

FCC

RF Test Report

Applicant : Netgear Incorporated

Address : 350 East Plumeria Drive, San Jose, California, United States
95134

Product Type : AirCard 815S Mobile Hotspot

Trade Name : NETGEAR

Model Number : AC815S

Application Purpose : FCC 47 CFR PART 22H
FCC 47 CFR PART 24E
FCC 47 CFR PART 27L
ANSI/TIA-603-D 2010

Application Purpose : Original

Receive Date : Sep. 22, 2015

Test Period : Oct. 15 ~ Dec. 04, 2015

Issue Date : Dec. 10, 2015

Issue by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade District,
Taoyuan City 33465, Taiwan (R.O.C)
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330

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Revision History

Rev.	Issue Date	Revisions	Revised By
00	Dec. 10, 2015	Initial Issue	

Verification of Compliance

Issued Date: 12/10/2015

Applicant : Netgear Incorporated

Address : 350 East Plumeria Drive, San Jose, California, United States
95134

Product Type : AirCard 815S Mobile Hotspot

Trade Name : NETGEAR

Model Number : AC815S

FCC ID : PY3AC815S

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
FCC 47 CFR PART 24E
FCC 47 CFR PART 27L
ANSI/TIA-603-D 2010

Test Result : Complied

Application Purpose : Original

Performing Lab. : A Test Lab Techno Corp.

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Taiwan Accreditation Foundation accreditation number: 1330
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A Test Lab Techno Corp. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by A Test Lab Techno Corp. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By
(Manager)

: Fly Lu
(Fly Lu)

Reviewed By

(Testing Engineer)

: Eric Ou Yang
(Eric Ou Yang)

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1 General Information

1.1. EUT Description

Applicant	Netgear Incorporated 350 East Plumeria Drive, San Jose, California, United States 95134			
Manufacturer	Netgear Inc. Suite 168 – 10760 Shellbridge Way, Richmond, BC Canada V6X 3H1			
Product Type	AirCard 815S Mobile Hotspot			
Trade Name	NETGEAR			
Model Number	AC815S			
Hardware Version	DV3.2			
Software Version	NTG9X40C_11.06.04.00			
FCC ID	PY3AC815S			
IMEI No.	014475000001006			
Mode	LTE Band	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
	2	1850.7 ~ 1909.3	1930.7 ~ 1989.3	QPSK, 16QAM
	* support CA, CA 2-5 / CA 2-12 / CA 2-29. / CA 2-30.			
	4	1710.7 ~ 1754.3	2110.7 ~ 2154.3	QPSK, 16QAM
	* support CA, CA 4-5 / CA 4-12 / CA 4-29. / CA 4-30			
	5	824.7 ~ 848.3	869.7 ~ 893.3	QPSK, 16QAM
	7	2500 ~ 2570	2620 ~ 2690	QPSK, 16QAM
	12	699 ~ 716	729 ~ 746	QPSK, 16QAM
	* support CA, CA 12-30.			
	30	2305 ~ 2315	2350 ~ 2360	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 12	1.4M, 3M, 5MHz, 10MHz		
	LTE Band 30	5MHz, 10MHz		
Antenna Gain	LTE Band 2	1.58 dBi		
	LTE Band 4	1.73 dBi		
	LTE Band 5	1.30 dBi		
	LTE Band 7	2.29 dBi		
	LTE Band 12	-0.89 dBi		
	LTE Band 30	1.90 dBi		



QPSK			
Operate Band	Max. Conducted Output Power (W)	Max. E.R.P. / E.I.R.P. (W)	Emission Designator
LTE Band 2 (Channel Bandwidth 1.4MHz)	0.159	0.142	1M07G7D
LTE Band 2 (Channel Bandwidth 3MHz)	0.156	0.146	2M68G7D
LTE Band 2 (Channel Bandwidth 5MHz)	0.161	0.142	4M47G7D
LTE Band 2 (Channel Bandwidth 10MHz)	0.167	0.147	8M95G7D
LTE Band 2 (Channel Bandwidth 15MHz)	0.159	0.147	13M4G7D
LTE Band 2 (Channel Bandwidth 20MHz)	0.163	0.142	17M9G7D
LTE Band 4 (Channel Bandwidth 1.4MHz)	0.170	0.148	1M07G7D
LTE Band 4 (Channel Bandwidth 3MHz)	0.166	0.139	2M68G7D
LTE Band 4 (Channel Bandwidth 5MHz)	0.168	0.143	4M47G7D
LTE Band 4 (Channel Bandwidth 10MHz)	0.166	0.146	9M96G7D
LTE Band 4 (Channel Bandwidth 15MHz)	0.153	0.138	13M4G7D
LTE Band 4 (Channel Bandwidth 20MHz)	0.162	0.146	17M9G7D
LTE Band 5 (Channel Bandwidth 1.4MHz)	0.229	0.145	1M07G7D
LTE Band 5 (Channel Bandwidth 3MHz)	0.227	0.151	2M68G7D
LTE Band 5 (Channel Bandwidth 5MHz)	0.225	0.157	4M46G7D
LTE Band 5 (Channel Bandwidth 10MHz)	0.221	0.149	8M94G7D
LTE Band 7 (Channel Bandwidth 5MHz)	0.162	0.143	4M48G7D
LTE Band 7 (Channel Bandwidth 10MHz)	0.171	0.141	8M95G7D
LTE Band 7 (Channel Bandwidth 15MHz)	0.165	0.139	13M4G7D
LTE Band 7 (Channel Bandwidth 20MHz)	0.175	0.143	17M8G7D
LTE Band 12 (Channel Bandwidth 1.4MHz)	0.269	0.153	1M07G7D
LTE Band 12 (Channel Bandwidth 3MHz)	0.273	0.156	2M69G7D
LTE Band 12 (Channel Bandwidth 5MHz)	0.270	0.149	4M48G7D
LTE Band 12 (Channel Bandwidth 10MHz)	0.274	0.143	8M99G7D
LTE Band 30 (Channel Bandwidth 5MHz)	0.240	0.027	4M47G7D
LTE Band 30 (Channel Bandwidth 10MHz)	0.245	0.026	8M99G7D

16QAM			
Operate Band	Max. Conducted Output Power (W)	Max. E.R.P. / E.I.R.P. (W)	Emission Designator
LTE Band 2 (Channel Bandwidth 1.4MHz)	0.150	0.108	1M07W7D
LTE Band 2 (Channel Bandwidth 3MHz)	0.133	0.111	2M68W7D
LTE Band 2 (Channel Bandwidth 5MHz)	0.154	0.109	4M47W7D
LTE Band 2 (Channel Bandwidth 10MHz)	0.144	0.104	8M95W7D
LTE Band 2 (Channel Bandwidth 15MHz)	0.136	0.106	13M4W7D
LTE Band 2 (Channel Bandwidth 20MHz)	0.138	0.108	17M9W7D
LTE Band 4 (Channel Bandwidth 1.4MHz)	0.151	0.107	1M07W7D
LTE Band 4 (Channel Bandwidth 3MHz)	0.140	0.107	2M68W7D
LTE Band 4 (Channel Bandwidth 5MHz)	0.142	0.103	4M47W7D
LTE Band 4 (Channel Bandwidth 10MHz)	0.142	0.106	8M96W7D
LTE Band 4 (Channel Bandwidth 15MHz)	0.138	0.109	13M4W7D
LTE Band 4 (Channel Bandwidth 20MHz)	0.137	0.105	17M9W7D
LTE Band 5 (Channel Bandwidth 1.4MHz)	0.196	0.101	1M07W7D
LTE Band 5 (Channel Bandwidth 3MHz)	0.195	0.114	2M68W7D
LTE Band 5 (Channel Bandwidth 5MHz)	0.193	0.121	4M46W7D
LTE Band 5 (Channel Bandwidth 10MHz)	0.191	0.118	8M95W7D
LTE Band 7 (Channel Bandwidth 5MHz)	0.136	0.109	4M48W7D
LTE Band 7 (Channel Bandwidth 10MHz)	0.143	0.108	8M95W7D
LTE Band 7 (Channel Bandwidth 15MHz)	0.140	0.112	13M4W7D
LTE Band 7 (Channel Bandwidth 20MHz)	0.149	0.111	17M8W7D
LTE Band 12 (Channel Bandwidth 1.4MHz)	0.235	0.116	1M07W7D
LTE Band 12 (Channel Bandwidth 3MHz)	0.233	0.115	2M69W7D
LTE Band 12 (Channel Bandwidth 5MHz)	0.245	0.107	4M47W7D
LTE Band 12 (Channel Bandwidth 10MHz)	0.246	0.105	8M98W7D
LTE Band 30 (Channel Bandwidth 5MHz)	0.207	0.022	4M48W7D
LTE Band 30 (Channel Bandwidth 10MHz)	0.214	0.023	8M95W7D

1.2. Mode of Operation

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 12				
Channel Bandwidth	1.4MHz		3MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	23017	699.7	23025	700.5
Middle CH	23095	707.5	23095	707.5
High CH	23173	715.3	23165	714.5
Channel Bandwidth	5MHz		10MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	23035	701.5	23060	704.0
Middle CH	23095	707.5	23095	707.5
High CH	23155	713.5	23130	711.0

LTE Band 30				
Channel Bandwidth	5MHz		10MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	27685	2307.5	---	---
Middle CH	27710	2310.0	27710	2310.0
High CH	27735	2312.5	---	---

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	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 2) Link ☐ LTE(RB Size 1, RB Offset 5) Link ☐ LTE(RB Size 3, RB Offset 0) Link ☐ LTE(RB Size 3, RB Offset 1) Link ☐ LTE(RB Size 3, RB Offset 3) Link ☐ LTE(RB Size 6, RB Offset 0) Link	QPSK
	3 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 8) Link ☐ LTE(RB Size 1, RB Offset 14) Link ☐ LTE(RB Size 8, RB Offset 0) Link ☐ LTE(RB Size 8, RB Offset 4) Link ☐ LTE(RB Size 8, RB Offset 7) Link ☐ LTE(RB Size 15, RB Offset 0) Link	QPSK
	5 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 12) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 0) Link	QPSK
	15 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 38) Link ☐ LTE(RB Size 1, RB Offset 74) Link ☐ LTE(RB Size 38, RB Offset 0) Link ☐ LTE(RB Size 38, RB Offset 18) Link ☐ LTE(RB Size 38, RB Offset 37) Link ☐ LTE(RB Size 75, RB Offset 0) Link	QPSK
	20 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 1, RB Offset 99) Link ☐ LTE(RB Size 50, RB Offset 0) Link ☐ LTE(RB Size 50, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 50) Link ☐ LTE(RB Size 100, RB Offset 0) Link	QPSK

Band	Channel Bandwidth	Test Modes	
LTE Band 4	1.4 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 2) Link ☐ LTE(RB Size 1, RB Offset 5) Link ☐ LTE(RB Size 3, RB Offset 0) Link ☐ LTE(RB Size 3, RB Offset 1) Link ☐ LTE(RB Size 3, RB Offset 3) Link ☐ LTE(RB Size 6, RB Offset 0) Link	QPSK
	3 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 8) Link ☐ LTE(RB Size 1, RB Offset 14) Link ☐ LTE(RB Size 8, RB Offset 0) Link ☐ LTE(RB Size 8, RB Offset 4) Link ☐ LTE(RB Size 8, RB Offset 7) Link ☐ LTE(RB Size 15, RB Offset 0) Link	QPSK
	5 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 12) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 0) Link	QPSK
	15 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 38) Link ☐ LTE(RB Size 1, RB Offset 74) Link ☐ LTE(RB Size 38, RB Offset 0) Link ☐ LTE(RB Size 38, RB Offset 18) Link ☐ LTE(RB Size 38, RB Offset 37) Link ☐ LTE(RB Size 75, RB Offset 0) Link	QPSK
	20 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 1, RB Offset 99) Link ☐ LTE(RB Size 50, RB Offset 0) Link ☐ LTE(RB Size 50, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 50) Link ☐ LTE(RB Size 100, RB Offset 0) Link	QPSK

Band	Channel Bandwidth	Test Modes	
LTE Band 5	1.4 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 2) Link ☐ LTE(RB Size 1, RB Offset 5) Link ☐ LTE(RB Size 3, RB Offset 0) Link ☐ LTE(RB Size 3, RB Offset 1) Link ☐ LTE(RB Size 3, RB Offset 3) Link ☐ LTE(RB Size 6, RB Offset 0) Link	QPSK
	3 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 8) Link ☐ LTE(RB Size 1, RB Offset 14) Link ☐ LTE(RB Size 8, RB Offset 0) Link ☐ LTE(RB Size 8, RB Offset 4) Link ☐ LTE(RB Size 8, RB Offset 8) Link ☐ LTE(RB Size 15, RB Offset 0) Link	QPSK
	5 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 12) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 0) Link	QPSK

Band	Channel Bandwidth	Test Modes	
LTE Band 7	5 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 12) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 0) Link	QPSK
	15 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 38) Link ☐ LTE(RB Size 1, RB Offset 74) Link ☐ LTE(RB Size 36, RB Offset 0) Link ☐ LTE(RB Size 36, RB Offset 18) Link ☐ LTE(RB Size 36, RB Offset 39) Link ☐ LTE(RB Size 75, RB Offset 0) Link	QPSK
	20 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 1, RB Offset 99) Link ☐ LTE(RB Size 50, RB Offset 0) Link ☐ LTE(RB Size 50, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 50) Link ☐ LTE(RB Size 100, RB Offset 0) Link	QPSK

Band	Channel Bandwidth	Test Modes	
LTE Band 12	1.4 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 2) Link ☐ LTE(RB Size 1, RB Offset 5) Link ☐ LTE(RB Size 3, RB Offset 0) Link ☐ LTE(RB Size 3, RB Offset 1) Link ☐ LTE(RB Size 3, RB Offset 3) Link ☐ LTE(RB Size 6, RB Offset 0) Link	QPSK
	3 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 8) Link ☐ LTE(RB Size 1, RB Offset 14) Link ☐ LTE(RB Size 8, RB Offset 0) Link ☐ LTE(RB Size 8, RB Offset 4) Link ☐ LTE(RB Size 8, RB Offset 7) Link ☐ LTE(RB Size 15, RB Offset 0) Link	QPSK
	5 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 12) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ LTE(RB Size 50, RB Offset 0) Link	QPSK

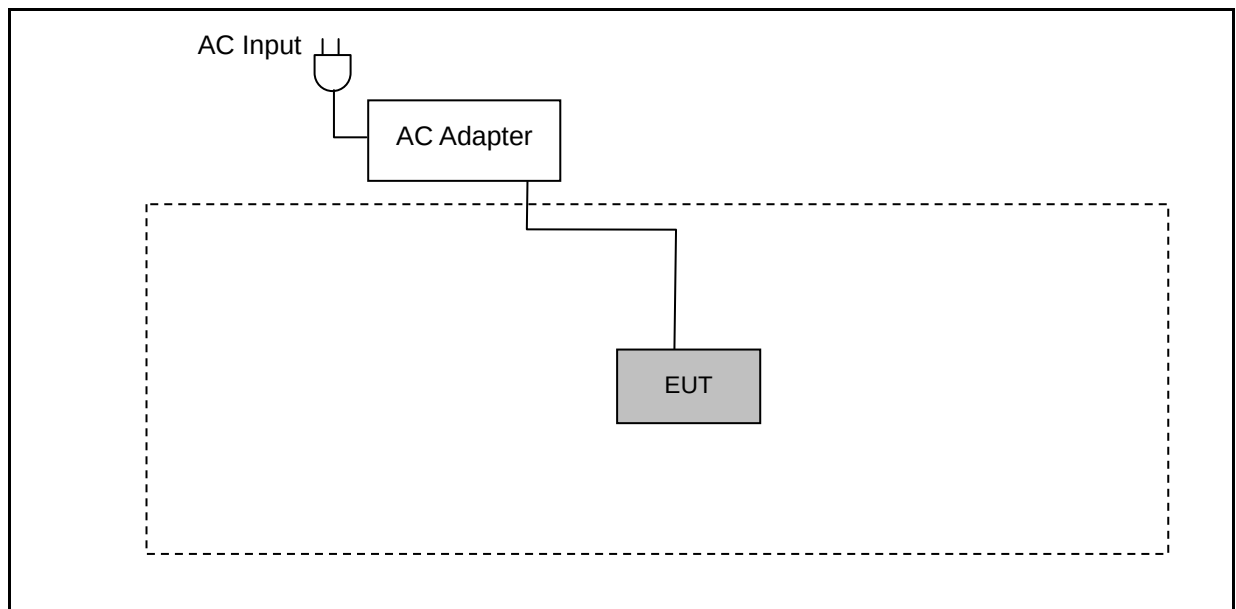
Band	Channel Bandwidth	Test Modes	
LTE Band 30	5 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 12) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 12, RB Offset 0) Link ☐ LTE(RB Size 12, RB Offset 6) Link ☐ LTE(RB Size 12, RB Offset 13) Link ☐ LTE(RB Size 25, RB Offset 0) Link	QPSK
	10 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 24) Link ☐ LTE(RB Size 1, RB Offset 49) Link ☐ LTE(RB Size 25, RB Offset 0) Link ☐ LTE(RB Size 25, RB Offset 12) Link ☐ LTE(RB Size 25, RB Offset 25) Link ☐ 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.

Measurement Software	
1	EZ-EMC Ver. ATL-03A1-1
2	LTE Test System V2.5.7.0

1.4. Configuration of Test System Details



1.5. Test Site Environment

Items	Required (IEC 60068-1)	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

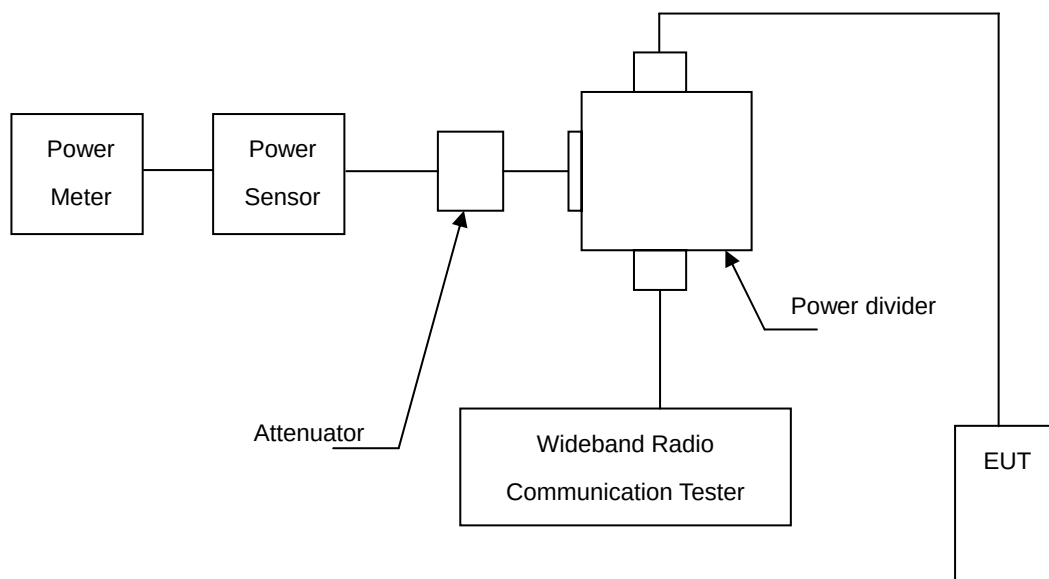
N/A

2.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Period
Wideband Radio Communication Tester	R & S	CMW500	103168	10/30/2015	1 year
Wideband Power Sensor	Agilent	N1921A	MY45241957	12/15/2014	1 year
Single Channel PK Power Meter	Agilent	N1911A	MY45101619	12/15/2014	1 year
Test Site	ATL	TE05	TE05	N.C.R.	-----

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

2.3. Test Setup



2.4. Test Procedure

- The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.
- 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	AC815S
Test Item	Conducted Output Average Power
Date of Test	10/15/2015, 12/03/2015

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	22.02	0.159
					1	2	21.98	0.158
					1	5	21.87	0.154
					3	0	21.87	0.154
					3	1	21.68	0.147
					3	3	21.65	0.146
			18900	1880.0	6	0	20.78	0.120
					1	0	22.01	0.159
					1	2	22.00	0.158
					1	5	21.91	0.155
					3	0	21.88	0.154
					3	1	21.87	0.154
					3	3	21.79	0.151
					6	0	20.76	0.119
			19193	1909.3	1	0	21.88	0.154
					1	2	21.81	0.152
					1	5	21.81	0.152
					3	0	21.76	0.150
					3	1	21.71	0.148
					3	3	21.50	0.141
		16QAM	18607	1850.7	6	0	20.70	0.117
					1	0	21.72	0.149
					1	2	21.69	0.148
					1	5	21.68	0.147
					3	0	21.05	0.127
					3	1	20.98	0.125
			18900	1880.0	3	3	20.88	0.122
					6	0	20.70	0.117
					1	0	21.24	0.133
					1	2	21.22	0.132
					1	5	21.18	0.131
					3	0	20.95	0.124
			19193	1909.3	3	1	20.93	0.124
					3	3	20.79	0.120
					6	0	20.19	0.104
					1	0	21.76	0.150
					1	2	21.70	0.148
					1	5	21.69	0.148
					3	0	20.88	0.122
					3	1	20.84	0.121
					3	3	20.73	0.118
					6	0	20.70	0.117

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	21.85	0.153
					1	8	21.81	0.152
					1	14	21.76	0.150
					8	0	20.88	0.122
					8	4	20.87	0.122
					8	7	20.86	0.122
			18900	1880.0	15	0	20.86	0.122
					1	0	21.92	0.156
					1	8	21.91	0.155
					1	14	21.87	0.154
					8	0	20.88	0.122
					8	4	20.84	0.121
					8	7	20.83	0.121
					15	0	20.80	0.120
			19185	1908.5	1	0	21.84	0.153
					1	8	21.83	0.152
					1	14	21.77	0.150
					8	0	20.85	0.122
					8	4	20.83	0.121
					8	7	20.82	0.121
					15	0	20.80	0.120
		16QAM	18615	1851.5	1	0	21.23	0.133
					1	8	21.13	0.130
					1	14	21.04	0.127
					8	0	19.96	0.099
					8	4	19.95	0.099
					8	7	19.94	0.099
			18900	1880.0	15	0	19.88	0.097
					1	0	21.17	0.131
					1	8	21.17	0.131
					1	14	21.09	0.129
					8	0	19.92	0.098
					8	4	19.90	0.098
					8	7	19.88	0.097
					15	0	19.85	0.097
			19185	1908.5	1	0	21.12	0.129
					1	8	21.08	0.128
					1	14	21.02	0.126
					8	0	19.84	0.096
					8	4	19.83	0.096
					8	7	19.83	0.096
					15	0	19.80	0.095

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	21.94	0.156
					1	12	21.90	0.155
					1	24	21.84	0.153
					12	0	20.93	0.124
					12	6	20.92	0.124
					12	13	20.92	0.124
			18900	1880.0	25	0	20.89	0.123
					1	0	22.08	0.161
					1	12	21.89	0.155
					1	24	21.82	0.152
					12	0	20.93	0.124
					12	6	20.86	0.122
					12	13	20.86	0.122
					25	0	20.80	0.120
		16QAM	19175	1907.5	1	0	21.94	0.156
					1	12	21.84	0.153
					1	24	21.74	0.149
					12	0	20.80	0.120
					12	6	20.79	0.120
					12	13	20.79	0.120
			18625	1852.5	25	0	20.75	0.119
					1	0	21.25	0.133
					1	12	21.17	0.131
					1	24	21.16	0.131
					12	0	19.96	0.099
					12	6	19.95	0.099
					12	13	19.95	0.099
			18900	1880.0	25	0	19.94	0.099
					1	0	21.29	0.135
					1	12	21.09	0.129
					1	24	21.05	0.127
					12	0	19.95	0.099
					12	6	19.91	0.098
					12	13	19.87	0.097
			19175	1907.5	25	0	19.84	0.096
					1	0	21.87	0.154
					1	12	21.09	0.129
					1	24	21.00	0.126
					12	0	19.81	0.096
					12	6	19.81	0.096
					12	11	19.80	0.095
					25	0	19.74	0.094

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	5 MHz with CA power Pcc: Band 2 Scc: Band 5 (5M)	QPSK	18625	1852.5	1	0	21.56	0.143
					1	12	21.49	0.141
					1	24	21.52	0.142
					12	0	20.56	0.114
					12	6	20.48	0.112
					12	13	20.51	0.112
			18900	1880.0	25	0	20.46	0.111
					1	0	21.61	0.145
					1	12	21.38	0.137
					1	24	21.34	0.136
					12	0	20.42	0.110
					12	6	20.36	0.109
					12	13	20.42	0.110
					25	0	20.34	0.108
			19175	1907.5	1	0	21.51	0.142
					1	12	21.40	0.138
					1	24	21.43	0.139
					12	0	20.51	0.112
					12	6	20.55	0.114
					12	13	20.48	0.112
		16QAM	18625	1852.5	25	0	20.48	0.112
					1	0	20.79	0.120
					1	12	20.84	0.121
					1	24	20.72	0.118
					12	0	19.48	0.089
					12	6	19.49	0.089
			18900	1880.0	12	13	19.54	0.090
					25	0	19.53	0.090
					1	0	20.80	0.120
					1	12	20.64	0.116
					1	24	20.54	0.113
					12	0	19.46	0.088
					12	6	19.46	0.088
					12	13	19.44	0.088
			19175	1907.5	25	0	19.33	0.086
					1	0	20.72	0.118
					1	12	20.53	0.113
					1	24	20.48	0.112
					12	0	19.49	0.089
					12	6	19.52	0.090
					12	11	19.39	0.087
					25	0	19.37	0.086

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	5 MHz with CA power Pcc: Band 2 Scc: Band 5 (10M)	QPSK	18625	1852.5	1	0	21.55	0.143
					1	12	21.52	0.142
					1	24	21.52	0.142
					12	0	20.48	0.112
					12	6	20.46	0.111
					12	13	20.54	0.113
			18900	1880.0	25	0	20.50	0.112
					1	0	21.59	0.144
					1	12	21.41	0.138
					1	24	21.33	0.136
					12	0	20.43	0.110
					12	6	20.40	0.110
					12	13	20.37	0.109
					25	0	20.36	0.109
			19175	1907.5	1	0	21.49	0.141
					1	12	21.40	0.138
					1	24	21.33	0.136
					12	0	20.52	0.113
					12	6	20.50	0.112
					12	13	20.47	0.111
		16QAM	18625	1852.5	25	0	20.46	0.111
					1	0	20.85	0.122
					1	12	20.76	0.119
					1	24	20.72	0.118
					12	0	19.56	0.090
					12	6	19.53	0.090
			18900	1880.0	12	13	19.55	0.090
					25	0	19.55	0.090
					1	0	20.80	0.120
					1	12	20.59	0.115
					1	24	20.57	0.114
					12	0	19.49	0.089
					12	6	19.38	0.087
					12	13	19.35	0.086
			19175	1907.5	25	0	19.33	0.086
					1	0	20.75	0.119
					1	12	20.56	0.114
					1	24	20.52	0.113
					12	0	19.50	0.089
					12	6	19.46	0.088
					12	11	19.41	0.087
					25	0	19.42	0.087

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	5 MHz with CA power Pcc: Band 2 Scc: Band 12 (3M)	QPSK	18625	1852.5	1	0	21.53	0.142
					1	12	21.49	0.141
					1	24	21.43	0.139
					12	0	20.55	0.114
					12	6	20.53	0.113
					12	13	20.47	0.111
			18900	1880.0	25	0	20.46	0.111
					1	0	21.60	0.145
					1	12	21.44	0.139
					1	24	21.38	0.137
					12	0	20.44	0.111
					12	6	20.40	0.110
					12	13	20.41	0.110
					25	0	20.28	0.107
		16QAM	19175	1907.5	1	0	21.50	0.141
					1	12	21.38	0.137
					1	24	21.40	0.138
					12	0	20.53	0.113
					12	6	20.47	0.111
					12	13	20.53	0.113
			18625	1852.5	25	0	20.42	0.110
					1	0	20.78	0.120
					1	12	20.76	0.119
					1	24	20.77	0.119
					12	0	19.56	0.090
					12	6	19.51	0.089
					12	13	19.50	0.089
			18900	1880.0	25	0	19.47	0.089
					1	0	20.83	0.121
					1	12	20.65	0.116
					1	24	20.64	0.116
					12	0	19.47	0.089
					12	6	19.40	0.087
					12	13	19.37	0.086
			19175	1907.5	25	0	19.37	0.086
					1	0	20.66	0.116
					1	12	20.52	0.113
					1	24	20.47	0.111
					12	0	19.48	0.089
					12	6	19.45	0.088
					12	11	19.44	0.088
					25	0	19.40	0.087

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	5 MHz with CA power Pcc: Band 2 Scc: Band 12 (5M)	QPSK	18625	1852.5	1	0	21.52	0.142
					1	12	21.47	0.140
					1	24	21.47	0.140
					12	0	20.51	0.112
					12	6	20.49	0.112
					12	13	20.47	0.111
			18900	1880.0	25	0	20.54	0.113
					1	0	21.54	0.143
					1	12	21.35	0.136
					1	24	21.29	0.135
					12	0	20.48	0.112
					12	6	20.40	0.110
					12	13	20.40	0.110
					25	0	20.35	0.108
			19175	1907.5	1	0	21.44	0.139
					1	12	21.36	0.137
					1	24	21.41	0.138
					12	0	20.55	0.114
					12	6	20.50	0.112
					12	13	20.49	0.112
		16QAM	18625	1852.5	25	0	20.47	0.111
					1	0	20.87	0.122
					1	12	20.81	0.121
					1	24	20.71	0.118
					12	0	19.53	0.090
					12	6	19.52	0.090
			18900	1880.0	12	13	19.49	0.089
					25	0	19.50	0.089
					1	0	20.85	0.122
					1	12	20.57	0.114
					1	24	20.60	0.115
					12	0	19.53	0.090
					12	6	19.48	0.089
					12	13	19.39	0.087
			19175	1907.5	25	0	19.34	0.086
					1	0	20.69	0.117
					1	12	20.56	0.114
					1	24	20.47	0.111
					12	0	19.50	0.089
					12	6	19.51	0.089
					12	11	19.44	0.088
					25	0	19.38	0.087

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	5 MHz with CA power Pcc: Band 2 Scc: Band 12 (10M)	QPSK	18625	1852.5	1	0	21.51	0.142
					1	12	21.54	0.143
					1	24	21.43	0.139
					12	0	20.56	0.114
					12	6	20.49	0.112
					12	13	20.52	0.113
			18900	1880.0	25	0	20.53	0.113
					1	0	21.53	0.142
					1	12	21.41	0.138
					1	24	21.34	0.136
					12	0	20.46	0.111
					12	6	20.43	0.110
					12	13	20.37	0.109
					25	0	20.33	0.108
			19175	1907.5	1	0	21.48	0.141
					1	12	21.41	0.138
					1	24	21.37	0.137
					12	0	20.49	0.112
					12	6	20.48	0.112
					12	13	20.48	0.112
		16QAM	18625	1852.5	25	0	20.47	0.111
					1	0	20.79	0.120
					1	12	20.82	0.121
					1	24	20.71	0.118
					12	0	19.56	0.090
					12	6	19.55	0.090
			18900	1880.0	12	13	19.50	0.089
					25	0	19.51	0.089
					1	0	20.83	0.121
					1	12	20.65	0.116
					1	24	20.59	0.115
					12	0	19.51	0.089
					12	6	19.47	0.089
					12	13	19.36	0.086
			19175	1907.5	25	0	19.33	0.086
					1	0	20.75	0.119
					1	12	20.56	0.114
					1	24	20.54	0.113
					12	0	19.48	0.089
					12	6	19.46	0.088
					12	11	19.48	0.089
					25	0	19.41	0.087

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	5 MHz with CA power Pcc: Band 2 Scc: Band 29 (3M)	QPSK	18625	1852.5	1	0	21.55	0.143
					1	12	21.44	0.139
					1	24	21.46	0.140
					12	0	20.62	0.115
					12	6	20.51	0.112
					12	13	20.41	0.110
			18900	1880.0	25	0	20.54	0.113
					1	0	21.56	0.143
					1	12	21.46	0.140
					1	24	21.36	0.137
					12	0	20.45	0.111
					12	6	20.32	0.108
					12	13	20.34	0.108
					25	0	20.18	0.104
			19175	1907.5	1	0	21.46	0.140
					1	12	21.45	0.140
					1	24	21.42	0.139
					12	0	20.59	0.115
					12	6	20.46	0.111
					12	13	20.62	0.115
		16QAM	18625	1852.5	25	0	20.38	0.109
					1	0	20.81	0.121
					1	12	20.85	0.122
					1	24	20.74	0.119
					12	0	19.62	0.092
					12	6	19.58	0.091
			18900	1880.0	12	13	19.58	0.091
					25	0	19.38	0.087
					1	0	20.84	0.121
					1	12	20.56	0.114
					1	24	20.58	0.114
					12	0	19.48	0.089
					12	6	19.38	0.087
					12	13	19.45	0.088
			19175	1907.5	25	0	19.32	0.086
					1	0	20.58	0.114
					1	12	20.52	0.113
					1	24	20.51	0.112
					12	0	19.40	0.087
					12	6	19.37	0.086
					12	11	19.53	0.090
					25	0	19.43	0.088

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	5 MHz with CA power Pcc: Band 2 Scc: Band 29 (5M)	QPSK	18625	1852.5	1	0	21.53	0.142
					1	12	21.55	0.143
					1	24	21.45	0.140
					12	0	20.57	0.114
					12	6	20.56	0.114
					12	13	20.52	0.113
			18900	1880.0	25	0	20.50	0.112
					1	0	21.52	0.142
					1	12	21.45	0.140
					1	24	21.29	0.135
					12	0	20.53	0.113
					12	6	20.49	0.112
					12	13	20.40	0.110
					25	0	20.38	0.109
			19175	1907.5	1	0	21.59	0.144
					1	12	21.40	0.138
					1	24	21.48	0.141
					12	0	20.57	0.114
					12	6	20.49	0.112
					12	13	20.62	0.115
		16QAM	18625	1852.5	25	0	20.38	0.109
					1	0	20.79	0.120
					1	12	20.77	0.119
					1	24	20.76	0.119
					12	0	19.47	0.089
					12	6	19.46	0.088
			18900	1880.0	12	13	19.42	0.087
					25	0	19.50	0.089
					1	0	20.77	0.119
					1	12	20.57	0.114
					1	24	20.67	0.117
					12	0	19.38	0.087
					12	6	19.42	0.087
					12	13	19.45	0.088
			19175	1907.5	25	0	19.41	0.087
					1	0	20.58	0.114
					1	12	20.56	0.114
					1	24	20.54	0.113
					12	0	19.48	0.089
					12	6	19.38	0.087
					12	11	19.40	0.087
					25	0	19.44	0.088

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	5 MHz with CA power Pcc: Band 2 Scc: Band 29 (10M)	QPSK	18625	1852.5	1	0	21.52	0.142
					1	12	21.55	0.143
					1	24	21.42	0.139
					12	0	20.45	0.111
					12	6	20.54	0.113
					12	13	20.47	0.111
			18900	1880.0	25	0	20.37	0.109
					1	0	21.62	0.145
					1	12	21.47	0.140
					1	24	21.45	0.140
					12	0	20.40	0.110
					12	6	20.35	0.108
					12	13	20.47	0.111
					25	0	20.22	0.105
			19175	1907.5	1	0	21.42	0.139
					1	12	21.39	0.138
					1	24	21.36	0.137
					12	0	20.55	0.114
					12	6	20.49	0.112
					12	13	20.48	0.112
		16QAM	18625	1852.5	25	0	20.43	0.110
					1	0	20.84	0.121
					1	12	20.66	0.116
					1	24	20.71	0.118
					12	0	19.53	0.090
					12	6	19.60	0.091
			18900	1880.0	12	13	19.48	0.089
					25	0	19.55	0.090
					1	0	20.86	0.122
					1	12	20.67	0.117
					1	24	20.61	0.115
					12	0	19.46	0.088
					12	6	19.32	0.086
					12	13	19.32	0.086
			19175	1907.5	25	0	19.36	0.086
					1	0	20.65	0.116
					1	12	20.45	0.111
					1	24	20.37	0.109
					12	0	19.42	0.087
					12	6	19.46	0.088
					12	11	19.51	0.089
					25	0	19.33	0.086

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	5 MHz with CA power Pcc: Band 2 Scc: Band 30 (5M)	QPSK	18625	1852.5	1	0	21.58	0.144
					1	12	21.49	0.141
					1	24	21.56	0.143
					12	0	20.46	0.111
					12	6	20.53	0.113
					12	13	20.42	0.110
			18900	1880.0	25	0	20.45	0.111
					1	0	21.51	0.142
					1	12	21.42	0.139
					1	24	21.31	0.135
					12	0	20.34	0.108
					12	6	20.34	0.108
					12	13	20.46	0.111
					25	0	20.26	0.106
			19175	1907.5	1	0	21.47	0.140
					1	12	21.36	0.137
					1	24	21.40	0.138
					12	0	20.54	0.113
					12	6	20.59	0.115
					12	13	20.52	0.113
		16QAM	18625	1852.5	25	0	20.41	0.110
					1	0	20.77	0.119
					1	12	20.91	0.123
					1	24	20.66	0.116
					12	0	19.44	0.088
					12	6	19.50	0.089
			18900	1880.0	12	13	19.53	0.090
					25	0	19.55	0.090
					1	0	20.86	0.122
					1	12	20.66	0.116
					1	24	20.59	0.115
					12	0	19.47	0.089
					12	6	19.50	0.089
					12	13	19.53	0.090
			19175	1907.5	25	0	19.32	0.086
					1	0	20.70	0.117
					1	12	20.45	0.111
					1	24	20.47	0.111
					12	0	19.45	0.088
					12	6	19.44	0.088
					12	11	19.48	0.089
					25	0	19.43	0.088

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	5 MHz with CA power Pcc: Band 2 Scc: Band 30 (10M)	QPSK	18625	1852.5	1	0	21.56	0.143
					1	12	21.54	0.143
					1	24	21.56	0.143
					12	0	20.47	0.111
					12	6	20.40	0.110
					12	13	20.54	0.113
			18900	1880.0	25	0	20.41	0.110
					1	0	21.55	0.143
					1	12	21.38	0.137
					1	24	21.32	0.136
					12	0	20.41	0.110
					12	6	20.46	0.111
					12	13	20.45	0.111
					25	0	20.39	0.109
			19175	1907.5	1	0	21.55	0.143
					1	12	21.42	0.139
					1	24	21.44	0.139
					12	0	20.49	0.112
					12	6	20.47	0.111
					12	13	20.47	0.111
		16QAM	18625	1852.5	25	0	20.50	0.112
					1	0	20.80	0.120
					1	12	20.88	0.122
					1	24	20.69	0.117
					12	0	19.53	0.090
					12	6	19.54	0.090
			18900	1880.0	12	13	19.49	0.089
					25	0	19.59	0.091
					1	0	20.73	0.118
					1	12	20.70	0.117
					1	24	20.53	0.113
					12	0	19.39	0.087
					12	6	19.49	0.089
					12	13	19.49	0.089
					25	0	19.35	0.086
			19175	1907.5	1	0	20.76	0.119
					1	12	20.45	0.111
					1	24	20.57	0.114
					12	0	19.47	0.089
					12	6	19.45	0.088
					12	11	19.47	0.089
					25	0	19.29	0.085

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	22.22	0.167
					1	24	22.00	0.158
					1	49	21.98	0.158
					25	0	21.23	0.133
					25	12	21.12	0.129
					25	25	21.11	0.129
					50	0	21.04	0.127
			18900	1880.0	1	0	22.23	0.167
					1	24	22.00	0.158
					1	49	21.82	0.152
					25	0	21.11	0.129
					25	12	20.99	0.126
					25	25	20.88	0.122
					50	0	20.85	0.122
			19150	1905.0	1	0	21.96	0.157
					1	24	21.80	0.151
					1	49	21.71	0.148
					25	0	20.92	0.124
					25	12	20.83	0.121
					25	25	20.81	0.121
					50	0	20.71	0.118
		16QAM	18650	1855.0	1	0	21.59	0.144
					1	24	21.32	0.136
					1	49	21.30	0.135
					25	0	20.23	0.105
					25	12	20.14	0.103
					25	25	20.08	0.102
					50	0	20.05	0.101
			18900	1880.0	1	0	21.53	0.142
					1	24	21.28	0.134
					1	49	21.09	0.129
					25	0	20.07	0.102
					25	12	19.99	0.100
					25	25	19.87	0.097
					50	0	19.85	0.097
			19150	1905.0	1	0	21.32	0.136
					1	24	21.08	0.128
					1	49	21.00	0.126
					25	0	19.89	0.097
					25	12	19.76	0.095
					25	25	19.74	0.094
					50	0	19.69	0.093

