	1732.5	1752.5
5M	QPSK	1	0	23.15	23.29	23.14
		1	12	23.13	23.12	23.06
		1	24	23.10	23.11	23.02
		12	0	21.96	22.08	21.94
		12	6	21.85	22.01	21.84
		12	13	21.85	21.83	21.74
		25	0	21.88	21.87	21.80
5M	16QAM	1	0	21.97	22.11	21.92
		1	12	21.99	22.01	21.94
		1	24	21.90	21.91	21.80
		12	0	20.98	21.05	20.89
		12	6	20.87	21.05	20.78
		12	13	20.98	20.89	20.92
		25	0	20.85	20.99	20.77
5M	64QAM	1	0	21.06	21.13	21.05
		1	12	21.06	20.99	20.89
		1	24	20.97	20.97	20.89
		12	0	20.14	20.05	20.01
		12	6	19.96	19.97	19.92
		12	13	19.89	19.98	19.76
		25	0	19.86	19.96	19.79
5M	256QAM	1	0	18.27	18.30	18.20
		1	12	18.10	18.12	18.12
		1	24	18.04	18.10	18.00
		12	0	18.09	18.10	17.91
		12	6	17.91	17.99	17.82
		12	13	17.86	17.91	17.75
		25	0	17.94	17.91	17.87

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		19965	20175	20385
		Frequency (MHz)		1711.5	1732.5	1753.5
3M	QPSK	1	0	23.15	23.26	23.21
		1	7	23.11	23.22	23.10
		1	14	23.10	23.10	23.03
		8	0	22.03	22.05	21.93
		8	3	21.88	22.03	21.84
		8	7	21.85	21.90	21.72
		15	0	21.84	21.88	21.76
3M	16QAM	1	0	21.97	22.04	21.96
		1	7	22.03	21.99	21.95
		1	14	21.95	21.89	21.83
		8	0	20.97	21.07	20.94
		8	3	20.94	21.04	20.87
		8	7	20.88	20.93	20.88
		15	0	20.85	20.94	20.80
3M	64QAM	1	0	21.11	21.14	21.04
		1	7	20.99	20.99	20.88
		1	14	20.95	20.94	20.95
		8	0	20.10	20.10	20.06
		8	3	20.04	19.97	19.86
		8	7	19.88	19.97	19.75
		15	0	19.87	19.95	19.88
3M	256QAM	1	0	18.20	18.25	18.15
		1	7	18.15	18.19	18.08
		1	14	18.04	18.12	18.00
		8	0	18.05	18.06	17.95
		8	3	17.90	17.95	17.87
		8	7	17.83	17.90	17.84
		15	0	17.94	17.93	17.92

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		19957	20175	20393
		Frequency (MHz)		1710.7	1732.5	1754.3
1.4M	QPSK	1	0	23.23	23.22	23.21
		1	2	23.17	23.20	23.08
		1	5	23.08	23.10	22.94
		3	0	23.01	23.07	22.94
		3	1	22.91	22.98	22.87
		3	3	22.85	22.86	22.77
		6	0	21.87	21.88	21.81
1.4M	16QAM	1	0	22.00	22.03	21.93
		1	2	22.04	21.96	21.92
		1	5	21.87	21.89	21.82
		3	0	22.03	22.14	21.93
		3	1	21.92	22.06	21.84
		3	3	21.91	21.93	21.96
		6	0	20.93	20.94	20.76
1.4M	64QAM	1	0	21.08	21.12	21.02
		1	2	21.08	20.99	20.89
		1	5	20.93	20.92	20.93
		3	0	21.08	21.15	21.03
		3	1	20.98	20.98	20.92
		3	3	20.90	20.95	20.75
		6	0	19.91	19.87	19.81
1.4M	256QAM	1	0	18.18	18.25	18.14
		1	2	18.12	18.14	18.12
		1	5	18.02	18.10	17.99
		3	0	18.05	18.06	17.95
		3	1	17.92	18.01	17.87
		3	3	17.81	17.89	17.81
		6	0	17.98	17.92	17.91

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20050	20175	20300
		Frequency (MHz)		1720	1732.5	1745
20M	QPSK	1	0	23.15	23.22	23.12
		1	50	23.10	23.12	23.05
		1	99	23.02	23.04	22.94
		50	0	21.95	22.05	21.88
		50	25	21.84	21.93	21.82
		50	50	21.76	21.82	21.69
		100	0	21.79	21.85	21.71
20M	16QAM	1	0	21.93	22.02	21.87
		1	50	21.94	21.95	21.92
		1	99	21.86	21.86	21.77
		50	0	20.97	21.05	20.87
		50	25	20.86	20.96	20.77
		50	50	20.88	20.88	20.86
		100	0	20.83	20.91	20.75
20M	64QAM	1	0	21.05	21.12	21.01
		1	50	20.98	20.99	20.88
		1	99	20.90	20.91	20.87
		50	0	20.05	20.05	20.00
		50	25	19.94	19.95	19.84
		50	50	19.84	19.88	19.74
		100	0	19.84	19.86	19.79
20M	256QAM	1	0	18.18	18.20	18.12
		1	50	18.10	18.12	18.02
		1	99	18.02	18.03	17.97
		50	0	17.99	18.01	17.90
		50	25	17.88	17.92	17.79
		50	50	17.81	17.84	17.74
		100	0	17.89	17.89	17.82

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20025	20175	20325
		Frequency (MHz)		1717.5	1732.5	1747.5
15M	QPSK	1	0	23.12	23.16	23.12
		1	37	23.00	23.05	22.97
		1	74	23.01	23.00	22.91
		36	0	21.86	22.03	21.82
		36	19	21.77	21.86	21.74
		36	39	21.71	21.76	21.67
		75	0	21.76	21.77	21.61
15M	16QAM	1	0	21.84	21.94	21.82
		1	37	21.90	21.94	21.85
		1	74	21.84	21.76	21.69
		36	0	20.94	20.96	20.83
		36	19	20.81	20.91	20.76
		36	39	20.80	20.84	20.80
		75	0	20.81	20.81	20.70
15M	64QAM	1	0	20.97	21.06	20.99
		1	37	20.92	20.89	20.88
		1	74	20.84	20.81	20.85
		36	0	20.02	20.00	20.00
		36	19	19.87	19.89	19.78
		36	39	19.76	19.78	19.64
		75	0	19.83	19.86	19.75
15M	256QAM	1	0	18.10	18.19	18.07
		1	37	18.04	18.10	17.99
		1	74	18.00	18.02	17.94
		36	0	17.97	17.95	17.83
		36	19	17.79	17.82	17.79
		36	39	17.74	17.83	17.67
		75	0	17.88	17.79	17.73

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20000	20175	20350
		Frequency (MHz)		1715	1732.5	1750
10M	QPSK	1	0	23.10	23.19	23.08
		1	24	23.10	23.06	23.04
		1	49	22.96	23.02	22.86
		25	0	21.89	21.98	21.87
		25	12	21.75	21.88	21.81
		25	25	21.67	21.73	21.65
		50	0	21.78	21.85	21.63
10M	16QAM	1	0	21.92	21.99	21.79
		1	24	21.91	21.91	21.92
		1	49	21.78	21.79	21.74
		25	0	20.93	21.00	20.82
		25	12	20.79	20.93	20.73
		25	25	20.80	20.82	20.80
		50	0	20.76	20.88	20.66
10M	64QAM	1	0	21.01	21.03	21.01
		1	24	20.92	20.99	20.87
		1	49	20.80	20.91	20.82
		25	0	19.95	20.02	19.93
		25	12	19.92	19.88	19.78
		25	25	19.79	19.79	19.65
		50	0	19.79	19.86	19.79
10M	256QAM	1	0	18.09	18.20	18.02
		1	24	18.10	18.10	17.93
		1	49	17.94	17.96	17.96
		25	0	17.96	17.92	17.82
		25	12	17.88	17.89	17.72
		25	25	17.72	17.78	17.68
		50	0	17.88	17.88	17.79

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		19975	20175	20375
		Frequency (MHz)		1712.5	1732.5	1752.5
5M	QPSK	1	0	23.05	23.19	23.04
		1	12	23.03	23.02	22.96
		1	24	23.00	23.01	22.92
		12	0	21.86	21.98	21.84
		12	6	21.75	21.91	21.74
		12	13	21.75	21.73	21.64
		25	0	21.78	21.77	21.70
5M	16QAM	1	0	21.87	22.01	21.82
		1	12	21.89	21.91	21.84
		1	24	21.80	21.81	21.70
		12	0	20.88	20.95	20.79
		12	6	20.77	20.95	20.68
		12	13	20.88	20.79	20.82
		25	0	20.75	20.89	20.67
5M	64QAM	1	0	20.96	21.03	20.95
		1	12	20.96	20.89	20.79
		1	24	20.87	20.87	20.79
		12	0	20.04	19.95	19.91
		12	6	19.86	19.87	19.82
		12	13	19.79	19.88	19.66
		25	0	19.76	19.86	19.69
5M	256QAM	1	0	18.17	18.20	18.10
		1	12	18.00	18.02	18.02
		1	24	17.94	18.00	17.90
		12	0	17.99	18.00	17.81
		12	6	17.81	17.89	17.72
		12	13	17.76	17.81	17.65
		25	0	17.84	17.81	17.77

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		19965	20175	20385
		Frequency (MHz)		1711.5	1732.5	1753.5
3M	QPSK	1	0	23.05	23.16	23.11
		1	7	23.01	23.12	23.00
		1	14	23.00	23.00	22.93
		8	0	21.93	21.95	21.83
		8	3	21.78	21.93	21.74
		8	7	21.75	21.80	21.62
		15	0	21.74	21.78	21.66
3M	16QAM	1	0	21.87	21.94	21.86
		1	7	21.93	21.89	21.85
		1	14	21.85	21.79	21.73
		8	0	20.87	20.97	20.84
		8	3	20.84	20.94	20.77
		8	7	20.78	20.83	20.78
		15	0	20.75	20.84	20.70
3M	64QAM	1	0	21.01	21.04	20.94
		1	7	20.89	20.89	20.78
		1	14	20.85	20.84	20.85
		8	0	20.00	20.00	19.96
		8	3	19.94	19.87	19.76
		8	7	19.78	19.87	19.65
		15	0	19.77	19.85	19.78
3M	256QAM	1	0	18.10	18.15	18.05
		1	7	18.05	18.09	17.98
		1	14	17.94	18.02	17.90
		8	0	17.95	17.96	17.85
		8	3	17.80	17.85	17.77
		8	7	17.73	17.80	17.74
		15	0	17.84	17.83	17.82

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		19957	20175	20393
		Frequency (MHz)		1710.7	1732.5	1754.3
1.4M	QPSK	1	0	23.13	23.12	23.11
		1	2	23.07	23.10	22.98
		1	5	22.98	23.00	22.84
		3	0	22.91	22.97	22.84
		3	1	22.81	22.88	22.77
		3	3	22.75	22.76	22.67
		6	0	21.77	21.78	21.71
1.4M	16QAM	1	0	21.90	21.93	21.83
		1	2	21.94	21.86	21.82
		1	5	21.77	21.79	21.72
		3	0	21.93	22.04	21.83
		3	1	21.82	21.96	21.74
		3	3	21.81	21.83	21.86
		6	0	20.83	20.84	20.66
1.4M	64QAM	1	0	20.98	21.02	20.92
		1	2	20.98	20.89	20.79
		1	5	20.83	20.82	20.83
		3	0	20.98	21.05	20.93
		3	1	20.88	20.88	20.82
		3	3	20.80	20.85	20.65
		6	0	19.81	19.77	19.71
1.4M	256QAM	1	0	18.08	18.15	18.04
		1	2	18.02	18.04	18.02
		1	5	17.92	18.00	17.89
		3	0	17.95	17.96	17.85
		3	1	17.82	17.91	17.77
		3	3	17.71	17.79	17.71
		6	0	17.88	17.82	17.81

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

7.1.6 LTE Band 5

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20450	20525	20600
		Frequency (MHz)		829	836.5	844
10M	QPSK	1	0	23.12	23.33	23.23
		1	24	23.04	23.21	23.13
		1	49	22.91	23.02	22.97
		25	0	22.06	22.21	22.11
		25	12	22.00	22.12	22.07
		25	25	21.93	22.05	22.01
		50	0	21.96	22.04	22.02
10M	16QAM	1	0	22.13	22.32	22.23
		1	24	22.14	22.23	22.19
		1	49	22.05	22.18	22.12
		25	0	21.07	21.18	21.12
		25	12	21.03	21.09	21.09
		25	25	20.94	21.04	21.04
		50	0	21.01	21.08	21.05
10M	64QAM	1	0	21.29	21.37	21.34
		1	24	21.20	21.29	21.29
		1	49	21.09	21.16	21.13
		25	0	20.17	20.31	20.23
		25	12	20.16	20.23	20.23
		25	25	20.04	20.12	20.11
		50	0	20.05	20.13	20.10
10M	256QAM	1	0	18.28	18.32	18.31
		1	24	18.10	18.24	18.17
		1	49	18.05	18.15	18.09
		25	0	18.04	18.22	18.13
		25	12	17.99	18.11	18.01
		25	25	17.93	18.05	18.01
		50	0	18.03	18.08	18.04

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20425	20525	20625
		Frequency (MHz)		826.5	836.5	846.5
5M	QPSK	1	0	23.04	23.23	23.22
		1	12	22.97	23.21	23.05
		1	24	22.86	22.98	22.95
		12	0	21.98	22.14	22.03
		12	6	21.99	22.05	21.98
		12	13	21.85	22.01	22.01
		25	0	21.94	22.04	22.02
5M	16QAM	1	0	22.04	22.23	22.21
		1	12	22.13	22.14	22.18
		1	24	22.05	22.16	22.11
		12	0	21.00	21.17	21.09
		12	6	20.97	21.06	21.08
		12	13	20.84	20.95	20.97
		25	0	20.91	20.99	21.01
5M	64QAM	1	0	21.22	21.27	21.29
		1	12	21.15	21.27	21.23
		1	24	20.99	21.09	21.05
		12	0	20.16	20.28	20.18
		12	6	20.15	20.19	20.15
		12	13	19.99	20.12	20.09
		25	0	20.03	20.12	20.03
5M	256QAM	1	0	18.22	18.24	18.28
		1	12	18.09	18.15	18.11
		1	24	17.97	18.11	18.03
		12	0	17.95	18.22	18.11
		12	6	17.92	18.04	17.91
		12	13	17.84	17.96	17.94
		25	0	17.97	18.04	18.04

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20415	20525	20635
		Frequency (MHz)		825.5	836.5	847.5
3M	QPSK	1	0	23.04	23.30	23.22
		1	7	23.02	23.15	23.05
		1	14	22.89	22.92	22.96
		8	0	22.01	22.14	22.07
		8	3	21.97	22.10	22.07
		8	7	21.89	22.01	21.94
		15	0	21.93	22.03	21.92
3M	16QAM	1	0	22.09	22.28	22.17
		1	7	22.14	22.21	22.11
		1	14	22.05	22.13	22.10
		8	0	21.06	21.17	21.12
		8	3	21.02	21.05	21.03
		8	7	20.93	20.98	20.94
		15	0	20.93	21.05	21.02
3M	64QAM	1	0	21.29	21.31	21.32
		1	7	21.10	21.20	21.20
		1	14	20.99	21.16	21.06
		8	0	20.13	20.29	20.21
		8	3	20.16	20.19	20.16
		8	7	20.01	20.06	20.11
		15	0	20.05	20.04	20.08
3M	256QAM	1	0	18.25	18.28	18.26
		1	7	18.00	18.18	18.09
		1	14	17.96	18.15	18.05
		8	0	18.01	18.15	18.12
		8	3	17.93	18.01	17.99
		8	7	17.86	17.96	17.94
		15	0	18.03	18.07	18.00

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20407	20525	20643
		Frequency (MHz)		824.7	836.5	848.3
1.4M	QPSK	1	0	23.07	23.24	23.21
		1	2	23.00	23.14	23.11
		1	5	22.86	22.96	22.95
		3	0	23.06	23.18	23.06
		3	1	22.99	23.06	23.07
		3	3	22.88	23.04	22.96
		6	0	21.93	21.98	21.97
1.4M	16QAM	1	0	22.07	22.31	22.15
		1	2	22.14	22.22	22.10
		1	5	22.03	22.09	22.06
		3	0	22.00	22.12	22.12
		3	1	22.00	21.99	22.05
		3	3	21.94	21.95	21.94
		6	0	20.98	21.02	21.05
1.4M	64QAM	1	0	21.25	21.31	21.29
		1	2	21.17	21.25	21.19
		1	5	21.02	21.16	21.05
		3	0	21.12	21.22	21.14
		3	1	21.16	21.16	21.19
		3	3	21.00	21.11	21.01
		6	0	19.95	20.03	20.01
1.4M	256QAM	1	0	18.19	18.25	18.31
		1	2	18.10	18.23	18.12
		1	5	17.95	18.06	18.06
		3	0	17.94	18.14	18.05
		3	1	17.93	18.07	17.92
		3	3	17.87	17.98	17.95
		6	0	17.96	18.06	17.98

ERP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20450	20525	20600
		Frequency (MHz)		829	836.5	844
10M	QPSK	1	0	18.17	18.38	18.28
		1	24	18.09	18.26	18.18
		1	49	17.96	18.07	18.02
		25	0	17.11	17.26	17.16
		25	12	17.05	17.17	17.12
		25	25	16.98	17.10	17.06
		50	0	17.01	17.09	17.07
10M	16QAM	1	0	17.18	17.37	17.28
		1	24	17.19	17.28	17.24
		1	49	17.10	17.23	17.17
		25	0	16.12	16.23	16.17
		25	12	16.08	16.14	16.14
		25	25	15.99	16.09	16.09
		50	0	16.06	16.13	16.10
10M	64QAM	1	0	16.34	16.42	16.39
		1	24	16.25	16.34	16.34
		1	49	16.14	16.21	16.18
		25	0	15.22	15.36	15.28
		25	12	15.21	15.28	15.28
		25	25	15.09	15.17	15.16
		50	0	15.10	15.18	15.15
10M	256QAM	1	0	13.33	13.37	13.36
		1	24	13.15	13.29	13.22
		1	49	13.10	13.20	13.14
		25	0	13.09	13.27	13.18
		25	12	13.04	13.16	13.06
		25	25	12.98	13.10	13.06
		50	0	13.08	13.13	13.09

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20425	20525	20625
		Frequency (MHz)		826.5	836.5	846.5
5M	QPSK	1	0	18.09	18.28	18.27
		1	12	18.02	18.26	18.10
		1	24	17.91	18.03	18.00
		12	0	17.03	17.19	17.08
		12	6	17.04	17.10	17.03
		12	13	16.90	17.06	17.06
		25	0	16.99	17.09	17.07
5M	16QAM	1	0	17.09	17.28	17.26
		1	12	17.18	17.19	17.23
		1	24	17.10	17.21	17.16
		12	0	16.05	16.22	16.14
		12	6	16.02	16.11	16.13
		12	13	15.89	16.00	16.02
		25	0	15.96	16.04	16.06
5M	64QAM	1	0	16.27	16.32	16.34
		1	12	16.20	16.32	16.28
		1	24	16.04	16.14	16.10
		12	0	15.21	15.33	15.23
		12	6	15.20	15.24	15.20
		12	13	15.04	15.17	15.14
		25	0	15.08	15.17	15.08
5M	256QAM	1	0	13.27	13.29	13.33
		1	12	13.14	13.20	13.16
		1	24	13.02	13.16	13.08
		12	0	13.00	13.27	13.16
		12	6	12.97	13.09	12.96
		12	13	12.89	13.01	12.99
		25	0	13.02	13.09	13.09

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20415	20525	20635
		Frequency (MHz)		825.5	836.5	847.5
3M	QPSK	1	0	18.09	18.35	18.27
		1	7	18.07	18.20	18.10
		1	14	17.94	17.97	18.01
		8	0	17.06	17.19	17.12
		8	3	17.02	17.15	17.12
		8	7	16.94	17.06	16.99
		15	0	16.98	17.08	16.97
3M	16QAM	1	0	17.14	17.33	17.22
		1	7	17.19	17.26	17.16
		1	14	17.10	17.18	17.15
		8	0	16.11	16.22	16.17
		8	3	16.07	16.10	16.08
		8	7	15.98	16.03	15.99
		15	0	15.98	16.10	16.07
3M	64QAM	1	0	16.34	16.36	16.37
		1	7	16.15	16.25	16.25
		1	14	16.04	16.21	16.11
		8	0	15.18	15.34	15.26
		8	3	15.21	15.24	15.21
		8	7	15.06	15.11	15.16
		15	0	15.10	15.09	15.13
3M	256QAM	1	0	13.30	13.33	13.31
		1	7	13.05	13.23	13.14
		1	14	13.01	13.20	13.10
		8	0	13.06	13.20	13.17
		8	3	12.98	13.06	13.04
		8	7	12.91	13.01	12.99
		15	0	13.08	13.12	13.05

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20407	20525	20643
		Frequency (MHz)		824.7	836.5	848.3
1.4M	QPSK	1	0	18.12	18.29	18.26
		1	2	18.05	18.19	18.16
		1	5	17.91	18.01	18.00
		3	0	18.11	18.23	18.11
		3	1	18.04	18.11	18.12
		3	3	17.93	18.09	18.01
		6	0	16.98	17.03	17.02
1.4M	16QAM	1	0	17.12	17.36	17.20
		1	2	17.19	17.27	17.15
		1	5	17.08	17.14	17.11
		3	0	17.05	17.17	17.17
		3	1	17.05	17.04	17.10
		3	3	16.99	17.00	16.99
		6	0	16.03	16.07	16.10
1.4M	64QAM	1	0	16.30	16.36	16.34
		1	2	16.22	16.30	16.24
		1	5	16.07	16.21	16.10
		3	0	16.17	16.27	16.19
		3	1	16.21	16.21	16.24
		3	3	16.05	16.16	16.06
		6	0	15.00	15.08	15.06
1.4M	256QAM	1	0	13.24	13.30	13.36
		1	2	13.15	13.28	13.17
		1	5	13.00	13.11	13.11
		3	0	12.99	13.19	13.10
		3	1	12.98	13.12	12.97
		3	3	12.92	13.03	13.00
		6	0	13.01	13.11	13.03

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

7.1.7 LTE Band 7

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20850	21100	21350
		Frequency (MHz)		2510	2535	2560
20M	QPSK	1	0	23.35	23.47	23.23
		1	50	23.24	23.33	23.15
		1	99	22.97	23.21	22.96
		50	0	22.19	22.32	22.13
		50	25	22.13	22.25	22.08
		50	50	21.90	22.17	21.83
		100	0	21.96	22.21	21.90
20M	16QAM	1	0	22.27	22.45	22.27
		1	50	22.23	22.32	22.22
		1	99	22.12	22.22	22.05
		50	0	21.24	21.37	21.20
		50	25	21.15	21.28	21.11
		50	50	21.04	21.20	20.97
		100	0	21.02	21.16	20.95
20M	64QAM	1	0	21.41	21.46	21.35
		1	50	21.23	21.38	21.22
		1	99	21.11	21.25	21.07
		50	0	20.21	20.35	20.13
		50	25	20.08	20.27	20.04
		50	50	20.11	20.19	20.05
		100	0	20.03	20.23	20.01
20M	256QAM	1	0	18.27	18.47	18.24
		1	50	18.12	18.37	18.10
		1	99	18.15	18.28	18.08
		50	0	18.17	18.27	18.13
		50	25	18.04	18.21	18.03
		50	50	18.00	18.13	17.95
		100	0	18.03	18.22	17.99

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20825	21100	21375
		Frequency (MHz)		2507.5	2535	2562.5
15M	QPSK	1	0	23.35	23.40	23.23
		1	37	23.21	23.31	23.12
		1	74	22.91	23.21	22.91
		36	0	22.12	22.29	22.10
		36	19	22.11	22.18	22.07
		36	39	21.90	22.14	21.75
		75	0	21.88	22.14	21.83
15M	16QAM	1	0	22.17	22.38	22.19
		1	37	22.23	22.24	22.12
		1	74	22.02	22.12	22.03
		36	0	21.18	21.34	21.15
		36	19	21.12	21.20	21.07
		36	39	20.95	21.18	20.95
		75	0	21.00	21.15	20.92
15M	64QAM	1	0	21.34	21.41	21.28
		1	37	21.21	21.28	21.15
		1	74	21.07	21.21	21.02
		36	0	20.18	20.33	20.13
		36	19	19.99	20.27	20.00
		36	39	20.03	20.15	20.02
		75	0	19.94	20.22	19.95
15M	256QAM	1	0	18.22	18.41	18.20
		1	37	18.08	18.32	18.00
		1	74	18.14	18.28	18.04
		36	0	18.17	18.25	18.07
		36	19	18.00	18.13	17.96
		36	39	17.91	18.09	17.94
		75	0	17.95	18.22	17.94

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20800	21100	21400
		Frequency (MHz)		2505	2535	2565
10M	QPSK	1	0	23.28	23.42	23.18
		1	24	23.23	23.27	23.09
		1	49	22.94	23.15	22.95
		25	0	22.12	22.26	22.04
		25	12	22.12	22.19	22.07
		25	25	21.86	22.13	21.80
		50	0	21.92	22.14	21.85
10M	16QAM	1	0	22.26	22.42	22.27
		1	24	22.16	22.26	22.12
		1	49	22.11	22.17	21.98
		25	0	21.20	21.32	21.20
		25	12	21.07	21.22	21.01
		25	25	20.95	21.14	20.90
		50	0	21.01	21.12	20.91
10M	64QAM	1	0	21.36	21.45	21.31
		1	24	21.14	21.28	21.18
		1	49	21.02	21.22	21.01
		25	0	20.15	20.35	20.05
		25	12	20.00	20.20	19.94
		25	25	20.11	20.14	20.03
		50	0	19.95	20.18	19.97
10M	256QAM	1	0	18.19	18.46	18.22
		1	24	18.05	18.30	18.07
		1	49	18.07	18.26	18.05
		25	0	18.12	18.26	18.04
		25	12	17.96	18.13	18.00
		25	25	17.95	18.04	17.95
		50	0	17.96	18.15	17.99

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20775	21100	21425
		Frequency (MHz)		2502.5	2535	2567.5
5M	QPSK	1	0	23.28	23.46	23.15
		1	12	23.17	23.24	23.15
		1	24	22.93	23.16	22.86
		12	0	22.17	22.23	22.07
		12	6	22.06	22.20	21.98
		12	13	21.81	22.17	21.80
		25	0	21.87	22.20	21.81
5M	16QAM	1	0	22.23	22.45	22.27
		1	12	22.18	22.31	22.19
		1	24	22.05	22.14	21.97
		12	0	21.19	21.36	21.14
		12	6	21.11	21.24	21.08
		12	13	21.02	21.11	20.90
		25	0	21.00	21.12	20.87
5M	64QAM	1	0	21.35	21.43	21.29
		1	12	21.19	21.36	21.20
		1	24	21.04	21.17	21.07
		12	0	20.13	20.29	20.05
		12	6	20.00	20.20	19.96
		12	13	20.11	20.15	19.99
		25	0	20.02	20.23	19.93
5M	256QAM	1	0	18.17	18.44	18.22
		1	12	18.11	18.33	18.08
		1	24	18.12	18.24	18.03
		12	0	18.16	18.18	18.07
		12	6	18.03	18.17	17.96
		12	13	17.96	18.13	17.93
		25	0	17.94	18.21	17.91

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20850	21100	21350
		Frequency (MHz)		2510	2535	2560
20M	QPSK	1	0	20.85	20.97	20.73
		1	50	20.74	20.83	20.65
		1	99	20.47	20.71	20.46
		50	0	19.69	19.82	19.63
		50	25	19.63	19.75	19.58
		50	50	19.40	19.67	19.33
		100	0	19.46	19.71	19.40
20M	16QAM	1	0	19.77	19.95	19.77
		1	50	19.73	19.82	19.72
		1	99	19.62	19.72	19.55
		50	0	18.74	18.87	18.70
		50	25	18.65	18.78	18.61
		50	50	18.54	18.70	18.47
		100	0	18.52	18.66	18.45
20M	64QAM	1	0	18.91	18.96	18.85
		1	50	18.73	18.88	18.72
		1	99	18.61	18.75	18.57
		50	0	17.71	17.85	17.63
		50	25	17.58	17.77	17.54
		50	50	17.61	17.69	17.55
		100	0	17.53	17.73	17.51
20M	256QAM	1	0	15.77	15.97	15.74
		1	50	15.62	15.87	15.60
		1	99	15.65	15.78	15.58
		50	0	15.67	15.77	15.63
		50	25	15.54	15.71	15.53
		50	50	15.50	15.63	15.45
		100	0	15.53	15.72	15.49

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20825	21100	21375
		Frequency (MHz)		2507.5	2535	2562.5
15M	QPSK	1	0	20.85	20.90	20.73
		1	37	20.71	20.81	20.62
		1	74	20.41	20.71	20.41
		36	0	19.62	19.79	19.60
		36	19	19.61	19.68	19.57
		36	39	19.40	19.64	19.25
		75	0	19.38	19.64	19.33
15M	16QAM	1	0	19.67	19.88	19.69
		1	37	19.73	19.74	19.62
		1	74	19.52	19.62	19.53
		36	0	18.68	18.84	18.65
		36	19	18.62	18.70	18.57
		36	39	18.45	18.68	18.45
		75	0	18.50	18.65	18.42
15M	64QAM	1	0	18.84	18.91	18.78
		1	37	18.71	18.78	18.65
		1	74	18.57	18.71	18.52
		36	0	17.68	17.83	17.63
		36	19	17.49	17.77	17.50
		36	39	17.53	17.65	17.52
		75	0	17.44	17.72	17.45
15M	256QAM	1	0	15.72	15.91	15.70
		1	37	15.58	15.82	15.50
		1	74	15.64	15.78	15.54
		36	0	15.67	15.75	15.57
		36	19	15.50	15.63	15.46
		36	39	15.41	15.59	15.44
		75	0	15.45	15.72	15.44

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20800	21100	21400
		Frequency (MHz)		2505	2535	2565
10M	QPSK	1	0	20.78	20.92	20.68
		1	24	20.73	20.77	20.59
		1	49	20.44	20.65	20.45
		25	0	19.62	19.76	19.54
		25	12	19.62	19.69	19.57
		25	25	19.36	19.63	19.30
		50	0	19.42	19.64	19.35
10M	16QAM	1	0	19.76	19.92	19.77
		1	24	19.66	19.76	19.62
		1	49	19.61	19.67	19.48
		25	0	18.70	18.82	18.70
		25	12	18.57	18.72	18.51
		25	25	18.45	18.64	18.40
		50	0	18.51	18.62	18.41
10M	64QAM	1	0	18.86	18.95	18.81
		1	24	18.64	18.78	18.68
		1	49	18.52	18.72	18.51
		25	0	17.65	17.85	17.55
		25	12	17.50	17.70	17.44
		25	25	17.61	17.64	17.53
		50	0	17.45	17.68	17.47
10M	256QAM	1	0	15.69	15.96	15.72
		1	24	15.55	15.80	15.57
		1	49	15.57	15.76	15.55
		25	0	15.62	15.76	15.54
		25	12	15.46	15.63	15.50
		25	25	15.45	15.54	15.45
		50	0	15.46	15.65	15.49

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20775	21100	21425
		Frequency (MHz)		2502.5	2535	2567.5
5M	QPSK	1	0	20.78	20.96	20.65
		1	12	20.67	20.74	20.65
		1	24	20.43	20.66	20.36
		12	0	19.67	19.73	19.57
		12	6	19.56	19.70	19.48
		12	13	19.31	19.67	19.30
		25	0	19.37	19.70	19.31
5M	16QAM	1	0	19.73	19.95	19.77
		1	12	19.68	19.81	19.69
		1	24	19.55	19.64	19.47
		12	0	18.69	18.86	18.64
		12	6	18.61	18.74	18.58
		12	13	18.52	18.61	18.40
		25	0	18.50	18.62	18.37
5M	64QAM	1	0	18.85	18.93	18.79
		1	12	18.69	18.86	18.70
		1	24	18.54	18.67	18.57
		12	0	17.63	17.79	17.55
		12	6	17.50	17.70	17.46
		12	13	17.61	17.65	17.49
		25	0	17.52	17.73	17.43
5M	256QAM	1	0	15.67	15.94	15.72
		1	12	15.61	15.83	15.58
		1	24	15.62	15.74	15.53
		12	0	15.66	15.68	15.57
		12	6	15.53	15.67	15.46
		12	13	15.46	15.63	15.43
		25	0	15.44	15.71	15.41

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

7.1.8 LTE Band 12

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23060	23095	23130
		Frequency (MHz)		704	707.5	711
10M	QPSK	1	0	23.21	23.29	23.16
		1	24	23.15	23.22	23.11
		1	49	23.10	23.16	23.00
		25	0	22.20	22.24	22.17
		25	12	22.07	22.16	22.03
		25	25	22.06	22.08	22.05
		50	0	22.07	22.11	22.06
10M	16QAM	1	0	22.34	22.41	22.26
		1	24	22.29	22.33	22.26
		1	49	22.16	22.22	22.09
		25	0	21.24	21.25	21.24
		25	12	21.15	21.18	21.14
		25	25	21.06	21.09	20.96
		50	0	21.10	21.11	21.09
10M	64QAM	1	0	21.40	21.46	21.40
		1	24	21.38	21.38	21.35
		1	49	21.12	21.21	21.05
		25	0	20.27	20.36	20.26
		25	12	20.24	20.24	20.22
		25	25	20.13	20.17	20.03
		50	0	19.99	20.09	19.98
10M	256QAM	1	0	18.34	18.38	18.26
		1	24	18.23	18.27	18.16
		1	49	18.16	18.19	18.08
		25	0	18.17	18.18	18.09
		25	12	18.09	18.11	18.05
		25	25	17.94	18.04	17.84
		50	0	17.96	18.05	17.96

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23035	23095	23155
		Frequency (MHz)		701.5	707.5	713.5
5M	QPSK	1	0	23.18	23.27	23.07
		1	12	23.09	23.14	23.11
		1	24	23.02	23.12	22.99
		12	0	22.15	22.19	22.16
		12	6	21.98	22.10	21.93
		12	13	22.03	22.01	21.98
		25	0	22.00	22.02	21.99
5M	16QAM	1	0	22.28	22.39	22.16
		1	12	22.23	22.27	22.16
		1	24	22.11	22.19	22.00
		12	0	21.18	21.24	21.16
		12	6	21.08	21.17	21.05
		12	13	20.96	21.02	20.89
		25	0	21.03	21.05	21.07
5M	64QAM	1	0	21.33	21.45	21.40
		1	12	21.29	21.35	21.31
		1	24	21.02	21.19	20.97
		12	0	20.26	20.28	20.17
		12	6	20.20	20.23	20.13
		12	13	20.11	20.08	19.93
		25	0	19.96	20.01	19.88
5M	256QAM	1	0	18.32	18.34	18.17
		1	12	18.20	18.17	18.12
		1	24	18.12	18.15	18.00
		12	0	18.09	18.08	18.09
		12	6	18.00	18.06	18.04
		12	13	17.86	17.95	17.83
		25	0	17.92	18.04	17.96

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23025	23095	23165
		Frequency (MHz)		700.5	707.5	714.5
3M	QPSK	1	0	23.13	23.25	23.08
		1	7	23.09	23.19	23.09
		1	14	23.10	23.14	22.91
		8	0	22.13	22.18	22.09
		8	3	22.00	22.11	22.02
		8	7	21.98	22.02	22.01
		15	0	22.01	22.04	21.97
3M	16QAM	1	0	22.29	22.32	22.17
		1	7	22.23	22.25	22.25
		1	14	22.16	22.14	22.04
		8	0	21.23	21.20	21.22
		8	3	21.09	21.16	21.04
		8	7	21.03	21.00	20.90
		15	0	21.03	21.05	21.08
3M	64QAM	1	0	21.39	21.41	21.39
		1	7	21.29	21.33	21.34
		1	14	21.07	21.16	21.04
		8	0	20.25	20.32	20.17
		8	3	20.14	20.17	20.21
		8	7	20.11	20.07	19.97
		15	0	19.90	20.05	19.92
3M	256QAM	1	0	18.24	18.30	18.23
		1	7	18.18	18.19	18.06
		1	14	18.12	18.15	17.99
		8	0	18.11	18.16	18.09
		8	3	18.03	18.05	17.98
		8	7	17.85	17.95	17.79
		15	0	17.89	18.04	17.90

