

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.: RFBFKV-WTW-P25110335

FCC ID: L6AITN100-1

Product: Radar H2

Brand: BlackBerry

Model No.: ITN100-1

Received Date: 2025/11/16

Test Date: 2025/11/18 ~ 2025/12/4

Issued Date: 2025/12/19

Applicant: BlackBerry Limited

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FCC Registration / 788550 / TW0003

Designation Number:

Approved by:

Jeremy Lin

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2025/12/19

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
RFBFKV-WTW-P25110335	Original release.	2025/12/19

1 Certificate

Product: Radar H2

Brand: BlackBerry

Test Model: ITN100-1

Sample Status: Engineering sample

Applicant: BlackBerry Limited

Test Date: 2025/11/18 ~ 2025/12/4

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 v02r02

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

Standard / Clause	Test Item	Result	Remark
Part 2.1046 Part 22.913 (a) Part 24.232 (c) Part 27.50(d) Part 27.50(h) Part 27.50(c) Part 27.50(b) Part 90.635(b)	Effective Radiated Power and Equivalent Isotropically Radiated Power	Pass	Meet the requirement of limit.
Part 2.1047	Modulation Characteristics	Pass	Meet the requirement of limit.
Part 22.913 (d) Part 24.232 (d) Part 27.50(d)	Peak to Average Ratio	Pass	Meet the requirement of limit.
Part 2.1049	Bandwidth	Pass	Meet the requirement of limit.
Part 2.1051 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(c)(f) Part 90.691	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(c)(f) Part 90.691	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -28.86 dB at 72.68 MHz
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(c)(f) Part 90.691	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -10.60 dB at 1564.00 MHz
Part 2.1055 Part 22.355 Part 24.235 Part 27.54 Part 90.213	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:

Parameter	Specification	Uncertainty (±)
Effective Radiated Power and Equivalent Isotropically Radiated Power	-	1.371 dB
Peak to Average Ratio	-	0.920 dB
Bandwidth	-	960 Hz
Conducted Spurious Emissions	-	2.12 dB
Radiated Spurious Emissions below 1GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.60 dB
Radiated Spurious Emissions above 1GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB
Frequency Stability	-	0.176 ppm

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	Radar H2
Brand	BlackBerry
Test Model	ITN100-1
Status of EUT	Engineering sample
Power Supply Rating	7.2 Vdc (Battery)
EUT Category	Mobile station
Modulation Type	QPSK, 16QAM (Cat 1 bis)
LTE support SISO bands	B2, B4, B5, B7, B12, B13, B25, B26, B38, B41, B66
LTE support MIMO bands	-
LTE bands support CA mode	-
PC3 for Power Class	B2, B4, B5, B7, B12, B13, B25, B26, B38, B41, B66
PC2 for Power Class	-
PC1.5 for Power Class	-
Band Covered Information	-

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Specification
Battery 1	BlackBerry	BAT-63820-002	Power Rating: 7.2 Vdc, 38 Ah
Battery 2	BlackBerry	BAT-63820-001	Power Rating: 7.2 Vdc, 38 Ah

2. EUT Overview

LTE Band 2

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
1.4 MHz	1850.7 ~ 1909.3	QPSK	0.443	26.46	1M09G7D
		16QAM	0.366	25.63	1M09D7W
3 MHz	1851.5 ~ 1908.5	QPSK	0.444	26.47	2M70G7D
		16QAM	0.368	25.66	2M70D7W
5 MHz	1852.5 ~ 1907.5	QPSK	0.454	26.57	4M49G7D
		16QAM	0.381	25.81	4M49D7W
10 MHz	1855 ~ 1905	QPSK	0.441	26.44	8M97G7D
		16QAM	0.372	25.71	4M57D7W
15 MHz	1857.5 ~ 1902.5	QPSK	0.448	26.51	13M5G7D
		16QAM	0.382	25.82	4M68D7W
20 MHz	1860 ~ 1900	QPSK	0.486	26.87	17M9G7D
		16QAM	0.409	26.12	4M81D7W

LTE Band 4

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
1.4 MHz	1710.7 ~ 1754.3	QPSK	0.569	27.55	1M09G7D
		16QAM	0.518	27.14	1M09D7W
3 MHz	1711.5 ~ 1753.5	QPSK	0.574	27.59	2M70G7D
		16QAM	0.508	27.06	2M70D7W
5 MHz	1712.5 ~ 1752.5	QPSK	0.597	27.76	4M49G7D
		16QAM	0.537	27.30	4M49D7W
10 MHz	1715 ~ 1750	QPSK	0.594	27.74	8M97G7D
		16QAM	0.494	26.94	4M58D7W
15 MHz	1717.5 ~ 1747.5	QPSK	0.630	27.99	13M5G7D
		16QAM	0.514	27.11	4M69D7W
20 MHz	1720 ~ 1745	QPSK	0.638	28.05	18M0G7D
		16QAM	0.524	27.19	4M81D7W

LTE Band 5

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
1.4 MHz	824.7 ~ 848.3	QPSK	0.208	23.18	1M09G7D
		16QAM	0.174	22.41	1M09D7W
3 MHz	825.5 ~ 847.5	QPSK	0.208	23.19	2M70G7D
		16QAM	0.174	22.40	2M70D7W
5 MHz	826.5 ~ 846.5	QPSK	0.221	23.45	4M50G7D
		16QAM	0.183	22.62	4M50D7W
10 MHz	829 ~ 844	QPSK	0.261	24.16	9M01G7D
		16QAM	0.214	23.31	4M57D7W

LTE Band 7

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
5 MHz	2502.5 ~ 2567.5	QPSK	0.428	26.31	4M50G7D
		16QAM	0.361	25.57	4M49D7W
10 MHz	2505 ~ 2565	QPSK	0.469	26.71	8M97G7D
		16QAM	0.396	25.98	4M57D7W
15 MHz	2507.5 ~ 2562.5	QPSK	0.506	27.04	13M5G7D
		16QAM	0.413	26.16	4M69D7W
20 MHz	2510 ~ 2560	QPSK	0.507	27.05	18M0G7D
		16QAM	0.419	26.22	4M81D7W

LTE Band 12

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
1.4 MHz	699.7 ~ 715.3	QPSK	0.163	22.12	1M09G7D
		16QAM	0.148	21.69	1M09D7W
3 MHz	700.5 ~ 714.5	QPSK	0.165	22.17	2M70G7D
		16QAM	0.147	21.68	2M70D7W
5 MHz	701.5 ~ 713.5	QPSK	0.170	22.31	4M50G7D
		16QAM	0.152	21.83	4M49D7W
10 MHz	704 ~ 711	QPSK	0.171	22.32	8M98G7D
		16QAM	0.154	21.88	4M58D7W

LTE Band 13

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
5 MHz	779.5 ~ 784.5	QPSK	0.172	22.35	4M49G7D
		16QAM	0.146	21.64	4M49D7W
10 MHz	782	QPSK	0.175	22.42	8M96G7D
		16QAM	0.147	21.66	4M57D7W

LTE Band 25

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
1.4 MHz	1850.7 ~ 1914.3	QPSK	0.495	26.95	1M09G7D
		16QAM	0.420	26.23	1M09D7W
3 MHz	1851.5 ~ 1913.5	QPSK	0.497	26.96	2M70G7D
		16QAM	0.418	26.21	2M70D7W
5 MHz	1852.5 ~ 1912.5	QPSK	0.513	27.10	4M50G7D
		16QAM	0.435	26.38	4M49D7W
10 MHz	1855 ~ 1910	QPSK	0.518	27.14	8M97G7D
		16QAM	0.443	26.46	4M57D7W
15 MHz	1857.5 ~ 1907.5	QPSK	0.512	27.09	13M5G7D
		16QAM	0.437	26.40	4M68D7W
20 MHz	1860 ~ 1905	QPSK	0.537	27.30	17M9G7D
		16QAM	0.460	26.63	4M81D7W

LTE Band 26 (814 MHz ~ 824 MHz)

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
1.4 MHz	814.7 ~ 823.3	QPSK	0.252	24.02	1M09G7D
		16QAM	0.211	23.25	1M09D7W
3 MHz	815.5 ~ 822.5	QPSK	0.250	23.98	2M70G7D
		16QAM	0.210	23.23	2M70D7W
5 MHz	816.5 ~ 821.5	QPSK	0.254	24.05	4M50G7D
		16QAM	0.213	23.28	4M49D7W
10 MHz	819	QPSK	0.256	24.09	8M96G7D
		16QAM	0.214	23.31	4M56D7W

LTE Band 26 (824 MHz ~ 849 MHz)

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
1.4 MHz	824.7 ~ 848.3	QPSK	0.255	24.06	1M09G7D
		16QAM	0.212	23.27	1M09D7W
3 MHz	825.5 ~ 847.5	QPSK	0.251	24.00	2M70G7D
		16QAM	0.209	23.20	2M70D7W
5 MHz	826.5 ~ 846.5	QPSK	0.258	24.11	4M49G7D
		16QAM	0.214	23.31	4M49D7W
10 MHz	829 ~ 844	QPSK	0.256	24.09	8M98G7D
		16QAM	0.215	23.32	4M57D7W
15 MHz	831.5 ~ 841.5	QPSK	0.261	24.17	13M5G7D
		16QAM	0.228	23.57	4M68D7W

LTE Band 38

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
5 MHz	2572.5 ~ 2617.5	QPSK	0.490	26.90	4M49G7D
		16QAM	0.381	25.81	4M49D7W
10 MHz	2575 ~ 2615	QPSK	0.499	26.98	8M97G7D
		16QAM	0.394	25.95	4M58D7W
15 MHz	2577.5 ~ 2612.5	QPSK	0.516	27.13	13M5G7D
		16QAM	0.397	25.99	4M68D7W
20 MHz	2580 ~ 2610	QPSK	0.519	27.15	17M9G7D
		16QAM	0.405	26.07	4M82D7W

LTE Band 41

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
5 MHz	2498.5 ~ 2687.5	QPSK	0.493	26.93	4M50G7D
		16QAM	0.409	26.12	4M49D7W
10 MHz	2501 ~ 2685	QPSK	0.504	27.02	8M97G7D
		16QAM	0.416	26.19	4M57D7W
15 MHz	2503.5 ~ 2682.5	QPSK	0.506	27.04	13M5G7D
		16QAM	0.421	26.24	4M68D7W
20 MHz	2506 ~ 2680	QPSK	0.527	27.22	17M9G7D
		16QAM	0.437	26.40	4M82D7W

LTE Band 66

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
1.4 MHz	1710.7 ~ 1779.3	QPSK	0.676	28.30	1M09G7D
		16QAM	0.558	27.47	1M09D7W
3 MHz	1711.5 ~ 1778.5	QPSK	0.652	28.14	2M70G7D
		16QAM	0.543	27.35	2M70D7W
5 MHz	1712.5 ~ 1777.5	QPSK	0.656	28.17	4M49G7D
		16QAM	0.543	27.35	4M49D7W
10 MHz	1715 ~ 1775	QPSK	0.664	28.22	8M97G7D
		16QAM	0.547	27.38	4M58D7W
15 MHz	1717.5 ~ 1772.5	QPSK	0.700	28.45	13M5G7D
		16QAM	0.581	27.64	4M68D7W
20 MHz	1720 ~ 1770	QPSK	0.728	28.62	17M9G7D
		16QAM	0.608	27.84	4M80D7W

- For detailed information about each WWAN bands frequency range, bandwidth mode of the product, please refer to section 3.3 of the report.
- 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.

Type	Monnpole	
Connector	Murata MM8030-2610B/RJ3/RK0	
Band	Freq. Range (MHz)	Gain (dBi)
LTE B2	1850 ~ 1910	3.25
LTE B4	1710 ~ 1755	4.42
LTE B5	824 ~ 849	2.41
LTE B7	2500 ~ 2570	3.86
LTE B12	698 ~ 716	0.52
LTE B13	777 ~ 787	0.52
LTE B25	1850 ~ 1915	3.25
LTE B26	814 ~ 849	2.41
LTE B38	2570 ~ 2620	3.86
LTE B41	2496 ~ 2690	3.86
LTE B66	1710 ~ 1780	4.42

* 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:	The Battery has the following models: Battery 1/ Battery 2. Pre-scan these models of batteries and find the worst case as a representative test condition.
Worst Case:	1. Battery Worst Condition: Battery 1. 2. EUT only used in the Y-axis.

3.3.1 LTE Band 2

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

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

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz	19193(1909.30 MHz)	1.4 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	18607(1850.70 MHz)	1.4 MHz	QPSK	1 RB
	18900(1880.00 MHz)			
	19193(1909.30 MHz)			
	18625(1852.50 MHz)	5 MHz	QPSK	1 RB
	18900(1880.00 MHz)			
	19175(1907.50 MHz)			
Frequency Stability	18700(1860.00 MHz)	20 MHz	QPSK	Full RB
	18900(1880.00 MHz)			
	19100(1900.00 MHz)			

3.3.2 LTE Band 4

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	19957(1710.70 MHz) 20175(1732.50 MHz) 20393(1754.30 MHz)	1.4 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	19965(1711.50 MHz) 20175(1732.50 MHz) 20385(1753.50 MHz)	3 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	19975(1712.50 MHz) 20175(1732.50 MHz) 20375(1752.50 MHz)	5 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	20000(1715.00 MHz) 20175(1732.50 MHz) 20350(1750.00 MHz)	10 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	20025(1717.50 MHz) 20175(1732.50 MHz) 20325(1747.50 MHz)	15 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	20050(1720.00 MHz) 20175(1732.50 MHz) 20300(1745.00 MHz)	20 MHz	QPSK / 16QAM	1 RB Half RB Full RB
Modulation Characteristics	20175(1732.50 MHz)	20 MHz	QPSK / 16QAM	Full RB
Peak to Average Ratio	19957(1710.70 MHz) 20175(1732.50 MHz) 20393(1754.30 MHz)	1.4 MHz	QPSK / 16QAM	1 RB
	19965(1711.50 MHz) 20175(1732.50 MHz) 20385(1753.50 MHz)	3 MHz	QPSK / 16QAM	1 RB
	19975(1712.50 MHz) 20175(1732.50 MHz) 20375(1752.50 MHz)	5 MHz	QPSK / 16QAM	1 RB
	20000(1715.00 MHz) 20175(1732.50 MHz) 20350(1750.00 MHz)	10 MHz	QPSK / 16QAM	1 RB
	20025(1717.50 MHz) 20175(1732.50 MHz) 20325(1747.50 MHz)	15 MHz	QPSK / 16QAM	1 RB
	20050(1720.00 MHz) 20175(1732.50 MHz) 20300(1745.00 MHz)	20 MHz	QPSK / 16QAM	1 RB

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

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz	20393(1754.30 MHz)	1.4 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	19957(1710.70 MHz)	1.4 MHz	QPSK	1 RB
	20175(1732.50 MHz)			
	20393(1754.30 MHz)			
	19975(1712.50 MHz)	5 MHz	QPSK	1 RB
	20175(1732.50 MHz)			
	20375(1752.50 MHz)			
Frequency Stability	20050(1720.00 MHz)	20 MHz	QPSK	Full RB
	20175(1732.50 MHz)			
	20300(1745.00 MHz)			

3.3.3 LTE Band 5

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

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	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
Radiated Spurious Emissions below 1GHz	20643(848.30 MHz)	1.4 MHz	QPSK	1 RB
Radiated Spurious Emissions 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
Frequency Stability	20450(829.00 MHz) 20600(844.00 MHz)	10 MHz	QPSK	Full RB

3.3.4 LTE Band 7

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

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	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
Radiated Spurious Emissions below 1GHz	21100(2535.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions 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
Frequency Stability	20850(2510.00 MHz) 21350(2560.00 MHz)	20 MHz	QPSK	Full RB

3.3.5 LTE Band 12

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

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	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
Radiated Spurious Emissions below 1GHz	23095(707.50 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions 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
Frequency Stability	23060(704.00 MHz) 23130(711.00 MHz)	10 MHz	QPSK	Full RB

3.3.6 LTE Band 13

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	23205(779.50 MHz) 23230(782.00 MHz) 23255(784.50 MHz)	5 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	23230(782.00 MHz)	10 MHz	QPSK / 16QAM	1 RB Half RB Full RB
Modulation Characteristics	23230(782.00 MHz)	10 MHz	QPSK / 16QAM	Full RB
Peak to Average Ratio	23205(779.50 MHz) 23230(782.00 MHz) 23255(784.50 MHz)	5 MHz	QPSK / 16QAM	1 RB
	23230(782.00 MHz)	10 MHz	QPSK / 16QAM	1 RB
Bandwidth	23205(779.50 MHz) 23230(782.00 MHz) 23255(784.50 MHz)	5 MHz	QPSK / 16QAM	Full RB
	23230(782.00 MHz)	10 MHz	QPSK / 16QAM	Full RB
Conducted Spurious Emissions	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
Radiated Spurious Emissions below 1GHz	23230(782.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions 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
Frequency Stability	23230(782.00 MHz)	10 MHz	QPSK	Full RB

3.3.7 LTE Band 25

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	26047(1850.70 MHz) 26365(1882.50 MHz) 26683(1914.30 MHz)	1.4 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	26055(1851.50 MHz) 26365(1882.50 MHz) 26675(1913.50 MHz)	3 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	26065(1852.50 MHz) 26365(1882.50 MHz) 26665(1912.50 MHz)	5 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	26090(1855.00 MHz) 26365(1882.50 MHz) 26640(1910.00 MHz)	10 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	26115(1857.50 MHz) 26365(1882.50 MHz) 26615(1907.50 MHz)	15 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	26140(1860.00 MHz) 26365(1882.50 MHz) 26590(1905.00 MHz)	20 MHz	QPSK / 16QAM	1 RB Half RB Full RB
Modulation Characteristics	26365(1882.50 MHz)	20 MHz	QPSK / 16QAM	Full RB
Peak to Average Ratio	26047(1850.70 MHz) 26365(1882.50 MHz) 26683(1914.30 MHz)	1.4 MHz	QPSK / 16QAM	1 RB
	26055(1851.50 MHz) 26365(1882.50 MHz) 26675(1913.50 MHz)	3 MHz	QPSK / 16QAM	1 RB
	26065(1852.50 MHz) 26365(1882.50 MHz) 26665(1912.50 MHz)	5 MHz	QPSK / 16QAM	1 RB
	26090(1855.00 MHz) 26365(1882.50 MHz) 26640(1910.00 MHz)	10 MHz	QPSK / 16QAM	1 RB
	26115(1857.50 MHz) 26365(1882.50 MHz) 26615(1907.50 MHz)	15 MHz	QPSK / 16QAM	1 RB
	26140(1860.00 MHz) 26365(1882.50 MHz) 26590(1905.00 MHz)	20 MHz	QPSK / 16QAM	1 RB

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

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz	26365(1882.50 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	26047(1850.70 MHz)	1.4 MHz	QPSK	1 RB
	26365(1882.50 MHz)			
	26683(1914.30 MHz)			
	26065(1852.50 MHz)	5 MHz	QPSK	1 RB
	26365(1882.50 MHz)			
	26665(1912.50 MHz)			
Frequency Stability	26140(1860.00 MHz)	20 MHz	QPSK	Full RB
	26365(1882.50 MHz)			
	26590(1905.00 MHz)			

3.3.8 LTE Band 26 (814 MHz ~ 824 MHz)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	26697(814.70 MHz) 26740(819.00 MHz) 26783(823.30 MHz)	1.4 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	26705(815.50 MHz) 26740(819.00 MHz) 26775(822.50 MHz)	3 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	26715(816.50 MHz) 26740(819.00 MHz) 26765(821.50 MHz)	5 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	26740(819.00 MHz)	10 MHz	QPSK / 16QAM	1 RB Half RB Full RB
Modulation Characteristics	26740(819.00 MHz)	10 MHz	QPSK / 16QAM	Full RB
Bandwidth	26697(814.70 MHz) 26740(819.00 MHz) 26783(823.30 MHz)	1.4 MHz	QPSK / 16QAM	Full RB
	26705(815.50 MHz) 26740(819.00 MHz) 26775(822.50 MHz)	3 MHz	QPSK / 16QAM	Full RB
	26715(816.50 MHz) 26740(819.00 MHz) 26765(821.50 MHz)	5 MHz	QPSK / 16QAM	Full RB
	26740(819.00 MHz)	10 MHz	QPSK / 16QAM	Full RB
Conducted Spurious Emissions	26697(814.70 MHz) 26740(819.00 MHz) 26783(823.30 MHz)	1.4 MHz	QPSK	1 RB Full RB
	26705(815.50 MHz) 26740(819.00 MHz) 26775(822.50 MHz)	3 MHz	QPSK	1 RB Full RB
	26715(816.50 MHz) 26740(819.00 MHz) 26765(821.50 MHz)	5 MHz	QPSK	1 RB Full RB
	26740(819.00 MHz)	10 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	26740(819.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	26697(814.70 MHz) 26740(819.00 MHz) 26783(823.30 MHz)	1.4 MHz	QPSK	1 RB
	26715(816.50 MHz) 26740(819.00 MHz) 26765(821.50 MHz)	5 MHz	QPSK	1 RB
	26740(819.00 MHz)	10 MHz	QPSK	1 RB
Frequency Stability	26740(819.00 MHz)	10 MHz	QPSK	Full RB

3.3.9 LTE Band 26 (824 MHz ~ 849 MHz)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	26797(824.70 MHz) 26915(836.50 MHz) 27033(848.30 MHz)	1.4 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	26805(825.50 MHz) 26915(836.50 MHz) 27025(847.50 MHz)	3 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	26815(826.50 MHz) 26915(836.50 MHz) 27015(846.50 MHz)	5 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	26840(829.00 MHz) 26915(836.50 MHz) 26990(844.00 MHz)	10 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	26865(831.50 MHz) 26915(836.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK / 16QAM	1 RB Half RB Full RB
Modulation Characteristics	26915(836.50 MHz)	15 MHz	QPSK / 16QAM	Full RB
Peak to Average Ratio	26797(824.70 MHz) 26915(836.50 MHz) 27033(848.30 MHz)	1.4 MHz	QPSK / 16QAM	1 RB
	26805(825.50 MHz) 26915(836.50 MHz) 27025(847.50 MHz)	3 MHz	QPSK / 16QAM	1 RB
	26815(826.50 MHz) 26915(836.50 MHz) 27015(846.50 MHz)	5 MHz	QPSK / 16QAM	1 RB
	26840(829.00 MHz) 26915(836.50 MHz) 26990(844.00 MHz)	10 MHz	QPSK / 16QAM	1 RB
	26865(831.50 MHz) 26915(836.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK / 16QAM	1 RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	26797(824.70 MHz) 26915(836.50 MHz) 27033(848.30 MHz)	1.4 MHz	QPSK / 16QAM	Full RB
	26805(825.50 MHz) 26915(836.50 MHz) 27025(847.50 MHz)	3 MHz	QPSK / 16QAM	Full RB
	26815(826.50 MHz) 26915(836.50 MHz) 27015(846.50 MHz)	5 MHz	QPSK / 16QAM	Full RB
	26840(829.00 MHz) 26915(836.50 MHz) 26990(844.00 MHz)	10 MHz	QPSK / 16QAM	Full RB
	26865(831.50 MHz) 26915(836.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK / 16QAM	Full RB
Conducted Spurious Emissions	26797(824.70 MHz) 26915(836.50 MHz) 27033(848.30 MHz)	1.4 MHz	QPSK	1 RB Full RB
	26805(825.50 MHz) 26915(836.50 MHz) 27025(847.50 MHz)	3 MHz	QPSK	1 RB Full RB
	26815(826.50 MHz) 26915(836.50 MHz) 27015(846.50 MHz)	5 MHz	QPSK	1 RB Full RB
	26840(829.00 MHz) 26915(836.50 MHz) 26990(844.00 MHz)	10 MHz	QPSK	1 RB Full RB
	26865(831.50 MHz) 26915(836.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	26965(841.50 MHz)	15 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	26797(824.70 MHz) 26915(836.50 MHz) 27033(848.30 MHz)	1.4 MHz	QPSK	1 RB
	26815(826.50 MHz) 26915(836.50 MHz) 27015(846.50 MHz)	5 MHz	QPSK	1 RB
	26865(831.50 MHz) 26915(836.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK	1 RB
Frequency Stability	26865(831.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK	Full RB

3.3.10 LTE Band 38

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	37775(2572.50 MHz) 38000(2595.00 MHz) 38225(2617.50 MHz)	5 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	37800(2575.00 MHz) 38000(2595.00 MHz) 38200(2615.00 MHz)	10 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	37825(2577.50 MHz) 38000(2595.00 MHz) 38175(2612.50 MHz)	15 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	37850(2580.00 MHz) 38000(2595.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK / 16QAM	1 RB Half RB Full RB
Modulation Characteristics	38000(2595.00 MHz)	20 MHz	QPSK / 16QAM	Full RB
Peak to Average Ratio	37775(2572.50 MHz) 38000(2595.00 MHz) 38225(2617.50 MHz)	5 MHz	QPSK / 16QAM	1 RB
	37800(2575.00 MHz) 38000(2595.00 MHz) 38200(2615.00 MHz)	10 MHz	QPSK / 16QAM	1 RB
	37825(2577.50 MHz) 38000(2595.00 MHz) 38175(2612.50 MHz)	15 MHz	QPSK / 16QAM	1 RB
	37850(2580.00 MHz) 38000(2595.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK / 16QAM	1 RB
Bandwidth	37775(2572.50 MHz) 38000(2595.00 MHz) 38225(2617.50 MHz)	5 MHz	QPSK / 16QAM	Full RB
	37800(2575.00 MHz) 38000(2595.00 MHz) 38200(2615.00 MHz)	10 MHz	QPSK / 16QAM	Full RB
	37825(2577.50 MHz) 38000(2595.00 MHz) 38175(2612.50 MHz)	15 MHz	QPSK / 16QAM	Full RB
	37850(2580.00 MHz) 38000(2595.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK / 16QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	37775(2572.50 MHz) 38000(2595.00 MHz) 38225(2617.50 MHz)	5 MHz	QPSK	1 RB Full RB
	37800(2575.00 MHz) 38000(2595.00 MHz) 38200(2615.00 MHz)	10 MHz	QPSK	1 RB Full RB
	37825(2577.50 MHz) 38000(2595.00 MHz) 38175(2612.50 MHz)	15 MHz	QPSK	1 RB Full RB
	37850(2580.00 MHz) 38000(2595.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	38000(2595.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	37775(2572.50 MHz) 38000(2595.00 MHz) 38225(2617.50 MHz)	5 MHz	QPSK	1 RB
	37850(2580.00 MHz) 38000(2595.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK	1 RB
Frequency Stability	37850(2580.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK	Full RB

3.3.11 LTE Band 41

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

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	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
Radiated Spurious Emissions below 1GHz	40620(2593.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions 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
Frequency Stability	39750(2506.00 MHz) 41490(2680.00 MHz)	20 MHz	QPSK	Full RB

3.3.12LTE Band 66

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	131979(1710.70 MHz) 132322(1745.00 MHz) 132665(1779.30 MHz)	1.4 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	131987(1711.50 MHz) 132322(1745.00 MHz) 132657(1778.50 MHz)	3 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	131997(1712.50 MHz) 132322(1745.00 MHz) 132647(1777.50 MHz)	5 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	132022(1715.00 MHz) 132322(1745.00 MHz) 132622(1775.00 MHz)	10 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	132047(1717.50 MHz) 132322(1745.00 MHz) 132597(1772.50 MHz)	15 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	132072(1720.00 MHz) 132322(1745.00 MHz) 132572(1770.00 MHz)	20 MHz	QPSK / 16QAM	1 RB Half RB Full RB
	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM	Full RB
	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM	Full RB
	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM	Full RB
	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM	Full RB
	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM	Full RB
	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM	Full RB
Modulation Characteristics	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM	Full RB
Peak to Average Ratio	131979(1710.70 MHz) 132322(1745.00 MHz) 132665(1779.30 MHz)	1.4 MHz	QPSK / 16QAM	1 RB
	131987(1711.50 MHz) 132322(1745.00 MHz) 132657(1778.50 MHz)	3 MHz	QPSK / 16QAM	1 RB
	131997(1712.50 MHz) 132322(1745.00 MHz) 132647(1777.50 MHz)	5 MHz	QPSK / 16QAM	1 RB
	132022(1715.00 MHz) 132322(1745.00 MHz) 132622(1775.00 MHz)	10 MHz	QPSK / 16QAM	1 RB
	132047(1717.50 MHz) 132322(1745.00 MHz) 132597(1772.50 MHz)	15 MHz	QPSK / 16QAM	1 RB
	132072(1720.00 MHz) 132322(1745.00 MHz) 132572(1770.00 MHz)	20 MHz	QPSK / 16QAM	1 RB
	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM	1 RB
	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM	1 RB
	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM	1 RB
	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM	1 RB
	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM	1 RB
	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM	1 RB

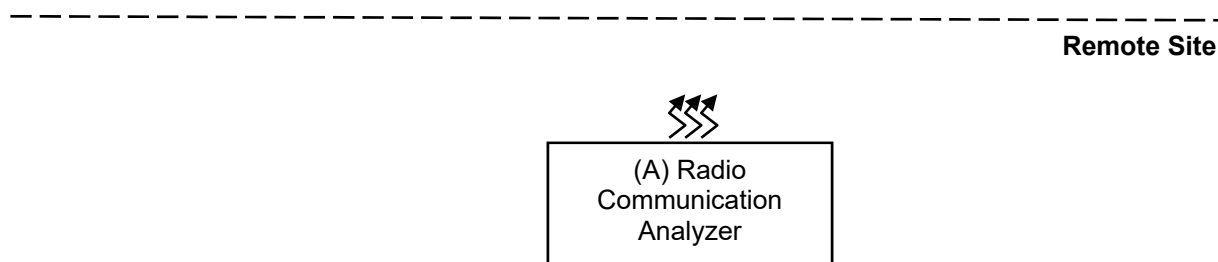
Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Bandwidth	131979(1710.70 MHz) 132322(1745.00 MHz) 132665(1779.30 MHz)	1.4 MHz	QPSK / 16QAM	Full RB
	131987(1711.50 MHz) 132322(1745.00 MHz) 132657(1778.50 MHz)	3 MHz	QPSK / 16QAM	Full RB
	131997(1712.50 MHz) 132322(1745.00 MHz) 132647(1777.50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

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions below 1GHz	132322(1745.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	131979(1710.70 MHz)	1.4 MHz	QPSK	1 RB
	132322(1745.00 MHz)			
	132665(1779.30 MHz)			
	131997(1712.50 MHz)	5 MHz	QPSK	1 RB
	132322(1745.00 MHz)			
	132647(1777.50 MHz)			
Frequency Stability	132072(1720.00 MHz)	20 MHz	QPSK	Full RB
	132322(1745.00 MHz)			
	132572(1770.00 MHz)			

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	NA	Provided by Lab

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
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140938	2025/3/24	2026/3/23
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2025/4/8	2026/4/7
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/11/28 ~ 2025/11/30

4.2 Modulation Characteristics

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2024/5/29 2025/5/23	2025/5/28 2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140938	2025/3/24	2026/3/23
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2025/4/8	2026/4/7
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/11/19 ~ 2025/11/23

4.3 Peak to Average Ratio

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140938	2025/3/24	2026/3/23
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2025/4/8	2026/4/7
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/11/20 ~ 2025/11/23

4.4 Bandwidth

Refer to section 4.3 to get the tested date and information of the instruments.

4.5 Conducted Spurious Emissions

Refer to section 4.3 to get the tested date and information of the instruments.

4.6 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-160	2025/9/16	2026/9/15
Loop Antenna TESEQ	HLA 6121	45745	2025/9/1	2026/8/31
Preamplifier Agilent	8447D	2944A10638	2025/4/27	2026/4/26
Preamplifier EMCI	EMC001340	980201	2025/9/21	2026/9/20
RF Coaxial Cable Woken	8D-FB	Cable-CH9-01	2025/4/27	2026/4/26
Signal & Spectrum Analyzer R&S	FSW43	101866	2025/3/25	2026/3/24
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2025/11/21

4.7 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1169	2025/11/9	2026/11/8
	BBHA 9170	9170-480	2025/11/9	2026/11/8
		BBHA9170243	2025/11/9	2026/11/8
Preamplifier Agilent	8449B	3008A02367	2025/1/5	2026/1/4
Preamplifier EMCI	EMC 184045	980116	2025/9/21	2026/9/20
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2025/6/30	2026/6/29
	EMC102-KM-KM-3000	150929	2025/6/30	2026/6/29
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	2025/1/5	2026/1/4
RF Coaxial Cable HUBER+SUHNER&EMCI	SUCOFLEX 104& EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	2025/1/5	2026/1/4
Signal & Spectrum Analyzer R&S	FSW43	101866	2025/3/25	2026/3/24
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2025/11/18

4.8 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
3-channel DC power supply OWON	ODP3033	ODP30332128138	N/A	N/A
Digital Multimeter Fluke	8050A	4660081	2025/6/6	2026/6/5
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
Signal & Spectrum Analyzer R&S	FSV3044	101504	2025/6/18	2026/6/17
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber Terchy	MHU-225AU	920842	2025/6/25	2026/6/24

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/12/4

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

For LTE Band 2, LTE Band 25:

Mobile and portable stations are limited to 2 watts EIRP.

For LTE Band 5, LTE Band 26 (824 MHz ~ 849 MHz):

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

For 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 LTE Band 7, LTE Band 38, 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:

Control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP.

For LTE Band 13:

Control stations and mobile stations transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands and fixed stations transmitting in the 787-788 MHz and 805-806 MHz bands are limited to 30 watts ERP.

For LTE Band 26 (814 MHz ~ 824 MHz):

The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw) ERP.

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 LTE Band 2, LTE Band 5, LTE Band 25, LTE Band 26 (824 MHz ~ 849 MHz):

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 LTE Band 4, 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.

For LTE Band 7, LTE Band 38, 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:

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 26 (814 MHz ~ 824 MHz):

According to FCC 47 CFR part 90.691 shall be tested the emission masks. For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

For §90.691(a), RBW = 300 Hz for offset less than 37.5 kHz from channel edge and RBW = 100 kHz for offsets greater than 37.5 kHz is allowed.

5.6 Radiated Spurious Emissions below 1GHz

For LTE Band 2, LTE Band 5, LTE Band 25, LTE Band 26 (824 MHz ~ 849 MHz):

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 LTE Band 4, 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.

For LTE Band 7, LTE Band 38, 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:

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 LTE Band 26 (814 MHz ~ 824 MHz):

For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

For §90.691(a), RBW = 100 kHz for offset greater than 37.5 kHz from channel edge is allowed.

5.7 Radiated Spurious Emissions above 1GHz

For LTE Band 2, LTE Band 5, LTE Band 25, LTE Band 26 (824 MHz ~ 849 MHz):

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 LTE Band 4, 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.

For LTE Band 7, LTE Band 38, 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:

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 26 (814 MHz ~ 824 MHz):

For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

For §90.691(a), RBW = 100 kHz for offset greater than 37.5 kHz from channel edge is allowed.

5.8 Frequency Stability

For LTE Band 2, LTE Band 4, LTE Band 7, LTE Band 12, LTE Band 13, LTE Band 25, LTE Band 38, LTE Band 41, LTE Band 66:

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 5, LTE Band 26 (814 MHz ~ 824 MHz), LTE Band 26 (824 MHz ~ 849 MHz):

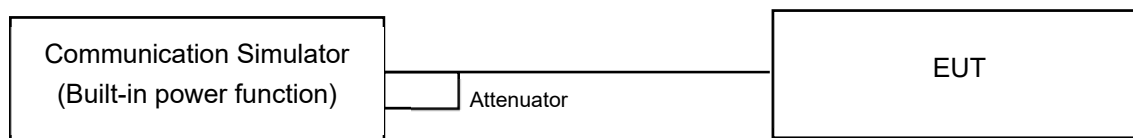
1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

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 average (rms) 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.

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

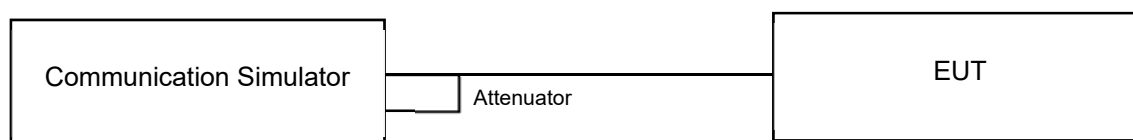
(expressed in the same units as P_{Meas} , e.g., dBm or dBW)

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

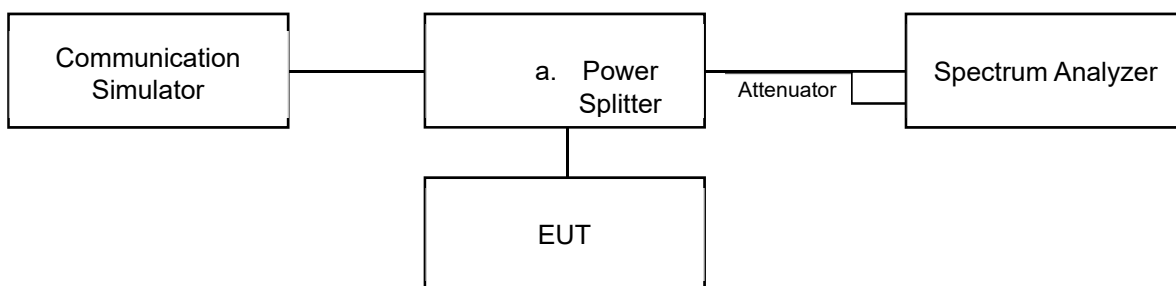


6.2.2 Test Procedure

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

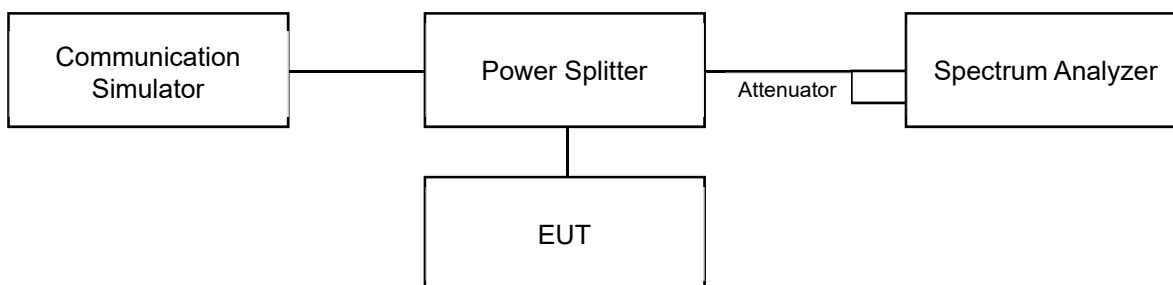


6.3.2 Test Procedure

- 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.

