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.:	RFBCUN-WTW-P25020520-10
FCC ID:	H8NPCTE020
Product:	Mobile Computer
Brand:	Askey
Model No.:	RC40
Received Date:	2025/3/11
Test Date:	2025/3/25 ~ 2025/6/18
Issued Date:	2025/7/4
Applicant:	Askey Computer Corporation
Address:	10F, No.119, JIANKANG RD., ZHONGHE DIST., NEW TAIPEI CITY, TAIWAN
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / Designation Number:	788550 / TW0003

Approved by: Jeremy Lin , **Date:** **2025/7/4**

Jeremy Lin / Project Engineer

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Prepared by : Pettie Chen / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBCUN-WTW-P25020520-10	Original release.	2025/7/4

1 Certificate

Product:	Mobile Computer
Brand:	Askey
Test Model:	RC40
Sample Status:	Engineering sample
Applicant:	Askey Computer Corporation
Test Date:	2025/3/25 ~ 2025/6/18
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 27.50(a) Part 27.50(k) Part 90.635(b) Part 90.542(a)(7)	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) Part 27.50(k)(4)	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 27.53(a) Part 27.53(n) Part 90.691 Part 90.543(e)(f)	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 27.53(a) Part 27.53(n) Part 90.691 Part 90.543(e)(f)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -12.36 dB at 30.00 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 27.53(a) Part 27.53(n) Part 90.691 Part 90.543(e)(f)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -9.34 dB at 4620.00 MHz

Standard / Clause	Test Item	Result	Remark
Part 2.1055 Part 22.355 Part 24.235 Part 27.54 Part 90.213 Part 90.539(e)	Frequency Stability	Pass	Meet the requirement of limit.

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

2.1 Measurement Uncertainty

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

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	3.6 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	Mobile Computer
Brand	Askey
Test Model	RC40
Status of EUT	Engineering sample
Power Supply Rating	5 / 9 / 12 / 15 / 20Vdc (from adapter) 3.85Vdc (from battery) 12Vdc (from Charging Cradle)
EUT Category	Portable station
Modulation Type	QPSK, 16QAM, 64QAM, 256QAM

Note:

1. The EUT contains following accessories.

Battery	Brand	Askey
	Model	RC40-BR-SBL500
	Nominal Voltage	3.85V
	Nominal Capacity	5000mAh, 19.25Wh
	Rated Capacity	4900mAh, 18.865Wh
	Limited Charging Voltage	4.4V
AC Adapter 1 (for Charging Cradle) (Optional)	Brand	Sunny Computer Technology Co., LTD.
	Model	SYS1649-5012-T3
	Input	100-240V~, 1.5A MAX, 50-60Hz
	Output	+12.0V=4.16A
	Output Power	50.0W MAX.
	Description	1.2m / 1 core
Power Cord (for AC Adapter 1 & 3) (Optional)	Brand	I-SHENG
	Model	V5BVS33161218002
	Description	1.8m
AC Adapter 2 (Optional)	Brand	CHANNEL WELL TECHNOLOGY
	Model	A1C030AC
	Input	100-240V~, 50-60Hz, 1.2A
	Output	5.0V= 3.0A 15.0W 9.0V= 3.0A 27.0W 12.0V= 2.5A 30.0W 15.0V= 2.0A 30.0W 20.0V=1.5A 30.0W
AC Adapter 3 (for Charging Cradle) (Optional)	Brand	MASS POWER
	Model	S050-1A120416B3
	Input	100-240V~ 50-60Hz, 1.5A
	Output	12.0V 4.16A, 49.92W
Charging Cradle (Optional)	Brand	Askey
	Model	RC40-CD-TBE100
Scan Handle (Optional)	Brand	Askey
	Model	RC40-PT-TGH000

2. The EUT uses following support unit.

USB C to C Cable	Brand	HOTRON
	Model	D0018100R7XYY
	Description	0.92m

3. EUT Overview

WCDMA Band 2

TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
1852.4 ~ 1907.6	RMC 12.2K	0.581	27.64	4M17F9W
	HSDPA	0.574	27.59	4M17F9W
	HSUPA	0.573	27.58	4M17F9W

WCDMA Band 4

TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
1712.4 ~ 1752.6	RMC 12.2K	0.364	25.61	4M17F9W
	HSDPA	0.360	25.56	4M16F9W
	HSUPA	0.355	25.5	4M16F9W

WCDMA Band 5

TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
826.4 ~ 846.6	RMC 12.2K	0.120	20.78	4M15F9W
	HSDPA	0.119	20.74	4M15F9W
	HSUPA	0.117	20.7	4M15F9W

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	0.49	26.90	1M09G7D
		16QAM	0.396	25.98	1M09D7W
		64QAM	0.301	24.78	1M09D7W
		256QAM	0.157	21.96	1M09D7W
3 MHz	1851.5 ~ 1908.5	QPSK	0.499	26.98	2M70G7D
		16QAM	0.38	25.80	2M70D7W
		64QAM	0.303	24.82	2M70D7W
		256QAM	0.158	22.00	2M70D7W
5 MHz	1852.5 ~ 1907.5	QPSK	0.504	27.02	4M50G7D
		16QAM	0.387	25.88	4M50D7W
		64QAM	0.308	24.88	4M50D7W
		256QAM	0.159	22.01	4M50D7W
10 MHz	1855 ~ 1905	QPSK	0.511	27.08	8M99G7D
		16QAM	0.388	25.89	8M99D7W
		64QAM	0.312	24.94	8M99D7W
		256QAM	0.161	22.06	8M99D7W
15 MHz	1857.5 ~ 1902.5	QPSK	0.511	27.08	13M5G7D
		16QAM	0.39	25.91	13M5D7W
		64QAM	0.312	24.94	13M5D7W
		256QAM	0.162	22.10	13M5D7W
20 MHz	1860 ~ 1900	QPSK	0.513	27.10	18M0G7D
		16QAM	0.396	25.98	18M0D7W
		64QAM	0.319	25.04	18M0D7W
		256QAM	0.164	22.15	18M0D7W

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	0.304	24.83	1M09G7D
		16QAM	0.237	23.74	1M09D7W
		64QAM	0.187	22.72	1M09D7W
		256QAM	0.096	19.83	1M09D7W
3 MHz	1711.5 ~ 1753.5	QPSK	0.308	24.88	2M70G7D
		16QAM	0.241	23.82	2M70D7W
		64QAM	0.187	22.73	2M70D7W
		256QAM	0.097	19.88	2M70D7W
5 MHz	1712.5 ~ 1752.5	QPSK	0.31	24.91	4M50G7D
		16QAM	0.242	23.84	4M50D7W
		64QAM	0.188	22.74	4M50D7W
		256QAM	0.098	19.92	4M50D7W
10 MHz	1715 ~ 1750	QPSK	0.312	24.94	8M99G7D
		16QAM	0.242	23.84	8M99D7W
		64QAM	0.192	22.83	8M99D7W
		256QAM	0.1	19.98	8M99D7W
15 MHz	1717.5 ~ 1747.5	QPSK	0.313	24.96	13M5G7D
		16QAM	0.246	23.91	13M5D7W
		64QAM	0.195	22.90	13M5D7W
		256QAM	0.1	20.02	13M5D7W
20 MHz	1720 ~ 1745	QPSK	0.316	25.00	18M0G7D
		16QAM	0.247	23.93	18M0D7W
		64QAM	0.196	22.93	18M0D7W
		256QAM	0.102	20.07	18M0D7W

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	0.128	21.08	1M09G7D
		16QAM	0.1	19.98	1M09D7W
		64QAM	0.079	18.96	1M09D7W
		256QAM	0.041	16.08	1M09D7W
3 MHz	825.5 ~ 847.5	QPSK	0.128	21.06	2M70G7D
		16QAM	0.102	20.08	2M70D7W
		64QAM	0.077	18.87	2M70D7W
		256QAM	0.042	16.19	2M70D7W
5 MHz	826.5 ~ 846.5	QPSK	0.13	21.15	4M50G7D
		16QAM	0.103	20.11	4M50D7W
		64QAM	0.079	19.00	4M50D7W
		256QAM	0.042	16.20	4M50D7W
10 MHz	829 ~ 844	QPSK	0.132	21.21	8M99G7D
		16QAM	0.103	20.11	8M99D7W
		64QAM	0.08	19.04	8M99D7W
		256QAM	0.042	16.22	8M98D7W

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	0.050	16.98	1M09G7D
		16QAM	0.040	16.05	1M09D7W
		64QAM	0.031	14.96	1M09D7W
		256QAM	0.016	12.08	1M09D7W
3 MHz	700.5 ~ 714.5	QPSK	0.050	17.03	2M70G7D
		16QAM	0.041	16.12	2M70D7W
		64QAM	0.032	15.06	2M71D7W
		256QAM	0.016	12.11	2M70D7W
5 MHz	701.5 ~ 713.5	QPSK	0.051	17.06	4M50G7D
		16QAM	0.041	16.12	4M50D7W
		64QAM	0.032	15.06	4M50D7W
		256QAM	0.016	12.13	4M50D7W
10 MHz	704 ~ 711	QPSK	0.051	17.09	8M98G7D
		16QAM	0.041	16.14	8M99D7W
		64QAM	0.032	15.09	8M99D7W
		256QAM	0.016	12.17	8M98D7W

LTE Band 13

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
5 MHz	779.5 ~ 784.5	QPSK	0.135	21.29	4M50G7D
		16QAM	0.112	20.48	4M50D7W
		64QAM	0.091	19.60	4M50D7W
		256QAM	0.045	16.53	4M50D7W
10 MHz	782	QPSK	0.136	21.32	8M99G7D
		16QAM	0.113	20.54	8M98D7W
		64QAM	0.091	19.60	8M98D7W
		256QAM	0.046	16.59	8M98D7W

LTE Band 14

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
5 MHz	790.5 ~ 795.5	QPSK	0.086	19.35	4M50G7D
		16QAM	0.071	18.49	4M50D7W
		64QAM	0.056	17.51	4M50D7W
		256QAM	0.029	14.66	4M50D7W
10 MHz	793	QPSK	0.092	19.64	8M96G7D
		16QAM	0.073	18.62	8M96D7W
		64QAM	0.058	17.60	8M97D7W
		256QAM	0.029	14.63	8M97D7W

LTE Band 17

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
5 MHz	706.5 ~ 713.5	QPSK	0.05	16.97	4M50G7D
		16QAM	0.041	16.11	4M50D7W
		64QAM	0.032	15.03	4M50D7W
		256QAM	0.016	12.06	4M50D7W
10 MHz	709 ~ 711	QPSK	0.05	17.02	8M98G7D
		16QAM	0.041	16.14	8M98D7W
		64QAM	0.032	15.08	8M99D7W
		256QAM	0.016	12.13	8M99D7W

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	0.531	27.25	1M09G7D
		16QAM	0.422	26.25	1M09D7W
		64QAM	0.347	25.40	1M09D7W
		256QAM	0.177	22.48	1M09D7W
3 MHz	1851.5 ~ 1913.5	QPSK	0.536	27.29	2M70G7D
		16QAM	0.422	26.25	2M70D7W
		64QAM	0.338	25.29	2M70D7W
		256QAM	0.181	22.57	2M70D7W
5 MHz	1852.5 ~ 1912.5	QPSK	0.538	27.31	4M50G7D
		16QAM	0.424	26.27	4M50D7W
		64QAM	0.341	25.33	4M50D7W
		256QAM	0.182	22.59	4M50D7W
10 MHz	1855 ~ 1910	QPSK	0.547	27.38	8M99G7D
		16QAM	0.424	26.27	8M99D7W
		64QAM	0.348	25.41	8M99D7W
		256QAM	0.185	22.66	8M99D7W
15 MHz	1857.5 ~ 1907.5	QPSK	0.552	27.42	13M5G7D
		16QAM	0.43	26.33	13M5D7W
		64QAM	0.354	25.49	13M5D7W
		256QAM	0.186	22.70	13M5D7W
20 MHz	1860 ~ 1905	QPSK	0.561	27.49	18M0G7D
		16QAM	0.44	26.43	18M0D7W
		64QAM	0.355	25.50	18M0D7W
		256QAM	0.186	22.70	18M0D7W

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	0.124	20.93	1M09G7D
		16QAM	0.105	20.22	1M09D7W
		64QAM	0.082	19.13	1M09D7W
		256QAM	0.04	16.03	1M09D7W
3 MHz	815.5 ~ 822.5	QPSK	0.126	20.99	2M70G7D
		16QAM	0.107	20.29	2M70D7W
		64QAM	0.078	18.93	2M70D7W
		256QAM	0.041	16.09	2M70D7W
5 MHz	816.5 ~ 821.5	QPSK	0.126	21.02	4M50G7D
		16QAM	0.107	20.29	4M50D7W
		64QAM	0.079	18.96	4M50D7W
		256QAM	0.041	16.12	4M50D7W
10 MHz	819	QPSK	0.128	21.08	8M98G7D
		16QAM	0.107	20.29	8M99D7W
		64QAM	0.08	19.01	8M99D7W
		256QAM	0.041	16.13	8M99D7W

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	0.129	21.11	1M09G7D
		16QAM	0.109	20.36	1M09D7W
		64QAM	0.081	19.10	1M09D7W
		256QAM	0.041	16.12	1M09D7W
3 MHz	825.5 ~ 847.5	QPSK	0.13	21.14	2M71G7D
		16QAM	0.109	20.37	2M70D7W
		64QAM	0.082	19.12	2M70D7W
		256QAM	0.041	16.14	2M71D7W
5 MHz	826.5 ~ 846.5	QPSK	0.131	21.17	4M50G7D
		16QAM	0.111	20.44	4M50D7W
		64QAM	0.082	19.14	4M50D7W
		256QAM	0.042	16.21	4M50D7W
10 MHz	829 ~ 844	QPSK	0.132	21.21	8M99G7D
		16QAM	0.111	20.44	8M99D7W
		64QAM	0.084	19.24	8M99D7W
		256QAM	0.042	16.28	8M99D7W
15 MHz	831.5 ~ 841.5	QPSK	0.133	21.23	13M5G7D
		16QAM	0.111	20.47	13M5D7W
		64QAM	0.084	19.24	13M5D7W
		256QAM	0.043	16.36	13M5D7W

LTE Band 30

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
5 MHz	2307.5 ~ 2312.5	QPSK	0.249	23.96	4M51G7D
		16QAM	0.218	23.38	4M50D7W
		64QAM	0.176	22.45	4M51D7W
		256QAM	0.09	19.54	4M50D7W
10 MHz	2310	QPSK	0.249	23.97	9M00G7D
		16QAM	0.218	23.39	8M99D7W
		64QAM	0.176	22.45	8M99D7W
		256QAM	0.091	19.59	8M98D7W

LTE Band 38

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
5 MHz	2572.5 ~ 2617.5	QPSK	0.773	28.88	4M50G7D
		16QAM	0.594	27.74	4M49D7W
		64QAM	0.489	26.89	4M49D7W
		256QAM	0.209	23.20	4M49D7W
10 MHz	2575 ~ 2615	QPSK	0.791	28.98	8M99G7D
		16QAM	0.6	27.78	8M98D7W
		64QAM	0.494	26.94	8M98D7W
		256QAM	0.21	23.23	8M98D7W
15 MHz	2577.5 ~ 2612.5	QPSK	0.798	29.02	13M5G7D
		16QAM	0.612	27.87	13M5D7W
		64QAM	0.499	26.98	13M5D7W
		256QAM	0.211	23.25	13M5D7W
20 MHz	2580 ~ 2610	QPSK	0.804	29.05	18M0G7D
		16QAM	0.617	27.90	18M0D7W
		64QAM	0.5	26.99	18M0D7W
		256QAM	0.215	23.33	18M0D7W

LTE Band 41

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
5 MHz	2498.5 ~ 2687.5	QPSK	0.891	29.50	4M50G7D
		16QAM	0.708	28.50	4M49D7W
		64QAM	0.553	27.43	4M49D7W
		256QAM	0.282	24.50	4M50D7W
10 MHz	2501 ~ 2685	QPSK	0.891	29.50	8M99G7D
		16QAM	0.714	28.54	8M99D7W
		64QAM	0.555	27.44	8M99D7W
		256QAM	0.281	24.49	8M99D7W
15 MHz	2503.5 ~ 2682.5	QPSK	0.891	29.50	13M5G7D
		16QAM	0.703	28.47	13M5D7W
		64QAM	0.556	27.45	13M5D7W
		256QAM	0.282	24.50	13M5D7W
20 MHz	2506 ~ 2680	QPSK	0.902	29.55	18M0G7D
		16QAM	0.714	28.54	18M0D7W
		64QAM	0.564	27.51	18M0D7W
		256QAM	0.284	24.54	18M0D7W

LTE Band 42 (3.45 GHz ~ 3.55 GHz)

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
5 MHz	3452.5 ~ 3547.5	QPSK	0.340	25.32	4M50G7D
		16QAM	0.264	24.22	4M50D7W
		64QAM	0.217	23.36	4M50D7W
		256QAM	0.113	20.52	4M50D7W
10 MHz	3455 ~ 3545	QPSK	0.343	25.35	8M99G7D
		16QAM	0.264	24.22	8M98D7W
		64QAM	0.218	23.38	8M99D7W
		256QAM	0.114	20.57	8M99D7W
15 MHz	3457.5 ~ 3542.5	QPSK	0.351	25.45	13M5G7D
		16QAM	0.267	24.26	13M5D7W
		64QAM	0.216	23.34	13M5D7W
		256QAM	0.115	20.6	13M5D7W
20 MHz	3460 ~ 3540	QPSK	0.352	25.46	18M0G7D
		16QAM	0.265	24.24	18M0D7W
		64QAM	0.221	23.45	18M0D7W
		256QAM	0.115	20.61	18M0D7W

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	0.369	25.67	1M09G7D
		16QAM	0.291	24.64	1M09D7W
		64QAM	0.234	23.69	1M09D7W
		256QAM	0.118	20.71	1M09D7W
3 MHz	1711.5 ~ 1778.5	QPSK	0.375	25.74	2M70G7D
		16QAM	0.298	24.74	2M70D7W
		64QAM	0.235	23.71	2M70D7W
		256QAM	0.118	20.73	2M70D7W
5 MHz	1712.5 ~ 1777.5	QPSK	0.378	25.77	4M50G7D
		16QAM	0.301	24.78	4M50D7W
		64QAM	0.238	23.76	4M50D7W
		256QAM	0.119	20.76	4M50D7W
10 MHz	1715 ~ 1775	QPSK	0.379	25.79	8M99G7D
		16QAM	0.303	24.82	8M99D7W
		64QAM	0.241	23.82	8M99D7W
		256QAM	0.12	20.80	8M99D7W
15 MHz	1717.5 ~ 1772.5	QPSK	0.383	25.83	13M5G7D
		16QAM	0.305	24.84	13M5D7W
		64QAM	0.242	23.84	13M5D7W
		256QAM	0.122	20.85	13M5D7W
20 MHz	1720 ~ 1770	QPSK	0.386	25.87	18M0G7D
		16QAM	0.31	24.92	18M1D7W
		64QAM	0.243	23.86	18M0D7W
		256QAM	0.122	20.88	18M0D7W

LTE Band 70

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)	Emission Designator
5 MHz	1697.5 ~ 1707.5	QPSK	0.186	22.69	4M51G7D
		16QAM	0.155	21.89	4M50D7W
		64QAM	0.126	20.99	4M50D7W
		256QAM	0.065	18.16	4M50D7W
10 MHz	1700 ~ 1705	QPSK	0.187	22.72	8M99G7D
		16QAM	0.156	21.94	8M99D7W
		64QAM	0.126	21.01	8M99D7W
		256QAM	0.066	18.20	8M98D7W
15 MHz	1702.5	QPSK	0.188	22.74	13M5G7D
		16QAM	0.159	22.01	13M5D7W
		64QAM	0.128	21.06	13M5D7W
		256QAM	0.066	18.22	13M4D7W

LTE Band 71

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)	Emission Designator
5 MHz	665.5 ~ 695.5	QPSK	0.041	16.15	4M50G7D
		16QAM	0.034	15.33	4M50D7W
		64QAM	0.027	14.29	4M50D7W
		256QAM	0.014	11.41	4M50D7W
10 MHz	668 ~ 693	QPSK	0.042	16.20	9M06G7D
		16QAM	0.035	15.38	8M99D7W
		64QAM	0.027	14.30	8M99D7W
		256QAM	0.014	11.44	8M99D7W
15 MHz	670.5 ~ 690.5	QPSK	0.042	16.23	13M5G7D
		16QAM	0.035	15.42	13M5D7W
		64QAM	0.027	14.38	13M5D7W
		256QAM	0.014	11.47	13M5D7W
20 MHz	673 ~ 688	QPSK	0.043	16.33	18M0G7D
		16QAM	0.035	15.47	18M0D7W
		64QAM	0.028	14.40	18M0D7W
		256QAM	0.014	11.54	18M0D7W

4. For detailed information about each WWAN bands frequency range, bandwidth mode of the product, please refer to section 3.3 of the report.
5. 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.

Ant. Type	PIFA				
Ant. Connector	I-PEX(4)				
Band	Freq. Range (MHz)	Ant 0 Gain (dBi)	Ant 1 Gain (dBi)	Ant 2 Gain (dBi)	Ant 3 Gain (dBi)
WCDMA Band 2 / LTE Band 2	1850~1910	2.48	-	-	-
WCDMA Band 4 / LTE Band 4	1710~1755	0.08	-	-	-
WCDMA Band 5 / LTE Band 5	824~849	-1.85	-	-	-
LTE Band 12	698~716	-6.2	-	-	-
LTE Band 13	777~787	-2.12	-	-	-
LTE Band 14	788~798	-2.12	-	-	-
LTE Band 17	704~716	-6.2	-	-	-
LTE Band 25	1850~1915	2.48	-	-	-
LTE Band 26	814~849	-1.85	-	-	-
LTE Band 30	2305~2315	-	-	-	1.23
LTE Band 38	2570~2620	-	-	-	3.97
LTE Band 41	2496~2690	-	2.1	-	4.02
LTE Band 66	1710~1780	0.42	-	-	-
LTE Band 70	1695~1720	-	-	-2.54	-
LTE Band 71	663~698	-6.2	-	-	-

Ant. Type	Loop				
Ant. Connector	I-PEX(4)				
Band	Freq. Range (MHz)	Ant 4 Gain (dBi)	Ant 5 Gain (dBi)	Ant 6 Gain (dBi)	Ant 7 Gain (dBi)
LTE Band 42	3400~3600	0.98	-	-	-

*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:	1. EUT can be used in the following ways: X-axis / Y-axis / Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 2. EUT can be used in the following ways: EUT only + Adapter 2 / EUT + Charging Cradle + Adapter 3 / EUT + Scan Handle + Charging Cradle + Adapter 1 3. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: WCDMA Band 2/4, LTE Band 2/4/25/30/38/41/42/66/70: Y-axis WCDMA Band 5, LTE Band 5/12/13/14/17/26/71: X-axis 2. EUT only + adapter 2 / EUT + Charging Cradle + adapter 3 / EUT + Scan Handle + Charging Cradle + adapter 1 Worst Condition: EUT only + Adapter 2

3.3.1 WCDMA Band 2

Test Item	Tested Channel	Mode
Equivalent Isotropically Radiated Power	9262 (1852.40 MHz) 9400 (1880.00 MHz) 9538 (1907.60 MHz)	WCDMA HSDPA HSUPA
Modulation Characteristics	9400 (1880.00 MHz)	WCDMA HSDPA HSUPA
Peak to Average Ratio	9262 (1852.40 MHz) 9400 (1880.00 MHz) 9538 (1907.60 MHz)	WCDMA HSDPA HSUPA
Bandwidth	9262 (1852.40 MHz) 9400 (1880.00 MHz) 9538 (1907.60 MHz)	WCDMA HSDPA HSUPA
Conducted Spurious Emissions	9262 (1852.40 MHz) 9400 (1880.00 MHz) 9538 (1907.60 MHz)	WCDMA HSDPA HSUPA
Radiated Spurious Emissions below 1GHz	9262 (1852.40 MHz)	WCDMA
Radiated Spurious Emissions above 1GHz	9262 (1852.40 MHz) 9400 (1880.00 MHz) 9538 (1907.60 MHz)	WCDMA
Frequency Stability	9262 (1852.40 MHz) 9538 (1907.60 MHz)	WCDMA

3.3.2 WCDMA Band 4

Test Item	Tested Channel	Mode
Equivalent Isotropically Radiated Power	1312 (1712.40 MHz) 1413 (1732.60 MHz) 1513 (1752.60 MHz)	WCDMA HSDPA HSUPA
Modulation Characteristics	1413 (1732.60 MHz)	WCDMA HSDPA HSUPA
Peak to Average Ratio	1312 (1712.40 MHz) 1413 (1732.60 MHz) 1513 (1752.60 MHz)	WCDMA HSDPA HSUPA
Bandwidth	1312 (1712.40 MHz) 1413 (1732.60 MHz) 1513 (1752.60 MHz)	WCDMA HSDPA HSUPA
Conducted Emission	1312 (1712.40 MHz) 1413 (1732.60 MHz) 1513 (1752.60 MHz)	WCDMA HSDPA HSUPA
Radiated Spurious Emissions below 1GHz	1513 (1752.60 MHz)	WCDMA
Radiated Spurious Emissions above 1GHz	1312 (1712.40 MHz) 1413 (1732.60 MHz) 1513 (1752.60 MHz)	WCDMA
Frequency Stability	1312 (1712.40 MHz) 1513 (1752.60 MHz)	WCDMA

3.3.3 WCDMA Band 5

Test Item	Tested Channel	Mode
Effective Radiated Power	4132 (826.40 MHz) 4182 (836.40 MHz) 4233 (846.60 MHz)	WCDMA HSDPA HSUPA
Modulation Characteristics	4182 (836.40 MHz)	WCDMA HSDPA HSUPA
Peak to Average Ratio	4132 (826.40 MHz) 4182 (836.40 MHz) 4233 (846.60 MHz)	WCDMA HSDPA HSUPA
Bandwidth	4132 (826.40 MHz) 4182 (836.40 MHz) 4233 (846.60 MHz)	WCDMA HSDPA HSUPA
Conducted Spurious Emissions	4132 (826.40 MHz) 4182 (836.40 MHz) 4233 (846.60 MHz)	WCDMA HSDPA HSUPA
Radiated Spurious Emissions below 1GHz	4233 (846.60 MHz)	WCDMA
Radiated Spurious Emissions above 1GHz	4132 (826.40 MHz) 4182 (836.40 MHz) 4233 (846.60 MHz)	WCDMA
Frequency Stability	4132 (826.40 MHz) 4233 (846.60 MHz)	WCDMA

3.3.4 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 / 64QAM / 256QAM	1 RB Half RB Full RB
	18615(1851.50 MHz) 18900(1880.00 MHz) 19185(1908.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18625(1852.50 MHz) 18900(1880.00 MHz) 19175(1907.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18650(1855.00 MHz) 18900(1880.00 MHz) 19150(1905.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18675(1857.50 MHz) 18900(1880.00 MHz) 19125(1902.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18700(1860.00 MHz) 18900(1880.00 MHz) 19100(1900.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	18900(1880.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	18607(1850.70 MHz) 18900(1880.00 MHz) 19193(1909.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	18615(1851.50 MHz) 18900(1880.00 MHz) 19185(1908.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	18625(1852.50 MHz) 18900(1880.00 MHz) 19175(1907.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	18650(1855.00 MHz) 18900(1880.00 MHz) 19150(1905.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	18675(1857.50 MHz) 18900(1880.00 MHz) 19125(1902.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	18700(1860.00 MHz) 18900(1880.00 MHz) 19100(1900.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB

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

3.3.5 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 / 64QAM / 256QAM	1 RB Half RB Full RB
	19965(1711.50 MHz) 20175(1732.50 MHz) 20385(1753.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	19975(1712.50 MHz) 20175(1732.50 MHz) 20375(1752.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20000(1715.00 MHz) 20175(1732.50 MHz) 20350(1750.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20025(1717.50 MHz) 20175(1732.50 MHz) 20325(1747.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20050(1720.00 MHz) 20175(1732.50 MHz) 20300(1745.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	20175(1732.50 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	19957(1710.70 MHz) 20175(1732.50 MHz) 20393(1754.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	19965(1711.50 MHz) 20175(1732.50 MHz) 20385(1753.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	19975(1712.50 MHz) 20175(1732.50 MHz) 20375(1752.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20000(1715.00 MHz) 20175(1732.50 MHz) 20350(1750.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20025(1717.50 MHz) 20175(1732.50 MHz) 20325(1747.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20050(1720.00 MHz) 20175(1732.50 MHz) 20300(1745.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB

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 / 64QAM / 256QAM	Full RB
	19965(1711.50 MHz) 20175(1732.50 MHz) 20385(1753.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	19975(1712.50 MHz) 20175(1732.50 MHz) 20375(1752.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20000(1715.00 MHz) 20175(1732.50 MHz) 20350(1750.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20025(1717.50 MHz) 20175(1732.50 MHz) 20325(1747.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20050(1720.00 MHz) 20175(1732.50 MHz) 20300(1745.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
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
Radiated Spurious Emissions below 1GHz	20393(1754.30 MHz)	1.4 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	19957(1710.70 MHz) 20175(1732.50 MHz) 20393(1754.30 MHz)	1.4 MHz	QPSK	1 RB
	19975(1712.50 MHz) 20175(1732.50 MHz) 20375(1752.50 MHz)	5 MHz	QPSK	1 RB
	20050(1720.00 MHz) 20175(1732.50 MHz) 20300(1745.00 MHz)	20 MHz	QPSK	1 RB
Frequency Stability	20050(1720.00 MHz) 20300(1745.00 MHz)	20 MHz	QPSK	Full RB

3.3.6 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 / 64QAM / 256QAM	1 RB Half RB Full RB
	20415(825.50 MHz) 20525(836.50 MHz) 20635(847.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20425(826.50 MHz) 20525(836.50 MHz) 20625(846.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20450(829.00 MHz) 20525(836.50 MHz) 20600(844.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	20525(836.50 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	20407(824.70 MHz) 20525(836.50 MHz) 20643(848.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20415(825.50 MHz) 20525(836.50 MHz) 20635(847.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20425(826.50 MHz) 20525(836.50 MHz) 20625(846.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	20450(829.00 MHz) 20525(836.50 MHz) 20600(844.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	20407(824.70 MHz) 20525(836.50 MHz) 20643(848.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20415(825.50 MHz) 20525(836.50 MHz) 20635(847.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20425(826.50 MHz) 20525(836.50 MHz) 20625(846.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	20450(829.00 MHz) 20525(836.50 MHz) 20600(844.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB

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	20425(826.50 MHz)	5 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

3.3.7 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 / 64QAM / 256QAM	1 RB Half RB Full RB
	23025(700.50 MHz) 23095(707.50 MHz) 23165(714.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23035(701.50 MHz) 23095(707.50 MHz) 23155(713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23060(704.00 MHz) 23095(707.50 MHz) 23130(711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	23095(707.50 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	23017(699.70 MHz) 23095(707.50 MHz) 23173(715.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	23025(700.50 MHz) 23095(707.50 MHz) 23165(714.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	23035(701.50 MHz) 23095(707.50 MHz) 23155(713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	23060(704.00 MHz) 23095(707.50 MHz) 23130(711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	23017(699.70 MHz) 23095(707.50 MHz) 23173(715.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	23025(700.50 MHz) 23095(707.50 MHz) 23165(714.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	23035(701.50 MHz) 23095(707.50 MHz) 23155(713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	23060(704.00 MHz) 23095(707.50 MHz) 23130(711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB

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	23035(701.50 MHz)	5 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

3.3.8 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 / 64QAM / 256QAM	1 RB Half RB Full RB
	23230(782.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	23230(782.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	23205(779.50 MHz) 23230(782.00 MHz) 23255(784.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	23230(782.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	23205(779.50 MHz) 23230(782.00 MHz) 23255(784.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	23230(782.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
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)	5 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

3.3.9 LTE Band 14

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	23305(790.50 MHz) 23330(793.00 MHz) 23355(795.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23330(793.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	23330(793.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	-	-	-	-
Bandwidth	23305(790.50 MHz) 23330(793.00 MHz) 23355(795.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	23330(793.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	23305(790.50 MHz) 23330(793.00 MHz) 23355(795.50 MHz)	5 MHz	QPSK	1 RB Full RB
	23330(793.00 MHz)	10 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	23330(793.00 MHz)	5 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	23305(790.50 MHz) 23330(793.00 MHz) 23355(795.50 MHz)	5 MHz	QPSK	1 RB
	23330(793.00 MHz)	10 MHz	QPSK	1 RB
Frequency Stability	23330(793.00 MHz)	10 MHz	QPSK	Full RB

3.3.10LTE Band 17

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	23755(706.50 MHz) 23790(710.00 MHz) 23825(713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23780(709.00 MHz) 23790(710.00 MHz) 23800(711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	23790(710.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	23755(706.50 MHz) 23790(710.00 MHz) 23825(713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	23780(709.00 MHz) 23790(710.00 MHz) 23800(711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	23755(706.50 MHz) 23790(710.00 MHz) 23825(713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	23780(709.00 MHz) 23790(710.00 MHz) 23800(711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	23755(706.50 MHz) 23790(710.00 MHz) 23825(713.50 MHz)	5 MHz	QPSK	1 RB Full RB
	23780(709.00 MHz) 23790(710.00 MHz) 23800(711.00 MHz)	10 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	23825(713.50 MHz)	5 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	23755(706.50 MHz) 23790(710.00 MHz) 23825(713.50 MHz)	5 MHz	QPSK	1 RB
	23780(709.00 MHz) 23790(710.00 MHz) 23800(711.00 MHz)	10 MHz	QPSK	1 RB
Frequency Stability	23780(709.00 MHz) 23800(711.00 MHz)	10 MHz	QPSK	Full RB

3.3.11LTE 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 / 64QAM / 256QAM	1 RB Half RB Full RB
	26055(1851.50 MHz) 26365(1882.50 MHz) 26675(1913.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26065(1852.50 MHz) 26365(1882.50 MHz) 26665(1912.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26090(1855.00 MHz) 26365(1882.50 MHz) 26640(1910.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26115(1857.50 MHz) 26365(1882.50 MHz) 26615(1907.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26140(1860.00 MHz) 26365(1882.50 MHz) 26590(1905.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	26365(1882.50 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	26047(1850.70 MHz) 26365(1882.50 MHz) 26683(1914.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26055(1851.50 MHz) 26365(1882.50 MHz) 26675(1913.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26065(1852.50 MHz) 26365(1882.50 MHz) 26665(1912.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26090(1855.00 MHz) 26365(1882.50 MHz) 26640(1910.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26115(1857.50 MHz) 26365(1882.50 MHz) 26615(1907.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26140(1860.00 MHz) 26365(1882.50 MHz) 26590(1905.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB

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 / 64QAM / 256QAM	Full RB
	26055(1851.50 MHz) 26365(1882.50 MHz) 26675(1913.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26065(1852.50 MHz) 26365(1882.50 MHz) 26665(1912.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26090(1855.00 MHz) 26365(1882.50 MHz) 26640(1910.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26115(1857.50 MHz) 26365(1882.50 MHz) 26615(1907.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26140(1860.00 MHz) 26365(1882.50 MHz) 26590(1905.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
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
Radiated Spurious Emissions below 1GHz	26065(1852.50 MHz)	5 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	26047(1850.70 MHz) 26365(1882.50 MHz) 26683(1914.30 MHz)	1.4 MHz	QPSK	1 RB
	26065(1852.50 MHz) 26365(1882.50 MHz) 26665(1912.50 MHz)	5 MHz	QPSK	1 RB
	26140(1860.00 MHz) 26365(1882.50 MHz) 26590(1905.00 MHz)	20 MHz	QPSK	1 RB
Frequency Stability	26140(1860.00 MHz) 26590(1905.00 MHz)	20 MHz	QPSK	Full RB

3.3.12LTE 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 / 64QAM / 256QAM	1 RB Half RB Full RB
	26705(815.50 MHz) 26740(819.00 MHz) 26775(822.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26715(816.50 MHz) 26740(819.00 MHz) 26765(821.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26740(819.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	26740(819.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	-	-	-	-
Bandwidth	26697(814.70 MHz) 26740(819.00 MHz) 26783(823.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26705(815.50 MHz) 26740(819.00 MHz) 26775(822.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26715(816.50 MHz) 26740(819.00 MHz) 26765(821.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26740(819.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	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)	5 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

3.3.13LTE 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 / 64QAM / 256QAM	1 RB Half RB Full RB
	26805(825.50 MHz) 26915(836.50 MHz) 27025(847.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26815(826.50 MHz) 26915(836.50 MHz) 27015(846.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26840(829.00 MHz) 26915(836.50 MHz) 26990(844.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26865(831.50 MHz) 26915(836.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	26915(836.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	26797(824.70 MHz) 26915(836.50 MHz) 27033(848.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26805(825.50 MHz) 26915(836.50 MHz) 27025(847.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26815(826.50 MHz) 26915(836.50 MHz) 27015(846.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26840(829.00 MHz) 26915(836.50 MHz) 26990(844.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	26865(831.50 MHz) 26915(836.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	26797(824.70 MHz) 26915(836.50 MHz) 27033(848.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26805(825.50 MHz) 26915(836.50 MHz) 27025(847.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26815(826.50 MHz) 26915(836.50 MHz) 27015(846.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26840(829.00 MHz) 26915(836.50 MHz) 26990(844.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	26865(831.50 MHz) 26915(836.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
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	26815(826.50 MHz)	5 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

3.3.14LTE Band 30

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	27685(2307.50 MHz) 27710(2310.00 MHz) 27735(2312.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	27710(2310.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	27710(2310.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	27685(2307.50 MHz) 27710(2310.00 MHz) 27735(2312.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	27710(2310.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	27685(2307.50 MHz) 27710(2310.00 MHz) 27735(2312.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	27710(2310.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	27685(2307.50 MHz) 27710(2310.00 MHz) 27735(2312.50 MHz)	5 MHz	QPSK	1 RB Full RB
	27710(2310.00 MHz)	10 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	27710(2310.00 MHz)	5 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	27685(2307.50 MHz) 27710(2310.00 MHz) 27735(2312.50 MHz)	5 MHz	QPSK	1 RB
	27710(2310.00 MHz)	10 MHz	QPSK	1 RB
Frequency Stability	27710(2310.00 MHz)	10 MHz	QPSK	Full RB

3.3.15LTE 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 / 64QAM / 256QAM	1 RB Half RB Full RB
	37800(2575.00 MHz) 38000(2595.00 MHz) 38200(2615.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	37825(2577.50 MHz) 38000(2595.00 MHz) 38175(2612.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	37850(2580.00 MHz) 38000(2595.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	38000(2595.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	37775(2572.50 MHz) 38000(2595.00 MHz) 38225(2617.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	37800(2575.00 MHz) 38000(2595.00 MHz) 38200(2615.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	37825(2577.50 MHz) 38000(2595.00 MHz) 38175(2612.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	37850(2580.00 MHz) 38000(2595.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	37775(2572.50 MHz) 38000(2595.00 MHz) 38225(2617.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	37800(2575.00 MHz) 38000(2595.00 MHz) 38200(2615.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	37825(2577.50 MHz) 38000(2595.00 MHz) 38175(2612.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	37850(2580.00 MHz) 38000(2595.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	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	38150(2610.00 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

3.3.16LTE 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 / 64QAM / 256QAM	1 RB Half RB Full RB
	39700(2501.00 MHz) 40620(2593.00 MHz) 41540(2685.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	39725(2503.50 MHz) 40620(2593.00 MHz) 41515(2682.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	39750(2506.00 MHz) 40620(2593.00 MHz) 41490(2680.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	40620(2593.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	39675(2498.50 MHz) 40620(2593.00 MHz) 41565(2687.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	39700(2501.00 MHz) 40620(2593.00 MHz) 41540(2685.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	39725(2503.50 MHz) 40620(2593.00 MHz) 41515(2682.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	39750(2506.00 MHz) 40620(2593.00 MHz) 41490(2680.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	39675(2498.50 MHz) 40620(2593.00 MHz) 41565(2687.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	39700(2501.00 MHz) 40620(2593.00 MHz) 41540(2685.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	39725(2503.50 MHz) 40620(2593.00 MHz) 41515(2682.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	39750(2506.00 MHz) 40620(2593.00 MHz) 41490(2680.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB

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

3.3.17LTE Band 42 (3.45 GHz ~ 3.55 GHz)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	42115(3452.50 MHz) 42590(3500.00 MHz) 43065(3547.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	42140(3455.00 MHz) 42590(3500.00 MHz) 43040(3545.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	42165(3457.50 MHz) 42590(3500.00 MHz) 43015(3542.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	42190(3460.00 MHz) 42590(3500.00 MHz) 42990(3540.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	42590(3500.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	42115(3452.50 MHz) 42590(3500.00 MHz) 43065(3547.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	42140(3455.00 MHz) 42590(3500.00 MHz) 43040(3545.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	42165(3457.50 MHz) 42590(3500.00 MHz) 43015(3542.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	42190(3460.00 MHz) 42590(3500.00 MHz) 42990(3540.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	42115(3452.50 MHz) 42590(3500.00 MHz) 43065(3547.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	42140(3455.00 MHz) 42590(3500.00 MHz) 43040(3545.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	42165(3457.50 MHz) 42590(3500.00 MHz) 43015(3542.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	42190(3460.00 MHz) 42590(3500.00 MHz) 42990(3540.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	42115(3452.50 MHz) 42590(3500.00 MHz) 43065(3547.50 MHz)	5 MHz	QPSK	1 RB Full RB
	42140(3455.00 MHz) 42590(3500.00 MHz) 43040(3545.00 MHz)	10 MHz	QPSK	1 RB Full RB
	42165(3457.50 MHz) 42590(3500.00 MHz) 43015(3542.50 MHz)	15 MHz	QPSK	1 RB Full RB
	42190(3460.00 MHz) 42590(3500.00 MHz) 42990(3540.00 MHz)	20 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	43065(3547.50 MHz)	5 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	42115(3452.50 MHz) 42590(3500.00 MHz) 43065(3547.50 MHz)	5 MHz	QPSK	1 RB
	42190(3460.00 MHz) 42590(3500.00 MHz) 42990(3540.00 MHz)	20 MHz	QPSK	1 RB
Frequency Stability	42190(3460.00 MHz) 42990(3540.00 MHz)	20 MHz	QPSK	Full RB

3.3.18LTE 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 / 64QAM / 256QAM	1 RB Half RB Full RB
	131987(1711.50 MHz) 132322(1745.00 MHz) 132657(1778.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	131997(1712.50 MHz) 132322(1745.00 MHz) 132647(1777.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	132022(1715.00 MHz) 132322(1745.00 MHz) 132622(1775.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	132047(1717.50 MHz) 132322(1745.00 MHz) 132597(1772.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	132072(1720.00 MHz) 132322(1745.00 MHz) 132572(1770.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	132322(1745.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	131979(1710.70 MHz) 132322(1745.00 MHz) 132665(1779.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	131987(1711.50 MHz) 132322(1745.00 MHz) 132657(1778.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	131997(1712.50 MHz) 132322(1745.00 MHz) 132647(1777.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	132022(1715.00 MHz) 132322(1745.00 MHz) 132622(1775.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	132047(1717.50 MHz) 132322(1745.00 MHz) 132597(1772.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	132072(1720.00 MHz) 132322(1745.00 MHz) 132572(1770.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB

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 / 64QAM / 256QAM	Full RB
	131987(1711.50 MHz) 132322(1745.00 MHz) 132657(1778.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	131997(1712.50 MHz) 132322(1745.00 MHz) 132647(1777.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	132022(1715.00 MHz) 132322(1745.00 MHz) 132622(1775.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	132047(1717.50 MHz) 132322(1745.00 MHz) 132597(1772.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	132072(1720.00 MHz) 132322(1745.00 MHz) 132572(1770.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
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
Radiated Spurious Emissions below 1GHz	132572(1770.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	131979(1710.70 MHz) 132322(1745.00 MHz) 132665(1779.30 MHz)	1.4 MHz	QPSK	1 RB
	131997(1712.50 MHz) 132322(1745.00 MHz) 132647(1777.50 MHz)	5 MHz	QPSK	1 RB
	132072(1720.00 MHz) 132322(1745.00 MHz) 132572(1770.00 MHz)	20 MHz	QPSK	1 RB
Frequency Stability	132072(1720.00 MHz) 132572(1770.00 MHz)	20 MHz	QPSK	Full RB

3.3.19LTE Band 70

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	132997(1697.5 MHz) 133047(1702.5 MHz) 133097(1707.5 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133022(1770.0 MHz) 133047(1702.5 MHz) 133072(1705.0 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133047(1702.5 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Modulation Characteristics	133047(1702.5 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Peak to Average Ratio	132997(1697.5 MHz) 133047(1702.5 MHz) 133097(1707.5 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	133022(1770.0 MHz) 133047(1702.5 MHz) 133072(1705.0 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
	133047(1702.5 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB
Bandwidth	132997(1697.5 MHz) 133047(1702.5 MHz) 133097(1707.5 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	133022(1770.0 MHz) 133047(1702.5 MHz) 133072(1705.0 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
	133047(1702.5 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	Full RB
Conducted Spurious Emissions	132997(1697.5 MHz) 133047(1702.5 MHz) 133097(1707.5 MHz)	5 MHz	QPSK	1 RB Full RB
	133022(1770.0 MHz) 133047(1702.5 MHz) 133072(1705.0 MHz)	10 MHz	QPSK	1 RB Full RB
	133047(1702.5 MHz)	15 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	133047(1702.5 MHz)	5 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	132997(1697.5 MHz) 133047(1702.5 MHz) 133097(1707.5 MHz)	5 MHz	QPSK	1 RB
	133047(1702.5 MHz)	15 MHz	QPSK	1 RB
Frequency Stability	133047(1702.5 MHz)	15 MHz	QPSK	Full RB

3.3.20LTE Band 71

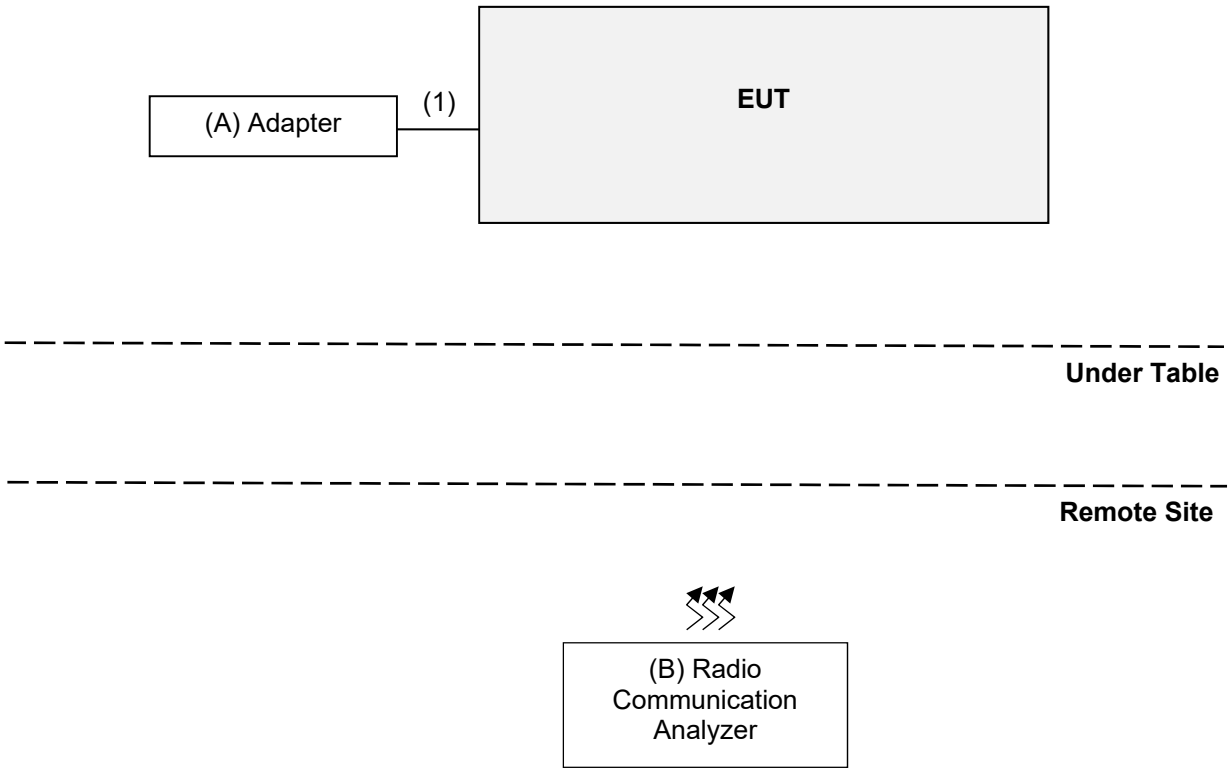
Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	133147(665.50 MHz) 133297(680.50 MHz) 133447(695.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133172(668.00 MHz) 133297(680.50 MHz) 133422(693.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half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

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	133147(665.50 MHz) 133297(680.50 MHz) 133447(695.50 MHz)	5 MHz	QPSK	1 RB Full RB
	133172(668.00 MHz) 133297(680.50 MHz) 133422(693.00 MHz)	10 MHz	QPSK	1 RB Full RB
	133197(670.50 MHz) 133297(680.50 MHz) 133397(690.50 MHz)	15 MHz	QPSK	1 RB Full RB
	133222(673.00 MHz) 133297(680.50 MHz) 133372(688.00 MHz)	20 MHz	QPSK	1 RB Full RB
Radiated Spurious Emissions below 1GHz	133147(665.50 MHz)	5 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	133147(665.50 MHz) 133297(680.50 MHz) 133447(695.50 MHz)	5 MHz	QPSK	1 RB
	133222(673.00 MHz) 133297(680.50 MHz) 133372(688.00 MHz)	20 MHz	QPSK	1 RB
Frequency Stability	133222(673.00 MHz) 133372(688.00 MHz)	20 MHz	QPSK	Full RB

3.4 Test Program Used and Operation Descriptions

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

3.5 Connection Diagram of EUT and Peripheral Devices



3.6 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	CHANNEL WELL TECHNOLOGY	A1C030AC	NA	NA	Supplied by applicant
B	Radio Communication Analyzer	Anritsu	MT8821C	6201462755	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	USB C to C Cable	1	0.92	No	0	Supplied by applicant

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	2024/5/29	2025/5/28
PXA Signal Analyzer Keysight	N9030B	MY57140938	2025/3/24	2026/3/23
Radio Communication Analyzer Anritsu	MT8821C	6261806803	2025/2/19	2026/2/18
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: 2025/3/25 ~ 2025/5/19

4.2 Modulation Characteristics

Refer to section 4.1 to get the tested date and information of the instruments.

4.3 Peak to Average Ratio

Refer to section 4.1 to get the tested date and information of the instruments.

4.4 Bandwidth

Refer to section 4.1 to get the tested date and information of the instruments.

4.5 Conducted Spurious Emissions

Refer to section 4.1 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	2024/10/9	2025/10/8
Loop Antenna TESEQ	HLA 6121	45745	2024/8/21	2025/8/20
MXE EMI Receiver Agilent	N9038A	MY51210203	2024/8/27	2025/8/26
Preamplifier Agilent	8447D	2944A10638	2024/5/1	2025/4/30
RF Coaxial Cable Woken	8D-FB	Cable-CH9-01	2024/5/1	2025/4/30
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: 2025/4/21

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	2024/11/10	2025/11/9
	BBHA 9170	9170-480	2024/11/10	2025/11/9
		BBHA9170243	2024/11/10	2025/11/9
MXE EMI Receiver Agilent	N9038A	MY51210203	2024/8/27	2025/8/26
Preamplifier Agilent	8449B	3008A02367	2025/1/5	2026/1/4
Preamplifier EMCI	EMC 184045	980116	2024/9/24	2025/9/23
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2024/7/6	2025/7/5
	EMC102-KM-KM-3000	150929	2024/7/6	2025/7/5
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: 2025/3/26 ~ 2025/4/29

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	2024/6/14	2025/6/13
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	6261806803	2025/2/19	2026/2/18
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber Terchy	MHU-225AU	920842	2024/6/21	2025/6/20

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/6/4

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

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

Mobile and portable stations are limited to 2 watts EIRP.

For LTE Band 14:

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

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

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

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

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

For LTE Band 13:

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

For LTE Band 4, LTE Band 66, LTE Band 70:

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 30:

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

For 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 42 (3.45 GHz ~ 3.55 GHz):

Mobile devices are limited to 1Watt (30 dBm) EIRP.

5.2 Modulation Characteristics

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

5.3 Peak to Average Ratio

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

5.4 Bandwidth

According to FCC 47 CFR part 2.1049, the occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5% of the total mean power radiated by a given emission.

5.5 Conducted Spurious Emissions

For WCDMA Band 2, WCDMA Band 5, LTE Band 2, LTE Band 5, LTE Band 25, 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 14:

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

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

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

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

For LTE Band 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.

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

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

For LTE Band 13:

According to FCC 47 CFR part 27.53(c)(2), for on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.
According to FCC 47 CFR part 27.53(c)(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.
For operations in the 775-788 MHz, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (EIRP). The limit of emissions is equal to -40 dBm.

For WCDMA Band 4, LTE Band 4, LTE Band 66, LTE Band 70:

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 30:

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

(i) By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 MHz and 2320 MHz and on all frequencies between 2345 MHz and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 MHz and 2324 MHz and on all frequencies between 2341 MHz and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 MHz and 2328 MHz and on all frequencies between 2337 MHz and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 MHz and 2337 MHz;

(ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 MHz and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 MHz and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 MHz and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 MHz and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz;

(iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 MHz and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

(iv) Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305 MHz, 2310 MHz, 2315 MHz, 2320 MHz, 2345 MHz, 2350 MHz, 2355 MHz, and 2360 MHz, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

For LTE Band 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 42 (3.45 GHz ~ 3.55 GHz):

According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. 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, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

5.6 Radiated Spurious Emissions below 1GHz

For WCDMA Band 2, WCDMA Band 5, 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 14:

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

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 grater than 37.5 kHz from channel edge is allowed.

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

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

For LTE Band 13:

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

For WCDMA Band 4, LTE Band 4, LTE Band 66, LTE Band 70:

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 30:

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

For LTE Band 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 42 (3.45 GHz ~ 3.55 GHz):

According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

5.7 Radiated Spurious Emissions above 1GHz

For WCDMA Band 2, WCDMA Band 5, 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 14:

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

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

For LTE Band 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 grater than 37.5 kHz from channel edge is allowed.

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

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

For LTE Band 13:

According to FCC 47 CFR part 27.53(c)(2), for on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB. The limit of emissions is equal to -13 dBm.
For operations in the 775-788 MHz, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (EIRP). The limit of emissions is equal to -40 dBm.

For WCDMA Band 4, LTE Band 4, LTE Band 66, LTE Band 70:

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 30:

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

For LTE Band 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 42 (3.45 GHz ~ 3.55 GHz):

According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

5.8 Frequency Stability

For WCDMA Band 5, 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.

For WCDMA Band 2, WCDMA Band 4, LTE Band 2, LTE Band 4, LTE Band 12, LTE Band 13, LTE Band 17, LTE Band 25, LTE Band 30, LTE Band 38, LTE Band 41, LTE Band 42 (3.45 GHz ~ 3.55 GHz), LTE Band 66, LTE Band 70, LTE Band 71:

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

For LTE Band 14:

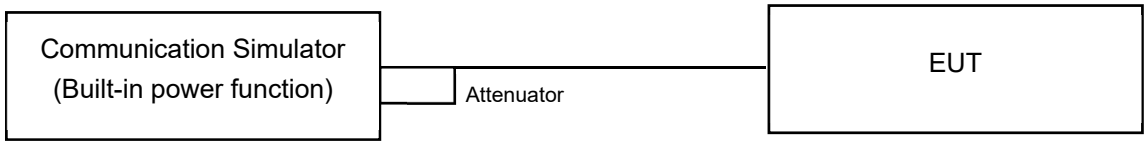
The frequency stability of mobile, portable and control transmitters operating in the wideband segment must be 1.25 parts per million or better when AFC is locked to a base station, and 5 parts per million or better when AFC is not locked.

6 Test Arrangements

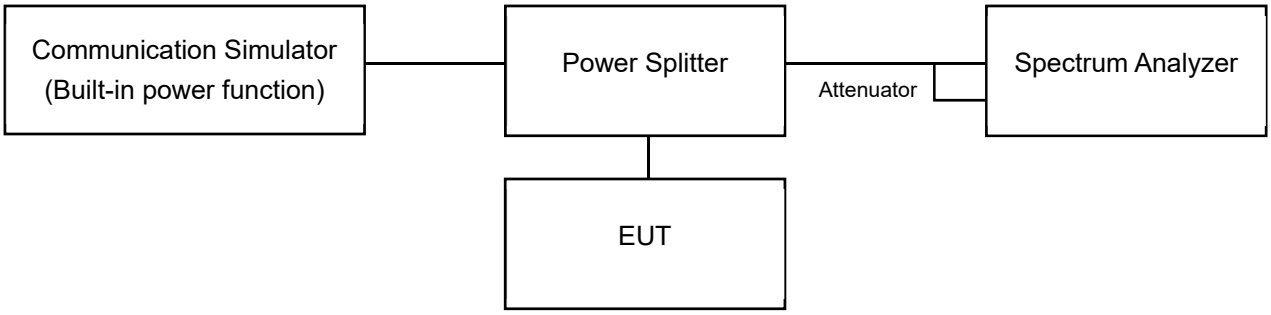
6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

6.1.1 Test Setup

Conducted Power Measurement:



For measuring output power using spectrum



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.

For measuring output power using spectrum

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology and link to spectrum analyzer measurements. Set the EUT to transmit under low, middle and high channel and record the power level shown on spectrum analyzer. Power measurements use detector average (rms).

For measuring output power using spectrum

Measurement method refers to ANSI C63.26 section 5.2.4.4.

a. Set span to 2 × to 3 × the OBW.
b. Set RBW = 1% to 5% of the OBW.
c. Set VBW ≥ 3 × RBW.
d. Set number of measurement points in sweep ≥ 2 × span / RBW.
e. Set Sweep time = auto-couple.
f. Detector = power averaging (rms).
g. Set sweep trigger to “free run.”
h. Trace average at least 100 traces in power averaging (rms) mode.
i. Use the Band/Channel Power function to determine the integrated power per 5 MHz bandwidth, according to the 47 CFR FCC Part 27 section 27.53(a)(3)(i) standard.
j. If Duty cycle < 98%, Add 10 log (1/duty cycle) to the measured power level to compute the average power during continuous transmission.

Maximum EIRP / ERP

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

$EIRP = P_{Meas} + G_T$

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

where

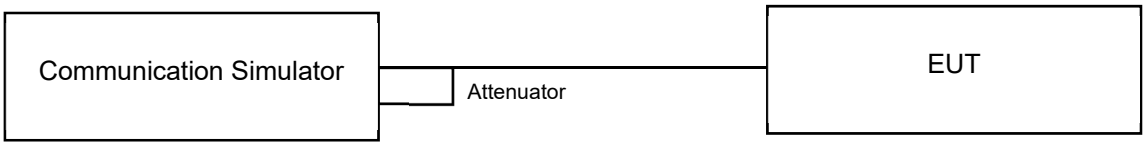
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, e.g., dBm or dBW)

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

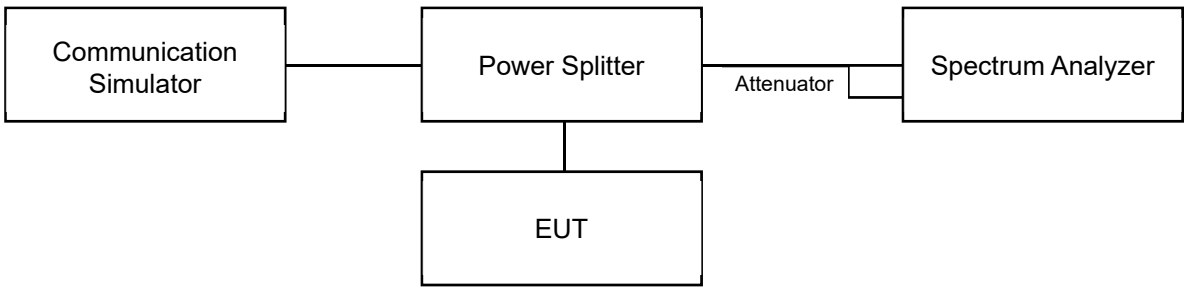


6.2.2 Test Procedure

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

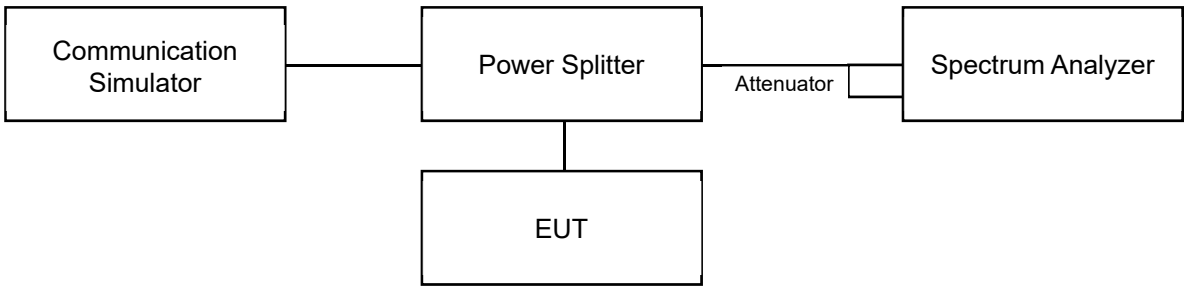


6.3.2 Test Procedure

a. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
b. Set the number of counts to a value that stabilizes the measured CCDF curve;
c. 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.

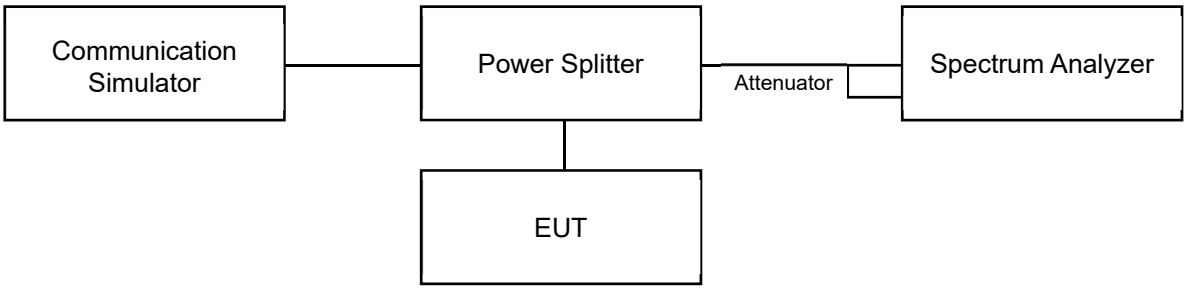
a. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
b. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and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

6.5 Conducted Spurious Emissions

6.5.1 Test Setup



6.5.2 Test Procedure

a. Measurement refer to ANSI C63.26 section 5.7.
b. All measurements were done at 3 channels: low, middle and high operational frequency range.
c. Measuring frequency range is from 9 kHz up to the tenth harmonic of the hightest fundamental frequency or to 40 GHz, whichever is lower. 20 dB attenuation pad is connected with spectrum.
d. The fundamental frequency above 1 GHz, the spectrum set RBW = 1 MHz, VBW = 3 MHz, Detector = Average.
e. The fundamental frequency below 1 GHz, the spectrum set RBW ≥ 100 kHz, VBW ≥ 3 x RBW, Detector = Average.
f. Measuring frequency band edge, narrow RBW (no less than 1% of the OBW) is used for conducted emission measurement.
g. 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* log(1000/100). To compensate for this integration before comparison to the value, the adjusted reference level offset was increase by 10 dB accordingly.
h. Record the maximum power value test plot.

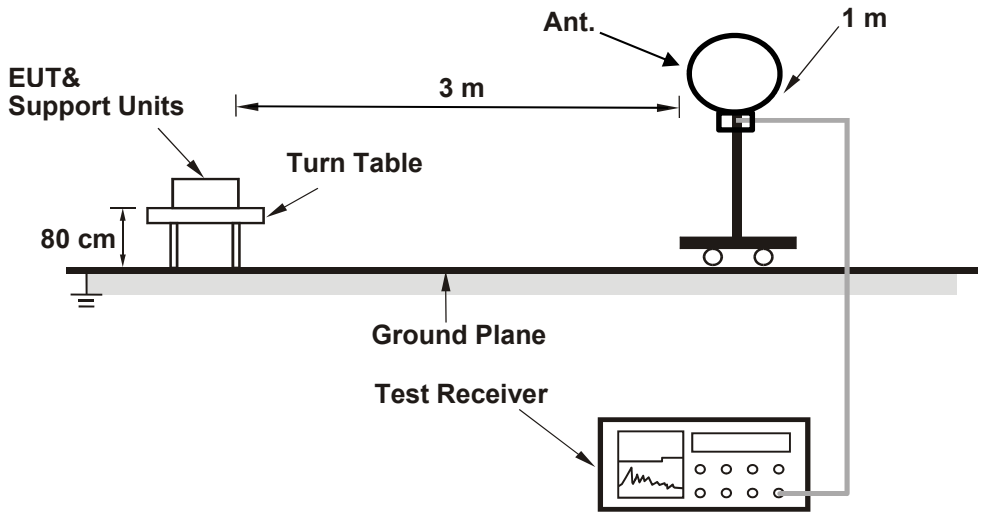
For Emission Mask:

a. Measurement refer to ANSI C63.26 section 5.7.
b. All measurements were done at 2 channels: low and high operational frequency range.
c. 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.
d. 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* log(1000/100). To compensate for this integration before comparison to the value, the adjusted reference level offset was increase by 10 dB accordingly.
e. Record the maximum power value test plot.

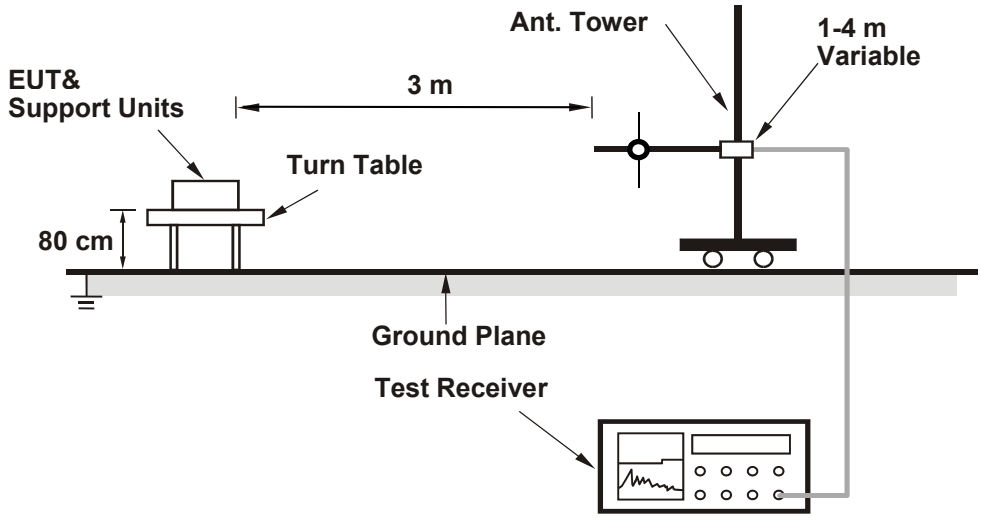
6.6 Radiated Spurious Emissions below 1GHz

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 (dBμV/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m.

f. ERP (dBm) = E (dBμV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

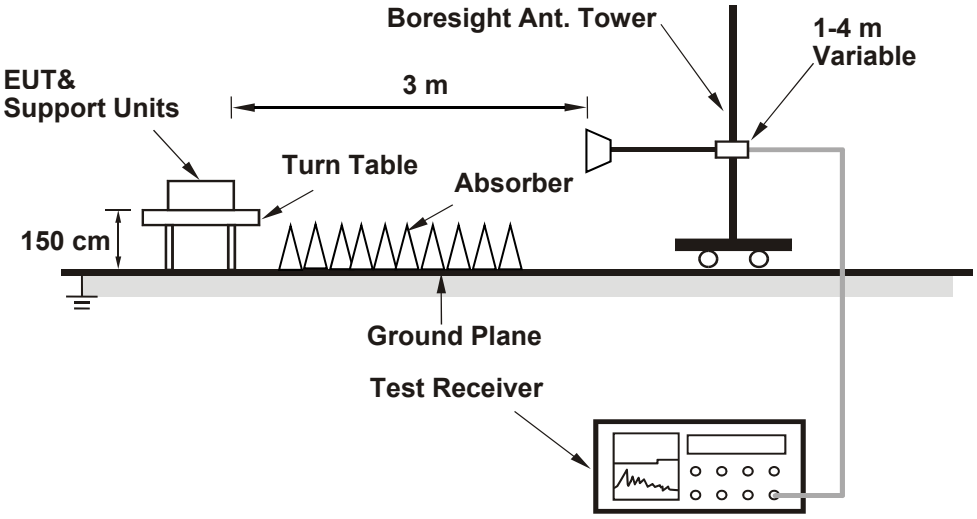
Note:

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.

a. 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.

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

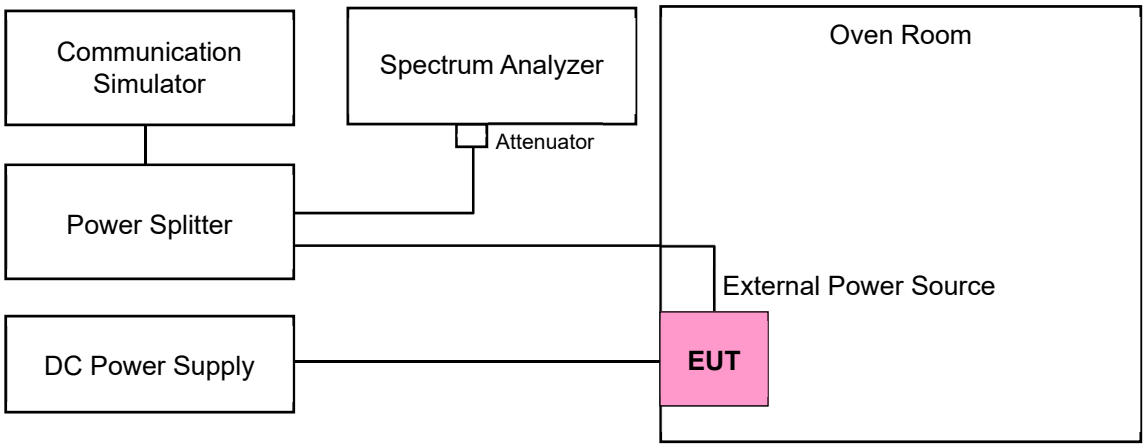
e. EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m.

f. ERP (dBm) = E (dBμV/m) + 20log(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.

a. 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.

b. 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.

c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ±0.5℃ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

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

7 Test Results of Test Item

7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Input Power:	3.85 Vdc	Environmental Conditions:	23°C, 62% RH	Tested By:	Charles Hsiao

7.1.1 WCDMA Band 2

Measurement Conducted Power (dBm)			
Band	WCDMA II		
TX Channel	9262	9400	9538
Rx Channel	9662	9800	9938
Frequency	1852.4	1880	1907.6
RMC 12.2K	25.16	25.01	24.94
HSDPA Subtest-1	25.11	24.96	24.87
HSDPA Subtest-2	25.07	24.87	24.83
HSDPA Subtest-3	24.51	24.37	24.31
HSDPA Subtest-4	24.61	24.42	24.31
DC-HSDPA Subtest-1	25.07	24.92	24.81
DC-HSDPA Subtest-2	25.1	24.93	24.81
DC-HSDPA Subtest-3	24.54	24.45	24.36
DC-HSDPA Subtest-4	24.57	24.45	24.34
HSUPA Subtest-1	25.04	24.87	24.8
HSUPA Subtest-2	23.03	22.95	22.87
HSUPA Subtest-3	24.02	23.87	23.85
HSUPA Subtest-4	23.05	22.96	22.84
HSUPA Subtest-5	25.1	24.94	24.89
HSPA+ Subtest-1	22.55	22.44	22.38

EIRP Power (dBm)

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
RMC 12.2K	24.94	25.16	27.42	27.64	33.01
HSDPA	24.31	25.11	26.79	27.59	33.01
HSUPA	22.38	25.1	24.86	27.58	33.01

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

7.1.2 WCDMA Band 4

Measurement Conducted Power (dBm)			
Band	WCDMA IV		
TX Channel	1312	1413	1513
Rx Channel	1537	1638	1738
Frequency	1712.4	1732.6	1752.6
RMC 12.2K	25.38	25.47	25.53
HSDPA Subtest-1	25.32	25.43	25.48
HSDPA Subtest-2	25.27	25.4	25.45
HSDPA Subtest-3	24.73	24.83	24.98
HSDPA Subtest-4	24.73	24.9	24.95
DC-HSDPA Subtest-1	25.29	25.37	25.44
DC-HSDPA Subtest-2	25.23	25.32	25.39
DC-HSDPA Subtest-3	24.76	24.88	24.95
DC-HSDPA Subtest-4	24.8	24.82	24.94
HSUPA Subtest-1	25.32	25.35	25.42
HSUPA Subtest-2	23.24	23.4	23.4
HSUPA Subtest-3	24.32	24.39	24.46
HSUPA Subtest-4	23.24	23.41	23.44
HSUPA Subtest-5	25.32	25.34	25.42
HSPA+ Subtest-1	22.81	22.88	22.91

EIRP Power (dBm)

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
RMC 12.2K	25.38	25.53	25.46	25.61	30
HSDPA	24.73	25.48	24.81	25.56	30
HSUPA	22.81	25.42	22.89	25.5	30

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

7.1.3 WCDMA Band 5

Measurement Conducted Power (dBm)			
Band	WCDMA V		
TX Channel	4132	4182	4233
Rx Channel	4357	4407	4458
Frequency	826.4	836.4	846.6
RMC 12.2K	24.76	24.74	24.78
HSDPA Subtest-1	24.73	24.68	24.74
HSDPA Subtest-2	24.65	24.6	24.68
HSDPA Subtest-3	24.21	24.11	24.16
HSDPA Subtest-4	24.14	24.14	24.14
DC-HSDPA Subtest-1	24.66	24.62	24.64
DC-HSDPA Subtest-2	24.71	24.68	24.73
DC-HSDPA Subtest-3	24.18	24.16	24.15
DC-HSDPA Subtest-4	24.16	24.18	24.14
HSUPA Subtest-1	24.66	24.69	24.7
HSUPA Subtest-2	22.71	22.64	22.7
HSUPA Subtest-3	23.66	23.67	23.72
HSUPA Subtest-4	22.7	22.64	22.65
HSUPA Subtest-5	24.67	24.63	24.67
HSPA+ Subtest-1	22.21	22.19	22.15

ERP Power (dBm)

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
RMC 12.2K	24.74	24.78	20.74	20.78	38.45
HSDPA	24.11	24.74	20.11	20.74	38.45
HSUPA	22.15	24.7	18.15	20.7	38.45

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

7.1.4 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	24.42	24.18	24.17
	1	2	24.39	24.11	24.09
	1	5	24.23	23.94	24.09
	3	0	24.34	24.08	24.05
	3	1	24.29	23.98	24.06
	3	3	24.15	23.83	23.96
	6	0	23.23	23.05	22.92
16QAM	1	0	23.23	22.99	22.93
	1	2	23.29	23.06	22.9
	1	5	23.22	22.97	22.97
	3	0	23.5	23.13	23.15
	3	1	23.18	22.93	23
	3	3	23.05	22.94	22.77
	6	0	22.22	22.08	21.96
64QAM	1	0	22.3	22.14	22.01
	1	2	22.21	21.93	21.96
	1	5	22.24	21.97	21.96
	3	0	22.09	22	21.82
	3	1	22.26	21.87	22.04
	3	3	22.2	21.92	22.01
	6	0	21.13	20.97	20.84
256QAM	1	0	19.48	19.06	19.07
	1	2	19.43	19.32	19.01
	1	5	19.28	19.01	19.12
	3	0	19.31	19.14	19.16
	3	1	19.4	19.08	18.92
	3	3	19.3	19	18.9
	6	0	19.36	19	18.94

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.92	24.42	25.40	26.90	33.01
16QAM	21.96	23.50	24.44	25.98	33.01
64QAM	20.84	22.30	23.32	24.78	33.01
256QAM	18.90	19.48	21.38	21.96	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	24.5	24.23	24.19
	1	7	24.39	24.18	24.1
	1	14	24.24	24.03	24.12
	8	0	23.54	23.29	23.29
	8	3	23.34	23.12	23.16
	8	7	23.19	23.02	22.93
	15	0	23.33	23.09	23
16QAM	1	0	23.32	23.02	22.97
	1	7	23.32	23.06	22.99
	1	14	23.26	23.03	22.99
	8	0	22.18	22.16	22.02
	8	3	22.35	22.07	22.13
	8	7	22.38	22.02	22.04
	15	0	22.27	22.12	22.02
64QAM	1	0	22.33	22.14	22.08
	1	7	22.24	22.02	22.04
	1	14	22.34	22.01	21.97
	8	0	21.51	21.15	21.08
	8	3	21.35	21.19	21.13
	8	7	21.3	21.11	21.11
	15	0	21.23	21.01	20.94
256QAM	1	0	19.52	19.16	19.08
	1	7	19.48	19.37	19.05
	1	14	19.38	19.11	19.16
	8	0	19.41	19.15	19.21
	8	3	19.44	19.1	19.01
	8	7	19.35	19.02	18.98
	15	0	19.38	19	19

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.93	24.50	25.41	26.98	33.01
16QAM	22.02	23.32	24.50	25.80	33.01
64QAM	20.94	22.34	23.42	24.82	33.01
256QAM	18.98	19.52	21.46	22.00	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	24.54	24.26	24.24
	1	12	24.4	24.19	24.18
	1	24	24.25	24.12	24.14
	12	0	23.55	23.29	23.29
	12	6	23.34	23.19	23.24
	12	13	23.27	23.04	23.02
	25	0	23.33	23.1	23.08
16QAM	1	0	23.32	23.09	23.07
	1	12	23.4	23.13	23.04
	1	24	23.28	23.05	23.09
	12	0	22.28	22.26	22.1
	12	6	22.37	22.15	22.17
	12	13	22.4	22.11	22.11
	25	0	22.32	22.16	22.06
64QAM	1	0	22.36	22.17	22.09
	1	12	22.27	22.1	22.07
	1	24	22.4	22.09	22.07
	12	0	21.6	21.19	21.15
	12	6	21.35	21.2	21.14
	12	13	21.4	21.17	21.12
	25	0	21.32	21.04	21.04
256QAM	1	0	19.53	19.23	19.17
	1	12	19.48	19.37	19.11
	1	24	19.45	19.17	19.21
	12	0	19.51	19.25	19.23
	12	6	19.45	19.15	19.1
	12	13	19.42	19.11	19.04
	25	0	19.4	19.06	19.05

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.02	24.54	25.50	27.02	33.01
16QAM	22.06	23.40	24.54	25.88	33.01
64QAM	21.04	22.40	23.52	24.88	33.01
256QAM	19.04	19.53	21.52	22.01	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	24.6	24.28	24.27
	1	24	24.48	24.24	24.19
	1	49	24.34	24.21	24.23
	25	0	23.56	23.31	23.3
	25	12	23.44	23.25	23.24
	25	25	23.35	23.13	23.1
	50	0	23.38	23.14	23.08
16QAM	1	0	23.34	23.15	23.17
	1	24	23.41	23.16	23.08
	1	49	23.37	23.07	23.14
	25	0	22.38	22.32	22.19
	25	12	22.46	22.23	22.22
	25	25	22.49	22.19	22.11
	50	0	22.35	22.18	22.09
64QAM	1	0	22.39	22.21	22.11
	1	24	22.36	22.16	22.1
	1	49	22.46	22.11	22.11
	25	0	21.65	21.22	21.23
	25	12	21.43	21.25	21.24
	25	25	21.42	21.17	21.12
	50	0	21.38	21.14	21.12
256QAM	1	0	19.56	19.27	19.26
	1	24	19.58	19.37	19.21
	1	49	19.54	19.23	19.25
	25	0	19.51	19.25	19.23
	25	12	19.45	19.25	19.13
	25	25	19.43	19.18	19.12
	50	0	19.4	19.14	19.09

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.08	24.60	25.56	27.08	33.01
16QAM	22.09	23.41	24.57	25.89	33.01
64QAM	21.12	22.46	23.60	24.94	33.01
256QAM	19.09	19.58	21.57	22.06	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	24.6	24.34	24.32
	1	37	24.51	24.25	24.2
	1	74	24.43	24.26	24.24
	36	0	23.6	23.36	23.31
	36	19	23.54	23.35	23.24
	36	39	23.41	23.23	23.17
	75	0	23.45	23.19	23.14
16QAM	1	0	23.42	23.24	23.18
	1	37	23.43	23.18	23.18
	1	74	23.38	23.17	23.17
	36	0	22.47	22.32	22.22
	36	19	22.51	22.27	22.31
	36	39	22.5	22.2	22.16
	75	0	22.42	22.18	22.17
64QAM	1	0	22.44	22.28	22.15
	1	37	22.37	22.26	22.16
	1	74	22.46	22.15	22.18
	36	0	21.65	21.27	21.3
	36	19	21.45	21.31	21.28
	36	39	21.44	21.26	21.18
	75	0	21.38	21.24	21.13
256QAM	1	0	19.59	19.36	19.35
	1	37	19.62	19.38	19.28
	1	74	19.59	19.28	19.34
	36	0	19.54	19.34	19.28
	36	19	19.55	19.3	19.21
	36	39	19.48	19.21	19.2
	75	0	19.41	19.23	19.18

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.14	24.60	25.62	27.08	33.01
16QAM	22.16	23.43	24.64	25.91	33.01
64QAM	21.13	22.46	23.61	24.94	33.01
256QAM	19.18	19.62	21.66	22.10	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	24.62	24.37	24.33
	1	50	24.6	24.33	24.3
	1	99	24.53	24.3	24.26
	50	0	23.68	23.65	23.61
	50	25	23.59	23.35	23.27
	50	50	23.48	23.31	23.22
	100	0	23.47	23.26	23.17
16QAM	1	0	23.5	23.3	23.2
	1	50	23.45	23.27	23.21
	1	99	23.46	23.25	23.19
	50	0	22.51	22.35	22.28
	50	25	22.61	22.33	22.32
	50	50	22.52	22.3	22.24
	100	0	22.48	22.27	22.24
64QAM	1	0	22.48	22.29	22.23
	1	50	22.45	22.27	22.18
	1	99	22.56	22.25	22.25
	50	0	21.66	21.36	21.34
	50	25	21.55	21.33	21.32
	50	50	21.51	21.26	21.24
	100	0	21.46	21.3	21.23
256QAM	1	0	19.67	19.45	19.38
	1	50	19.67	19.42	19.34
	1	99	19.62	19.37	19.34
	50	0	19.62	19.35	19.35
	50	25	19.58	19.3	19.26
	50	50	19.49	19.26	19.22
	100	0	19.45	19.29	19.22

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.17	24.62	25.65	27.10	33.01
16QAM	22.24	23.50	24.72	25.98	33.01
64QAM	21.23	22.56	23.71	25.04	33.01
256QAM	19.22	19.67	21.70	22.15	33.01

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

7.1.5 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	24.46	24.54	24.75
	1	2	24.26	24.61	24.63
	1	5	24.5	24.42	24.59
	3	0	24.32	24.5	24.69
	3	1	24.19	24.48	24.54
	3	3	24.35	24.41	24.52
	6	0	23.47	23.44	23.55
16QAM	1	0	23.47	23.62	23.54
	1	2	23.59	23.56	23.66
	1	5	23.28	23.59	23.63
	3	0	23.56	23.62	23.65
	3	1	23.38	23.55	23.53
	3	3	23.44	23.51	23.58
	6	0	22.47	22.47	22.6
64QAM	1	0	22.51	22.51	22.6
	1	2	22.41	22.51	22.46
	1	5	22.48	22.38	22.61
	3	0	22.62	22.64	22.54
	3	1	22.42	22.64	22.58
	3	3	22.57	22.44	22.49
	6	0	21.49	21.58	21.65
256QAM	1	0	19.7	19.59	19.75
	1	2	19.56	19.65	19.66
	1	5	19.53	19.62	19.7
	3	0	19.5	19.57	19.54
	3	1	19.54	19.72	19.61
	3	3	19.63	19.55	19.56
	6	0	19.42	19.65	19.63