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23017	23095	23173
		Frequency (MHz)		699.7	707.5	715.3
1.4M	QPSK	1	0	23.13	23.25	23.10
		1	2	23.15	23.17	23.04
		1	5	23.02	23.15	22.94
		3	0	23.18	23.22	23.11
		3	1	23.04	23.13	23.01
		3	3	22.98	23.08	23.05
		6	0	22.05	22.10	21.97
1.4M	16QAM	1	0	22.28	22.38	22.20
		1	2	22.20	22.28	22.17
		1	5	22.15	22.18	22.06
		3	0	22.15	22.18	22.20
		3	1	22.05	22.17	22.05
		3	3	22.04	22.08	21.93
		6	0	21.06	21.10	21.09
1.4M	64QAM	1	0	21.35	21.39	21.39
		1	2	21.32	21.35	21.33
		1	5	21.04	21.19	21.05
		3	0	21.24	21.33	21.24
		3	1	21.17	21.20	21.16
		3	3	21.08	21.07	20.97
		6	0	19.91	20.09	19.92
1.4M	256QAM	1	0	18.24	18.33	18.23
		1	2	18.23	18.19	18.10
		1	5	18.14	18.17	18.07
		3	0	18.10	18.10	18.03
		3	1	18.01	18.01	18.03
		3	3	17.87	18.01	17.76
		6	0	17.90	17.98	17.92

ERP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23060	23095	23130
		Frequency (MHz)		704	707.5	711
10M	QPSK	1	0	15.56	15.64	15.51
		1	24	15.50	15.57	15.46
		1	49	15.45	15.51	15.35
		25	0	14.55	14.59	14.52
		25	12	14.42	14.51	14.38
		25	25	14.41	14.43	14.40
		50	0	14.42	14.46	14.41
10M	16QAM	1	0	14.69	14.76	14.61
		1	24	14.64	14.68	14.61
		1	49	14.51	14.57	14.44
		25	0	13.59	13.60	13.59
		25	12	13.50	13.53	13.49
		25	25	13.41	13.44	13.31
		50	0	13.45	13.46	13.44
10M	64QAM	1	0	13.75	13.81	13.75
		1	24	13.73	13.73	13.70
		1	49	13.47	13.56	13.40
		25	0	12.62	12.71	12.61
		25	12	12.59	12.59	12.57
		25	25	12.48	12.52	12.38
		50	0	12.34	12.44	12.33
10M	256QAM	1	0	10.69	10.73	10.61
		1	24	10.58	10.62	10.51
		1	49	10.51	10.54	10.43
		25	0	10.52	10.53	10.44
		25	12	10.44	10.46	10.40
		25	25	10.29	10.39	10.19
		50	0	10.31	10.40	10.31

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23035	23095	23155
		Frequency (MHz)		701.5	707.5	713.5
5M	QPSK	1	0	15.53	15.62	15.42
		1	12	15.44	15.49	15.46
		1	24	15.37	15.47	15.34
		12	0	14.50	14.54	14.51
		12	6	14.33	14.45	14.28
		12	13	14.38	14.36	14.33
		25	0	14.35	14.37	14.34
5M	16QAM	1	0	14.63	14.74	14.51
		1	12	14.58	14.62	14.51
		1	24	14.46	14.54	14.35
		12	0	13.53	13.59	13.51
		12	6	13.43	13.52	13.40
		12	13	13.31	13.37	13.24
		25	0	13.38	13.40	13.42
5M	64QAM	1	0	13.68	13.80	13.75
		1	12	13.64	13.70	13.66
		1	24	13.37	13.54	13.32
		12	0	12.61	12.63	12.52
		12	6	12.55	12.58	12.48
		12	13	12.46	12.43	12.28
		25	0	12.31	12.36	12.23
5M	256QAM	1	0	10.67	10.69	10.52
		1	12	10.55	10.52	10.47
		1	24	10.47	10.50	10.35
		12	0	10.44	10.43	10.44
		12	6	10.35	10.41	10.39
		12	13	10.21	10.30	10.18
		25	0	10.27	10.39	10.31

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23025	23095	23165
		Frequency (MHz)		700.5	707.5	714.5
3M	QPSK	1	0	15.48	15.60	15.43
		1	7	15.44	15.54	15.44
		1	14	15.45	15.49	15.26
		8	0	14.48	14.53	14.44
		8	3	14.35	14.46	14.37
		8	7	14.33	14.37	14.36
		15	0	14.36	14.39	14.32
3M	16QAM	1	0	14.64	14.67	14.52
		1	7	14.58	14.60	14.60
		1	14	14.51	14.49	14.39
		8	0	13.58	13.55	13.57
		8	3	13.44	13.51	13.39
		8	7	13.38	13.35	13.25
		15	0	13.38	13.40	13.43
3M	64QAM	1	0	13.74	13.76	13.74
		1	7	13.64	13.68	13.69
		1	14	13.42	13.51	13.39
		8	0	12.60	12.67	12.52
		8	3	12.49	12.52	12.56
		8	7	12.46	12.42	12.32
		15	0	12.25	12.40	12.27
3M	256QAM	1	0	10.59	10.65	10.58
		1	7	10.53	10.54	10.41
		1	14	10.47	10.50	10.34
		8	0	10.46	10.51	10.44
		8	3	10.38	10.40	10.33
		8	7	10.20	10.30	10.14
		15	0	10.24	10.39	10.25

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23017	23095	23173
		Frequency (MHz)		699.7	707.5	715.3
1.4M	QPSK	1	0	15.48	15.60	15.45
		1	2	15.50	15.52	15.39
		1	5	15.37	15.50	15.29
		3	0	15.53	15.57	15.46
		3	1	15.39	15.48	15.36
		3	3	15.33	15.43	15.40
		6	0	14.40	14.45	14.32
1.4M	16QAM	1	0	14.63	14.73	14.55
		1	2	14.55	14.63	14.52
		1	5	14.50	14.53	14.41
		3	0	14.50	14.53	14.55
		3	1	14.40	14.52	14.40
		3	3	14.39	14.43	14.28
		6	0	13.41	13.45	13.44
1.4M	64QAM	1	0	13.70	13.74	13.74
		1	2	13.67	13.70	13.68
		1	5	13.39	13.54	13.40
		3	0	13.59	13.68	13.59
		3	1	13.52	13.55	13.51
		3	3	13.43	13.42	13.32
		6	0	12.26	12.44	12.27
1.4M	256QAM	1	0	10.59	10.68	10.58
		1	2	10.58	10.54	10.45
		1	5	10.49	10.52	10.42
		3	0	10.45	10.45	10.38
		3	1	10.36	10.36	10.38
		3	3	10.22	10.36	10.11
		6	0	10.25	10.33	10.27

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

7.1.9 LTE Band 13

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Mid
		Channel		23230
		Frequency (MHz)		782
10M	QPSK	1	0	23.25
		1	24	23.16
		1	49	23.08
		25	0	22.25
		25	12	22.16
		25	25	22.06
		50	0	22.02
10M	16QAM	1	0	22.36
		1	24	22.25
		1	49	22.12
		25	0	21.22
		25	12	21.13
		25	25	21.05
		50	0	21.02
10M	64QAM	1	0	21.34
		1	24	21.23
		1	49	21.12
		25	0	20.21
		25	12	20.16
		25	25	20.08
		50	0	20.06
10M	256QAM	1	0	18.24
		1	24	18.18
		1	49	18.16
		25	0	18.18
		25	12	18.09
		25	25	18.02
		50	0	18.01

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23205	23230	23255
		Frequency (MHz)		779.5	782	784.5
5M	QPSK	1	0	23.21	23.16	23.19
		1	12	23.10	23.13	23.10
		1	24	23.02	23.03	23.08
		12	0	22.19	22.25	22.22
		12	6	22.13	22.08	22.06
		12	13	22.03	21.96	22.03
		25	0	21.96	21.94	21.93
5M	16QAM	1	0	22.36	22.33	22.33
		1	12	22.20	22.23	22.24
		1	24	22.04	22.06	22.04
		12	0	21.15	21.18	21.16
		12	6	21.07	21.05	21.08
		12	13	20.99	20.95	20.97
		25	0	21.02	20.92	20.95
5M	64QAM	1	0	21.28	21.30	21.30
		1	12	21.22	21.15	21.22
		1	24	21.09	21.11	21.04
		12	0	20.14	20.18	20.20
		12	6	20.08	20.14	20.09
		12	13	20.06	19.98	20.03
		25	0	19.97	20.03	20.02
5M	256QAM	1	0	18.22	18.15	18.15
		1	12	18.12	18.11	18.16
		1	24	18.08	18.16	18.10
		12	0	18.12	18.11	18.08
		12	6	18.03	18.06	18.05
		12	13	18.01	17.97	17.95
		25	0	17.97	17.92	17.99

ERP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Mid
		Channel		23230
		Frequency (MHz)		782
10M	QPSK	1	0	18.50
		1	24	18.41
		1	49	18.33
		25	0	17.50
		25	12	17.41
		25	25	17.31
		50	0	17.27
10M	16QAM	1	0	17.61
		1	24	17.50
		1	49	17.37
		25	0	16.47
		25	12	16.38
		25	25	16.30
		50	0	16.27
10M	64QAM	1	0	16.59
		1	24	16.48
		1	49	16.37
		25	0	15.46
		25	12	15.41
		25	25	15.33
		50	0	15.31
10M	256QAM	1	0	13.49
		1	24	13.43
		1	49	13.41
		25	0	13.43
		25	12	13.34
		25	25	13.27
		50	0	13.26

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23205	23230	23255
		Frequency (MHz)		779.5	782	784.5
5M	QPSK	1	0	18.46	18.41	18.44
		1	12	18.35	18.38	18.35
		1	24	18.27	18.28	18.33
		12	0	17.44	17.50	17.47
		12	6	17.38	17.33	17.31
		12	13	17.28	17.21	17.28
		25	0	17.21	17.19	17.18
5M	16QAM	1	0	17.61	17.58	17.58
		1	12	17.45	17.48	17.49
		1	24	17.29	17.31	17.29
		12	0	16.40	16.43	16.41
		12	6	16.32	16.30	16.33
		12	13	16.24	16.20	16.22
		25	0	16.27	16.17	16.20
5M	64QAM	1	0	16.53	16.55	16.55
		1	12	16.47	16.40	16.47
		1	24	16.34	16.36	16.29
		12	0	15.39	15.43	15.45
		12	6	15.33	15.39	15.34
		12	13	15.31	15.23	15.28
		25	0	15.22	15.28	15.27
5M	256QAM	1	0	13.47	13.40	13.40
		1	12	13.37	13.36	13.41
		1	24	13.33	13.41	13.35
		12	0	13.37	13.36	13.33
		12	6	13.28	13.31	13.30
		12	13	13.26	13.22	13.20
		25	0	13.22	13.17	13.24

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

7.1.10 LTE Band 14

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Mid
		Channel		23330
		Frequency (MHz)		793
10M	QPSK	1	0	23.21
		1	24	23.14
		1	49	23.06
		25	0	22.22
		25	12	22.12
		25	25	22.03
		50	0	22.00
10M	16QAM	1	0	22.37
		1	24	22.23
		1	49	22.11
		25	0	21.24
		25	12	21.16
		25	25	21.08
		50	0	21.12
10M	64QAM	1	0	21.21
		1	24	21.15
		1	49	21.04
		25	0	20.26
		25	12	20.17
		25	25	20.09
		50	0	20.06
10M	256QAM	1	0	18.33
		1	24	18.24
		1	49	18.16
		25	0	18.22
		25	12	18.13
		25	25	18.04
		50	0	18.05

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23305	23330	23355
		Frequency (MHz)		790.5	793	795.5
5M	QPSK	1	0	23.14	23.11	23.13
		1	12	23.14	23.06	23.08
		1	24	23.01	22.97	23.00
		12	0	22.13	22.20	22.12
		12	6	22.02	22.05	22.06
		12	13	22.02	22.00	21.93
		25	0	21.96	21.98	21.92
5M	16QAM	1	0	22.36	22.33	22.31
		1	12	22.15	22.16	22.21
		1	24	22.07	22.08	22.02
		12	0	21.15	21.24	21.21
		12	6	21.11	21.07	21.08
		12	13	21.01	21.07	21.03
		25	0	21.04	21.10	21.12
5M	64QAM	1	0	21.19	21.20	21.17
		1	12	21.06	21.05	21.12
		1	24	21.03	21.03	20.97
		12	0	20.23	20.16	20.19
		12	6	20.10	20.11	20.10
		12	13	20.09	20.00	20.06
		25	0	19.97	20.06	20.02
5M	256QAM	1	0	18.28	18.24	18.33
		1	12	18.20	18.24	18.16
		1	24	18.16	18.13	18.08
		12	0	18.20	18.15	18.19
		12	6	18.08	18.08	18.09
		12	13	17.98	17.97	18.04
		25	0	17.96	18.03	18.04

ERP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Mid
		Channel		23330
		Frequency (MHz)		793
10M	QPSK	1	0	18.46
		1	24	18.39
		1	49	18.31
		25	0	17.47
		25	12	17.37
		25	25	17.28
		50	0	17.25
10M	16QAM	1	0	17.62
		1	24	17.48
		1	49	17.36
		25	0	16.49
		25	12	16.41
		25	25	16.33
		50	0	16.37
10M	64QAM	1	0	16.46
		1	24	16.40
		1	49	16.29
		25	0	15.51
		25	12	15.42
		25	25	15.34
		50	0	15.31
10M	256QAM	1	0	13.58
		1	24	13.49
		1	49	13.41
		25	0	13.47
		25	12	13.38
		25	25	13.29
		50	0	13.30

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23305	23330	23355
		Frequency (MHz)		790.5	793	795.5
5M	QPSK	1	0	18.39	18.36	18.38
		1	12	18.39	18.31	18.33
		1	24	18.26	18.22	18.25
		12	0	17.38	17.45	17.37
		12	6	17.27	17.30	17.31
		12	13	17.27	17.25	17.18
		25	0	17.21	17.23	17.17
5M	16QAM	1	0	17.61	17.58	17.56
		1	12	17.40	17.41	17.46
		1	24	17.32	17.33	17.27
		12	0	16.40	16.49	16.46
		12	6	16.36	16.32	16.33
		12	13	16.26	16.32	16.28
		25	0	16.29	16.35	16.37
5M	64QAM	1	0	16.44	16.45	16.42
		1	12	16.31	16.30	16.37
		1	24	16.28	16.28	16.22
		12	0	15.48	15.41	15.44
		12	6	15.35	15.36	15.35
		12	13	15.34	15.25	15.31
		25	0	15.22	15.31	15.27
5M	256QAM	1	0	13.53	13.49	13.58
		1	12	13.45	13.49	13.41
		1	24	13.41	13.38	13.33
		12	0	13.45	13.40	13.44
		12	6	13.33	13.33	13.34
		12	13	13.23	13.22	13.29
		25	0	13.21	13.28	13.29

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

7.1.11 LTE Band 17

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23780	23790	23800
		Frequency (MHz)		709	710	711
10M	QPSK	1	0	23.37	23.41	23.19
		1	24	23.21	23.29	23.10
		1	49	23.14	23.18	22.97
		25	0	22.32	22.34	22.23
		25	12	22.12	22.21	21.97
		25	25	22.11	22.13	22.04
		50	0	22.10	22.15	21.94
10M	16QAM	1	0	22.34	22.44	22.19
		1	24	22.33	22.36	22.20
		1	49	22.16	22.25	22.06
		25	0	21.32	21.37	21.24
		25	12	21.25	21.29	21.17
		25	25	21.14	21.20	21.06
		50	0	21.08	21.17	20.96
10M	64QAM	1	0	21.34	21.39	21.21
		1	24	21.22	21.28	21.12
		1	49	21.16	21.19	21.11
		25	0	20.28	20.31	20.15
		25	12	20.21	20.24	20.10
		25	25	20.12	20.15	20.03
		50	0	20.11	20.17	19.99
10M	256QAM	1	0	18.40	18.42	18.33
		1	24	18.25	18.33	18.19
		1	49	18.22	18.25	18.13
		25	0	18.18	18.24	18.04
		25	12	18.07	18.15	17.96
		25	25	18.04	18.04	17.94
		50	0	17.98	18.08	17.83

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23755	23790	23825
		Frequency (MHz)		706.5	710	713.5
5M	QPSK	1	0	23.26	23.33	23.12
		1	12	23.14	23.21	23.00
		1	24	23.08	23.18	22.93
		12	0	22.28	22.30	22.17
		12	6	22.11	22.14	21.96
		12	13	22.11	22.07	22.04
		25	0	22.05	22.15	21.86
5M	16QAM	1	0	22.34	22.44	22.10
		1	12	22.24	22.26	22.12
		1	24	22.15	22.25	21.97
		12	0	21.30	21.28	21.22
		12	6	21.18	21.26	21.09
		12	13	21.11	21.20	21.00
		25	0	21.03	21.14	20.86
5M	64QAM	1	0	21.32	21.31	21.13
		1	12	21.15	21.19	21.05
		1	24	21.12	21.17	21.02
		12	0	20.19	20.31	20.14
		12	6	20.13	20.18	20.03
		12	13	20.09	20.07	20.02
		25	0	20.11	20.07	19.95
5M	256QAM	1	0	18.35	18.35	18.23
		1	12	18.17	18.25	18.10
		1	24	18.18	18.23	18.04
		12	0	18.13	18.18	18.02
		12	6	17.99	18.14	17.89
		12	13	17.94	17.97	17.85
		25	0	17.90	18.05	17.81

ERP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23780	23790	23800
		Frequency (MHz)		709	710	711
10M	QPSK	1	0	15.72	15.76	15.54
		1	24	15.56	15.64	15.45
		1	49	15.49	15.53	15.32
		25	0	14.67	14.69	14.58
		25	12	14.47	14.56	14.32
		25	25	14.46	14.48	14.39
		50	0	14.45	14.50	14.29
10M	16QAM	1	0	14.69	14.79	14.54
		1	24	14.68	14.71	14.55
		1	49	14.51	14.60	14.41
		25	0	13.67	13.72	13.59
		25	12	13.60	13.64	13.52
		25	25	13.49	13.55	13.41
		50	0	13.43	13.52	13.31
10M	64QAM	1	0	13.69	13.74	13.56
		1	24	13.57	13.63	13.47
		1	49	13.51	13.54	13.46
		25	0	12.63	12.66	12.50
		25	12	12.56	12.59	12.45
		25	25	12.47	12.50	12.38
		50	0	12.46	12.52	12.34
10M	256QAM	1	0	10.75	10.77	10.68
		1	24	10.60	10.68	10.54
		1	49	10.57	10.60	10.48
		25	0	10.53	10.59	10.39
		25	12	10.42	10.50	10.31
		25	25	10.39	10.39	10.29
		50	0	10.33	10.43	10.18

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23755	23790	23825
		Frequency (MHz)		706.5	710	713.5
5M	QPSK	1	0	15.61	15.68	15.47
		1	12	15.49	15.56	15.35
		1	24	15.43	15.53	15.28
		12	0	14.63	14.65	14.52
		12	6	14.46	14.49	14.31
		12	13	14.46	14.42	14.39
		25	0	14.40	14.50	14.21
5M	16QAM	1	0	14.69	14.79	14.45
		1	12	14.59	14.61	14.47
		1	24	14.50	14.60	14.32
		12	0	13.65	13.63	13.57
		12	6	13.53	13.61	13.44
		12	13	13.46	13.55	13.35
		25	0	13.38	13.49	13.21
5M	64QAM	1	0	13.67	13.66	13.48
		1	12	13.50	13.54	13.40
		1	24	13.47	13.52	13.37
		12	0	12.54	12.66	12.49
		12	6	12.48	12.53	12.38
		12	13	12.44	12.42	12.37
		25	0	12.46	12.42	12.30
5M	256QAM	1	0	10.70	10.70	10.58
		1	12	10.52	10.60	10.45
		1	24	10.53	10.58	10.39
		12	0	10.48	10.53	10.37
		12	6	10.34	10.49	10.24
		12	13	10.29	10.32	10.20
		25	0	10.25	10.40	10.16

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

7.1.12 LTE Band 25

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26140	26365	26590
		Frequency (MHz)		1860	1882.5	1905
20M	QPSK	1	0	23.14	23.26	23.17
		1	50	23.06	23.18	23.11
		1	99	23.02	23.11	23.04
		50	0	22.03	22.21	22.11
		50	25	22.01	22.12	22.07
		50	50	21.93	22.05	21.98
		100	0	21.99	22.10	22.00
20M	16QAM	1	0	22.31	22.46	22.38
		1	50	22.32	22.32	22.32
		1	99	22.11	22.24	22.17
		50	0	21.14	21.29	21.22
		50	25	21.12	21.21	21.12
		50	50	21.09	21.15	21.14
		100	0	21.03	21.17	21.07
20M	64QAM	1	0	21.26	21.43	21.36
		1	50	21.19	21.31	21.28
		1	99	21.16	21.22	21.19
		50	0	20.13	20.32	20.23
		50	25	20.13	20.22	20.15
		50	50	20.11	20.16	20.15
		100	0	20.05	20.14	20.10
20M	256QAM	1	0	18.32	18.45	18.38
		1	50	18.22	18.32	18.27
		1	99	18.16	18.26	18.24
		50	0	18.13	18.23	18.19
		50	25	17.99	18.16	18.08
		50	50	17.98	18.11	18.08
		100	0	18.02	18.15	18.12

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26115	26365	26615
		Frequency (MHz)		1857.5	1882.5	1907.5
15M	QPSK	1	0	23.12	23.21	23.15
		1	37	23.02	23.09	23.01
		1	74	22.92	23.03	22.94
		36	0	21.97	22.15	22.10
		36	19	21.94	22.03	22.01
		36	39	21.86	21.98	21.92
		75	0	21.92	22.03	21.91
15M	16QAM	1	0	22.29	22.40	22.34
		1	37	22.24	22.26	22.32
		1	74	22.05	22.20	22.17
		36	0	21.12	21.29	21.19
		36	19	21.11	21.13	21.10
		36	39	21.06	21.09	21.14
		75	0	21.02	21.15	20.98
15M	64QAM	1	0	21.21	21.42	21.34
		1	37	21.19	21.28	21.20
		1	74	21.14	21.16	21.15
		36	0	20.09	20.30	20.16
		36	19	20.08	20.15	20.09
		36	39	20.08	20.16	20.09
		75	0	19.99	20.14	20.05
15M	256QAM	1	0	18.32	18.36	18.35
		1	37	18.12	18.25	18.22
		1	74	18.14	18.24	18.21
		36	0	18.09	18.16	18.12
		36	19	17.94	18.07	18.03
		36	39	17.97	18.08	18.06
		75	0	17.92	18.15	18.05

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26090	26365	26640
		Frequency (MHz)		1855	1882.5	1910
10M	QPSK	1	0	23.14	23.21	23.16
		1	24	22.97	23.17	23.01
		1	49	22.96	23.11	22.99
		25	0	21.95	22.17	22.08
		25	12	21.98	22.04	22.06
		25	25	21.87	22.03	21.88
		50	0	21.93	22.03	21.94
10M	16QAM	1	0	22.31	22.46	22.29
		1	24	22.24	22.22	22.23
		1	49	22.10	22.23	22.11
		25	0	21.11	21.27	21.15
		25	12	21.11	21.18	21.06
		25	25	21.08	21.10	21.09
		50	0	20.97	21.08	21.02
10M	64QAM	1	0	21.22	21.42	21.31
		1	24	21.15	21.22	21.27
		1	49	21.13	21.15	21.17
		25	0	20.08	20.26	20.20
		25	12	20.11	20.18	20.08
		25	25	20.08	20.14	20.07
		50	0	20.01	20.09	20.02
10M	256QAM	1	0	18.30	18.42	18.37
		1	24	18.22	18.27	18.17
		1	49	18.06	18.18	18.19
		25	0	18.08	18.13	18.10
		25	12	17.91	18.09	18.00
		25	25	17.96	18.11	18.00
		50	0	17.99	18.13	18.08

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26065	26365	26665
		Frequency (MHz)		1852.5	1882.5	1912.5
5M	QPSK	1	0	23.12	23.16	23.10
		1	12	23.03	23.14	23.03
		1	24	22.94	23.08	22.98
		12	0	22.01	22.13	22.08
		12	6	22.00	22.12	22.04
		12	13	21.83	22.05	21.92
		25	0	21.91	22.10	21.93
5M	16QAM	1	0	22.30	22.36	22.32
		1	12	22.31	22.22	22.30
		1	24	22.09	22.21	22.15
		12	0	21.14	21.29	21.15
		12	6	21.02	21.16	21.07
		12	13	21.06	21.06	21.14
		25	0	20.99	21.16	21.00
5M	64QAM	1	0	21.24	21.36	21.33
		1	12	21.14	21.26	21.18
		1	24	21.13	21.14	21.18
		12	0	20.12	20.22	20.17
		12	6	20.03	20.21	20.13
		12	13	20.04	20.16	20.13
		25	0	19.95	20.08	20.01
5M	256QAM	1	0	18.24	18.35	18.28
		1	12	18.16	18.32	18.23
		1	24	18.16	18.17	18.23
		12	0	18.03	18.14	18.10
		12	6	17.97	18.12	18.00
		12	13	17.98	18.10	18.03
		25	0	17.99	18.05	18.07

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26055	26365	26675
		Frequency (MHz)		1851.5	1882.5	1913.5
3M	QPSK	1	0	23.13	23.17	23.15
		1	7	23.05	23.09	23.08
		1	14	22.96	23.04	23.04
		8	0	22.01	22.19	22.02
		8	3	21.99	22.09	22.03
		8	7	21.83	22.03	21.94
		15	0	21.98	22.05	21.98
3M	16QAM	1	0	22.23	22.36	22.28
		1	7	22.22	22.27	22.25
		1	14	22.05	22.18	22.08
		8	0	21.07	21.27	21.22
		8	3	21.03	21.20	21.12
		8	7	21.03	21.11	21.10
		15	0	20.93	21.08	21.07
3M	64QAM	1	0	21.16	21.39	21.26
		1	7	21.12	21.28	21.27
		1	14	21.13	21.12	21.14
		8	0	20.10	20.31	20.16
		8	3	20.04	20.16	20.06
		8	7	20.11	20.06	20.05
		15	0	20.00	20.08	20.00
3M	256QAM	1	0	18.29	18.43	18.35
		1	7	18.20	18.23	18.22
		1	14	18.15	18.22	18.21
		8	0	18.06	18.18	18.19
		8	3	17.89	18.14	18.04
		8	7	17.93	18.06	17.99
		15	0	17.97	18.13	18.05

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26047	26365	26683
		Frequency (MHz)		1850.7	1882.5	1914.3
1.4M	QPSK	1	0	23.10	23.23	23.16
		1	2	22.99	23.15	23.02
		1	5	22.95	23.10	23.03
		3	0	22.97	23.13	23.05
		3	1	22.94	23.09	23.04
		3	3	22.88	22.96	22.92
		6	0	21.89	22.05	21.91
1.4M	16QAM	1	0	22.27	22.38	22.33
		1	2	22.25	22.26	22.30
		1	5	22.10	22.18	22.17
		3	0	22.05	22.29	22.21
		3	1	22.06	22.12	22.03
		3	3	22.08	22.10	22.10
		6	0	20.96	21.17	20.98
1.4M	64QAM	1	0	21.24	21.36	21.36
		1	2	21.15	21.30	21.20
		1	5	21.13	21.20	21.10
		3	0	21.05	21.24	21.14
		3	1	21.04	21.15	21.09
		3	3	21.11	21.12	21.11
		6	0	20.02	20.09	20.09
1.4M	256QAM	1	0	18.31	18.37	18.38
		1	2	18.17	18.22	18.24
		1	5	18.07	18.17	18.20
		3	0	18.04	18.18	18.13
		3	1	17.97	18.13	18.01
		3	3	17.89	18.11	18.07
		6	0	17.98	18.05	18.05

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26140	26365	26590
		Frequency (MHz)		1860	1882.5	1905
20M	QPSK	1	0	23.34	23.46	23.37
		1	50	23.26	23.38	23.31
		1	99	23.22	23.31	23.24
		50	0	22.23	22.41	22.31
		50	25	22.21	22.32	22.27
		50	50	22.13	22.25	22.18
		100	0	22.19	22.30	22.20
20M	16QAM	1	0	22.51	22.66	22.58
		1	50	22.52	22.52	22.52
		1	99	22.31	22.44	22.37
		50	0	21.34	21.49	21.42
		50	25	21.32	21.41	21.32
		50	50	21.29	21.35	21.34
		100	0	21.23	21.37	21.27
20M	64QAM	1	0	21.46	21.63	21.56
		1	50	21.39	21.51	21.48
		1	99	21.36	21.42	21.39
		50	0	20.33	20.52	20.43
		50	25	20.33	20.42	20.35
		50	50	20.31	20.36	20.35
		100	0	20.25	20.34	20.30
20M	256QAM	1	0	18.52	18.65	18.58
		1	50	18.42	18.52	18.47
		1	99	18.36	18.46	18.44
		50	0	18.33	18.43	18.39
		50	25	18.19	18.36	18.28
		50	50	18.18	18.31	18.28
		100	0	18.22	18.35	18.32

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26115	26365	26615
		Frequency (MHz)		1857.5	1882.5	1907.5
15M	QPSK	1	0	23.32	23.41	23.35
		1	37	23.22	23.29	23.21
		1	74	23.12	23.23	23.14
		36	0	22.17	22.35	22.30
		36	19	22.14	22.23	22.21
		36	39	22.06	22.18	22.12
		75	0	22.12	22.23	22.11
15M	16QAM	1	0	22.49	22.60	22.54
		1	37	22.44	22.46	22.52
		1	74	22.25	22.40	22.37
		36	0	21.32	21.49	21.39
		36	19	21.31	21.33	21.30
		36	39	21.26	21.29	21.34
		75	0	21.22	21.35	21.18
15M	64QAM	1	0	21.41	21.62	21.54
		1	37	21.39	21.48	21.40
		1	74	21.34	21.36	21.35
		36	0	20.29	20.50	20.36
		36	19	20.28	20.35	20.29
		36	39	20.28	20.36	20.29
		75	0	20.19	20.34	20.25
15M	256QAM	1	0	18.52	18.56	18.55
		1	37	18.32	18.45	18.42
		1	74	18.34	18.44	18.41
		36	0	18.29	18.36	18.32
		36	19	18.14	18.27	18.23
		36	39	18.17	18.28	18.26
		75	0	18.12	18.35	18.25

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26090	26365	26640
		Frequency (MHz)		1855	1882.5	1910
10M	QPSK	1	0	23.34	23.41	23.36
		1	24	23.17	23.37	23.21
		1	49	23.16	23.31	23.19
		25	0	22.15	22.37	22.28
		25	12	22.18	22.24	22.26
		25	25	22.07	22.23	22.08
		50	0	22.13	22.23	22.14
10M	16QAM	1	0	22.51	22.66	22.49
		1	24	22.44	22.42	22.43
		1	49	22.30	22.43	22.31
		25	0	21.31	21.47	21.35
		25	12	21.31	21.38	21.26
		25	25	21.28	21.30	21.29
		50	0	21.17	21.28	21.22
10M	64QAM	1	0	21.42	21.62	21.51
		1	24	21.35	21.42	21.47
		1	49	21.33	21.35	21.37
		25	0	20.28	20.46	20.40
		25	12	20.31	20.38	20.28
		25	25	20.28	20.34	20.27
		50	0	20.21	20.29	20.22
10M	256QAM	1	0	18.50	18.62	18.57
		1	24	18.42	18.47	18.37
		1	49	18.26	18.38	18.39
		25	0	18.28	18.33	18.30
		25	12	18.11	18.29	18.20
		25	25	18.16	18.31	18.20
		50	0	18.19	18.33	18.28

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26065	26365	26665
		Frequency (MHz)		1852.5	1882.5	1912.5
5M	QPSK	1	0	23.32	23.36	23.30
		1	12	23.23	23.34	23.23
		1	24	23.14	23.28	23.18
		12	0	22.21	22.33	22.28
		12	6	22.20	22.32	22.24
		12	13	22.03	22.25	22.12
		25	0	22.11	22.30	22.13
5M	16QAM	1	0	22.50	22.56	22.52
		1	12	22.51	22.42	22.50
		1	24	22.29	22.41	22.35
		12	0	21.34	21.49	21.35
		12	6	21.22	21.36	21.27
		12	13	21.26	21.26	21.34
		25	0	21.19	21.36	21.20
5M	64QAM	1	0	21.44	21.56	21.53
		1	12	21.34	21.46	21.38
		1	24	21.33	21.34	21.38
		12	0	20.32	20.42	20.37
		12	6	20.23	20.41	20.33
		12	13	20.24	20.36	20.33
		25	0	20.15	20.28	20.21
5M	256QAM	1	0	18.44	18.55	18.48
		1	12	18.36	18.52	18.43
		1	24	18.36	18.37	18.43
		12	0	18.23	18.34	18.30
		12	6	18.17	18.32	18.20
		12	13	18.18	18.30	18.23
		25	0	18.19	18.25	18.27

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26055	26365	26675
		Frequency (MHz)		1851.5	1882.5	1913.5
3M	QPSK	1	0	23.33	23.37	23.35
		1	7	23.25	23.29	23.28
		1	14	23.16	23.24	23.24
		8	0	22.21	22.39	22.22
		8	3	22.19	22.29	22.23
		8	7	22.03	22.23	22.14
		15	0	22.18	22.25	22.18
3M	16QAM	1	0	22.43	22.56	22.48
		1	7	22.42	22.47	22.45
		1	14	22.25	22.38	22.28
		8	0	21.27	21.47	21.42
		8	3	21.23	21.40	21.32
		8	7	21.23	21.31	21.30
		15	0	21.13	21.28	21.27
3M	64QAM	1	0	21.36	21.59	21.46
		1	7	21.32	21.48	21.47
		1	14	21.33	21.32	21.34
		8	0	20.30	20.51	20.36
		8	3	20.24	20.36	20.26
		8	7	20.31	20.26	20.25
		15	0	20.20	20.28	20.20
3M	256QAM	1	0	18.49	18.63	18.55
		1	7	18.40	18.43	18.42
		1	14	18.35	18.42	18.41
		8	0	18.26	18.38	18.39
		8	3	18.09	18.34	18.24
		8	7	18.13	18.26	18.19
		15	0	18.17	18.33	18.25

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26047	26365	26683
		Frequency (MHz)		1850.7	1882.5	1914.3
1.4M	QPSK	1	0	23.30	23.43	23.36
		1	2	23.19	23.35	23.22
		1	5	23.15	23.30	23.23
		3	0	23.17	23.33	23.25
		3	1	23.14	23.29	23.24
		3	3	23.08	23.16	23.12
		6	0	22.09	22.25	22.11
1.4M	16QAM	1	0	22.47	22.58	22.53
		1	2	22.45	22.46	22.50
		1	5	22.30	22.38	22.37
		3	0	22.25	22.49	22.41
		3	1	22.26	22.32	22.23
		3	3	22.28	22.30	22.30
		6	0	21.16	21.37	21.18
1.4M	64QAM	1	0	21.44	21.56	21.56
		1	2	21.35	21.50	21.40
		1	5	21.33	21.40	21.30
		3	0	21.25	21.44	21.34
		3	1	21.24	21.35	21.29
		3	3	21.31	21.32	21.31
		6	0	20.22	20.29	20.29
1.4M	256QAM	1	0	18.51	18.57	18.58
		1	2	18.37	18.42	18.44
		1	5	18.27	18.37	18.40
		3	0	18.24	18.38	18.33
		3	1	18.17	18.33	18.21
		3	3	18.09	18.31	18.27
		6	0	18.18	18.25	18.25

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

7.1.13 LTE Band 30

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Mid
		Channel		27710
		Frequency (MHz)		2310
10M	QPSK	1	0	21.83
		1	24	21.71
		1	49	21.60
		25	0	20.72
		25	12	20.63
		25	25	20.52
		50	0	20.57
10M	16QAM	1	0	20.86
		1	24	20.68
		1	49	20.60
		25	0	19.78
		25	12	19.72
		25	25	19.64
		50	0	19.53
10M	64QAM	1	0	19.83
		1	24	19.69
		1	49	19.67
		25	0	18.66
		25	12	18.65
		25	25	18.56
		50	0	18.48
10M	256QAM	1	0	16.77
		1	24	16.67
		1	49	16.66
		25	0	16.76
		25	12	16.68
		25	25	16.52
		50	0	16.53

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		27685	27710	27735
		Frequency (MHz)		2307.5	2310	2312.5
5M	QPSK	1	0	21.65	21.70	21.67
		1	12	21.59	21.70	21.69
		1	24	21.54	21.63	21.56
		12	0	20.62	20.73	20.71
		12	6	20.54	20.55	20.54
		12	13	20.50	20.52	20.58
		25	0	20.52	20.51	20.48
5M	16QAM	1	0	20.85	20.70	20.75
		1	12	20.69	20.65	20.65
		1	24	20.64	20.63	20.62
		12	0	19.77	19.66	19.72
		12	6	19.65	19.64	19.59
		12	13	19.53	19.46	19.58
		25	0	19.53	19.51	19.55
5M	64QAM	1	0	19.84	19.73	19.75
		1	12	19.66	19.75	19.71
		1	24	19.55	19.57	19.55
		12	0	18.60	18.63	18.68
		12	6	18.58	18.57	18.57
		12	13	18.58	18.54	18.48
		25	0	18.45	18.48	18.55
5M	256QAM	1	0	16.75	16.67	16.79
		1	12	16.73	16.62	16.60
		1	24	16.58	16.56	16.58
		12	0	16.65	16.72	16.65
		12	6	16.56	16.51	16.61
		12	13	16.52	16.45	16.46
		25	0	16.49	16.44	16.45