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	10 MHz with CA power Pcc: Band 2 Scc: Band 5 (5M)	QPSK	18650	1855.0	1	0	21.84	0.153
					1	24	21.54	0.143
					1	49	21.53	0.142
					25	0	20.84	0.121
					25	12	20.69	0.117
					25	25	20.69	0.117
			18900	1880.0	50	0	20.63	0.116
					1	0	21.72	0.149
					1	24	21.53	0.142
					1	49	21.32	0.136
					25	0	20.68	0.117
					25	12	20.47	0.111
					25	25	20.35	0.108
			19150	1905.0	50	0	20.34	0.108
					1	0	21.48	0.141
					1	24	21.33	0.136
					1	49	21.22	0.132
					25	0	20.41	0.110
					25	12	20.30	0.107
					25	25	20.26	0.106
					50	0	20.25	0.106
		16QAM	18650	1855.0	1	0	21.20	0.132
					1	24	20.91	0.123
					1	49	20.84	0.121
					25	0	19.86	0.097
					25	12	19.71	0.094
					25	25	19.63	0.092
			18900	1880.0	50	0	19.60	0.091
					1	0	21.03	0.127
					1	24	20.76	0.119
					1	49	20.57	0.114
					25	0	19.65	0.092
					25	12	19.56	0.090
					25	25	19.39	0.087
			19150	1905.0	50	0	19.36	0.086
					1	0	20.89	0.123
					1	24	20.63	0.116
					1	49	20.51	0.112
					25	0	19.38	0.087
					25	12	19.24	0.084
					25	25	19.21	0.083
					50	0	19.24	0.084

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	10 MHz with CA power Pcc: Band 2 Scc: Band 5 (10M)	QPSK	18650	1855.0	1	0	21.81	0.152
					1	24	21.52	0.142
					1	49	21.55	0.143
					25	0	20.86	0.122
					25	12	20.69	0.117
					25	25	20.68	0.117
			18900	1880.0	50	0	20.62	0.115
					1	0	21.76	0.150
					1	24	21.48	0.141
					1	49	21.31	0.135
					25	0	20.65	0.116
					25	12	20.51	0.112
					25	25	20.36	0.109
					50	0	20.35	0.108
			19150	1905.0	1	0	21.48	0.141
					1	24	21.25	0.133
					1	49	21.21	0.132
					25	0	20.45	0.111
					25	12	20.38	0.109
					25	25	20.34	0.108
		16QAM	18650	1855.0	50	0	20.22	0.105
					1	0	21.22	0.132
					1	24	20.89	0.123
					1	49	20.86	0.122
					25	0	19.80	0.095
					25	12	19.69	0.093
			18900	1880.0	25	25	19.67	0.093
					50	0	19.57	0.091
					1	0	21.05	0.127
					1	24	20.72	0.118
					1	49	20.61	0.115
					25	0	19.59	0.091
					25	12	19.51	0.089
					25	25	19.38	0.087
			19150	1905.0	50	0	19.37	0.086
					1	0	20.88	0.122
					1	24	20.57	0.114
					1	49	20.47	0.111
					25	0	19.43	0.088
					25	12	19.20	0.083
					25	25	19.19	0.083
					50	0	19.23	0.084

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	10 MHz with CA power Pcc: Band 2 Scc: Band 12 (3M)	QPSK	18650	1855.0	1	0	21.79	0.151
					1	24	21.58	0.144
					1	49	21.58	0.144
					25	0	20.84	0.121
					25	12	20.74	0.119
					25	25	20.72	0.118
			18900	1880.0	50	0	20.65	0.116
					1	0	21.76	0.150
					1	24	21.51	0.142
					1	49	21.32	0.136
					25	0	20.67	0.117
					25	12	20.51	0.112
					25	25	20.36	0.109
					50	0	20.37	0.109
		16QAM	19150	1905.0	1	0	21.49	0.141
					1	24	21.25	0.133
					1	49	21.17	0.131
					25	0	20.37	0.109
					25	12	20.35	0.108
					25	25	20.32	0.108
			18650	1855.0	50	0	20.21	0.105
					1	0	21.23	0.133
					1	24	20.87	0.122
					1	49	20.83	0.121
					25	0	19.84	0.096
					25	12	19.68	0.093
			18900	1880.0	25	25	19.65	0.092
					50	0	19.59	0.091
					1	0	21.03	0.127
					1	24	20.74	0.119
					1	49	20.60	0.115
					25	0	19.56	0.090
			19150	1905.0	25	12	19.49	0.089
					25	25	19.38	0.087
					50	0	19.32	0.086
					1	0	20.87	0.122
					1	24	20.62	0.115
					1	49	20.50	0.112
					25	0	19.36	0.086
					25	12	19.28	0.085
					25	25	19.26	0.084
					50	0	19.22	0.084

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	10 MHz with CA power Pcc: Band 2 Scc: Band 12 (5M)	QPSK	18650	1855.0	1	0	21.78	0.151
					1	24	21.60	0.145
					1	49	21.59	0.144
					25	0	20.86	0.122
					25	12	20.66	0.116
					25	25	20.65	0.116
			18900	1880.0	50	0	20.60	0.115
					1	0	21.76	0.150
					1	24	21.49	0.141
					1	49	21.34	0.136
					25	0	20.68	0.117
					25	12	20.53	0.113
					25	25	20.40	0.110
					50	0	20.37	0.109
			19150	1905.0	1	0	21.45	0.140
					1	24	21.31	0.135
					1	49	21.17	0.131
					25	0	20.41	0.110
					25	12	20.30	0.107
					25	25	20.29	0.107
		16QAM	18650	1855.0	50	0	20.21	0.105
					1	0	21.22	0.132
					1	24	20.83	0.121
					1	49	20.84	0.121
					25	0	19.79	0.095
					25	12	19.66	0.092
			18900	1880.0	25	25	19.63	0.092
					50	0	19.57	0.091
					1	0	21.03	0.127
					1	24	20.80	0.120
					1	49	20.63	0.116
					25	0	19.63	0.092
					25	12	19.55	0.090
					25	25	19.42	0.087
			19150	1905.0	50	0	19.37	0.086
					1	0	20.82	0.121
					1	24	20.60	0.115
					1	49	20.48	0.112
					25	0	19.38	0.087
					25	12	19.25	0.084
					25	25	19.23	0.084
					50	0	19.22	0.084

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	10 MHz with CA power Pcc: Band 2 Scc: Band 12 (10M)	QPSK	18650	1855.0	1	0	21.82	0.152
					1	24	21.61	0.145
					1	49	21.58	0.144
					25	0	20.79	0.120
					25	12	20.66	0.116
					25	25	20.71	0.118
			18900	1880.0	50	0	20.64	0.116
					1	0	21.78	0.151
					1	24	21.47	0.140
					1	49	21.30	0.135
					25	0	20.67	0.117
					25	12	20.53	0.113
					25	25	20.40	0.110
					50	0	20.37	0.109
		16QAM	19150	1905.0	1	0	21.50	0.141
					1	24	21.28	0.134
					1	49	21.21	0.132
					25	0	20.43	0.110
					25	12	20.32	0.108
					25	25	20.27	0.106
			18650	1855.0	50	0	20.22	0.105
					1	0	21.24	0.133
					1	24	20.91	0.123
					1	49	20.82	0.121
					25	0	19.84	0.096
					25	12	19.66	0.092
					25	25	19.67	0.093
			18900	1880.0	50	0	19.62	0.092
					1	0	20.98	0.125
					1	24	20.75	0.119
					1	49	20.60	0.115
					25	0	19.56	0.090
					25	12	19.52	0.090
					25	25	19.37	0.086
			19150	1905.0	50	0	19.42	0.087
					1	0	20.87	0.122
					1	24	20.62	0.115
					1	49	20.50	0.112
					25	0	19.38	0.087
					25	12	19.26	0.084
					25	25	19.22	0.084
					50	0	19.24	0.084

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	10 MHz with CA power Pcc: Band 2 Scc: Band 29 (3M)	QPSK	18650	1855.0	1	0	21.80	0.151
					1	24	21.64	0.146
					1	49	21.57	0.144
					25	0	20.86	0.122
					25	12	20.65	0.116
					25	25	20.81	0.121
			18900	1880.0	50	0	20.75	0.119
					1	0	21.66	0.147
					1	24	21.56	0.143
					1	49	21.28	0.134
					25	0	20.65	0.116
					25	12	20.48	0.112
					25	25	20.43	0.110
			19150	1905.0	50	0	20.32	0.108
					1	0	21.53	0.142
					1	24	21.31	0.135
					1	49	21.10	0.129
					25	0	20.43	0.110
					25	12	20.42	0.110
					25	25	20.33	0.108
					50	0	20.28	0.107
		16QAM	18650	1855.0	1	0	21.25	0.133
					1	24	20.97	0.125
					1	49	20.84	0.121
					25	0	19.78	0.095
					25	12	19.63	0.092
					25	25	19.58	0.091
			18900	1880.0	50	0	19.69	0.093
					1	0	20.95	0.124
					1	24	20.73	0.118
					1	49	20.54	0.113
					25	0	19.53	0.090
					25	12	19.51	0.089
					25	25	19.31	0.085
			19150	1905.0	50	0	19.26	0.084
					1	0	20.87	0.122
					1	24	20.60	0.115
					1	49	20.46	0.111
					25	0	19.34	0.086
					25	12	19.34	0.086
					25	25	19.24	0.084
					50	0	19.26	0.084

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	10 MHz with CA power Pcc: Band 2 Scc: Band 29 (5M)	QPSK	18650	1855.0	1	0	21.79	0.151
					1	24	21.59	0.144
					1	49	21.63	0.146
					25	0	20.75	0.119
					25	12	20.71	0.118
					25	25	20.79	0.120
			18900	1880.0	50	0	20.59	0.115
					1	0	21.77	0.150
					1	24	21.57	0.144
					1	49	21.26	0.134
					25	0	20.61	0.115
					25	12	20.45	0.111
					25	25	20.27	0.106
					50	0	20.30	0.107
			19150	1905.0	1	0	21.42	0.139
					1	24	21.18	0.131
					1	49	21.21	0.132
					25	0	20.41	0.110
					25	12	20.37	0.109
					25	25	20.33	0.108
		16QAM	18650	1855.0	50	0	20.27	0.106
					1	0	21.23	0.133
					1	24	20.85	0.122
					1	49	20.85	0.122
					25	0	19.85	0.097
					25	12	19.66	0.092
			18900	1880.0	25	25	19.57	0.091
					50	0	19.56	0.090
					1	0	20.93	0.124
					1	24	20.65	0.116
					1	49	20.57	0.114
					25	0	19.56	0.090
					25	12	19.55	0.090
					25	25	19.46	0.088
			19150	1905.0	50	0	19.27	0.085
					1	0	20.96	0.125
					1	24	20.63	0.116
					1	49	20.49	0.112
					25	0	19.29	0.085
					25	12	19.27	0.085
					25	25	19.26	0.084
					50	0	19.31	0.085

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	10 MHz with CA power Pcc: Band 2 Scc: Band 29 (10M)	QPSK	18650	1855.0	1	0	21.76	0.150
					1	24	21.62	0.145
					1	49	21.52	0.142
					25	0	20.91	0.123
					25	12	20.70	0.117
					25	25	20.79	0.120
			18900	1880.0	50	0	20.61	0.115
					1	0	21.68	0.147
					1	24	21.60	0.145
					1	49	21.40	0.138
					25	0	20.71	0.118
					25	12	20.54	0.113
					25	25	20.28	0.107
					50	0	20.29	0.107
		16QAM	19150	1905.0	1	0	21.57	0.144
					1	24	21.18	0.131
					1	49	21.08	0.128
					25	0	20.36	0.109
					25	12	20.40	0.110
					25	25	20.37	0.109
			18650	1855.0	50	0	20.31	0.107
					1	0	21.18	0.131
					1	24	20.88	0.122
					1	49	20.77	0.119
					25	0	19.81	0.096
					25	12	19.74	0.094
			18900	1880.0	25	25	19.60	0.091
					50	0	19.61	0.091
					1	0	21.01	0.126
					1	24	20.67	0.117
					1	49	20.62	0.115
					25	0	19.58	0.091
					25	12	19.56	0.090
					25	25	19.33	0.086
			19150	1905.0	50	0	19.41	0.087
					1	0	20.79	0.120
					1	24	20.64	0.116
					1	49	20.57	0.114
					25	0	19.41	0.087
					25	12	19.32	0.086
					25	25	19.21	0.083
					50	0	19.27	0.085

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	10 MHz with CA power Pcc: Band 2 Scc: Band 30 (5M)	QPSK	18650	1855.0	1	0	21.88	0.154
					1	24	21.60	0.145
					1	49	21.47	0.140
					25	0	20.91	0.123
					25	12	20.74	0.119
					25	25	20.73	0.118
			18900	1880.0	50	0	20.61	0.115
					1	0	21.80	0.151
					1	24	21.48	0.141
					1	49	21.37	0.137
					25	0	20.69	0.117
					25	12	20.53	0.113
					25	25	20.30	0.107
					50	0	20.38	0.109
			19150	1905.0	1	0	21.42	0.139
					1	24	21.27	0.134
					1	49	21.30	0.135
					25	0	20.44	0.111
					25	12	20.33	0.108
					25	25	20.28	0.107
					50	0	20.25	0.106
		16QAM	18650	1855.0	1	0	21.23	0.133
					1	24	20.89	0.123
					1	49	20.82	0.121
					25	0	19.76	0.095
					25	12	19.67	0.093
					25	25	19.66	0.092
			18900	1880.0	50	0	19.68	0.093
					1	0	21.10	0.129
					1	24	20.69	0.117
					1	49	20.60	0.115
					25	0	19.68	0.093
					25	12	19.65	0.092
					25	25	19.43	0.088
					50	0	19.28	0.085
			19150	1905.0	1	0	20.87	0.122
					1	24	20.55	0.114
					1	49	20.55	0.114
					25	0	19.39	0.087
					25	12	19.20	0.083
					25	25	19.20	0.083
					50	0	19.18	0.083

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	10 MHz with CA power Pcc: Band 2 Scc: Band 30 (10M)	QPSK	18650	1855.0	1	0	21.82	0.152
					1	24	21.48	0.141
					1	49	21.59	0.144
					25	0	20.80	0.120
					25	12	20.71	0.118
					25	25	20.65	0.116
			18900	1880.0	50	0	20.65	0.116
					1	0	21.72	0.149
					1	24	21.49	0.141
					1	49	21.38	0.137
					25	0	20.61	0.115
					25	12	20.38	0.109
					25	25	20.34	0.108
					50	0	20.34	0.108
			19150	1905.0	1	0	21.53	0.142
					1	24	21.42	0.139
					1	49	21.28	0.134
					25	0	20.50	0.112
					25	12	20.32	0.108
					25	25	20.26	0.106
		16QAM	18650	1855.0	50	0	20.28	0.107
					1	0	21.11	0.129
					1	24	20.97	0.125
					1	49	20.85	0.122
					25	0	19.84	0.096
					25	12	19.72	0.094
			18900	1880.0	25	25	19.71	0.094
					50	0	19.54	0.090
					1	0	21.05	0.127
					1	24	20.76	0.119
					1	49	20.54	0.113
					25	0	19.64	0.092
					25	12	19.56	0.090
					25	25	19.47	0.089
			19150	1905.0	50	0	19.26	0.084
					1	0	20.94	0.124
					1	24	20.54	0.113
					1	49	20.57	0.114
					25	0	19.34	0.086
					25	12	19.20	0.083
					25	25	19.17	0.083
					50	0	19.28	0.085

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	22.01	0.159
					1	38	21.98	0.158
					1	74	21.66	0.147
					38	0	21.02	0.126
					38	18	21.02	0.126
					38	37	20.98	0.125
			18900	1880.0	75	0	20.98	0.125
					1	0	21.95	0.157
					1	38	21.94	0.156
					1	74	21.50	0.141
					38	0	20.98	0.125
					38	18	20.92	0.124
					38	37	20.92	0.124
					75	0	20.88	0.122
		16QAM	19125	1902.5	1	0	21.96	0.157
					1	38	21.90	0.155
					1	74	21.54	0.143
					38	0	20.96	0.125
					38	18	20.96	0.125
					38	37	20.91	0.123
			18675	1857.5	75	0	20.91	0.123
					1	0	21.34	0.136
					1	38	21.30	0.135
					1	74	21.25	0.133
					38	0	20.01	0.100
					38	18	20.00	0.100
					38	37	19.99	0.100
			18900	1880.0	75	0	19.96	0.099
					1	0	21.23	0.133
					1	38	21.18	0.131
					1	74	21.06	0.128
					38	0	19.96	0.099
					38	18	19.93	0.098
					38	37	19.92	0.098
			19125	1902.5	75	0	19.86	0.097
					1	0	21.27	0.134
					1	38	21.23	0.133
					1	74	21.18	0.131
					38	0	19.99	0.100
					38	18	19.98	0.100
					38	37	19.90	0.098
					75	0	19.85	0.097

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	15 MHz with CA power Pcc: Band 2 Scc: Band 5 (5M)	QPSK	18675	1857.5	1	0	21.53	0.142
					1	38	21.58	0.144
					1	74	21.26	0.134
					38	0	20.54	0.113
					38	18	20.62	0.115
					38	37	20.59	0.115
			18900	1880.0	75	0	20.60	0.115
					1	0	21.53	0.142
					1	38	21.47	0.140
					1	74	20.96	0.125
					38	0	20.52	0.113
					38	18	20.50	0.112
					38	37	20.43	0.110
					75	0	20.43	0.110
		16QAM	19125	1902.5	1	0	21.46	0.140
					1	38	21.41	0.138
					1	74	21.14	0.130
					38	0	20.47	0.111
					38	18	20.49	0.112
					38	37	20.43	0.110
			18675	1857.5	75	0	20.37	0.109
					1	0	20.92	0.124
					1	38	20.90	0.123
					1	74	20.78	0.120
					38	0	19.52	0.090
					38	18	19.53	0.090
					38	37	19.55	0.090
			18900	1880.0	75	0	19.57	0.091
					1	0	20.73	0.118
					1	38	20.65	0.116
					1	74	20.57	0.114
					38	0	19.50	0.089
					38	18	19.49	0.089
					38	37	19.44	0.088
			19125	1902.5	75	0	19.35	0.086
					1	0	20.76	0.119
					1	38	20.69	0.117
					1	74	20.67	0.117
					38	0	19.50	0.089
					38	18	19.46	0.088
					38	37	19.42	0.087
					75	0	19.40	0.087

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	15 MHz with CA power Pcc: Band 2 Scc: Band 5 (10M)	QPSK	18675	1857.5	1	0	21.60	0.145
					1	38	21.59	0.144
					1	74	21.27	0.134
					38	0	20.55	0.114
					38	18	20.60	0.115
					38	37	20.51	0.112
			18900	1880.0	75	0	20.58	0.114
					1	0	21.49	0.141
					1	38	21.40	0.138
					1	74	20.96	0.125
					38	0	20.46	0.111
					38	18	20.44	0.111
					38	37	20.50	0.112
					75	0	20.39	0.109
		16QAM	19125	1902.5	1	0	21.46	0.140
					1	38	21.41	0.138
					1	74	21.14	0.130
					38	0	20.49	0.112
					38	18	20.45	0.111
					38	37	20.45	0.111
			18675	1857.5	75	0	20.36	0.109
					1	0	20.87	0.122
					1	38	20.85	0.122
					1	74	20.85	0.122
					38	0	19.59	0.091
					38	18	19.60	0.091
					38	37	19.57	0.091
			18900	1880.0	75	0	19.54	0.090
					1	0	20.80	0.120
					1	38	20.65	0.116
					1	74	20.55	0.114
					38	0	19.51	0.089
					38	18	19.41	0.087
					38	37	19.38	0.087
			19125	1902.5	75	0	19.37	0.086
					1	0	20.75	0.119
					1	38	20.79	0.120
					1	74	20.66	0.116
					38	0	19.54	0.090
					38	18	19.46	0.088
					38	37	19.40	0.087
					75	0	19.35	0.086

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	15 MHz with CA power Pcc: Band 2 Scc: Band 12 (3M)	QPSK	18675	1857.5	1	0	21.53	0.142
					1	38	21.63	0.146
					1	74	21.19	0.132
					38	0	20.62	0.115
					38	18	20.61	0.115
					38	37	20.58	0.114
			18900	1880.0	75	0	20.61	0.115
					1	0	21.48	0.141
					1	38	21.40	0.138
					1	74	21.00	0.126
					38	0	20.42	0.110
					38	18	20.48	0.112
					38	37	20.49	0.112
					75	0	20.45	0.111
		16QAM	19125	1902.5	1	0	21.51	0.142
					1	38	21.39	0.138
					1	74	21.13	0.130
					38	0	20.49	0.112
					38	18	20.51	0.112
					38	37	20.47	0.111
			18675	1857.5	75	0	20.39	0.109
					1	0	20.89	0.123
					1	38	20.89	0.123
					1	74	20.82	0.121
					38	0	19.61	0.091
					38	18	19.51	0.089
			18900	1880.0	38	37	19.58	0.091
					75	0	19.57	0.091
					1	0	20.78	0.120
					1	38	20.67	0.117
					1	74	20.61	0.115
					38	0	19.49	0.089
			19125	1902.5	38	18	19.49	0.089
					38	37	19.39	0.087
					75	0	19.34	0.086
					1	0	20.77	0.119
					1	38	20.79	0.120
					1	74	20.72	0.118
					38	0	19.46	0.088
					38	18	19.47	0.089
					38	37	19.41	0.087
					75	0	19.42	0.087

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	15 MHz with CA power Pcc: Band 2 Scc: Band 12 (5M)	QPSK	18675	1857.5	1	0	21.55	0.143
					1	38	21.61	0.145
					1	74	21.23	0.133
					38	0	20.60	0.115
					38	18	20.62	0.115
					38	37	20.55	0.114
			18900	1880.0	75	0	20.61	0.115
					1	0	21.55	0.143
					1	38	21.48	0.141
					1	74	20.97	0.125
					38	0	20.44	0.111
					38	18	20.45	0.111
					38	37	20.48	0.112
					75	0	20.45	0.111
		16QAM	19125	1902.5	1	0	21.54	0.143
					1	38	21.47	0.140
					1	74	21.07	0.128
					38	0	20.50	0.112
					38	18	20.44	0.111
					38	37	20.46	0.111
			18675	1857.5	75	0	20.40	0.110
					1	0	20.84	0.121
					1	38	20.83	0.121
					1	74	20.82	0.121
					38	0	19.55	0.090
					38	18	19.51	0.089
					38	37	19.51	0.089
			18900	1880.0	75	0	19.49	0.089
					1	0	20.80	0.120
					1	38	20.70	0.117
					1	74	20.57	0.114
					38	0	19.53	0.090
					38	18	19.48	0.089
					38	37	19.48	0.089
			19125	1902.5	75	0	19.38	0.087
					1	0	20.81	0.121
					1	38	20.71	0.118
					1	74	20.67	0.117
					38	0	19.55	0.090
					38	18	19.50	0.089
					38	37	19.45	0.088
					75	0	19.35	0.086

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	15 MHz with CA power Pcc: Band 2 Scc: Band 12 (10M)	QPSK	18675	1857.5	1	0	21.54	0.143
					1	38	21.56	0.143
					1	74	21.26	0.134
					38	0	20.55	0.114
					38	18	20.58	0.114
					38	37	20.56	0.114
			18900	1880.0	75	0	20.55	0.114
					1	0	21.46	0.140
					1	38	21.49	0.141
					1	74	21.03	0.127
					38	0	20.43	0.110
					38	18	20.49	0.112
					38	37	20.44	0.111
					75	0	20.44	0.111
			19125	1902.5	1	0	21.54	0.143
					1	38	21.44	0.139
					1	74	21.06	0.128
					38	0	20.51	0.112
					38	18	20.48	0.112
					38	37	20.39	0.109
			16QAM	18675	75	0	20.37	0.109
					1	0	20.89	0.123
					1	38	20.82	0.121
					1	74	20.76	0.119
					38	0	19.54	0.090
					38	18	19.61	0.091
					38	37	19.56	0.090
					75	0	19.54	0.090
				18900	1	0	20.78	0.120
					1	38	20.71	0.118
					1	74	20.58	0.114
					38	0	19.54	0.090
					38	18	19.49	0.089
					38	37	19.43	0.088
					75	0	19.34	0.086
				19125	1	0	20.79	0.120
					1	38	20.77	0.119
					1	74	20.66	0.116
					38	0	19.47	0.089
					38	18	19.46	0.088
					38	37	19.43	0.088
					75	0	19.37	0.086

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	15 MHz with CA power Pcc: Band 2 Scc: Band 30 (5M)	QPSK	18675	1857.5	1	0	21.44	0.139
					1	38	21.59	0.144
					1	74	21.33	0.136
					38	0	20.46	0.111
					38	18	20.62	0.115
					38	37	20.51	0.112
			18900	1880.0	75	0	20.59	0.115
					1	0	21.54	0.143
					1	38	21.55	0.143
					1	74	20.99	0.126
					38	0	20.59	0.115
					38	18	20.41	0.110
					38	37	20.41	0.110
					75	0	20.36	0.109
		16QAM	19125	1902.5	1	0	21.54	0.143
					1	38	21.41	0.138
					1	74	21.23	0.133
					38	0	20.42	0.110
					38	18	20.47	0.111
					38	37	20.49	0.112
			18675	1857.5	75	0	20.39	0.109
					1	0	20.96	0.125
					1	38	20.94	0.124
					1	74	20.78	0.120
					38	0	19.61	0.091
					38	18	19.57	0.091
			18900	1880.0	38	37	19.47	0.089
					75	0	19.50	0.089
					1	0	20.68	0.117
					1	38	20.56	0.114
					1	74	20.51	0.112
					38	0	19.45	0.088
					38	18	19.45	0.088
					38	37	19.35	0.086
					75	0	19.31	0.085
			19125	1902.5	1	0	20.77	0.119
					1	38	20.76	0.119
					1	74	20.58	0.114
					38	0	19.58	0.091
					38	18	19.43	0.088
					38	37	19.46	0.088
					75	0	19.38	0.087

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	15 MHz with CA power Pcc: Band 2 Scc: Band 30 (10M)	QPSK	18675	1857.5	1	0	21.60	0.145
					1	38	21.55	0.143
					1	74	21.25	0.133
					38	0	20.58	0.114
					38	18	20.70	0.117
					38	37	20.55	0.114
			18900	1880.0	75	0	20.56	0.114
					1	0	21.58	0.144
					1	38	21.54	0.143
					1	74	21.04	0.127
					38	0	20.45	0.111
					38	18	20.41	0.110
					38	37	20.34	0.108
					75	0	20.42	0.110
		16QAM	19125	1902.5	1	0	21.54	0.143
					1	38	21.39	0.138
					1	74	21.15	0.130
					38	0	20.40	0.110
					38	18	20.56	0.114
					38	37	20.39	0.109
			18675	1857.5	75	0	20.45	0.111
					1	0	20.96	0.125
					1	38	20.92	0.124
					1	74	20.82	0.121
					38	0	19.53	0.090
					38	18	19.62	0.092
					38	37	19.51	0.089
			18900	1880.0	75	0	19.56	0.090
					1	0	20.66	0.116
					1	38	20.74	0.119
					1	74	20.50	0.112
					38	0	19.52	0.090
					38	18	19.52	0.090
					38	37	19.34	0.086
			19125	1902.5	75	0	19.39	0.087
					1	0	20.68	0.117
					1	38	20.72	0.118
					1	74	20.77	0.119
					38	0	19.58	0.091
					38	18	19.53	0.090
					38	37	19.52	0.090
					75	0	19.35	0.086

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	22.12	0.163
					1	49	22.04	0.160
					1	99	21.78	0.151
					50	0	21.14	0.130
					50	25	21.13	0.130
					50	50	21.06	0.128
			18900	1880.0	100	0	20.98	0.125
					1	0	22.03	0.160
					1	49	22.02	0.159
					1	99	21.71	0.148
					50	0	21.04	0.127
					50	25	20.97	0.125
					50	50	20.92	0.124
					100	0	20.84	0.121
			19100	1900.0	1	0	21.95	0.157
					1	49	21.88	0.154
					1	99	21.65	0.146
					50	0	20.98	0.125
					50	25	20.87	0.122
					50	50	20.87	0.122
					100	0	20.85	0.122
		16QAM	18700	1860.0	1	0	21.40	0.138
					1	49	21.39	0.138
					1	99	21.10	0.129
					50	0	20.15	0.104
					50	25	20.06	0.101
					50	50	20.06	0.101
			18900	1880.0	100	0	19.95	0.099
					1	0	21.38	0.137
					1	49	21.27	0.134
					1	99	20.98	0.125
					50	0	19.99	0.100
					50	25	19.93	0.098
					50	50	19.91	0.098
			19100	1900.0	100	0	19.86	0.097
					1	0	21.28	0.134
					1	49	21.19	0.132
					1	99	20.65	0.116
					50	0	19.98	0.100
					50	25	19.88	0.097
					50	50	19.87	0.097
					100	0	19.83	0.096

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	20 MHz with CA power Pcc: Band 2 Scc: Band 5 (5M)	QPSK	18700	1860.0	1	0	21.63	0.146
					1	49	21.68	0.147
					1	99	21.40	0.138
					50	0	20.77	0.119
					50	25	20.60	0.115
					50	50	20.66	0.116
			18900	1880.0	100	0	20.54	0.113
					1	0	21.56	0.143
					1	49	21.49	0.141
					1	99	21.18	0.131
					50	0	20.48	0.112
					50	25	20.53	0.113
					50	50	20.46	0.111
					100	0	20.33	0.108
			19100	1900.0	1	0	21.44	0.139
					1	49	21.40	0.138
					1	99	21.14	0.130
					50	0	20.49	0.112
					50	25	20.45	0.111
					50	50	20.36	0.109
		16QAM	18700	1860.0	100	0	20.32	0.108
					1	0	20.95	0.124
					1	49	20.95	0.124
					1	99	20.70	0.117
					50	0	19.67	0.093
					50	25	19.58	0.091
			18900	1880.0	50	50	19.59	0.091
					100	0	19.55	0.090
					1	0	20.90	0.123
					1	49	20.82	0.121
					1	99	20.53	0.113
					50	0	19.50	0.089
					50	25	19.47	0.089
					50	50	19.49	0.089
			19100	1900.0	100	0	19.38	0.087
					1	0	20.82	0.121
					1	49	20.70	0.117
					1	99	20.53	0.113
					50	0	19.54	0.090
					50	25	19.41	0.087
					50	50	19.34	0.086
					100	0	19.29	0.085

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	20 MHz with CA power Pcc: Band 2 Scc: Band 5 (10M)	QPSK	18700	1860.0	1	0	21.62	0.145
					1	49	21.64	0.146
					1	99	21.31	0.135
					50	0	20.74	0.119
					50	25	20.65	0.116
					50	50	20.68	0.117
			18900	1880.0	100	0	20.61	0.115
					1	0	21.50	0.141
					1	49	21.54	0.143
					1	99	21.19	0.132
					50	0	20.48	0.112
					50	25	20.51	0.112
					50	50	20.40	0.110
					100	0	20.36	0.109
			19100	1900.0	1	0	21.43	0.139
					1	49	21.38	0.137
					1	99	21.14	0.130
					50	0	20.47	0.111
					50	25	20.37	0.109
					50	50	20.41	0.110
		16QAM	18700	1860.0	100	0	20.39	0.109
					1	0	20.99	0.126
					1	49	20.91	0.123
					1	99	20.67	0.117
					50	0	19.71	0.094
					50	25	19.63	0.092
			18900	1880.0	50	50	19.62	0.092
					100	0	19.55	0.090
					1	0	20.81	0.121
					1	49	20.81	0.121
					1	99	20.54	0.113
					50	0	19.51	0.089
					50	25	19.44	0.088
					50	50	19.42	0.087
			19100	1900.0	100	0	19.39	0.087
					1	0	20.74	0.119
					1	49	20.74	0.119
					1	99	20.54	0.113
					50	0	19.48	0.089
					50	25	19.35	0.086
					50	50	19.42	0.087
					100	0	19.36	0.086

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	20 MHz with CA power Pcc: Band 2 Scc: Band 12 (3M)	QPSK	18700	1860.0	1	0	21.67	0.147
					1	49	21.64	0.146
					1	99	21.34	0.136
					50	0	20.69	0.117
					50	25	20.65	0.116
					50	50	20.63	0.116
			18900	1880.0	100	0	20.57	0.114
					1	0	21.54	0.143
					1	49	21.49	0.141
					1	99	21.22	0.132
					50	0	20.55	0.114
					50	25	20.52	0.113
					50	50	20.41	0.110
					100	0	20.39	0.109
			19100	1900.0	1	0	21.48	0.141
					1	49	21.37	0.137
					1	99	21.14	0.130
					50	0	20.49	0.112
					50	25	20.40	0.110
					50	50	20.38	0.109
		16QAM	18700	1860.0	100	0	20.32	0.108
					1	0	20.95	0.124
					1	49	20.89	0.123
					1	99	20.67	0.117
					50	0	19.67	0.093
					50	25	19.61	0.091
			18900	1880.0	50	50	19.58	0.091
					100	0	19.54	0.090
					1	0	20.88	0.122
					1	49	20.81	0.121
					1	99	20.49	0.112
					50	0	19.48	0.089
					50	25	19.47	0.089
					50	50	19.48	0.089
			19100	1900.0	100	0	19.41	0.087
					1	0	20.80	0.120
					1	49	20.73	0.118
					1	99	20.52	0.113
					50	0	19.53	0.090
					50	25	19.44	0.088
					50	50	19.36	0.086
					100	0	19.30	0.085

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	20 MHz with CA power Pcc: Band 2 Scc: Band 12 (5M)	QPSK	18700	1860.0	1	0	21.62	0.145
					1	49	21.69	0.148
					1	99	21.37	0.137
					50	0	20.68	0.117
					50	25	20.60	0.115
					50	50	20.63	0.116
			18900	1880.0	100	0	20.60	0.115
					1	0	21.59	0.144
					1	49	21.51	0.142
					1	99	21.23	0.133
					50	0	20.46	0.111
					50	25	20.51	0.112
					50	50	20.41	0.110
					100	0	20.38	0.109
			19100	1900.0	1	0	21.52	0.142
					1	49	21.38	0.137
					1	99	21.12	0.129
					50	0	20.54	0.113
					50	25	20.45	0.111
					50	50	20.43	0.110
		16QAM	18700	1860.0	100	0	20.38	0.109
					1	0	20.93	0.124
					1	49	20.96	0.125
					1	99	20.65	0.116
					50	0	19.67	0.093
					50	25	19.58	0.091
			18900	1880.0	50	50	19.57	0.091
					100	0	19.51	0.089
					1	0	20.89	0.123
					1	49	20.79	0.120
					1	99	20.54	0.113
					50	0	19.45	0.088
					50	25	19.45	0.088
					50	50	19.47	0.089
			19100	1900.0	100	0	19.37	0.086
					1	0	20.81	0.121
					1	49	20.68	0.117
					1	99	20.51	0.112
					50	0	19.47	0.089
					50	25	19.41	0.087
					50	50	19.37	0.086
					100	0	19.33	0.086

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	20 MHz with CA power Pcc: Band 2 Scc: Band 12 (10M)	QPSK	18700	1860.0	1	0	21.70	0.148
					1	49	21.68	0.147
					1	99	21.38	0.137
					50	0	20.76	0.119
					50	25	20.61	0.115
					50	50	20.62	0.115
			18900	1880.0	100	0	20.57	0.114
					1	0	21.54	0.143
					1	49	21.49	0.141
					1	99	21.25	0.133
					50	0	20.47	0.111
					50	25	20.50	0.112
					50	50	20.45	0.111
					100	0	20.34	0.108
			19100	1900.0	1	0	21.46	0.140
					1	49	21.35	0.136
					1	99	21.12	0.129
					50	0	20.49	0.112
					50	25	20.40	0.110
					50	50	20.39	0.109
		16QAM	18700	1860.0	100	0	20.35	0.108
					1	0	21.01	0.126
					1	49	20.96	0.125
					1	99	20.63	0.116
					50	0	19.69	0.093
					50	25	19.64	0.092
			18900	1880.0	50	50	19.62	0.092
					100	0	19.54	0.090
					1	0	20.90	0.123
					1	49	20.85	0.122
					1	99	20.53	0.113
					50	0	19.46	0.088
					50	25	19.46	0.088
					50	50	19.44	0.088
			19100	1900.0	100	0	19.33	0.086
					1	0	20.79	0.120
					1	49	20.68	0.117
					1	99	20.53	0.113
					50	0	19.47	0.089
					50	25	19.36	0.086
					50	50	19.41	0.087
					100	0	19.33	0.086

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	20 MHz with CA power Pcc: Band 2 Scc: Band 30 (5M)	QPSK	18700	1860.0	1	0	21.69	0.148
					1	49	21.77	0.150
					1	99	21.37	0.137
					50	0	20.74	0.119
					50	25	20.56	0.114
					50	50	20.61	0.115
			18900	1880.0	100	0	20.61	0.115
					1	0	21.64	0.146
					1	49	21.54	0.143
					1	99	21.12	0.129
					50	0	20.45	0.111
					50	25	20.44	0.111
					50	50	20.37	0.109
					100	0	20.35	0.108
			19100	1900.0	1	0	21.51	0.142
					1	49	21.39	0.138
					1	99	21.16	0.131
					50	0	20.52	0.113
					50	25	20.41	0.110
					50	50	20.37	0.109
		16QAM	18700	1860.0	100	0	20.28	0.107
					1	0	20.95	0.124
					1	49	20.94	0.124
					1	99	20.78	0.120
					50	0	19.61	0.091
					50	25	19.65	0.092
			18900	1880.0	50	50	19.55	0.090
					100	0	19.64	0.092
					1	0	20.85	0.122
					1	49	20.77	0.119
					1	99	20.62	0.115
					50	0	19.40	0.087
					50	25	19.52	0.090
					50	50	19.51	0.089
			19100	1900.0	100	0	19.35	0.086
					1	0	20.91	0.123
					1	49	20.79	0.120
					1	99	20.56	0.114
					50	0	19.52	0.090
					50	25	19.35	0.086
					50	50	19.37	0.086
					100	0	19.39	0.087

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	20 MHz with CA power Pcc: Band 2 Scc: Band 30 (10M)	QPSK	18700	1860.0	1	0	21.67	0.147
					1	49	21.75	0.150
					1	99	21.49	0.141
					50	0	20.67	0.117
					50	25	20.63	0.116
					50	50	20.76	0.119
			18900	1880.0	100	0	20.62	0.115
					1	0	21.58	0.144
					1	49	21.49	0.141
					1	99	21.21	0.132
					50	0	20.52	0.113
					50	25	20.57	0.114
					50	50	20.38	0.109
					100	0	20.25	0.106
			19100	1900.0	1	0	21.40	0.138
					1	49	21.39	0.138
					1	99	21.18	0.131
					50	0	20.56	0.114
					50	25	20.45	0.111
					50	50	20.37	0.109
		16QAM	18700	1860.0	100	0	20.42	0.110
					1	0	20.91	0.123
					1	49	21.01	0.126
					1	99	20.63	0.116
					50	0	19.66	0.092
					50	25	19.63	0.092
			18900	1880.0	50	50	19.65	0.092
					100	0	19.59	0.091
					1	0	20.92	0.124
					1	49	20.75	0.119
					1	99	20.46	0.111
					50	0	19.49	0.089
					50	25	19.56	0.090
					50	50	19.39	0.087
					100	0	19.35	0.086
			19100	1900.0	1	0	20.89	0.123
					1	49	20.64	0.116
					1	99	20.54	0.113
					50	0	19.47	0.089
					50	25	19.40	0.087
					50	50	19.43	0.088
					100	0	19.36	0.086

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	22.16	0.164
					1	2	22.09	0.162
					1	5	22.01	0.159
					3	0	21.96	0.157
					3	1	21.87	0.154
					3	3	21.86	0.153
			20175	1732.5	6	0	20.85	0.122
					1	0	22.26	0.168
					1	2	22.11	0.163
					1	5	22.07	0.161
					3	0	22.05	0.160
					3	1	21.99	0.158
					3	3	21.94	0.156
					6	0	20.83	0.121
			20393	1754.3	1	0	22.31	0.170
					1	2	22.24	0.167
					1	5	22.17	0.165
					3	0	22.15	0.164
					3	1	22.13	0.163
					3	3	22.01	0.159
					6	0	21.01	0.126
		16QAM	19957	1710.7	1	0	21.73	0.149
					1	2	21.64	0.146
					1	5	21.59	0.144
					3	0	21.29	0.135
					3	1	21.27	0.134
					3	3	21.15	0.130
			20175	1732.5	6	0	20.69	0.117
					1	0	21.76	0.150
					1	2	21.69	0.148
					1	5	21.60	0.145
					3	0	21.38	0.137
					3	1	21.31	0.135
					3	3	21.26	0.134
					6	0	20.58	0.114
			20393	1754.3	1	0	21.78	0.151
					1	2	21.73	0.149
					1	5	21.72	0.149
					3	0	21.46	0.140
					3	1	21.42	0.139
					3	3	21.36	0.137
					6	0	20.68	0.117

