

FCC

RF Test Report

Product Type : Mobile Hot Spot
Applicant : Netgear Inc.
Address : 350 East Plumeria Drive, San Jose, CA 95134
Trade Name : NETGEAR
Model Number : AC791L
Test Specification : FCC 47 CFR PART 22H: Oct, 2014
FCC 47 CFR PART 24E: Oct, 2014
FCC 47 CFR PART 27: Oct. 2014
ANSI/TIA/EIA-603-C
Application Purpose : Original
Receive Date : Apr. 20, 2015
Test Period : Apr. 27 ~ May 14, 2015
Issue Date : Jun. 12, 2015

Issue by

A Test Lab Techno Corp.
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Taiwan Accreditation Foundation accreditation number: 1330

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Revision History

Rev.	Issue Date	Revisions	Revised By
00	Jun. 12, 2015	Initial Issue	

Verification of Compliance

Issued Date: 06/12/2015

Product Type : Mobile Hot Spot
Applicant : Netgear Inc.
Address : 350 East Plumeria Drive, San Jose, CA 95134
Trade Name : NETGEAR
Model Number : AC791L
FCC ID : PY3AC791L
EUT Rated Voltage : DC 5V, 1A
Test Voltage : 120 Vac / 60 Hz, DC 3.50V / 3.80V / 4.35V
Applicable Standard : FCC 47 CFR PART 22H: Oct, 2014
FCC 47 CFR PART 24E: Oct, 2014
FCC 47 CFR PART 27: Oct. 2014
ANSI/TIA/EIA-603-C
Test Result : Complied
Application Purpose : Original
Performing Lab. : A Test Lab Techno Corp.

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<http://www.atl-lab.com.tw/e-index.htm>



The above equipment was tested by A Test Lab Techno Corp. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI/TIA/EIA-603-C and the energy emitted by the sample tested as described in this report is in compliance with the requirements of FCC Rules Part 27L.

The test results of this report relate only to the tested sample identified in this report.

Approved By : Fly Lu Reviewed By : Eric Ou Yang
(Manager) (Fly Lu) (Testing Engineer) (Eric Ou Yang)

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1 General Information

1.1. EUT Description

Applicant		Netgear Inc.			
Applicant Address		350 East Plumeria Drive, San Jose, CA 95134			
Manufacturer		Netgear Inc.			
Manufacturer Address		350 East Plumeria Drive, San Jose, CA 95134			
Product Type		Mobile Hot Spot			
Trade Name		NETGEAR			
Model Number		AC791L			
FCC ID		PY3AC791L			
IMEI No.		359071060001045			
Mode	LTE	Band	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
		2	1850.7 ~ 1909.3	1930.7 ~ 1989.3	QPSK, 16QAM
		4	1710.7 ~ 1754.3	2110.7 ~ 2154.3	QPSK, 16QAM
		5	824.7 ~ 848.3	869.7 ~ 893.3	QPSK, 16QAM
		7	2500 ~ 2570	2620 ~ 2690	QPSK, 16QAM
		13	777 ~ 787	746 ~ 756	QPSK, 16QAM
Channel Bandwidth		LTE Band 2	1.4M, 3M, 5MHz, 10MHz, 15MHz, 20MHz		
		LTE Band 4	1.4M, 3M, 5MHz, 10MHz, 15MHz, 20MHz		
		LTE Band 5	1.4M, 3M, 5MHz, 10MHz		
		LTE Band 7	5MHz, 10MHz, 15MHz, 20MHz		
		LTE Band 13	5MHz, 10MHz		
Type of Antenna		Internal IFA type			
Antenna Gain		LTE Band 2	0.5 dBi		
		LTE Band 4	0.9 dBi		
		LTE Band 5	1.5 dBi		
		LTE Band 7	4.0 dBi		
		LTE Band 13	0.5 dBi		

Max. Conducted Output	LTE Band 2 (Channel Bandwidth 1.4MHz)	0.194	W
Average Power	LTE Band 2 (Channel Bandwidth 3MHz)	0.206	W
	LTE Band 2 (Channel Bandwidth 5MHz)	0.203	W
	LTE Band 2 (Channel Bandwidth 10MHz)	0.206	W
	LTE Band 2 (Channel Bandwidth 15MHz)	0.222	W
	LTE Band 2 (Channel Bandwidth 20MHz)	0.243	W
	LTE Band 4 (Channel Bandwidth 1.4MHz)	0.201	W
	LTE Band 4 (Channel Bandwidth 3MHz)	0.203	W
	LTE Band 4 (Channel Bandwidth 5MHz)	0.199	W
	LTE Band 4 (Channel Bandwidth 10MHz)	0.221	W
	LTE Band 4 (Channel Bandwidth 15MHz)	0.233	W
	LTE Band 4 (Channel Bandwidth 20MHz)	0.251	W
	LTE Band 5 (Channel Bandwidth 1.4MHz)	0.226	W
	LTE Band 5 (Channel Bandwidth 3MHz)	0.231	W
	LTE Band 5 (Channel Bandwidth 5MHz)	0.222	W
	LTE Band 5 (Channel Bandwidth 10MHz)	0.220	W
	LTE Band 7 (Channel Bandwidth 5MHz)	0.149	W
	LTE Band 7 (Channel Bandwidth 10MHz)	0.149	W
	LTE Band 7 (Channel Bandwidth 15MHz)	0.145	W
	LTE Band 7 (Channel Bandwidth 20MHz)	0.148	W
	LTE Band 13 (Channel Bandwidth 5MHz)	0.203	W
LTE Band 13 (Channel Bandwidth 10MHz)	0.201	W	

Max. E.R.P. / E.I.R.P.	LTE Band 2 (Channel Bandwidth 1.4MHz)	0.183	W (E.I.R.P.)	
	LTE Band 2 (Channel Bandwidth 3MHz)	0.176	W (E.I.R.P.)	
	LTE Band 2 (Channel Bandwidth 5MHz)	0.168	W (E.I.R.P.)	
	LTE Band 2 (Channel Bandwidth 10MHz)	0.172	W (E.I.R.P.)	
	LTE Band 2 (Channel Bandwidth 15MHz)	0.177	W (E.I.R.P.)	
	LTE Band 2 (Channel Bandwidth 20MHz)	0.180	W (E.I.R.P.)	
	LTE Band 4 (Channel Bandwidth 1.4MHz)	0.185	W (E.I.R.P.)	
	LTE Band 4 (Channel Bandwidth 3MHz)	0.178	W (E.I.R.P.)	
	LTE Band 4 (Channel Bandwidth 5MHz)	0.173	W (E.I.R.P.)	
	LTE Band 4 (Channel Bandwidth 10MHz)	0.177	W (E.I.R.P.)	
	LTE Band 4 (Channel Bandwidth 15MHz)	0.170	W (E.I.R.P.)	
	LTE Band 4 (Channel Bandwidth 20MHz)	0.169	W (E.I.R.P.)	
	LTE Band 5 (Channel Bandwidth 1.4MHz)	0.188	W (E.R.P.)	
	LTE Band 5 (Channel Bandwidth 3MHz)	0.180	W (E.R.P.)	
	LTE Band 5 (Channel Bandwidth 5MHz)	0.177	W (E.R.P.)	
	LTE Band 5 (Channel Bandwidth 10MHz)	0.170	W (E.R.P.)	
	LTE Band 7 (Channel Bandwidth 5MHz)	0.149	W (E.I.R.P.)	
	LTE Band 7 (Channel Bandwidth 10MHz)	0.139	W (E.I.R.P.)	
	LTE Band 7 (Channel Bandwidth 15MHz)	0.139	W (E.I.R.P.)	
	LTE Band 7 (Channel Bandwidth 20MHz)	0.138	W (E.I.R.P.)	
LTE Band 13 (Channel Bandwidth 5MHz)	0.176	W (E.R.P.)		
LTE Band 13 (Channel Bandwidth 10MHz)	0.171	W (E.R.P.)		
Power Adapter List				
Power adapter (1)	Trade Name	NETGEAR	Model Number	MU05BT050100-A1
	I/P: 100-240VAC, 50/60Hz, 0.15A O/P: 5VDC, 1A Cable out: Shielded, 1.0m, Detachable at Power Adapter			
Power adapter (2)	Trade Name	NETGEAR	Model Number	AD2038F20
	I/P: 100-240VAC, 50/60Hz, 0.13A O/P: 5VDC, 1A Cable out: Shielded, 1.0m, Detachable at Power Adapter			

1.2. Mode of Operation

Note: The device used two models of adapter, adapter number: MU05BT050100-A1 is worst case to perform testing.

Three channels had been tested for each channel bandwidth.

LTE Band 2						
Channel Bandwidth	1.4MHz		3MHz		5MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	18607	1850.7	18615	1851.5	18625	1852.5
Middle CH	18900	1880.0	18900	1880.0	18900	1880.0
High CH	19193	1909.3	19185	1908.5	19175	1907.5
Channel Bandwidth	10MHz		15MHz		20MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	18650	1855.0	18675	1857.5	18700	1860.0
Middle CH	18900	1880.0	18900	1880.0	18900	1880.0
High CH	19150	1905.0	19125	1902.5	19100	1900.0

LTE Band 4						
Channel Bandwidth	1.4MHz		3MHz		5MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	19957	1710.7	19965	1711.5	19975	1712.5
Middle CH	20175	1732.5	20175	1732.5	20175	1732.5
High CH	20393	1754.3	20385	1753.5	20375	1752.5
Channel Bandwidth	10MHz		15MHz		20MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	20000	1715.0	20025	1717.5	20050	1720.0
Middle CH	20175	1732.5	20175	1732.5	20175	1732.5
High CH	20350	1750.0	20325	1747.5	20300	1745.0

LTE Band 5				
Channel Bandwidth	1.4MHz		3MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	20407	824.7	20415	825.5
Middle CH	20525	836.5	20525	836.5
High CH	20643	848.3	20635	847.5
Channel Bandwidth	5MHz		10MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	20425	826.5	20450	829.0
Middle CH	20525	836.5	20525	836.5
High CH	20625	846.5	20600	844.0

LTE Band 7				
Channel Bandwidth	5MHz		10MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	20775	2502.5	20800	2505.0
Middle CH	21100	2535.0	21100	2535.0
High CH	21425	2567.5	21400	2565.0
Channel Bandwidth	15MHz		20MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	20825	2507.5	20850	2510.0
Middle CH	21100	2535.0	21100	2535.0
High CH	21375	2562.5	21350	2560.0

LTE Band 13				
Channel Bandwidth	5MHz		10MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	23205	779.5	---	---
Middle CH	23230	782.0	23230	782.0
High CH	23255	784.5	---	---

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Frequency range investigated for radiated emission: 30MHz to 19000 MHz.

Band	Channel Bandwidth	Test Modes	
LTE Band 2	1.4 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 2) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 5) Link <input type="checkbox"/> LTE(RB Size 3, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 3, RB Offset 1) Link <input type="checkbox"/> LTE(RB Size 3, RB Offset 3) Link <input type="checkbox"/> LTE(RB Size 6, RB Offset 0) Link	QPSK
	3 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 8) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 14) Link <input type="checkbox"/> LTE(RB Size 8, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 8, RB Offset 4) Link <input type="checkbox"/> LTE(RB Size 8, RB Offset 7) Link <input type="checkbox"/> LTE(RB Size 15, RB Offset 0) Link	QPSK
	5 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 12) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 24) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 6) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 13) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 24) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 49) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 12) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 25) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 0) Link	QPSK
	15 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 38) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 74) Link <input type="checkbox"/> LTE(RB Size 36, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 36, RB Offset 18) Link <input type="checkbox"/> LTE(RB Size 36, RB Offset 39) Link <input type="checkbox"/> LTE(RB Size 75, RB Offset 0) Link	QPSK
	20 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 49) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 99) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 25) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 50) Link <input type="checkbox"/> LTE(RB Size 100, RB Offset 0) Link	QPSK

Band	Channel Bandwidth	Test Modes	
LTE Band 4	1.4 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 2) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 5) Link <input type="checkbox"/> LTE(RB Size 3, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 3, RB Offset 1) Link <input type="checkbox"/> LTE(RB Size 3, RB Offset 3) Link <input type="checkbox"/> LTE(RB Size 6, RB Offset 0) Link	16QAM
	3 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 8) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 14) Link <input type="checkbox"/> LTE(RB Size 8, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 8, RB Offset 4) Link <input type="checkbox"/> LTE(RB Size 8, RB Offset 7) Link <input type="checkbox"/> LTE(RB Size 15, RB Offset 0) Link	QPSK
	5 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 12) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 24) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 6) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 13) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 24) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 49) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 12) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 25) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 0) Link	16QAM
	15 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 38) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 74) Link <input type="checkbox"/> LTE(RB Size 36, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 36, RB Offset 18) Link <input type="checkbox"/> LTE(RB Size 36, RB Offset 39) Link <input type="checkbox"/> LTE(RB Size 75, RB Offset 0) Link	16QAM
	20 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 49) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 99) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 25) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 50) Link <input type="checkbox"/> LTE(RB Size 100, RB Offset 0) Link	QPSK

Band	Channel Bandwidth	Test Modes	
LTE Band 5	1.4 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 2) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 5) Link <input type="checkbox"/> LTE(RB Size 3, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 3, RB Offset 1) Link <input type="checkbox"/> LTE(RB Size 3, RB Offset 3) Link <input type="checkbox"/> LTE(RB Size 6, RB Offset 0) Link	QPSK
	3 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 8) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 14) Link <input type="checkbox"/> LTE(RB Size 8, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 8, RB Offset 4) Link <input type="checkbox"/> LTE(RB Size 8, RB Offset 7) Link <input type="checkbox"/> LTE(RB Size 15, RB Offset 0) Link	QPSK
	5 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 12) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 24) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 6) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 13) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 24) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 49) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 12) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 25) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 0) Link	QPSK

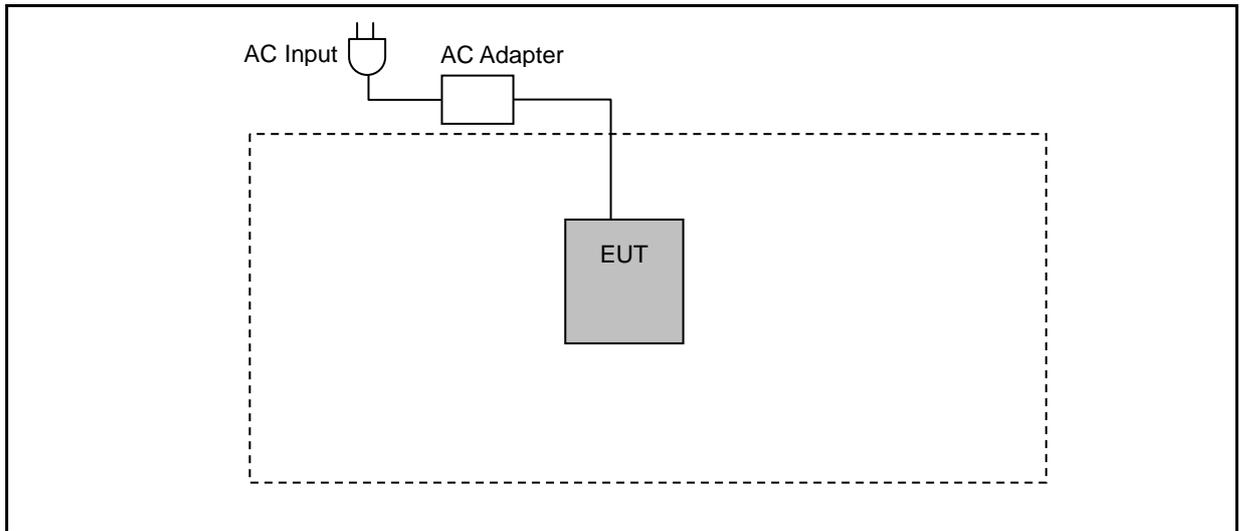
Band	Channel Bandwidth	Test Modes	
LTE Band 7	5 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 12) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 24) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 6) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 13) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 24) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 49) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 12) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 25) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 0) Link	QPSK
	15 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 38) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 74) Link <input type="checkbox"/> LTE(RB Size 36, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 36, RB Offset 18) Link <input type="checkbox"/> LTE(RB Size 36, RB Offset 39) Link <input type="checkbox"/> LTE(RB Size 75, RB Offset 0) Link	QPSK
	20 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 49) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 99) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 25) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 50) Link <input type="checkbox"/> LTE(RB Size 100, RB Offset 0) Link	QPSK

Band	Channel Bandwidth	Test Modes	
LTE Band 13	5 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 12) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 24) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 6) Link <input type="checkbox"/> LTE(RB Size 12, RB Offset 13) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	<input checked="" type="checkbox"/> LTE(RB Size 1, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 24) Link <input type="checkbox"/> LTE(RB Size 1, RB Offset 49) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 0) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 12) Link <input type="checkbox"/> LTE(RB Size 25, RB Offset 25) Link <input type="checkbox"/> LTE(RB Size 50, RB Offset 0) Link	QPSK

1.3. EUT Exercise Software

1	Setup the EUT and Base Station (CMW500) as shown on 1.4.
2	Turn on the power of all equipment.
3	EUT run test program test.

1.4. Configuration of Test System Details



1.5. Test Site Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	26
Humidity (%RH)	25-75	60
Barometric pressure (mbar)	860-1060	950

1.6. Summary of Test Result

FCC Rule	Description	Result
§2.1046	Conducted Output Average Power	Pass
§22.913 §24.232 §27.50	Equivalent Isotropic Radiated Power / Equivalent Radiated Power	Pass
§2.1055 §22.355 §24.235 §27.54	Frequency Stability	Pass
§2.1049	Emission Bandwidth & Occupied Bandwidth	Pass
§24.232 §27.50	Peak to average ratio	Pass
§22.917 §24.238 §27.53	Band Edge	Pass
§2.1051 §22.917 §24.238 §27.53	Conducted Spurious Emissions	Pass
§2.1053 §22.917 §24.238 §27.53	Radiated Spurious Emissions	Pass

2 Conducted Output Average Power Test

2.1. Limit

N/A

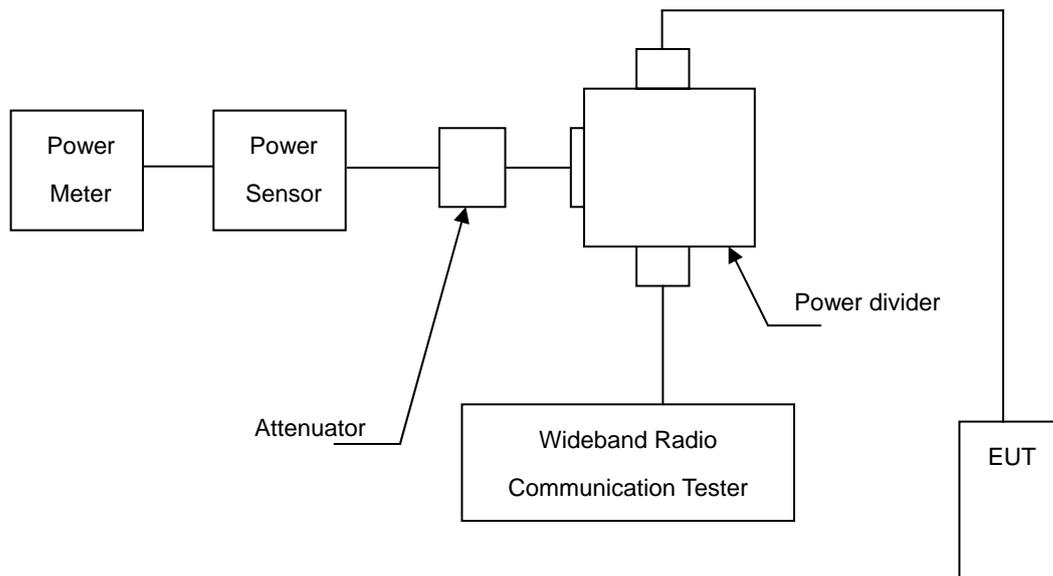
2.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Wideband Radio Communication Tester	R & S	CMW500	103168	11/05/2014	(1)
Wideband Power Sensor	Agilent	N1921A	MY45241957	12/15/2014	(1)
Single Channel PK Power Meter	Agilent	N1911A	MY45101619	12/15/2014	(1)
Test Site	ATL	TE05	TE05	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

2.3. Test Setup



2.4. Test Procedure

- a. The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.
- b. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

2.5. Uncertainty

The measurement uncertainty is defined as for Conducted Power measurement is 1.2 dB.

2.6. Test Result

Model Number	AC791L		
Test Item	Conducted Output Average Power		
Date of Test	04/27/2015	Test Site	TE05

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	1.4 MHz	QPSK	18607	1850.7	1	0	22.88	0.194
					1	2	22.77	0.189
					1	5	22.74	0.188
					3	0	22.73	0.187
					3	1	22.67	0.185
					3	3	22.67	0.185
			6	0	22.64	0.184		
			1	0	22.88	0.194		
			1	2	22.86	0.193		
			1	5	22.81	0.191		
			3	0	22.80	0.191		
			3	1	22.75	0.188		
			3	3	22.72	0.187		
			6	0	22.72	0.187		
			1	0	22.85	0.193		
			1	2	22.82	0.191		
			1	5	22.81	0.191		
			3	0	22.74	0.188		
		3	1	22.63	0.183			
		3	3	22.49	0.177			
		6	0	22.44	0.175			
		1	0	21.74	0.149			
		1	2	21.66	0.147			
		1	5	21.62	0.145			
		3	0	21.59	0.144			
		3	1	21.37	0.137			
		3	3	21.34	0.136			
		6	0	21.30	0.135			
		1	0	21.84	0.153			
		1	2	21.75	0.150			
		1	5	21.74	0.149			
		3	0	21.72	0.149			
		3	1	21.37	0.137			
		3	3	21.27	0.134			
		6	0	21.26	0.134			
		1	0	21.91	0.155			
1	2	21.82	0.152					
1	5	21.77	0.150					
3	0	21.69	0.148					
3	1	21.61	0.145					
3	3	21.52	0.142					
6	0	21.52	0.142					

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power		
					Size	Offset	(dBm)	(W)	
LTE Band 2	3 MHz	QPSK	18615	1851.5	1	0	22.99	0.199	
					1	8	22.77	0.189	
					1	14	22.74	0.188	
					8	0	22.73	0.187	
					8	4	22.71	0.187	
					8	7	22.70	0.186	
			15	0	22.67	0.185			
			1	0	23.06	0.202			
			1	8	22.88	0.194			
			1	14	22.83	0.192			
			8	0	22.76	0.189			
			8	4	22.74	0.188			
			8	7	22.71	0.187			
			15	0	22.71	0.187			
			1	0	23.14	0.206			
			1	8	23.14	0.206			
			1	14	23.08	0.203			
			8	0	23.07	0.203			
		8	4	22.94	0.197				
		8	7	22.66	0.185				
		15	0	22.31	0.170				
		1	0	21.82	0.152				
		1	8	21.81	0.152				
		1	14	21.74	0.149				
		8	0	21.62	0.145				
		8	4	21.58	0.144				
		8	7	21.50	0.141				
		15	0	21.48	0.141				
		1	0	21.92	0.156				
		1	8	21.86	0.153				
		1	14	21.79	0.151				
		8	0	21.71	0.148				
		8	4	21.65	0.146				
		8	7	21.59	0.144				
		15	0	21.51	0.142				
		1	0	22.18	0.165				
		1	8	22.14	0.164				
		1	14	22.03	0.160				
		8	0	21.98	0.158				
		8	4	21.92	0.156				
		8	7	21.80	0.151				
		15	0	21.66	0.147				
		16QAM	18615	1851.5	1851.5	1	0	21.82	0.152
						1	8	21.81	0.152
						1	14	21.74	0.149
						8	0	21.62	0.145
						8	4	21.58	0.144
						8	7	21.50	0.141
15	0		21.48	0.141					
1	0		21.92	0.156					
1	8		21.86	0.153					
1	14		21.79	0.151					
8	0		21.71	0.148					
8	4		21.65	0.146					
8	7		21.59	0.144					
15	0		21.51	0.142					
1	0		22.18	0.165					
1	8		22.14	0.164					
1	14		22.03	0.160					
8	0		21.98	0.158					
8	4	21.92	0.156						
8	7	21.80	0.151						
15	0	21.66	0.147						

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	5 MHz	QPSK	18625	1852.5	1	0	22.88	0.194
					1	12	22.75	0.188
					1	24	22.72	0.187
					12	0	21.71	0.148
					12	6	21.66	0.147
					12	13	21.63	0.146
			25	0	21.61	0.145		
			1	0	22.86	0.193		
			1	12	22.78	0.190		
			1	24	22.64	0.184		
			12	0	21.80	0.151		
			12	6	21.73	0.149		
			12	13	21.69	0.148		
			25	0	21.60	0.145		
			1	0	23.07	0.203		
			1	12	22.98	0.199		
			1	24	22.25	0.168		
			12	0	22.05	0.160		
		12	6	21.98	0.158			
		12	13	21.87	0.154			
		25	0	21.86	0.153			
		1	0	21.66	0.147			
		1	12	21.63	0.146			
		1	24	21.54	0.143			
		12	0	20.72	0.118			
		12	6	20.67	0.117			
		12	13	20.67	0.117			
		25	0	20.65	0.116			
		1	0	21.76	0.150			
		1	12	21.59	0.144			
		1	24	21.51	0.142			
		12	0	20.80	0.120			
		12	6	20.72	0.118			
		12	13	20.68	0.117			
		25	0	20.64	0.116			
		1	0	21.88	0.154			
1	12	21.86	0.153					
1	24	21.63	0.146					
12	0	21.09	0.129					
12	6	21.07	0.128					
12	11	21.00	0.126					
25	0	20.90	0.123					

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	10 MHz	QPSK	18650	1855.0	1	0	23.04	0.201
					1	24	22.92	0.196
					1	49	22.91	0.195
					25	0	22.85	0.193
					25	12	22.81	0.191
					25	25	22.76	0.189
			50	0	22.74	0.188		
			18900	1880.0	1	0	23.12	0.205
					1	24	22.88	0.194
					1	49	22.87	0.194
					25	0	22.78	0.190
					25	12	22.75	0.188
					25	25	22.72	0.187
			50	0	22.63	0.183		
			19150	1905.0	1	0	23.13	0.206
					1	24	23.05	0.202
					1	49	23.04	0.201
					25	0	23.01	0.200
		25			12	22.95	0.197	
		25			25	22.91	0.195	
		50	0	22.16	0.164			
		16QAM	18650	1855.0	1	0	21.89	0.155
					1	24	21.88	0.154
					1	49	21.83	0.152
					25	0	21.83	0.152
					25	12	21.70	0.148
					25	25	21.62	0.145
			50	0	21.60	0.145		
			18900	1880.0	1	0	22.13	0.163
					1	24	21.89	0.155
					1	49	21.76	0.150
					25	0	21.75	0.150
					25	12	21.74	0.149
					25	25	21.63	0.146
			50	0	21.62	0.145		
			19150	1905.0	1	0	22.15	0.164
					1	24	22.00	0.158
					1	49	21.99	0.158
					25	0	21.98	0.158
		25			12	21.96	0.157	
		25			25	21.86	0.153	
		50	0	21.53	0.142			

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	15 MHz	QPSK	18675	1857.5	1	0	23.46	0.222
					1	38	23.11	0.205
					1	74	23.08	0.203
					36	0	23.03	0.201
					36	18	22.93	0.196
					36	39	22.91	0.195
			75	0	22.85	0.193		
			1	0	23.46	0.222		
			1	38	23.11	0.205		
			1	74	22.99	0.199		
			36	0	22.92	0.196		
			36	18	22.88	0.194		
			36	39	22.86	0.193		
			75	0	22.85	0.193		
			1	0	23.37	0.217		
			1	38	23.15	0.207		
			1	74	23.10	0.204		
			36	0	23.05	0.202		
		36	18	23.01	0.200			
		36	39	22.92	0.196			
		75	0	22.35	0.172			
		1	0	22.25	0.168			
		1	38	22.17	0.165			
		1	74	22.07	0.161			
		36	0	21.98	0.158			
		36	18	21.96	0.157			
		36	39	21.87	0.154			
		75	0	21.66	0.147			
		1	0	22.31	0.170			
		1	38	22.18	0.165			
		1	74	22.04	0.160			
		36	0	21.93	0.156			
		36	18	21.86	0.153			
		36	39	21.75	0.150			
		75	0	21.55	0.143			
		1	0	22.41	0.174			
		1	38	22.21	0.166			
		1	74	22.21	0.166			
		36	0	22.14	0.164			
		36	18	21.87	0.154			
		36	39	21.83	0.152			
		75	0	21.72	0.149			

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	20 MHz	QPSK	18700	1860.0	1	0	23.86	0.243
					1	49	23.15	0.207
					1	99	23.00	0.200
					50	0	22.18	0.165
					50	25	22.16	0.164
					50	50	22.11	0.163
			100	0	22.10	0.162		
			1	0	23.48	0.223		
			1	49	23.03	0.201		
			1	99	22.75	0.188		
			50	0	22.35	0.172		
			50	25	22.27	0.169		
			50	50	22.19	0.166		
			100	0	22.09	0.162		
			1	0	23.80	0.240		
			1	49	22.86	0.193		
			1	99	22.24	0.167		
			50	0	22.17	0.165		
		50	25	22.09	0.162			
		50	50	22.07	0.161			
		100	0	22.06	0.161			
		1	0	22.58	0.181			
		1	49	22.06	0.161			
		1	99	21.79	0.151			
		50	0	21.21	0.132			
		50	25	21.18	0.131			
		50	50	21.01	0.126			
		100	0	20.99	0.126			
		1	0	22.79	0.190			
		1	49	21.97	0.157			
		1	99	21.52	0.142			
		50	0	21.18	0.131			
		50	25	21.10	0.129			
		50	50	20.83	0.121			
		100	0	20.76	0.119			
		1	0	22.56	0.180			
		1	49	21.67	0.147			
		1	99	21.45	0.140			
		50	0	21.17	0.131			
		50	25	21.16	0.131			
		50	50	20.98	0.125			
		100	0	20.94	0.124			

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	1.4 MHz	QPSK	19957	1710.7	1	0	22.85	0.193
					1	2	22.84	0.192
					1	5	22.78	0.190
					3	0	22.72	0.187
					3	1	22.66	0.185
					3	3	22.58	0.181
			20175	1732.5	6	0	22.57	0.181
					1	0	22.97	0.198
					1	2	22.93	0.196
					1	5	22.84	0.192
					3	0	22.83	0.192
					3	1	22.79	0.190
			20393	1754.3	3	3	22.78	0.190
					6	0	22.75	0.188
					1	0	22.85	0.193
					1	2	22.80	0.191
					1	5	22.73	0.187
					3	0	22.72	0.187
		16QAM	19957	1710.7	3	1	22.70	0.186
					3	3	22.66	0.185
					6	0	22.59	0.182
					1	0	22.81	0.191
					1	2	22.69	0.186
					1	5	22.55	0.180
			20175	1732.5	3	0	22.54	0.179
					3	1	22.53	0.179
					3	3	22.35	0.172
					6	0	21.68	0.147
					1	0	23.03	0.201
					1	2	22.88	0.194
			20393	1754.3	1	5	22.84	0.192
					3	0	22.73	0.187
					3	1	22.56	0.180
					3	3	22.53	0.179
					6	0	21.95	0.157
					1	0	22.98	0.199
19957	1710.7	1	2	22.79	0.190			
		1	5	22.76	0.189			
		3	0	22.71	0.187			
		3	1	22.58	0.181			
		3	3	22.55	0.180			
		6	0	21.92	0.156			

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	3 MHz	QPSK	19965	1711.5	1	0	22.98	0.199
					1	8	22.90	0.195
					1	14	22.82	0.191
					8	0	22.82	0.191
					8	4	22.73	0.187
					8	7	22.71	0.187
					15	0	22.57	0.181
			1	0	23.08	0.203		
			1	8	22.90	0.195		
			1	14	22.89	0.195		
			8	0	22.88	0.194		
			8	4	22.87	0.194		
			8	7	22.87	0.194		
			15	0	22.85	0.193		
			1	0	22.96	0.198		
			1	8	22.86	0.193		
			1	14	22.84	0.192		
			8	0	22.83	0.192		
			8	4	22.74	0.188		
			8	7	22.74	0.188		
			15	0	22.71	0.187		
			1	0	22.94	0.197		
			1	8	22.66	0.185		
			1	14	22.62	0.183		
		8	0	21.87	0.154			
		8	4	21.82	0.152			
		8	7	21.80	0.151			
		15	0	21.65	0.146			
		1	0	22.98	0.199			
		1	8	22.87	0.194			
		1	14	22.79	0.190			
		8	0	21.95	0.157			
		8	4	21.93	0.156			
		8	7	21.88	0.154			
		15	0	21.79	0.151			
		1	0	22.90	0.195			
		1	8	22.73	0.187			
		1	14	22.72	0.187			
		8	0	21.90	0.155			
		8	4	21.87	0.154			
		8	7	21.78	0.151			
		15	0	21.75	0.150			

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	5 MHz	QPSK	19975	1712.5	1	0	22.81	0.191
					1	12	22.74	0.188
					1	24	22.66	0.185
					12	0	21.71	0.148
					12	6	21.69	0.148
					12	13	21.66	0.147
					25	0	21.59	0.144
					1	0	22.98	0.199
			1	12	22.92	0.196		
			1	24	22.90	0.195		
			12	0	21.79	0.151		
			12	6	21.75	0.150		
			12	13	21.74	0.149		
			25	0	21.72	0.149		
			1	0	22.83	0.192		
			1	12	22.67	0.185		
			1	24	22.67	0.185		
			12	0	21.57	0.144		
			12	6	21.55	0.143		
			12	13	21.51	0.142		
			25	0	21.48	0.141		
			1	0	22.80	0.191		
			1	12	22.68	0.185		
			1	24	22.62	0.183		
		12	0	20.74	0.119			
		12	6	20.73	0.118			
		12	13	20.68	0.117			
		25	0	20.61	0.115			
		1	0	22.98	0.199			
		1	12	22.83	0.192			
		1	24	22.82	0.191			
		12	0	20.81	0.121			
		12	6	20.78	0.120			
		12	13	20.76	0.119			
		25	0	20.75	0.119			
		1	0	22.64	0.184			
		1	12	22.62	0.183			
		1	24	22.58	0.181			
		12	0	20.66	0.116			
		12	6	20.58	0.114			
		12	11	20.55	0.114			
		25	0	20.50	0.112			

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	10 MHz	QPSK	2000	1715.0	1	0	23.02	0.200
					1	24	22.71	0.187
					1	49	22.66	0.185
					25	0	22.51	0.178
					25	12	22.42	0.175
					25	25	22.39	0.173
			50	0	22.30	0.170		
			1	0	23.14	0.206		
			1	24	22.86	0.193		
			1	49	22.72	0.187		
			25	0	22.70	0.186		
			25	12	22.59	0.182		
			25	25	22.53	0.179		
			50	0	22.39	0.173		
			1	0	22.87	0.194		
			1	24	22.51	0.178		
			1	49	22.38	0.173		
			25	0	22.32	0.171		
		25	12	22.22	0.167			
		25	25	22.19	0.166			
		50	0	22.08	0.161			
		20350	1750.0	1	0	23.31	0.214	
		1	24	23.06	0.202			
		1	49	23.00	0.200			
		25	0	21.52	0.142			
		25	12	21.41	0.138			
		25	25	21.32	0.136			
		50	0	21.26	0.134			
		1	0	23.45	0.221			
		1	24	22.89	0.195			
		1	49	22.70	0.186			
		25	0	21.73	0.149			
		25	12	21.50	0.141			
		25	25	21.49	0.141			
		50	0	21.35	0.136			
		20175	1732.5	1	0	23.00	0.200	
1	24	22.58	0.181					
1	49	22.52	0.179					
25	0	21.29	0.135					
25	12	21.22	0.132					
25	25	21.19	0.132					
50	0	21.08	0.128					
20350	1750.0	1	0	23.00	0.200			
1	24	22.58	0.181					
1	49	22.52	0.179					
25	0	21.29	0.135					
25	12	21.22	0.132					
25	25	21.19	0.132					
50	0	21.08	0.128					

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	15 MHz	QPSK	20025	1717.5	1	0	23.44	0.221
					1	38	23.05	0.202
					1	74	22.94	0.197
					36	0	22.87	0.194
					36	18	22.85	0.193
					36	39	22.81	0.191
					75	0	22.79	0.190
					1	0	23.41	0.219
			20175	1732.5	1	38	23.11	0.205
					1	74	23.08	0.203
					36	0	23.02	0.200
					36	18	22.86	0.193
					36	39	22.80	0.191
					75	0	22.75	0.188
					1	0	23.30	0.214
					1	38	22.88	0.194
			20325	1747.5	1	74	22.71	0.187
					36	0	22.70	0.186
					36	18	22.70	0.186
					36	39	22.70	0.186
					75	0	22.60	0.182
					1	0	23.67	0.233
					1	38	22.90	0.195
					1	74	22.78	0.190
		16QAM	20025	1717.5	36	0	22.09	0.162
					36	18	21.92	0.156
					36	39	21.88	0.154
					75	0	21.79	0.151
					1	0	23.47	0.222
					1	38	22.94	0.197
					1	74	22.90	0.195
					36	0	22.07	0.161
			20175	1732.5	36	18	22.01	0.159
					36	39	21.91	0.155
					75	0	21.76	0.150
					1	0	23.41	0.219
					1	38	22.64	0.184
					1	74	22.50	0.178
					36	0	21.97	0.157
					36	18	21.75	0.150
			20325	1747.5	36	39	21.68	0.147
					75	0	21.58	0.144

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	20 MHz	QPSK	20050	1720.0	1	0	23.94	0.248
					1	49	23.33	0.215
					1	99	23.11	0.205
					50	0	23.10	0.204
					50	25	22.94	0.197
					50	50	22.88	0.194
			100	0	22.77	0.189		
			1	0	23.99	0.251		
			1	49	23.38	0.218		
			1	99	23.04	0.201		
			50	0	23.01	0.200		
			50	25	22.99	0.199		
			50	50	22.96	0.198		
			100	0	22.88	0.194		
			1	0	23.82	0.241		
			1	49	23.12	0.205		
			1	99	22.87	0.194		
			50	0	22.82	0.191		
		50	25	22.75	0.188			
		50	50	22.72	0.187			
		100	0	22.56	0.180			
		1	0	23.69	0.234			
		1	49	23.24	0.211			
		1	99	22.77	0.189			
		50	0	22.31	0.170			
		50	25	22.06	0.161			
		50	50	21.92	0.156			
		100	0	21.89	0.155			
		1	0	23.69	0.234			
		1	49	23.17	0.207			
		1	99	22.95	0.197			
		50	0	22.27	0.169			
		50	25	22.05	0.160			
		50	50	21.95	0.157			
		100	0	21.89	0.155			
		1	0	23.74	0.237			
1	49	23.05	0.202					
1	99	22.57	0.181					
50	0	22.03	0.160					
50	25	21.80	0.151					
50	50	21.70	0.148					
100	0	21.69	0.148					