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Mid
		Channel		27710
		Frequency (MHz)		2310
10M	QPSK	1	0	20.43
		1	24	20.31
		1	49	20.20
		25	0	19.32
		25	12	19.23
		25	25	19.12
		50	0	19.17
10M	16QAM	1	0	19.46
		1	24	19.28
		1	49	19.20
		25	0	18.38
		25	12	18.32
		25	25	18.24
		50	0	18.13
10M	64QAM	1	0	18.43
		1	24	18.29
		1	49	18.27
		25	0	17.26
		25	12	17.25
		25	25	17.16
		50	0	17.08
10M	256QAM	1	0	15.37
		1	24	15.27
		1	49	15.26
		25	0	15.36
		25	12	15.28
		25	25	15.12
		50	0	15.13

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		27685	27710	27735
		Frequency (MHz)		2307.5	2310	2312.5
5M	QPSK	1	0	20.25	20.30	20.27
		1	12	20.19	20.30	20.29
		1	24	20.14	20.23	20.16
		12	0	19.22	19.33	19.31
		12	6	19.14	19.15	19.14
		12	13	19.10	19.12	19.18
		25	0	19.12	19.11	19.08
5M	16QAM	1	0	19.45	19.30	19.35
		1	12	19.29	19.25	19.25
		1	24	19.24	19.23	19.22
		12	0	18.37	18.26	18.32
		12	6	18.25	18.24	18.19
		12	13	18.13	18.06	18.18
		25	0	18.13	18.11	18.15
5M	64QAM	1	0	18.44	18.33	18.35
		1	12	18.26	18.35	18.31
		1	24	18.15	18.17	18.15
		12	0	17.20	17.23	17.28
		12	6	17.18	17.17	17.17
		12	13	17.18	17.14	17.08
		25	0	17.05	17.08	17.15
5M	256QAM	1	0	15.35	15.27	15.39
		1	12	15.33	15.22	15.20
		1	24	15.18	15.16	15.18
		12	0	15.25	15.32	15.25
		12	6	15.16	15.11	15.21
		12	13	15.12	15.05	15.06
		25	0	15.09	15.04	15.05

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

7.1.14 LTE Band 41

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		39750	40620	41490
		Frequency (MHz)		2506	2593	2680
20M	QPSK	1	0	23.04	23.15	23.11
		1	50	22.96	23.05	22.98
		1	99	22.87	22.96	22.90
		50	0	22.04	22.16	22.09
		50	25	22.01	22.08	22.03
		50	50	21.92	21.99	21.92
		100	0	21.88	22.04	21.95
20M	16QAM	1	0	22.03	22.15	22.13
		1	50	21.90	22.06	22.01
		1	99	21.81	21.96	21.94
		50	0	20.99	21.13	21.11
		50	25	20.99	21.05	20.96
		50	50	20.92	20.98	20.95
		100	0	20.85	21.01	20.91
20M	64QAM	1	0	21.03	21.33	21.27
		1	50	20.96	21.24	21.18
		1	99	20.90	21.15	21.15
		50	0	20.02	20.19	20.10
		50	25	19.97	20.10	20.08
		50	50	19.90	20.02	19.99
		100	0	19.87	20.01	19.92
20M	256QAM	1	0	18.11	18.21	18.13
		1	50	17.95	18.14	18.04
		1	99	17.88	18.02	18.00
		50	0	18.06	18.11	18.08
		50	25	17.90	18.03	17.93
		50	50	17.88	17.95	17.93
		100	0	17.82	17.98	17.96

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		39725	40620	41515
		Frequency (MHz)		2503.5	2593	2682.5
15M	QPSK	1	0	22.94	23.05	23.11
		1	37	22.86	23.03	22.91
		1	74	22.85	22.96	22.86
		36	0	21.95	22.15	22.04
		36	19	21.97	22.08	21.97
		36	39	21.92	21.93	21.92
		75	0	21.86	21.98	21.86
15M	16QAM	1	0	21.95	22.15	22.08
		1	37	21.85	21.96	21.93
		1	74	21.77	21.95	21.86
		36	0	20.91	21.10	21.09
		36	19	20.99	21.04	20.94
		36	39	20.91	20.91	20.86
		75	0	20.83	20.93	20.88
15M	64QAM	1	0	21.00	21.30	21.11
		1	37	20.86	21.24	20.94
		1	74	20.84	21.05	20.82
		36	0	19.93	20.15	20.00
		36	19	19.87	20.05	19.98
		36	39	19.80	19.92	19.86
		75	0	19.77	19.95	19.88
15M	256QAM	1	0	18.05	18.20	18.09
		1	37	17.89	18.07	17.93
		1	74	17.80	17.92	17.91
		36	0	18.05	18.06	18.05
		36	19	17.81	17.93	17.96
		36	39	17.78	17.87	17.90
		75	0	17.82	17.92	17.91

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		39700	40620	41540
		Frequency (MHz)		2501	2593	2685
10M	QPSK	1	0	22.94	23.14	23.06
		1	24	22.96	22.98	22.98
		1	49	22.84	22.96	22.88
		25	0	21.95	22.13	21.99
		25	12	22.00	22.02	22.00
		25	25	21.84	21.97	21.82
		50	0	21.79	21.99	21.94
10M	16QAM	1	0	21.97	22.08	22.04
		1	24	21.87	22.01	21.91
		1	49	21.81	21.92	21.89
		25	0	20.90	21.11	21.08
		25	12	20.98	21.02	21.02
		25	25	20.86	20.98	20.90
		50	0	20.78	20.95	20.89
10M	64QAM	1	0	20.99	21.31	21.03
		1	24	20.91	21.24	20.92
		1	49	20.82	21.09	20.88
		25	0	19.97	20.10	20.00
		25	12	19.96	20.01	19.98
		25	25	19.86	20.02	19.82
		50	0	19.79	19.93	19.89
10M	256QAM	1	0	18.08	18.16	18.07
		1	24	17.85	18.09	17.95
		1	49	17.80	17.92	17.88
		25	0	18.05	18.05	18.10
		25	12	17.88	18.00	17.95
		25	25	17.87	17.89	17.92
		50	0	17.77	17.88	17.87

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		39675	40620	41565
		Frequency (MHz)		2498.5	2593	2687.5
5M	QPSK	1	0	23.01	23.12	23.10
		1	12	22.87	23.03	22.96
		1	24	22.79	22.96	22.85
		12	0	21.99	22.09	21.99
		12	6	21.96	22.04	21.94
		12	13	21.82	21.90	21.92
		25	0	21.86	21.97	21.87
5M	16QAM	1	0	21.94	22.12	22.09
		1	12	21.84	22.05	21.92
		1	24	21.79	21.92	21.81
		12	0	20.95	21.10	21.05
		12	6	20.96	20.95	21.00
		12	13	20.84	20.93	20.82
		25	0	20.75	21.00	20.88
5M	64QAM	1	0	20.96	21.28	21.02
		1	12	20.96	21.18	20.90
		1	24	20.85	21.15	20.88
		12	0	19.95	20.18	20.06
		12	6	19.97	20.00	20.00
		12	13	19.90	20.01	19.82
		25	0	19.82	19.96	19.85
5M	256QAM	1	0	18.05	18.18	18.12
		1	12	17.88	18.13	17.99
		1	24	17.84	17.98	17.94
		12	0	17.99	18.03	18.10
		12	6	17.88	17.97	17.90
		12	13	17.82	17.95	17.91
		25	0	17.79	17.91	17.91

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		39750	40620	41490
		Frequency (MHz)		2506	2593	2680
20M	QPSK	1	0	23.54	23.42	23.65
		1	50	23.46	23.36	23.55
		1	99	23.37	23.22	23.46
		50	0	22.54	22.49	22.66
		50	25	22.51	22.41	22.58
		50	50	22.42	22.33	22.49
		100	0	22.38	22.39	22.54
20M	16QAM	1	0	22.53	22.60	22.65
		1	50	22.40	22.46	22.56
		1	99	22.31	22.30	22.46
		50	0	21.49	21.51	21.63
		50	25	21.49	21.38	21.55
		50	50	21.42	21.28	21.48
		100	0	21.35	21.36	21.51
20M	64QAM	1	0	21.53	21.54	21.83
		1	50	21.46	21.42	21.74
		1	99	21.40	21.35	21.65
		50	0	20.52	20.48	20.69
		50	25	20.47	20.49	20.60
		50	50	20.40	20.29	20.52
		100	0	20.37	20.39	20.51
20M	256QAM	1	0	18.61	18.49	18.71
		1	50	18.45	18.41	18.64
		1	99	18.38	18.30	18.52
		50	0	18.56	18.50	18.61
		50	25	18.40	18.33	18.53
		50	50	18.38	18.36	18.45
		100	0	18.32	18.40	18.48

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		39725	40620	41515
		Frequency (MHz)		2503.5	2593	2682.5
15M	QPSK	1	0	23.44	23.33	23.55
		1	37	23.36	23.34	23.53
		1	74	23.35	23.20	23.46
		36	0	22.45	22.40	22.65
		36	19	22.47	22.38	22.58
		36	39	22.42	22.27	22.43
		75	0	22.36	22.37	22.48
15M	16QAM	1	0	22.45	22.54	22.65
		1	37	22.35	22.45	22.46
		1	74	22.27	22.26	22.45
		36	0	21.41	21.48	21.60
		36	19	21.49	21.28	21.54
		36	39	21.41	21.24	21.41
		75	0	21.33	21.33	21.43
15M	64QAM	1	0	21.50	21.52	21.80
		1	37	21.36	21.37	21.74
		1	74	21.34	21.27	21.55
		36	0	20.43	20.45	20.65
		36	19	20.37	20.41	20.55
		36	39	20.30	20.26	20.42
		75	0	20.27	20.36	20.45
15M	256QAM	1	0	18.55	18.44	18.70
		1	37	18.39	18.38	18.57
		1	74	18.30	18.25	18.42
		36	0	18.55	18.40	18.56
		36	19	18.31	18.31	18.43
		36	39	18.28	18.30	18.37
		75	0	18.32	18.36	18.42

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		39700	40620	41540
		Frequency (MHz)		2501	2593	2685
10M	QPSK	1	0	23.44	23.35	23.64
		1	24	23.46	23.33	23.48
		1	49	23.34	23.18	23.46
		25	0	22.45	22.42	22.63
		25	12	22.50	22.36	22.52
		25	25	22.34	22.33	22.47
		50	0	22.29	22.36	22.49
10M	16QAM	1	0	22.47	22.52	22.58
		1	24	22.37	22.36	22.51
		1	49	22.31	22.25	22.42
		25	0	21.40	21.51	21.61
		25	12	21.48	21.32	21.52
		25	25	21.36	21.21	21.48
		50	0	21.28	21.26	21.45
10M	64QAM	1	0	21.49	21.54	21.81
		1	24	21.41	21.37	21.74
		1	49	21.32	21.27	21.59
		25	0	20.47	20.47	20.60
		25	12	20.46	20.42	20.51
		25	25	20.36	20.19	20.52
		50	0	20.29	20.35	20.43
10M	256QAM	1	0	18.58	18.45	18.66
		1	24	18.35	18.38	18.59
		1	49	18.30	18.29	18.42
		25	0	18.55	18.41	18.55
		25	12	18.38	18.29	18.50
		25	25	18.37	18.36	18.39
		50	0	18.27	18.39	18.38

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		39675	40620	41565
		Frequency (MHz)		2498.5	2593	2687.5
5M	QPSK	1	0	23.51	23.34	23.62
		1	12	23.37	23.29	23.53
		1	24	23.29	23.17	23.46
		12	0	22.49	22.47	22.59
		12	6	22.46	22.31	22.54
		12	13	22.32	22.32	22.40
		25	0	22.36	22.34	22.47
5M	16QAM	1	0	22.44	22.55	22.62
		1	12	22.34	22.37	22.55
		1	24	22.29	22.24	22.42
		12	0	21.45	21.44	21.60
		12	6	21.46	21.38	21.45
		12	13	21.34	21.23	21.43
		25	0	21.25	21.30	21.50
5M	64QAM	1	0	21.46	21.54	21.78
		1	12	21.46	21.37	21.68
		1	24	21.35	21.32	21.65
		12	0	20.45	20.44	20.68
		12	6	20.47	20.49	20.50
		12	13	20.40	20.24	20.51
		25	0	20.32	20.34	20.46
5M	256QAM	1	0	18.55	18.48	18.68
		1	12	18.38	18.32	18.63
		1	24	18.34	18.27	18.48
		12	0	18.49	18.44	18.53
		12	6	18.38	18.27	18.47
		12	13	18.32	18.31	18.45
		25	0	18.29	18.34	18.41

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

7.1.15 LTE Band 66

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		132072	132322	132572
		Frequency (MHz)		1720	1745	1770
20M	QPSK	1	0	23.22	23.31	23.12
		1	50	23.18	23.24	23.03
		1	99	23.07	23.15	22.96
		50	0	22.03	22.21	21.85
		50	25	21.95	22.11	21.73
		50	50	21.91	22.02	21.84
		100	0	21.95	22.03	21.91
20M	16QAM	1	0	22.19	22.31	22.02
		1	50	22.08	22.24	21.91
		1	99	22.01	22.15	21.84
		50	0	21.13	21.25	20.95
		50	25	21.07	21.17	20.88
		50	50	21.00	21.09	20.85
		100	0	21.02	21.05	20.93
20M	64QAM	1	0	21.25	21.32	21.03
		1	50	21.13	21.23	21.03
		1	99	20.97	21.14	20.79
		50	0	20.08	20.25	19.95
		50	25	20.02	20.15	19.94
		50	50	19.94	20.08	19.79
		100	0	19.94	20.02	19.86
20M	256QAM	1	0	18.20	18.40	18.07
		1	50	18.16	18.32	17.96
		1	99	18.14	18.21	17.99
		50	0	18.06	18.22	17.88
		50	25	18.05	18.14	17.94
		50	50	17.89	18.03	17.71
		100	0	17.89	18.01	17.71

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		132047	132322	132597
		Frequency (MHz)		1717.5	1745	1772.5
15M	QPSK	1	0	23.17	23.27	23.04
		1	37	23.08	23.16	23.00
		1	74	23.00	23.11	22.94
		36	0	21.99	22.13	21.79
		36	19	21.92	22.04	21.75
		36	39	21.85	21.92	21.78
		75	0	21.85	22.03	21.88
15M	16QAM	1	0	22.19	22.24	21.98
		1	37	22.04	22.14	21.81
		1	74	21.95	22.09	21.75
		36	0	21.12	21.25	20.95
		36	19	21.07	21.13	20.83
		36	39	20.98	21.01	20.75
		75	0	20.92	21.04	20.89
15M	64QAM	1	0	21.18	21.32	21.02
		1	37	21.12	21.16	20.96
		1	74	20.90	21.13	20.72
		36	0	20.04	20.15	19.94
		36	19	19.93	20.15	19.89
		36	39	19.90	20.08	19.71
		75	0	19.89	19.96	19.76
15M	256QAM	1	0	18.12	18.40	18.01
		1	37	18.15	18.29	17.92
		1	74	18.14	18.12	17.93
		36	0	18.02	18.20	17.87
		36	19	17.97	18.08	17.85
		36	39	17.79	17.97	17.79
		75	0	17.89	17.93	17.72

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		132022	132322	132622
		Frequency (MHz)		1715	1745	1775
10M	QPSK	1	0	23.12	23.25	23.09
		1	24	23.13	23.21	22.97
		1	49	22.98	23.09	22.92
		25	0	22.03	22.20	21.80
		25	12	21.86	22.11	21.76
		25	25	21.91	21.96	21.74
		50	0	21.88	22.01	21.84
10M	16QAM	1	0	22.15	22.22	21.97
		1	24	22.08	22.14	21.90
		1	49	22.00	22.05	21.74
		25	0	21.07	21.16	20.88
		25	12	21.07	21.13	20.84
		25	25	20.97	21.09	20.79
		50	0	20.98	20.99	20.86
10M	64QAM	1	0	21.25	21.22	21.03
		1	24	21.12	21.21	21.02
		1	49	20.88	21.06	20.73
		25	0	20.04	20.19	19.87
		25	12	19.97	20.10	19.91
		25	25	19.85	20.04	19.75
		50	0	19.88	20.02	19.84
10M	256QAM	1	0	18.15	18.39	18.02
		1	24	18.08	18.26	17.91
		1	49	18.05	18.13	17.96
		25	0	17.96	18.13	17.84
		25	12	18.01	18.07	17.85
		25	25	17.85	18.03	17.82
		50	0	17.89	17.93	17.75

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		131997	132322	132647
		Frequency (MHz)		1712.5	1745	1777.5
5M	QPSK	1	0	23.20	23.30	23.03
		1	12	23.10	23.17	22.99
		1	24	23.05	23.13	22.90
		12	0	21.93	22.14	21.77
		12	6	21.87	22.06	21.75
		12	13	21.87	21.93	21.75
		25	0	21.94	22.02	21.83
5M	16QAM	1	0	22.14	22.25	22.00
		1	12	22.08	22.19	21.87
		1	24	21.98	22.10	21.82
		12	0	21.08	21.16	20.88
		12	6	21.04	21.11	20.82
		12	13	20.91	21.04	20.83
		25	0	20.93	21.01	20.93
5M	64QAM	1	0	21.18	21.28	21.00
		1	12	21.09	21.19	20.95
		1	24	20.87	21.07	20.74
		12	0	20.01	20.18	19.95
		12	6	19.96	20.12	19.87
		12	13	19.86	20.04	19.76
		25	0	19.84	19.97	19.80
5M	256QAM	1	0	18.12	18.33	17.99
		1	12	18.07	18.30	17.93
		1	24	18.13	18.19	17.98
		12	0	18.03	18.20	17.83
		12	6	17.95	18.04	17.84
		12	13	17.89	17.93	17.80
		25	0	17.85	17.99	17.72

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		131987	132322	132657
		Frequency (MHz)		1711.5	1745	1778.5
3M	QPSK	1	0	23.17	23.29	23.12
		1	7	23.18	23.19	22.94
		1	14	23.07	23.12	22.95
		8	0	22.01	22.19	21.77
		8	3	21.91	22.08	21.74
		8	7	21.90	22.02	21.78
		15	0	21.86	21.96	21.84
3M	16QAM	1	0	22.13	22.30	21.93
		1	7	22.02	22.17	21.81
		1	14	21.96	22.10	21.84
		8	0	21.07	21.20	20.93
		8	3	21.01	21.17	20.82
		8	7	20.90	21.04	20.85
		15	0	20.99	20.99	20.85
3M	64QAM	1	0	21.21	21.25	21.02
		1	7	21.08	21.13	20.98
		1	14	20.88	21.09	20.78
		8	0	20.03	20.23	19.93
		8	3	19.98	20.14	19.94
		8	7	19.88	20.02	19.72
		15	0	19.90	19.97	19.82
3M	256QAM	1	0	18.17	18.31	17.99
		1	7	18.06	18.24	17.88
		1	14	18.14	18.21	17.94
		8	0	18.00	18.14	17.87
		8	3	17.95	18.05	17.84
		8	7	17.84	17.99	17.81
		15	0	17.86	17.98	17.74

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		131979	132322	132665
		Frequency (MHz)		1710.7	1745	1779.3
1.4M	QPSK	1	0	23.18	23.22	23.12
		1	2	23.08	23.17	22.96
		1	5	22.99	23.07	22.96
		3	0	22.95	23.20	22.79
		3	1	22.95	23.11	22.72
		3	3	22.88	22.94	22.74
		6	0	21.91	22.00	21.83
1.4M	16QAM	1	0	22.10	22.26	22.00
		1	2	22.00	22.18	21.82
		1	5	22.00	22.10	21.79
		3	0	22.05	22.17	21.92
		3	1	21.98	22.07	21.86
		3	3	21.94	22.01	21.75
		6	0	20.96	21.04	20.88
1.4M	64QAM	1	0	21.19	21.32	21.02
		1	2	21.11	21.15	20.95
		1	5	20.90	21.11	20.75
		3	0	21.05	21.25	20.86
		3	1	20.98	21.14	20.92
		3	3	20.91	21.02	20.78
		6	0	19.87	19.97	19.82
1.4M	256QAM	1	0	18.17	18.34	18.00
		1	2	18.10	18.28	17.92
		1	5	18.07	18.15	17.96
		3	0	18.05	18.14	17.83
		3	1	17.96	18.08	17.89
		3	3	17.83	18.03	17.80
		6	0	17.82	17.96	17.74

EIRP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		132072	132322	132572
		Frequency (MHz)		1720	1745	1770
20M	QPSK	1	0	23.22	23.31	23.12
		1	50	23.18	23.24	23.03
		1	99	23.07	23.15	22.96
		50	0	22.03	22.21	21.85
		50	25	21.95	22.11	21.73
		50	50	21.91	22.02	21.84
		100	0	21.95	22.03	21.91
20M	16QAM	1	0	22.19	22.31	22.02
		1	50	22.08	22.24	21.91
		1	99	22.01	22.15	21.84
		50	0	21.13	21.25	20.95
		50	25	21.07	21.17	20.88
		50	50	21.00	21.09	20.85
		100	0	21.02	21.05	20.93
20M	64QAM	1	0	21.25	21.32	21.03
		1	50	21.13	21.23	21.03
		1	99	20.97	21.14	20.79
		50	0	20.08	20.25	19.95
		50	25	20.02	20.15	19.94
		50	50	19.94	20.08	19.79
		100	0	19.94	20.02	19.86
20M	256QAM	1	0	18.20	18.40	18.07
		1	50	18.16	18.32	17.96
		1	99	18.14	18.21	17.99
		50	0	18.06	18.22	17.88
		50	25	18.05	18.14	17.94
		50	50	17.89	18.03	17.71
		100	0	17.89	18.01	17.71

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		132047	132322	132597
		Frequency (MHz)		1717.5	1745	1772.5
15M	QPSK	1	0	23.17	23.27	23.04
		1	37	23.08	23.16	23.00
		1	74	23.00	23.11	22.94
		36	0	21.99	22.13	21.79
		36	19	21.92	22.04	21.75
		36	39	21.85	21.92	21.78
		75	0	21.85	22.03	21.88
15M	16QAM	1	0	22.19	22.24	21.98
		1	37	22.04	22.14	21.81
		1	74	21.95	22.09	21.75
		36	0	21.12	21.25	20.95
		36	19	21.07	21.13	20.83
		36	39	20.98	21.01	20.75
		75	0	20.92	21.04	20.89
15M	64QAM	1	0	21.18	21.32	21.02
		1	37	21.12	21.16	20.96
		1	74	20.90	21.13	20.72
		36	0	20.04	20.15	19.94
		36	19	19.93	20.15	19.89
		36	39	19.90	20.08	19.71
		75	0	19.89	19.96	19.76
15M	256QAM	1	0	18.12	18.40	18.01
		1	37	18.15	18.29	17.92
		1	74	18.14	18.12	17.93
		36	0	18.02	18.20	17.87
		36	19	17.97	18.08	17.85
		36	39	17.79	17.97	17.79
		75	0	17.89	17.93	17.72

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		132022	132322	132622
		Frequency (MHz)		1715	1745	1775
10M	QPSK	1	0	23.12	23.25	23.09
		1	24	23.13	23.21	22.97
		1	49	22.98	23.09	22.92
		25	0	22.03	22.20	21.80
		25	12	21.86	22.11	21.76
		25	25	21.91	21.96	21.74
		50	0	21.88	22.01	21.84
10M	16QAM	1	0	22.15	22.22	21.97
		1	24	22.08	22.14	21.90
		1	49	22.00	22.05	21.74
		25	0	21.07	21.16	20.88
		25	12	21.07	21.13	20.84
		25	25	20.97	21.09	20.79
		50	0	20.98	20.99	20.86
10M	64QAM	1	0	21.25	21.22	21.03
		1	24	21.12	21.21	21.02
		1	49	20.88	21.06	20.73
		25	0	20.04	20.19	19.87
		25	12	19.97	20.10	19.91
		25	25	19.85	20.04	19.75
		50	0	19.88	20.02	19.84
10M	256QAM	1	0	18.15	18.39	18.02
		1	24	18.08	18.26	17.91
		1	49	18.05	18.13	17.96
		25	0	17.96	18.13	17.84
		25	12	18.01	18.07	17.85
		25	25	17.85	18.03	17.82
		50	0	17.89	17.93	17.75

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		131997	132322	132647
		Frequency (MHz)		1712.5	1745	1777.5
5M	QPSK	1	0	23.20	23.30	23.03
		1	12	23.10	23.17	22.99
		1	24	23.05	23.13	22.90
		12	0	21.93	22.14	21.77
		12	6	21.87	22.06	21.75
		12	13	21.87	21.93	21.75
		25	0	21.94	22.02	21.83
5M	16QAM	1	0	22.14	22.25	22.00
		1	12	22.08	22.19	21.87
		1	24	21.98	22.10	21.82
		12	0	21.08	21.16	20.88
		12	6	21.04	21.11	20.82
		12	13	20.91	21.04	20.83
		25	0	20.93	21.01	20.93
5M	64QAM	1	0	21.18	21.28	21.00
		1	12	21.09	21.19	20.95
		1	24	20.87	21.07	20.74
		12	0	20.01	20.18	19.95
		12	6	19.96	20.12	19.87
		12	13	19.86	20.04	19.76
		25	0	19.84	19.97	19.80
5M	256QAM	1	0	18.12	18.33	17.99
		1	12	18.07	18.30	17.93
		1	24	18.13	18.19	17.98
		12	0	18.03	18.20	17.83
		12	6	17.95	18.04	17.84
		12	13	17.89	17.93	17.80
		25	0	17.85	17.99	17.72

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		131987	132322	132657
		Frequency (MHz)		1711.5	1745	1778.5
3M	QPSK	1	0	23.17	23.29	23.12
		1	7	23.18	23.19	22.94
		1	14	23.07	23.12	22.95
		8	0	22.01	22.19	21.77
		8	3	21.91	22.08	21.74
		8	7	21.90	22.02	21.78
		15	0	21.86	21.96	21.84
3M	16QAM	1	0	22.13	22.30	21.93
		1	7	22.02	22.17	21.81
		1	14	21.96	22.10	21.84
		8	0	21.07	21.20	20.93
		8	3	21.01	21.17	20.82
		8	7	20.90	21.04	20.85
		15	0	20.99	20.99	20.85
3M	64QAM	1	0	21.21	21.25	21.02
		1	7	21.08	21.13	20.98
		1	14	20.88	21.09	20.78
		8	0	20.03	20.23	19.93
		8	3	19.98	20.14	19.94
		8	7	19.88	20.02	19.72
		15	0	19.90	19.97	19.82
3M	256QAM	1	0	18.17	18.31	17.99
		1	7	18.06	18.24	17.88
		1	14	18.14	18.21	17.94
		8	0	18.00	18.14	17.87
		8	3	17.95	18.05	17.84
		8	7	17.84	17.99	17.81
		15	0	17.86	17.98	17.74

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

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		131979	132322	132665
		Frequency (MHz)		1710.7	1745	1779.3
1.4M	QPSK	1	0	23.18	23.22	23.12
		1	2	23.08	23.17	22.96
		1	5	22.99	23.07	22.96
		3	0	22.95	23.20	22.79
		3	1	22.95	23.11	22.72
		3	3	22.88	22.94	22.74
		6	0	21.91	22.00	21.83
1.4M	16QAM	1	0	22.10	22.26	22.00
		1	2	22.00	22.18	21.82
		1	5	22.00	22.10	21.79
		3	0	22.05	22.17	21.92
		3	1	21.98	22.07	21.86
		3	3	21.94	22.01	21.75
		6	0	20.96	21.04	20.88
1.4M	64QAM	1	0	21.19	21.32	21.02
		1	2	21.11	21.15	20.95
		1	5	20.90	21.11	20.75
		3	0	21.05	21.25	20.86
		3	1	20.98	21.14	20.92
		3	3	20.91	21.02	20.78
		6	0	19.87	19.97	19.82
1.4M	256QAM	1	0	18.17	18.34	18.00
		1	2	18.10	18.28	17.92
		1	5	18.07	18.15	17.96
		3	0	18.05	18.14	17.83
		3	1	17.96	18.08	17.89
		3	3	17.83	18.03	17.80
		6	0	17.82	17.96	17.74

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

7.1.16 LTE Band 71

Conducted Output Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133222	133297	133372
		Frequency (MHz)		673	680.5	688
20M	QPSK	1	0	23.54	23.74	23.60
		1	50	23.47	23.66	23.58
		1	99	23.33	23.54	23.48
		50	0	22.46	22.66	22.57
		50	25	22.36	22.58	22.48
		50	50	22.30	22.49	22.43
		100	0	22.34	22.51	22.45
20M	16QAM	1	0	22.58	22.84	22.75
		1	50	22.45	22.76	22.76
		1	99	22.38	22.64	22.58
		50	0	21.45	21.77	21.67
		50	25	21.41	21.66	21.61
		50	50	21.31	21.53	21.53
		100	0	21.28	21.58	21.57
20M	64QAM	1	0	21.53	21.75	21.69
		1	50	21.42	21.66	21.65
		1	99	21.36	21.58	21.56
		50	0	20.54	20.73	20.68
		50	25	20.33	20.64	20.57
		50	50	20.31	20.56	20.49
		100	0	20.41	20.59	20.57
20M	256QAM	1	0	18.63	18.88	18.78
		1	50	18.58	18.80	18.72
		1	99	18.42	18.71	18.62
		50	0	18.51	18.72	18.64
		50	25	18.32	18.64	18.58
		50	50	18.29	18.55	18.55
		100	0	18.34	18.56	18.53

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133197	133297	133397
		Frequency (MHz)		670.5	680.5	690.5
15M	QPSK	1	0	23.49	23.65	23.59
		1	37	23.46	23.58	23.54
		1	74	23.31	23.53	23.44
		36	0	22.38	22.58	22.51
		36	19	22.27	22.55	22.46
		36	39	22.20	22.40	22.40
		75	0	22.24	22.47	22.43
15M	16QAM	1	0	22.52	22.82	22.69
		1	37	22.44	22.70	22.66
		1	74	22.36	22.54	22.48
		36	0	21.38	21.73	21.67
		36	19	21.33	21.63	21.56
		36	39	21.26	21.50	21.51
		75	0	21.27	21.48	21.54
15M	64QAM	1	0	21.48	21.71	21.66
		1	37	21.40	21.58	21.60
		1	74	21.29	21.49	21.48
		36	0	20.44	20.73	20.66
		36	19	20.29	20.55	20.50
		36	39	20.21	20.55	20.41
		75	0	20.41	20.54	20.52
15M	256QAM	1	0	18.53	18.87	18.75
		1	37	18.55	18.80	18.70
		1	74	18.38	18.69	18.62
		36	0	18.48	18.64	18.56
		36	19	18.25	18.60	18.55
		36	39	18.24	18.49	18.46
		75	0	18.33	18.48	18.46

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133172	133297	133422
		Frequency (MHz)		668	680.5	693
10M	QPSK	1	0	23.52	23.69	23.60
		1	24	23.46	23.61	23.54
		1	49	23.28	23.49	23.41
		25	0	22.38	22.62	22.50
		25	12	22.27	22.52	22.48
		25	25	22.25	22.39	22.39
		50	0	22.27	22.44	22.42
10M	16QAM	1	0	22.56	22.79	22.68
		1	24	22.43	22.66	22.72
		1	49	22.38	22.54	22.53
		25	0	21.44	21.67	21.60
		25	12	21.31	21.57	21.51
		25	25	21.28	21.49	21.47
		50	0	21.21	21.50	21.56
10M	64QAM	1	0	21.51	21.71	21.60
		1	24	21.34	21.63	21.59
		1	49	21.36	21.49	21.51
		25	0	20.46	20.73	20.60
		25	12	20.28	20.62	20.54
		25	25	20.21	20.47	20.47
		50	0	20.37	20.52	20.52
10M	256QAM	1	0	18.61	18.79	18.70
		1	24	18.57	18.76	18.72
		1	49	18.41	18.62	18.53
		25	0	18.46	18.66	18.61
		25	12	18.29	18.61	18.52
		25	25	18.21	18.47	18.49
		50	0	18.27	18.46	18.50

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133147	133297	133447
		Frequency (MHz)		665.5	680.5	695.5
5M	QPSK	1	0	23.51	23.65	23.52
		1	12	23.45	23.63	23.51
		1	24	23.29	23.44	23.48
		12	0	22.42	22.57	22.57
		12	6	22.28	22.52	22.39
		12	13	22.30	22.48	22.34
		25	0	22.26	22.50	22.41
5M	16QAM	1	0	22.48	22.84	22.71
		1	12	22.38	22.71	22.76
		1	24	22.36	22.64	22.48
		12	0	21.44	21.76	21.62
		12	6	21.39	21.62	21.57
		12	13	21.30	21.45	21.48
		25	0	21.28	21.52	21.50
5M	64QAM	1	0	21.46	21.72	21.67
		1	12	21.36	21.57	21.56
		1	24	21.26	21.54	21.53
		12	0	20.48	20.70	20.58
		12	6	20.23	20.56	20.56
		12	13	20.31	20.54	20.49
		25	0	20.31	20.51	20.52
5M	256QAM	1	0	18.58	18.82	18.74
		1	12	18.53	18.73	18.71
		1	24	18.41	18.67	18.54
		12	0	18.47	18.67	18.57
		12	6	18.27	18.56	18.48
		12	13	18.23	18.53	18.46
		25	0	18.30	18.50	18.47

ERP Power (dBm)

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133222	133297	133372
		Frequency (MHz)		673	680.5	688
20M	QPSK	1	0	15.19	15.39	15.25
		1	50	15.12	15.31	15.23
		1	99	14.98	15.19	15.13
		50	0	14.11	14.31	14.22
		50	25	14.01	14.23	14.13
		50	50	13.95	14.14	14.08
		100	0	13.99	14.16	14.10
20M	16QAM	1	0	14.23	14.49	14.40
		1	50	14.10	14.41	14.41
		1	99	14.03	14.29	14.23
		50	0	13.10	13.42	13.32
		50	25	13.06	13.31	13.26
		50	50	12.96	13.18	13.18
		100	0	12.93	13.23	13.22
20M	64QAM	1	0	13.18	13.40	13.34
		1	50	13.07	13.31	13.30
		1	99	13.01	13.23	13.21
		50	0	12.19	12.38	12.33
		50	25	11.98	12.29	12.22
		50	50	11.96	12.21	12.14
		100	0	12.06	12.24	12.22
20M	256QAM	1	0	10.28	10.53	10.43
		1	50	10.23	10.45	10.37
		1	99	10.07	10.36	10.27
		50	0	10.16	10.37	10.29
		50	25	9.97	10.29	10.23
		50	50	9.94	10.20	10.20
		100	0	9.99	10.21	10.18

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133197	133297	133397
		Frequency (MHz)		670.5	680.5	690.5
15M	QPSK	1	0	15.14	15.30	15.24
		1	37	15.11	15.23	15.19
		1	74	14.96	15.18	15.09
		36	0	14.03	14.23	14.16
		36	19	13.92	14.20	14.11
		36	39	13.85	14.05	14.05
		75	0	13.89	14.12	14.08
15M	16QAM	1	0	14.17	14.47	14.34
		1	37	14.09	14.35	14.31
		1	74	14.01	14.19	14.13
		36	0	13.03	13.38	13.32
		36	19	12.98	13.28	13.21
		36	39	12.91	13.15	13.16
		75	0	12.92	13.13	13.19
15M	64QAM	1	0	13.13	13.36	13.31
		1	37	13.05	13.23	13.25
		1	74	12.94	13.14	13.13
		36	0	12.09	12.38	12.31
		36	19	11.94	12.20	12.15
		36	39	11.86	12.20	12.06
		75	0	12.06	12.19	12.17
15M	256QAM	1	0	10.18	10.52	10.40
		1	37	10.20	10.45	10.35
		1	74	10.03	10.34	10.27
		36	0	10.13	10.29	10.21
		36	19	9.90	10.25	10.20
		36	39	9.89	10.14	10.11
		75	0	9.98	10.13	10.11

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133172	133297	133422
		Frequency (MHz)		668	680.5	693
10M	QPSK	1	0	15.17	15.34	15.25
		1	24	15.11	15.26	15.19
		1	49	14.93	15.14	15.06
		25	0	14.03	14.27	14.15
		25	12	13.92	14.17	14.13
		25	25	13.90	14.04	14.04
		50	0	13.92	14.09	14.07
10M	16QAM	1	0	14.21	14.44	14.33
		1	24	14.08	14.31	14.37
		1	49	14.03	14.19	14.18
		25	0	13.09	13.32	13.25
		25	12	12.96	13.22	13.16
		25	25	12.93	13.14	13.12
		50	0	12.86	13.15	13.21
10M	64QAM	1	0	13.16	13.36	13.25
		1	24	12.99	13.28	13.24
		1	49	13.01	13.14	13.16
		25	0	12.11	12.38	12.25
		25	12	11.93	12.27	12.19
		25	25	11.86	12.12	12.12
		50	0	12.02	12.17	12.17
10M	256QAM	1	0	10.26	10.44	10.35
		1	24	10.22	10.41	10.37
		1	49	10.06	10.27	10.18
		25	0	10.11	10.31	10.26
		25	12	9.94	10.26	10.17
		25	25	9.86	10.12	10.14
		50	0	9.92	10.11	10.15