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	22.08	0.161
					1	8	22.00	0.158
					1	14	21.98	0.158
					8	0	20.97	0.125
					8	4	20.96	0.125
					8	7	20.95	0.124
			20175	1732.5	15	0	20.87	0.122
					1	0	22.10	0.162
					1	8	22.10	0.162
					1	14	21.93	0.156
					8	0	20.99	0.126
					8	4	20.96	0.125
					8	7	20.95	0.124
					15	0	20.95	0.124
			20385	1753.5	1	0	22.20	0.166
					1	8	22.12	0.163
					1	14	22.04	0.160
					8	0	21.13	0.130
					8	4	21.12	0.129
					8	7	21.09	0.129
					15	0	21.03	0.127
		16QAM	19965	1711.5	1	0	21.30	0.135
					1	8	21.19	0.132
					1	14	21.18	0.131
					8	0	20.03	0.101
					8	4	20.02	0.100
					8	7	19.98	0.100
			20175	1732.5	15	0	19.93	0.098
					1	0	21.31	0.135
					1	8	21.30	0.135
					1	14	21.15	0.130
					8	0	20.07	0.102
					8	4	20.06	0.101
					8	7	20.02	0.100
					15	0	19.96	0.099
			20385	1753.5	1	0	21.46	0.140
					1	8	21.36	0.137
					1	14	21.30	0.135
					8	0	20.16	0.104
					8	4	20.16	0.104
					8	7	20.07	0.102
					15	0	20.07	0.102



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	22.14	0.164
					1	12	22.04	0.160
					1	24	22.00	0.158
					12	0	21.04	0.127
					12	6	20.97	0.125
					12	13	20.95	0.124
					25	0	20.92	0.124
			20175	1732.5	1	0	22.23	0.167
					1	12	22.11	0.163
					1	24	21.99	0.158
					12	0	21.07	0.128
					12	6	20.97	0.125
					12	13	20.94	0.124
					25	0	20.94	0.124
			20375	1752.5	1	0	22.25	0.168
					1	12	22.14	0.164
					1	24	22.10	0.162
					12	0	21.11	0.129
					12	6	21.08	0.128
					12	13	21.07	0.128
					25	0	21.07	0.128
		16QAM	19975	1712.5	1	0	21.34	0.136
					1	12	21.27	0.134
					1	24	21.21	0.132
					12	0	20.08	0.102
					12	6	20.01	0.100
					12	13	20.00	0.100
					25	0	19.95	0.099
			20175	1732.5	1	0	21.45	0.140
					1	12	21.31	0.135
					1	24	21.19	0.132
					12	0	20.12	0.103
					12	6	19.99	0.100
					12	13	19.98	0.100
					25	0	19.98	0.100
			20375	1752.5	1	0	21.53	0.142
					1	12	21.41	0.138
					1	24	21.31	0.135
					12	0	20.12	0.103
					12	6	20.08	0.102
					12	11	20.06	0.101
					25	0	20.05	0.101

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	5 MHz with CA power Pcc: Band 4 Scc: Band 5 (5M)	QPSK	19975	1712.5	1	0	21.98	0.158
					1	12	21.89	0.155
					1	24	21.90	0.155
					12	0	20.90	0.123
					12	6	20.79	0.120
					12	13	20.78	0.120
			20175	1732.5	25	0	20.75	0.119
					1	0	22.09	0.162
					1	12	21.98	0.158
					1	24	21.84	0.153
					12	0	20.90	0.123
					12	6	20.84	0.121
					12	13	20.81	0.121
					25	0	20.80	0.120
			20375	1752.5	1	0	22.08	0.161
					1	12	22.00	0.158
					1	24	21.98	0.158
					12	0	21.00	0.126
					12	6	20.99	0.126
					12	13	20.97	0.125
		16QAM	19975	1712.5	25	0	20.93	0.124
					1	0	21.18	0.131
					1	12	21.16	0.131
					1	24	21.03	0.127
					12	0	19.91	0.098
					12	6	19.90	0.098
			20175	1732.5	12	13	19.91	0.098
					25	0	19.80	0.095
					1	0	21.29	0.135
					1	12	21.16	0.131
					1	24	21.03	0.127
					12	0	19.95	0.099
					12	6	19.85	0.097
					12	13	19.81	0.096
			20375	1752.5	25	0	19.81	0.096
					1	0	21.42	0.139
					1	12	21.26	0.134
					1	24	21.20	0.132
					12	0	19.98	0.100
					12	6	19.92	0.098
					12	11	19.96	0.099
					25	0	19.95	0.099

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	5 MHz with CA power Pcc: Band 4 Scc: Band 5 (10M)	QPSK	19975	1712.5	1	0	21.97	0.157
					1	12	21.89	0.155
					1	24	21.87	0.154
					12	0	20.91	0.123
					12	6	20.83	0.121
					12	13	20.79	0.120
			20175	1732.5	25	0	20.79	0.120
					1	0	22.05	0.160
					1	12	21.98	0.158
					1	24	21.87	0.154
					12	0	20.92	0.124
					12	6	20.86	0.122
					12	13	20.77	0.119
					25	0	20.82	0.121
			20375	1752.5	1	0	22.13	0.163
					1	12	22.02	0.159
					1	24	21.95	0.157
					12	0	21.03	0.127
					12	6	20.99	0.126
					12	13	20.92	0.124
		16QAM	19975	1712.5	25	0	20.92	0.124
					1	0	21.26	0.134
					1	12	21.12	0.129
					1	24	21.12	0.129
					12	0	19.95	0.099
					12	6	19.83	0.096
			20175	1732.5	12	13	19.91	0.098
					25	0	19.80	0.095
					1	0	21.28	0.134
					1	12	21.21	0.132
					1	24	21.01	0.126
					12	0	20.02	0.100
					12	6	19.91	0.098
					12	13	19.88	0.097
			20375	1752.5	25	0	19.83	0.096
					1	0	21.40	0.138
					1	12	21.30	0.135
					1	24	21.17	0.131
					12	0	19.97	0.099
					12	6	19.98	0.100
					12	11	19.91	0.098
					25	0	19.91	0.098

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	5 MHz with CA power Pcc: Band 4 Scc: Band 12 (5M)	QPSK	19975	1712.5	1	0	21.96	0.157
					1	12	21.94	0.156
					1	24	21.88	0.154
					12	0	20.99	0.126
					12	6	20.83	0.121
					12	13	20.74	0.119
			20175	1732.5	25	0	20.66	0.116
					1	0	22.18	0.165
					1	12	21.90	0.155
					1	24	21.86	0.153
					12	0	20.99	0.126
					12	6	20.74	0.119
					12	13	20.84	0.121
					25	0	20.79	0.120
			20375	1752.5	1	0	22.09	0.162
					1	12	22.05	0.160
					1	24	21.98	0.158
					12	0	20.95	0.124
					12	6	20.98	0.125
					12	13	21.03	0.127
		16QAM	19975	1712.5	25	0	20.87	0.122
					1	0	21.13	0.130
					1	12	21.11	0.129
					1	24	21.03	0.127
					12	0	19.92	0.098
					12	6	20.00	0.100
			20175	1732.5	12	13	19.98	0.100
					25	0	19.73	0.094
					1	0	21.21	0.132
					1	12	21.12	0.129
					1	24	21.12	0.129
					12	0	19.88	0.097
					12	6	19.78	0.095
					12	13	19.72	0.094
			20375	1752.5	25	0	19.83	0.096
					1	0	21.38	0.137
					1	12	21.27	0.134
					1	24	21.20	0.132
					12	0	19.90	0.098
					12	6	19.98	0.100
					12	11	19.99	0.100
					25	0	19.88	0.097

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	5 MHz with CA power Pcc: Band 4 Scc: Band12 (10M)	QPSK	19975	1712.5	1	0	21.98	0.158
					1	12	21.92	0.156
					1	24	21.94	0.156
					12	0	20.89	0.123
					12	6	20.72	0.118
					12	13	20.81	0.121
			20175	1732.5	25	0	20.77	0.119
					1	0	22.02	0.159
					1	12	21.92	0.156
					1	24	21.74	0.149
					12	0	20.99	0.126
					12	6	20.88	0.122
					12	13	20.75	0.119
					25	0	20.76	0.119
			20375	1752.5	1	0	22.05	0.160
					1	12	22.00	0.158
					1	24	22.02	0.159
					12	0	20.90	0.123
					12	6	20.97	0.125
					12	13	20.88	0.122
		16QAM	19975	1712.5	25	0	20.84	0.121
					1	0	21.27	0.134
					1	12	21.17	0.131
					1	24	21.07	0.128
					12	0	19.84	0.096
					12	6	19.94	0.099
			20175	1732.5	12	13	19.84	0.096
					25	0	19.82	0.096
					1	0	21.37	0.137
					1	12	21.19	0.132
					1	24	21.05	0.127
					12	0	20.02	0.100
					12	6	19.94	0.099
					12	13	19.83	0.096
			20375	1752.5	25	0	19.77	0.095
					1	0	21.42	0.139
					1	12	21.18	0.131
					1	24	21.16	0.131
					12	0	20.05	0.101
					12	6	19.86	0.097
					12	11	20.05	0.101
					25	0	20.00	0.100

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	5 MHz with CA power Pcc: Band 4 Scc: Band 29 (3M)	QPSK	19975	1712.5	1	0	21.94	0.156
					1	12	21.90	0.155
					1	24	21.98	0.158
					12	0	20.97	0.125
					12	6	20.87	0.122
					12	13	20.69	0.117
			20175	1732.5	25	0	20.69	0.117
					1	0	22.08	0.161
					1	12	21.98	0.158
					1	24	21.81	0.152
					12	0	20.82	0.121
					12	6	20.85	0.122
					12	13	20.72	0.118
					25	0	20.73	0.118
			20375	1752.5	1	0	22.03	0.160
					1	12	21.97	0.157
					1	24	21.91	0.155
					12	0	21.00	0.126
					12	6	20.94	0.124
					12	13	20.97	0.125
		16QAM	19975	1712.5	25	0	20.95	0.124
					1	0	21.18	0.131
					1	12	21.16	0.131
					1	24	21.10	0.129
					12	0	19.95	0.099
					12	6	19.84	0.096
			20175	1732.5	12	13	19.88	0.097
					25	0	19.82	0.096
					1	0	21.20	0.132
					1	12	21.22	0.132
					1	24	21.12	0.129
					12	0	19.92	0.098
					12	6	19.81	0.096
					12	13	19.72	0.094
			20375	1752.5	25	0	19.84	0.096
					1	0	21.40	0.138
					1	12	21.16	0.131
					1	24	21.22	0.132
					12	0	20.02	0.100
					12	6	19.93	0.098
					12	11	20.02	0.100
					25	0	20.02	0.100

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	5 MHz with CA power Pcc: Band 4 Scc: Band 29 (5M)	QPSK	19975	1712.5	1	0	21.99	0.158
					1	12	21.80	0.151
					1	24	21.96	0.157
					12	0	20.89	0.123
					12	6	20.86	0.122
					12	13	20.71	0.118
			20175	1732.5	25	0	20.69	0.117
					1	0	22.12	0.163
					1	12	21.90	0.155
					1	24	21.82	0.152
					12	0	20.94	0.124
					12	6	20.75	0.119
					12	13	20.80	0.120
					25	0	20.72	0.118
			20375	1752.5	1	0	22.16	0.164
					1	12	21.97	0.157
					1	24	22.03	0.160
					12	0	21.06	0.128
					12	6	20.94	0.124
					12	13	21.05	0.127
		16QAM	19975	1712.5	25	0	20.85	0.122
					1	0	21.28	0.134
					1	12	21.22	0.132
					1	24	21.02	0.126
					12	0	19.95	0.099
					12	6	19.81	0.096
			20175	1732.5	12	13	19.92	0.098
					25	0	19.75	0.094
					1	0	21.27	0.134
					1	12	21.25	0.133
					1	24	21.10	0.129
					12	0	20.03	0.101
					12	6	19.78	0.095
					12	13	19.91	0.098
			20375	1752.5	25	0	19.80	0.095
					1	0	21.40	0.138
					1	12	21.23	0.133
					1	24	21.21	0.132
					12	0	19.89	0.097
					12	6	19.82	0.096
					12	11	20.00	0.100
					25	0	20.05	0.101

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	5 MHz with CA power Pcc: Band 4 Scc: Band 29 (10M)	QPSK	19975	1712.5	1	0	21.96	0.157
					1	12	21.83	0.152
					1	24	21.91	0.155
					12	0	20.81	0.121
					12	6	20.77	0.119
					12	13	20.78	0.120
			20175	1732.5	25	0	20.67	0.117
					1	0	22.00	0.158
					1	12	21.97	0.157
					1	24	21.77	0.150
					12	0	20.92	0.124
					12	6	20.80	0.120
					12	13	20.73	0.118
					25	0	20.77	0.119
			20375	1752.5	1	0	22.05	0.160
					1	12	22.04	0.160
					1	24	21.97	0.157
					12	0	21.09	0.129
					12	6	21.03	0.127
					12	13	20.98	0.125
		16QAM	19975	1712.5	25	0	20.87	0.122
					1	0	21.14	0.130
					1	12	21.20	0.132
					1	24	21.07	0.128
					12	0	19.84	0.096
					12	6	19.98	0.100
			20175	1732.5	12	13	20.00	0.100
					25	0	19.70	0.093
					1	0	21.34	0.136
					1	12	21.20	0.132
					1	24	21.08	0.128
					12	0	19.91	0.098
					12	6	19.90	0.098
					12	13	19.71	0.094
			20375	1752.5	25	0	19.88	0.097
					1	0	21.37	0.137
					1	12	21.25	0.133
					1	24	21.20	0.132
					12	0	19.90	0.098
					12	6	19.95	0.099
					12	11	19.93	0.098
					25	0	19.95	0.099

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	5 MHz with CA power Pcc: Band 4 Scc: Band 30 (5M)	QPSK	19975	1712.5	1	0	21.97	0.157
					1	12	21.92	0.156
					1	24	21.98	0.158
					12	0	20.90	0.123
					12	6	20.77	0.119
					12	13	20.73	0.118
			20175	1732.5	25	0	20.79	0.120
					1	0	22.02	0.159
					1	12	22.04	0.160
					1	24	21.81	0.152
					12	0	20.84	0.121
					12	6	20.83	0.121
					12	13	20.73	0.118
					25	0	20.72	0.118
			20375	1752.5	1	0	22.08	0.161
					1	12	22.07	0.161
					1	24	22.04	0.160
					12	0	20.92	0.124
					12	6	20.98	0.125
					12	13	21.03	0.127
		16QAM	19975	1712.5	25	0	20.93	0.124
					1	0	21.13	0.130
					1	12	21.26	0.134
					1	24	21.05	0.127
					12	0	19.95	0.099
					12	6	19.97	0.099
			20175	1732.5	12	13	19.91	0.098
					25	0	19.83	0.096
					1	0	21.38	0.137
					1	12	21.17	0.131
					1	24	21.02	0.126
					12	0	19.96	0.099
					12	6	19.82	0.096
					12	13	19.86	0.097
					25	0	19.82	0.096
			20375	1752.5	1	0	21.40	0.138
					1	12	21.31	0.135
					1	24	21.11	0.129
					12	0	19.94	0.099
					12	6	19.88	0.097
					12	11	19.94	0.099
					25	0	20.00	0.100

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	5 MHz with CA power Pcc: Band 4 Scc: Band 30 (10M)	QPSK	19975	1712.5	1	0	21.95	0.157
					1	12	21.89	0.155
					1	24	21.92	0.156
					12	0	20.88	0.122
					12	6	20.72	0.118
					12	13	20.85	0.122
			20175	1732.5	25	0	20.67	0.117
					1	0	22.01	0.159
					1	12	21.89	0.155
					1	24	21.93	0.156
					12	0	20.89	0.123
					12	6	20.90	0.123
					12	13	20.75	0.119
					25	0	20.88	0.122
			20375	1752.5	1	0	22.14	0.164
					1	12	22.00	0.158
					1	24	22.02	0.159
					12	0	20.92	0.124
					12	6	20.91	0.123
					12	13	20.90	0.123
					25	0	20.97	0.125
		16QAM	19975	1712.5	1	0	21.21	0.132
					1	12	21.26	0.134
					1	24	21.00	0.126
					12	0	19.93	0.098
					12	6	19.81	0.096
					12	13	19.81	0.096
			20175	1732.5	25	0	19.86	0.097
					1	0	21.20	0.132
					1	12	21.10	0.129
					1	24	21.10	0.129
					12	0	19.92	0.098
					12	6	19.81	0.096
					12	13	19.87	0.097
			20375	1752.5	25	0	19.85	0.097
					1	0	21.51	0.142
					1	12	21.35	0.136
					1	24	21.28	0.134
					12	0	19.93	0.098
					12	6	20.00	0.100
					12	11	19.91	0.098
					25	0	19.99	0.100

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	22.16	0.164
					1	24	22.15	0.164
					1	49	21.99	0.158
					25	0	21.08	0.128
					25	12	21.08	0.128
					25	25	21.04	0.127
			20175	1732.5	50	0	21.03	0.127
					1	0	22.18	0.165
					1	24	22.18	0.165
					1	49	22.00	0.158
					25	0	21.10	0.129
					25	12	21.07	0.128
					25	25	21.07	0.128
					50	0	21.01	0.126
			20350	1750.0	1	0	22.21	0.166
					1	24	22.17	0.165
					1	49	21.88	0.154
					25	0	21.09	0.129
					25	12	21.07	0.128
					25	25	21.02	0.126
					50	0	20.97	0.125
		16QAM	2000	1715.0	1	0	21.46	0.140
					1	24	21.45	0.140
					1	49	21.28	0.134
					25	0	20.05	0.101
					25	12	20.04	0.101
					25	25	20.02	0.100
			20175	1732.5	50	0	19.98	0.100
					1	0	21.45	0.140
					1	24	21.45	0.140
					1	49	21.27	0.134
					25	0	20.07	0.102
					25	12	20.07	0.102
					25	25	20.05	0.101
					50	0	20.02	0.100
			20350	1750.0	1	0	21.52	0.142
					1	24	21.46	0.140
					1	49	21.17	0.131
					25	0	20.05	0.101
					25	12	20.03	0.101
					25	25	20.00	0.100
					50	0	19.94	0.099

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	10 MHz with CA power Pcc: Band 4 Scc: Band 5 (5M)	QPSK	2000	1715.0	1	0	22.09	0.162
					1	24	22.05	0.160
					1	49	21.87	0.154
					25	0	20.92	0.124
					25	12	20.99	0.126
					25	25	20.90	0.123
			20175	1732.5	50	0	20.87	0.122
					1	0	22.06	0.161
					1	24	22.01	0.159
					1	49	21.88	0.154
					25	0	20.93	0.124
					25	12	20.93	0.124
					25	25	20.97	0.125
					50	0	20.87	0.122
			20350	1750.0	1	0	22.05	0.160
					1	24	22.08	0.161
					1	49	21.73	0.149
					25	0	20.99	0.126
					25	12	20.92	0.124
					25	25	20.87	0.122
		16QAM	2000	1715.0	50	0	20.80	0.120
					1	0	21.34	0.136
					1	24	21.37	0.137
					1	49	21.12	0.129
					25	0	19.96	0.099
					25	12	19.96	0.099
			20175	1732.5	25	25	19.87	0.097
					50	0	19.83	0.096
					1	0	21.34	0.136
					1	24	21.29	0.135
					1	49	21.14	0.130
					25	0	19.96	0.099
					25	12	19.96	0.099
					25	25	19.90	0.098
			20350	1750.0	50	0	19.94	0.099
					1	0	21.44	0.139
					1	24	21.30	0.135
					1	49	21.10	0.129
					25	0	19.95	0.099
					25	12	19.90	0.098
					25	25	19.93	0.098
					50	0	19.82	0.096

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	10 MHz with CA power Pcc: Band 4 Scc: Band 5 (10M)	QPSK	2000	1715.0	1	0	21.99	0.158
					1	24	22.06	0.161
					1	49	21.83	0.152
					25	0	20.97	0.125
					25	12	20.99	0.126
					25	25	20.91	0.123
			20175	1732.5	50	0	20.93	0.124
					1	0	22.09	0.162
					1	24	22.08	0.161
					1	49	21.89	0.155
					25	0	21.00	0.126
					25	12	20.97	0.125
					25	25	20.97	0.125
					50	0	20.90	0.123
			20350	1750.0	1	0	22.14	0.164
					1	24	22.08	0.161
					1	49	21.76	0.150
					25	0	20.93	0.124
					25	12	20.99	0.126
					25	25	20.90	0.123
					50	0	20.82	0.121
		16QAM	2000	1715.0	1	0	21.29	0.135
					1	24	21.35	0.136
					1	49	21.14	0.130
					25	0	19.91	0.098
					25	12	19.94	0.099
					25	25	19.95	0.099
			20175	1732.5	50	0	19.90	0.098
					1	0	21.29	0.135
					1	24	21.37	0.137
					1	49	21.10	0.129
					25	0	19.93	0.098
					25	12	19.95	0.099
					25	25	19.92	0.098
			20350	1750.0	50	0	19.86	0.097
					1	0	21.36	0.137
					1	24	21.34	0.136
					1	49	21.09	0.129
					25	0	19.97	0.099
					25	12	19.88	0.097
					25	25	19.89	0.097
					50	0	19.79	0.095

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	10 MHz with CA power Pcc: Band 4 Scc: Band 12 (5M)	QPSK	2000	1715.0	1	0	21.99	0.158
					1	24	22.07	0.161
					1	49	21.84	0.153
					25	0	20.83	0.121
					25	12	20.89	0.123
					25	25	20.87	0.122
			20175	1732.5	50	0	20.84	0.121
					1	0	22.12	0.163
					1	24	22.10	0.162
					1	49	21.85	0.153
					25	0	20.89	0.123
					25	12	20.86	0.122
					25	25	21.03	0.127
					50	0	20.90	0.123
			20350	1750.0	1	0	22.14	0.164
					1	24	22.08	0.161
					1	49	21.63	0.146
					25	0	20.97	0.125
					25	12	20.98	0.125
					25	25	20.95	0.124
		16QAM	2000	1715.0	50	0	20.89	0.123
					1	0	21.25	0.133
					1	24	21.35	0.136
					1	49	21.18	0.131
					25	0	19.93	0.098
					25	12	19.87	0.097
			20175	1732.5	25	25	19.89	0.097
					50	0	19.83	0.096
					1	0	21.39	0.138
					1	24	21.25	0.133
					1	49	21.07	0.128
					25	0	19.96	0.099
			20350	1750.0	25	12	19.88	0.097
					25	25	19.97	0.099
					50	0	19.93	0.098
					1	0	21.36	0.137
					1	24	21.39	0.138
					1	49	21.18	0.131
					25	0	19.96	0.099
					25	12	19.85	0.097
					25	25	19.92	0.098
					50	0	19.73	0.094



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	10 MHz with CA power Pcc: Band 4 Scc: Band12 (10M)	QPSK	2000	1715.0	1	0	22.14	0.164
					1	24	22.11	0.163
					1	49	21.91	0.155
					25	0	20.85	0.122
					25	12	20.91	0.123
					25	25	20.93	0.124
			20175	1732.5	50	0	20.84	0.121
					1	0	22.13	0.163
					1	24	22.10	0.162
					1	49	21.85	0.153
					25	0	20.83	0.121
					25	12	20.85	0.122
					25	25	20.95	0.124
					50	0	20.78	0.120
			20350	1750.0	1	0	22.02	0.159
					1	24	22.08	0.161
					1	49	21.75	0.150
					25	0	20.94	0.124
					25	12	20.87	0.122
					25	25	20.78	0.120
		16QAM	2000	1715.0	50	0	20.80	0.120
					1	0	21.34	0.136
					1	24	21.31	0.135
					1	49	21.07	0.128
					25	0	19.87	0.097
					25	12	19.90	0.098
			20175	1732.5	25	25	19.81	0.096
					50	0	19.86	0.097
					1	0	21.29	0.135
					1	24	21.36	0.137
					1	49	21.24	0.133
					25	0	19.87	0.097
					25	12	19.98	0.100
					25	25	19.96	0.099
			20350	1750.0	50	0	19.93	0.098
					1	0	21.47	0.140
					1	24	21.25	0.133
					1	49	21.01	0.126
					25	0	19.99	0.100
					25	12	19.94	0.099
					25	25	19.89	0.097
					50	0	19.77	0.095

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	10 MHz with CA power Pcc: Band 4 Scc: Band 29 (3M)	QPSK	2000	1715.0	1	0	22.02	0.159
					1	24	22.09	0.162
					1	49	21.96	0.157
					25	0	20.93	0.124
					25	12	21.08	0.128
					25	25	20.88	0.122
					50	0	20.92	0.124
			20175	1732.5	1	0	21.98	0.158
					1	24	21.91	0.155
					1	49	21.86	0.153
					25	0	20.87	0.122
					25	12	20.91	0.123
					25	25	21.05	0.127
					50	0	20.84	0.121
			20350	1750.0	1	0	21.95	0.157
					1	24	22.16	0.164
					1	49	21.72	0.149
					25	0	20.93	0.124
					25	12	20.95	0.124
					25	25	20.88	0.122
		50			0	20.89	0.123	
		16QAM	2000	1715.0	1	0	21.37	0.137
					1	24	21.47	0.140
					1	49	21.16	0.131
					25	0	19.89	0.097
					25	12	19.87	0.097
					25	25	19.85	0.097
					50	0	19.86	0.097
			20175	1732.5	1	0	21.31	0.135
					1	24	21.28	0.134
					1	49	21.05	0.127
					25	0	19.89	0.097
					25	12	20.00	0.100
					25	25	19.86	0.097
					50	0	20.02	0.100
			20350	1750.0	1	0	21.40	0.138
					1	24	21.24	0.133
					1	49	21.12	0.129
					25	0	19.86	0.097
					25	12	19.97	0.099
					25	25	19.98	0.100
		50	0	19.73	0.094			

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	10 MHz with CA power Pcc: Band 4 Scc: Band 29 (5M)	QPSK	2000	1715.0	1	0	22.07	0.161
					1	24	22.08	0.161
					1	49	21.85	0.153
					25	0	21.00	0.126
					25	12	20.98	0.125
					25	25	20.85	0.122
			20175	1732.5	50	0	20.90	0.123
					1	0	22.07	0.161
					1	24	21.98	0.158
					1	49	21.86	0.153
					25	0	20.91	0.123
					25	12	20.91	0.123
					25	25	20.90	0.123
					50	0	20.77	0.119
			20350	1750.0	1	0	22.07	0.161
					1	24	22.13	0.163
					1	49	21.81	0.152
					25	0	20.98	0.125
					25	12	20.98	0.125
					25	25	20.92	0.124
		16QAM	2000	1715.0	50	0	20.83	0.121
					1	0	21.41	0.138
					1	24	21.44	0.139
					1	49	21.09	0.129
					25	0	19.96	0.099
					25	12	19.90	0.098
			20175	1732.5	25	25	19.94	0.099
					50	0	19.80	0.095
					1	0	21.28	0.134
					1	24	21.33	0.136
					1	49	21.08	0.128
					25	0	20.02	0.100
					25	12	19.91	0.098
					25	25	19.84	0.096
			20350	1750.0	50	0	19.86	0.097
					1	0	21.43	0.139
					1	24	21.32	0.136
					1	49	21.18	0.131
					25	0	19.90	0.098
					25	12	19.97	0.099
					25	25	19.98	0.100
					50	0	19.73	0.094

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	10 MHz with CA power Pcc: Band 4 Scc: Band 29 (10M)	QPSK	2000	1715.0	1	0	22.16	0.164
					1	24	22.11	0.163
					1	49	21.80	0.151
					25	0	20.86	0.122
					25	12	20.95	0.124
					25	25	20.96	0.125
			20175	1732.5	50	0	20.87	0.122
					1	0	22.11	0.163
					1	24	21.96	0.157
					1	49	21.83	0.152
					25	0	20.89	0.123
					25	12	21.02	0.126
					25	25	20.93	0.124
			20350	1750.0	50	0	20.84	0.121
					1	0	22.08	0.161
					1	24	21.98	0.158
					1	49	21.68	0.147
					25	0	21.06	0.128
					25	12	20.91	0.123
					25	25	20.77	0.119
			16QAM	2000	50	0	20.73	0.118
					1	0	21.26	0.134
					1	24	21.42	0.139
					1	49	21.09	0.129
					25	0	20.04	0.101
					25	12	19.89	0.097
					25	25	19.96	0.099
					50	0	19.80	0.095
				20175	1	0	21.43	0.139
					1	24	21.34	0.136
					1	49	21.05	0.127
					25	0	19.96	0.099
					25	12	19.93	0.098
					25	25	19.93	0.098
					50	0	19.96	0.099
			20350	1750.0	1	0	21.53	0.142
					1	24	21.25	0.133
					1	49	21.16	0.131
					25	0	19.93	0.098
					25	12	19.98	0.100
					25	25	19.95	0.099
					50	0	19.82	0.096

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	10 MHz with CA power Pcc: Band 4 Scc: Band 30 (5M)	QPSK	2000	1715.0	1	0	22.13	0.163
					1	24	22.11	0.163
					1	49	21.90	0.155
					25	0	20.91	0.123
					25	12	20.94	0.124
					25	25	20.93	0.124
			20175	1732.5	50	0	20.89	0.123
					1	0	22.11	0.163
					1	24	22.03	0.160
					1	49	21.95	0.157
					25	0	21.01	0.126
					25	12	20.88	0.122
					25	25	20.89	0.123
					50	0	20.78	0.120
			20350	1750.0	1	0	22.10	0.162
					1	24	22.16	0.164
					1	49	21.69	0.148
					25	0	20.91	0.123
					25	12	21.01	0.126
					25	25	20.85	0.122
		16QAM	2000	1715.0	50	0	20.76	0.119
					1	0	21.27	0.134
					1	24	21.34	0.136
					1	49	21.10	0.129
					25	0	19.91	0.098
					25	12	19.98	0.100
			20175	1732.5	25	25	19.87	0.097
					50	0	19.77	0.095
					1	0	21.29	0.135
					1	24	21.33	0.136
					1	49	21.22	0.132
					25	0	20.04	0.101
					25	12	19.94	0.099
					25	25	19.89	0.097
			20350	1750.0	50	0	19.85	0.097
					1	0	21.38	0.137
					1	24	21.37	0.137
					1	49	21.15	0.130
					25	0	19.97	0.099
					25	12	19.98	0.100
					25	25	19.91	0.098
					50	0	19.73	0.094

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	10 MHz with CA power Pcc: Band 4 Scc: Band 30 (10M)	QPSK	2000	1715.0	1	0	22.12	0.163
					1	24	22.13	0.163
					1	49	21.82	0.152
					25	0	20.92	0.124
					25	12	21.08	0.128
					25	25	20.98	0.125
			20175	1732.5	50	0	20.82	0.121
					1	0	22.13	0.163
					1	24	21.95	0.157
					1	49	21.80	0.151
					25	0	20.98	0.125
					25	12	20.90	0.123
					25	25	21.05	0.127
					50	0	20.79	0.120
			20350	1750.0	1	0	21.95	0.157
					1	24	22.16	0.164
					1	49	21.71	0.148
					25	0	21.01	0.126
					25	12	20.87	0.122
					25	25	20.91	0.123
		16QAM	2000	1715.0	50	0	20.82	0.121
					1	0	21.37	0.137
					1	24	21.45	0.140
					1	49	21.13	0.130
					25	0	19.90	0.098
					25	12	20.04	0.101
			20175	1732.5	25	25	19.91	0.098
					50	0	19.79	0.095
					1	0	21.25	0.133
					1	24	21.32	0.136
					1	49	21.10	0.129
					25	0	19.96	0.099
					25	12	20.04	0.101
					25	25	19.88	0.097
			20350	1750.0	50	0	19.87	0.097
					1	0	21.38	0.137
					1	24	21.34	0.136
					1	49	21.01	0.126
					25	0	20.03	0.101
					25	12	19.87	0.097
					25	25	20.03	0.101
					50	0	19.84	0.096

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	21.86	0.153
					1	38	21.78	0.151
					1	74	21.69	0.148
					38	0	21.05	0.127
					38	18	20.99	0.126
					38	37	20.97	0.125
			20175	1732.5	75	0	20.94	0.124
					1	0	21.78	0.151
					1	38	21.76	0.150
					1	74	21.68	0.147
					38	0	21.09	0.129
					38	18	20.98	0.125
					38	37	20.95	0.124
					75	0	20.90	0.123
		16QAM	20325	1747.5	1	0	21.82	0.152
					1	38	21.77	0.150
					1	74	21.76	0.150
					38	0	21.16	0.131
					38	18	21.06	0.128
					38	37	21.05	0.127
			20025	1717.5	75	0	20.95	0.124
					1	0	21.36	0.137
					1	38	21.03	0.127
					1	74	20.87	0.122
					38	0	20.00	0.100
					38	18	19.96	0.099
					38	37	19.94	0.099
					75	0	19.93	0.098
			20175	1732.5	1	0	21.30	0.135
					1	38	20.99	0.126
					1	74	20.90	0.123
					38	0	20.08	0.102
					38	18	19.97	0.099
					38	37	19.94	0.099
			20325	1747.5	75	0	19.94	0.099
					1	0	21.41	0.138
					1	38	21.03	0.127
					1	74	21.01	0.126
					38	0	20.11	0.103
					38	18	20.04	0.101
					38	37	20.00	0.100
					75	0	19.92	0.098

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	15 MHz with CA power Pcc: Band 4 Scc: Band 5 (5M)	QPSK	20025	1717.5	1	0	21.74	0.149
					1	38	21.65	0.146
					1	74	21.51	0.142
					38	0	20.90	0.123
					38	18	20.81	0.121
					38	37	20.86	0.122
			20175	1732.5	75	0	20.76	0.119
					1	0	21.62	0.145
					1	38	21.64	0.146
					1	74	21.53	0.142
					38	0	20.93	0.124
					38	18	20.82	0.121
					38	37	20.78	0.120
					75	0	20.72	0.118
			20325	1747.5	1	0	21.67	0.147
					1	38	21.60	0.145
					1	74	21.61	0.145
					38	0	21.05	0.127
					38	18	20.96	0.125
					38	37	20.94	0.124
		16QAM	20025	1717.5	75	0	20.79	0.120
					1	0	21.23	0.133
					1	38	20.87	0.122
					1	74	20.70	0.117
					38	0	19.90	0.098
					38	18	19.83	0.096
			20175	1732.5	38	37	19.83	0.096
					75	0	19.83	0.096
					1	0	21.11	0.129
					1	38	20.80	0.120
					1	74	20.80	0.120
					38	0	19.93	0.098
					38	18	19.87	0.097
					38	37	19.80	0.095
			20325	1747.5	75	0	19.79	0.095
					1	0	21.31	0.135
					1	38	20.91	0.123
					1	74	20.85	0.122
					38	0	19.94	0.099
					38	18	19.89	0.097
					38	37	19.87	0.097
					75	0	19.75	0.094



Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	15 MHz with CA power Pcc: Band 4 Scc: Band 5 (10M)	QPSK	20025	1717.5	1	0	21.72	0.149
					1	38	21.67	0.147
					1	74	21.52	0.142
					38	0	20.91	0.123
					38	18	20.81	0.121
					38	37	20.81	0.121
					75	0	20.79	0.120
					1	0	21.67	0.147
			20175	1732.5	1	38	21.65	0.146
					1	74	21.56	0.143
					38	0	20.99	0.126
					38	18	20.81	0.121
					38	37	20.82	0.121
					75	0	20.73	0.118
					1	0	21.71	0.148
					1	38	21.65	0.146
			20325	1747.5	1	74	21.59	0.144
					38	0	21.06	0.128
					38	18	20.93	0.124
					38	37	20.90	0.123
					75	0	20.82	0.121
		16QAM	20025	1717.5	1	0	21.24	0.133
					1	38	20.87	0.122
					1	74	20.75	0.119
					38	0	19.89	0.097
					38	18	19.78	0.095
					38	37	19.76	0.095
					75	0	19.75	0.094
			20175	1732.5	1	0	21.16	0.131
					1	38	20.83	0.121
					1	74	20.80	0.120
					38	0	19.90	0.098
					38	18	19.86	0.097
					38	37	19.78	0.095
					75	0	19.79	0.095
			20325	1747.5	1	0	21.24	0.133
					1	38	20.85	0.122
					1	74	20.85	0.122
					38	0	20.01	0.100
					38	18	19.92	0.098
					38	37	19.85	0.097
					75	0	19.83	0.096

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	15 MHz with CA power Pcc: Band 4 Scc: Band 12 (5M)	QPSK	20025	1717.5	1	0	21.68	0.147
					1	38	21.71	0.148
					1	74	21.44	0.139
					38	0	20.84	0.121
					38	18	20.88	0.122
					38	37	20.93	0.124
			20175	1732.5	75	0	20.72	0.118
					1	0	21.66	0.147
					1	38	21.56	0.143
					1	74	21.52	0.142
					38	0	20.91	0.123
					38	18	20.81	0.121
					38	37	20.72	0.118
					75	0	20.72	0.118
		16QAM	20325	1747.5	1	0	21.71	0.148
					1	38	21.58	0.144
					1	74	21.62	0.145
					38	0	21.09	0.129
					38	18	20.93	0.124
					38	37	20.89	0.123
			20025	1717.5	75	0	20.84	0.121
					1	0	21.31	0.135
					1	38	20.90	0.123
					1	74	20.68	0.117
					38	0	19.94	0.099
					38	18	19.74	0.094
					38	37	19.84	0.096
			20175	1732.5	75	0	19.90	0.098
					1	0	21.16	0.131
					1	38	20.83	0.121
					1	74	20.79	0.120
					38	0	19.84	0.096
					38	18	19.86	0.097
					38	37	19.88	0.097
			20325	1747.5	75	0	19.69	0.093
					1	0	21.37	0.137
					1	38	20.94	0.124
					1	74	20.92	0.124
					38	0	19.87	0.097
					38	18	19.99	0.100
					38	37	19.84	0.096
					75	0	19.67	0.093

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	15 MHz with CA power Pcc: Band 4 Scc: Band12 (10M)	QPSK	20025	1717.5	1	0	21.75	0.150
					1	38	21.65	0.146
					1	74	21.55	0.143
					38	0	20.92	0.124
					38	18	20.76	0.119
					38	37	20.91	0.123
			20175	1732.5	75	0	20.77	0.119
					1	0	21.59	0.144
					1	38	21.56	0.143
					1	74	21.53	0.142
					38	0	21.02	0.126
					38	18	20.91	0.123
					38	37	20.77	0.119
					75	0	20.80	0.120
		16QAM	20325	1747.5	1	0	21.64	0.146
					1	38	21.68	0.147
					1	74	21.67	0.147
					38	0	21.03	0.127
					38	18	20.99	0.126
					38	37	21.03	0.127
			20025	1717.5	75	0	20.77	0.119
					1	0	21.29	0.135
					1	38	20.88	0.122
					1	74	20.66	0.116
					38	0	19.93	0.098
					38	18	19.87	0.097
					38	37	19.86	0.097
					75	0	19.74	0.094
			20175	1732.5	1	0	21.08	0.128
					1	38	20.83	0.121
					1	74	20.73	0.118
					38	0	19.84	0.096
					38	18	19.85	0.097
					38	37	19.78	0.095
			20325	1747.5	75	0	19.86	0.097
					1	0	21.29	0.135
					1	38	20.90	0.123
					1	74	20.94	0.124
					38	0	19.98	0.100
					38	18	19.80	0.095
					38	37	19.93	0.098
					75	0	19.67	0.093

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	15 MHz with CA power Pcc: Band 4 Scc: Band 30 (5M)	QPSK	20025	1717.5	1	0	21.79	0.151
					1	38	21.55	0.143
					1	74	21.55	0.143
					38	0	20.93	0.124
					38	18	20.89	0.123
					38	37	20.91	0.123
			20175	1732.5	75	0	20.69	0.117
					1	0	21.67	0.147
					1	38	21.59	0.144
					1	74	21.51	0.142
					38	0	20.84	0.121
					38	18	20.78	0.120
					38	37	20.81	0.121
					75	0	20.74	0.119
			20325	1747.5	1	0	21.57	0.144
					1	38	21.61	0.145
					1	74	21.58	0.144
					38	0	21.02	0.126
					38	18	20.90	0.123
					38	37	20.99	0.126
					75	0	20.71	0.118
		16QAM	20025	1717.5	1	0	21.29	0.135
					1	38	20.85	0.122
					1	74	20.73	0.118
					38	0	19.85	0.097
					38	18	19.91	0.098
					38	37	19.84	0.096
			20175	1732.5	75	0	19.81	0.096
					1	0	21.06	0.128
					1	38	20.89	0.123
					1	74	20.77	0.119
					38	0	19.84	0.096
					38	18	19.78	0.095
					38	37	19.83	0.096
					75	0	19.87	0.097
			20325	1747.5	1	0	21.25	0.133
					1	38	20.89	0.123
					1	74	20.91	0.123
					38	0	20.03	0.101
					38	18	19.95	0.099
					38	37	19.80	0.095
					75	0	19.73	0.094