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 5	1.4 MHz	QPSK	20407	824.7	1	0	23.54	0.226
					1	2	23.47	0.222
					1	5	23.46	0.222
					3	0	23.36	0.217
					3	1	23.34	0.216
					3	3	23.32	0.215
			6	0	22.33	0.171		
			1	0	23.50	0.224		
			1	2	23.46	0.222		
			1	5	23.45	0.221		
			3	0	23.39	0.218		
			3	1	23.39	0.218		
			3	3	23.31	0.214		
			6	0	22.26	0.168		
			1	0	23.17	0.207		
			1	2	23.09	0.204		
			1	5	23.07	0.203		
			3	0	23.07	0.203		
		3	1	23.05	0.202			
		3	3	23.01	0.200			
		6	0	21.98	0.158			
		1	0	22.76	0.189			
		1	2	22.74	0.188			
		1	5	22.74	0.188			
		3	0	22.45	0.176			
		3	1	22.38	0.173			
		3	3	22.36	0.172			
		6	0	21.34	0.136			
		1	0	22.82	0.191			
		1	2	22.79	0.190			
		1	5	22.70	0.186			
		3	0	22.47	0.177			
		3	1	22.43	0.175			
		3	3	22.40	0.174			
		6	0	21.36	0.137			
		1	0	22.47	0.177			
1	2	22.40	0.174					
1	5	22.39	0.173					
3	0	22.16	0.164					
3	1	22.11	0.163					
3	3	22.10	0.162					
6	0	21.11	0.129					

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 5	3 MHz	QPSK	20415	825.5	1	0	23.51	0.224
					1	8	23.49	0.223
					1	14	23.42	0.220
					8	0	22.44	0.175
					8	4	22.33	0.171
					8	7	22.33	0.171
			15	0	22.32	0.171		
			1	0	23.64	0.231		
			1	8	23.33	0.215		
			1	14	23.33	0.215		
			8	0	22.43	0.175		
			8	4	22.38	0.173		
			8	7	22.35	0.172		
			15	0	22.31	0.170		
			1	0	23.30	0.214		
			1	8	23.07	0.203		
			1	14	23.03	0.201		
			8	0	22.08	0.161		
		8	4	22.07	0.161			
		8	7	22.00	0.158			
		15	0	21.99	0.158			
		1	0	22.86	0.193			
		1	8	22.72	0.187			
		1	14	22.57	0.181			
		8	0	21.50	0.141			
		8	4	21.41	0.138			
		8	7	21.38	0.137			
		15	0	21.28	0.134			
		1	0	22.85	0.193			
		1	8	22.58	0.181			
		1	14	22.51	0.178			
		8	0	21.47	0.140			
		8	4	21.41	0.138			
		8	7	21.35	0.136			
		15	0	21.33	0.136			
		1	0	22.50	0.178			
1	8	22.29	0.169					
1	14	22.27	0.169					
8	0	21.16	0.131					
8	4	21.11	0.129					
8	7	21.02	0.126					
15	0	21.02	0.126					
16QAM	20415	825.5	1	0	22.86	0.193		
			1	8	22.72	0.187		
			1	14	22.57	0.181		
			8	0	21.50	0.141		
			8	4	21.41	0.138		
			8	7	21.38	0.137		
	15	0	21.28	0.134				
	1	0	22.85	0.193				
	1	8	22.58	0.181				
	1	14	22.51	0.178				
	8	0	21.47	0.140				
	8	4	21.41	0.138				
	8	7	21.35	0.136				
	15	0	21.33	0.136				
	1	0	22.50	0.178				
	1	8	22.29	0.169				
	1	14	22.27	0.169				
	8	0	21.16	0.131				
8	4	21.11	0.129					
8	7	21.02	0.126					
15	0	21.02	0.126					

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 5	5 MHz	QPSK	20425	826.5	1	0	23.47	0.222
					1	12	23.41	0.219
					1	24	23.39	0.218
					12	0	22.43	0.175
					12	6	22.36	0.172
					12	13	22.35	0.172
			20525	836.5	25	0	22.28	0.169
					1	0	23.41	0.219
					1	12	23.31	0.214
					1	24	23.30	0.214
					12	0	22.39	0.173
					12	6	22.32	0.171
			20625	846.5	12	13	22.27	0.169
					25	0	22.24	0.167
					1	0	23.20	0.209
					1	12	23.06	0.202
					1	24	23.05	0.202
					12	0	22.14	0.164
		16QAM	20425	826.5	12	6	22.11	0.163
					12	13	21.98	0.158
					25	0	21.96	0.157
					1	0	22.76	0.189
					1	12	22.75	0.188
					1	24	22.67	0.185
			20525	836.5	12	0	21.42	0.139
					12	6	21.41	0.138
					12	13	21.36	0.137
					25	0	21.29	0.135
					1	0	22.77	0.189
					1	12	22.62	0.183
			20625	846.5	1	24	22.60	0.182
					12	0	21.39	0.138
					12	6	21.30	0.135
					12	13	21.29	0.135
					25	0	21.28	0.134
					1	0	22.47	0.177
		20425	826.5	1	12	22.44	0.175	
				1	24	22.39	0.173	
				12	0	21.20	0.132	
				12	6	21.08	0.128	
				12	11	21.07	0.128	
				25	0	21.02	0.126	

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 5	10 MHz	QPSK	20450	829.0	1	0	23.43	0.220
					1	24	23.41	0.219
					1	49	23.21	0.209
					25	0	22.46	0.176
					25	12	22.45	0.176
					25	25	22.32	0.171
			50	0	22.30	0.170		
			1	0	23.35	0.216		
			1	24	23.32	0.215		
			1	49	23.19	0.208		
			25	0	22.31	0.170		
			25	12	22.30	0.170		
			25	25	22.27	0.169		
			50	0	22.23	0.167		
			1	0	23.35	0.216		
			1	24	23.22	0.210		
			1	49	22.99	0.199		
			25	0	22.28	0.169		
		25	12	22.22	0.167			
		25	25	22.18	0.165			
		50	0	22.06	0.161			
		1	0	22.95	0.197			
		1	24	22.81	0.191			
		1	49	22.59	0.182			
		25	0	21.41	0.138			
		25	12	21.40	0.138			
		25	25	21.30	0.135			
		50	0	21.28	0.134			
		1	0	22.77	0.189			
		1	24	22.75	0.188			
		1	49	22.59	0.182			
		25	0	21.31	0.135			
		25	12	21.31	0.135			
		25	25	21.26	0.134			
		50	0	21.21	0.132			
		1	0	22.70	0.186			
1	24	22.57	0.181					
1	49	22.42	0.175					
25	0	21.16	0.131					
25	12	21.15	0.130					
25	25	21.13	0.130					
50	0	20.99	0.126					

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 7	5 MHz	QPSK	20775	2502.5	1	0	21.58	0.144
					1	12	21.56	0.143
					1	24	21.51	0.142
					12	0	20.58	0.114
					12	6	20.56	0.114
					12	13	20.53	0.113
			25	0	20.51	0.112		
			1	0	21.51	0.142		
			1	12	21.45	0.140		
			1	24	21.40	0.138		
			12	0	20.63	0.116		
			12	6	20.61	0.115		
			12	13	20.52	0.113		
			25	0	20.51	0.112		
			1	0	21.74	0.149		
			1	12	21.66	0.147		
			1	24	21.63	0.146		
			12	0	20.58	0.114		
		12	6	20.56	0.114			
		12	13	20.56	0.114			
		25	0	20.52	0.113			
		1	0	20.90	0.123			
		1	12	20.85	0.122			
		1	24	20.61	0.115			
		12	0	19.57	0.091			
		12	6	19.53	0.090			
		12	13	19.52	0.090			
		25	0	19.51	0.089			
		1	0	21.05	0.127			
		1	12	20.90	0.123			
		1	24	20.82	0.121			
		12	0	19.70	0.093			
		12	6	19.61	0.091			
		12	13	19.60	0.091			
		25	0	19.58	0.091			
		1	0	21.07	0.128			
1	12	20.88	0.122					
1	24	20.79	0.120					
12	0	19.71	0.094					
12	6	19.71	0.094					
12	13	19.70	0.093					
25	0	19.59	0.091					

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 7	10 MHz	QPSK	20800	2505.0	1	0	21.60	0.145
					1	24	21.46	0.140
					1	49	21.36	0.137
					25	0	20.46	0.111
					25	12	20.40	0.110
					25	25	20.39	0.109
			50	0	20.34	0.108		
			1	0	21.73	0.149		
			1	24	21.49	0.141		
			1	49	21.47	0.140		
			25	0	20.61	0.115		
			25	12	20.55	0.114		
			25	25	20.52	0.113		
			50	0	20.42	0.110		
			1	0	21.48	0.141		
			1	24	21.44	0.139		
			1	49	21.34	0.136		
			25	0	20.50	0.112		
		25	12	20.42	0.110			
		25	25	20.38	0.109			
		50	0	20.35	0.108			
		1	0	20.92	0.124			
		1	24	20.76	0.119			
		1	49	20.62	0.115			
		25	0	19.48	0.089			
		25	12	19.41	0.087			
		25	25	19.38	0.087			
		50	0	19.37	0.086			
		1	0	21.26	0.134			
		1	24	20.72	0.118			
		1	49	20.65	0.116			
		25	0	19.61	0.091			
		25	12	19.52	0.090			
		25	25	19.49	0.089			
		50	0	19.42	0.087			
		1	0	20.85	0.122			
1	24	20.62	0.115					
1	49	20.54	0.113					
25	0	19.54	0.090					
25	12	19.42	0.087					
25	25	19.40	0.087					
50	0	19.32	0.086					

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 7	15 MHz	QPSK	20825	2507.5	1	0	21.61	0.145
					1	38	21.46	0.140
					1	74	21.34	0.136
					36	0	20.68	0.117
					36	18	20.66	0.116
					36	39	20.49	0.112
			75	0	20.47	0.111		
			1	0	21.56	0.143		
			1	38	21.55	0.143		
			1	74	21.38	0.137		
			36	0	20.72	0.118		
			36	18	20.67	0.117		
			36	39	20.63	0.116		
			75	0	20.60	0.115		
			1	0	21.54	0.143		
			1	38	21.33	0.136		
			1	74	21.26	0.134		
			36	0	20.55	0.114		
		36	18	20.51	0.112			
		36	39	20.41	0.110			
		75	0	20.39	0.109			
		1	0	21.06	0.128			
		1	38	21.01	0.126			
		1	74	20.63	0.116			
		36	0	19.68	0.093			
		36	18	19.66	0.092			
		36	39	19.55	0.090			
		75	0	19.46	0.088			
		1	0	20.80	0.120			
		1	38	20.77	0.119			
		1	74	20.53	0.113			
		36	0	19.68	0.093			
		36	18	19.65	0.092			
		36	39	19.63	0.092			
		75	0	19.58	0.091			
		1	0	20.78	0.120			
1	38	20.52	0.113					
1	74	20.48	0.112					
36	0	19.53	0.090					
36	18	19.52	0.090					
36	39	19.48	0.089					
75	0	19.43	0.088					

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 7	20 MHz	QPSK	20850	2510.0	1	0	21.69	0.148
					1	49	21.61	0.145
					1	99	21.20	0.132
					50	0	20.59	0.115
					50	25	20.58	0.114
					50	50	20.47	0.111
			100	0	20.45	0.111		
			21100	2535.0	1	0	21.52	0.142
					1	49	21.50	0.141
					1	99	21.30	0.135
					50	0	20.69	0.117
					50	25	20.66	0.116
					50	50	20.65	0.116
			100	0	20.56	0.114		
			21350	2560.0	1	0	21.41	0.138
					1	49	21.38	0.137
					1	99	21.08	0.128
					50	0	20.57	0.114
		50			25	20.49	0.112	
		50			50	20.44	0.111	
		100	0	20.30	0.107			
		16QAM	20850	2510.0	1	0	20.95	0.124
					1	49	20.85	0.122
					1	99	20.39	0.109
					50	0	19.52	0.090
					50	25	19.50	0.089
					50	50	19.48	0.089
			100	0	19.33	0.086		
			21100	2535.0	1	0	20.95	0.124
					1	49	20.74	0.119
					1	99	20.54	0.113
					50	0	19.70	0.093
					50	25	19.68	0.093
					50	50	19.60	0.091
			100	0	19.56	0.090		
			21350	2560.0	1	0	20.73	0.118
					1	49	20.69	0.117
					1	99	20.38	0.109
					50	0	19.53	0.090
		50			25	19.49	0.089	
		50			50	19.47	0.089	
		100	0	19.32	0.086			

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 13	5 MHz	QPSK	23205	779.5	1	0	23.07	0.203
					1	12	22.86	0.193
					1	24	22.59	0.182
					12	0	21.38	0.137
					12	6	21.27	0.134
					12	13	21.22	0.132
			25	0	21.17	0.131		
			1	0	23.05	0.202		
			1	12	22.87	0.194		
			1	24	22.66	0.185		
			12	0	21.25	0.133		
			12	6	21.22	0.132		
			12	13	21.21	0.132		
			25	0	21.11	0.129		
			1	0	23.03	0.201		
			1	12	22.75	0.188		
			1	24	22.74	0.188		
			12	0	21.45	0.140		
		12	6	21.43	0.139			
		12	13	21.30	0.135			
		25	0	21.25	0.133			
		1	0	22.19	0.166			
		1	12	22.13	0.163			
		1	24	21.90	0.155			
		12	0	20.49	0.112			
		12	6	20.34	0.108			
		12	13	20.31	0.107			
		25	0	20.13	0.103			
		1	0	22.17	0.165			
		1	12	22.06	0.161			
		1	24	22.03	0.160			
		12	0	20.41	0.110			
		12	6	20.33	0.108			
		12	13	20.27	0.106			
		25	0	20.09	0.102			
		1	0	22.23	0.167			
		1	12	22.01	0.159			
		1	24	21.94	0.156			
		12	0	20.68	0.117			
		12	6	20.47	0.111			
		12	13	20.44	0.111			
		25	0	20.37	0.109			

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 13	10 MHz	QPSK	23230	782.0	1	0	23.03	0.201
					1	24	22.92	0.196
					1	49	22.84	0.192
					25	0	22.83	0.192
					25	12	22.79	0.190
					25	25	22.72	0.187
					50	0	22.70	0.186
		16QAM	23230	782.0	1	0	22.34	0.171
					1	24	22.08	0.161
					1	49	22.06	0.161
					25	0	21.96	0.157
					25	12	21.92	0.156
					25	25	21.89	0.155
					50	0	21.84	0.153

3 Effective Radiated Power / Equivalent Isotropic Radiated Power Test

3.1. Limit

For FCC Part 27: The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 1 Watts.

For FCC Part 27.50(b)(9): Control stations and mobile stations transmitting in the 746-757 MHz, and 776-788 MHz bands are limited to 30 watts ERP.

For FCC Part 27.50(h)(2): Mobile stations are limited to 2.0 watts EIRP.

For FCC Part 22.913(a)(2): The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

For FCC Part 24.232(b): The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 2 Watts.

3.2. Test Instruments

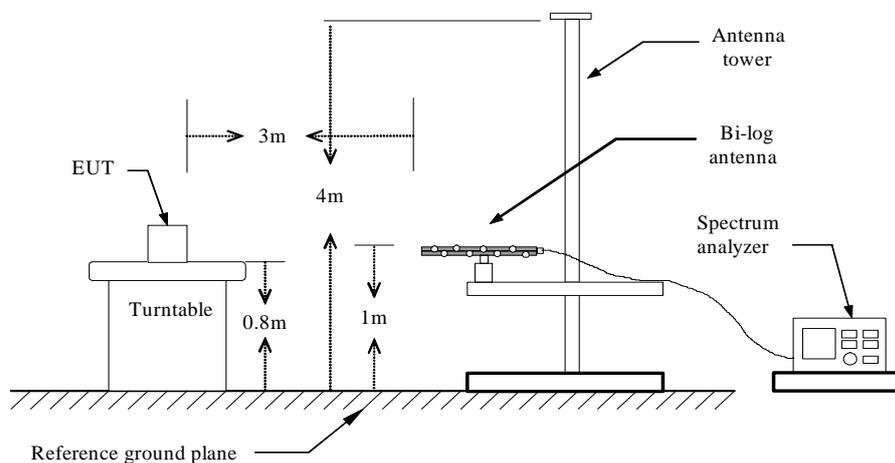
3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/06/2015	(1)
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/06/2015	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/24/2015	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/24/2015	(1)
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	07/22/2014	(1)
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/11/2014	(1)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	07/02/2014	(1)
Test Site	ATL	TE01	888001	08/28/2014	(1)

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

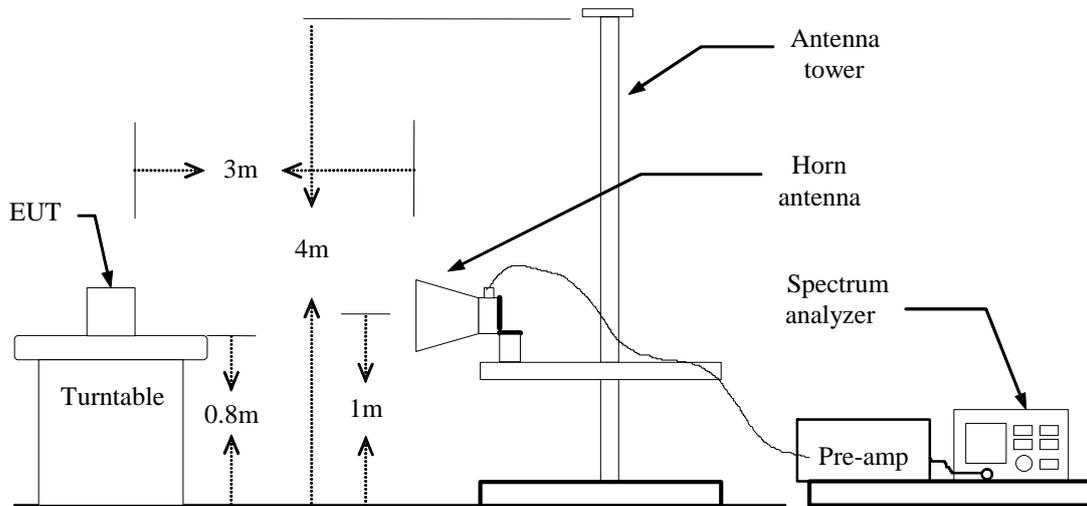
Note: N.C.R. = No Calibration Request.

3.3. Test Setup

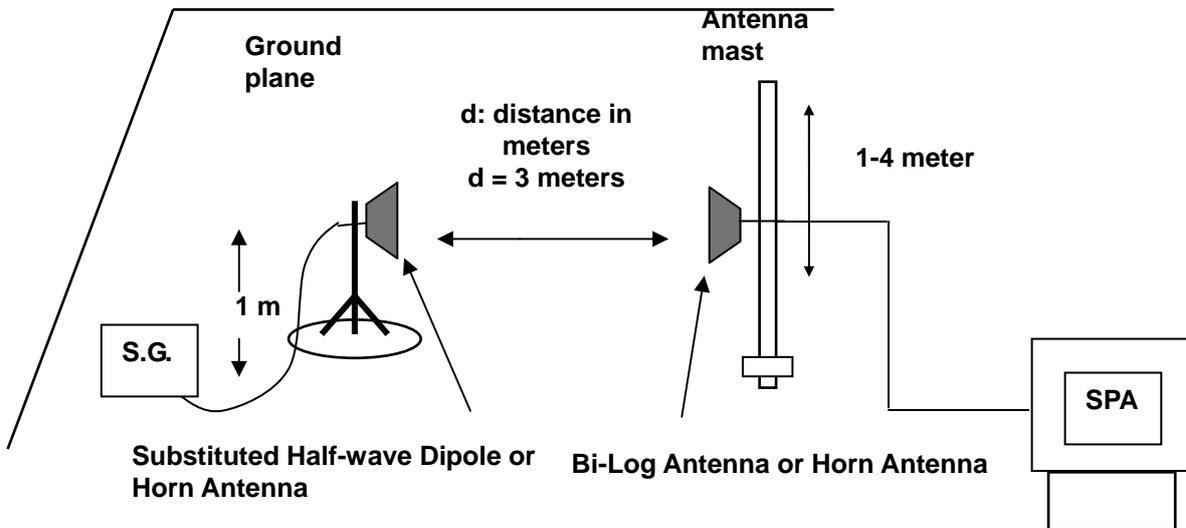
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



3.4. Test Procedure

- a. The EUT was set up for the maximum power with LTE link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range). RWB and VBW is 1MHz for LTE and 5MHz for WCDMA mode.
- b. E.I.R.P power measurement. In the semi-anechoic chamber, EUT placed on the 0.8m 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 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G.
- d. E.I.R.P. = Output power level of S.G - TX cable loss + Antenna gain of substitution horn
- e. E.R.P. = E.I.R.P- 2.15 dB

3.5. Uncertainty

The measurement uncertainty is defined as for Field Strength of Spurious Radiation measurement is ± 3.072 dB.

3.6. Test Result

Model Number	AC791L		
Test Item	E.I.R.P. / E.R.P.		
Date of Test	05/11/2015 ~ 05/12/2015	Test Site	TC03

LTE Band 2								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
1.4 M	QPSK	1850.7	H	9.28	10.81	20.09	0.102	< 2
			V	11.81	10.81	22.62	0.183	< 2
		1880.0	H	8.92	11.01	19.93	0.098	< 2
			V	11.26	11.01	22.27	0.169	< 2
		1909.3	H	9.52	11.21	20.73	0.118	< 2
			V	11.29	11.21	22.50	0.178	< 2
	16QAM	1880.0	H	7.86	11.01	18.87	0.077	< 2
			V	10.12	11.01	21.13	0.130	< 2
3 MHz	QPSK	1851.5	H	9.40	10.81	20.21	0.105	< 2
			V	11.65	10.81	22.46	0.176	< 2
		1880.0	H	9.42	11.00	20.42	0.110	< 2
			V	11.10	11.00	22.10	0.162	< 2
		1908.5	H	9.07	11.20	20.27	0.106	< 2
			V	10.91	11.20	22.11	0.163	< 2
	16QAM	1880.0	H	8.29	11.00	19.29	0.085	< 2
			V	9.62	11.01	20.63	0.116	< 2
5 MHz	QPSK	1852.5	H	9.76	10.81	20.57	0.114	< 2
			V	11.41	10.81	22.22	0.167	< 2
		1880.0	H	9.61	11.00	20.61	0.115	< 2
			V	11.26	11.00	22.26	0.168	< 2
		1907.5	H	9.38	11.19	20.57	0.114	< 2
			V	11.05	11.19	22.24	0.167	< 2
	16QAM	1880.0	H	8.55	11.00	19.55	0.090	< 2
			V	10.15	11.00	21.15	0.130	< 2

LTE Band 2								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
10 M	QPSK	1855.0	H	9.89	10.81	20.70	0.117	< 2
			V	11.55	10.81	22.36	0.172	< 2
		1880.0	H	9.84	10.99	20.83	0.121	< 2
			V	11.18	10.99	22.17	0.165	< 2
		1905.0	H	9.47	11.15	20.62	0.115	< 2
			V	11.19	11.16	22.35	0.172	< 2
	16QAM	1880.0	H	8.79	10.99	19.78	0.095	< 2
			V	10.40	10.99	21.39	0.138	< 2
15 MHz	QPSK	1857.5	H	9.72	10.82	20.54	0.113	< 2
			V	11.66	10.82	22.48	0.177	< 2
		1880.0	H	9.88	10.96	20.84	0.121	< 2
			V	11.37	10.96	22.33	0.171	< 2
		1902.5	H	9.24	11.12	20.36	0.109	< 2
			V	11.02	11.12	22.14	0.164	< 2
	16QAM	1880.0	H	8.84	10.96	19.80	0.095	< 2
			V	10.06	10.96	21.02	0.126	< 2
20 MHz	QPSK	1860.0	H	9.50	10.82	20.32	0.108	< 2
			V	11.42	10.82	22.24	0.167	< 2
		1880.0	H	9.46	10.95	20.41	0.110	< 2
			V	11.61	10.94	22.55	0.180	< 2
		1900.0	H	9.07	11.09	20.16	0.104	< 2
			V	11.23	11.09	22.32	0.171	< 2
	16QAM	1880.0	H	8.22	10.94	19.16	0.082	< 2
			V	9.65	10.94	20.59	0.115	< 2

LTE Band 4								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
1.4 M	QPSK	1710.7	H	10.48	9.83	20.31	0.107	< 1
			V	12.61	9.83	22.44	0.175	< 1
		1732.5	H	11.09	9.99	21.08	0.128	< 1
			V	12.48	9.99	22.47	0.177	< 1
		1754.3	H	10.80	10.14	20.94	0.124	< 1
			V	12.54	10.14	22.68	0.185	< 1
16QAM	1732.5	H	9.94	9.99	19.93	0.098	< 1	
		V	11.12	9.99	21.11	0.129	< 1	
3 MHz	QPSK	1711.5	H	11.04	9.83	20.87	0.122	< 1
			V	12.68	9.83	22.51	0.178	< 1
		1732.5	H	10.45	9.98	20.43	0.110	< 1
			V	12.27	9.98	22.25	0.168	< 1
		1753.5	H	10.18	10.12	20.30	0.107	< 1
			V	12.27	10.12	22.39	0.173	< 1
16QAM	1732.5	H	9.26	9.98	19.24	0.084	< 1	
		V	11.16	9.98	21.14	0.130	< 1	
5 MHz	QPSK	1712.5	H	10.51	9.83	20.34	0.108	< 1
			V	12.45	9.83	22.28	0.169	< 1
		1732.5	H	10.37	9.99	20.36	0.109	< 1
			V	12.13	9.99	22.12	0.163	< 1
		1752.5	H	10.42	10.11	20.53	0.113	< 1
			V	12.26	10.11	22.37	0.173	< 1
16QAM	1732.5	H	9.30	9.99	19.29	0.085	< 1	
		V	11.08	9.99	21.07	0.128	< 1	
10 M	QPSK	1715.0	H	11.04	9.83	20.87	0.122	< 1
			V	12.64	9.83	22.47	0.177	< 1
		1732.5	H	10.33	9.96	20.29	0.107	< 1
			V	12.39	9.96	22.35	0.172	< 1
		1750.0	H	10.57	10.07	20.64	0.116	< 1
			V	12.23	10.08	22.31	0.170	< 1
16QAM	1732.5	H	9.21	9.96	19.17	0.083	< 1	
		V	11.07	9.96	21.03	0.127	< 1	
15 MHz	QPSK	1717.5	H	10.59	9.83	20.42	0.110	< 1
			V	12.48	9.83	22.31	0.170	< 1
		1732.5	H	10.26	9.94	20.20	0.105	< 1
			V	12.18	9.94	22.12	0.163	< 1
		1747.5	H	9.63	10.06	19.69	0.093	< 1
			V	12.04	10.06	22.10	0.162	< 1
16QAM	1732.5	H	9.20	9.94	19.14	0.082	< 1	
		V	11.15	9.94	21.09	0.129	< 1	
20 MHz	QPSK	1720.0	H	10.33	9.84	20.17	0.104	< 1
			V	12.34	9.84	22.18	0.165	< 1
		1732.5	H	9.69	9.92	19.61	0.091	< 1
			V	12.15	9.92	22.07	0.161	< 1
		1745.0	H	10.05	10.01	20.06	0.101	< 1
			V	12.27	10.01	22.28	0.169	< 1
16QAM	1732.5	H	8.64	9.93	18.57	0.072	< 1	
		V	11.03	9.92	20.95	0.124	< 1	

LTE Band 5								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.R.P.		Limit (W)
						(dBm)	(W)	
1.4 M	QPSK	824.7	H	9.21	11.70	20.91	0.123	< 7
			V	11.04	11.70	22.74	0.188	< 7
		836.5	H	9.12	11.72	20.84	0.121	< 7
			V	10.74	11.72	22.46	0.176	< 7
		848.3	H	9.01	11.79	20.80	0.120	< 7
			V	10.84	11.79	22.63	0.183	< 7
16QAM	836.5	H	7.84	11.72	19.56	0.090	< 7	
		V	9.48	11.72	21.20	0.132	< 7	
3 MHz	QPSK	825.5	H	8.81	11.70	20.51	0.112	< 7
			V	10.83	11.70	22.53	0.179	< 7
		836.5	H	8.54	11.71	20.25	0.106	< 7
			V	10.84	11.71	22.55	0.180	< 7
		847.5	H	9.02	11.78	20.80	0.120	< 7
			V	10.45	11.78	22.23	0.167	< 7
16QAM	836.5	H	7.48	11.71	19.19	0.083	< 7	
		V	9.67	11.71	21.38	0.137	< 7	
5 MHz	QPSK	826.5	H	8.76	11.70	20.46	0.111	< 7
			V	10.72	11.70	22.42	0.175	< 7
		836.5	H	8.52	11.72	20.24	0.106	< 7
			V	10.69	11.72	22.41	0.174	< 7
		846.5	H	8.51	11.76	20.27	0.106	< 7
			V	10.73	11.76	22.49	0.177	< 7
16QAM	836.5	H	7.44	11.72	19.16	0.082	< 7	
		V	9.65	11.72	21.37	0.137	< 7	
10 M	QPSK	829.0	H	8.58	11.70	20.28	0.107	< 7
			V	10.50	11.70	22.20	0.166	< 7
		836.5	H	8.68	11.70	20.38	0.109	< 7
			V	10.61	11.70	22.31	0.170	< 7
		844.0	H	8.44	11.73	20.17	0.104	< 7
			V	10.51	11.73	22.24	0.167	< 7
16QAM	836.5	H	7.59	11.71	19.30	0.085	< 7	
		V	9.51	11.70	21.21	0.132	< 7	

LTE Band 7								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
5 M	QPSK	2502.5	H	6.50	12.59	19.09	0.081	< 2
			V	8.75	12.59	21.34	0.136	< 2
		2535.0	H	7.58	12.69	20.27	0.106	< 2
			V	9.04	12.69	21.73	0.149	< 2
		2567.5	H	6.79	12.78	19.57	0.091	< 2
			V	8.52	12.78	21.30	0.135	< 2
	16QAM	2535.0	H	6.52	12.69	19.21	0.083	< 2
			V	7.97	12.69	20.66	0.116	< 2
10 MHz	QPSK	2502.5	H	6.58	12.59	19.17	0.083	< 2
			V	8.75	12.59	21.34	0.136	< 2
		2535.0	H	6.84	12.68	19.52	0.090	< 2
			V	8.56	12.68	21.24	0.133	< 2
		2567.5	H	6.92	12.78	19.70	0.093	< 2
			V	8.66	12.78	21.44	0.139	< 2
	16QAM	2535.0	H	5.75	12.68	18.43	0.070	< 2
			V	7.51	12.68	20.19	0.104	< 2
15 MHz	QPSK	2502.5	H	6.71	12.59	19.30	0.085	< 2
			V	8.68	12.59	21.27	0.134	< 2
		2535.0	H	6.50	12.68	19.18	0.083	< 2
			V	8.57	12.68	21.25	0.133	< 2
		2567.5	H	6.64	12.76	19.40	0.087	< 2
			V	8.68	12.76	21.44	0.139	< 2
	16QAM	2535.0	H	5.48	12.68	18.16	0.065	< 2
			V	7.51	12.68	20.19	0.104	< 2
20 M	QPSK	2502.5	H	6.61	12.59	19.20	0.083	< 2
			V	8.65	12.59	21.24	0.133	< 2
		2535.0	H	6.60	12.68	19.28	0.085	< 2
			V	8.45	12.67	21.12	0.129	< 2
		2567.5	H	6.96	12.75	19.71	0.094	< 2
			V	8.65	12.74	21.39	0.138	< 2
	16QAM	2535.0	H	5.55	12.68	18.23	0.067	< 2
			V	7.41	12.68	20.09	0.102	< 2

LTE Band 13								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.R.P.		Limit (W)
						(dBm)	(W)	
5 M	QPSK	779.5	H	8.29	12.03	20.32	0.108	< 30
			V	10.39	12.02	22.41	0.174	< 30
		782.0	H	8.23	12.05	20.28	0.107	< 30
			V	10.40	12.05	22.45	0.176	< 30
		784.5	H	8.57	12.08	20.65	0.116	< 30
			V	10.31	12.08	22.39	0.173	< 30
	16QAM	782.0	H	7.25	12.05	19.30	0.085	< 30
			V	9.17	12.05	21.22	0.132	< 30
10 MHz	QPSK	782.0	H	8.70	12.04	20.74	0.119	< 30
			V	10.29	12.03	22.32	0.171	< 30
	16QAM	782.0	H	7.14	12.03	19.17	0.083	< 30
			V	9.23	12.04	21.27	0.134	< 30

4 Frequency Stability Test

4.1. Limit

According to the FCC rule shall be tested the frequency stability. The rule is defined that" The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation. The test extreme voltage is according to the 2.1055(d)(1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment and the extreme temperature rule is comply with the 2.1055(a)(1) -30°C ~ 50°C.

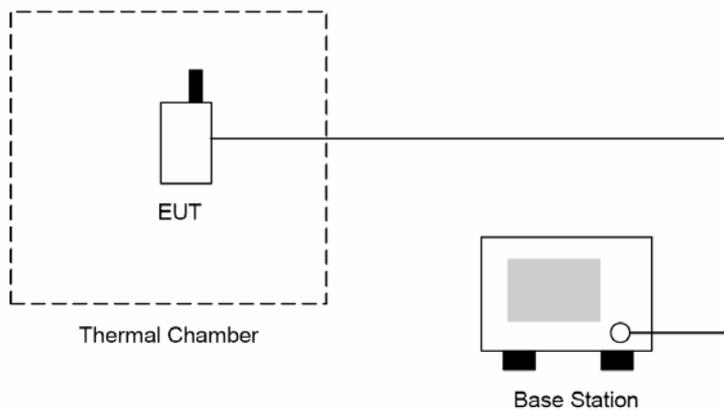
4.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Wideband Radio Communication Test	R & S	CMW500	103168	11/05/2014	(1)
Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	08/14/2014	(1)
Test Site	ATL	TE05	TE05	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

4.3. Setup



4.4. Test Procedure

The measurement is made according to FCC rules:

1. The EUT and test equipment were set up as shown on the following section.
2. With all power removed, the temperature was decreased to -30°C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was note within one minute.
3. With power OFF, the temperature was raised in 10°C steps. The sample was permitted to stabilize at each step for at least one-half hour. Power was applied and the maximum frequency change was noted within one minute.
4. The EUT was placed in a temperature chamber at $25 \pm 5^{\circ}\text{C}$ and connected as the following section.
5. The power supply voltage to the EUT was varied from BEP to 115% of the nominal value measured at the input to the EUT.
6. The temperature tests were performed for the worst case.
7. Test data was recorded.

4.5. Uncertainty

The measurement uncertainty is defined as for Frequency Stability measurement is $\pm 10\text{Hz}$.

4.6. Test Result

Model Number	AC791L		
Test Item	Frequency Stability		
Date of Test	05/14/2015	Test Site	TE05

LTE Band 2 _ QPSK						
Voltage						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	1880.0	4.35	20	-5.30	-0.003	± 2.5
		3.80	20	-1.44	-0.001	± 2.5
		3.50	20	-12.32	-0.007	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	1880.0	3.80	0	0.98	0.001	± 2.5
		3.80	10	-7.97	-0.004	± 2.5
		3.80	20	-0.83	0.000	± 2.5
		3.80	30	4.82	0.003	± 2.5
		3.80	40	-0.11	0.000	± 2.5
		3.80	50	-8.21	-0.004	± 2.5

LTE Band 4 _ QPSK						
Voltage						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	1732.5	4.35	20	-3.72	-0.002	± 2.5
		3.80	20	0.12	0.000	± 2.5
		3.50	20	-7.53	-0.004	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	1732.5	3.80	0	-3.24	-0.002	± 2.5
		3.80	10	-10.77	-0.006	± 2.5
		3.80	20	-4.03	-0.002	± 2.5
		3.80	30	0.56	0.000	± 2.5
		3.80	40	-0.50	0.000	± 2.5
		3.80	50	-7.11	-0.004	± 2.5

Note: The device temperature only supports 0°C ~ 50°C.

LTE Band 5 _ QPSK						
Voltage						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
10 MHz	836.5	4.35	20	-3.56	-0.004	± 2.5
		3.80	20	2.13	0.003	± 2.5
		3.50	20	-8.36	-0.010	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
10 MHz	836.5	3.80	0	6.24	0.007	± 2.5
		3.80	10	-20.50	-0.025	± 2.5
		3.80	20	-2.84	-0.003	± 2.5
		3.80	30	-3.00	-0.004	± 2.5
		3.80	40	-1.76	-0.002	± 2.5
		3.80	50	-3.10	-0.004	± 2.5

LTE Band 7 _ QPSK						
Voltage						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	2535.0	4.35	20	-17.08	-0.007	± 2.5
		3.80	20	-0.69	0.000	± 2.5
		3.50	20	-13.05	-0.005	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	2535.0	3.80	0	1.91	0.001	± 2.5
		3.80	10	-9.24	-0.004	± 2.5
		3.80	20	12.87	0.005	± 2.5
		3.80	30	-4.53	-0.002	± 2.5
		3.80	40	-2.29	-0.001	± 2.5
		3.80	50	6.33	0.002	± 2.5

Note: The device temperature only supports 0°C ~ 50°C.

LTE Band 13 _ QPSK						
Voltage						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
10 MHz	782.0	4.35	20	-4.19	-0.005	± 2.5
		3.80	20	7.88	0.010	± 2.5
		3.50	20	-5.81	-0.007	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
10 MHz	782.0	3.80	0	-4.47	-0.006	± 2.5
		3.80	10	-20.30	-0.026	± 2.5
		3.80	20	5.40	0.007	± 2.5
		3.80	30	-3.41	-0.004	± 2.5
		3.80	40	-5.33	-0.007	± 2.5
		3.80	50	6.44	0.008	± 2.5

Note: The device temperature only supports 0°C ~ 50°C.

5 Emission Bandwidth & Occupied Bandwidth Test

5.1. Limit

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 %of the total mean power of a given emission.

The emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

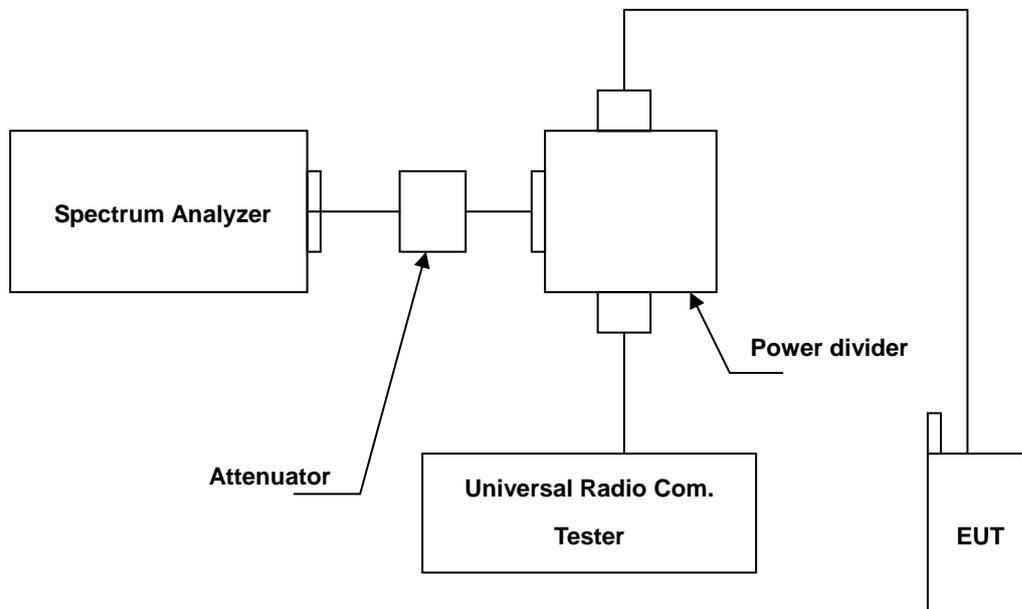
5.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/14/2015	(1)
Wideband Radio Communication Test	R & S	CMW500	103168	11/05/2014	(1)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

5.3. Setup



5.4. Test Procedure

The measurement is made according to FCC rules:

- a. The EUT makes a phone call to the communication simulator. The power was measured with R&S Spectrum Analyzer. All measurements were done at 3 channels. (low, middle and high operational frequency range.)
- b. The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- c. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

5.5. Uncertainty

The measurement uncertainty is defined as $\pm 10\text{Hz}$

5.6. Test Result

Model Number	AC791L		
Test Item	Emission Bandwidth & Occupied Bandwidth		
Date of Test	04/29/2015	Test Site	TE05

LTE Band 2				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	1850.7	1.217	1.0787
		1880.0	1.210	1.0739
		1909.3	1.241	1.0803
	3 MHz	1851.5	2.933	2.6837
		1880.0	2.924	2.6990
		1908.5	2.966	2.6864
	5 MHz	1852.5	4.836	4.4738
		1880.0	4.848	4.4571
		1907.5	4.846	4.4629
	10 MHz	1855.0	9.662	8.9385
		1880.0	9.582	8.9355
		1905.0	9.505	8.9323
	15 MHz	1857.5	14.475	13.4155
		1880.0	14.193	13.4290
		1902.5	14.339	13.4276
	20 MHz	1860.0	18.948	17.8586
		1880.0	19.126	17.8806
		1900.0	19.104	17.9070
16QAM	1.4 MHz	1850.7	1.215	1.0790
		1880.0	1.208	1.0733
		1909.3	1.223	1.0803
	3 MHz	1851.5	2.934	2.6801
		1880.0	2.949	2.6969
		1908.5	2.975	2.6846
	5 MHz	1852.5	4.832	4.4713
		1880.0	4.875	4.4604
		1907.5	4.791	4.4638
	10 MHz	1855.0	9.616	8.9449
		1880.0	9.577	8.9388
		1905.0	9.509	8.9269
	15 MHz	1857.5	14.453	13.4044
		1880.0	14.252	13.4195
		1902.5	14.533	13.4153
	20 MHz	1860.0	18.922	17.8571
		1880.0	19.136	17.8830
		1900.0	19.100	17.9137

LTE Band 4				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	1710.7	1.209	1.0707
		1732.5	1.202	1.0811
		1754.3	1.211	1.0757
	3 MHz	1711.5	2.907	2.6812
		1732.5	2.937	2.6937
		1753.5	2.944	2.6859
	5 MHz	1712.5	4.882	4.4584
		1732.5	4.897	4.4661
		1752.5	4.850	4.4545
	10 MHz	1715.0	9.659	8.9367
		1732.5	9.681	8.9463
		1750.0	9.681	8.9518
	15 MHz	1717.5	14.325	13.4053
		1732.5	14.542	13.4299
		1747.5	14.500	13.4123
	20 MHz	1720.0	19.108	17.8594
		1732.5	19.107	17.8849
		1745.0	19.099	17.8258
16QAM	1.4 MHz	1710.7	1.209	1.0714
		1732.5	1.202	1.0810
		1754.3	1.209	1.0763
	3 MHz	1711.5	2.906	2.6806
		1732.5	2.941	2.6933
		1753.5	2.944	2.6862
	5 MHz	1712.5	4.881	4.4585
		1732.5	4.876	4.4795
		1752.5	4.852	4.4503
	10 MHz	1715.0	9.659	8.9368
		1732.5	9.682	8.9514
		1750.0	9.616	8.9474
	15 MHz	1717.5	14.350	13.4047
		1732.5	14.518	13.4118
		1747.5	14.440	13.4202
	20 MHz	1720.0	19.108	17.8521
		1732.5	19.062	17.8927
		1745.0	18.897	17.8269

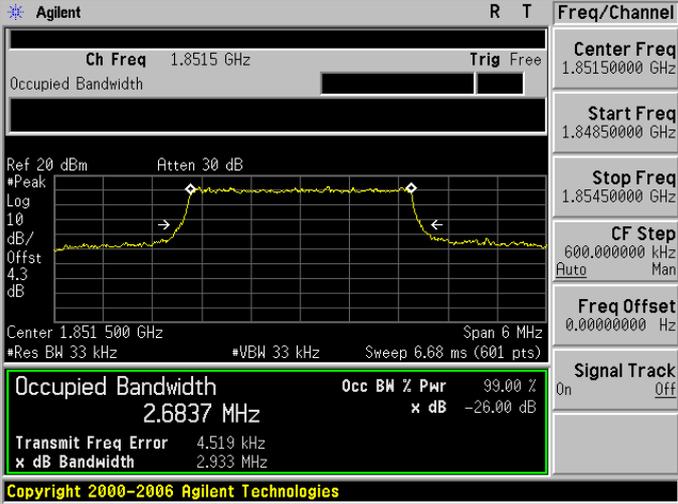
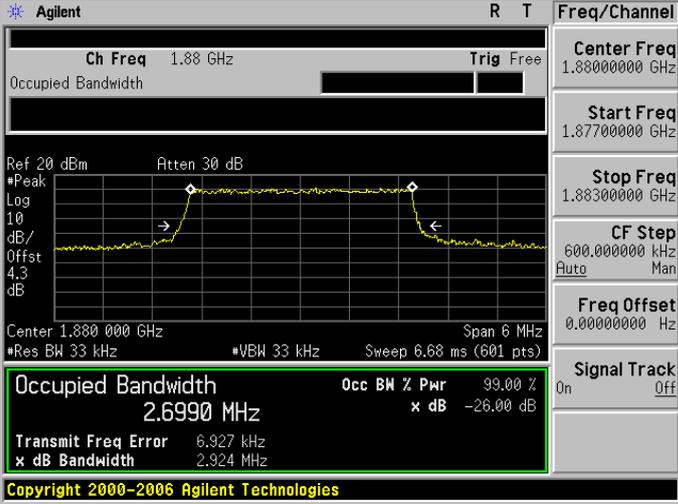
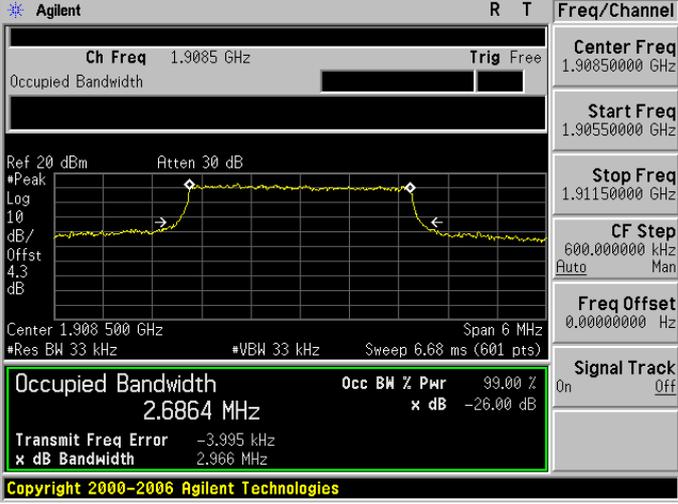
LTE Band 5				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	824.7	1.208	1.0789
		836.5	1.198	1.0741
		848.3	1.205	1.0766
	3 MHz	825.5	2.920	2.6785
		836.5	2.905	2.6802
		847.5	2.950	2.6843
	5 MHz	826.5	4.842	4.4726
		836.5	4.867	4.4576
		846.5	4.833	4.4768
	10 MHz	829.0	9.578	8.9407
		836.5	9.533	8.9757
		844.0	9.629	8.9293
16QAM	1.4 MHz	824.7	1.211	1.0789
		836.5	1.199	1.0765
		848.3	1.205	1.0772
	3 MHz	825.5	2.920	2.6781
		836.5	2.921	2.6829
		847.5	2.936	2.6836
	5 MHz	826.5	4.841	4.4704
		836.5	4.871	4.4643
		846.5	4.832	4.4787
	10 MHz	829.0	9.565	8.9466
		836.5	9.676	8.9708
		844.0	9.629	8.9374

LTE Band 7				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	5 MHz	2502.5	4.823	4.4625
		2535.0	4.898	4.4828
		2567.5	4.994	4.4669
	10 MHz	2505.0	9.683	8.9610
		2535.0	9.689	8.9604
		2565.0	10.207	8.9781
	15 MHz	2507.5	14.515	13.4289
		2535.0	14.513	13.4616
		2562.5	14.433	13.4330
	20 MHz	2510.0	19.095	17.8621
		2535.0	19.065	17.8971
		2560.0	19.143	17.8855
16QAM	5 MHz	2502.5	4.833	4.4580
		2535.0	4.898	4.4805
		2567.5	4.993	4.4692
	10 MHz	2505.0	9.615	8.9603
		2535.0	9.721	8.9614
		2565.0	10.644	8.9642
	15 MHz	2507.5	14.402	13.4189
		2535.0	14.584	13.4572
		2562.5	14.388	13.4305
	20 MHz	2510.0	19.094	17.8662
		2535.0	19.049	17.9323
		2560.0	19.049	17.8464

LTE Band 13					
Modulation	Channel Bandwidth	Frequency (MHz)	-26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)	
QPSK	5 MHz	779.5	4.858	4.4847	
		782.0	4.834	4.4634	
		784.5	4.866	4.4590	
16QAM		779.5	4.903	4.4703	
		782.0	4.834	4.4618	
		784.5	4.834	4.4575	
QPSK		10 MHz	782.0	9.562	8.9169
16QAM			782.0	9.587	8.9116

5.7. Test Graphs

LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1850.7 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.8507 GHz Trig Free</p> <p>Center Freq 1.8507000 GHz</p> <p>Start Freq 1.8492000 GHz</p> <p>Stop Freq 1.8522000 GHz</p> <p>CF Step 300.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.850 700 GHz Span 3 MHz</p> <p>#Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0787 MHz</p> <p>Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 1.909 kHz</p> <p>x dB Bandwidth 1.217 MHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>
1880.0 MHz	<p>Agilent T Freq/Channel</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center Freq 1.8800000 GHz</p> <p>Start Freq 1.8785000 GHz</p> <p>Stop Freq 1.8815000 GHz</p> <p>CF Step 300.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.880 000 GHz Span 3 MHz</p> <p>#Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0739 MHz</p> <p>Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 2.292 kHz</p> <p>x dB Bandwidth 1.210 MHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>
1909.3 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.9093 GHz Trig Free</p> <p>Center Freq 1.9093000 GHz</p> <p>Start Freq 1.9078000 GHz</p> <p>Stop Freq 1.9108000 GHz</p> <p>CF Step 300.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.909 300 GHz Span 3 MHz</p> <p>#Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0803 MHz</p> <p>Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -3.183 kHz</p> <p>x dB Bandwidth 1.241 MHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>

LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK	
1851.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.8515 GHz Trig Free</p> <p>Center Freq 1.85150000 GHz</p> <p>Start Freq 1.84850000 GHz</p> <p>Stop Freq 1.85450000 GHz</p> <p>CF Step 600.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.851 500 GHz Span 6 MHz</p> <p>Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6837 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB Bandwidth 2.933 MHz x dB -26.00 dB</p> <p>Transmit Freq Error 4.519 kHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1880.0 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center Freq 1.88000000 GHz</p> <p>Start Freq 1.87700000 GHz</p> <p>Stop Freq 1.88300000 GHz</p> <p>CF Step 600.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.880 000 GHz Span 6 MHz</p> <p>Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6990 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB Bandwidth 2.924 MHz x dB -26.00 dB</p> <p>Transmit Freq Error 6.927 kHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1908.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.9085 GHz Trig Free</p> <p>Center Freq 1.90850000 GHz</p> <p>Start Freq 1.90550000 GHz</p> <p>Stop Freq 1.91150000 GHz</p> <p>CF Step 600.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.908 500 GHz Span 6 MHz</p> <p>Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6864 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB Bandwidth 2.966 MHz x dB -26.00 dB</p> <p>Transmit Freq Error -3.995 kHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK	
1852.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.8525 GHz Trig Free</p> <p>Center Freq 1.85250000 GHz</p> <p>Start Freq 1.84750000 GHz</p> <p>Stop Freq 1.85750000 GHz</p> <p>CF Step 1.00000000 MHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.852 50 GHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4738 MHz Occ BW % Pwr 99.00 %</p> <p>Transmit Freq Error 9.621 kHz x dB -26.00 dB</p> <p>x dB Bandwidth 4.836 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1880.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center Freq 1.88000000 GHz</p> <p>Start Freq 1.87500000 GHz</p> <p>Stop Freq 1.88500000 GHz</p> <p>CF Step 1.00000000 MHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.880 00 GHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4571 MHz Occ BW % Pwr 99.00 %</p> <p>Transmit Freq Error 5.755 kHz x dB -26.00 dB</p> <p>x dB Bandwidth 4.848 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1907.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.9075 GHz Trig Free</p> <p>Center Freq 1.90750000 GHz</p> <p>Start Freq 1.90250000 GHz</p> <p>Stop Freq 1.91250000 GHz</p> <p>CF Step 1.00000000 MHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.907 50 GHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4629 MHz Occ BW % Pwr 99.00 %</p> <p>Transmit Freq Error -9.288 kHz x dB -26.00 dB</p> <p>x dB Bandwidth 4.846 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK	
1855.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.855 GHz Trig Free</p> <p>Center Freq 1.85500000 GHz</p> <p>Start Freq 1.84500000 GHz</p> <p>Stop Freq 1.86500000 GHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.855 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9385 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 14.194 kHz</p> <p>x dB Bandwidth 9.662 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1880.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center Freq 1.88000000 GHz</p> <p>Start Freq 1.87000000 GHz</p> <p>Stop Freq 1.89000000 GHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.880 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9355 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 19.335 kHz</p> <p>x dB Bandwidth 9.582 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1905.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.905 GHz Trig Free</p> <p>Center Freq 1.90500000 GHz</p> <p>Start Freq 1.89500000 GHz</p> <p>Stop Freq 1.91500000 GHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.905 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9323 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -14.290 kHz</p> <p>x dB Bandwidth 9.505 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

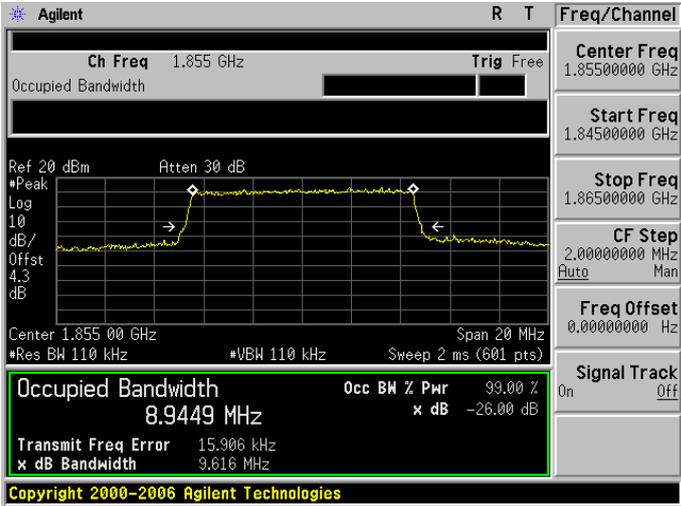
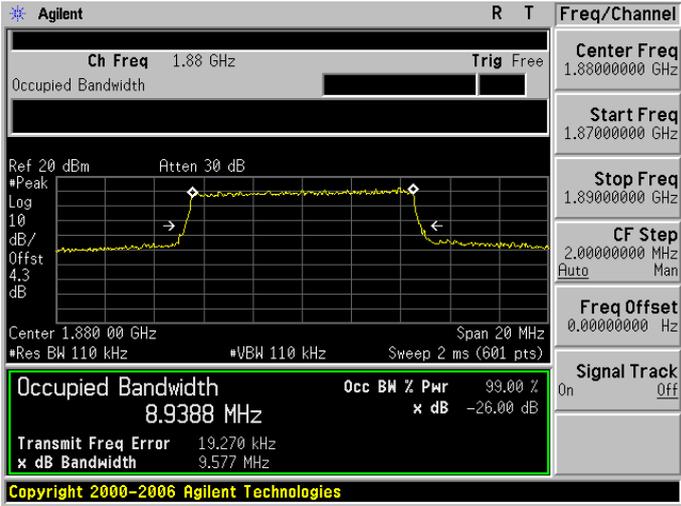
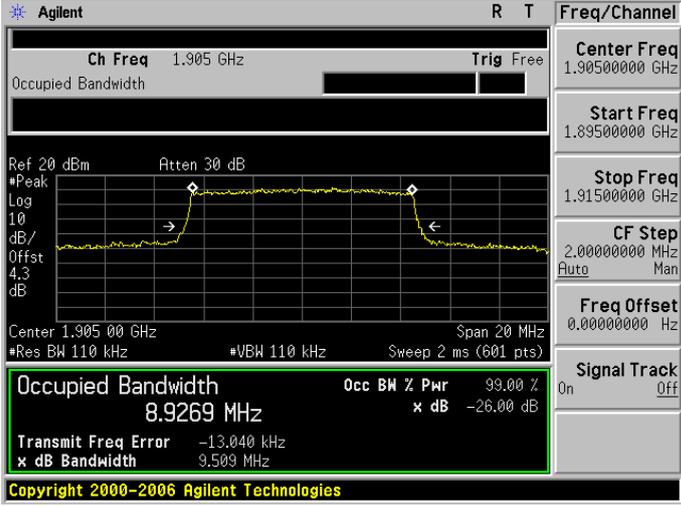
LTE Band 2 (Channel Bandwidth: 15 MHz) _ QPSK	
1857.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.8575 GHz Trig Free</p> <p>Center Freq 1.85750000 GHz</p> <p>Start Freq 1.84250000 GHz</p> <p>Stop Freq 1.87250000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.857 50 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4155 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 25.009 kHz</p> <p>x dB Bandwidth 14.475 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1880.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center Freq 1.88000000 GHz</p> <p>Start Freq 1.86500000 GHz</p> <p>Stop Freq 1.89500000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.880 00 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4290 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 26.966 kHz</p> <p>x dB Bandwidth 14.193 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1902.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.9025 GHz Trig Free</p> <p>Center Freq 1.90250000 GHz</p> <p>Start Freq 1.88750000 GHz</p> <p>Stop Freq 1.91750000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.902 50 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4276 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -11.977 kHz</p> <p>x dB Bandwidth 14.339 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 2 (Channel Bandwidth: 20 MHz) _ QPSK	
1860.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.86 GHz Trig Free</p> <p>Center 1.860 00 GHz Span 40 MHz</p> <p>Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8586 MHz</p> <p>Transmit Freq Error 14.945 kHz</p> <p>x dB Bandwidth 18.948 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1880.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center 1.880 00 GHz Span 40 MHz</p> <p>Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8806 MHz</p> <p>Transmit Freq Error 37.757 kHz</p> <p>x dB Bandwidth 19.126 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1900.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.9 GHz Trig Free</p> <p>Center 1.900 00 GHz Span 40 MHz</p> <p>Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.9070 MHz</p> <p>Transmit Freq Error -25.507 kHz</p> <p>x dB Bandwidth 19.104 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1850.7 MHz	<p>Agilent T</p> <p>Ch Freq 1.8507 GHz Trig Free</p> <p>Center 1.850 700 GHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0790 MHz</p> <p>Transmit Freq Error 1.925 kHz</p> <p>x dB Bandwidth 1.215 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2005 Agilent Technologies</p>
1880.0 MHz	<p>Agilent R T</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center 1.880 000 GHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0733 MHz</p> <p>Transmit Freq Error 3.010 kHz</p> <p>x dB Bandwidth 1.208 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2005 Agilent Technologies</p>
1909.3 MHz	<p>Agilent T</p> <p>Ch Freq 1.9093 GHz Trig Free</p> <p>Center 1.909 300 GHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0803 MHz</p> <p>Transmit Freq Error -3.404 kHz</p> <p>x dB Bandwidth 1.223 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2005 Agilent Technologies</p>

LTE Band 2 (Channel Bandwidth: 3 MHz) _ 16QAM	
1851.5 MHz	<p>Agilent T</p> <p>Ch Freq 1.8515 GHz Trig Free</p> <p>Center 1.851 500 GHz Span 6 MHz</p> <p>Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6801 MHz</p> <p>Transmit Freq Error 6.532 kHz</p> <p>x dB Bandwidth 2.934 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2005 Agilent Technologies</p>
1880.0 MHz	<p>Agilent R T</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center 1.880 000 GHz Span 6 MHz</p> <p>Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6969 MHz</p> <p>Transmit Freq Error 8.187 kHz</p> <p>x dB Bandwidth 2.949 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1908.5 MHz	<p>Agilent R T</p> <p>Ch Freq 1.9085 GHz Trig Free</p> <p>Center 1.908 500 GHz Span 6 MHz</p> <p>Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6846 MHz</p> <p>Transmit Freq Error -4.917 kHz</p> <p>x dB Bandwidth 2.975 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 2 (Channel Bandwidth: 5 MHz) _ 16QAM	
1852.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.8525 GHz Trig Free</p> <p>Center Freq 1.85250000 GHz</p> <p>Start Freq 1.84750000 GHz</p> <p>Stop Freq 1.85750000 GHz</p> <p>CF Step 1.00000000 MHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.852 50 GHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4713 MHz Occ BW % Pwr 99.00 %</p> <p>Transmit Freq Error 11.221 kHz x dB -26.00 dB</p> <p>x dB Bandwidth 4.832 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1880.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center Freq 1.88000000 GHz</p> <p>Start Freq 1.87500000 GHz</p> <p>Stop Freq 1.88500000 GHz</p> <p>CF Step 1.00000000 MHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.880 00 GHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4604 MHz Occ BW % Pwr 99.00 %</p> <p>Transmit Freq Error 6.917 kHz x dB -26.00 dB</p> <p>x dB Bandwidth 4.875 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1907.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.9075 GHz Trig Free</p> <p>Center Freq 1.90750000 GHz</p> <p>Start Freq 1.90250000 GHz</p> <p>Stop Freq 1.91250000 GHz</p> <p>CF Step 1.00000000 MHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.907 50 GHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4638 MHz Occ BW % Pwr 99.00 %</p> <p>Transmit Freq Error -8.815 kHz x dB -26.00 dB</p> <p>x dB Bandwidth 4.791 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

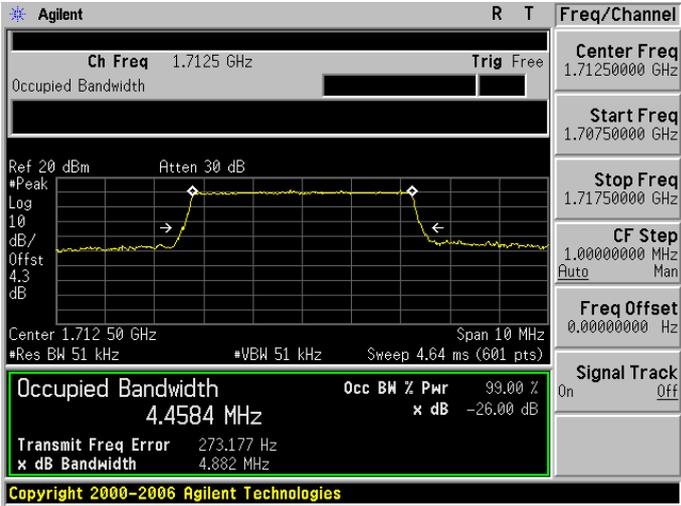
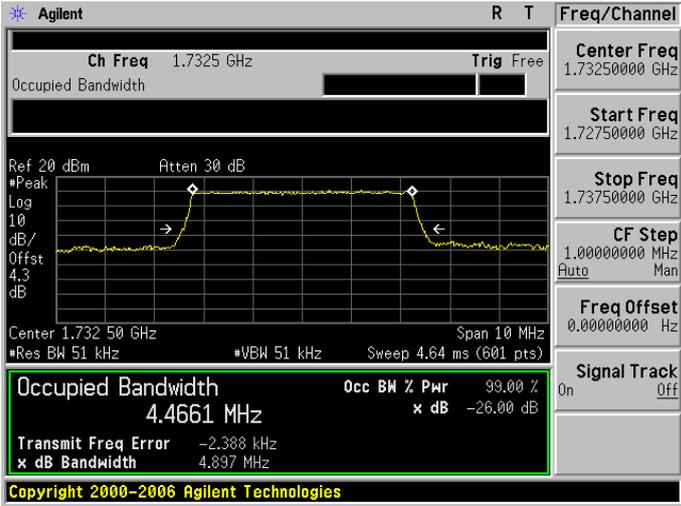
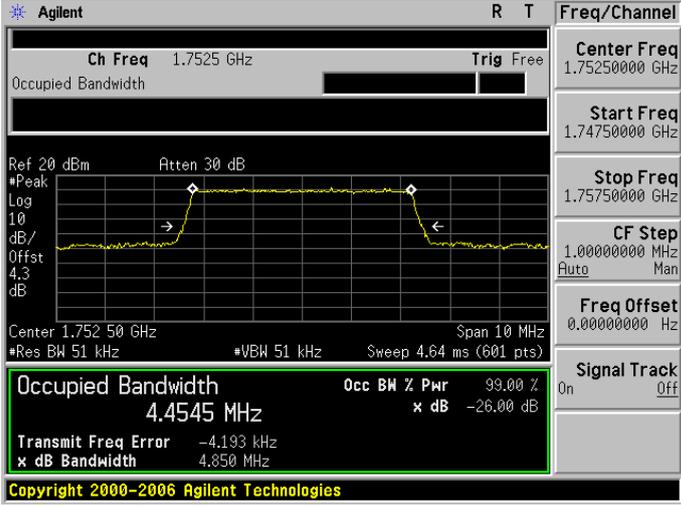
LTE Band 2 (Channel Bandwidth: 10 MHz) _ 16QAM	
1855.0 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.855 GHz Trig Free</p> <p>Center Freq 1.8550000 GHz</p> <p>Start Freq 1.8450000 GHz</p> <p>Stop Freq 1.8650000 GHz</p> <p>CF Step 2.0000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.855 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9449 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 15.906 kHz</p> <p>x dB Bandwidth 9.616 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1880.0 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center Freq 1.8800000 GHz</p> <p>Start Freq 1.8700000 GHz</p> <p>Stop Freq 1.8900000 GHz</p> <p>CF Step 2.0000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.880 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9388 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 19.270 kHz</p> <p>x dB Bandwidth 9.577 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1905.0 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.905 GHz Trig Free</p> <p>Center Freq 1.9050000 GHz</p> <p>Start Freq 1.8950000 GHz</p> <p>Stop Freq 1.9150000 GHz</p> <p>CF Step 2.0000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.905 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9269 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -13.040 kHz</p> <p>x dB Bandwidth 9.509 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

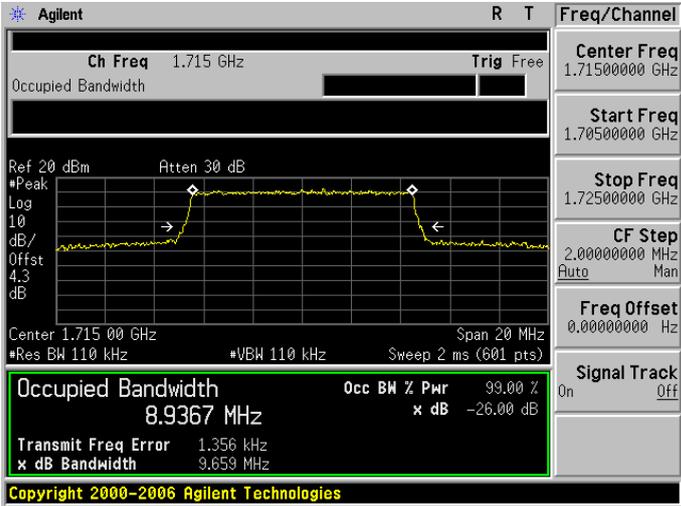
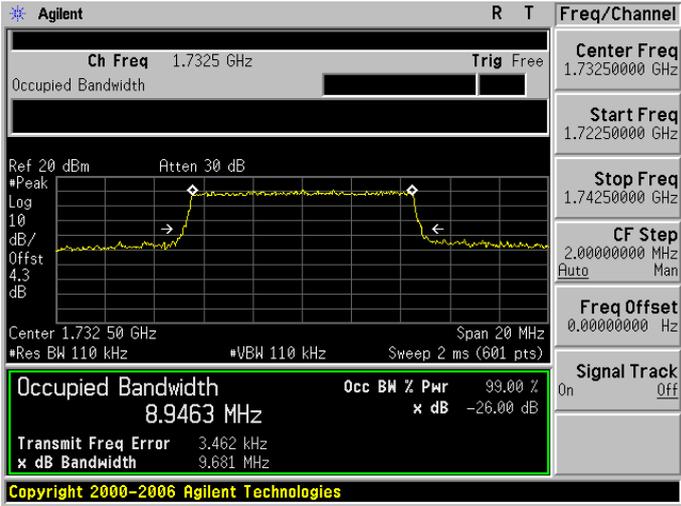
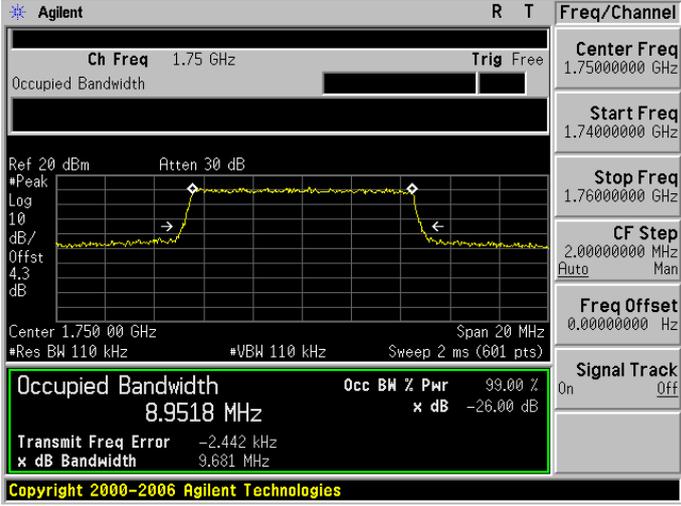
LTE Band 2 (Channel Bandwidth: 15 MHz) _ 16QAM	
1857.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.8575 GHz Trig Free</p> <p>Center Freq 1.85750000 GHz</p> <p>Start Freq 1.84250000 GHz</p> <p>Stop Freq 1.87250000 GHz</p> <p>CF Step 3.00000000 MHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.857 50 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4044 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 30.712 kHz</p> <p>x dB Bandwidth 14.453 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1880.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center Freq 1.88000000 GHz</p> <p>Start Freq 1.86500000 GHz</p> <p>Stop Freq 1.89500000 GHz</p> <p>CF Step 3.00000000 MHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.880 00 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4195 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 27.526 kHz</p> <p>x dB Bandwidth 14.252 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1902.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.9025 GHz Trig Free</p> <p>Center Freq 1.90250000 GHz</p> <p>Start Freq 1.88750000 GHz</p> <p>Stop Freq 1.91750000 GHz</p> <p>CF Step 3.00000000 MHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.902 50 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4153 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -19.502 kHz</p> <p>x dB Bandwidth 14.533 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 2 (Channel Bandwidth: 20 MHz) _ 16QAM	
1860.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.86 GHz Trig Free</p> <p>Center Freq 1.86000000 GHz</p> <p>Start Freq 1.84000000 GHz</p> <p>Stop Freq 1.88000000 GHz</p> <p>CF Step 4.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.860 00 GHz Span 40 MHz</p> <p>#Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8571 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 19.295 kHz</p> <p>x dB Bandwidth 18.922 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1880.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center Freq 1.88000000 GHz</p> <p>Start Freq 1.86000000 GHz</p> <p>Stop Freq 1.90000000 GHz</p> <p>CF Step 4.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.880 00 GHz Span 40 MHz</p> <p>#Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8830 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 37.628 kHz</p> <p>x dB Bandwidth 19.136 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1900.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.9 GHz Trig Free</p> <p>Center Freq 1.90000000 GHz</p> <p>Start Freq 1.88000000 GHz</p> <p>Stop Freq 1.92000000 GHz</p> <p>CF Step 4.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.900 00 GHz Span 40 MHz</p> <p>#Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.9137 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -19.157 kHz</p> <p>x dB Bandwidth 19.100 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1710.7 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7107 GHz Trig Free</p> <p>Center Freq 1.71070000 GHz</p> <p>Start Freq 1.70920000 GHz</p> <p>Stop Freq 1.71220000 GHz</p> <p>CF Step 300.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.710 700 GHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0707 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 360.272 Hz</p> <p>x dB Bandwidth 1.209 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1732.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7325 GHz Trig Free</p> <p>Center Freq 1.73250000 GHz</p> <p>Start Freq 1.73100000 GHz</p> <p>Stop Freq 1.73400000 GHz</p> <p>CF Step 300.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.732 500 GHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0811 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 3.118 kHz</p> <p>x dB Bandwidth 1.202 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1754.3 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7543 GHz Trig Free</p> <p>Center Freq 1.75430000 GHz</p> <p>Start Freq 1.75280000 GHz</p> <p>Stop Freq 1.75580000 GHz</p> <p>CF Step 300.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.754 300 GHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0757 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -225.967 Hz</p> <p>x dB Bandwidth 1.211 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

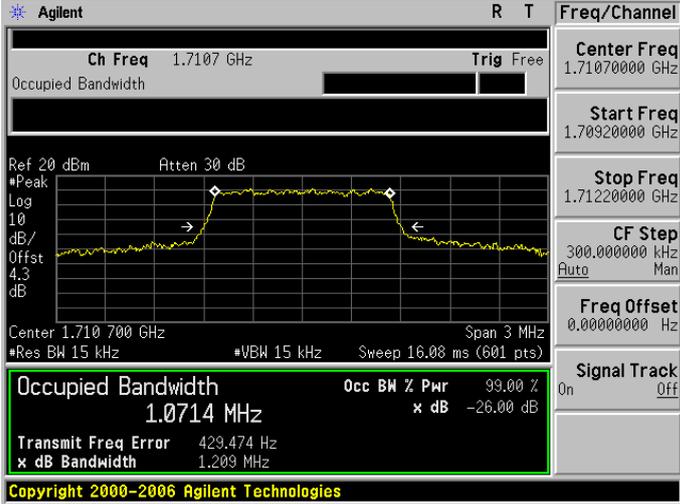
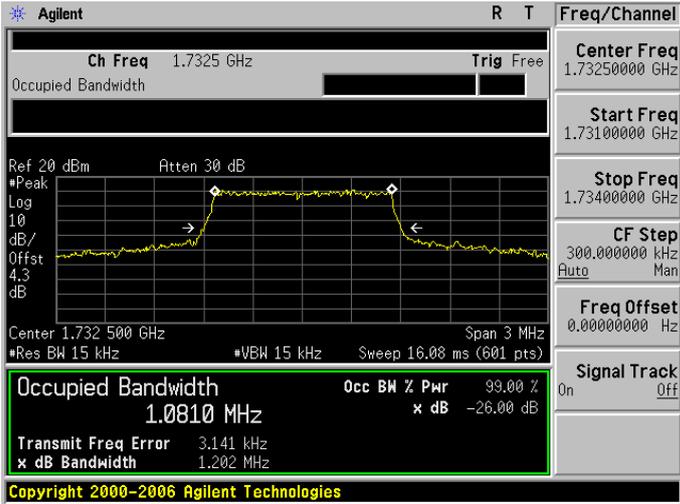
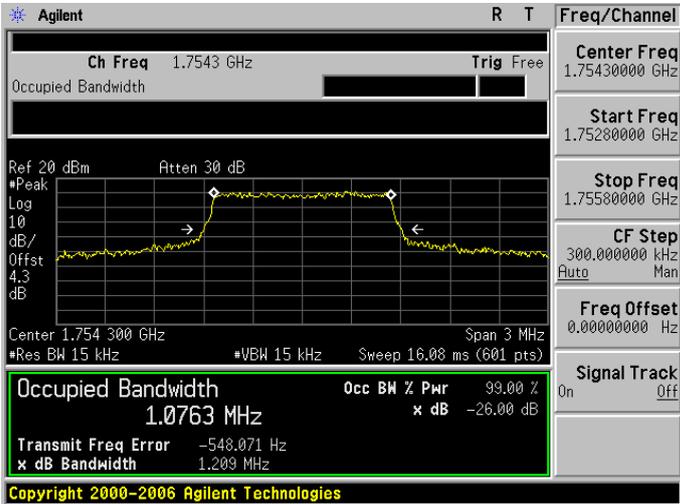
LTE Band 4 (Channel Bandwidth: 3 MHz) _ QPSK	
1711.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7115 GHz Trig Free</p> <p>Center Freq 1.71150000 GHz</p> <p>Start Freq 1.70850000 GHz</p> <p>Stop Freq 1.71450000 GHz</p> <p>CF Step 600.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.711 500 GHz Span 6 MHz</p> <p>#Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6812 MHz Occ BW % Pwr 99.00 %</p> <p>Transmit Freq Error 1.857 kHz x dB -26.00 dB</p> <p>x dB Bandwidth 2.907 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1732.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7325 GHz Trig Free</p> <p>Center Freq 1.73250000 GHz</p> <p>Start Freq 1.72950000 GHz</p> <p>Stop Freq 1.73550000 GHz</p> <p>CF Step 600.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.732 500 GHz Span 6 MHz</p> <p>#Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6940 MHz Occ BW % Pwr 99.00 %</p> <p>Transmit Freq Error 8.639 kHz x dB -26.00 dB</p> <p>x dB Bandwidth 2.937 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1753.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7535 GHz Trig Free</p> <p>Center Freq 1.75350000 GHz</p> <p>Start Freq 1.75050000 GHz</p> <p>Stop Freq 1.75650000 GHz</p> <p>CF Step 600.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.753 500 GHz Span 6 MHz</p> <p>#Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6859 MHz Occ BW % Pwr 99.00 %</p> <p>Transmit Freq Error 2.797 kHz x dB -26.00 dB</p> <p>x dB Bandwidth 2.944 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 4 (Channel Bandwidth: 5 MHz) _ QPSK	
1712.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7125 GHz Trig Free</p> <p>Center Freq 1.7125000 GHz</p> <p>Start Freq 1.7075000 GHz</p> <p>Stop Freq 1.7175000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.712 50 GHz Span 10 MHz</p> <p>#Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4584 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 273.177 Hz</p> <p>x dB Bandwidth 4.882 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1732.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7325 GHz Trig Free</p> <p>Center Freq 1.7325000 GHz</p> <p>Start Freq 1.7275000 GHz</p> <p>Stop Freq 1.7375000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.732 50 GHz Span 10 MHz</p> <p>#Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4661 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -2.388 kHz</p> <p>x dB Bandwidth 4.897 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1752.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7525 GHz Trig Free</p> <p>Center Freq 1.7525000 GHz</p> <p>Start Freq 1.7475000 GHz</p> <p>Stop Freq 1.7575000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.752 50 GHz Span 10 MHz</p> <p>#Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4545 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -4.193 kHz</p> <p>x dB Bandwidth 4.850 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 4 (Channel Bandwidth: 10 MHz) _ QPSK	
1715.0 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.715 GHz Trig Free</p> <p>Center 1.715 00 GHz Span 20 MHz</p> <p>Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9367 MHz</p> <p>Transmit Freq Error 1.356 kHz</p> <p>x dB Bandwidth 9.659 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1732.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7325 GHz Trig Free</p> <p>Center 1.732 50 GHz Span 20 MHz</p> <p>Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9463 MHz</p> <p>Transmit Freq Error 3.462 kHz</p> <p>x dB Bandwidth 9.681 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1750.0 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.75 GHz Trig Free</p> <p>Center 1.750 00 GHz Span 20 MHz</p> <p>Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9518 MHz</p> <p>Transmit Freq Error -2.442 kHz</p> <p>x dB Bandwidth 9.681 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 4 (Channel Bandwidth: 15 MHz) _ QPSK	
1717.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7175 GHz Trig Free</p> <p>Center Freq 1.7175000 GHz</p> <p>Start Freq 1.7025000 GHz</p> <p>Stop Freq 1.7325000 GHz</p> <p>CF Step 3.0000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.717 50 GHz Span 30 MHz</p> <p>Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4053 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -8.305 kHz x dB Bandwidth 14.325 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1732.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7325 GHz Trig Free</p> <p>Center Freq 1.7325000 GHz</p> <p>Start Freq 1.7175000 GHz</p> <p>Stop Freq 1.7475000 GHz</p> <p>CF Step 3.0000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.732 50 GHz Span 30 MHz</p> <p>Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4299 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 16.503 kHz x dB Bandwidth 14.542 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1747.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7475 GHz Trig Free</p> <p>Center Freq 1.7475000 GHz</p> <p>Start Freq 1.7325000 GHz</p> <p>Stop Freq 1.7625000 GHz</p> <p>CF Step 3.0000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.747 50 GHz Span 30 MHz</p> <p>Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4123 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 2.517 kHz x dB Bandwidth 14.500 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