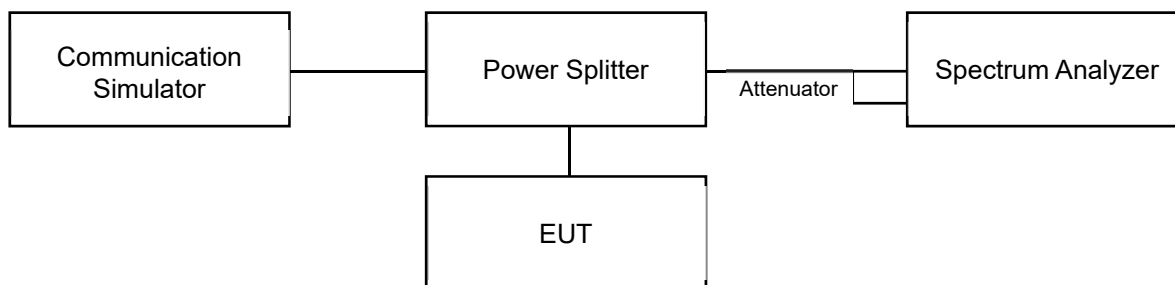
- The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and 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. Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
- e. If the instrument does not have a 99% OBW function, recover the trace data points and sum directly in linear power terms. Place the recovered amplitude data points, beginning at the lowest frequency, in a running sum until 0.5% of the total is reached. Record that frequency as the lower OBW frequency. Repeat the process until 99.5% of the total is reached and record that frequency as the upper OBW frequency. The 99% power OBW can be determined by computing the difference these two frequencies.
- f. The OBW shall be reported by providing plot(s) of the measuring instrument display shall be provided with the test report. The frequency and amplitude axis and scale shall be clearly labeled. Tabular data can 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. 10 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.
- For the emissions measurement method, certain channel BW modes demonstrate compliance by integrating with the smaller RBW allowed by the rule.
For example: Where Reference RBW = 1 MHz and a smaller RBW = 100 kHz is used, worst-case integrated BW power = [Max Measured Value (dBm) with RBW = 100 kHz] + $10 \cdot \log(1000/100)$. To compensate for this integration before comparison to the value, the adjusted reference level offset was increase by 10 dB accordingly.
- Record the maximum power value test plot.

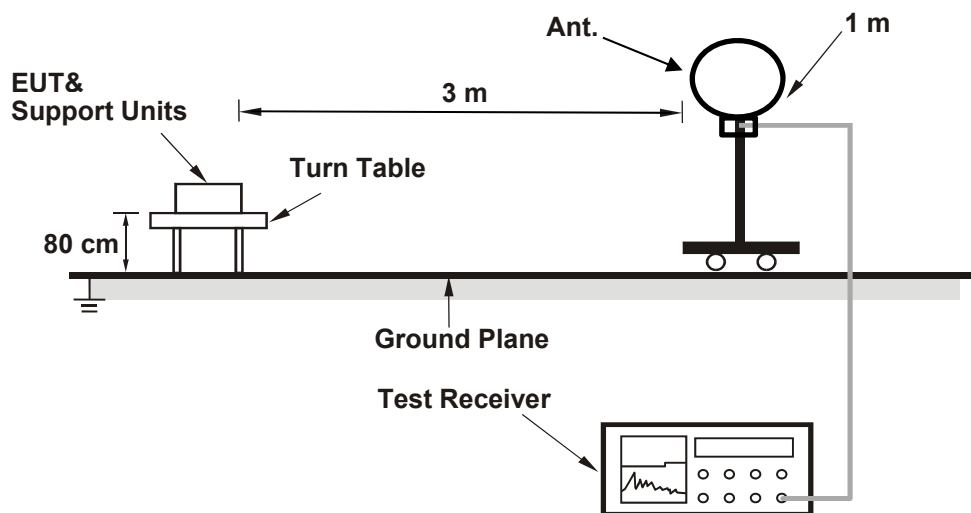
For Emission Mask:

- Measurement refer to ANSI C63.26 section 5.7.
- All measurements were done at 2 channels: low and high operational frequency range.
- Accoding to FCC 47 CFR part 90.691(a), the spectrum set RBW = 300 Hz for offset less than 37.5 kHz from channel edge and RBW = 100 kHz for offsets greater than 37.5 kHz is allowed.
- For the emissions measurement method, certain channel BW modes demonstrate compliance by integrating with the smaller RBW allowed by the rule.
For example: Where Reference RBW = 1 MHz and a smaller RBW = 100 kHz is used, worst-case integrated BW power = [Max Measured Value (dBm) with RBW = 100 kHz] + $10 \cdot \log(1000/100)$. To compensate for this integration before comparison to the value, the adjusted reference level offset was increase by 10 dB accordingly.
- Record the maximum power value test plot.

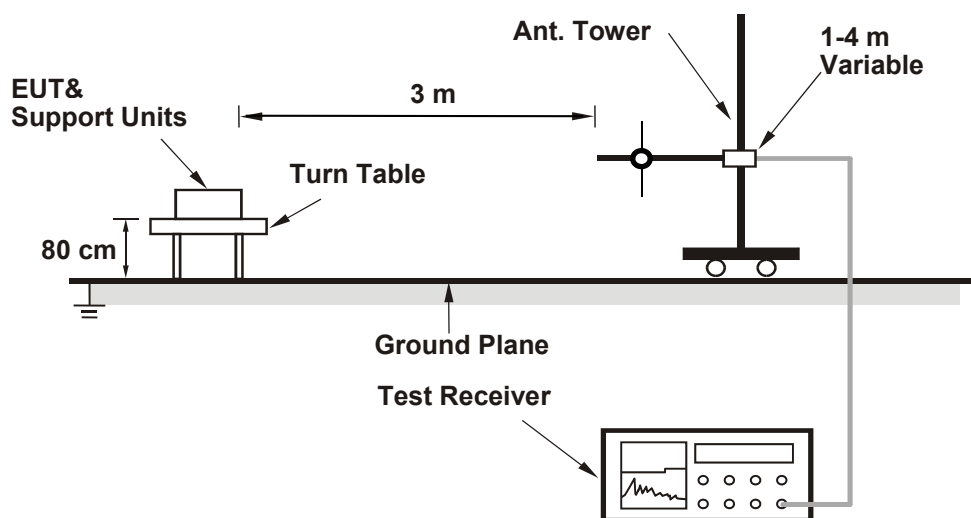
6.6 Radiated Spurious Emissions below 1GHz

6.6.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.6.2 Test Procedure

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

- a. 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.
- b. 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.
- c. 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.
- d. Following ANSI C63.26 section 5.5 and 5.2.7
- e. $EIRP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.
- f. $ERP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8 - 2.15$; where D is the measurement distance (in the far field region) in m.

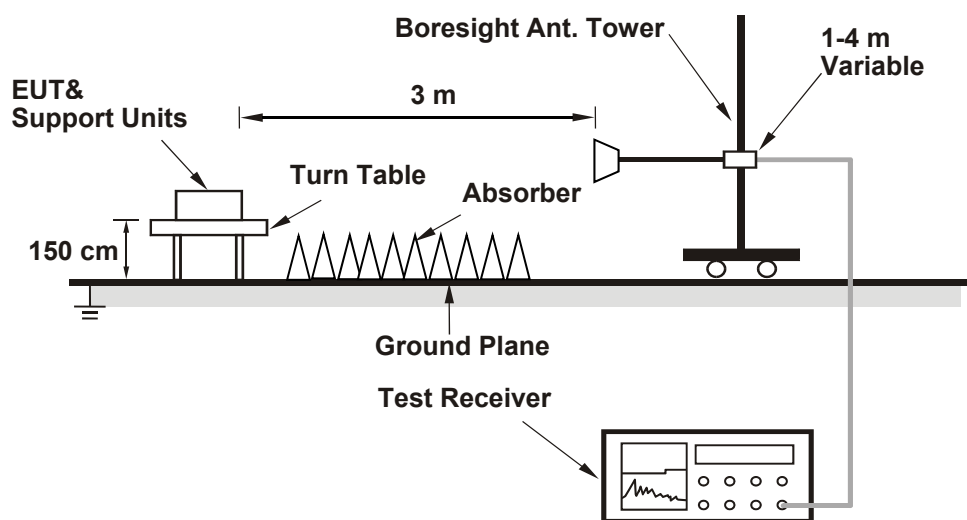
Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz. Set detector = average.
2. The amplitude of spurious emissions in the range 9 kHz to 30 MHz which are attenuated more than 20 dB below the permissible value need not be reported.

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

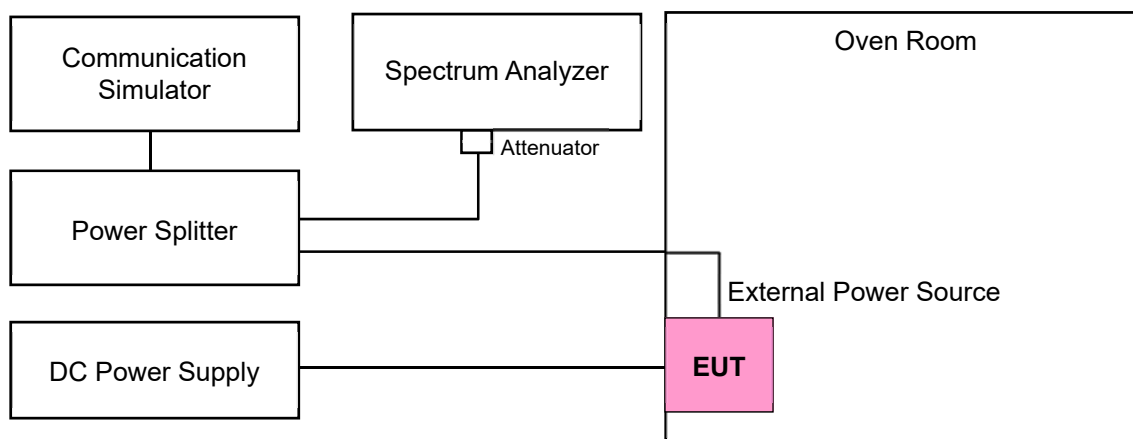
The EUT is configured to set data modulation and maximum power using WWAN technology.

- 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 ANSI 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. Set detector = average.

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:	7.20 Vdc	Environmental Conditions:	23°C, 62% RH	Tested By:	Charles Hsiao
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7.1.1 LTE Band 2

LTE Band 2, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18607	CH 18900	CH 19193
			1850.7 MHz	1880 MHz	1909.3 MHz
QPSK	1	0	23.10	22.69	23.21
	1	2	22.54	21.96	22.58
	1	5	22.82	22.17	22.73
	3	0	21.79	21.11	21.74
	3	1	21.47	21.03	21.54
	3	3	21.62	21.18	21.76
	6	0	21.58	21.04	21.71
16QAM	1	0	22.37	21.77	22.38
	1	2	21.74	21.16	21.83
	1	5	21.87	21.28	21.89
	3	0	20.95	20.42	21.00
	3	1	20.71	20.21	20.75
	3	3	20.84	20.36	20.92
	6	0	20.81	20.34	20.87

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.03	23.21	24.28	26.46	33.01
16QAM	20.21	22.38	23.46	25.63	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18615	CH 18900	CH 19185
			1851.5 MHz	1880 MHz	1908.5 MHz
QPSK	1	0	23.15	22.62	23.22
	1	7	22.50	21.93	22.64
	1	14	22.82	22.15	22.76
	8	0	21.70	21.11	21.74
	8	3	21.54	21.01	21.53
	8	7	21.61	21.21	21.71
	15	0	21.58	21.12	21.64
16QAM	1	0	22.41	21.81	22.40
	1	7	21.71	21.13	21.82
	1	14	21.82	21.28	21.96
	8	0	20.92	20.43	20.98
	8	3	20.69	20.28	20.79
	8	7	20.88	20.40	20.96
	15	0	20.80	20.30	20.90

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.01	23.22	24.26	26.47	33.01
16QAM	20.28	22.41	23.53	25.66	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18625	CH 18900	CH 19175
			1852.5 MHz	1880 MHz	1907.5 MHz
QPSK	1	0	23.27	22.80	23.32
	1	12	22.66	22.11	22.74
	1	24	22.94	22.27	22.89
	12	0	21.89	21.30	21.93
	12	6	21.66	21.17	21.72
	12	13	21.79	21.31	21.87
	25	0	21.76	21.23	21.83
16QAM	1	0	22.54	21.96	22.56
	1	12	21.89	21.30	21.94
	1	24	22.01	21.47	22.07
	12	0	21.09	20.55	21.17
	12	6	20.88	20.38	20.89
	12	13	21.01	20.55	21.08
	25	0	20.97	20.48	21.01

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.17	23.32	24.42	26.57	33.01
16QAM	20.38	22.56	23.63	25.81	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18650	CH 18900	CH 19150
			1855 MHz	1880 MHz	1905 MHz
QPSK	1	0	23.12	22.65	23.19
	1	24	22.47	21.95	22.52
	1	49	22.71	22.13	22.73
	25	0	21.75	21.21	21.82
	25	12	21.50	21.00	21.52
	25	25	21.63	21.12	21.68
	50	0	21.69	21.17	21.75
16QAM	1	0	22.35	21.85	22.46
	1	24	21.72	21.14	21.77
	1	49	21.82	21.38	21.93
	25	0	20.96	20.39	20.98
	25	12	20.70	20.16	20.76
	25	25	20.83	20.36	20.86

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.00	23.19	24.25	26.44	33.01
16QAM	20.16	22.46	23.41	25.71	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18675	CH 18900	CH 19125
			1857.5 MHz	1880 MHz	1902.5 MHz
QPSK	1	0	23.17	22.69	23.26
	1	37	22.56	22.05	22.67
	1	74	22.81	22.23	22.86
	36	0	21.80	21.25	21.90
	36	19	21.58	21.11	21.69
	36	39	21.78	21.26	21.74
	75	0	21.72	21.26	21.84
16QAM	1	0	22.45	21.95	22.57
	1	37	21.82	21.29	21.83
	1	74	21.99	21.47	21.98
	25	0	21.02	20.53	21.14

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.11	23.26	24.36	26.51	33.01
16QAM	20.53	22.57	23.78	25.82	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18700	CH 18900	CH 19100
			1860 MHz	1880 MHz	1900 MHz
QPSK	1	0	23.55	23.11	23.62
	1	50	22.94	22.37	23.01
	1	99	23.20	22.61	23.21
	50	0	22.19	21.62	22.23
	50	25	21.94	21.48	22.00
	50	50	22.09	21.59	22.12
	100	0	22.09	21.57	22.15
16QAM	1	0	22.79	22.28	22.87
	1	50	22.19	21.61	22.21
	1	99	22.31	21.78	22.33
	25	0	21.38	20.88	21.46

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.48	23.62	24.73	26.87	33.01
16QAM	20.88	22.87	24.13	26.12	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.2 LTE Band 4

LTE Band 4, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 19957	CH 20175	CH 20393
			1710.7 MHz	1732.5 MHz	1754.3 MHz
QPSK	1	0	22.85	23.13	22.66
	1	2	22.64	22.95	22.56
	1	5	22.53	22.78	22.32
	3	0	21.74	22.04	21.73
	3	1	21.60	21.86	21.48
	3	3	21.39	21.80	21.51
	6	0	21.56	21.91	21.48
16QAM	1	0	22.32	22.72	22.22
	1	2	22.12	22.43	21.99
	1	5	22.03	22.34	21.91
	3	0	21.24	21.62	21.22
	3	1	21.12	21.45	20.96
	3	3	20.94	21.30	20.87
	6	0	20.99	21.39	21.03

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.39	23.13	25.81	27.55	30
16QAM	20.87	22.72	25.29	27.14	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 4, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 19965	CH 20175	CH 20385
			1711.5 MHz	1732.5 MHz	1753.5 MHz
QPSK	1	0	22.87	23.17	22.67
	1	7	22.71	23.01	22.58
	1	14	22.59	22.78	22.39
	8	0	21.74	22.05	21.70
	8	3	21.54	21.93	21.50
	8	7	21.42	21.82	21.42
	15	0	21.54	21.97	21.48
16QAM	1	0	22.34	22.64	22.20
	1	7	22.19	22.52	22.00
	1	14	22.00	22.33	21.91
	8	0	21.29	21.59	21.19
	8	3	21.15	21.39	21.01
	8	7	20.95	21.26	20.86
	15	0	21.02	21.33	21.07

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.42	23.17	25.84	27.59	30
16QAM	20.86	22.64	25.28	27.06	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 4, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 19975	CH 20175	CH 20375
			1712.5 MHz	1732.5 MHz	1752.5 MHz
QPSK	1	0	23.08	23.34	22.90
	1	12	22.86	23.16	22.75
	1	24	22.75	22.99	22.54
	12	0	21.97	22.21	21.90
	12	6	21.77	22.09	21.66
	12	13	21.61	21.97	21.66
	25	0	21.76	22.12	21.64
16QAM	1	0	22.54	22.88	22.37
	1	12	22.34	22.67	22.22
	1	24	22.19	22.52	22.07
	12	0	21.46	21.79	21.43
	12	6	21.31	21.61	21.18
	12	13	21.15	21.47	21.08
	25	0	21.22	21.56	21.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.61	23.34	26.03	27.76	30
16QAM	21.08	22.88	25.5	27.30	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 4, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20000	CH 20175	CH 20350
			1715 MHz	1732.5 MHz	1750 MHz
QPSK	1	0	23.07	23.32	22.87
	1	24	22.85	23.18	22.72
	1	49	22.74	23.00	22.55
	25	0	22.01	22.29	21.87
	25	12	21.83	22.05	21.66
	25	25	21.69	21.99	21.65
	50	0	21.73	22.14	21.67
16QAM	1	0	22.23	22.52	22.04
	1	24	22.02	22.25	21.92
	1	49	21.86	22.11	21.70
	25	0	21.02	21.35	20.91
	25	12	21.00	21.22	20.77
	25	25	20.98	21.14	20.75

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.65	23.32	26.07	27.74	30
16QAM	20.75	22.52	25.17	26.94	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 4, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20025	CH 20175	CH 20325
			1717.5 MHz	1732.5 MHz	1747.5 MHz
QPSK	1	0	23.34	23.57	23.12
	1	37	23.04	23.40	22.98
	1	74	22.95	23.22	22.86
	36	0	22.22	22.50	22.17
	36	19	22.00	22.31	21.92
	36	39	21.93	22.23	21.83
	75	0	21.96	22.34	21.95
16QAM	1	0	22.42	22.69	22.30
	1	37	22.23	22.48	22.12
	1	74	22.09	22.33	21.95
	25	0	21.31	21.63	21.18

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.83	23.57	26.25	27.99	30
16QAM	21.18	22.69	25.60	27.11	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 4, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20050	CH 20175	CH 20300
			1720 MHz	1732.5 MHz	1745 MHz
QPSK	1	0	23.38	23.63	23.16
	1	50	23.13	23.45	23.01
	1	99	23.00	23.30	22.88
	50	0	22.29	22.54	22.19
	50	25	22.08	22.39	21.99
	50	50	21.94	22.27	21.92
	100	0	22.06	22.40	21.98
16QAM	1	0	22.51	22.77	22.38
	1	50	22.27	22.58	22.20
	1	99	22.13	22.40	21.97
	25	0	21.34	21.64	21.20

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.92	23.63	26.34	28.05	30
16QAM	21.20	22.77	25.62	27.19	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.3 LTE Band 5

LTE Band 5, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20407	CH 20525	CH 20643
			824.7 MHz	836.5 MHz	848.3 MHz
QPSK	1	0	22.28	22.10	22.92
	1	2	21.75	21.64	22.55
	1	5	21.52	21.33	22.17
	3	0	21.24	20.96	21.88
	3	1	20.74	20.59	21.50
	3	3	20.47	20.25	21.11
	6	0	20.76	20.54	21.45
16QAM	1	0	21.49	21.15	22.15
	1	2	21.06	20.90	21.78
	1	5	20.74	20.55	21.48
	3	0	20.26	20.00	20.91
	3	1	20.02	19.81	20.69
	3	3	19.70	19.49	20.32
	6	0	20.03	19.75	20.65

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	20.25	22.92	20.51	23.18	38.45
16QAM	19.49	22.15	19.75	22.41	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 5, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20415	CH 20525	CH 20635
			825.5 MHz	836.5 MHz	847.5 MHz
QPSK	1	0	22.32	22.08	22.93
	1	7	21.76	21.64	22.58
	1	14	21.52	21.34	22.20
	8	0	21.27	20.95	21.94
	8	3	20.75	20.61	21.41
	8	7	20.41	20.29	21.13
	15	0	20.84	20.53	21.45
16QAM	1	0	21.45	21.21	22.14
	1	7	21.11	20.84	21.80
	1	14	20.80	20.52	21.45
	8	0	20.25	20.00	20.88
	8	3	19.99	19.89	20.72
	8	7	19.68	19.53	20.30
	15	0	20.01	19.71	20.61

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	20.29	22.93	20.55	23.19	38.45
16QAM	19.53	22.14	19.79	22.4	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 5, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20425	CH 20525	CH 20625
			826.5 MHz	836.5 MHz	846.5 MHz
QPSK	1	0	22.54	22.35	23.19
	1	12	22.04	21.88	22.79
	1	24	21.73	21.54	22.46
	12	0	21.48	21.23	22.14
	12	6	21.00	20.87	21.70
	12	13	20.70	20.51	21.36
	25	0	21.05	20.80	21.72
16QAM	1	0	21.69	21.42	22.36
	1	12	21.32	21.12	22.05
	1	24	21.00	20.80	21.70
	12	0	20.49	20.22	21.14
	12	6	20.23	20.10	20.92
	12	13	19.92	19.74	20.54
	25	0	20.30	19.98	20.89

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	20.51	23.19	20.77	23.45	38.45
16QAM	19.74	22.36	20.00	22.62	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 5, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20450	CH 20525	CH 20600
			829 MHz	836.5 MHz	844 MHz
QPSK	1	0	23.24	23.07	23.90
	1	24	22.73	22.59	23.47
	1	49	22.46	22.23	23.12
	25	0	22.17	21.92	22.86
	25	12	21.73	21.55	22.41
	25	25	21.39	21.21	22.09
	50	0	21.79	21.54	22.44
16QAM	1	0	22.35	22.16	23.05
	1	24	22.06	21.86	22.77
	1	49	21.71	21.51	22.38
	25	0	21.15	20.88	21.82
	25	12	20.98	20.73	21.39
	25	25	20.56	20.40	21.12

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.21	23.9	21.47	24.16	38.45
16QAM	20.40	23.05	20.66	23.31	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

7.1.4 LTE Band 7

LTE Band 7, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20775	CH 21100	CH 21425
			2502.5 MHz	2535 MHz	2567.5 MHz
QPSK	1	0	22.00	21.46	22.45
	1	12	21.31	20.85	21.77
	1	24	21.08	20.46	21.54
	12	0	20.83	20.23	21.31
	12	6	20.50	19.95	20.93
	12	13	20.23	19.62	20.67
	25	0	20.52	19.92	20.93
16QAM	1	0	21.21	20.68	21.71
	1	12	20.58	20.13	21.04
	1	24	20.45	19.69	20.84
	12	0	20.12	19.47	20.51
	12	6	19.74	19.23	20.21
	12	13	19.46	18.85	19.99
	25	0	19.83	19.26	20.22

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.62	22.45	23.48	26.31	33.01
16QAM	18.85	21.71	22.71	25.57	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 7, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20800	CH 21100	CH 21400
			2505 MHz	2535 MHz	2565 MHz
QPSK	1	0	22.39	21.81	22.85
	1	24	21.71	21.26	22.17
	1	49	21.51	20.83	21.93
	25	0	21.24	20.61	21.71
	25	12	20.86	20.33	21.36
	25	25	20.64	20.00	21.09
	50	0	20.96	20.34	21.34
16QAM	1	0	21.60	21.09	22.12
	1	24	20.99	20.48	21.41
	1	49	20.80	20.05	21.20
	25	0	20.52	19.84	20.93
	25	12	20.09	19.61	20.60
	25	25	19.88	19.29	20.37

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.00	22.85	23.86	26.71	33.01
16QAM	19.29	22.12	23.15	25.98	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 7, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20825	CH 21100	CH 21375
			2507.5 MHz	2535 MHz	2562.5 MHz
QPSK	1	0	22.62	22.09	23.18
	1	37	22.01	21.48	22.52
	1	74	21.73	21.19	22.24
	36	0	21.55	20.92	21.97
	36	19	21.21	20.60	21.66
	36	39	20.96	20.30	21.38
	75	0	21.24	20.62	21.71
16QAM	1	0	21.93	21.27	22.30
	1	37	21.36	20.75	21.83
	1	74	21.19	20.59	21.67
	25	0	20.23	19.67	20.65

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.30	23.18	24.16	27.04	33.01
16QAM	19.67	22.30	23.53	26.16	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 7, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20850	CH 21100	CH 21350
			2510 MHz	2535 MHz	2560 MHz
QPSK	1	0	22.70	22.15	23.19
	1	50	22.09	21.56	22.56
	1	99	21.81	21.22	22.25
	50	0	21.60	20.94	22.02
	50	25	21.22	20.65	21.67
	50	50	20.99	20.36	21.41
	100	0	21.31	20.65	21.72
16QAM	1	0	21.94	21.33	22.36
	1	50	21.46	20.84	21.87
	1	99	21.25	20.67	21.70
	25	0	20.96	20.36	21.39

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.36	23.19	24.22	27.05	33.01
16QAM	20.36	22.36	24.22	26.22	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.5 LTE Band 12

LTE Band 12, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23017	CH 23095	CH 23173
			699.7 MHz	707.5 MHz	715.3 MHz
QPSK	1	0	23.01	23.75	23.50
	1	2	22.98	23.73	23.45
	1	5	22.64	23.43	23.02
	3	0	22.45	23.14	22.74
	3	1	22.14	22.87	22.67
	3	3	21.84	22.72	22.43
	6	0	22.12	22.87	22.47
16QAM	1	0	22.51	23.32	23.06
	1	2	22.42	23.27	22.91
	1	5	22.10	22.90	22.55
	3	0	21.97	22.65	22.26
	3	1	21.66	22.48	22.20
	3	3	21.39	22.13	21.95
	6	0	21.65	22.36	21.93

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.84	23.75	20.21	22.12	34.77
16QAM	21.39	23.32	19.76	21.69	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 12, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23025	CH 23095	CH 23165
			700.5 MHz	707.5 MHz	714.5 MHz
QPSK	1	0	23.04	23.80	23.50
	1	7	22.92	23.70	23.41
	1	14	22.61	23.42	22.98
	8	0	22.43	23.10	22.80
	8	3	22.18	22.91	22.68
	8	7	21.87	22.63	22.39
	15	0	22.14	22.90	22.52
16QAM	1	0	22.50	23.31	23.09
	1	7	22.47	23.23	22.90
	1	14	22.15	22.97	22.50
	8	0	21.98	22.73	22.26
	8	3	21.65	22.41	22.20
	8	7	21.39	22.14	21.95
	15	0	21.63	22.42	21.93

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.87	23.80	20.24	22.17	34.77
16QAM	21.39	23.31	19.76	21.68	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 12, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23035	CH 23095	CH 23155
			701.5 MHz	707.5 MHz	713.5 MHz
QPSK	1	0	23.18	23.94	23.65
	1	12	23.11	23.86	23.55
	1	24	22.75	23.54	23.16
	12	0	22.55	23.29	22.92
	12	6	22.29	23.05	22.78
	12	13	22.01	22.82	22.55
	25	0	22.27	23.00	22.64
16QAM	1	0	22.65	23.46	23.20
	1	12	22.58	23.37	23.01
	1	24	22.28	23.07	22.69
	12	0	22.09	22.84	22.38
	12	6	21.77	22.59	22.32
	12	13	21.55	22.30	22.06
	25	0	21.78	22.55	22.11

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.01	23.94	20.38	22.31	34.77
16QAM	21.55	23.46	19.92	21.83	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 12, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23060	CH 23095	CH 23130
			704 MHz	707.5 MHz	711 MHz
QPSK	1	0	23.22	23.95	23.67
	1	24	23.18	23.94	23.62
	1	49	22.78	23.56	23.21
	25	0	22.58	23.30	22.93
	25	12	22.35	23.13	22.82
	25	25	22.11	22.89	22.58
	50	0	22.33	23.09	22.73
16QAM	1	0	22.69	23.47	23.11
	1	24	22.73	23.51	23.14
	1	49	22.14	22.87	22.55
	25	0	21.51	22.25	21.95
	25	12	21.39	22.17	21.84
	25	25	21.24	21.98	21.65

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.11	23.95	20.48	22.32	34.77
16QAM	21.24	23.51	19.61	21.88	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

7.1.6 LTE Band 13

LTE Band 13, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23205	CH 23230	CH 23255
			779.5 MHz	782 MHz	784.5 MHz
QPSK	1	0	23.96	23.98	23.70
	1	12	23.34	23.38	23.19
	1	24	23.04	22.97	22.85
	12	0	22.91	22.90	22.74
	12	6	22.55	22.57	22.41
	12	13	22.16	22.15	22.02
	25	0	22.58	22.55	22.43
16QAM	1	0	23.23	23.27	23.01
	1	12	22.61	22.73	22.51
	1	24	22.32	22.26	22.17
	12	0	22.17	22.25	22.09
	12	6	21.87	21.90	21.76
	12	13	21.44	21.48	21.36
	25	0	21.90	21.89	21.73

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.02	23.98	20.39	22.35	44.77
16QAM	21.36	23.27	19.73	21.64	44.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 13, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23230
			782 MHz
QPSK	1	0	24.05
	1	24	23.52
	1	49	23.14
	25	0	23.07
	25	12	22.70
	25	25	22.28
	50	0	22.70
16QAM	1	0	23.29
	1	24	23.07
	1	49	22.51
	25	0	22.29
	25	12	21.87
	25	25	21.43

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.28	24.05	20.65	22.42	44.77
16QAM	21.43	23.29	19.8	21.66	44.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

7.1.7 LTE Band 25

LTE Band 25, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26047	CH 26365	CH 26683
			1850.7 MHz	1882.5 MHz	1914.3 MHz
QPSK	1	0	23.70	22.69	23.20
	1	2	23.49	22.53	23.10
	1	5	22.87	21.88	22.35
	3	0	22.75	21.74	22.34
	3	1	22.64	21.66	22.26
	3	3	22.43	21.30	21.83
	6	0	22.50	21.47	22.05
16QAM	1	0	22.98	22.11	22.49
	1	2	22.83	21.83	22.37
	1	5	22.21	21.14	21.68
	3	0	22.15	20.97	21.66
	3	1	21.97	20.93	21.61
	3	3	21.70	20.57	21.15
	6	0	21.73	20.83	21.44

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.30	23.70	24.55	26.95	33.01
16QAM	20.57	22.98	23.82	26.23	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 25, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26055	CH 26365	CH 26675
			1851.5 MHz	1882.5 MHz	1913.5 MHz
QPSK	1	0	23.71	22.75	23.19
	1	7	23.52	22.56	23.10
	1	14	22.89	21.85	22.35
	8	0	22.77	21.74	22.36
	8	3	22.70	21.72	22.25
	8	7	22.35	21.34	21.91
	15	0	22.47	21.52	22.11
16QAM	1	0	22.96	22.04	22.52
	1	7	22.84	21.86	22.41
	1	14	22.16	21.18	21.63
	8	0	22.17	21.03	21.73
	8	3	21.92	20.99	21.62
	8	7	21.67	20.59	21.15
	15	0	21.73	20.81	21.35

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.34	23.71	24.59	26.96	33.01
16QAM	20.59	22.96	23.84	26.21	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 25, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26065	CH 26365	CH 26665
			1852.5 MHz	1882.5 MHz	1912.5 MHz
QPSK	1	0	23.85	22.86	23.34
	1	12	23.68	22.68	23.28
	1	24	22.99	22.03	22.49
	12	0	22.94	21.90	22.50
	12	6	22.83	21.82	22.44
	12	13	22.53	21.46	22.02
	25	0	22.61	21.64	22.21
16QAM	1	0	23.13	22.21	22.65
	1	12	22.99	21.96	22.54
	1	24	22.34	21.32	21.81
	12	0	22.29	21.16	21.83
	12	6	22.10	21.10	21.77
	12	13	21.86	20.72	21.31
	25	0	21.92	20.98	21.54

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.46	23.85	24.71	27.1	33.01
16QAM	20.72	23.13	23.97	26.38	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 25, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26090	CH 26365	CH 26640
			1855 MHz	1882.5 MHz	1910 MHz
QPSK	1	0	23.89	22.83	23.42
	1	24	23.65	22.65	23.28
	1	49	22.93	22.02	22.43
	25	0	22.87	21.88	22.51
	25	12	22.87	21.79	22.39
	25	25	22.49	21.54	22.06
	50	0	22.61	21.63	22.22
16QAM	1	0	23.21	22.15	22.72
	1	24	22.95	22.00	22.58
	1	49	22.23	21.34	21.69
	25	0	22.18	21.17	21.86
	25	12	22.15	21.09	21.67
	25	25	21.81	20.82	21.32

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.54	23.89	24.79	27.14	33.01
16QAM	20.82	23.21	24.07	26.46	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 25, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26115	CH 26365	CH 26615
			1857.5 MHz	1882.5 MHz	1907.5 MHz
QPSK	1	0	23.84	22.78	23.43
	1	37	23.69	22.64	23.28
	1	74	22.95	22.01	22.49
	36	0	22.89	21.88	22.49
	36	19	22.87	21.79	22.45
	36	39	22.52	21.53	22.05
	75	0	22.69	21.69	22.18
16QAM	1	0	23.15	22.15	22.73
	1	37	23.01	22.13	22.65
	1	74	22.45	21.45	22.03
	25	0	21.96	20.96	21.60

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.53	23.84	24.78	27.09	33.01
16QAM	20.96	23.15	24.21	26.4	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 25, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26140	CH 26365	CH 26590
			1860 MHz	1882.5 MHz	1905 MHz
QPSK	1	0	24.05	23.01	23.58
	1	50	23.87	22.87	23.43
	1	99	23.15	22.18	22.66
	50	0	23.09	22.10	22.67
	50	25	23.03	22.01	22.61
	50	50	22.69	21.69	22.24
	100	0	22.85	21.86	22.38
16QAM	1	0	23.38	22.34	22.90
	1	50	23.24	22.29	22.82
	1	99	22.69	21.68	22.23
	25	0	22.17	21.14	21.77

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.69	24.05	24.94	27.3	33.01
16QAM	21.14	23.38	24.39	26.63	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.8 LTE Band 26 (814 MHz ~ 824 MHz)

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26697	CH 26740	CH 26783
			814.7 MHz	819 MHz	823.3 MHz
QPSK	1	0	23.47	23.51	23.41
	1	2	23.65	23.76	23.61
	1	5	23.60	23.66	23.44
	3	0	22.77	22.78	22.64
	3	1	22.74	22.78	22.58
	3	3	22.70	22.85	22.66
	6	0	22.65	22.80	22.65
16QAM	1	0	22.55	22.68	22.55
	1	2	22.83	22.99	22.83
	1	5	22.76	22.79	22.66
	3	0	21.93	21.99	21.77
	3	1	21.99	21.96	21.85
	3	3	21.98	22.07	21.86
	6	0	21.79	21.96	21.88

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.58	23.76	22.84	24.02	50
16QAM	21.77	22.99	22.03	23.25	50

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26705	CH 26740	CH 26775
			815.5 MHz	819 MHz	822.5 MHz
QPSK	1	0	23.44	23.54	23.32
	1	7	23.63	23.72	23.53
	1	14	23.59	23.62	23.50
	8	0	22.72	22.82	22.59
	8	3	22.70	22.72	22.62
	8	7	22.65	22.79	22.71
	15	0	22.58	22.79	22.58
16QAM	1	0	22.56	22.68	22.59
	1	7	22.83	22.97	22.77
	1	14	22.76	22.79	22.63
	8	0	21.87	21.94	21.80
	8	3	21.96	21.94	21.82
	8	7	21.92	22.01	21.86
	15	0	21.76	21.92	21.81

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.58	23.72	22.84	23.98	50
16QAM	21.76	22.97	22.02	23.23	50

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26715	CH 26740	CH 26765
			816.5 MHz	819 MHz	821.5 MHz
QPSK	1	0	23.48	23.57	23.42
	1	12	23.66	23.79	23.63
	1	24	23.62	23.69	23.51
	12	0	22.79	22.84	22.69
	12	6	22.76	22.80	22.68
	12	13	22.74	22.87	22.73
	25	0	22.68	22.81	22.66
16QAM	1	0	22.65	22.76	22.65
	1	12	22.89	23.02	22.87
	1	24	22.78	22.85	22.68
	12	0	21.96	22.00	21.85
	12	6	22.00	22.04	21.92
	12	13	21.99	22.09	21.90
	25	0	21.86	21.99	21.91

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.66	23.79	22.92	24.05	50
16QAM	21.85	23.02	22.11	23.28	50

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 26740
			819 MHz
QPSK	1	0	23.61
	1	24	23.83
	1	49	23.75
	25	0	22.91
	25	12	22.89
	25	25	22.88
	50	0	22.84
16QAM	1	0	22.82
	1	24	23.05
	1	49	22.78
	25	0	21.91
	25	12	22.00
	25	25	21.92