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	15 MHz with CA power Pcc: Band 4 Scc: Band 30 (10M)	QPSK	20025	1717.5	1	0	21.76	0.150
					1	38	21.74	0.149
					1	74	21.60	0.145
					38	0	20.98	0.125
					38	18	20.83	0.121
					38	37	20.79	0.120
			20175	1732.5	75	0	20.79	0.120
					1	0	21.71	0.148
					1	38	21.56	0.143
					1	74	21.62	0.145
					38	0	20.86	0.122
					38	18	20.90	0.123
					38	37	20.88	0.122
					75	0	20.82	0.121
			20325	1747.5	1	0	21.77	0.150
					1	38	21.53	0.142
					1	74	21.62	0.145
					38	0	21.10	0.129
					38	18	20.87	0.122
					38	37	20.89	0.123
					75	0	20.75	0.119
		16QAM	20025	1717.5	1	0	21.21	0.132
					1	38	20.83	0.121
					1	74	20.61	0.115
					38	0	19.83	0.096
					38	18	19.93	0.098
					38	37	19.81	0.096
			20175	1732.5	75	0	19.92	0.098
					1	0	21.06	0.128
					1	38	20.89	0.123
					1	74	20.85	0.122
					38	0	19.91	0.098
					38	18	19.96	0.099
					38	37	19.84	0.096
			20325	1747.5	75	0	19.76	0.095
					1	0	21.37	0.137
					1	38	20.89	0.123
					1	74	20.80	0.120
					38	0	19.85	0.097
					38	18	19.92	0.098
					38	37	19.95	0.099
					75	0	19.82	0.096

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	21.98	0.158
					1	49	21.81	0.152
					1	99	21.77	0.150
					50	0	21.07	0.128
					50	25	21.00	0.126
					50	50	20.99	0.126
			20175	1732.5	100	0	20.94	0.124
					1	0	22.05	0.160
					1	49	21.80	0.151
					1	99	21.76	0.150
					50	0	21.45	0.140
					50	25	20.92	0.124
					50	50	20.89	0.123
					100	0	20.87	0.122
			20300	1745.0	1	0	22.10	0.162
					1	49	21.93	0.156
					1	99	21.92	0.156
					50	0	21.13	0.130
					50	25	21.07	0.128
					50	50	21.04	0.127
					100	0	21.00	0.126
		16QAM	20050	1720.0	1	0	21.28	0.134
					1	49	21.05	0.127
					1	99	21.01	0.126
					50	0	20.04	0.101
					50	25	19.97	0.099
					50	50	19.94	0.099
			20175	1732.5	100	0	19.92	0.098
					1	0	21.32	0.136
					1	49	21.05	0.127
					1	99	21.03	0.127
					50	0	20.05	0.101
					50	25	19.91	0.098
					50	50	19.90	0.098
					100	0	19.87	0.097
			20300	1745.0	1	0	21.38	0.137
					1	49	21.26	0.134
					1	99	21.18	0.131
					50	0	20.16	0.104
					50	25	20.05	0.101
					50	50	20.03	0.101
					100	0	20.02	0.100

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	20 MHz with CA power Pcc: Band 4 Scc: Band 5 (5M)	QPSK	20050	1720.0	1	0	21.78	0.151
					1	49	21.66	0.147
					1	99	21.58	0.144
					50	0	20.93	0.124
					50	25	20.85	0.122
					50	50	20.79	0.120
					100	0	20.79	0.120
			20175	1732.5	1	0	21.87	0.154
					1	49	21.59	0.144
					1	99	21.62	0.145
					50	0	20.92	0.124
					50	25	20.74	0.119
					50	50	20.74	0.119
					100	0	20.70	0.117
			20300	1745.0	1	0	21.96	0.157
					1	49	21.75	0.150
					1	99	21.75	0.150
					50	0	20.99	0.126
					50	25	20.91	0.123
					50	50	20.90	0.123
					100	0	20.89	0.123
		16QAM	20050	1720.0	1	0	21.10	0.129
					1	49	20.86	0.122
					1	99	20.89	0.123
					50	0	19.86	0.097
					50	25	19.84	0.096
					50	50	19.74	0.094
					100	0	19.78	0.095
			20175	1732.5	1	0	21.17	0.131
					1	49	20.90	0.123
					1	99	20.86	0.122
					50	0	19.90	0.098
					50	25	19.79	0.095
					50	50	19.76	0.095
					100	0	19.68	0.093
			20300	1745.0	1	0	21.26	0.134
					1	49	21.12	0.129
					1	99	21.01	0.126
					50	0	20.04	0.101
					50	25	19.86	0.097
					50	50	19.89	0.097
					100	0	19.82	0.096

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	20 MHz with CA power Pcc: Band 4 Scc: Band 5 (10M)	QPSK	20050	1720.0	1	0	21.78	0.151
					1	49	21.66	0.147
					1	99	21.63	0.146
					50	0	20.89	0.123
					50	25	20.83	0.121
					50	50	20.85	0.122
					100	0	20.82	0.121
			20175	1732.5	1	0	21.87	0.154
					1	49	21.61	0.145
					1	99	21.65	0.146
					50	0	20.85	0.122
					50	25	20.81	0.121
					50	50	20.73	0.118
					100	0	20.69	0.117
			20300	1745.0	1	0	21.89	0.155
					1	49	21.73	0.149
					1	99	21.77	0.150
					50	0	20.97	0.125
					50	25	20.96	0.125
					50	50	20.91	0.123
					100	0	20.80	0.120
		16QAM	20050	1720.0	1	0	21.10	0.129
					1	49	20.88	0.122
					1	99	20.87	0.122
					50	0	19.88	0.097
					50	25	19.80	0.095
					50	50	19.80	0.095
					100	0	19.73	0.094
			20175	1732.5	1	0	21.16	0.131
					1	49	20.86	0.122
					1	99	20.90	0.123
					50	0	19.85	0.097
					50	25	19.80	0.095
					50	50	19.71	0.094
					100	0	19.68	0.093
			20300	1745.0	1	0	21.25	0.133
					1	49	21.09	0.129
					1	99	20.99	0.126
					50	0	20.04	0.101
					50	25	19.86	0.097
					50	50	19.85	0.097
					100	0	19.84	0.096

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	20 MHz with CA power Pcc: Band 4 Scc: Band 12 (5M)	QPSK	20050	1720.0	1	0	21.72	0.149
					1	49	21.63	0.146
					1	99	21.66	0.147
					50	0	20.98	0.125
					50	25	20.87	0.122
					50	50	20.86	0.122
			20175	1732.5	100	0	20.71	0.118
					1	0	21.89	0.155
					1	49	21.52	0.142
					1	99	21.58	0.144
					50	0	20.85	0.122
					50	25	20.72	0.118
					50	50	20.79	0.120
					100	0	20.75	0.119
			20300	1745.0	1	0	21.86	0.153
					1	49	21.74	0.149
					1	99	21.75	0.150
					50	0	21.03	0.127
					50	25	20.84	0.121
					50	50	20.88	0.122
		16QAM	20050	1720.0	100	0	20.81	0.121
					1	0	21.11	0.129
					1	49	20.85	0.122
					1	99	20.90	0.123
					50	0	19.90	0.098
					50	25	19.87	0.097
			20175	1732.5	50	50	19.83	0.096
					100	0	19.88	0.097
					1	0	21.15	0.130
					1	49	20.80	0.120
					1	99	20.95	0.124
					50	0	19.89	0.097
					50	25	19.81	0.096
					50	50	19.71	0.094
			20300	1745.0	100	0	19.76	0.095
					1	0	21.21	0.132
					1	49	21.03	0.127
					1	99	21.00	0.126
					50	0	20.04	0.101
					50	25	19.91	0.098
					50	50	19.88	0.097
					100	0	19.75	0.094

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	20 MHz with CA power Pcc: Band 4 Scc: Band12 (10M)	QPSK	20050	1720.0	1	0	21.83	0.152
					1	49	21.67	0.147
					1	99	21.49	0.141
					50	0	21.02	0.126
					50	25	20.78	0.120
					50	50	20.83	0.121
			20175	1732.5	100	0	20.72	0.118
					1	0	21.97	0.157
					1	49	21.64	0.146
					1	99	21.58	0.144
					50	0	20.91	0.123
					50	25	20.78	0.120
					50	50	20.67	0.117
					100	0	20.79	0.120
			20300	1745.0	1	0	21.93	0.156
					1	49	21.81	0.152
					1	99	21.66	0.147
					50	0	21.03	0.127
					50	25	20.95	0.124
					50	50	20.96	0.125
		16QAM	20050	1720.0	100	0	20.98	0.125
					1	0	21.13	0.130
					1	49	20.95	0.124
					1	99	20.83	0.121
					50	0	19.92	0.098
					50	25	19.89	0.097
			20175	1732.5	50	50	19.69	0.093
					100	0	19.79	0.095
					1	0	21.13	0.130
					1	49	20.94	0.124
					1	99	20.90	0.123
					50	0	19.97	0.099
					50	25	19.70	0.093
					50	50	19.73	0.094
			20300	1745.0	100	0	19.69	0.093
					1	0	21.17	0.131
					1	49	21.12	0.129
					1	99	20.92	0.124
					50	0	20.09	0.102
					50	25	19.76	0.095
					50	50	19.87	0.097
					100	0	19.88	0.097

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	20 MHz with CA power Pcc: Band 4 Scc: Band 30 (5M)	QPSK	20050	1720.0	1	0	21.71	0.148
					1	49	21.70	0.148
					1	99	21.51	0.142
					50	0	21.02	0.126
					50	25	20.88	0.122
					50	50	20.73	0.118
			20175	1732.5	100	0	20.83	0.121
					1	0	21.90	0.155
					1	49	21.61	0.145
					1	99	21.67	0.147
					50	0	20.86	0.122
					50	25	20.75	0.119
					50	50	20.70	0.117
					100	0	20.75	0.119
			20300	1745.0	1	0	21.92	0.156
					1	49	21.73	0.149
					1	99	21.65	0.146
					50	0	21.03	0.127
					50	25	20.82	0.121
					50	50	20.83	0.121
					100	0	20.82	0.121
		16QAM	20050	1720.0	1	0	21.06	0.128
					1	49	20.96	0.125
					1	99	20.83	0.121
					50	0	19.94	0.099
					50	25	19.78	0.095
					50	50	19.65	0.092
			20175	1732.5	100	0	19.84	0.096
					1	0	21.08	0.128
					1	49	20.86	0.122
					1	99	20.81	0.121
					50	0	19.94	0.099
					50	25	19.81	0.096
					50	50	19.82	0.096
			20300	1745.0	100	0	19.78	0.095
					1	0	21.30	0.135
					1	49	21.16	0.131
					1	99	20.92	0.124
					50	0	20.10	0.102
					50	25	19.81	0.096
					50	50	19.91	0.098
					100	0	19.80	0.095

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 4	20 MHz with CA power Pcc: Band 4 Scc: Band 30 (10M)	QPSK	20050	1720.0	1	0	21.68	0.147
					1	49	21.57	0.144
					1	99	21.65	0.146
					50	0	20.90	0.123
					50	25	20.92	0.124
					50	50	20.70	0.117
			20175	1732.5	100	0	20.70	0.117
					1	0	21.93	0.156
					1	49	21.67	0.147
					1	99	21.62	0.145
					50	0	20.93	0.124
					50	25	20.77	0.119
					50	50	20.69	0.117
					100	0	20.66	0.116
			20300	1745.0	1	0	21.95	0.157
					1	49	21.79	0.151
					1	99	21.78	0.151
					50	0	20.95	0.124
					50	25	20.84	0.121
					50	50	20.88	0.122
		16QAM	20050	1720.0	100	0	20.87	0.122
					1	0	21.00	0.126
					1	49	20.94	0.124
					1	99	20.83	0.121
					50	0	19.79	0.095
					50	25	19.91	0.098
			20175	1732.5	50	50	19.83	0.096
					100	0	19.74	0.094
					1	0	21.20	0.132
					1	49	20.89	0.123
					1	99	20.77	0.119
					50	0	19.95	0.099
					50	25	19.79	0.095
					50	50	19.74	0.094
			20300	1745.0	100	0	19.73	0.094
					1	0	21.35	0.136
					1	49	21.19	0.132
					1	99	21.10	0.129
					50	0	19.96	0.099
					50	25	19.96	0.099
					50	50	19.85	0.097
					100	0	19.91	0.098

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	23.01	0.200
					1	2	23.00	0.200
					1	5	22.98	0.199
					3	0	22.85	0.193
					3	1	22.83	0.192
					3	3	22.75	0.188
			20525	836.5	6	0	21.82	0.152
					1	0	23.35	0.216
					1	2	23.20	0.209
					1	5	23.18	0.208
					3	0	23.13	0.206
					3	1	23.09	0.204
					3	3	23.00	0.200
					6	0	22.11	0.163
			20643	848.3	1	0	23.60	0.229
					1	2	23.55	0.226
					1	5	23.50	0.224
					3	0	23.48	0.223
					3	1	23.42	0.220
					3	3	23.32	0.215
					6	0	22.47	0.177
		16QAM	20407	824.7	1	0	22.29	0.169
					1	2	22.27	0.169
					1	5	22.26	0.168
					3	0	21.93	0.156
					3	1	21.91	0.155
					3	3	21.91	0.155
			20525	836.5	6	0	20.90	0.123
					1	0	22.56	0.180
					1	2	22.46	0.176
					1	5	22.44	0.175
					3	0	22.21	0.166
					3	1	22.12	0.163
					3	3	22.03	0.160
					6	0	21.17	0.131
			20643	848.3	1	0	22.92	0.196
					1	2	22.92	0.196
					1	5	22.85	0.193
					3	0	22.65	0.184
					3	1	22.53	0.179
					3	3	22.53	0.179
					6	0	21.57	0.144

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	22.97	0.198
					1	8	22.92	0.196
					1	14	22.91	0.195
					8	0	21.98	0.158
					8	4	21.96	0.157
					8	7	21.90	0.155
					15	0	21.88	0.154
			20525	836.5	1	0	23.28	0.213
					1	8	23.17	0.207
					1	14	23.13	0.206
					8	0	22.16	0.164
					8	4	22.14	0.164
					8	7	22.11	0.163
					15	0	22.05	0.160
			20635	847.5	1	0	23.56	0.227
					1	8	23.46	0.222
					1	14	23.46	0.222
					8	0	22.54	0.179
					8	4	22.52	0.179
					8	7	22.49	0.177
					15	0	22.47	0.177
		16QAM	20415	825.5	1	0	22.21	0.166
					1	8	22.15	0.164
					1	14	22.15	0.164
					8	0	21.01	0.126
					8	4	20.99	0.126
					8	7	20.93	0.124
					15	0	20.90	0.123
			20525	836.5	1	0	22.54	0.179
					1	8	22.43	0.175
					1	14	22.33	0.171
					8	0	21.23	0.133
					8	4	21.20	0.132
					8	7	21.10	0.129
					15	0	21.08	0.128
			20635	847.5	1	0	22.90	0.195
					1	8	22.72	0.187
					1	14	22.72	0.187
					8	0	21.65	0.146
					8	4	21.57	0.144
					8	7	21.53	0.142
					15	0	21.52	0.142

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	23.00	0.200
					1	12	22.96	0.198
					1	24	22.90	0.195
					12	0	21.95	0.157
					12	6	21.90	0.155
					12	13	21.87	0.154
			20525	836.5	25	0	21.87	0.154
					1	0	23.28	0.213
					1	12	23.20	0.209
					1	24	23.16	0.207
					12	0	22.21	0.166
					12	6	22.20	0.166
					12	13	22.19	0.166
					25	0	22.17	0.165
			20625	846.5	1	0	23.52	0.225
					1	12	23.52	0.225
					1	24	23.38	0.218
					12	0	22.53	0.179
					12	6	22.49	0.177
					12	13	22.49	0.177
					25	0	22.44	0.175
		16QAM	20425	826.5	1	0	22.27	0.169
					1	12	22.19	0.166
					1	24	22.15	0.164
					12	0	20.96	0.125
					12	6	20.96	0.125
					12	13	20.93	0.124
			20525	836.5	25	0	20.91	0.123
					1	0	22.51	0.178
					1	12	22.46	0.176
					1	24	22.46	0.176
					12	0	21.20	0.132
					12	6	21.19	0.132
					12	13	21.17	0.131
					25	0	21.17	0.131
			20625	846.5	1	0	22.86	0.193
					1	12	22.71	0.187
					1	24	22.66	0.185
					12	0	21.57	0.144
					12	6	21.55	0.143
					12	11	21.54	0.143
					25	0	21.46	0.140

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	23.00	0.200
					1	24	22.84	0.192
					1	49	22.81	0.191
					25	0	22.41	0.174
					25	12	22.43	0.175
					25	25	22.41	0.174
			20525	836.5	50	0	22.34	0.171
					1	0	23.17	0.207
					1	24	23.15	0.207
					1	49	22.97	0.198
					25	0	22.70	0.186
					25	12	22.68	0.185
					25	25	22.64	0.184
					50	0	22.49	0.177
			20600	844.0	1	0	23.44	0.221
					1	24	23.28	0.213
					1	49	23.27	0.212
					25	0	22.96	0.198
					25	12	22.93	0.196
					25	25	22.82	0.191
					50	0	22.77	0.189
		16QAM	20450	829.0	1	0	22.30	0.170
					1	24	22.17	0.165
					1	49	22.12	0.163
					25	0	21.46	0.140
					25	12	21.46	0.140
					25	25	21.45	0.140
			20525	836.5	50	0	21.34	0.136
					1	0	22.47	0.177
					1	24	22.44	0.175
					1	49	22.26	0.168
					25	0	21.65	0.146
					25	12	21.64	0.146
					25	25	21.61	0.145
					50	0	21.47	0.140
			20600	844.0	1	0	22.80	0.191
					1	24	22.56	0.180
					1	49	22.50	0.178
					25	0	21.96	0.157
					25	12	21.92	0.156
					25	25	21.79	0.151
					50	0	21.74	0.149

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	22.10	0.162
					1	12	22.08	0.161
					1	24	22.04	0.160
					12	0	21.09	0.129
					12	6	21.03	0.127
					12	13	21.03	0.127
					25	0	21.00	0.126
			21100	2535.0	1	0	21.91	0.155
					1	12	21.73	0.149
					1	24	21.64	0.146
					12	0	20.68	0.117
					12	6	20.67	0.117
					12	13	20.64	0.116
					25	0	20.62	0.115
			21425	2567.5	1	0	21.56	0.143
					1	12	21.52	0.142
					1	24	21.51	0.142
					12	0	20.56	0.114
					12	6	20.55	0.114
					12	13	20.53	0.113
					25	0	20.52	0.113
		16QAM	20775	2502.5	1	0	21.33	0.136
					1	12	21.31	0.135
					1	24	21.30	0.135
					12	0	20.12	0.103
					12	6	20.03	0.101
					12	13	20.02	0.100
					25	0	20.00	0.100
			21100	2535.0	1	0	21.14	0.130
					1	12	20.91	0.123
					1	24	20.86	0.122
					12	0	19.71	0.094
					12	6	19.71	0.094
					12	13	19.71	0.094
					25	0	19.64	0.092
			21425	2567.5	1	0	20.71	0.118
					1	12	20.66	0.116
					1	24	20.63	0.116
					12	0	19.55	0.090
					12	6	19.53	0.090
					12	13	19.53	0.090
					25	0	19.51	0.089

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	22.34	0.171
					1	24	22.27	0.169
					1	49	21.88	0.154
					25	0	21.14	0.130
					25	12	21.12	0.129
					25	25	21.10	0.129
			21100	2535.0	50	0	21.09	0.129
					1	0	22.06	0.161
					1	24	21.91	0.155
					1	49	21.58	0.144
					25	0	20.93	0.124
					25	12	20.82	0.121
					25	25	20.79	0.120
					50	0	20.68	0.117
			21400	2565.0	1	0	21.76	0.150
					1	24	21.70	0.148
					1	49	21.34	0.136
					25	0	20.60	0.115
					25	12	20.59	0.115
					25	25	20.55	0.114
		16QAM	20800	2505.0	50	0	20.44	0.111
					1	0	21.54	0.143
					1	24	21.47	0.140
					1	49	21.18	0.131
					25	0	20.13	0.103
					25	12	20.13	0.103
			21100	2535.0	25	25	20.08	0.102
					50	0	20.08	0.102
					1	0	21.37	0.137
					1	24	21.16	0.131
					1	49	20.85	0.122
					25	0	19.90	0.098
					25	12	19.85	0.097
					25	25	19.82	0.096
			21400	2565.0	50	0	19.73	0.094
					1	0	21.04	0.127
					1	24	20.95	0.124
					1	49	20.59	0.115
					25	0	19.58	0.091
					25	12	19.56	0.090
					25	25	19.52	0.090
					50	0	19.45	0.088

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	22.17	0.165
					1	38	22.15	0.164
					1	74	21.90	0.155
					36	0	21.25	0.133
					36	18	21.20	0.132
					36	39	21.14	0.130
			21100	2535.0	75	0	21.12	0.129
					1	0	21.78	0.151
					1	38	21.75	0.150
					1	74	21.51	0.142
					36	0	20.85	0.122
					36	18	20.80	0.120
					36	39	20.73	0.118
					75	0	20.73	0.118
		16QAM	21375	2562.5	1	0	21.48	0.141
					1	38	21.25	0.133
					1	74	21.14	0.130
					36	0	20.47	0.111
					36	18	20.44	0.111
					36	39	20.43	0.110
			20825	2507.5	75	0	20.37	0.109
					1	0	21.45	0.140
					1	38	21.40	0.138
					1	74	21.26	0.134
					36	0	20.25	0.106
					36	18	20.16	0.104
					36	39	20.14	0.103
			21100	2535.0	75	0	20.11	0.103
					1	0	20.98	0.125
					1	38	20.95	0.124
					1	74	20.84	0.121
					36	0	19.83	0.096
					36	18	19.79	0.095
					36	39	19.76	0.095
			21375	2562.5	75	0	19.74	0.094
					1	0	20.75	0.119
					1	38	20.54	0.113
					1	74	20.52	0.113
					36	0	19.46	0.088
					36	18	19.45	0.088
					36	39	19.44	0.088
					75	0	19.34	0.086

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	22.43	0.175
					1	49	22.30	0.170
					1	99	22.05	0.160
					50	0	21.33	0.136
					50	25	21.29	0.135
					50	50	21.26	0.134
			21100	2535.0	100	0	21.24	0.133
					1	0	22.39	0.173
					1	49	21.92	0.156
					1	99	21.74	0.149
					50	0	20.92	0.124
					50	25	20.89	0.123
					50	50	20.88	0.122
					100	0	20.86	0.122
			21350	2560.0	1	0	21.98	0.158
					1	49	21.57	0.144
					1	99	21.42	0.139
					50	0	20.65	0.116
					50	25	20.60	0.115
					50	50	20.55	0.114
		16QAM	20850	2510.0	100	0	20.47	0.111
					1	0	21.73	0.149
					1	49	21.60	0.145
					1	99	21.32	0.136
					50	0	20.32	0.108
					50	25	20.31	0.107
			21100	2535.0	50	50	20.30	0.107
					100	0	20.26	0.106
					1	0	21.24	0.133
					1	49	21.22	0.132
					1	99	21.02	0.126
					50	0	19.94	0.099
					50	25	19.93	0.098
					50	50	19.90	0.098
			21350	2560.0	100	0	19.88	0.097
					1	0	20.96	0.125
					1	49	20.81	0.121
					1	99	20.70	0.117
					50	0	19.64	0.092
					50	25	19.59	0.091
					50	50	19.58	0.091
					100	0	19.48	0.089

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 12	1.4 MHz	QPSK	23017	699.7	1	0	24.01	0.252
					1	3	23.92	0.247
					1	5	23.86	0.243
					3	0	23.86	0.243
					3	2	23.84	0.242
					3	3	23.65	0.232
			23095	707.5	6	0	22.77	0.189
					1	0	24.27	0.267
					1	3	24.08	0.256
					1	5	24.07	0.255
					3	0	24.04	0.254
					3	2	23.91	0.246
					3	3	23.54	0.226
					6	0	22.99	0.199
			23173	715.3	1	0	24.29	0.269
					1	3	24.19	0.262
					1	5	24.07	0.255
					3	0	24.06	0.255
					3	2	23.88	0.244
					3	3	23.76	0.238
					6	0	22.93	0.196
		16QAM	23017	699.7	1	0	23.49	0.223
					1	3	23.40	0.219
					1	5	23.37	0.217
					3	0	23.06	0.202
					3	2	22.83	0.192
					3	3	22.58	0.181
			23095	707.5	6	0	21.94	0.156
					1	0	23.69	0.234
					1	3	23.67	0.233
					1	5	23.56	0.227
					3	0	23.38	0.218
					3	2	23.12	0.205
					3	3	22.86	0.193
					6	0	22.26	0.168
			23173	715.3	1	0	23.71	0.235
					1	3	23.60	0.229
					1	5	23.59	0.229
					3	0	23.23	0.210
					3	2	23.03	0.201
					3	3	22.77	0.189
					6	0	22.07	0.161

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 12	3 MHz	QPSK	23025	700.5	1	0	24.16	0.261
					1	8	24.01	0.252
					1	14	23.93	0.247
					8	0	22.98	0.199
					8	4	22.97	0.198
					8	8	22.96	0.198
			23095	707.5	15	0	22.96	0.198
					1	0	24.27	0.267
					1	8	24.11	0.258
					1	14	24.09	0.256
					8	0	23.18	0.208
					8	4	23.06	0.202
					8	8	23.06	0.202
					15	0	23.03	0.201
			23165	714.5	1	0	24.36	0.273
					1	8	24.06	0.255
					1	14	24.03	0.253
					8	0	23.09	0.204
					8	4	23.05	0.202
					8	8	23.04	0.201
					15	0	23.03	0.201
		16QAM	23025	700.5	1	0	23.43	0.220
					1	8	23.36	0.217
					1	14	23.26	0.212
					8	0	22.04	0.160
					8	4	21.98	0.158
					8	8	21.96	0.157
			23095	707.5	15	0	21.95	0.157
					1	0	23.68	0.233
					1	8	23.63	0.231
					1	14	23.60	0.229
					8	0	22.31	0.170
					8	4	22.23	0.167
					8	8	22.21	0.166
			23165	714.5	15	0	22.19	0.166
					1	0	23.57	0.228
					1	8	23.53	0.225
					1	14	23.51	0.224
					8	0	22.14	0.164
					8	4	22.12	0.163
					8	8	22.11	0.163
					15	0	22.10	0.162

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 12	5 MHz	QPSK	23035	701.5	1	0	24.07	0.255
					1	13	24.00	0.251
					1	24	23.98	0.250
					12	0	23.01	0.200
					12	6	23.01	0.200
					12	13	22.99	0.199
			23095	707.5	25	0	22.92	0.196
					1	0	24.19	0.262
					1	13	24.13	0.259
					1	24	24.05	0.254
					12	0	23.27	0.212
					12	6	23.22	0.210
					12	13	23.09	0.204
					25	0	23.05	0.202
			23155	713.5	1	0	24.31	0.270
					1	13	24.29	0.269
					1	24	24.26	0.267
					12	0	23.20	0.209
					12	6	23.20	0.209
					12	13	23.16	0.207
					25	0	23.08	0.203
		16QAM	23035	701.5	1	0	23.60	0.229
					1	13	23.33	0.215
					1	24	23.25	0.211
					12	0	22.15	0.164
					12	6	22.15	0.164
					12	13	22.04	0.160
			23095	707.5	25	0	22.04	0.160
					1	0	23.66	0.232
					1	13	23.53	0.225
					1	24	23.48	0.223
					12	0	22.34	0.171
					12	6	22.32	0.171
					12	13	22.17	0.165
			23155	713.5	25	0	22.17	0.165
					1	0	23.89	0.245
					1	13	23.62	0.230
					1	24	23.51	0.224
					12	0	22.35	0.172
					12	6	22.29	0.169
					12	13	22.27	0.169
					25	0	22.25	0.168

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 12	5 MHz with CA power Pcc: Band 12 Scc: Band 30 (5M)	QPSK	23035	701.5	1	0	23.93	0.247
					1	13	23.97	0.249
					1	24	23.83	0.242
					12	0	23.00	0.200
					12	6	22.94	0.197
					12	13	22.92	0.196
			23095	707.5	25	0	22.80	0.191
					1	0	24.06	0.255
					1	13	23.99	0.251
					1	24	24.04	0.254
					12	0	23.22	0.210
					12	6	23.23	0.210
					12	13	23.04	0.201
					25	0	22.97	0.198
			23155	713.5	1	0	24.18	0.262
					1	13	24.22	0.264
					1	24	24.15	0.260
					12	0	23.02	0.200
					12	6	23.19	0.208
					12	13	23.00	0.200
					25	0	22.94	0.197
		16QAM	23035	701.5	1	0	23.49	0.223
					1	13	23.15	0.207
					1	24	23.14	0.206
					12	0	21.98	0.158
					12	6	21.98	0.158
					12	13	22.00	0.158
			23095	707.5	25	0	21.93	0.156
					1	0	23.63	0.231
					1	13	23.42	0.220
					1	24	23.39	0.218
					12	0	22.31	0.170
					12	6	22.21	0.166
					12	13	22.09	0.162
					25	0	22.05	0.160
			23155	713.5	1	0	23.85	0.243
					1	13	23.48	0.223
					1	24	23.34	0.216
					12	0	22.36	0.172
					12	6	22.19	0.166
					12	13	22.18	0.165
					25	0	22.14	0.164

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 12	5 MHz with CA power Pcc: Band 12 Scc: Band 30 (10M)	QPSK	23035	701.5	1	0	23.94	0.248
					1	13	23.85	0.243
					1	24	23.92	0.247
					12	0	23.03	0.201
					12	6	22.96	0.198
					12	13	22.95	0.197
			23095	707.5	25	0	22.93	0.196
					1	0	24.07	0.255
					1	13	23.97	0.249
					1	24	23.98	0.250
					12	0	23.19	0.208
					12	6	23.12	0.205
					12	13	23.10	0.204
			23155	713.5	25	0	22.97	0.198
					1	0	24.25	0.266
					1	13	24.27	0.267
					1	24	24.19	0.262
					12	0	23.09	0.204
					12	6	23.14	0.206
					12	13	23.18	0.208
					25	0	22.98	0.199
		16QAM	23035	701.5	1	0	23.57	0.228
					1	13	23.20	0.209
					1	24	23.18	0.208
					12	0	22.07	0.161
					12	6	22.00	0.158
					12	13	21.86	0.153
			23095	707.5	25	0	21.89	0.155
					1	0	23.49	0.223
					1	13	23.35	0.216
					1	24	23.37	0.217
					12	0	22.18	0.165
					12	6	22.21	0.166
					12	13	22.01	0.159
			23155	713.5	25	0	22.16	0.164
					1	0	23.76	0.238
					1	13	23.52	0.225
					1	24	23.47	0.222
					12	0	22.30	0.170
					12	6	22.25	0.168
					12	13	22.26	0.168
					25	0	22.12	0.163

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 12	10 MHz	QPSK	23060	704.0	1	0	24.29	0.269
					1	25	24.04	0.254
					1	49	23.92	0.247
					25	0	23.26	0.212
					25	13	23.12	0.205
					25	25	23.08	0.203
			23095	707.5	50	0	23.07	0.203
					1	0	24.37	0.274
					1	25	24.09	0.256
					1	49	23.98	0.250
					25	0	23.47	0.222
					25	13	23.32	0.215
					25	25	23.32	0.215
					50	0	23.15	0.207
			23130	711.0	1	0	24.28	0.268
					1	25	24.16	0.261
					1	49	24.11	0.258
					25	0	23.39	0.218
					25	13	23.35	0.216
					25	25	23.28	0.213
					50	0	23.26	0.212
		16QAM	23060	704.0	1	0	23.87	0.244
					1	25	23.46	0.222
					1	49	23.41	0.219
					25	0	22.31	0.170
					25	13	22.24	0.167
					25	25	22.09	0.162
			23095	707.5	50	0	22.05	0.160
					1	0	23.89	0.245
					1	25	23.62	0.230
					1	49	23.48	0.223
					25	0	22.44	0.175
					25	13	22.37	0.173
					25	25	22.32	0.171
					50	0	22.10	0.162
			23130	711.0	1	0	23.91	0.246
					1	25	23.60	0.229
					1	49	23.55	0.226
					25	0	22.39	0.173
					25	13	22.36	0.172
					25	25	22.28	0.169
					50	0	22.25	0.168

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 12	10 MHz with CA power Pcc: Band 12 Scc: Band 30 (5M)	QPSK	23035	701.5	1	0	24.16	0.261
					1	13	24.05	0.254
					1	24	23.86	0.243
					12	0	23.10	0.204
					12	6	23.00	0.200
					12	13	22.93	0.196
			23095	707.5	25	0	22.99	0.199
					1	0	24.21	0.264
					1	13	23.96	0.249
					1	24	23.83	0.242
					12	0	23.45	0.221
					12	6	23.16	0.207
					12	13	23.31	0.214
					25	0	23.06	0.202
			23155	713.5	1	0	24.26	0.267
					1	13	24.13	0.259
					1	24	24.00	0.251
					12	0	23.24	0.211
					12	6	23.18	0.208
					12	13	23.20	0.209
					25	0	23.23	0.210
		16QAM	23035	701.5	1	0	23.76	0.238
					1	13	23.46	0.222
					1	24	23.31	0.214
					12	0	22.16	0.164
					12	6	22.21	0.166
					12	13	22.10	0.162
			23095	707.5	25	0	22.07	0.161
					1	0	23.89	0.245
					1	13	23.61	0.230
					1	24	23.40	0.219
					12	0	22.45	0.176
					12	6	22.23	0.167
					12	13	22.17	0.165
			23155	713.5	25	0	21.92	0.156
					1	0	23.80	0.240
					1	13	23.57	0.228
					1	24	23.44	0.221
					12	0	22.30	0.170
					12	6	22.20	0.166
					12	13	22.28	0.169
					25	0	22.18	0.165

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 12	10 MHz with CA power Pcc: Band 12 Scc: Band 30 (10M)	QPSK	23035	701.5	1	0	24.11	0.258
					1	13	23.88	0.244
					1	24	23.86	0.243
					12	0	23.13	0.206
					12	6	23.13	0.206
					12	13	23.00	0.200
			23095	707.5	25	0	23.09	0.204
					1	0	24.36	0.273
					1	13	24.10	0.257
					1	24	23.86	0.243
					12	0	23.35	0.216
					12	6	23.27	0.212
					12	13	23.15	0.207
					25	0	23.03	0.201
			23155	713.5	1	0	24.25	0.266
					1	13	24.09	0.256
					1	24	23.99	0.251
					12	0	23.34	0.216
					12	6	23.23	0.210
					12	13	23.11	0.205
					25	0	23.27	0.212
		16QAM	23035	701.5	1	0	23.79	0.239
					1	13	23.31	0.214
					1	24	23.43	0.220
					12	0	22.17	0.165
					12	6	22.08	0.161
					12	13	22.03	0.160
			23095	707.5	25	0	21.94	0.156
					1	0	23.82	0.241
					1	13	23.61	0.230
					1	24	23.35	0.216
					12	0	22.26	0.168
					12	6	22.35	0.172
					12	13	22.22	0.167
					25	0	22.01	0.159
			23155	713.5	1	0	23.77	0.238
					1	13	23.53	0.225
					1	24	23.38	0.218
					12	0	22.35	0.172
					12	6	22.23	0.167
					12	13	22.26	0.168
					25	0	22.12	0.163

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 30	5 MHz	QPSK	27685	2307.5	1	0	23.66	0.232
					1	12	23.63	0.231
					1	24	23.58	0.228
					12	0	22.59	0.182
					12	6	22.59	0.182
					12	13	22.58	0.181
			27710	2310.0	25	0	22.57	0.181
					1	0	23.81	0.240
					1	12	23.70	0.234
					1	24	23.56	0.227
					12	0	22.68	0.185
					12	6	22.64	0.184
					12	13	22.63	0.183
					25	0	22.58	0.181
			27735	2312.5	1	0	23.79	0.239
					1	12	23.68	0.233
					1	24	23.65	0.232
					12	0	22.72	0.187
					12	6	22.66	0.185
					12	13	22.65	0.184
		16QAM	27685	2307.5	25	0	22.59	0.182
					1	0	23.04	0.201
					1	12	22.97	0.198
					1	24	22.55	0.180
					12	0	21.66	0.147
					12	6	21.64	0.146
			27710	2310.0	12	13	21.64	0.146
					25	0	21.57	0.144
					1	0	22.87	0.194
					1	12	22.86	0.193
					1	24	22.82	0.191
					12	0	21.74	0.149
					12	6	21.71	0.148
					12	13	21.68	0.147
			27735	2312.5	25	0	21.62	0.145
					1	0	23.15	0.207
					1	12	22.99	0.199
					1	24	22.92	0.196
					12	0	21.84	0.153
					12	6	21.78	0.151
					12	11	21.75	0.150
					25	0	21.61	0.145

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 30	10 MHz	QPSK	27710	2310.0	1	0	23.90	0.245
					1	24	23.62	0.230
					1	49	23.57	0.228
					25	0	22.80	0.191
					25	12	22.77	0.189
					25	25	22.68	0.185
					50	0	22.56	0.180
		16QAM	27710	2310.0	1	0	23.31	0.214
					1	24	23.03	0.201
					1	49	22.82	0.191
					25	0	21.86	0.153
					25	12	21.79	0.151
					25	25	21.75	0.150
					50	0	21.52	0.142

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(c)(9): Control and mobile stations in the 698-746 MHz band 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.

For FCC Part 27.50(a)(3): For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz (0.05W/1MHz) of authorized bandwidth. except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz (0.25W/5MHz) of authorized bandwidth.

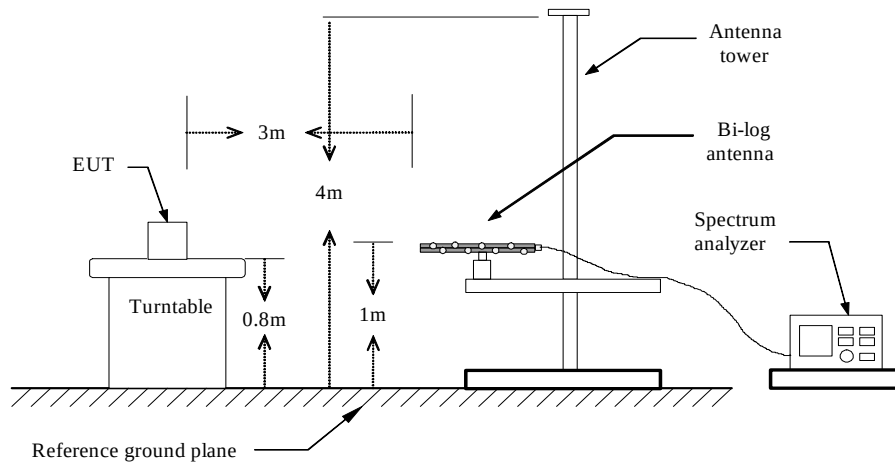
3.2. Test Instruments

3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
RF Pre-selector	Agilent	N9039A	MY46520256	01/06/2015	1 year
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/06/2015	1 year
Pre Amplifier	Agilent	8449B	3008A02237	02/24/2015	1 year
Pre Amplifier	Agilent	8447D	2944A10961	02/24/2015	1 year
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	08/11/2015	1 year
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/12/2015	1 year
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	07/06/2015	1 year
Test Site	ATL	TE01	888001	08/27/2015	1 year

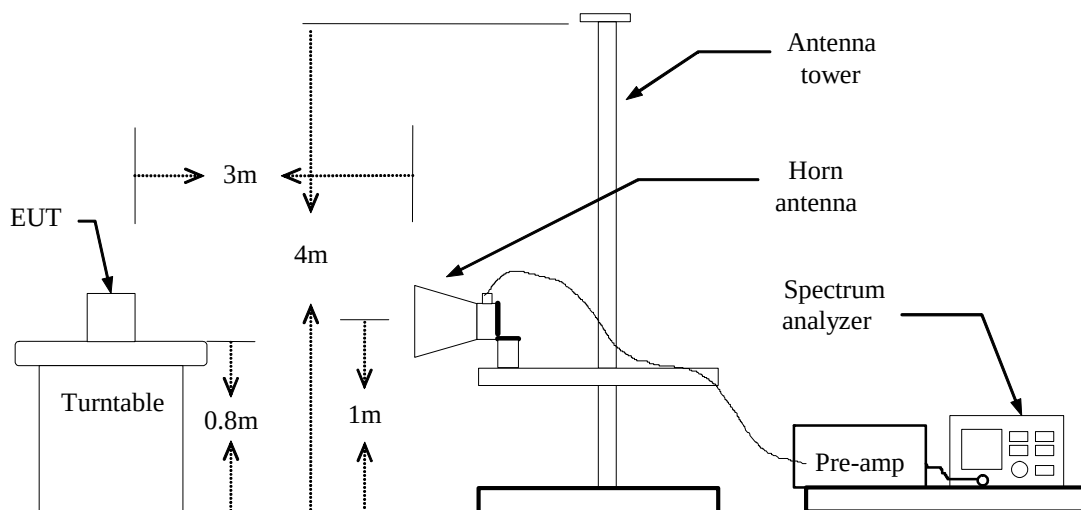
Note: N.C.R. = No Calibration Request.