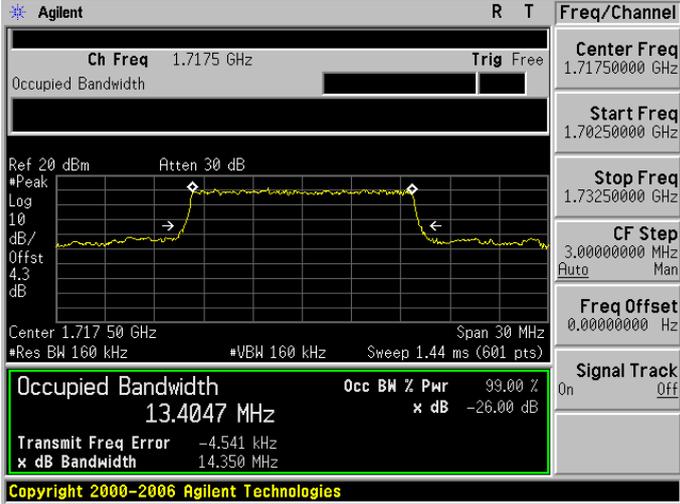
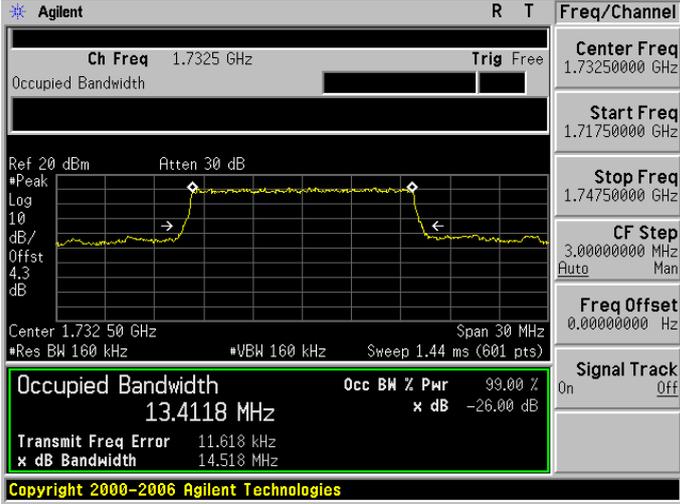
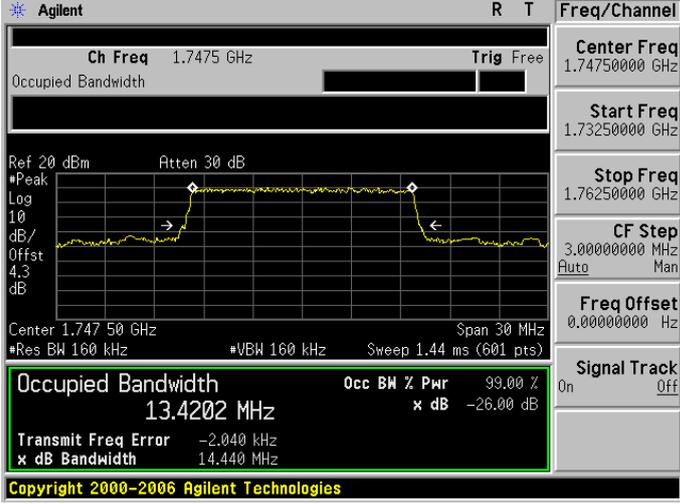
LTE Band 4 (Channel Bandwidth: 20 MHz) _ QPSK	
1720.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.72 GHz Trig Free</p> <p>Center Freq 1.7200000 GHz</p> <p>Start Freq 1.7000000 GHz</p> <p>Stop Freq 1.7400000 GHz</p> <p>CF Step 4.0000000 MHz</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10</p> <p>dB/Offst 4.3 dB</p> <p>Center 1.720 00 GHz Span 40 MHz</p> <p>#Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8594 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -2.750 kHz</p> <p>x dB Bandwidth 19.108 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1732.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7325 GHz Trig Free</p> <p>Center Freq 1.7325000 GHz</p> <p>Start Freq 1.7125000 GHz</p> <p>Stop Freq 1.7525000 GHz</p> <p>CF Step 4.0000000 MHz</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10</p> <p>dB/Offst 4.3 dB</p> <p>Center 1.732 50 GHz Span 40 MHz</p> <p>#Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8849 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 25.240 kHz</p> <p>x dB Bandwidth 19.107 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1745.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.745 GHz Trig Free</p> <p>Center Freq 1.7450000 GHz</p> <p>Start Freq 1.7250000 GHz</p> <p>Stop Freq 1.7650000 GHz</p> <p>CF Step 4.0000000 MHz</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10</p> <p>dB/Offst 4.3 dB</p> <p>Center 1.745 00 GHz Span 40 MHz</p> <p>#Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8258 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -1.717 kHz</p> <p>x dB Bandwidth 19.099 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

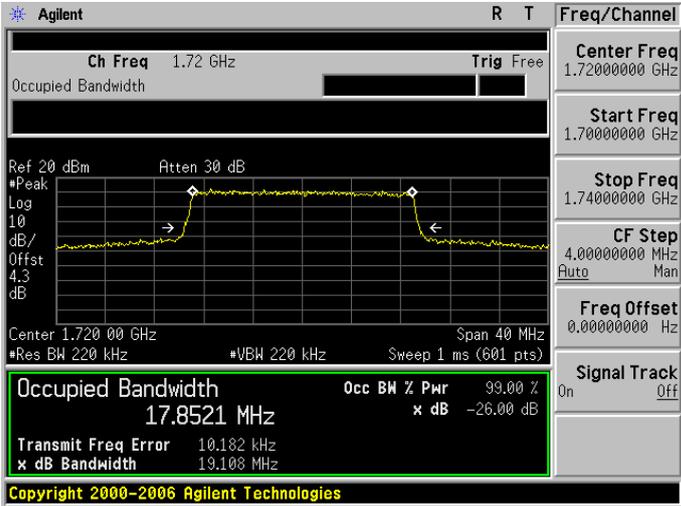
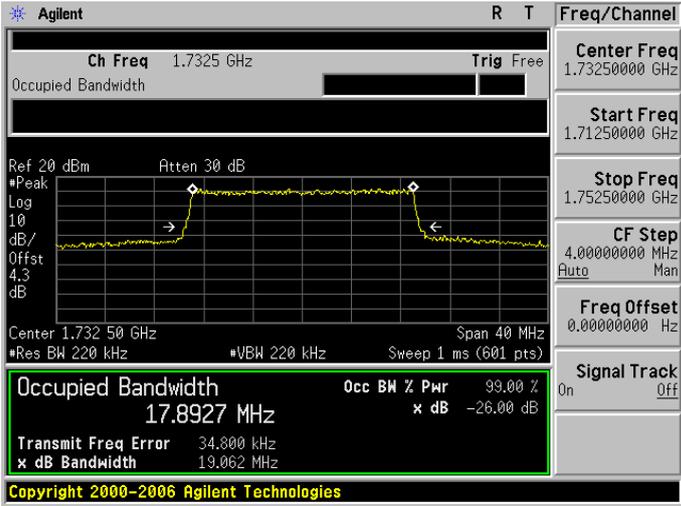
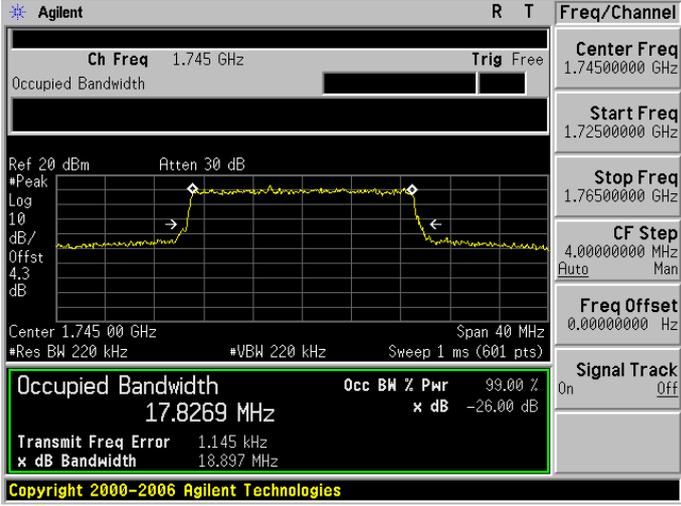
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1710.7 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7107 GHz Trig Free</p> <p>Center Freq 1.7107000 GHz</p> <p>Start Freq 1.7092000 GHz</p> <p>Stop Freq 1.7122000 GHz</p> <p>CF Step 300.000000 kHz</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.710 700 GHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0714 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 429.474 Hz</p> <p>x dB Bandwidth 1.209 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1732.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7325 GHz Trig Free</p> <p>Center Freq 1.7325000 GHz</p> <p>Start Freq 1.7310000 GHz</p> <p>Stop Freq 1.7340000 GHz</p> <p>CF Step 300.000000 kHz</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.732 500 GHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0810 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 3.141 kHz</p> <p>x dB Bandwidth 1.202 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1754.3 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7543 GHz Trig Free</p> <p>Center Freq 1.7543000 GHz</p> <p>Start Freq 1.7528000 GHz</p> <p>Stop Freq 1.7558000 GHz</p> <p>CF Step 300.000000 kHz</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 4.3 dB</p> <p>Center 1.754 300 GHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0763 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -548.071 Hz</p> <p>x dB Bandwidth 1.209 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

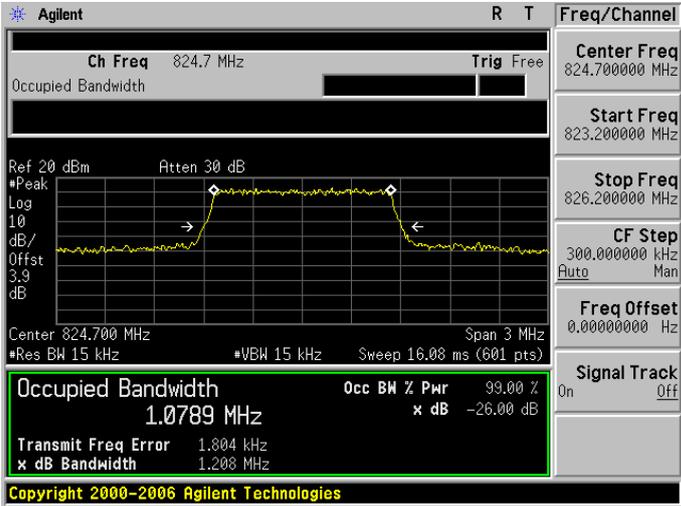
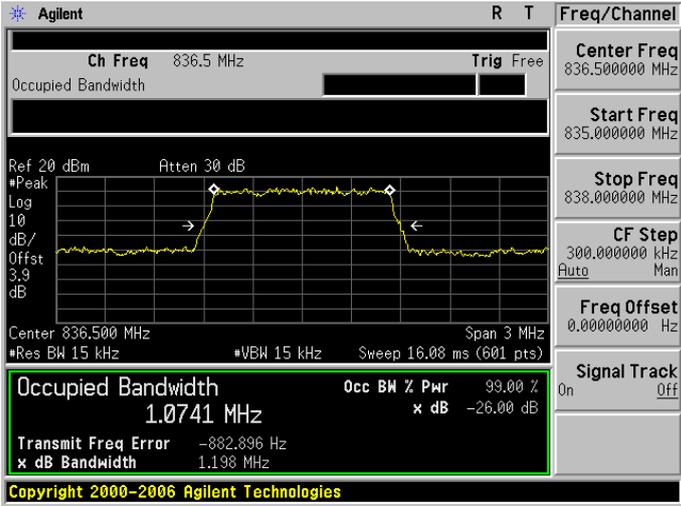
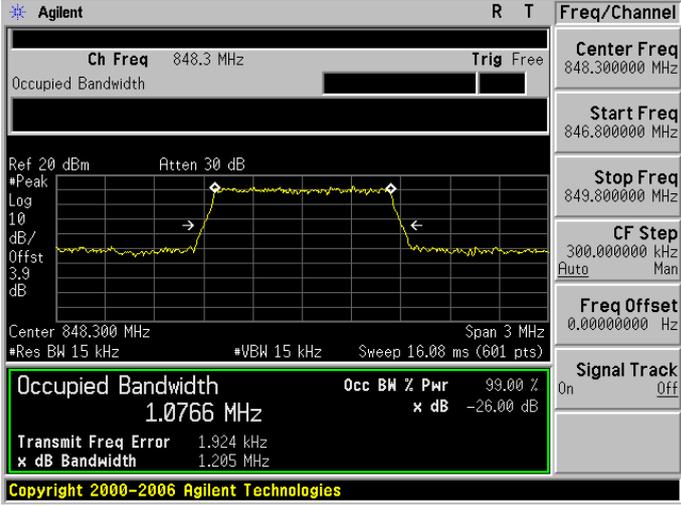
LTE Band 4 (Channel Bandwidth: 3 MHz) _ 16QAM	
1711.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7115 GHz Trig Free</p> <p>Center Freq 1.71150000 GHz</p> <p>Start Freq 1.70850000 GHz</p> <p>Stop Freq 1.71450000 GHz</p> <p>CF Step 600.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.711 500 GHz Span 6 MHz</p> <p>#Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6806 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 3.642 kHz</p> <p>x dB Bandwidth 2.906 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1732.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7325 GHz Trig Free</p> <p>Center Freq 1.73250000 GHz</p> <p>Start Freq 1.72950000 GHz</p> <p>Stop Freq 1.73550000 GHz</p> <p>CF Step 600.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.732 500 GHz Span 6 MHz</p> <p>#Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6933 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 7.506 kHz</p> <p>x dB Bandwidth 2.941 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1753.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7535 GHz Trig Free</p> <p>Center Freq 1.75350000 GHz</p> <p>Start Freq 1.75050000 GHz</p> <p>Stop Freq 1.75650000 GHz</p> <p>CF Step 600.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.753 500 GHz Span 6 MHz</p> <p>#Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6862 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 3.042 kHz</p> <p>x dB Bandwidth 2.944 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

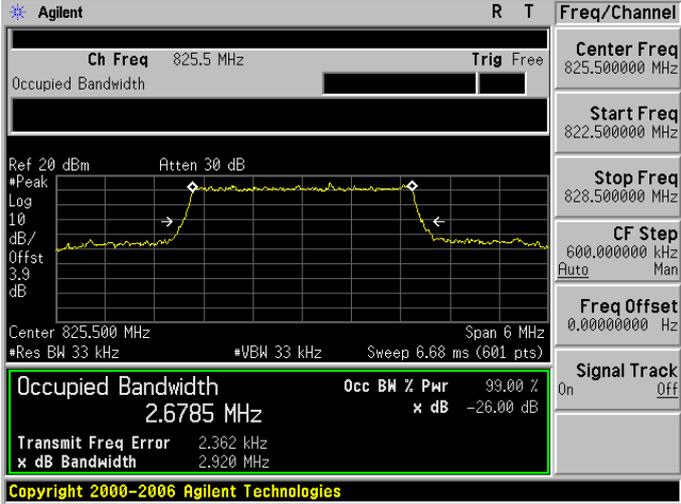
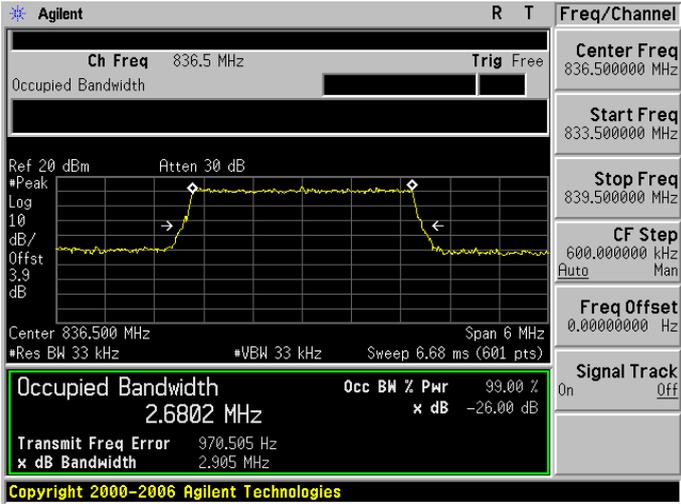
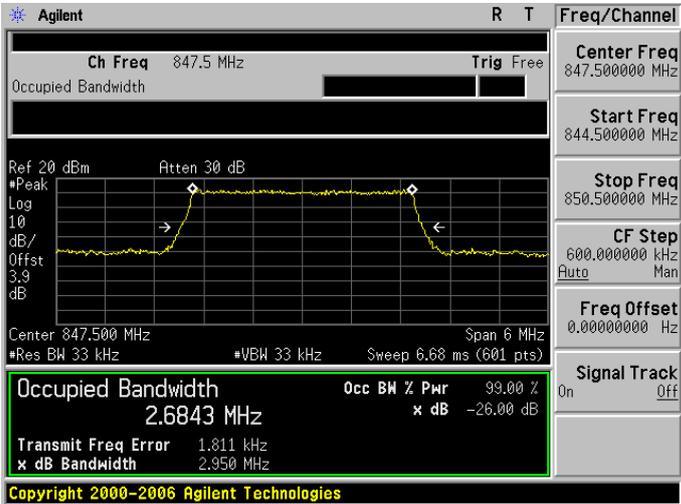
LTE Band 4 (Channel Bandwidth: 5 MHz) _ 16QAM	
1712.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7125 GHz Trig Free</p> <p>Center Freq 1.7125000 GHz</p> <p>Start Freq 1.7075000 GHz</p> <p>Stop Freq 1.7175000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.712 50 GHz Span 10 MHz</p> <p>#Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4585 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 693.017 Hz</p> <p>x dB Bandwidth 4.881 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1732.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7325 GHz Trig Free</p> <p>Center Freq 1.7325000 GHz</p> <p>Start Freq 1.7275000 GHz</p> <p>Stop Freq 1.7375000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.732 50 GHz Span 10 MHz</p> <p>#Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4795 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 4.389 kHz</p> <p>x dB Bandwidth 4.876 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1752.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7525 GHz Trig Free</p> <p>Center Freq 1.7525000 GHz</p> <p>Start Freq 1.7475000 GHz</p> <p>Stop Freq 1.7575000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.752 50 GHz Span 10 MHz</p> <p>#Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4503 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -6.007 kHz</p> <p>x dB Bandwidth 4.852 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 4 (Channel Bandwidth: 10 MHz) _ 16QAM	
1715.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.715 GHz Trig Free</p> <p>Center Freq 1.7150000 GHz</p> <p>Start Freq 1.7050000 GHz</p> <p>Stop Freq 1.7250000 GHz</p> <p>CF Step 2.0000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak 10</p> <p>Log dB/Offst 4.3 dB</p> <p>Center 1.715 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9368 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 1.142 kHz</p> <p>x dB Bandwidth 9.659 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1732.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7325 GHz Trig Free</p> <p>Center Freq 1.7325000 GHz</p> <p>Start Freq 1.7225000 GHz</p> <p>Stop Freq 1.7425000 GHz</p> <p>CF Step 2.0000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak 10</p> <p>Log dB/Offst 4.3 dB</p> <p>Center 1.732 50 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9514 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -278.486 Hz</p> <p>x dB Bandwidth 9.682 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1750.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.75 GHz Trig Free</p> <p>Center Freq 1.7500000 GHz</p> <p>Start Freq 1.7400000 GHz</p> <p>Stop Freq 1.7600000 GHz</p> <p>CF Step 2.0000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak 10</p> <p>Log dB/Offst 4.3 dB</p> <p>Center 1.750 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9474 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 7.073 kHz</p> <p>x dB Bandwidth 9.616 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

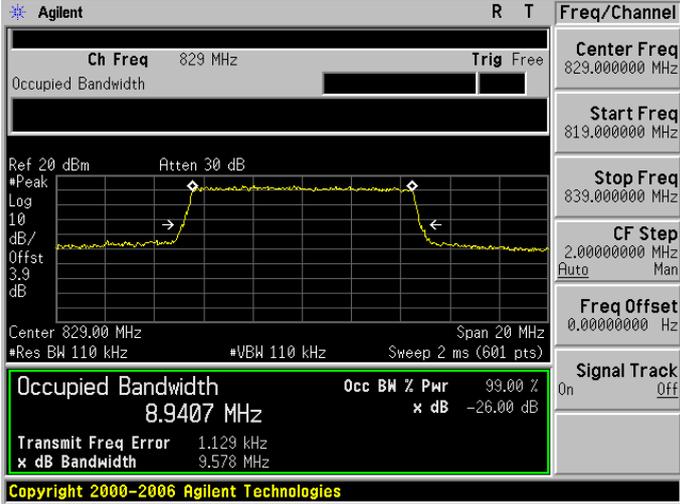
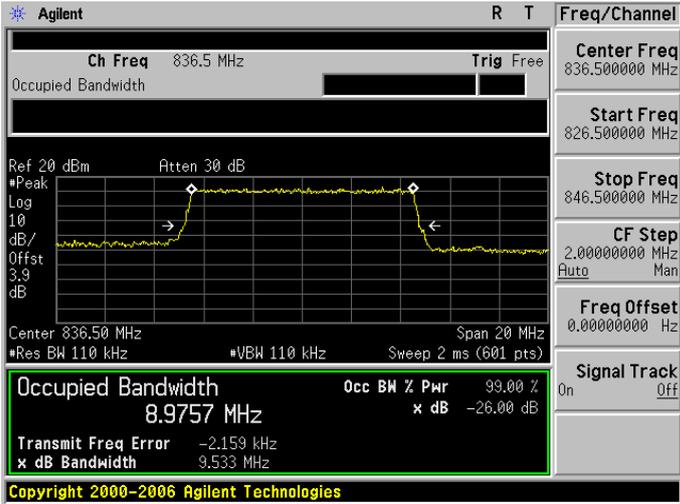
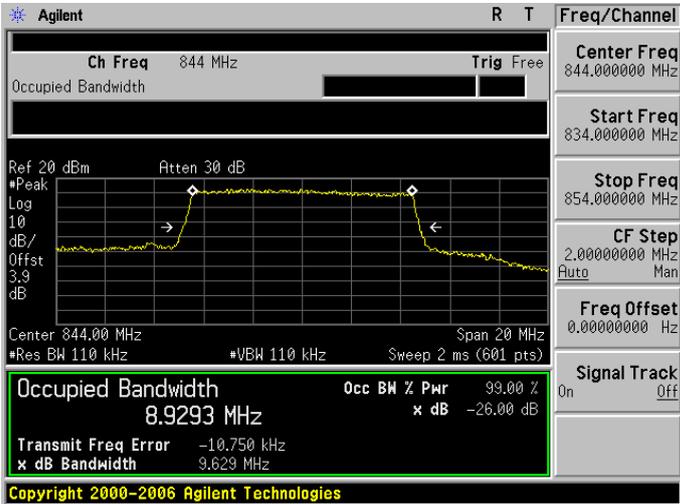
LTE Band 4 (Channel Bandwidth: 15 MHz) _ 16QAM	
1717.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7175 GHz Trig Free</p> <p>Center Freq 1.7175000 GHz</p> <p>Start Freq 1.7025000 GHz</p> <p>Stop Freq 1.7325000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.717 50 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4047 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -4.541 kHz</p> <p>x dB Bandwidth 14.350 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1732.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7325 GHz Trig Free</p> <p>Center Freq 1.7325000 GHz</p> <p>Start Freq 1.7175000 GHz</p> <p>Stop Freq 1.7475000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.732 50 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4118 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 11.618 kHz</p> <p>x dB Bandwidth 14.518 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1747.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7475 GHz Trig Free</p> <p>Center Freq 1.7475000 GHz</p> <p>Start Freq 1.7325000 GHz</p> <p>Stop Freq 1.7625000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.747 50 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4202 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -2.040 kHz</p> <p>x dB Bandwidth 14.440 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

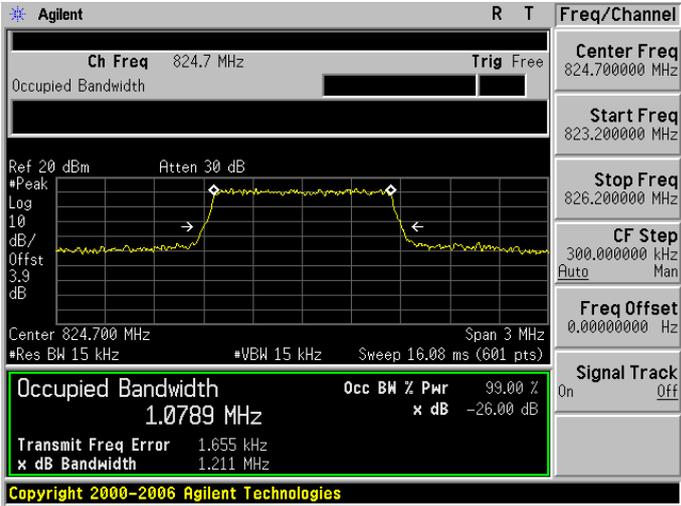
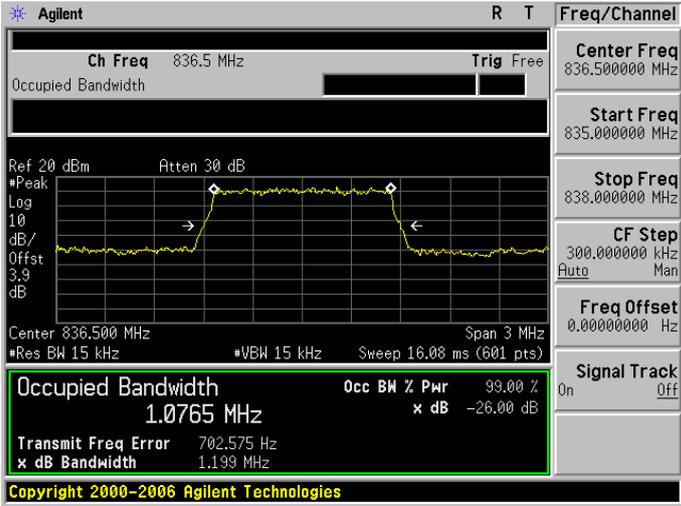
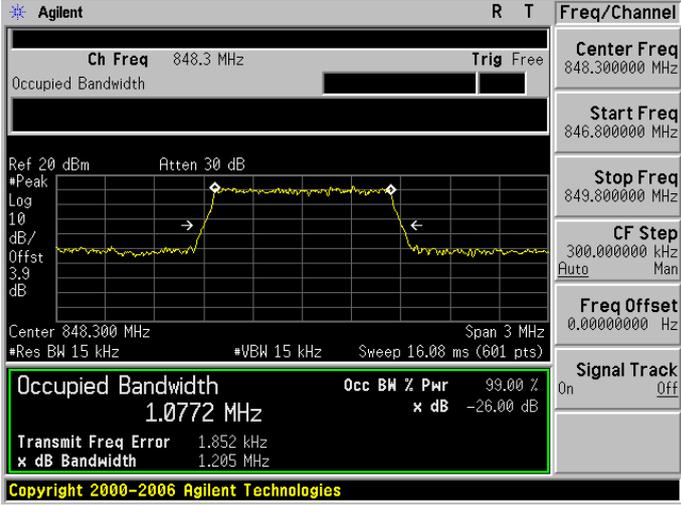
LTE Band 4 (Channel Bandwidth: 20 MHz) _ 16QAM	
1720.0 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.72 GHz Trig Free</p> <p>Center Freq 1.7200000 GHz</p> <p>Start Freq 1.7000000 GHz</p> <p>Stop Freq 1.7400000 GHz</p> <p>CF Step 4.0000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.720 00 GHz Span 40 MHz</p> <p>#Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8521 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 10.182 kHz</p> <p>x dB Bandwidth 19.108 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1732.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.7325 GHz Trig Free</p> <p>Center Freq 1.7325000 GHz</p> <p>Start Freq 1.7125000 GHz</p> <p>Stop Freq 1.7525000 GHz</p> <p>CF Step 4.0000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.732 50 GHz Span 40 MHz</p> <p>#Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8927 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 34.800 kHz</p> <p>x dB Bandwidth 19.062 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
1745.0 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.745 GHz Trig Free</p> <p>Center Freq 1.7450000 GHz</p> <p>Start Freq 1.7250000 GHz</p> <p>Stop Freq 1.7650000 GHz</p> <p>CF Step 4.0000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 1.745 00 GHz Span 40 MHz</p> <p>#Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8269 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 1.145 kHz</p> <p>x dB Bandwidth 18.897 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ QPSK	
824.7 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 824.7 MHz Trig Free</p> <p>Center Freq 824.700000 MHz</p> <p>Start Freq 823.200000 MHz</p> <p>Stop Freq 826.200000 MHz</p> <p>CF Step 300.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 3.9 dB</p> <p>Center 824.700 MHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0789 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 1.804 kHz</p> <p>x dB Bandwidth 1.208 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
836.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 836.5 MHz Trig Free</p> <p>Center Freq 836.500000 MHz</p> <p>Start Freq 835.000000 MHz</p> <p>Stop Freq 838.000000 MHz</p> <p>CF Step 300.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 3.9 dB</p> <p>Center 836.500 MHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0741 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -882.896 Hz</p> <p>x dB Bandwidth 1.198 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
848.3 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 848.3 MHz Trig Free</p> <p>Center Freq 848.300000 MHz</p> <p>Start Freq 846.800000 MHz</p> <p>Stop Freq 849.800000 MHz</p> <p>CF Step 300.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 3.9 dB</p> <p>Center 848.300 MHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0766 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 1.924 kHz</p> <p>x dB Bandwidth 1.205 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 5 (Channel Bandwidth: 3 MHz) _ QPSK	
825.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 825.5 MHz Trig Free</p> <p>Center Freq 825.500000 MHz</p> <p>Start Freq 822.500000 MHz</p> <p>Stop Freq 828.500000 MHz</p> <p>CF Step 600.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 3.9 dB</p> <p>Center 825.500 MHz Span 6 MHz</p> <p>#Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6785 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB Bandwidth 2.920 MHz x dB -26.00 dB</p> <p>Transmit Freq Error 2.362 kHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
836.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 836.5 MHz Trig Free</p> <p>Center Freq 836.500000 MHz</p> <p>Start Freq 833.500000 MHz</p> <p>Stop Freq 839.500000 MHz</p> <p>CF Step 600.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 3.9 dB</p> <p>Center 836.500 MHz Span 6 MHz</p> <p>#Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6802 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB Bandwidth 2.905 MHz x dB -26.00 dB</p> <p>Transmit Freq Error 970.505 Hz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
847.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 847.5 MHz Trig Free</p> <p>Center Freq 847.500000 MHz</p> <p>Start Freq 844.500000 MHz</p> <p>Stop Freq 850.500000 MHz</p> <p>CF Step 600.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 3.9 dB</p> <p>Center 847.500 MHz Span 6 MHz</p> <p>#Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6843 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB Bandwidth 2.950 MHz x dB -26.00 dB</p> <p>Transmit Freq Error 1.811 kHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 5 (Channel Bandwidth: 5 MHz) _ QPSK	
826.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 826.5 MHz Trig Free</p> <p>Center Freq 826.500000 MHz</p> <p>Start Freq 821.500000 MHz</p> <p>Stop Freq 831.500000 MHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 3.9 dB</p> <p>Center 826.50 MHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4726 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 7.894 kHz</p> <p>x dB Bandwidth 4.842 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
836.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 836.5 MHz Trig Free</p> <p>Center Freq 836.500000 MHz</p> <p>Start Freq 831.500000 MHz</p> <p>Stop Freq 841.500000 MHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 3.9 dB</p> <p>Center 836.50 MHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4576 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -2.703 kHz</p> <p>x dB Bandwidth 4.867 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
846.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 846.5 MHz Trig Free</p> <p>Center Freq 846.500000 MHz</p> <p>Start Freq 841.500000 MHz</p> <p>Stop Freq 851.500000 MHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 3.9 dB</p> <p>Center 846.50 MHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4768 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -2.481 kHz</p> <p>x dB Bandwidth 4.833 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 5 (Channel Bandwidth: 10 MHz) _ QPSK	
829.0 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 829 MHz Trig Free</p> <p>Center Freq 829.000000 MHz</p> <p>Start Freq 819.000000 MHz</p> <p>Stop Freq 839.000000 MHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>dB/ Offst 3.9 dB</p> <p>Center 829.00 MHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9407 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 1.129 kHz</p> <p>x dB Bandwidth 9.578 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
836.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 836.5 MHz Trig Free</p> <p>Center Freq 836.500000 MHz</p> <p>Start Freq 826.500000 MHz</p> <p>Stop Freq 846.500000 MHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>dB/ Offst 3.9 dB</p> <p>Center 836.50 MHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9757 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -2.159 kHz</p> <p>x dB Bandwidth 9.533 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
844.0 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 844 MHz Trig Free</p> <p>Center Freq 844.000000 MHz</p> <p>Start Freq 834.000000 MHz</p> <p>Stop Freq 854.000000 MHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>dB/ Offst 3.9 dB</p> <p>Center 844.00 MHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9293 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -10.750 kHz</p> <p>x dB Bandwidth 9.629 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
824.7 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 824.7 MHz Trig Free</p> <p>Center Freq 824.700000 MHz</p> <p>Start Freq 823.200000 MHz</p> <p>Stop Freq 826.200000 MHz</p> <p>CF Step 300.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 3.9 dB</p> <p>Center 824.700 MHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0789 MHz Occ BW % Pwr 99.00 %</p> <p>Transmit Freq Error 1.655 kHz x dB -26.00 dB</p> <p>x dB Bandwidth 1.211 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
836.5 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 836.5 MHz Trig Free</p> <p>Center Freq 836.500000 MHz</p> <p>Start Freq 835.000000 MHz</p> <p>Stop Freq 838.000000 MHz</p> <p>CF Step 300.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 3.9 dB</p> <p>Center 836.500 MHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0765 MHz Occ BW % Pwr 99.00 %</p> <p>Transmit Freq Error 702.575 Hz x dB -26.00 dB</p> <p>x dB Bandwidth 1.199 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
848.3 MHz	 <p>Agilent R T Freq/Channel</p> <p>Ch Freq 848.3 MHz Trig Free</p> <p>Center Freq 848.300000 MHz</p> <p>Start Freq 846.800000 MHz</p> <p>Stop Freq 849.800000 MHz</p> <p>CF Step 300.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak 10 dB/Offst 3.9 dB</p> <p>Center 848.300 MHz Span 3 MHz</p> <p>Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts)</p> <p>Occupied Bandwidth 1.0772 MHz Occ BW % Pwr 99.00 %</p> <p>Transmit Freq Error 1.852 kHz x dB -26.00 dB</p> <p>x dB Bandwidth 1.205 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 5 (Channel Bandwidth: 3 MHz) _ 16QAM	
825.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 825.5 MHz Trig Free</p> <p>Center 825.500 MHz Span 6 MHz</p> <p>Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6781 MHz</p> <p>Transmit Freq Error 1.841 kHz</p> <p>x dB Bandwidth 2.920 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>
836.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 836.5 MHz Trig Free</p> <p>Center 836.500 MHz Span 6 MHz</p> <p>Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6829 MHz</p> <p>Transmit Freq Error 1.924 kHz</p> <p>x dB Bandwidth 2.921 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>
847.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 847.5 MHz Trig Free</p> <p>Center 847.500 MHz Span 6 MHz</p> <p>Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts)</p> <p>Occupied Bandwidth 2.6836 MHz</p> <p>Transmit Freq Error 625.233 Hz</p> <p>x dB Bandwidth 2.936 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 5 (Channel Bandwidth: 5 MHz) _ 16QAM	
826.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 826.5 MHz Trig Free</p> <p>Center 826.50 MHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4704 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB Bandwidth 4.841 MHz x dB -26.00 dB</p> <p>Transmit Freq Error 6.613 kHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
836.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 836.5 MHz Trig Free</p> <p>Center 836.50 MHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4643 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB Bandwidth 4.871 MHz x dB -26.00 dB</p> <p>Transmit Freq Error -1.529 kHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
846.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 846.5 MHz Trig Free</p> <p>Center 846.50 MHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4787 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB Bandwidth 4.832 MHz x dB -26.00 dB</p> <p>Transmit Freq Error -2.026 kHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 5 (Channel Bandwidth: 10 MHz) _ 16QAM	
829.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 829 MHz Trig Free</p> <p>Center Freq 829.000000 MHz</p> <p>Start Freq 819.000000 MHz</p> <p>Stop Freq 839.000000 MHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 3.9 dB</p> <p>Center 829.00 MHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9466 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 1.063 kHz</p> <p>x dB Bandwidth 9.565 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
836.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 836.5 MHz Trig Free</p> <p>Center Freq 836.500000 MHz</p> <p>Start Freq 826.500000 MHz</p> <p>Stop Freq 846.500000 MHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 3.9 dB</p> <p>Center 836.50 MHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9708 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -3.753 kHz</p> <p>x dB Bandwidth 9.676 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
844.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 844 MHz Trig Free</p> <p>Center Freq 844.000000 MHz</p> <p>Start Freq 834.000000 MHz</p> <p>Stop Freq 854.000000 MHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 3.9 dB</p> <p>Center 844.00 MHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9374 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -8.982 kHz</p> <p>x dB Bandwidth 9.629 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 7 (Channel Bandwidth: 5 MHz) _ QPSK	
2502.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.5025 GHz Trig Free</p> <p>Center Freq 2.50250000 GHz</p> <p>Start Freq 2.49750000 GHz</p> <p>Stop Freq 2.50750000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2.502 50 GHz Span 10 MHz</p> <p>#Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4625 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -1.307 kHz</p> <p>x dB Bandwidth 4.823 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2535.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.535 GHz Trig Free</p> <p>Center Freq 2.53500000 GHz</p> <p>Start Freq 2.53000000 GHz</p> <p>Stop Freq 2.54000000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2.535 00 GHz Span 10 MHz</p> <p>#Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4828 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 1.504 kHz</p> <p>x dB Bandwidth 4.898 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2567.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.5675 GHz Trig Free</p> <p>Center Freq 2.56750000 GHz</p> <p>Start Freq 2.56250000 GHz</p> <p>Stop Freq 2.57250000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2.567 50 GHz Span 10 MHz</p> <p>#Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4669 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -3.054 kHz</p> <p>x dB Bandwidth 4.994 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 7 (Channel Bandwidth: 10 MHz) _ QPSK	
2505.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2,505 GHz Trig Free</p> <p>Center Freq 2,50500000 GHz</p> <p>Start Freq 2,49500000 GHz</p> <p>Stop Freq 2,51500000 GHz</p> <p>CF Step 2,00000000 MHz Auto Man</p> <p>Freq Offset 0,00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2,505 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9610 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 782.674 Hz</p> <p>x dB Bandwidth 9.683 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2535.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2,535 GHz Trig Free</p> <p>Center Freq 2,53500000 GHz</p> <p>Start Freq 2,52500000 GHz</p> <p>Stop Freq 2,54500000 GHz</p> <p>CF Step 2,00000000 MHz Auto Man</p> <p>Freq Offset 0,00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2,535 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9604 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 87.320 Hz</p> <p>x dB Bandwidth 9.689 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2565.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2,565 GHz Trig Free</p> <p>Center Freq 2,56500000 GHz</p> <p>Start Freq 2,55500000 GHz</p> <p>Stop Freq 2,57500000 GHz</p> <p>CF Step 2,00000000 MHz Auto Man</p> <p>Freq Offset 0,00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2,565 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9781 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -14.359 kHz</p> <p>x dB Bandwidth 10.207 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 7 (Channel Bandwidth: 15 MHz) _ QPSK	
2507.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.5075 GHz Trig Free</p> <p>Center Freq 2.50750000 GHz</p> <p>Start Freq 2.49250000 GHz</p> <p>Stop Freq 2.52250000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak</p> <p>Log 10</p> <p>dB/ Offst 4.3 dB</p> <p>Center 2.507 50 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4289 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 3.071 kHz</p> <p>x dB Bandwidth 14.515 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2535.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.535 GHz Trig Free</p> <p>Center Freq 2.53500000 GHz</p> <p>Start Freq 2.52000000 GHz</p> <p>Stop Freq 2.55000000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak</p> <p>Log 10</p> <p>dB/ Offst 4.3 dB</p> <p>Center 2.535 00 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4616 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -19.599 kHz</p> <p>x dB Bandwidth 14.513 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2562.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.5625 GHz Trig Free</p> <p>Center Freq 2.56250000 GHz</p> <p>Start Freq 2.54750000 GHz</p> <p>Stop Freq 2.57750000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>Peak</p> <p>Log 10</p> <p>dB/ Offst 4.3 dB</p> <p>Center 2.562 50 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4330 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -22.040 kHz</p> <p>x dB Bandwidth 14.433 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 7 (Channel Bandwidth: 20 MHz) _ QPSK	
2510.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.51 GHz Trig Free</p> <p>Center Freq 2.51000000 GHz</p> <p>Start Freq 2.49000000 GHz</p> <p>Stop Freq 2.53000000 GHz</p> <p>CF Step 4.00000000 MHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak 10</p> <p>Log dB/Offst 4.3 dB</p> <p>Center 2.510 00 GHz Span 40 MHz</p> <p>#Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8621 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 15.238 kHz</p> <p>x dB Bandwidth 19.095 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2535.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.535 GHz Trig Free</p> <p>Center Freq 2.53500000 GHz</p> <p>Start Freq 2.51500000 GHz</p> <p>Stop Freq 2.55500000 GHz</p> <p>CF Step 4.00000000 MHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak 10</p> <p>Log dB/Offst 4.3 dB</p> <p>Center 2.535 00 GHz Span 40 MHz</p> <p>#Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8971 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -16.931 kHz</p> <p>x dB Bandwidth 19.065 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2560.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.56 GHz Trig Free</p> <p>Center Freq 2.56000000 GHz</p> <p>Start Freq 2.54000000 GHz</p> <p>Stop Freq 2.58000000 GHz</p> <p>CF Step 4.00000000 MHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak 10</p> <p>Log dB/Offst 4.3 dB</p> <p>Center 2.560 00 GHz Span 40 MHz</p> <p>#Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8855 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -27.024 kHz</p> <p>x dB Bandwidth 19.143 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