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.44	24.75	23.52	24.83	30
16QAM	22.47	23.66	22.55	23.74	30
64QAM	21.49	22.64	21.57	22.72	30
256QAM	19.42	19.75	19.50	19.83	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	24.49	24.55	24.8
	1	7	24.35	24.66	24.73
	1	14	24.53	24.48	24.64
	8	0	23.68	23.83	23.77
	8	3	23.53	23.69	23.67
	8	7	23.53	23.63	23.64
	15	0	23.54	23.52	23.61
16QAM	1	0	23.56	23.68	23.58
	1	7	23.65	23.56	23.74
	1	14	23.38	23.59	23.65
	8	0	22.7	22.73	22.72
	8	3	22.61	22.75	22.68
	8	7	22.64	22.6	22.67
	15	0	22.56	22.57	22.62
64QAM	1	0	22.56	22.53	22.65
	1	7	22.5	22.53	22.53
	1	14	22.55	22.44	22.63
	8	0	21.65	21.76	21.85
	8	3	21.78	21.6	21.64
	8	7	21.56	21.57	21.65
	15	0	21.51	21.68	21.65
256QAM	1	0	19.72	19.69	19.8
	1	7	19.62	19.68	19.75
	1	14	19.63	19.65	19.7
	8	0	19.55	19.67	19.59
	8	3	19.55	19.73	19.64
	8	7	19.64	19.62	19.62
	15	0	19.42	19.66	19.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.52	24.80	23.60	24.88	30
16QAM	22.56	23.74	22.64	23.82	30
64QAM	21.51	22.65	21.59	22.73	30
256QAM	19.42	19.80	19.50	19.88	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	24.58	24.62	24.83
	1	12	24.43	24.67	24.73
	1	24	24.57	24.58	24.7
	12	0	23.69	23.83	23.83
	12	6	23.58	23.74	23.76
	12	13	23.62	23.66	23.72
	25	0	23.62	23.54	23.71
16QAM	1	0	23.61	23.71	23.68
	1	12	23.67	23.56	23.76
	1	24	23.46	23.61	23.67
	12	0	22.72	22.8	22.8
	12	6	22.61	22.85	22.76
	12	13	22.65	22.63	22.69
	25	0	22.61	22.64	22.71
64QAM	1	0	22.63	22.63	22.66
	1	12	22.5	22.55	22.57
	1	24	22.55	22.53	22.63
	12	0	21.66	21.81	21.88
	12	6	21.81	21.62	21.73
	12	13	21.58	21.64	21.71
	25	0	21.57	21.73	21.75
256QAM	1	0	19.78	19.69	19.83
	1	12	19.68	19.75	19.84
	1	24	19.68	19.67	19.79
	12	0	19.63	19.75	19.66
	12	6	19.62	19.73	19.65
	12	13	19.67	19.67	19.68
	25	0	19.52	19.66	19.67

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.54	24.83	23.62	24.91	30
16QAM	22.61	23.76	22.69	23.84	30
64QAM	21.57	22.66	21.65	22.74	30
256QAM	19.52	19.84	19.60	19.92	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	24.59	24.72	24.86
	1	24	24.53	24.68	24.78
	1	49	24.57	24.58	24.76
	25	0	23.77	23.85	23.89
	25	12	23.64	23.78	23.84
	25	25	23.7	23.69	23.78
	50	0	23.67	23.57	23.79
16QAM	1	0	23.71	23.73	23.71
	1	24	23.69	23.62	23.76
	1	49	23.56	23.63	23.7
	25	0	22.82	22.87	22.81
	25	12	22.63	22.85	22.86
	25	25	22.74	22.72	22.75
	50	0	22.68	22.73	22.74
64QAM	1	0	22.68	22.67	22.75
	1	24	22.55	22.59	22.65
	1	49	22.61	22.59	22.7
	25	0	21.73	21.82	21.89
	25	12	21.82	21.7	21.83
	25	25	21.6	21.72	21.8
	50	0	21.67	21.78	21.81
256QAM	1	0	19.8	19.79	19.86
	1	24	19.76	19.8	19.9
	1	49	19.74	19.76	19.83
	25	0	19.67	19.78	19.7
	25	12	19.67	19.75	19.7
	25	25	19.74	19.75	19.77
	50	0	19.62	19.74	19.72

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.57	24.86	23.65	24.94	30
16QAM	22.63	23.76	22.71	23.84	30
64QAM	21.60	22.75	21.68	22.83	30
256QAM	19.62	19.90	19.70	19.98	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	24.65	24.75	24.88
	1	37	24.61	24.75	24.85
	1	74	24.57	24.62	24.83
	36	0	23.83	23.88	23.91
	36	19	23.68	23.79	23.88
	36	39	23.73	23.76	23.83
	75	0	23.67	23.67	23.82
16QAM	1	0	23.78	23.77	23.79
	1	37	23.76	23.7	23.83
	1	74	23.61	23.68	23.79
	36	0	22.82	22.89	22.91
	36	19	22.7	22.85	22.94
	36	39	22.79	22.77	22.83
	75	0	22.78	22.76	22.81
64QAM	1	0	22.72	22.73	22.82
	1	37	22.62	22.69	22.74
	1	74	22.66	22.66	22.75
	36	0	21.82	21.9	21.91
	36	19	21.82	21.8	21.89
	36	39	21.67	21.74	21.81
	75	0	21.72	21.78	21.82
256QAM	1	0	19.82	19.88	19.89
	1	37	19.85	19.89	19.94
	1	74	19.77	19.83	19.87
	36	0	19.7	19.81	19.8
	36	19	19.68	19.77	19.79
	36	39	19.74	19.75	19.86
	75	0	19.63	19.74	19.79

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.67	24.88	23.75	24.96	30
16QAM	22.70	23.83	22.78	23.91	30
64QAM	21.67	22.82	21.75	22.90	30
256QAM	19.63	19.94	19.71	20.02	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	24.73	24.78	24.92
	1	50	24.7	24.75	24.9
	1	99	24.66	24.72	24.86
	50	0	23.84	23.89	23.93
	50	25	23.7	23.8	23.9
	50	50	23.75	23.81	23.88
	100	0	23.72	23.77	23.83
16QAM	1	0	23.79	23.81	23.85
	1	50	23.76	23.78	23.83
	1	99	23.68	23.75	23.79
	50	0	22.83	22.89	22.96
	50	25	22.78	22.86	22.94
	50	50	22.83	22.86	22.9
	100	0	22.8	22.82	22.88
64QAM	1	0	22.72	22.78	22.85
	1	50	22.69	22.75	22.81
	1	99	22.67	22.73	22.83
	50	0	21.87	21.9	21.93
	50	25	21.82	21.86	21.9
	50	50	21.75	21.77	21.84
	100	0	21.78	21.82	21.86
256QAM	1	0	19.92	19.95	19.99
	1	50	19.88	19.91	19.96
	1	99	19.82	19.85	19.92
	50	0	19.78	19.86	19.9
	50	25	19.68	19.77	19.84
	50	50	19.74	19.83	19.86
	100	0	19.71	19.78	19.82

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.70	24.92	23.78	25.00	30
16QAM	22.78	23.85	22.86	23.93	30
64QAM	21.75	22.85	21.83	22.93	30
256QAM	19.68	19.99	19.76	20.07	30

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

7.1.6 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	25.08	25.03	25.05
	1	2	24.99	25	24.93
	1	5	25.04	24.83	24.91
	3	0	24.4	24.27	24.36
	3	1	24.38	24.26	24.3
	3	3	24.26	24.24	24.22
	6	0	23.94	23.99	23.76
16QAM	1	0	23.91	23.75	23.82
	1	2	23.9	23.98	23.88
	1	5	23.91	23.92	23.81
	3	0	23.4	23.3	23.28
	3	1	23.41	23.27	23.25
	3	3	23.23	23.22	23.23
	6	0	22.94	22.9	22.74
64QAM	1	0	22.96	22.67	22.59
	1	2	22.8	22.83	22.81
	1	5	22.9	22.74	22.79
	3	0	22.48	22.28	22.31
	3	1	22.33	22.34	22.28
	3	3	22.22	22.26	22.25
	6	0	21.97	21.86	22.03
256QAM	1	0	20.01	19.98	19.89
	1	2	20.04	20.06	19.98
	1	5	20.08	19.86	19.78
	3	0	20.02	19.96	19.82
	3	1	19.98	19.99	19.93
	3	3	19.89	19.78	19.87
	6	0	19.89	19.8	19.74

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	23.76	25.08	19.76	21.08	38.45
16QAM	22.74	23.98	18.74	19.98	38.45
64QAM	21.86	22.96	17.86	18.96	38.45
256QAM	19.74	20.08	15.74	16.08	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	25.05	24.98	25.03
	1	7	24.98	24.98	24.98
	1	14	25.06	24.8	24.93
	8	0	24.14	24	24.05
	8	3	24.04	23.72	23.89
	8	7	23.96	23.9	23.77
	15	0	23.99	23.99	23.87
16QAM	1	0	24.08	23.8	23.73
	1	7	23.99	23.82	23.95
	1	14	23.92	23.9	23.87
	8	0	22.87	22.72	22.86
	8	3	22.9	22.8	22.81
	8	7	22.81	22.74	22.73
	15	0	22.88	22.86	22.68
64QAM	1	0	22.87	22.7	22.64
	1	7	22.83	22.81	22.69
	1	14	22.87	22.71	22.66
	8	0	21.88	21.88	21.78
	8	3	21.99	21.95	21.92
	8	7	22.05	21.6	21.81
	15	0	21.97	21.93	21.95
256QAM	1	0	20.19	19.96	20
	1	7	20.13	19.93	19.94
	1	14	20.07	19.92	19.9
	8	0	20.09	19.95	19.77
	8	3	19.99	19.95	19.86
	8	7	19.98	19.69	19.82
	15	0	19.82	19.79	19.79

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	23.72	25.06	19.72	21.06	38.45
16QAM	22.68	24.08	18.68	20.08	38.45
64QAM	21.60	22.87	17.60	18.87	38.45
256QAM	19.69	20.19	15.69	16.19	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	25.15	25.11	25.09
	1	12	25.08	25.06	25.06
	1	24	25.06	24.85	24.95
	12	0	24.05	24.07	24.05
	12	6	24.05	23.85	23.99
	12	13	23.99	23.9	23.86
	25	0	24.08	24.02	23.98
16QAM	1	0	24.11	23.85	23.88
	1	12	23.99	23.93	23.97
	1	24	24.02	23.94	23.88
	12	0	23.02	22.86	22.87
	12	6	22.99	22.9	22.88
	12	13	22.94	22.88	22.84
	25	0	22.96	22.88	22.8
64QAM	1	0	23	22.78	22.78
	1	12	22.97	22.91	22.77
	1	24	22.93	22.79	22.78
	12	0	22.03	22	21.93
	12	6	22.01	21.97	21.99
	12	13	22.06	21.72	21.91
	25	0	21.99	21.99	22.03
256QAM	1	0	20.2	19.98	20.01
	1	12	20.15	20.04	20
	1	24	20.09	19.93	19.96
	12	0	20.13	20.03	19.89
	12	6	20.06	20.06	19.98
	12	13	19.98	19.81	19.93
	25	0	19.94	19.86	19.87

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	23.85	25.15	19.85	21.15	38.45
16QAM	22.80	24.11	18.80	20.11	38.45
64QAM	21.72	23.00	17.72	19.00	38.45
256QAM	19.81	20.20	15.81	16.20	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	25.21	25.16	25.18
	1	24	25.18	25.08	25.13
	1	49	25.14	24.94	25.03
	25	0	24.15	24.07	24.1
	25	12	24.11	23.94	24.01
	25	25	24.05	23.99	23.92
	50	0	24.09	24.02	23.98
16QAM	1	0	24.11	23.9	23.94
	1	24	24.08	23.99	24.01
	1	49	24.06	23.96	23.95
	25	0	23.09	22.91	22.93
	25	12	23.05	23	22.92
	25	25	23	22.9	22.88
	50	0	23.02	22.93	22.85
64QAM	1	0	23.04	22.86	22.84
	1	24	23	22.93	22.87
	1	49	22.97	22.8	22.85
	25	0	22.12	22.06	21.94
	25	12	22.1	22.05	22.03
	25	25	22.06	21.81	21.98
	50	0	22.08	22.05	22.06
256QAM	1	0	20.22	20.06	20.06
	1	24	20.18	20.09	20.03
	1	49	20.15	19.93	19.98
	25	0	20.13	20.06	19.98
	25	12	20.1	20.06	20.02
	25	25	20.07	19.88	20.03
	50	0	20.03	19.88	19.89

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	23.92	25.21	19.92	21.21	38.45
16QAM	22.85	24.11	18.85	20.11	38.45
64QAM	21.81	23.04	17.81	19.04	38.45
256QAM	19.88	20.22	15.88	16.22	38.45

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

7.1.7 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	25.19	25.24	25.33
	1	2	25.16	25.19	25.27
	1	5	25.12	25.16	25.23
	3	0	25.17	25.08	25.22
	3	1	25.04	25.1	25.23
	3	3	25.04	25.14	25.13
	6	0	24.28	24.22	24.41
16QAM	1	0	24.27	24.11	24.39
	1	2	24.22	24.11	24.34
	1	5	24.22	24.16	24.24
	3	0	24.28	24.14	24.4
	3	1	24.21	24.23	24.33
	3	3	24.21	24.1	24.34
	6	0	23.27	23.14	23.25
64QAM	1	0	23.28	23.24	23.31
	1	2	23.06	23.12	23.31
	1	5	23.23	23.13	23.18
	3	0	23.15	23.14	23.3
	3	1	23.13	23.12	23.18
	3	3	23.18	23.13	23.15
	6	0	22.05	22.08	22.11
256QAM	1	0	20.22	20.21	20.36
	1	2	20.23	20.27	20.43
	1	5	20.21	20.17	20.28
	3	0	20.19	20.26	20.29
	3	1	20.16	20.13	20.19
	3	3	20.13	20.06	20.28
	6	0	20.24	20.11	20.21

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	24.22	25.33	15.87	16.98	34.77
16QAM	23.14	24.40	14.79	16.05	34.77
64QAM	22.05	23.31	13.7	14.96	34.77
256QAM	20.06	20.43	11.71	12.08	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	25.29	25.3	25.38
	1	7	25.25	25.19	25.29
	1	14	25.18	25.21	25.3
	8	0	24.44	24.36	24.52
	8	3	24.37	24.32	24.55
	8	7	24.32	24.32	24.47
	15	0	24.34	24.29	24.47
16QAM	1	0	24.29	24.17	24.47
	1	7	24.28	24.13	24.44
	1	14	24.31	24.23	24.3
	8	0	23.35	23.31	23.41
	8	3	23.28	23.32	23.36
	8	7	23.26	23.26	23.28
	15	0	23.33	23.21	23.32
64QAM	1	0	23.32	23.25	23.41
	1	7	23.13	23.17	23.4
	1	14	23.24	23.17	23.2
	8	0	22.24	22.15	22.32
	8	3	22.14	22.08	22.32
	8	7	22.17	22.01	22.3
	15	0	22.14	22.08	22.18
256QAM	1	0	20.27	20.28	20.46
	1	7	20.32	20.29	20.45
	1	14	20.29	20.19	20.3
	8	0	20.25	20.27	20.31
	8	3	20.24	20.23	20.28
	8	7	20.21	20.07	20.34
	15	0	20.27	20.19	20.26

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	24.29	25.38	15.94	17.03	34.77
16QAM	23.21	24.47	14.86	16.12	34.77
64QAM	22.01	23.41	13.66	15.06	34.77
256QAM	20.07	20.46	11.72	12.11	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	25.31	25.31	25.41
	1	12	25.28	25.28	25.36
	1	24	25.25	25.24	25.33
	12	0	24.5	24.45	24.57
	12	6	24.47	24.34	24.56
	12	13	24.41	24.37	24.5
	25	0	24.37	24.33	24.49
16QAM	1	0	24.38	24.26	24.47
	1	12	24.3	24.22	24.45
	1	24	24.34	24.27	24.37
	12	0	23.35	23.41	23.51
	12	6	23.33	23.34	23.42
	12	13	23.29	23.26	23.36
	25	0	23.38	23.31	23.33
64QAM	1	0	23.36	23.25	23.41
	1	12	23.19	23.2	23.4
	1	24	23.34	23.22	23.27
	12	0	22.3	22.25	22.42
	12	6	22.22	22.13	22.36
	12	13	22.21	22.1	22.33
	25	0	22.21	22.18	22.27
256QAM	1	0	20.36	20.28	20.46
	1	12	20.39	20.36	20.48
	1	24	20.37	20.27	20.4
	12	0	20.34	20.32	20.38
	12	6	20.27	20.26	20.35
	12	13	20.27	20.09	20.35
	25	0	20.32	20.21	20.29

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	24.33	25.41	15.98	17.06	34.77
16QAM	23.26	24.47	14.91	16.12	34.77
64QAM	22.10	23.41	13.75	15.06	34.77
256QAM	20.09	20.48	11.74	12.13	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	25.39	25.35	25.44
	1	24	25.34	25.29	25.4
	1	49	25.28	25.25	25.36
	25	0	24.55	24.47	24.59
	25	12	24.5	24.44	24.57
	25	25	24.48	24.41	24.55
	50	0	24.45	24.38	24.52
16QAM	1	0	24.41	24.36	24.49
	1	24	24.4	24.31	24.46
	1	49	24.36	24.34	24.44
	25	0	23.45	23.42	23.51
	25	12	23.42	23.4	23.48
	25	25	23.39	23.32	23.46
	50	0	23.4	23.34	23.42
64QAM	1	0	23.37	23.31	23.44
	1	24	23.29	23.25	23.4
	1	49	23.35	23.23	23.37
	25	0	22.31	22.29	22.43
	25	12	22.29	22.21	22.4
	25	25	22.31	22.19	22.38
	50	0	22.25	22.22	22.35
256QAM	1	0	20.41	20.33	20.52
	1	24	20.41	20.37	20.49
	1	49	20.39	20.28	20.47
	25	0	20.39	20.33	20.44
	25	12	20.37	20.31	20.4
	25	25	20.29	20.18	20.37
	50	0	20.32	20.22	20.34

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	24.38	25.44	16.03	17.09	34.77
16QAM	23.32	24.49	14.97	16.14	34.77
64QAM	22.19	23.44	13.84	15.09	34.77
256QAM	20.18	20.52	11.83	12.17	34.77

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

7.1.8 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	24.78	25.56	24.77
	1	12	24.78	25.49	24.78
	1	24	24.75	25.43	24.66
	12	0	24.08	24.82	23.99
	12	6	24.12	24.85	24.07
	12	13	24.06	24.78	23.91
	25	0	24.05	24.81	24.1
16QAM	1	0	24.07	24.73	23.95
	1	12	23.95	24.75	24.02
	1	24	23.98	24.68	23.93
	12	0	23.09	23.92	23.04
	12	6	23.07	23.87	23.04
	12	13	23.06	23.82	22.98
	25	0	23.01	23.8	22.95
64QAM	1	0	23.02	23.87	23
	1	12	23.11	23.82	22.93
	1	24	22.93	23.76	22.91
	12	0	22.27	23.01	22.21
	12	6	22.22	23.04	22.19
	12	13	22.31	22.98	22.32
	25	0	22.16	22.94	22.09
256QAM	1	0	20.04	20.8	19.91
	1	12	20.05	20.75	19.93
	1	24	19.99	20.75	19.94
	12	0	19.91	20.69	19.88
	12	6	19.9	20.64	19.85
	12	13	19.88	20.58	19.82
	25	0	19.91	20.7	19.89

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	23.91	25.56	19.64	21.29	34.77
16QAM	22.95	24.75	18.68	20.48	34.77
64QAM	22.09	23.87	17.82	19.60	34.77
256QAM	19.82	20.80	15.55	16.53	34.77

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	25.59
	1	24	25.55
	1	49	25.53
	25	0	24.89
	25	12	24.86
	25	25	24.81
	50	0	24.85
16QAM	1	0	24.81
	1	24	24.78
	1	49	24.75
	25	0	23.96
	25	12	23.93
	25	25	23.9
	50	0	23.84
64QAM	1	0	23.87
	1	24	23.83
	1	49	23.76
	25	0	23.08
	25	12	23.05
	25	25	23.03
	50	0	22.98
256QAM	1	0	20.86
	1	24	20.82
	1	49	20.79
	25	0	20.74
	25	12	20.71
	25	25	20.65
	50	0	20.75

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	24.81	25.59	20.54	21.32	34.77
16QAM	23.84	24.81	19.57	20.54	34.77
64QAM	22.98	23.87	18.71	19.60	34.77
256QAM	20.65	20.86	16.38	16.59	34.77

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

7.1.9 LTE Band 14

LTE Band 14, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23305	CH 23330	CH 23355
			790.5 MHz	793 MHz	795.5 MHz
QPSK	1	0	23.57	23.62	23.51
	1	12	23.55	23.6	23.46
	1	24	23.48	23.58	23.47
	12	0	22.8	22.84	22.72
	12	6	22.78	22.84	22.68
	12	13	22.79	22.8	22.74
	25	0	22.64	22.77	22.56
16QAM	1	0	22.65	22.76	22.65
	1	12	22.65	22.73	22.51
	1	24	22.55	22.67	22.5
	12	0	21.92	21.89	21.81
	12	6	21.78	21.86	21.75
	12	13	21.82	21.82	21.83
	25	0	21.77	21.78	21.77
64QAM	1	0	21.78	21.74	21.7
	1	12	21.68	21.78	21.57
	1	24	21.66	21.74	21.64
	12	0	20.92	20.96	20.87
	12	6	20.86	20.93	20.8
	12	13	20.89	20.92	20.87
	25	0	20.84	20.88	20.7
256QAM	1	0	18.84	18.93	18.84
	1	12	18.78	18.85	18.77
	1	24	18.82	18.83	18.72
	12	0	18.76	18.86	18.71
	12	6	18.81	18.77	18.72
	12	13	18.79	18.74	18.71
	25	0	18.7	18.78	18.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.56	23.62	18.29	19.35	34.77
16QAM	21.75	22.76	17.48	18.49	34.77
64QAM	20.70	21.78	16.43	17.51	34.77
256QAM	18.66	18.93	14.39	14.66	34.77

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

LTE Band 14, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23330
			793 MHz
QPSK	1	0	23.91
	1	24	23.89
	1	49	23.88
	25	0	22.93
	25	12	22.91
	25	25	22.87
	50	0	22.87
16QAM	1	0	22.86
	1	24	22.88
	1	49	22.89
	25	0	21.82
	25	12	21.84
	25	25	21.85
	50	0	21.89
64QAM	1	0	21.87
	1	24	21.82
	1	49	21.86
	25	0	20.91
	25	12	20.86
	25	25	20.9
	50	0	20.81
256QAM	1	0	18.84
	1	24	18.83
	1	49	18.89
	25	0	18.9
	25	12	18.84
	25	25	18.82
	50	0	18.88

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.87	23.91	18.60	19.64	34.77
16QAM	21.82	22.89	17.55	18.62	34.77
64QAM	20.81	21.87	16.54	17.60	34.77
256QAM	18.82	18.90	14.55	14.63	34.77

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

7.1.10LTE Band 17

LTE Band 17, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23755	CH 23790	CH 23825
			706.5 MHz	710 MHz	713.5 MHz
QPSK	1	0	25.32	25.25	25.24
	1	12	25.27	25.21	25.14
	1	24	25.21	25.19	25.17
	12	0	24.54	24.43	24.38
	12	6	24.46	24.47	24.41
	12	13	24.49	24.43	24.26
	25	0	24.38	24.33	24.27
16QAM	1	0	24.39	24.41	24.24
	1	12	24.46	24.36	24.42
	1	24	24.36	24.36	24.34
	12	0	23.42	23.38	23.42
	12	6	23.47	23.37	23.22
	12	13	23.36	23.3	23.27
	25	0	23.29	23.22	23.19
64QAM	1	0	23.38	23.35	23.29
	1	12	23.34	23.33	23.29
	1	24	23.38	23.23	23.17
	12	0	22.51	22.47	22.49
	12	6	22.47	22.52	22.49
	12	13	22.5	22.42	22.32
	25	0	22.48	22.45	22.4
256QAM	1	0	20.41	20.39	20.33
	1	12	20.38	20.38	20.38
	1	24	20.38	20.39	20.39
	12	0	20.35	20.26	20.28
	12	6	20.31	20.32	20.23
	12	13	20.26	20.17	20.16
	25	0	20.29	20.31	20.29

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	24.26	25.32	15.91	16.97	34.77
16QAM	23.19	24.46	14.84	16.11	34.77
64QAM	22.32	23.38	13.97	15.03	34.77
256QAM	20.16	20.41	11.81	12.06	34.77

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

LTE Band 17, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23780	CH 23790	CH 23800
			709 MHz	710 MHz	711 MHz
QPSK	1	0	25.37	25.27	25.24
	1	24	25.33	25.25	25.21
	1	49	25.29	25.24	25.19
	25	0	24.55	24.51	24.46
	25	12	24.53	24.47	24.43
	25	25	24.51	24.43	24.36
	50	0	24.45	24.38	24.28
16QAM	1	0	24.49	24.43	24.34
	1	24	24.46	24.45	24.44
	1	49	24.44	24.36	24.36
	25	0	23.51	23.48	23.44
	25	12	23.49	23.39	23.31
	25	25	23.45	23.4	23.37
	50	0	23.39	23.29	23.24
64QAM	1	0	23.43	23.43	23.33
	1	24	23.4	23.33	23.33
	1	49	23.39	23.31	23.23
	25	0	22.59	22.55	22.49
	25	12	22.56	22.56	22.49
	25	25	22.52	22.5	22.41
	50	0	22.55	22.5	22.47
256QAM	1	0	20.48	20.46	20.4
	1	24	20.46	20.45	20.4
	1	49	20.43	20.43	20.42
	25	0	20.39	20.34	20.33
	25	12	20.34	20.32	20.3
	25	25	20.3	20.27	20.19
	50	0	20.36	20.32	20.32

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	24.28	25.37	15.93	17.02	34.77
16QAM	23.24	24.49	14.89	16.14	34.77
64QAM	22.41	23.43	14.06	15.08	34.77
256QAM	20.19	20.48	11.84	12.13	34.77

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

7.1.11LTE 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	24.76	24.76	24.58
	1	2	24.61	24.66	24.58
	1	5	24.53	24.75	24.65
	3	0	24.61	24.77	24.71
	3	1	24.73	24.7	24.63
	3	3	24.64	24.71	24.72
	6	0	23.56	23.76	23.52
16QAM	1	0	23.65	23.5	23.47
	1	2	23.54	23.6	23.52
	1	5	23.54	23.47	23.43
	3	0	23.74	23.61	23.65
	3	1	23.75	23.77	23.69
	3	3	23.61	23.66	23.55
	6	0	22.64	22.75	22.49
64QAM	1	0	22.58	22.72	22.64
	1	2	22.75	22.77	22.67
	1	5	22.75	22.71	22.59
	3	0	22.71	22.92	22.83
	3	1	22.78	22.7	22.73
	3	3	22.81	22.75	22.7
	6	0	21.62	21.81	21.62
256QAM	1	0	19.85	20	19.9
	1	2	19.69	19.93	19.7
	1	5	19.89	19.85	19.79
	3	0	19.67	19.89	19.87
	3	1	19.79	19.96	19.91
	3	3	19.74	19.8	19.64
	6	0	19.56	19.67	19.55

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.52	24.77	26.00	27.25	33.01
16QAM	22.49	23.77	24.97	26.25	33.01
64QAM	21.62	22.92	24.10	25.40	33.01
256QAM	19.55	20.00	22.03	22.48	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	24.81	24.76	24.71
	1	7	24.6	24.71	24.64
	1	14	24.58	24.66	24.65
	8	0	23.76	23.9	23.73
	8	3	23.78	23.89	23.64
	8	7	23.76	23.84	23.72
	15	0	23.54	23.71	23.64
16QAM	1	0	23.77	23.68	23.61
	1	7	23.59	23.66	23.6
	1	14	23.56	23.63	23.55
	8	0	22.89	22.77	22.7
	8	3	22.77	22.84	22.7
	8	7	22.75	22.74	22.6
	15	0	22.68	22.88	22.61
64QAM	1	0	22.68	22.73	22.77
	1	7	22.7	22.81	22.72
	1	14	22.67	22.76	22.6
	8	0	21.85	21.98	21.86
	8	3	21.82	21.85	21.78
	8	7	21.85	21.87	21.73
	15	0	21.66	21.92	21.69
256QAM	1	0	19.94	20.09	19.88
	1	7	19.8	20.01	19.89
	1	14	19.95	19.92	19.91
	8	0	19.92	19.86	19.9
	8	3	19.88	19.95	19.86
	8	7	19.85	19.83	19.78
	15	0	19.68	19.84	19.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.54	24.81	26.02	27.29	33.01
16QAM	22.60	23.77	25.08	26.25	33.01
64QAM	21.66	22.81	24.14	25.29	33.01
256QAM	19.66	20.09	22.14	22.57	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	24.83	24.82	24.77
	1	12	24.68	24.78	24.66
	1	24	24.66	24.76	24.74
	12	0	23.79	23.96	23.74
	12	6	23.87	23.92	23.74
	12	13	23.77	23.85	23.77
	25	0	23.54	23.76	23.64
16QAM	1	0	23.79	23.74	23.62
	1	12	23.62	23.68	23.62
	1	24	23.66	23.64	23.55
	12	0	22.89	22.82	22.8
	12	6	22.86	22.92	22.8
	12	13	22.83	22.79	22.68
	25	0	22.72	22.88	22.64
64QAM	1	0	22.75	22.82	22.77
	1	12	22.8	22.85	22.78
	1	24	22.76	22.8	22.69
	12	0	21.89	22.01	21.92
	12	6	21.87	21.9	21.79
	12	13	21.88	21.96	21.82
	25	0	21.76	21.95	21.75
256QAM	1	0	20.01	20.11	19.97
	1	12	19.89	20.06	19.9
	1	24	20.01	19.96	19.91
	12	0	19.92	19.91	19.91
	12	6	19.94	20.01	19.95
	12	13	19.9	19.85	19.86
	25	0	19.72	19.88	19.69

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.54	24.83	26.02	27.31	33.01
16QAM	22.64	23.79	25.12	26.27	33.01
64QAM	21.75	22.85	24.23	25.33	33.01
256QAM	19.69	20.11	22.17	22.59	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	24.87	24.9	24.83
	1	24	24.78	24.86	24.74
	1	49	24.66	24.89	24.74
	25	0	23.8	23.96	23.82
	25	12	23.9	23.94	23.74
	25	25	23.79	23.95	23.81
	50	0	23.63	23.82	23.64
16QAM	1	0	23.79	23.77	23.67
	1	24	23.72	23.77	23.66
	1	49	23.67	23.73	23.63
	25	0	22.96	22.9	22.83
	25	12	22.86	23	22.9
	25	25	22.85	22.89	22.75
	50	0	22.77	22.89	22.71
64QAM	1	0	22.79	22.91	22.78
	1	24	22.83	22.93	22.84
	1	49	22.82	22.85	22.7
	25	0	21.97	22.01	22.02
	25	12	21.91	21.94	21.89
	25	25	21.93	22	21.87
	50	0	21.8	21.97	21.79
256QAM	1	0	20.01	20.18	20.07
	1	24	19.99	20.11	19.91
	1	49	20.03	20.04	19.96
	25	0	19.94	20.01	19.93
	25	12	20.01	20.02	20
	25	25	19.9	19.9	19.9
	50	0	19.8	19.92	19.77

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.63	24.90	26.11	27.38	33.01
16QAM	22.71	23.79	25.19	26.27	33.01
64QAM	21.79	22.93	24.27	25.41	33.01
256QAM	19.77	20.18	22.25	22.66	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	24.9	24.94	24.83
	1	37	24.81	24.92	24.84
	1	74	24.74	24.9	24.81
	36	0	23.9	24.01	23.88
	36	19	23.93	23.97	23.84
	36	39	23.86	23.95	23.84
	75	0	23.73	23.87	23.72
16QAM	1	0	23.8	23.85	23.75
	1	37	23.73	23.81	23.73
	1	74	23.71	23.75	23.68
	36	0	22.98	22.98	22.91
	36	19	22.96	23.01	22.94
	36	39	22.88	22.93	22.78
	75	0	22.83	22.89	22.77
64QAM	1	0	22.87	23.01	22.82
	1	37	22.87	22.96	22.87
	1	74	22.9	22.86	22.79
	36	0	22.06	22.1	22.04
	36	19	21.98	22.02	21.91
	36	39	21.97	22.06	21.95
	75	0	21.83	22	21.89
256QAM	1	0	20.1	20.22	20.11
	1	37	19.99	20.16	19.98
	1	74	20.08	20.09	20.05
	36	0	20	20.07	19.93
	36	19	20.05	20.06	20.01
	36	39	19.99	20	19.92
	75	0	19.87	19.99	19.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.72	24.94	26.20	27.42	33.01
16QAM	22.77	23.85	25.25	26.33	33.01
64QAM	21.83	23.01	24.31	25.49	33.01
256QAM	19.83	20.22	22.31	22.70	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	24.92	25.01	24.89
	1	50	24.86	24.98	24.86
	1	99	24.83	24.92	24.83
	50	0	24.05	24.11	23.97
	50	25	23.95	24.01	23.93
	50	50	23.9	23.97	23.91
	100	0	23.77	23.93	23.79
16QAM	1	0	23.86	23.95	23.84
	1	50	23.77	23.91	23.76
	1	99	23.76	23.88	23.77
	50	0	23.07	23.08	23
	50	25	22.98	23.05	22.97
	50	50	22.89	23.01	22.87
	100	0	22.87	22.97	22.82
64QAM	1	0	22.89	23.02	22.9
	1	50	22.96	22.99	22.94
	1	99	22.93	22.95	22.87
	50	0	22.08	22.13	22.04
	50	25	22.04	22.1	22.01
	50	50	22.01	22.06	21.99
	100	0	21.93	22.03	21.9
256QAM	1	0	20.2	20.22	20.13
	1	50	20.06	20.18	20.06
	1	99	20.11	20.15	20.08
	50	0	20	20.13	20.03
	50	25	20.08	20.1	20.01
	50	50	20.03	20.07	20.02
	100	0	19.9	20.02	19.91

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.77	25.01	26.25	27.49	33.01
16QAM	22.82	23.95	25.30	26.43	33.01
64QAM	21.90	23.02	24.38	25.50	33.01
256QAM	19.90	20.22	22.38	22.70	33.01

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

7.1.12LTE 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	24.9	24.8	24.77
	1	2	24.93	24.65	24.68
	1	5	24.72	24.74	24.68
	3	0	24.85	24.47	24.64
	3	1	24.91	24.54	24.45
	3	3	24.8	24.47	24.58
	6	0	24.13	23.97	23.83
16QAM	1	0	24	23.97	23.97
	1	2	24.22	23.9	24.03
	1	5	23.99	23.83	23.9
	3	0	24.18	23.73	23.79
	3	1	24.14	23.88	23.91
	3	3	24.13	23.82	23.82
	6	0	22.86	22.85	22.79
64QAM	1	0	22.86	22.62	22.64
	1	2	22.8	22.66	22.64
	1	5	22.83	22.49	22.44
	3	0	22.89	22.77	22.71
	3	1	23.13	22.73	22.75
	3	3	22.91	22.85	22.85
	6	0	21.92	21.82	21.81
256QAM	1	0	19.92	19.74	19.74
	1	2	20.03	19.87	19.77
	1	5	19.92	19.86	19.83
	3	0	19.98	19.82	19.78
	3	1	19.91	19.79	19.81
	3	3	19.9	19.58	19.72
	6	0	19.98	19.67	19.68

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	23.83	24.93	19.83	20.93	50
16QAM	22.79	24.22	18.79	20.22	50
64QAM	21.81	23.13	17.81	19.13	50
256QAM	19.58	20.03	15.58	16.03	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	24.99	24.77	24.85
	1	7	24.98	24.85	24.69
	1	14	24.81	24.65	24.71
	8	0	24.27	24.08	23.99
	8	3	24.25	23.98	24.08
	8	7	24.25	23.95	24.1
	15	0	24.21	23.93	23.95
16QAM	1	0	24.06	24.02	23.97
	1	7	24.29	23.96	24
	1	14	24.09	23.85	24.03
	8	0	23.03	22.87	22.81
	8	3	23.17	22.85	22.97
	8	7	23	22.89	22.92
	15	0	22.91	22.76	22.84
64QAM	1	0	22.93	22.8	22.73
	1	7	22.86	22.77	22.7
	1	14	22.84	22.77	22.54
	8	0	21.96	21.88	21.79
	8	3	21.91	21.94	21.73
	8	7	21.89	21.71	21.92
	15	0	22	21.92	21.84
256QAM	1	0	20.01	19.87	19.92
	1	7	20.09	19.71	19.84
	1	14	19.98	19.95	19.88
	8	0	20.08	19.88	19.8
	8	3	19.92	19.75	19.83
	8	7	19.91	19.71	19.65
	15	0	20.03	19.8	19.82

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	23.93	24.99	19.93	20.99	50
16QAM	22.76	24.29	18.76	20.29	50
64QAM	21.71	22.93	17.71	18.93	50
256QAM	19.65	20.09	15.65	16.09	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	25.02	24.86	24.85
	1	12	25.01	24.85	24.81
	1	24	24.85	24.79	24.78
	12	0	24.3	24.09	24.13
	12	6	24.26	23.98	24.06
	12	13	24.28	24.07	24.1
	25	0	24.27	24.01	24.01
16QAM	1	0	24.14	24.06	24.01
	1	12	24.29	23.96	24.11
	1	24	24.12	23.93	24.13
	12	0	23.08	22.93	22.82
	12	6	23.19	22.94	23.07
	12	13	23.08	22.91	22.91
	25	0	23	23	22.93
64QAM	1	0	22.96	22.73	22.71
	1	12	22.9	22.76	22.69
	1	24	22.87	22.74	22.59
	12	0	22	21.81	21.81
	12	6	21.95	21.91	21.88
	12	13	21.97	21.78	21.84
	25	0	22.08	21.93	21.84
256QAM	1	0	20.07	20.04	19.99
	1	12	20.09	19.86	19.95
	1	24	20.04	20.01	19.84
	12	0	20.12	19.83	19.91
	12	6	19.97	19.83	19.84
	12	13	19.92	19.88	19.74
	25	0	20.06	19.9	19.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	23.98	25.02	19.98	21.02	50
16QAM	22.82	24.29	18.82	20.29	50
64QAM	21.78	22.96	17.78	18.96	50
256QAM	19.74	20.12	15.74	16.12	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	25.08
	1	24	25.04
	1	49	24.95
	25	0	24.37
	25	12	24.36
	25	25	24.3
	50	0	24.27
16QAM	1	0	24.2
	1	24	24.29
	1	49	24.15
	25	0	23.13
	25	12	23.19
	25	25	23.16
	50	0	23.06
64QAM	1	0	23.01
	1	24	22.95
	1	49	22.89
	25	0	22.08
	25	12	22.05
	25	25	22.05
	50	0	22.13
256QAM	1	0	20.12
	1	24	20.09
	1	49	20.11
	25	0	20.13
	25	12	20.07
	25	25	20
	50	0	20.07

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	24.27	25.08	20.27	21.08	50
16QAM	23.06	24.29	19.06	20.29	50
64QAM	22.05	23.01	18.05	19.01	50
256QAM	20.00	20.13	16.00	16.13	50

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

7.1.13LTE 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	24.91	24.81	25.11
	1	2	24.89	24.96	25
	1	5	24.78	24.77	24.97
	3	0	24.77	24.78	24.96
	3	1	24.7	24.74	24.96
	3	3	24.73	24.72	24.9
	6	0	24.13	24.16	24.32
16QAM	1	0	24.14	24.04	24.36
	1	2	24.08	24.08	24.25
	1	5	24.03	24.03	24.22
	3	0	24.03	23.95	24.34
	3	1	24.08	24.09	24.32
	3	3	24.03	23.99	24.27
	6	0	22.99	22.97	23.07
64QAM	1	0	22.9	22.88	23.07
	1	2	22.8	22.86	23.05
	1	5	22.77	22.79	23.05
	3	0	22.97	22.99	23.09
	3	1	22.98	22.96	23.1
	3	3	22.83	22.83	22.9
	6	0	21.92	21.98	22.08
256QAM	1	0	20.03	20.03	20.06
	1	2	19.86	19.92	20.1
	1	5	19.92	19.93	20.08
	3	0	20.01	20.08	20.12
	3	1	19.75	19.82	19.99
	3	3	19.76	19.73	19.86
	6	0	19.96	19.9	20.11

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	24.13	25.11	20.13	21.11	38.45
16QAM	22.97	24.36	18.97	20.36	38.45
64QAM	21.92	23.10	17.92	19.10	38.45
256QAM	19.73	20.12	15.73	16.12	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	24.97	24.91	25.14
	1	7	24.96	24.99	25.02
	1	14	24.87	24.8	25.04
	8	0	24.18	24.33	24.44
	8	3	24.2	24.3	24.35
	8	7	24.18	24.32	24.37
	15	0	24.07	24.18	24.34
16QAM	1	0	24.19	24.14	24.37
	1	7	24.14	24.09	24.3
	1	14	24.12	24.08	24.23
	8	0	23.05	23.05	23.26
	8	3	23.06	23.09	23.27
	8	7	23.1	23.07	23.03
	15	0	23.07	23.01	23.09
64QAM	1	0	22.96	22.93	23.08
	1	7	22.94	22.86	23.08
	1	14	22.86	22.8	23.12
	8	0	22	22.06	22.16
	8	3	22.04	21.99	22.14
	8	7	21.93	21.87	22.08
	15	0	22.11	21.99	22.17
256QAM	1	0	20.08	20.03	20.1
	1	7	19.94	19.96	20.14
	1	14	20.09	20.01	20.13
	8	0	20.02	20.1	20.14
	8	3	19.9	19.84	19.99
	8	7	19.93	19.78	19.9
	15	0	20.01	19.99	20.14

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	24.07	25.14	20.07	21.14	38.45
16QAM	23.01	24.37	19.01	20.37	38.45
64QAM	21.87	23.12	17.87	19.12	38.45
256QAM	19.78	20.14	15.78	16.14	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	25.05	25.01	25.17
	1	12	24.98	25.05	25.09
	1	24	24.89	24.84	25.05
	12	0	24.3	24.36	24.46
	12	6	24.21	24.4	24.36
	12	13	24.17	24.32	24.45
	25	0	24.14	24.26	24.38
16QAM	1	0	24.27	24.21	24.44
	1	12	24.2	24.16	24.38
	1	24	24.15	24.16	24.27
	12	0	23.09	23.13	23.27
	12	6	23.2	23.15	23.27
	12	13	23.13	23.1	23.13
	25	0	23.15	23.06	23.11
64QAM	1	0	22.93	22.97	23.14
	1	12	22.93	22.87	23.12
	1	24	22.91	22.88	23.13
	12	0	21.97	22.07	22.25
	12	6	22.06	22.08	22.2
	12	13	22	21.92	22.13
	25	0	22.14	22	22.22
256QAM	1	0	20.17	20.08	20.2
	1	12	20.01	19.99	20.21
	1	24	20.08	20.08	20.18
	12	0	20.07	20.17	20.17
	12	6	20.04	19.92	20.03
	12	13	19.96	19.88	20
	25	0	20.01	20.08	20.17