3.3. Test Setup

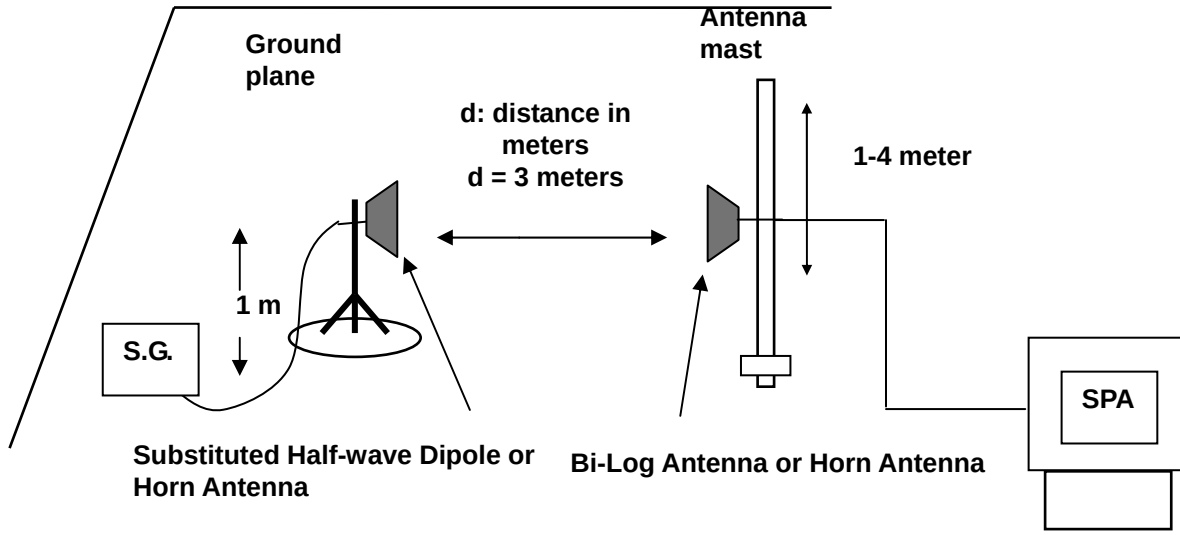
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



3.4. Test Procedure

- 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 5MHz for LTE and WCDMA mode.
- 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.
- 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.
- $E.I.R.P. = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$
- $E.R.P. = E.I.R.P. - 2.15 \text{ dB}$

3.5. Uncertainty

The measurement uncertainty is defined as for Field Strength of Spurious Radiation measurement is $\pm 3.072 \text{ dB}$.

3.6. Test Result

Model Number	AC815S
Test Item	E.I.R.P. / E.R.P.
Date of Test	11/05/2015

LTE Band 2								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dB)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
1.4 M	QPSK	1850.7	H	8.41	11.90	20.31	0.107	< 2
			V	9.62	11.90	21.52	0.142	< 2
		1880.0	H	8.26	11.92	20.18	0.104	< 2
			V	9.32	11.94	21.26	0.134	< 2
		1909.3	H	8.13	11.96	20.09	0.102	< 2
			V	9.42	11.96	21.38	0.137	< 2
	16QAM	1880.0	H	7.19	11.92	19.11	0.081	< 2
			V	8.40	11.93	20.33	0.108	< 2
3 MHz	QPSK	1851.5	H	8.57	11.90	20.47	0.111	< 2
			V	9.67	11.90	21.57	0.144	< 2
		1880.0	H	8.35	11.93	20.28	0.107	< 2
			V	9.63	11.93	21.56	0.143	< 2
		1908.5	H	8.47	11.95	20.42	0.110	< 2
			V	9.69	11.95	21.64	0.146	< 2
	16QAM	1880.0	H	7.25	11.93	19.18	0.083	< 2
			V	8.51	11.93	20.44	0.111	< 2
5 MHz	QPSK	1852.5	H	8.46	11.90	20.36	0.109	< 2
			V	9.49	11.90	21.39	0.138	< 2
		1880.0	H	8.33	11.92	20.25	0.106	< 2
			V	9.61	11.92	21.53	0.142	< 2
		1907.5	H	8.62	11.95	20.57	0.114	< 2
			V	9.56	11.95	21.51	0.142	< 2
	16QAM	1880.0	H	7.77	11.92	19.69	0.093	< 2
			V	8.46	11.92	20.38	0.109	< 2

LTE Band 2								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dB)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
10 M	QPSK	1855.0	H	8.45	11.90	20.35	0.108	< 2
			V	9.78	11.90	21.68	0.147	< 2
		1880.0	H	8.25	11.93	20.18	0.104	< 2
			V	9.42	11.93	21.35	0.136	< 2
		1905.0	H	8.27	11.95	20.22	0.105	< 2
			V	9.42	11.95	21.37	0.137	< 2
	16QAM	1880.0	H	7.21	11.93	19.14	0.082	< 2
			V	8.26	11.93	20.19	0.104	< 2
15 MHz	QPSK	1857.5	H	8.43	11.91	20.34	0.108	< 2
			V	9.76	11.91	21.67	0.147	< 2
		1880.0	H	8.36	11.93	20.29	0.107	< 2
			V	9.39	11.93	21.32	0.136	< 2
		1902.5	H	8.37	11.95	20.32	0.108	< 2
			V	9.59	11.95	21.54	0.143	< 2
	16QAM	1880.0	H	7.22	11.93	19.15	0.082	< 2
			V	8.32	11.93	20.25	0.106	< 2
20 MHz	QPSK	1860.0	H	8.36	11.91	20.27	0.106	< 2
			V	9.59	11.91	21.50	0.141	< 2
		1880.0	H	8.52	11.92	20.44	0.111	< 2
			V	9.61	11.92	21.53	0.142	< 2
		1900.0	H	8.24	11.93	20.17	0.104	< 2
			V	9.48	11.93	21.41	0.138	< 2
	16QAM	1880.0	H	7.48	11.92	19.40	0.087	< 2
			V	8.41	11.92	20.33	0.108	< 2

LTE Band 4								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dB)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
1.4 M	QPSK	1710.7	H	8.67	11.80	20.47	0.111	< 1
			V	9.89	11.80	21.69	0.148	< 1
		1732.5	H	8.51	11.82	20.33	0.108	< 1
			V	9.54	11.82	21.36	0.137	< 1
		1754.3	H	8.44	11.85	20.29	0.107	< 1
			V	9.55	11.85	21.40	0.138	< 1
	16QAM	1732.5	H	7.50	11.81	19.31	0.085	< 1
			V	8.47	11.81	20.28	0.107	< 1
3 MHz	QPSK	1711.5	H	8.47	11.80	20.27	0.106	< 1
			V	9.62	11.79	21.41	0.138	< 1
		1732.5	H	8.50	11.82	20.32	0.108	< 1
			V	9.56	11.82	21.38	0.137	< 1
		1753.5	H	8.65	11.82	20.47	0.111	< 1
			V	9.60	11.82	21.42	0.139	< 1
	16QAM	1732.5	H	7.40	11.82	19.22	0.084	< 1
			V	8.48	11.82	20.30	0.107	< 1
5 MHz	QPSK	1712.5	H	8.59	11.80	20.39	0.109	< 1
			V	9.76	11.80	21.56	0.143	< 1
		1732.5	H	8.53	11.82	20.35	0.108	< 1
			V	9.46	11.82	21.28	0.134	< 1
		1752.5	H	8.71	11.83	20.54	0.113	< 1
			V	9.63	11.83	21.46	0.140	< 1
	16QAM	1732.5	H	7.40	11.82	19.22	0.084	< 1
			V	8.31	11.82	20.13	0.103	< 1

LTE Band 4								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dB)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
10 M	QPSK	1715.0	H	8.40	11.80	20.20	0.105	< 1
			V	9.58	11.80	21.38	0.137	< 1
		1732.5	H	8.54	11.82	20.36	0.109	< 1
			V	9.49	11.82	21.31	0.135	< 1
		1750.0	H	8.78	11.83	20.61	0.115	< 1
			V	9.81	11.83	21.64	0.146	< 1
	16QAM	1732.5	H	7.34	11.82	19.16	0.082	< 1
			V	8.45	11.82	20.27	0.106	< 1
15 MHz	QPSK	1717.5	H	8.37	11.80	20.17	0.104	< 1
			V	9.60	11.80	21.40	0.138	< 1
		1732.5	H	8.41	11.82	20.23	0.105	< 1
			V	9.50	11.82	21.32	0.136	< 1
		1747.5	H	8.50	11.82	20.32	0.108	< 1
			V	9.55	11.83	21.38	0.137	< 1
	16QAM	1732.5	H	7.55	11.82	19.37	0.086	< 1
			V	8.57	11.82	20.39	0.109	< 1
20 MHz	QPSK	1720.0	H	8.41	11.80	20.21	0.105	< 1
			V	9.35	11.80	21.15	0.130	< 1
		1732.5	H	8.44	11.81	20.25	0.106	< 1
			V	9.47	11.81	21.28	0.134	< 1
		1745.0	H	8.64	11.82	20.46	0.111	< 1
			V	9.82	11.82	21.64	0.146	< 1
	16QAM	1732.5	H	7.57	11.81	19.38	0.087	< 1
			V	8.40	11.81	20.21	0.105	< 1

LTE Band 5								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dB)	E.R.P.		Limit (W)
						(dBm)	(W)	
1.4 M	QPSK	824.7	H	7.24	12.84	20.08	0.102	< 7
			V	9.41	12.18	21.59	0.144	< 7
		836.5	H	6.23	12.96	19.19	0.083	< 7
			V	8.86	12.24	21.10	0.129	< 7
		848.3	H	7.15	13.35	20.50	0.112	< 7
			V	9.26	12.36	21.62	0.145	< 7
	16QAM	824.7	H	5.14	12.97	18.11	0.065	< 7
			V	7.81	12.24	20.05	0.101	< 7
3 MHz	QPSK	825.5	H	7.49	12.84	20.33	0.108	< 7
			V	9.61	12.18	21.79	0.151	< 7
		836.5	H	7.25	12.96	20.21	0.105	< 7
			V	9.46	12.23	21.69	0.148	< 7
		847.5	H	6.89	13.30	20.19	0.104	< 7
			V	9.08	12.34	21.42	0.139	< 7
	16QAM	836.5	H	6.17	12.96	19.13	0.082	< 7
			V	8.32	12.23	20.55	0.114	< 7
5 MHz	QPSK	826.5	H	7.41	12.84	20.25	0.106	< 7
			V	9.63	12.18	21.81	0.152	< 7
		836.5	H	7.21	12.95	20.16	0.104	< 7
			V	9.50	12.23	21.73	0.149	< 7
		846.5	H	8.13	12.31	20.44	0.111	< 7
			V	9.65	12.31	21.96	0.157	< 7
	16QAM	836.5	H	6.09	12.95	19.04	0.080	< 7
			V	8.58	12.23	20.81	0.121	< 7
10 M	QPSK	829.0	H	7.50	12.84	20.34	0.108	< 7
			V	9.34	12.18	21.52	0.142	< 7
		836.5	H	7.35	12.92	20.27	0.106	< 7
			V	9.46	12.21	21.67	0.147	< 7
		844.0	H	7.19	13.01	20.20	0.105	< 7
			V	9.46	12.26	21.72	0.149	< 7
	16QAM	836.5	H	6.31	12.92	19.23	0.084	< 7
			V	8.50	12.21	20.71	0.118	< 7

LTE Band 7								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dB)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
5 M	QPSK	2502.5	H	6.55	14.05	20.60	0.115	< 2
			V	7.49	14.05	21.54	0.143	< 2
		2535.0	H	6.47	14.17	20.64	0.116	< 2
			V	7.39	14.17	21.56	0.143	< 2
		2567.5	H	6.22	14.29	20.51	0.112	< 2
			V	6.97	14.29	21.26	0.134	< 2
	16QAM	2535.0	H	5.64	14.17	19.81	0.096	< 2
			V	6.20	14.17	20.37	0.109	< 2
10 MHz	QPSK	2502.5	H	6.22	14.05	20.27	0.106	< 2
			V	7.44	14.05	21.49	0.141	< 2
		2535.0	H	6.27	14.16	20.43	0.110	< 2
			V	7.21	14.16	21.37	0.137	< 2
		2567.5	H	6.28	14.28	20.56	0.114	< 2
			V	7.08	14.28	21.36	0.137	< 2
	16QAM	2535.0	H	5.17	14.16	19.33	0.086	< 2
			V	6.16	14.16	20.32	0.108	< 2
15 MHz	QPSK	2502.5	H	6.13	14.05	20.18	0.104	< 2
			V	7.22	14.05	21.27	0.134	< 2
		2535.0	H	6.11	14.15	20.26	0.106	< 2
			V	7.27	14.15	21.42	0.139	< 2
		2567.5	H	6.04	14.25	20.29	0.107	< 2
			V	7.10	14.25	21.35	0.136	< 2
	16QAM	2535.0	H	5.25	14.15	19.40	0.087	< 2
			V	6.36	14.15	20.51	0.112	< 2
20 M	QPSK	2502.5	H	6.30	14.05	20.35	0.108	< 2
			V	7.48	14.05	21.53	0.142	< 2
		2535.0	H	6.28	14.15	20.43	0.110	< 2
			V	7.33	14.15	21.48	0.141	< 2
		2567.5	H	6.01	14.24	20.25	0.106	< 2
			V	7.31	14.24	21.55	0.143	< 2
	16QAM	2535.0	H	5.24	14.15	19.39	0.087	< 2
			V	6.30	14.15	20.45	0.111	< 2

LTE Band 12								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dB)	E.R.P.		Limit (W)
						(dBm)	(W)	
1.4 M	QPSK	699.7	H	12.10	8.09	20.19	0.104	< 30
			V	10.31	11.30	21.61	0.145	< 30
		707.5	H	12.21	8.26	20.47	0.111	< 30
			V	10.30	11.55	21.85	0.153	< 30
		715.3	H	11.83	8.49	20.32	0.108	< 30
			V	9.97	11.82	21.79	0.151	< 30
	16QAM	707.5	H	11.16	8.27	19.43	0.088	< 30
			V	9.11	11.55	20.66	0.116	< 30
3 MHz	QPSK	699.7	H	12.59	8.09	20.68	0.117	< 30
			V	10.64	11.30	21.94	0.156	< 30
		707.5	H	12.19	8.25	20.44	0.111	< 30
			V	10.37	11.53	21.90	0.155	< 30
		715.3	H	11.79	8.44	20.23	0.105	< 30
			V	10.04	11.76	21.80	0.151	< 30
	16QAM	707.5	H	11.51	8.25	19.76	0.095	< 30
			V	9.06	11.53	20.59	0.115	< 30
5 MHz	QPSK	699.7	H	12.25	8.09	20.34	0.108	< 30
			V	10.41	11.31	21.72	0.149	< 30
		707.5	H	12.03	8.22	20.25	0.106	< 30
			V	10.07	11.50	21.57	0.144	< 30
		715.3	H	11.92	8.39	20.31	0.107	< 30
			V	9.94	11.70	21.64	0.146	< 30
	16QAM	707.5	H	11.03	8.22	19.25	0.084	< 30
			V	8.79	11.50	20.29	0.107	< 30
10 M	QPSK	699.7	H	12.08	8.08	20.16	0.104	< 30
			V	10.23	11.31	21.54	0.143	< 30
		707.5	H	12.39	8.16	20.55	0.114	< 30
			V	10.00	11.43	21.43	0.139	< 30
		715.3	H	11.93	8.26	20.19	0.104	< 30
			V	9.75	11.55	21.30	0.135	< 30
	16QAM	707.5	H	11.11	8.17	19.28	0.085	< 30
			V	8.79	11.43	20.22	0.105	< 30

LTE Band 30								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm/1MHz)	Correction Factor (dB)	E.I.R.P.		Limit (W/1MHz)
						(dBm/1MHz)	(W/1MHz)	
5 MHz	QPSK	2307.5	H	8.52	4.70	13.22	0.021	< 0.05
			V	9.60	4.70	14.30	0.027	< 0.05
		2310.0	H	8.63	4.69	13.32	0.021	< 0.05
			V	9.70	4.69	14.39	0.027	< 0.05
		2312.5	H	8.44	4.70	13.14	0.021	< 0.05
			V	9.56	4.70	14.26	0.027	< 0.05
	16QAM	2310.0	H	7.75	4.69	12.44	0.018	< 0.05
			V	8.66	4.69	13.35	0.022	< 0.05
10 M	QPSK	2310.0	H	8.64	4.70	13.34	0.022	< 0.05
			V	9.53	4.70	14.23	0.026	< 0.05
	16QAM	2310.0	H	7.44	4.70	12.14	0.016	< 0.05
			V	8.83	4.70	13.53	0.023	< 0.05

4 Frequency Stability Test

4.1. Limit

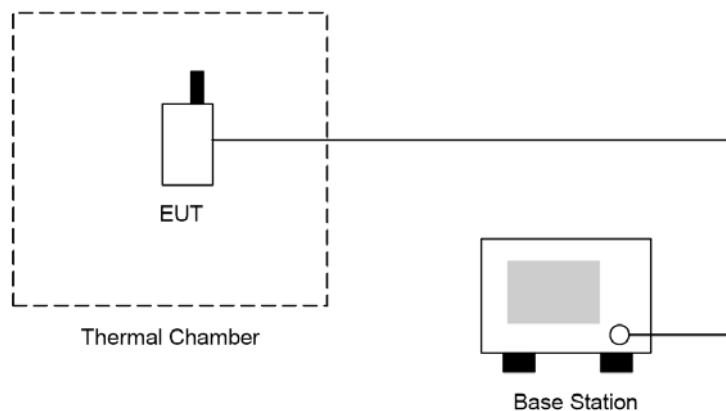
According to the FCC rule shall be tested the frequency stability. The rule is defined that" The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation. The test extreme voltage is according to the 2.1055(d)(1) Vary primary supply 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	Cal. Period
Wideband Radio Communication Test	R & S	CMW500	103168	10/30/2015	1 year
Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	04/27/2015	1 year
Test Site	ATL	TE05	TE05	N.C.R.	-----

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	AC815S
Test Item	Frequency Stability
Date of Test	11/05/2015, 12/03/2015

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	-2.01	-0.001	± 2.5
		3.80	20	1.77	0.001	± 2.5
		3.50	20	0.33	0.000	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	1880.0	3.80	-30	-6.98	-0.004	± 2.5
		3.80	-20	7.34	0.004	± 2.5
		3.80	-10	-10.44	-0.006	± 2.5
		3.80	0	-6.84	-0.004	± 2.5
		3.80	10	-6.69	-0.004	± 2.5
		3.80	20	1.92	0.001	± 2.5
		3.80	30	-10.15	-0.005	± 2.5
		3.80	40	-15.17	-0.008	± 2.5
		3.80	50	-6.77	-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	-6.34	-0.004	± 2.5
		3.80	20	2.43	0.001	± 2.5
		3.50	20	-12.25	-0.007	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	1732.5	3.80	-30	-13.64	-0.008	± 2.5
		3.80	-20	-1.08	-0.001	± 2.5
		3.80	-10	-14.31	-0.008	± 2.5
		3.80	0	-2.17	-0.001	± 2.5
		3.80	10	-3.68	-0.002	± 2.5
		3.80	20	5.83	0.003	± 2.5
		3.80	30	-7.97	-0.005	± 2.5
		3.80	40	-9.43	-0.005	± 2.5
		3.80	50	-4.92	-0.003	± 2.5

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	-6.56	-0.008	± 2.5
		3.80	20	-7.53	-0.009	± 2.5
		3.50	20	-7.63	-0.009	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
10 MHz	836.5	3.80	-30	2.06	0.002	± 2.5
		3.80	-20	12.40	0.015	± 2.5
		3.80	-10	4.18	0.005	± 2.5
		3.80	0	-5.03	-0.006	± 2.5
		3.80	10	-14.28	-0.017	± 2.5
		3.80	20	-9.60	-0.011	± 2.5
		3.80	30	-6.60	-0.008	± 2.5
		3.80	40	-0.62	-0.001	± 2.5
		3.80	50	1.35	0.002	± 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	-14.45	-0.006	± 2.5
		3.80	20	3.73	0.001	± 2.5
		3.50	20	-12.76	-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	-30	0.17	0.000	± 2.5
		3.80	-20	9.61	0.004	± 2.5
		3.80	-10	-12.77	-0.005	± 2.5
		3.80	0	2.28	0.001	± 2.5
		3.80	10	-9.28	-0.004	± 2.5
		3.80	20	-7.33	-0.003	± 2.5
		3.80	30	3.55	0.001	± 2.5
		3.80	40	-13.15	-0.005	± 2.5
		3.80	50	-4.90	-0.002	± 2.5

LTE Band 12 _ QPSK						
Voltage						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
10 MHz	705.5	4.35	20	-4.81	-0.007	± 2.5
		3.80	20	-4.11	-0.006	± 2.5
		3.50	20	-12.82	-0.018	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
10 MHz	707.5	3.80	-30	-8.62	-0.012	± 2.5
		3.80	-20	2.23	0.003	± 2.5
		3.80	-10	4.77	0.007	± 2.5
		3.80	0	-4.92	-0.007	± 2.5
		3.80	10	-1.69	-0.002	± 2.5
		3.80	20	-6.80	-0.010	± 2.5
		3.80	30	-7.34	-0.010	± 2.5
		3.80	40	-14.96	-0.021	± 2.5
		3.80	50	3.87	0.005	± 2.5

LTE Band 30 _ QPSK						
Voltage						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
10 MHz	2310.0	4.35	20	6.33	0.003	± 2.5
		3.80	20	12.15	0.005	± 2.5
		3.50	20	-5.21	-0.002	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
10 MHz	2310.0	3.80	-30	-11.91	-0.005	± 2.5
		3.80	-20	-6.48	-0.003	± 2.5
		3.80	-10	2.86	0.001	± 2.5
		3.80	0	-5.89	-0.003	± 2.5
		3.80	10	6.40	0.003	± 2.5
		3.80	20	-5.83	-0.003	± 2.5
		3.80	30	-7.88	-0.003	± 2.5
		3.80	40	-23.00	-0.010	± 2.5
		3.80	50	11.93	0.005	± 2.5

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.

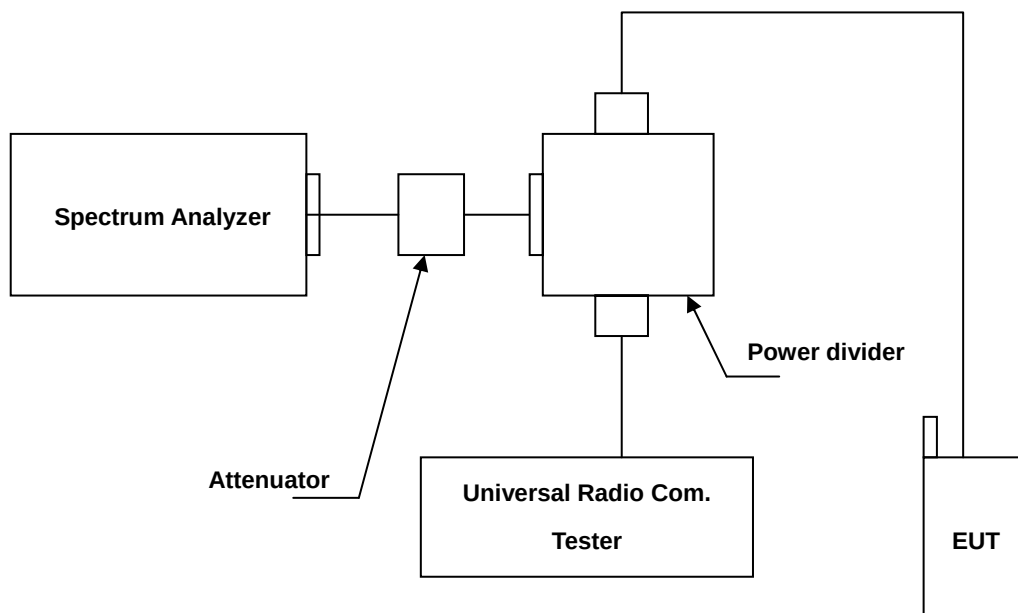
The emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

5.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Period
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/14/2015	1 year
Wideband Radio Communication Test	R & S	CMW500	103168	10/30/2015	1 year
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

ote: 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 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	AC815S
Test Item	Emission Bandwidth & Occupied Bandwidth
Date of Test	10/19/2015, 12/03/2015

LTE Band 2				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	1850.7	1.214	1.0786
		1880.0	1.201	1.0734
		1909.3	1.215	1.0770
	3 MHz	1851.5	2.956	2.6834
		1880.0	2.938	2.6888
		1908.5	2.945	2.6854
	5 MHz	1852.5	4.884	4.4762
		1880.0	4.828	4.4550
		1907.5	4.850	4.4557
	10 MHz	1855.0	9.706	8.9577
		1880.0	9.504	8.9401
		1905.0	9.576	8.9374
	15 MHz	1857.5	14.459	13.4452
		1880.0	14.416	13.4050
		1902.5	14.284	13.3746
	20 MHz	1860.0	18.986	17.9214
		1880.0	18.886	17.8657
		1900.0	19.142	17.8568
16QAM	1.4 MHz	1850.7	1.213	1.0776
		1880.0	1.203	1.0743
		1909.3	1.214	1.0776
	3 MHz	1851.5	2.954	2.6857
		1880.0	2.916	2.6813
		1908.5	2.945	2.6850
	5 MHz	1852.5	4.876	4.4769
		1880.0	4.879	4.4637
		1907.5	4.793	4.4557
	10 MHz	1855.0	9.711	8.9573
		1880.0	9.618	8.9429
		1905.0	9.565	8.9539
	15 MHz	1857.5	14.370	13.4546
		1880.0	14.415	13.4064
		1902.5	14.275	13.3863
	20 MHz	1860.0	18.982	17.9040
		1880.0	19.001	17.8507
		1900.0	18.886	17.8193

LTE Band 4				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	1710.7	1.202	1.0744
		1732.5	1.211	1.0767
		1754.3	1.211	1.0785
	3 MHz	1711.5	2.911	2.6869
		1732.5	2.919	2.6883
		1753.5	2.959	2.6865
	5 MHz	1712.5	4.873	4.4771
		1732.5	4.838	4.4527
		1752.5	4.870	4.4704
	10 MHz	1715.0	9.669	8.9632
		1732.5	9.592	8.9406
		1750.0	9.640	8.9421
	15 MHz	1717.5	14.398	13.4464
		1732.5	14.198	13.3954
		1747.5	14.455	13.4528
	20 MHz	1720.0	19.103	17.9188
		1732.5	18.837	17.8502
		1745.0	19.141	17.9325
16QAM	1.4 MHz	1710.7	1.192	1.0747
		1732.5	1.212	1.0757
		1754.3	1.210	1.0787
	3 MHz	1711.5	2.911	2.6884
		1732.5	2.930	2.6894
		1753.5	2.955	2.6849
	5 MHz	1712.5	4.860	4.4772
		1732.5	4.865	4.4647
		1752.5	4.859	4.4642
	10 MHz	1715.0	9.676	8.9607
		1732.5	9.616	8.9359
		1750.0	9.592	8.9485
	15 MHz	1717.5	14.384	13.4447
		1732.5	14.334	13.3859
		1747.5	14.445	13.4672
	20 MHz	1720.0	19.028	17.8831
		1732.5	18.988	17.8506
		1745.0	19.148	17.9228

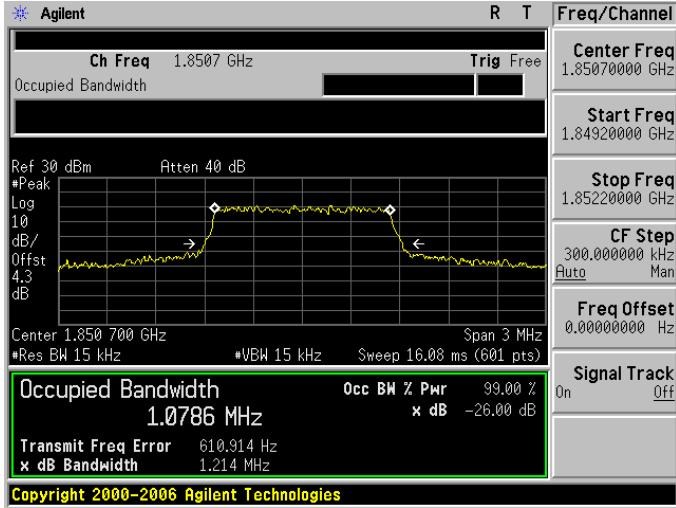
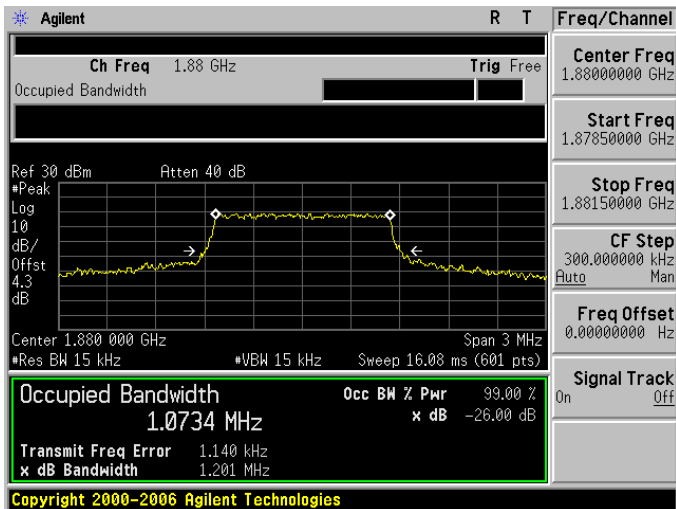
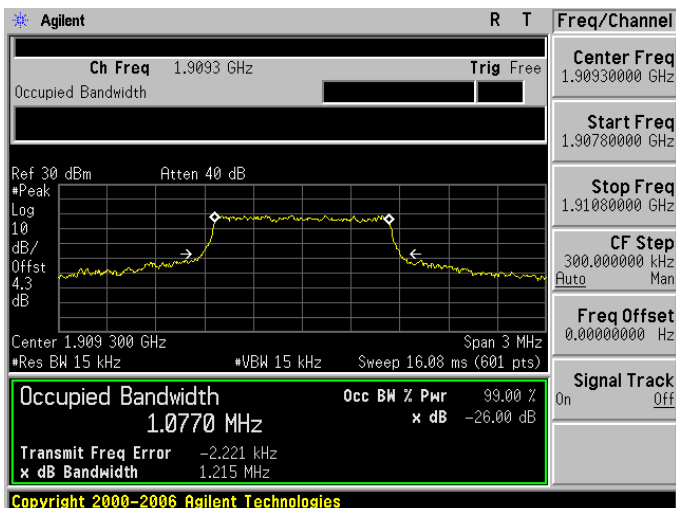
LTE Band 5				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	824.7	1.216	1.0768
		836.5	1.182	1.0770
		848.3	1.189	1.0751
	3 MHz	825.5	2.925	2.6793
		836.5	2.936	2.6783
		847.5	2.954	2.6898
	5 MHz	826.5	4.861	4.4676
		836.5	4.864	4.4620
		846.5	4.844	4.4656
	10 MHz	829.0	9.646	8.9479
		836.5	9.622	8.9372
		844.0	9.611	8.9478
16QAM	1.4 MHz	824.7	1.215	1.0770
		836.5	1.189	1.0769
		848.3	1.201	1.0751
	3 MHz	825.5	2.925	2.6787
		836.5	2.938	2.6801
		847.5	2.924	2.6882
	5 MHz	826.5	4.851	4.4687
		836.5	4.884	4.4646
		846.5	4.838	4.4631
	10 MHz	829.0	9.669	8.9450
		836.5	9.625	8.9391
		844.0	9.529	8.9543

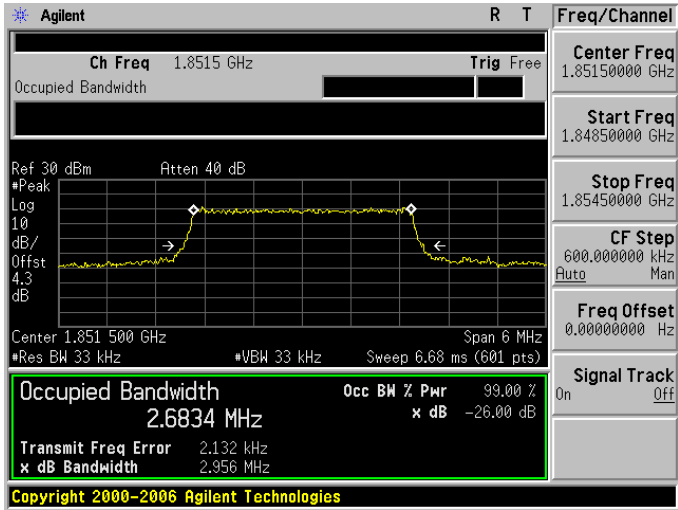
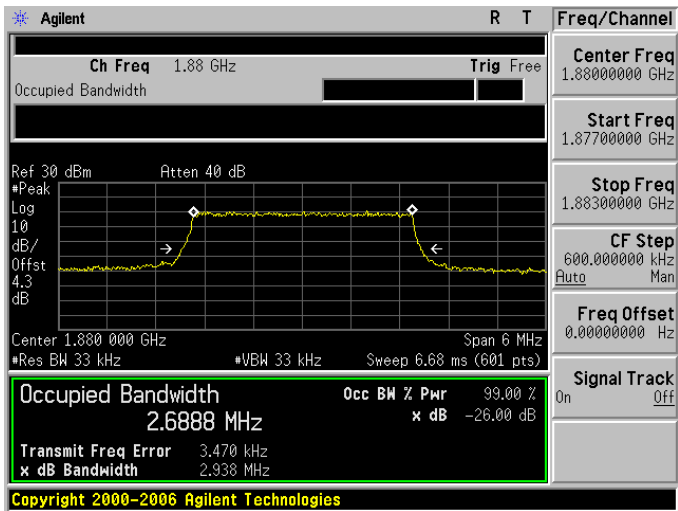
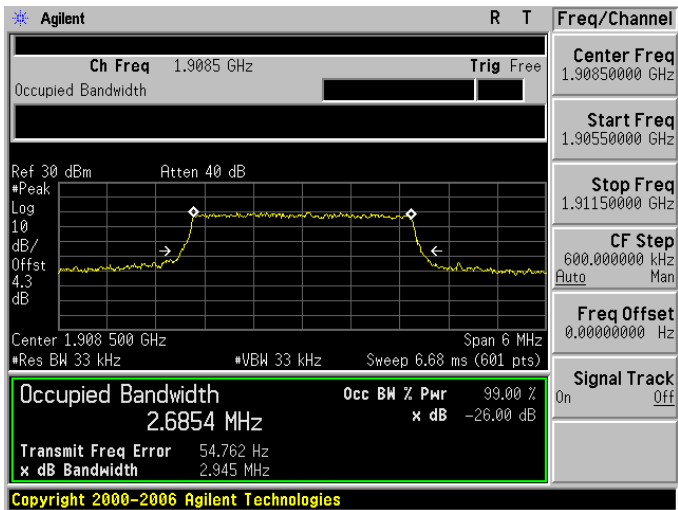
LTE Band 7				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	5 MHz	2502.5	4.930	4.4763
		2535.0	4.973	4.4862
		2567.5	4.973	4.4753
	10 MHz	2505.0	9.706	8.9485
		2535.0	9.804	8.9512
		2565.0	9.785	8.9526
	15 MHz	2507.5	14.667	13.3824
		2535.0	14.492	13.4350
		2562.5	14.591	13.4619
	20 MHz	2510.0	18.873	17.7681
		2535.0	19.315	17.8904
		2560.0	19.418	17.8647
16QAM	5 MHz	2502.5	4.912	4.4771
		2535.0	4.999	4.4857
		2567.5	4.975	4.4724
	10 MHz	2505.0	9.693	8.9366
		2535.0	9.816	8.9583
		2565.0	9.785	8.9522
	15 MHz	2507.5	14.667	13.3572
		2535.0	14.637	13.4233
		2562.5	14.569	13.4237
	20 MHz	2510.0	18.873	17.7629
		2535.0	19.370	17.8946
		2560.0	19.075	17.8603

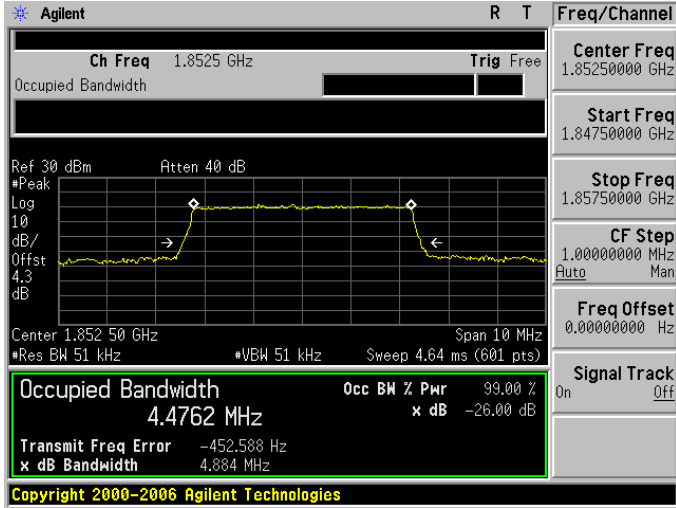
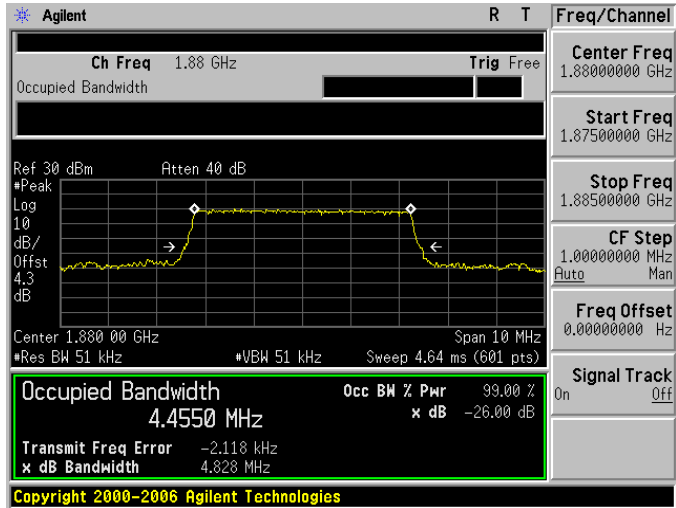
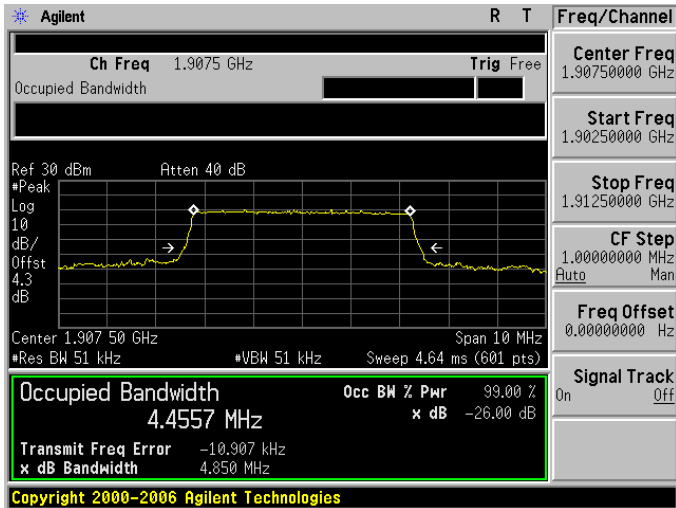
LTE Band 12				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	699.7	1.204	1.0771
		707.5	1.214	1.0767
		715.3	1.247	1.0788
	3 MHz	700.5	2.914	2.6860
		707.5	2.937	2.6820
		714.5	2.967	2.6953
	5 MHz	701.5	4.846	4.4726
		707.5	4.831	4.4708
		713.5	4.875	4.4841
	10 MHz	704.0	9.677	8.9950
		707.5	9.509	8.9076
		711.0	9.555	8.9244
16QAM	1.4 MHz	699.7	1.203	1.0773
		707.5	1.221	1.0757
		715.3	1.223	1.0789
	3 MHz	700.5	2.918	2.6839
		707.5	2.939	2.6824
		714.5	2.969	2.6945
	5 MHz	701.5	4.811	4.4737
		707.5	4.862	4.4704
		713.5	4.829	4.4677
	10 MHz	704.0	9.676	8.9859
		707.5	9.518	8.9132
		711.0	9.556	8.9252