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

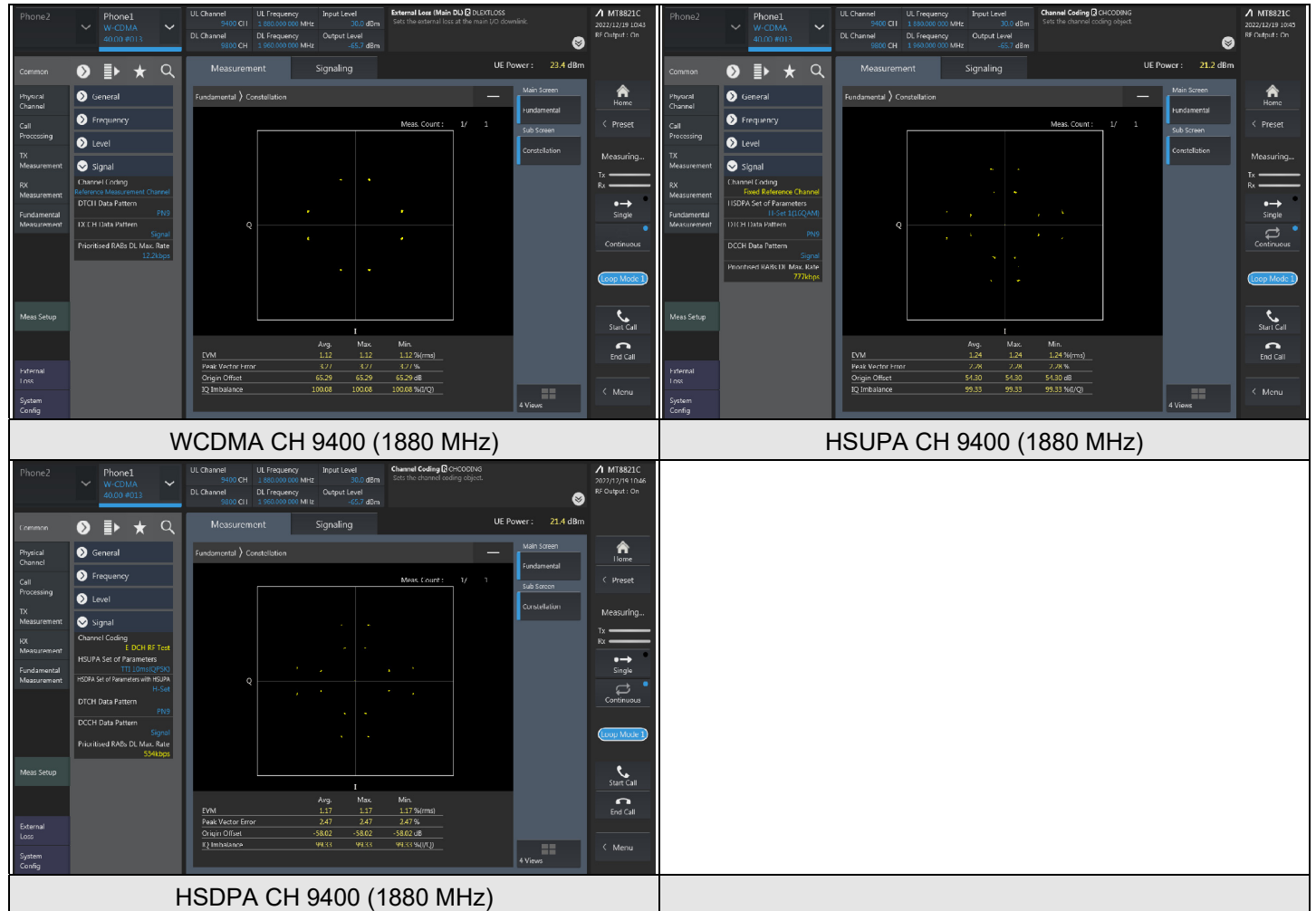
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133147	133297	133447
		Frequency (MHz)		665.5	680.5	695.5
5M	QPSK	1	0	15.16	15.30	15.17
		1	12	15.10	15.28	15.16
		1	24	14.94	15.09	15.13
		12	0	14.07	14.22	14.22
		12	6	13.93	14.17	14.04
		12	13	13.95	14.13	13.99
		25	0	13.91	14.15	14.06
5M	16QAM	1	0	14.13	14.49	14.36
		1	12	14.03	14.36	14.41
		1	24	14.01	14.29	14.13
		12	0	13.09	13.41	13.27
		12	6	13.04	13.27	13.22
		12	13	12.95	13.10	13.13
		25	0	12.93	13.17	13.15
5M	64QAM	1	0	13.11	13.37	13.32
		1	12	13.01	13.22	13.21
		1	24	12.91	13.19	13.18
		12	0	12.13	12.35	12.23
		12	6	11.88	12.21	12.21
		12	13	11.96	12.19	12.14
		25	0	11.96	12.16	12.17
5M	256QAM	1	0	10.23	10.47	10.39
		1	12	10.18	10.38	10.36
		1	24	10.06	10.32	10.19
		12	0	10.12	10.32	10.22
		12	6	9.92	10.21	10.13
		12	13	9.88	10.18	10.11
		25	0	9.95	10.15	10.12

*ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

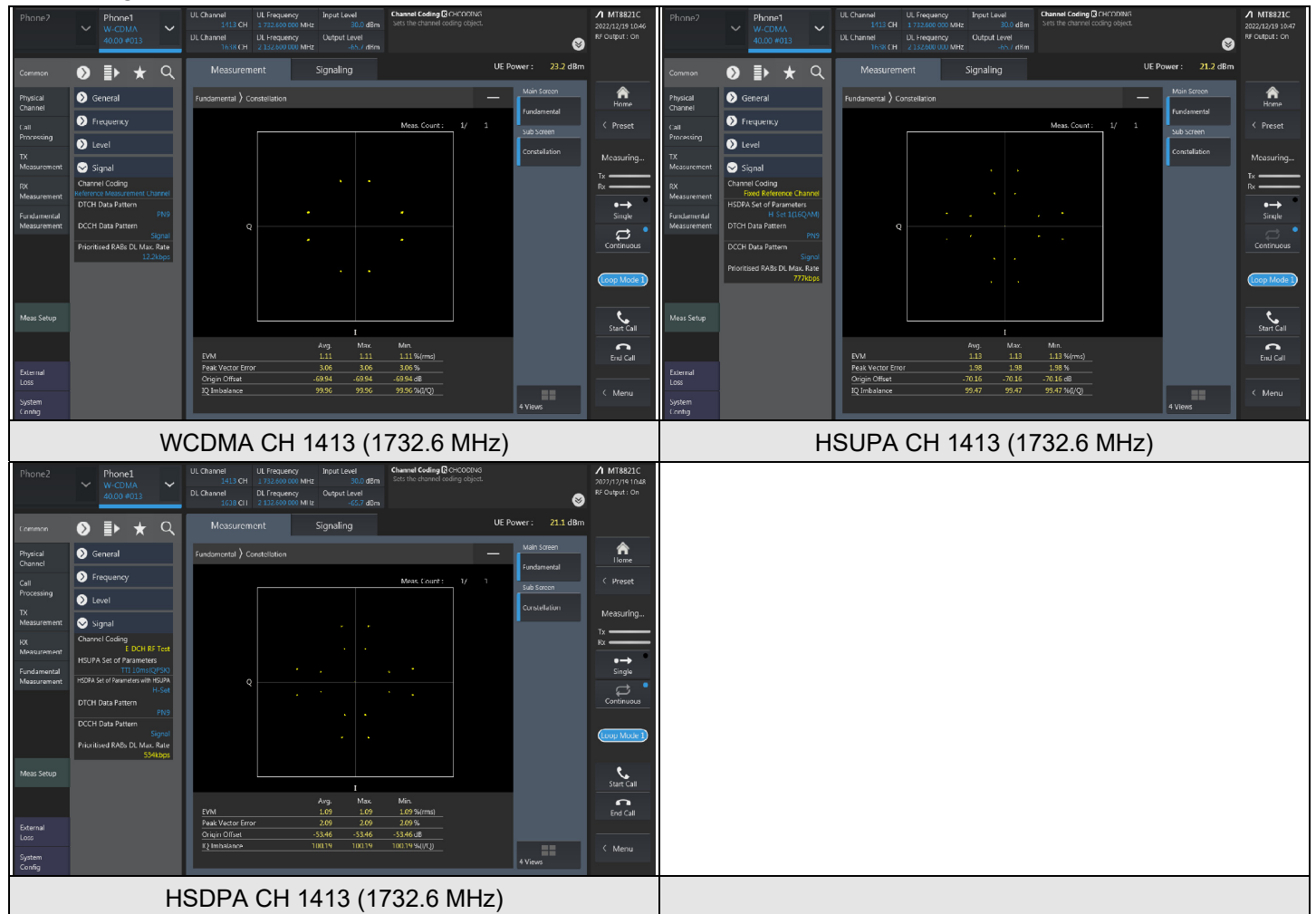
7.2 Modulation Characteristics

Input Power:	3.87 Vdc	Environmental Conditions:	21°C, 70% RH	Tested By:	Willy Cheng
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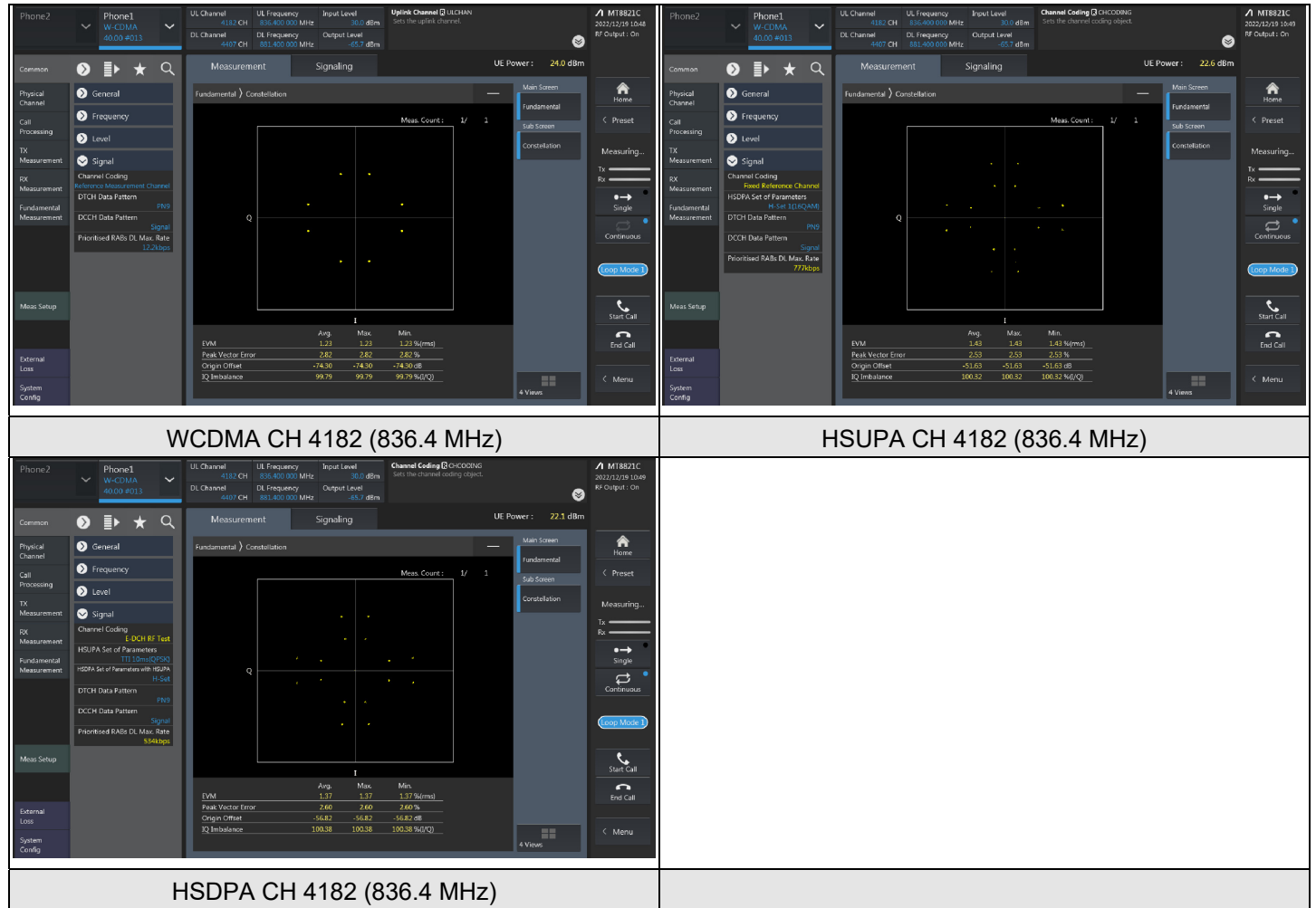
7.2.1 WCDMA Band 2