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.84	23.83	23.1	24.09	50
16QAM	21.91	23.05	22.17	23.31	50

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

7.1.9 LTE Band 26 (824 MHz ~ 849 MHz)

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26797	CH 26915	CH 27033
			824.7 MHz	836.5 MHz	848.3 MHz
QPSK	1	0	23.80	23.41	23.50
	1	2	23.40	22.97	23.06
	1	5	23.78	23.31	23.45
	3	0	22.77	22.21	22.37
	3	1	22.59	22.11	22.20
	3	3	22.59	22.20	22.24
	6	0	22.51	22.12	22.19
16QAM	1	0	22.95	22.69	22.78
	1	2	22.58	22.26	22.35
	1	5	23.01	22.57	22.64
	3	0	21.87	21.43	21.53
	3	1	21.77	21.30	21.47
	3	3	21.73	21.35	21.50
	6	0	21.82	21.39	21.48

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.11	23.80	22.37	24.06	38.45
16QAM	21.3	23.01	21.56	23.27	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26805	CH 26915	CH 27025
			825.5 MHz	836.5 MHz	847.5 MHz
QPSK	1	0	23.68	23.33	23.47
	1	7	23.27	22.94	23.02
	1	14	23.74	23.23	23.34
	8	0	22.60	22.12	22.29
	8	3	22.51	22.03	22.08
	8	7	22.43	22.10	22.18
	15	0	22.46	22.01	22.18
16QAM	1	0	22.94	22.55	22.67
	1	7	22.57	22.16	22.19
	1	14	22.87	22.49	22.60
	8	0	21.81	21.29	21.46
	8	3	21.68	21.21	21.40
	8	7	21.67	21.34	21.42
	15	0	21.73	21.24	21.31

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.01	23.74	22.27	24.00	38.45
16QAM	21.21	22.94	21.47	23.20	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26815	CH 26915	CH 27015
			826.5 MHz	836.5 MHz	846.5 MHz
QPSK	1	0	23.85	23.50	23.60
	1	12	23.46	23.06	23.15
	1	24	23.85	23.36	23.50
	12	0	22.78	22.29	22.40
	12	6	22.67	22.17	22.27
	12	13	22.61	22.22	22.31
	25	0	22.60	22.19	22.28
16QAM	1	0	23.05	22.70	22.81
	1	12	22.68	22.27	22.36
	1	24	23.05	22.60	22.72
	12	0	21.97	21.47	21.62
	12	6	21.85	21.38	21.51
	12	13	21.82	21.45	21.54
	25	0	21.83	21.43	21.49

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.17	23.85	22.43	24.11	38.45
16QAM	21.38	23.05	21.64	23.31	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26840	CH 26915	CH 26990
			829 MHz	836.5 MHz	844 MHz
QPSK	1	0	23.83	23.46	23.63
	1	24	23.40	23.01	23.18
	1	49	23.78	23.36	23.45
	25	0	22.75	22.31	22.43
	25	12	22.68	22.18	22.32
	25	25	22.66	22.23	22.35
	50	0	22.59	22.22	22.34
16QAM	1	0	23.06	22.64	22.80
	1	24	22.59	22.23	22.39
	1	49	22.98	22.58	22.66
	25	0	21.93	21.51	21.68
	25	12	21.88	21.34	21.49
	25	25	21.84	21.45	21.56

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.18	23.83	22.44	24.09	38.45
16QAM	21.34	23.06	21.60	23.32	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26865	CH 26915	CH 26965
			831.5 MHz	836.5 MHz	841.5 MHz
QPSK	1	0	23.91	23.54	23.64
	1	37	23.48	23.07	23.23
	1	74	23.87	23.46	23.54
	36	0	22.82	22.34	22.50
	36	19	22.71	22.26	22.37
	36	39	22.69	22.27	22.41
	75	0	22.69	22.26	22.38
16QAM	1	0	23.09	22.64	22.84
	1	37	23.00	22.58	22.69
	1	74	23.31	22.83	22.97
	25	0	22.18	21.69	21.86

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.26	23.91	22.52	24.17	38.45
16QAM	21.69	23.31	21.95	23.57	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

7.1.10LTE Band 38

LTE Band 38, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37775	CH 38000	CH 38225
			2572.5 MHz	2595 MHz	2617.5 MHz
QPSK	1	0	23.04	22.42	22.41
	1	12	22.48	21.91	21.71
	1	24	22.09	21.38	21.32
	12	0	21.67	21.01	20.93
	12	6	21.61	20.96	20.82
	12	13	21.34	20.77	20.64
	25	0	21.52	20.99	20.81
16QAM	1	0	21.95	21.47	21.44
	1	12	21.58	20.83	20.73
	1	24	21.07	20.40	20.30
	12	0	20.64	20.07	19.95
	12	6	20.53	19.90	19.80
	12	13	20.37	19.74	19.66
	25	0	20.52	19.95	19.85

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.64	23.04	24.50	26.90	33.01
16QAM	19.66	21.95	23.52	25.81	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 38, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37800	CH 38000	CH 38200
			2575 MHz	2595 MHz	2615 MHz
QPSK	1	0	23.12	22.54	22.47
	1	24	22.58	22.00	21.85
	1	49	22.16	21.52	21.46
	25	0	21.76	21.13	21.05
	25	12	21.66	21.01	20.92
	25	25	21.44	20.86	20.75
	50	0	21.64	21.05	20.94
16QAM	1	0	22.09	21.54	21.50
	1	24	21.63	20.96	20.81
	1	49	21.19	20.52	20.44
	25	0	20.72	20.15	20.01
	25	12	20.62	19.99	19.90
	25	25	20.47	19.84	19.74

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.75	23.12	24.61	26.98	33.01
16QAM	19.74	22.09	23.60	25.95	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 38, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37825	CH 38000	CH 38175
			2577.5 MHz	2595 MHz	2612.5 MHz
QPSK	1	0	23.27	22.58	22.57
	1	37	22.67	22.07	21.97
	1	74	22.29	21.66	21.55
	36	0	21.79	21.24	21.14
	36	19	21.72	21.11	21.04
	36	39	21.57	21.02	20.85
	75	0	21.72	21.13	21.04
16QAM	1	0	22.13	21.60	21.48
	1	37	22.03	21.44	21.35
	1	74	21.67	21.02	20.95
	25	0	21.49	20.95	20.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.85	23.27	24.71	27.13	33.01
16QAM	20.83	22.13	24.69	25.99	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 38, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37850	CH 38000	CH 38150
			2580 MHz	2595 MHz	2610 MHz
QPSK	1	0	23.29	22.67	22.58
	1	50	22.76	22.15	22.02
	1	99	22.32	21.71	21.61
	50	0	21.89	21.30	21.18
	50	25	21.77	21.19	21.08
	50	50	21.60	21.03	20.87
	100	0	21.78	21.20	21.08
16QAM	1	0	22.21	21.61	21.50
	1	50	22.13	21.54	21.45
	1	99	21.68	21.08	21.02
	25	0	21.56	20.99	20.87

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.87	23.29	24.73	27.15	33.01
16QAM	20.87	22.21	24.73	26.07	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.11LTE Band 41

LTE Band 41, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39675	CH 40620	CH 41565
			2498.5 MHz	2593 MHz	2687.5 MHz
QPSK	1	0	22.72	22.81	23.07
	1	12	22.55	22.64	22.99
	1	24	22.13	22.22	22.45
	12	0	21.66	21.69	21.94
	12	6	21.48	21.53	21.76
	12	13	21.43	21.31	21.68
	25	0	21.42	21.47	21.83
16QAM	1	0	21.87	21.97	22.26
	1	12	21.80	21.93	22.20
	1	24	21.27	21.44	21.71
	12	0	20.85	20.92	21.11
	12	6	20.68	20.76	21.01
	12	13	20.52	20.51	20.93
	25	0	20.66	20.71	21.04

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.31	23.07	25.17	26.93	33.01
16QAM	20.51	22.26	24.37	26.12	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 41, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39700	CH 40620	CH 41540
			2501 MHz	2593 MHz	2685 MHz
QPSK	1	0	22.82	22.86	23.16
	1	24	22.69	22.76	23.04
	1	49	22.20	22.35	22.58
	25	0	21.72	21.79	22.00
	25	12	21.55	21.59	21.86
	25	25	21.50	21.43	21.77
	50	0	21.49	21.60	21.90
16QAM	1	0	22.00	22.04	22.33
	1	24	21.89	21.98	22.26
	1	49	21.37	21.53	21.82
	25	0	20.94	20.98	21.16
	25	12	20.74	20.84	21.08
	25	25	20.66	20.64	21.02

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.43	23.16	25.29	27.02	33.01
16QAM	20.64	22.33	24.50	26.19	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 41, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39725	CH 40620	CH 41515
			2503.5 MHz	2593 MHz	2682.5 MHz
QPSK	1	0	22.84	22.98	23.18
	1	37	22.77	22.81	23.10
	1	74	22.33	22.46	22.67
	36	0	21.79	21.87	22.10
	36	19	21.64	21.74	21.99
	36	39	21.54	21.56	21.83
	75	0	21.59	21.72	21.95
16QAM	1	0	22.07	22.14	22.38
	1	37	21.89	22.04	22.31
	1	74	21.57	21.67	21.89
	25	0	20.84	21.07	21.21

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.54	23.18	25.40	27.04	33.01
16QAM	20.84	22.38	24.70	26.24	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 41, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39750	CH 40620	CH 41490
			2506 MHz	2593 MHz	2680 MHz
QPSK	1	0	23.02	23.10	23.36
	1	50	22.93	22.97	23.25
	1	99	22.48	22.60	22.84
	50	0	21.92	22.04	22.25
	50	25	21.78	21.86	22.14
	50	50	21.70	21.71	22.00
	100	0	21.76	21.84	22.12
16QAM	1	0	22.19	22.33	22.54
	1	50	22.08	22.16	22.44
	1	99	21.68	21.79	22.04
	25	0	21.03	21.17	21.37

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.70	23.36	25.56	27.22	33.01
16QAM	21.03	22.54	24.89	26.40	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.12LTE Band 66

LTE Band 66, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131979	CH 132322	CH 132665
			1710.7 MHz	1745 MHz	1779.3 MHz
QPSK	1	0	22.91	22.93	23.88
	1	2	22.41	22.59	23.40
	1	5	22.47	22.54	23.35
	3	0	21.66	21.85	22.58
	3	1	21.55	21.65	22.36
	3	3	21.38	21.52	22.32
	6	0	21.52	21.66	22.53
16QAM	1	0	22.15	22.16	23.05
	1	2	21.70	21.77	22.61
	1	5	21.73	21.78	22.62
	3	0	20.95	21.04	21.83
	3	1	20.83	20.96	21.60
	3	3	20.64	20.73	21.49
	6	0	20.76	20.83	21.68

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.38	23.88	25.80	28.30	30
16QAM	20.64	23.05	25.06	27.47	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131987	CH 132322	CH 132657
			1711.5 MHz	1745 MHz	1778.5 MHz
QPSK	1	0	22.78	22.77	23.72
	1	7	22.26	22.42	23.22
	1	14	22.37	22.41	23.23
	8	0	21.55	21.69	22.43
	8	3	21.40	21.54	22.26
	8	7	21.26	21.41	22.20
	15	0	21.41	21.54	22.32
16QAM	1	0	21.99	21.99	22.93
	1	7	21.54	21.64	22.40
	1	14	21.53	21.60	22.42
	8	0	20.77	20.85	21.66
	8	3	20.63	20.76	21.44
	8	7	20.45	20.63	21.42
	15	0	20.61	20.66	21.47

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.26	23.72	25.68	28.14	30
16QAM	20.45	22.93	24.87	27.35	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131997	CH 132322	CH 132647
			1712.5 MHz	1745 MHz	1777.5 MHz
QPSK	1	0	22.85	22.87	23.75
	1	12	22.29	22.48	23.33
	1	24	22.38	22.42	23.26
	12	0	21.55	21.73	22.49
	12	6	21.51	21.60	22.34
	12	13	21.36	21.43	22.22
	25	0	21.48	21.59	22.38
16QAM	1	0	22.01	22.02	22.93
	1	12	21.59	21.64	22.52
	1	24	21.61	21.71	22.46
	12	0	20.84	20.97	21.73
	12	6	20.69	20.83	21.47
	12	13	20.54	20.67	21.48
	25	0	20.63	20.73	21.56

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.36	23.75	25.78	28.17	30
16QAM	20.54	22.93	24.96	27.35	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132022	CH 132322	CH 132622
			1715 MHz	1745 MHz	1775 MHz
QPSK	1	0	22.81	22.87	23.80
	1	24	22.32	22.43	23.29
	1	49	22.45	22.43	23.33
	25	0	21.63	21.70	22.50
	25	12	21.48	21.59	22.32
	25	25	21.31	21.43	22.22
	50	0	21.44	21.62	22.35
16QAM	1	0	21.99	22.07	22.96
	1	24	21.55	21.65	22.50
	1	49	21.64	21.72	22.53
	25	0	20.81	20.96	21.67
	25	12	20.73	20.80	21.53
	25	25	20.51	20.64	21.43

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.31	23.80	25.73	28.22	30
16QAM	20.51	22.96	24.93	27.38	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132047	CH 132322	CH 132597
			1717.5 MHz	1745 MHz	1772.5 MHz
QPSK	1	0	23.10	23.10	24.03
	1	37	22.58	22.70	23.53
	1	74	22.66	22.71	23.53
	36	0	21.84	21.96	22.74
	36	19	21.74	21.82	22.55
	36	39	21.57	21.67	22.48
	75	0	21.68	21.82	22.64
16QAM	1	0	22.28	22.30	23.22
	1	37	21.83	21.90	22.72
	1	74	21.86	21.94	22.75
	25	0	21.08	21.19	21.95

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.57	24.03	25.99	28.45	30
16QAM	21.08	23.22	25.50	27.64	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132072	CH 132322	CH 132572
			1720 MHz	1745 MHz	1770 MHz
QPSK	1	0	23.27	23.33	24.20
	1	50	22.79	22.88	23.77
	1	99	22.83	22.86	23.75
	50	0	22.00	22.13	22.98
	50	25	21.89	21.99	22.79
	50	50	21.75	21.89	22.71
	100	0	21.90	22.00	22.84
16QAM	1	0	22.44	22.54	23.42
	1	50	22.41	22.48	23.32
	1	99	22.06	22.14	22.97
	25	0	21.36	21.45	22.28

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.75	24.20	26.17	28.62	30
16QAM	21.36	23.42	25.78	27.84	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.2 Modulation Characteristics

Input Power:	7.20 Vdc	Environmental Conditions:	25°C, 65% RH	Tested By:	Charles Hsiao
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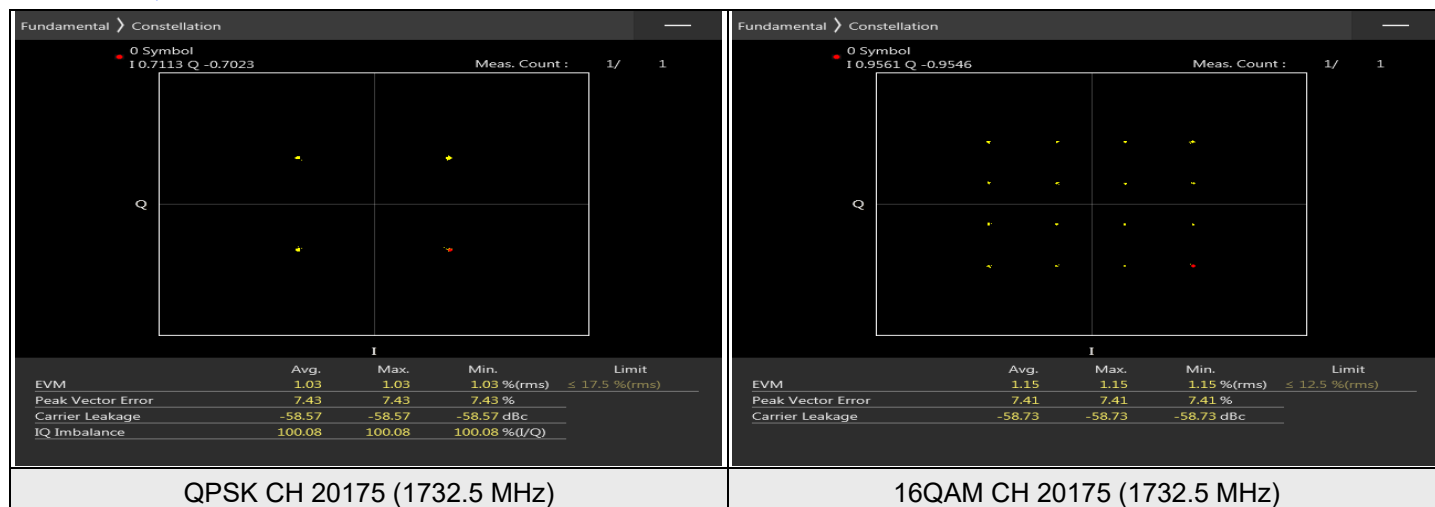
7.2.1 LTE Band 2

LTE Band 2, Channel Bandwidth: 20 MHz



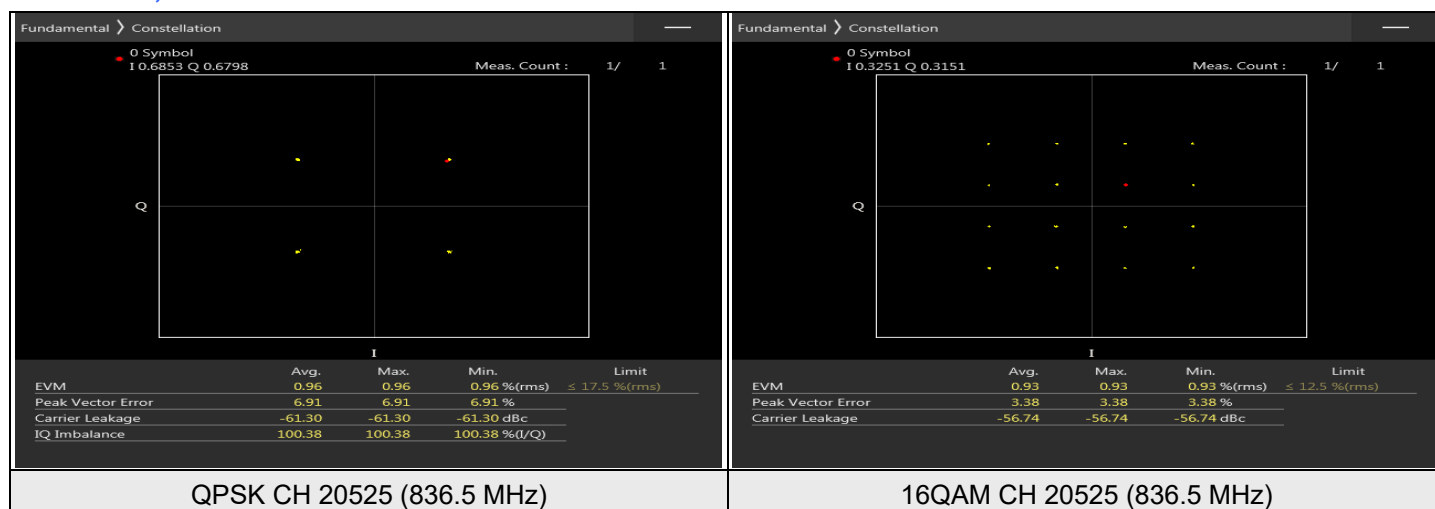
7.2.2 LTE Band 4

LTE Band 4, Channel Bandwidth: 20 MHz



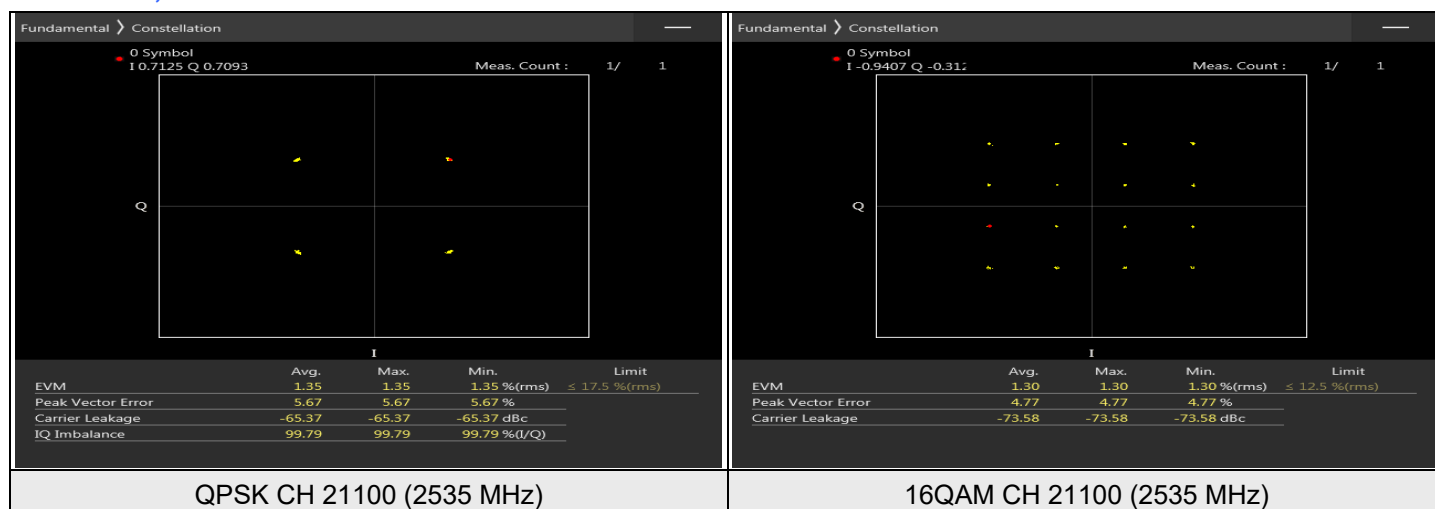
7.2.3 LTE Band 5

LTE Band 5, Channel Bandwidth: 10 MHz



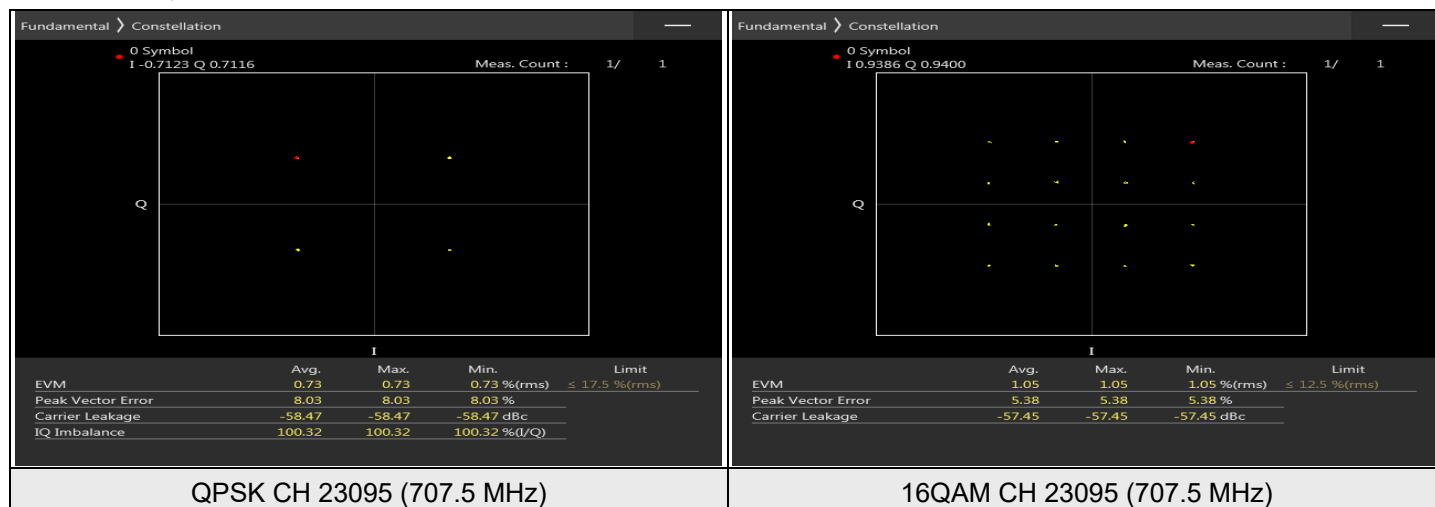
7.2.4 LTE Band 7

LTE Band 7, Channel Bandwidth: 20 MHz



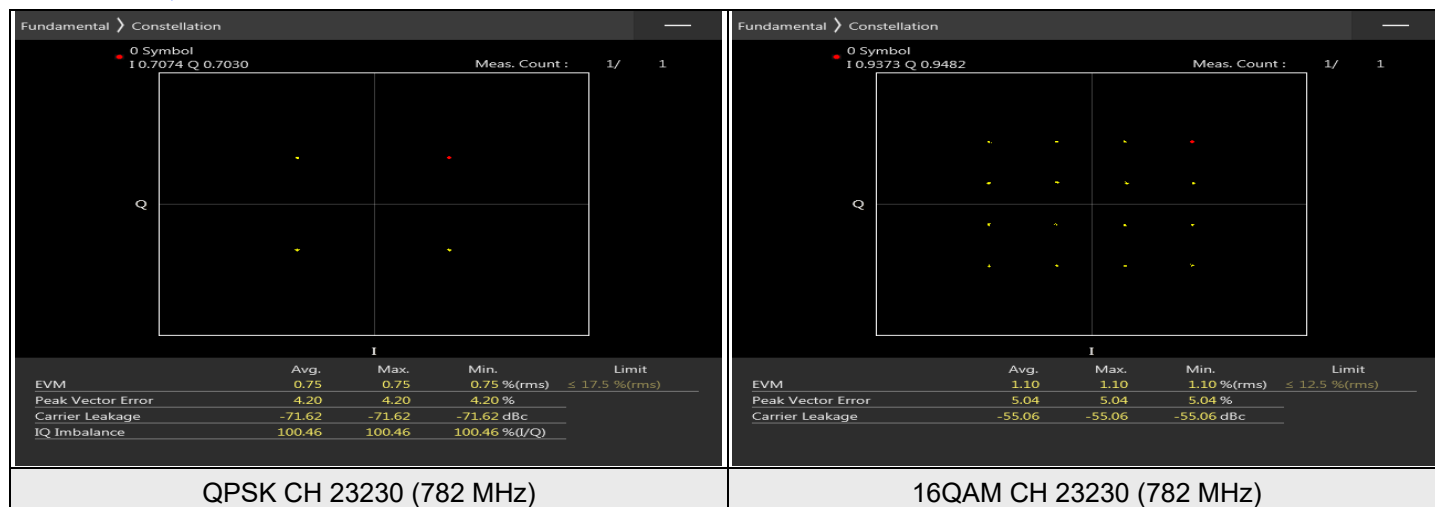
7.2.5 LTE Band 12

LTE Band 12, Channel Bandwidth: 10 MHz



7.2.6 LTE Band 13

LTE Band 13, Channel Bandwidth: 10 MHz



7.2.7 LTE Band 25

LTE Band 25, Channel Bandwidth: 20 MHz



7.2.8 LTE Band 26 (814 MHz ~ 824 MHz)

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 10 MHz



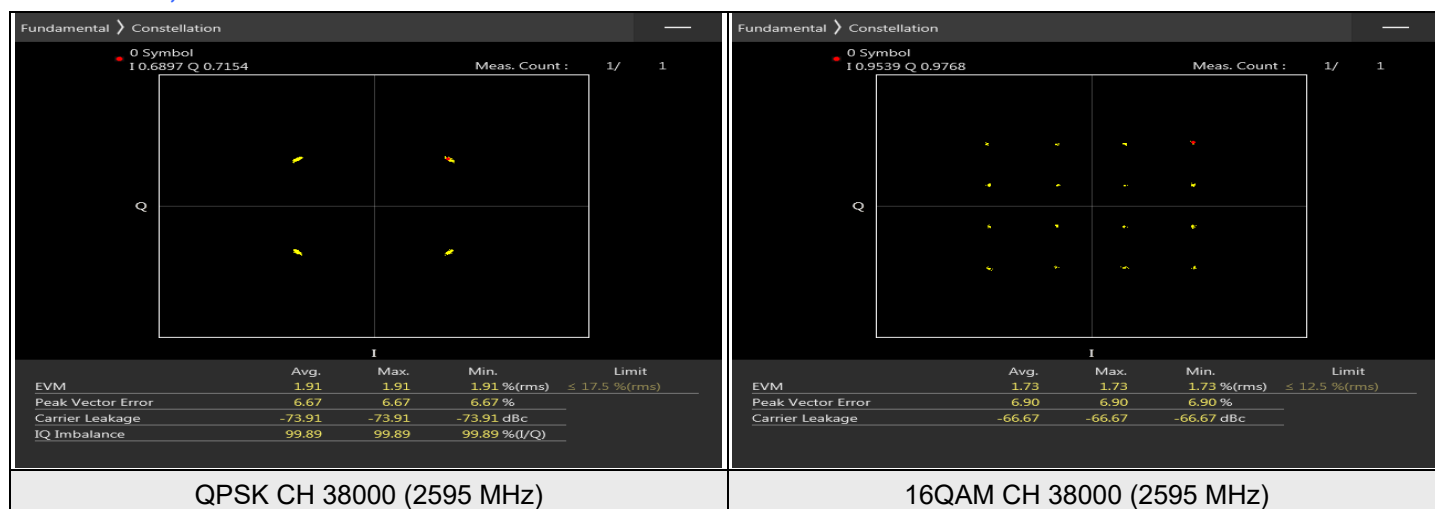
7.2.9 LTE Band 26 (824 MHz ~ 849 MHz)

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 15 MHz



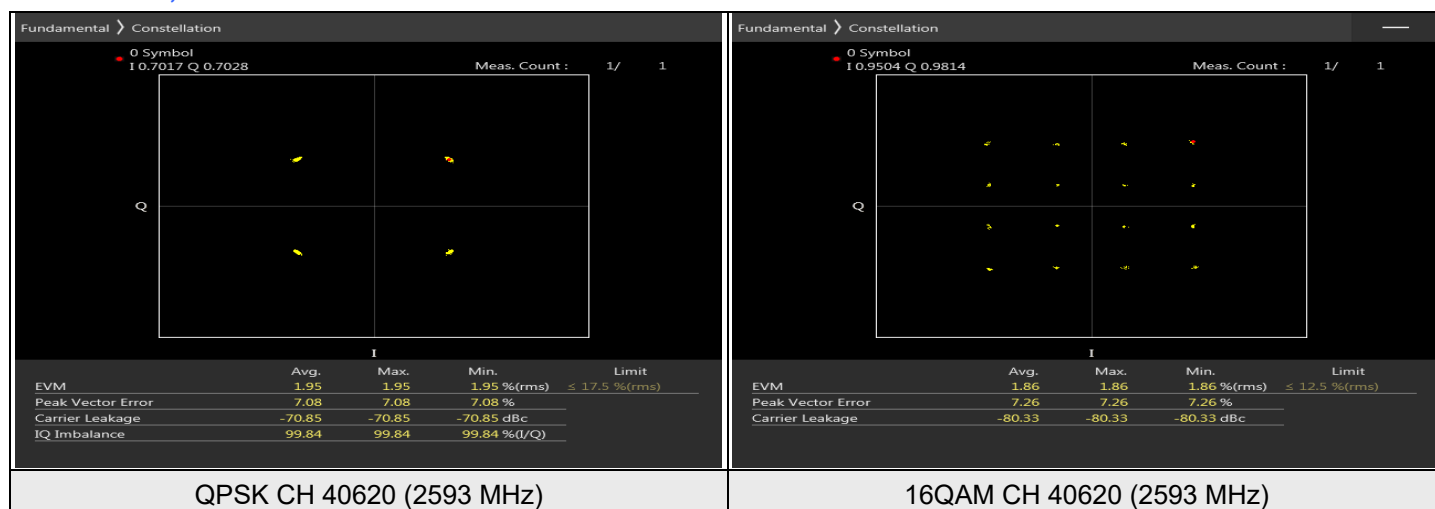
7.2.10LTE Band 38

LTE Band 38, Channel Bandwidth: 20 MHz



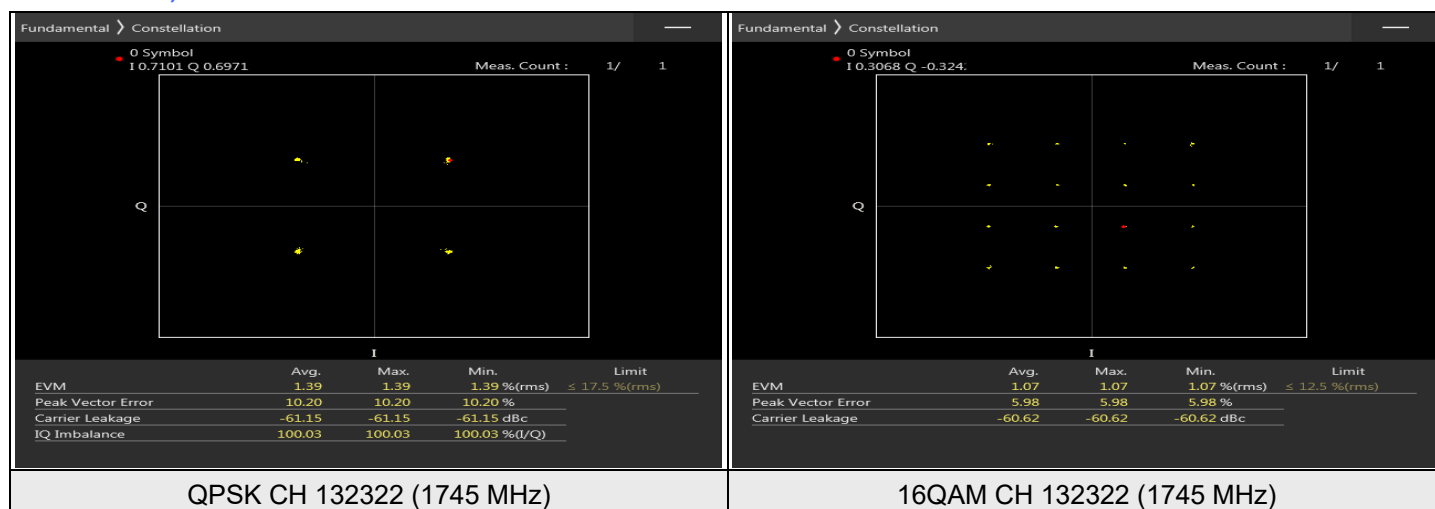
7.2.11 LTE Band 41

LTE Band 41, Channel Bandwidth: 20 MHz



7.2.12LTE Band 66

LTE Band 66, Channel Bandwidth: 20 MHz



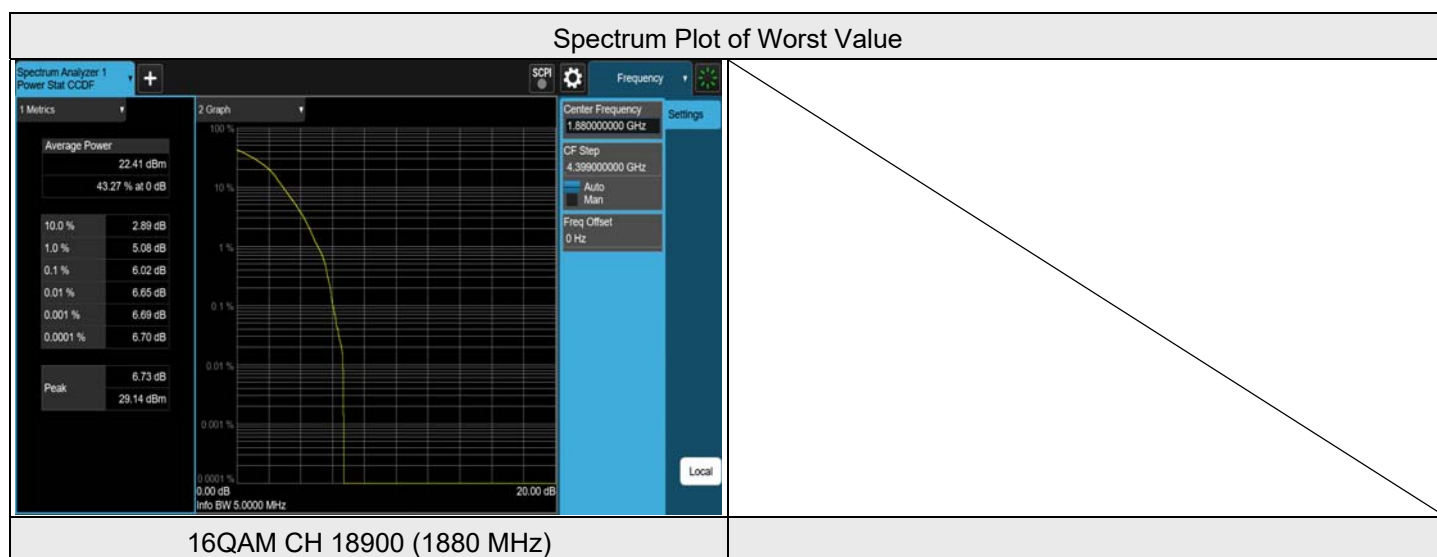
7.3 Peak to Average Ratio

Input Power:	7.20 Vdc	Environmental Conditions:	25°C, 65% RH	Tested By:	Charles Hsiao
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7.3.1 LTE Band 2