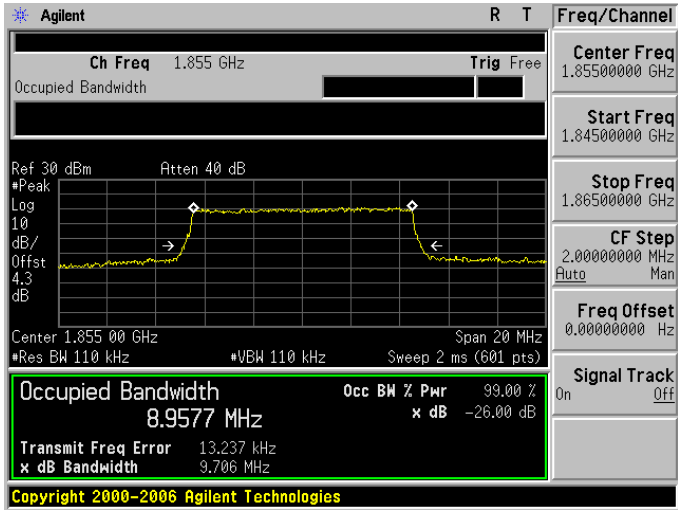
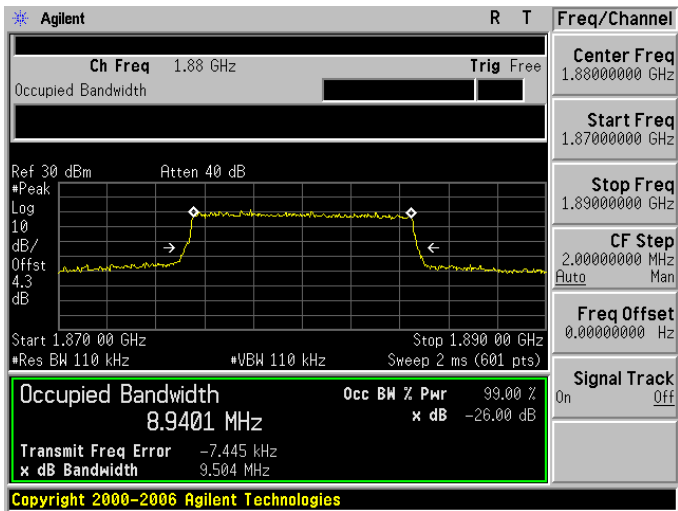
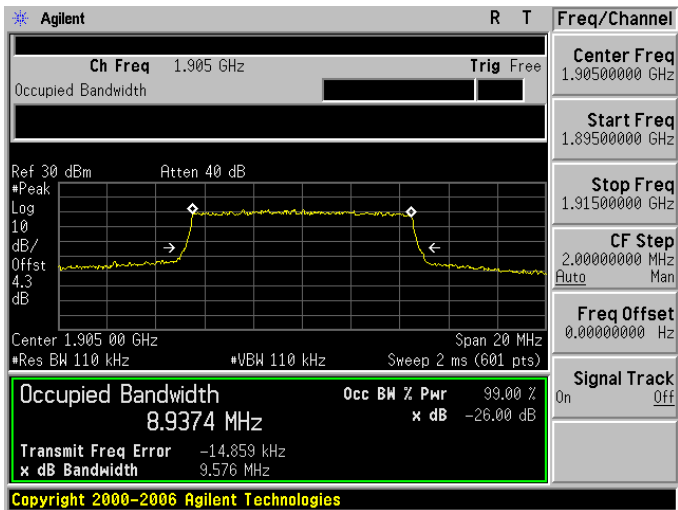
LTE Band 30				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	5 MHz	2307.5	4.831	4.4731
		2310.0	4.876	4.4740
		2312.5	4.859	4.4679
	10 MHz	2310.0	9.617	8.9583
16QAM	5 MHz	2307.5	4.831	4.4736
		2310.0	4.884	4.4812
		2312.5	4.866	4.4712
	10 MHz	2310.0	9.626	8.9507

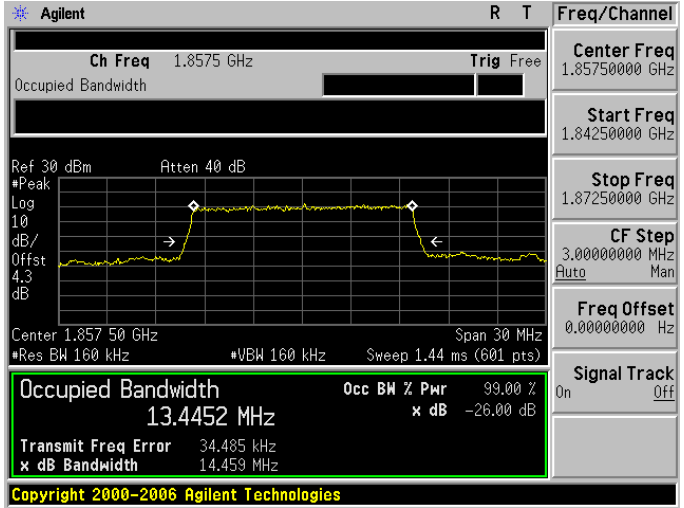
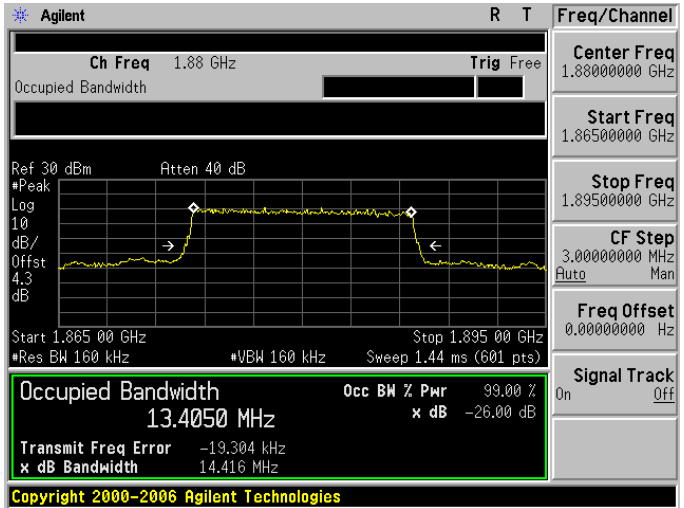
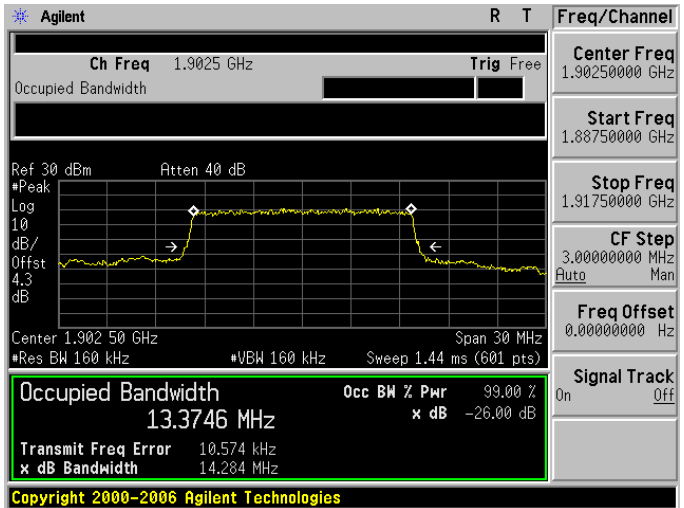
5.7. Test Graphs

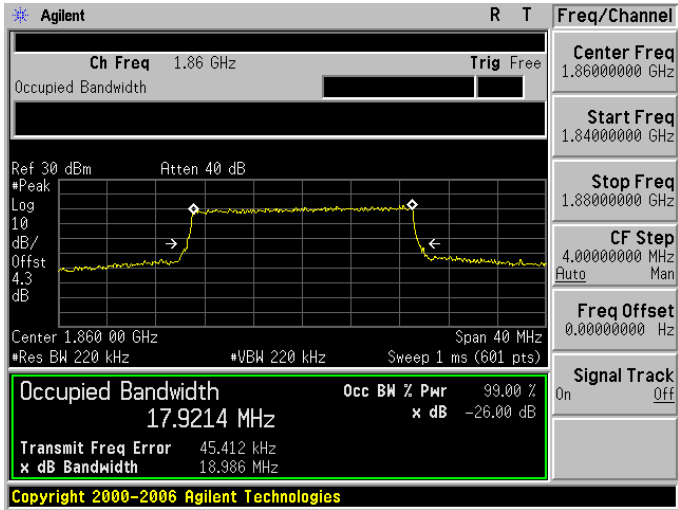
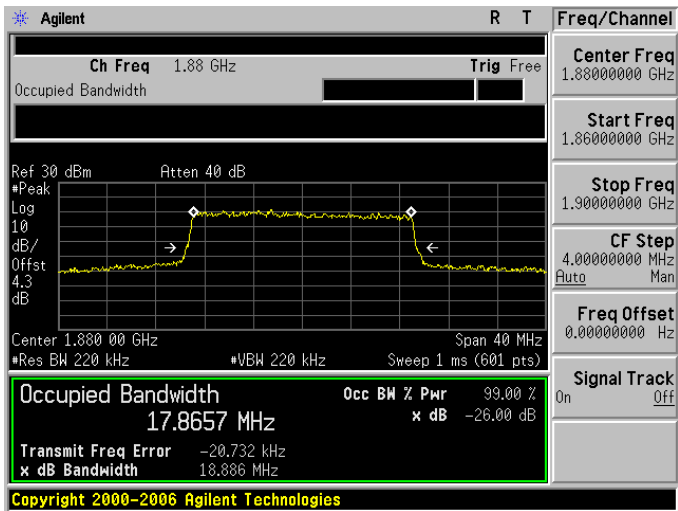
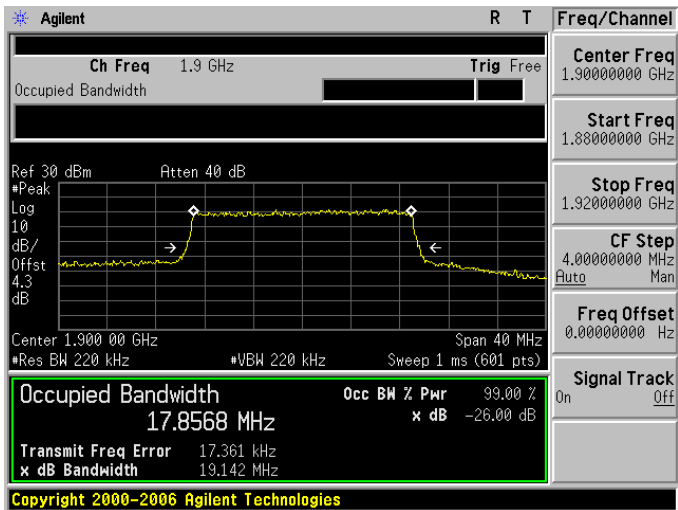
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1850.7 MHz	 Copyright 2000-2006 Agilent Technologies
1880.0 MHz	 Copyright 2000-2006 Agilent Technologies
1909.3 MHz	 Copyright 2000-2006 Agilent Technologies

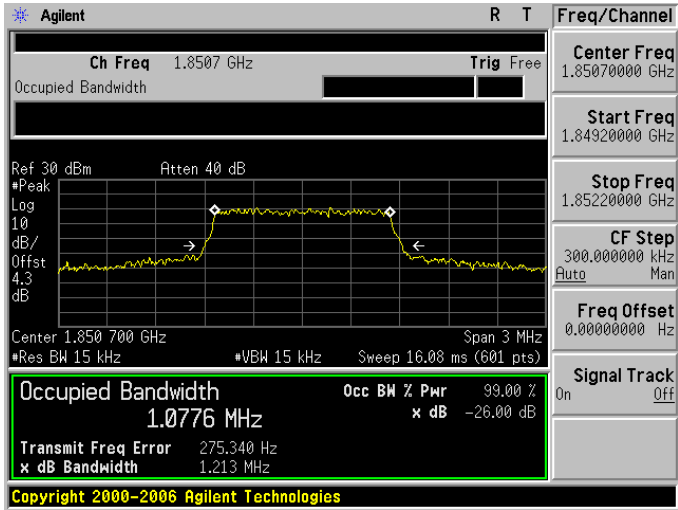
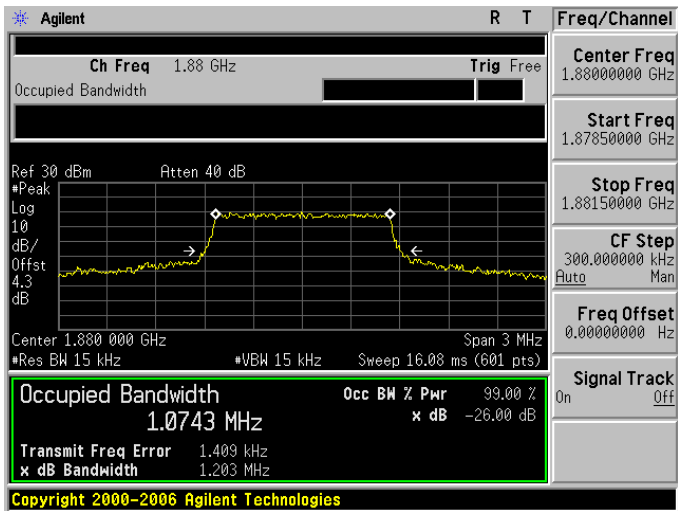
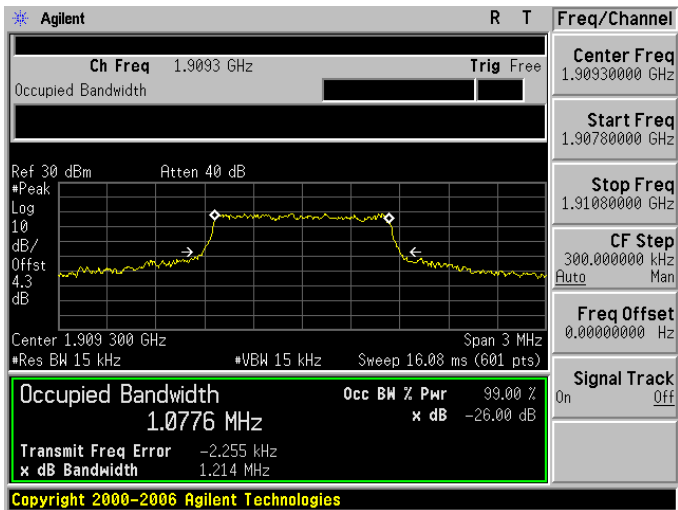
LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK	
1851.5 MHz	 Copyright 2000-2006 Agilent Technologies
1880.0 MHz	 Copyright 2000-2006 Agilent Technologies
1908.5 MHz	 Copyright 2000-2006 Agilent Technologies

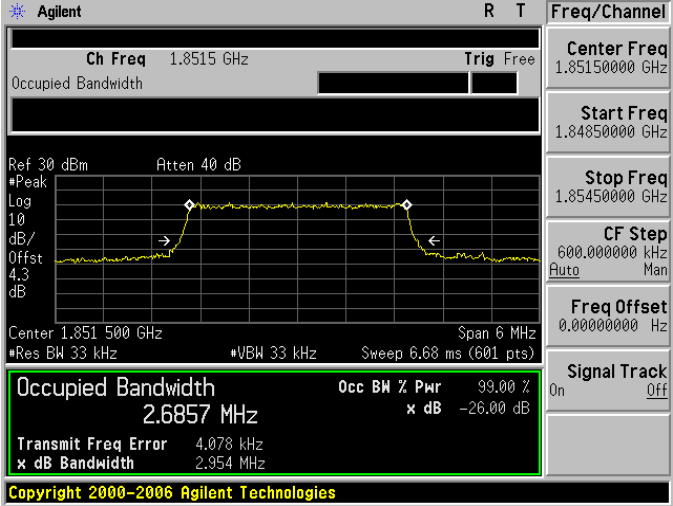
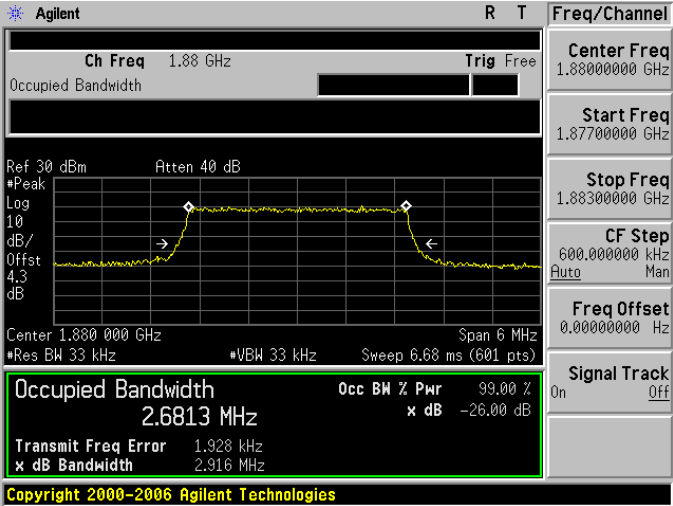
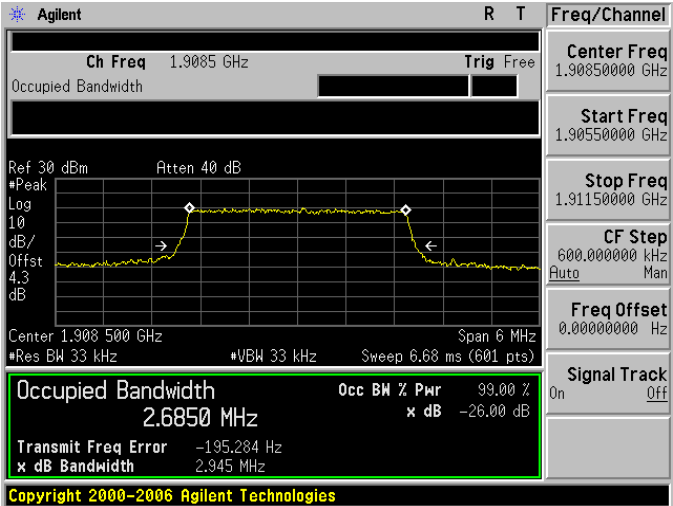
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK	
1852.5 MHz	 Copyright 2000-2006 Agilent Technologies
1880.0 MHz	 Copyright 2000-2006 Agilent Technologies
1907.5 MHz	 Copyright 2000-2006 Agilent Technologies

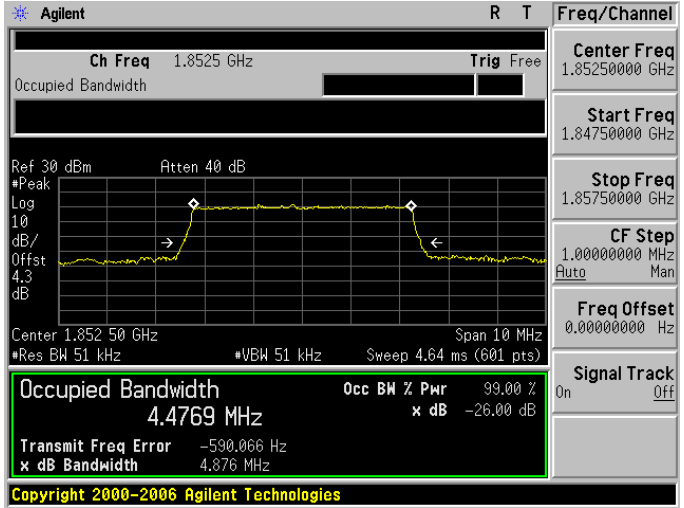
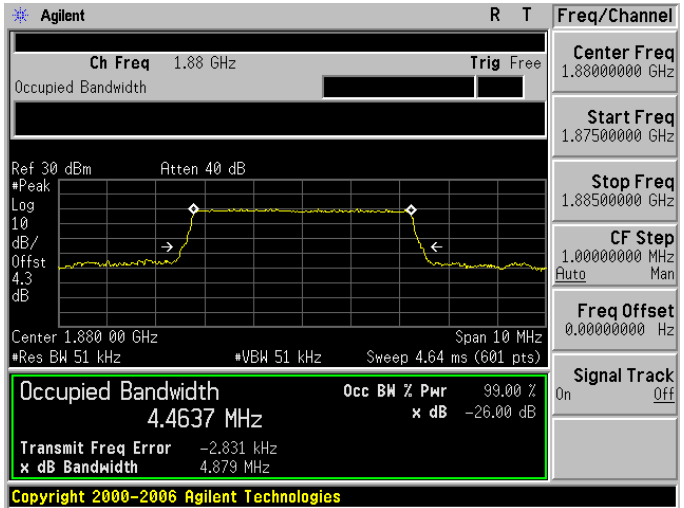
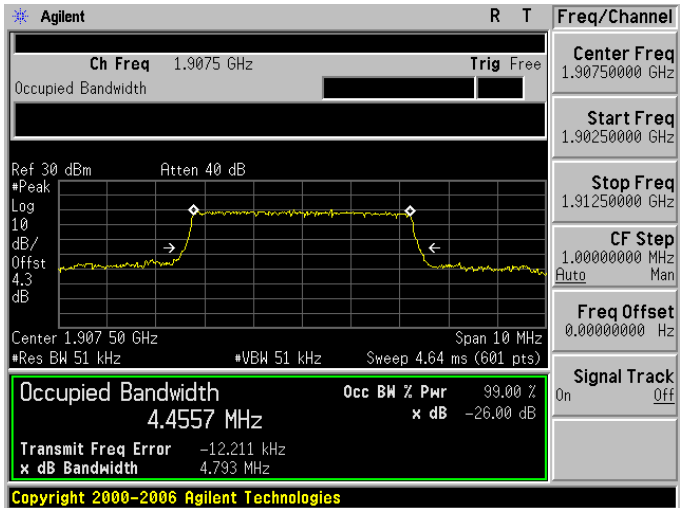
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK	
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1880.0 MHz	 Copyright 2000-2006 Agilent Technologies
1905.0 MHz	 Copyright 2000-2006 Agilent Technologies

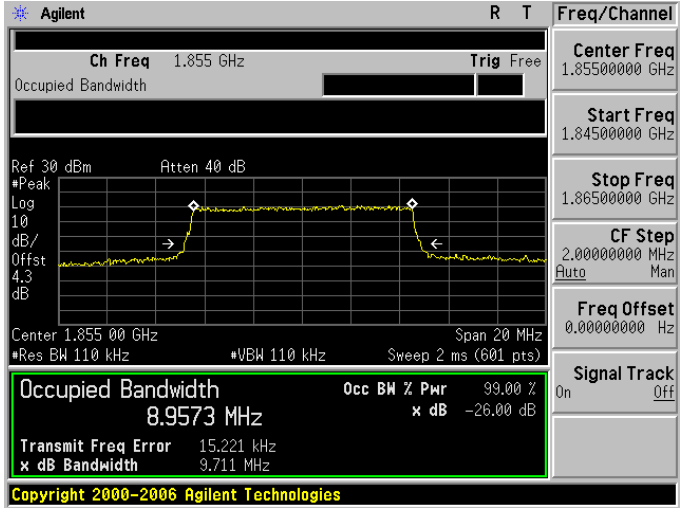
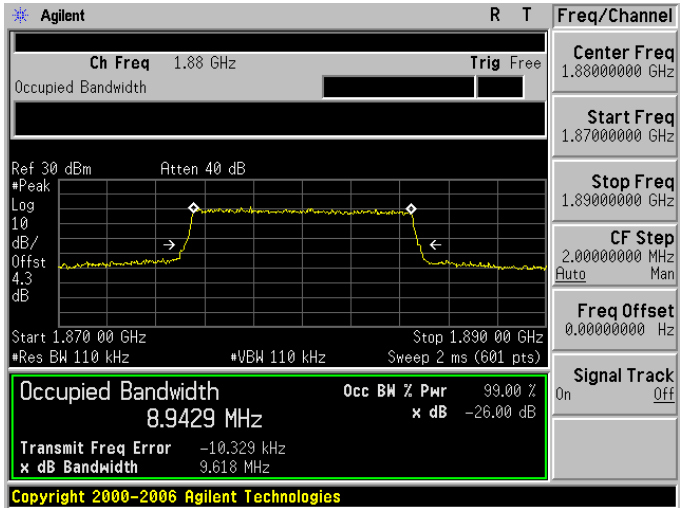
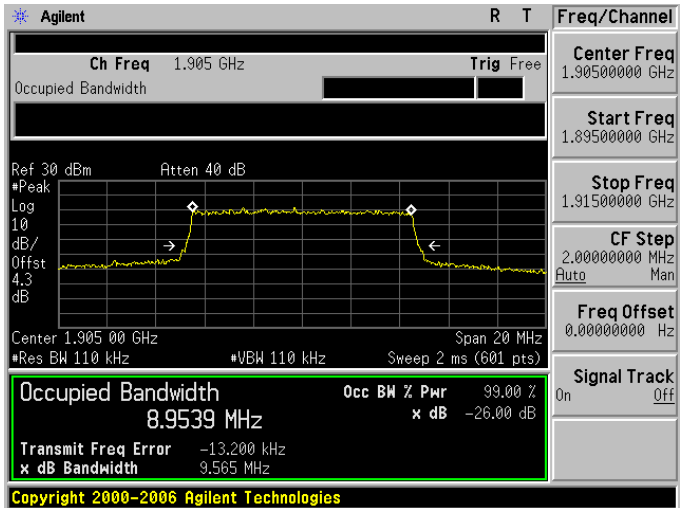
LTE Band 2 (Channel Bandwidth: 15 MHz) _ QPSK	
1857.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8575 GHz Trig Free Center Freq 1.85750000 GHz Start Freq 1.84250000 GHz Stop Freq 1.87250000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 1.857 50 GHz Span 30 MHz Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4452 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 34.485 kHz x dB Bandwidth 14.459 MHz Copyright 2000-2006 Agilent Technologies
1880.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.88 GHz Trig Free Center Freq 1.88000000 GHz Start Freq 1.86500000 GHz Stop Freq 1.89500000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Start 1.865 00 GHz Stop 1.895 00 GHz Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4050 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -19.304 kHz x dB Bandwidth 14.416 MHz Copyright 2000-2006 Agilent Technologies
1902.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.9025 GHz Trig Free Center Freq 1.90250000 GHz Start Freq 1.88750000 GHz Stop Freq 1.91750000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 1.902 50 GHz Span 30 MHz Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.3746 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 10.574 kHz x dB Bandwidth 14.284 MHz Copyright 2000-2006 Agilent Technologies

LTE Band 2 (Channel Bandwidth: 20 MHz) _ QPSK	
1860.0 MHz	 Copyright 2000-2006 Agilent Technologies
1880.0 MHz	 Copyright 2000-2006 Agilent Technologies
1900.0 MHz	 Copyright 2000-2006 Agilent Technologies

LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1850.7 MHz	 Copyright 2000-2006 Agilent Technologies
1880.0 MHz	 Copyright 2000-2006 Agilent Technologies
1909.3 MHz	 Copyright 2000-2006 Agilent Technologies

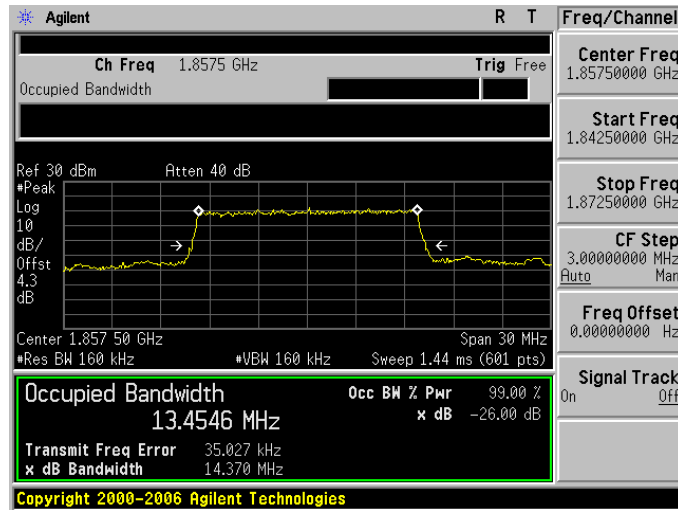
LTE Band 2 (Channel Bandwidth: 3 MHz) _ 16QAM	
1851.5 MHz	 Copyright 2000-2006 Agilent Technologies
1880.0 MHz	 Copyright 2000-2006 Agilent Technologies
1908.5 MHz	 Copyright 2000-2006 Agilent Technologies

LTE Band 2 (Channel Bandwidth: 5 MHz) _ 16QAM	
1852.5 MHz	 Copyright 2000-2006 Agilent Technologies
1880.0 MHz	 Copyright 2000-2006 Agilent Technologies
1907.5 MHz	 Copyright 2000-2006 Agilent Technologies

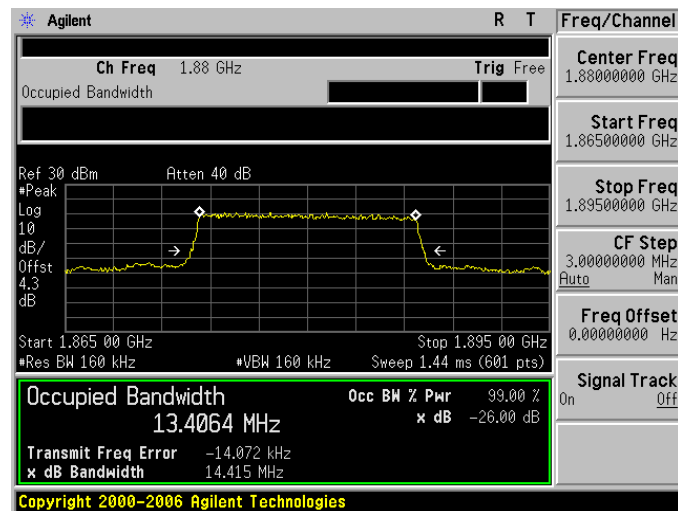
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1880.0 MHz	 Copyright 2000-2006 Agilent Technologies
1905.0 MHz	 Copyright 2000-2006 Agilent Technologies

LTE Band 2 (Channel Bandwidth: 15 MHz) _ 16QAM

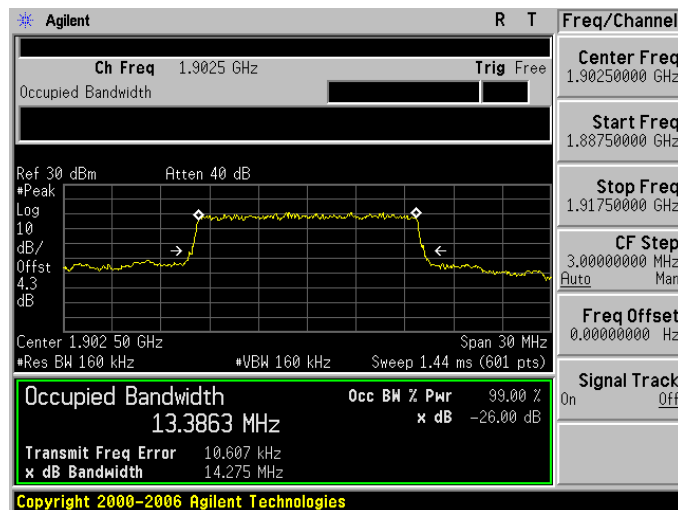
1857.5 MHz

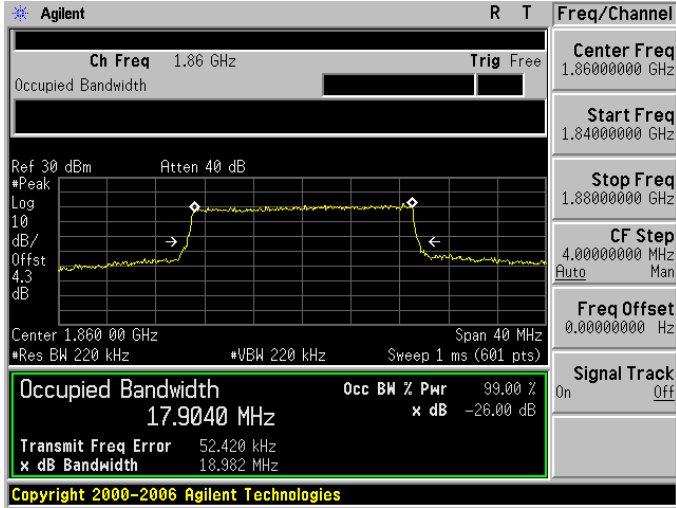
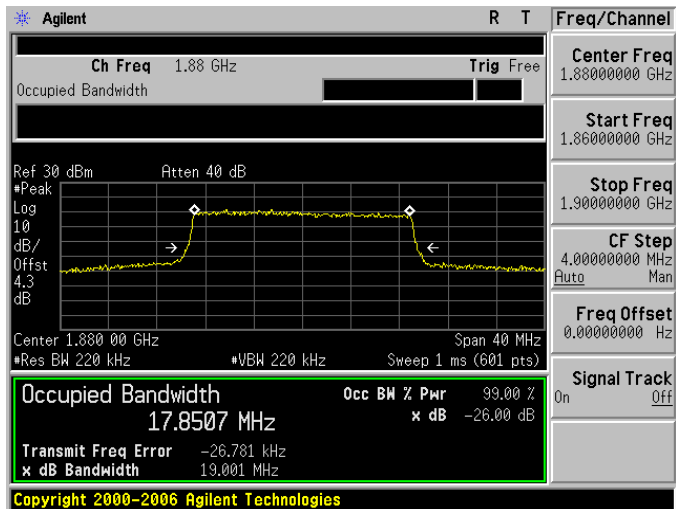
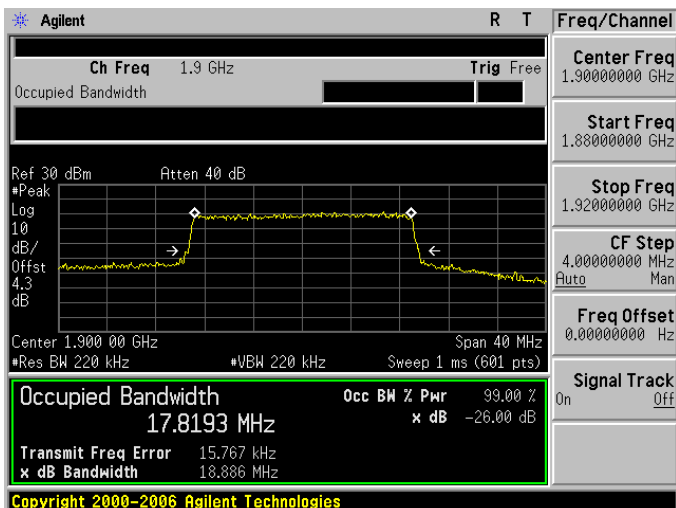


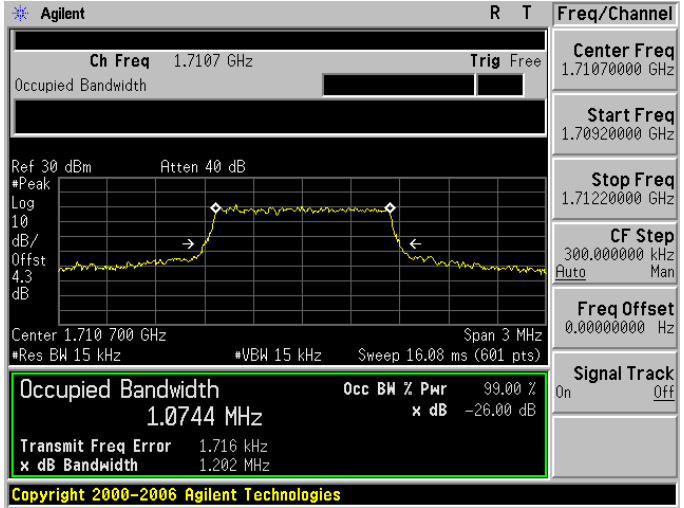
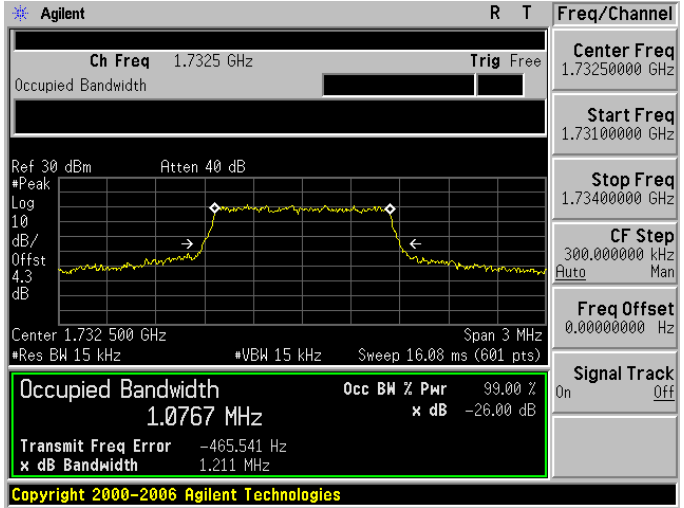
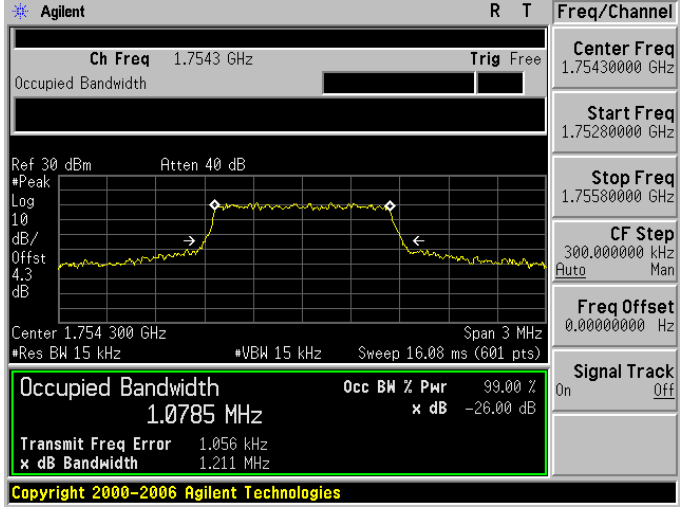
1880.0 MHz

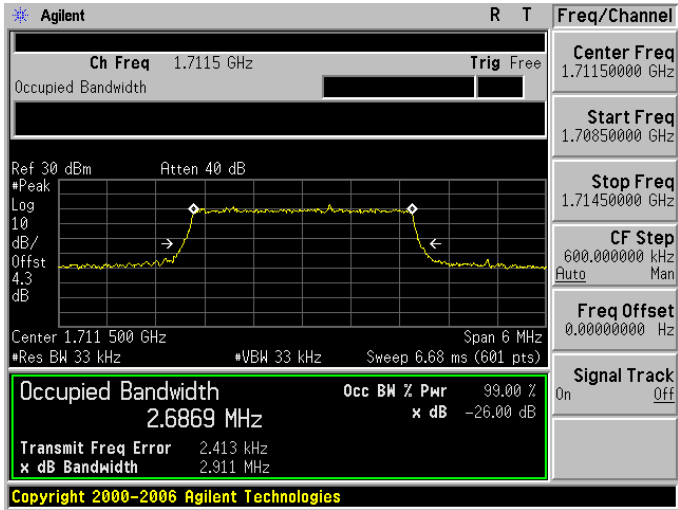
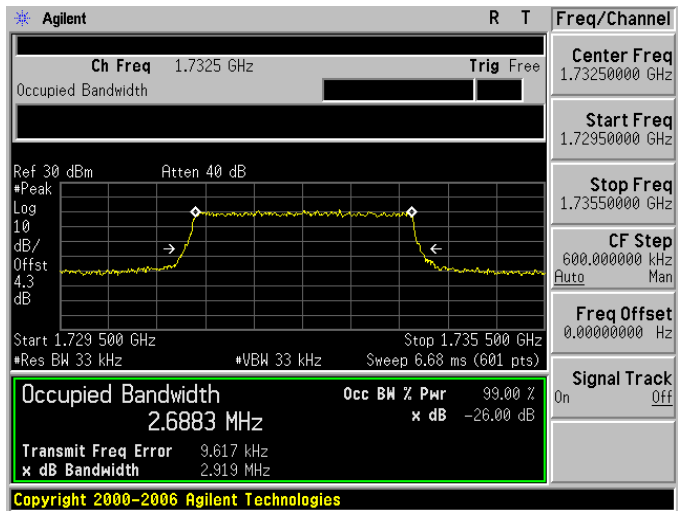
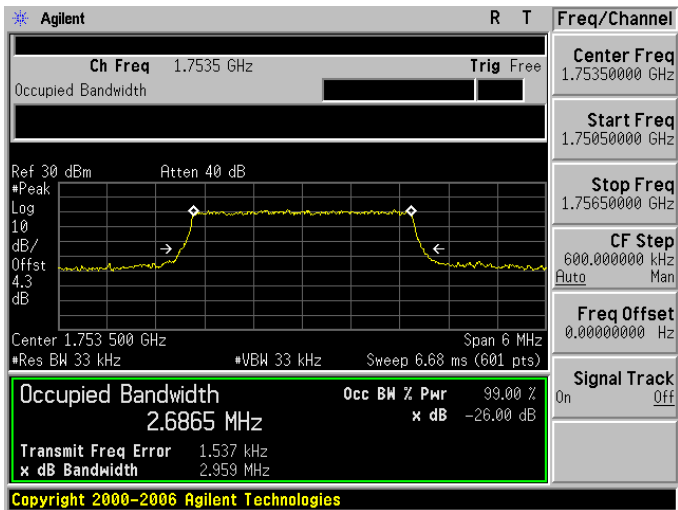