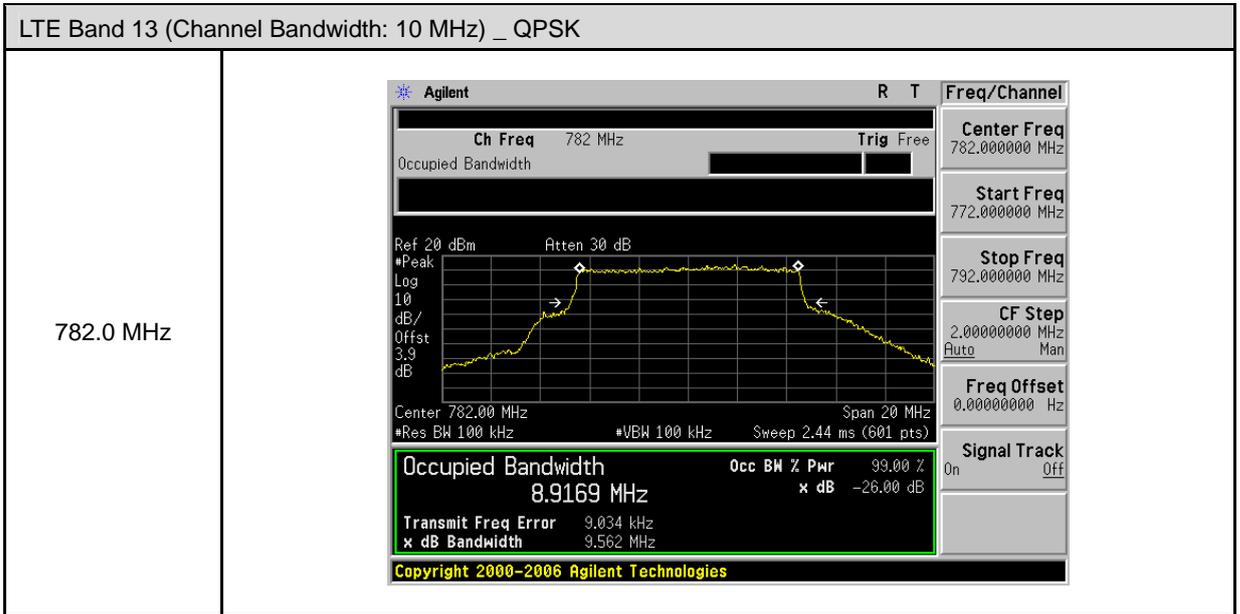
LTE Band 7 (Channel Bandwidth: 5 MHz) _ 16QAM	
2502.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.5025 GHz Trig Free</p> <p>Center Freq 2.50250000 GHz</p> <p>Start Freq 2.49750000 GHz</p> <p>Stop Freq 2.50750000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2.502 50 GHz Span 10 MHz</p> <p>#Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4580 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -1.192 kHz</p> <p>x dB Bandwidth 4.833 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2535.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.535 GHz Trig Free</p> <p>Center Freq 2.53500000 GHz</p> <p>Start Freq 2.53000000 GHz</p> <p>Stop Freq 2.54000000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2.535 00 GHz Span 10 MHz</p> <p>#Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4805 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 2.283 kHz</p> <p>x dB Bandwidth 4.898 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2567.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.5675 GHz Trig Free</p> <p>Center Freq 2.56750000 GHz</p> <p>Start Freq 2.56250000 GHz</p> <p>Stop Freq 2.57250000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2.567 50 GHz Span 10 MHz</p> <p>#Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4692 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -1.597 kHz</p> <p>x dB Bandwidth 4.993 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 7 (Channel Bandwidth: 10 MHz) _16QAM	
2505.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.505 GHz Trig Free</p> <p>Center Freq 2.50500000 GHz</p> <p>Start Freq 2.49500000 GHz</p> <p>Stop Freq 2.51500000 GHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2.505 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9603 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 784.510 Hz</p> <p>x dB Bandwidth 9.615 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2535.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.535 GHz Trig Free</p> <p>Center Freq 2.53500000 GHz</p> <p>Start Freq 2.52500000 GHz</p> <p>Stop Freq 2.54500000 GHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2.535 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9614 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -6.096 kHz</p> <p>x dB Bandwidth 9.721 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2565.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.565 GHz Trig Free</p> <p>Center Freq 2.56500000 GHz</p> <p>Start Freq 2.55500000 GHz</p> <p>Stop Freq 2.57500000 GHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2.565 00 GHz Span 20 MHz</p> <p>#Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts)</p> <p>Occupied Bandwidth 8.9642 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -6.034 kHz</p> <p>x dB Bandwidth 10.644 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

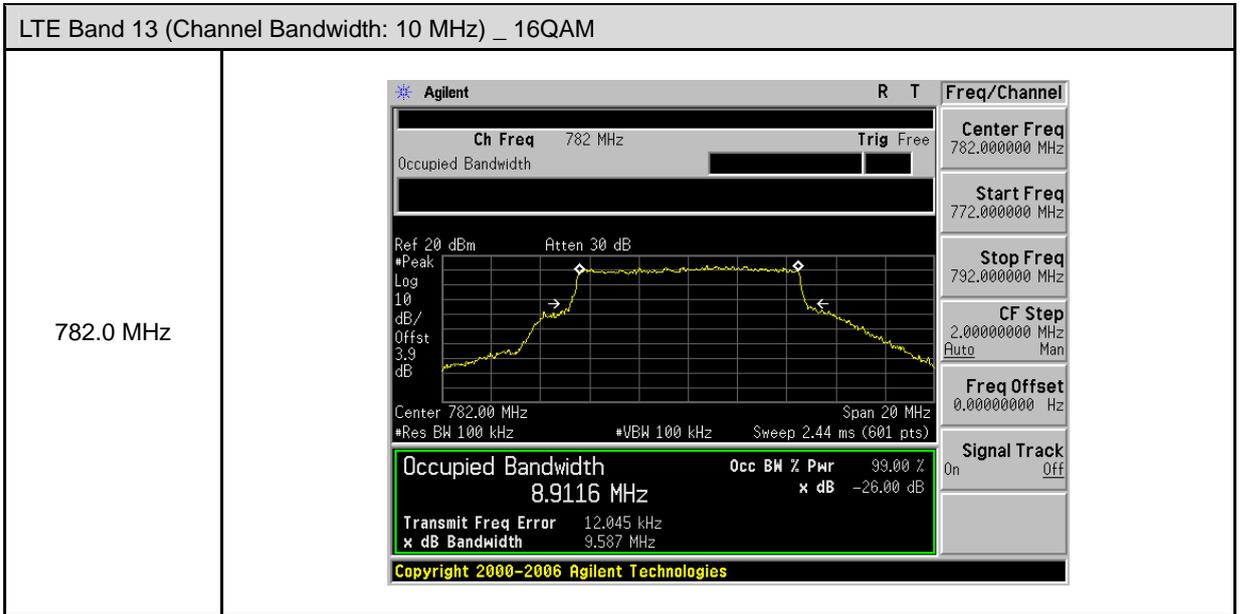
LTE Band 7 (Channel Bandwidth: 15 MHz) _ 16QAM	
2507.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.5075 GHz Trig Free</p> <p>Center Freq 2.50750000 GHz</p> <p>Start Freq 2.49250000 GHz</p> <p>Stop Freq 2.52250000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2.507 50 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4189 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 7.569 kHz</p> <p>x dB Bandwidth 14.402 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2535.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.535 GHz Trig Free</p> <p>Center Freq 2.53500000 GHz</p> <p>Start Freq 2.52000000 GHz</p> <p>Stop Freq 2.55000000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2.535 00 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4572 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -19.321 kHz</p> <p>x dB Bandwidth 14.584 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2562.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.5625 GHz Trig Free</p> <p>Center Freq 2.56250000 GHz</p> <p>Start Freq 2.54750000 GHz</p> <p>Stop Freq 2.57750000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 4.3 dB</p> <p>Center 2.562 50 GHz Span 30 MHz</p> <p>#Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts)</p> <p>Occupied Bandwidth 13.4305 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -14.275 kHz</p> <p>x dB Bandwidth 14.388 MHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 7 (Channel Bandwidth: 20 MHz) _ 16QAM	
2510.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.51 GHz Trig Free</p> <p>Center 2.510 00 GHz Span 40 MHz</p> <p>Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8662 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB Bandwidth 19.094 MHz x dB -26.00 dB</p> <p>Transmit Freq Error 8.629 kHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2535.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.535 GHz Trig Free</p> <p>Center 2.535 00 GHz Span 40 MHz</p> <p>Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.9323 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB Bandwidth 19.049 MHz x dB -26.00 dB</p> <p>Transmit Freq Error -26.422 kHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>
2560.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 2.56 GHz Trig Free</p> <p>Center 2.560 00 GHz Span 40 MHz</p> <p>Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 17.8464 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB Bandwidth 19.049 MHz x dB -26.00 dB</p> <p>Transmit Freq Error -19.589 kHz</p> <p>Copyright 2000-2006 Agilent Technologies</p>

LTE Band 13 (Channel Bandwidth: 5 MHz) _ QPSK	
779.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 779.5 MHz Trig Free</p> <p>Center 779.50 MHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4847 MHz</p> <p>Transmit Freq Error 9.199 kHz</p> <p>x dB Bandwidth 4.858 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>
782.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 782 MHz Trig Free</p> <p>Center 782.00 MHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4634 MHz</p> <p>Transmit Freq Error 10.291 kHz</p> <p>x dB Bandwidth 4.834 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>
784.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 784.5 MHz Trig Free</p> <p>Center 784.50 MHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4590 MHz</p> <p>Transmit Freq Error -7.565 kHz</p> <p>x dB Bandwidth 4.866 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>



LTE Band 13 (Channel Bandwidth: 5 MHz) _ 16QAM	
779.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 779.5 MHz Trig Free</p> <p>Center 779.50 MHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4703 MHz</p> <p>Transmit Freq Error 6.371 kHz</p> <p>x dB Bandwidth 4.903 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>
782.0 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 782 MHz Trig Free</p> <p>Center 782.00 MHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4618 MHz</p> <p>Transmit Freq Error 10.342 kHz</p> <p>x dB Bandwidth 4.834 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>
784.5 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 784.5 MHz Trig Free</p> <p>Center 784.50 MHz Span 10 MHz</p> <p>Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts)</p> <p>Occupied Bandwidth 4.4575 MHz</p> <p>Transmit Freq Error -7.280 kHz</p> <p>x dB Bandwidth 4.834 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Copyright 2000-2006 Agilent Technologies</p>



6 Peak to Average Ratio Test

6.1. Limit

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.

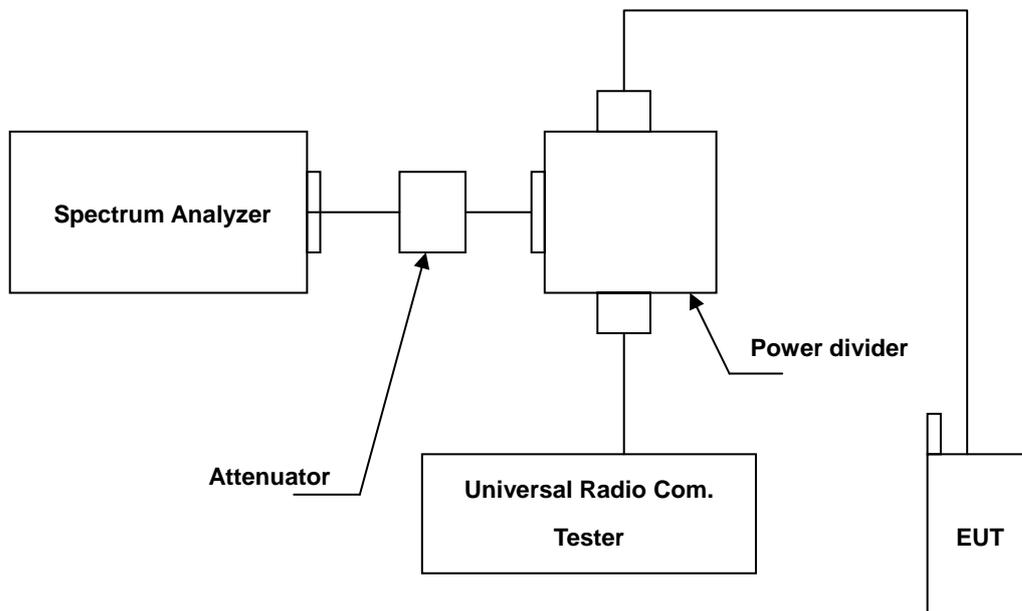
6.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/14/2015	(1)
Wideband Radio Communication Test	R & S	CMW500	103168	11/05/2014	(1)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

6.3. Setup



6.4. Test Procedure

The measurement is made according to FCC rules:

- 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%.

6.5. Uncertainty

The measurement uncertainty is defined as for Conducted Power measurement is 1.2 dB.

6.6. Test Result

Model Number	AC791L		
Test Item	Peak to Average Ratio		
Date of Test	05/06/2015	Test Site	TE05

LTE Band 2				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	1880.0	3.98	< 13
	3 MHz	1880.0	3.97	< 13
	5 MHz	1880.0	3.85	< 13
	10 MHz	1880.0	3.53	< 13
	15 MHz	1880.0	3.28	< 13
	20 MHz	1880.0	3.04	< 13
16QAM	1.4 MHz	1880.0	4.94	< 13
	3 MHz	1880.0	4.55	< 13
	5 MHz	1880.0	4.62	< 13
	10 MHz	1880.0	4.31	< 13
	15 MHz	1880.0	4.00	< 13
	20 MHz	1880.0	3.74	< 13

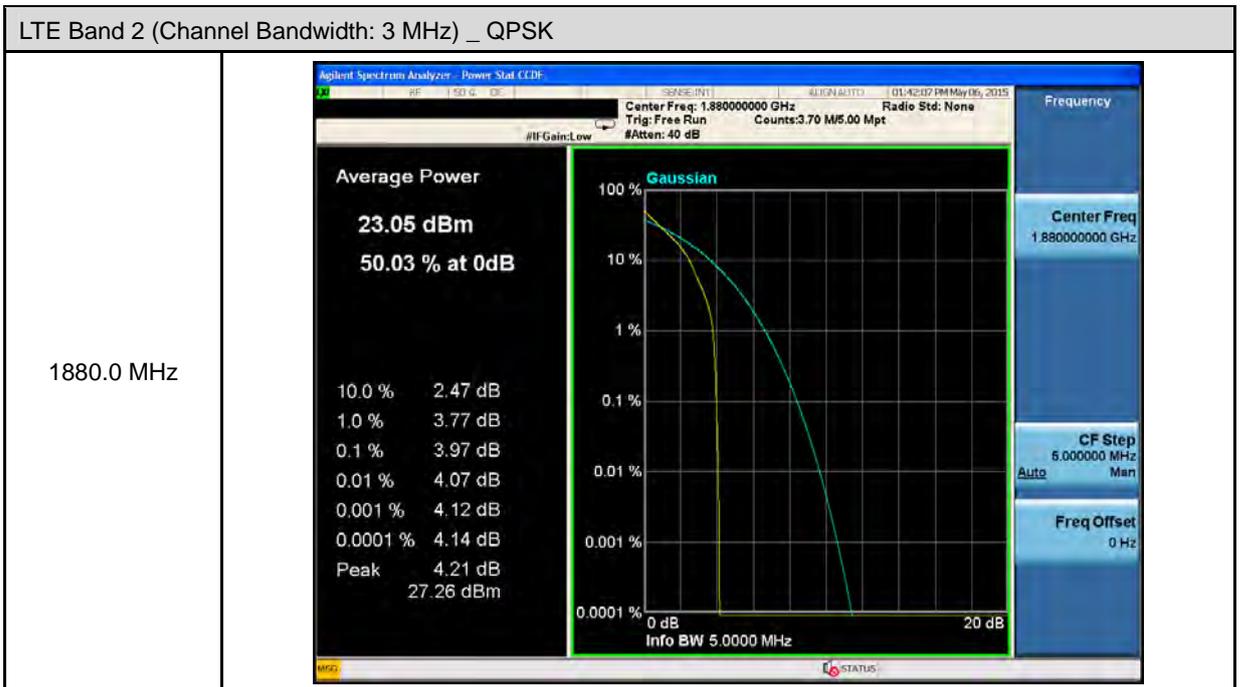
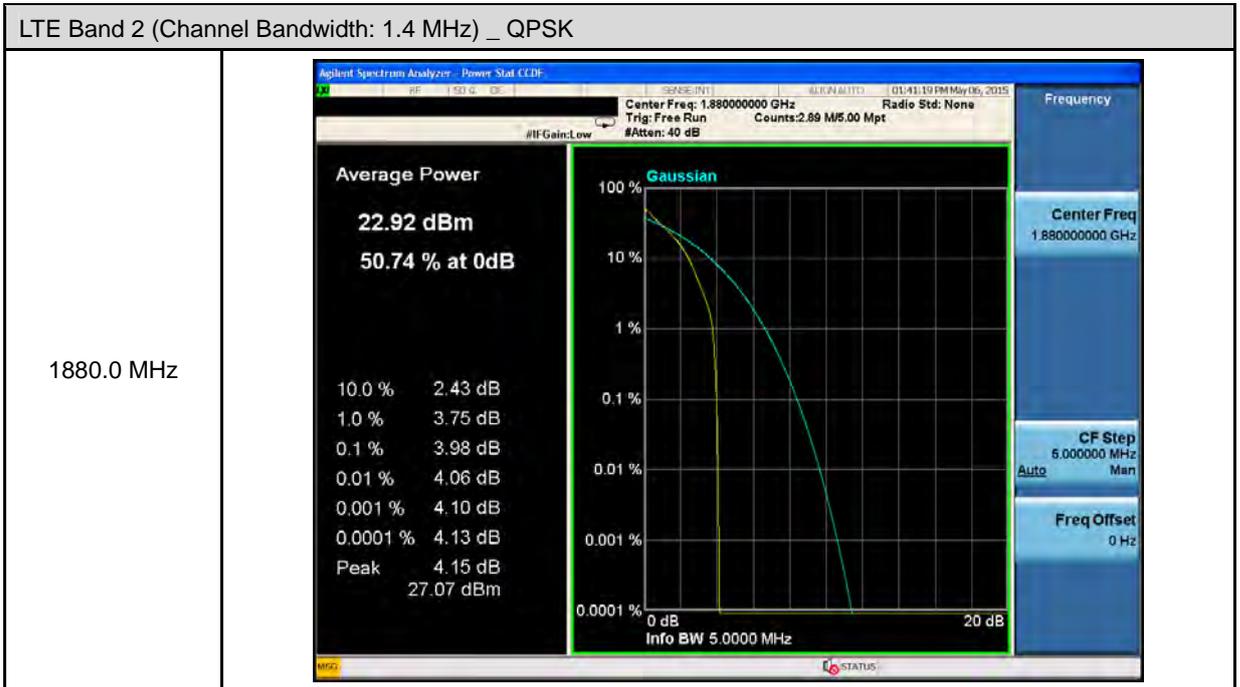
LTE Band 4				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	1732.5	3.78	< 13
	3 MHz	1732.5	3.77	< 13
	5 MHz	1732.5	3.68	< 13
	10 MHz	1732.5	3.48	< 13
	15 MHz	1732.5	3.24	< 13
	20 MHz	1732.5	3.10	< 13
16QAM	1.4 MHz	1732.5	4.83	< 13
	3 MHz	1732.5	4.33	< 13
	5 MHz	1732.5	4.47	< 13
	10 MHz	1732.5	4.10	< 13
	15 MHz	1732.5	3.76	< 13
	20 MHz	1732.5	3.74	< 13

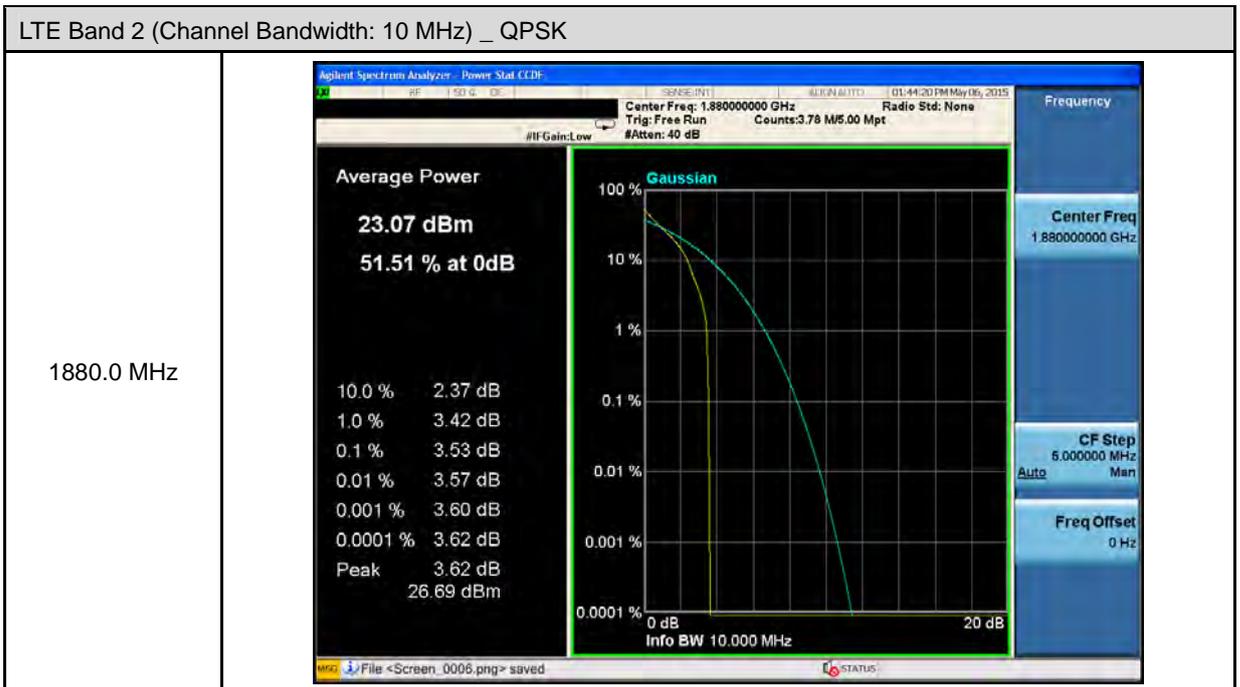
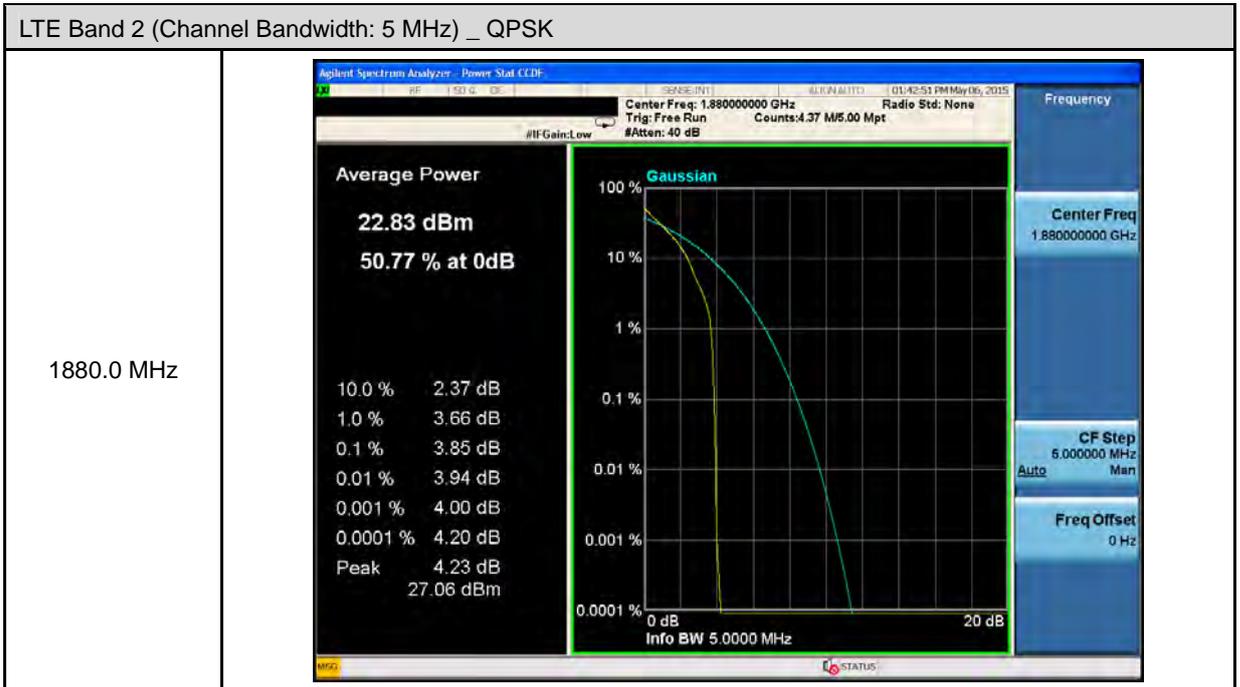
LTE Band 5				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	836.5	4.43	< 13
	3 MHz	836.5	4.37	< 13
	5 MHz	836.5	4.33	< 13
	10 MHz	836.5	3.99	< 13
16QAM	1.4 MHz	836.5	5.37	< 13
	3 MHz	836.5	5.16	< 13
	5 MHz	836.5	5.15	< 13
	10 MHz	836.5	4.69	< 13

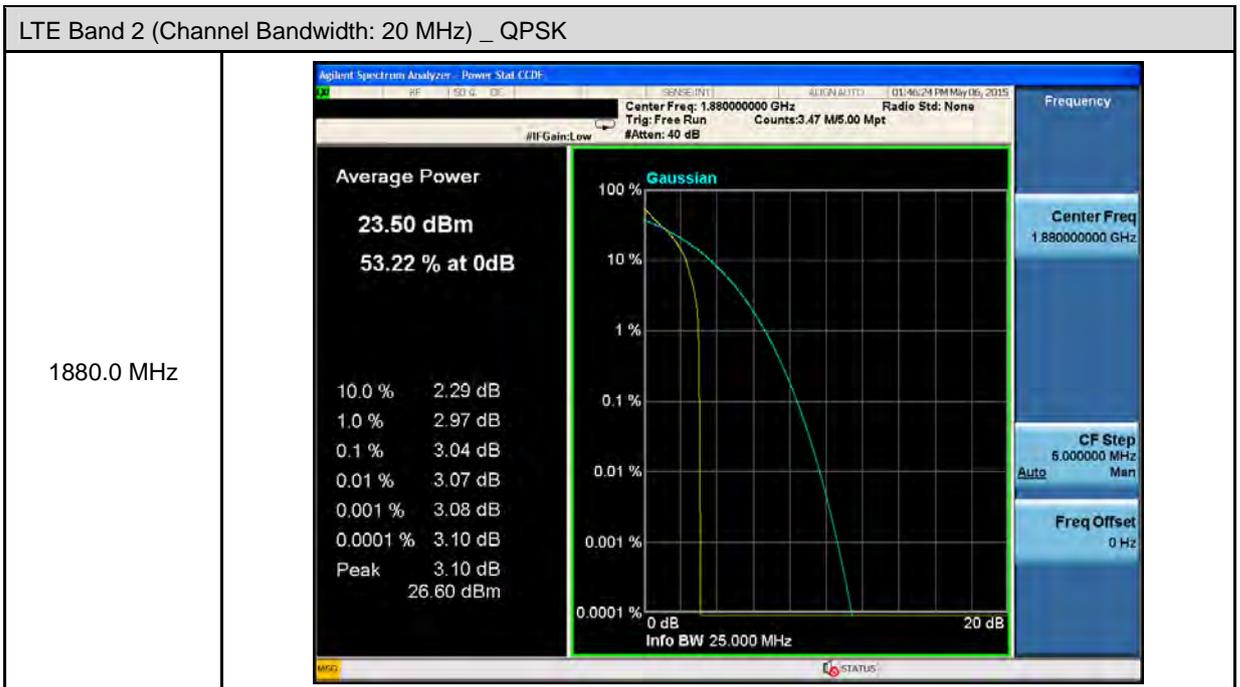
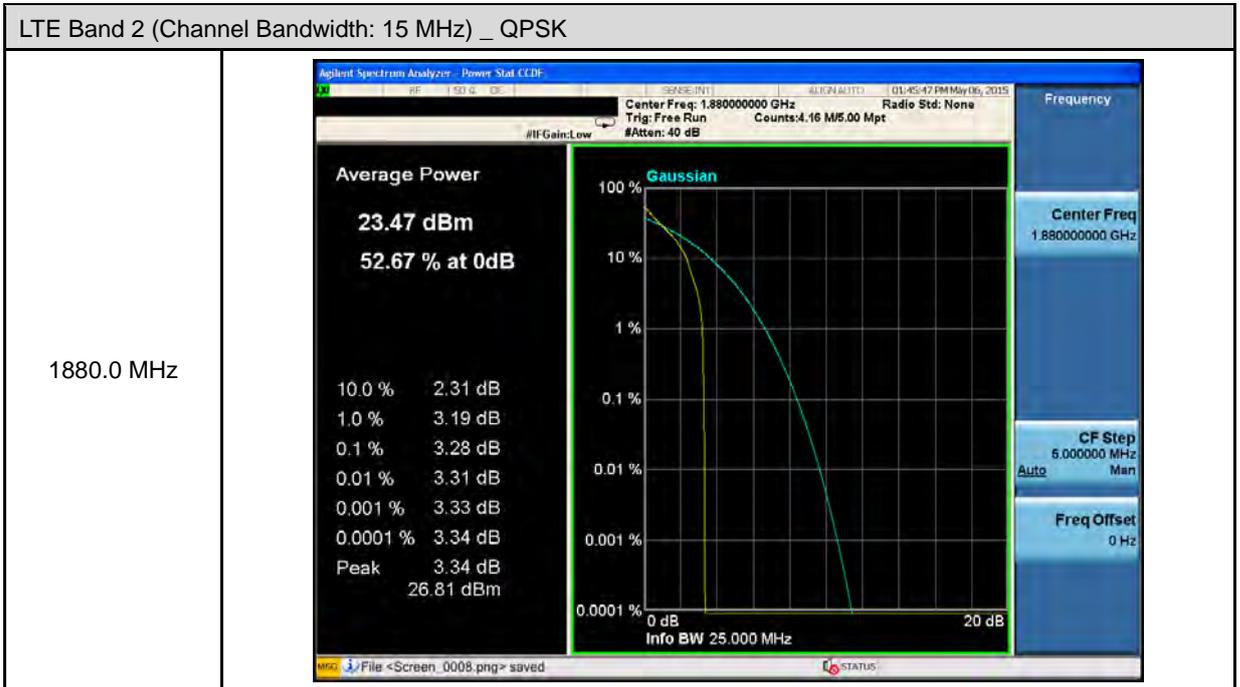
LTE Band 7				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	5 MHz	2535.0	2.81	< 13
	10 MHz	2535.0	2.96	< 13
	15 MHz	2535.0	2.91	< 13
	20 MHz	2535.0	3.00	< 13
16QAM	5 MHz	2535.0	3.58	< 13
	10 MHz	2535.0	3.24	< 13
	15 MHz	2535.0	2.57	< 13
	20 MHz	2535.0	3.63	< 13

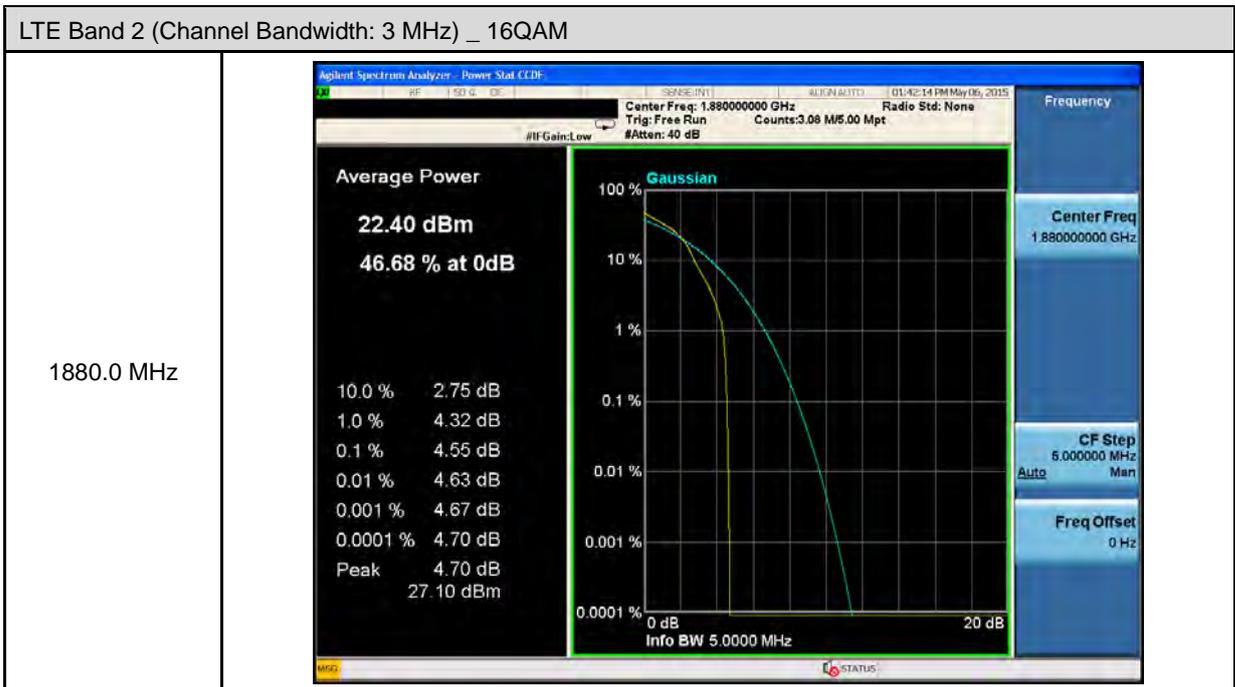
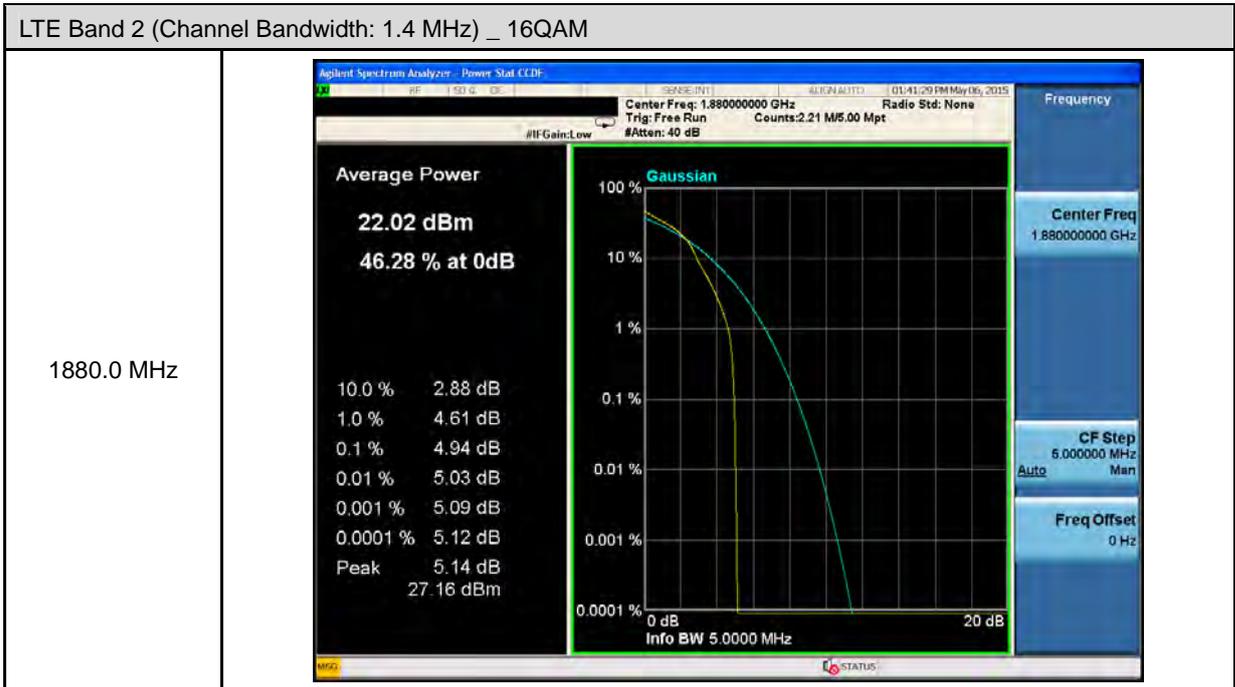
LTE Band 13				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	5 MHz	782.0	3.12	< 13
	10 MHz	782.0	2.60	< 13
16QAM	5 MHz	782.0	3.80	< 13
	10 MHz	782.0	2.91	< 13