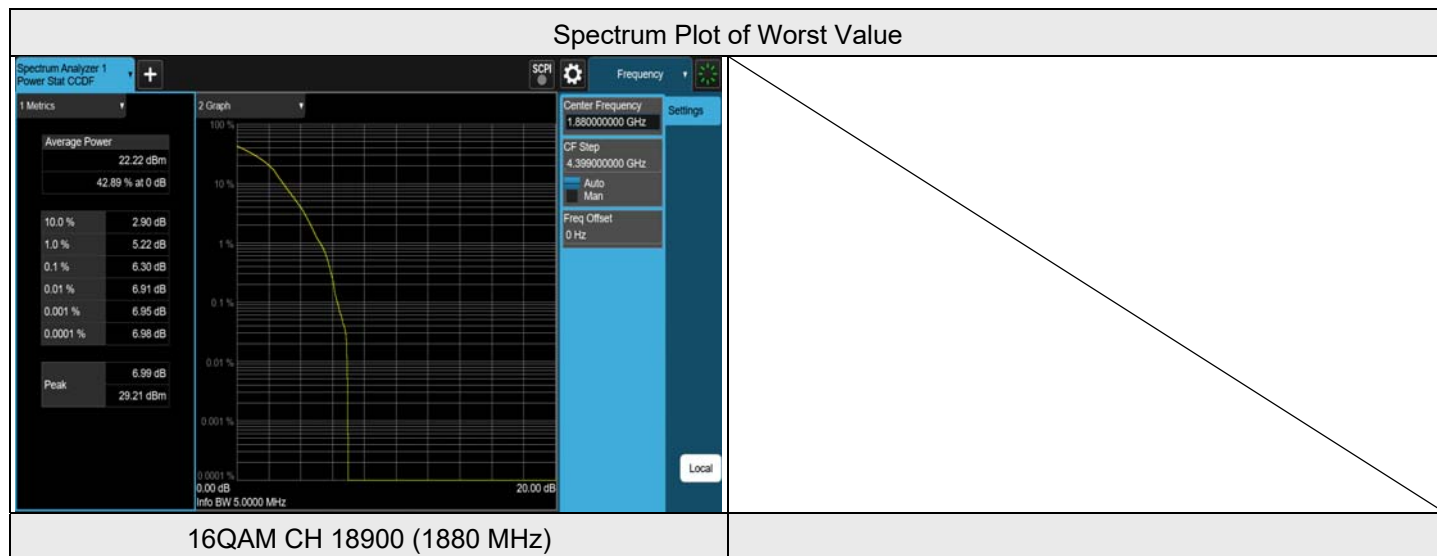
LTE Band 2, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18607	1850.7	4.45	13	PASS
QPSK	18900	1880	5.08	13	PASS
QPSK	19193	1909.3	4.43	13	PASS
16QAM	18607	1850.7	5.52	13	PASS
16QAM	18900	1880	6.02	13	PASS
16QAM	19193	1909.3	5.27	13	PASS



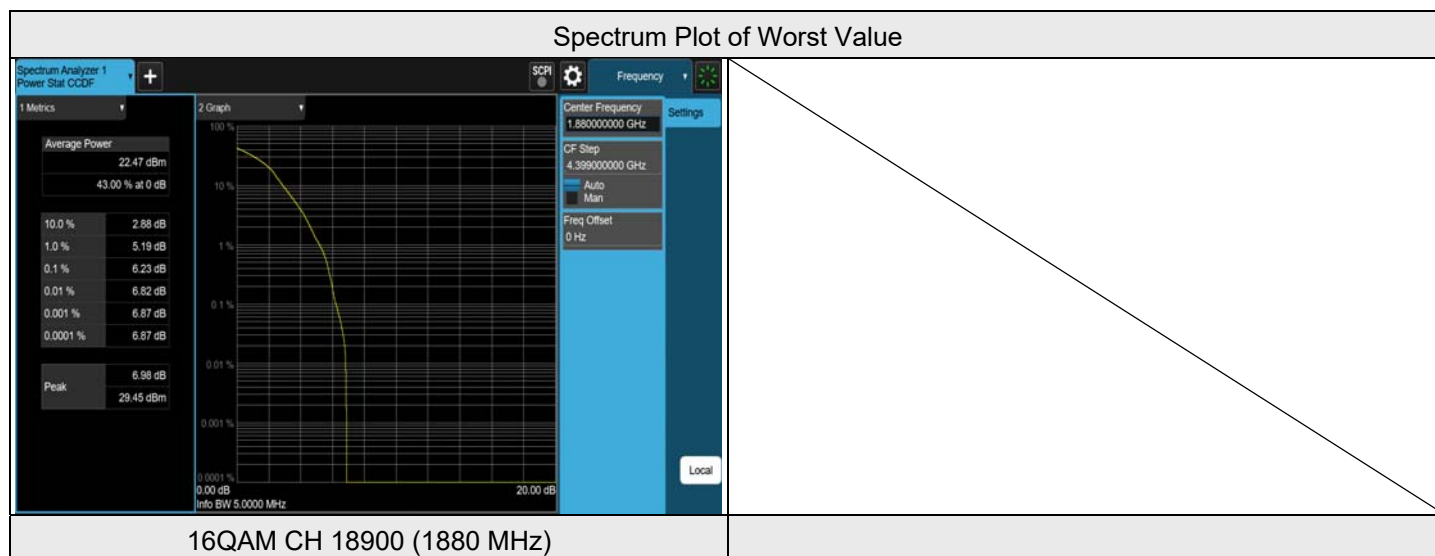
LTE Band 2, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18615	1851.5	4.64	13	PASS
QPSK	18900	1880	5.24	13	PASS
QPSK	19185	1908.5	4.59	13	PASS
16QAM	18615	1851.5	5.59	13	PASS
16QAM	18900	1880	6.30	13	PASS
16QAM	19185	1908.5	5.50	13	PASS



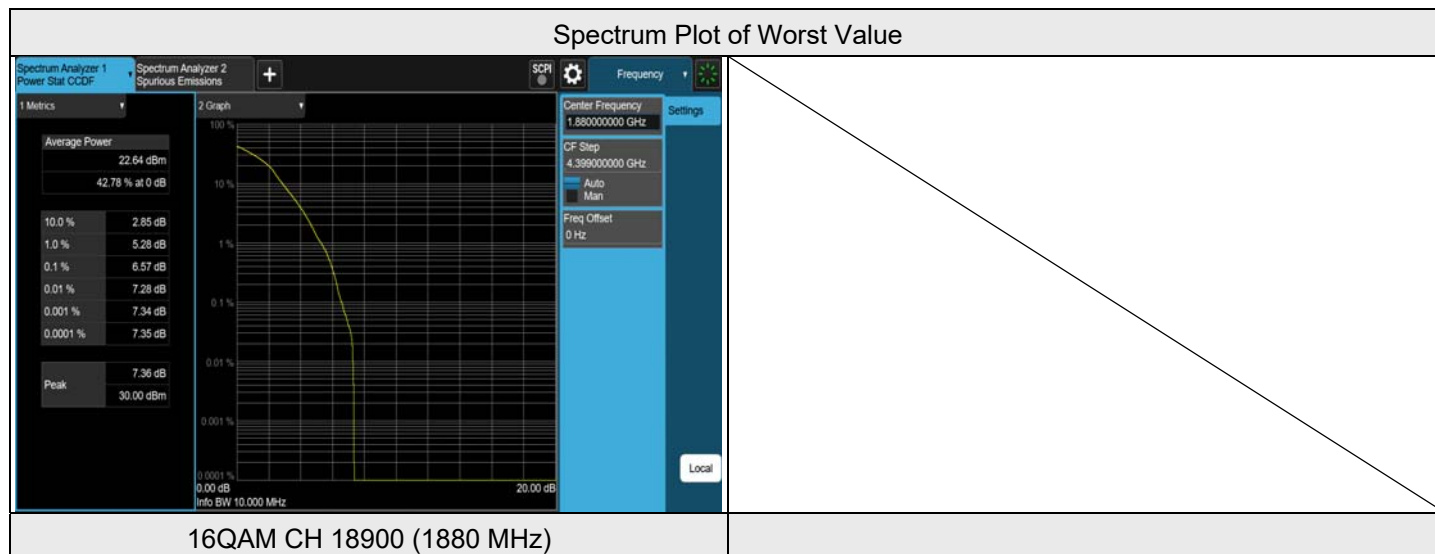
LTE Band 2, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18625	1852.5	4.43	13	PASS
QPSK	18900	1880	5.18	13	PASS
QPSK	19175	1907.5	4.73	13	PASS
16QAM	18625	1852.5	5.35	13	PASS
16QAM	18900	1880	6.23	13	PASS
16QAM	19175	1907.5	5.62	13	PASS



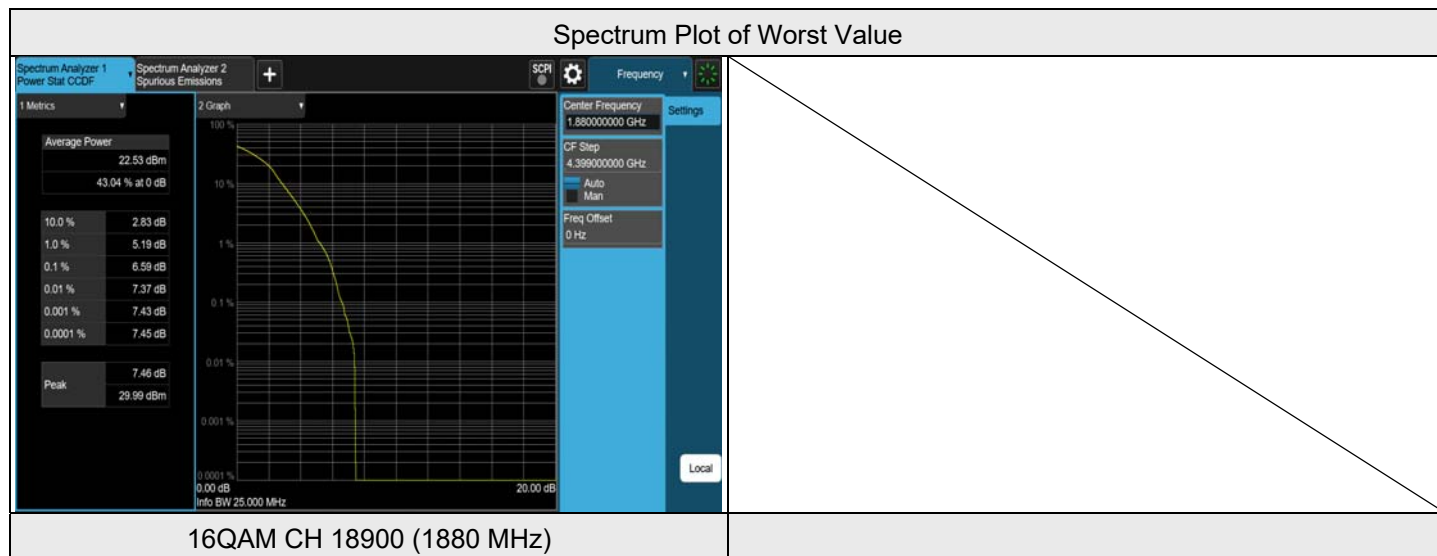
LTE Band 2, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18650	1855	4.23	13	PASS
QPSK	18900	1880	5.33	13	PASS
QPSK	19150	1905	5.27	13	PASS
16QAM	18650	1855	5.47	13	PASS
16QAM	18900	1880	6.57	13	PASS
16QAM	19150	1905	6.31	13	PASS



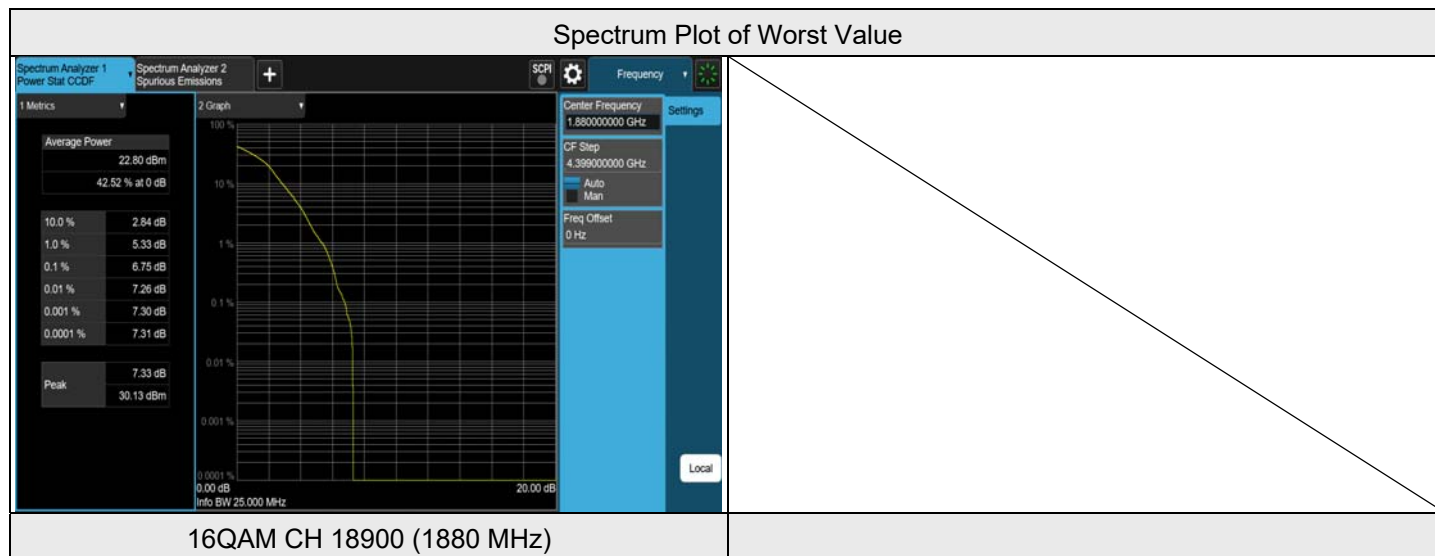
LTE Band 2, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18675	1857.5	4.34	13	PASS
QPSK	18900	1880	5.14	13	PASS
QPSK	19125	1902.5	5.24	13	PASS
16QAM	18675	1857.5	5.55	13	PASS
16QAM	18900	1880	6.59	13	PASS
16QAM	19125	1902.5	6.17	13	PASS



LTE Band 2, Channel Bandwidth: 20 MHz

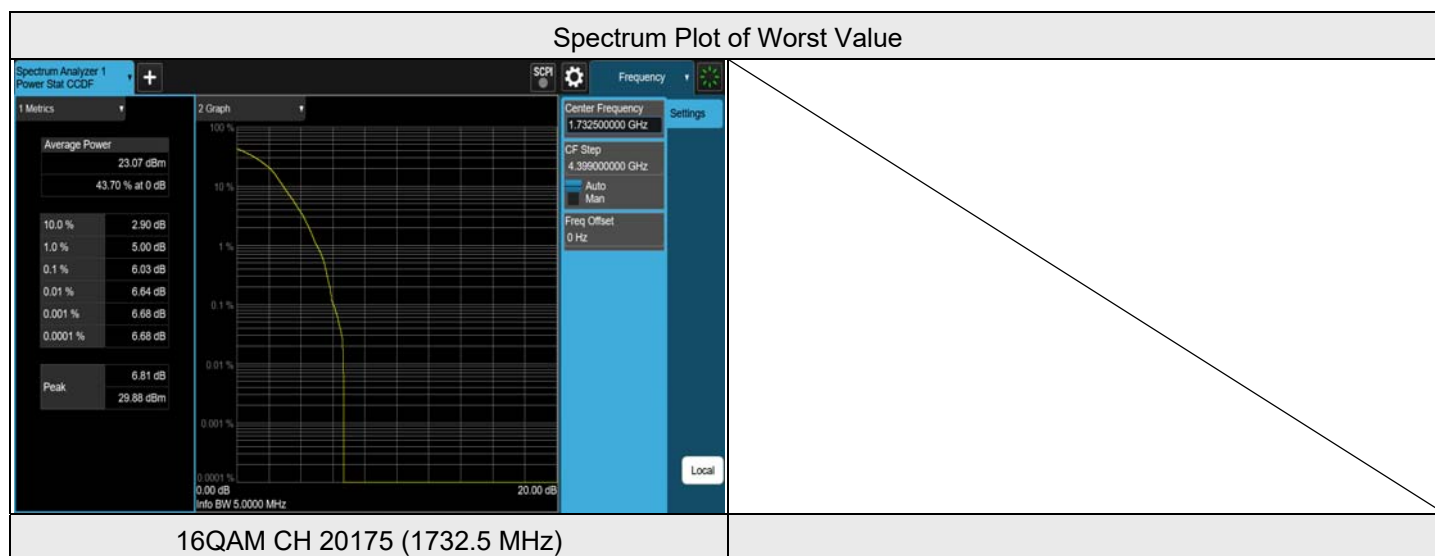
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18700	1860	4.37	13	PASS
QPSK	18900	1880	5.48	13	PASS
QPSK	19100	1900	4.81	13	PASS
16QAM	18700	1860	5.52	13	PASS
16QAM	18900	1880	6.75	13	PASS
16QAM	19100	1900	5.64	13	PASS



7.3.2 LTE Band 4

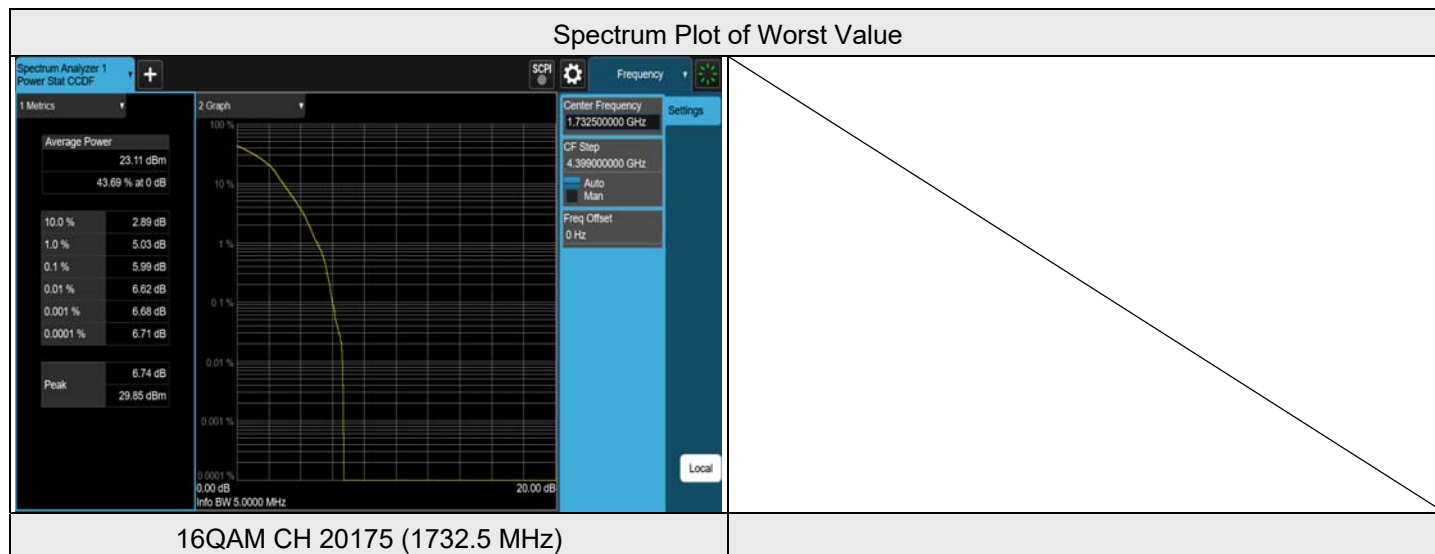
LTE Band 4, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	19957	1710.7	4.39	13	PASS
QPSK	20175	1732.5	5.01	13	PASS
QPSK	20393	1754.3	4.15	13	PASS
16QAM	19957	1710.7	5.56	13	PASS
16QAM	20175	1732.5	6.03	13	PASS
16QAM	20393	1754.3	5.43	13	PASS



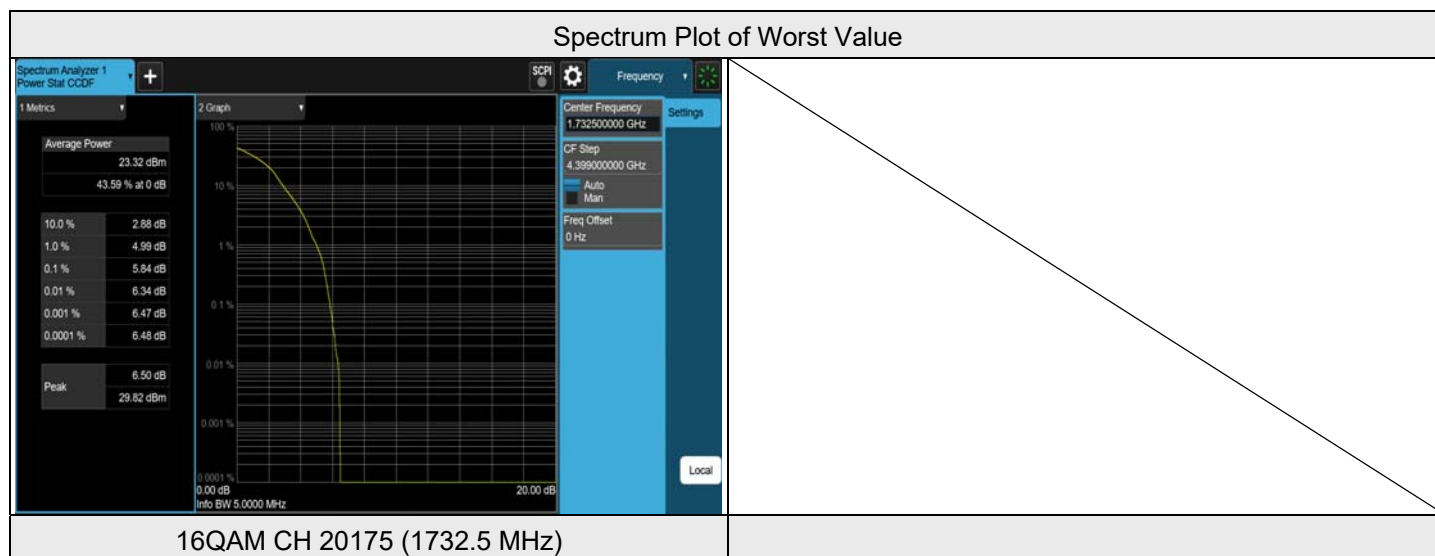
LTE Band 4, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	19965	1711.5	4.67	13	PASS
QPSK	20175	1732.5	5.00	13	PASS
QPSK	20385	1753.5	4.26	13	PASS
16QAM	19965	1711.5	5.63	13	PASS
16QAM	20175	1732.5	5.99	13	PASS
16QAM	20385	1753.5	5.19	13	PASS



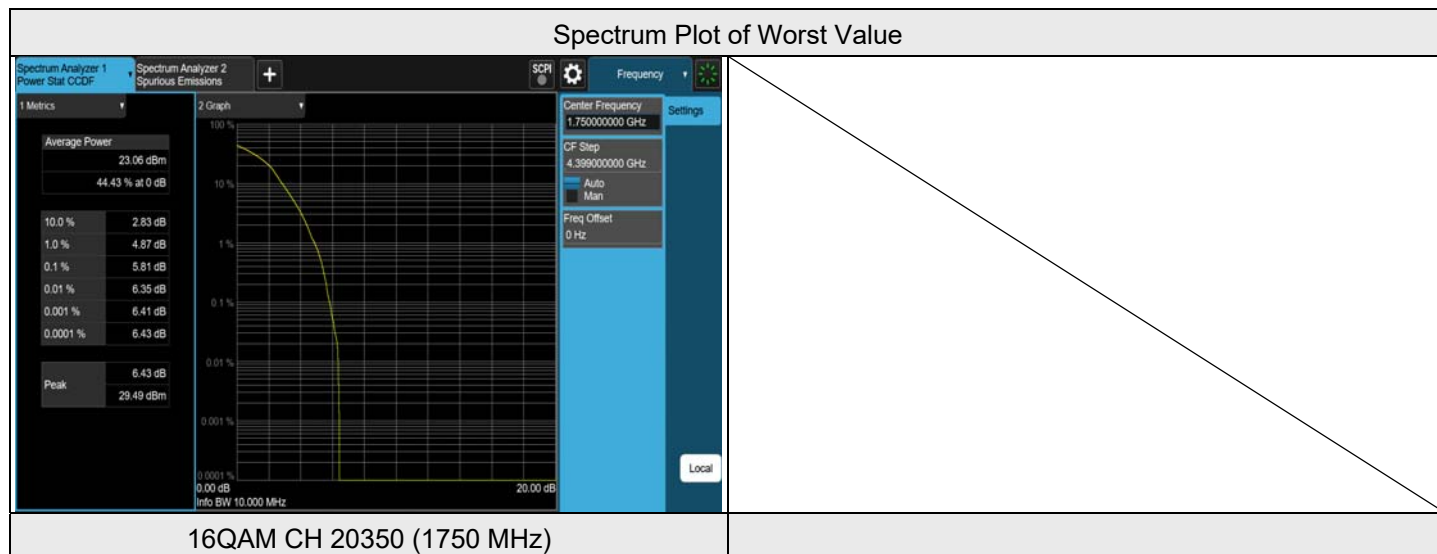
LTE Band 4, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	19975	1712.5	4.59	13	PASS
QPSK	20175	1732.5	4.87	13	PASS
QPSK	20375	1752.5	4.29	13	PASS
16QAM	19975	1712.5	5.60	13	PASS
16QAM	20175	1732.5	5.84	13	PASS
16QAM	20375	1752.5	5.27	13	PASS



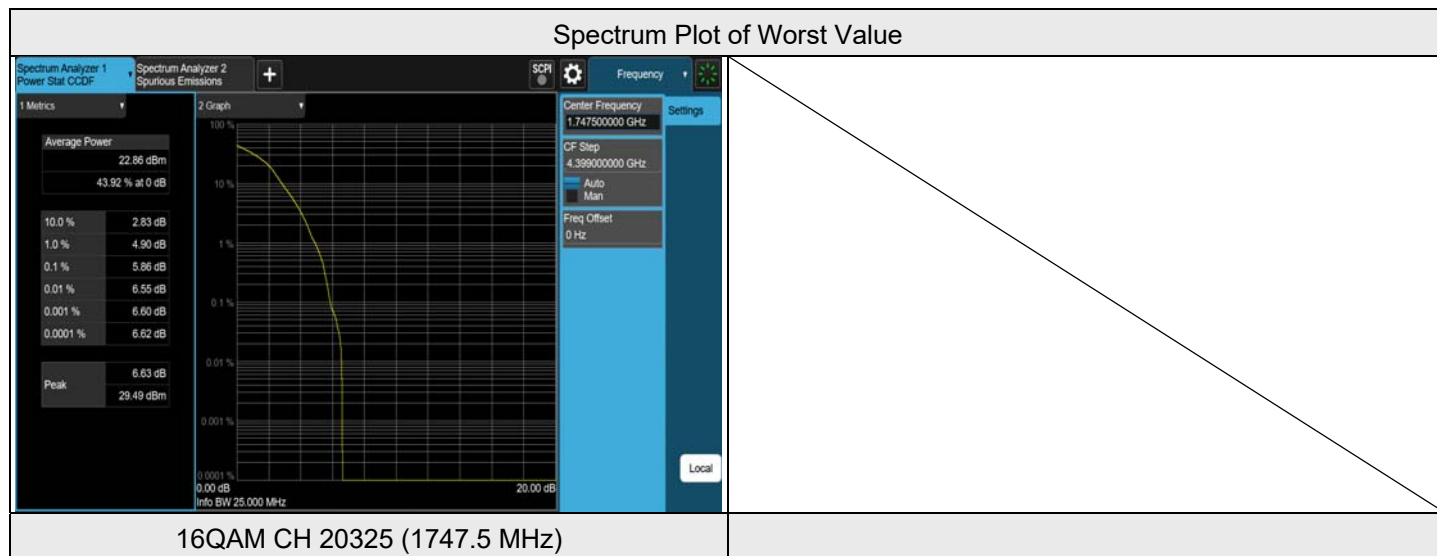
LTE Band 4, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20000	1715	4.49	13	PASS
QPSK	20175	1732.5	4.74	13	PASS
QPSK	20350	1750	4.63	13	PASS
16QAM	20000	1715	5.65	13	PASS
16QAM	20175	1732.5	5.48	13	PASS
16QAM	20350	1750	5.81	13	PASS



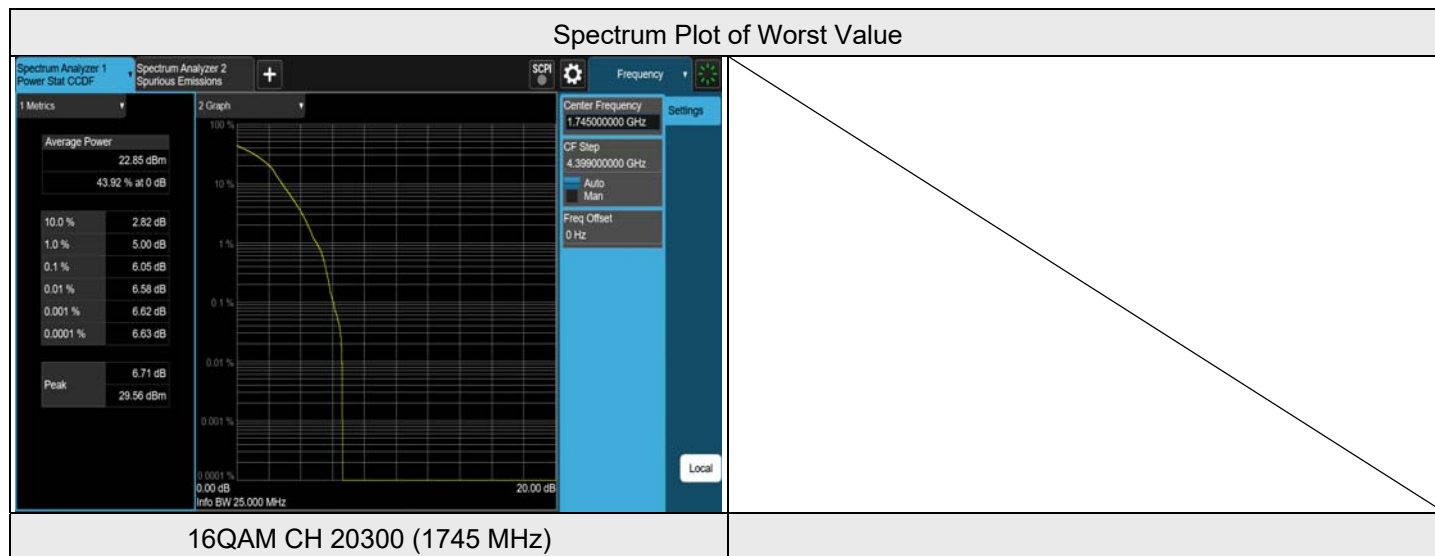
LTE Band 4, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20025	1717.5	4.47	13	PASS
QPSK	20175	1732.5	4.66	13	PASS
QPSK	20325	1747.5	4.89	13	PASS
16QAM	20025	1717.5	5.71	13	PASS
16QAM	20175	1732.5	5.32	13	PASS
16QAM	20325	1747.5	5.86	13	PASS



LTE Band 4, Channel Bandwidth: 20 MHz

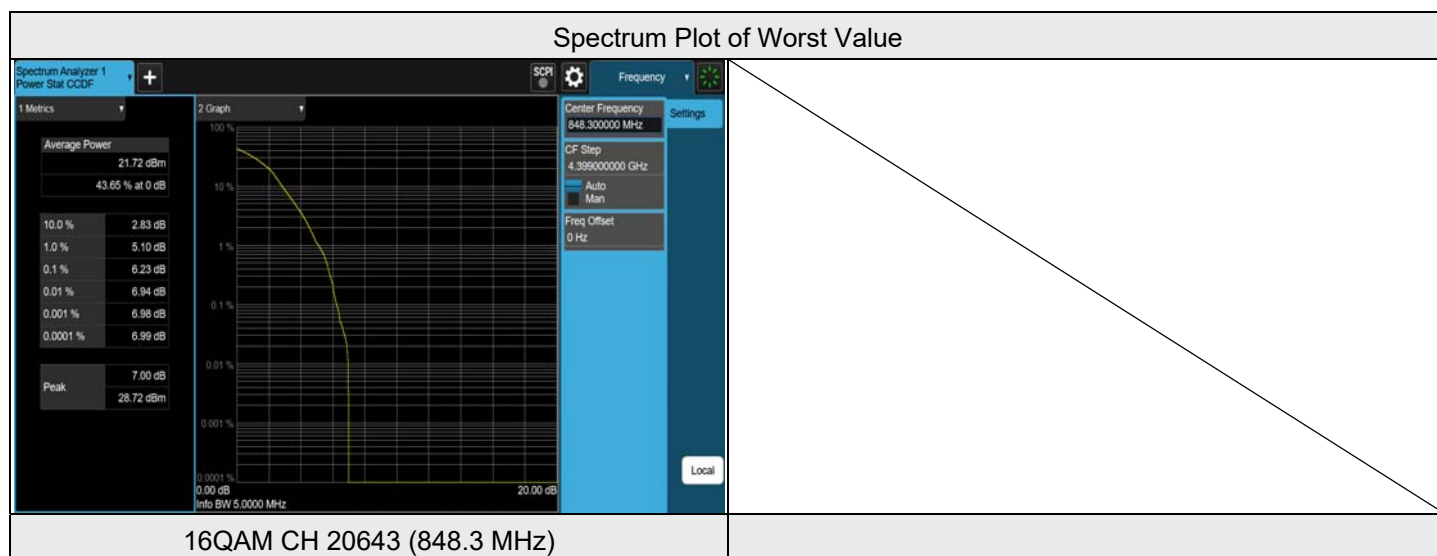
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20050	1720	4.54	13	PASS
QPSK	20175	1732.5	4.54	13	PASS
QPSK	20300	1745	5.02	13	PASS
16QAM	20050	1720	5.95	13	PASS
16QAM	20175	1732.5	5.36	13	PASS
16QAM	20300	1745	6.05	13	PASS



7.3.3 LTE Band 5

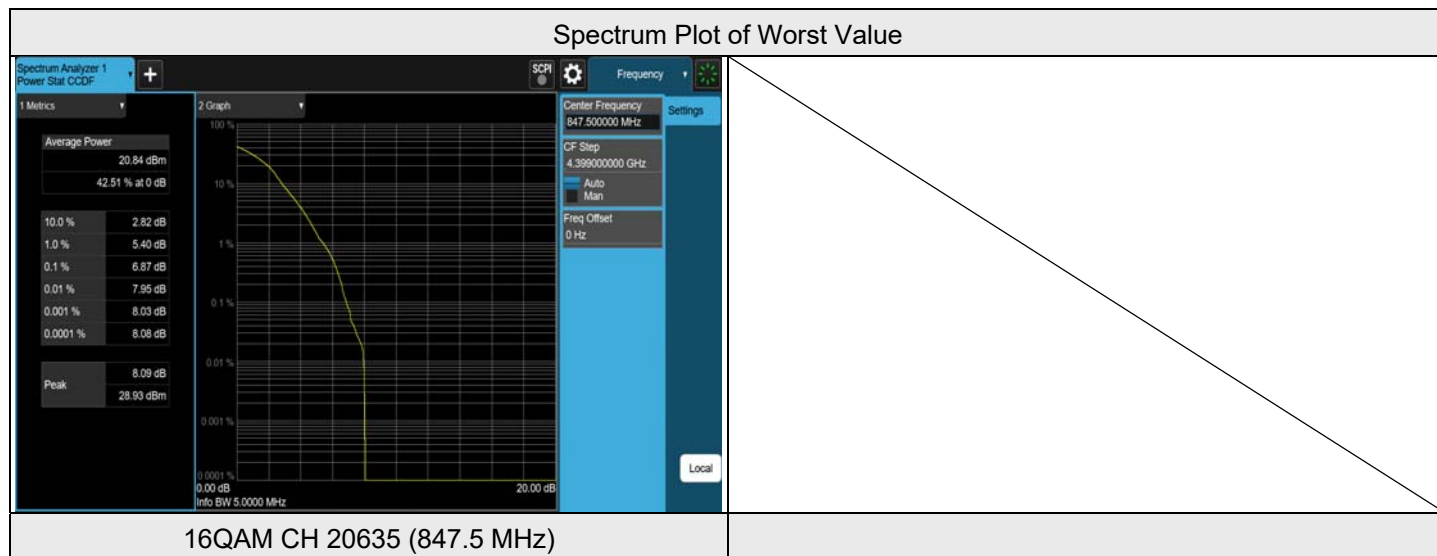
LTE Band 5, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20407	824.7	4.96	13	PASS
QPSK	20525	836.5	4.90	13	PASS
QPSK	20643	848.3	5.19	13	PASS
16QAM	20407	824.7	5.89	13	PASS
16QAM	20525	836.5	5.93	13	PASS
16QAM	20643	848.3	6.23	13	PASS