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	24.14	25.17	20.14	21.17	38.45
16QAM	23.06	24.44	19.06	20.44	38.45
64QAM	21.92	23.14	17.92	19.14	38.45
256QAM	19.88	20.21	15.88	16.21	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	25.09	25.07	25.21
	1	24	25.1	25.14	25.18
	1	49	25.01	24.91	25.13
	25	0	24.33	24.4	24.5
	25	12	24.34	24.42	24.42
	25	25	24.26	24.32	24.47
	50	0	24.19	24.28	24.39
16QAM	1	0	24.27	24.31	24.44
	1	24	24.29	24.26	24.38
	1	49	24.27	24.16	24.32
	25	0	23.24	23.18	23.35
	25	12	23.24	23.2	23.3
	25	25	23.18	23.16	23.23
	50	0	23.14	23.07	23.19
64QAM	1	0	23.03	23	23.24
	1	24	22.91	22.88	23.13
	1	49	22.99	22.98	23.15
	25	0	22.01	22.08	22.29
	25	12	22.11	22.11	22.2
	25	25	22.06	22.02	22.23
	50	0	22.17	22.1	22.22
256QAM	1	0	20.17	20.16	20.28
	1	24	20.06	20.09	20.24
	1	49	20.17	20.14	20.23
	25	0	20.04	20.2	20.2
	25	12	20.09	20	20.13
	25	25	20.06	19.97	20.1
	50	0	20.1	20.18	20.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	24.19	25.21	20.19	21.21	38.45
16QAM	23.07	24.44	19.07	20.44	38.45
64QAM	22.01	23.24	18.01	19.24	38.45
256QAM	19.97	20.28	15.97	16.28	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	25.18	25.15	25.23
	1	37	25.15	25.14	25.2
	1	74	25.05	24.99	25.18
	36	0	24.45	24.41	24.53
	36	19	24.51	24.48	24.51
	36	39	24.43	24.38	24.48
	75	0	24.36	24.28	24.45
16QAM	1	0	24.35	24.35	24.47
	1	37	24.41	24.35	24.44
	1	74	24.33	24.24	24.42
	36	0	23.27	23.25	23.36
	36	19	23.26	23.21	23.33
	36	39	23.26	23.19	23.31
	75	0	23.18	23.13	23.27
64QAM	1	0	23.15	23.1	23.24
	1	37	23.01	22.94	23.2
	1	74	23.06	22.98	23.18
	36	0	22.16	22.16	22.33
	36	19	22.21	22.15	22.3
	36	39	22.19	22.09	22.28
	75	0	22.24	22.16	22.25
256QAM	1	0	20.22	20.16	20.36
	1	37	20.19	20.09	20.33
	1	74	20.19	20.17	20.31
	36	0	20.23	20.2	20.26
	36	19	20.18	20.08	20.22
	36	39	20.07	20.02	20.19
	75	0	20.19	20.19	20.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	24.28	25.23	20.28	21.23	38.45
16QAM	23.13	24.47	19.13	20.47	38.45
64QAM	22.09	23.24	18.09	19.24	38.45
256QAM	20.02	20.36	16.02	16.36	38.45

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

7.1.14LTE Band 30

LTE Band 30, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 27685	CH 27710	CH 27735
			2307.5 MHz	2310 MHz	2312.5 MHz
QPSK	1	0	22.72	22.73	22.71
	1	12	22.71	22.71	22.71
	1	24	22.71	22.73	22.72
	12	0	22.16	22.15	22.04
	12	6	22.14	22.12	22.03
	12	13	22.1	22.05	22.1
	25	0	22.04	22.03	21.94
16QAM	1	0	22.15	22.07	22.04
	1	12	22	22.09	21.93
	1	24	22.04	22	21.93
	12	0	21.16	21.21	21.15
	12	6	21.09	21.22	21.18
	12	13	21	21.14	21.01
	25	0	21.04	21.17	21.02
64QAM	1	0	21.11	21.22	21.1
	1	12	21.12	21.17	20.95
	1	24	21.03	21.08	20.98
	12	0	20.28	20.35	20.24
	12	6	20.26	20.35	20.31
	12	13	20.26	20.26	20.2
	25	0	20.16	20.28	20.08
256QAM	1	0	18.3	18.31	18.26
	1	12	18.25	18.29	18.07
	1	24	18.15	18.2	18.2
	12	0	18.15	18.23	18.1
	12	6	18.15	18.18	18.08
	12	13	18.1	18.2	18.09
	25	0	18.14	18.14	18.08

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.94	22.73	23.17	23.96	23.98
16QAM	21	22.15	22.23	23.38	23.98
64QAM	20.08	21.22	21.31	22.45	23.98
256QAM	18.07	18.31	19.3	19.54	23.98

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

LTE Band 30, Channel Bandwidth: 10 MHz, Output Power: Full Power

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 27710
			2310 MHz
QPSK	1	0	22.74
	1	24	22.72
	1	49	22.71
	25	0	22.21
	25	12	22.18
	25	25	22.15
	50	0	22.13
16QAM	1	0	22.16
	1	24	22.12
	1	49	22.1
	25	0	21.28
	25	12	21.25
	25	25	21.2
	50	0	21.18
64QAM	1	0	21.22
	1	24	21.18
	1	49	21.14
	25	0	20.38
	25	12	20.36
	25	25	20.32
	50	0	20.29
256QAM	1	0	18.36
	1	24	18.32
	1	49	18.3
	25	0	18.27
	25	12	18.25
	25	25	18.2
	50	0	18.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.13	22.74	23.36	23.97	23.98
16QAM	21.18	22.16	22.41	23.39	23.98
64QAM	20.29	21.22	21.52	22.45	23.98
256QAM	18.2	18.36	19.43	19.59	23.98

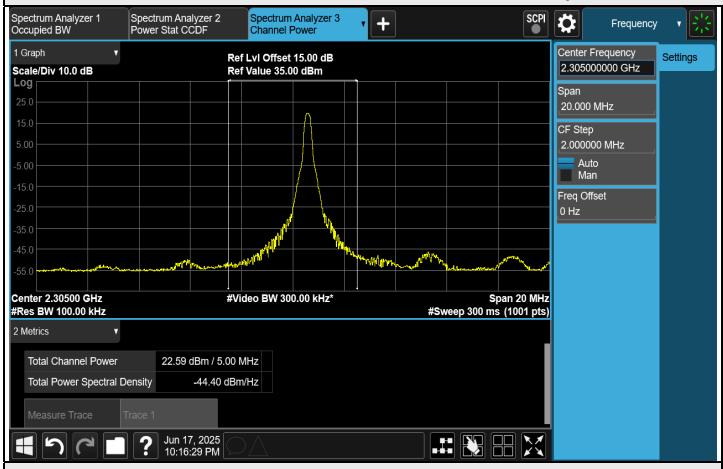
Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 30, Channel Bandwidth: 10 MHz, Output Power: dBm/5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 27710
			2310 MHz
QPSK	1	0	22.59
	1	24	22.58
	1	49	22.42
	25	0	21.5
	25	12	21.49
	25	25	21.44
	50	0	18.47
16QAM	1	0	21.37
	1	24	21.4
	1	49	21.48
	25	0	20.58
	25	12	20.47
	25	25	20.49
	50	0	17.55
64QAM	1	0	20.53
	1	24	20.47
	1	49	20.44
	25	0	19.59
	25	12	19.59
	25	25	19.65
	50	0	16.53
256QAM	1	0	17.65
	1	24	17.55
	1	49	17.6
	25	0	17.66
	25	12	17.6
	25	25	17.52
	50	0	14.65

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.47	22.59	19.7	23.82	23.98
16QAM	17.55	21.48	18.78	22.71	23.98
64QAM	16.53	20.53	17.76	21.76	23.98
256QAM	14.65	17.66	15.88	18.89	23.98

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

Spectrum Plot of Worst Value	
	
QPSK CH 27710 (2310 MHz)	

Note: For the channel bandwidth is less than or equal to 5 MHz, the full power test data please refer to the power per 5 MHz corresponding to the channel bandwidth.

7.1.15LTE 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	24.86	24.82	24.91
	1	12	24.78	24.78	24.91
	1	24	24.79	24.83	24.8
	12	0	23.84	23.88	23.82
	12	6	23.84	23.83	23.87
	12	13	23.7	23.78	23.83
	25	0	23.73	23.72	23.83
16QAM	1	0	23.65	23.72	23.71
	1	12	23.61	23.73	23.77
	1	24	23.75	23.71	23.65
	12	0	22.94	22.85	22.93
	12	6	22.96	22.93	22.99
	12	13	22.83	22.92	22.87
	25	0	22.76	22.9	22.97
64QAM	1	0	22.92	22.83	22.89
	1	12	22.78	22.83	22.87
	1	24	22.7	22.82	22.82
	12	0	21.97	21.96	22.07
	12	6	21.9	21.93	22.06
	12	13	21.87	21.95	21.95
	25	0	21.84	21.92	21.87
256QAM	1	0	19.12	19.03	19.17
	1	12	19.02	19.1	19.23
	1	24	19.2	19.15	19.15
	12	0	19.13	19.16	19.22
	12	6	19.1	19	19.07
	12	13	19.02	19.04	19.13
	25	0	19.01	19.02	19

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.70	24.91	27.67	28.88	33.01
16QAM	22.76	23.77	26.73	27.74	33.01
64QAM	21.84	22.92	25.81	26.89	33.01
256QAM	19.00	19.23	22.97	23.20	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	24.88	24.91	25.01
	1	24	24.85	24.88	24.96
	1	49	24.8	24.83	24.89
	25	0	23.86	23.94	23.92
	25	12	23.86	23.88	23.9
	25	25	23.79	23.82	23.84
	50	0	23.75	23.73	23.9
16QAM	1	0	23.73	23.81	23.75
	1	24	23.62	23.76	23.77
	1	49	23.76	23.73	23.69
	25	0	22.99	22.93	23.02
	25	12	23.02	23.03	23.03
	25	25	22.9	22.93	22.9
	50	0	22.77	22.91	22.97
64QAM	1	0	22.96	22.89	22.97
	1	24	22.83	22.83	22.96
	1	49	22.79	22.88	22.89
	25	0	22.06	22.03	22.12
	25	12	21.93	22.01	22.07
	25	25	21.92	22.04	21.99
	50	0	21.89	22.01	21.96
256QAM	1	0	19.13	19.07	19.26
	1	24	19.12	19.13	19.23
	1	49	19.2	19.16	19.21
	25	0	19.15	19.21	19.26
	25	12	19.11	19.08	19.16
	25	25	19.02	19.04	19.14
	50	0	19.1	19.09	19.05

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.73	25.01	27.70	28.98	33.01
16QAM	22.77	23.81	26.74	27.78	33.01
64QAM	21.89	22.97	25.86	26.94	33.01
256QAM	19.02	19.26	22.99	23.23	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	24.93	24.96	25.05
	1	37	24.94	24.91	24.97
	1	74	24.88	24.83	24.93
	36	0	23.88	23.96	23.95
	36	19	23.92	23.89	23.97
	36	39	23.84	23.85	23.9
	75	0	23.81	23.8	23.94
16QAM	1	0	23.82	23.9	23.84
	1	37	23.69	23.78	23.82
	1	74	23.81	23.78	23.78
	36	0	23	23.02	23.07
	36	19	23.06	23.06	23.08
	36	39	22.93	23.01	22.99
	75	0	22.8	22.95	23.06
64QAM	1	0	22.99	22.93	23.01
	1	37	22.85	22.91	22.99
	1	74	22.84	22.95	22.95
	36	0	22.07	22.06	22.12
	36	19	22	22.1	22.07
	36	39	21.94	22.06	22
	75	0	21.92	22.03	21.95
256QAM	1	0	19.21	19.17	19.28
	1	37	19.21	19.22	19.27
	1	74	19.23	19.18	19.25
	36	0	19.17	19.21	19.26
	36	19	19.13	19.18	19.21
	36	39	19.08	19.05	19.17
	75	0	19.16	19.19	19.15

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.80	25.05	27.77	29.02	33.01
16QAM	22.80	23.90	26.77	27.87	33.01
64QAM	21.92	23.01	25.89	26.98	33.01
256QAM	19.05	19.28	23.02	23.25	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	24.99	25.05	25.08
	1	50	24.95	24.99	25.05
	1	99	24.91	24.92	24.98
	50	0	23.97	24.01	24.05
	50	25	23.93	23.99	24.03
	50	50	23.84	23.91	23.98
	100	0	23.85	23.86	23.96
16QAM	1	0	23.83	23.92	23.93
	1	50	23.76	23.81	23.9
	1	99	23.86	23.88	23.88
	50	0	23.04	23.06	23.13
	50	25	23.07	23.09	23.1
	50	50	23.02	23.06	23.08
	100	0	22.88	22.97	23.06
64QAM	1	0	22.85	22.93	23.02
	1	50	22.85	22.94	23
	1	99	22.9	22.96	22.96
	50	0	22.08	22.11	22.15
	50	25	22.09	22.11	22.13
	50	50	21.97	22.07	22.09
	100	0	21.97	22.02	22.05
256QAM	1	0	19.26	19.26	19.36
	1	50	19.26	19.29	19.33
	1	99	19.24	19.26	19.31
	50	0	19.21	19.27	19.27
	50	25	19.18	19.2	19.25
	50	50	19.09	19.14	19.22
	100	0	19.22	19.22	19.25

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.84	25.08	27.81	29.05	33.01
16QAM	22.88	23.93	26.85	27.90	33.01
64QAM	21.97	23.02	25.94	26.99	33.01
256QAM	19.09	19.36	23.06	23.33	33.01

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

7.1.16LTE 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	24.18	25.45	24.62
	1	12	24.09	25.48	24.63
	1	24	24.14	25.4	24.57
	12	0	23.18	24.45	24.02
	12	6	23.18	24.36	23.91
	12	13	23.13	24.35	23.93
	25	0	23.14	24.35	23.86
16QAM	1	0	23.12	24.45	23.65
	1	12	23.07	24.48	23.63
	1	24	23.11	24.35	23.54
	12	0	22.01	23.45	22.52
	12	6	22.04	23.4	22.53
	12	13	22.02	23.3	22.62
	25	0	22.03	23.39	22.64
64QAM	1	0	22.06	23.39	22.61
	1	12	21.96	23.39	22.54
	1	24	22.15	23.41	22.58
	12	0	21.08	22.4	21.58
	12	6	21.12	22.47	21.55
	12	13	21.07	22.45	21.6
	25	0	21.05	22.45	21.6
256QAM	1	0	19.05	20.44	19.55
	1	12	19.09	20.42	19.64
	1	24	19.02	20.41	19.52
	12	0	18.95	20.41	19.59
	12	6	19.18	20.48	19.59
	12	13	19.11	20.43	19.52
	25	0	19.11	20.4	19.53

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.13	25.48	27.15	29.50	33.01
16QAM	22.01	24.48	26.03	28.50	33.01
64QAM	21.05	23.41	25.07	27.43	33.01
256QAM	18.95	20.48	22.97	24.50	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	24.17	25.45	24.64
	1	24	24.15	25.48	24.67
	1	49	24.07	25.43	24.58
	25	0	23.21	24.41	23.92
	25	12	23.22	24.4	23.91
	25	25	23.15	24.42	23.87
	50	0	23.15	24.33	23.88
16QAM	1	0	23.09	24.52	23.63
	1	24	23.14	24.43	23.57
	1	49	23.12	24.37	23.53
	25	0	22.06	23.46	22.6
	25	12	22.05	23.42	22.51
	25	25	22.05	23.34	22.62
	50	0	22.03	23.41	22.57
64QAM	1	0	22.12	23.35	22.68
	1	24	21.95	23.42	22.59
	1	49	22.13	23.39	22.58
	25	0	21.07	22.38	21.55
	25	12	21.13	22.38	21.58
	25	25	21.15	22.45	21.61
	50	0	21.07	22.39	21.56
256QAM	1	0	19.09	20.41	19.56
	1	24	19.13	20.39	19.56
	1	49	19.02	20.44	19.49
	25	0	18.98	20.34	19.59
	25	12	19.08	20.47	19.53
	25	25	19.13	20.47	19.5
	50	0	19.08	20.35	19.61

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.15	25.48	27.17	29.50	33.01
16QAM	22.03	24.52	26.05	28.54	33.01
64QAM	21.07	23.42	25.09	27.44	33.01
256QAM	18.98	20.47	23.00	24.49	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	24.18	25.47	24.66
	1	37	24.1	25.41	24.67
	1	74	24.11	25.48	24.58
	36	0	23.17	24.48	23.96
	36	19	23.14	24.42	23.95
	36	39	23.17	24.34	23.96
	75	0	23.09	24.35	23.93
16QAM	1	0	23.07	24.45	23.69
	1	37	23.11	24.4	23.61
	1	74	23.08	24.42	23.56
	36	0	22.01	23.47	22.6
	36	19	22.08	23.44	22.49
	36	39	22.01	23.36	22.58
	75	0	22.02	23.42	22.65
64QAM	1	0	22.1	23.37	22.58
	1	37	22.04	23.4	22.64
	1	74	22.08	23.43	22.59
	36	0	21.16	22.36	21.57
	36	19	21.04	22.45	21.56
	36	39	21.13	22.42	21.63
	75	0	21.15	22.45	21.59
256QAM	1	0	19.07	20.45	19.52
	1	37	19.11	20.43	19.59
	1	74	19.02	20.43	19.56
	36	0	18.95	20.36	19.52
	36	19	19.15	20.42	19.55
	36	39	19.07	20.48	19.52
	75	0	19.09	20.37	19.52

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.09	25.48	27.11	29.50	33.01
16QAM	22.01	24.45	26.03	28.47	33.01
64QAM	21.04	23.43	25.06	27.45	33.01
256QAM	18.95	20.48	22.97	24.50	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	24.18	25.53	24.7
	1	50	24.16	25.51	24.68
	1	99	24.14	25.49	24.66
	50	0	23.26	24.49	24.02
	50	25	23.23	24.46	23.99
	50	50	23.21	24.44	23.97
	100	0	23.19	24.42	23.95
16QAM	1	0	23.12	24.52	23.7
	1	50	23.16	24.5	23.63
	1	99	23.13	24.44	23.59
	50	0	22.08	23.47	22.6
	50	25	22.08	23.48	22.58
	50	50	22.11	23.4	22.65
	100	0	22.09	23.48	22.66
64QAM	1	0	22.16	23.42	22.68
	1	50	22.04	23.49	22.64
	1	99	22.15	23.49	22.61
	50	0	21.16	22.43	21.62
	50	25	21.13	22.47	21.65
	50	50	21.15	22.52	21.65
	100	0	21.15	22.49	21.61
256QAM	1	0	19.09	20.49	19.57
	1	50	19.15	20.43	19.66
	1	99	19.1	20.49	19.59
	50	0	19.04	20.42	19.59
	50	25	19.18	20.52	19.63
	50	50	19.16	20.51	19.59
	100	0	19.13	20.41	19.62

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.19	25.53	27.21	29.55	33.01
16QAM	22.08	24.52	26.10	28.54	33.01
64QAM	21.13	23.49	25.15	27.51	33.01
256QAM	19.04	20.52	23.06	24.54	33.01

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

7.1.17LTE Band 42 (3.45 GHz ~ 3.55 GHz)

LTE Band 42 (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 42115	CH 42590	CH 43065
			3452.5 MHz	3500 MHz	3547.5 MHz
QPSK	1	0	24.1	24.12	24.34
	1	12	24.12	24.11	24.25
	1	24	24.17	24.09	24.29
	12	0	23.11	23.15	23.19
	12	6	23.05	23.14	23.11
	12	13	23.05	23.08	23.09
	25	0	23.04	22.93	23.07
16QAM	1	0	23.05	23.24	23.18
	1	12	23.15	23.17	23.08
	1	24	23.04	23.01	22.99
	12	0	22.43	22.28	22.38
	12	6	22.29	22.24	22.38
	12	13	22.32	22.26	22.31
	25	0	22.26	22.21	22.25
64QAM	1	0	22.18	22.11	22.23
	1	12	22.14	22.16	22.38
	1	24	22	22.09	22.19
	12	0	21.26	21.3	21.38
	12	6	21.18	21.18	21.39
	12	13	21.11	21.1	21.38
	25	0	21.18	21.12	21.3
256QAM	1	0	19.35	19.34	19.54
	1	12	19.27	19.28	19.38
	1	24	19.29	19.14	19.43
	12	0	19.18	19.26	19.41
	12	6	19.26	19.17	19.41
	12	13	19.17	19.17	19.28
	25	0	19.21	19.15	19.35

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.93	24.34	23.91	25.32	30.00
16QAM	22.21	23.24	23.19	24.22	30.00
64QAM	21.1	22.38	22.08	23.36	30.00
256QAM	19.14	19.54	20.12	20.52	30.00

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

LTE Band 42 (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 42140	CH 42590	CH 43040
			3455 MHz	3500 MHz	3545 MHz
QPSK	1	0	24.17	24.26	24.37
	1	24	24.21	24.09	24.29
	1	49	24.25	24.17	24.31
	25	0	23.16	23.11	23.29
	25	12	23.14	23.12	23.18
	25	25	23.12	23.1	23.2
	50	0	23.06	22.99	23.09
16QAM	1	0	23.15	23.24	23.19
	1	24	23.18	23.1	23.13
	1	49	23.08	23.06	23.11
	25	0	22.45	22.4	22.5
	25	12	22.39	22.36	22.36
	25	25	22.32	22.3	22.36
	50	0	22.29	22.22	22.3
64QAM	1	0	22.25	22.21	22.27
	1	24	22.18	22.27	22.4
	1	49	22.1	22.12	22.3
	25	0	21.35	21.29	21.48
	25	12	21.24	21.32	21.33
	25	25	21.17	21.18	21.49
	50	0	21.2	21.24	21.38
256QAM	1	0	19.4	19.39	19.59
	1	24	19.35	19.33	19.44
	1	49	19.32	19.2	19.39
	25	0	19.22	19.29	19.43
	25	12	19.29	19.3	19.44
	25	25	19.23	19.21	19.27
	50	0	19.21	19.26	19.45

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.99	24.37	23.97	25.35	30.00
16QAM	22.22	23.24	23.2	24.22	30.00
64QAM	21.17	22.4	22.15	23.38	30.00
256QAM	19.2	19.59	20.18	20.57	30.00

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

LTE Band 42 (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 42165	CH 42590	CH 43015
			3457.5 MHz	3500 MHz	3542.5 MHz
QPSK	1	0	24.24	24.31	24.47
	1	37	24.26	24.2	24.43
	1	74	24.27	24.23	24.3
	36	0	23.21	23.25	23.31
	36	19	23.18	23.2	23.28
	36	39	23.15	23.2	23.25
	75	0	23.13	23.08	23.23
16QAM	1	0	23.17	23.28	23.2
	1	37	23.19	23.19	23.2
	1	74	23.14	23.11	23.1
	36	0	22.5	22.44	22.49
	36	19	22.39	22.35	22.41
	36	39	22.35	22.32	22.41
	75	0	22.3	22.21	22.45
64QAM	1	0	22.3	22.35	22.33
	1	37	22.2	22.36	22.35
	1	74	22.13	22.12	22.31
	36	0	21.4	21.34	21.52
	36	19	21.32	21.35	21.48
	36	39	21.24	21.22	21.47
	75	0	21.29	21.3	21.38
256QAM	1	0	19.45	19.48	19.62
	1	37	19.38	19.42	19.52
	1	74	19.4	19.38	19.57
	36	0	19.32	19.42	19.53
	36	19	19.36	19.28	19.48
	36	39	19.26	19.28	19.42
	75	0	19.23	19.3	19.43

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.08	24.47	24.06	25.45	30.00
16QAM	22.21	23.28	23.19	24.26	30.00
64QAM	21.22	22.36	22.2	23.34	30.00
256QAM	19.23	19.62	20.21	20.6	30.00

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

LTE Band 42 (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 42190	CH 42590	CH 42990
			3460 MHz	3500 MHz	3540 MHz
QPSK	1	0	24.34	24.36	24.48
	1	50	24.32	24.34	24.47
	1	99	24.29	24.27	24.45
	50	0	23.29	23.26	23.33
	50	25	23.2	23.19	23.29
	50	50	23.19	23.21	23.26
	100	0	23.13	23.16	23.25
16QAM	1	0	23.26	23.25	23.24
	1	50	23.2	23.26	23.2
	1	99	23.16	23.25	23.17
	50	0	22.54	22.46	22.58
	50	25	22.47	22.5	22.49
	50	50	22.4	22.43	22.5
	100	0	22.3	22.34	22.45
64QAM	1	0	22.33	22.31	22.44
	1	50	22.3	22.36	22.47
	1	99	22.22	22.29	22.35
	50	0	21.46	21.47	21.53
	50	25	21.42	21.34	21.53
	50	50	21.29	21.28	21.5
	100	0	21.39	21.42	21.51
256QAM	1	0	19.54	19.51	19.59
	1	50	19.47	19.5	19.63
	1	99	19.43	19.37	19.58
	50	0	19.4	19.38	19.56
	50	25	19.37	19.42	19.55
	50	50	19.35	19.39	19.44
	100	0	19.3	19.34	19.45

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.13	24.48	24.11	25.46	30.00
16QAM	22.3	23.26	23.28	24.24	30.00
64QAM	21.28	22.47	22.26	23.45	30.00
256QAM	19.3	19.63	20.28	20.61	30.00

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

7.1.18LTE 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	25.15	25.07	25.25
	1	2	25.11	25.09	25.06
	1	5	25.05	25.09	25.11
	3	0	25	25.06	25.24
	3	1	25.08	25.03	24.98
	3	3	24.92	24.97	24.98
	6	0	24.05	24.24	24.23
16QAM	1	0	24.22	24.18	24.19
	1	2	24.05	24.07	24.16
	1	5	24.19	24.12	24.15
	3	0	24.12	24.02	24.17
	3	1	23.92	23.88	24.02
	3	3	24.13	24.02	24.07
	6	0	23.19	23.12	23.13
64QAM	1	0	23.27	23.16	23.11
	1	2	23.19	23.25	23.21
	1	5	23.04	22.98	22.97
	3	0	23.24	23.21	22.97
	3	1	23.07	23.16	23.14
	3	3	22.97	22.99	23.01
	6	0	22.12	22.05	22.06
256QAM	1	0	20.23	20.17	20.27
	1	2	20.25	20.1	20.25
	1	5	20.22	20.29	20.19
	3	0	20.16	19.99	20.2
	3	1	19.97	20.09	20.07
	3	3	20.1	20.01	19.98
	6	0	20.01	20.13	20.2

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.05	25.25	24.47	25.67	30
16QAM	23.12	24.22	23.54	24.64	30
64QAM	22.05	23.27	22.47	23.69	30
256QAM	19.97	20.29	20.39	20.71	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	25.17	25.14	25.32
	1	7	25.15	25.11	25.16
	1	14	25.08	25.18	25.13
	8	0	24.47	24.33	24.35
	8	3	24.41	24.15	24.39
	8	7	24.28	24.24	24.22
	15	0	24.11	24.32	24.24
16QAM	1	0	24.32	24.21	24.28
	1	7	24.1	24.13	24.16
	1	14	24.21	24.15	24.18
	8	0	23.28	23.2	23.36
	8	3	23.37	23.44	23.28
	8	7	23.24	23.3	23.18
	15	0	23.28	23.21	23.21
64QAM	1	0	23.29	23.26	23.15
	1	7	23.19	23.29	23.26
	1	14	23.06	23.08	23.05
	8	0	22.18	22.07	22.31
	8	3	22.14	22.23	22.21
	8	7	22.34	22.26	22.21
	15	0	22.2	22.12	22.13
256QAM	1	0	20.26	20.18	20.31
	1	7	20.26	20.11	20.28
	1	14	20.28	20.31	20.28
	8	0	20.24	20.07	20.25
	8	3	20.04	20.09	20.13
	8	7	20.14	20.1	20.08
	15	0	20.11	20.2	20.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.11	25.32	24.53	25.74	30
16QAM	23.18	24.32	23.60	24.74	30
64QAM	22.07	23.29	22.49	23.71	30
256QAM	20.04	20.31	20.46	20.73	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	25.24	25.22	25.35
	1	12	25.2	25.18	25.26
	1	24	25.11	25.18	25.19
	12	0	24.47	24.39	24.38
	12	6	24.41	24.24	24.45
	12	13	24.3	24.33	24.27
	25	0	24.21	24.33	24.29
16QAM	1	0	24.36	24.27	24.3
	1	12	24.18	24.2	24.2
	1	24	24.26	24.23	24.21
	12	0	23.34	23.2	23.44
	12	6	23.43	23.44	23.33
	12	13	23.32	23.33	23.27
	25	0	23.31	23.21	23.22
64QAM	1	0	23.3	23.34	23.16
	1	12	23.23	23.32	23.31
	1	24	23.14	23.15	23.13
	12	0	22.28	22.17	22.31
	12	6	22.21	22.3	22.31
	12	13	22.35	22.36	22.21
	25	0	22.24	22.21	22.16
256QAM	1	0	20.31	20.25	20.32
	1	12	20.27	20.16	20.34
	1	24	20.3	20.32	20.32
	12	0	20.25	20.13	20.26
	12	6	20.09	20.16	20.16
	12	13	20.15	20.1	20.13
	25	0	20.19	20.2	20.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.21	25.35	24.63	25.77	30
16QAM	23.20	24.36	23.62	24.78	30
64QAM	22.16	23.34	22.58	23.76	30
256QAM	20.09	20.34	20.51	20.76	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	25.31	25.26	25.37
	1	24	25.3	25.23	25.34
	1	49	25.21	25.18	25.19
	25	0	24.51	24.4	24.46
	25	12	24.44	24.28	24.47
	25	25	24.39	24.35	24.33
	50	0	24.28	24.39	24.35
16QAM	1	0	24.4	24.32	24.36
	1	24	24.26	24.25	24.29
	1	49	24.3	24.28	24.29
	25	0	23.38	23.28	23.48
	25	12	23.51	23.44	23.39
	25	25	23.37	23.34	23.34
	50	0	23.32	23.28	23.27
64QAM	1	0	23.4	23.35	23.25
	1	24	23.27	23.37	23.31
	1	49	23.2	23.25	23.16
	25	0	22.35	22.27	22.32
	25	12	22.29	22.33	22.33
	25	25	22.45	22.37	22.31
	50	0	22.24	22.27	22.22
256QAM	1	0	20.36	20.35	20.37
	1	24	20.34	20.19	20.34
	1	49	20.38	20.34	20.34
	25	0	20.32	20.19	20.3
	25	12	20.19	20.19	20.21
	25	25	20.17	20.15	20.23
	50	0	20.27	20.25	20.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.28	25.37	24.70	25.79	30
16QAM	23.27	24.40	23.69	24.82	30
64QAM	22.22	23.40	22.64	23.82	30
256QAM	20.15	20.38	20.57	20.80	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	25.36	25.35	25.41
	1	37	25.33	25.33	25.4
	1	74	25.3	25.28	25.28
	36	0	24.54	24.43	24.5
	36	19	24.48	24.37	24.48
	36	39	24.49	24.44	24.43
	75	0	24.36	24.39	24.39
16QAM	1	0	24.41	24.38	24.42
	1	37	24.34	24.32	24.34
	1	74	24.33	24.28	24.36
	36	0	23.48	23.37	23.5
	36	19	23.52	23.44	23.43
	36	39	23.41	23.43	23.34
	75	0	23.35	23.3	23.33
64QAM	1	0	23.4	23.41	23.3
	1	37	23.37	23.42	23.31
	1	74	23.3	23.28	23.25
	36	0	22.38	22.36	22.36
	36	19	22.34	22.34	22.35
	36	39	22.46	22.38	22.32
	75	0	22.34	22.27	22.29
256QAM	1	0	20.41	20.37	20.39
	1	37	20.35	20.27	20.34
	1	74	20.43	20.38	20.34
	36	0	20.32	20.23	20.35
	36	19	20.29	20.2	20.26
	36	39	20.25	20.18	20.27
	75	0	20.37	20.29	20.26

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.36	25.41	24.78	25.83	30
16QAM	23.30	24.42	23.72	24.84	30
64QAM	22.27	23.42	22.69	23.84	30
256QAM	20.18	20.43	20.60	20.85	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	25.42	25.39	25.45
	1	50	25.38	25.36	25.4
	1	99	25.35	25.31	25.36
	50	0	24.55	24.49	24.58
	50	25	24.52	24.43	24.52
	50	50	24.49	24.49	24.5
	100	0	24.46	24.4	24.47
16QAM	1	0	24.5	24.4	24.42
	1	50	24.43	24.39	24.39
	1	99	24.35	24.34	24.37
	50	0	23.5	23.44	23.5
	50	25	23.54	23.54	23.47
	50	50	23.49	23.46	23.42
	100	0	23.39	23.31	23.38
64QAM	1	0	23.44	23.42	23.4
	1	50	23.42	23.42	23.37
	1	99	23.4	23.35	23.34
	50	0	22.44	22.41	22.46
	50	25	22.43	22.43	22.42
	50	50	22.48	22.39	22.4
	100	0	22.39	22.3	22.35
256QAM	1	0	20.45	20.4	20.44
	1	50	20.44	20.35	20.42
	1	99	20.46	20.41	20.38
	50	0	20.37	20.28	20.35
	50	25	20.32	20.26	20.33
	50	50	20.3	20.28	20.29
	100	0	20.38	20.37	20.32

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.40	25.45	24.82	25.87	30
16QAM	23.31	24.50	23.73	24.92	30
64QAM	22.30	23.44	22.72	23.86	30
256QAM	20.26	20.46	20.68	20.88	30

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

7.1.19LTE Band 70

LTE Band 70, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132997	CH 133047	CH 133097
			1697.5 MHz	1702.5 MHz	1707.5 MHz
QPSK	1	0	25.16	25.23	25.08
	1	12	25.13	25.19	25.06
	1	24	25.1	25.15	25.06
	12	0	24.58	24.48	24.43
	12	6	24.53	24.49	24.43
	12	13	24.43	24.39	24.47
	25	0	24.48	24.47	24.39
16QAM	1	0	24.36	24.43	24.36
	1	12	24.35	24.38	24.37
	1	24	24.3	24.34	24.29
	12	0	23.48	23.57	23.49
	12	6	23.57	23.63	23.46
	12	13	23.52	23.55	23.41
	25	0	23.58	23.53	23.54
64QAM	1	0	23.46	23.53	23.45
	1	12	23.45	23.47	23.45
	1	24	23.33	23.46	23.44
	12	0	22.57	22.68	22.7
	12	6	22.45	22.64	22.47
	12	13	22.57	22.64	22.43
	25	0	22.44	22.51	22.33
256QAM	1	0	20.68	20.68	20.65
	1	12	20.7	20.68	20.5
	1	24	20.53	20.62	20.44
	12	0	20.54	20.49	20.53
	12	6	20.5	20.6	20.43
	12	13	20.47	20.49	20.33
	25	0	20.49	20.6	20.46

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.39	25.23	21.85	22.69	30
16QAM	23.41	24.43	20.87	21.89	30
64QAM	22.33	23.53	19.79	20.99	30
256QAM	20.33	20.70	17.79	18.16	30

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

LTE Band 70, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133022	CH 133047	CH 133072
			1700 MHz	1702.5 MHz	1705 MHz
QPSK	1	0	25.25	25.26	25.16
	1	24	25.21	25.22	25.13
	1	49	25.16	25.18	25.07
	25	0	24.58	24.53	24.45
	25	12	24.57	24.55	24.44
	25	25	24.46	24.49	24.48
	50	0	24.49	24.56	24.39
16QAM	1	0	24.37	24.48	24.43
	1	24	24.44	24.44	24.41
	1	49	24.39	24.41	24.32
	25	0	23.58	23.62	23.5
	25	12	23.62	23.64	23.53
	25	25	23.53	23.6	23.43
	50	0	23.59	23.55	23.54
64QAM	1	0	23.47	23.55	23.49
	1	24	23.51	23.52	23.45
	1	49	23.42	23.46	23.47
	25	0	22.67	22.7	22.72
	25	12	22.52	22.67	22.53
	25	25	22.62	22.67	22.49
	50	0	22.51	22.54	22.37
256QAM	1	0	20.68	20.72	20.65
	1	24	20.71	20.74	20.57
	1	49	20.56	20.67	20.52
	25	0	20.62	20.58	20.58
	25	12	20.52	20.6	20.51
	25	25	20.52	20.52	20.39
	50	0	20.59	20.61	20.52

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.39	25.26	21.85	22.72	30
16QAM	23.43	24.48	20.89	21.94	30
64QAM	22.37	23.55	19.83	21.01	30
256QAM	20.39	20.74	17.85	18.20	30

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

LTE Band 70, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 133047
			1702.5 MHz
QPSK	1	0	25.28
	1	37	25.24
	1	74	25.19
	36	0	24.62
	36	19	24.6
	36	39	24.55
	75	0	24.58
16QAM	1	0	24.55
	1	37	24.53
	1	74	24.49
	36	0	23.68
	36	19	23.65
	36	39	23.6
	75	0	23.62
64QAM	1	0	23.6
	1	37	23.57
	1	74	23.54
	36	0	22.73
	36	19	22.7
	36	39	22.68
	75	0	22.62
256QAM	1	0	20.76
	1	37	20.74
	1	74	20.7
	36	0	20.67
	36	19	20.65
	36	39	20.61
	75	0	20.64

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.55	25.28	22.01	22.74	30
16QAM	23.6	24.55	21.06	22.01	30
64QAM	22.62	23.6	20.08	21.06	30
256QAM	20.61	20.76	18.07	18.22	30

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

7.1.20LTE Band 71

LTE Band 71, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133147	CH 133297	CH 133447
			665.5 MHz	680.5 MHz	695.5 MHz
QPSK	1	0	24.4	24.44	24.5
	1	12	24.36	24.4	24.46
	1	24	24.32	24.37	24.43
	12	0	23.62	23.74	23.79
	12	6	23.57	23.69	23.68
	12	13	23.44	23.71	23.78
	25	0	23.49	23.53	23.71
16QAM	1	0	23.54	23.53	23.62
	1	12	23.49	23.56	23.66
	1	24	23.5	23.66	23.68
	12	0	22.66	22.79	22.74
	12	6	22.59	22.58	22.76
	12	13	22.46	22.56	22.59
	25	0	22.55	22.58	22.74
64QAM	1	0	22.56	22.57	22.64
	1	12	22.38	22.54	22.54
	1	24	22.55	22.57	22.59
	12	0	21.51	21.54	21.61
	12	6	21.43	21.54	21.7
	12	13	21.47	21.57	21.56
	25	0	21.53	21.48	21.69
256QAM	1	0	19.53	19.76	19.62
	1	12	19.57	19.7	19.76
	1	24	19.63	19.71	19.68
	12	0	19.48	19.61	19.71
	12	6	19.48	19.67	19.72
	12	13	19.47	19.63	19.6
	25	0	19.29	19.48	19.61

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	23.44	24.50	15.09	16.15	34.77
16QAM	22.46	23.68	14.11	15.33	34.77
64QAM	21.43	22.64	13.08	14.29	34.77
256QAM	19.29	19.76	10.94	11.41	34.77

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

LTE Band 71, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133172	CH 133297	CH 133422
			668 MHz	680.5 MHz	693 MHz
QPSK	1	0	24.48	24.48	24.55
	1	24	24.39	24.44	24.53
	1	49	24.35	24.4	24.51
	25	0	23.72	23.82	23.84
	25	12	23.61	23.78	23.73
	25	25	23.53	23.8	23.82
	50	0	23.57	23.57	23.78
16QAM	1	0	23.6	23.57	23.67
	1	24	23.5	23.59	23.73
	1	49	23.5	23.69	23.68
	25	0	22.74	22.79	22.83
	25	12	22.64	22.68	22.76
	25	25	22.52	22.59	22.65
	50	0	22.62	22.63	22.75
64QAM	1	0	22.58	22.65	22.65
	1	24	22.46	22.56	22.61
	1	49	22.6	22.61	22.64
	25	0	21.58	21.54	21.65
	25	12	21.53	21.55	21.71
	25	25	21.54	21.57	21.61
	50	0	21.54	21.48	21.7
256QAM	1	0	19.6	19.79	19.69
	1	24	19.67	19.74	19.76
	1	49	19.69	19.76	19.7
	25	0	19.51	19.63	19.77
	25	12	19.58	19.68	19.77
	25	25	19.5	19.64	19.66
	50	0	19.38	19.51	19.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	23.53	24.55	15.18	16.20	34.77
16QAM	22.52	23.73	14.17	15.38	34.77
64QAM	21.48	22.65	13.13	14.30	34.77
256QAM	19.38	19.79	11.03	11.44	34.77

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

LTE Band 71, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133197	CH 133297	CH 133397
			670.5 MHz	680.5 MHz	690.5 MHz
QPSK	1	0	24.52	24.56	24.58
	1	37	24.48	24.54	24.55
	1	74	24.45	24.51	24.52
	36	0	23.75	23.86	23.85
	36	19	23.69	23.82	23.82
	36	39	23.61	23.8	23.86
	75	0	23.67	23.67	23.78
16QAM	1	0	23.63	23.65	23.76
	1	37	23.55	23.64	23.77
	1	74	23.58	23.74	23.71
	36	0	22.81	22.79	22.86
	36	19	22.73	22.77	22.81
	36	39	22.61	22.66	22.73
	75	0	22.65	22.67	22.77
64QAM	1	0	22.62	22.69	22.73
	1	37	22.54	22.61	22.62
	1	74	22.61	22.66	22.72
	36	0	21.62	21.62	21.72
	36	19	21.59	21.62	21.71
	36	39	21.59	21.67	21.69
	75	0	21.61	21.58	21.7
256QAM	1	0	19.7	19.8	19.79
	1	37	19.68	19.77	19.82
	1	74	19.73	19.8	19.8
	36	0	19.6	19.66	19.77
	36	19	19.67	19.74	19.77
	36	39	19.5	19.64	19.72
	75	0	19.48	19.6	19.68

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	23.61	24.58	15.26	16.23	34.77
16QAM	22.61	23.77	14.26	15.42	34.77
64QAM	21.58	22.73	13.23	14.38	34.77
256QAM	19.48	19.82	11.13	11.47	34.77

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

LTE Band 71, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133222	CH 133297	CH 133372
			673 MHz	680.5 MHz	688 MHz
QPSK	1	0	24.55	24.63	24.68
	1	50	24.51	24.61	24.65
	1	99	24.48	24.58	24.61
	50	0	23.76	23.88	23.94
	50	25	23.72	23.85	23.9
	50	50	23.7	23.83	23.88
	100	0	23.68	23.75	23.85
16QAM	1	0	23.72	23.74	23.82
	1	50	23.64	23.74	23.78
	1	99	23.68	23.78	23.8
	50	0	22.86	22.86	22.88
	50	25	22.8	22.85	22.85
	50	50	22.68	22.76	22.83
	100	0	22.73	22.73	22.8
64QAM	1	0	22.68	22.75	22.75
	1	50	22.64	22.65	22.7
	1	99	22.71	22.71	22.73
	50	0	21.66	21.71	21.79
	50	25	21.64	21.69	21.76
	50	50	21.67	21.69	21.74
	100	0	21.66	21.67	21.7
256QAM	1	0	19.79	19.88	19.89
	1	50	19.74	19.8	19.85
	1	99	19.81	19.81	19.83
	50	0	19.66	19.7	19.8
	50	25	19.73	19.75	19.78
	50	50	19.58	19.66	19.74
	100	0	19.58	19.64	19.71