7.2.2 WCDMA Band 4

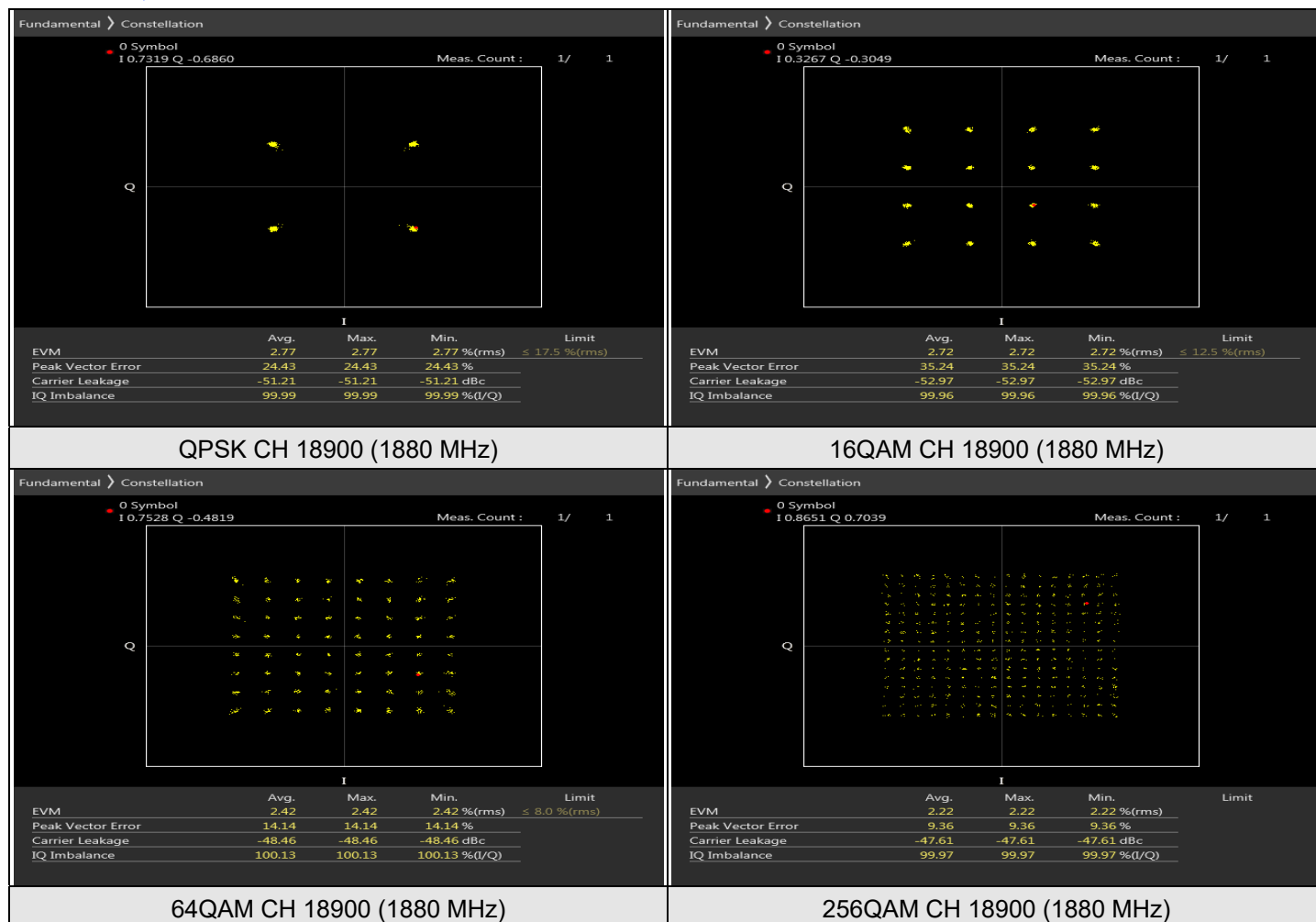


7.2.3 WCDMA Band 5



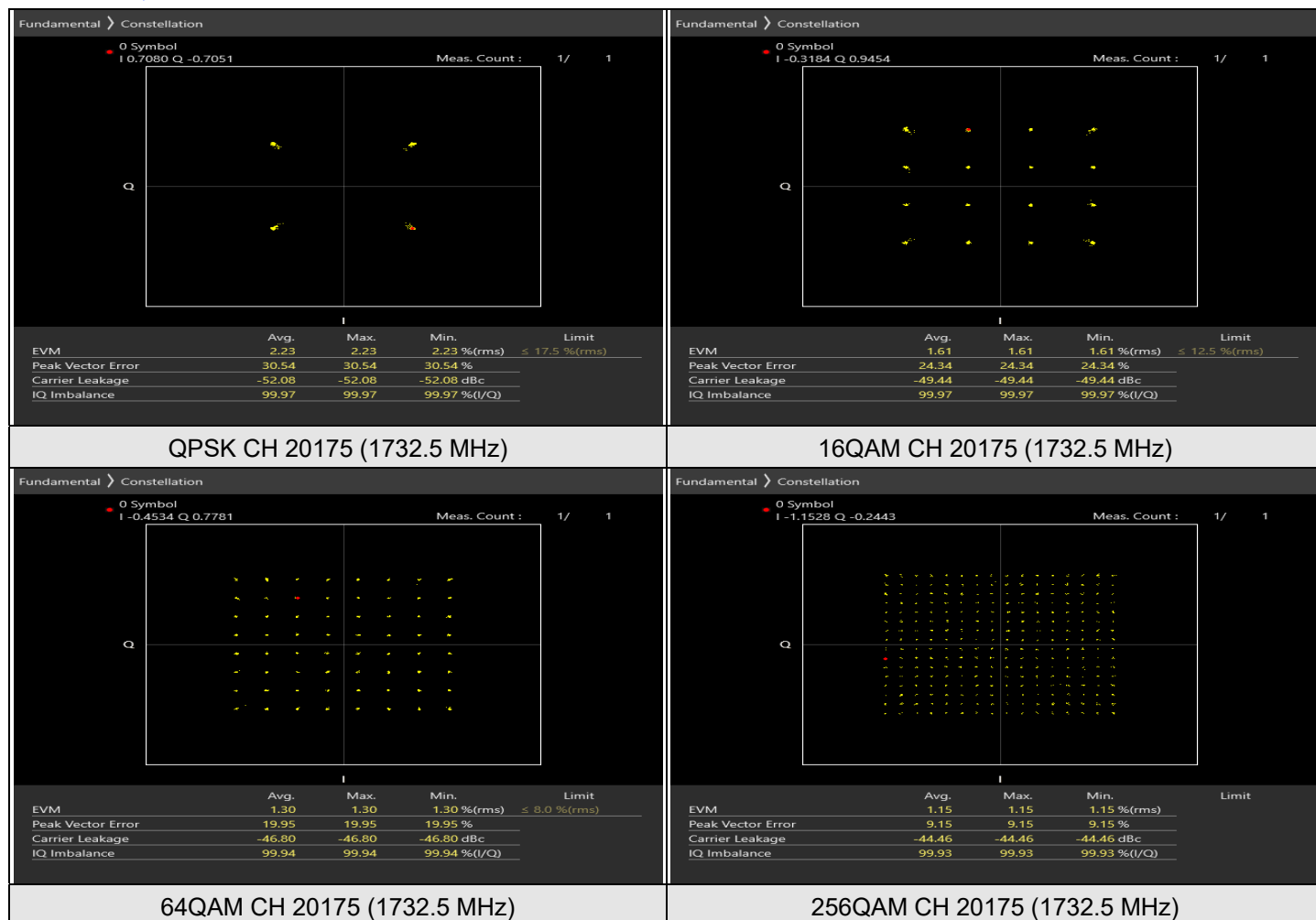
7.2.4 LTE Band 2

LTE Band 2, Channel Bandwidth: 20 MHz



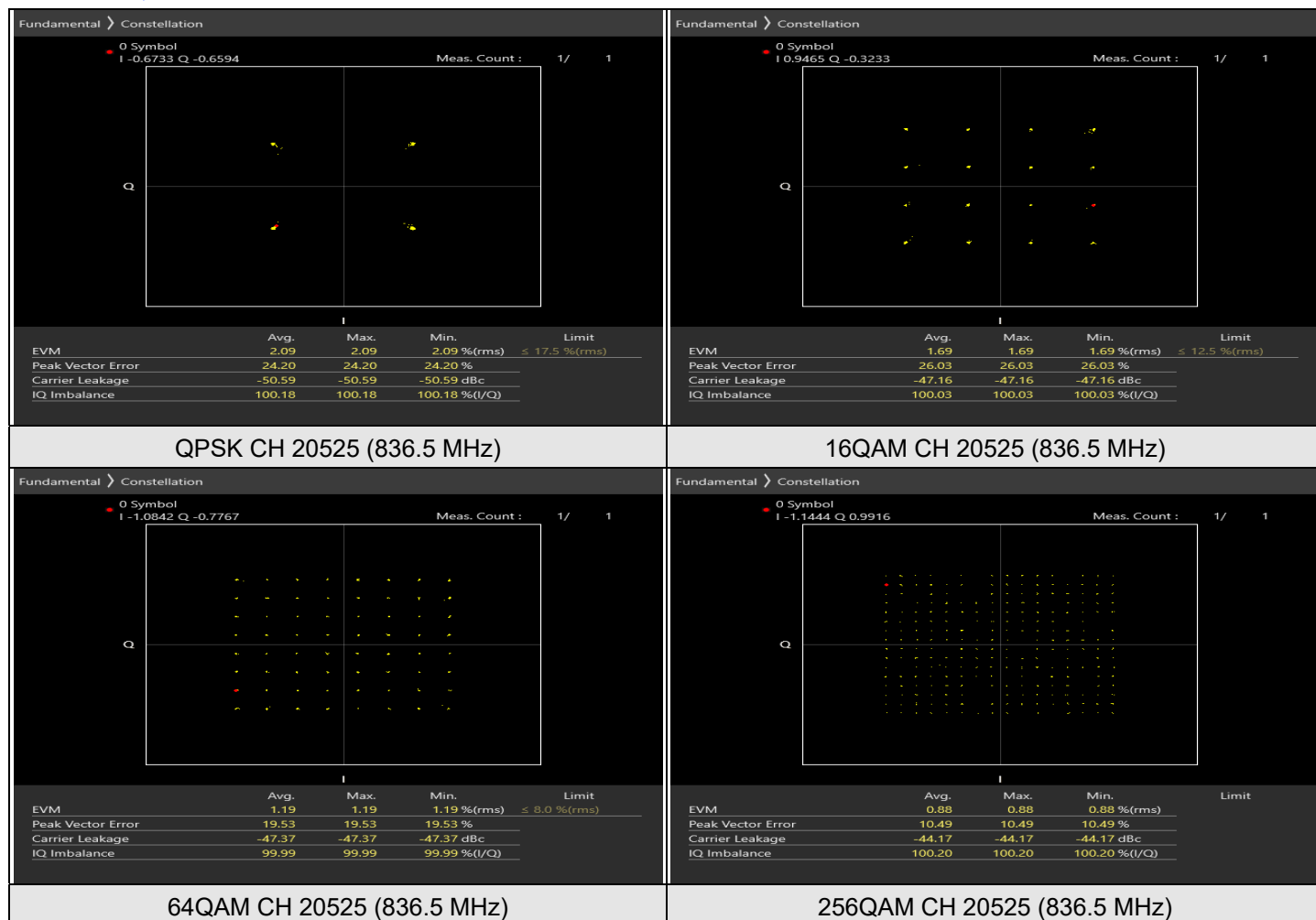
7.2.5 LTE Band 4

LTE Band 4, Channel Bandwidth: 20 MHz



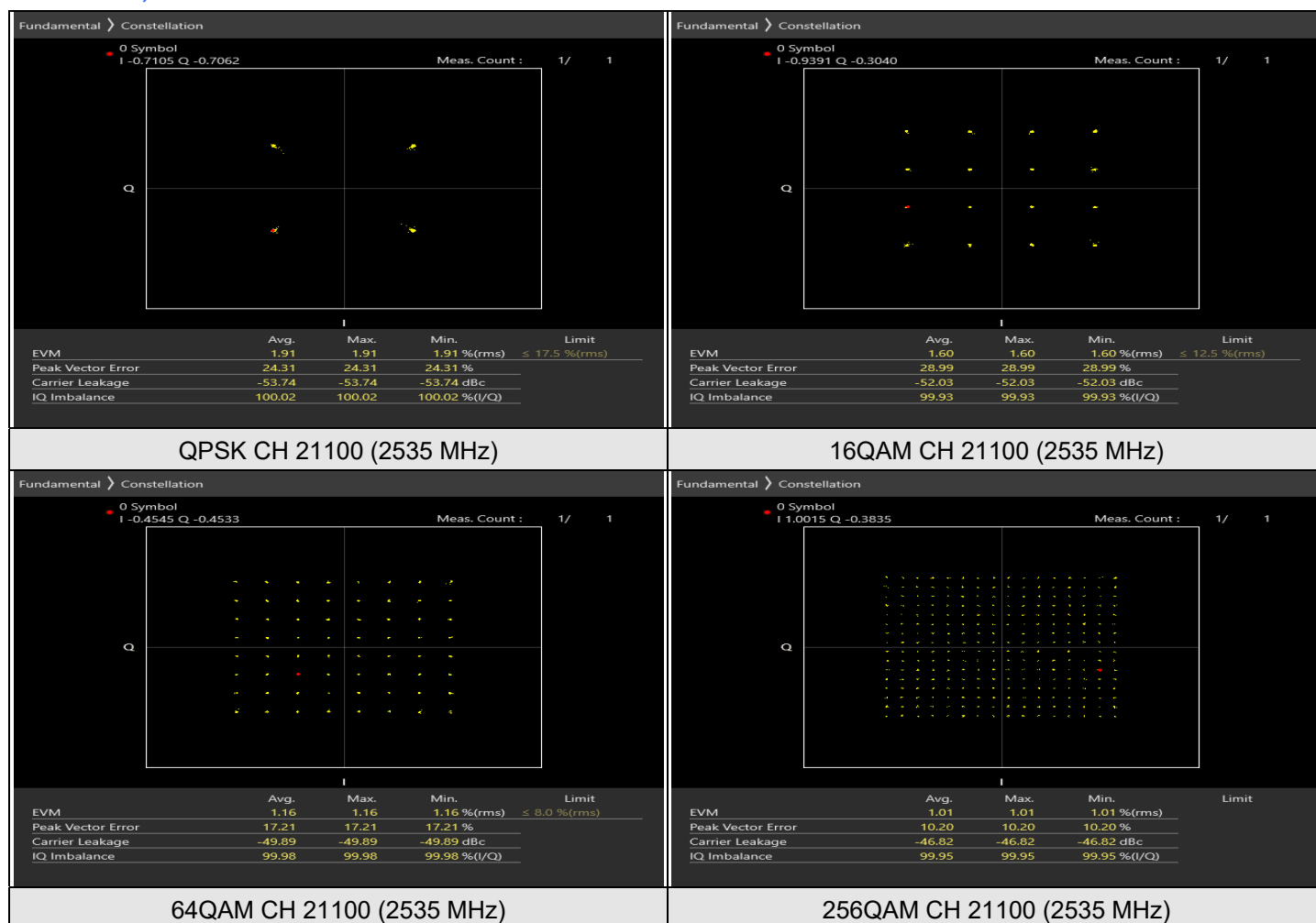
7.2.6 LTE Band 5

LTE Band 5, Channel Bandwidth: 10 MHz



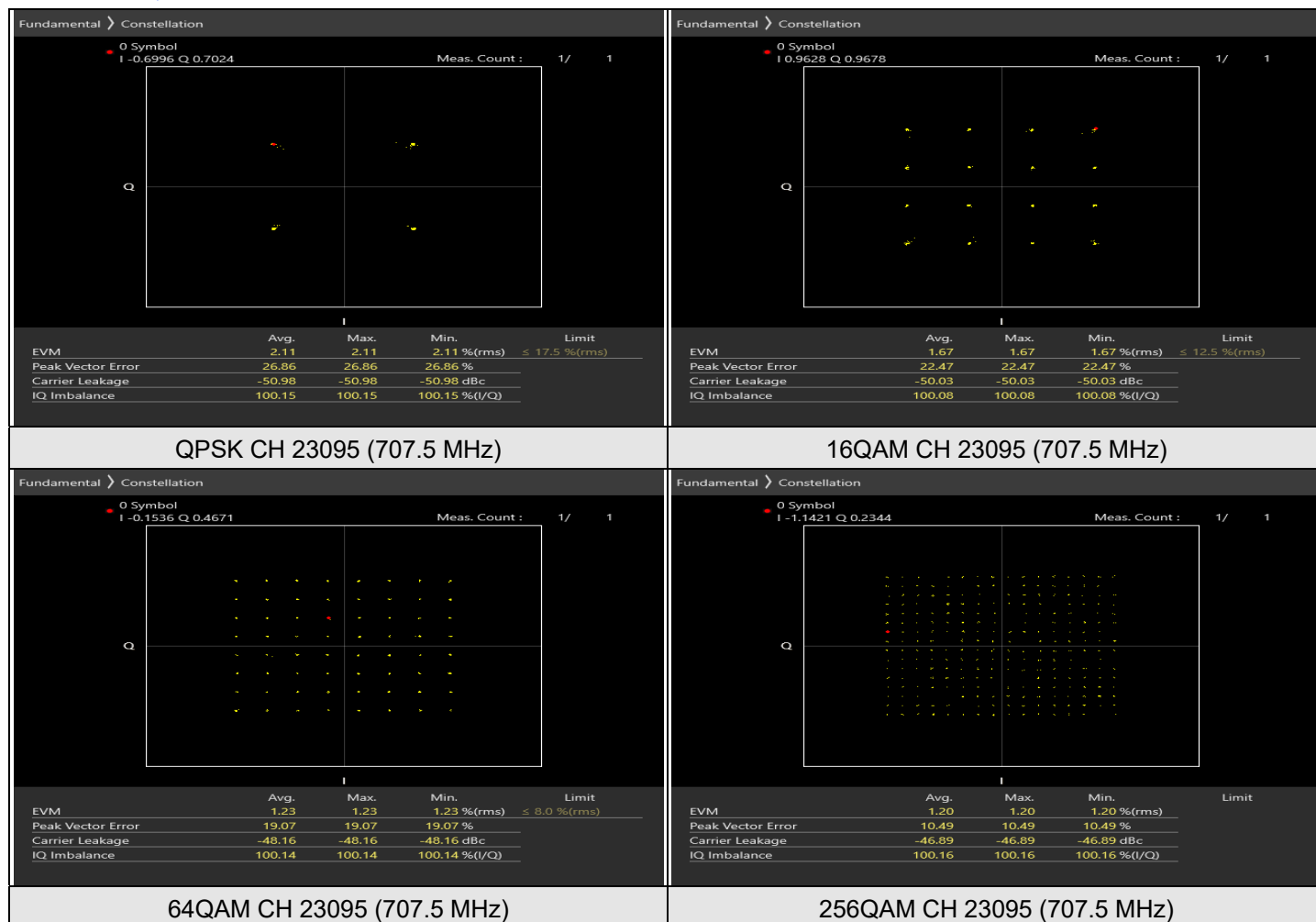
7.2.7 LTE Band 7

LTE Band 7, Channel Bandwidth: 20 MHz



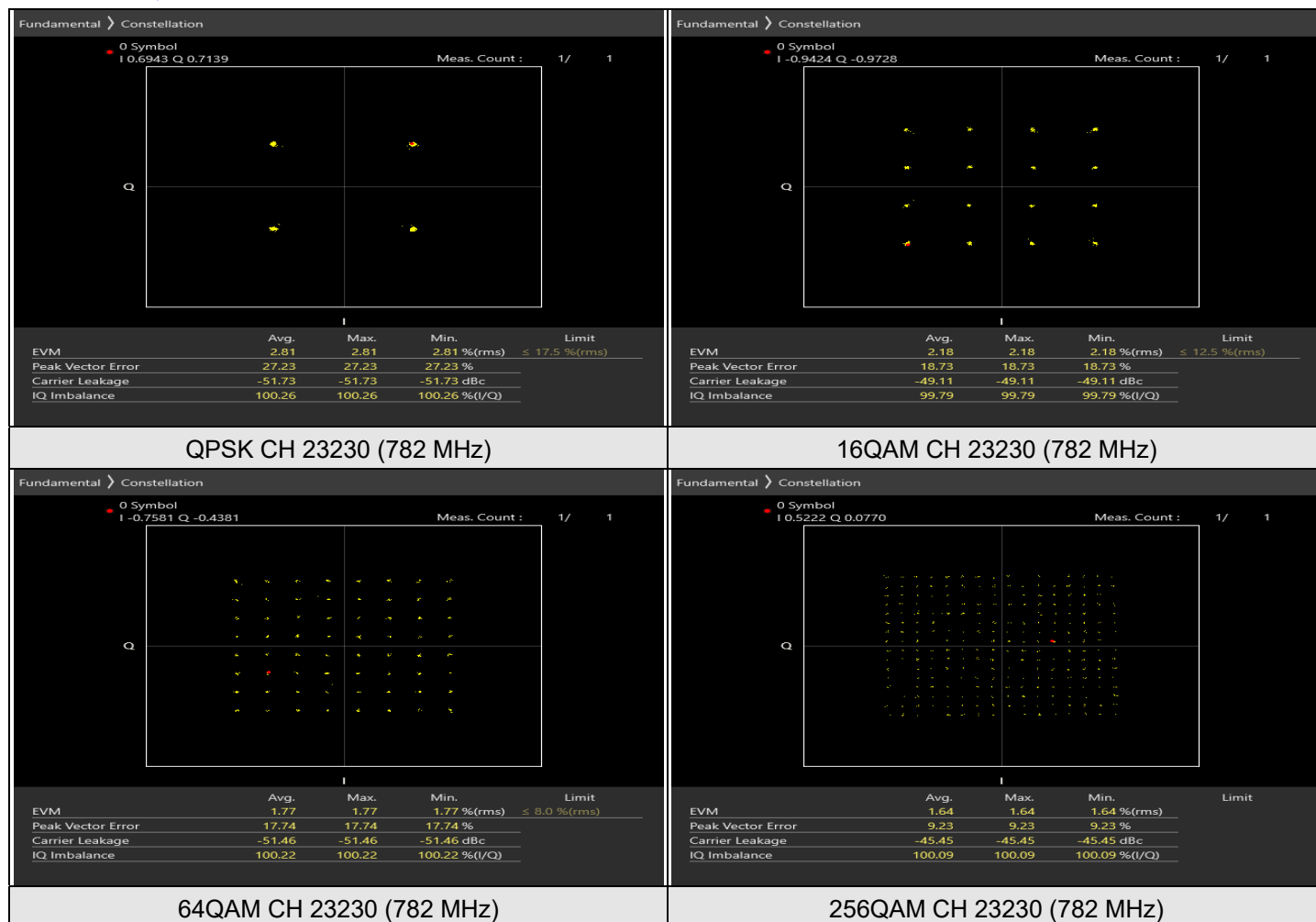
7.2.8 LTE Band 12

LTE Band 12, Channel Bandwidth: 10 MHz



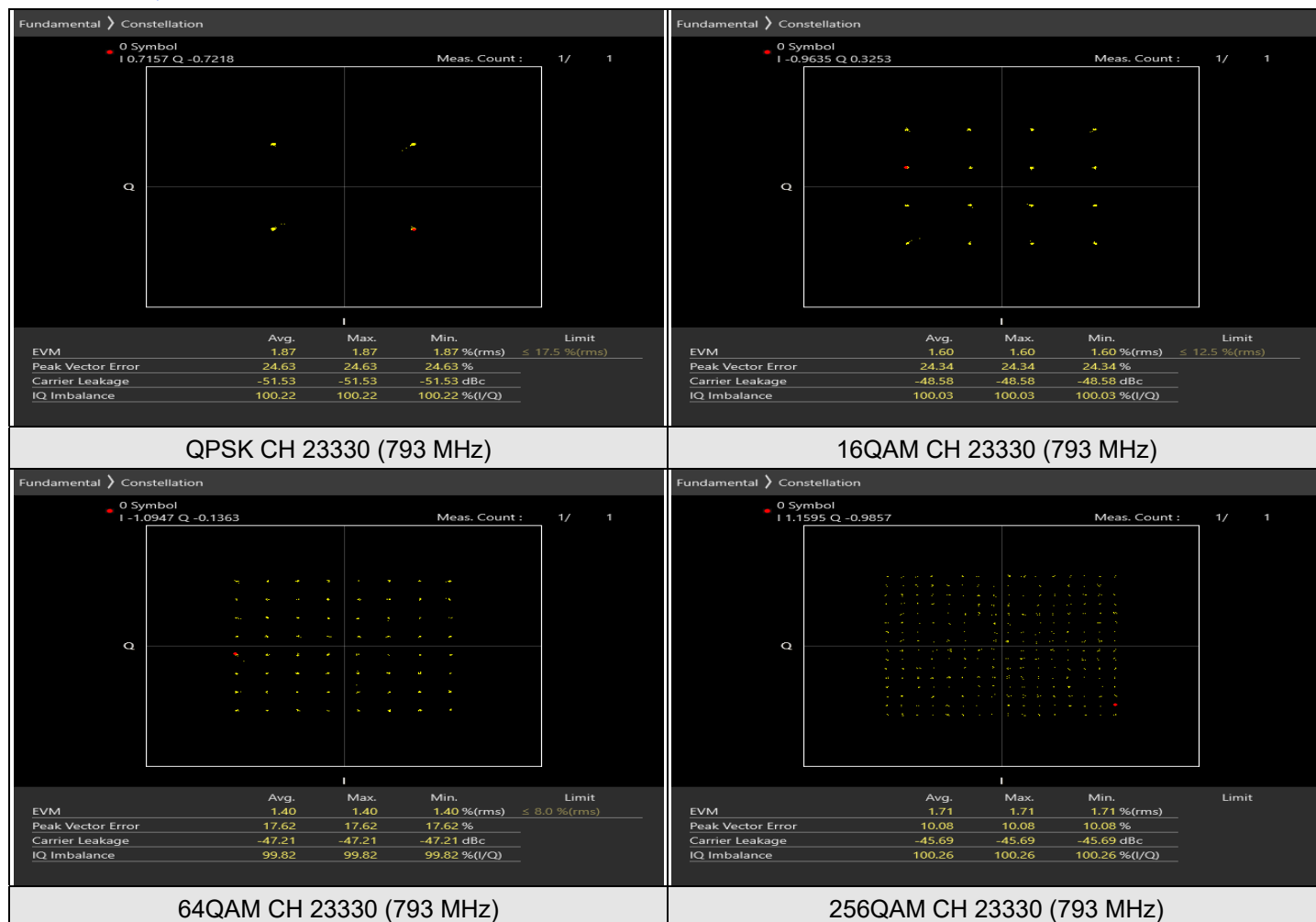
7.2.9 LTE Band 13

LTE Band 13, Channel Bandwidth: 10 MHz



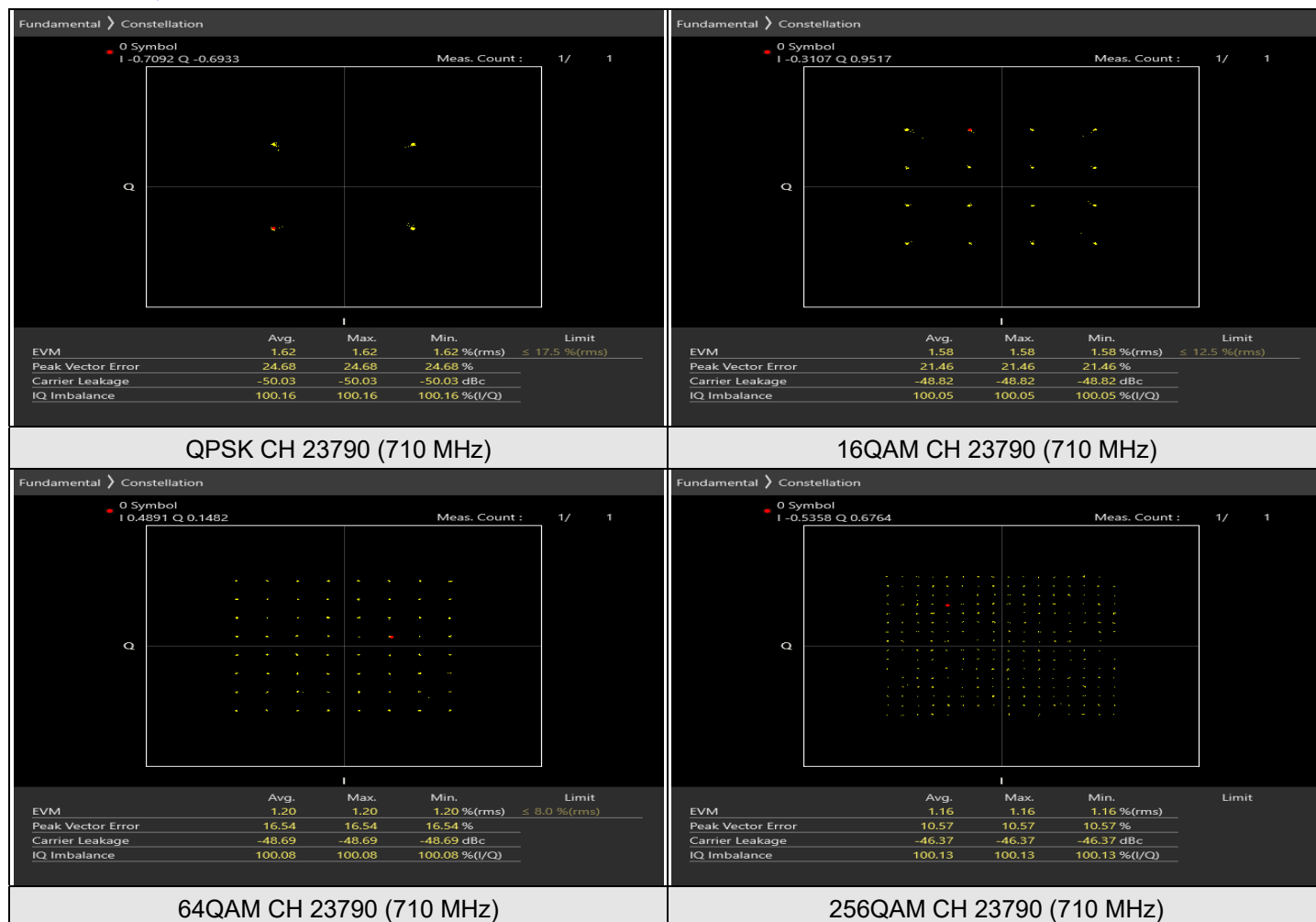
7.2.10 LTE Band 14

LTE Band 14, Channel Bandwidth: 10 MHz



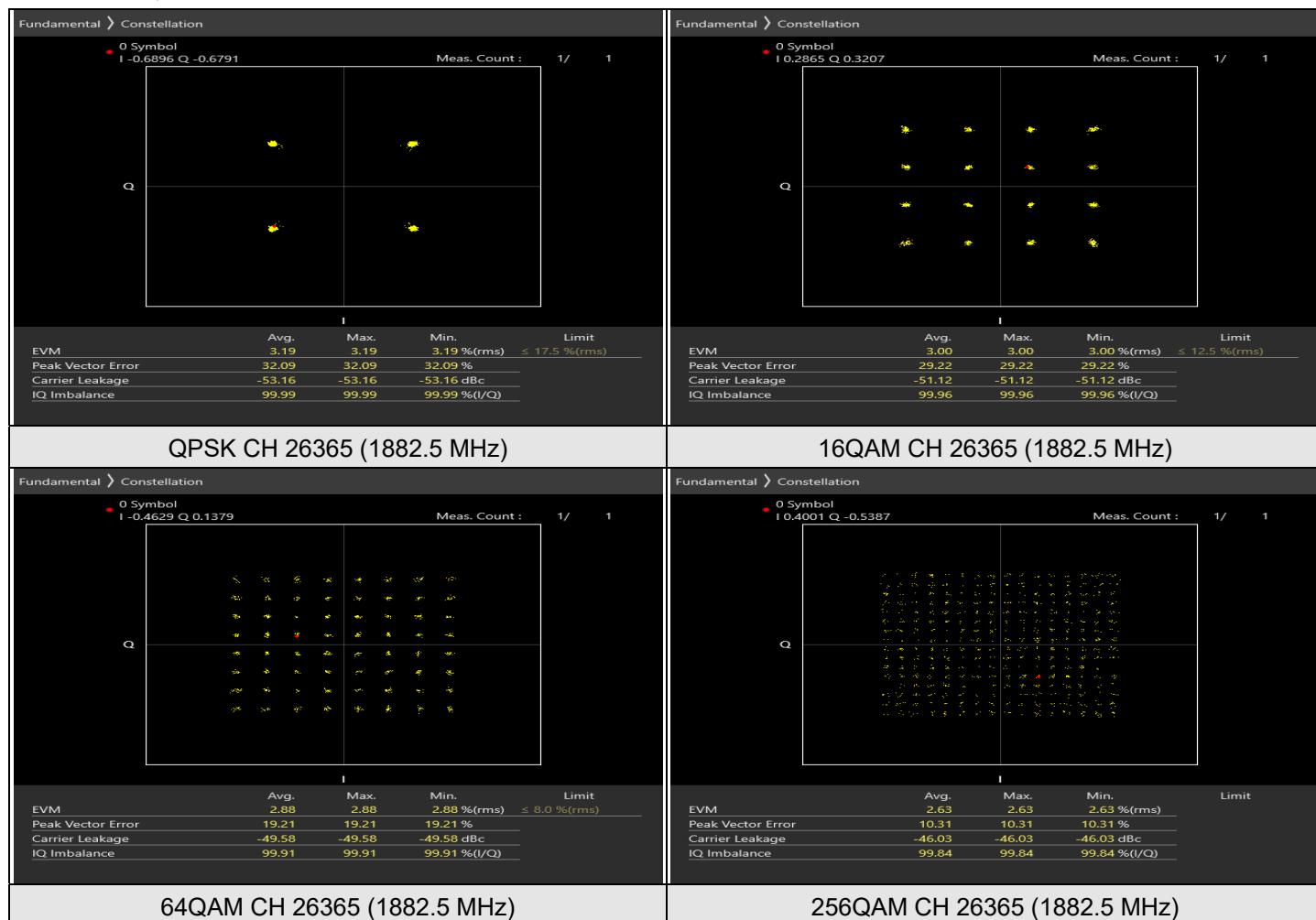
7.2.11 LTE Band 17

LTE Band 17, Channel Bandwidth: 10 MHz



7.2.12 LTE Band 25

LTE Band 25, Channel Bandwidth: 20 MHz



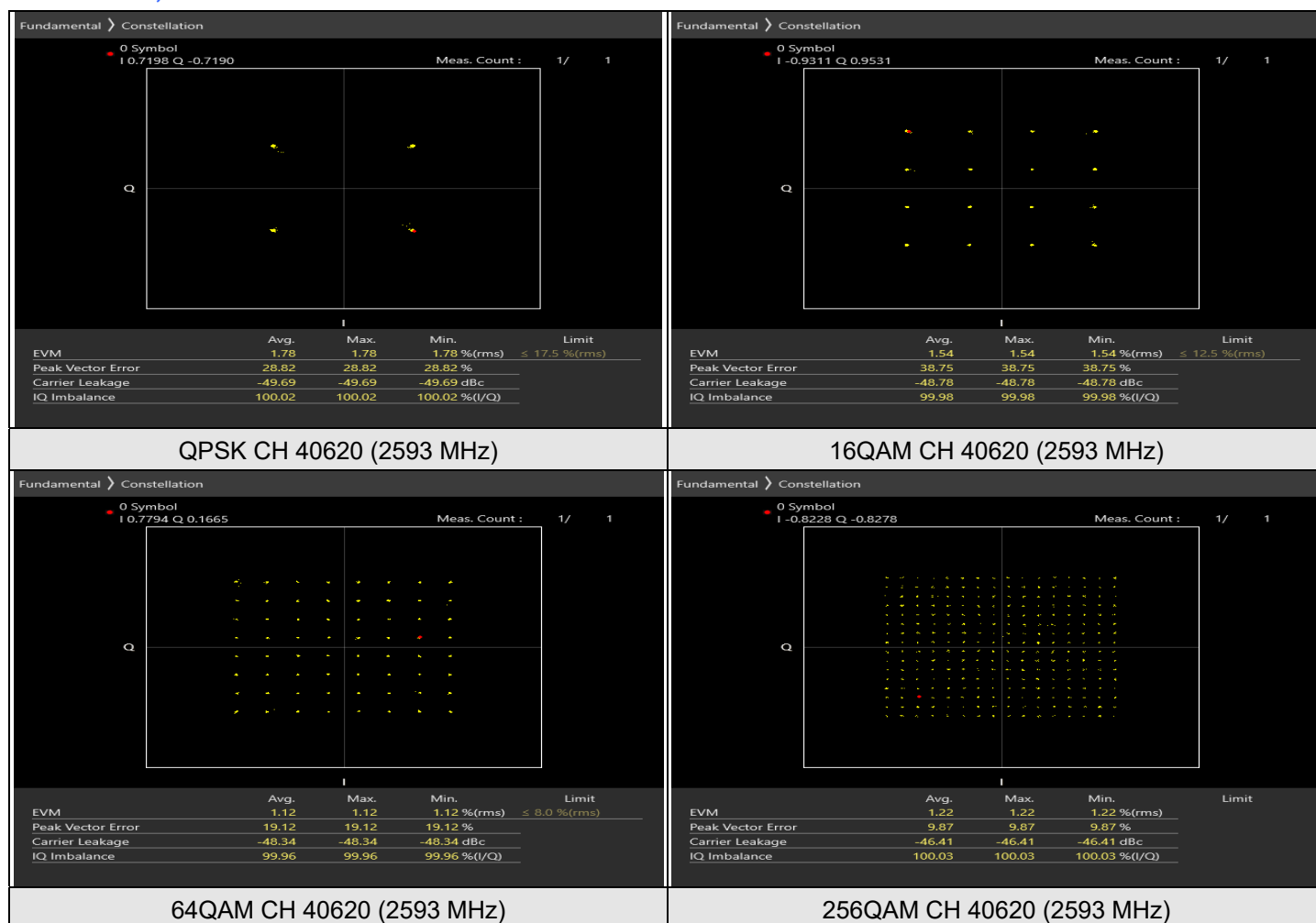
7.2.13 LTE Band 30

LTE Band 30, Channel Bandwidth: 10 MHz



7.2.14 LTE Band 41

LTE Band 41, Channel Bandwidth: 20 MHz



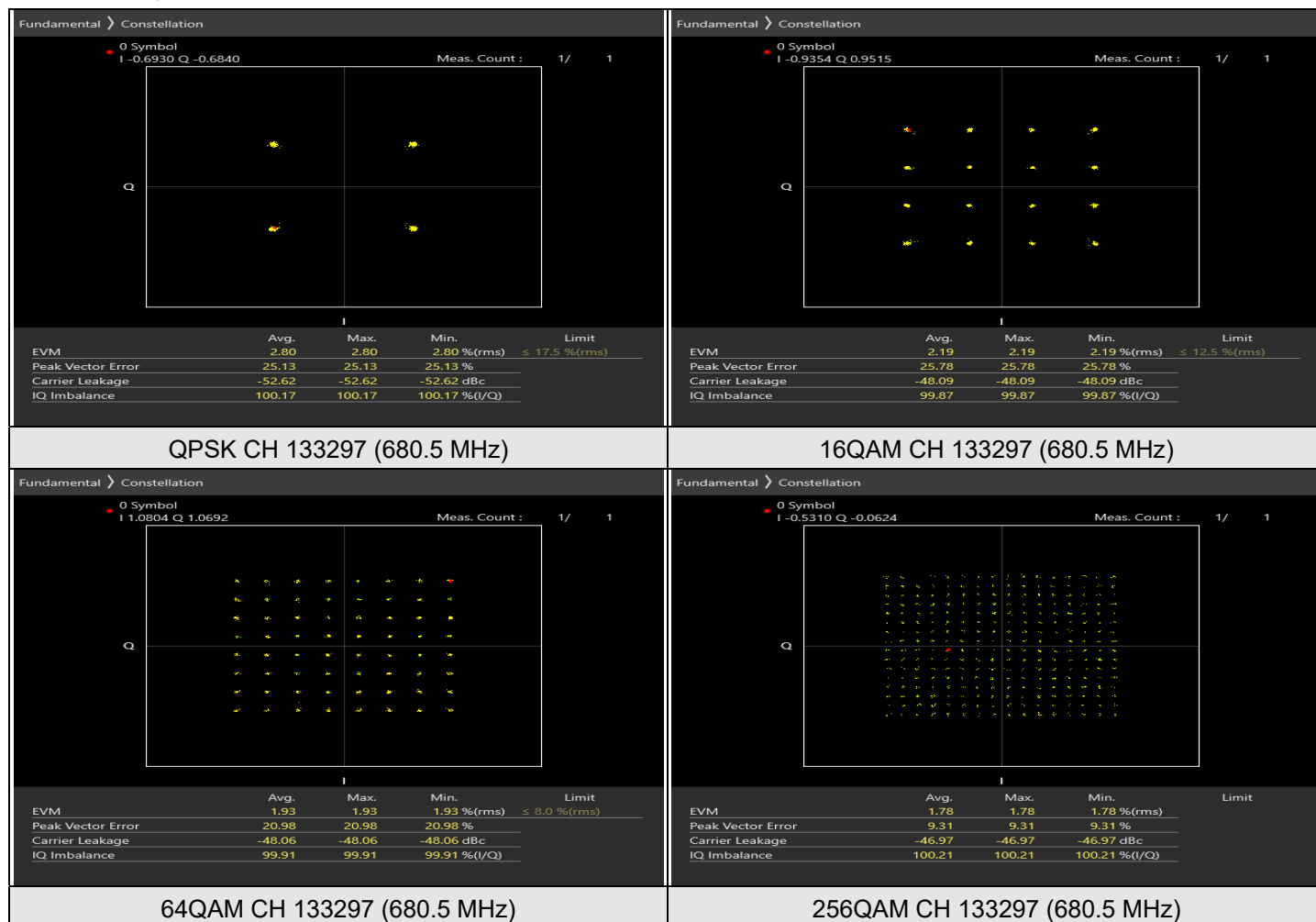
7.2.15 LTE Band 66

LTE Band 66, Channel Bandwidth: 20 MHz



7.2.16 LTE Band 71

LTE Band 71, Channel Bandwidth: 20 MHz

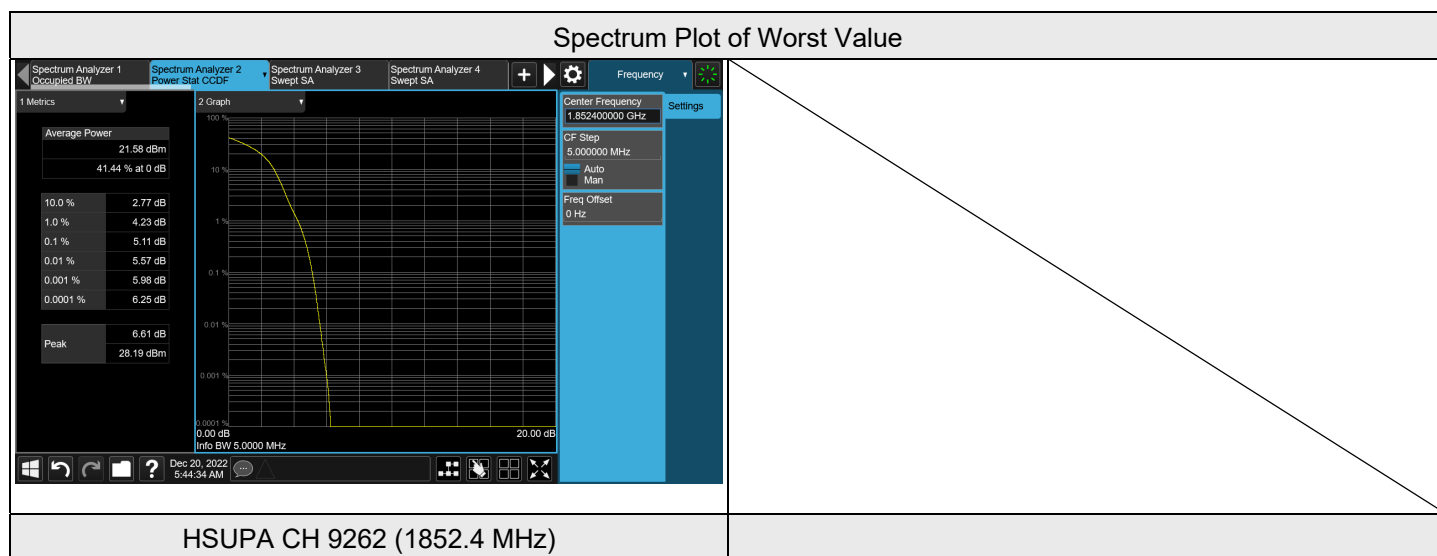


7.3 Peak to Average Ratio

Input Power:	3.87 Vdc	Environmental Conditions:	21°C, 70% RH	Tested By:	Willy Cheng
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7.3.1 WCDMA Band 2

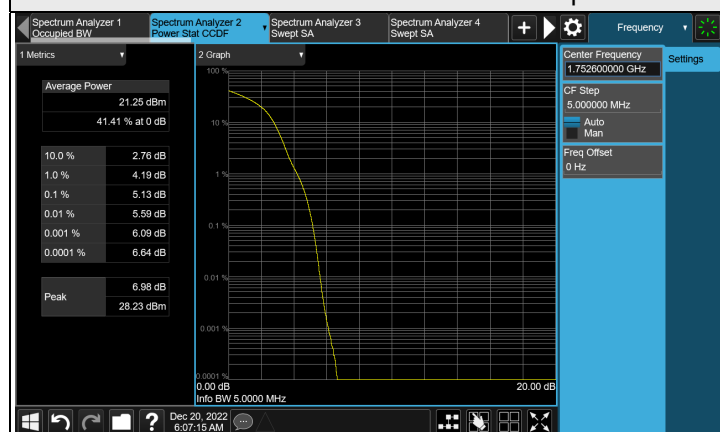
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
WCDMA	9262	1852.4	2.93	13	Pass
WCDMA	9400	1880	2.87	13	Pass
WCDMA	9538	1907.6	2.88	13	Pass
HSDPA	9262	1852.4	3.41	13	Pass
HSDPA	9400	1880	3.36	13	Pass
HSDPA	9538	1907.6	3.38	13	Pass
HSUPA	9262	1852.4	5.11	13	Pass
HSUPA	9400	1880	4.38	13	Pass
HSUPA	9538	1907.6	4.76	13	Pass



7.3.2 WCDMA Band 4

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
WCDMA	1312	1712.4	2.85	13	Pass
WCDMA	1413	1732.6	2.86	13	Pass
WCDMA	1513	1752.6	2.88	13	Pass
HSDPA	1312	1712.4	3.38	13	Pass
HSDPA	1413	1732.6	3.34	13	Pass
HSDPA	1513	1752.6	3.38	13	Pass
HSUPA	1312	1712.4	5.00	13	Pass
HSUPA	1413	1732.6	4.49	13	Pass
HSUPA	1513	1752.6	5.13	13	Pass

Spectrum Plot of Worst Value

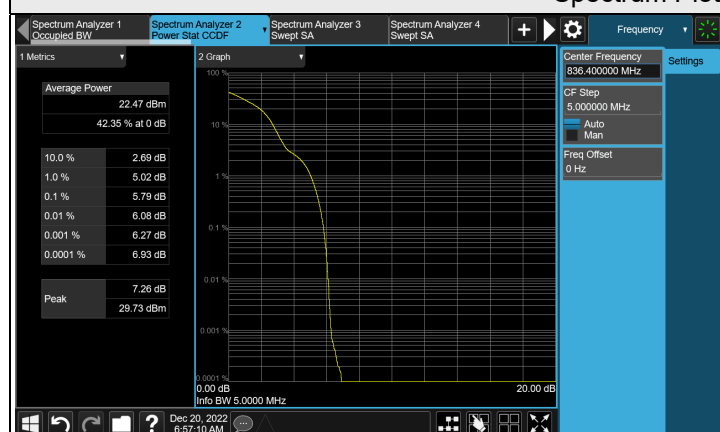


HSUPA CH 1513 (1752.6 MHz)

7.3.3 WCDMA Band 5

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
WCDMA	4132	826.4	2.85	13	Pass
WCDMA	4182	836.4	2.90	13	Pass
WCDMA	4223	846.6	2.93	13	Pass
HSDPA	4132	826.4	3.35	13	Pass
HSDPA	4182	836.4	3.37	13	Pass
HSDPA	4223	846.6	3.38	13	Pass
HSUPA	4132	826.4	5.75	13	Pass
HSUPA	4182	836.4	5.79	13	Pass
HSUPA	4223	846.6	4.49	13	Pass

Spectrum Plot of Worst Value

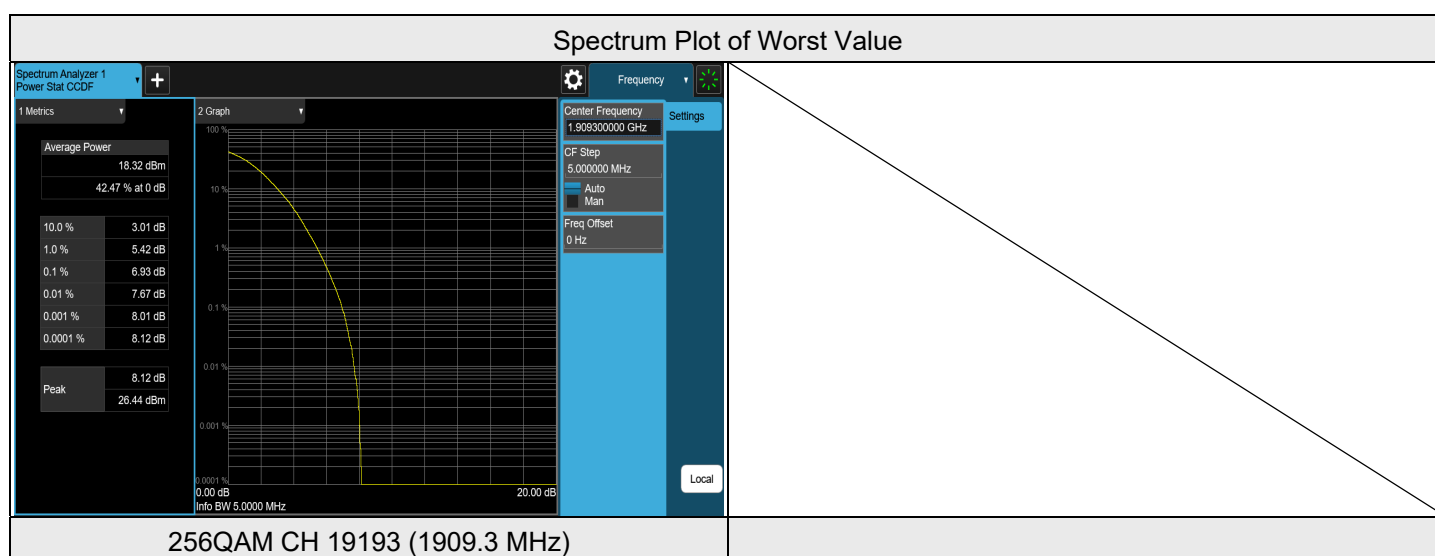


HSUPA CH 4182 (836.4 MHz)

7.3.4 LTE Band 2

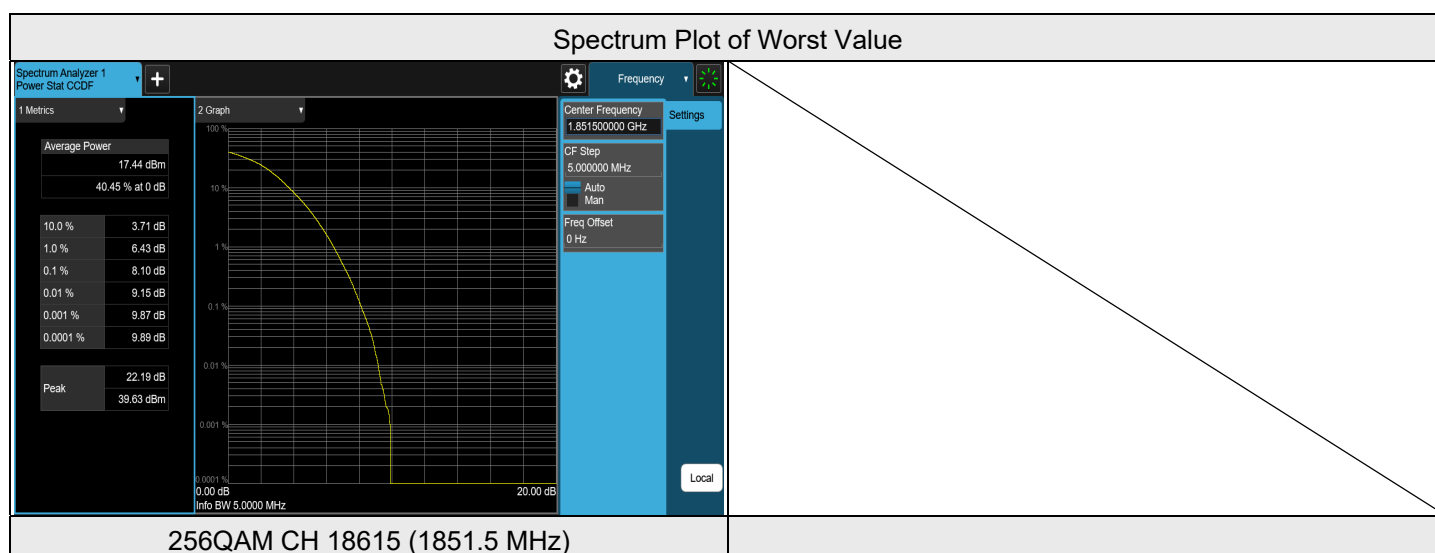
LTE Band 2, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18607	1850.7	3.72	13	Pass
QPSK	18900	1880	3.57	13	Pass
QPSK	19193	1909.3	3.49	13	Pass
16QAM	18607	1850.7	4.58	13	Pass
16QAM	18900	1880	4.63	13	Pass
16QAM	19193	1909.3	4.61	13	Pass
64QAM	18607	1850.7	5.48	13	Pass
64QAM	18900	1880	5.51	13	Pass
64QAM	19193	1909.3	5.44	13	Pass
256QAM	18607	1850.7	6.83	13	Pass
256QAM	18900	1880	6.89	13	Pass
256QAM	19193	1909.3	6.93	13	Pass



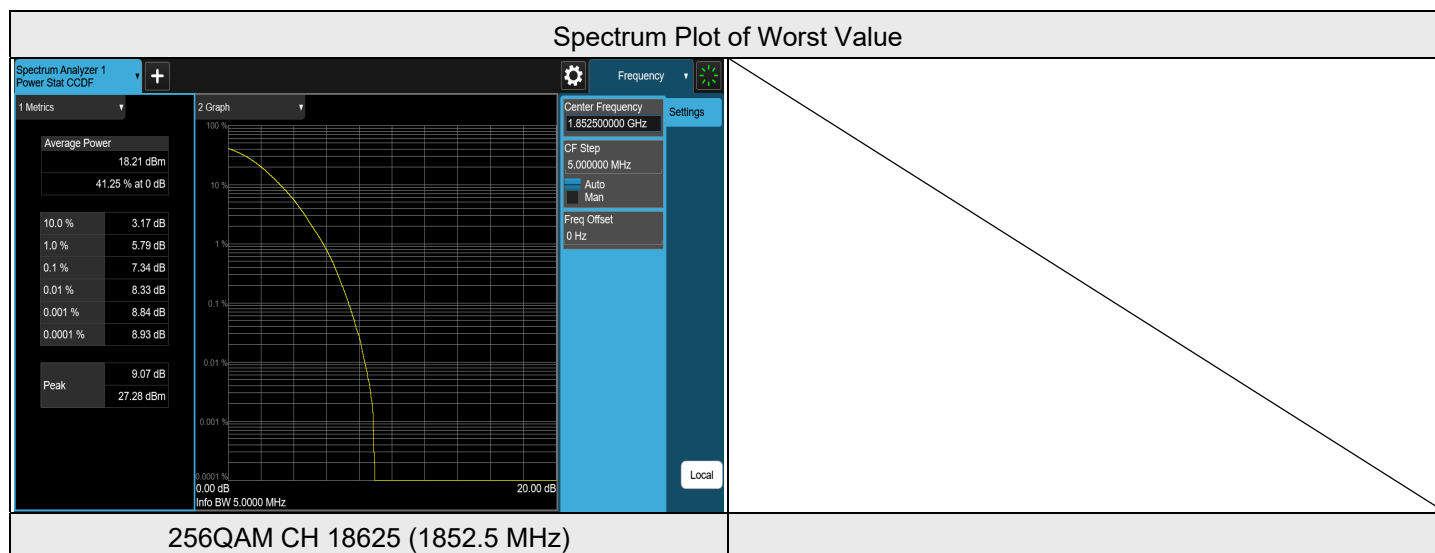
LTE Band 2, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18615	1851.5	3.56	13	Pass
QPSK	18900	1880	3.57	13	Pass
QPSK	19185	1908.5	3.55	13	Pass
16QAM	18615	1851.5	4.55	13	Pass
16QAM	18900	1880	4.59	13	Pass
16QAM	19185	1908.5	4.46	13	Pass
64QAM	18615	1851.5	5.51	13	Pass
64QAM	18900	1880	5.52	13	Pass
64QAM	19185	1908.5	5.49	13	Pass
256QAM	18615	1851.5	8.10	13	Pass
256QAM	18900	1880	6.87	13	Pass
256QAM	19185	1908.5	6.79	13	Pass



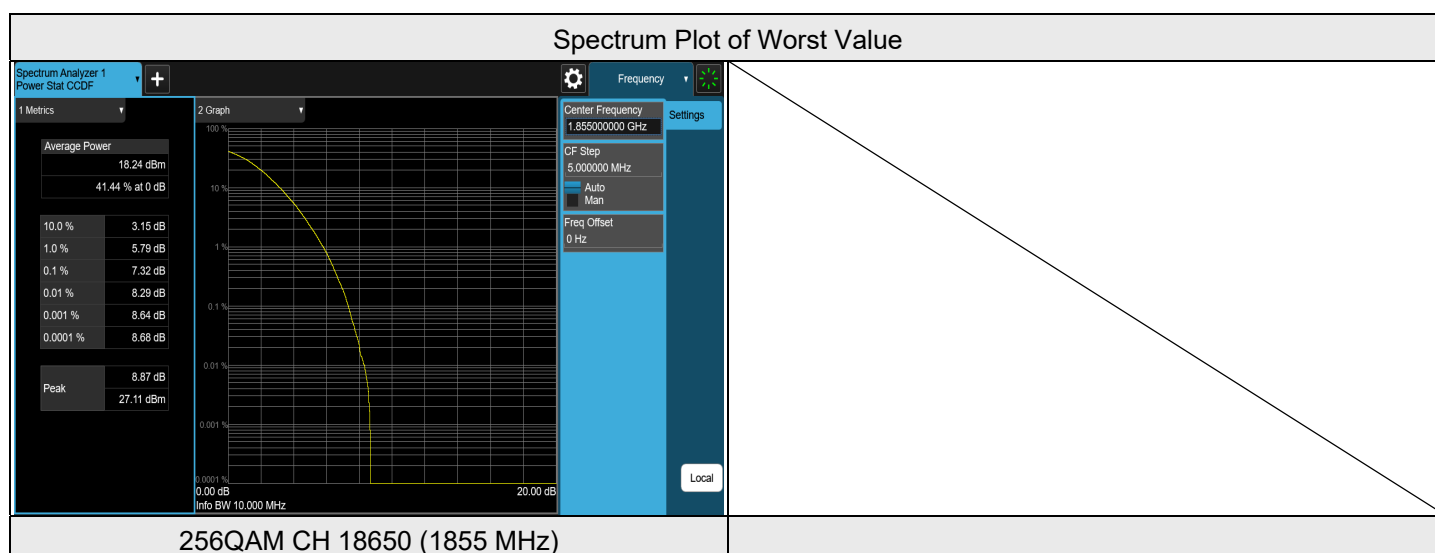
LTE Band 2, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18625	1852.5	3.56	13	Pass
QPSK	18900	1880	3.55	13	Pass
QPSK	19175	1907.5	3.50	13	Pass
16QAM	18625	1852.5	4.49	13	Pass
16QAM	18900	1880	4.54	13	Pass
16QAM	19175	1907.5	4.56	13	Pass
64QAM	18625	1852.5	5.43	13	Pass
64QAM	18900	1880	5.53	13	Pass
64QAM	19175	1907.5	5.39	13	Pass
256QAM	18625	1852.5	7.34	13	Pass
256QAM	18900	1880	6.83	13	Pass
256QAM	19175	1907.5	6.68	13	Pass