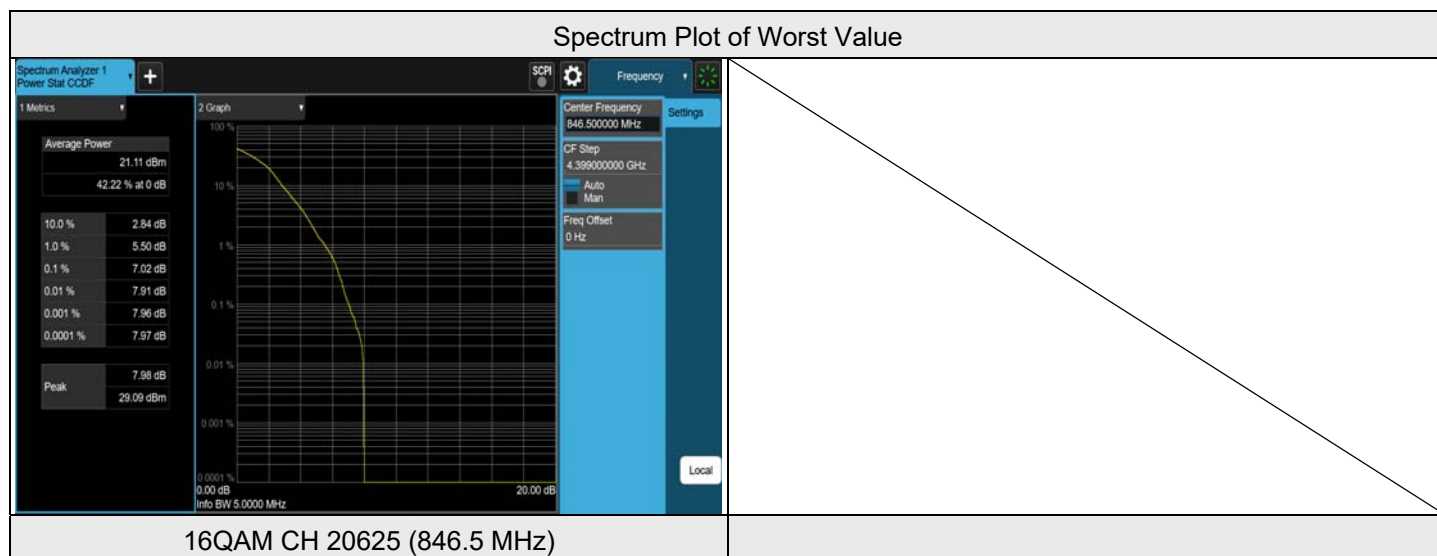
LTE Band 5, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20415	825.5	5.21	13	PASS
QPSK	20525	836.5	5.26	13	PASS
QPSK	20635	847.5	5.73	13	PASS
16QAM	20415	825.5	6.20	13	PASS
16QAM	20525	836.5	6.30	13	PASS
16QAM	20635	847.5	6.87	13	PASS



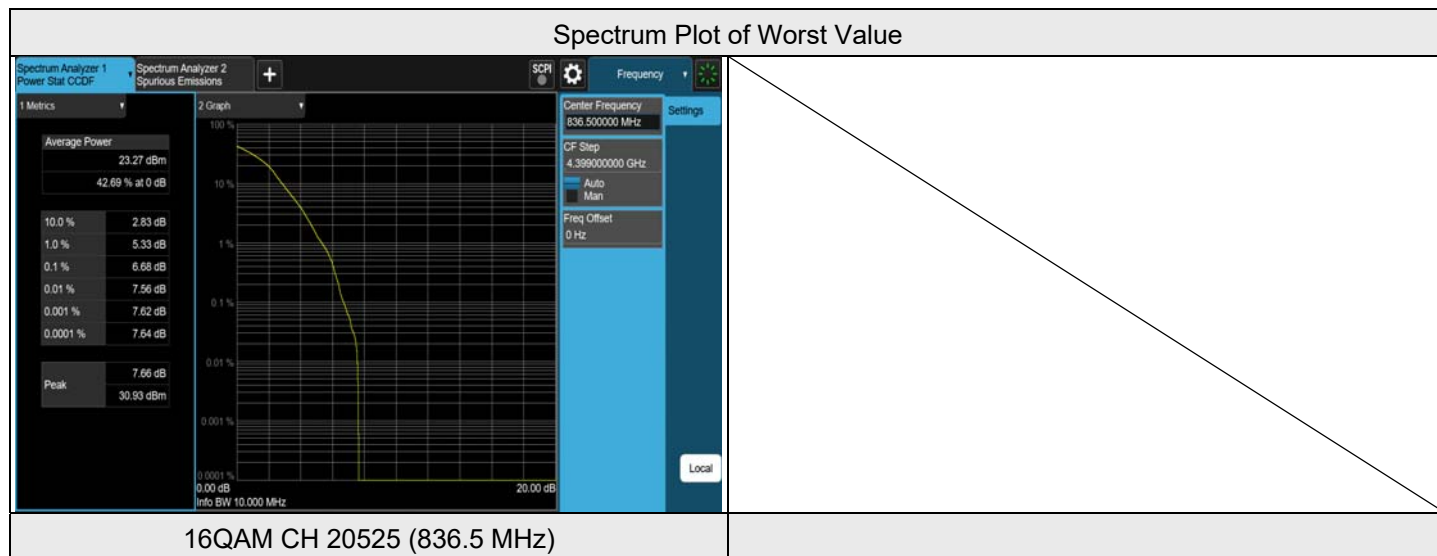
LTE Band 5, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20425	826.5	5.14	13	PASS
QPSK	20525	836.5	5.50	13	PASS
QPSK	20625	846.5	5.78	13	PASS
16QAM	20425	826.5	6.16	13	PASS
16QAM	20525	836.5	6.65	13	PASS
16QAM	20625	846.5	7.02	13	PASS



LTE Band 5, Channel Bandwidth: 10 MHz

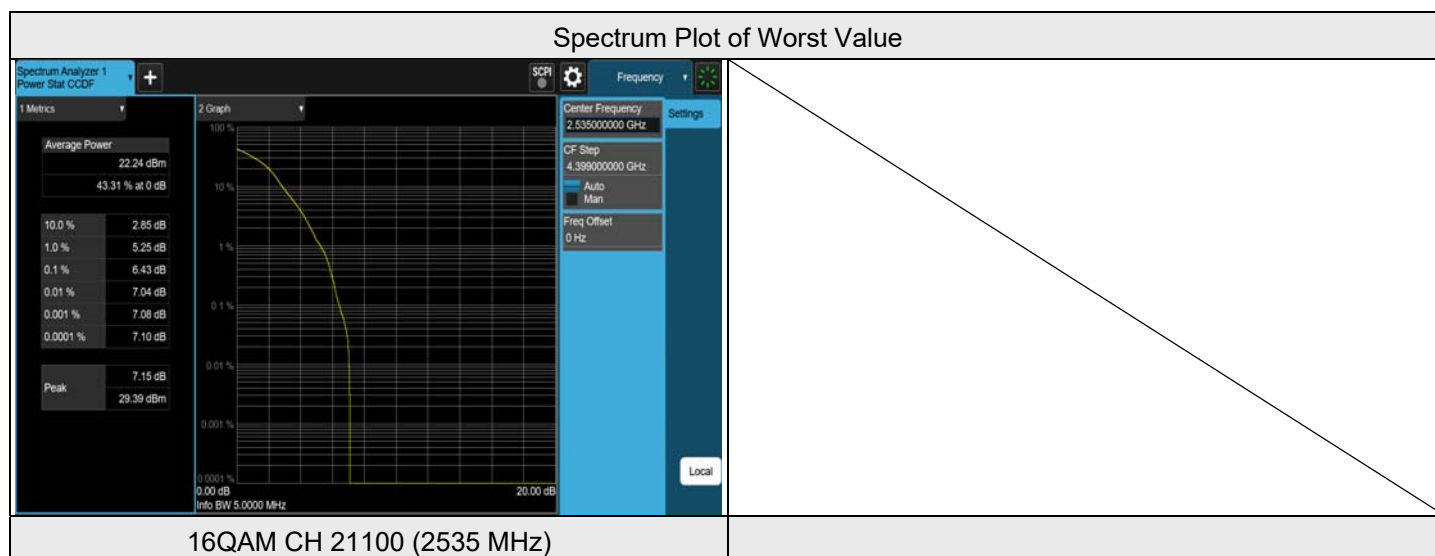
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20450	829	5.27	13	PASS
QPSK	20525	836.5	5.74	13	PASS
QPSK	20600	844	4.98	13	PASS
16QAM	20450	829	6.34	13	PASS
16QAM	20525	836.5	6.68	13	PASS
16QAM	20600	844	5.87	13	PASS



7.3.4 LTE Band 7

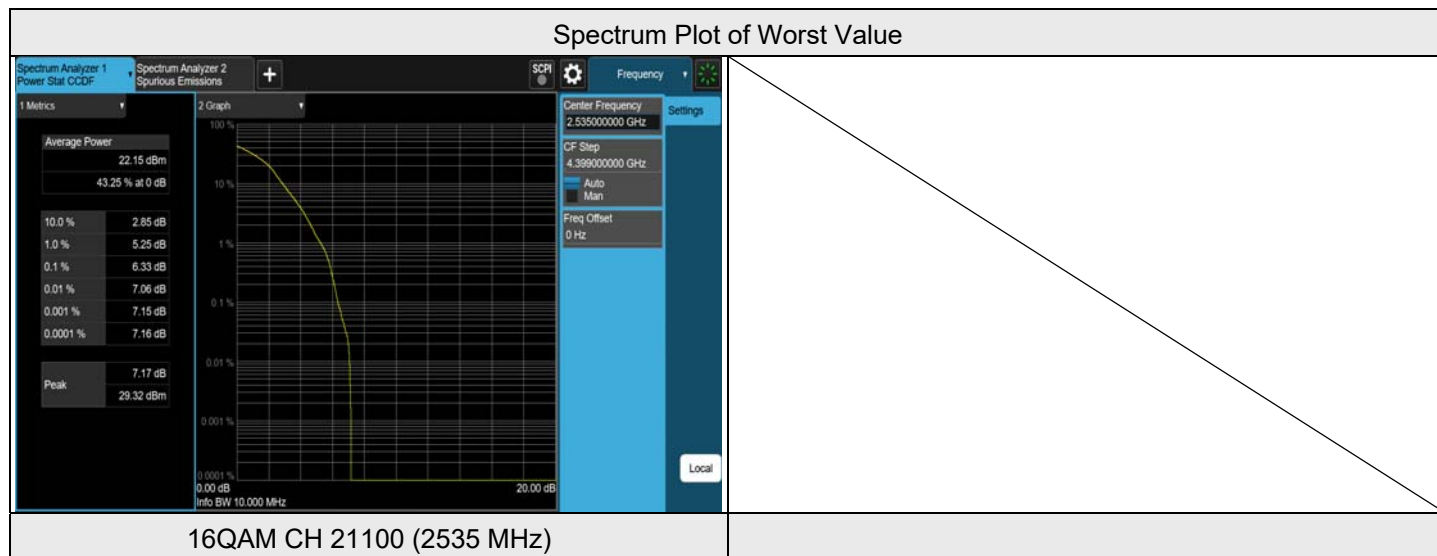
LTE Band 7, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20775	2502.5	4.89	13	PASS
QPSK	21100	2535	5.34	13	PASS
QPSK	21425	2567.5	5.20	13	PASS
16QAM	20775	2502.5	6.09	13	PASS
16QAM	21100	2535	6.43	13	PASS
16QAM	21425	2567.5	6.25	13	PASS



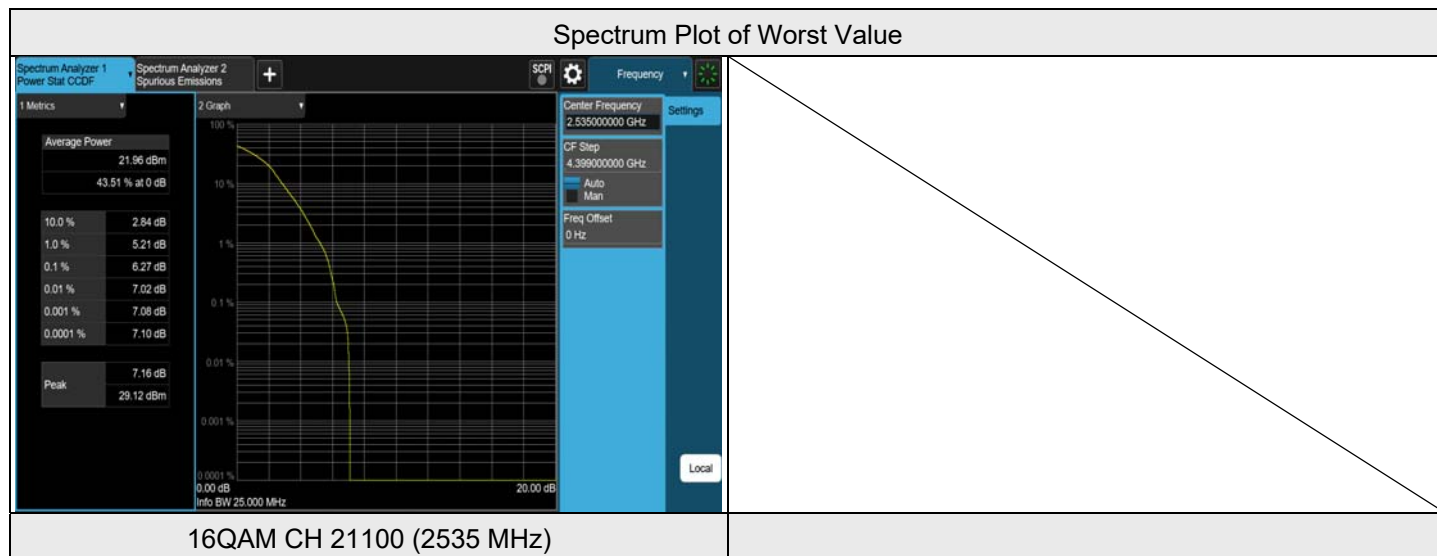
LTE Band 7, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20800	2505	5.08	13	PASS
QPSK	21100	2535	5.33	13	PASS
QPSK	21400	2565	5.13	13	PASS
16QAM	20800	2505	6.12	13	PASS
16QAM	21100	2535	6.33	13	PASS
16QAM	21400	2565	6.04	13	PASS



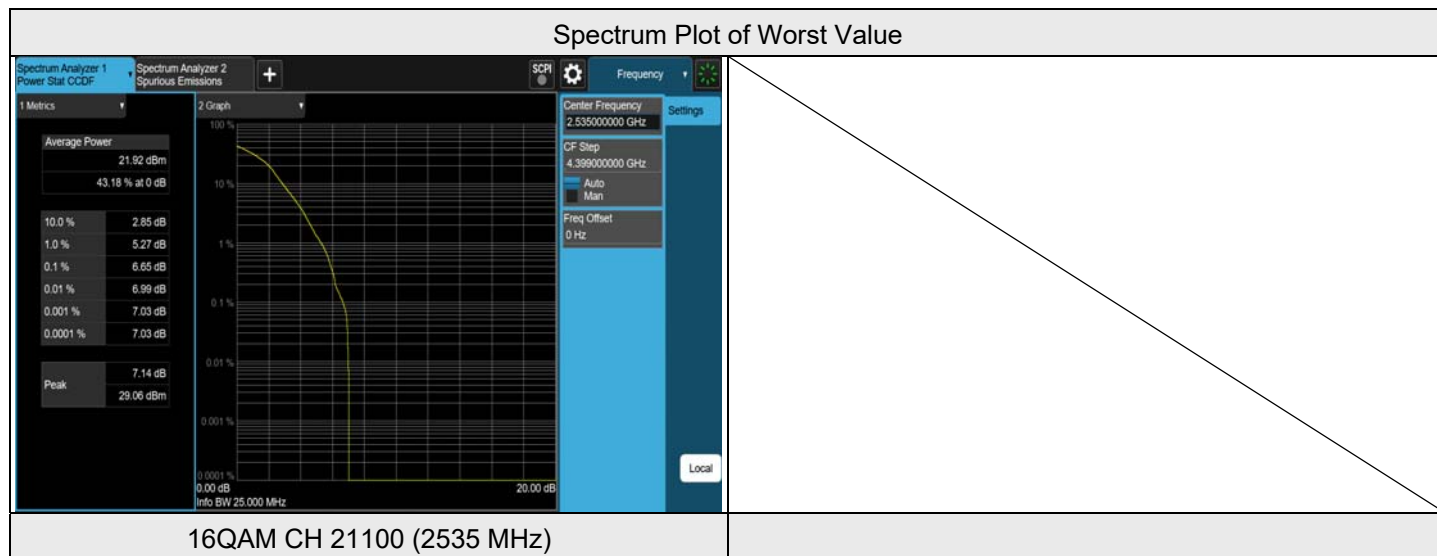
LTE Band 7, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20825	2507.5	5.08	13	PASS
QPSK	21100	2535	5.29	13	PASS
QPSK	21375	2562.5	5.06	13	PASS
16QAM	20825	2507.5	6.16	13	PASS
16QAM	21100	2535	6.27	13	PASS
16QAM	21375	2562.5	6.07	13	PASS



LTE Band 7, Channel Bandwidth: 20 MHz

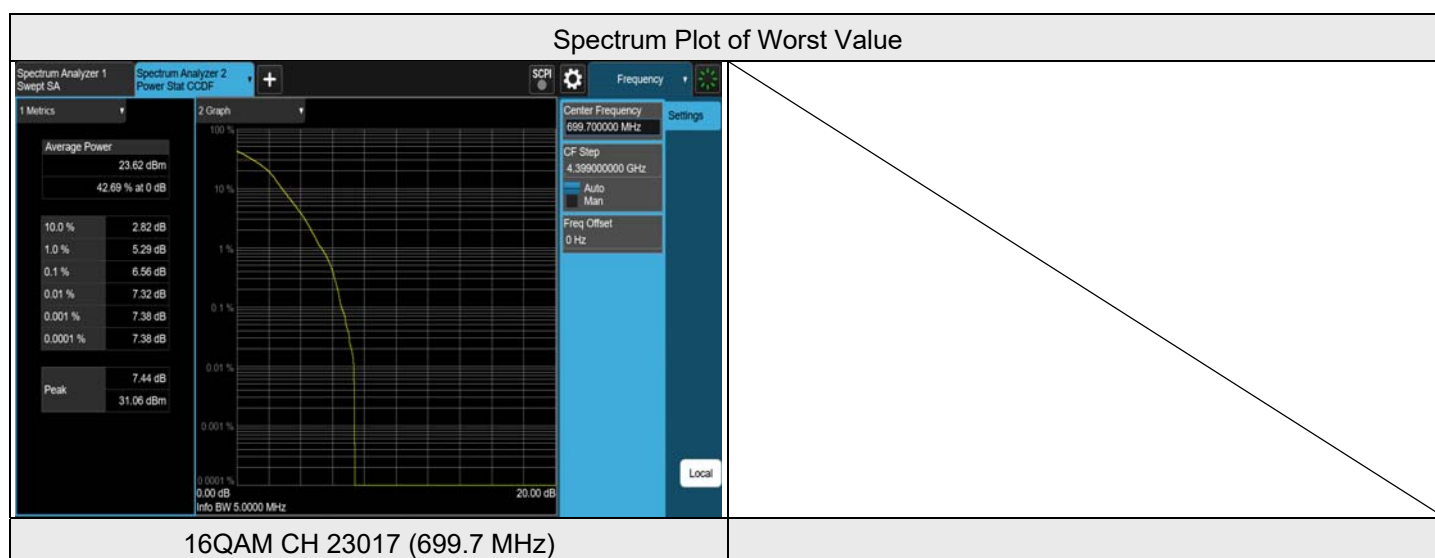
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20850	2510	5.03	13	PASS
QPSK	21100	2535	5.27	13	PASS
QPSK	21350	2560	5.06	13	PASS
16QAM	20850	2510	6.15	13	PASS
16QAM	21100	2535	6.65	13	PASS
16QAM	21350	2560	6.09	13	PASS



7.3.5 LTE Band 12

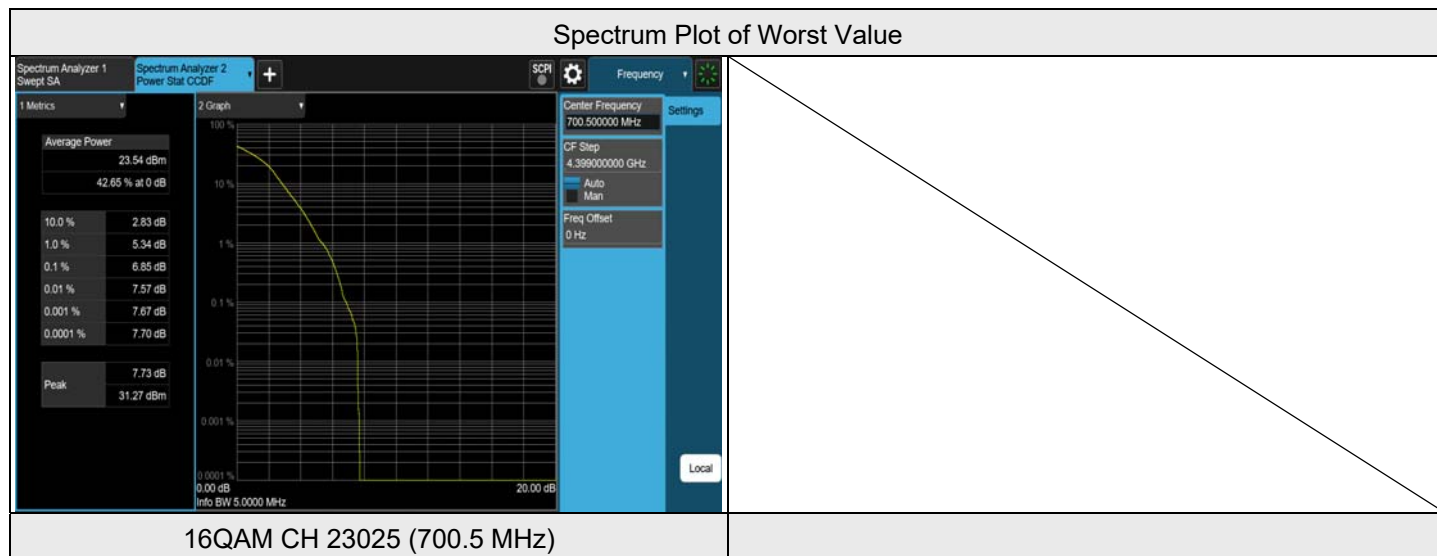
LTE Band 12, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23017	699.7	5.33	13	PASS
QPSK	23095	707.5	5.01	13	PASS
QPSK	23173	715.3	5.40	13	PASS
16QAM	23017	699.7	6.56	13	PASS
16QAM	23095	707.5	5.91	13	PASS
16QAM	23173	715.3	6.48	13	PASS



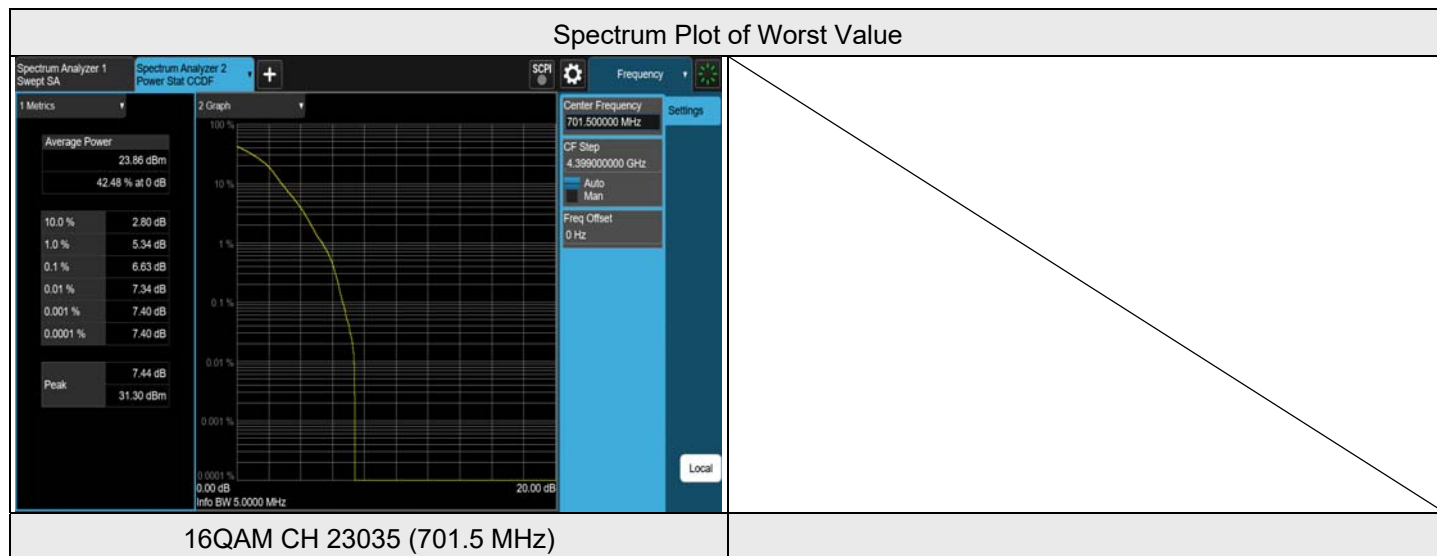
LTE Band 12, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23025	700.5	5.65	13	PASS
QPSK	23095	707.5	5.09	13	PASS
QPSK	23165	714.5	5.60	13	PASS
16QAM	23025	700.5	6.85	13	PASS
16QAM	23095	707.5	6.04	13	PASS
16QAM	23165	714.5	6.77	13	PASS



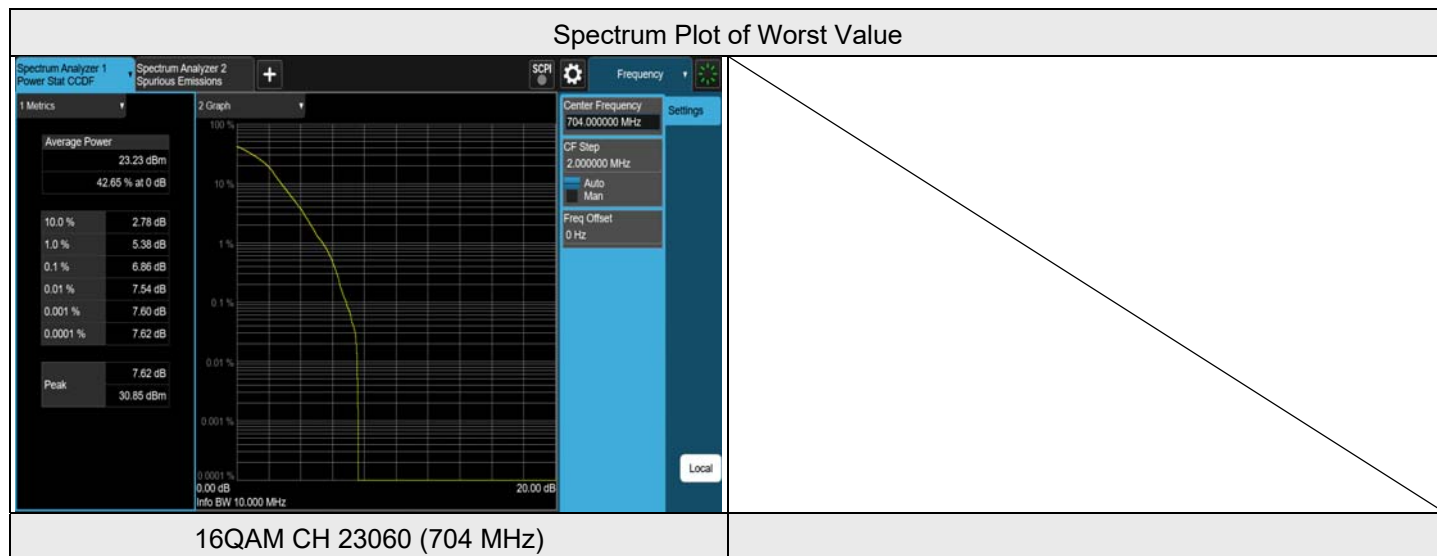
LTE Band 12, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23035	701.5	5.56	13	PASS
QPSK	23095	707.5	5.10	13	PASS
QPSK	23155	713.5	5.53	13	PASS
16QAM	23035	701.5	6.63	13	PASS
16QAM	23095	707.5	6.13	13	PASS
16QAM	23155	713.5	6.62	13	PASS



LTE Band 12, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23060	704	5.60	13	PASS
QPSK	23095	707.5	5.30	13	PASS
QPSK	23130	711	5.19	13	PASS
16QAM	23060	704	6.86	13	PASS
16QAM	23095	707.5	6.39	13	PASS
16QAM	23130	711	6.24	13	PASS

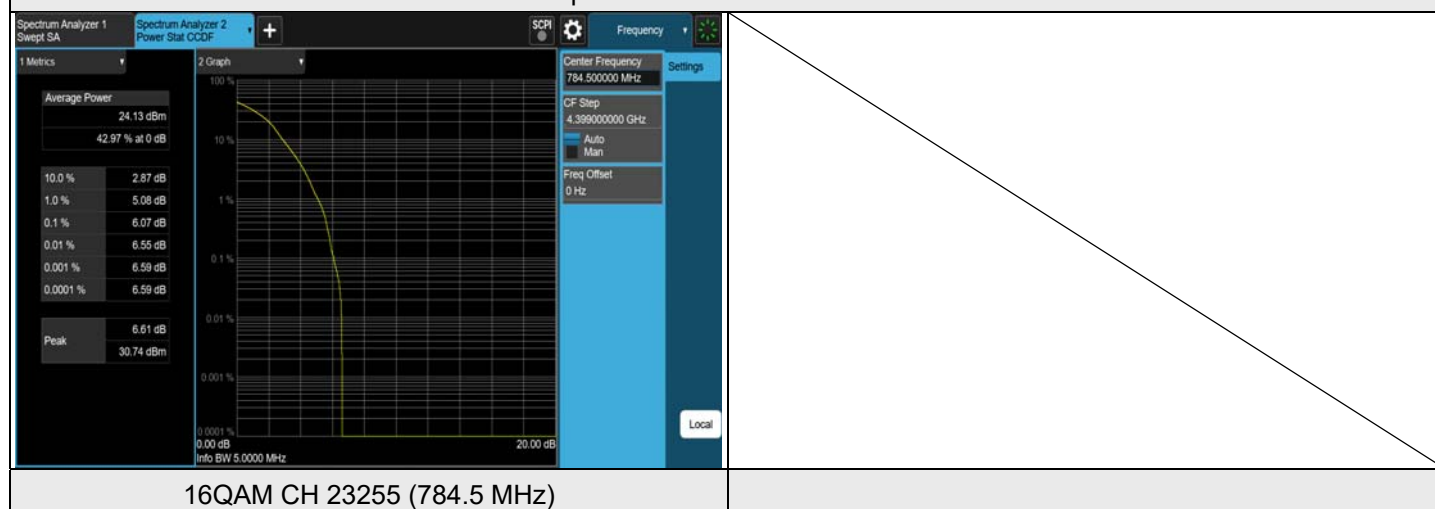


7.3.6 LTE Band 13

LTE Band 13, Channel Bandwidth: 5 MHz

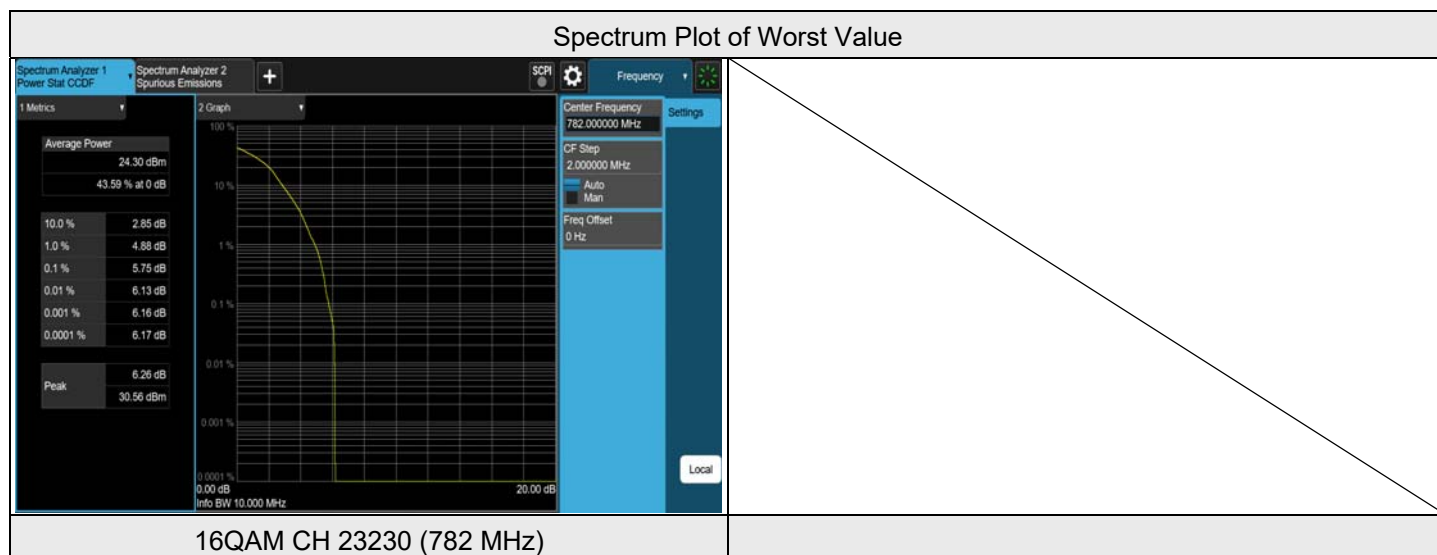
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23205	779.5	4.68	13	PASS
QPSK	23230	782	4.88	13	PASS
QPSK	23255	784.5	5.08	13	PASS
16QAM	23205	779.5	5.80	13	PASS
16QAM	23230	782	5.92	13	PASS
16QAM	23255	784.5	6.07	13	PASS

Spectrum Plot of Worst Value



LTE Band 13, Channel Bandwidth: 10 MHz

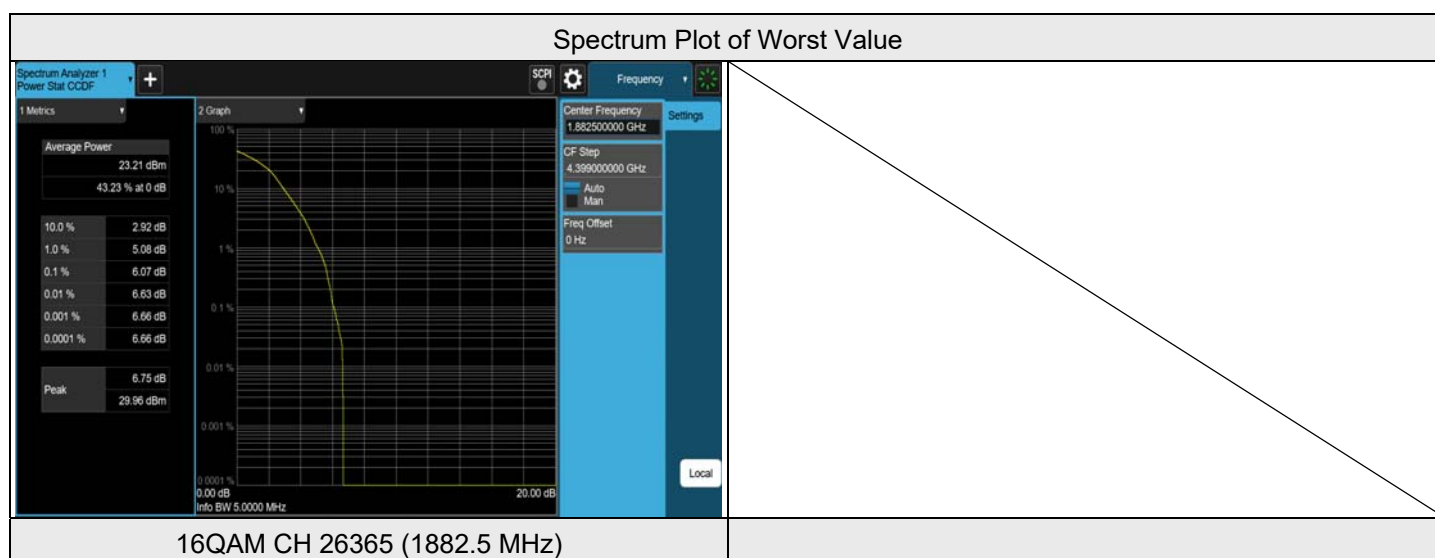
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23230	782	4.87	13	PASS
16QAM	23230	782	5.75	13	PASS



7.3.7 LTE Band 25

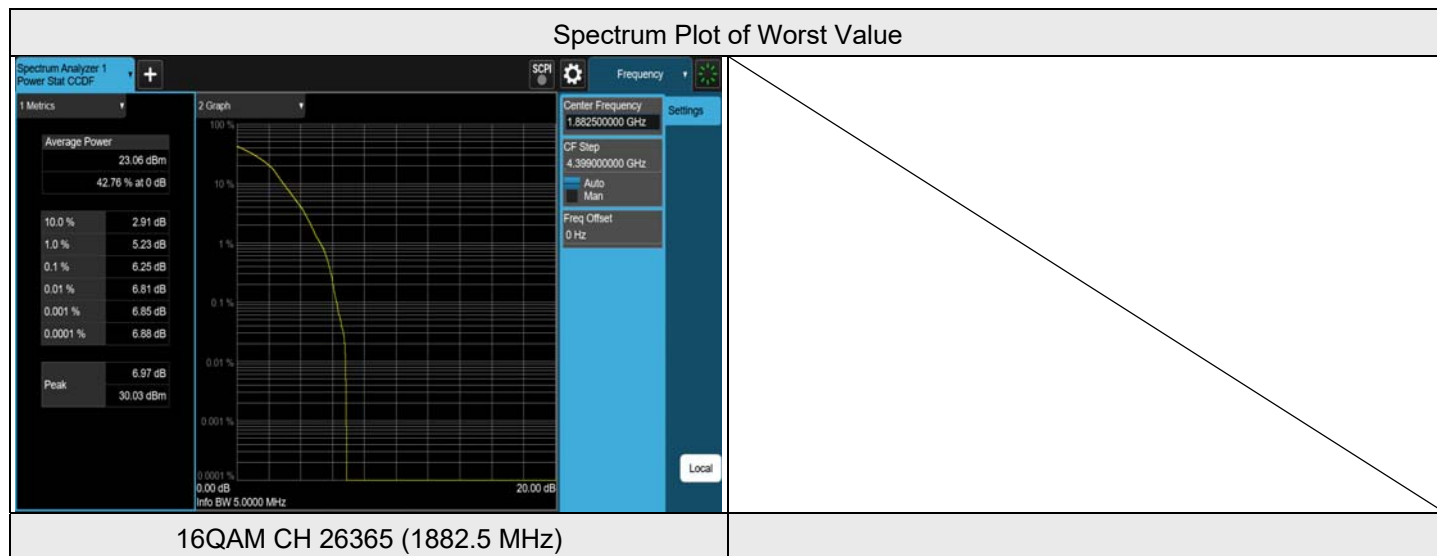
LTE Band 25, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26047	1850.7	4.52	13	PASS
QPSK	26365	1882.5	5.09	13	PASS
QPSK	26683	1914.3	4.29	13	PASS
16QAM	26047	1850.7	5.56	13	PASS
16QAM	26365	1882.5	6.07	13	PASS
16QAM	26683	1914.3	5.15	13	PASS