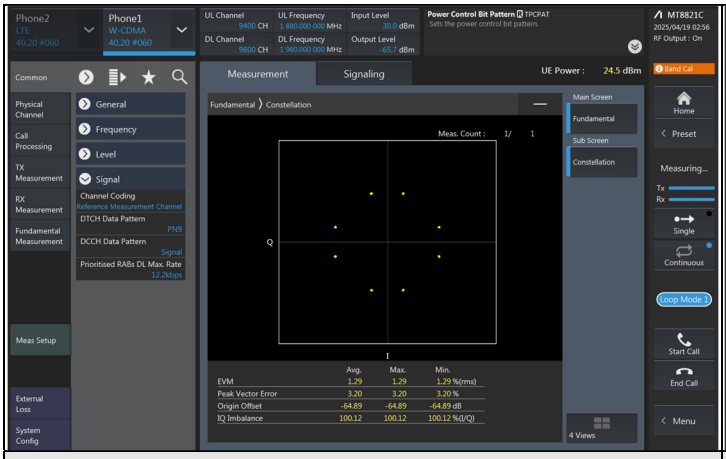
Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	23.68	24.68	15.33	16.33	34.77
16QAM	22.68	23.82	14.33	15.47	34.77
64QAM	21.64	22.75	13.29	14.40	34.77
256QAM	19.58	19.89	11.23	11.54	34.77

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

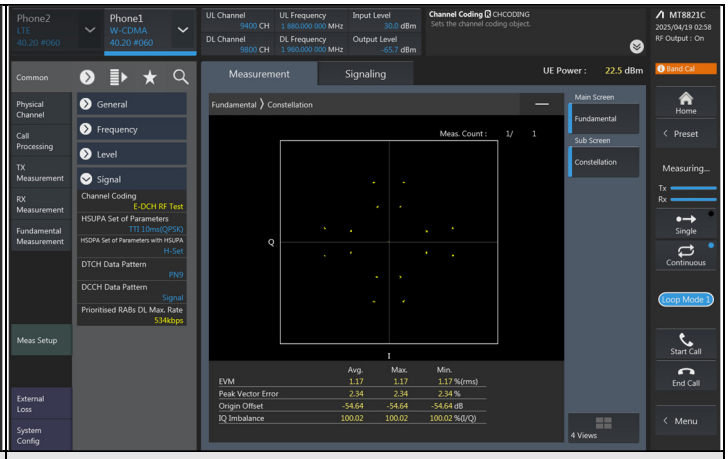
7.2 Modulation Characteristics

Input Power:	3.85 Vdc	Environmental Conditions:	25°C, 66% RH	Tested By:	James Yang

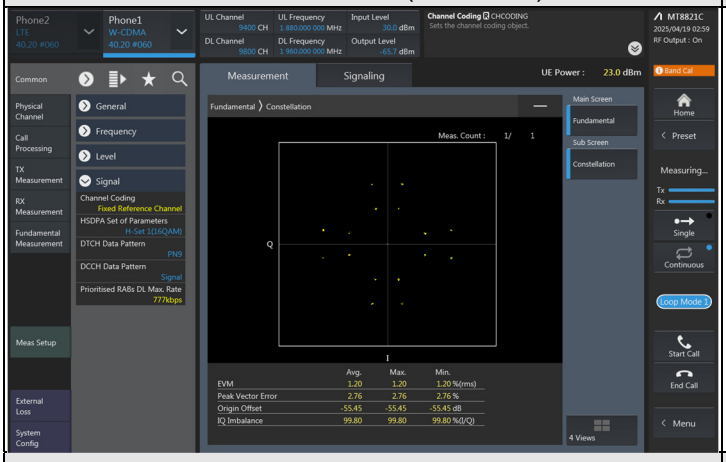
7.2.1 WCDMA Band 2



WCDMA CH 9400 (1880 MHz)

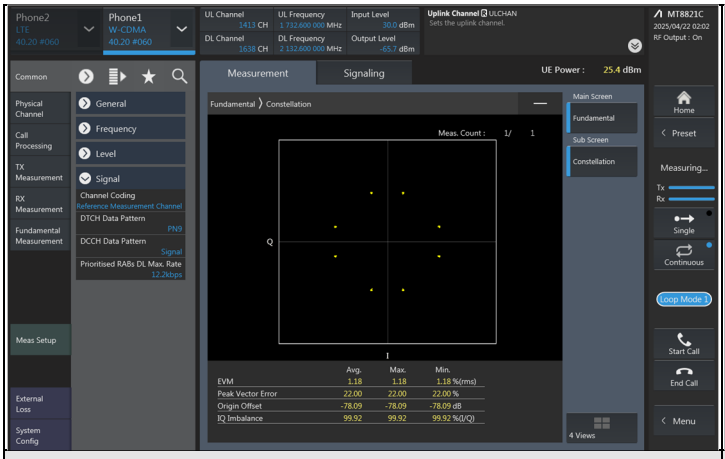


HSUPA CH 9400 (1880 MHz)

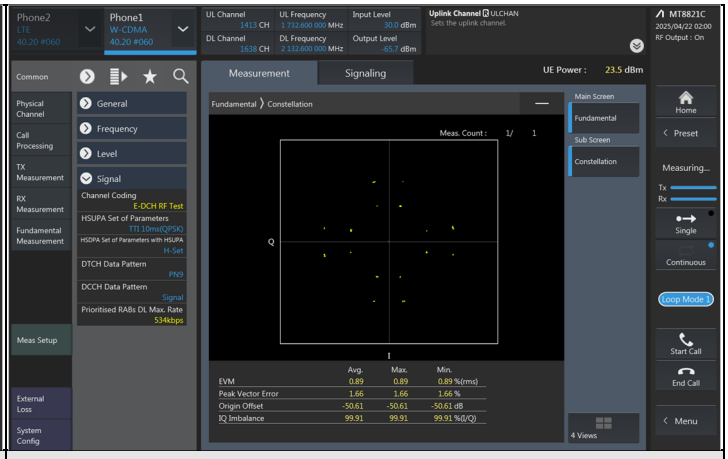


HSDPA CH 9400 (1880 MHz)

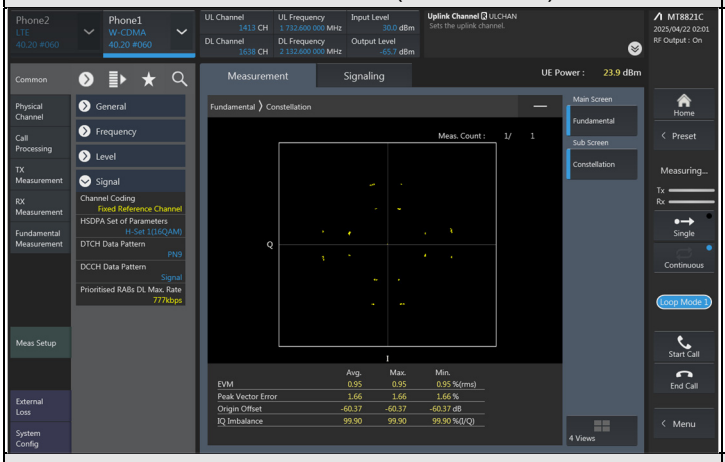
7.2.2 WCDMA Band 4



WCDMA CH 1413 (1732.6 MHz)

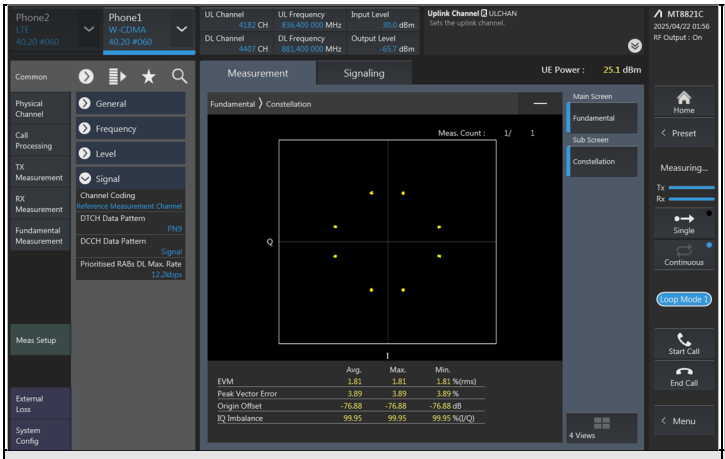


HSUPA CH 1413 (1732.6 MHz)

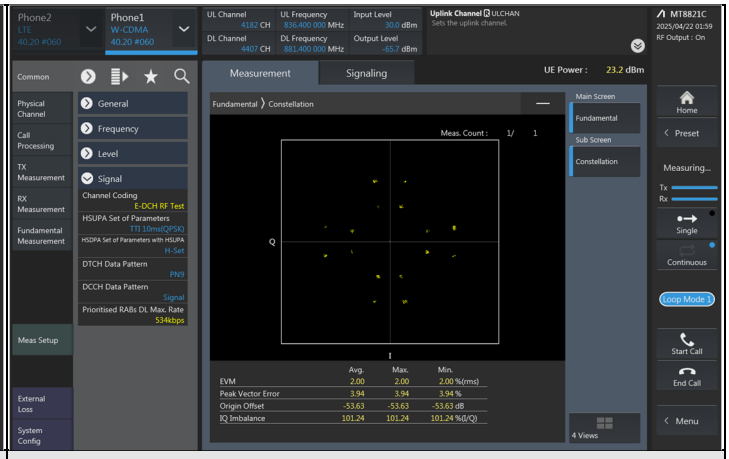


HSDPA CH 1413 (1732.6 MHz)

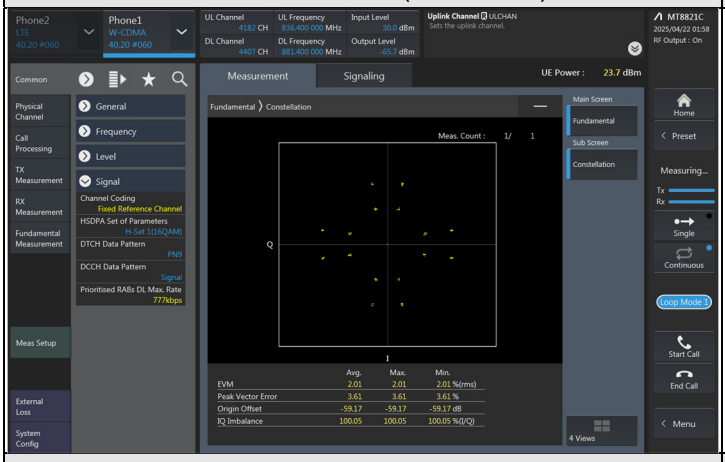
7.2.3 WCDMA Band 5



WCDMA CH 4182 (836.4 MHz)



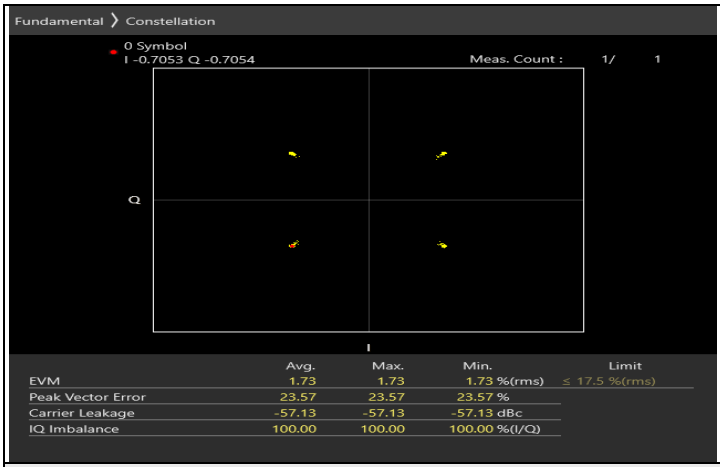
HSUPA CH 4182 (836.4 MHz)



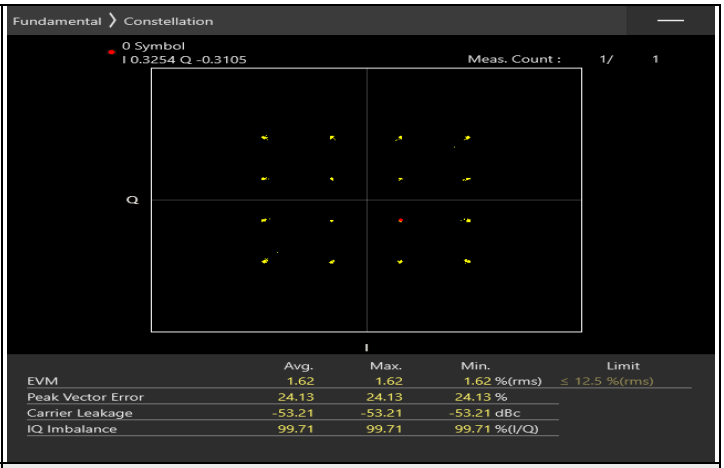
HSDPA CH 4182 (836.4 MHz)

7.2.4 LTE Band 2

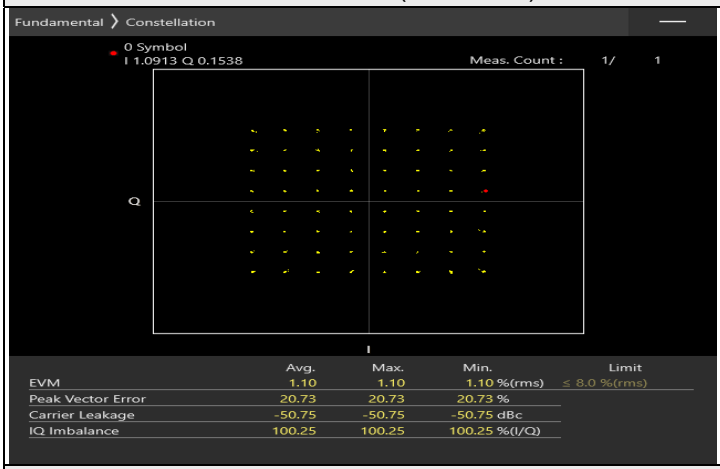
LTE Band 2, Channel Bandwidth: 20 MHz



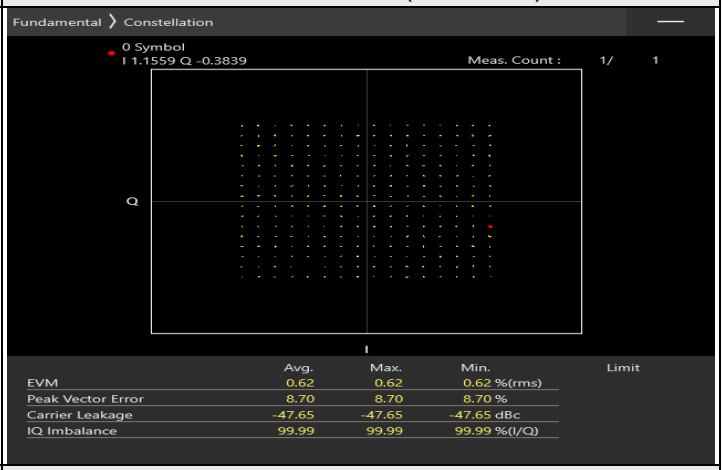
QPSK CH 18900 (1880 MHz)



16QAM CH 18900 (1880 MHz)



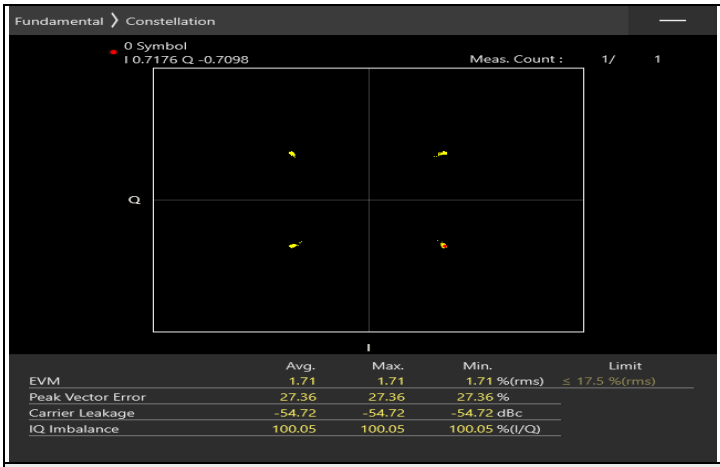
64QAM CH 18900 (1880 MHz)



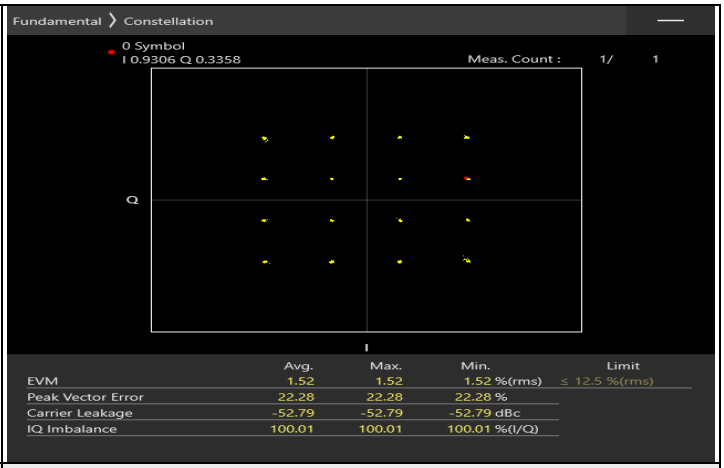
256QAM CH 18900 (1880 MHz)

7.2.5 LTE Band 4

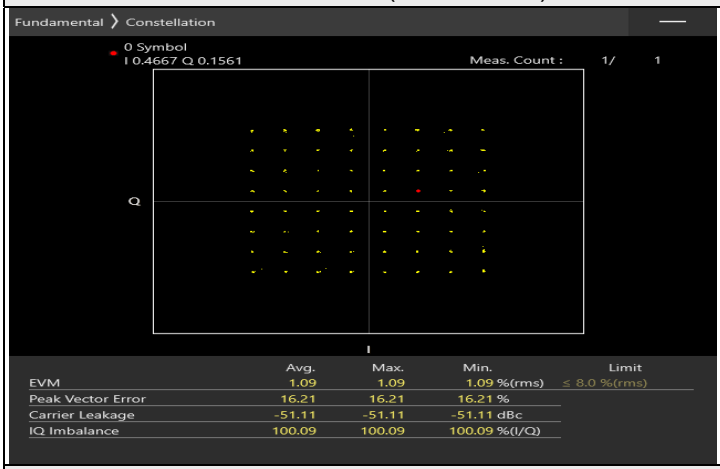
LTE Band 4, Channel Bandwidth: 20 MHz



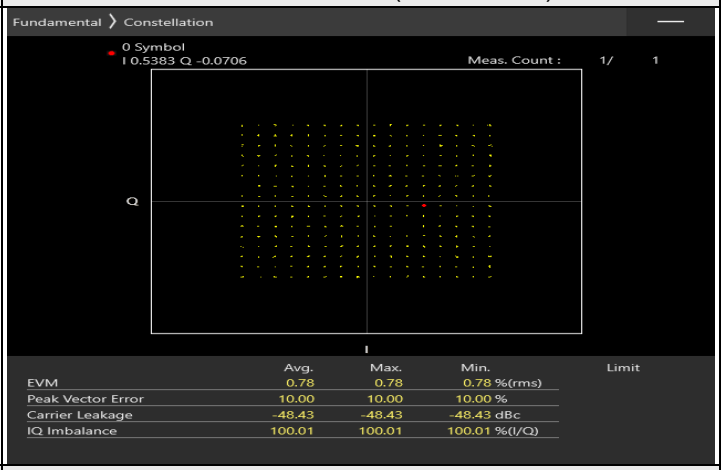
QPSK CH 20175 (1732.5 MHz)



16QAM CH 20175 (1732.5 MHz)



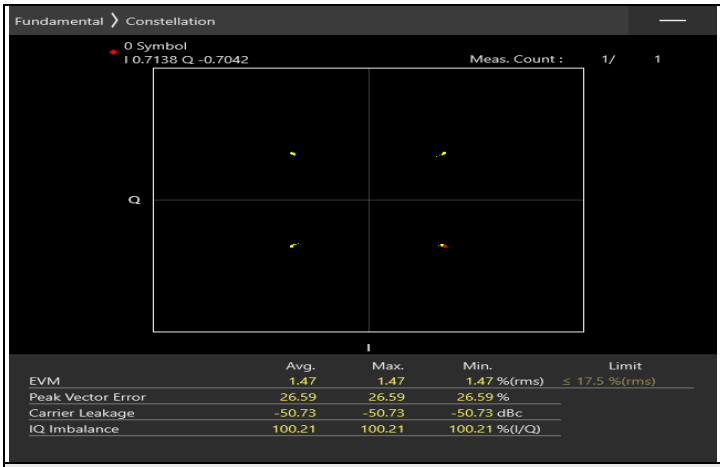
64QAM CH 20175 (1732.5 MHz)



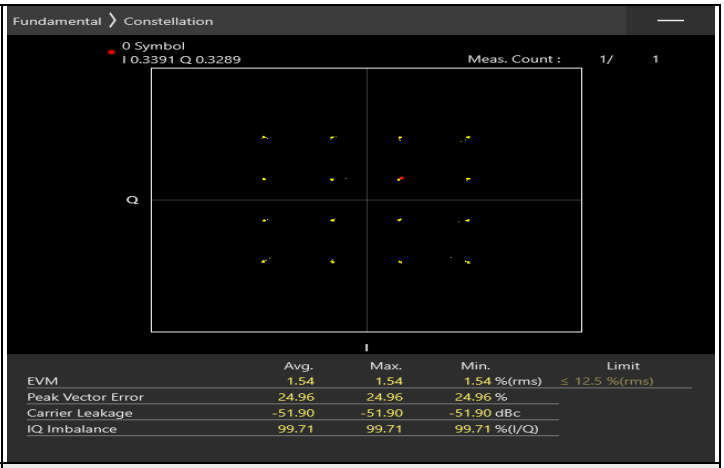
256QAM CH 20175 (1732.5 MHz)

7.2.6 LTE Band 5

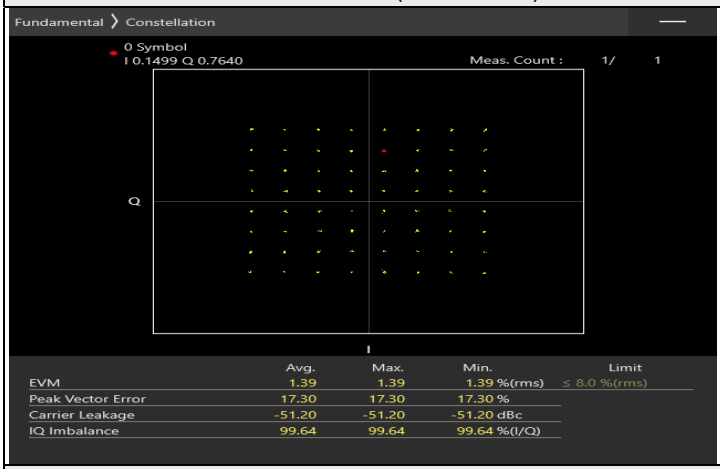
LTE Band 5, Channel Bandwidth: 10 MHz



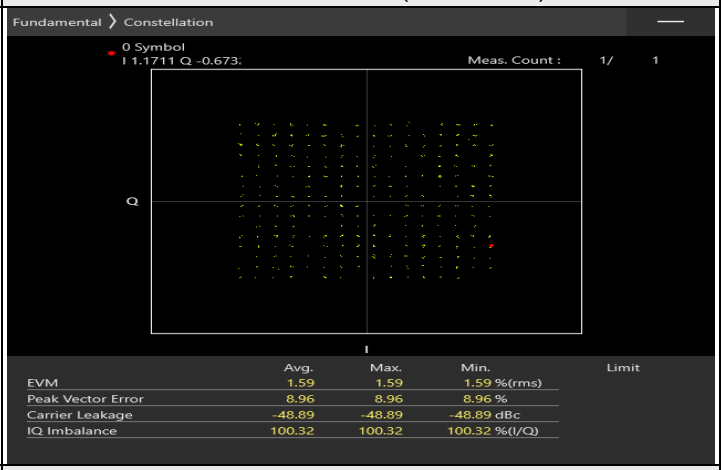
QPSK CH 20525 (836.5 MHz)



16QAM CH 20525 (836.5 MHz)



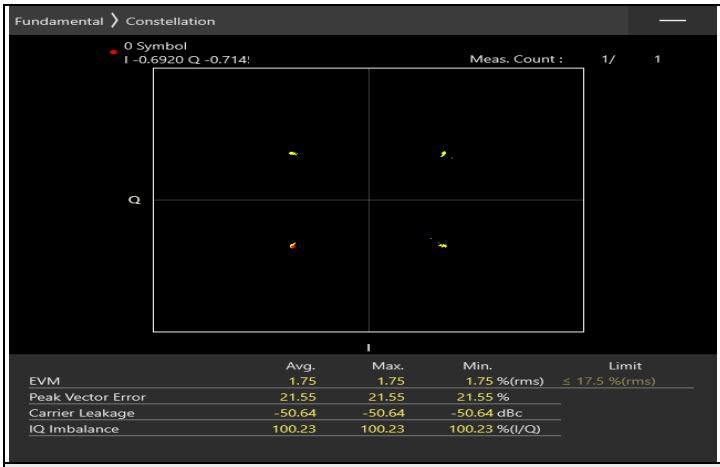
64QAM CH 20525 (836.5 MHz)



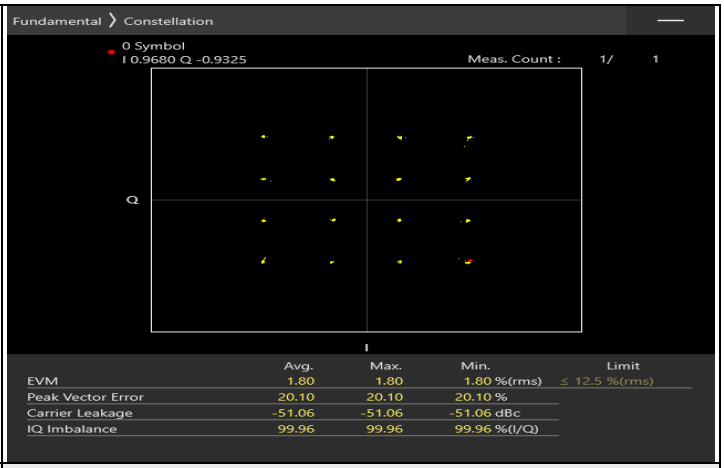
256QAM CH 20525 (836.5 MHz)

7.2.7 LTE Band 12

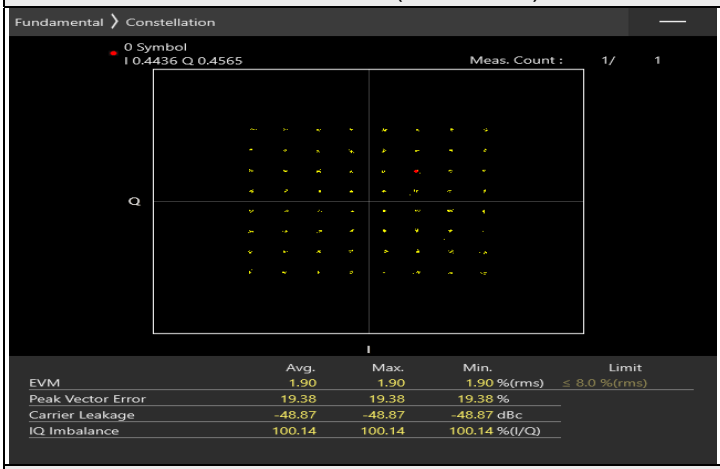
LTE Band 12, Channel Bandwidth: 10 MHz



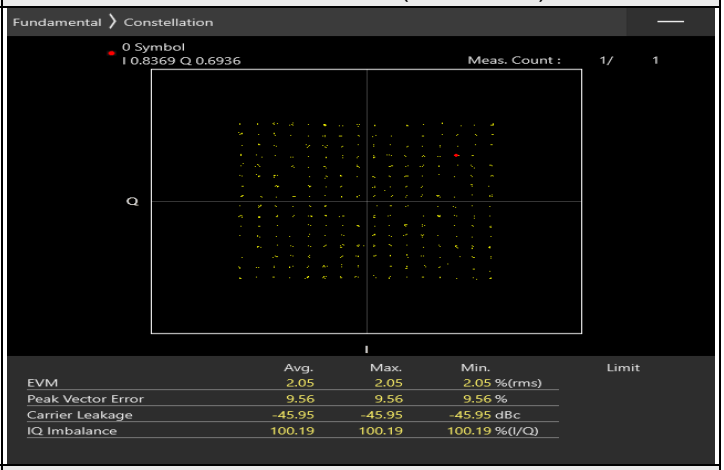
QPSK CH 23095 (707.5 MHz)



16QAM CH 23095 (707.5 MHz)



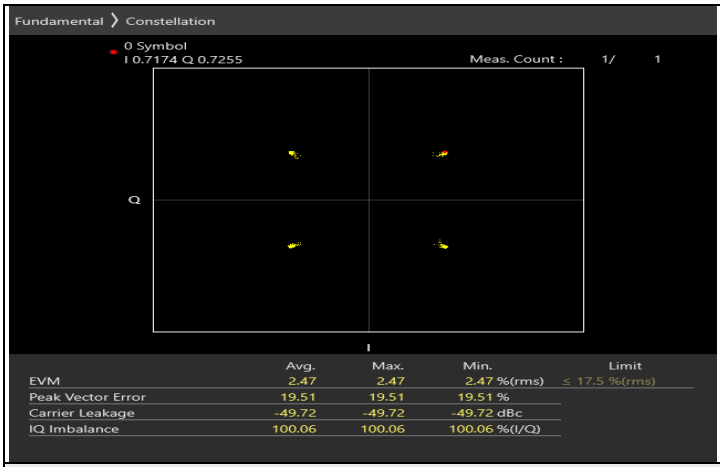
64QAM CH 23095 (707.5 MHz)



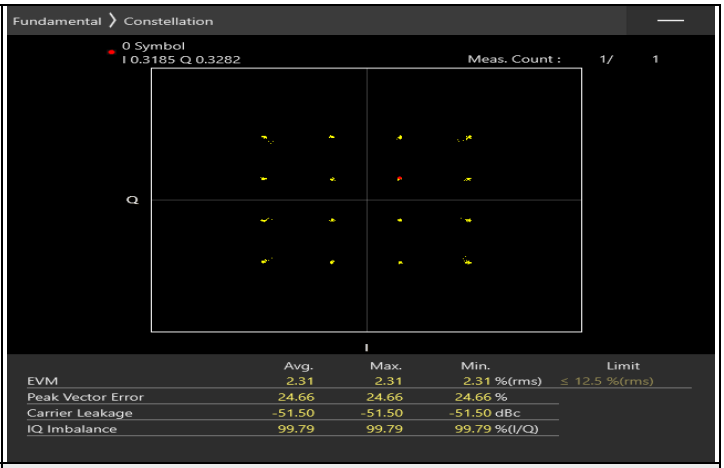
256QAM CH 23095 (707.5 MHz)

7.2.8 LTE Band 13

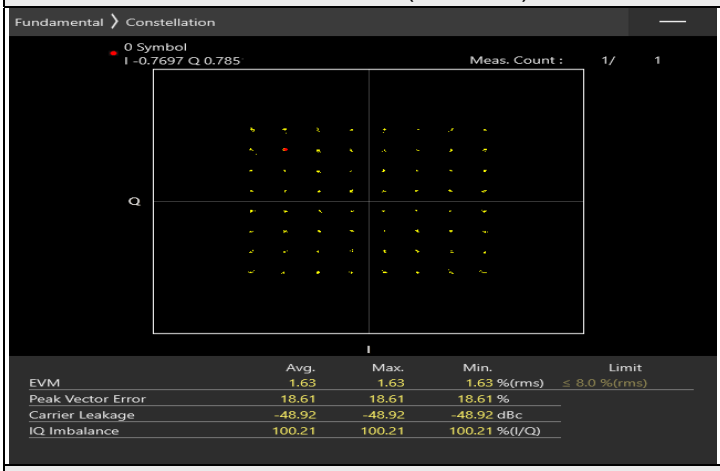
LTE Band 13, Channel Bandwidth: 10 MHz



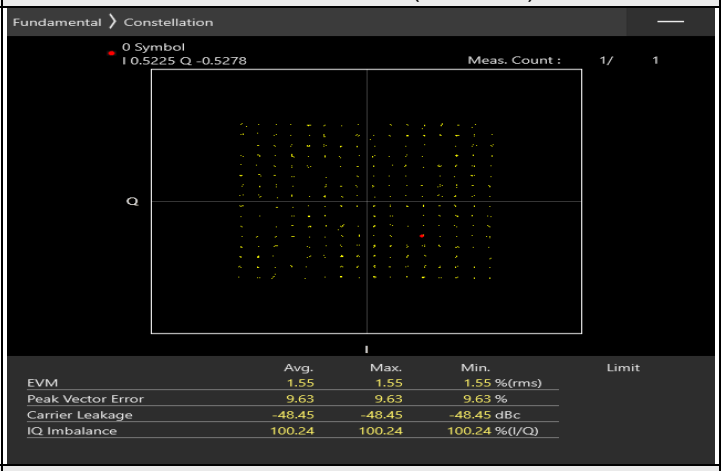
QPSK CH 23230 (782 MHz)



16QAM CH 23230 (782 MHz)



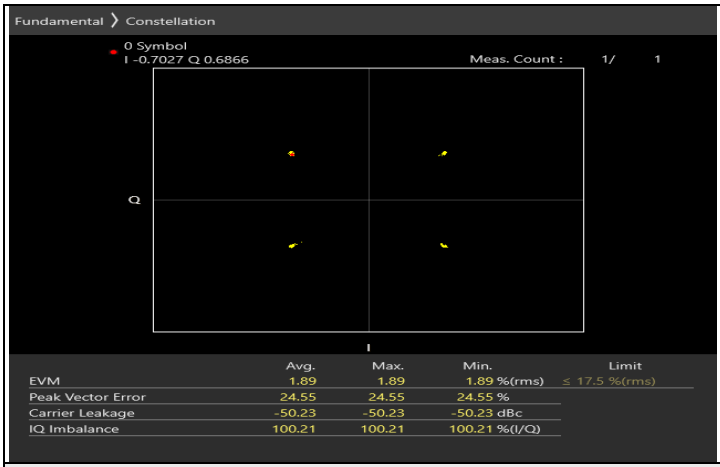
64QAM CH 23230 (782 MHz)



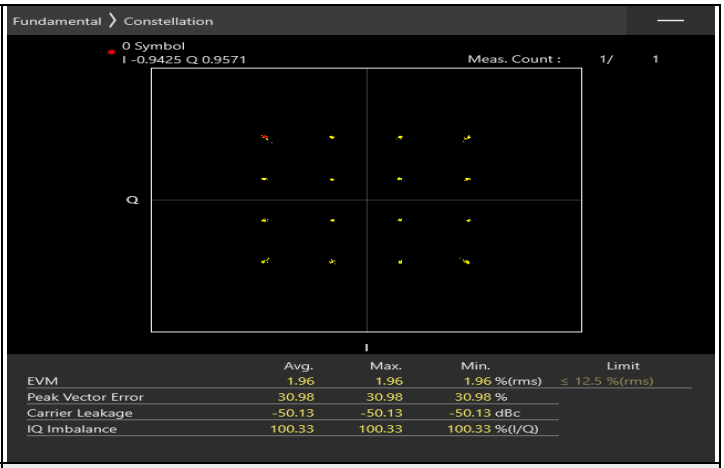
256QAM CH 23230 (782 MHz)

7.2.9 LTE Band 14

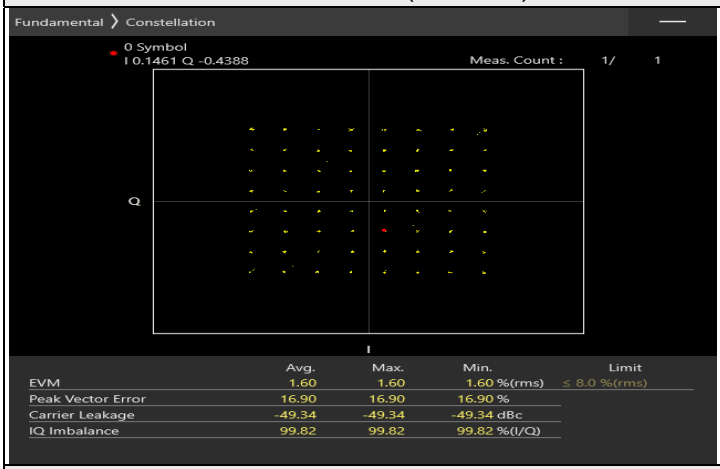
LTE Band 14, Channel Bandwidth: 10 MHz



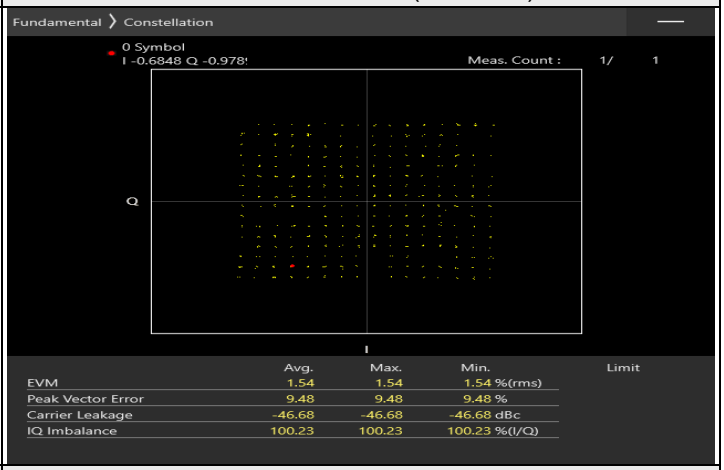
QPSK CH 23330 (793 MHz)



16QAM CH 23330 (793 MHz)



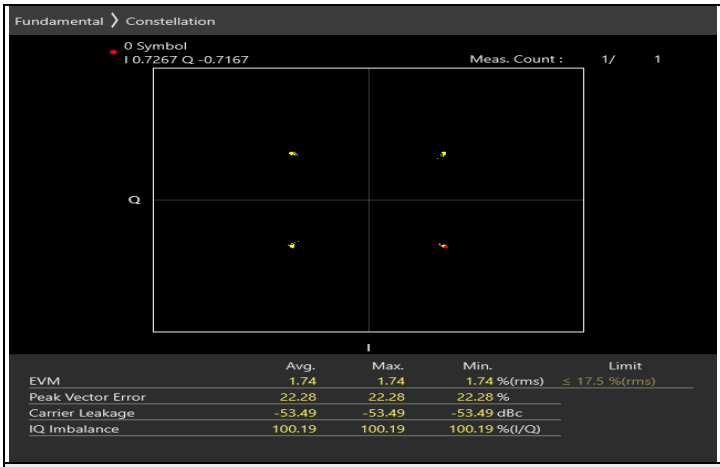
64QAM CH 23330 (793 MHz)



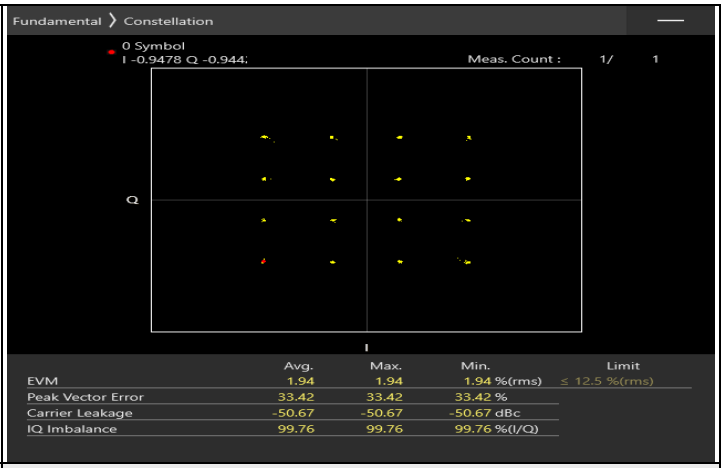
256QAM CH 23330 (793 MHz)

7.2.10LTE Band 17

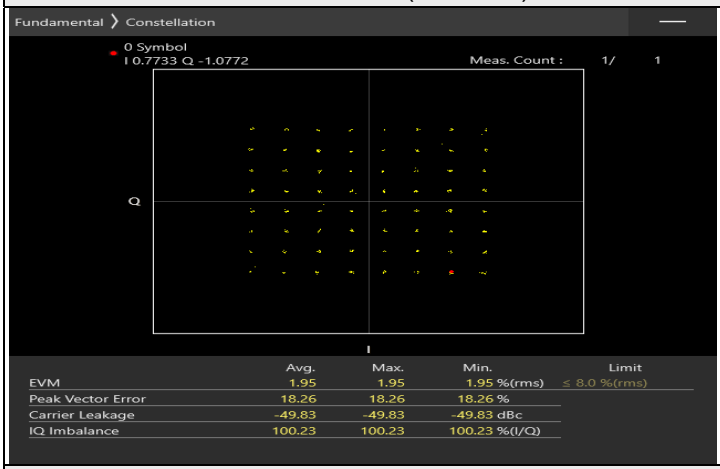
LTE Band 17, Channel Bandwidth: 10 MHz



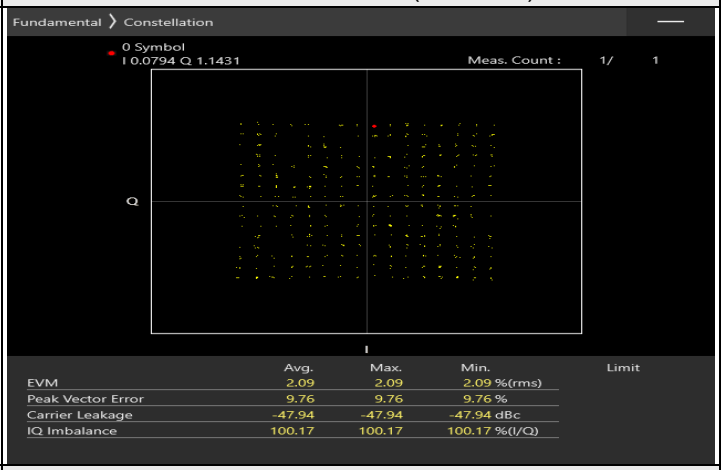
QPSK CH 23790 (710 MHz)



16QAM CH 23790 (710 MHz)