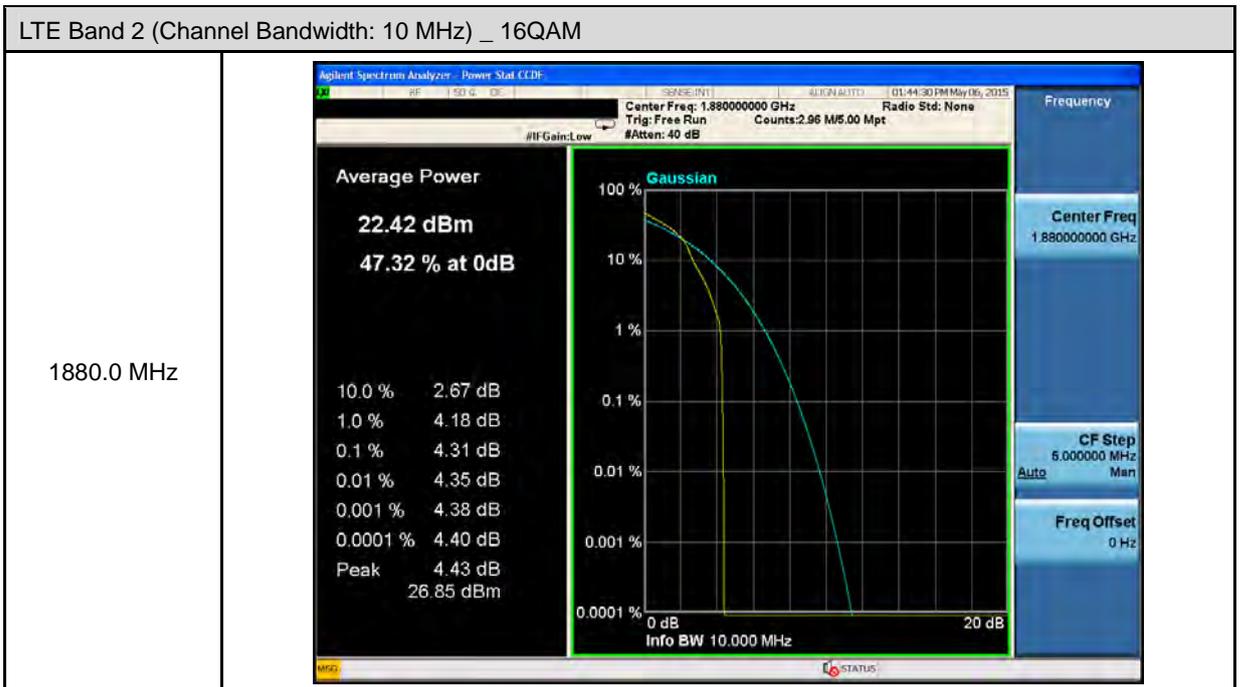
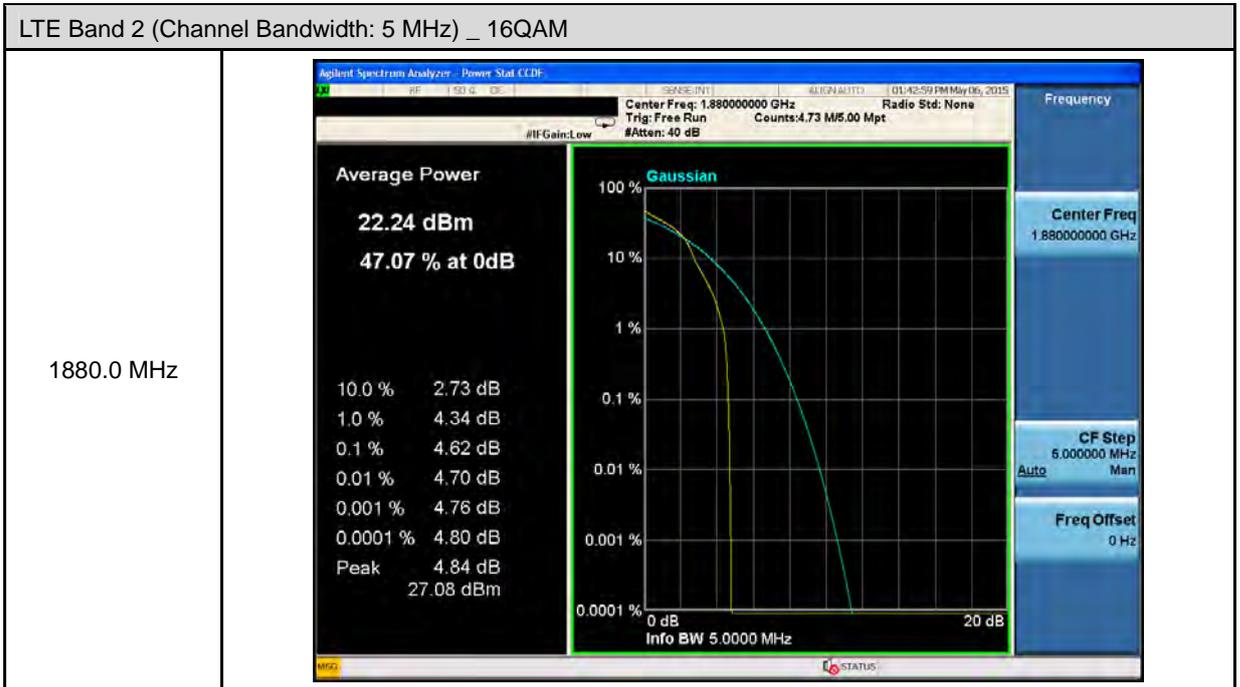
6.7. Test Graphs

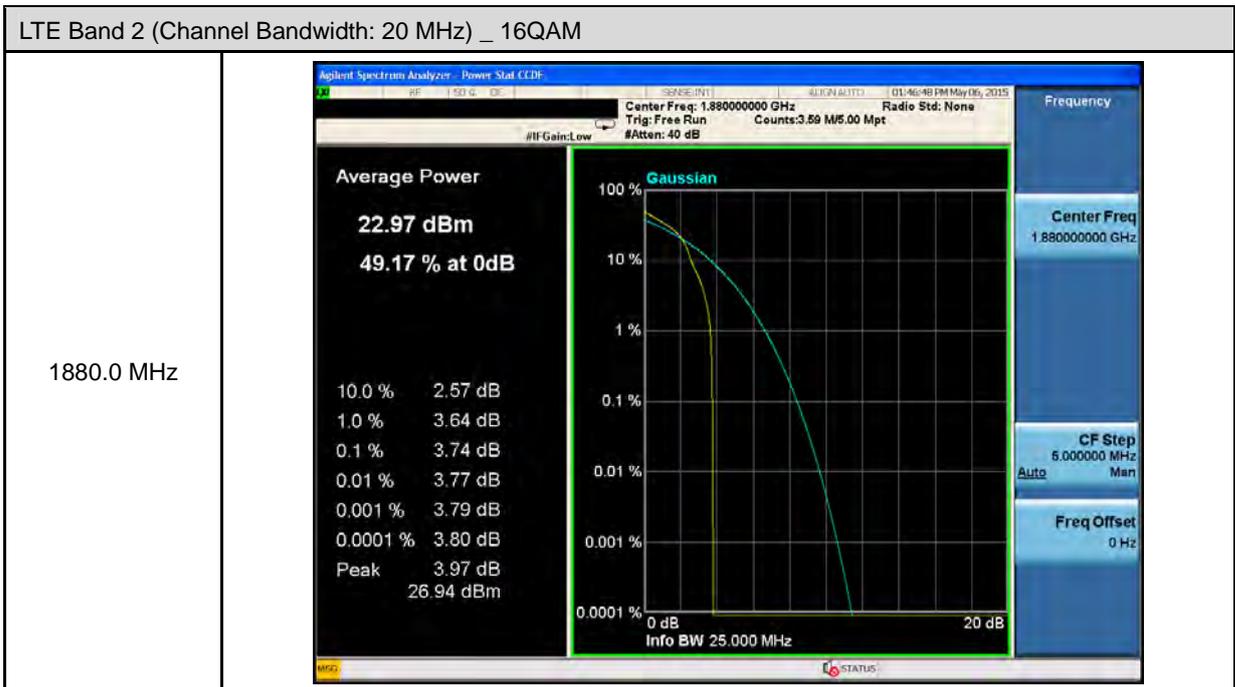
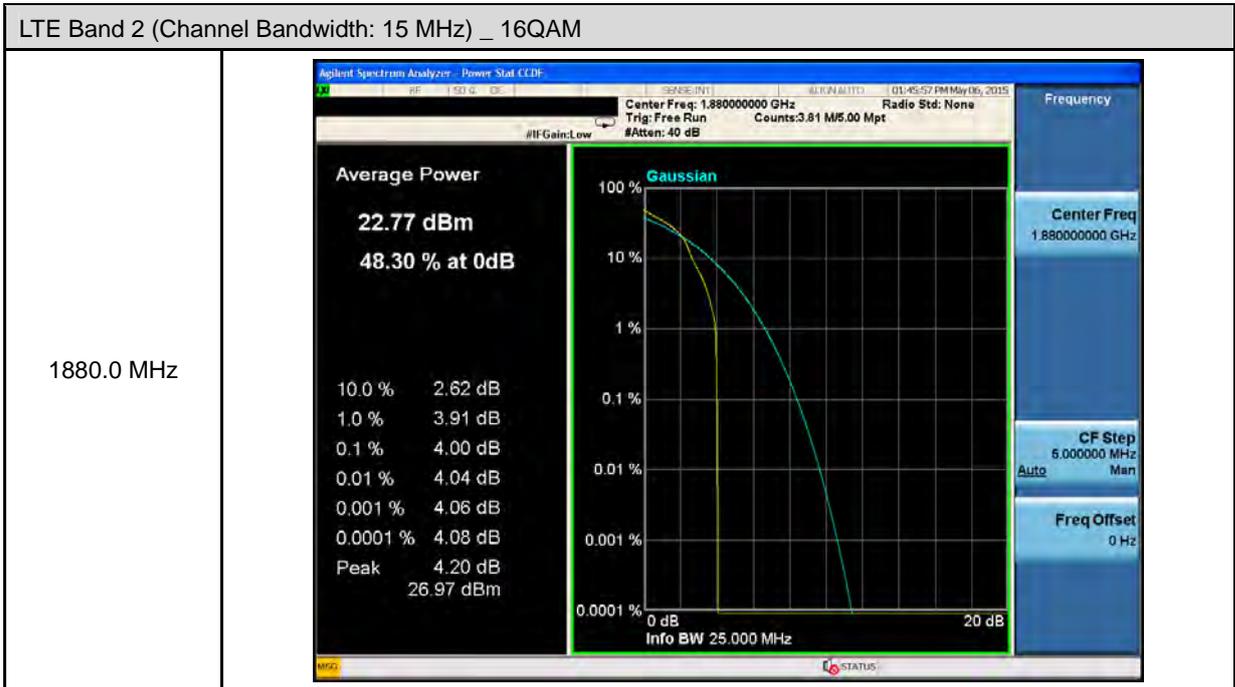


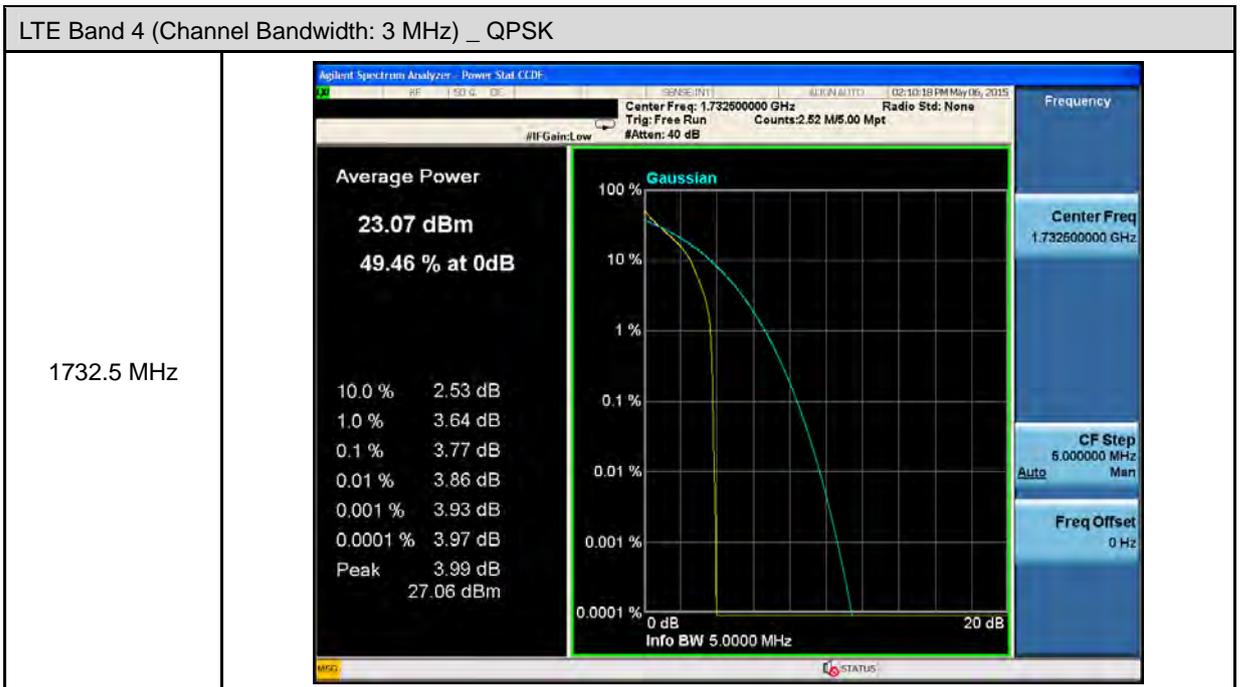
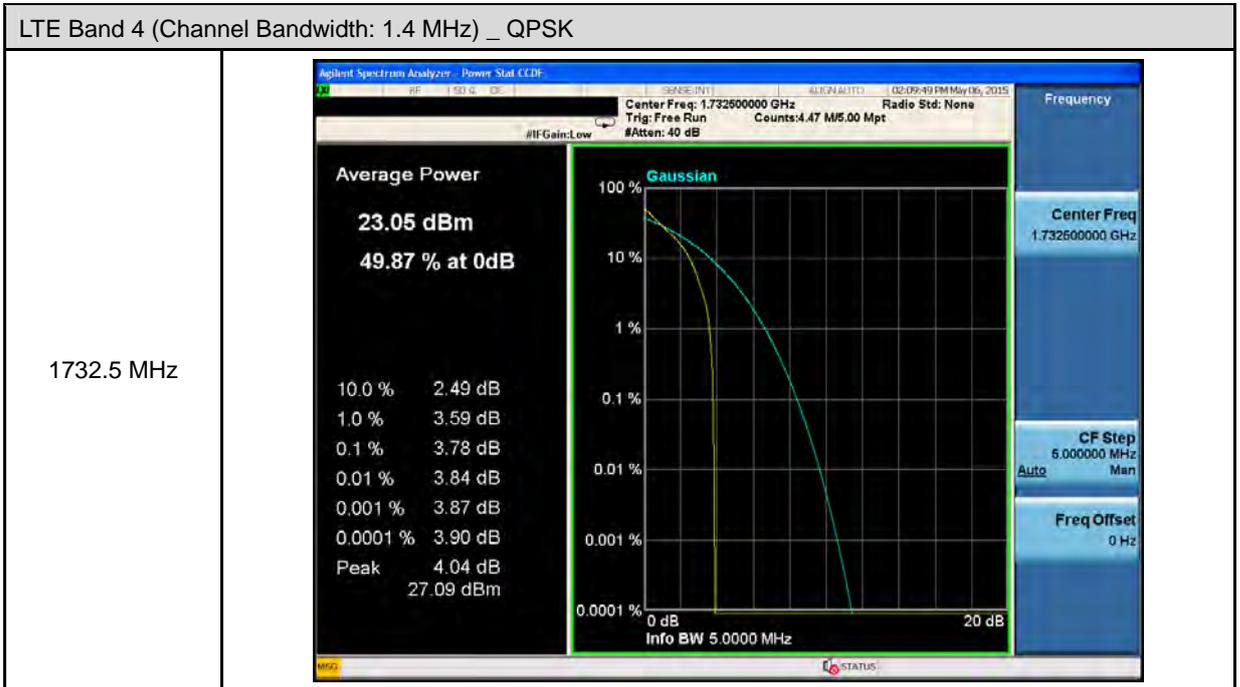


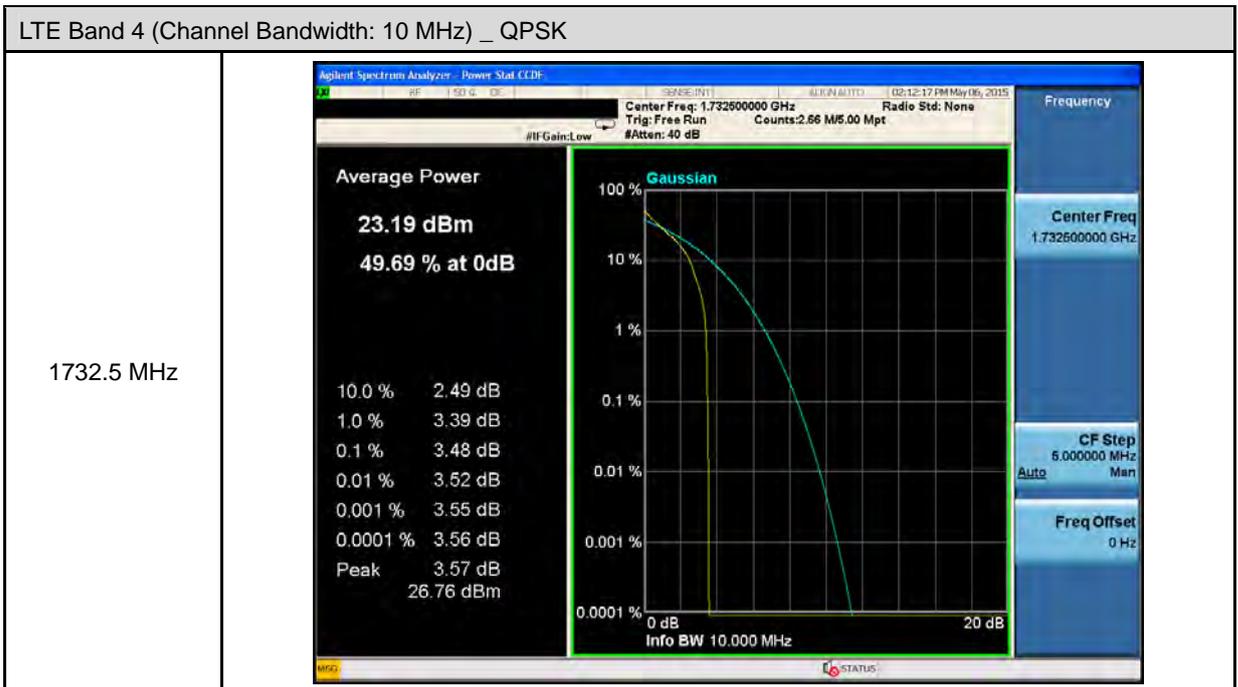
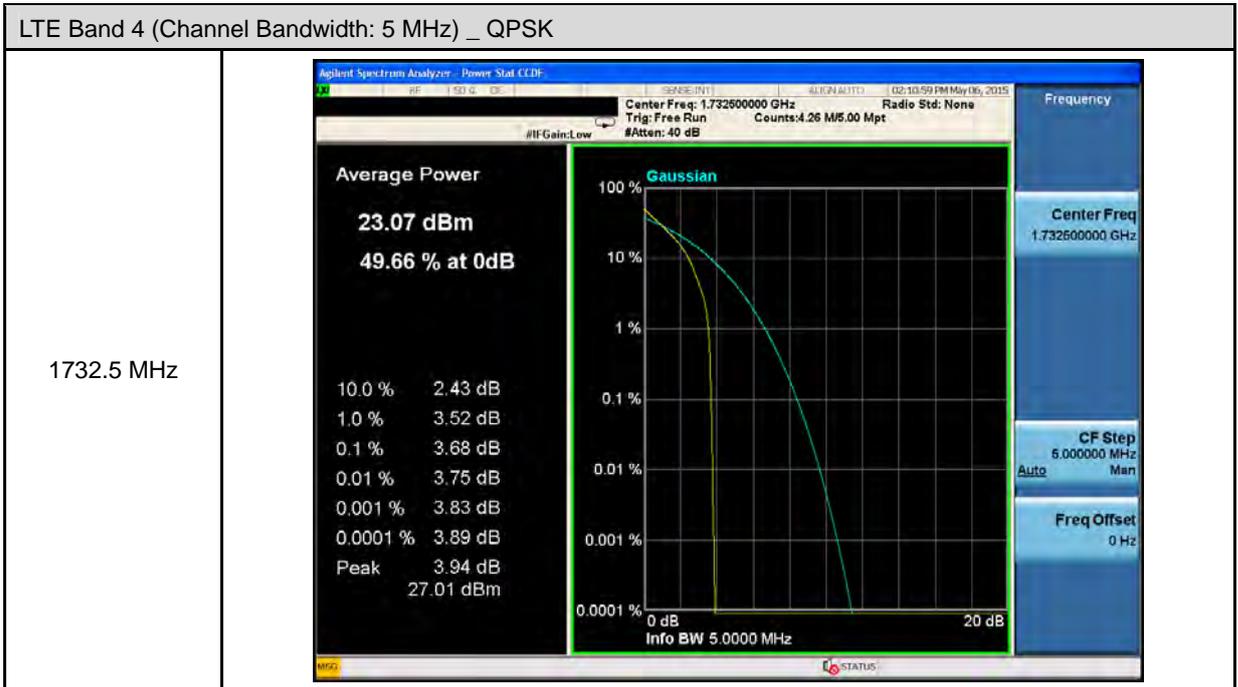


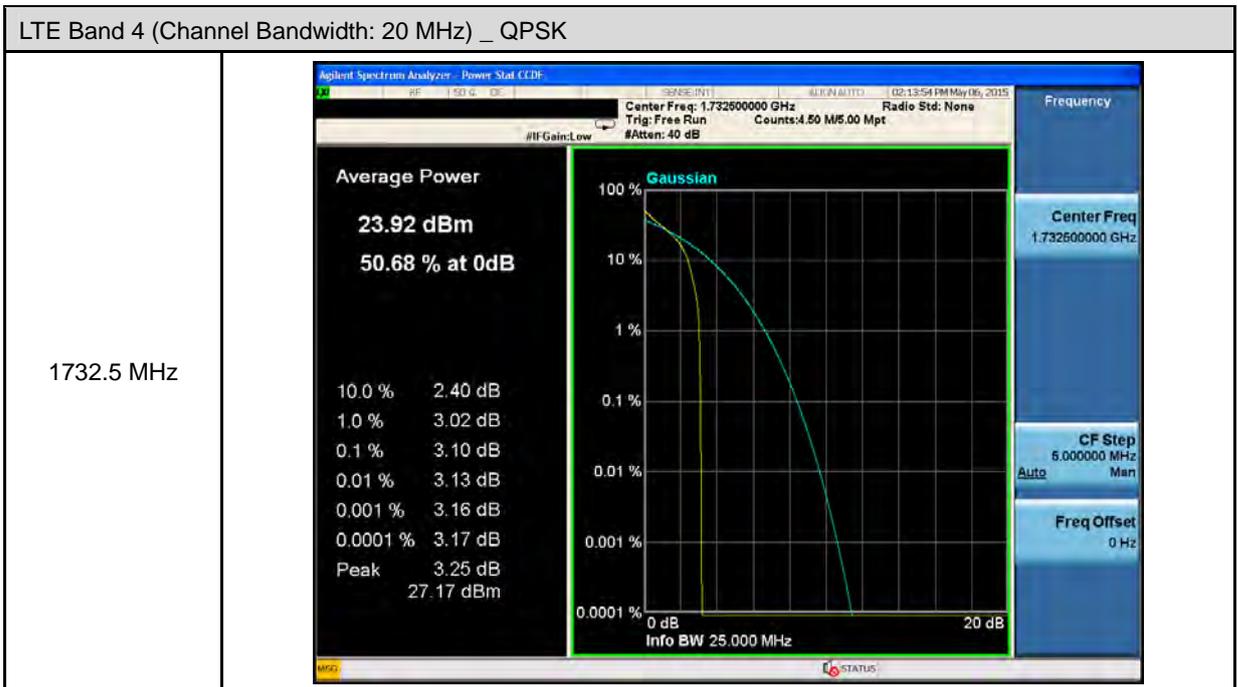
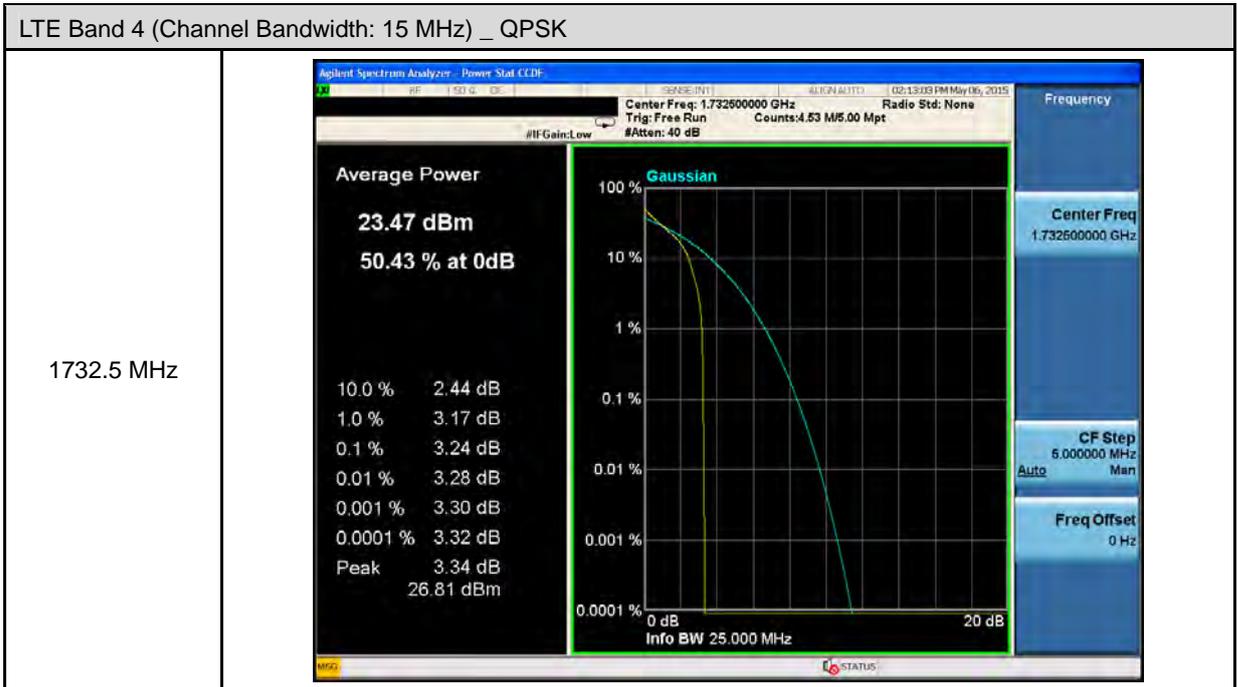


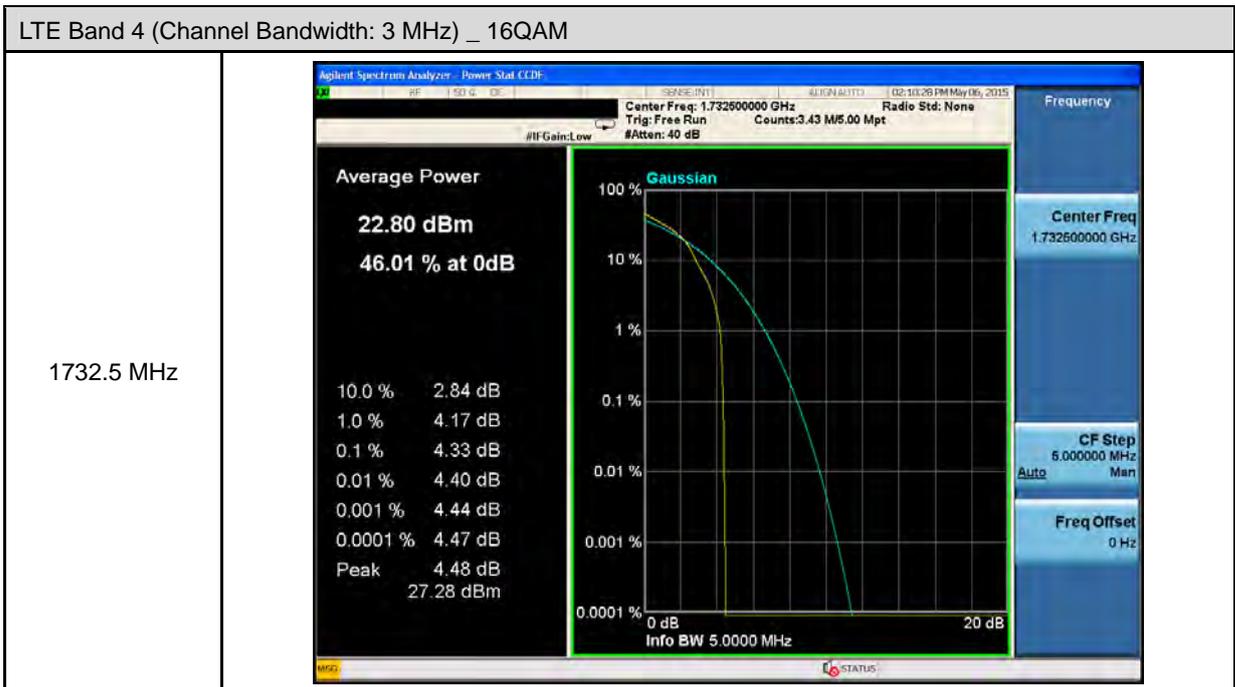
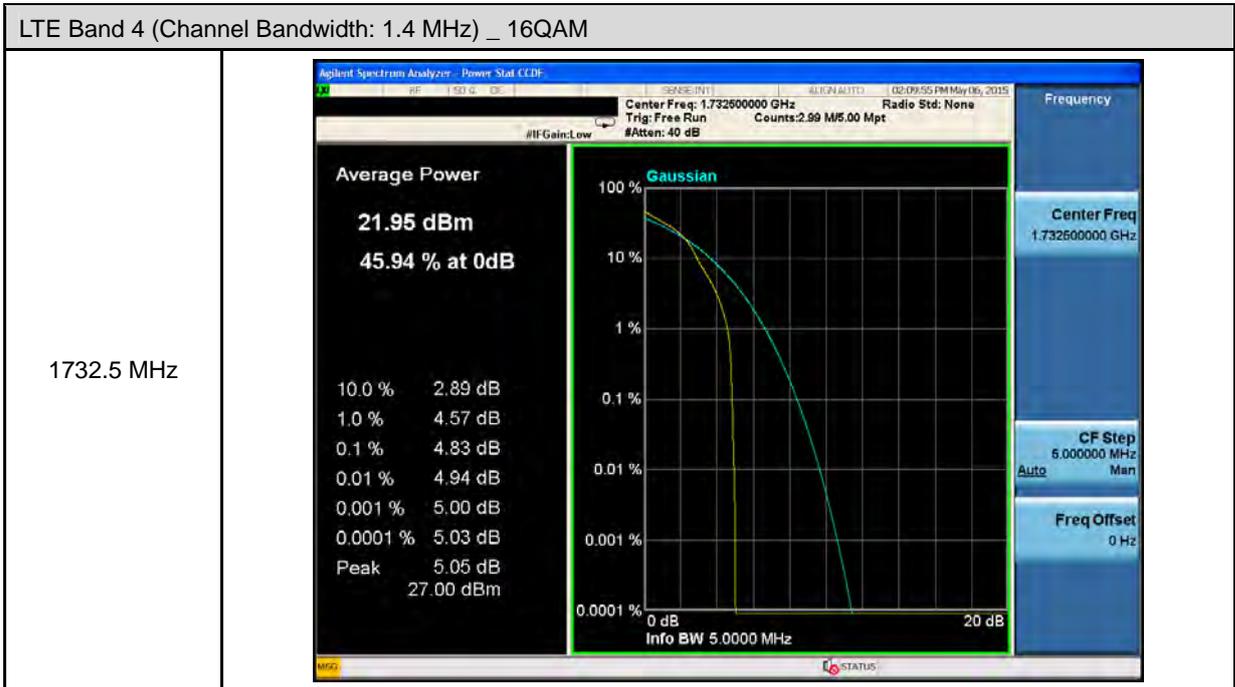


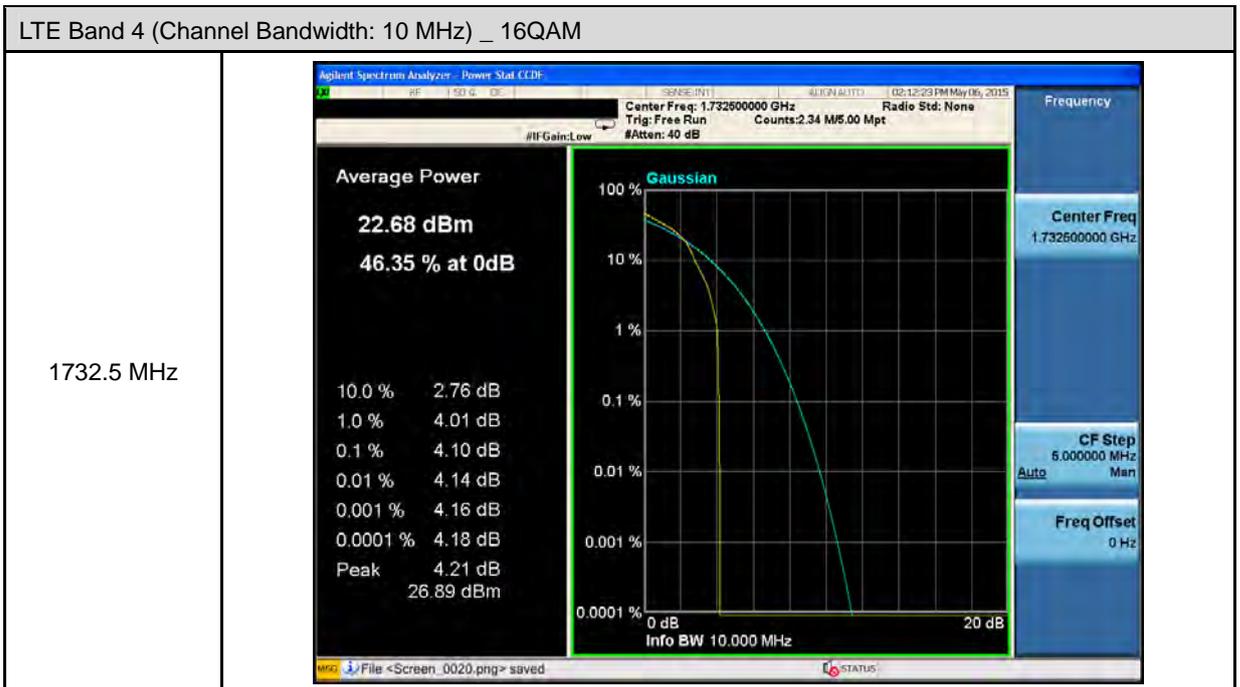
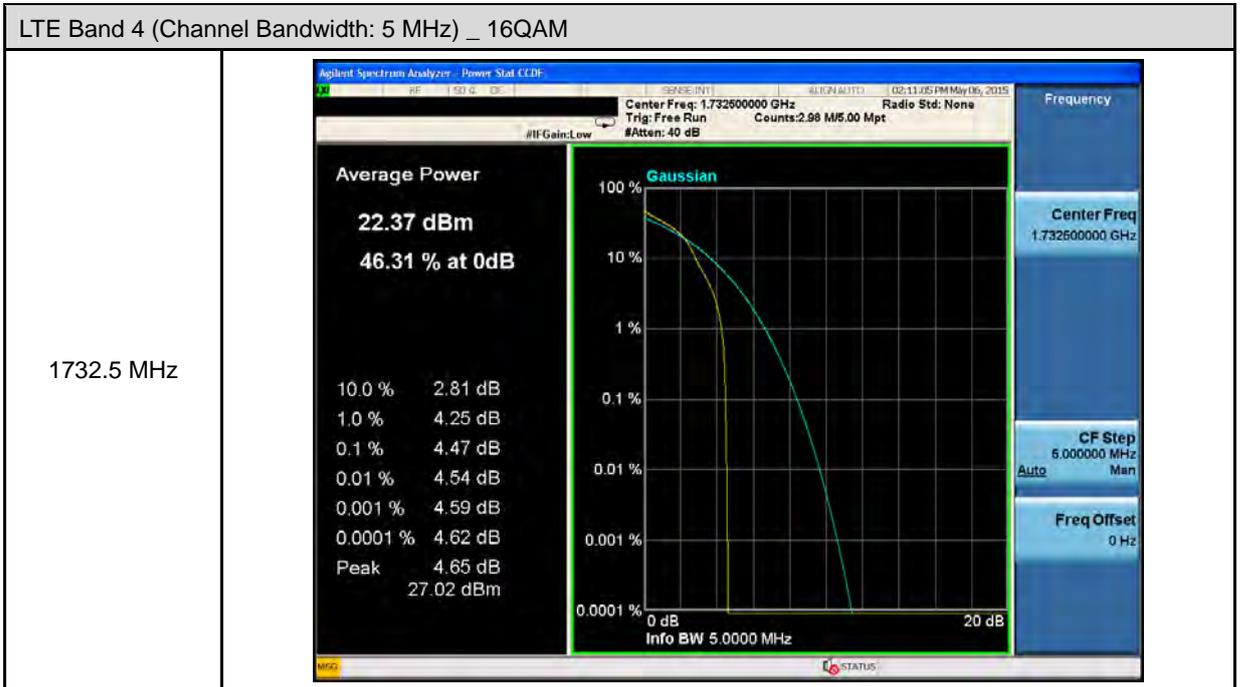