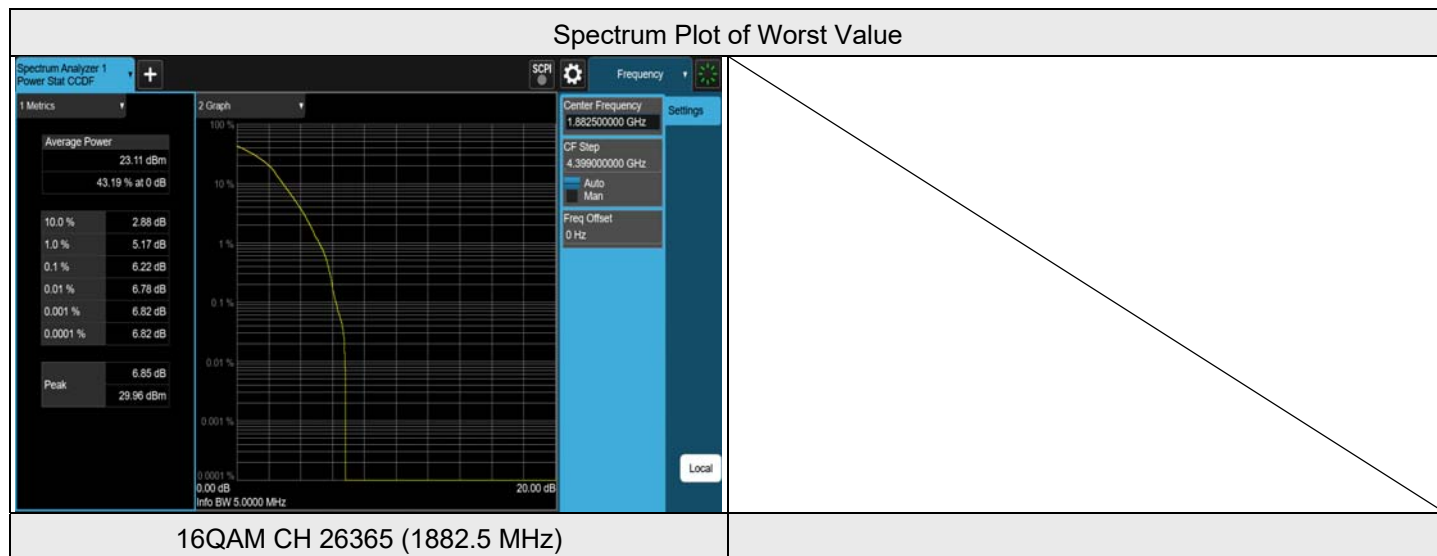
LTE Band 25, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26055	1851.5	4.65	13	PASS
QPSK	26365	1882.5	5.21	13	PASS
QPSK	26675	1913.5	4.34	13	PASS
16QAM	26055	1851.5	5.69	13	PASS
16QAM	26365	1882.5	6.25	13	PASS
16QAM	26675	1913.5	5.18	13	PASS



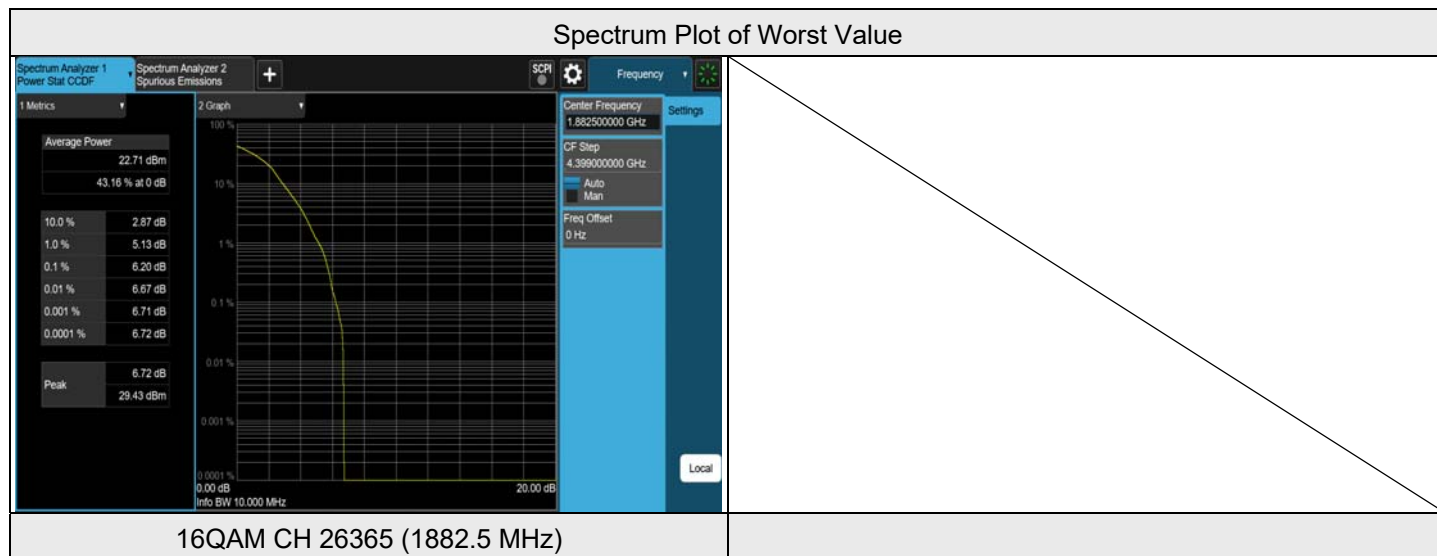
LTE Band 25, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26065	1852.5	4.53	13	PASS
QPSK	26365	1882.5	5.17	13	PASS
QPSK	26665	1912.5	4.15	13	PASS
16QAM	26065	1852.5	5.42	13	PASS
16QAM	26365	1882.5	6.22	13	PASS
16QAM	26665	1912.5	5.02	13	PASS



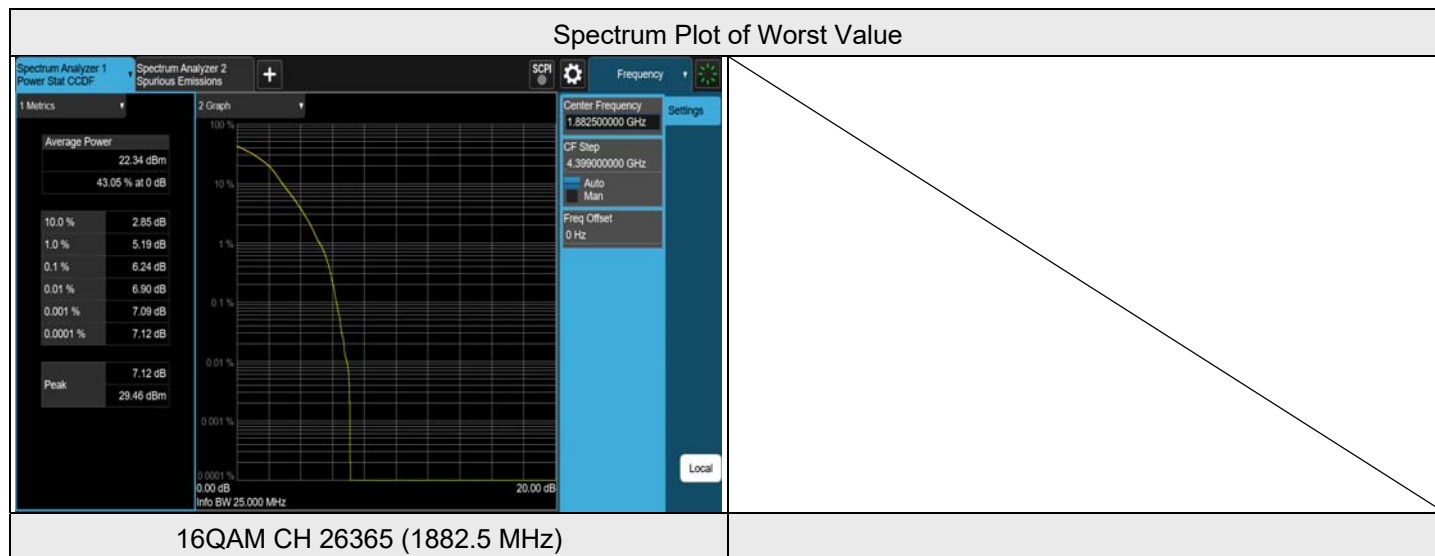
LTE Band 25, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26090	1855	4.49	13	PASS
QPSK	26365	1882.5	5.30	13	PASS
QPSK	26640	1910	4.62	13	PASS
16QAM	26090	1855	5.24	13	PASS
16QAM	26365	1882.5	6.20	13	PASS
16QAM	26640	1910	5.29	13	PASS



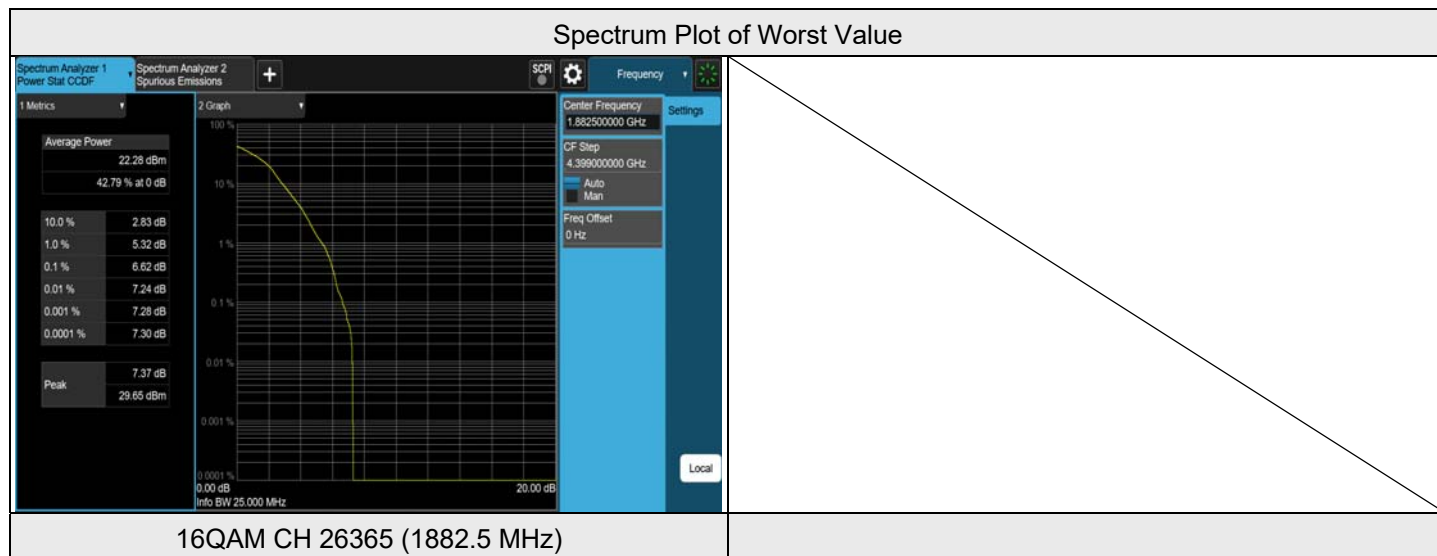
LTE Band 25, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26115	1857.5	4.46	13	PASS
QPSK	26365	1882.5	5.42	13	PASS
QPSK	26615	1907.5	5.05	13	PASS
16QAM	26115	1857.5	5.09	13	PASS
16QAM	26365	1882.5	6.24	13	PASS
16QAM	26615	1907.5	6.00	13	PASS



LTE Band 25, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26140	1860	4.47	13	PASS
QPSK	26365	1882.5	5.49	13	PASS
QPSK	26590	1905	4.95	13	PASS
16QAM	26140	1860	5.04	13	PASS
16QAM	26365	1882.5	6.62	13	PASS
16QAM	26590	1905	6.22	13	PASS

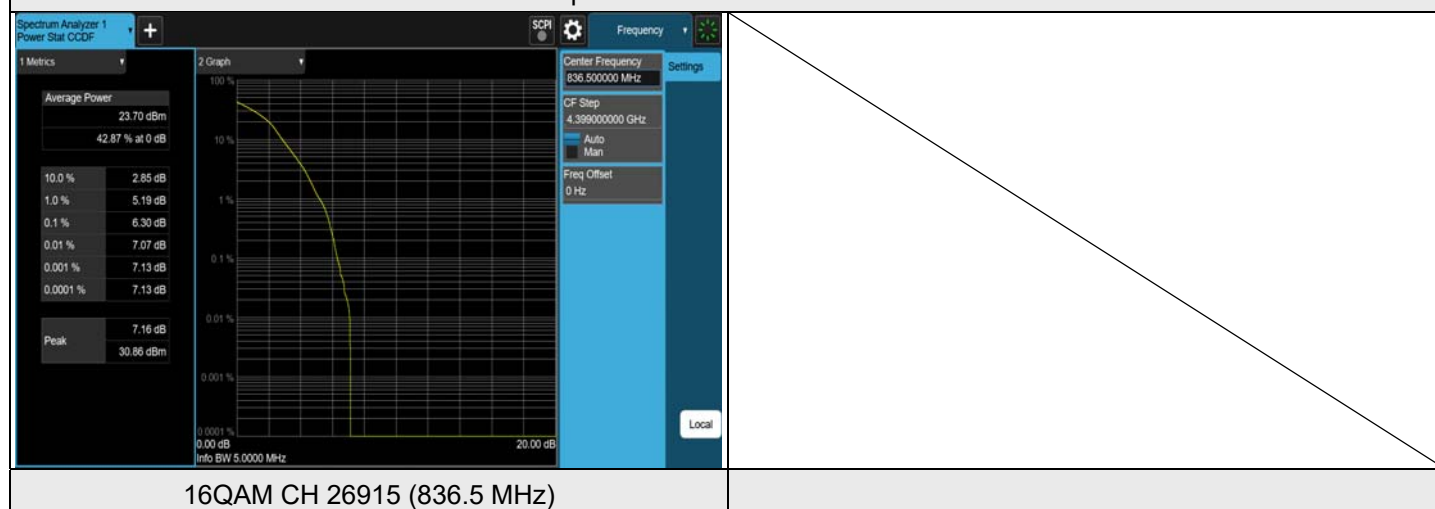


7.3.8 LTE Band 26 (824 MHz ~ 849 MHz)

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 1.4 MHz

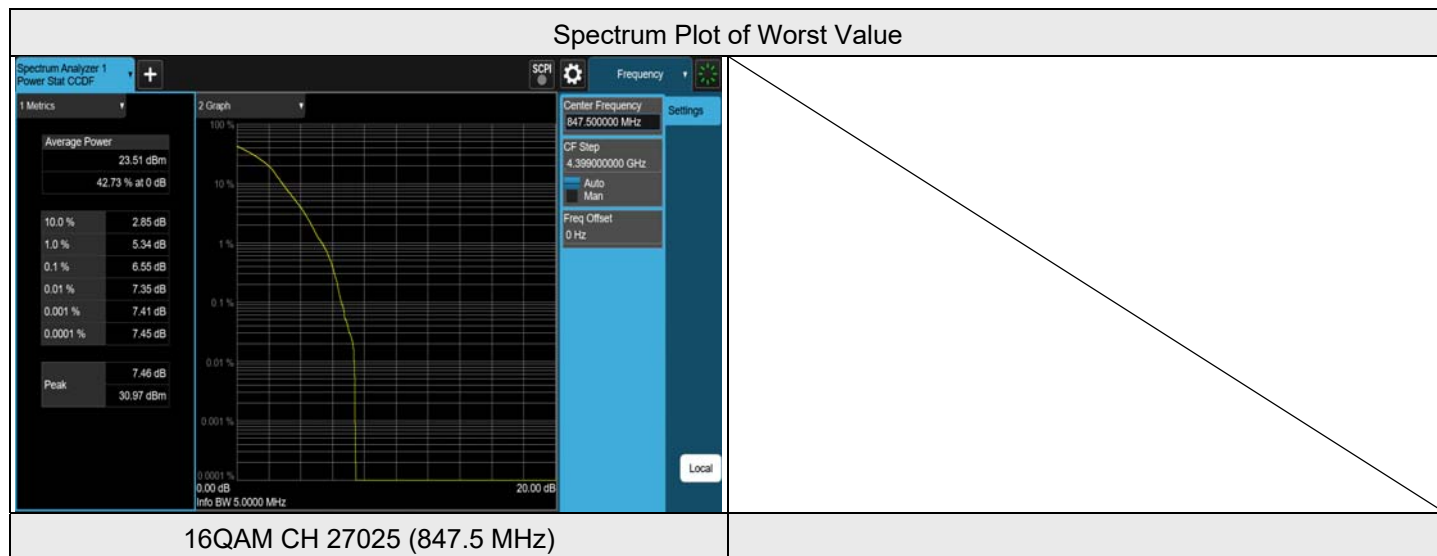
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26797	824.7	5.00	13	PASS
QPSK	26915	836.5	5.34	13	PASS
QPSK	27033	848.3	5.22	13	PASS
16QAM	26797	824.7	6.18	13	PASS
16QAM	26915	836.5	6.30	13	PASS
16QAM	27033	848.3	6.21	13	PASS

Spectrum Plot of Worst Value



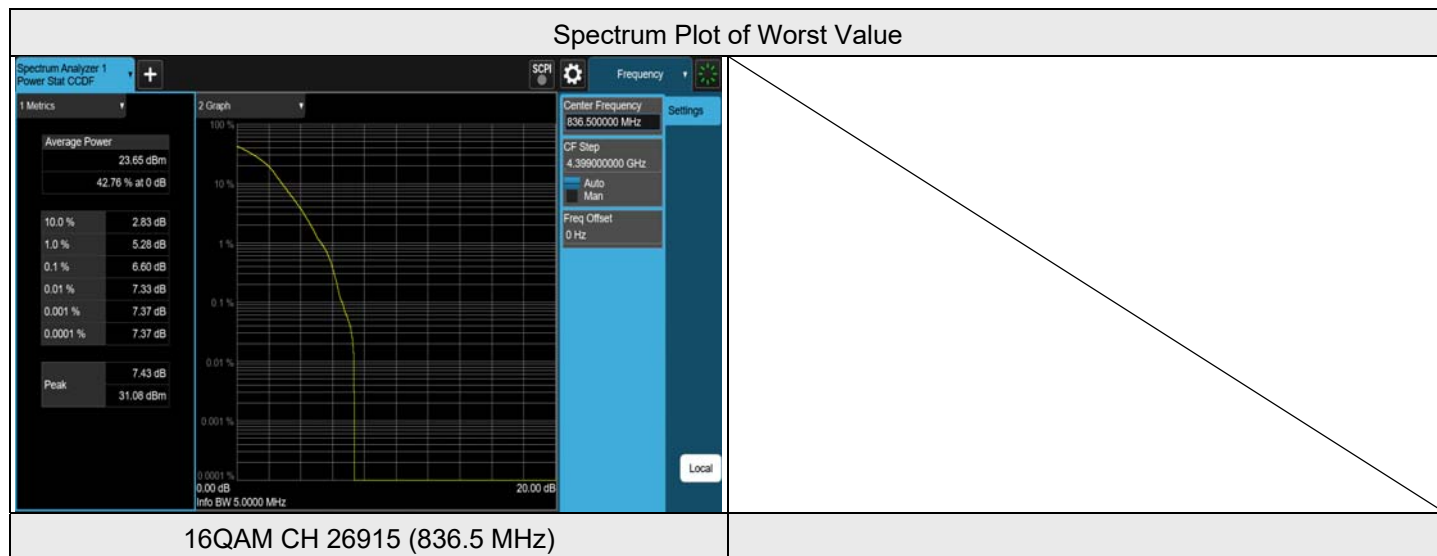
LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26805	825.5	4.96	13	PASS
QPSK	26915	836.5	5.51	13	PASS
QPSK	27025	847.5	5.47	13	PASS
16QAM	26805	825.5	6.17	13	PASS
16QAM	26915	836.5	6.52	13	PASS
16QAM	27025	847.5	6.55	13	PASS



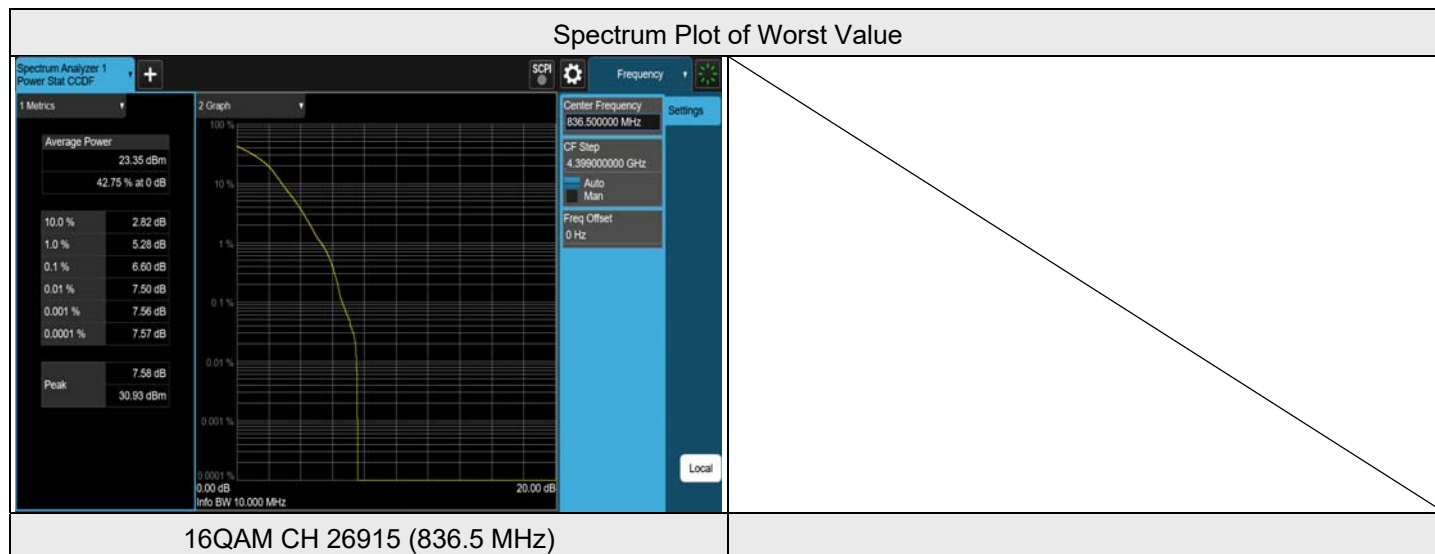
LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26815	826.5	5.13	13	PASS
QPSK	26915	836.5	5.49	13	PASS
QPSK	27015	846.5	5.33	13	PASS
16QAM	26815	826.5	6.13	13	PASS
16QAM	26915	836.5	6.60	13	PASS
16QAM	27015	846.5	6.44	13	PASS



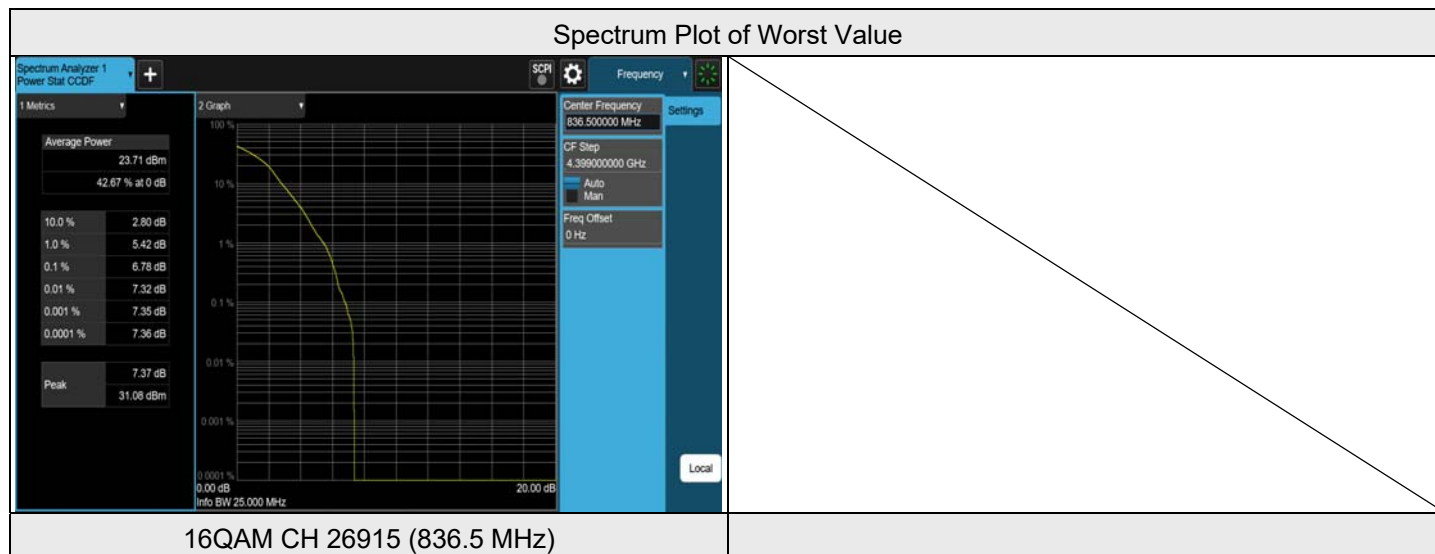
LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26840	829	5.20	13	PASS
QPSK	26915	836.5	5.56	13	PASS
QPSK	26990	844	4.74	13	PASS
16QAM	26840	829	6.08	13	PASS
16QAM	26915	836.5	6.60	13	PASS
16QAM	26990	844	5.93	13	PASS



LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 15 MHz

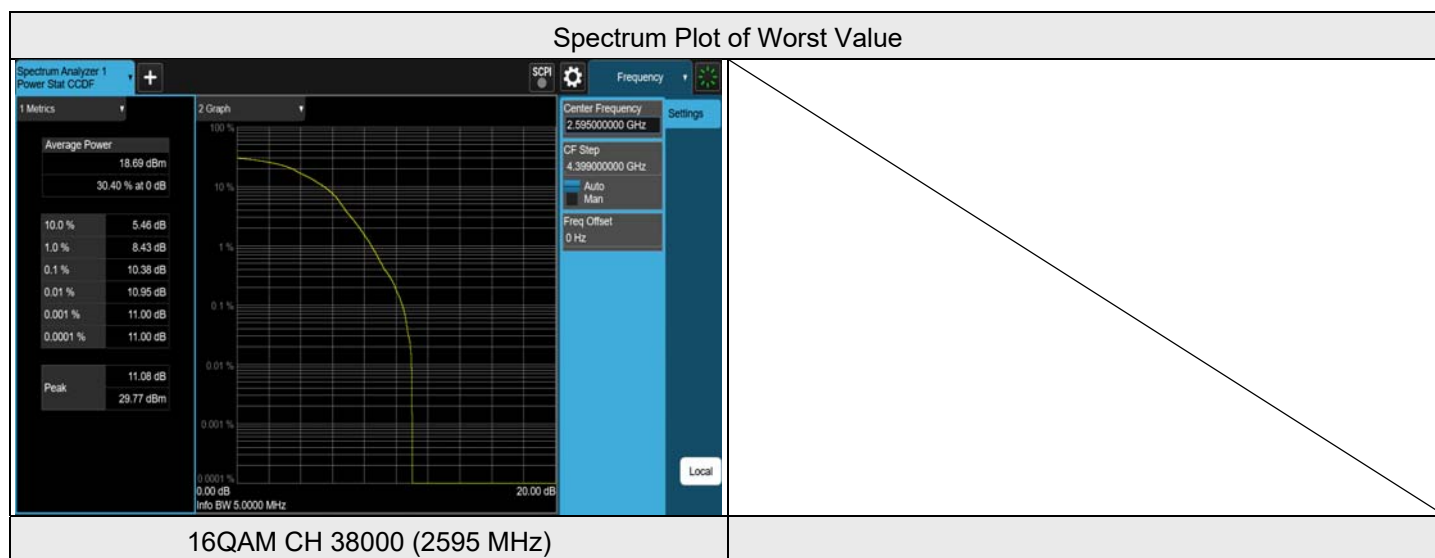
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26865	831.5	5.08	13	PASS
QPSK	26915	836.5	5.52	13	PASS
QPSK	26965	841.5	5.43	13	PASS
16QAM	26865	831.5	6.16	13	PASS
16QAM	26915	836.5	6.78	13	PASS
16QAM	26965	841.5	6.59	13	PASS



7.3.9 LTE Band 38

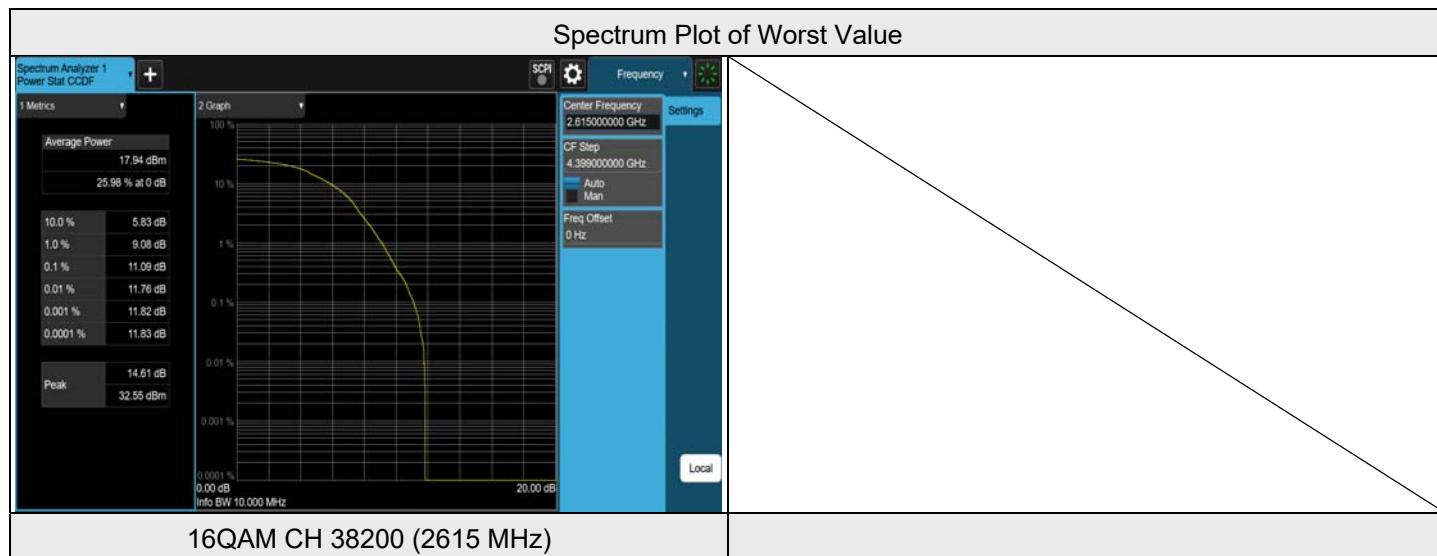
LTE Band 38, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	37775	2572.5	9.13	13	PASS
QPSK	38000	2595	9.66	13	PASS
QPSK	38225	2617.5	9.52	13	PASS
16QAM	37775	2572.5	10.02	13	PASS
16QAM	38000	2595	10.38	13	PASS
16QAM	38225	2617.5	10.27	13	PASS



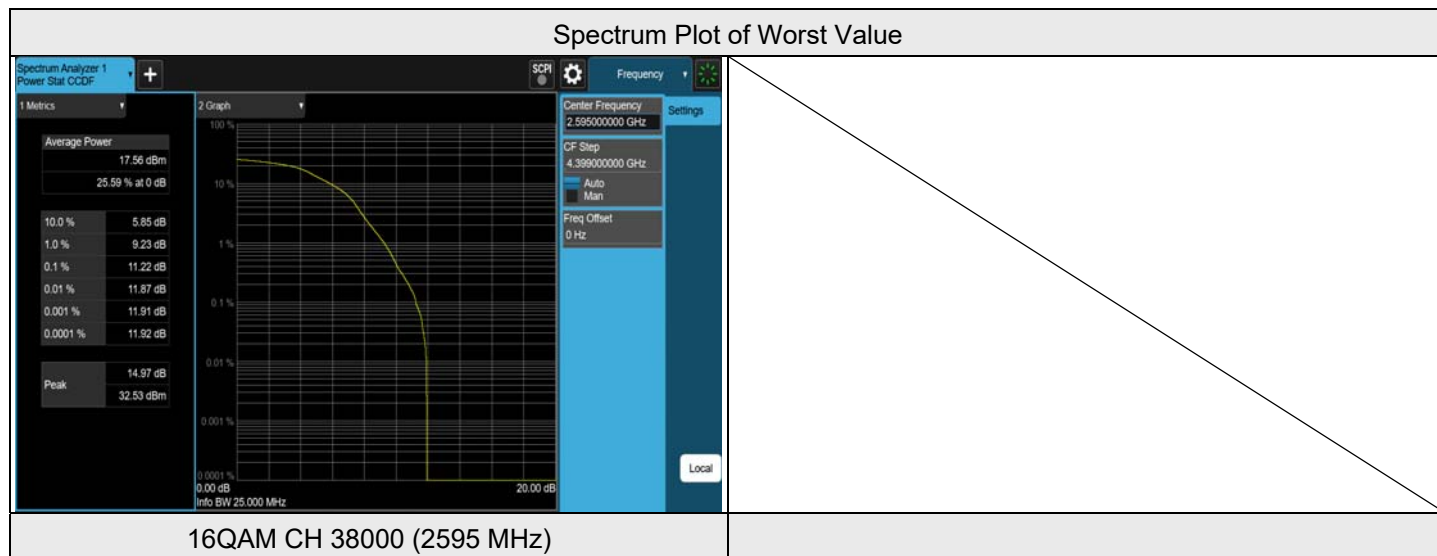
LTE Band 38, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	37800	2575	9.16	13	PASS
QPSK	38000	2595	9.37	13	PASS
QPSK	38200	2615	9.38	13	PASS
16QAM	37800	2575	10.77	13	PASS
16QAM	38000	2595	10.78	13	PASS
16QAM	38200	2615	11.09	13	PASS



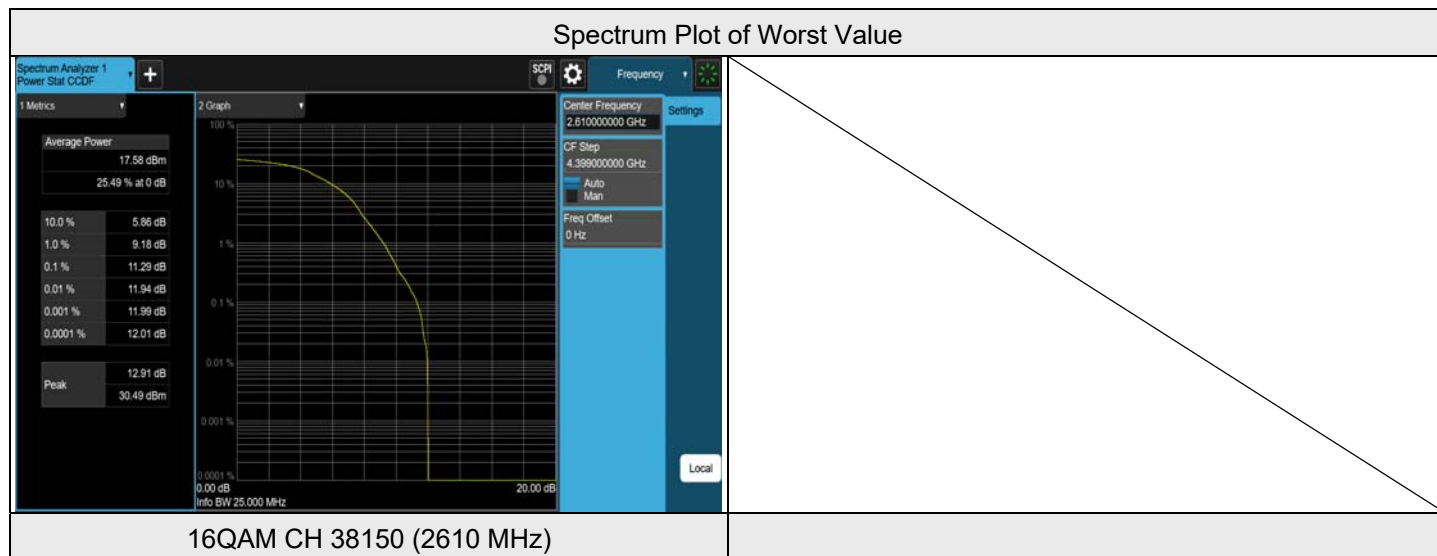
LTE Band 38, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	37825	2577.5	8.75	13	PASS
QPSK	38000	2595	10.34	13	PASS
QPSK	38175	2612.5	8.73	13	PASS
16QAM	37825	2577.5	10.95	13	PASS
16QAM	38000	2595	11.22	13	PASS
16QAM	38175	2612.5	10.74	13	PASS