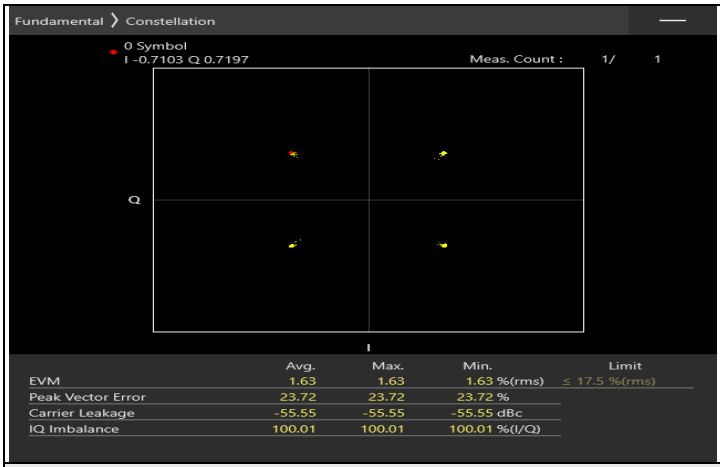
64QAM CH 23790 (710 MHz)



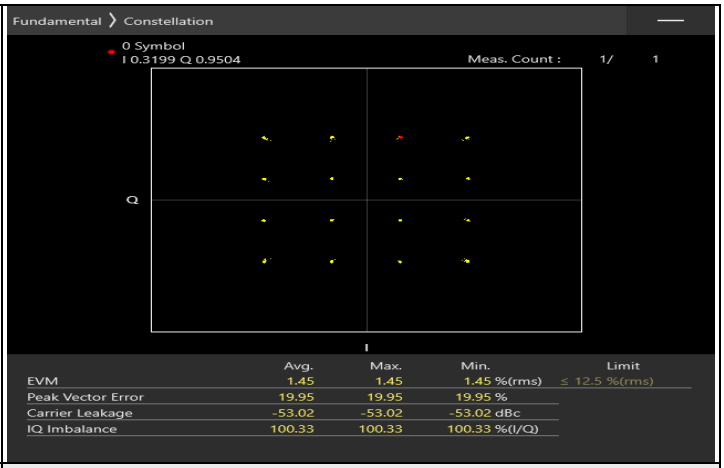
256QAM CH 23790 (710 MHz)

7.2.11LTE Band 25

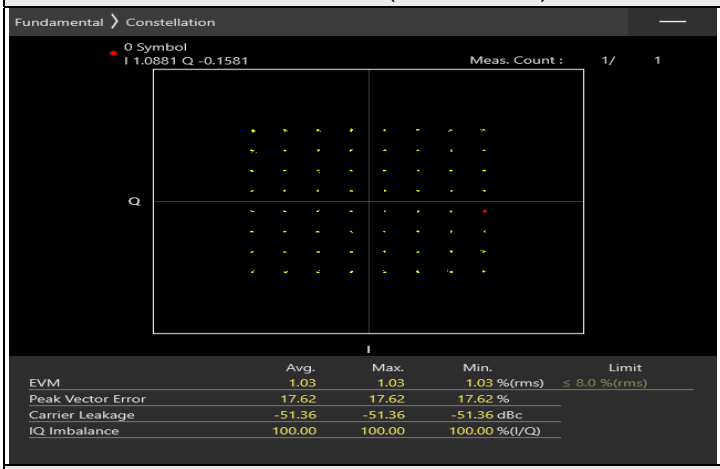
LTE Band 25, Channel Bandwidth: 20 MHz



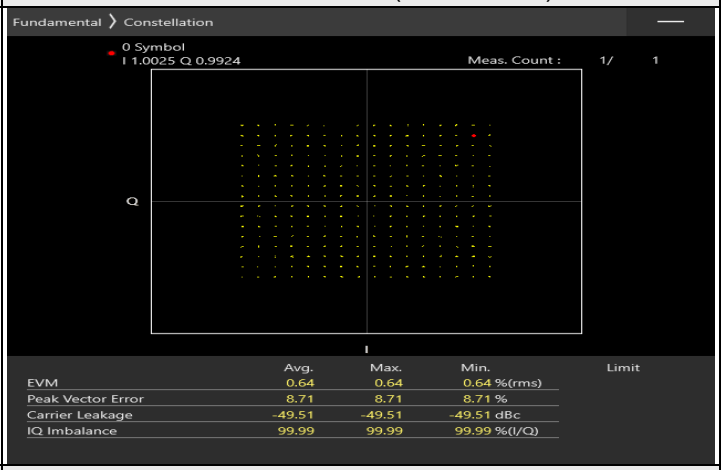
QPSK CH 26365 (1882.5 MHz)



16QAM CH 26365 (1882.5 MHz)



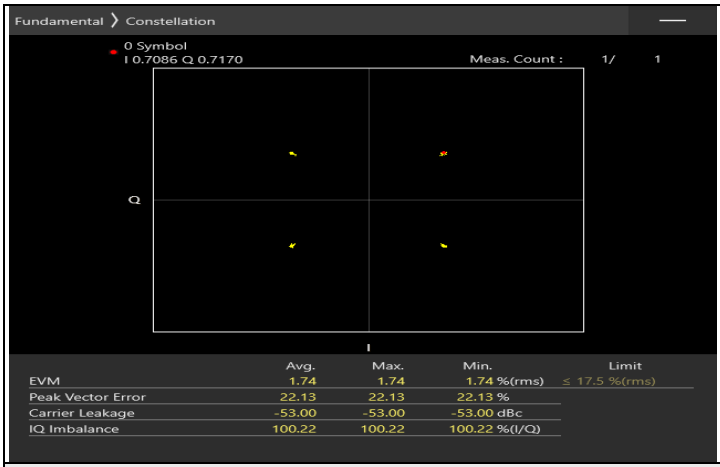
64QAM CH 26365 (1882.5 MHz)



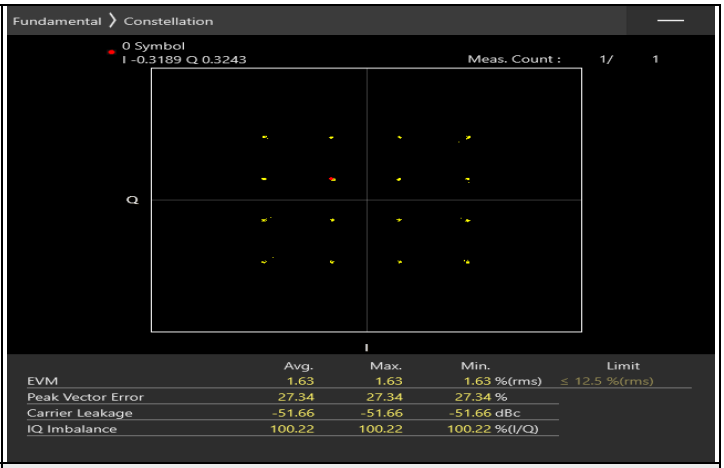
256QAM CH 26365 (1882.5 MHz)

7.2.12LTE Band 26 (814 MHz ~ 824 MHz)

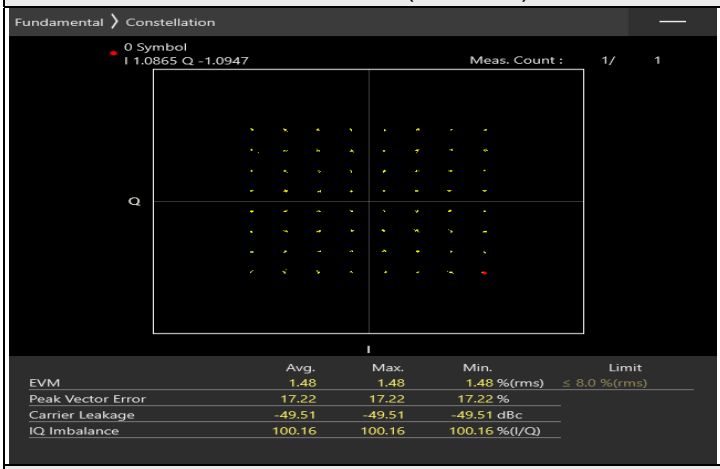
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 10 MHz



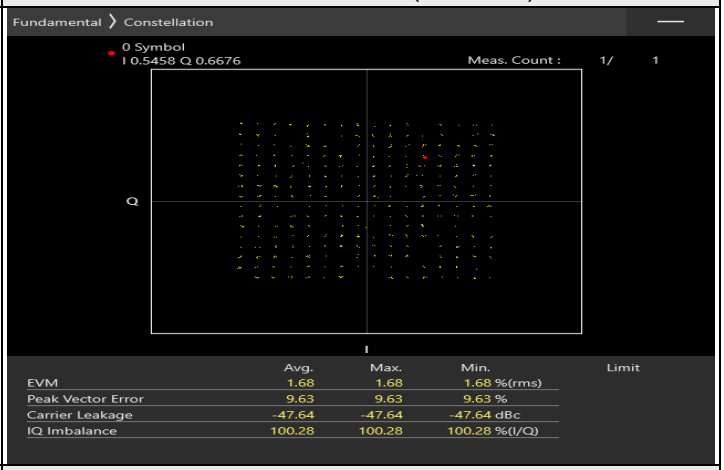
QPSK CH 26740 (819 MHz)



16QAM CH 26740 (819 MHz)



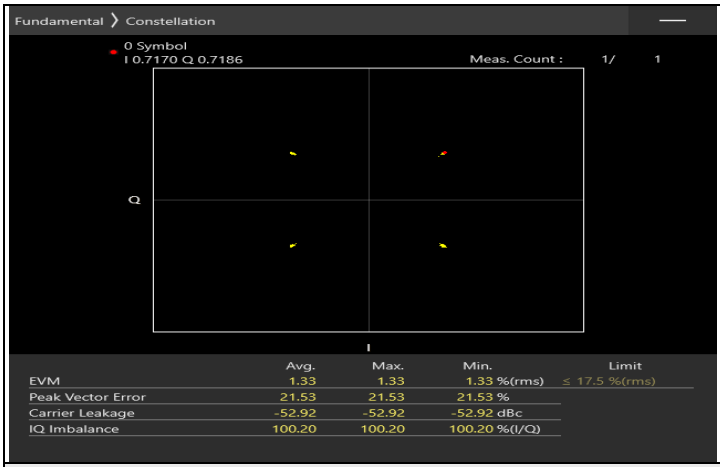
64QAM CH 26740 (819 MHz)



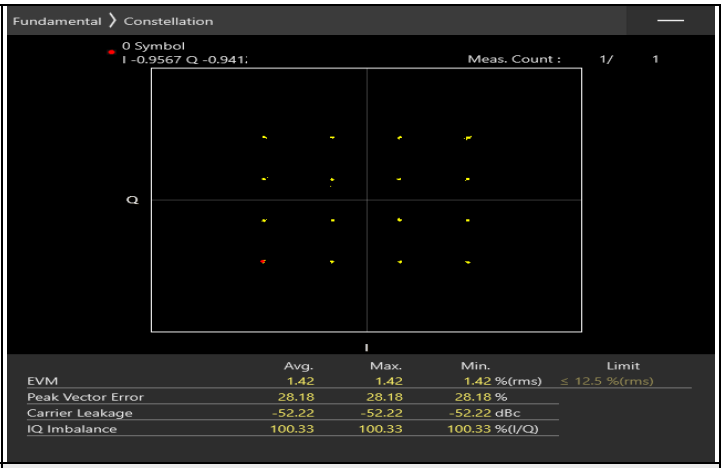
256QAM CH 26740 (819 MHz)

7.2.13LTE Band 26 (824 MHz ~ 849 MHz)

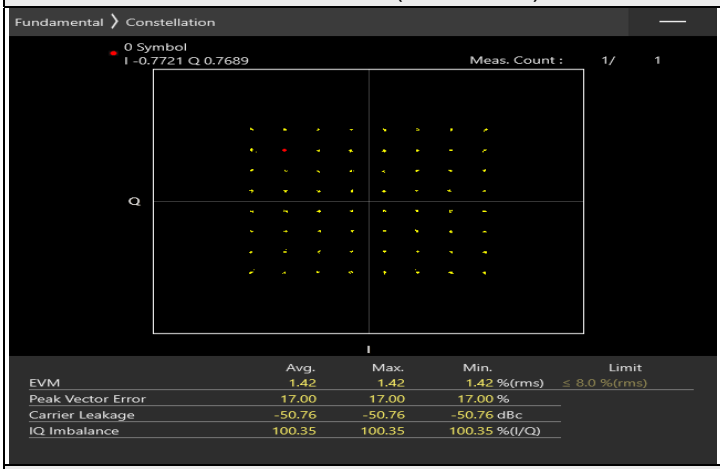
LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 15 MHz



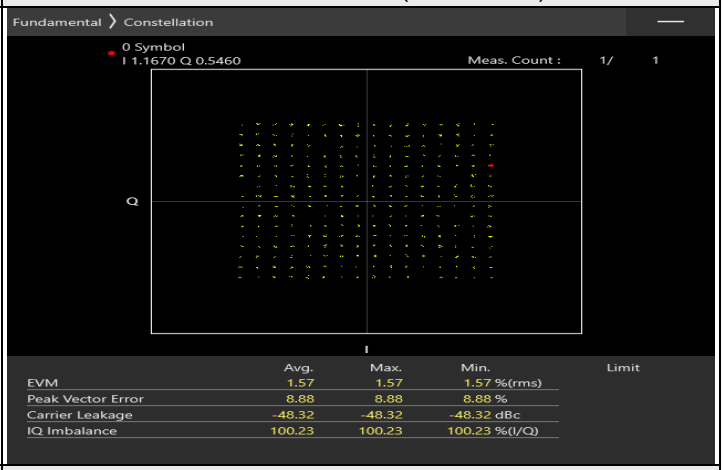
QPSK CH 26915 (836.5 MHz)



16QAM CH 26915 (836.5 MHz)



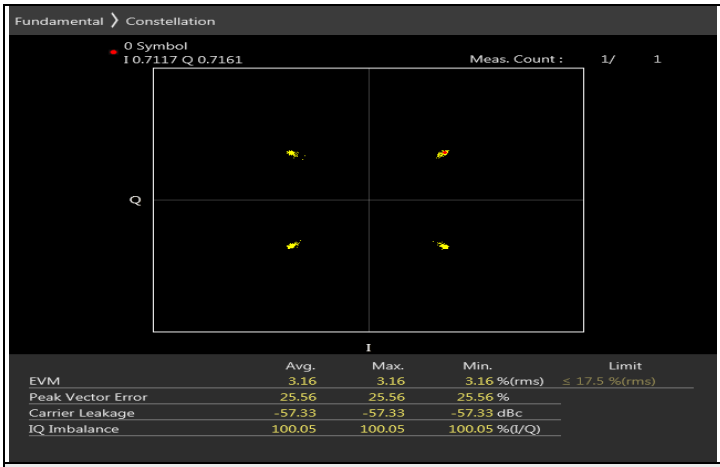
64QAM CH 26915 (836.5 MHz)



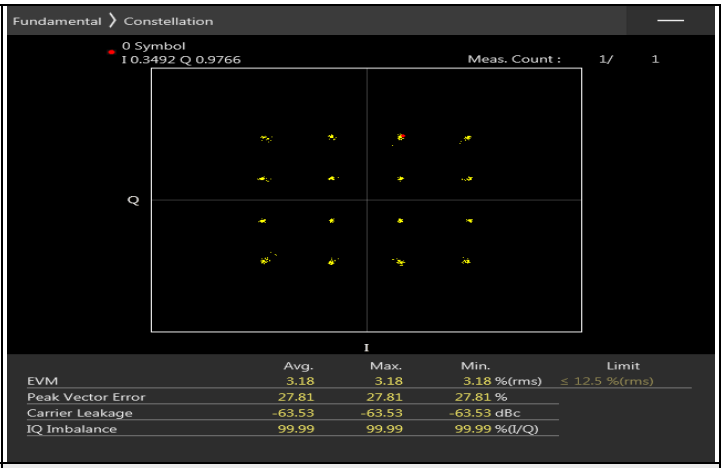
256QAM CH 26915 (836.5 MHz)

7.2.14LTE Band 30

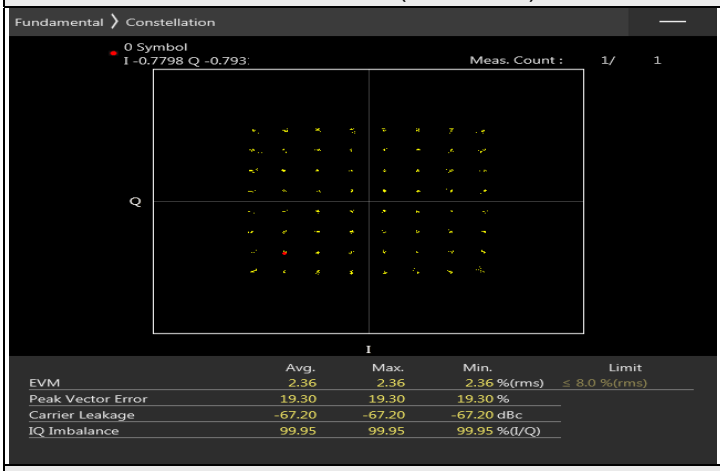
LTE Band 30, Channel Bandwidth: 10 MHz



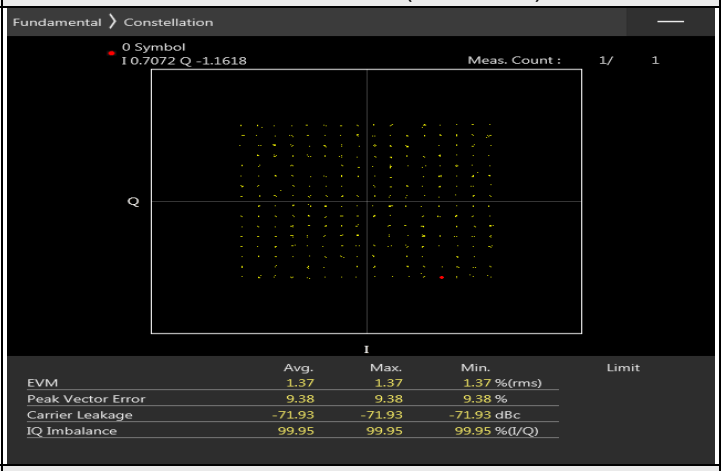
QPSK CH 27710 (2310 MHz)



16QAM CH 27710 (2310 MHz)



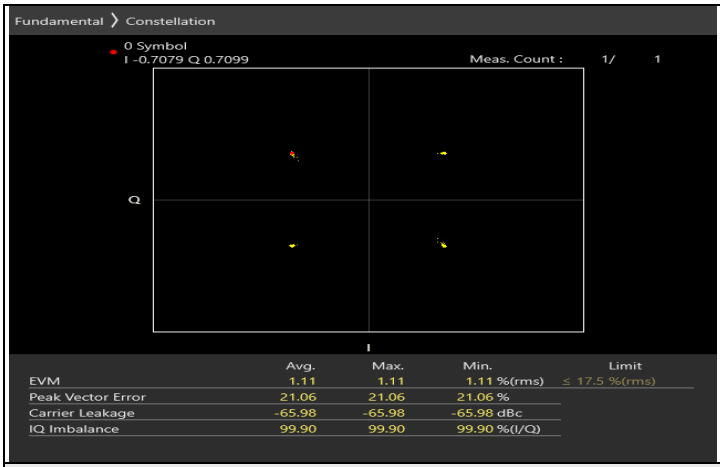
64QAM CH 27710 (2310 MHz)



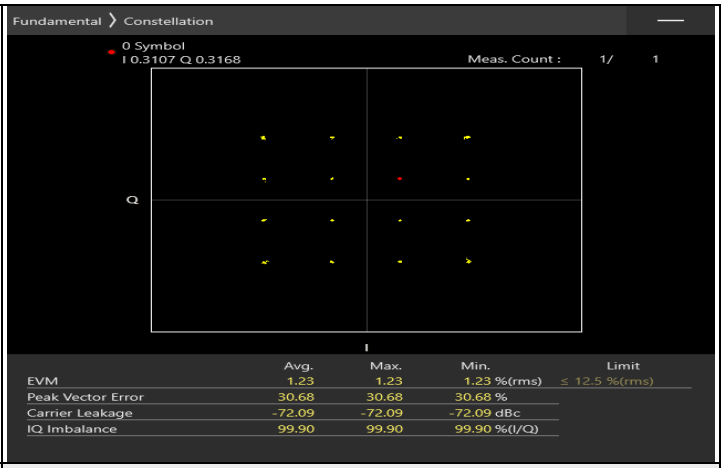
256QAM CH 27710 (2310 MHz)

7.2.15 LTE Band 38

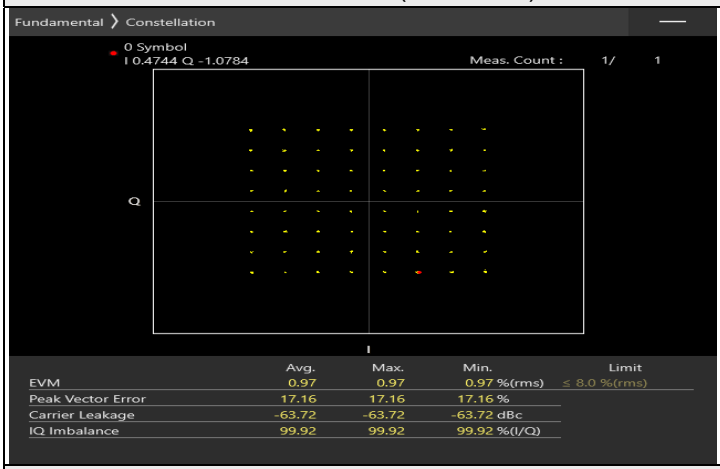
LTE Band 38, Channel Bandwidth: 20 MHz



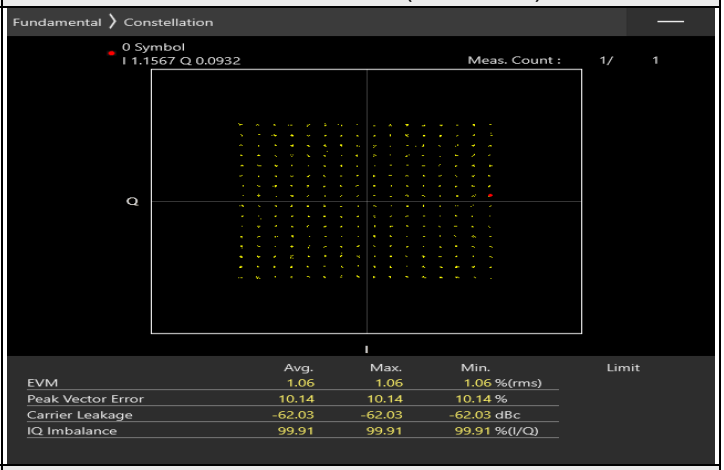
QPSK CH 38000 (2595 MHz)



16QAM CH 38000 (2595 MHz)



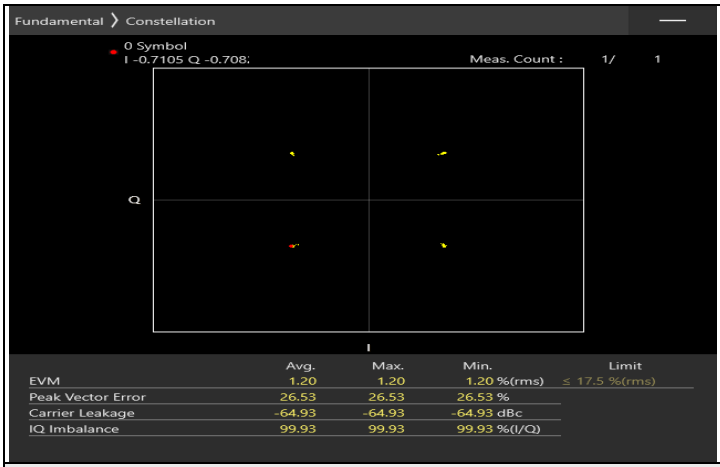
64QAM CH 38000 (2595 MHz)



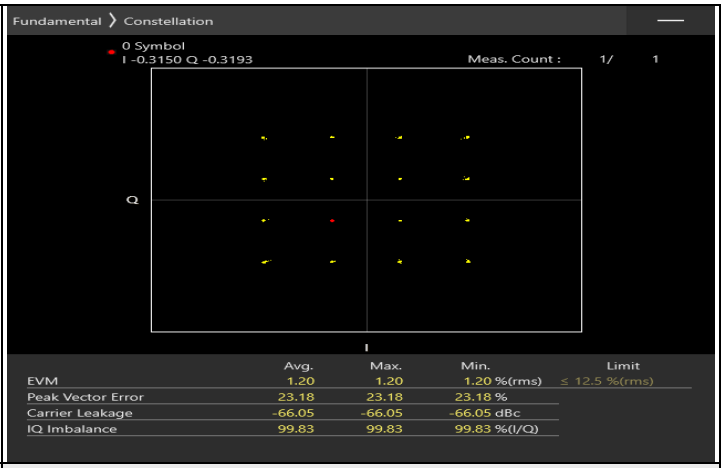
256QAM CH 38000 (2595 MHz)

7.2.16 LTE Band 41

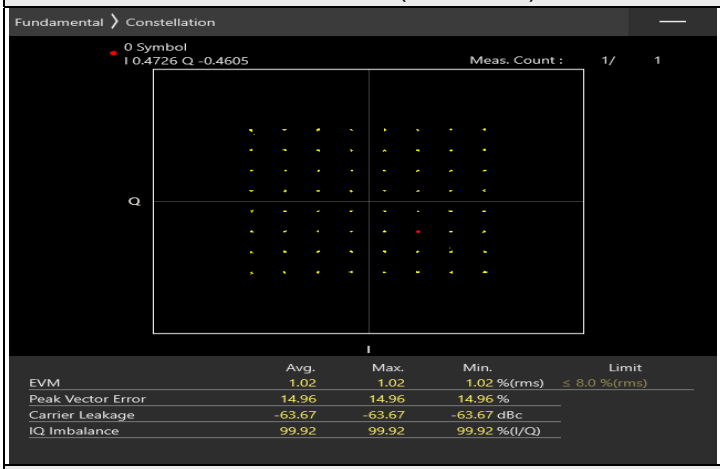
LTE Band 41, Channel Bandwidth: 20 MHz



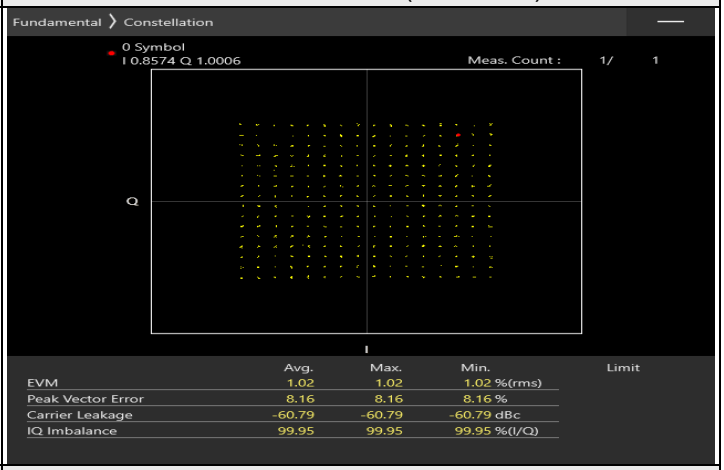
QPSK CH 40620 (2593 MHz)



16QAM CH 40620 (2593 MHz)



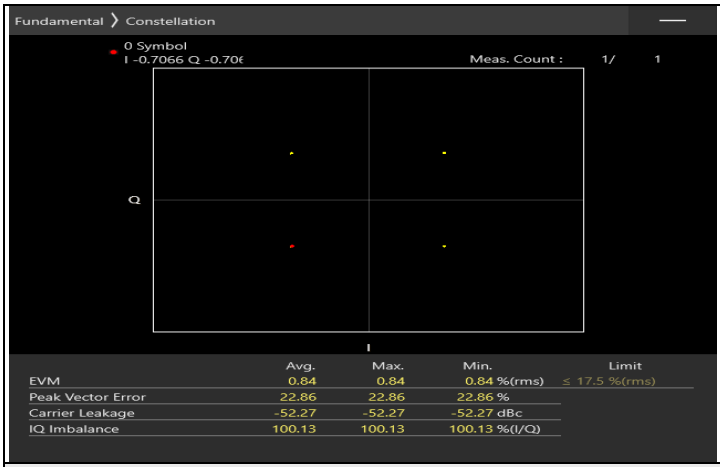
64QAM CH 40620 (2593 MHz)



256QAM CH 40620 (2593 MHz)

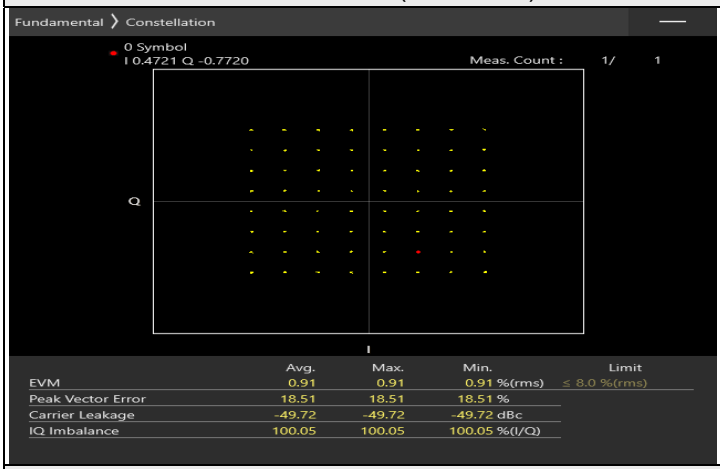
7.2.17 LTE Band 42 (3.45 GHz ~ 3.55 GHz)

LTE Band 42 (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 20 MHz

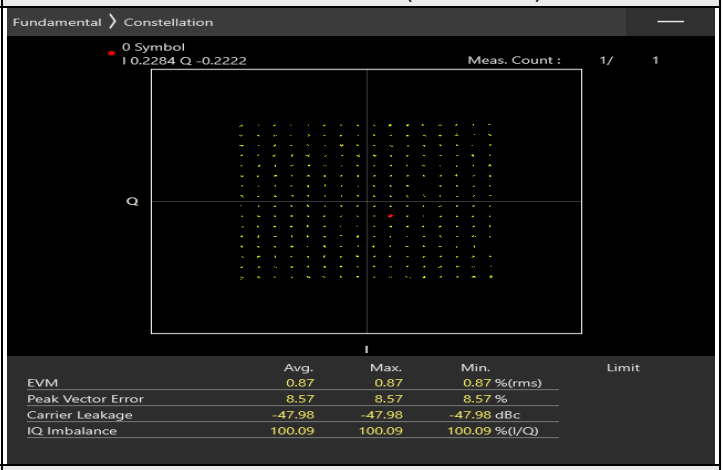


QPSK CH 42590 (3500 MHz)

16QAM CH 42590 (3500 MHz)



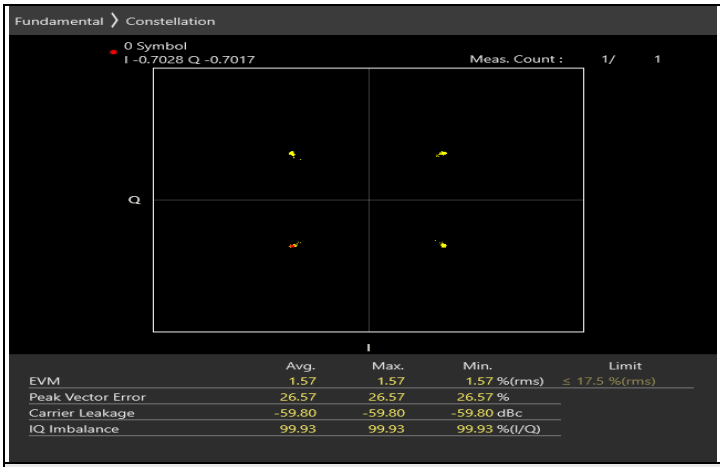
64QAM CH 42590 (3500 MHz)



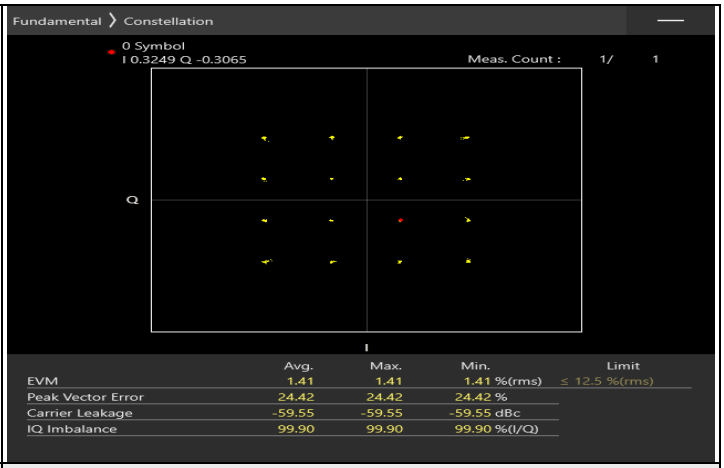
256QAM CH 42590 (3500 MHz)

7.2.18 LTE Band 66

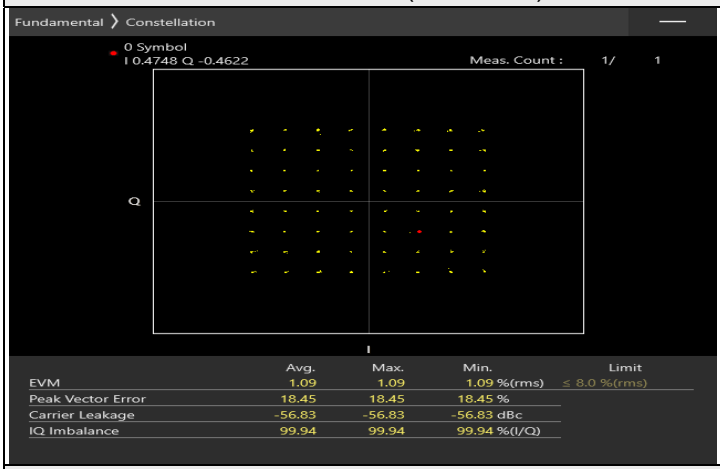
LTE Band 66, Channel Bandwidth: 20 MHz



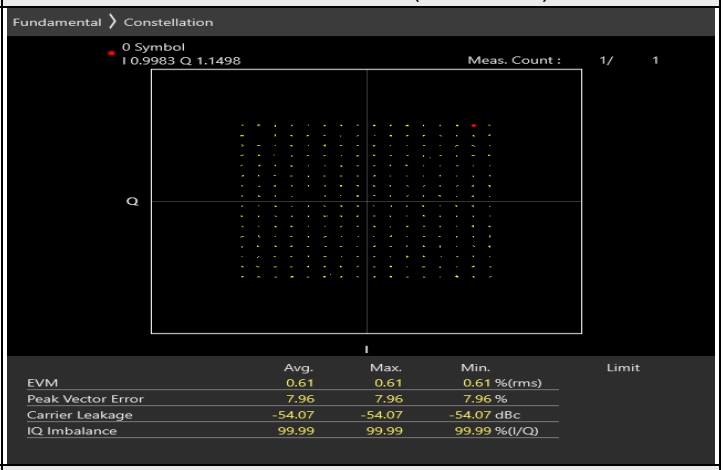
QPSK CH 132322 (1745 MHz)



16QAM CH 132322 (1745 MHz)



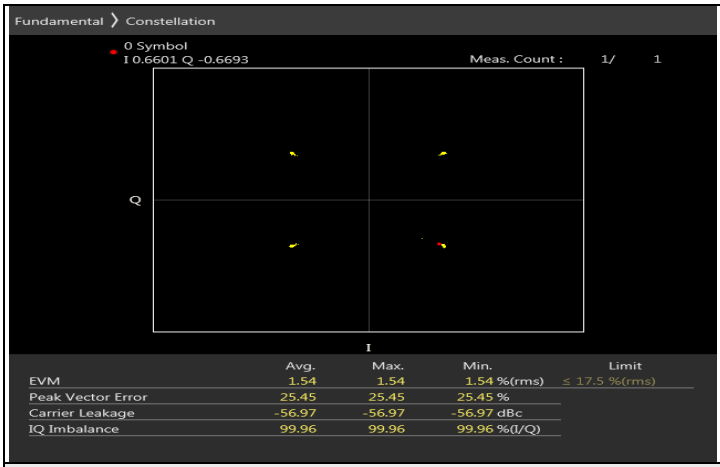
64QAM CH 132322 (1745 MHz)



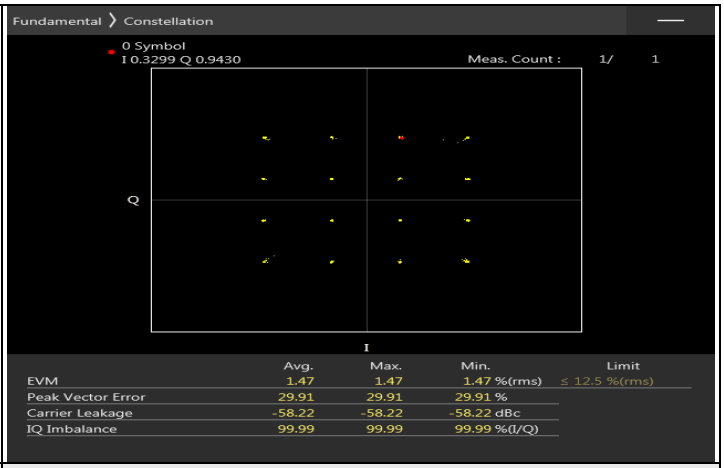
256QAM CH 132322 (1745 MHz)

7.2.19 LTE Band 70

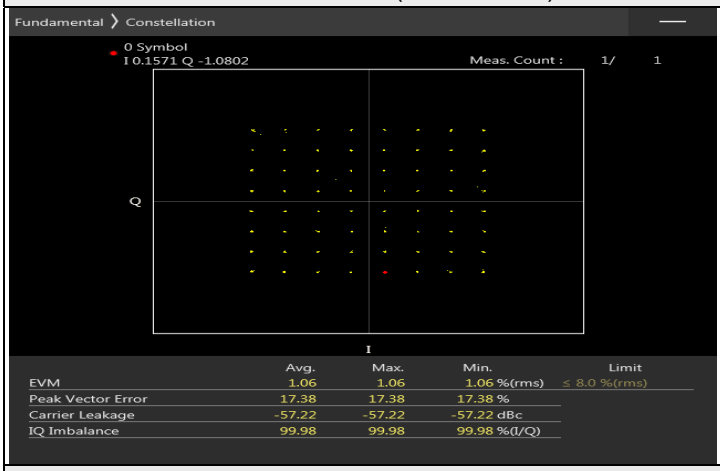
LTE Band 70, Channel Bandwidth: 15 MHz



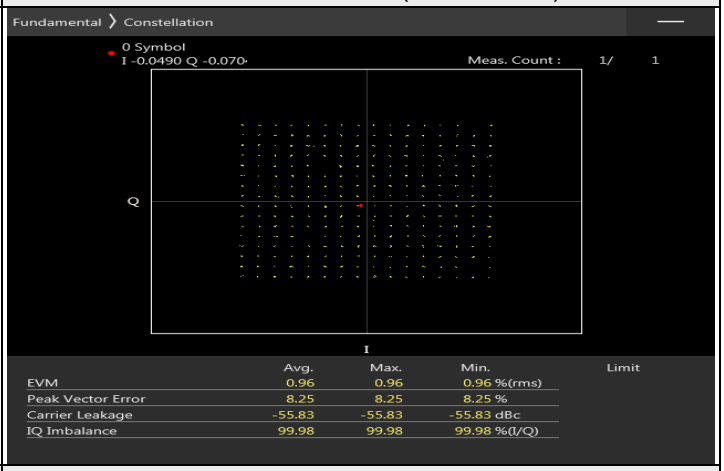
QPSK CH 133047 (1702.5 MHz)



16QAM CH 133047 (1702.5 MHz)



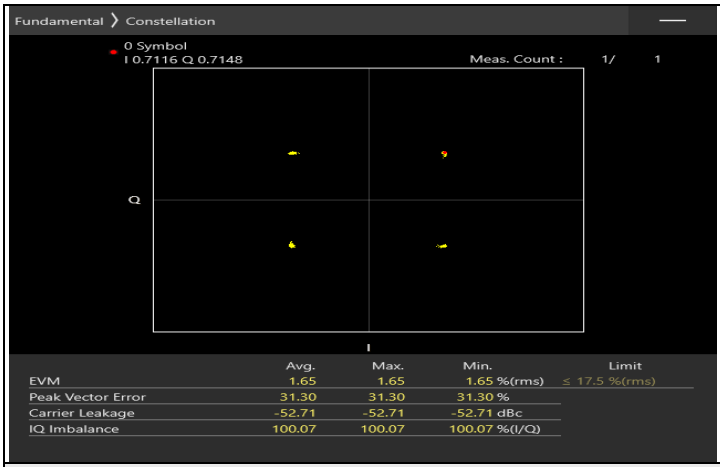
64QAM CH 133047 (1702.5 MHz)



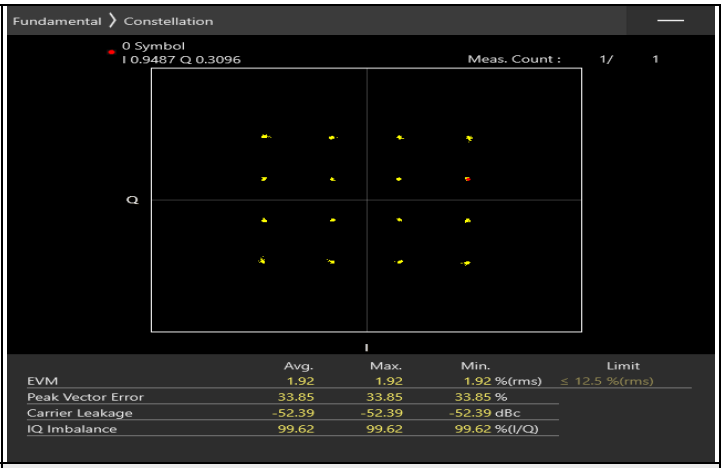
256QAM CH 133047 (1702.5 MHz)