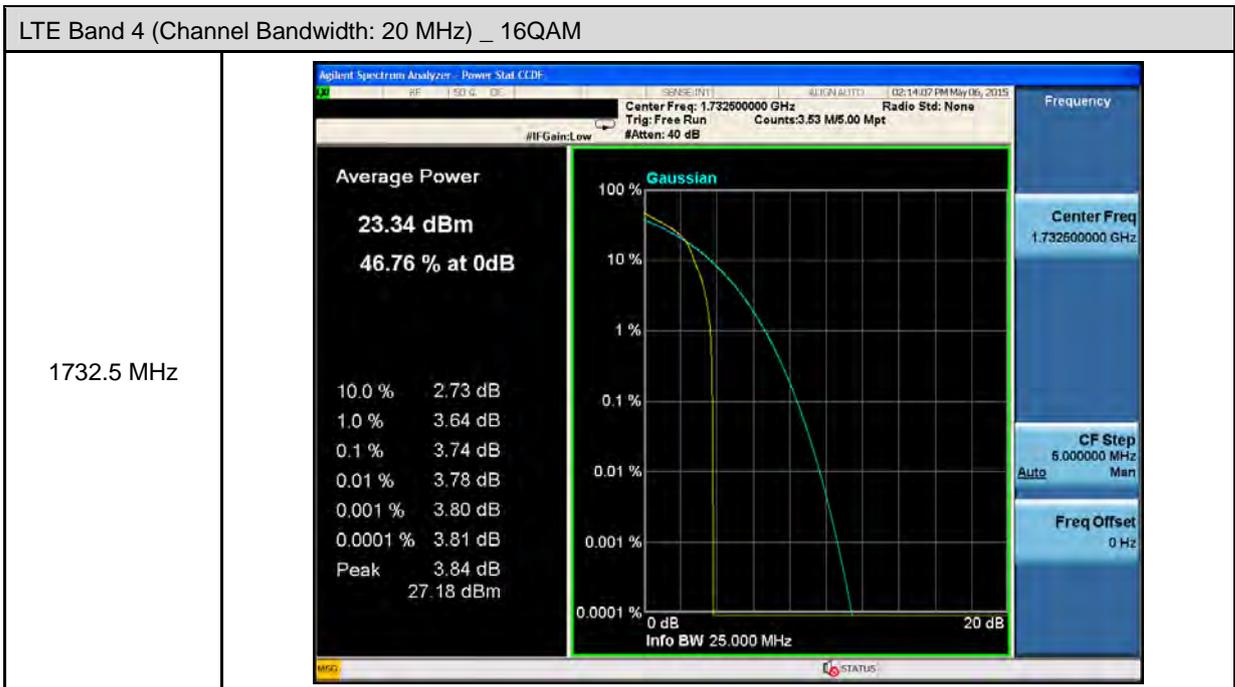
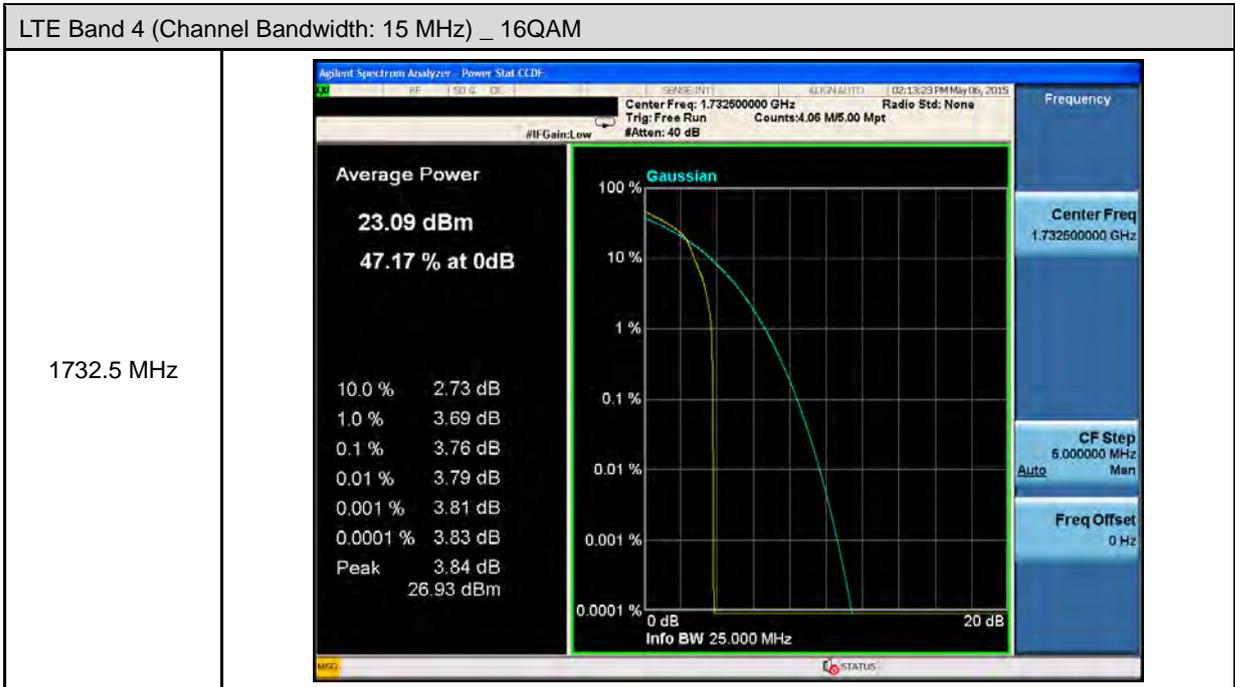


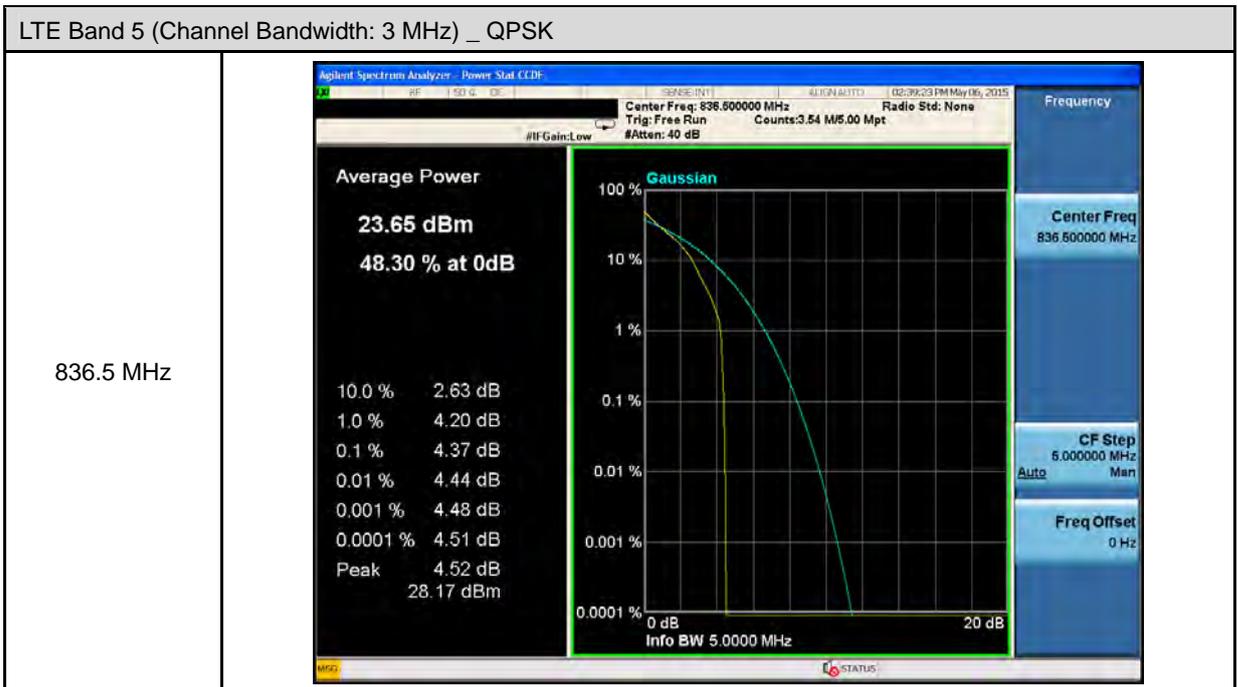
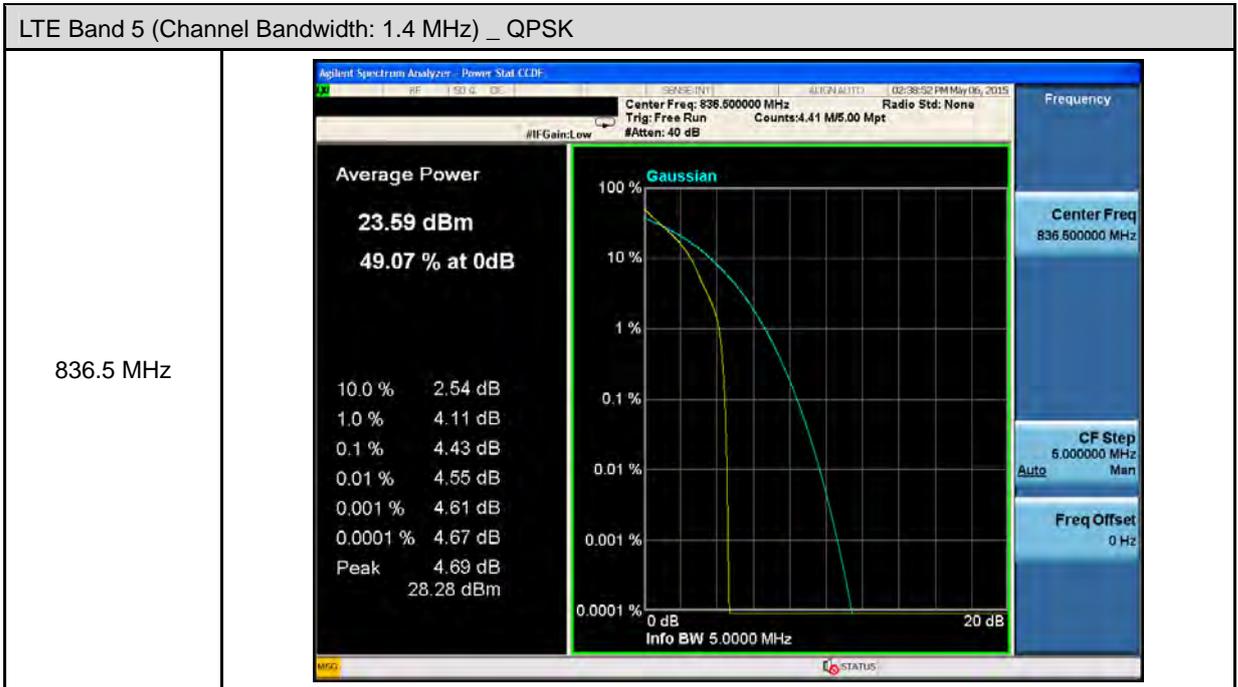


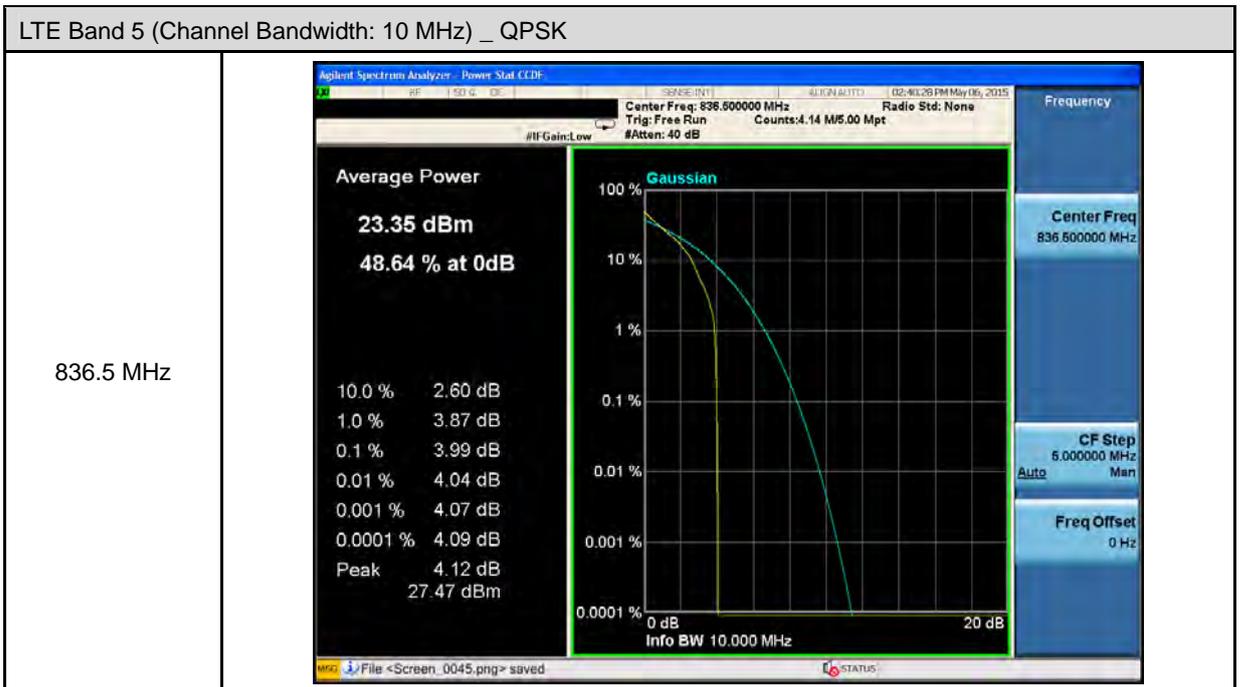
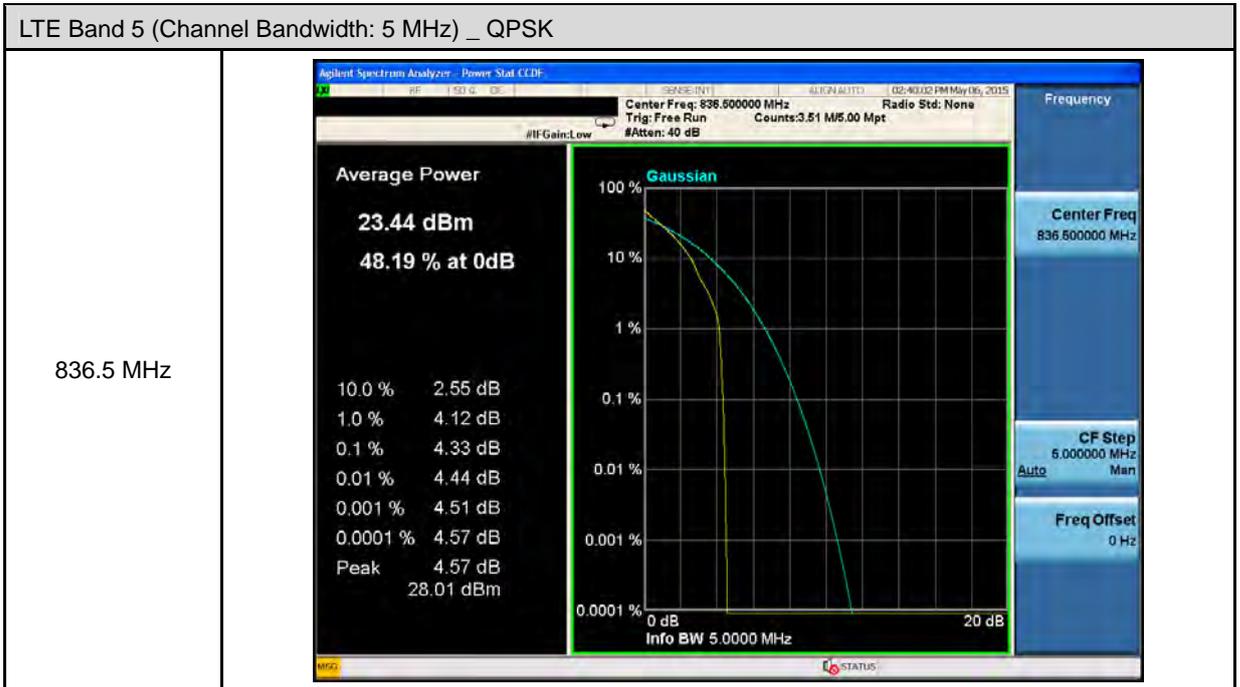


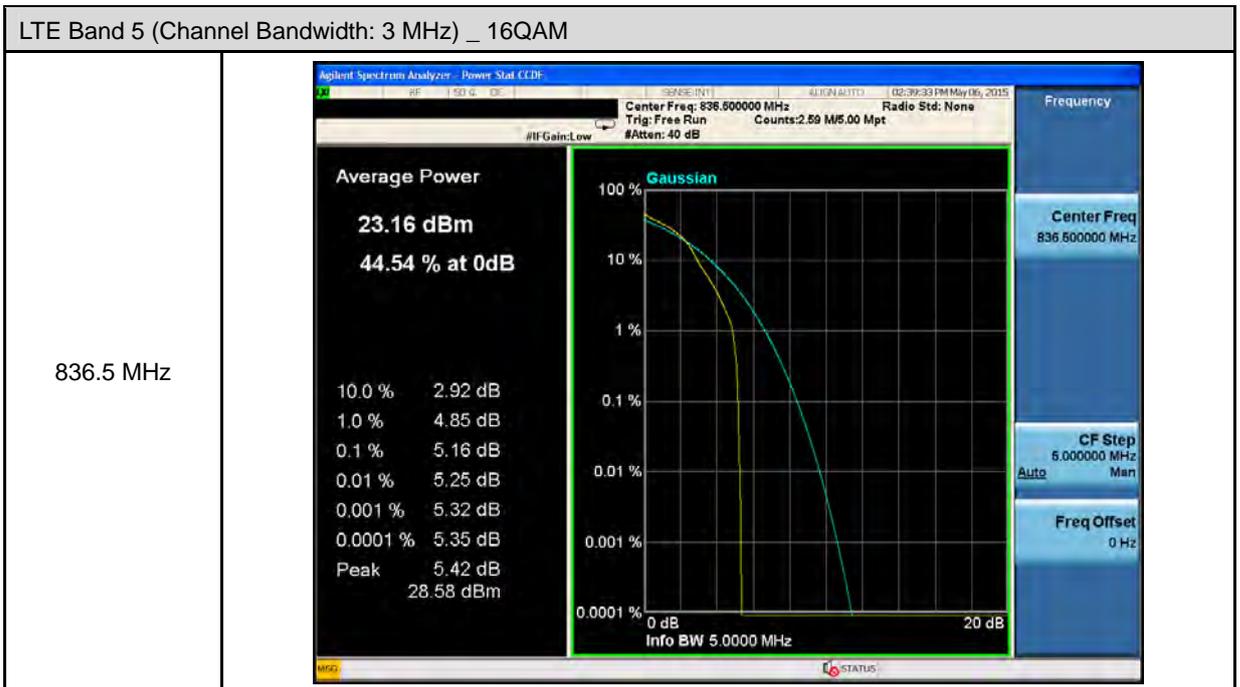
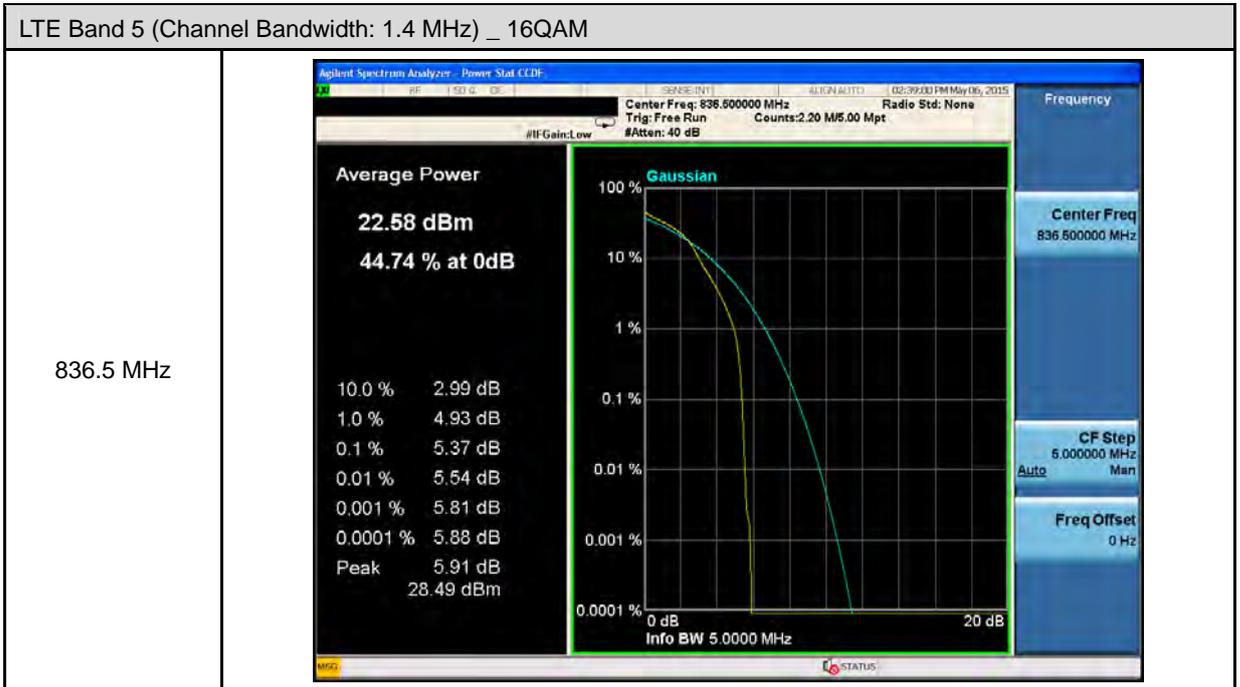


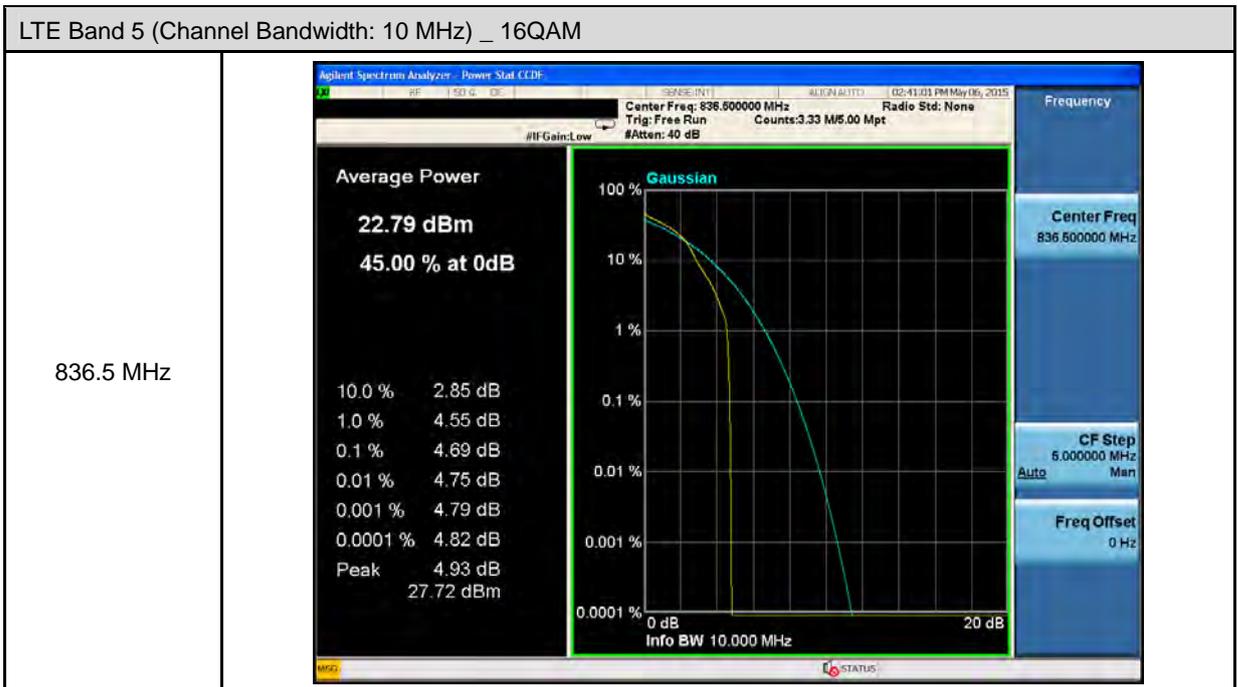
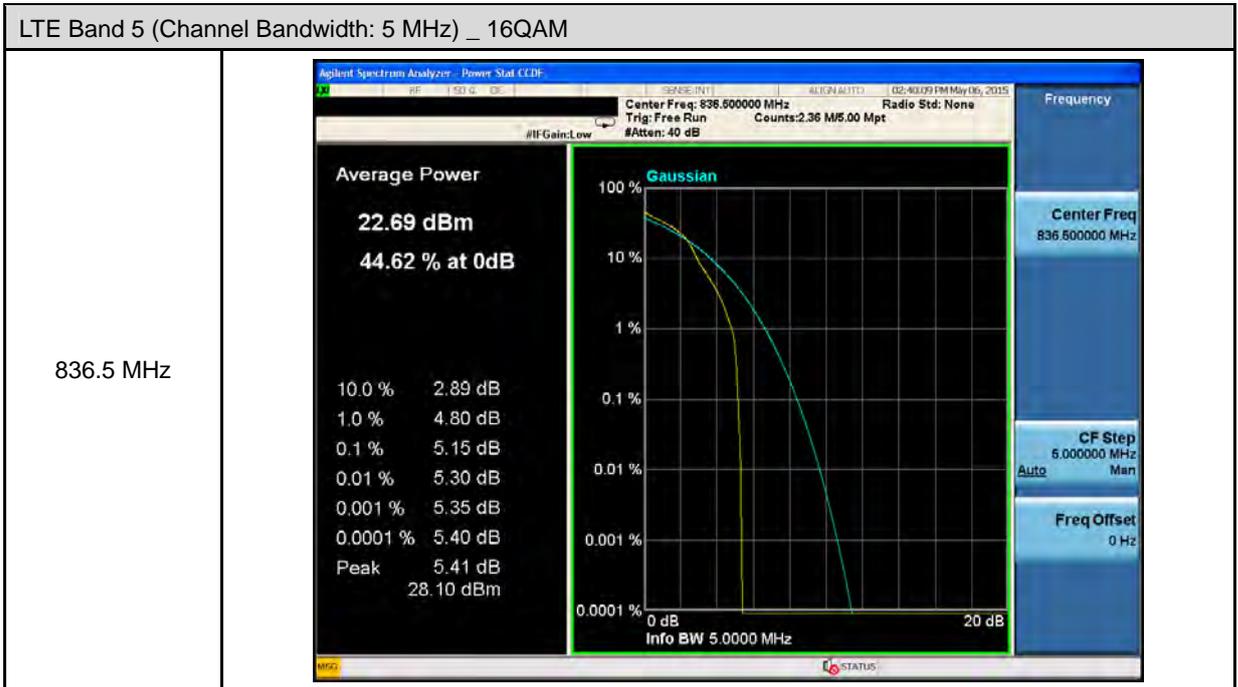


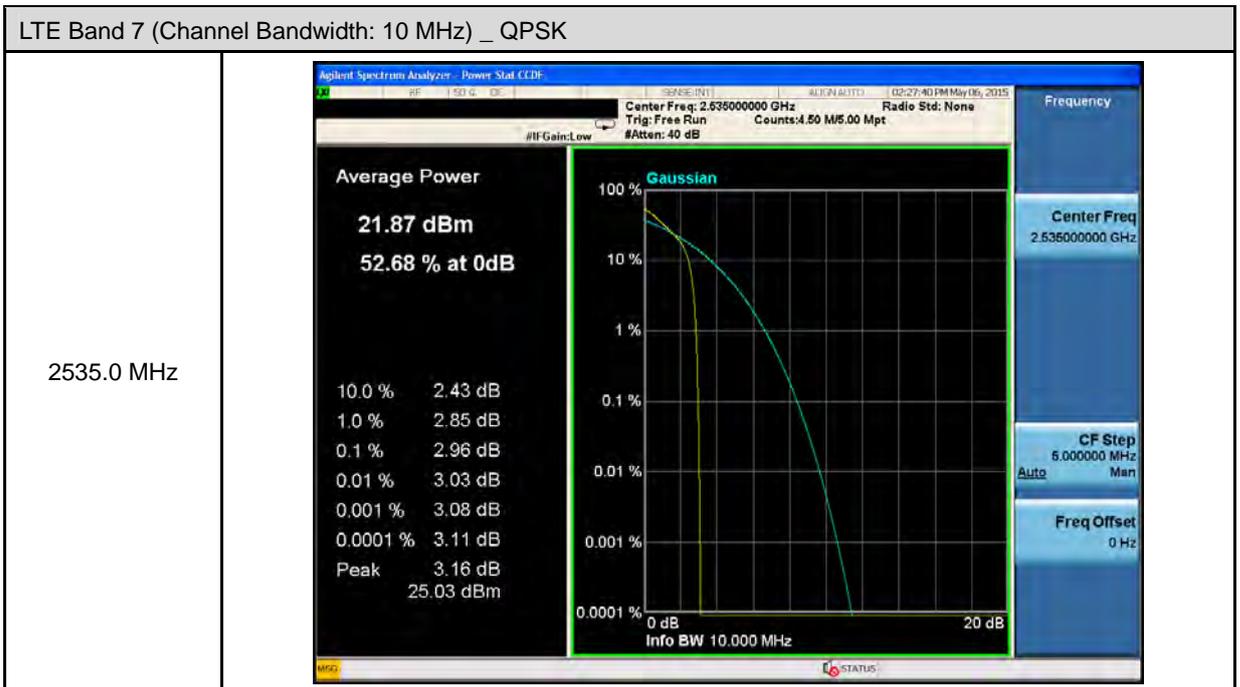
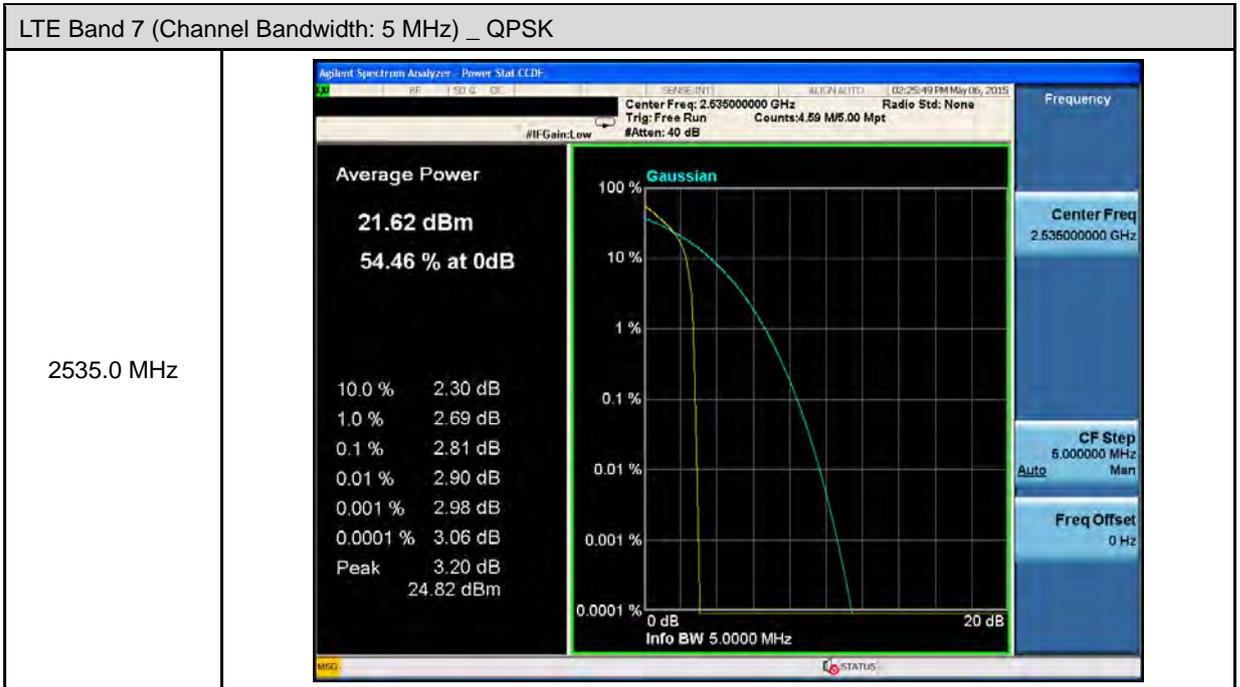


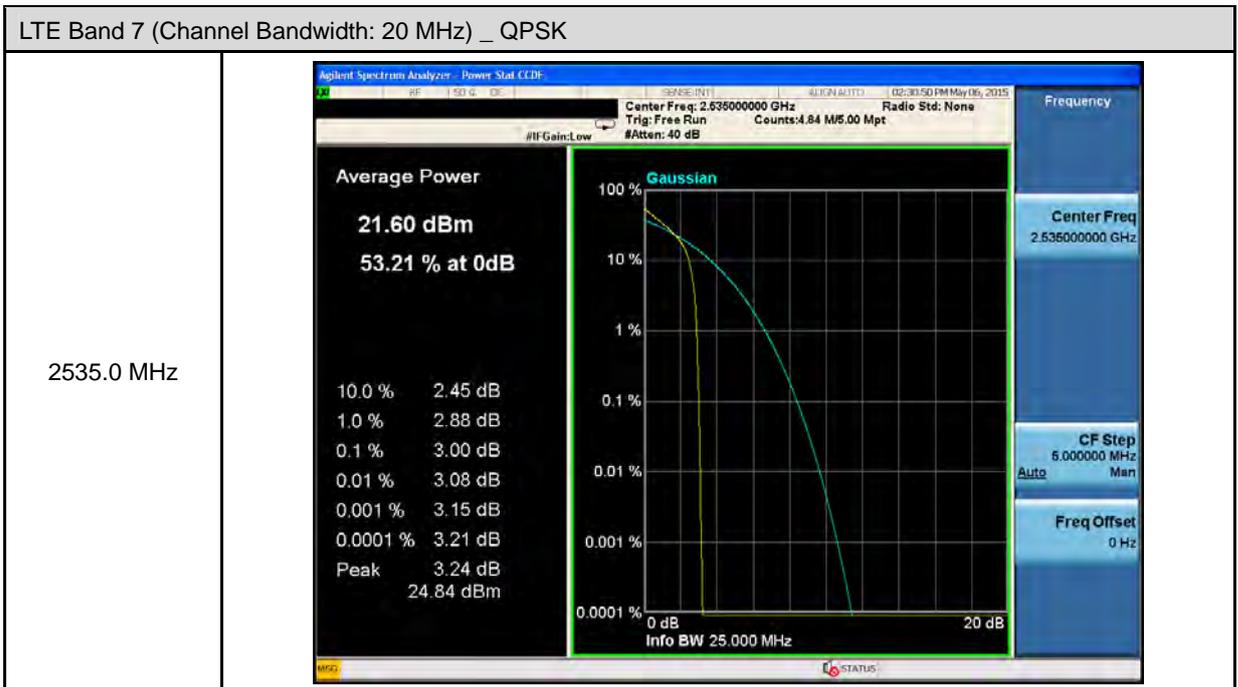
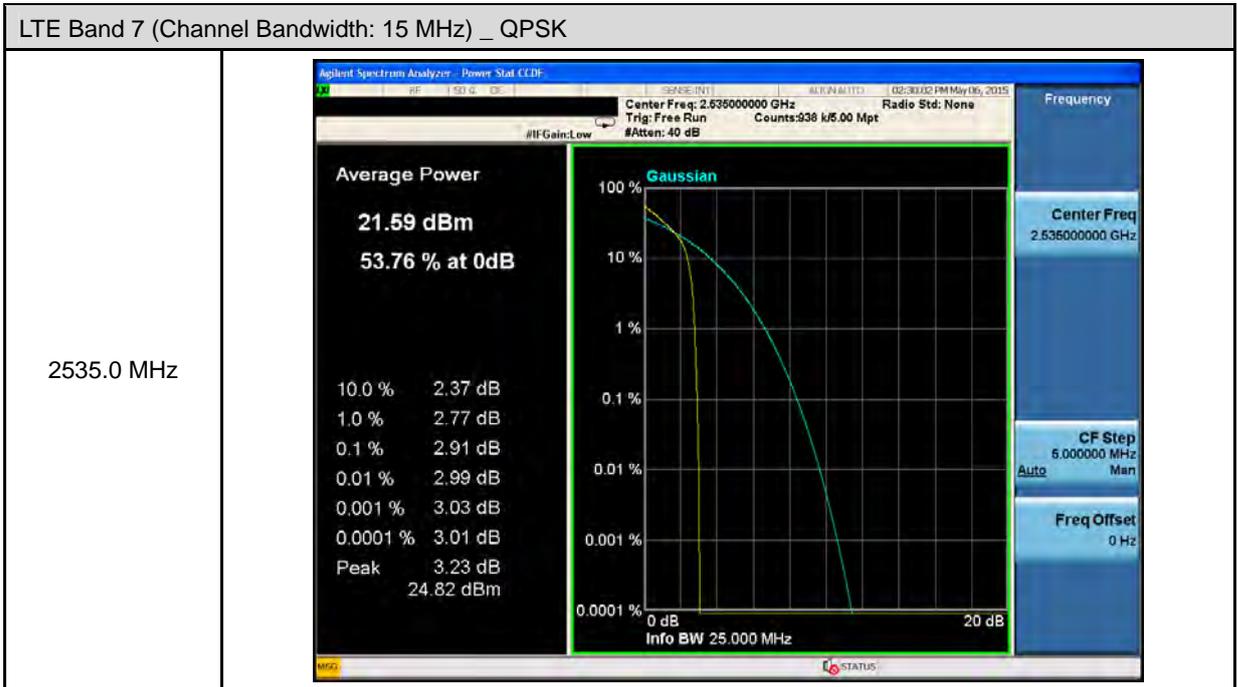


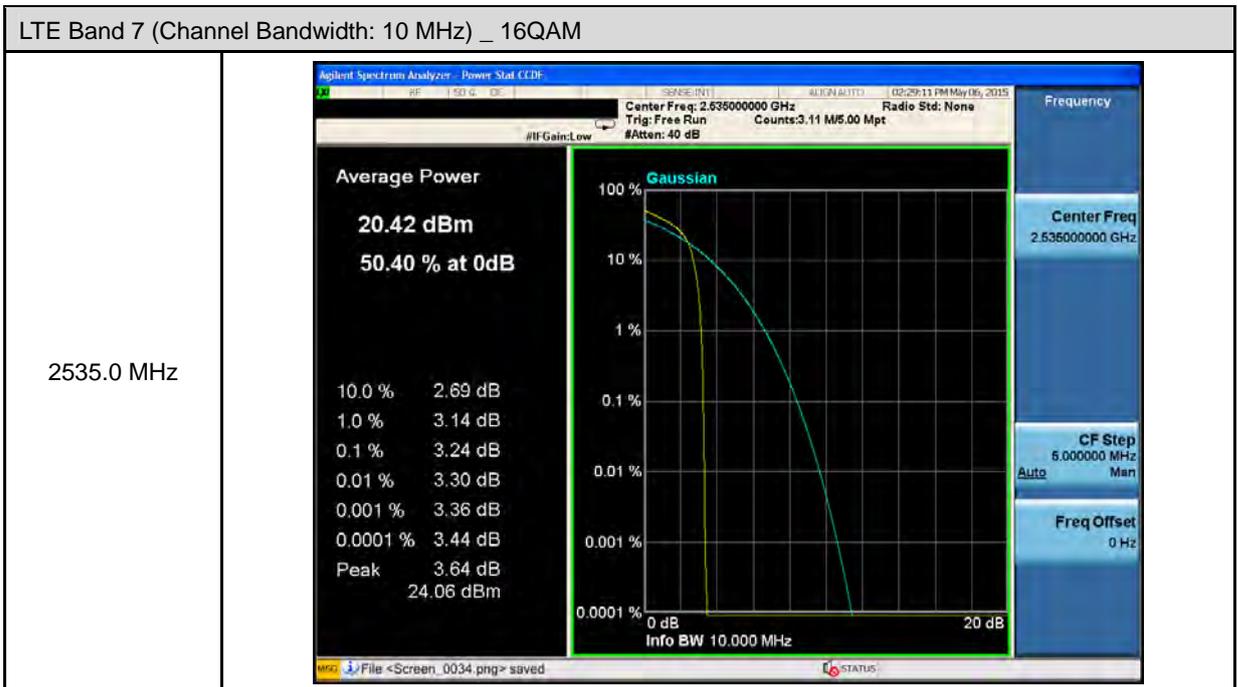
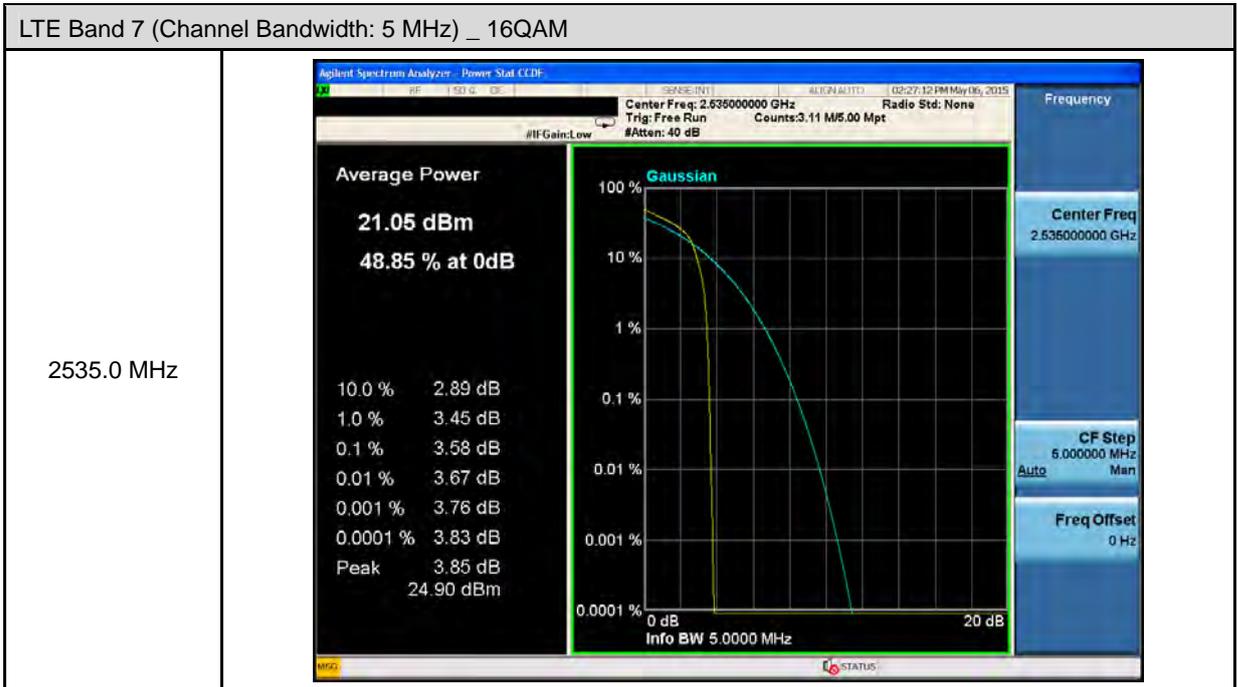