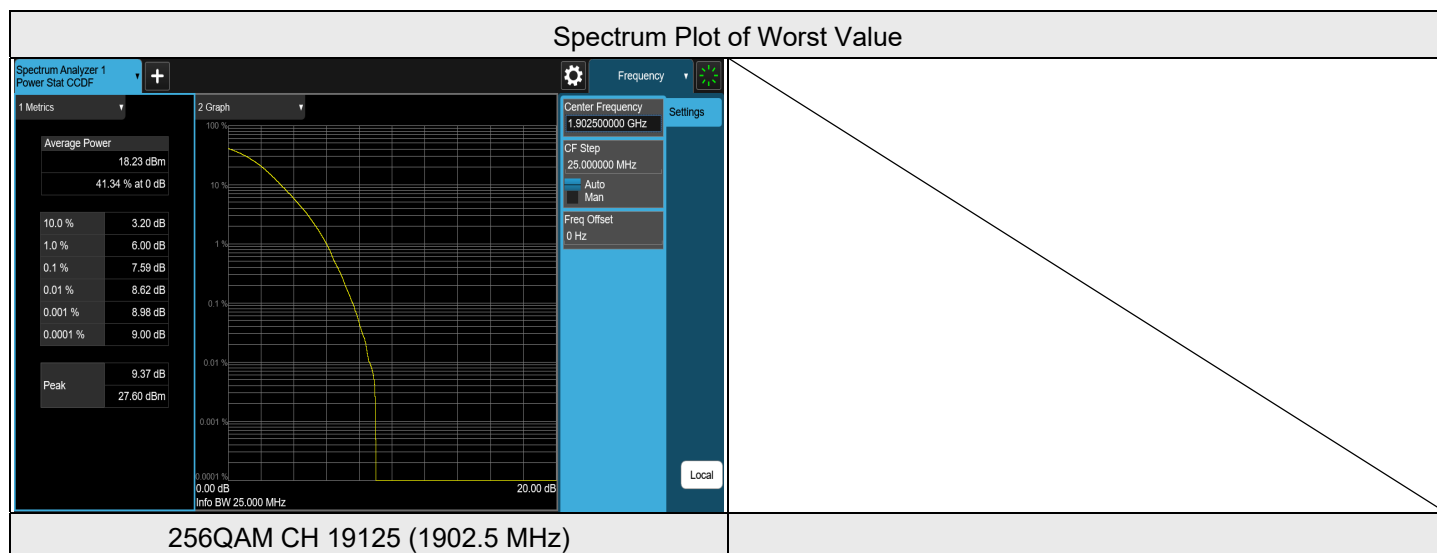
LTE Band 2, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18650	1855	3.53	13	Pass
QPSK	18900	1880	3.53	13	Pass
QPSK	19150	1905	3.59	13	Pass
16QAM	18650	1855	4.59	13	Pass
16QAM	18900	1880	4.52	13	Pass
16QAM	19150	1905	4.64	13	Pass
64QAM	18650	1855	5.45	13	Pass
64QAM	18900	1880	5.55	13	Pass
64QAM	19150	1905	5.65	13	Pass
256QAM	18650	1855	7.32	13	Pass
256QAM	18900	1880	6.68	13	Pass
256QAM	19150	1905	6.98	13	Pass



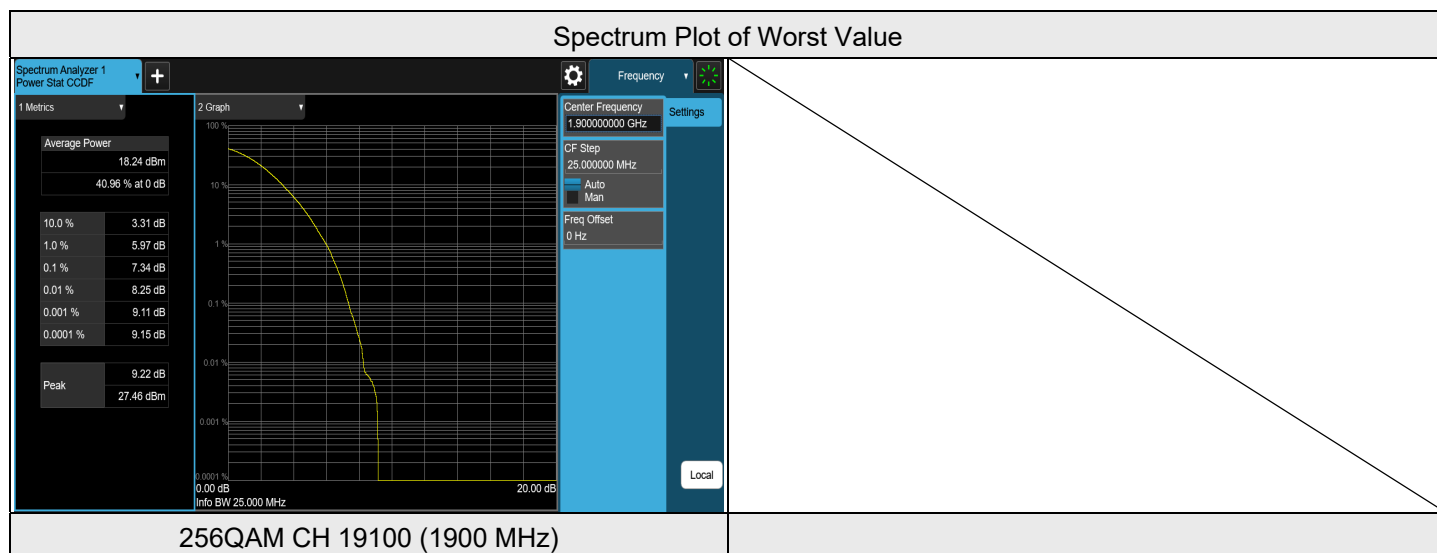
LTE Band 2, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18675	1857.5	3.70	13	Pass
QPSK	18900	1880	3.59	13	Pass
QPSK	19125	1902.5	3.76	13	Pass
16QAM	18675	1857.5	4.46	13	Pass
16QAM	18900	1880	4.44	13	Pass
16QAM	19125	1902.5	4.80	13	Pass
64QAM	18675	1857.5	5.50	13	Pass
64QAM	18900	1880	5.54	13	Pass
64QAM	19125	1902.5	5.96	13	Pass
256QAM	18675	1857.5	7.47	13	Pass
256QAM	18900	1880	6.85	13	Pass
256QAM	19125	1902.5	7.59	13	Pass



LTE Band 2, Channel Bandwidth: 20 MHz

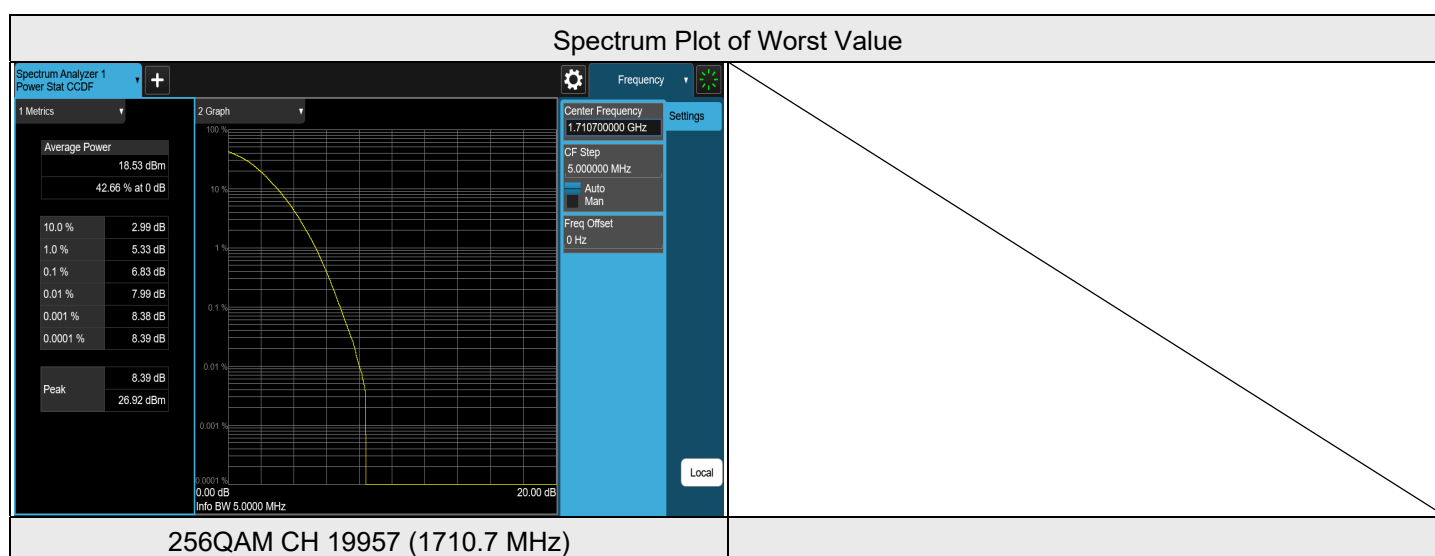
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18700	1860	3.72	13	Pass
QPSK	18900	1880	3.72	13	Pass
QPSK	19100	1900	3.69	13	Pass
16QAM	18700	1860	4.50	13	Pass
16QAM	18900	1880	4.44	13	Pass
16QAM	19100	1900	4.89	13	Pass
64QAM	18700	1860	5.57	13	Pass
64QAM	18900	1880	5.41	13	Pass
64QAM	19100	1900	6.08	13	Pass
256QAM	18700	1860	6.57	13	Pass
256QAM	18900	1880	6.81	13	Pass
256QAM	19100	1900	7.34	13	Pass



7.3.5 LTE Band 4

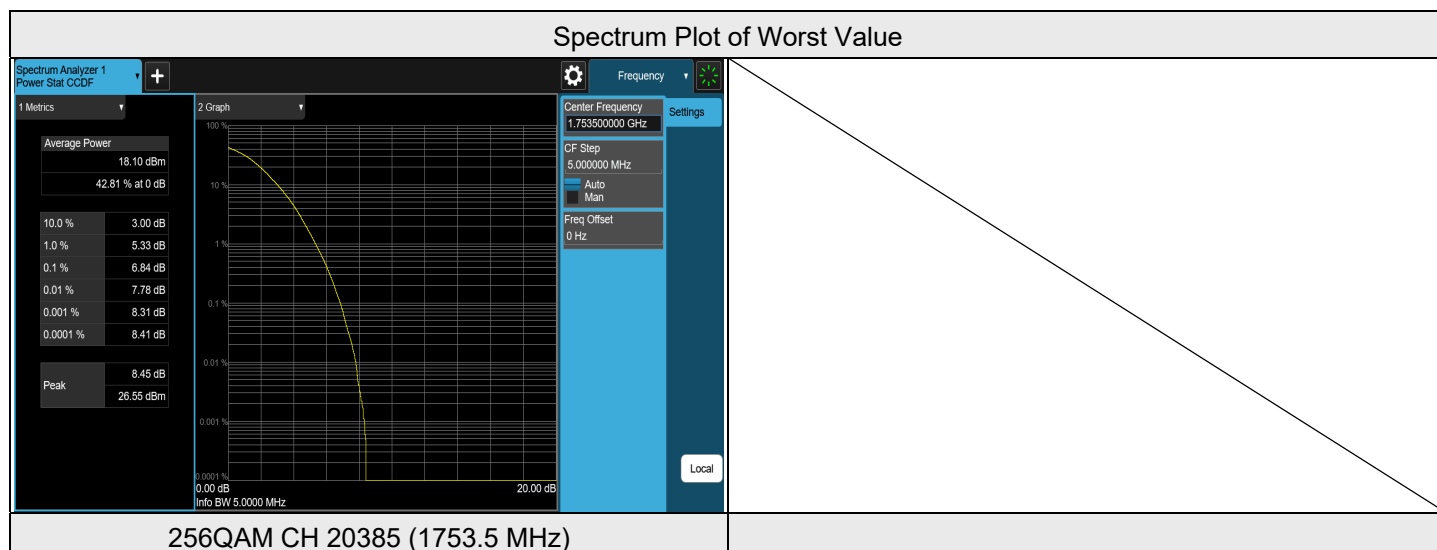
LTE Band 4, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	19957	1710.7	3.54	13	Pass
QPSK	20175	1732.5	3.49	13	Pass
QPSK	20393	1754.3	3.48	13	Pass
16QAM	19957	1710.7	4.67	13	Pass
16QAM	20175	1732.5	4.49	13	Pass
16QAM	20393	1754.3	4.49	13	Pass
64QAM	19957	1710.7	5.38	13	Pass
64QAM	20175	1732.5	5.37	13	Pass
64QAM	20393	1754.3	5.40	13	Pass
256QAM	19957	1710.7	6.83	13	Pass
256QAM	20175	1732.5	6.68	13	Pass
256QAM	20393	1754.3	6.72	13	Pass



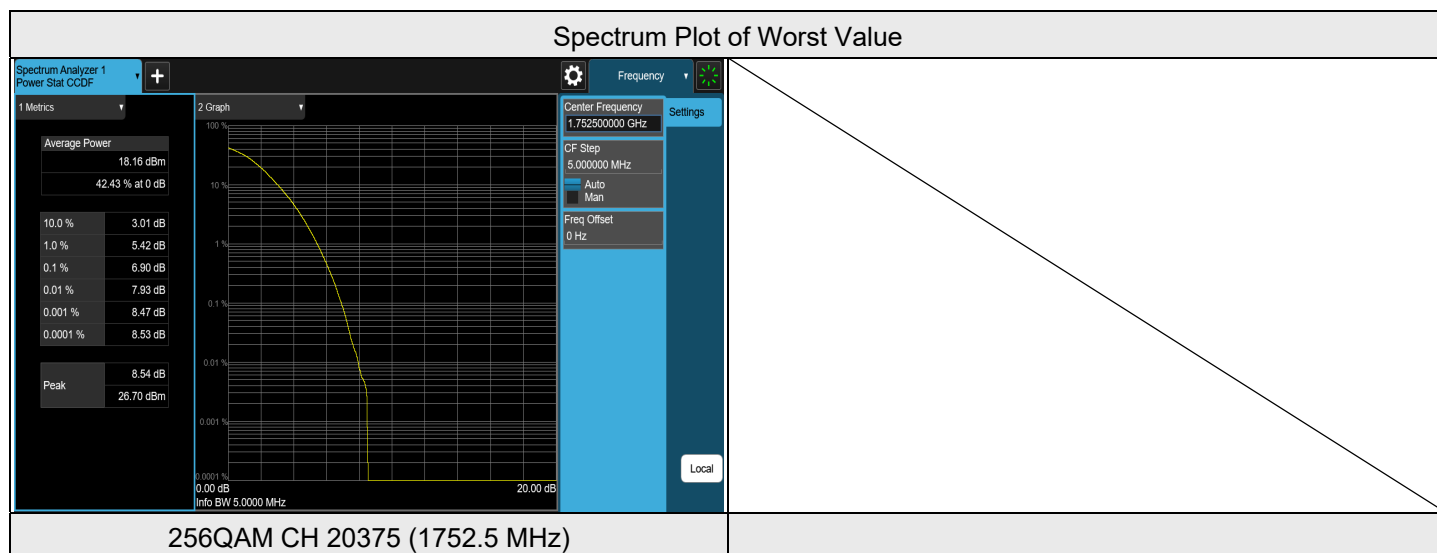
LTE Band 4, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	19965	1711.5	3.56	13	Pass
QPSK	20175	1732.5	3.60	13	Pass
QPSK	20385	1753.5	3.51	13	Pass
16QAM	19965	1711.5	4.49	13	Pass
16QAM	20175	1732.5	4.59	13	Pass
16QAM	20385	1753.5	4.48	13	Pass
64QAM	19965	1711.5	5.51	13	Pass
64QAM	20175	1732.5	5.49	13	Pass
64QAM	20385	1753.5	5.49	13	Pass
256QAM	19965	1711.5	6.77	13	Pass
256QAM	20175	1732.5	6.73	13	Pass
256QAM	20385	1753.5	6.84	13	Pass



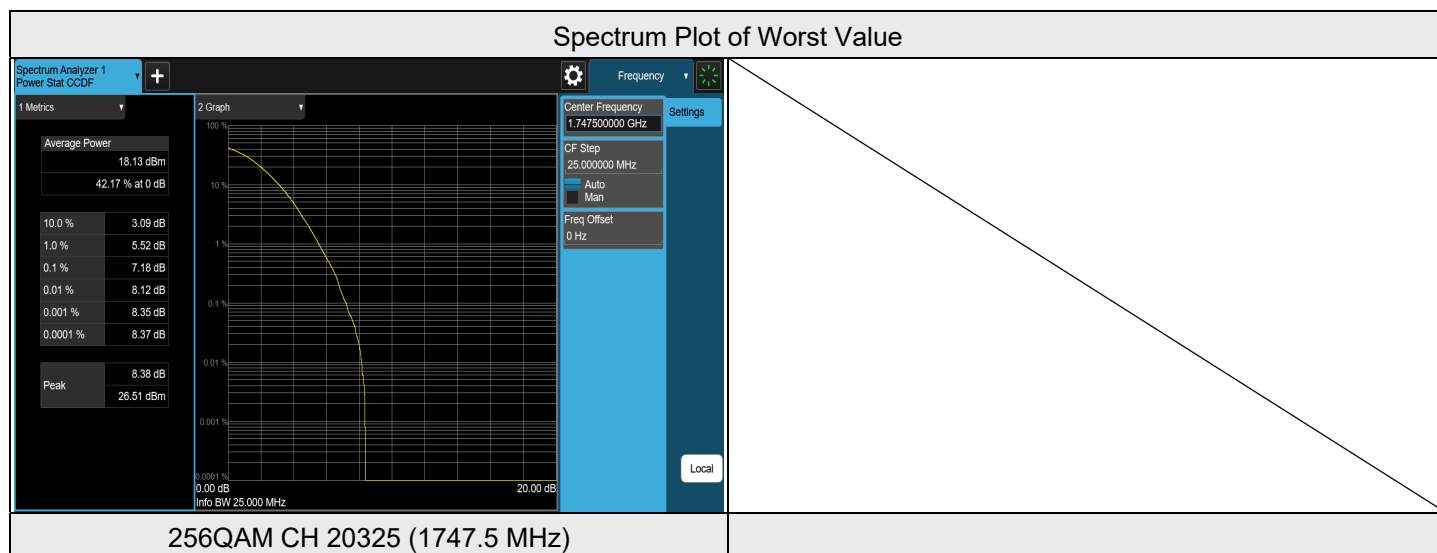
LTE Band 4, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	19975	1712.5	3.55	13	Pass
QPSK	20175	1732.5	3.52	13	Pass
QPSK	20375	1752.5	3.51	13	Pass
16QAM	19975	1712.5	4.57	13	Pass
16QAM	20175	1732.5	4.52	13	Pass
16QAM	20375	1752.5	4.53	13	Pass
64QAM	19975	1712.5	5.48	13	Pass
64QAM	20175	1732.5	5.44	13	Pass
64QAM	20375	1752.5	5.50	13	Pass
256QAM	19975	1712.5	6.87	13	Pass
256QAM	20175	1732.5	6.70	13	Pass
256QAM	20375	1752.5	6.90	13	Pass



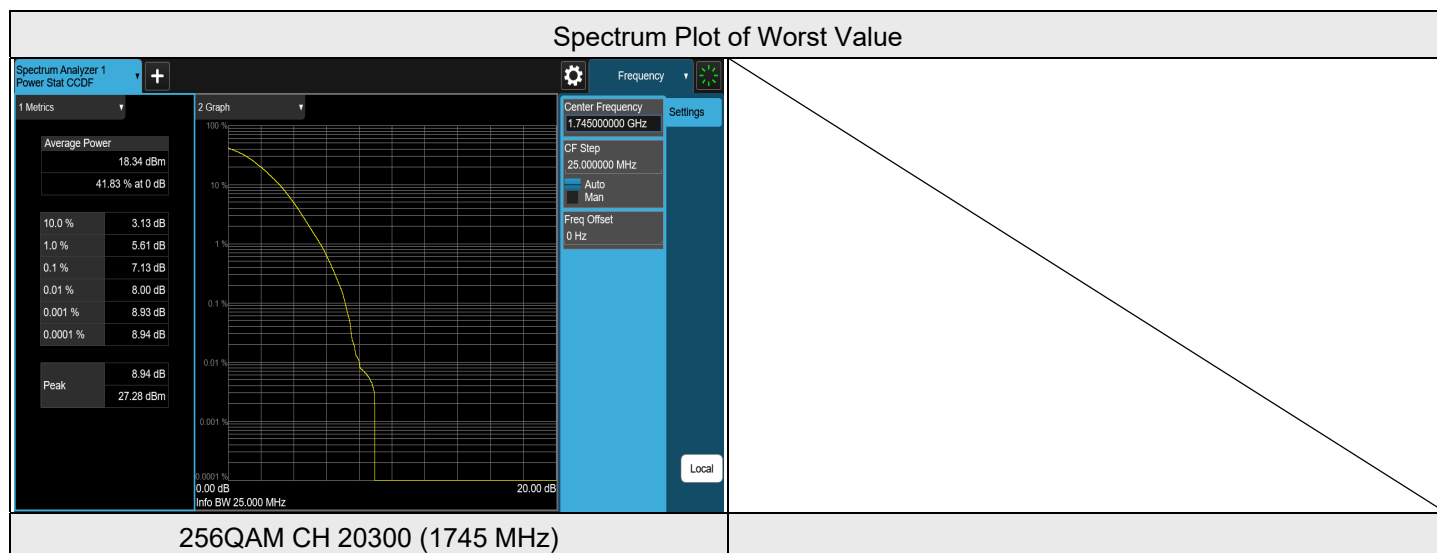
LTE Band 4, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20025	1717.5	3.65	13	Pass
QPSK	20175	1732.5	3.52	13	Pass
QPSK	20325	1747.5	3.64	13	Pass
16QAM	20025	1717.5	4.55	13	Pass
16QAM	20175	1732.5	4.53	13	Pass
16QAM	20325	1747.5	4.72	13	Pass
64QAM	20025	1717.5	5.59	13	Pass
64QAM	20175	1732.5	5.51	13	Pass
64QAM	20325	1747.5	5.81	13	Pass
256QAM	20025	1717.5	7.06	13	Pass
256QAM	20175	1732.5	6.66	13	Pass
256QAM	20325	1747.5	7.18	13	Pass



LTE Band 4, Channel Bandwidth: 20 MHz

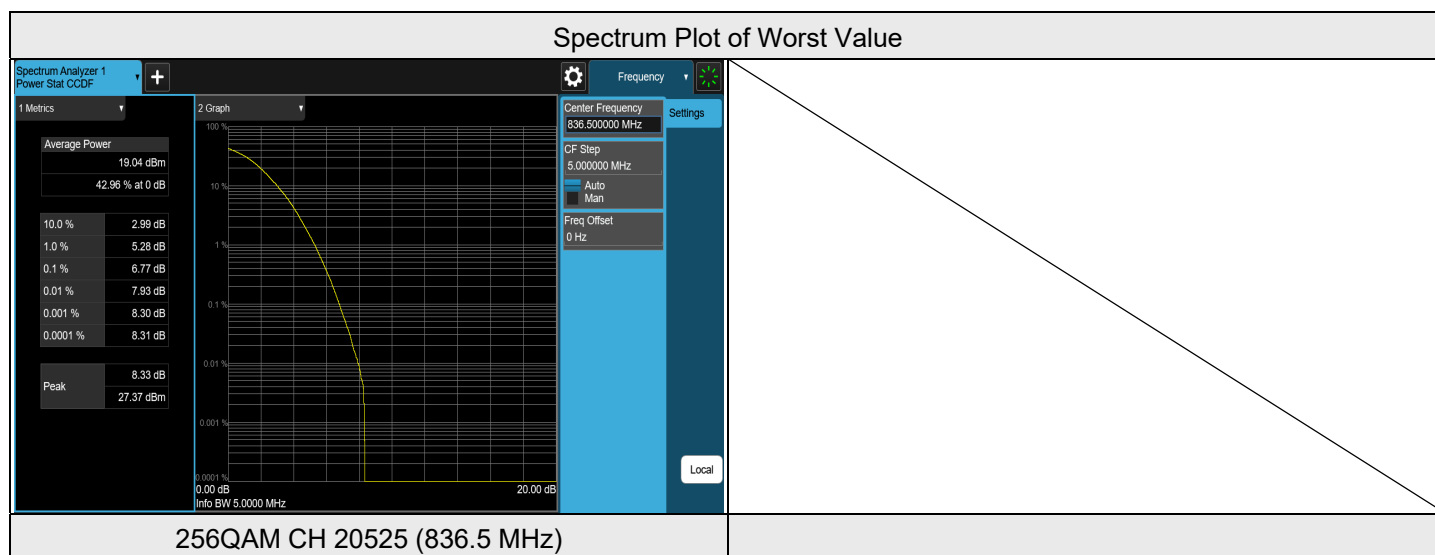
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20050	1720	3.58	13	Pass
QPSK	20175	1732.5	3.60	13	Pass
QPSK	20300	1745	3.63	13	Pass
16QAM	20050	1720	4.74	13	Pass
16QAM	20175	1732.5	4.56	13	Pass
16QAM	20300	1745	4.64	13	Pass
64QAM	20050	1720	5.55	13	Pass
64QAM	20175	1732.5	5.34	13	Pass
64QAM	20300	1745	5.73	13	Pass
256QAM	20050	1720	6.94	13	Pass
256QAM	20175	1732.5	6.51	13	Pass
256QAM	20300	1745	7.13	13	Pass



7.3.6 LTE Band 5

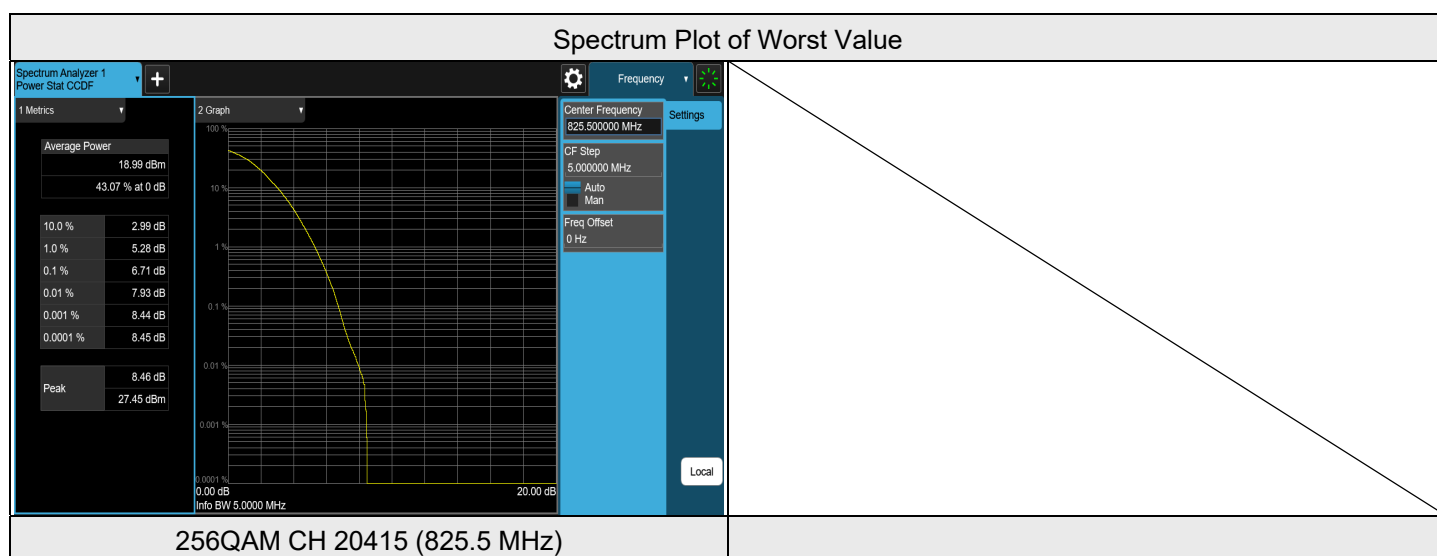
LTE Band 5, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20407	824.7	3.48	13	Pass
QPSK	20525	836.5	3.47	13	Pass
QPSK	20643	848.3	3.44	13	Pass
16QAM	20407	824.7	4.65	13	Pass
16QAM	20525	836.5	4.72	13	Pass
16QAM	20643	848.3	4.58	13	Pass
64QAM	20407	824.7	5.36	13	Pass
64QAM	20525	836.5	5.40	13	Pass
64QAM	20643	848.3	5.26	13	Pass
256QAM	20407	824.7	6.72	13	Pass
256QAM	20525	836.5	6.77	13	Pass
256QAM	20643	848.3	6.70	13	Pass



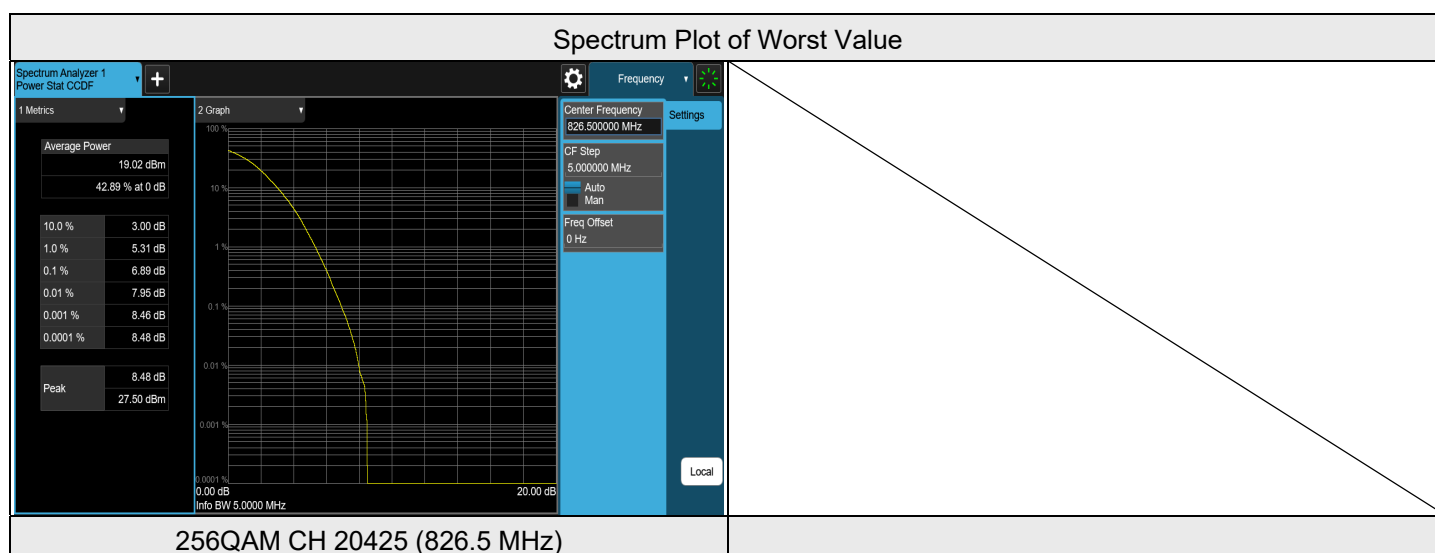
LTE Band 5, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20415	825.5	3.50	13	Pass
QPSK	20525	836.5	3.52	13	Pass
QPSK	20635	847.5	3.40	13	Pass
16QAM	20415	825.5	4.49	13	Pass
16QAM	20525	836.5	4.50	13	Pass
16QAM	20635	847.5	4.45	13	Pass
64QAM	20415	825.5	5.43	13	Pass
64QAM	20525	836.5	5.38	13	Pass
64QAM	20635	847.5	5.24	13	Pass
256QAM	20415	825.5	6.71	13	Pass
256QAM	20525	836.5	6.63	13	Pass
256QAM	20635	847.5	6.49	13	Pass



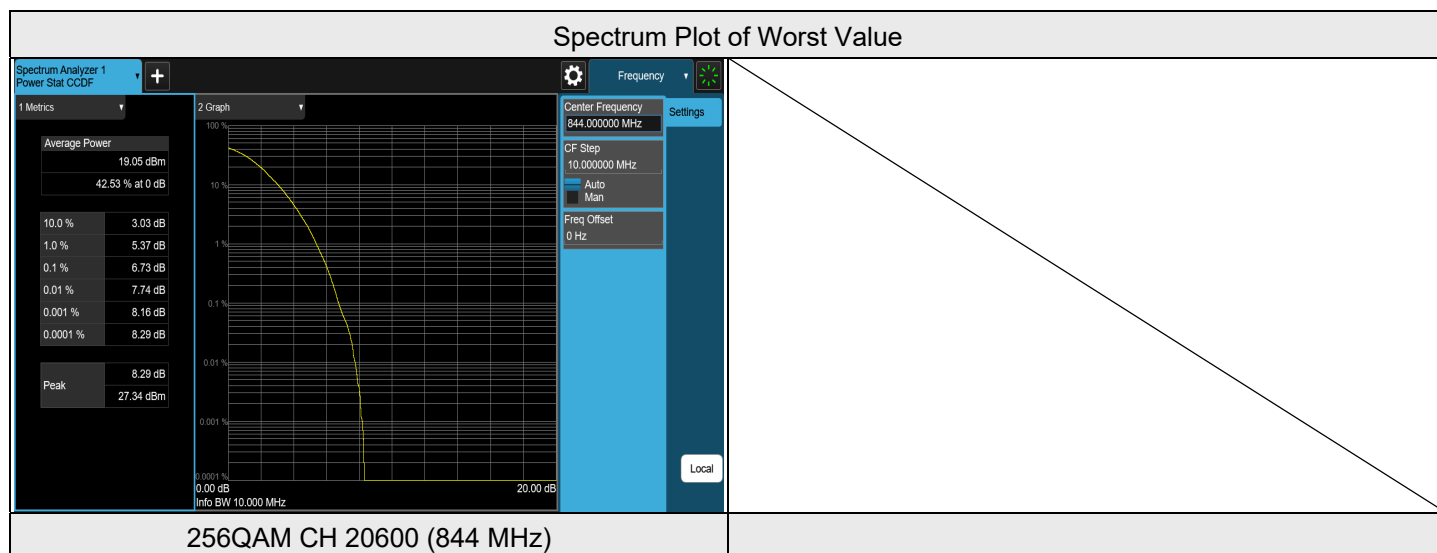
LTE Band 5, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20425	826.5	3.49	13	Pass
QPSK	20525	836.5	3.42	13	Pass
QPSK	20625	846.5	3.35	13	Pass
16QAM	20425	826.5	4.57	13	Pass
16QAM	20525	836.5	4.39	13	Pass
16QAM	20625	846.5	4.25	13	Pass
64QAM	20425	826.5	5.42	13	Pass
64QAM	20525	836.5	5.32	13	Pass
64QAM	20625	846.5	5.22	13	Pass
256QAM	20425	826.5	6.89	13	Pass
256QAM	20525	836.5	6.66	13	Pass
256QAM	20625	846.5	6.51	13	Pass



LTE Band 5, Channel Bandwidth: 10 MHz

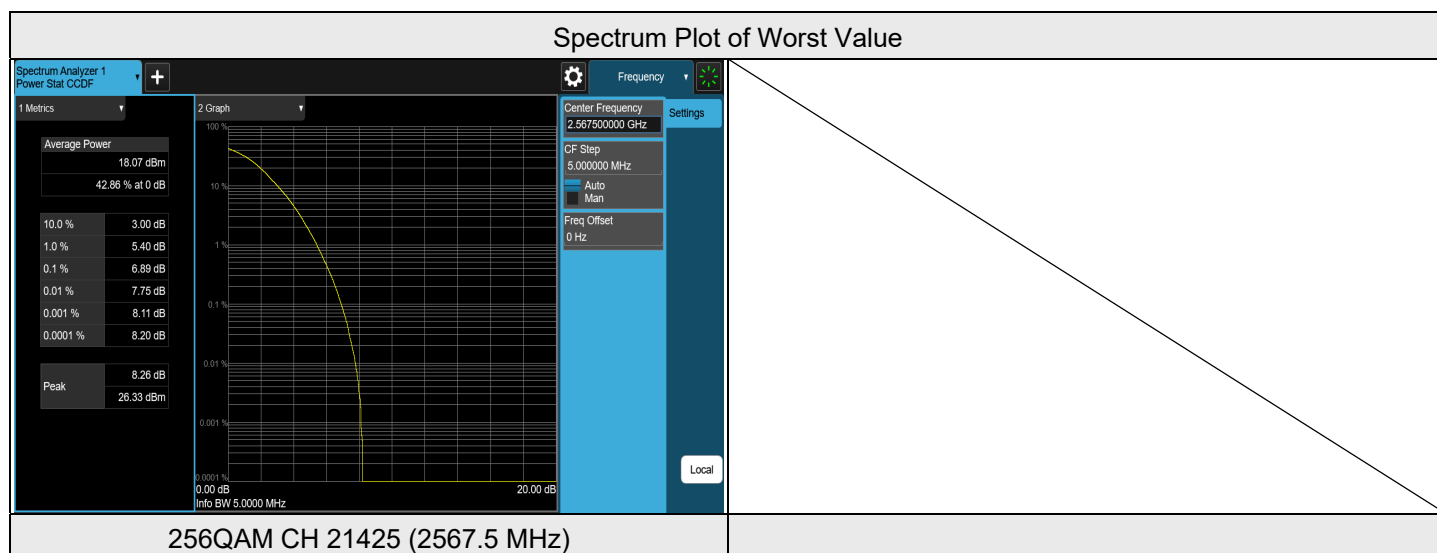
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20450	829	3.52	13	Pass
QPSK	20525	836.5	3.38	13	Pass
QPSK	20600	844	3.55	13	Pass
16QAM	20450	829	4.59	13	Pass
16QAM	20525	836.5	4.40	13	Pass
16QAM	20600	844	4.48	13	Pass
64QAM	20450	829	5.46	13	Pass
64QAM	20525	836.5	5.31	13	Pass
64QAM	20600	844	5.46	13	Pass
256QAM	20450	829	6.53	13	Pass
256QAM	20525	836.5	6.48	13	Pass
256QAM	20600	844	6.73	13	Pass