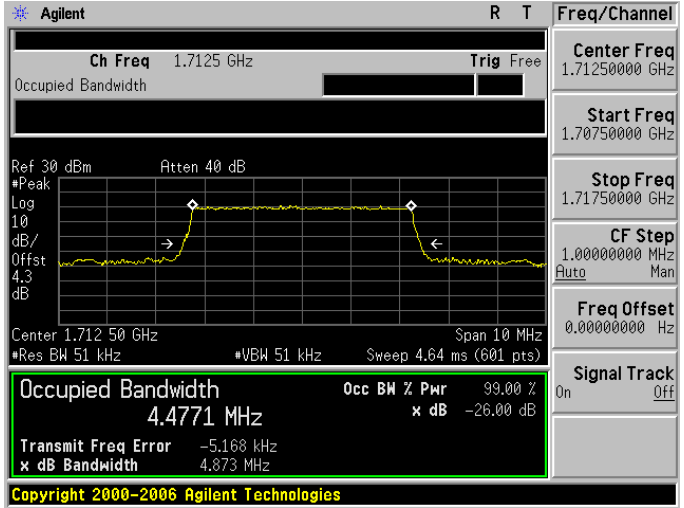
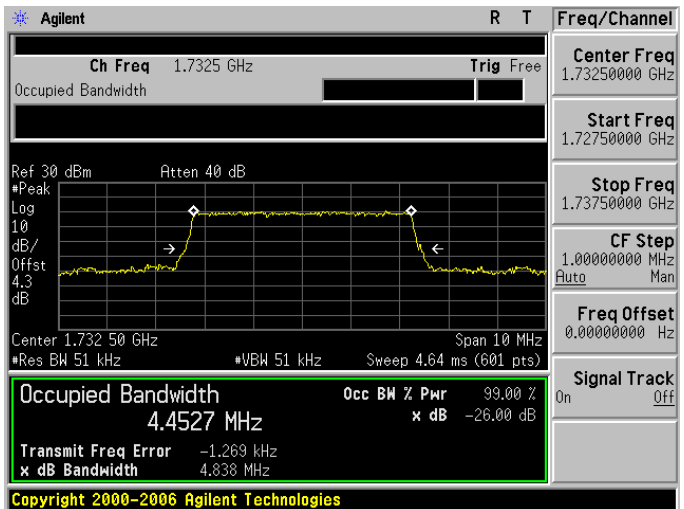
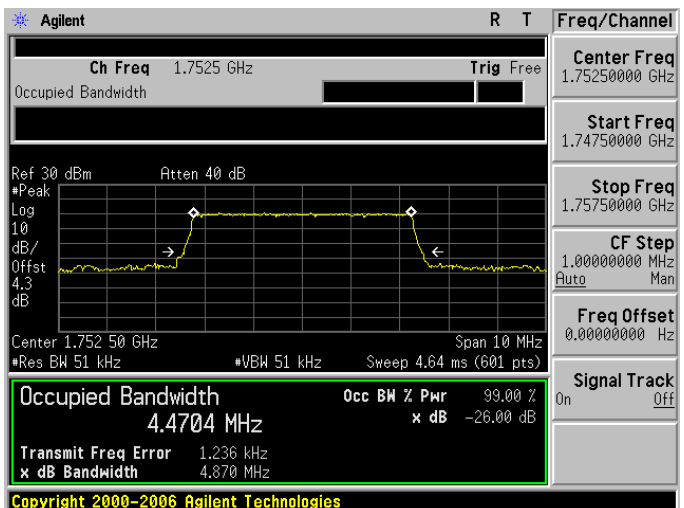
1902.5 MHz

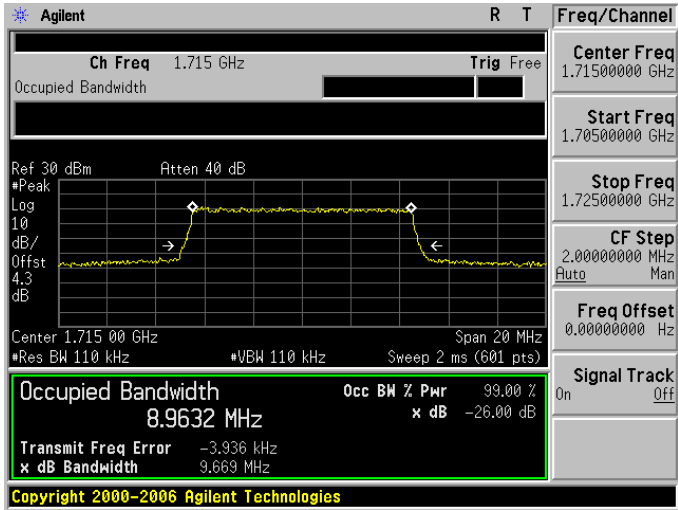
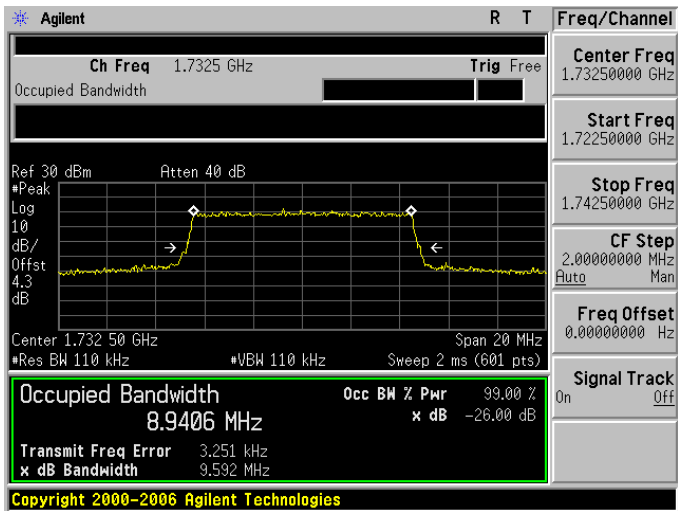
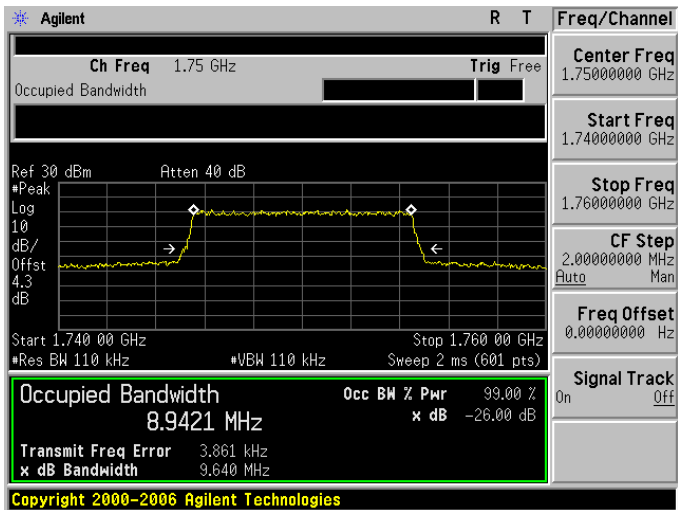


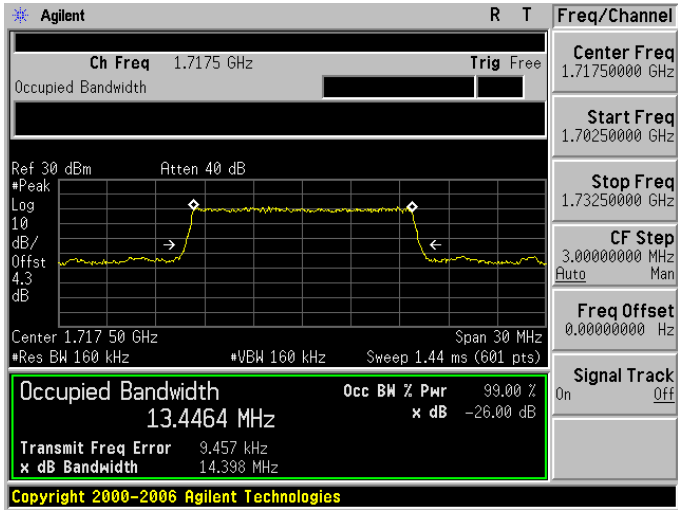
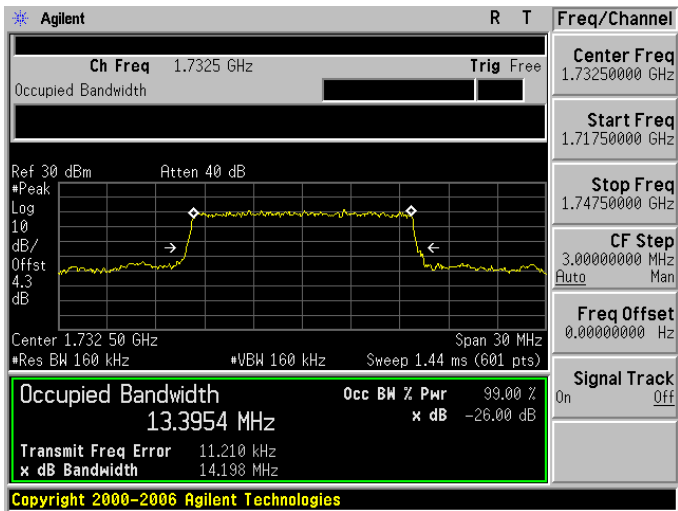
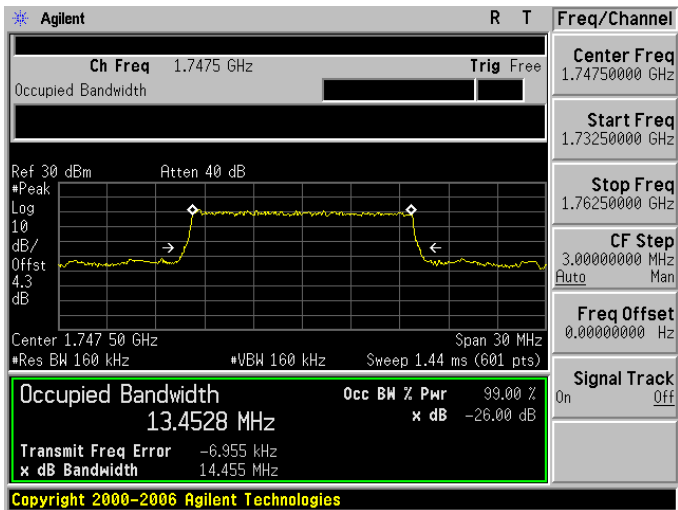
LTE Band 2 (Channel Bandwidth: 20 MHz) _ 16QAM	
1860.0 MHz	 Copyright 2000-2006 Agilent Technologies
1880.0 MHz	 Copyright 2000-2006 Agilent Technologies
1900.0 MHz	 Copyright 2000-2006 Agilent Technologies

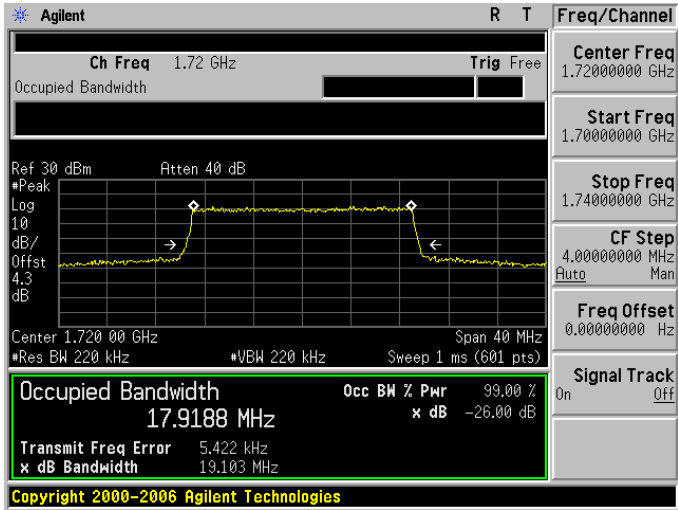
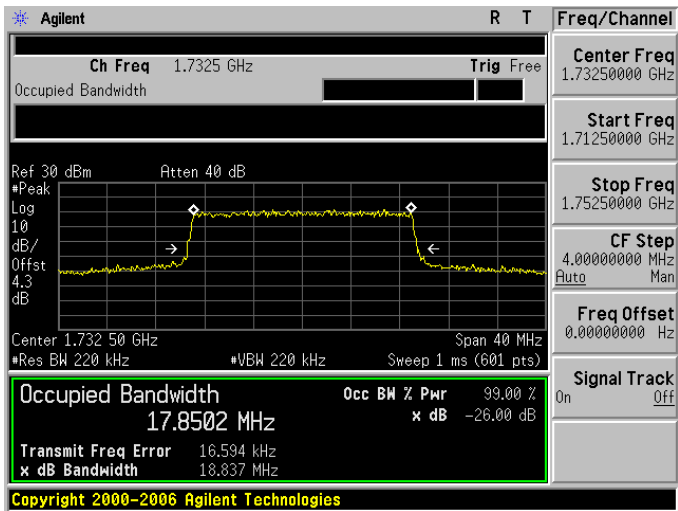
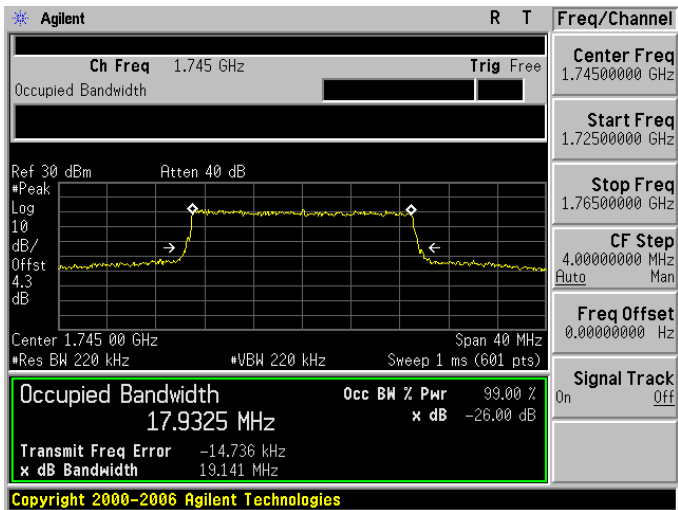
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1710.7 MHz	 Agilent R T Freq/Channel Ch Freq 1.7107 GHz Trig Free Center Freq 1.71070000 GHz Start Freq 1.70920000 GHz Stop Freq 1.71220000 GHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.710 700 GHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0744 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.716 kHz x dB Bandwidth 1.202 MHz Copyright 2000-2006 Agilent Technologies
1732.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7325 GHz Trig Free Center Freq 1.73250000 GHz Start Freq 1.73100000 GHz Stop Freq 1.73400000 GHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.732 500 GHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0767 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -465.541 Hz x dB Bandwidth 1.211 MHz Copyright 2000-2006 Agilent Technologies
1754.3 MHz	 Agilent R T Freq/Channel Ch Freq 1.7543 GHz Trig Free Center Freq 1.75430000 GHz Start Freq 1.75280000 GHz Stop Freq 1.75580000 GHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.754 300 GHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0785 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.056 kHz x dB Bandwidth 1.211 MHz Copyright 2000-2006 Agilent Technologies

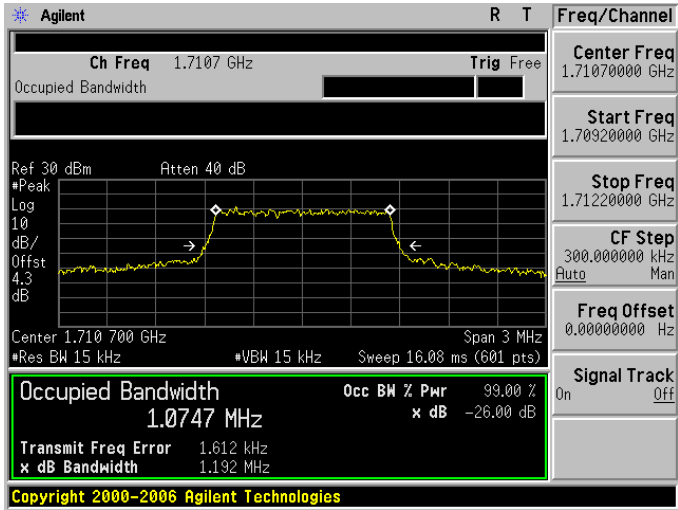
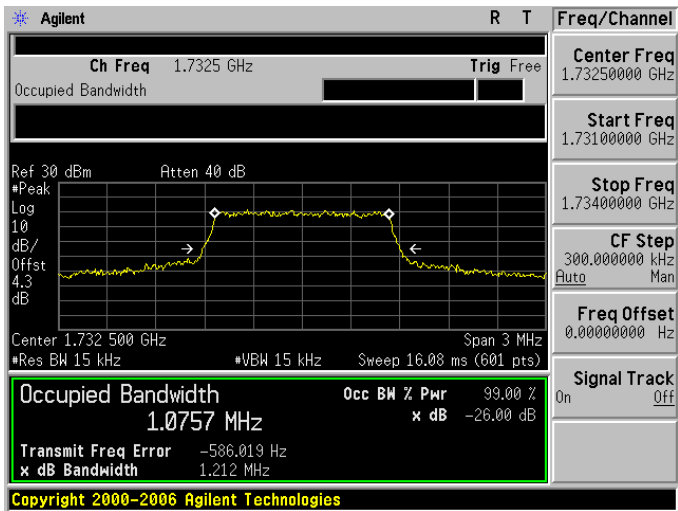
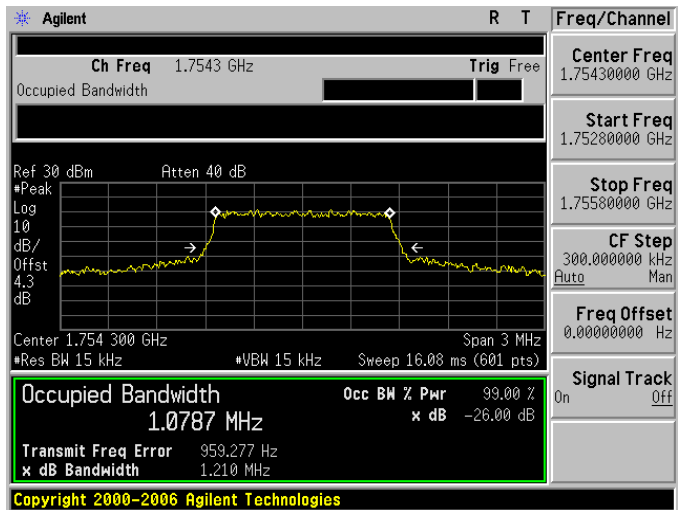
LTE Band 4 (Channel Bandwidth: 3 MHz) _ QPSK	
1711.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7115 GHz Trig Free Center Freq 1.71150000 GHz Start Freq 1.70850000 GHz Stop Freq 1.71450000 GHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.711 500 GHz Span 6 MHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6869 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.413 kHz x dB Bandwidth 2.911 MHz Copyright 2000-2006 Agilent Technologies
1732.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7325 GHz Trig Free Center Freq 1.73250000 GHz Start Freq 1.72950000 GHz Stop Freq 1.73550000 GHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Start 1.729 500 GHz Stop 1.735 500 GHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6883 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 9.617 kHz x dB Bandwidth 2.919 MHz Copyright 2000-2006 Agilent Technologies
1753.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7535 GHz Trig Free Center Freq 1.75350000 GHz Start Freq 1.75050000 GHz Stop Freq 1.75650000 GHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.753 500 GHz Span 6 MHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6865 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.537 kHz x dB Bandwidth 2.959 MHz Copyright 2000-2006 Agilent Technologies

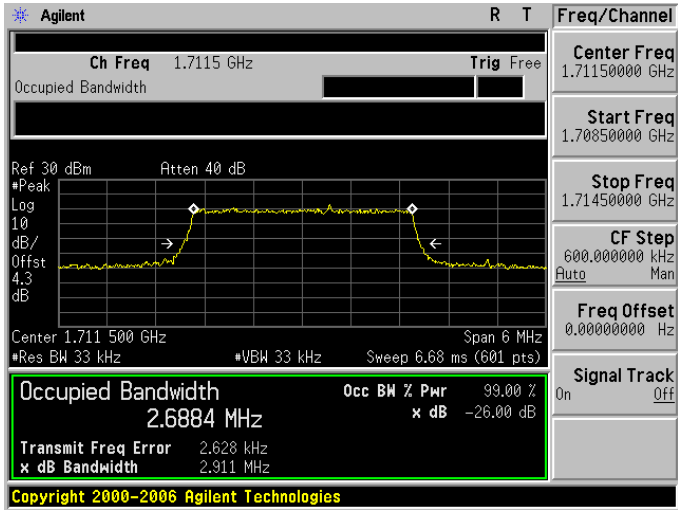
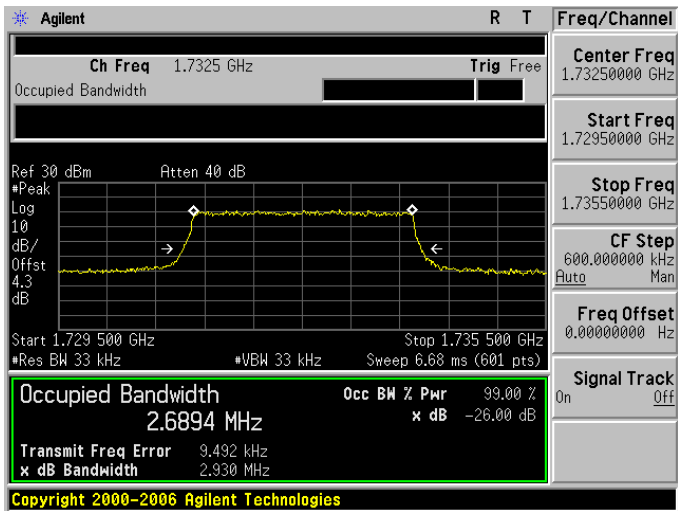
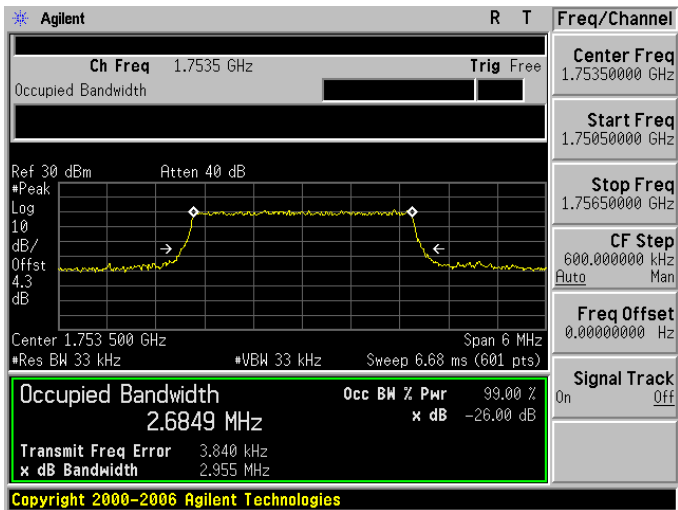
LTE Band 4 (Channel Bandwidth: 5 MHz) _ QPSK	
1712.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7125 GHz Trig Free Center Freq 1.71250000 GHz Start Freq 1.70750000 GHz Stop Freq 1.71750000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.712 50 GHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4771 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -5.168 kHz x dB Bandwidth 4.873 MHz Copyright 2000-2006 Agilent Technologies
1732.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7325 GHz Trig Free Center Freq 1.73250000 GHz Start Freq 1.72750000 GHz Stop Freq 1.73750000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.732 50 GHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4527 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.269 kHz x dB Bandwidth 4.838 MHz Copyright 2000-2006 Agilent Technologies
1752.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7525 GHz Trig Free Center Freq 1.75250000 GHz Start Freq 1.74750000 GHz Stop Freq 1.75750000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.752 50 GHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4704 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.236 kHz x dB Bandwidth 4.870 MHz Copyright 2000-2006 Agilent Technologies

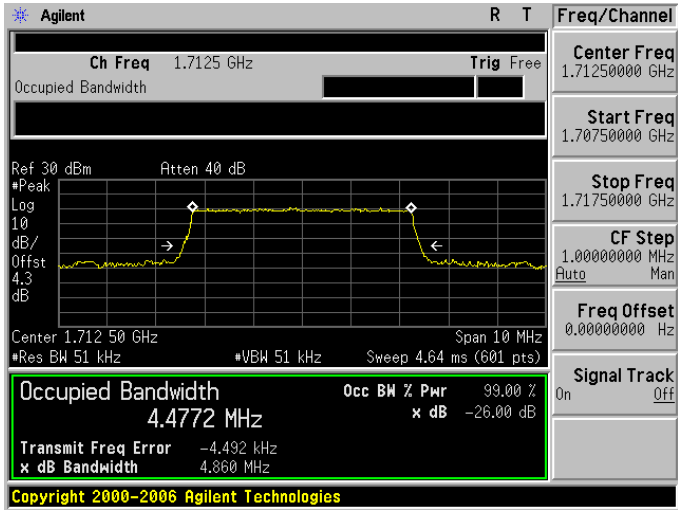
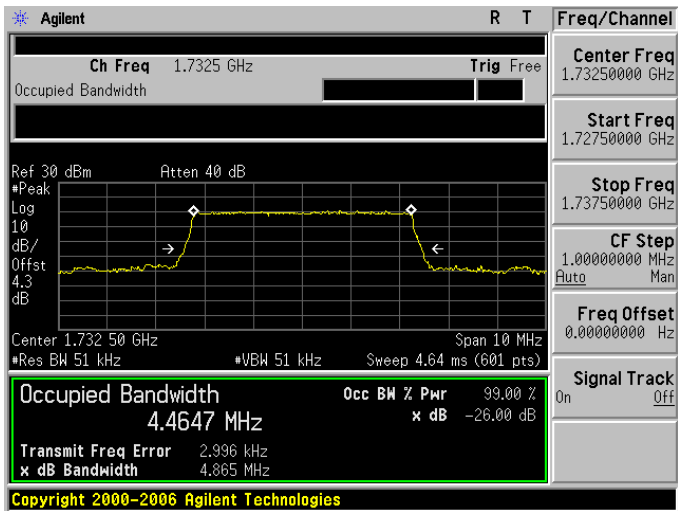
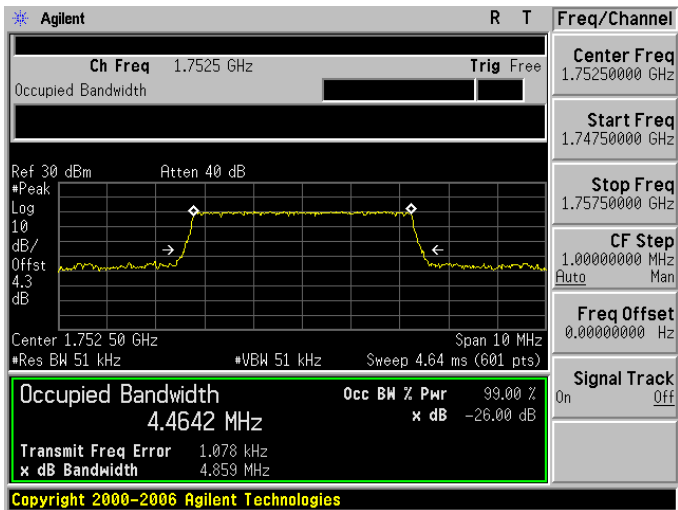
LTE Band 4 (Channel Bandwidth: 10 MHz) _ QPSK	
1715.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.715 GHz Trig Free Center Freq 1.7150000 GHz Start Freq 1.7050000 GHz Stop Freq 1.7250000 GHz CF Step 2.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 1.715 00 GHz Span 20 MHz Res BW 110 kHz VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9632 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -3.936 kHz x dB Bandwidth 9.669 MHz Copyright 2000-2006 Agilent Technologies
1732.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7325 GHz Trig Free Center Freq 1.7325000 GHz Start Freq 1.7225000 GHz Stop Freq 1.7425000 GHz CF Step 2.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 1.732 50 GHz Span 20 MHz Res BW 110 kHz VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9406 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 3.251 kHz x dB Bandwidth 9.592 MHz Copyright 2000-2006 Agilent Technologies
1750.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.75 GHz Trig Free Center Freq 1.7500000 GHz Start Freq 1.7400000 GHz Stop Freq 1.7600000 GHz CF Step 2.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Start 1.740 00 GHz Stop 1.760 00 GHz Res BW 110 kHz VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9421 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 3.861 kHz x dB Bandwidth 9.640 MHz Copyright 2000-2006 Agilent Technologies

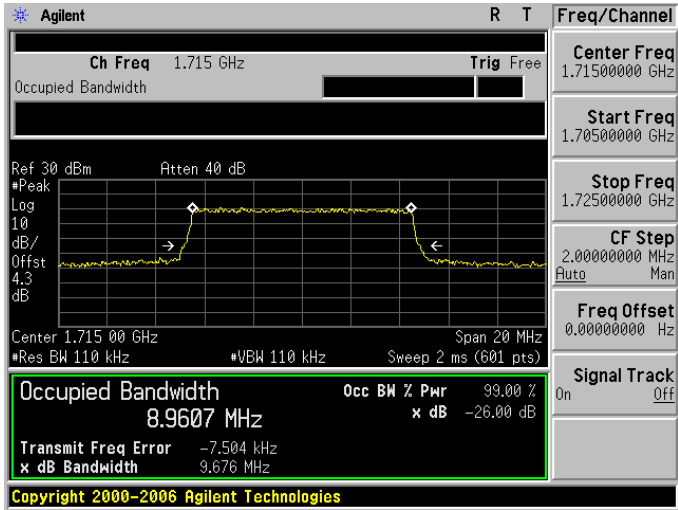
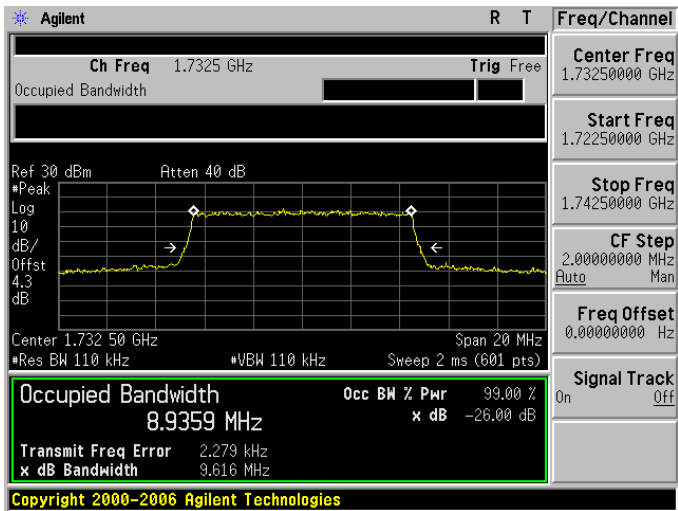
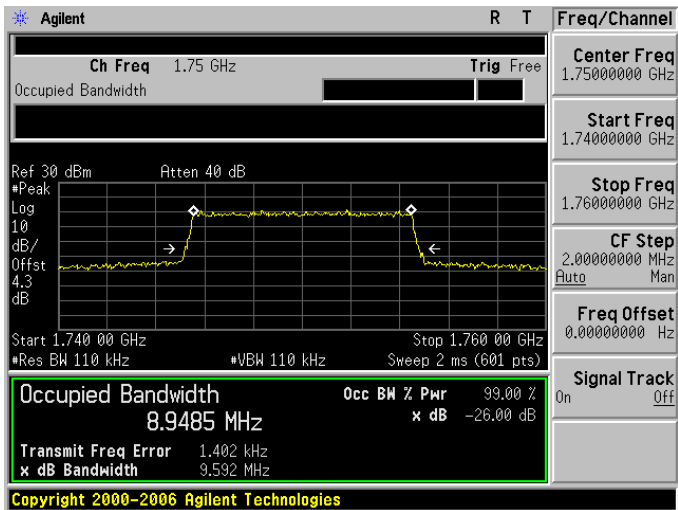
LTE Band 4 (Channel Bandwidth: 15 MHz) _ QPSK	
1717.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7175 GHz Trig Free Center Freq 1.71750000 GHz Start Freq 1.70250000 GHz Stop Freq 1.73250000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.717 50 GHz Span 30 MHz Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4464 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 9.457 kHz x dB Bandwidth 14.398 MHz Copyright 2000-2006 Agilent Technologies
1732.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7325 GHz Trig Free Center Freq 1.73250000 GHz Start Freq 1.71750000 GHz Stop Freq 1.74750000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.732 50 GHz Span 30 MHz Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.3954 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 11.210 kHz x dB Bandwidth 14.198 MHz Copyright 2000-2006 Agilent Technologies
1747.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7475 GHz Trig Free Center Freq 1.74750000 GHz Start Freq 1.73250000 GHz Stop Freq 1.76250000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.747 50 GHz Span 30 MHz Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4528 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -6.955 kHz x dB Bandwidth 14.455 MHz Copyright 2000-2006 Agilent Technologies

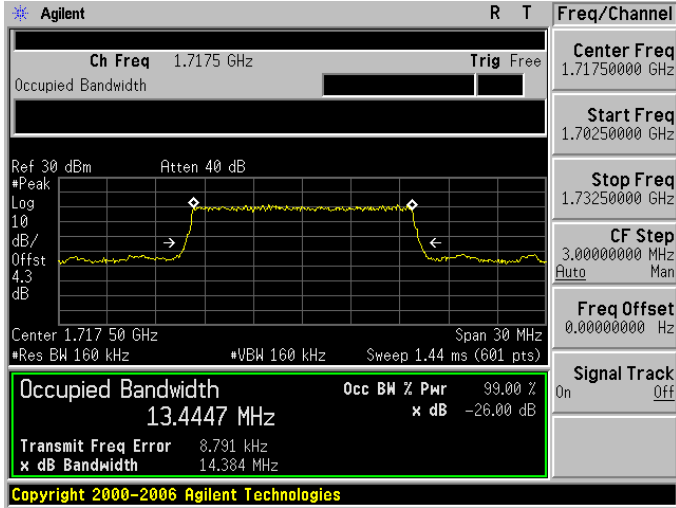
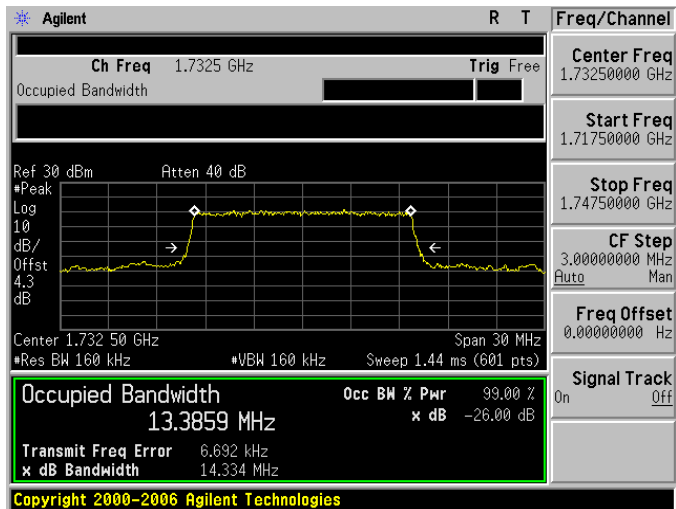
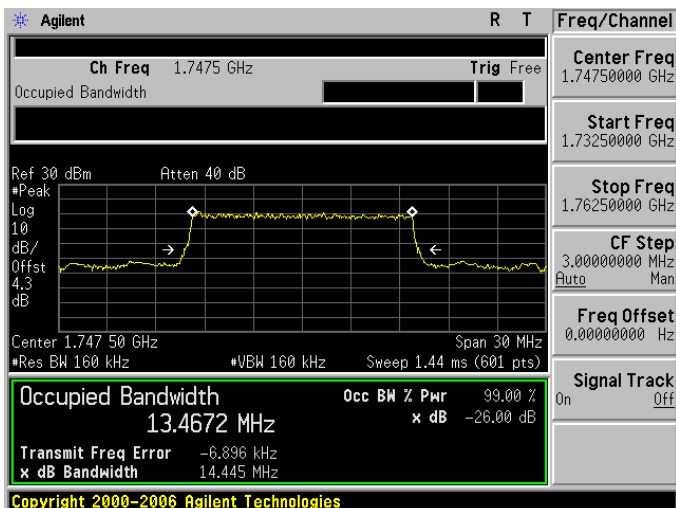
LTE Band 4 (Channel Bandwidth: 20 MHz) _ QPSK	
1720.0 MHz	
1732.5 MHz	
1745.0 MHz	

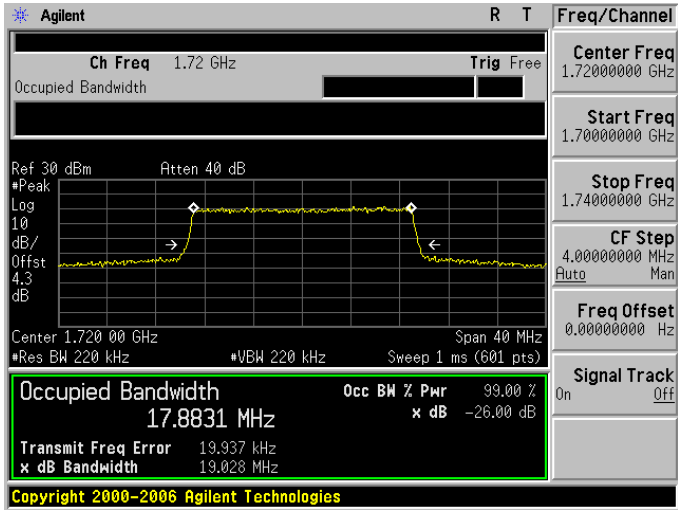
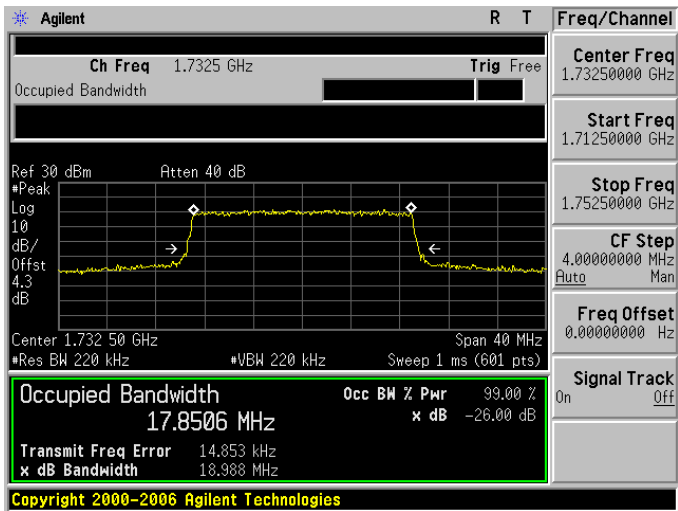
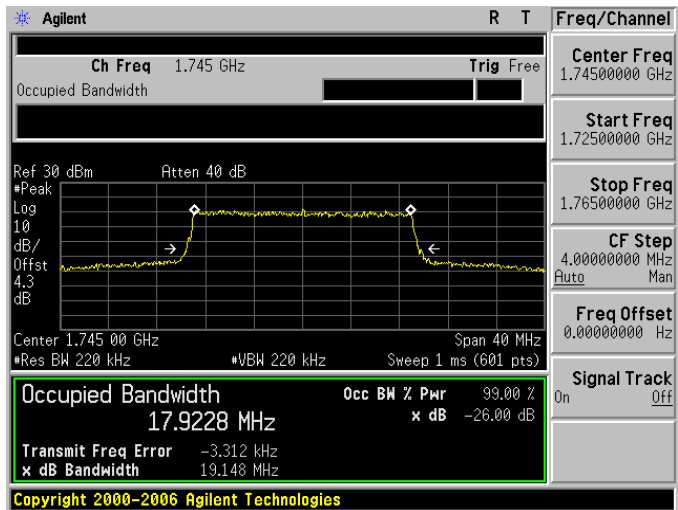
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1710.7 MHz	 Agilent R T Freq/Channel Ch Freq 1.7107 GHz Trig Free Center Freq 1.71070000 GHz Start Freq 1.70920000 GHz Stop Freq 1.71220000 GHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.710 700 GHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0747 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.612 kHz x dB Bandwidth 1.192 MHz Copyright 2000-2006 Agilent Technologies
1732.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7325 GHz Trig Free Center Freq 1.73250000 GHz Start Freq 1.73100000 GHz Stop Freq 1.73400000 GHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.732 500 GHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0757 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -586.019 Hz x dB Bandwidth 1.212 MHz Copyright 2000-2006 Agilent Technologies
1754.3 MHz	 Agilent R T Freq/Channel Ch Freq 1.7543 GHz Trig Free Center Freq 1.75430000 GHz Start Freq 1.75280000 GHz Stop Freq 1.75580000 GHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.754 300 GHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0787 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 959.277 Hz x dB Bandwidth 1.210 MHz Copyright 2000-2006 Agilent Technologies