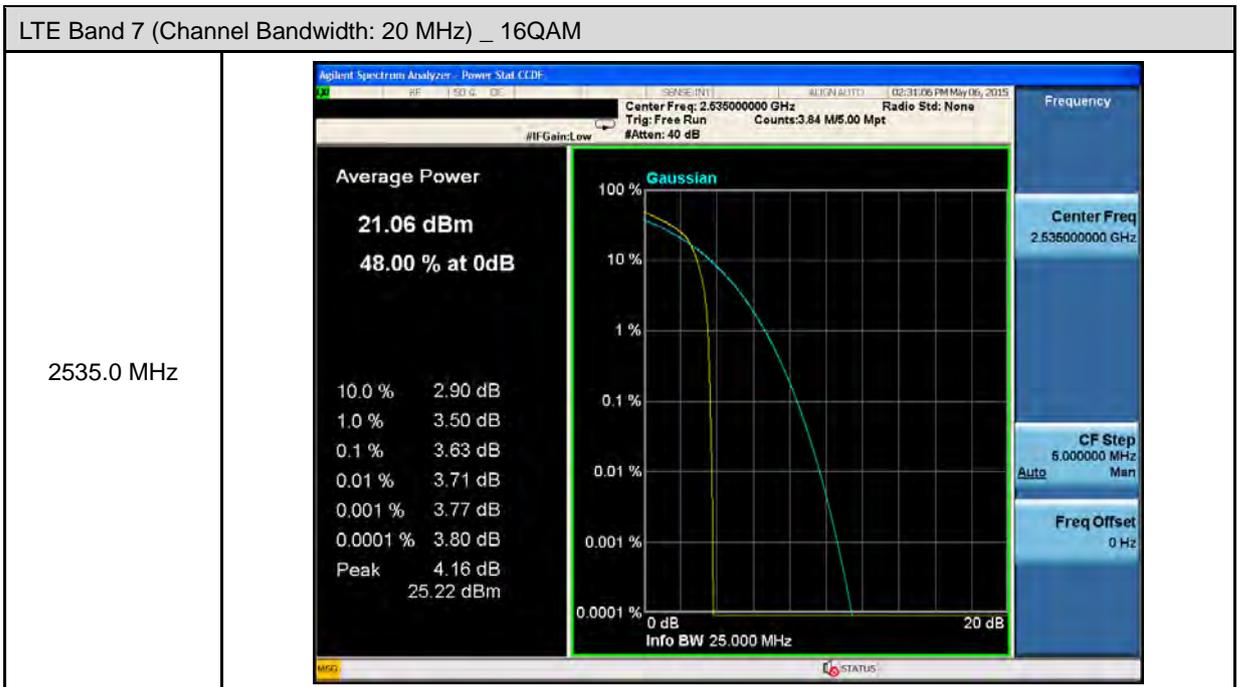
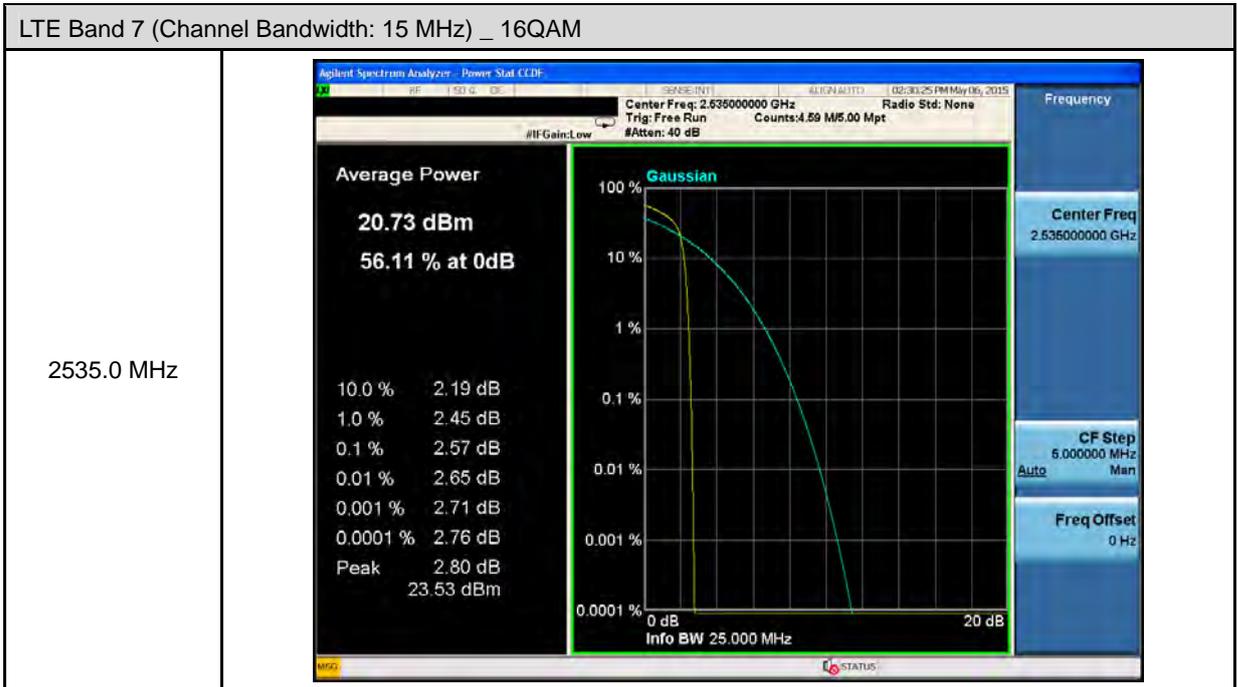


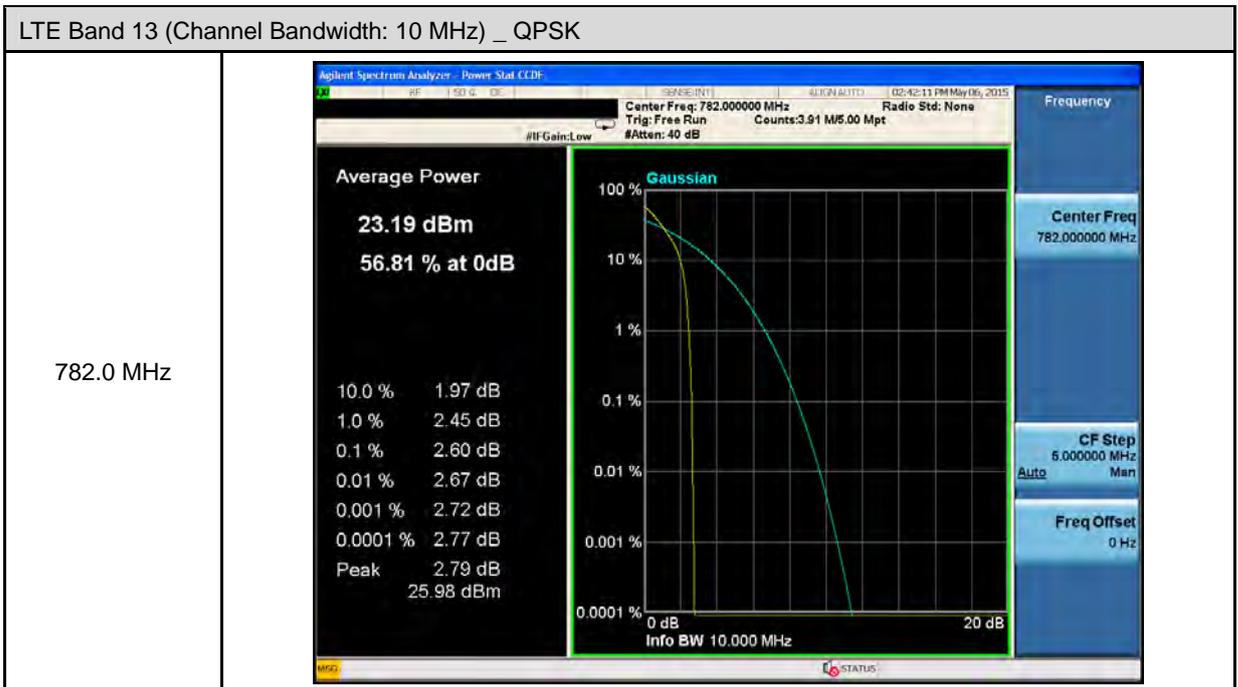
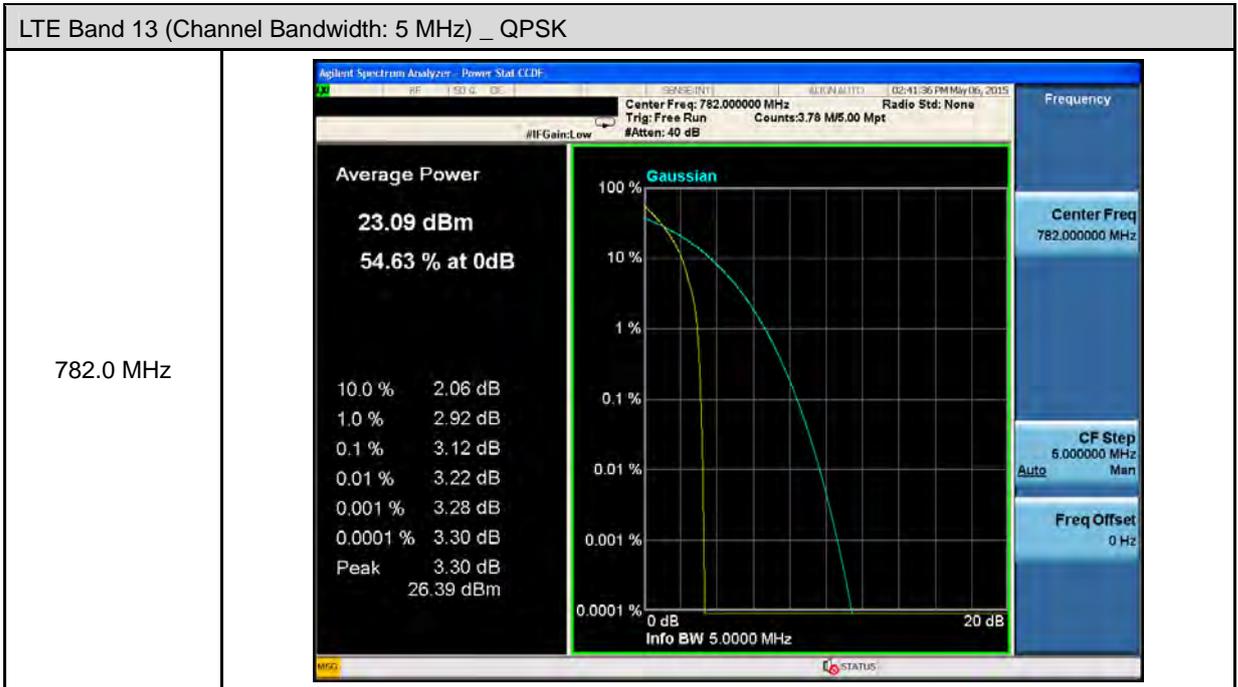


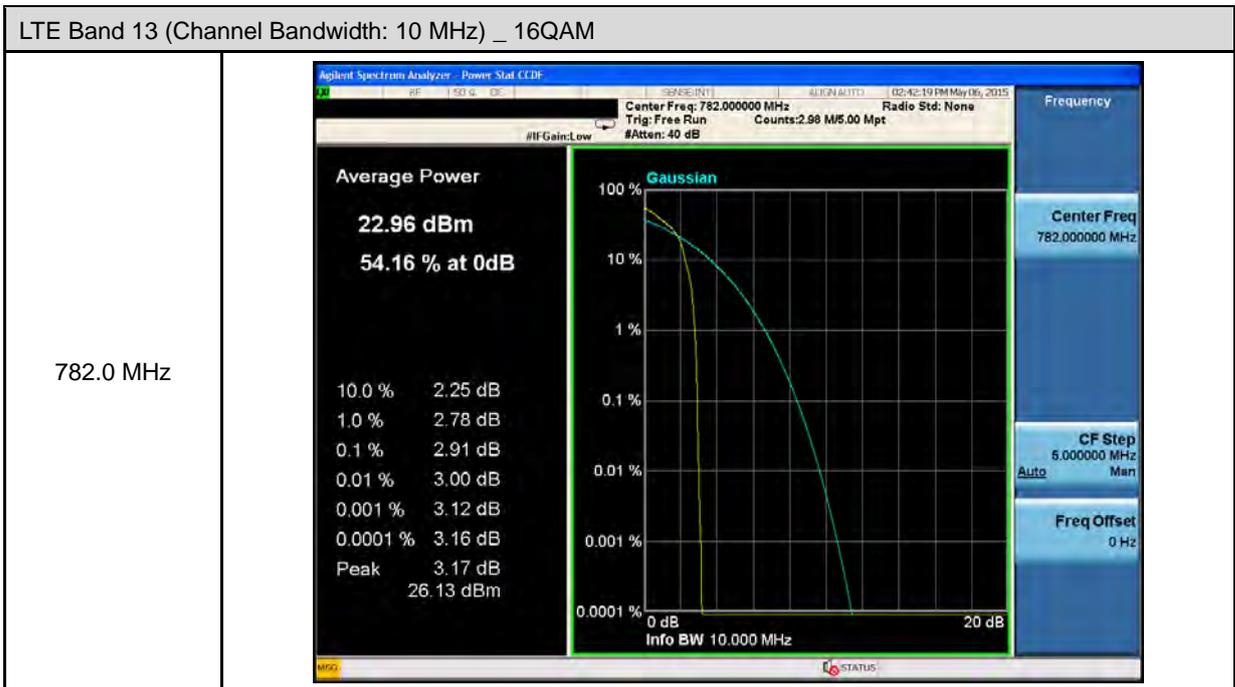
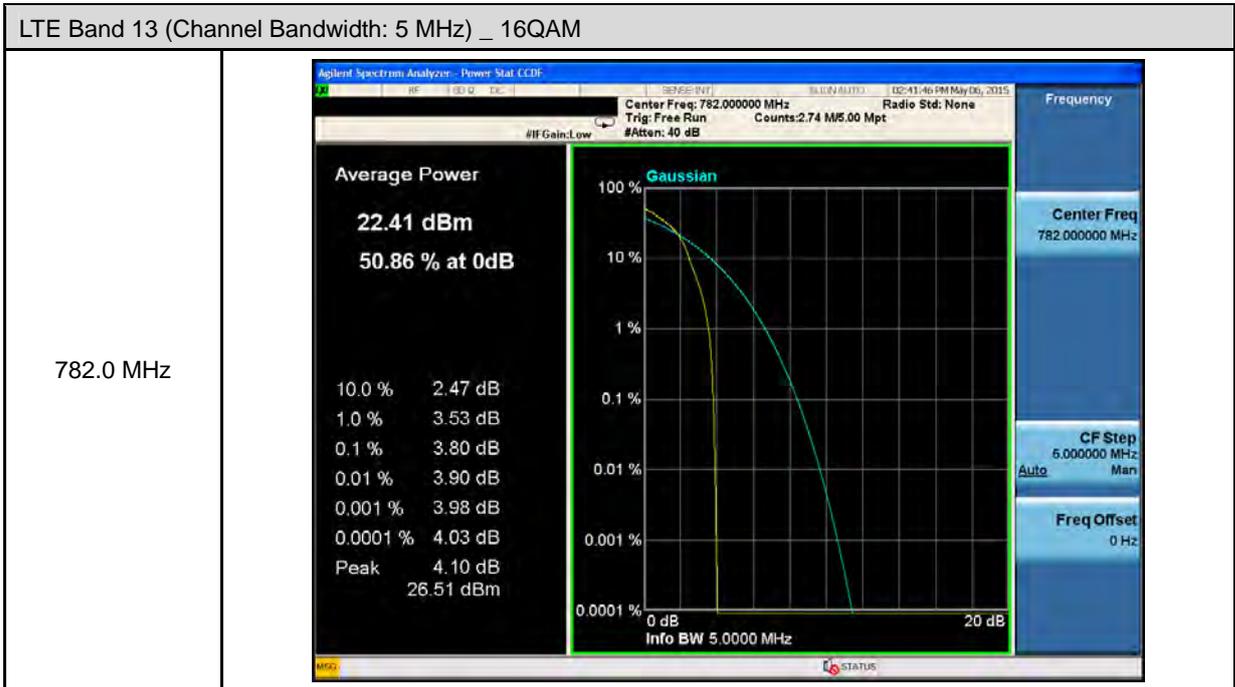












7 Band Edge Test

7.1. Limit

The Band Edge Limit:

§22.917(a), §24.238(a)

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.

§27.53(c)(2)

On any frequency outside the 777-787 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.

§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.

§27.53(m)

For mobile digital stations, the attenuation factor shall be not less than $43+10 \log(p)$ dB at the channel edge and $55+10 \log(P)$ dB at 5.5 megahertz from the channel edges.

LTE Band 13_BW=5M				
Frequency (MHz)	RBW=10kHz Measurement (dBm)	RBW=6.25kHz Measurement (dBm)	Limit -35dBm/6.25kHz	Result
763 ~ 775	-54.756	-56.797	-35	PASS
793 ~ 805	-84.941	-86.982	-35	PASS

LTE Band 13_BW=10M				
Frequency (MHz)	RBW=10kHz Measurement (dBm)	RBW=6.25kHz Measurement (dBm)	Limit -35dBm/6.25kHz	Result
763 ~775	-53.606	-55.647	-35	PASS
793 ~805	-61.122	-63.163	-35	PASS

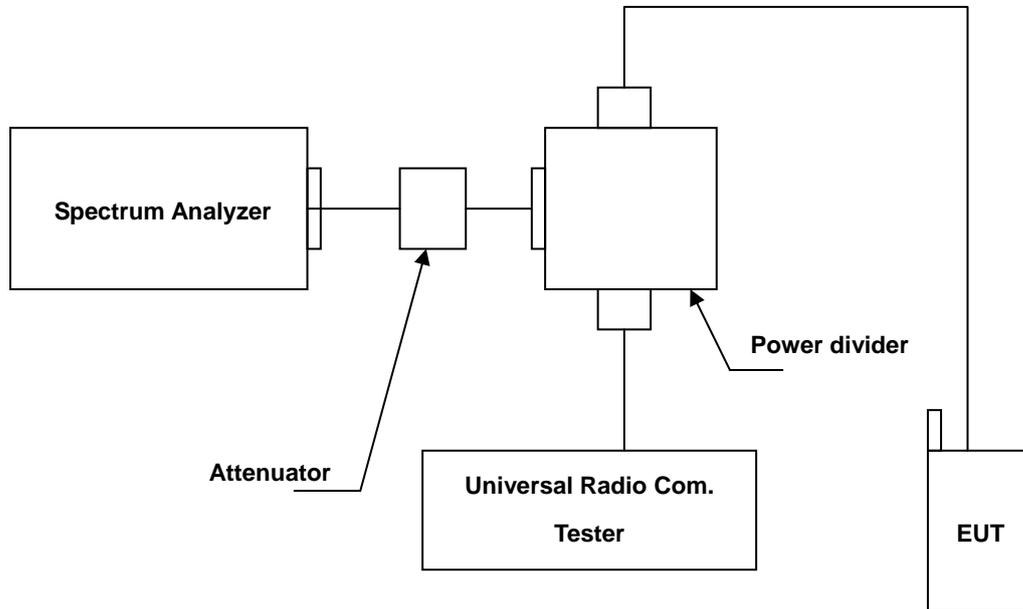
7.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/14/2015	(1)
Wideband Radio Communication Test	R & S	CMW500	103168	11/05/2013	(1)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

7.3. Setup



7.4. Test Procedure

The measurement is made according to FCC rules:

- a. The EUT was set up for the maximum peak power with LTE/WCDMA link data modulation. The power was measured with R&S Spectrum Analyzer. All measurements were done at 2 channels (low and high operational frequency range.)
- b. The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer. This splitter loss and cable loss are the worst loss 7.2 dB in the transmitted path track.
- c. The center frequency of spectrum is the band edge frequency and span is 10 MHz. RB of the resolution bandwidth of at least one percent of the emission bandwidth.
- d. Record the max trace plot into the test report.

7.5. Uncertainty

The measurement uncertainty is defined as for Conducted Power measurement is 1.2 dB.

7.6. Test Result

Frequency	LTE Band 2	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.850 00 GHz Center Freq 1.85000000 GHz Start Freq 1.84500000 GHz Stop Freq 1.85500000 GHz CF Step 1.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Ref 20 dBm Atten 30 dB #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL Center 1.850 00 GHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.910 00 GHz Center Freq 1.91000000 GHz Start Freq 1.90500000 GHz Stop Freq 1.91500000 GHz CF Step 1.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Ref 20 dBm Atten 30 dB #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL Center 1.910 00 GHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 2	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.850 00 GHz Center Freq 1.85000000 GHz Start Freq 1.84500000 GHz Stop Freq 1.85500000 GHz CF Step 1.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Ref 20 dBm Atten 30 dB #Avg 10 Log dB/Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL E(f): f>50k Swp Center 1.850 00 GHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.910 00 GHz Center Freq 1.91000000 GHz Start Freq 1.90500000 GHz Stop Freq 1.91500000 GHz CF Step 1.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Ref 20 dBm Atten 30 dB #Avg 10 Log dB/Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL E(f): f>50k Swp Center 1.910 00 GHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 2	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.850 00 GHz Ref 20 dBm Atten 30 dB -27.267 dBm Center Freq 1.85000000 GHz Start Freq 1.84500000 GHz Stop Freq 1.85500000 GHz CF Step 1.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 1.850 00 GHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.910 00 GHz Ref 20 dBm Atten 30 dB -28.636 dBm Center Freq 1.91000000 GHz Start Freq 1.90500000 GHz Stop Freq 1.91500000 GHz CF Step 1.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 1.910 00 GHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 2	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
Higher Band Edge					

Frequency	LTE Band 2	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.850 00 GHz Ref 20 dBm Atten 30 dB -30.465 dBm Center Freq 1.85000000 GHz Start Freq 1.83500000 GHz Stop Freq 1.86500000 GHz CF Step 3.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 1.850 00 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.08 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.910 00 GHz Ref 20 dBm Atten 30 dB -31.316 dBm Center Freq 1.91000000 GHz Start Freq 1.89500000 GHz Stop Freq 1.92500000 GHz CF Step 3.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 1.910 00 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.08 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 2	Channel Bandwidth	20 MHz	RB Allocated	100
Lower Band Edge					
Higher Band Edge					

Frequency	LTE Band 4	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.710 00 GHz Ref 20 dBm Atten 30 dB Center Freq 1.71000000 GHz Start Freq 1.70500000 GHz Stop Freq 1.71500000 GHz CF Step 1.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 1.710 00 GHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.755 00 GHz Ref 20 dBm Atten 30 dB Center Freq 1.75500000 GHz Start Freq 1.75000000 GHz Stop Freq 1.76000000 GHz CF Step 1.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 1.755 00 GHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 4	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge	<p>Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.710 00 GHz -22.176 dBm Center Freq 1.71000000 GHz Start Freq 1.70500000 GHz Stop Freq 1.71500000 GHz CF Step 1.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 1.710 00 GHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.755 00 GHz -23.072 dBm Center Freq 1.75500000 GHz Start Freq 1.75000000 GHz Stop Freq 1.76000000 GHz CF Step 1.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 1.755 00 GHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

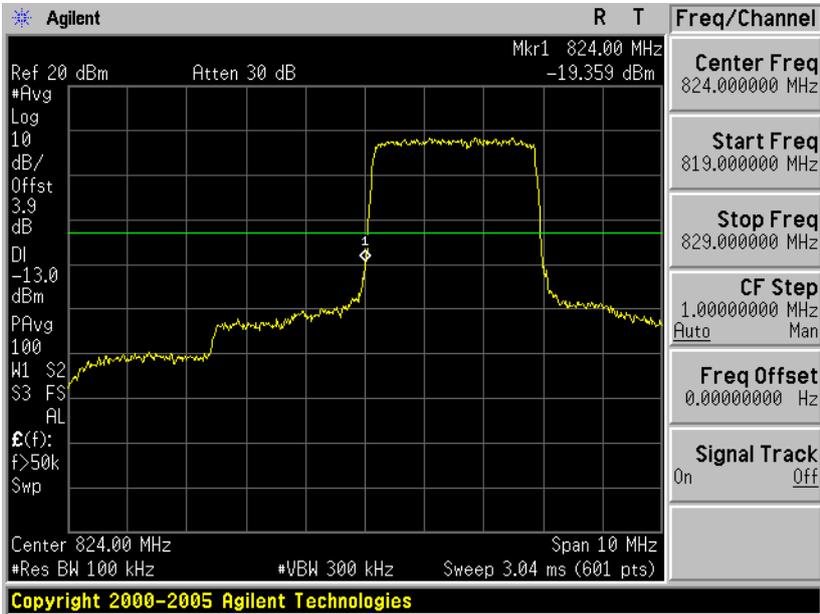
Frequency	LTE Band 4	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
Higher Band Edge					

Frequency	LTE Band 4	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.710 00 GHz Ref 20 dBm Atten 30 dB -31.779 dBm Center Freq 1.71000000 GHz Start Freq 1.70000000 GHz Stop Freq 1.72000000 GHz CF Step 2.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 1.710 00 GHz Span 20 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 6.08 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.755 00 GHz Ref 20 dBm Atten 30 dB -32.718 dBm Center Freq 1.75500000 GHz Start Freq 1.74500000 GHz Stop Freq 1.76500000 GHz CF Step 2.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 1.755 00 GHz Span 20 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 6.08 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 5	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.710 00 GHz Ref 20 dBm Atten 30 dB -31.311 dBm Center Freq 1.71000000 GHz Start Freq 1.69500000 GHz Stop Freq 1.72500000 GHz CF Step 3.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 1.710 00 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.08 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.755 00 GHz Ref 20 dBm Atten 30 dB -33.199 dBm Center Freq 1.75500000 GHz Start Freq 1.74000000 GHz Stop Freq 1.77000000 GHz CF Step 3.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 1.755 00 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.08 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 4	Channel Bandwidth	20 MHz	RB Allocated	100
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.710 00 GHz Center Freq 1.71000000 GHz Ref 20 dBm Atten 30 dB Start Freq 1.69000000 GHz Stop Freq 1.73000000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 1.710 00 GHz Span 40 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 12.12 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Mkr1 1.755 00 GHz Center Freq 1.75500000 GHz Ref 20 dBm Atten 30 dB Start Freq 1.73500000 GHz Stop Freq 1.77500000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 1.755 00 GHz Span 40 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 12.12 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 5	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 824.00 MHz Ref 20 dBm Atten 30 dB Center Freq 824.000000 MHz #Avg Log dB/Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL Ⓔ(f): f>50k Swp Mkr1 -24.470 dBm Start Freq 819.000000 MHz Stop Freq 829.000000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 824.00 MHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Mkr1 849.00 MHz Ref 20 dBm Atten 30 dB Center Freq 849.000000 MHz #Avg Log dB/Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL Ⓔ(f): f>50k Swp Mkr1 -26.185 dBm Start Freq 844.000000 MHz Stop Freq 854.000000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 849.00 MHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 5	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge	 <p>Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	 <p>Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 5	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 824.00 MHz Ref 20 dBm Atten 30 dB -25.654 dBm Center Freq 824.000000 MHz Start Freq 819.000000 MHz Stop Freq 829.000000 MHz CF Step 1.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 824.00 MHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Mkr1 849.00 MHz Ref 20 dBm Atten 30 dB -31.022 dBm Center Freq 849.000000 MHz Start Freq 844.000000 MHz Stop Freq 854.000000 MHz CF Step 1.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 849.00 MHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 5	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 824.00 MHz Ref 20 dBm Atten 30 dB -31.534 dBm Center Freq 824.000000 MHz Start Freq 814.000000 MHz Stop Freq 834.000000 MHz CF Step 2.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 824.00 MHz Span 20 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 6.08 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Mkr1 849.00 MHz Ref 20 dBm Atten 30 dB -35.341 dBm Center Freq 849.000000 MHz Start Freq 839.000000 MHz Stop Freq 859.000000 MHz CF Step 2.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 849.00 MHz Span 20 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 6.08 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 7	Channel Bandwidth	5 MHz	RB Allocated	25
Res BW	100kHz				
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 2.500 00 GHz Ref 20 dBm Atten 30 dB -27.90 dBm Center Freq 2.50000000 GHz Start Freq 2.49500000 GHz Stop Freq 2.50500000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 2.500 00 GHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Mkr1 2.570 00 GHz Ref 20 dBm Atten 30 dB -25.727 dBm Center Freq 2.57000000 GHz Start Freq 2.56500000 GHz Stop Freq 2.57500000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 2.570 00 GHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

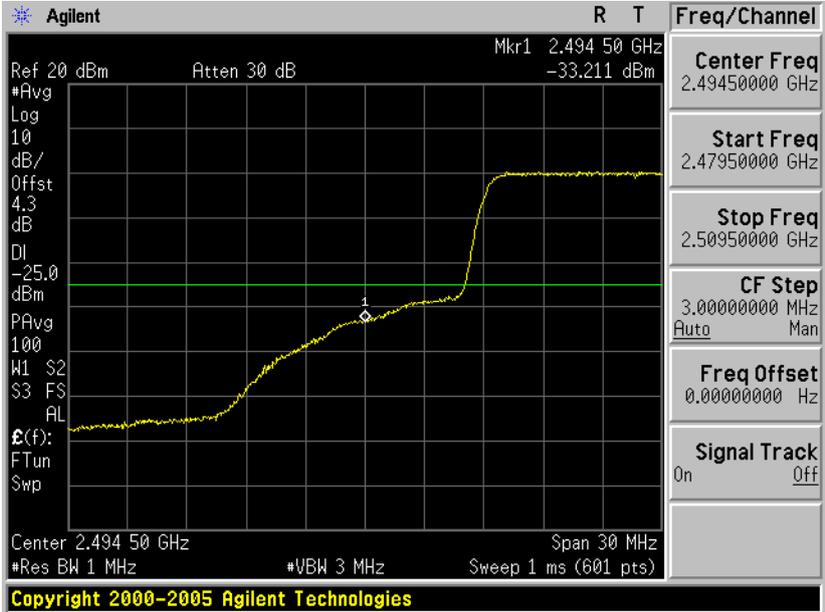
Frequency	LTE Band 7	Channel Bandwidth	10 MHz	RB Allocated	50
Res BW	100kHz				
Lower Band Edge	<p>Agilent R T Freq/Channel</p> <p>Ref 20 dBm Atten 30 dB Mkr1 2.500 00 GHz -30.045 dBm</p> <p>#Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL £(f): FTun Swp</p> <p>Center 2.500 00 GHz Span 20 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 6.08 ms (601 pts)</p> <p>Center Freq 2.50000000 GHz</p> <p>Start Freq 2.49000000 GHz</p> <p>Stop Freq 2.51000000 GHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel</p> <p>Ref 20 dBm Atten 30 dB Mkr1 2.570 00 GHz -28.471 dBm</p> <p>#Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL £(f): FTun Swp</p> <p>Start 2.560 00 GHz Stop 2.580 00 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 6.08 ms (601 pts)</p> <p>Center Freq 2.57000000 GHz</p> <p>Start Freq 2.56000000 GHz</p> <p>Stop Freq 2.58000000 GHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 7	Channel Bandwidth	15 MHz	RB Allocated	75
Res BW	100kHz				
Lower Band Edge	<p>Agilent R T Freq/Channel</p> <p>Ref 20 dBm Atten 30 dB Mkr1 2.500 00 GHz -33.079 dBm</p> <p>Center Freq 2.50000000 GHz</p> <p>Start Freq 2.48500000 GHz</p> <p>Stop Freq 2.51500000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Center 2.500 00 GHz Span 30 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 9.08 ms (601 pts)</p> <p>Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel</p> <p>Ref 20 dBm Atten 30 dB Mkr1 2.570 00 GHz -30.090 dBm</p> <p>Center Freq 2.57000000 GHz</p> <p>Start Freq 2.55500000 GHz</p> <p>Stop Freq 2.58500000 GHz</p> <p>CF Step 3.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Center 2.570 00 GHz Span 30 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 9.08 ms (601 pts)</p> <p>Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 7	Channel Bandwidth	20 MHz	RB Allocated	100
Res BW	100kHz				
Lower Band Edge	<p>Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.500 00 GHz -34.118 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL £(f): FTun Swp Center 2.500 00 GHz Span 40 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 12.12 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.570 00 GHz -35.050 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL £(f): FTun Swp Center 2.570 00 GHz Span 40 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 12.12 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 7	Channel Bandwidth	5 MHz	RB Allocated	25
Res BW	1MHz				
Lower Band Edge	<p>Agilent R T Freq/Channel</p> <p>Ref 20 dBm Atten 30 dB Mkr1 2.494 50 GHz -55.769 dBm</p> <p>Center Freq 2.49450000 GHz</p> <p>Start Freq 2.48450000 GHz</p> <p>Stop Freq 2.50450000 GHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Center 2.494 50 GHz Span 20 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts)</p> <p>Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel</p> <p>Ref 20 dBm Atten 30 dB Mkr1 2.575 50 GHz -53.029 dBm</p> <p>Center Freq 2.57550000 GHz</p> <p>Start Freq 2.56550000 GHz</p> <p>Stop Freq 2.58550000 GHz</p> <p>CF Step 2.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Center 2.575 50 GHz Span 20 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts)</p> <p>Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 7	Channel Bandwidth	10 MHz	RB Allocated	50
Res BW	1MHz				
Lower Band Edge	<p> Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.494 50 GHz -38.751 dBm Center Freq 2.49450000 GHz Start Freq 2.48450000 GHz Stop Freq 2.50450000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 2.494 50 GHz Span 20 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies </p>				
Higher Band Edge	<p> Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.575 50 GHz -38.803 dBm Center Freq 2.57550000 GHz Start Freq 2.56550000 GHz Stop Freq 2.58550000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 2.575 50 GHz Span 20 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies </p>				

Frequency	LTE Band 7	Channel Bandwidth	15 MHz	RB Allocated	75
Res BW	1MHz				
Lower Band Edge	 <p>Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	 <p>Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 7	Channel Bandwidth	20 MHz	RB Allocated	100
Res BW	1MHz				
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 2.494 50 GHz Ref 20 dBm Atten 30 dB -36.540 dBm Center Freq 2.49450000 GHz Start Freq 2.47450000 GHz Stop Freq 2.51450000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 2.494 50 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent R T Freq/Channel Mkr1 2.575 50 GHz Ref 20 dBm Atten 30 dB -36.017 dBm Center Freq 2.57550000 GHz Start Freq 2.55550000 GHz Stop Freq 2.59550000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 2.575 50 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 13	Channel Bandwidth	5 MHz	RB Allocated	25
Res BW	100kHz				
Lower Band Edge					
Higher Band Edge					

Frequency	LTE Band 13	Channel Bandwidth	10 MHz	RB Allocated	50
Res BW	100kHz				
Lower Band Edge	<p>Agilent T Freq/Channel</p> <p>Ref 20 dBm Atten 30 dB Mkr1 777.00 MHz -26.741 dBm</p> <p>Center 777.00 MHz Span 20 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 6.08 ms (601 pts)</p> <p>Copyright 2000-2005 Agilent Technologies</p> <p>Center Freq: 777.000000 MHz</p> <p>Start Freq: 767.000000 MHz</p> <p>Stop Freq: 787.000000 MHz</p> <p>CF Step: 2.00000000 MHz (Auto)</p> <p>Freq Offset: 0.00000000 Hz</p> <p>Signal Track: On (Off)</p>				
Higher Band Edge	<p>Agilent T Freq/Channel</p> <p>Ref 20 dBm Atten 30 dB Mkr1 787.00 MHz -25.553 dBm</p> <p>Center 787.00 MHz Span 20 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 6.08 ms (601 pts)</p> <p>Copyright 2000-2005 Agilent Technologies</p> <p>Center Freq: 787.000000 MHz</p> <p>Start Freq: 777.000000 MHz</p> <p>Stop Freq: 797.000000 MHz</p> <p>CF Step: 2.00000000 MHz (Auto)</p> <p>Freq Offset: 0.00000000 Hz</p> <p>Signal Track: On (Off)</p>				

Frequency	LTE Band 13	Channel Bandwidth	5 MHz	RB Allocated	25
Res BW	10kHz				
Lower Band Edge	<p>Agilent R T Freq/Channel Mkr1 774.96 MHz -54.756 dBm Center Freq 769.000000 MHz Start Freq 763.000000 MHz Stop Freq 775.000000 MHz CF Step 1.20000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Start 763.00 MHz Stop 775.00 MHz #Res BW 10 kHz #VBW 30 kHz Sweep 362.7 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				
Higher Band Edge	<p>Agilent T Freq/Channel Mkr1 793.08 MHz -84.941 dBm Center Freq 799.000000 MHz Start Freq 793.000000 MHz Stop Freq 805.000000 MHz CF Step 1.20000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Start 793.00 MHz Stop 805.00 MHz #Res BW 10 kHz #VBW 30 kHz Sweep 362.7 ms (601 pts) Copyright 2000-2005 Agilent Technologies</p>				

Frequency	LTE Band 13	Channel Bandwidth	10 MHz	RB Allocated	50
Res BW	10kHz				
Lower Band Edge					
Higher Band Edge					