7.3.7 LTE Band 7

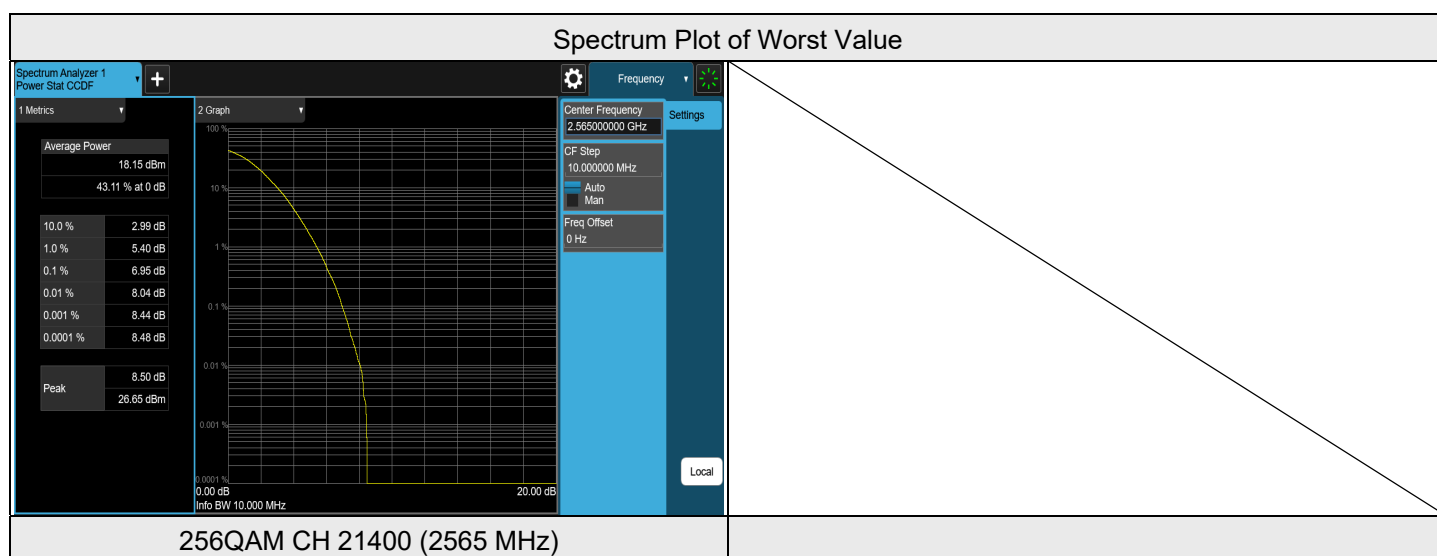
LTE Band 7, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20775	2502.5	3.56	13	Pass
QPSK	21100	2535	3.49	13	Pass
QPSK	21425	2567.5	3.48	13	Pass
16QAM	20775	2502.5	4.40	13	Pass
16QAM	21100	2535	4.61	13	Pass
16QAM	21425	2567.5	4.45	13	Pass
64QAM	20775	2502.5	5.36	13	Pass
64QAM	21100	2535	5.47	13	Pass
64QAM	21425	2567.5	5.44	13	Pass
256QAM	20775	2502.5	6.81	13	Pass
256QAM	21100	2535	6.84	13	Pass
256QAM	21425	2567.5	6.89	13	Pass



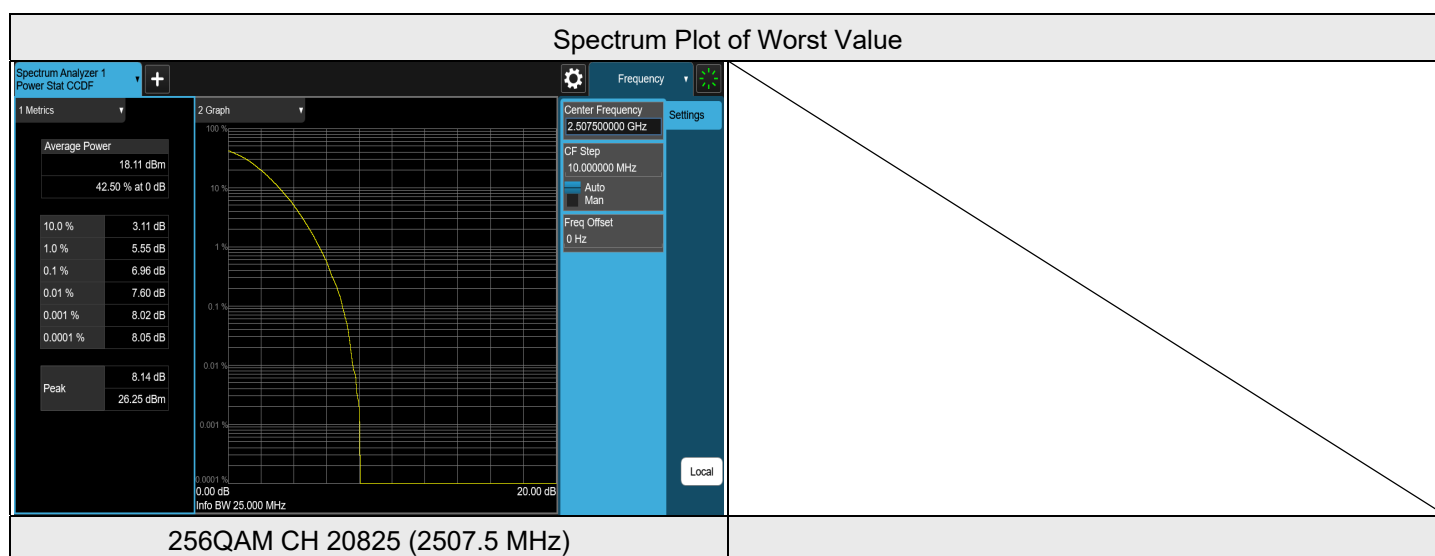
LTE Band 7, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20800	2505	3.61	13	Pass
QPSK	21100	2535	3.62	13	Pass
QPSK	21400	2565	3.56	13	Pass
16QAM	20800	2505	4.61	13	Pass
16QAM	21100	2535	4.60	13	Pass
16QAM	21400	2565	4.62	13	Pass
64QAM	20800	2505	5.64	13	Pass
64QAM	21100	2535	5.57	13	Pass
64QAM	21400	2565	5.51	13	Pass
256QAM	20800	2505	6.87	13	Pass
256QAM	21100	2535	6.85	13	Pass
256QAM	21400	2565	6.95	13	Pass



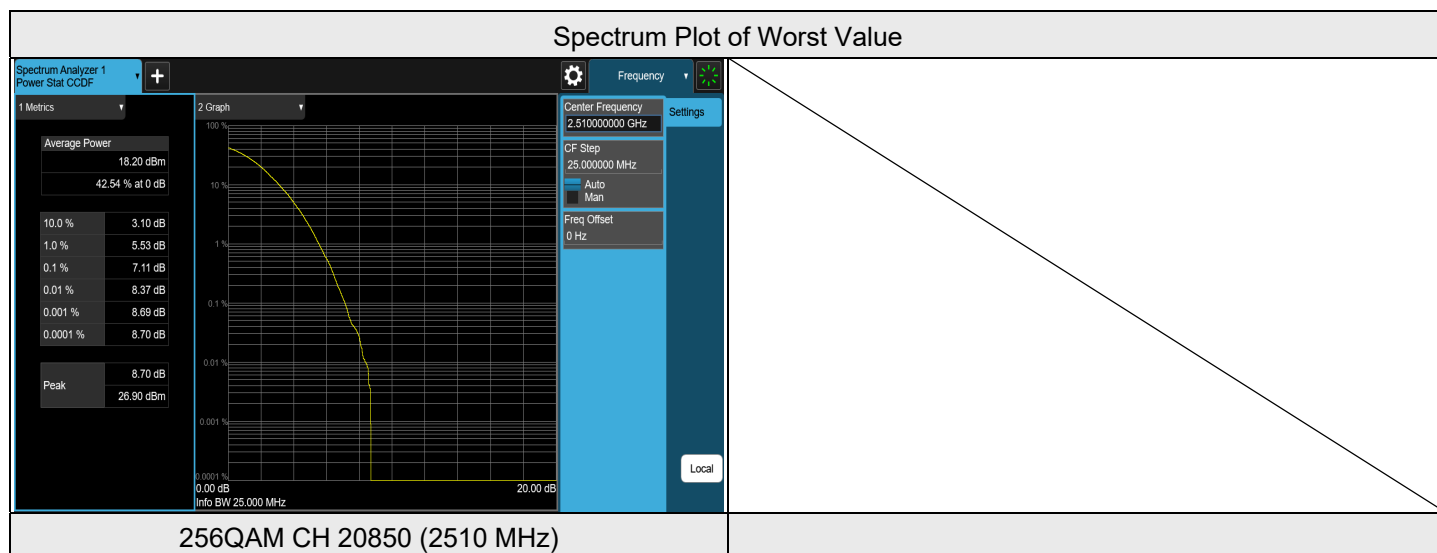
LTE Band 7, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20825	2507.5	3.64	13	Pass
QPSK	21100	2535	3.63	13	Pass
QPSK	21375	2562.5	3.48	13	Pass
16QAM	20825	2507.5	4.61	13	Pass
16QAM	21100	2535	4.83	13	Pass
16QAM	21375	2562.5	4.55	13	Pass
64QAM	20825	2507.5	5.75	13	Pass
64QAM	21100	2535	5.46	13	Pass
64QAM	21375	2562.5	5.38	13	Pass
256QAM	20825	2507.5	6.96	13	Pass
256QAM	21100	2535	6.75	13	Pass
256QAM	21375	2562.5	6.68	13	Pass



LTE Band 7, Channel Bandwidth: 20 MHz

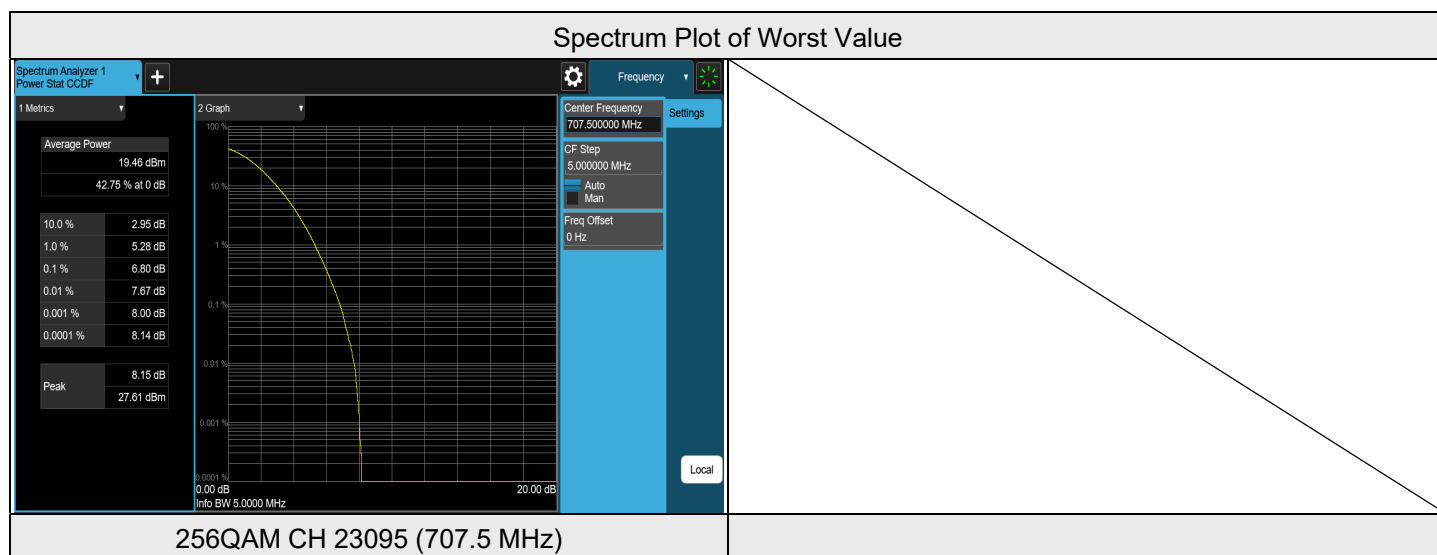
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20850	2510	3.62	13	Pass
QPSK	21100	2535	3.65	13	Pass
QPSK	21350	2560	3.56	13	Pass
16QAM	20850	2510	4.74	13	Pass
16QAM	21100	2535	4.57	13	Pass
16QAM	21350	2560	4.52	13	Pass
64QAM	20850	2510	5.68	13	Pass
64QAM	21100	2535	5.59	13	Pass
64QAM	21350	2560	5.35	13	Pass
256QAM	20850	2510	7.11	13	Pass
256QAM	21100	2535	6.95	13	Pass
256QAM	21350	2560	6.43	13	Pass



7.3.8 LTE Band 12

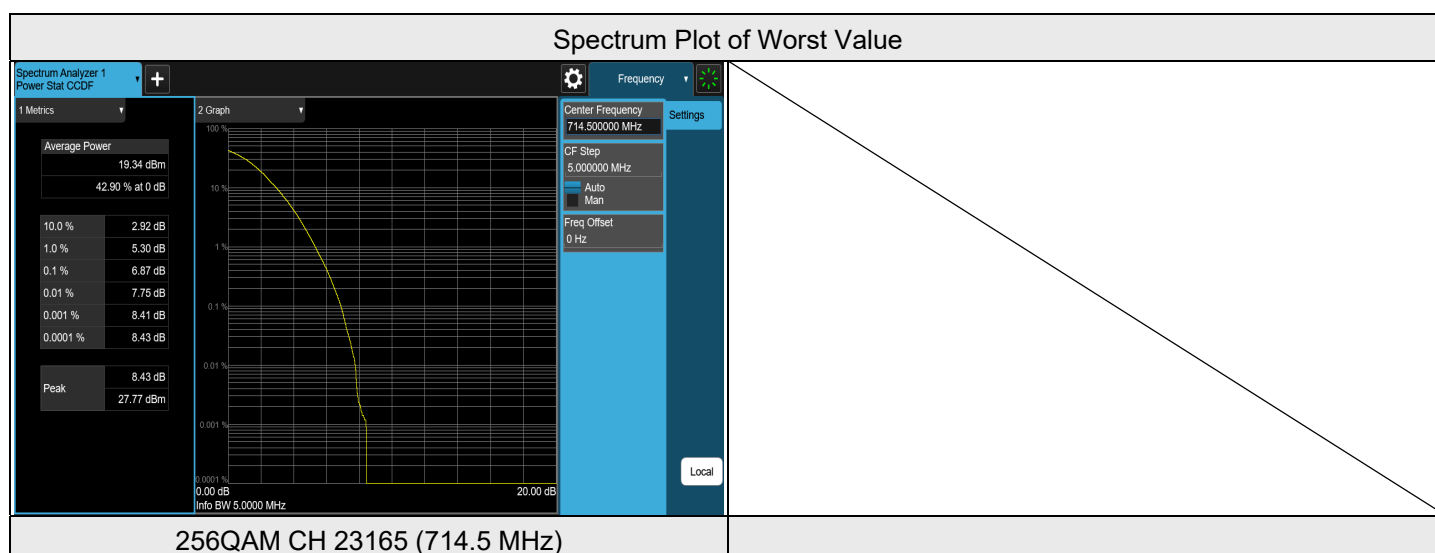
LTE Band 12, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23017	699.7	3.54	13	Pass
QPSK	23095	707.5	3.45	13	Pass
QPSK	23173	715.3	3.50	13	Pass
16QAM	23017	699.7	4.70	13	Pass
16QAM	23095	707.5	4.47	13	Pass
16QAM	23173	715.3	4.50	13	Pass
64QAM	23017	699.7	5.47	13	Pass
64QAM	23095	707.5	5.43	13	Pass
64QAM	23173	715.3	5.35	13	Pass
256QAM	23017	699.7	6.75	13	Pass
256QAM	23095	707.5	6.80	13	Pass
256QAM	23173	715.3	6.71	13	Pass



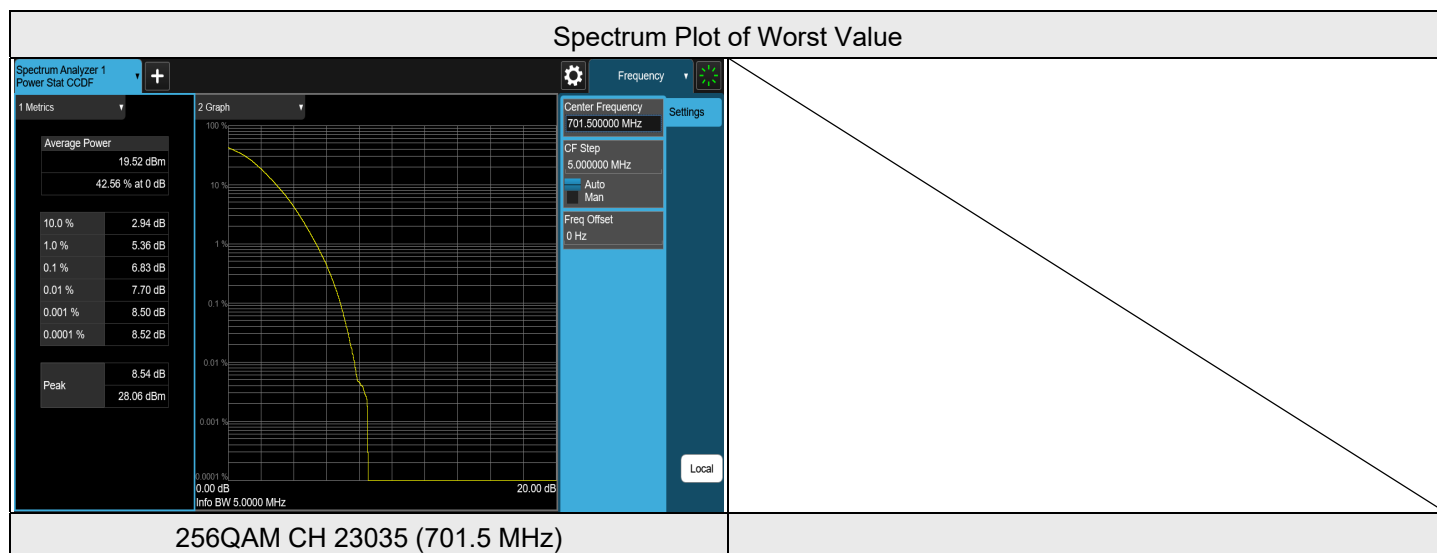
LTE Band 12, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23025	700.5	3.53	13	Pass
QPSK	23095	707.5	3.51	13	Pass
QPSK	23165	714.5	3.53	13	Pass
16QAM	23025	700.5	4.50	13	Pass
16QAM	23095	707.5	4.65	13	Pass
16QAM	23165	714.5	4.56	13	Pass
64QAM	23025	700.5	5.50	13	Pass
64QAM	23095	707.5	5.48	13	Pass
64QAM	23165	714.5	5.43	13	Pass
256QAM	23025	700.5	6.84	13	Pass
256QAM	23095	707.5	6.77	13	Pass
256QAM	23165	714.5	6.87	13	Pass



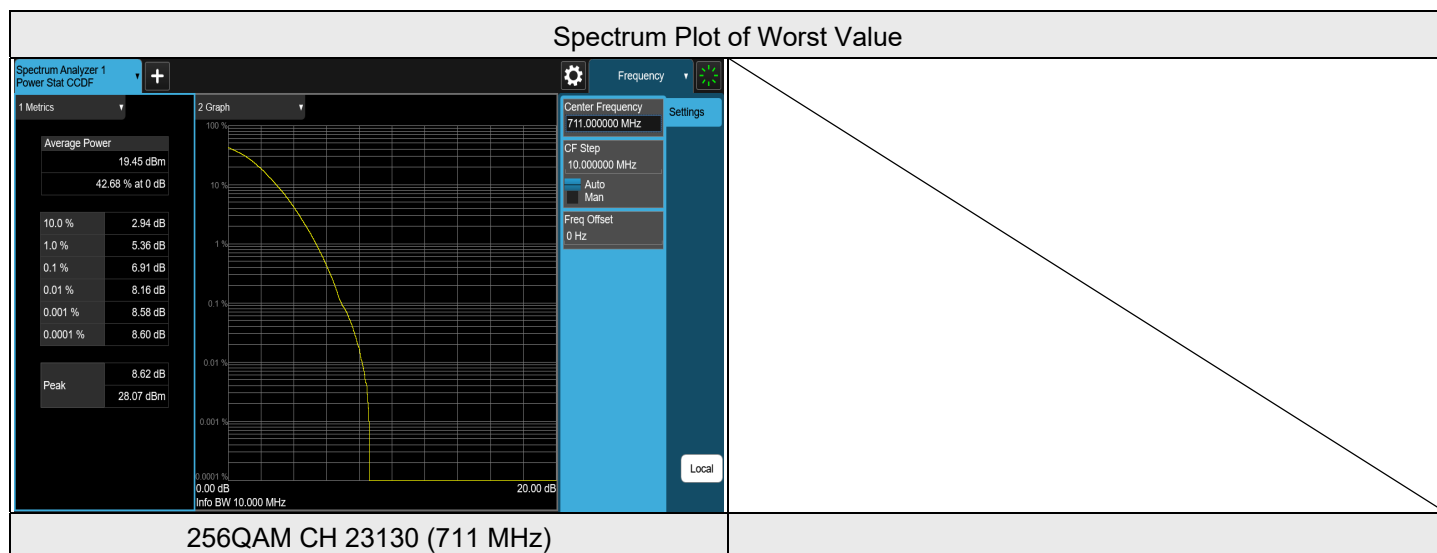
LTE Band 12, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23035	701.5	3.53	13	Pass
QPSK	23095	707.5	3.59	13	Pass
QPSK	23155	713.5	3.48	13	Pass
16QAM	23035	701.5	4.52	13	Pass
16QAM	23095	707.5	4.62	13	Pass
16QAM	23155	713.5	4.55	13	Pass
64QAM	23035	701.5	5.50	13	Pass
64QAM	23095	707.5	5.53	13	Pass
64QAM	23155	713.5	5.45	13	Pass
256QAM	23035	701.5	6.83	13	Pass
256QAM	23095	707.5	6.63	13	Pass
256QAM	23155	713.5	6.82	13	Pass



LTE Band 12, Channel Bandwidth: 10 MHz

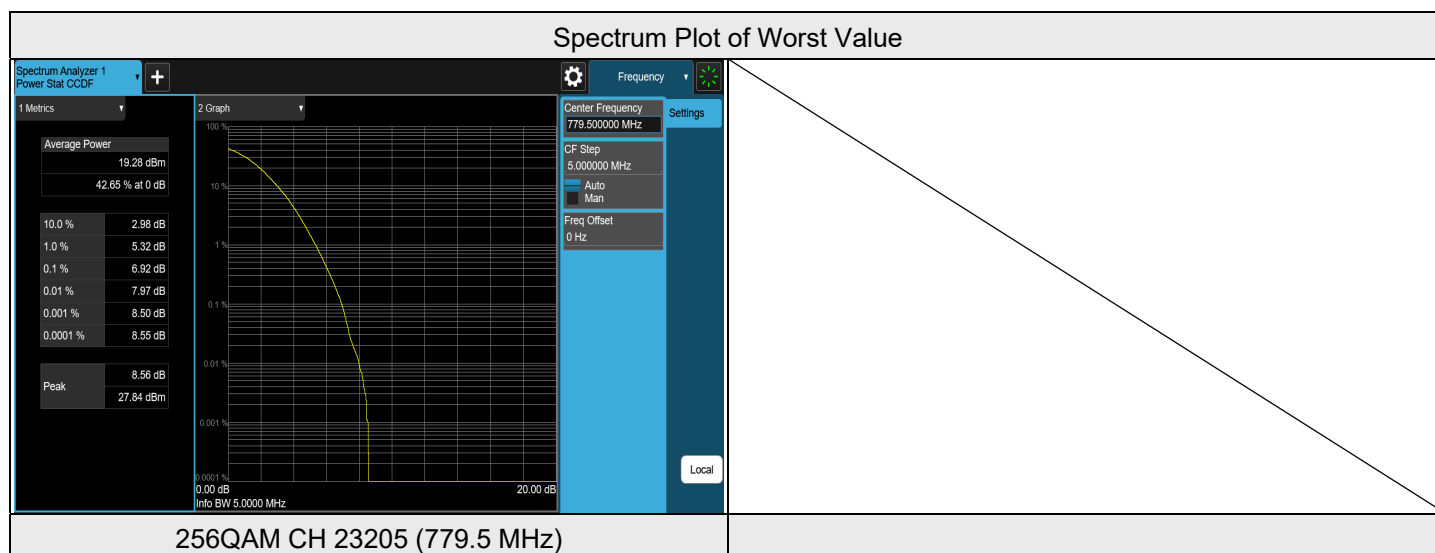
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23060	704	3.53	13	Pass
QPSK	23095	707.5	3.44	13	Pass
QPSK	23130	711	3.43	13	Pass
16QAM	23060	704	4.73	13	Pass
16QAM	23095	707.5	4.67	13	Pass
16QAM	23130	711	4.73	13	Pass
64QAM	23060	704	5.47	13	Pass
64QAM	23095	707.5	5.57	13	Pass
64QAM	23130	711	5.45	13	Pass
256QAM	23060	704	6.82	13	Pass
256QAM	23095	707.5	6.87	13	Pass
256QAM	23130	711	6.91	13	Pass



7.3.9 LTE Band 13

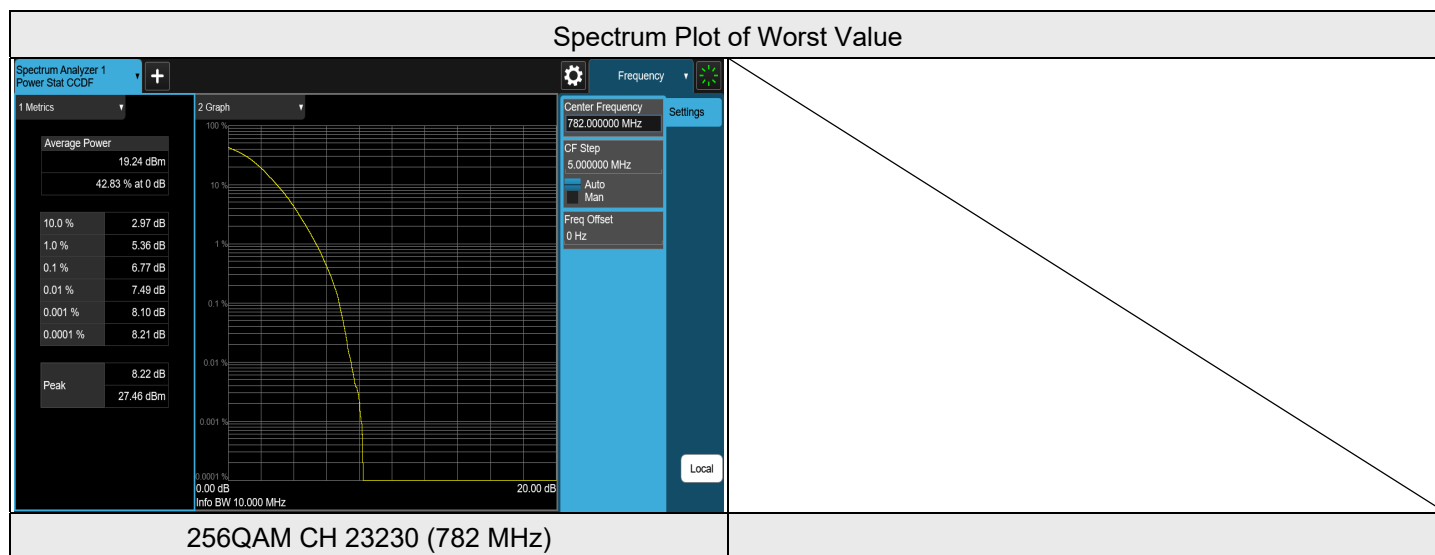
LTE Band 13, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23205	779.5	3.48	13	Pass
QPSK	23230	782	3.44	13	Pass
QPSK	23255	784.5	3.38	13	Pass
16QAM	23205	779.5	4.66	13	Pass
16QAM	23230	782	4.47	13	Pass
16QAM	23255	784.5	4.39	13	Pass
64QAM	23205	779.5	5.62	13	Pass
64QAM	23230	782	5.46	13	Pass
64QAM	23255	784.5	5.31	13	Pass
256QAM	23205	779.5	6.92	13	Pass
256QAM	23230	782	6.86	13	Pass
256QAM	23255	784.5	6.62	13	Pass



LTE Band 13, Channel Bandwidth: 10 MHz

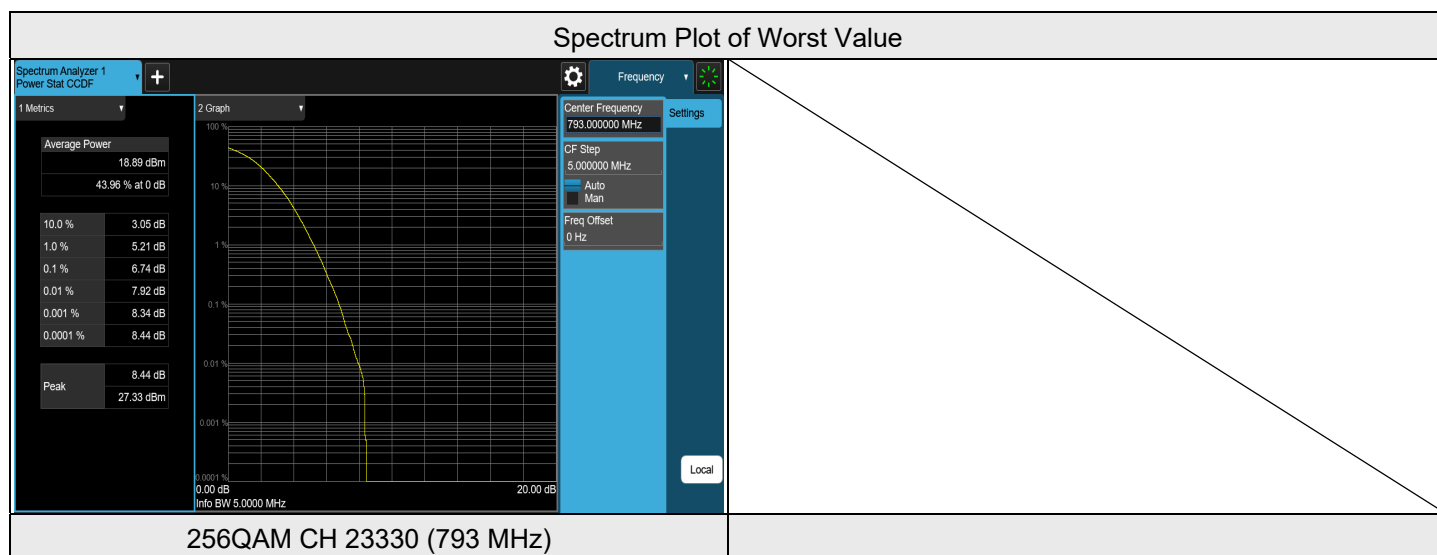
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23230	782	3.34	13	Pass
16QAM	23230	782	4.49	13	Pass
64QAM	23230	782	5.25	13	Pass
256QAM	23230	782	6.77	13	Pass



7.3.10 LTE Band 14

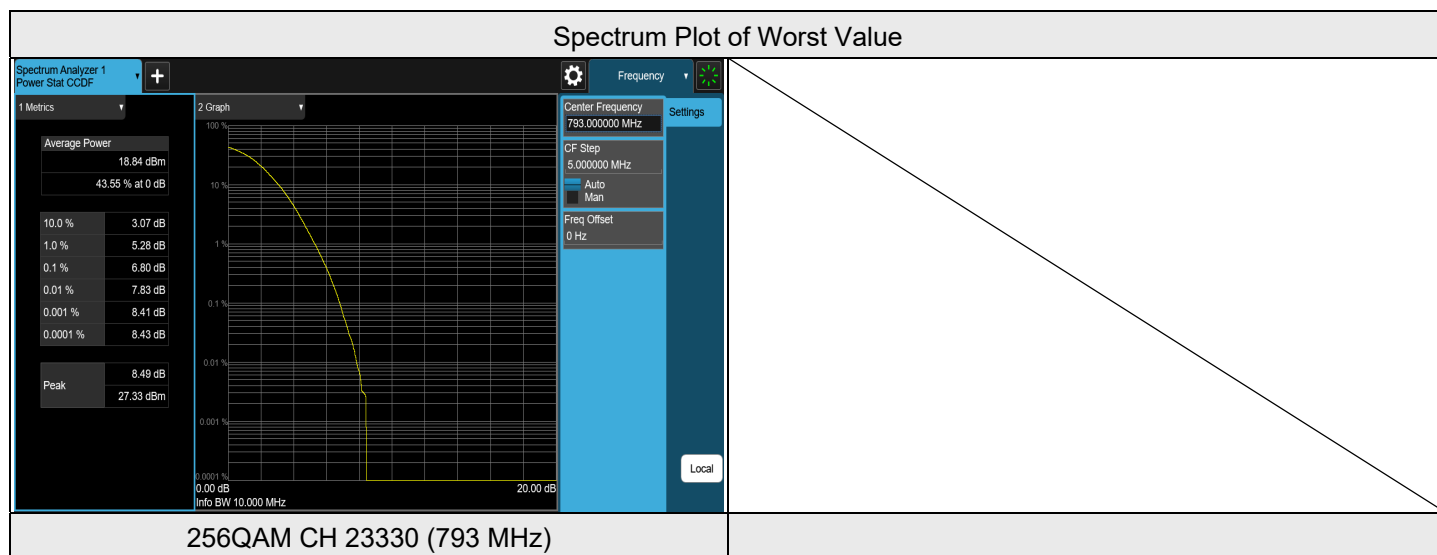
LTE Band 14, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23305	790.5	3.76	13	Pass
QPSK	23330	793	3.59	13	Pass
QPSK	23355	795.5	3.54	13	Pass
16QAM	23305	790.5	4.63	13	Pass
16QAM	23330	793	4.56	13	Pass
16QAM	23355	795.5	4.49	13	Pass
64QAM	23305	790.5	5.40	13	Pass
64QAM	23330	793	5.41	13	Pass
64QAM	23355	795.5	5.39	13	Pass
256QAM	23305	790.5	6.69	13	Pass
256QAM	23330	793	6.74	13	Pass
256QAM	23355	795.5	6.56	13	Pass



LTE Band 14, Channel Bandwidth: 10 MHz

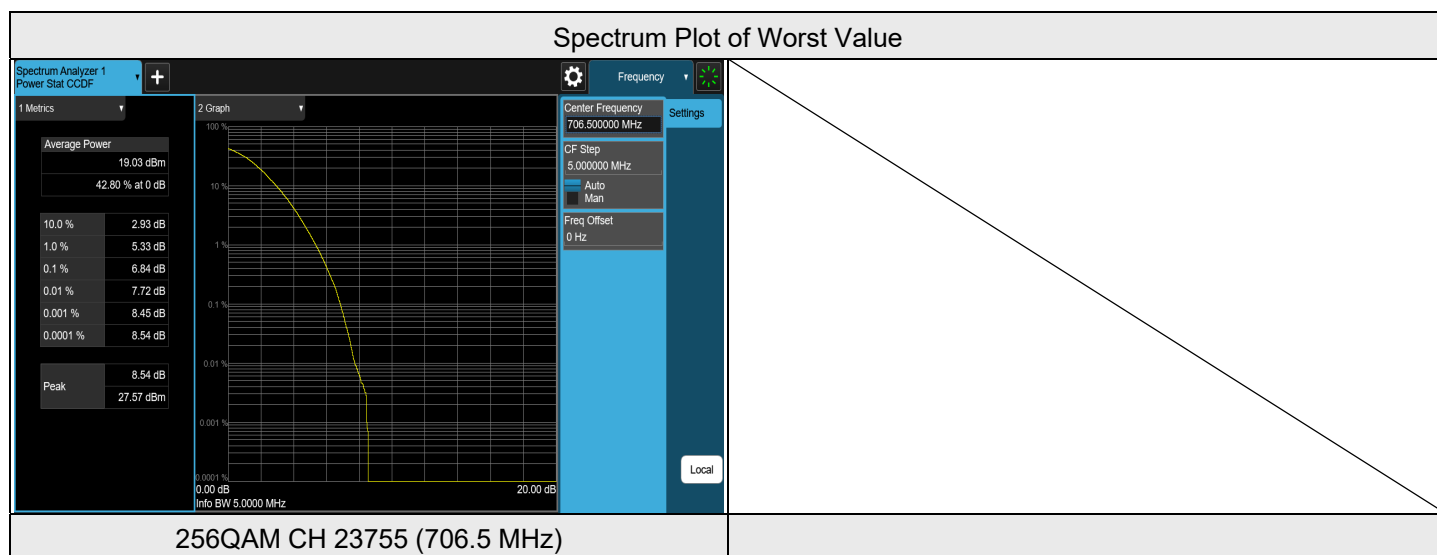
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23330	793	3.46	13	Pass
16QAM	23330	793	4.49	13	Pass
64QAM	23330	793	5.40	13	Pass
256QAM	23330	793	6.80	13	Pass