7.2.20 LTE Band 71

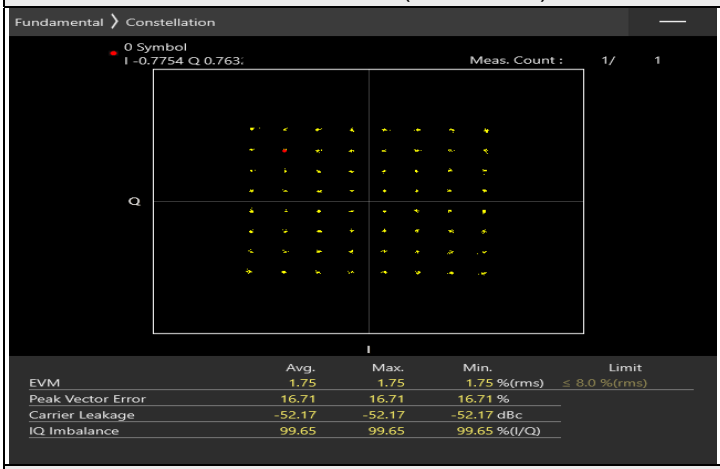
LTE Band 71, Channel Bandwidth: 20 MHz



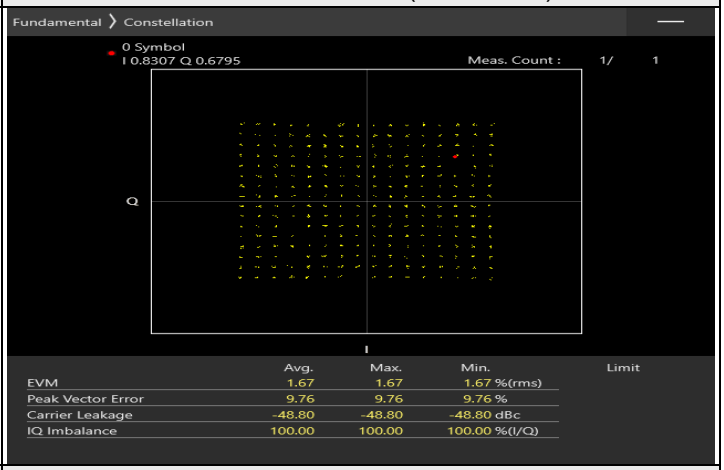
QPSK CH 133297 (680.5 MHz)



16QAM CH 133297 (680.5 MHz)



64QAM CH 133297 (680.5 MHz)



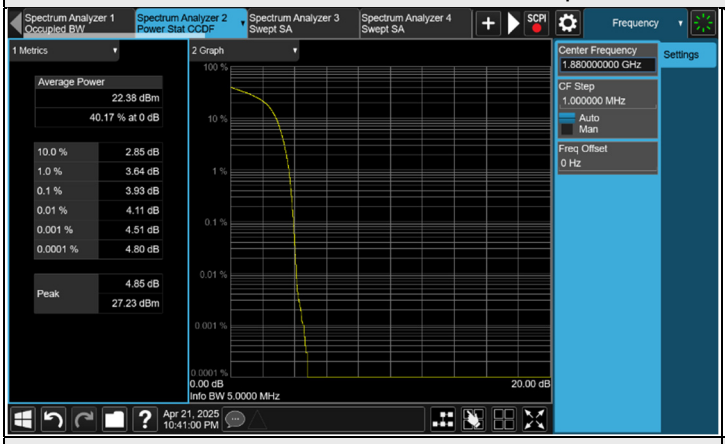
256QAM CH 133297 (680.5 MHz)

7.3 Peak to Average Ratio

Input Power:	3.85 Vdc	Environmental Conditions:	25°C, 66% RH	Tested By:	James Yang

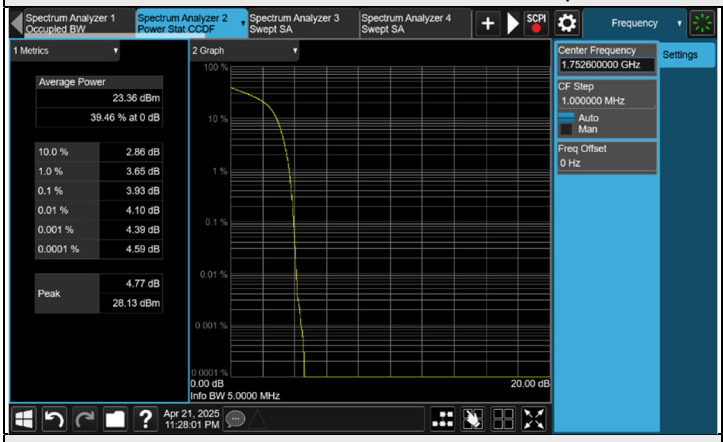
7.3.1 WCDMA Band 2

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
WCDMA	9262	1852.4	2.66	13	Pass
WCDMA	9400	1880	2.75	13	Pass
WCDMA	9538	1907.6	2.64	13	Pass
HSDPA	9262	1852.4	3.76	13	Pass
HSDPA	9400	1880	3.83	13	Pass
HSDPA	9538	1907.6	3.80	13	Pass
HSUPA	9262	1852.4	3.83	13	Pass
HSUPA	9400	1880	3.93	13	Pass
HSUPA	9538	1907.6	3.93	13	Pass

Spectrum Plot of Worst Value	
	
HSUPA CH 9400 (1880 MHz)	

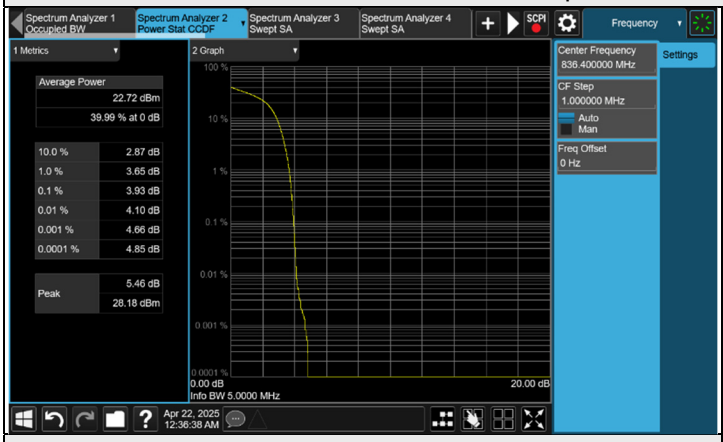
7.3.2 WCDMA Band 4

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
WCDMA	1312	1712.4	2.81	13	Pass
WCDMA	1413	1732.6	2.78	13	Pass
WCDMA	1513	1752.6	2.74	13	Pass
HSDPA	1312	1712.4	3.89	13	Pass
HSDPA	1413	1732.6	3.78	13	Pass
HSDPA	1513	1752.6	3.93	13	Pass
HSUPA	1312	1712.4	3.81	13	Pass
HSUPA	1413	1732.6	3.84	13	Pass
HSUPA	1513	1752.6	3.87	13	Pass

Spectrum Plot of Worst Value	
	
HSDPA CH 1513 (1752.6 MHz)	

7.3.3 WCDMA Band 5

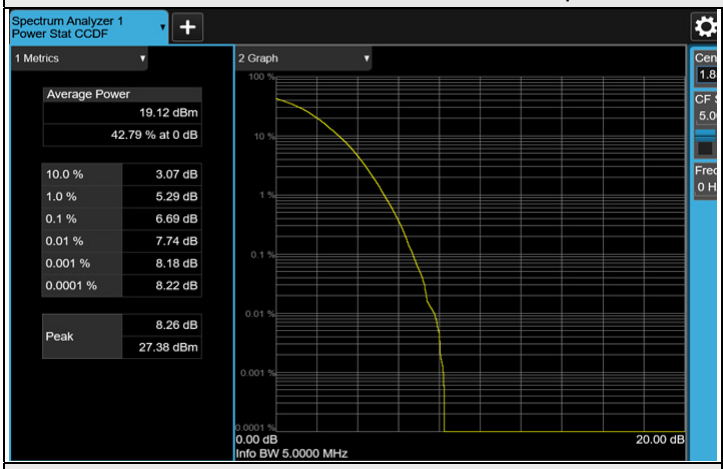
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
WCDMA	4132	826.4	2.83	13	Pass
WCDMA	4182	836.4	3.88	13	Pass
WCDMA	4223	846.6	2.87	13	Pass
HSDPA	4132	826.4	3.93	13	Pass
HSDPA	4182	836.4	3.84	13	Pass
HSDPA	4223	846.6	3.90	13	Pass
HSUPA	4132	826.4	3.82	13	Pass
HSUPA	4182	836.4	3.93	13	Pass
HSUPA	4223	846.6	3.85	13	Pass

Spectrum Plot of Worst Value	
	
HSUPA CH 4182 (836.4 MHz)	

7.3.4 LTE Band 2

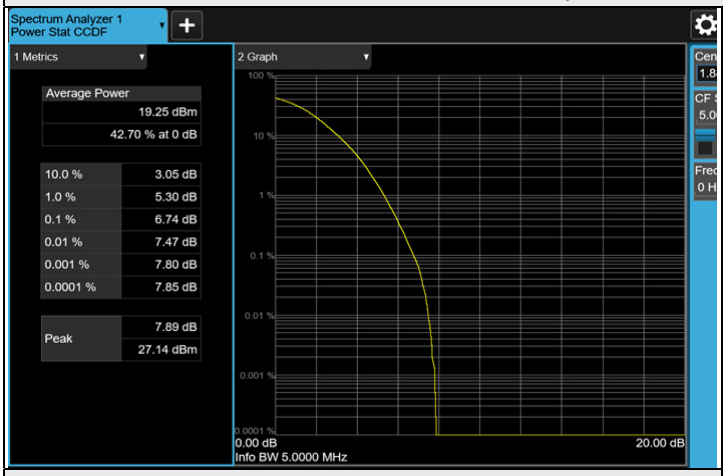
LTE Band 2, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18607	1850.7	4.08	13	PASS
QPSK	18900	1880	4.09	13	PASS
QPSK	19193	1909.3	3.97	13	PASS
16QAM	18607	1850.7	4.99	13	PASS
16QAM	18900	1880	5.12	13	PASS
16QAM	19193	1909.3	5.05	13	PASS
64QAM	18607	1850.7	5.11	13	PASS
64QAM	18900	1880	5.15	13	PASS
64QAM	19193	1909.3	4.94	13	PASS
256QAM	18607	1850.7	6.69	13	PASS
256QAM	18900	1880	6.62	13	PASS
256QAM	19193	1909.3	6.49	13	PASS

Spectrum Plot of Worst Value	
	
256QAM CH 18607 (1850.7 MHz)	

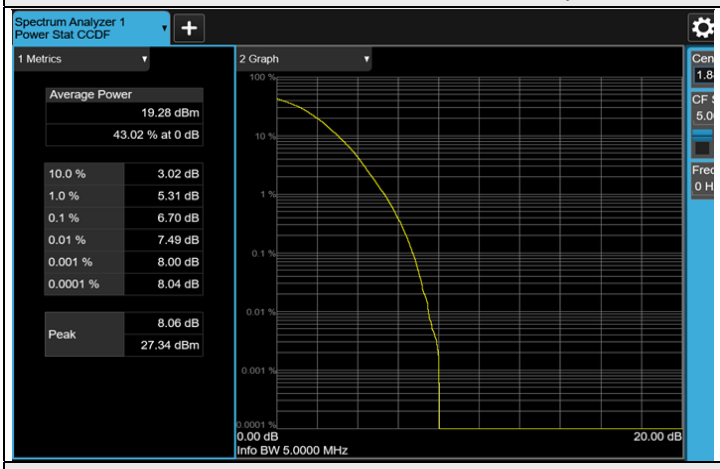
LTE Band 2, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18615	1851.5	3.94	13	PASS
QPSK	18900	1880	4.05	13	PASS
QPSK	19185	1908.5	3.90	13	PASS
16QAM	18615	1851.5	4.98	13	PASS
16QAM	18900	1880	5.15	13	PASS
16QAM	19185	1908.5	5.00	13	PASS
64QAM	18615	1851.5	5.63	13	PASS
64QAM	18900	1880	5.76	13	PASS
64QAM	19185	1908.5	5.66	13	PASS
256QAM	18615	1851.5	6.52	13	PASS
256QAM	18900	1880	6.74	13	PASS
256QAM	19185	1908.5	6.54	13	PASS

Spectrum Plot of Worst Value	
	
256QAM CH 18900 (1880 MHz)	

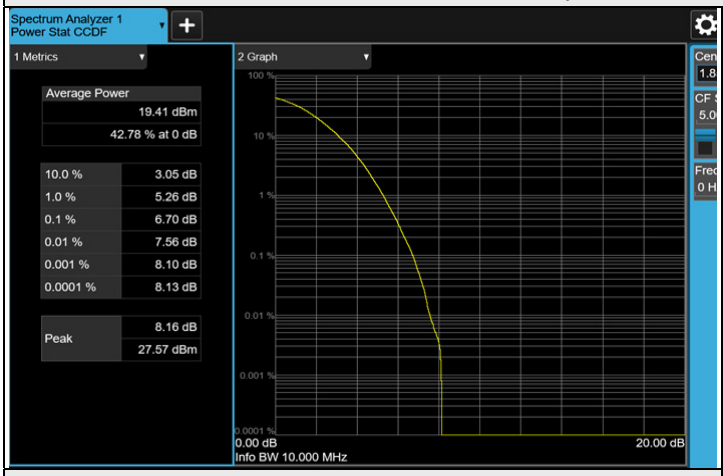
LTE Band 2, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18625	1852.5	3.94	13	PASS
QPSK	18900	1880	4.06	13	PASS
QPSK	19175	1907.5	3.95	13	PASS
16QAM	18625	1852.5	4.96	13	PASS
16QAM	18900	1880	5.04	13	PASS
16QAM	19175	1907.5	4.91	13	PASS
64QAM	18625	1852.5	5.68	13	PASS
64QAM	18900	1880	5.75	13	PASS
64QAM	19175	1907.5	5.49	13	PASS
256QAM	18625	1852.5	6.55	13	PASS
256QAM	18900	1880	6.70	13	PASS
256QAM	19175	1907.5	6.66	13	PASS

Spectrum Plot of Worst Value	
	
256QAM CH 18900 (1880 MHz)	

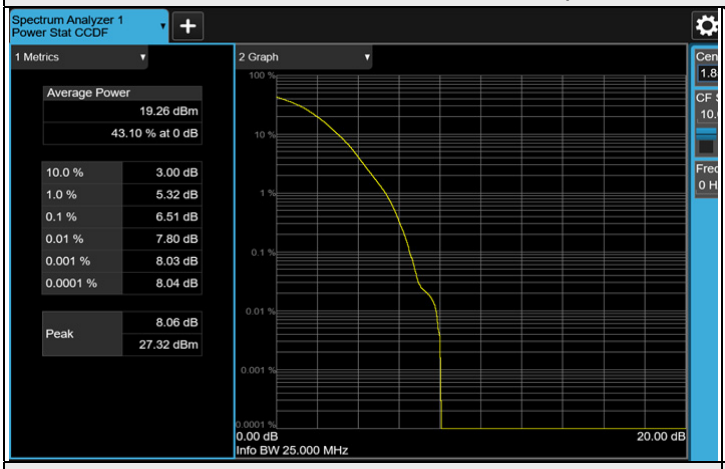
LTE Band 2, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18650	1855	3.96	13	PASS
QPSK	18900	1880	3.95	13	PASS
QPSK	19150	1905	3.84	13	PASS
16QAM	18650	1855	4.94	13	PASS
16QAM	18900	1880	4.89	13	PASS
16QAM	19150	1905	4.84	13	PASS
64QAM	18650	1855	5.64	13	PASS
64QAM	18900	1880	5.64	13	PASS
64QAM	19150	1905	5.46	13	PASS
256QAM	18650	1855	6.70	13	PASS
256QAM	18900	1880	6.53	13	PASS
256QAM	19150	1905	6.47	13	PASS

Spectrum Plot of Worst Value	
	
256QAM CH 18650 (1855 MHz)	

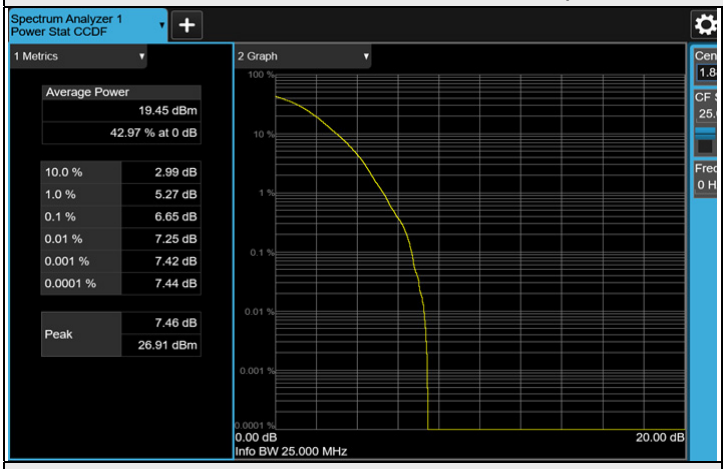
LTE Band 2, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18675	1857.5	3.98	13	PASS
QPSK	18900	1880	4.03	13	PASS
QPSK	19125	1902.5	4.13	13	PASS
16QAM	18675	1857.5	4.95	13	PASS
16QAM	18900	1880	5.05	13	PASS
16QAM	19125	1902.5	5.15	13	PASS
64QAM	18675	1857.5	5.80	13	PASS
64QAM	18900	1880	5.75	13	PASS
64QAM	19125	1902.5	5.68	13	PASS
256QAM	18675	1857.5	6.51	13	PASS
256QAM	18900	1880	6.51	13	PASS
256QAM	19125	1902.5	6.44	13	PASS

Spectrum Plot of Worst Value	
	
256QAM CH 18675 (1857.5 MHz)	

LTE Band 2, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18700	1860	4.02	13	PASS
QPSK	18900	1880	3.90	13	PASS
QPSK	19100	1900	4.20	13	PASS
16QAM	18700	1860	4.97	13	PASS
16QAM	18900	1880	4.97	13	PASS
16QAM	19100	1900	5.21	13	PASS
64QAM	18700	1860	5.78	13	PASS
64QAM	18900	1880	5.70	13	PASS
64QAM	19100	1900	5.73	13	PASS
256QAM	18700	1860	6.56	13	PASS
256QAM	18900	1880	6.65	13	PASS
256QAM	19100	1900	6.65	13	PASS

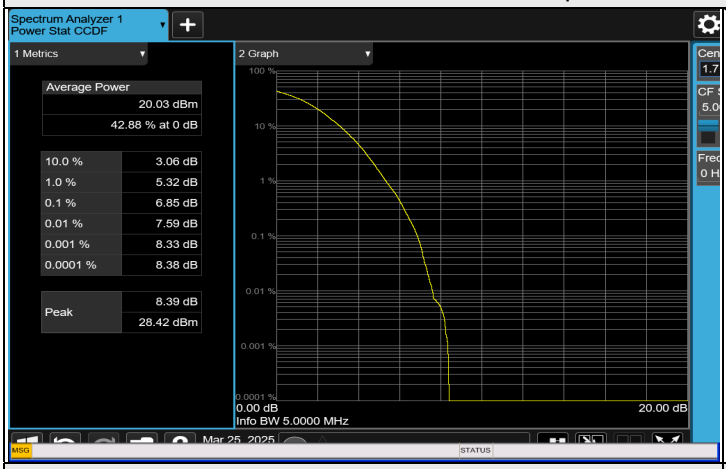
Spectrum Plot of Worst Value	
	
256QAM CH 18900 (1880 MHz)	

7.3.5 LTE Band 4

LTE Band 4, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	19957	1710.7	4.28	13	PASS
QPSK	20175	1732.5	4.27	13	PASS
QPSK	20393	1754.3	3.99	13	PASS
16QAM	19957	1710.7	5.21	13	PASS
16QAM	20175	1732.5	5.30	13	PASS
16QAM	20393	1754.3	5.04	13	PASS
64QAM	19957	1710.7	5.78	13	PASS
64QAM	20175	1732.5	5.88	13	PASS
64QAM	20393	1754.3	5.73	13	PASS
256QAM	19957	1710.7	6.85	13	PASS
256QAM	20175	1732.5	6.68	13	PASS
256QAM	20393	1754.3	6.61	13	PASS

Spectrum Plot of Worst Value

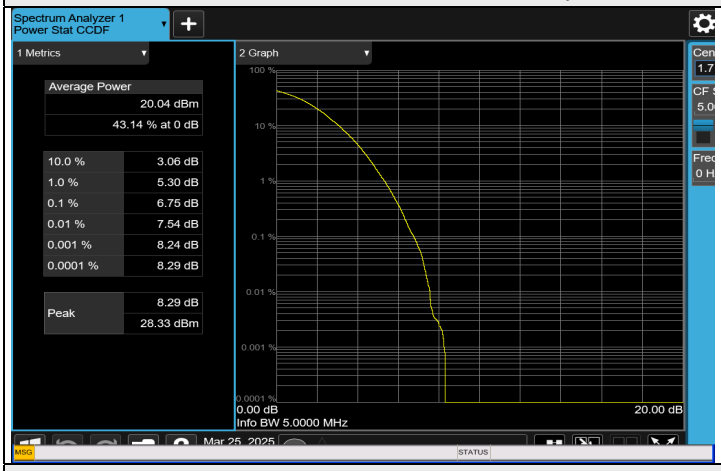


256QAM CH 19957 (1710.7 MHz)

LTE Band 4, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	19965	1711.5	4.09	13	PASS
QPSK	20175	1732.5	4.23	13	PASS
QPSK	20385	1753.5	3.98	13	PASS
16QAM	19965	1711.5	5.17	13	PASS
16QAM	20175	1732.5	5.28	13	PASS
16QAM	20385	1753.5	5.02	13	PASS
64QAM	19965	1711.5	5.90	13	PASS
64QAM	20175	1732.5	5.89	13	PASS
64QAM	20385	1753.5	5.71	13	PASS
256QAM	19965	1711.5	6.75	13	PASS
256QAM	20175	1732.5	6.69	13	PASS
256QAM	20385	1753.5	6.68	13	PASS

Spectrum Plot of Worst Value

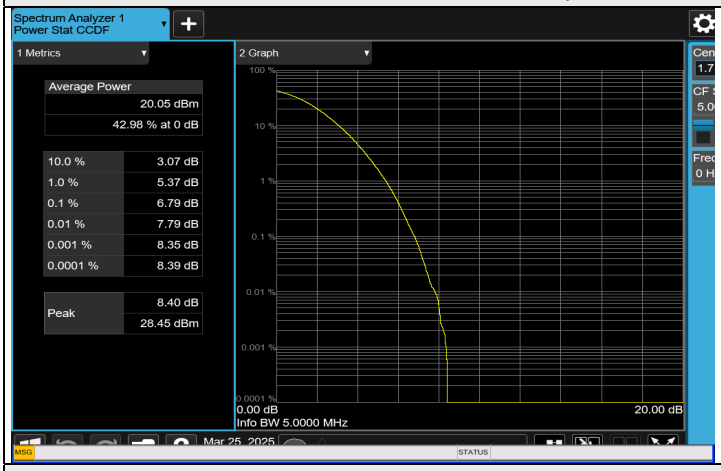


256QAM CH 19965 (1711.5 MHz)

LTE Band 4, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	19975	1712.5	4.11	13	PASS
QPSK	20175	1732.5	4.30	13	PASS
QPSK	20375	1752.5	3.90	13	PASS
16QAM	19975	1712.5	5.15	13	PASS
16QAM	20175	1732.5	5.29	13	PASS
16QAM	20375	1752.5	4.95	13	PASS
64QAM	19975	1712.5	5.92	13	PASS
64QAM	20175	1732.5	5.93	13	PASS
64QAM	20375	1752.5	5.61	13	PASS
256QAM	19975	1712.5	6.79	13	PASS
256QAM	20175	1732.5	6.57	13	PASS
256QAM	20375	1752.5	6.49	13	PASS

Spectrum Plot of Worst Value

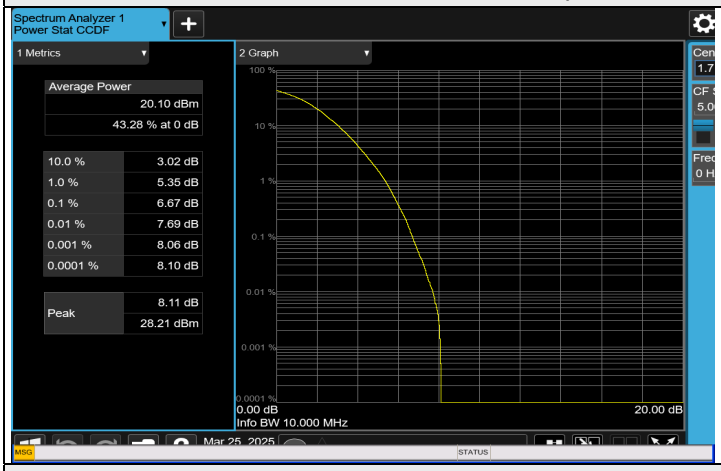


256QAM CH 19975 (1712.5 MHz)

LTE Band 4, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20000	1715	3.98	13	PASS
QPSK	20175	1732.5	4.26	13	PASS
QPSK	20350	1750	3.91	13	PASS
16QAM	20000	1715	4.89	13	PASS
16QAM	20175	1732.5	5.19	13	PASS
16QAM	20350	1750	4.96	13	PASS
64QAM	20000	1715	5.78	13	PASS
64QAM	20175	1732.5	5.78	13	PASS
64QAM	20350	1750	5.64	13	PASS
256QAM	20000	1715	6.67	13	PASS
256QAM	20175	1732.5	6.67	13	PASS
256QAM	20350	1750	6.56	13	PASS

Spectrum Plot of Worst Value

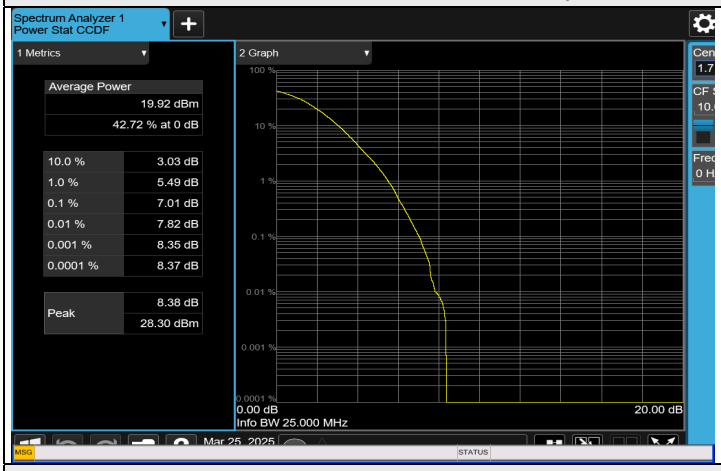


256QAM CH 20000 (1715 MHz)

LTE Band 4, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20025	1717.5	4.19	13	PASS
QPSK	20175	1732.5	4.33	13	PASS
QPSK	20325	1747.5	4.19	13	PASS
16QAM	20025	1717.5	5.12	13	PASS
16QAM	20175	1732.5	5.43	13	PASS
16QAM	20325	1747.5	5.25	13	PASS
64QAM	20025	1717.5	5.89	13	PASS
64QAM	20175	1732.5	6.01	13	PASS
64QAM	20325	1747.5	5.94	13	PASS
256QAM	20025	1717.5	7.01	13	PASS
256QAM	20175	1732.5	6.57	13	PASS
256QAM	20325	1747.5	6.31	13	PASS

Spectrum Plot of Worst Value

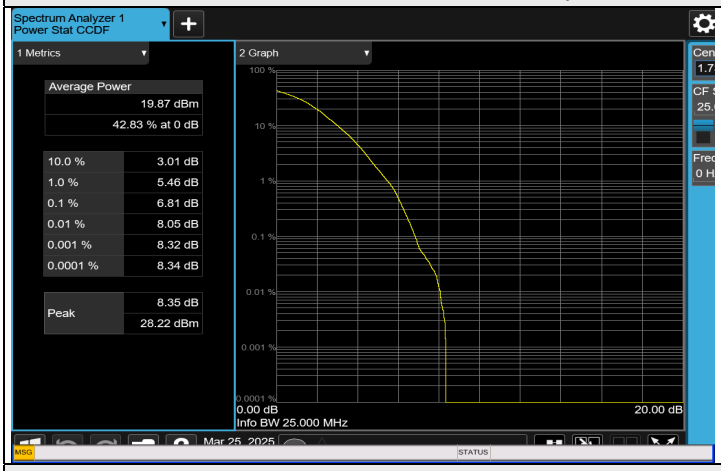


256QAM CH 20025 (1717.5 MHz)

LTE Band 4, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20050	1720	4.16	13	PASS
QPSK	20175	1732.5	4.28	13	PASS
QPSK	20300	1745	4.23	13	PASS
16QAM	20050	1720	5.24	13	PASS
16QAM	20175	1732.5	5.26	13	PASS
16QAM	20300	1745	5.30	13	PASS
64QAM	20050	1720	5.73	13	PASS
64QAM	20175	1732.5	5.93	13	PASS
64QAM	20300	1745	5.85	13	PASS
256QAM	20050	1720	6.48	13	PASS
256QAM	20175	1732.5	6.81	13	PASS
256QAM	20300	1745	6.73	13	PASS

Spectrum Plot of Worst Value

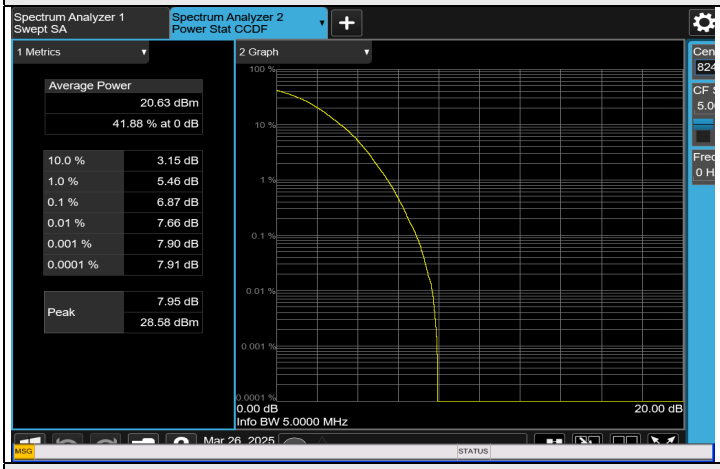


256QAM CH 20175 (1732.5 MHz)

7.3.6 LTE Band 5

LTE Band 5, Channel Bandwidth: 1.4 MHz

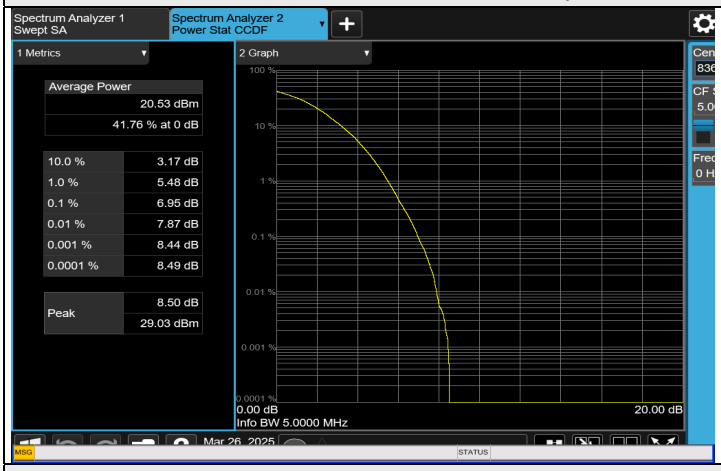
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20407	824.7	4.44	13	PASS
QPSK	20525	836.5	4.40	13	PASS
QPSK	20643	848.3	4.00	13	PASS
16QAM	20407	824.7	5.33	13	PASS
16QAM	20525	836.5	5.44	13	PASS
16QAM	20643	848.3	5.02	13	PASS
64QAM	20407	824.7	5.46	13	PASS
64QAM	20525	836.5	5.51	13	PASS
64QAM	20643	848.3	5.11	13	PASS
256QAM	20407	824.7	6.87	13	PASS
256QAM	20525	836.5	6.81	13	PASS
256QAM	20643	848.3	6.59	13	PASS

Spectrum Plot of Worst Value	
	
256QAM CH 20407 (824.7 MHz)	

LTE Band 5, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20415	825.5	4.27	13	PASS
QPSK	20525	836.5	4.29	13	PASS
QPSK	20635	847.5	4.26	13	PASS
16QAM	20415	825.5	5.33	13	PASS
16QAM	20525	836.5	5.29	13	PASS
16QAM	20635	847.5	5.24	13	PASS
64QAM	20415	825.5	5.93	13	PASS
64QAM	20525	836.5	5.96	13	PASS
64QAM	20635	847.5	5.89	13	PASS
256QAM	20415	825.5	6.89	13	PASS
256QAM	20525	836.5	6.95	13	PASS
256QAM	20635	847.5	6.68	13	PASS

Spectrum Plot of Worst Value

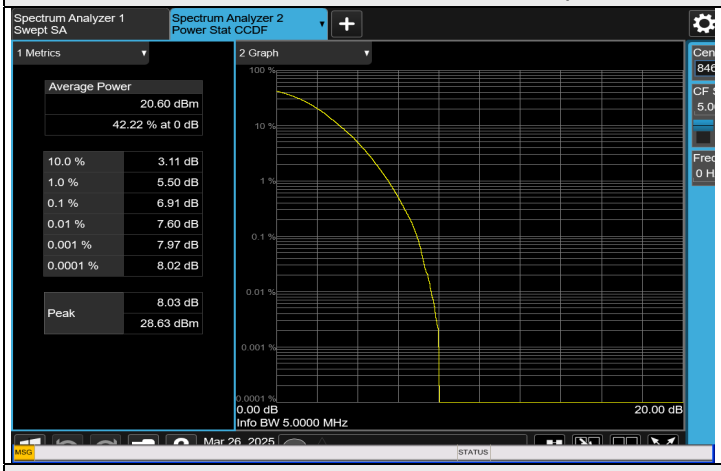


256QAM CH 20525 (836.5 MHz)

LTE Band 5, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20425	826.5	4.34	13	PASS
QPSK	20525	836.5	4.25	13	PASS
QPSK	20625	846.5	4.41	13	PASS
16QAM	20425	826.5	5.33	13	PASS
16QAM	20525	836.5	5.18	13	PASS
16QAM	20625	846.5	5.37	13	PASS
64QAM	20425	826.5	5.91	13	PASS
64QAM	20525	836.5	5.98	13	PASS
64QAM	20625	846.5	5.96	13	PASS
256QAM	20425	826.5	6.83	13	PASS
256QAM	20525	836.5	6.83	13	PASS
256QAM	20625	846.5	6.91	13	PASS

Spectrum Plot of Worst Value

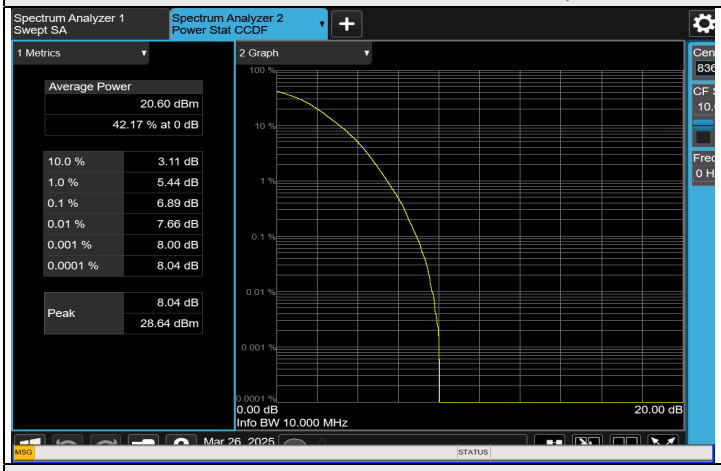


256QAM CH 20625 (846.5 MHz)

LTE Band 5, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	20450	829	4.28	13	PASS
QPSK	20525	836.5	4.08	13	PASS
QPSK	20600	844	4.54	13	PASS
16QAM	20450	829	5.33	13	PASS
16QAM	20525	836.5	5.09	13	PASS
16QAM	20600	844	5.59	13	PASS
64QAM	20450	829	5.85	13	PASS
64QAM	20525	836.5	5.93	13	PASS
64QAM	20600	844	6.05	13	PASS
256QAM	20450	829	6.84	13	PASS
256QAM	20525	836.5	6.89	13	PASS
256QAM	20600	844	6.75	13	PASS

Spectrum Plot of Worst Value

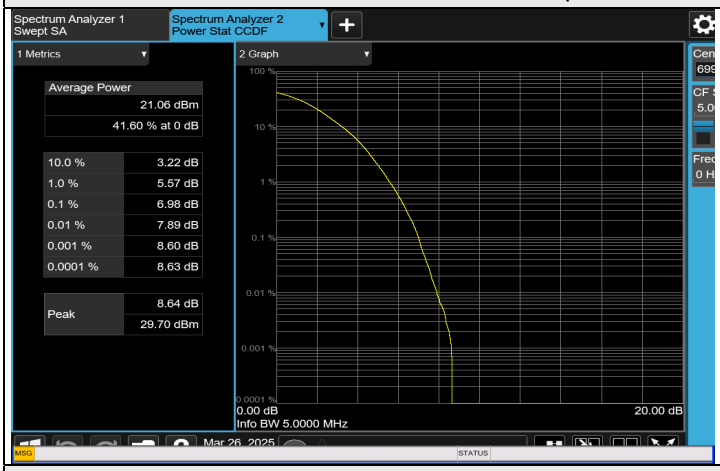


256QAM CH 20525 (836.5 MHz)

7.3.7 LTE Band 12

LTE Band 12, Channel Bandwidth: 1.4 MHz

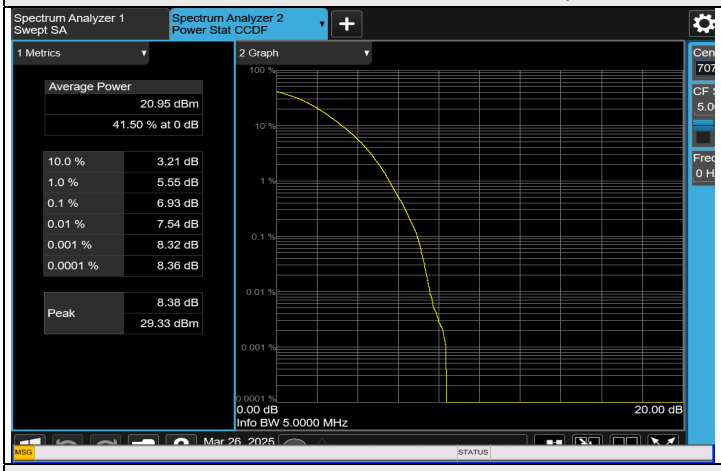
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23017	699.7	4.23	13	PASS
QPSK	23095	707.5	4.20	13	PASS
QPSK	23173	715.3	3.59	13	PASS
16QAM	23017	699.7	5.12	13	PASS
16QAM	23095	707.5	5.21	13	PASS
16QAM	23173	715.3	4.59	13	PASS
64QAM	23017	699.7	5.25	13	PASS
64QAM	23095	707.5	5.30	13	PASS
64QAM	23173	715.3	4.73	13	PASS
256QAM	23017	699.7	6.98	13	PASS
256QAM	23095	707.5	6.87	13	PASS
256QAM	23173	715.3	6.93	13	PASS

Spectrum Plot of Worst Value	
	
256QAM CH 23017 (699.7 MHz)	

LTE Band 12, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23025	700.5	4.13	13	PASS
QPSK	23095	707.5	4.11	13	PASS
QPSK	23165	714.5	3.75	13	PASS
16QAM	23025	700.5	5.17	13	PASS
16QAM	23095	707.5	5.14	13	PASS
16QAM	23165	714.5	4.82	13	PASS
64QAM	23025	700.5	5.81	13	PASS
64QAM	23095	707.5	5.82	13	PASS
64QAM	23165	714.5	5.58	13	PASS
256QAM	23025	700.5	6.71	13	PASS
256QAM	23095	707.5	6.93	13	PASS
256QAM	23165	714.5	6.73	13	PASS

Spectrum Plot of Worst Value

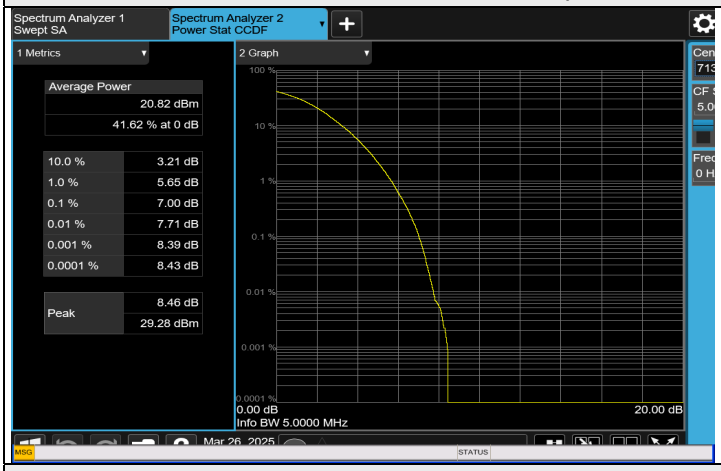


256QAM CH 23095 (707.5 MHz)

LTE Band 12, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23035	701.5	4.16	13	PASS
QPSK	23095	707.5	4.00	13	PASS
QPSK	23155	713.5	3.98	13	PASS
16QAM	23035	701.5	5.18	13	PASS
16QAM	23095	707.5	5.10	13	PASS
16QAM	23155	713.5	4.96	13	PASS
64QAM	23035	701.5	5.84	13	PASS
64QAM	23095	707.5	5.75	13	PASS
64QAM	23155	713.5	5.66	13	PASS
256QAM	23035	701.5	6.83	13	PASS
256QAM	23095	707.5	6.98	13	PASS
256QAM	23155	713.5	7.00	13	PASS

Spectrum Plot of Worst Value

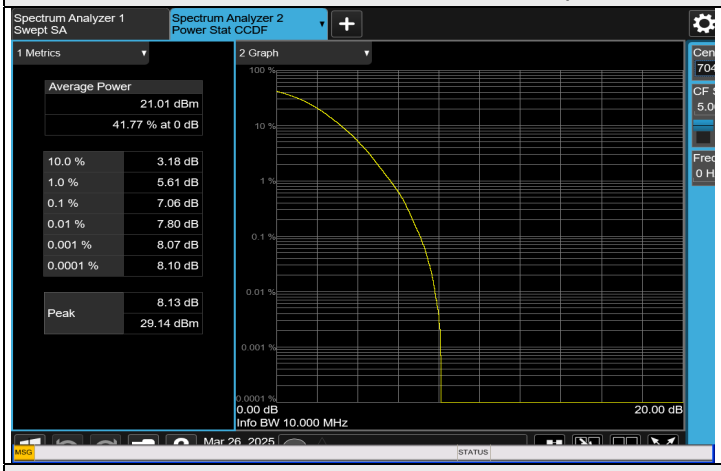


256QAM CH 23155 (713.5 MHz)

LTE Band 12, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23060	704	4.23	13	PASS
QPSK	23095	707.5	4.14	13	PASS
QPSK	23130	711	4.17	13	PASS
16QAM	23060	704	5.27	13	PASS
16QAM	23095	707.5	5.21	13	PASS
16QAM	23130	711	5.20	13	PASS
64QAM	23060	704	5.84	13	PASS
64QAM	23095	707.5	5.76	13	PASS
64QAM	23130	711	5.84	13	PASS
256QAM	23060	704	7.06	13	PASS
256QAM	23095	707.5	6.89	13	PASS
256QAM	23130	711	6.92	13	PASS