LTE Band 38, Channel Bandwidth: 20 MHz

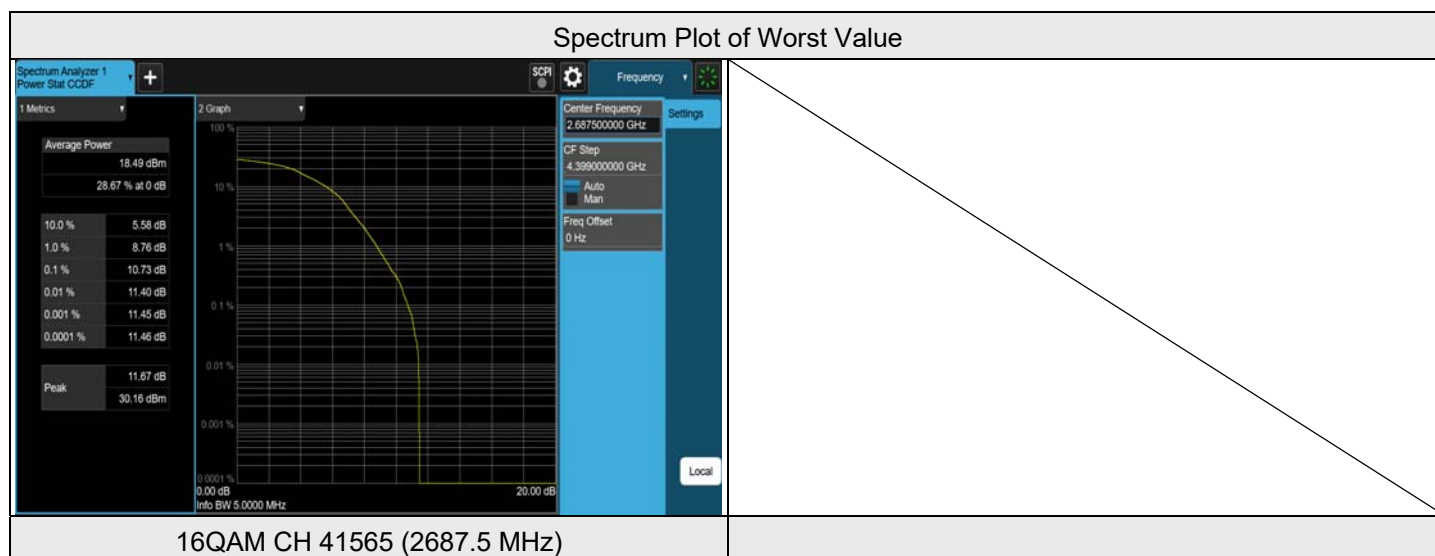
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	37850	2580	10.55	13	PASS
QPSK	38000	2595	10.15	13	PASS
QPSK	38150	2610	9.12	13	PASS
16QAM	37850	2580	10.73	13	PASS
16QAM	38000	2595	10.65	13	PASS
16QAM	38150	2610	11.29	13	PASS



7.3.10LTE Band 41

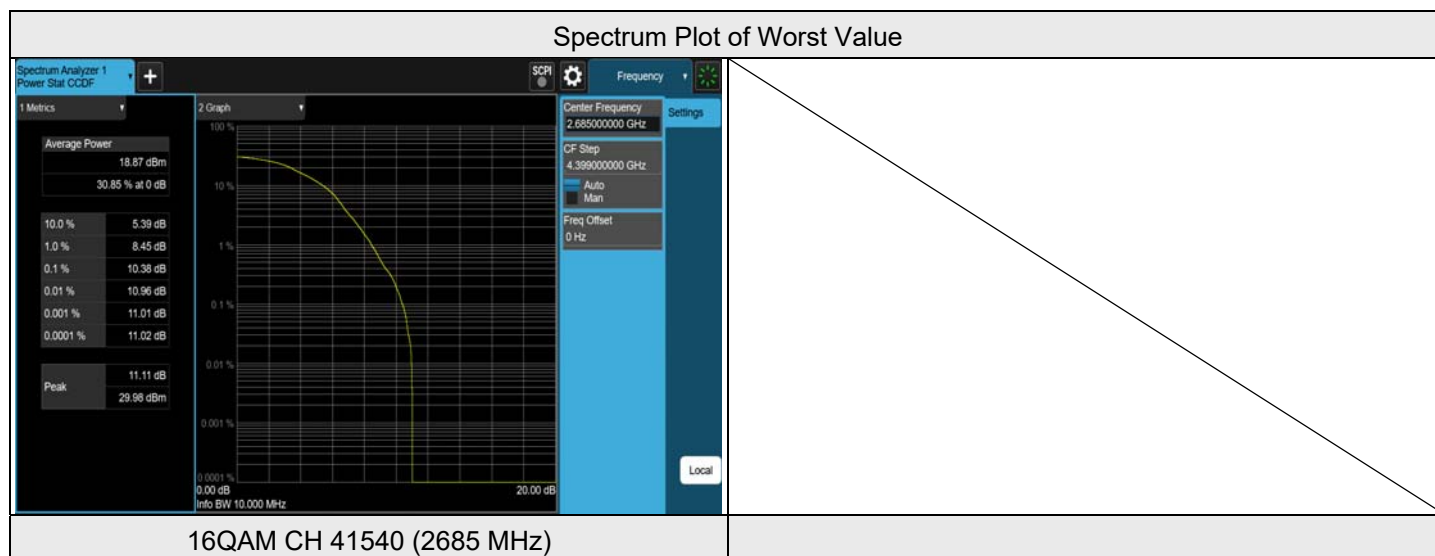
LTE Band 41, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	39675	2498.5	8.73	13	PASS
QPSK	40620	2593	9.41	13	PASS
QPSK	41565	2687.5	9.83	13	PASS
16QAM	39675	2498.5	10.07	13	PASS
16QAM	40620	2593	10.31	13	PASS
16QAM	41565	2687.5	10.73	13	PASS



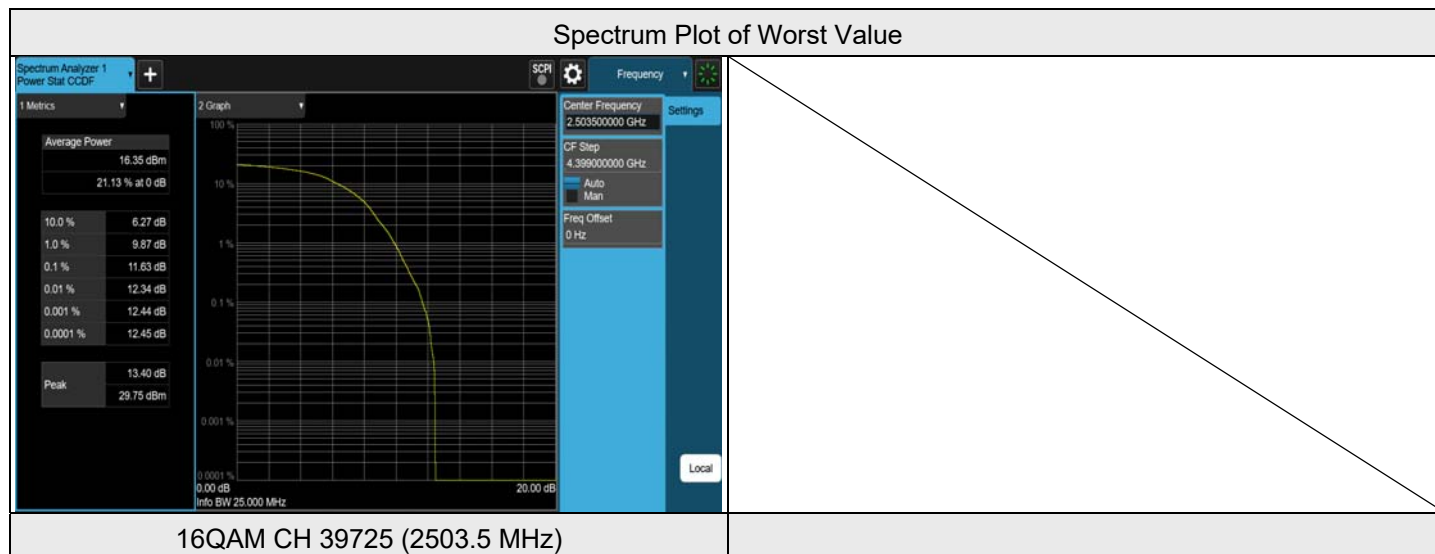
LTE Band 41, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	39700	2501	9.43	13	PASS
QPSK	40620	2593	9.44	13	PASS
QPSK	41540	2685	9.44	13	PASS
16QAM	39700	2501	10.06	13	PASS
16QAM	40620	2593	10.13	13	PASS
16QAM	41540	2685	10.38	13	PASS



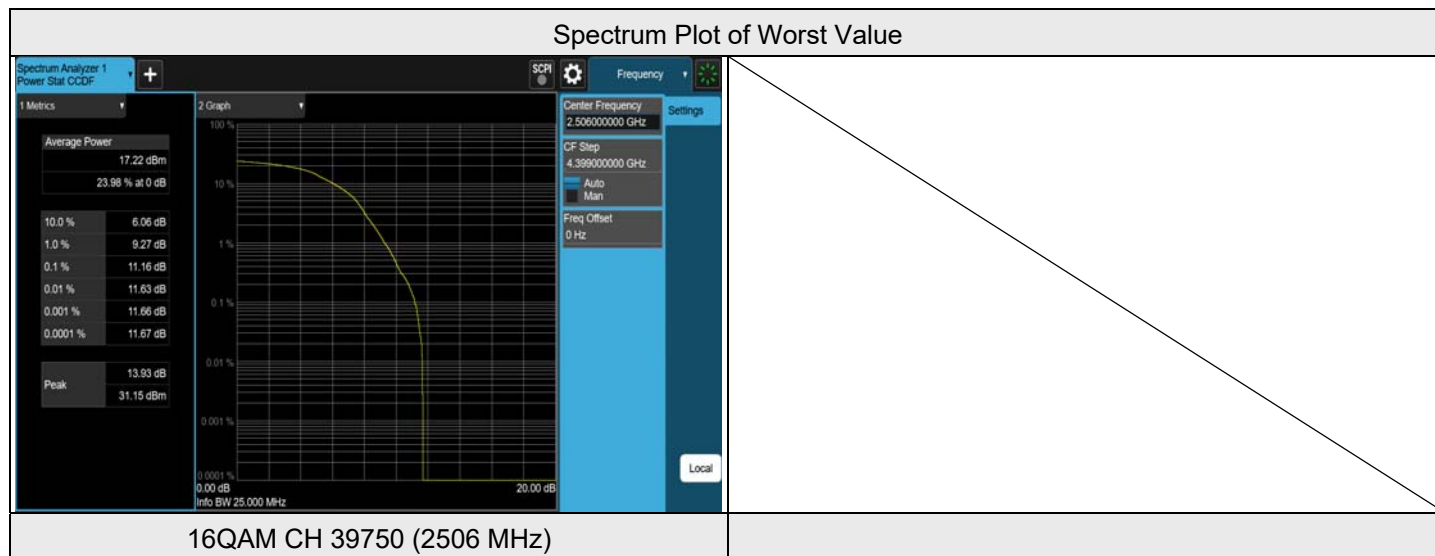
LTE Band 41, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	39725	2503.5	9.80	13	PASS
QPSK	40620	2593	9.24	13	PASS
QPSK	41515	2682.5	9.61	13	PASS
16QAM	39725	2503.5	11.63	13	PASS
16QAM	40620	2593	10.65	13	PASS
16QAM	41515	2682.5	9.82	13	PASS



LTE Band 41, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	39750	2506	9.15	13	PASS
QPSK	40620	2593	10.79	13	PASS
QPSK	41490	2680	10.02	13	PASS
16QAM	39750	2506	11.16	13	PASS
16QAM	40620	2593	10.30	13	PASS
16QAM	41490	2680	10.26	13	PASS

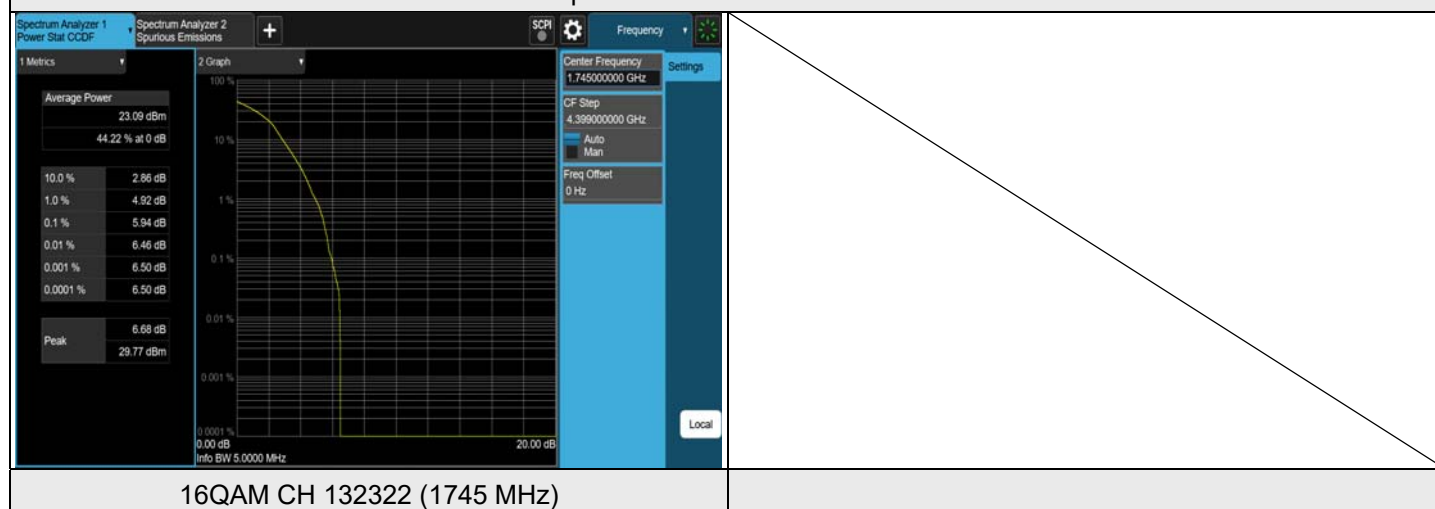


7.3.11LTE Band 66

LTE Band 66, Channel Bandwidth: 1.4 MHz

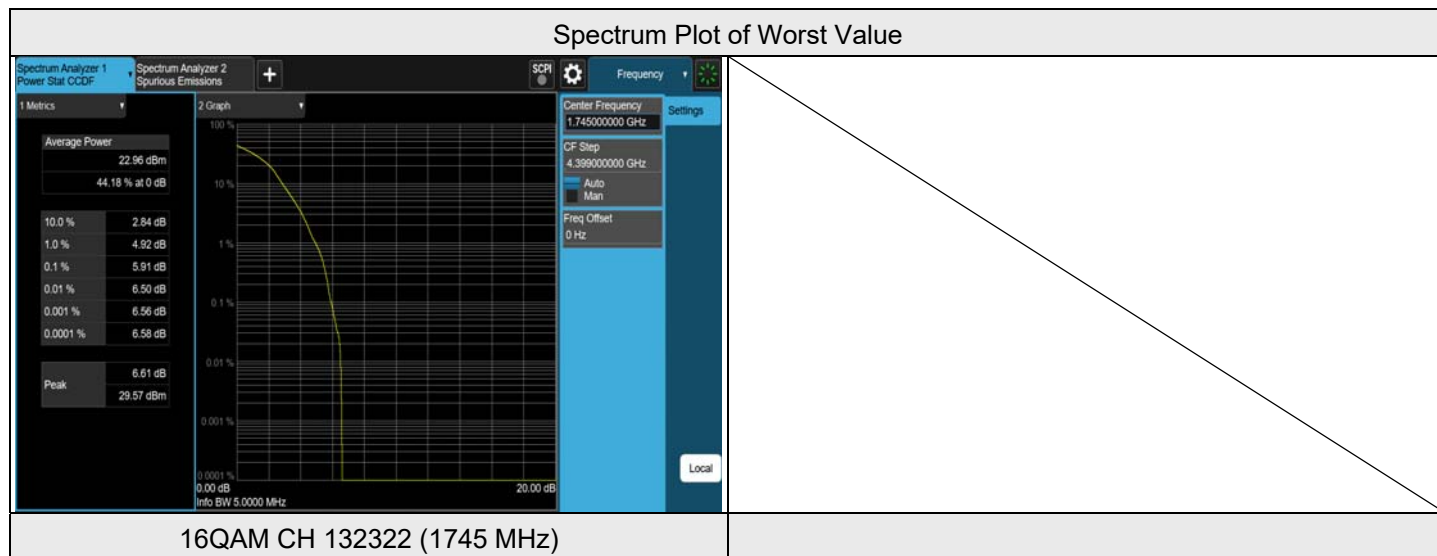
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	131979	1710.7	4.59	13	PASS
QPSK	132322	1745	4.90	13	PASS
QPSK	132665	1779.3	4.06	13	PASS
16QAM	131979	1710.7	5.65	13	PASS
16QAM	132322	1745	5.94	13	PASS
16QAM	132665	1779.3	5.10	13	PASS

Spectrum Plot of Worst Value



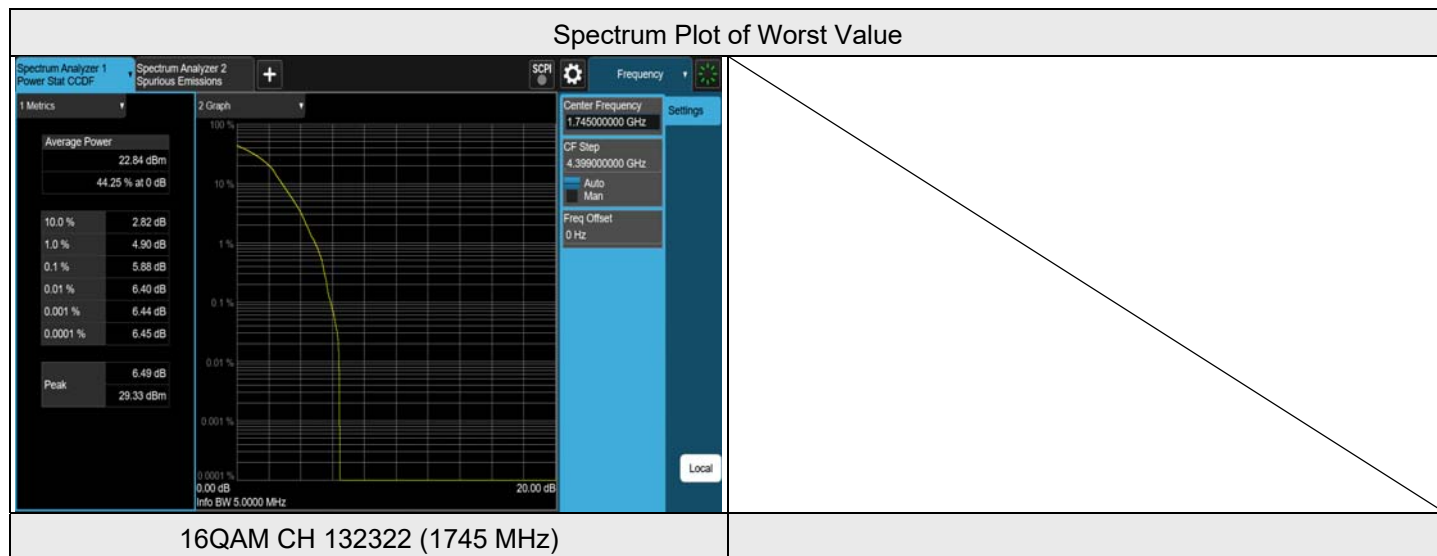
LTE Band 66, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	131987	1711.5	4.75	13	PASS
QPSK	132322	1745	4.93	13	PASS
QPSK	132657	1778.5	4.32	13	PASS
16QAM	131987	1711.5	5.68	13	PASS
16QAM	132322	1745	5.91	13	PASS
16QAM	132657	1778.5	5.39	13	PASS



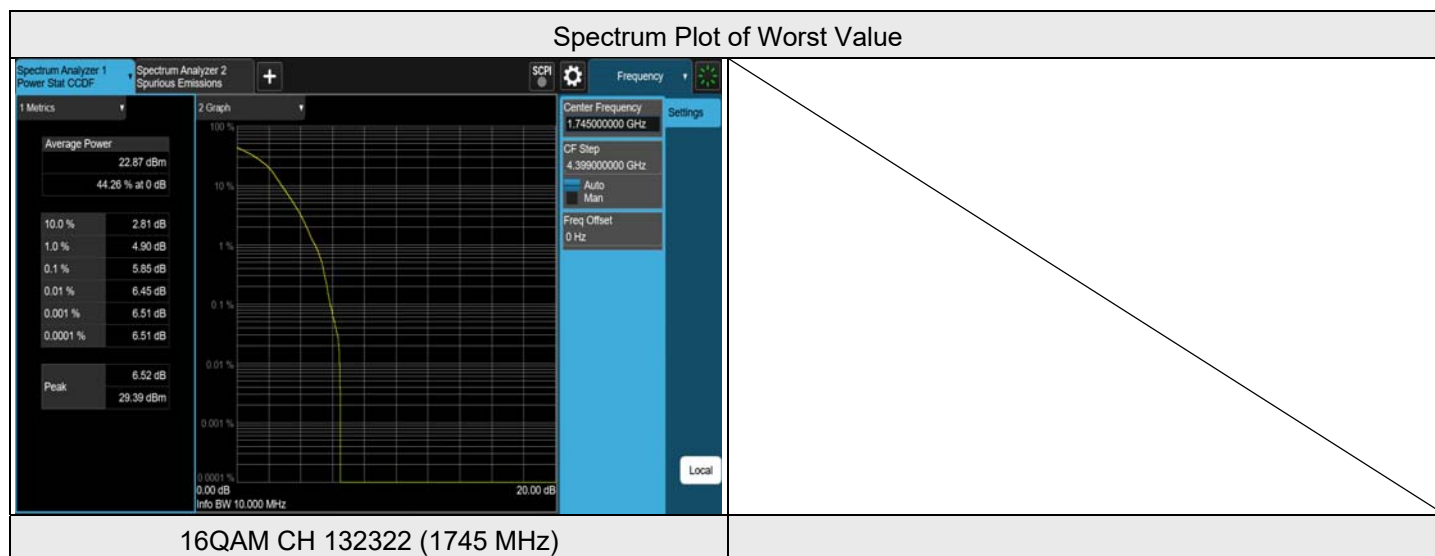
LTE Band 66, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	131997	1712.5	4.57	13	PASS
QPSK	132322	1745	4.86	13	PASS
QPSK	132647	1777.5	4.40	13	PASS
16QAM	131997	1712.5	5.45	13	PASS
16QAM	132322	1745	5.88	13	PASS
16QAM	132647	1777.5	5.49	13	PASS



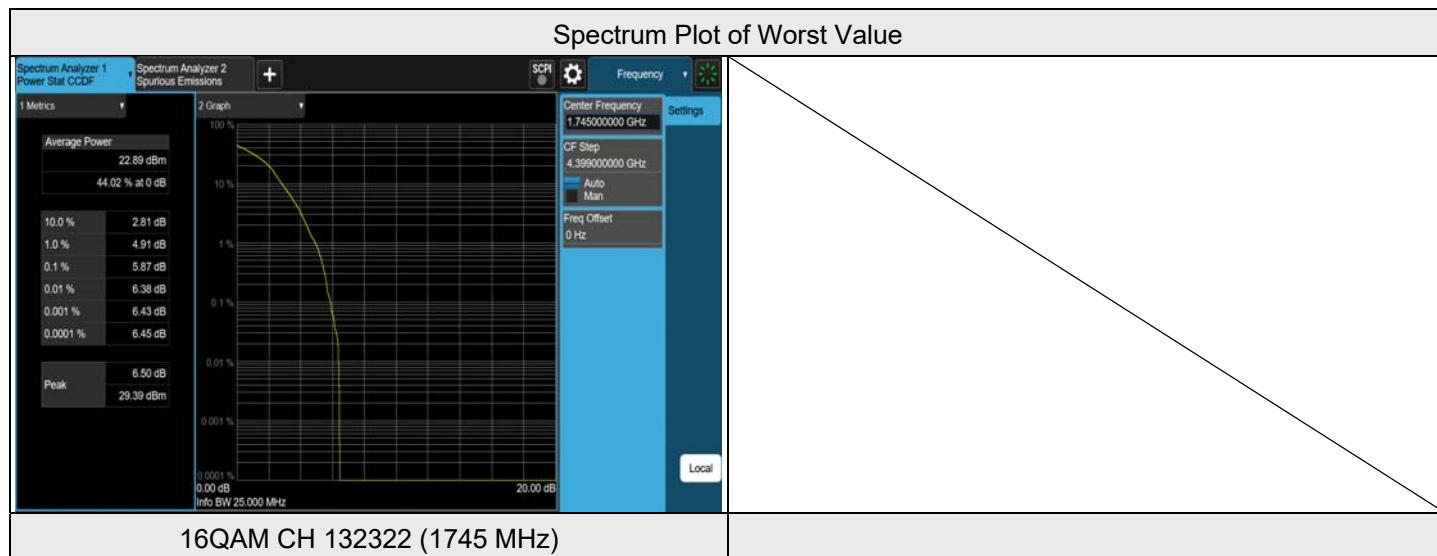
LTE Band 66, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	132022	1715	4.65	13	PASS
QPSK	132322	1745	4.83	13	PASS
QPSK	132622	1775	4.31	13	PASS
16QAM	132022	1715	5.58	13	PASS
16QAM	132322	1745	5.85	13	PASS
16QAM	132622	1775	5.38	13	PASS



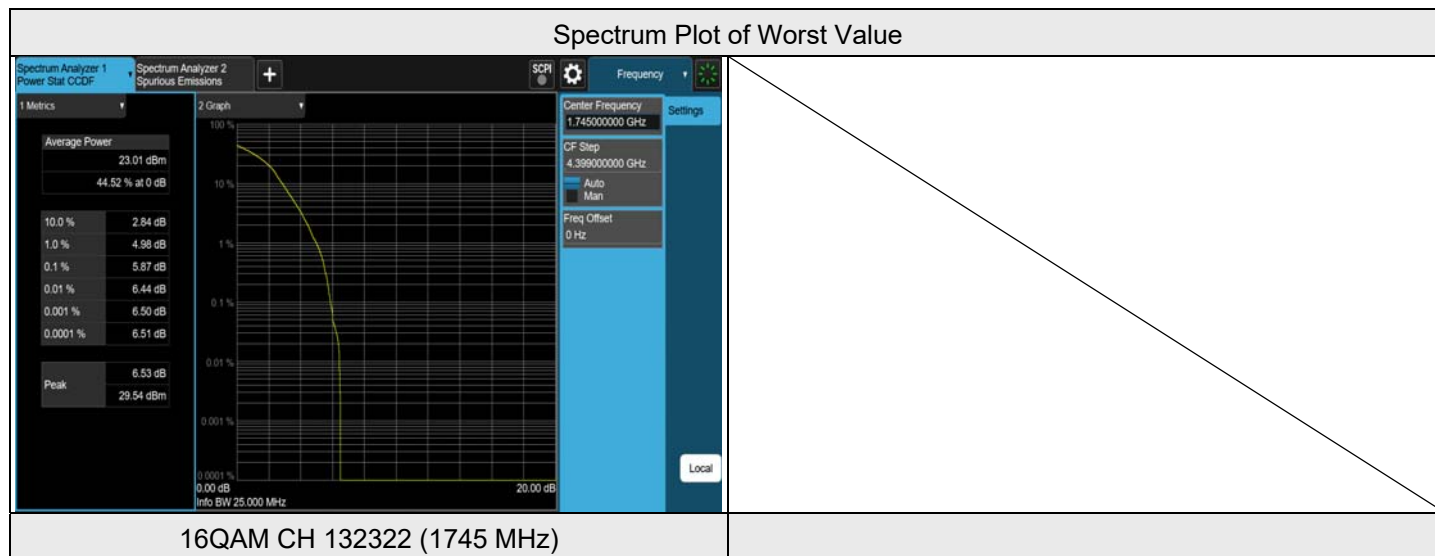
LTE Band 66, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	132047	1717.5	4.57	13	PASS
QPSK	132322	1745	4.88	13	PASS
QPSK	132597	1772.5	4.09	13	PASS
16QAM	132047	1717.5	5.60	13	PASS
16QAM	132322	1745	5.87	13	PASS
16QAM	132597	1772.5	5.02	13	PASS



LTE Band 66, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	132072	1720	4.57	13	PASS
QPSK	132322	1745	4.82	13	PASS
QPSK	132572	1770	3.90	13	PASS
16QAM	132072	1720	5.42	13	PASS
16QAM	132322	1745	5.87	13	PASS
16QAM	132572	1770	4.92	13	PASS



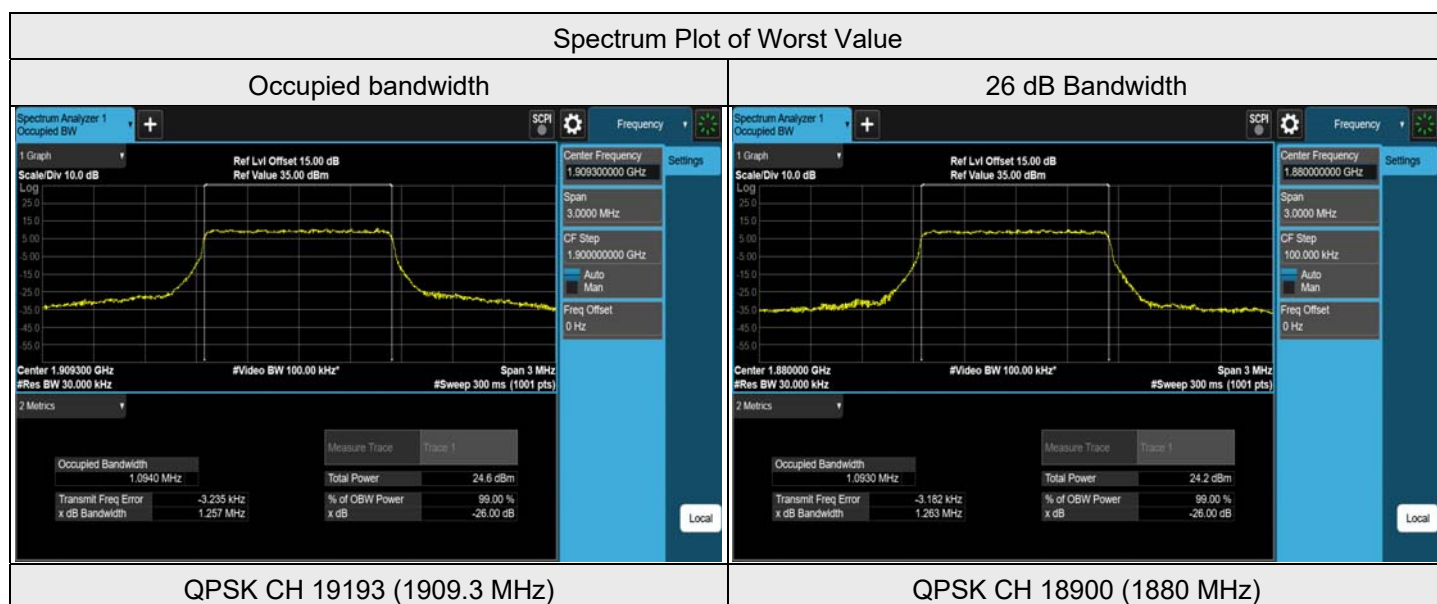
7.4 Bandwidth

Input Power:	7.20 Vdc	Environmental Conditions:	25°C, 65% RH	Tested By:	Charles Hsiao
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7.4.1 LTE Band 2

LTE Band 2, Channel Bandwidth: 1.4 MHz

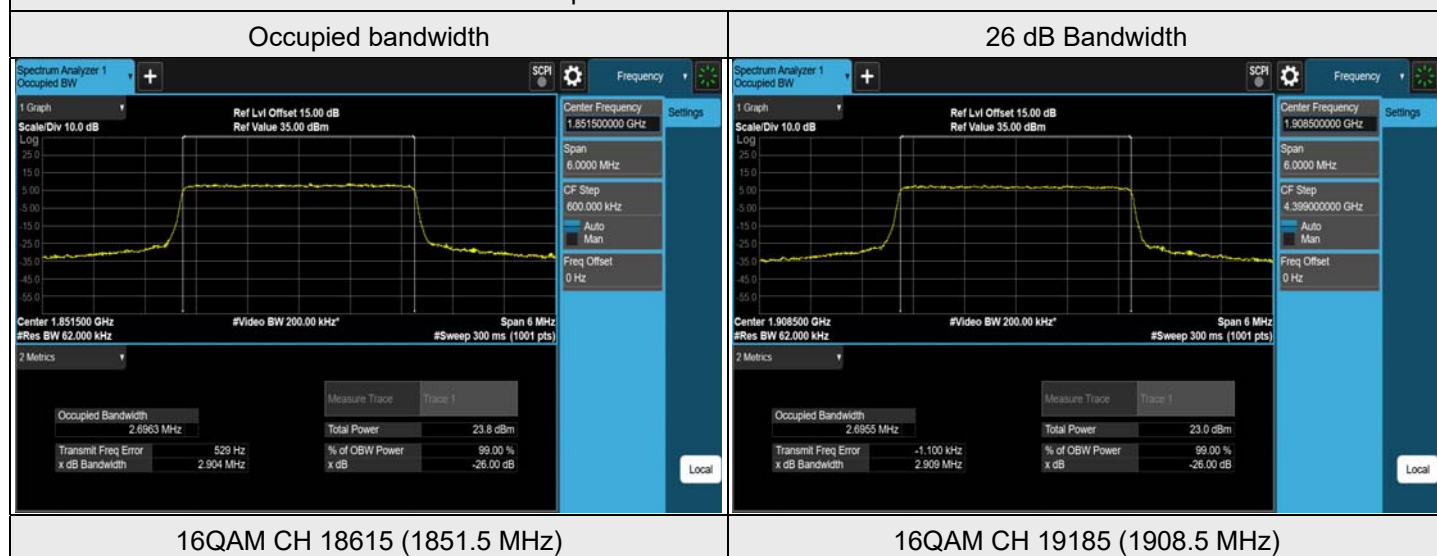
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18607	1850.7	1.0884	1.253
QPSK	18900	1880	1.0930	1.263
QPSK	19193	1909.3	1.0940	1.257
16QAM	18607	1850.7	1.0877	1.252
16QAM	18900	1880	1.0880	1.247
16QAM	19193	1909.3	1.0904	1.240



LTE Band 2, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18615	1851.5	2.6955	2.890
QPSK	18900	1880	2.6959	2.898
QPSK	19185	1908.5	2.6947	2.901
16QAM	18615	1851.5	2.6963	2.904
16QAM	18900	1880	2.6942	2.908
16QAM	19185	1908.5	2.6955	2.909

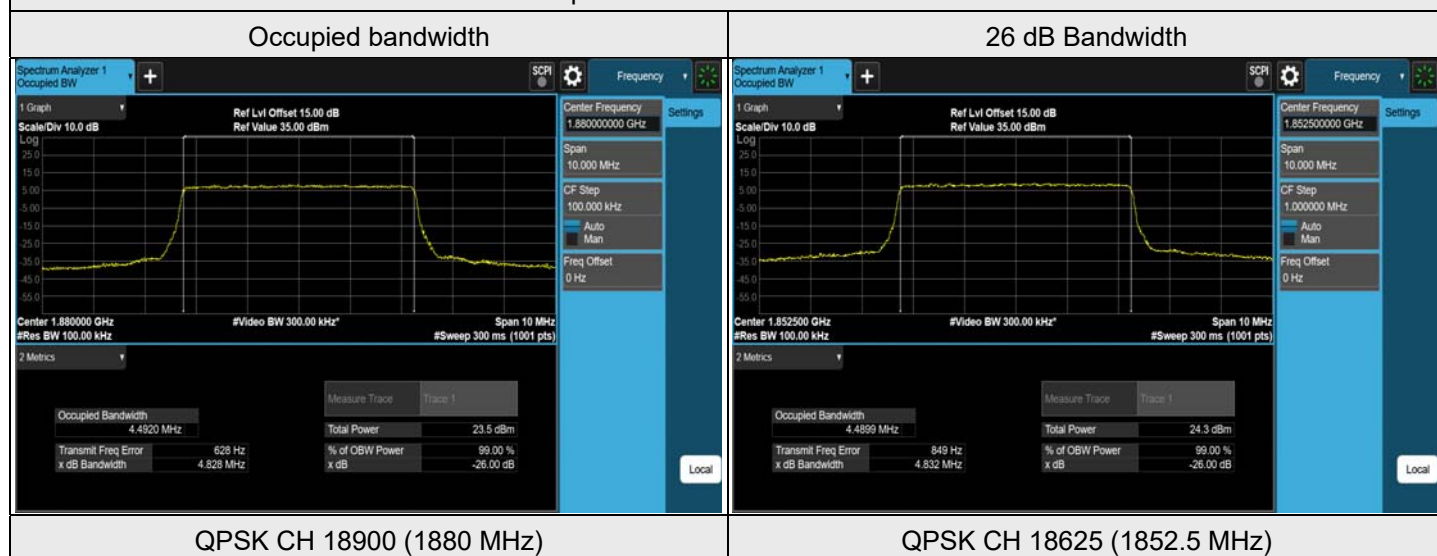
Spectrum Plot of Worst Value



LTE Band 2, Channel Bandwidth: 5 MHz

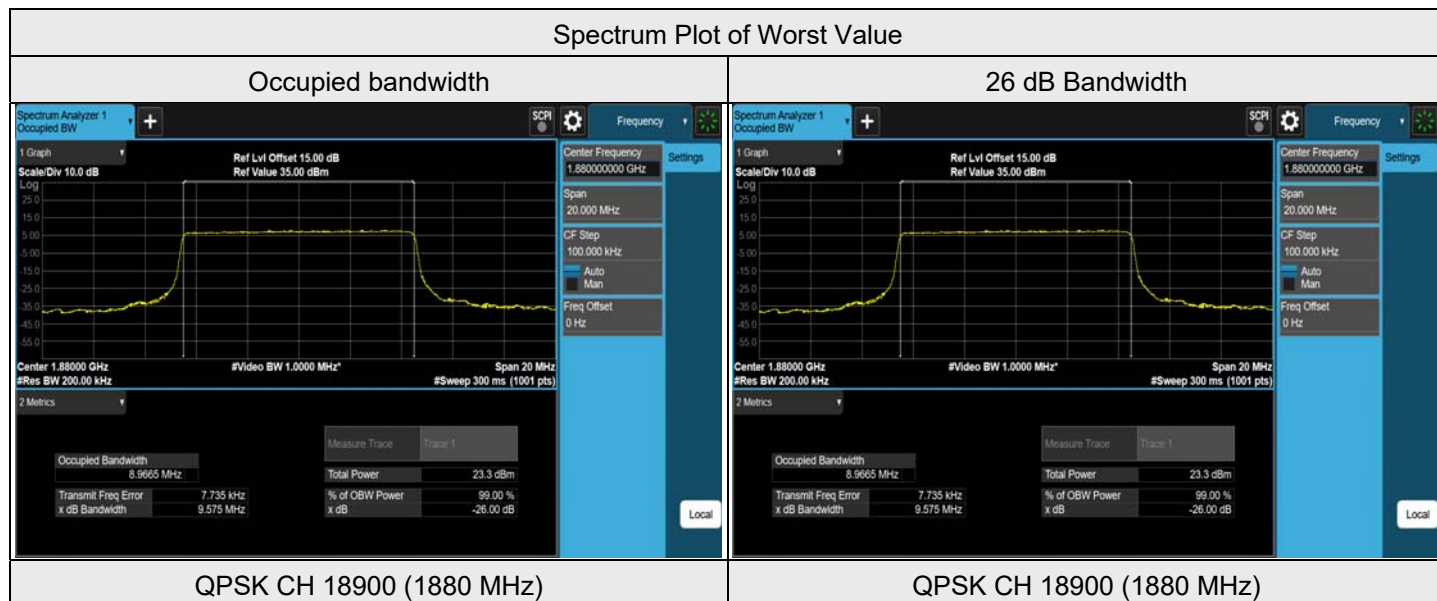
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18625	1852.5	4.4899	4.832
QPSK	18900	1880	4.4920	4.828
QPSK	19175	1907.5	4.4887	4.824
16QAM	18625	1852.5	4.4873	4.797
16QAM	18900	1880	4.4860	4.806
16QAM	19175	1907.5	4.4854	4.809