7.3.11 LTE Band 17

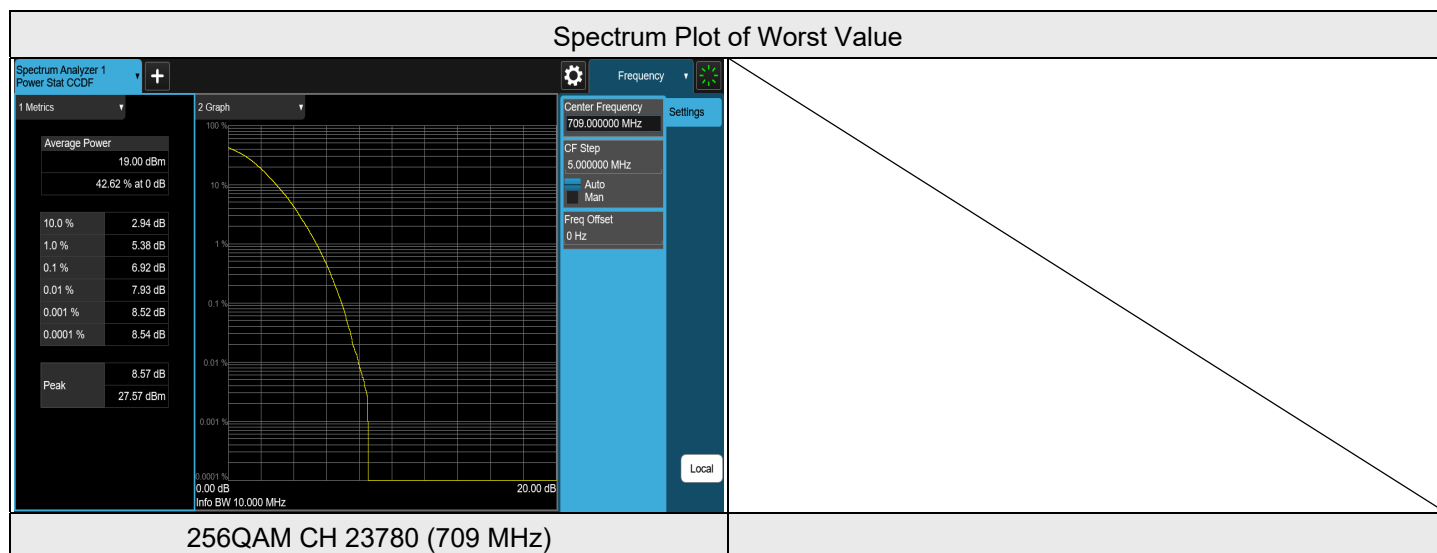
LTE Band 17, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23755	706.5	3.62	13	Pass
QPSK	23790	710	3.56	13	Pass
QPSK	23825	713.5	3.50	13	Pass
16QAM	23755	706.5	4.46	13	Pass
16QAM	23790	710	4.52	13	Pass
16QAM	23825	713.5	4.59	13	Pass
64QAM	23755	706.5	5.49	13	Pass
64QAM	23790	710	5.49	13	Pass
64QAM	23825	713.5	5.46	13	Pass
256QAM	23755	706.5	6.84	13	Pass
256QAM	23790	710	6.82	13	Pass
256QAM	23825	713.5	6.80	13	Pass



LTE Band 17, Channel Bandwidth: 10 MHz

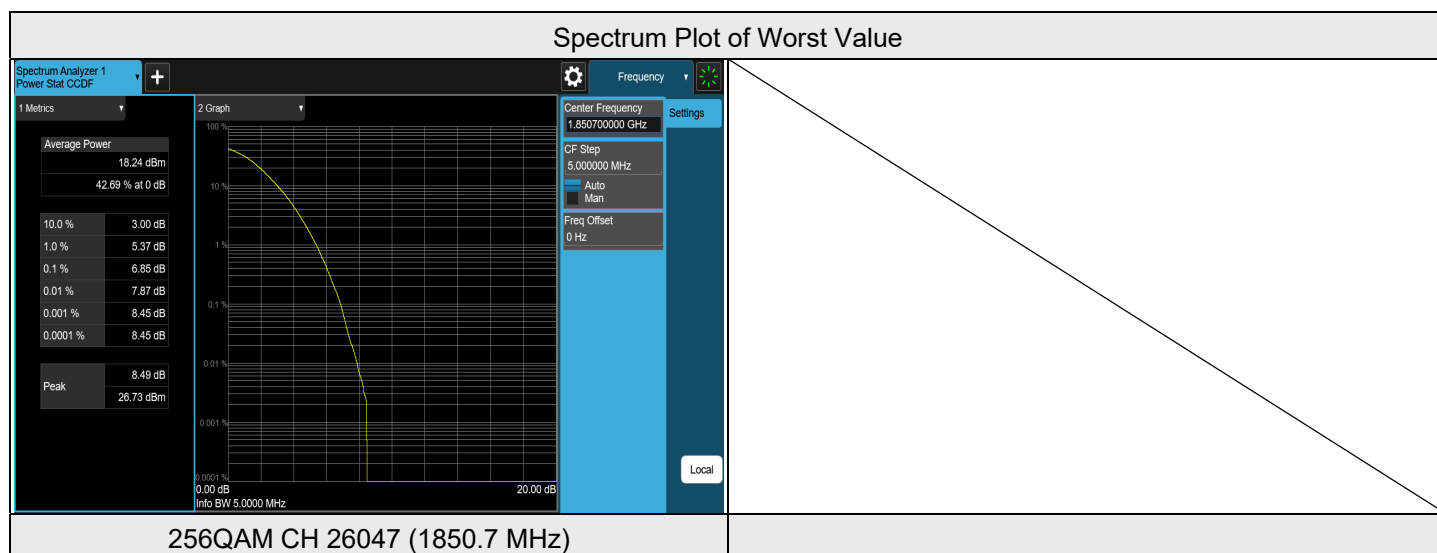
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23780	709	3.44	13	Pass
QPSK	23790	710	3.47	13	Pass
QPSK	23800	711	3.44	13	Pass
16QAM	23780	709	4.51	13	Pass
16QAM	23790	710	4.57	13	Pass
16QAM	23800	711	4.46	13	Pass
64QAM	23780	709	5.51	13	Pass
64QAM	23790	710	5.59	13	Pass
64QAM	23800	711	5.54	13	Pass
256QAM	23780	709	6.92	13	Pass
256QAM	23790	710	6.86	13	Pass
256QAM	23800	711	6.89	13	Pass



7.3.12 LTE Band 25

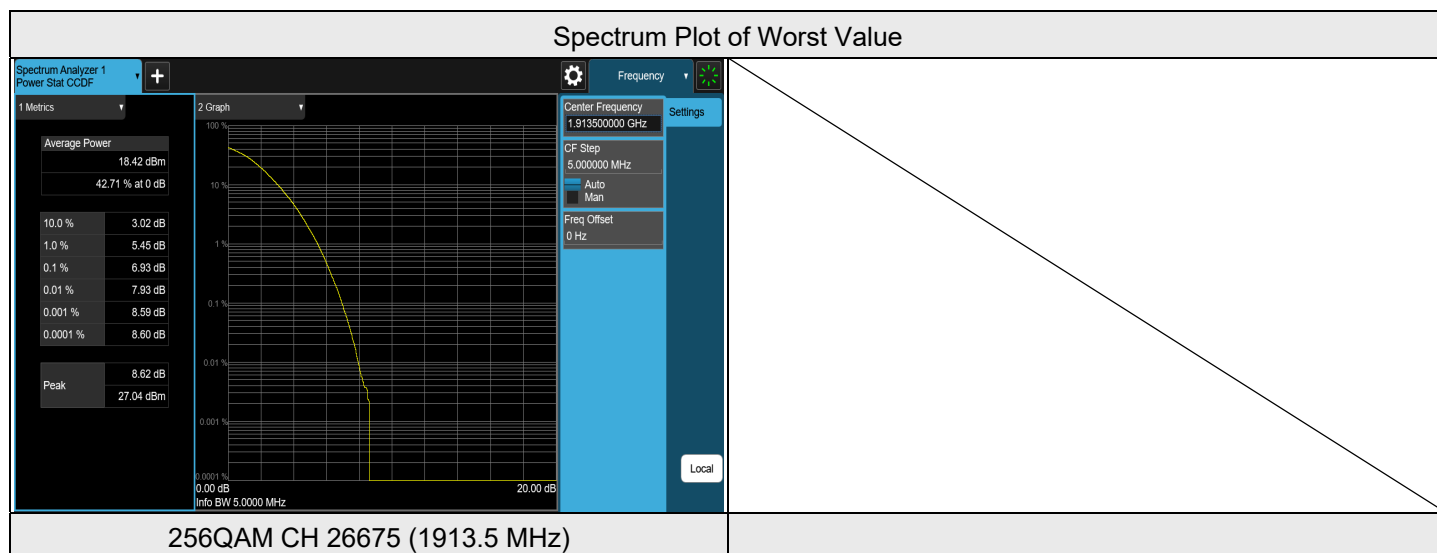
LTE Band 25, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26047	1850.7	3.75	13	Pass
QPSK	26365	1882.5	3.47	13	Pass
QPSK	26683	1914.3	3.47	13	Pass
16QAM	26047	1850.7	4.55	13	Pass
16QAM	26365	1882.5	4.53	13	Pass
16QAM	26683	1914.3	4.53	13	Pass
64QAM	26047	1850.7	5.46	13	Pass
64QAM	26365	1882.5	5.46	13	Pass
64QAM	26683	1914.3	5.47	13	Pass
256QAM	26047	1850.7	6.85	13	Pass
256QAM	26365	1882.5	6.85	13	Pass
256QAM	26683	1914.3	6.82	13	Pass



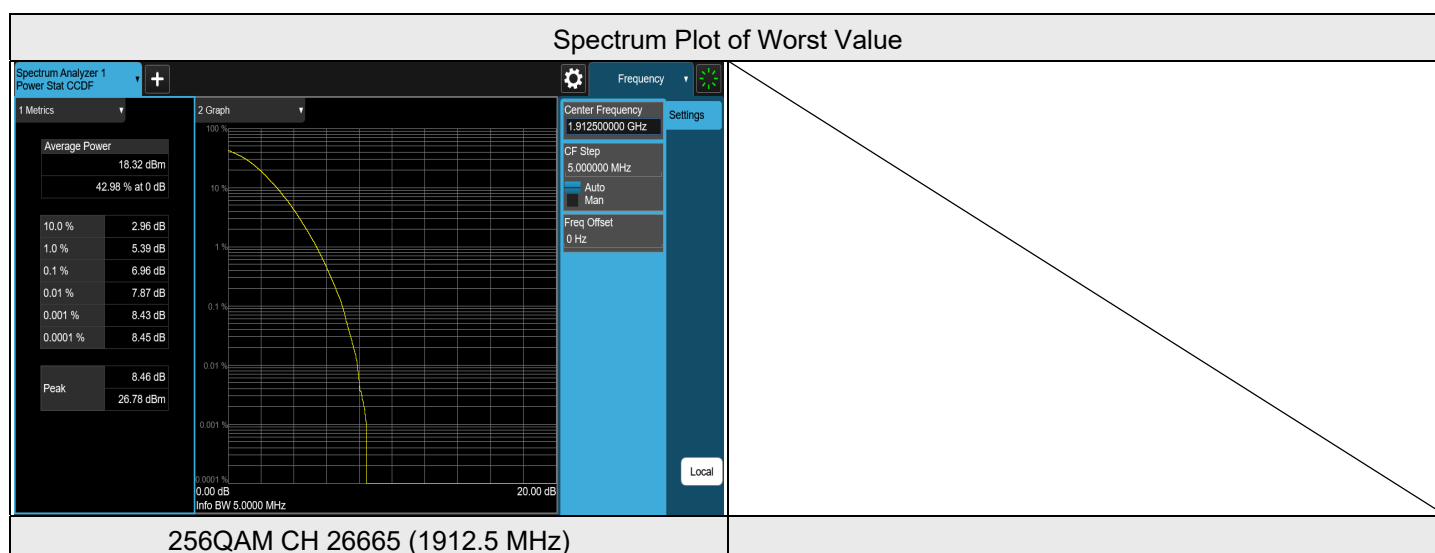
LTE Band 25, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26055	1851.5	3.61	13	Pass
QPSK	26365	1882.5	3.61	13	Pass
QPSK	26675	1913.5	3.58	13	Pass
16QAM	26055	1851.5	4.54	13	Pass
16QAM	26365	1882.5	4.66	13	Pass
16QAM	26675	1913.5	4.55	13	Pass
64QAM	26055	1851.5	5.50	13	Pass
64QAM	26365	1882.5	5.53	13	Pass
64QAM	26675	1913.5	5.59	13	Pass
256QAM	26055	1851.5	6.73	13	Pass
256QAM	26365	1882.5	6.87	13	Pass
256QAM	26675	1913.5	6.93	13	Pass



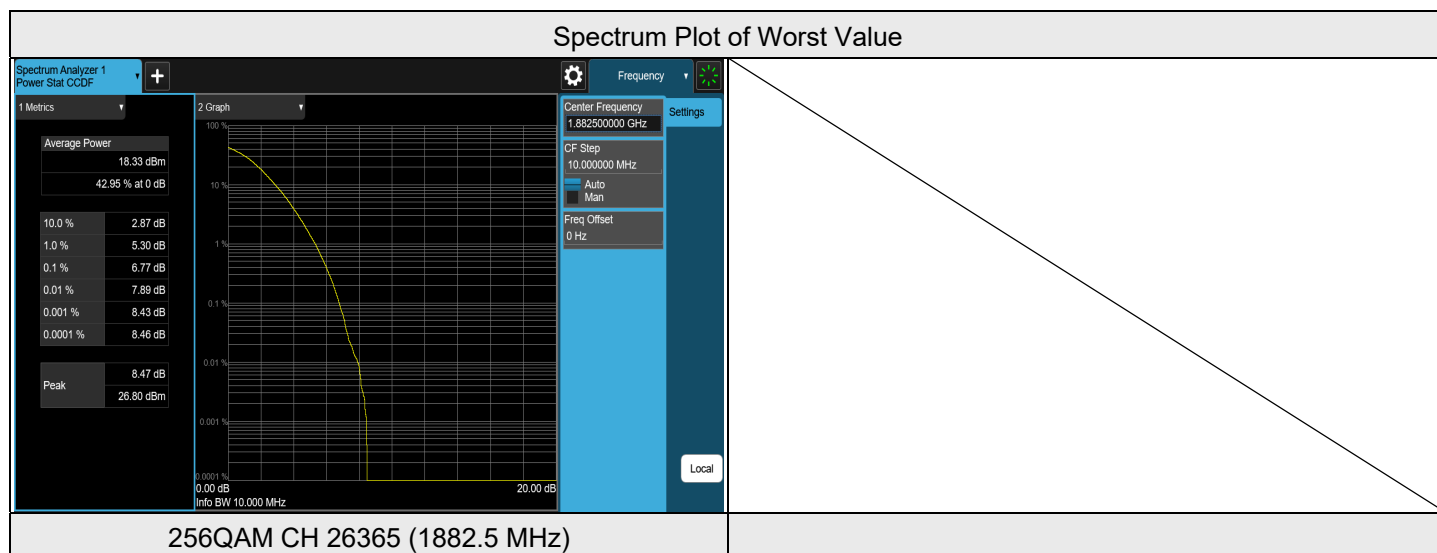
LTE Band 25, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26065	1852.5	3.51	13	Pass
QPSK	26365	1882.5	3.53	13	Pass
QPSK	26665	1912.5	3.55	13	Pass
16QAM	26065	1852.5	4.44	13	Pass
16QAM	26365	1882.5	4.53	13	Pass
16QAM	26665	1912.5	4.57	13	Pass
64QAM	26065	1852.5	5.44	13	Pass
64QAM	26365	1882.5	5.52	13	Pass
64QAM	26665	1912.5	5.50	13	Pass
256QAM	26065	1852.5	6.77	13	Pass
256QAM	26365	1882.5	6.77	13	Pass
256QAM	26665	1912.5	6.96	13	Pass



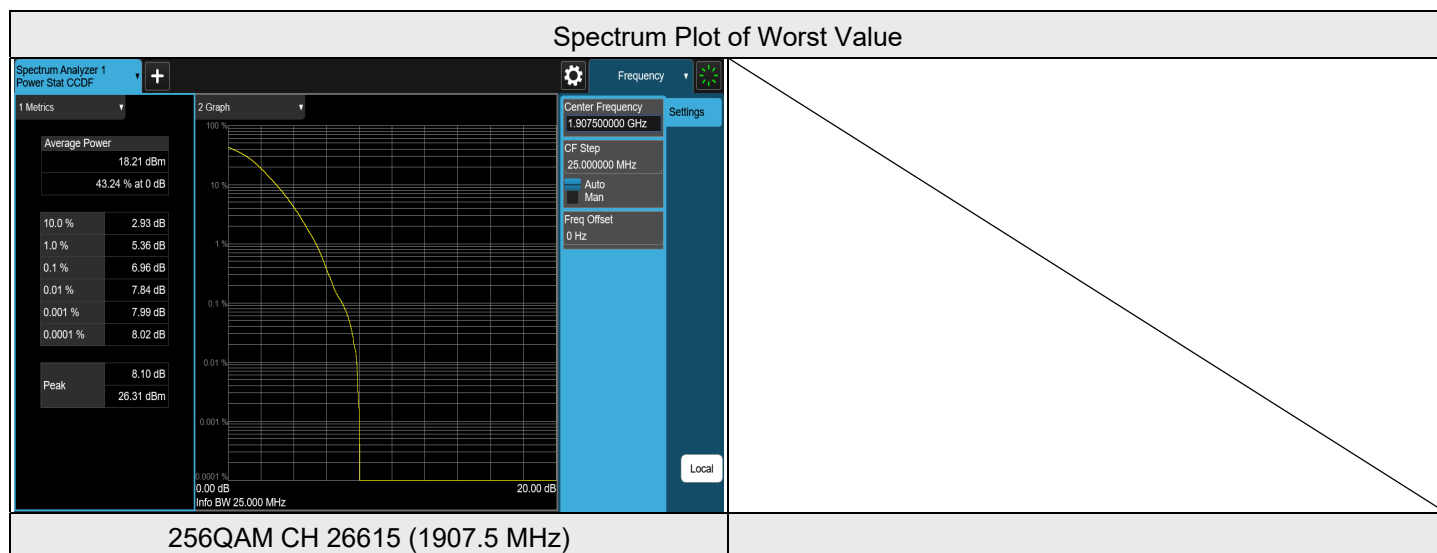
LTE Band 25, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26090	1855	3.53	13	Pass
QPSK	26365	1882.5	3.47	13	Pass
QPSK	26640	1910	3.49	13	Pass
16QAM	26090	1855	4.56	13	Pass
16QAM	26365	1882.5	4.52	13	Pass
16QAM	26640	1910	4.51	13	Pass
64QAM	26090	1855	5.47	13	Pass
64QAM	26365	1882.5	5.49	13	Pass
64QAM	26640	1910	5.44	13	Pass
256QAM	26090	1855	6.66	13	Pass
256QAM	26365	1882.5	6.77	13	Pass
256QAM	26640	1910	6.49	13	Pass



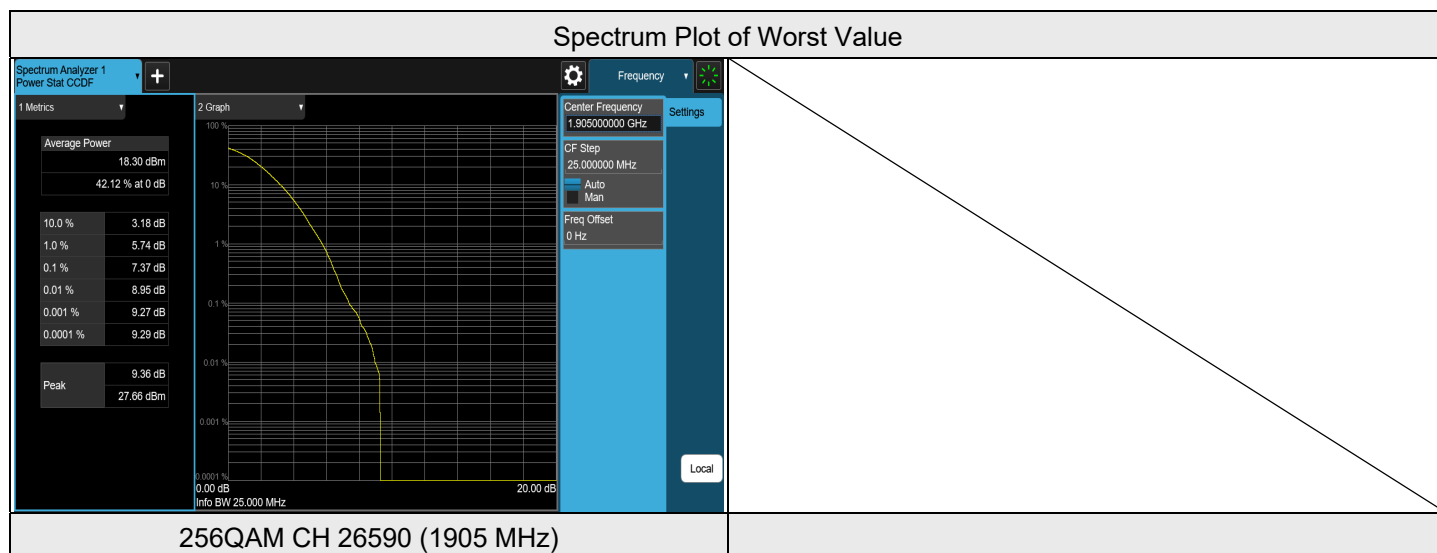
LTE Band 25, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26115	1857.5	3.46	13	Pass
QPSK	26365	1882.5	3.72	13	Pass
QPSK	26615	1907.5	3.57	13	Pass
16QAM	26115	1857.5	4.52	13	Pass
16QAM	26365	1882.5	4.70	13	Pass
16QAM	26615	1907.5	4.63	13	Pass
64QAM	26115	1857.5	5.41	13	Pass
64QAM	26365	1882.5	5.52	13	Pass
64QAM	26615	1907.5	5.53	13	Pass
256QAM	26115	1857.5	6.63	13	Pass
256QAM	26365	1882.5	6.79	13	Pass
256QAM	26615	1907.5	6.96	13	Pass



LTE Band 25, Channel Bandwidth: 20 MHz

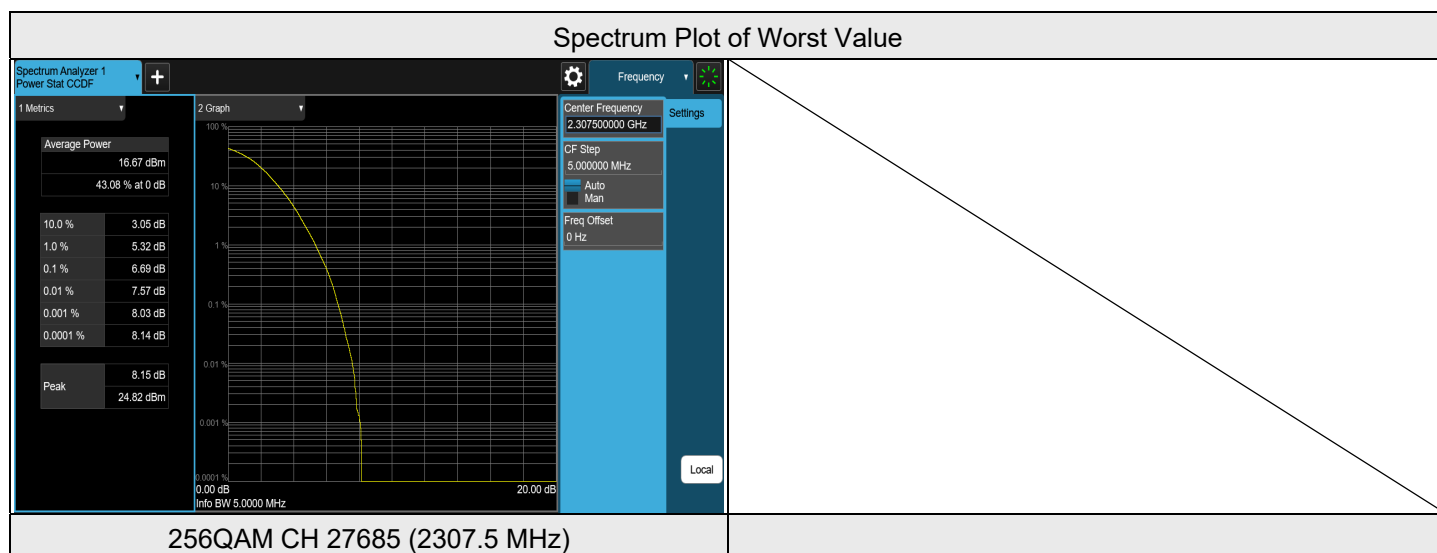
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26140	1860	3.54	13	Pass
QPSK	26365	1882.5	3.51	13	Pass
QPSK	26590	1905	3.88	13	Pass
16QAM	26140	1860	4.71	13	Pass
16QAM	26365	1882.5	4.49	13	Pass
16QAM	26590	1905	4.84	13	Pass
64QAM	26140	1860	5.41	13	Pass
64QAM	26365	1882.5	5.37	13	Pass
64QAM	26590	1905	6.11	13	Pass
256QAM	26140	1860	6.98	13	Pass
256QAM	26365	1882.5	6.63	13	Pass
256QAM	26590	1905	7.37	13	Pass



7.3.13 LTE Band 30

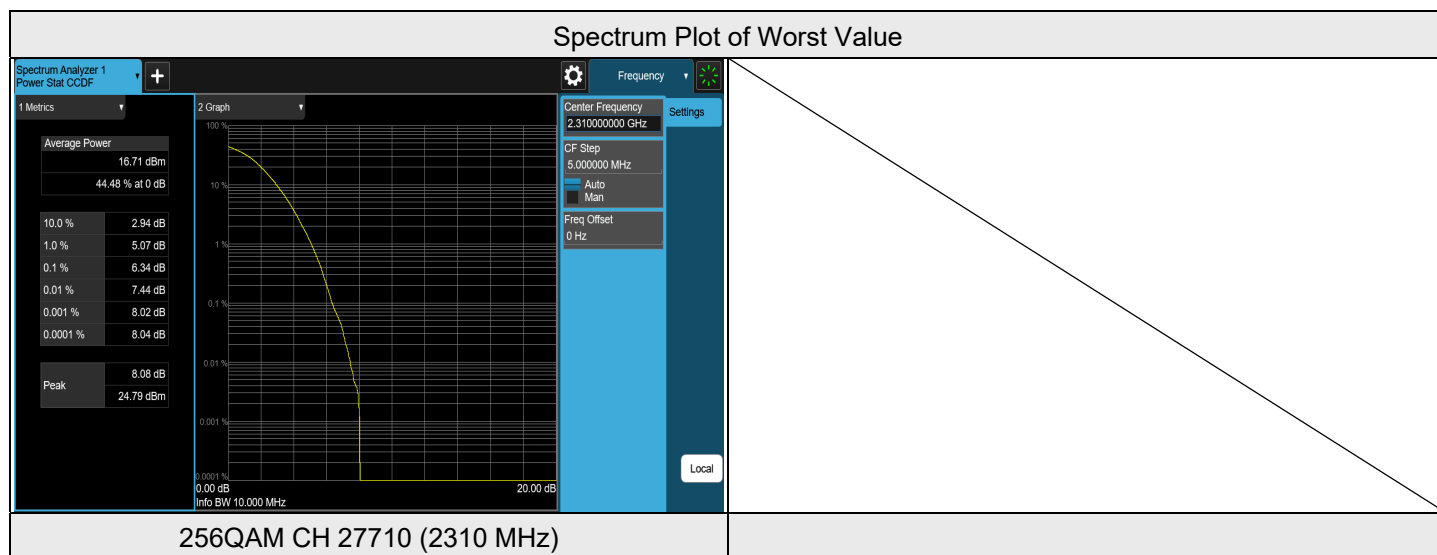
LTE Band 30, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	27685	2307.5	3.50	13	Pass
QPSK	27710	2310	3.47	13	Pass
QPSK	27735	2312.5	3.51	13	Pass
16QAM	27685	2307.5	4.45	13	Pass
16QAM	27710	2310	4.48	13	Pass
16QAM	27735	2312.5	4.54	13	Pass
64QAM	27685	2307.5	5.37	13	Pass
64QAM	27710	2310	5.37	13	Pass
64QAM	27735	2312.5	5.49	13	Pass
256QAM	27685	2307.5	6.69	13	Pass
256QAM	27710	2310	6.55	13	Pass
256QAM	27735	2312.5	6.66	13	Pass



LTE Band 30, Channel Bandwidth: 10 MHz

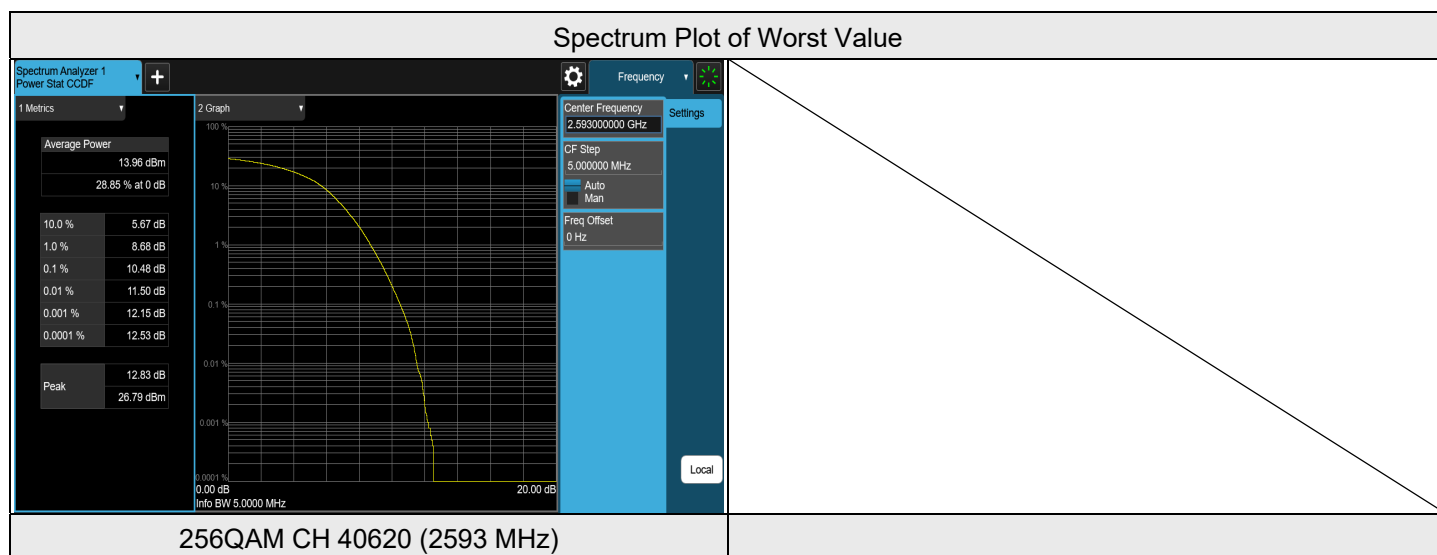
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	27710	2310	3.42	13	Pass
16QAM	27710	2310	4.49	13	Pass
64QAM	27710	2310	5.32	13	Pass
256QAM	27710	2310	6.34	13	Pass



7.3.14 LTE Band 41

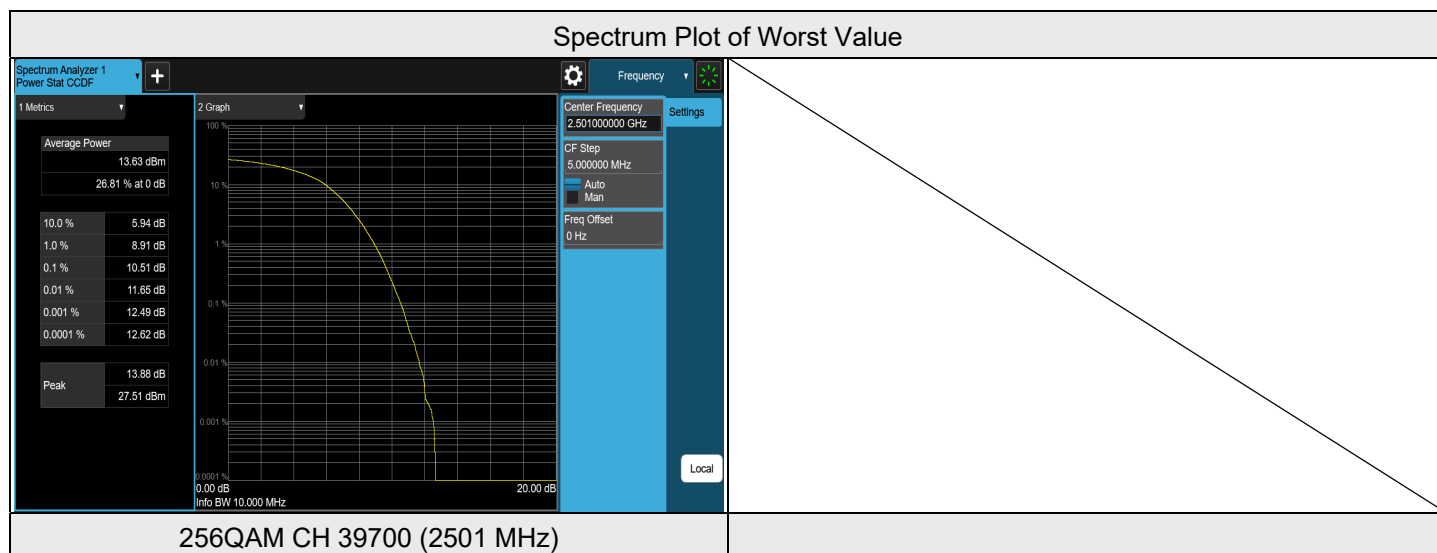
LTE Band 41, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	39675	2498.5	7.61	13	Pass
QPSK	40620	2593	7.53	13	Pass
QPSK	41565	2687.5	7.50	13	Pass
16QAM	39675	2498.5	8.29	13	Pass
16QAM	40620	2593	8.21	13	Pass
16QAM	41565	2687.5	7.99	13	Pass
64QAM	39675	2498.5	8.91	13	Pass
64QAM	40620	2593	9.76	13	Pass
64QAM	41565	2687.5	8.97	13	Pass
256QAM	39675	2498.5	10.44	13	Pass
256QAM	40620	2593	10.48	13	Pass
256QAM	41565	2687.5	9.95	13	Pass



LTE Band 41, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	39700	2501	7.73	13	Pass
QPSK	40620	2593	7.69	13	Pass
QPSK	41540	2685	7.17	13	Pass
16QAM	39700	2501	9.39	13	Pass
16QAM	40620	2593	8.24	13	Pass
16QAM	41540	2685	8.04	13	Pass
64QAM	39700	2501	9.34	13	Pass
64QAM	40620	2593	9.50	13	Pass
64QAM	41540	2685	8.46	13	Pass
256QAM	39700	2501	10.51	13	Pass
256QAM	40620	2593	9.34	13	Pass
256QAM	41540	2685	9.75	13	Pass



LTE Band 41, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	39725	2503.5	6.52	13	Pass
QPSK	40620	2593	7.36	13	Pass
QPSK	41515	2682.5	6.48	13	Pass
16QAM	39725	2503.5	7.20	13	Pass
16QAM	40620	2593	6.88	13	Pass
16QAM	41515	2682.5	8.77	13	Pass
64QAM	39725	2503.5	10.92	13	Pass
64QAM	40620	2593	9.72	13	Pass
64QAM	41515	2682.5	9.07	13	Pass
256QAM	39725	2503.5	9.85	13	Pass
256QAM	40620	2593	8.87	13	Pass
256QAM	41515	2682.5	10.38	13	Pass