Spectrum Plot of Worst Value

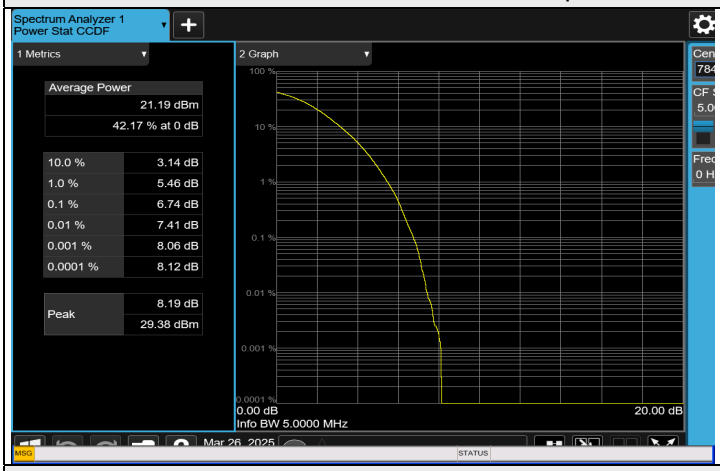


256QAM CH 23060 (704 MHz)

7.3.8 LTE Band 13

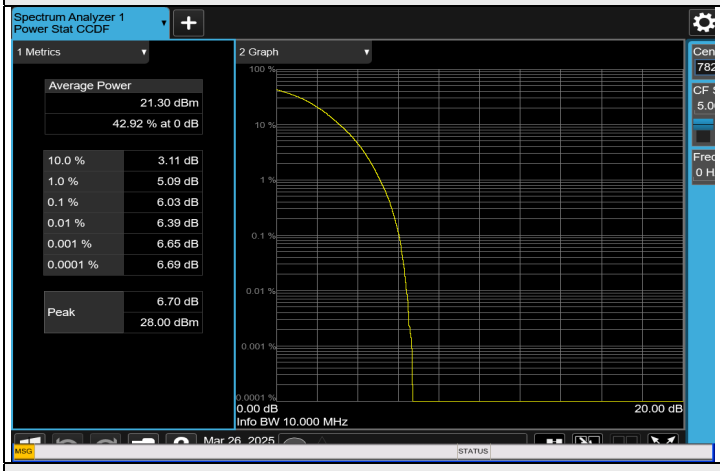
LTE Band 13, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23205	779.5	2.69	13	PASS
QPSK	23230	782	3.37	13	PASS
QPSK	23255	784.5	4.09	13	PASS
16QAM	23205	779.5	3.66	13	PASS
16QAM	23230	782	4.35	13	PASS
16QAM	23255	784.5	5.05	13	PASS
64QAM	23205	779.5	3.70	13	PASS
64QAM	23230	782	4.37	13	PASS
64QAM	23255	784.5	5.10	13	PASS
256QAM	23205	779.5	5.84	13	PASS
256QAM	23230	782	6.64	13	PASS
256QAM	23255	784.5	6.74	13	PASS

Spectrum Plot of Worst Value	
	
256QAM CH 23255 (784.5 MHz)	

LTE Band 13, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23230	782	2.64	13	PASS
16QAM	23230	782	3.63	13	PASS
64QAM	23230	782	4.44	13	PASS
256QAM	23230	782	6.03	13	PASS

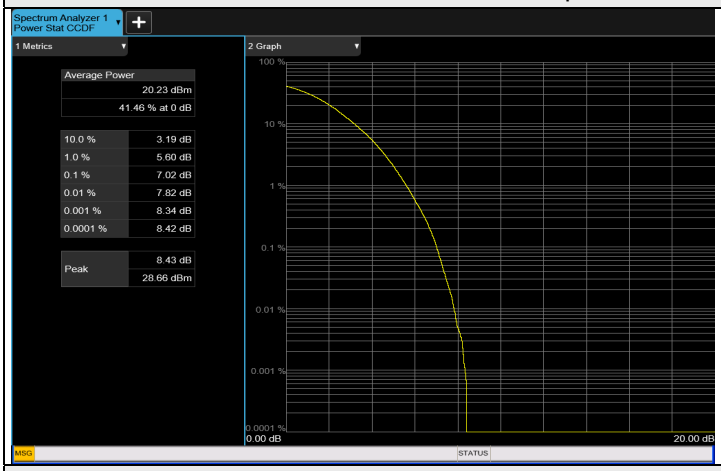
Spectrum Plot of Worst Value	
	
256QAM CH 23230 (782 MHz)	

7.3.9 LTE Band 17

LTE Band 17, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23755	706.5	4.37	13	PASS
QPSK	23790	710	4.32	13	PASS
QPSK	23825	713.5	4.17	13	PASS
16QAM	23755	706.5	5.27	13	PASS
16QAM	23790	710	5.34	13	PASS
16QAM	23825	713.5	5.15	13	PASS
64QAM	23755	706.5	5.36	13	PASS
64QAM	23790	710	6.00	13	PASS
64QAM	23825	713.5	5.87	13	PASS
256QAM	23755	706.5	7.02	13	PASS
256QAM	23790	710	6.99	13	PASS
256QAM	23825	713.5	6.98	13	PASS

Spectrum Plot of Worst Value

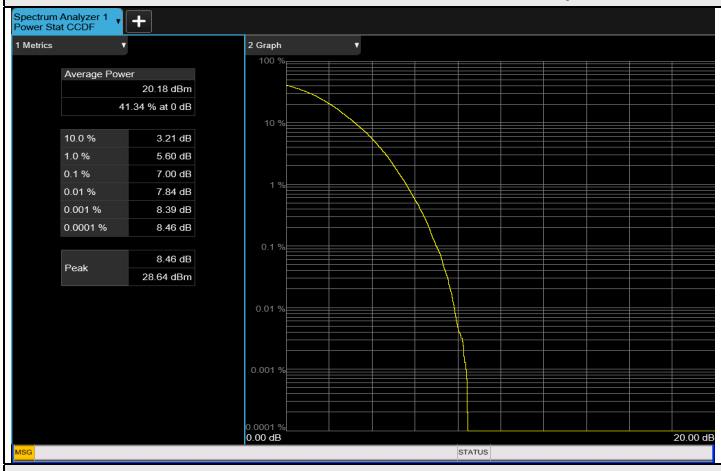


256QAM CH 23755 (706.5 MHz)

LTE Band 17, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	23780	709	4.22	13	PASS
QPSK	23790	710	4.15	13	PASS
QPSK	23800	711	4.22	13	PASS
16QAM	23780	709	5.23	13	PASS
16QAM	23790	710	5.19	13	PASS
16QAM	23800	711	5.29	13	PASS
64QAM	23780	709	5.97	13	PASS
64QAM	23790	710	5.94	13	PASS
64QAM	23800	711	6.04	13	PASS
256QAM	23780	709	7.00	13	PASS
256QAM	23790	710	6.84	13	PASS
256QAM	23800	711	6.96	13	PASS

Spectrum Plot of Worst Value



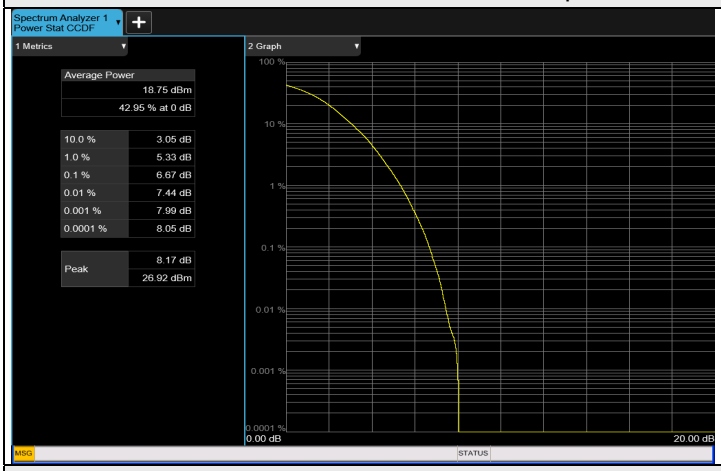
256QAM CH 23780 (709 MHz)

7.3.10LTE Band 25

LTE Band 25, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26047	1850.7	4.46	13	PASS
QPSK	26365	1882.5	4.35	13	PASS
QPSK	26683	1914.3	3.79	13	PASS
16QAM	26047	1850.7	5.25	13	PASS
16QAM	26365	1882.5	5.39	13	PASS
16QAM	26683	1914.3	4.80	13	PASS
64QAM	26047	1850.7	5.31	13	PASS
64QAM	26365	1882.5	5.45	13	PASS
64QAM	26683	1914.3	4.89	13	PASS
256QAM	26047	1850.7	6.60	13	PASS
256QAM	26365	1882.5	6.67	13	PASS
256QAM	26683	1914.3	6.46	13	PASS

Spectrum Plot of Worst Value

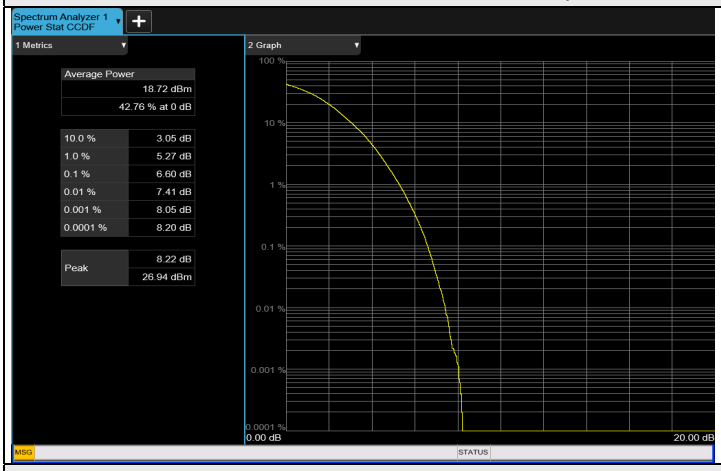


256QAM CH 26365 (1882.5 MHz)

LTE Band 25, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26055	1851.5	4.25	13	PASS
QPSK	26365	1882.5	4.38	13	PASS
QPSK	26675	1913.5	3.96	13	PASS
16QAM	26055	1851.5	5.33	13	PASS
16QAM	26365	1882.5	5.42	13	PASS
16QAM	26675	1913.5	5.03	13	PASS
64QAM	26055	1851.5	5.92	13	PASS
64QAM	26365	1882.5	5.95	13	PASS
64QAM	26675	1913.5	5.70	13	PASS
256QAM	26055	1851.5	6.58	13	PASS
256QAM	26365	1882.5	6.60	13	PASS
256QAM	26675	1913.5	6.55	13	PASS

Spectrum Plot of Worst Value

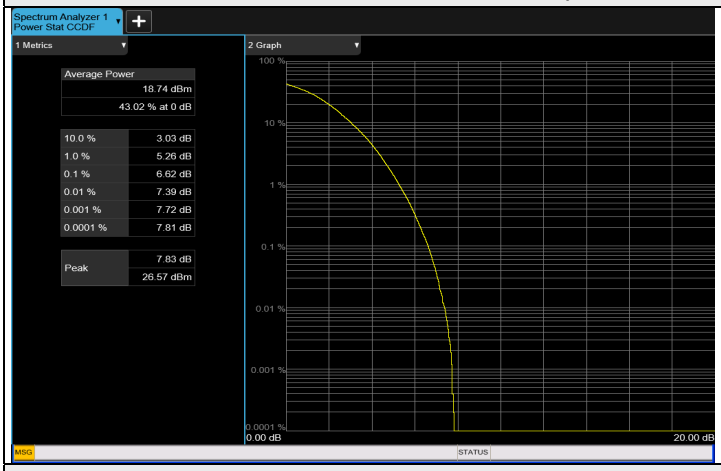


256QAM CH 26365 (1882.5 MHz)

LTE Band 25, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26065	1852.5	4.27	13	PASS
QPSK	26365	1882.5	4.35	13	PASS
QPSK	26665	1912.5	4.14	13	PASS
16QAM	26065	1852.5	5.32	13	PASS
16QAM	26365	1882.5	5.39	13	PASS
16QAM	26665	1912.5	5.10	13	PASS
64QAM	26065	1852.5	5.95	13	PASS
64QAM	26365	1882.5	5.99	13	PASS
64QAM	26665	1912.5	5.73	13	PASS
256QAM	26065	1852.5	6.61	13	PASS
256QAM	26365	1882.5	6.62	13	PASS
256QAM	26665	1912.5	6.60	13	PASS

Spectrum Plot of Worst Value

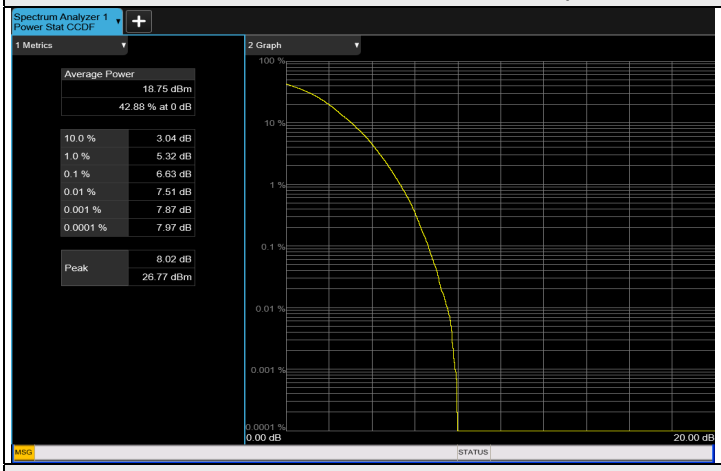


256QAM CH 26365 (1882.5 MHz)

LTE Band 25, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26090	1855	4.17	13	PASS
QPSK	26365	1882.5	4.15	13	PASS
QPSK	26640	1910	4.14	13	PASS
16QAM	26090	1855	5.13	13	PASS
16QAM	26365	1882.5	5.15	13	PASS
16QAM	26640	1910	5.19	13	PASS
64QAM	26090	1855	5.85	13	PASS
64QAM	26365	1882.5	5.80	13	PASS
64QAM	26640	1910	5.75	13	PASS
256QAM	26090	1855	6.61	13	PASS
256QAM	26365	1882.5	6.63	13	PASS
256QAM	26640	1910	6.61	13	PASS

Spectrum Plot of Worst Value

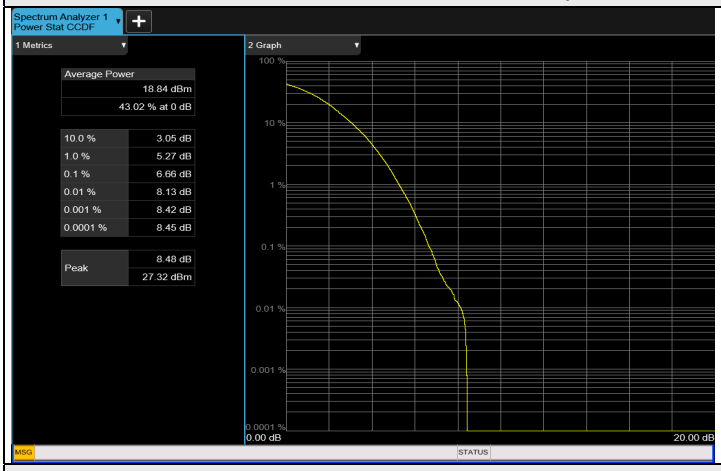


256QAM CH 26365 (1882.5 MHz)

LTE Band 25, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26115	1857.5	4.38	13	PASS
QPSK	26365	1882.5	4.20	13	PASS
QPSK	26615	1907.5	4.17	13	PASS
16QAM	26115	1857.5	5.36	13	PASS
16QAM	26365	1882.5	5.29	13	PASS
16QAM	26615	1907.5	5.26	13	PASS
64QAM	26115	1857.5	6.02	13	PASS
64QAM	26365	1882.5	5.71	13	PASS
64QAM	26615	1907.5	5.54	13	PASS
256QAM	26115	1857.5	6.66	13	PASS
256QAM	26365	1882.5	6.61	13	PASS
256QAM	26615	1907.5	6.51	13	PASS

Spectrum Plot of Worst Value

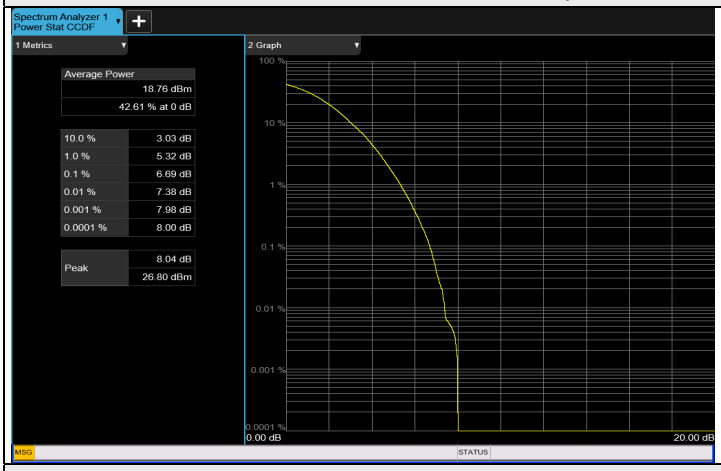


256QAM CH 26115 (1857.5 MHz)

LTE Band 25, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26140	1860	4.26	13	PASS
QPSK	26365	1882.5	3.98	13	PASS
QPSK	26590	1905	4.02	13	PASS
16QAM	26140	1860	5.27	13	PASS
16QAM	26365	1882.5	5.03	13	PASS
16QAM	26590	1905	5.13	13	PASS
64QAM	26140	1860	5.87	13	PASS
64QAM	26365	1882.5	5.75	13	PASS
64QAM	26590	1905	5.79	13	PASS
256QAM	26140	1860	6.62	13	PASS
256QAM	26365	1882.5	6.69	13	PASS
256QAM	26590	1905	6.59	13	PASS

Spectrum Plot of Worst Value



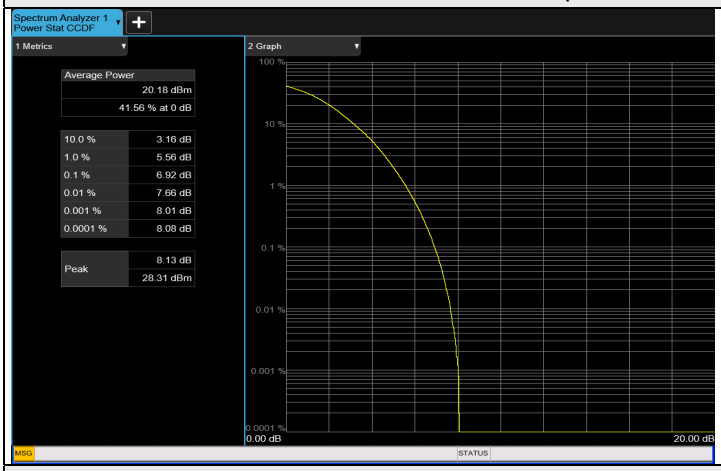
256QAM CH 26365 (1882.5 MHz)

7.3.11LTE 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	4.37	13	PASS
QPSK	26915	836.5	4.46	13	PASS
QPSK	27033	848.3	4.10	13	PASS
16QAM	26797	824.7	5.26	13	PASS
16QAM	26915	836.5	5.49	13	PASS
16QAM	27033	848.3	5.10	13	PASS
64QAM	26797	824.7	5.29	13	PASS
64QAM	26915	836.5	5.54	13	PASS
64QAM	27033	848.3	5.19	13	PASS
256QAM	26797	824.7	6.92	13	PASS
256QAM	26915	836.5	6.86	13	PASS
256QAM	27033	848.3	6.70	13	PASS

Spectrum Plot of Worst Value

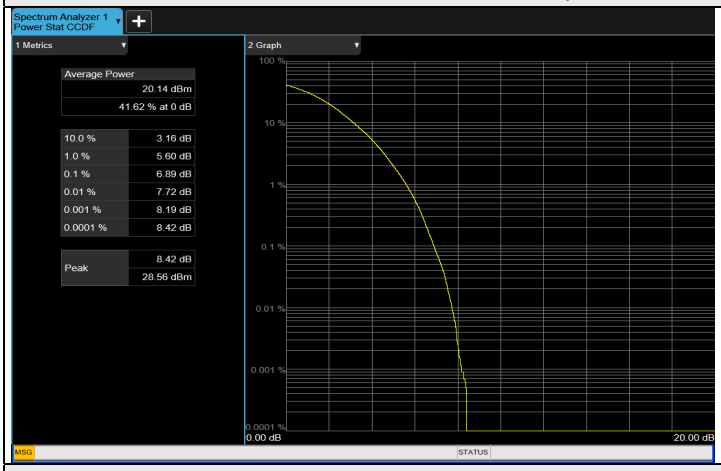


256QAM CH 26797 (824.7 MHz)

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	4.25	13	PASS
QPSK	26915	836.5	4.34	13	PASS
QPSK	27025	847.5	4.22	13	PASS
16QAM	26805	825.5	5.29	13	PASS
16QAM	26915	836.5	5.42	13	PASS
16QAM	27025	847.5	5.29	13	PASS
64QAM	26805	825.5	5.85	13	PASS
64QAM	26915	836.5	6.09	13	PASS
64QAM	27025	847.5	5.86	13	PASS
256QAM	26805	825.5	6.89	13	PASS
256QAM	26915	836.5	6.89	13	PASS
256QAM	27025	847.5	6.80	13	PASS

Spectrum Plot of Worst Value

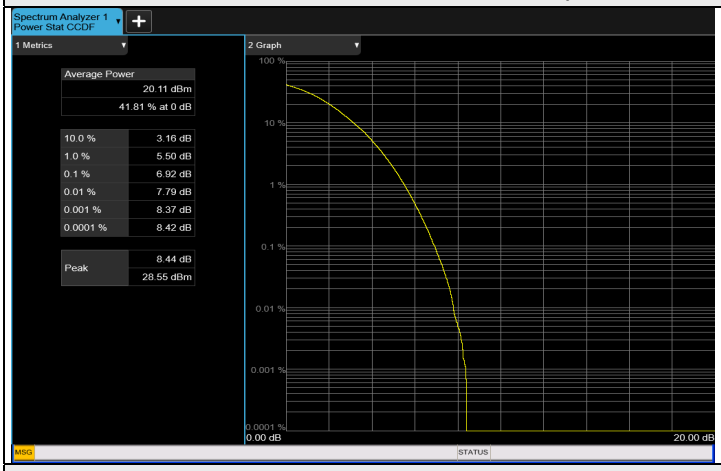


256QAM CH 26805 (825.5 MHz)

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	4.24	13	PASS
QPSK	26915	836.5	4.25	13	PASS
QPSK	27015	846.5	4.34	13	PASS
16QAM	26815	826.5	5.28	13	PASS
16QAM	26915	836.5	5.22	13	PASS
16QAM	27015	846.5	5.39	13	PASS
64QAM	26815	826.5	5.85	13	PASS
64QAM	26915	836.5	5.97	13	PASS
64QAM	27015	846.5	5.99	13	PASS
256QAM	26815	826.5	6.91	13	PASS
256QAM	26915	836.5	6.92	13	PASS
256QAM	27015	846.5	6.83	13	PASS

Spectrum Plot of Worst Value

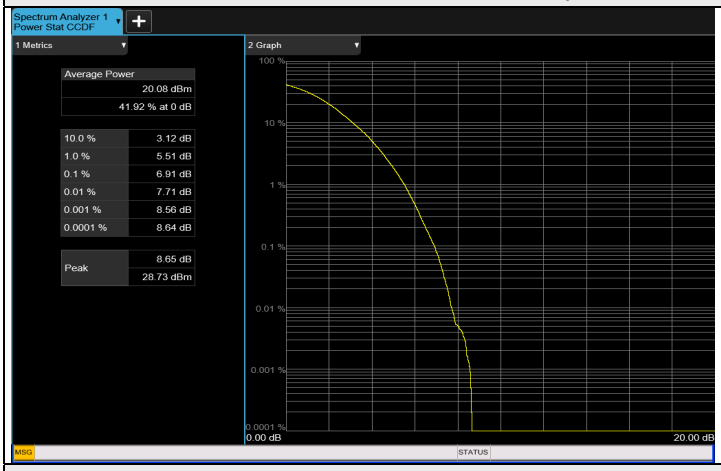


256QAM CH 26915 (836.5 MHz)

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

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	26840	829	4.17	13	PASS
QPSK	26915	836.5	4.06	13	PASS
QPSK	26990	844	4.59	13	PASS
16QAM	26840	829	5.22	13	PASS
16QAM	26915	836.5	5.12	13	PASS
16QAM	26990	844	5.61	13	PASS
64QAM	26840	829	5.91	13	PASS
64QAM	26915	836.5	5.79	13	PASS
64QAM	26990	844	6.18	13	PASS
256QAM	26840	829	6.70	13	PASS
256QAM	26915	836.5	6.76	13	PASS
256QAM	26990	844	6.91	13	PASS

Spectrum Plot of Worst Value

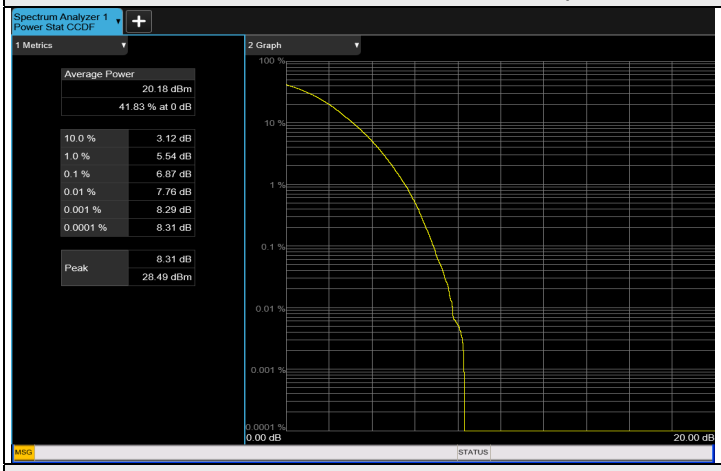


256QAM CH 26990 (844 MHz)

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	4.26	13	PASS
QPSK	26915	836.5	4.03	13	PASS
QPSK	26965	841.5	4.43	13	PASS
16QAM	26865	831.5	5.26	13	PASS
16QAM	26915	836.5	5.04	13	PASS
16QAM	26965	841.5	5.50	13	PASS
64QAM	26865	831.5	5.81	13	PASS
64QAM	26915	836.5	5.78	13	PASS
64QAM	26965	841.5	6.02	13	PASS
256QAM	26865	831.5	6.87	13	PASS
256QAM	26915	836.5	6.70	13	PASS
256QAM	26965	841.5	6.69	13	PASS

Spectrum Plot of Worst Value

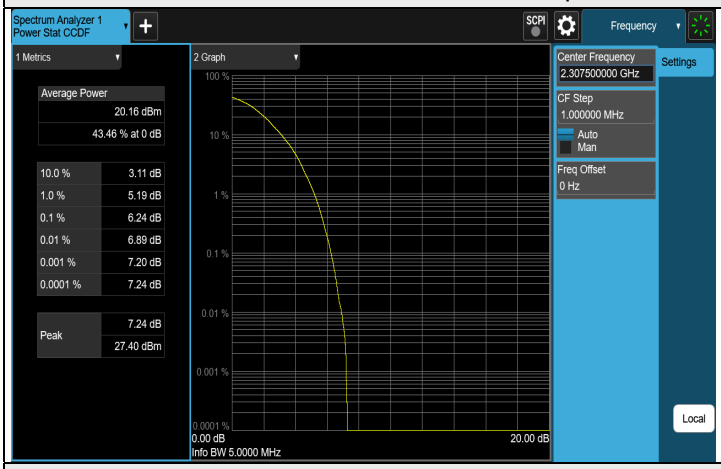


256QAM CH 26865 (831.5 MHz)

7.3.12LTE Band 30

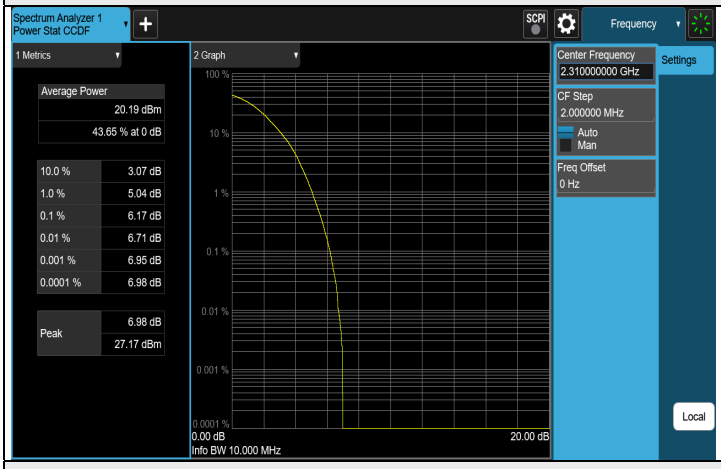
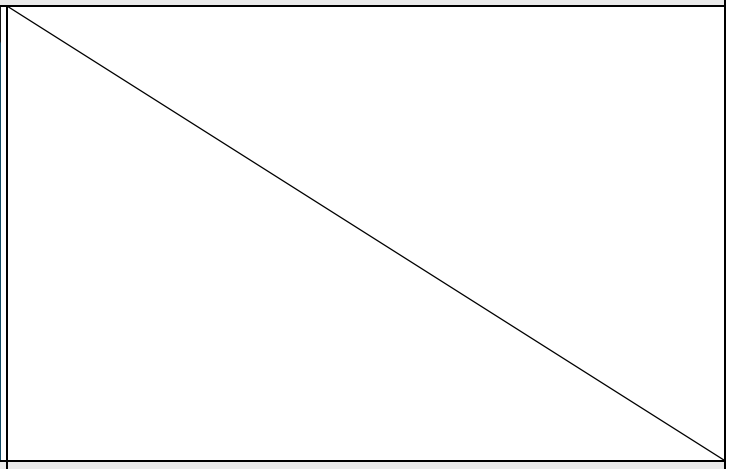
LTE Band 30, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	27685	2307.5	2.50	13	PASS
QPSK	27710	2310	2.79	13	PASS
QPSK	27735	2312.5	2.96	13	PASS
16QAM	27685	2307.5	4.83	13	PASS
16QAM	27710	2310	2.98	13	PASS
16QAM	27735	2312.5	2.96	13	PASS
64QAM	27685	2307.5	3.45	13	PASS
64QAM	27710	2310	3.14	13	PASS
64QAM	27735	2312.5	3.16	13	PASS
256QAM	27685	2307.5	6.24	13	PASS
256QAM	27710	2310	6.16	13	PASS
256QAM	27735	2312.5	6.15	13	PASS

Spectrum Plot of Worst Value	
	
16QAM CH 27710 (2310 MHz)	

LTE Band 30, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	27710	2310	3.28	13	PASS
16QAM	27710	2310	3.89	13	PASS
64QAM	27710	2310	4.42	13	PASS
256QAM	27710	2310	6.17	13	PASS

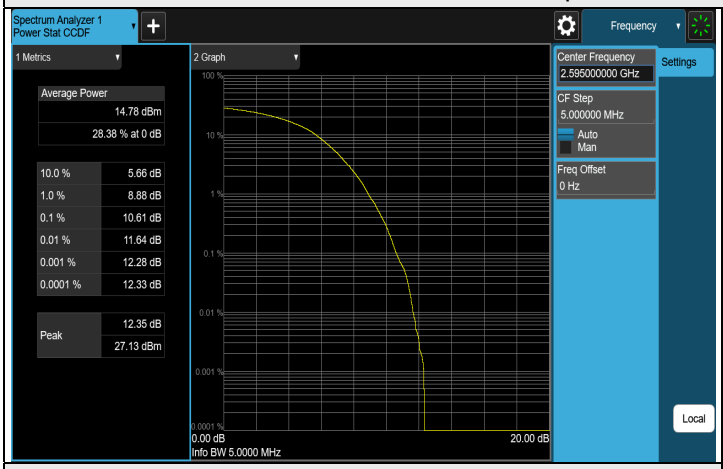
Spectrum Plot of Worst Value	
	
256QAM CH 27710 (2310 MHz)	

7.3.13LTE Band 38

LTE Band 38, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	37775	2572.5	8.45	13	PASS
QPSK	38000	2595	8.42	13	PASS
QPSK	38225	2617.5	8.74	13	PASS
16QAM	37775	2572.5	9.43	13	PASS
16QAM	38000	2595	9.21	13	PASS
16QAM	38225	2617.5	8.53	13	PASS
64QAM	37775	2572.5	9.19	13	PASS
64QAM	38000	2595	9.80	13	PASS
64QAM	38225	2617.5	9.36	13	PASS
256QAM	37775	2572.5	10.20	13	PASS
256QAM	38000	2595	10.61	13	PASS
256QAM	38225	2617.5	10.28	13	PASS

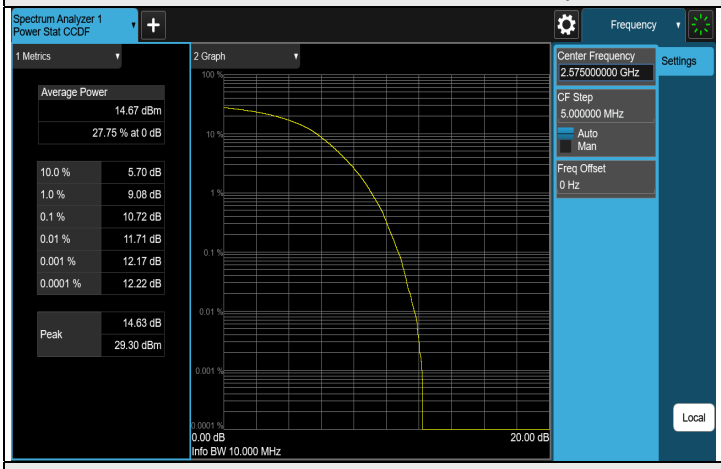
Spectrum Plot of Worst Value



256QAM CH 38000 (2595 MHz)

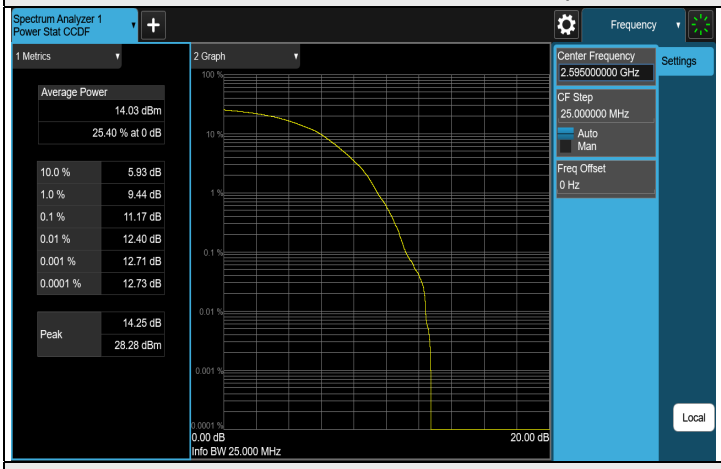
LTE Band 38, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	37800	2575	7.54	13	PASS
QPSK	38000	2595	9.39	13	PASS
QPSK	38200	2615	8.39	13	PASS
16QAM	37800	2575	8.34	13	PASS
16QAM	38000	2595	9.01	13	PASS
16QAM	38200	2615	9.27	13	PASS
64QAM	37800	2575	9.59	13	PASS
64QAM	38000	2595	9.88	13	PASS
64QAM	38200	2615	9.41	13	PASS
256QAM	37800	2575	10.72	13	PASS
256QAM	38000	2595	9.53	13	PASS
256QAM	38200	2615	10.03	13	PASS

Spectrum Plot of Worst Value	
	
256QAM CH 37800 (2575 MHz)	

LTE Band 38, Channel Bandwidth: 15 MHz

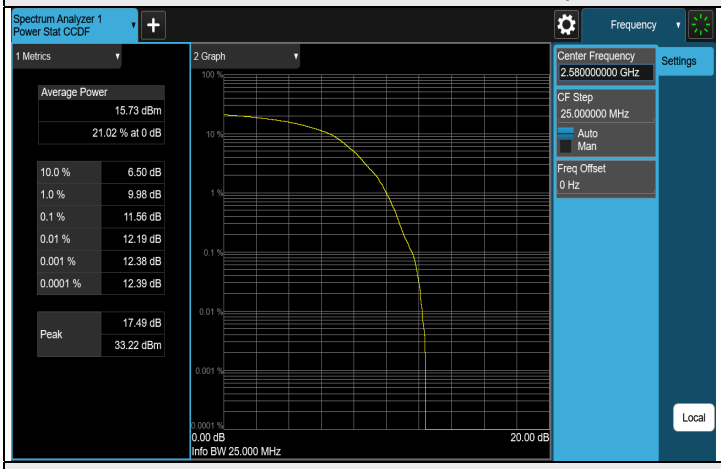
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	37825	2577.5	9.26	13	PASS
QPSK	38000	2595	10.27	13	PASS
QPSK	38175	2612.5	9.40	13	PASS
16QAM	37825	2577.5	10.00	13	PASS
16QAM	38000	2595	7.94	13	PASS
16QAM	38175	2612.5	9.97	13	PASS
64QAM	37825	2577.5	8.79	13	PASS
64QAM	38000	2595	10.19	13	PASS
64QAM	38175	2612.5	10.07	13	PASS
256QAM	37825	2577.5	10.67	13	PASS
256QAM	38000	2595	11.17	13	PASS
256QAM	38175	2612.5	11.02	13	PASS

Spectrum Plot of Worst Value	
	
256QAM CH 38000 (2595 MHz)	

LTE Band 38, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	37850	2580	9.38	13	PASS
QPSK	38000	2595	8.12	13	PASS
QPSK	38150	2610	8.56	13	PASS
16QAM	37850	2580	9.80	13	PASS
16QAM	38000	2595	8.49	13	PASS
16QAM	38150	2610	11.13	13	PASS
64QAM	37850	2580	11.56	13	PASS
64QAM	38000	2595	10.69	13	PASS
64QAM	38150	2610	9.30	13	PASS
256QAM	37850	2580	10.35	13	PASS
256QAM	38000	2595	9.66	13	PASS
256QAM	38150	2610	11.06	13	PASS

Spectrum Plot of Worst Value

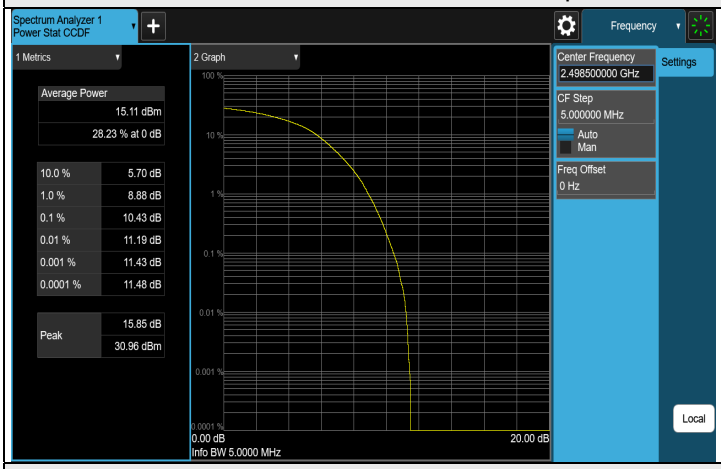
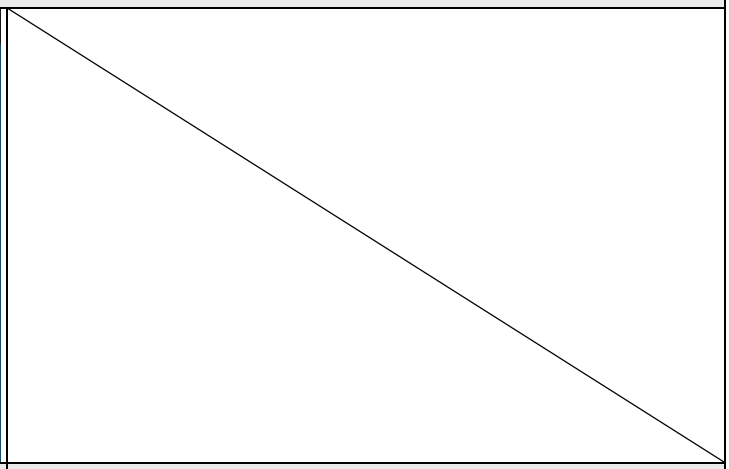


64QAM CH 37850 (2580 MHz)

7.3.14LTE Band 41

LTE Band 41, Channel Bandwidth: 5 MHz

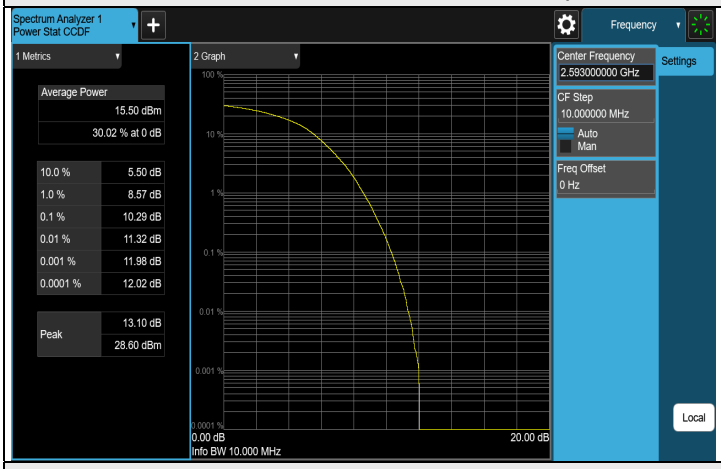
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	39675	2498.5	8.37	13	PASS
QPSK	40620	2593	8.50	13	PASS
QPSK	41565	2687.5	8.23	13	PASS
16QAM	39675	2498.5	8.68	13	PASS
16QAM	40620	2593	8.99	13	PASS
16QAM	41565	2687.5	8.71	13	PASS
64QAM	39675	2498.5	10.19	13	PASS
64QAM	40620	2593	9.05	13	PASS
64QAM	41565	2687.5	8.32	13	PASS
256QAM	39675	2498.5	10.43	13	PASS
256QAM	40620	2593	9.76	13	PASS
256QAM	41565	2687.5	9.38	13	PASS

Spectrum Plot of Worst Value	
	
256QAM CH 39675 (2498.5 MHz)	

LTE Band 41, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	39700	2501	7.92	13	PASS
QPSK	40620	2593	8.76	13	PASS
QPSK	41540	2685	8.75	13	PASS
16QAM	39700	2501	8.15	13	PASS
16QAM	40620	2593	9.33	13	PASS
16QAM	41540	2685	8.19	13	PASS
64QAM	39700	2501	8.99	13	PASS
64QAM	40620	2593	8.81	13	PASS
64QAM	41540	2685	8.20	13	PASS
256QAM	39700	2501	10.23	13	PASS
256QAM	40620	2593	10.29	13	PASS
256QAM	41540	2685	9.61	13	PASS

Spectrum Plot of Worst Value



256QAM CH 40620 (2593 MHz)