Spectrum Plot of Worst Value



LTE Band 2, Channel Bandwidth: 10 MHz

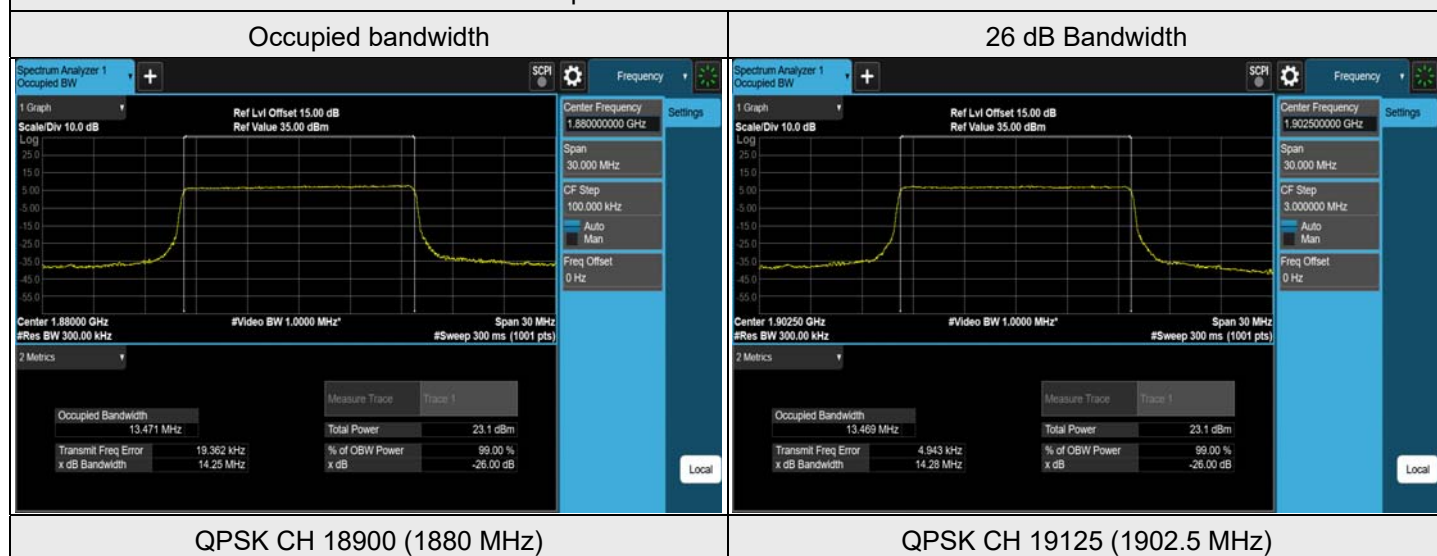
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18650	1855	8.9589	9.560
QPSK	18900	1880	8.9665	9.575
QPSK	19150	1905	8.9644	9.564
16QAM	18650	1855	4.5685	5.061
16QAM	18900	1880	4.5731	5.071
16QAM	19150	1905	4.5716	5.085



LTE Band 2, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18675	1857.5	13.4695	14.262
QPSK	18900	1880	13.4706	14.252
QPSK	19125	1902.5	13.4686	14.282
16QAM	18675	1857.5	4.6706	5.284
16QAM	18900	1880	4.6753	5.303
16QAM	19125	1902.5	4.6832	5.297

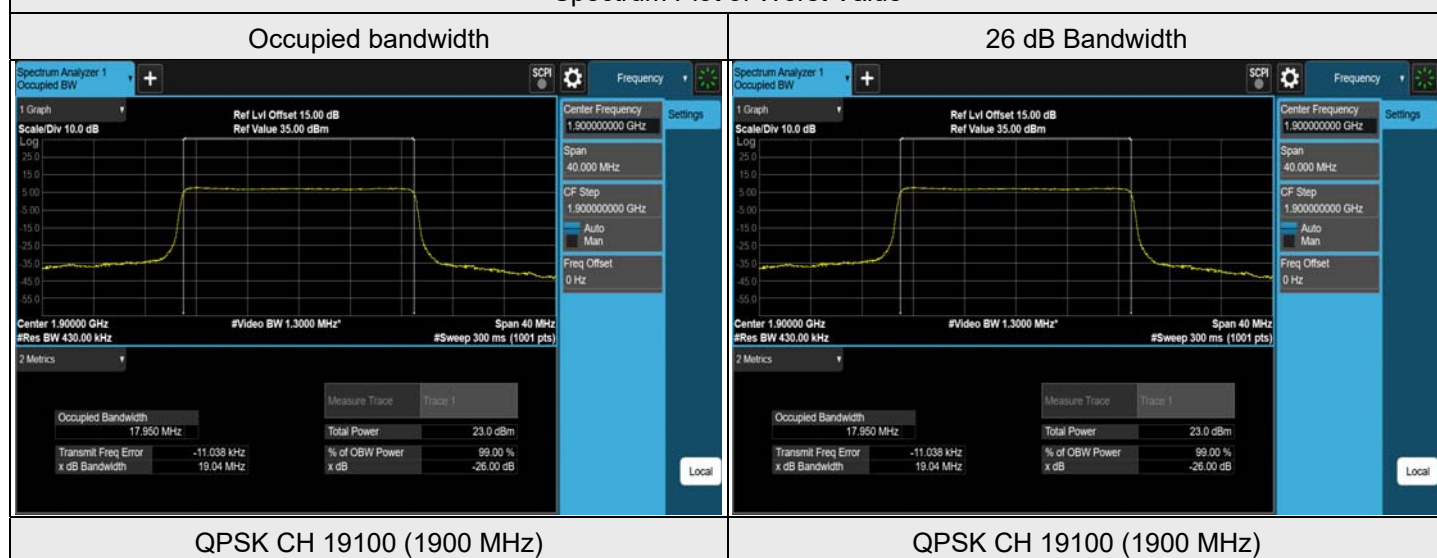
Spectrum Plot of Worst Value



LTE Band 2, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18700	1860	17.9103	19.032
QPSK	18900	1880	17.9398	19.035
QPSK	19100	1900	17.9499	19.040
16QAM	18700	1860	4.8061	5.557
16QAM	18900	1880	4.8040	5.571
16QAM	19100	1900	4.8049	5.552

Spectrum Plot of Worst Value

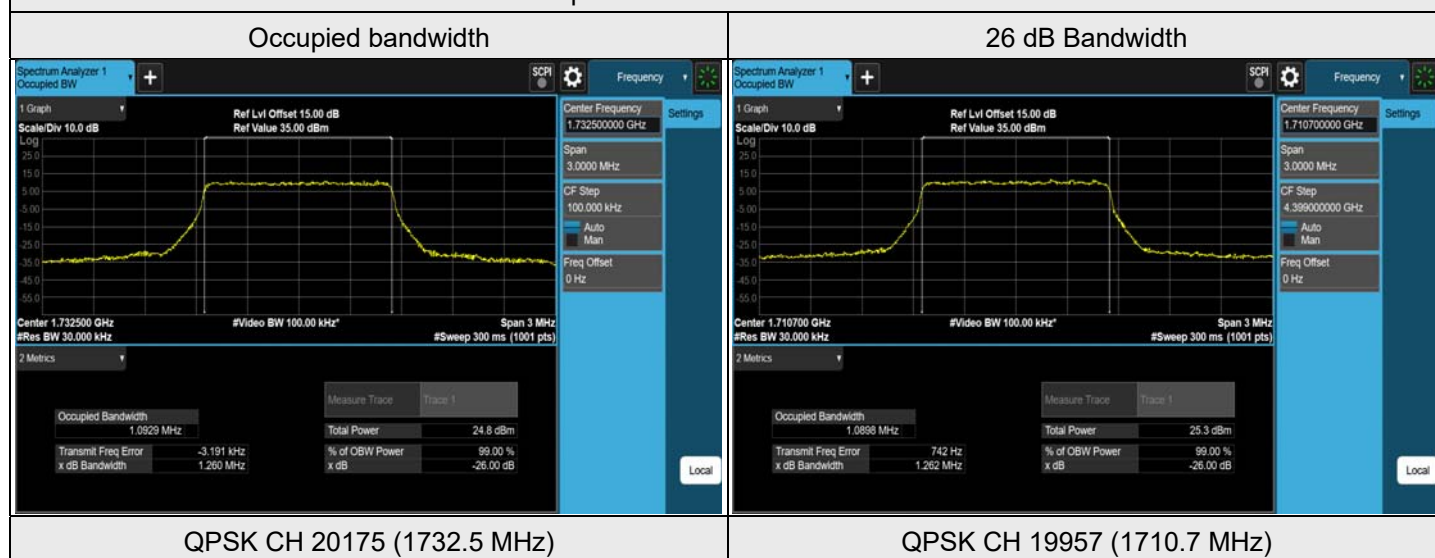


7.4.2 LTE Band 4

LTE Band 4, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	19957	1710.7	1.0898	1.262
QPSK	20175	1732.5	1.0929	1.260
QPSK	20393	1754.3	1.0916	1.262
16QAM	19957	1710.7	1.0903	1.251
16QAM	20175	1732.5	1.0892	1.258
16QAM	20393	1754.3	1.0911	1.260

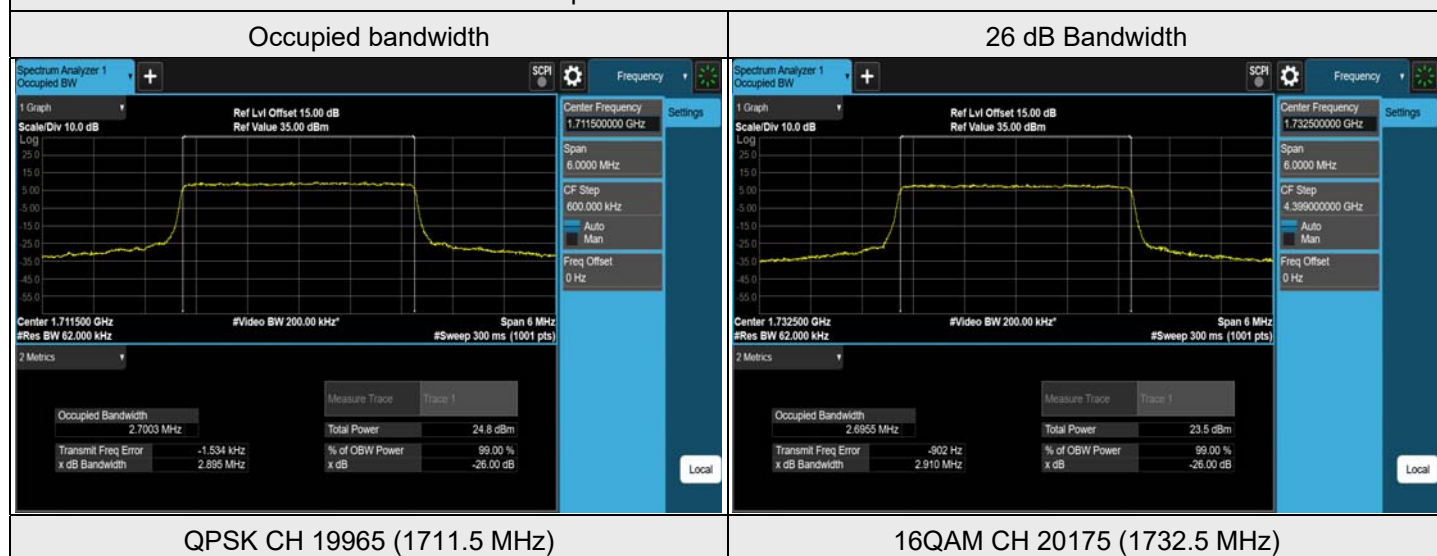
Spectrum Plot of Worst Value



LTE Band 4, Channel Bandwidth: 3 MHz

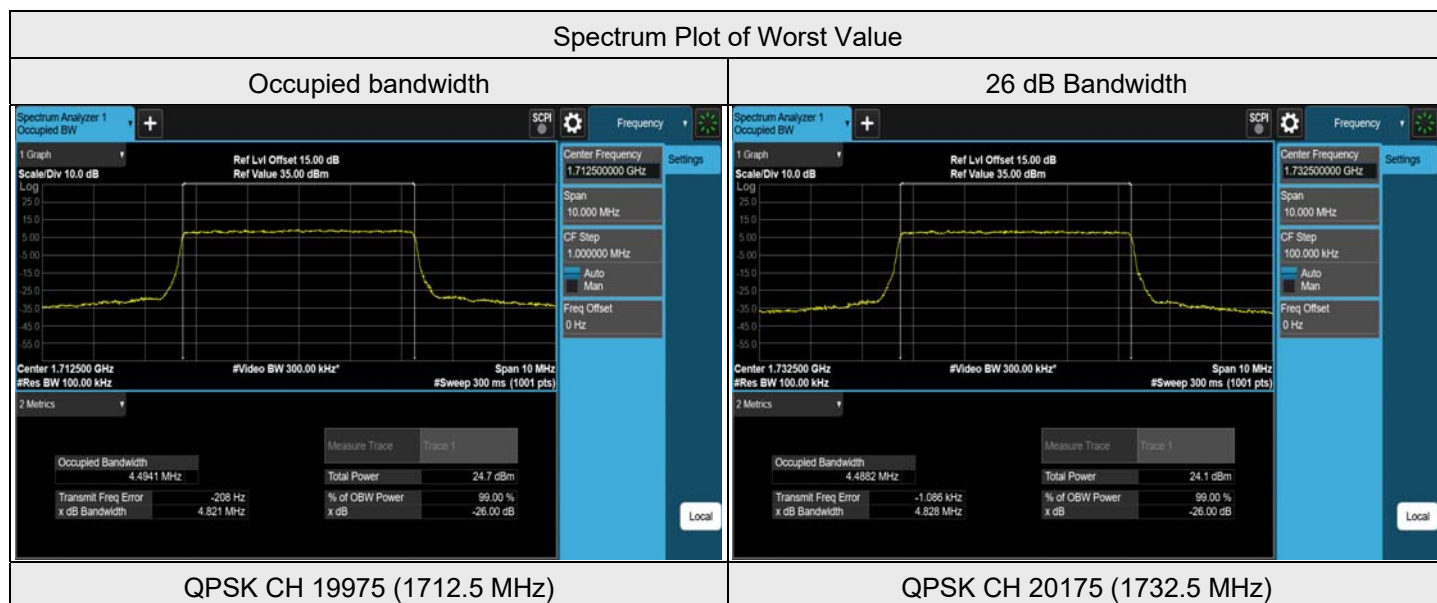
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	19965	1711.5	2.7003	2.895
QPSK	20175	1732.5	2.6971	2.886
QPSK	20385	1753.5	2.6988	2.908
16QAM	19965	1711.5	2.6969	2.905
16QAM	20175	1732.5	2.6955	2.910
16QAM	20385	1753.5	2.6953	2.910

Spectrum Plot of Worst Value



LTE Band 4, Channel Bandwidth: 5 MHz

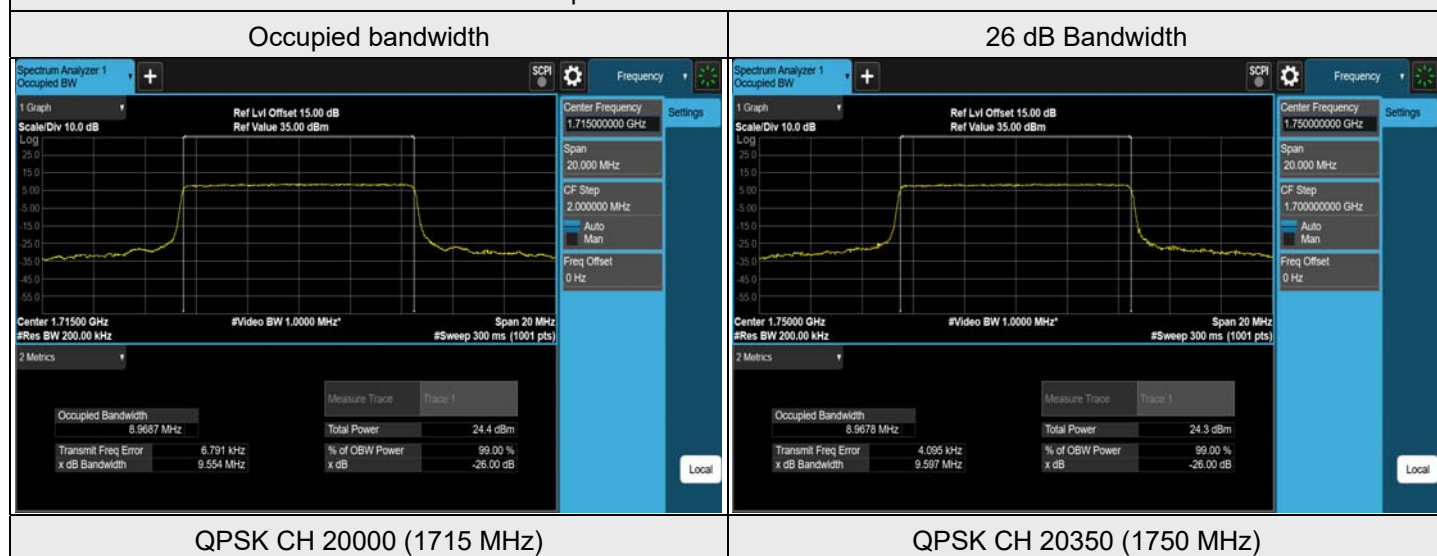
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	19975	1712.5	4.4941	4.821
QPSK	20175	1732.5	4.4882	4.828
QPSK	20375	1752.5	4.4896	4.817
16QAM	19975	1712.5	4.4853	4.812
16QAM	20175	1732.5	4.4859	4.814
16QAM	20375	1752.5	4.4888	4.805



LTE Band 4, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20000	1715	8.9687	9.554
QPSK	20175	1732.5	8.9667	9.538
QPSK	20350	1750	8.9678	9.597
16QAM	20000	1715	4.5697	5.069
16QAM	20175	1732.5	4.5717	5.084
16QAM	20350	1750	4.5776	5.083

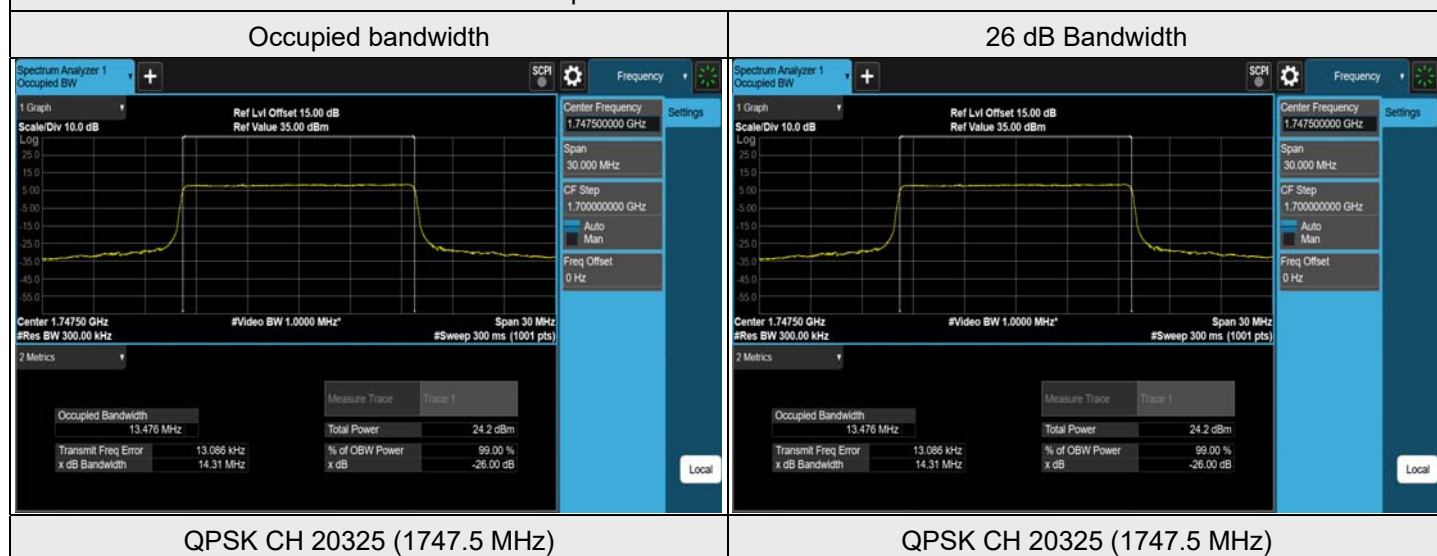
Spectrum Plot of Worst Value



LTE Band 4, Channel Bandwidth: 15 MHz

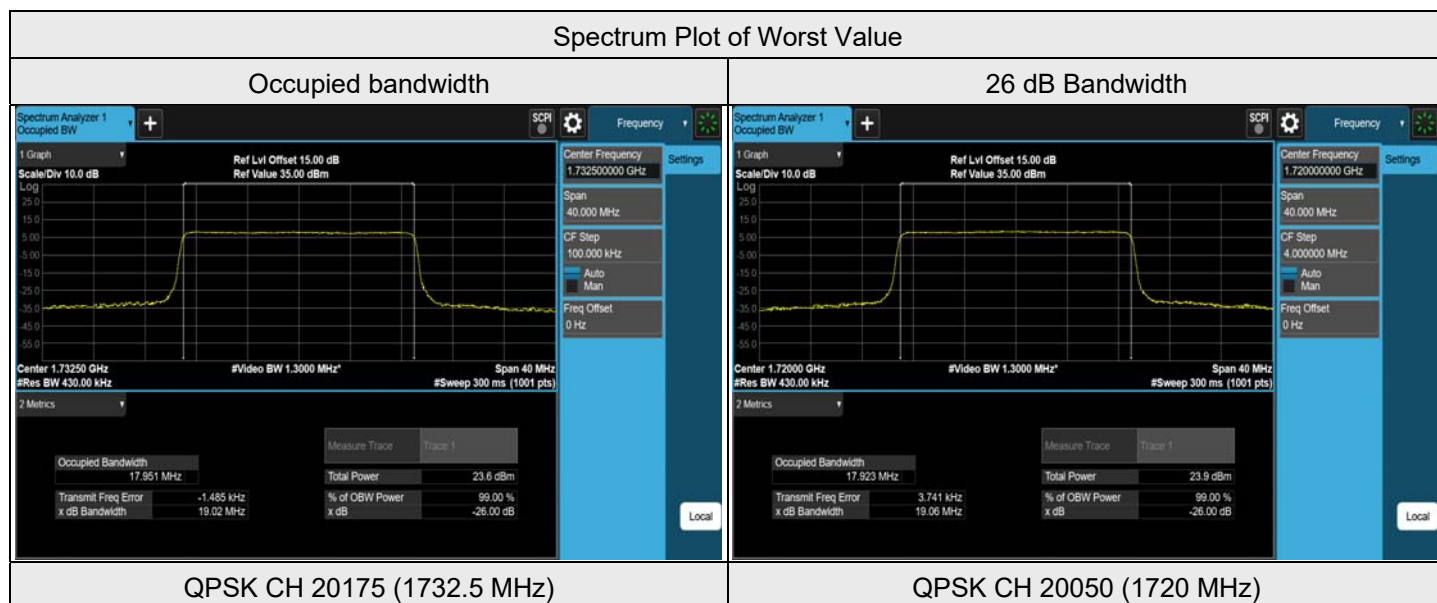
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20025	1717.5	13.4579	14.292
QPSK	20175	1732.5	13.4667	14.302
QPSK	20325	1747.5	13.4764	14.309
16QAM	20025	1717.5	4.6851	5.281
16QAM	20175	1732.5	4.6807	5.279
16QAM	20325	1747.5	4.6776	5.299

Spectrum Plot of Worst Value



LTE Band 4, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20050	1720	17.9234	19.058
QPSK	20175	1732.5	17.9508	19.022
QPSK	20300	1745	17.9416	19.043
16QAM	20050	1720	4.8103	5.562
16QAM	20175	1732.5	4.8069	5.573
16QAM	20300	1745	4.8034	5.558

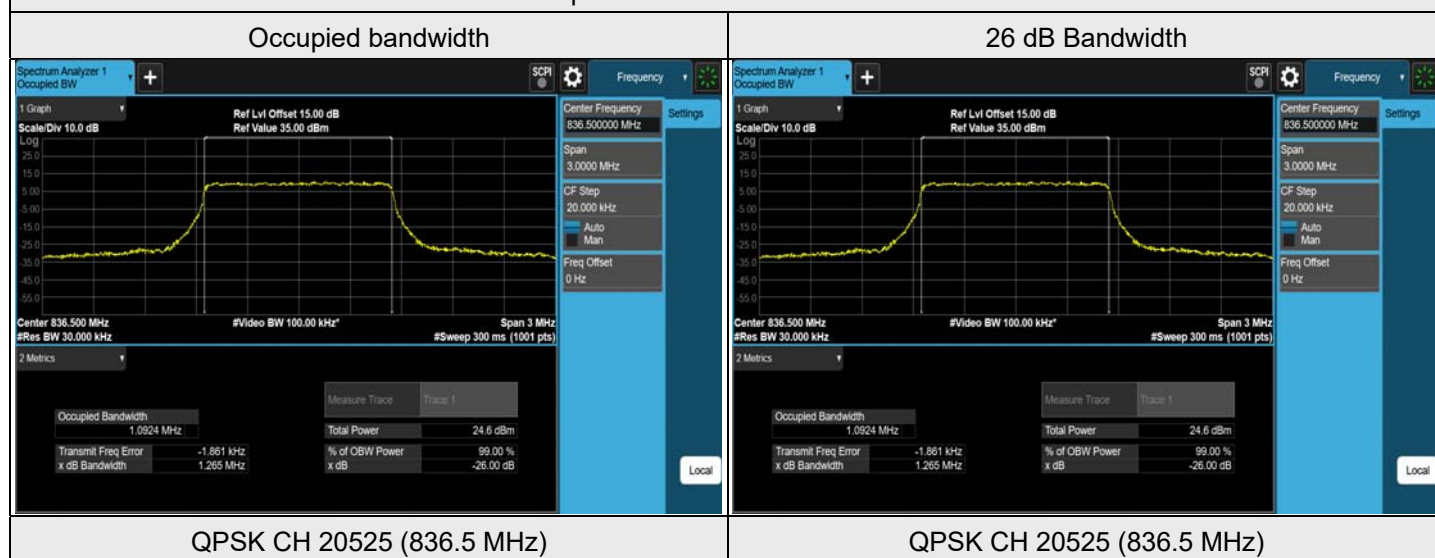


7.4.3 LTE Band 5

LTE Band 5, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20407	824.7	1.0888	1.258
QPSK	20525	836.5	1.0924	1.265
QPSK	20643	848.3	1.0923	1.264
16QAM	20407	824.7	1.0902	1.246
16QAM	20525	836.5	1.0898	1.253
16QAM	20643	848.3	1.0887	1.246

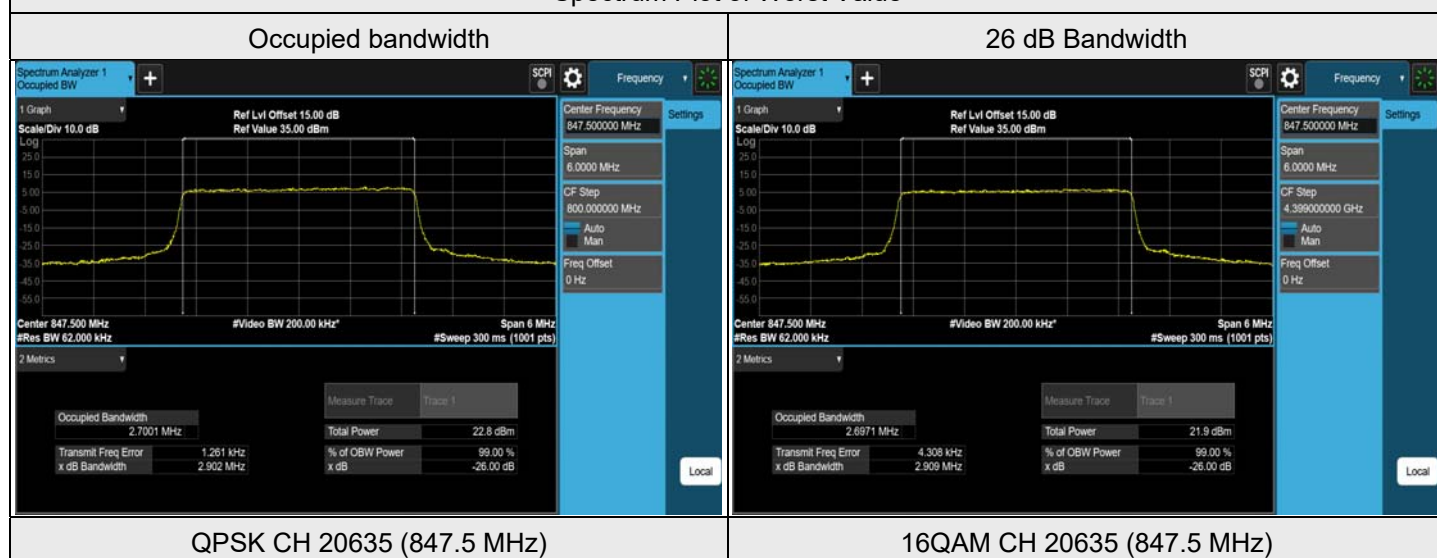
Spectrum Plot of Worst Value



LTE Band 5, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20415	825.5	2.6994	2.903
QPSK	20525	836.5	2.6967	2.901
QPSK	20635	847.5	2.7001	2.902
16QAM	20415	825.5	2.6955	2.907
16QAM	20525	836.5	2.6948	2.902
16QAM	20635	847.5	2.6971	2.909

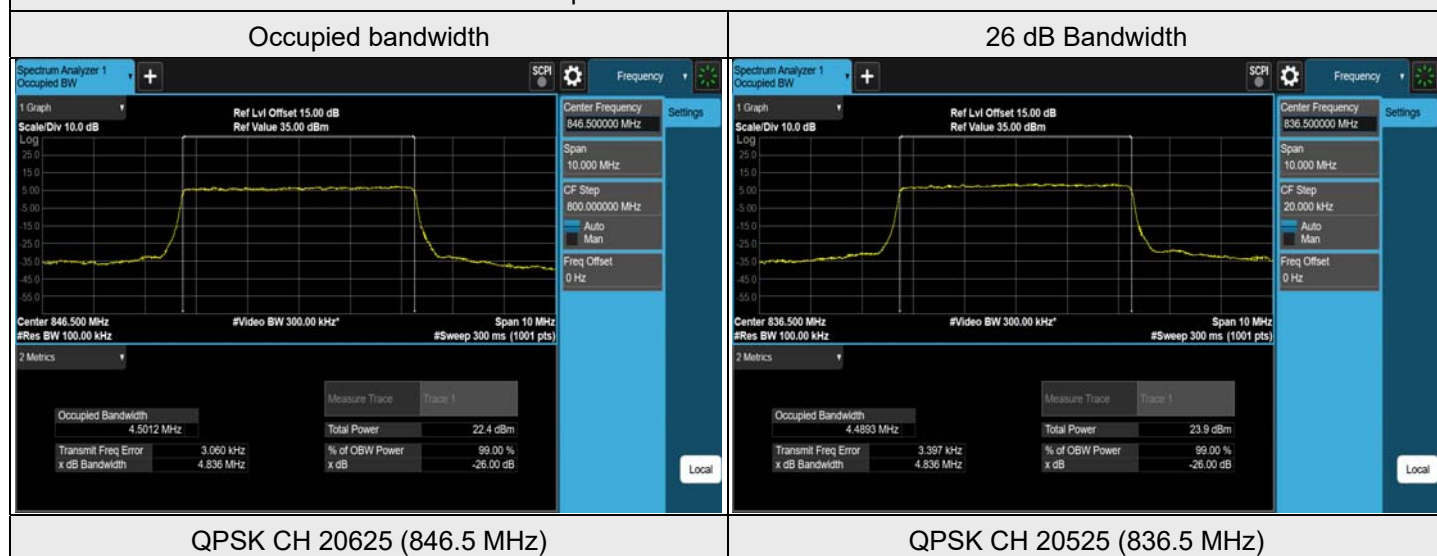
Spectrum Plot of Worst Value



LTE Band 5, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20425	826.5	4.4951	4.823
QPSK	20525	836.5	4.4893	4.836
QPSK	20625	846.5	4.5012	4.836
16QAM	20425	826.5	4.4899	4.825
16QAM	20525	836.5	4.4849	4.795
16QAM	20625	846.5	4.4963	4.832

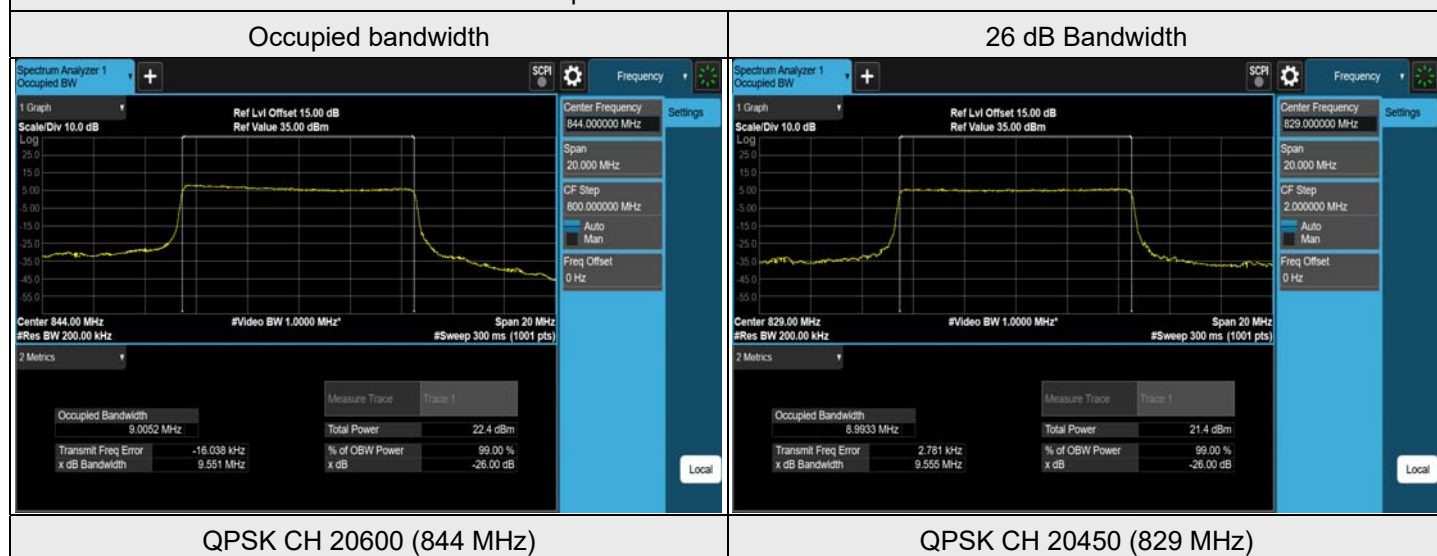
Spectrum Plot of Worst Value



LTE Band 5, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20450	829	8.9933	9.555
QPSK	20525	836.5	8.9336	9.500
QPSK	20600	844	9.0052	9.551
16QAM	20450	829	4.5644	5.068
16QAM	20525	836.5	4.5735	5.063
16QAM	20600	844	4.5647	5.058

Spectrum Plot of Worst Value



7.4.4 LTE Band 7

LTE Band 7, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20775	2502.5	4.4909	4.820
QPSK	21100	2535	4.4941	4.833
QPSK	21425	2567.5	4.4956	4.816
16QAM	20775	2502.5	4.4893	4.799
16QAM	21100	2535	4.4872	4.826
16QAM	21425	2567.5	4.4887	4.814