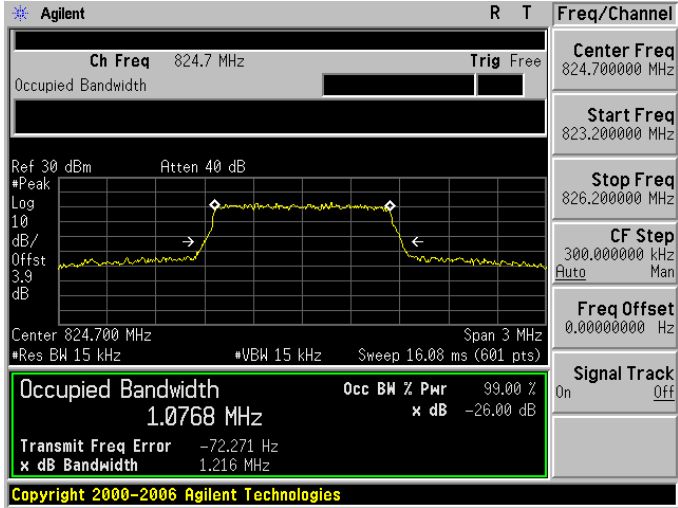
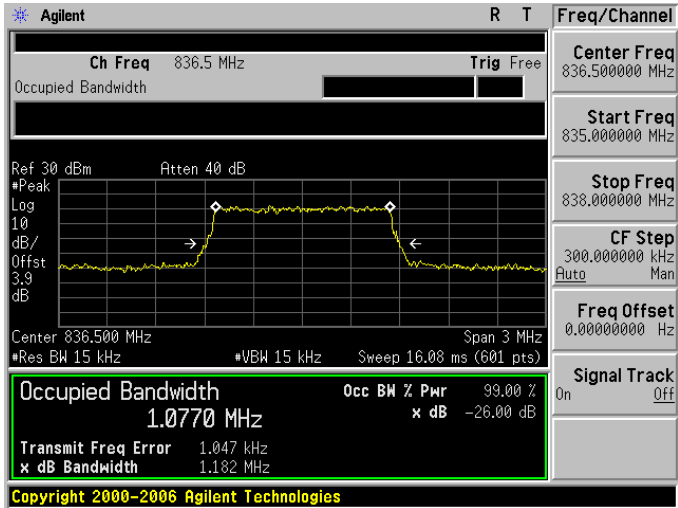
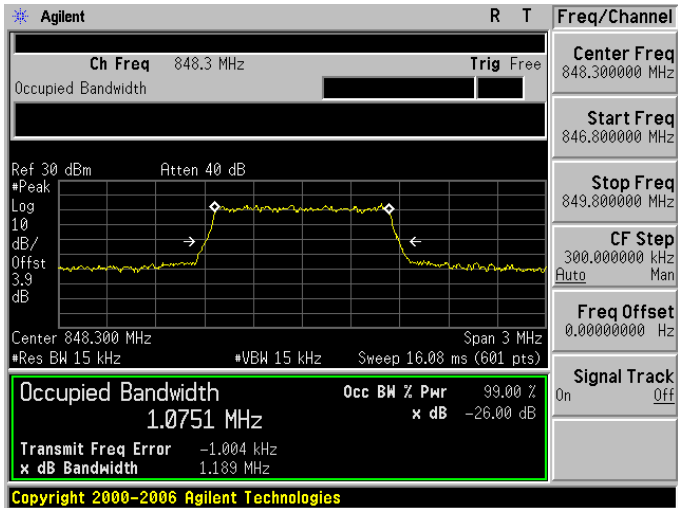
LTE Band 4 (Channel Bandwidth: 3 MHz) _ 16QAM	
1711.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7115 GHz Trig Free Center Freq 1.71150000 GHz Start Freq 1.70850000 GHz Stop Freq 1.71450000 GHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.711 500 GHz Span 6 MHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6884 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.628 kHz x dB Bandwidth 2.911 MHz Copyright 2000-2006 Agilent Technologies
1732.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7325 GHz Trig Free Center Freq 1.73250000 GHz Start Freq 1.72950000 GHz Stop Freq 1.73550000 GHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Start 1.729 500 GHz Stop 1.735 500 GHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6894 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 9.492 kHz x dB Bandwidth 2.930 MHz Copyright 2000-2006 Agilent Technologies
1753.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7535 GHz Trig Free Center Freq 1.75350000 GHz Start Freq 1.75050000 GHz Stop Freq 1.75650000 GHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 1.753 500 GHz Span 6 MHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6849 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 3.840 kHz x dB Bandwidth 2.955 MHz Copyright 2000-2006 Agilent Technologies

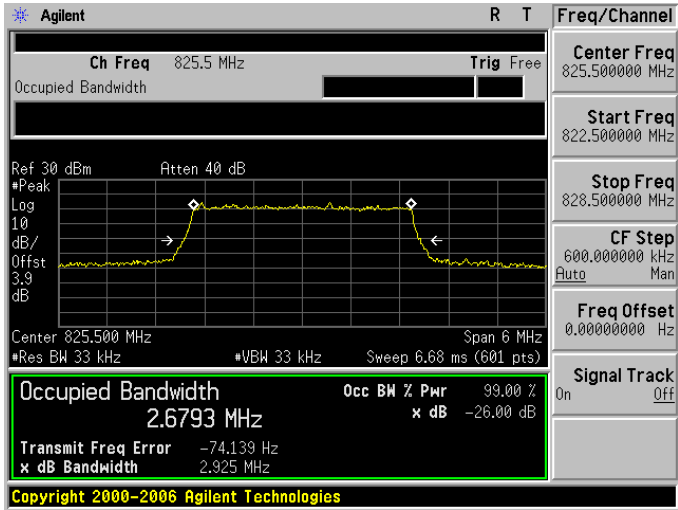
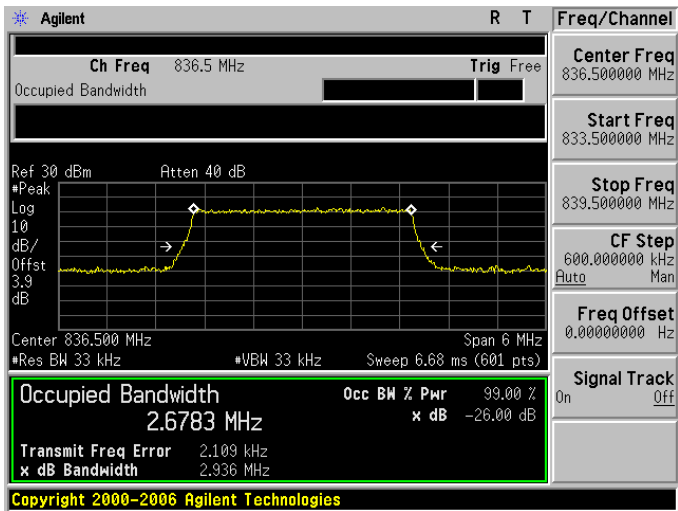
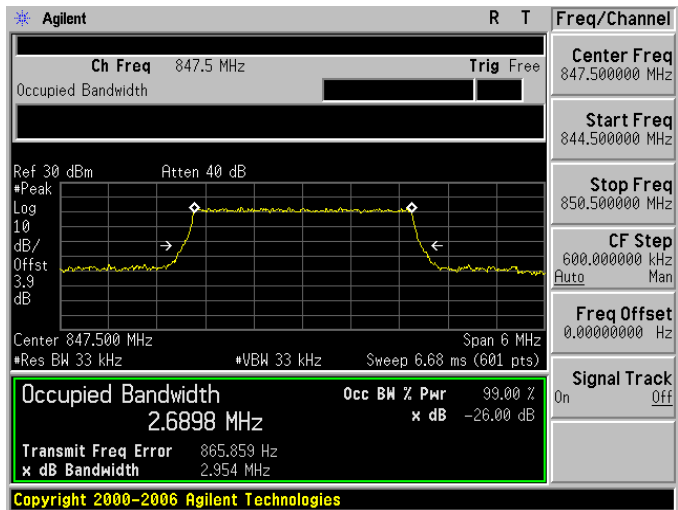
LTE Band 4 (Channel Bandwidth: 5 MHz) _ 16QAM	
1712.5 MHz	 Copyright 2000-2006 Agilent Technologies
1732.5 MHz	 Copyright 2000-2006 Agilent Technologies
1752.5 MHz	 Copyright 2000-2006 Agilent Technologies

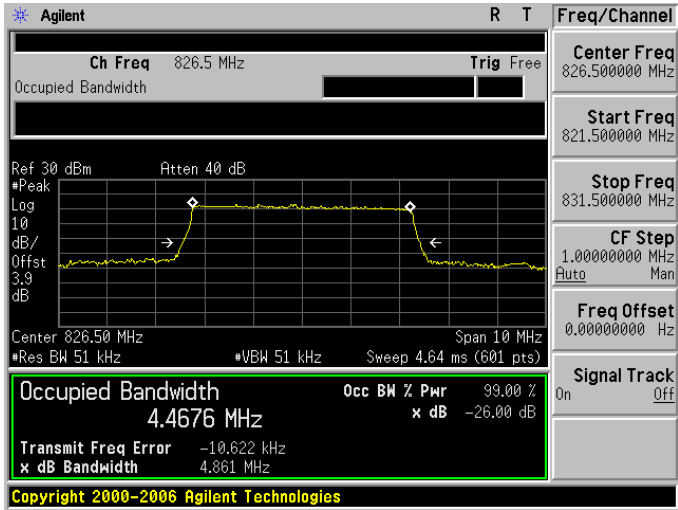
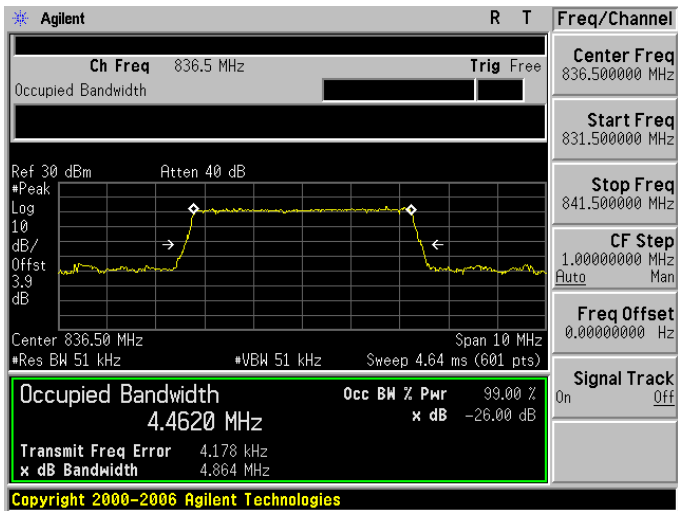
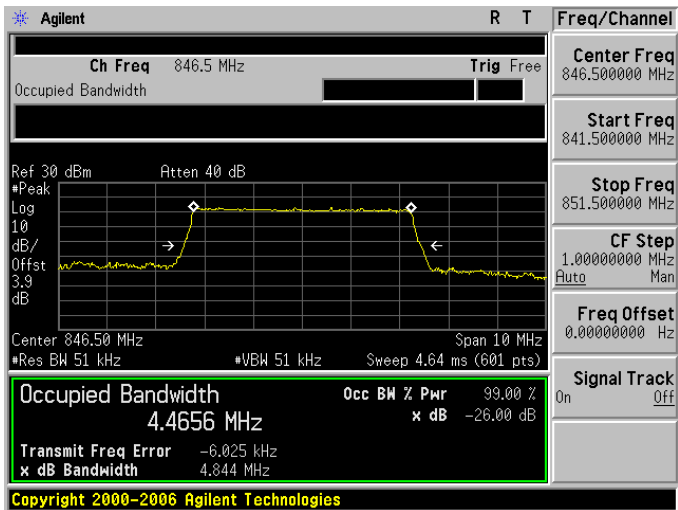
LTE Band 4 (Channel Bandwidth: 10 MHz) _ 16QAM	
1715.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.715 GHz Trig Free Center Freq 1.71500000 GHz Start Freq 1.70500000 GHz Stop Freq 1.72500000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 1.715 00 GHz Span 20 MHz Res BW 110 kHz VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9607 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -7.504 kHz x dB Bandwidth 9.676 MHz Copyright 2000-2006 Agilent Technologies
1732.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7325 GHz Trig Free Center Freq 1.73250000 GHz Start Freq 1.72250000 GHz Stop Freq 1.74250000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 1.732 50 GHz Span 20 MHz Res BW 110 kHz VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9359 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.279 kHz x dB Bandwidth 9.616 MHz Copyright 2000-2006 Agilent Technologies
1750.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.75 GHz Trig Free Center Freq 1.75000000 GHz Start Freq 1.74000000 GHz Stop Freq 1.76000000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Start 1.740 00 GHz Stop 1.760 00 GHz Res BW 110 kHz VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9485 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.402 kHz x dB Bandwidth 9.592 MHz Copyright 2000-2006 Agilent Technologies

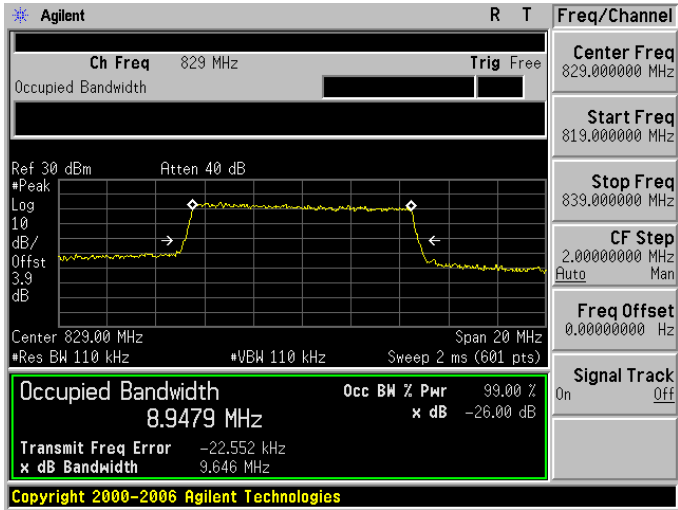
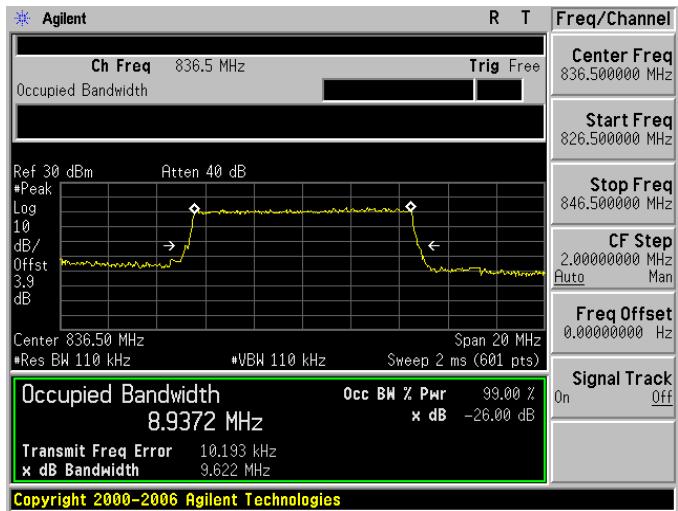
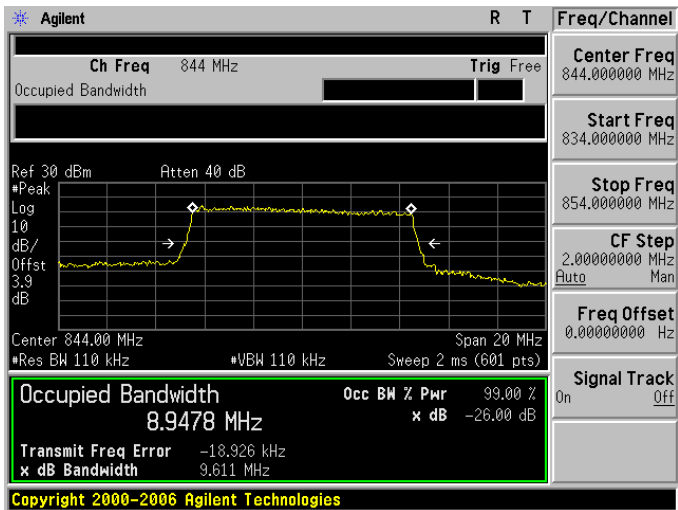
LTE Band 4 (Channel Bandwidth: 15 MHz) _ 16QAM	
1717.5 MHz	 Copyright 2000-2006 Agilent Technologies
1732.5 MHz	 Copyright 2000-2006 Agilent Technologies
1747.5 MHz	 Copyright 2000-2006 Agilent Technologies

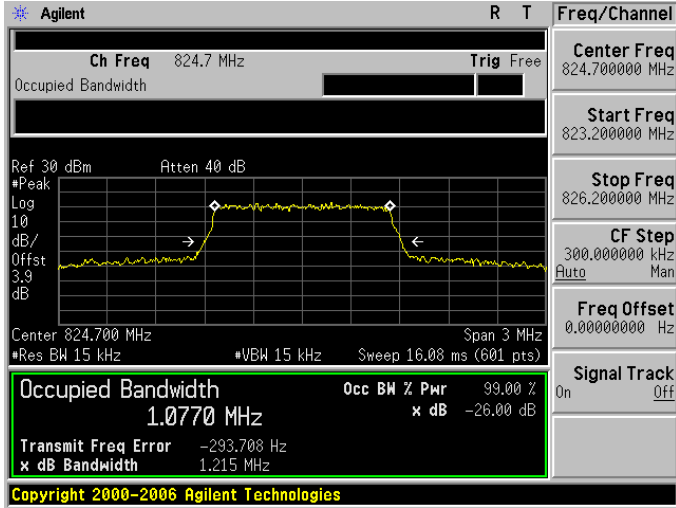
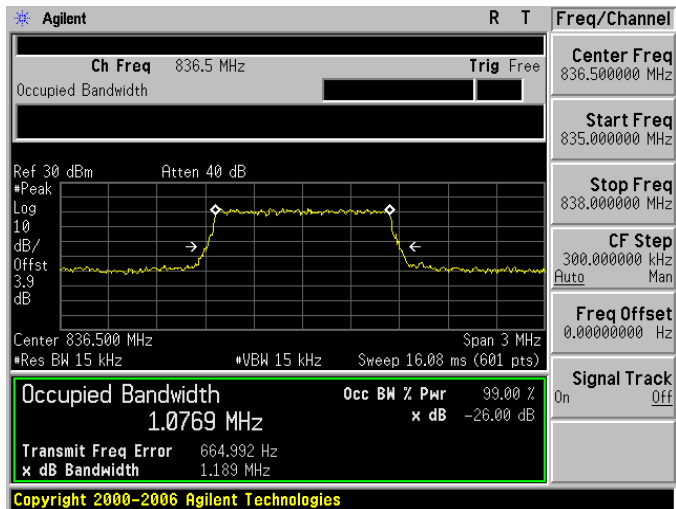
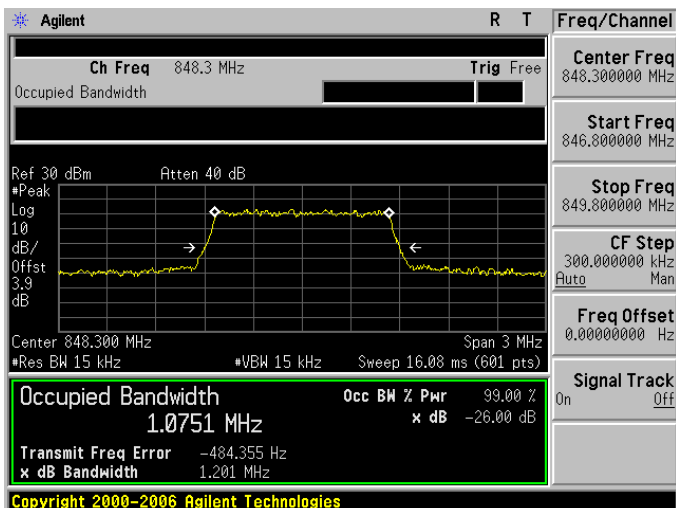
LTE Band 4 (Channel Bandwidth: 20 MHz) _ 16QAM	
1720.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.72 GHz Trig Free Center Freq 1.7200000 GHz Start Freq 1.7000000 GHz Stop Freq 1.7400000 GHz CF Step 4.0000000 MHz Freq Offset 0.0000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 1.720 00 GHz Span 40 MHz Res BW 220 kHz VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8831 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 19.937 kHz x dB Bandwidth 19.028 MHz Copyright 2000-2006 Agilent Technologies
1732.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7325 GHz Trig Free Center Freq 1.7325000 GHz Start Freq 1.7125000 GHz Stop Freq 1.7525000 GHz CF Step 4.0000000 MHz Freq Offset 0.0000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 1.732 50 GHz Span 40 MHz Res BW 220 kHz VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8506 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 14.853 kHz x dB Bandwidth 18.988 MHz Copyright 2000-2006 Agilent Technologies
1745.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.745 GHz Trig Free Center Freq 1.7450000 GHz Start Freq 1.7250000 GHz Stop Freq 1.7650000 GHz CF Step 4.0000000 MHz Freq Offset 0.0000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 1.745 00 GHz Span 40 MHz Res BW 220 kHz VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.9228 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -3.312 kHz x dB Bandwidth 19.148 MHz Copyright 2000-2006 Agilent Technologies

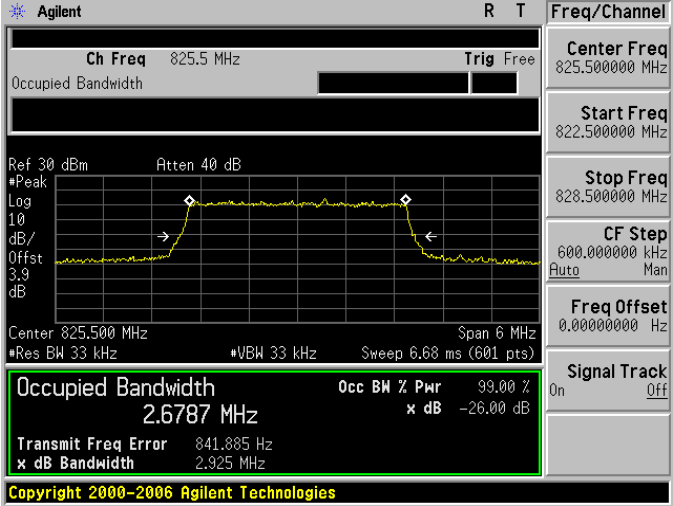
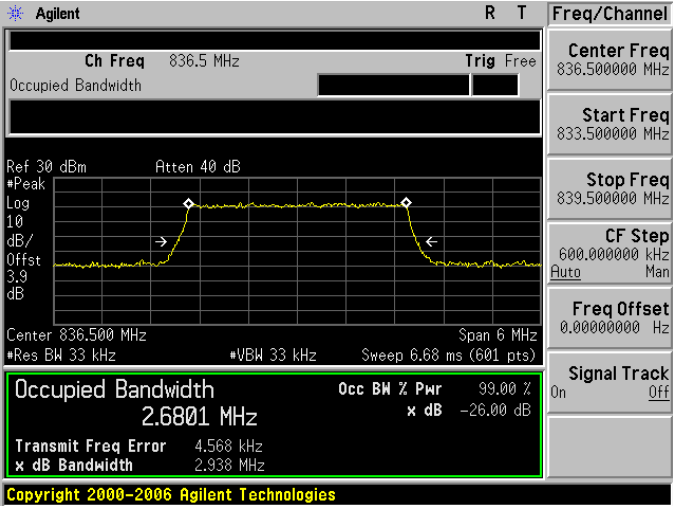
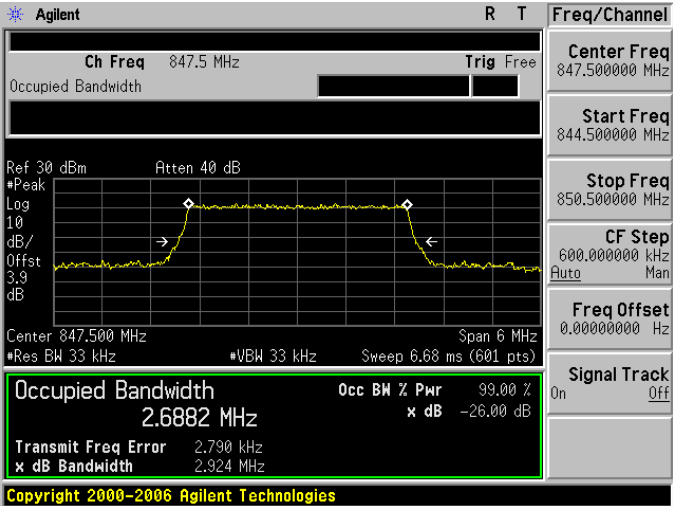
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ QPSK	
824.7 MHz	 Agilent R T Freq/Channel Ch Freq 824.7 MHz Trig Free Center Freq 824.700000 MHz Start Freq 823.200000 MHz Stop Freq 826.200000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 824.700 MHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0768 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -72.271 Hz x dB Bandwidth 1.216 MHz Copyright 2000-2006 Agilent Technologies
836.5 MHz	 Agilent R T Freq/Channel Ch Freq 836.5 MHz Trig Free Center Freq 836.500000 MHz Start Freq 835.000000 MHz Stop Freq 838.000000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 836.500 MHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0770 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.047 kHz x dB Bandwidth 1.182 MHz Copyright 2000-2006 Agilent Technologies
848.3 MHz	 Agilent R T Freq/Channel Ch Freq 848.3 MHz Trig Free Center Freq 848.300000 MHz Start Freq 846.800000 MHz Stop Freq 849.800000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 848.300 MHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0751 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.004 kHz x dB Bandwidth 1.189 MHz Copyright 2000-2006 Agilent Technologies

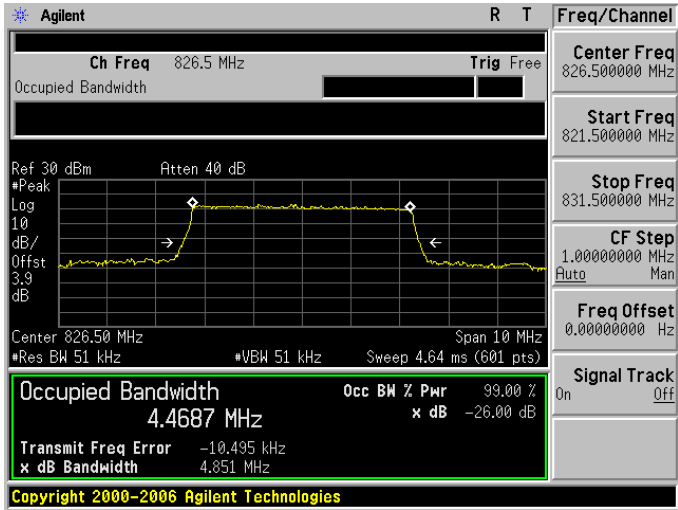
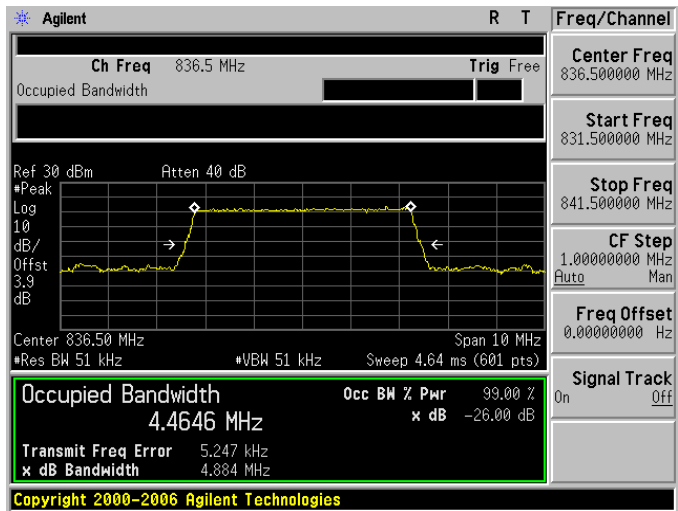
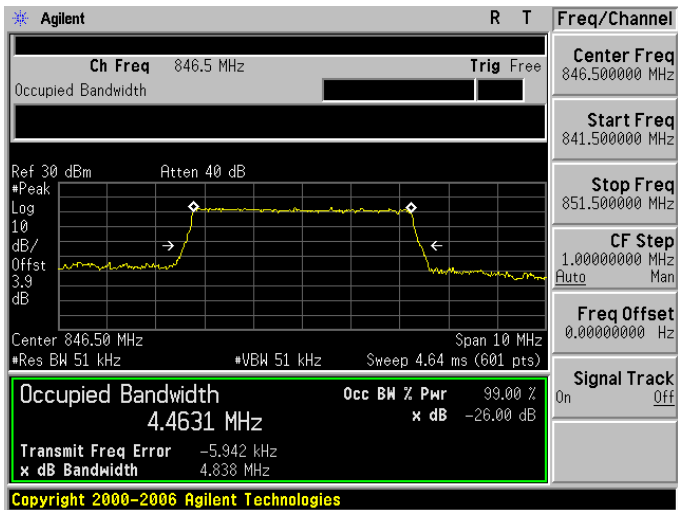
LTE Band 5 (Channel Bandwidth: 3 MHz) _ QPSK	
825.5 MHz	 Agilent R T Freq/Channel Ch Freq 825.5 MHz Trig Free Center Freq 825.500000 MHz Start Freq 822.500000 MHz Stop Freq 828.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 825.500 MHz Span 6 MHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6793 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -74.139 Hz x dB Bandwidth 2.925 MHz Copyright 2000-2006 Agilent Technologies
836.5 MHz	 Agilent R T Freq/Channel Ch Freq 836.5 MHz Trig Free Center Freq 836.500000 MHz Start Freq 833.500000 MHz Stop Freq 839.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 836.500 MHz Span 6 MHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6783 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.109 kHz x dB Bandwidth 2.936 MHz Copyright 2000-2006 Agilent Technologies
847.5 MHz	 Agilent R T Freq/Channel Ch Freq 847.5 MHz Trig Free Center Freq 847.500000 MHz Start Freq 844.500000 MHz Stop Freq 850.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 847.500 MHz Span 6 MHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6898 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 865.859 Hz x dB Bandwidth 2.954 MHz Copyright 2000-2006 Agilent Technologies

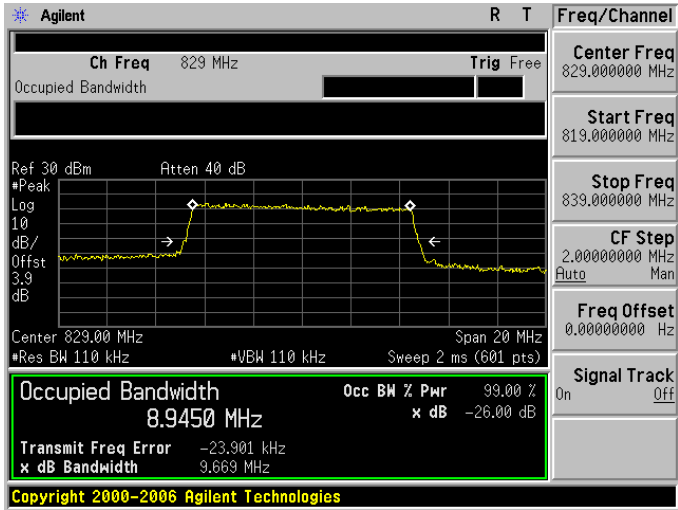
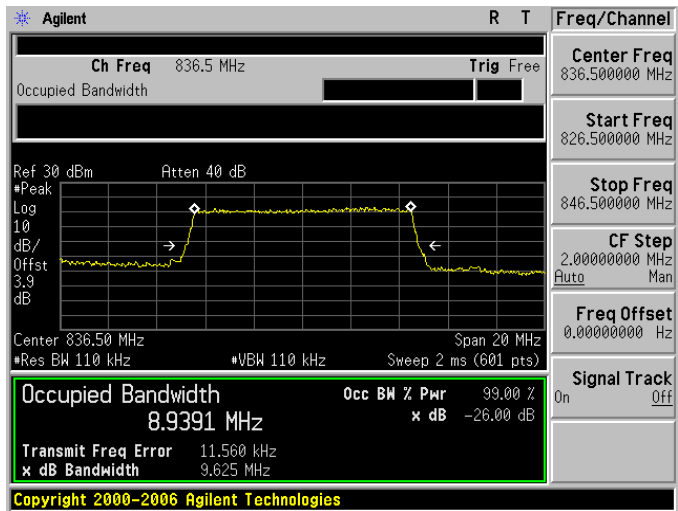
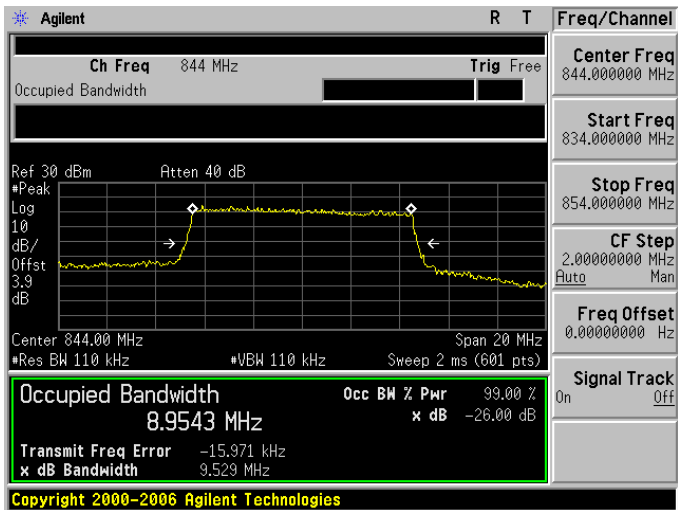
LTE Band 5 (Channel Bandwidth: 5 MHz) _ QPSK	
826.5 MHz	 Agilent R T Freq/Channel Ch Freq 826.5 MHz Trig Free Center Freq 826.500000 MHz Start Freq 821.500000 MHz Stop Freq 831.500000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/ Offst 3.9 dB Center 826.50 MHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4676 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -10.622 kHz x dB Bandwidth 4.861 MHz Copyright 2000-2006 Agilent Technologies
836.5 MHz	 Agilent R T Freq/Channel Ch Freq 836.5 MHz Trig Free Center Freq 836.500000 MHz Start Freq 831.500000 MHz Stop Freq 841.500000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/ Offst 3.9 dB Center 836.50 MHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4620 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 4.178 kHz x dB Bandwidth 4.864 MHz Copyright 2000-2006 Agilent Technologies
846.5 MHz	 Agilent R T Freq/Channel Ch Freq 846.5 MHz Trig Free Center Freq 846.500000 MHz Start Freq 841.500000 MHz Stop Freq 851.500000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/ Offst 3.9 dB Center 846.50 MHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4656 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -6.025 kHz x dB Bandwidth 4.844 MHz Copyright 2000-2006 Agilent Technologies

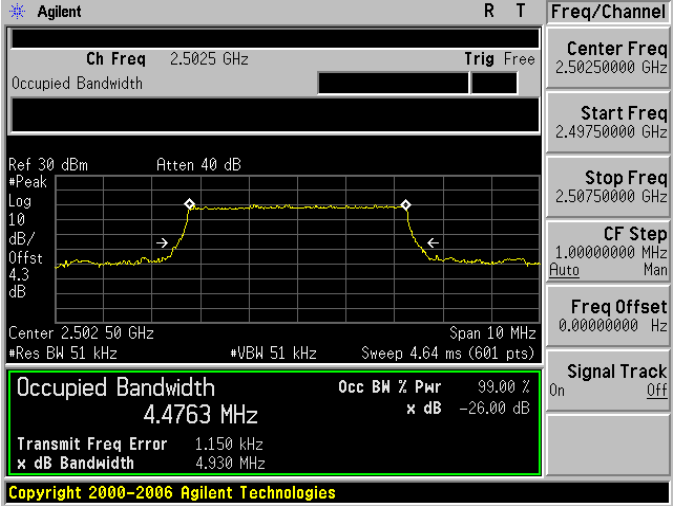
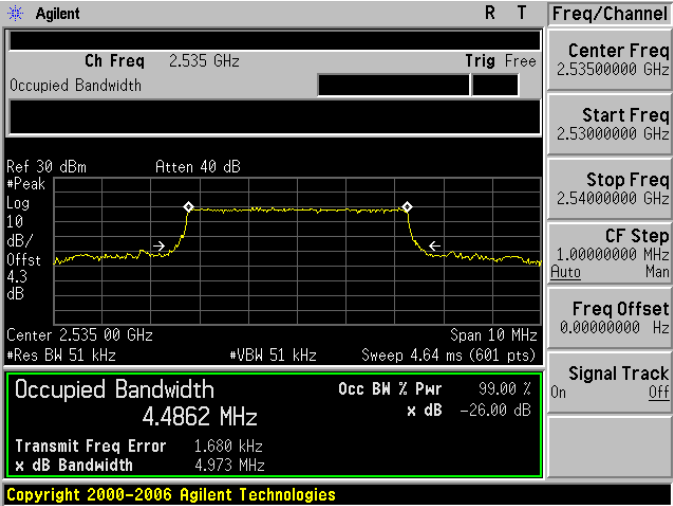
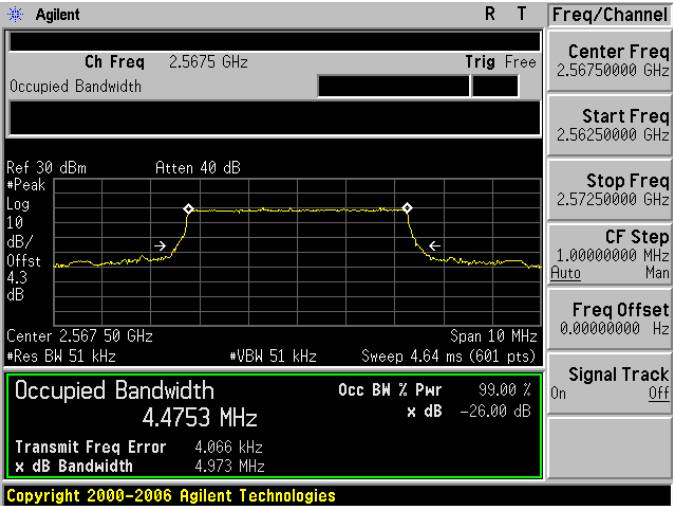
LTE Band 5 (Channel Bandwidth: 10 MHz) _ QPSK	
829.0 MHz	
836.5 MHz	
844.0 MHz	

LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
824.7 MHz	 Agilent R T Freq/Channel Ch Freq 824.7 MHz Trig Free Center Freq 824.700000 MHz Start Freq 823.200000 MHz Stop Freq 826.200000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 824.700 MHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0770 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -293.708 Hz x dB Bandwidth 1.215 MHz Copyright 2000-2006 Agilent Technologies
836.5 MHz	 Agilent R T Freq/Channel Ch Freq 836.5 MHz Trig Free Center Freq 836.500000 MHz Start Freq 835.000000 MHz Stop Freq 838.000000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 836.500 MHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0769 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 664.992 Hz x dB Bandwidth 1.189 MHz Copyright 2000-2006 Agilent Technologies
848.3 MHz	 Agilent R T Freq/Channel Ch Freq 848.3 MHz Trig Free Center Freq 848.300000 MHz Start Freq 846.800000 MHz Stop Freq 849.800000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 848.300 MHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0751 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -484.355 Hz x dB Bandwidth 1.201 MHz Copyright 2000-2006 Agilent Technologies

LTE Band 5 (Channel Bandwidth: 3 MHz) _ 16QAM	
825.5 MHz	 Agilent R T Freq/Channel Ch Freq 825.5 MHz Trig Free Occupied Bandwidth Ref 30 dBm Atten 40 dB Log 10 dB/Offst 3.9 dB Center 825.500 MHz Span 6 MHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6787 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 841.885 Hz x dB Bandwidth 2.925 MHz Copyright 2000-2006 Agilent Technologies Freq/Channel Center Freq 825.500000 MHz Start Freq 822.500000 MHz Stop Freq 828.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
836.5 MHz	 Agilent R T Freq/Channel Ch Freq 836.5 MHz Trig Free Occupied Bandwidth Ref 30 dBm Atten 40 dB Log 10 dB/Offst 3.9 dB Center 836.500 MHz Span 6 MHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6801 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 4.568 kHz x dB Bandwidth 2.938 MHz Copyright 2000-2006 Agilent Technologies Freq/Channel Center Freq 836.500000 MHz Start Freq 833.500000 MHz Stop Freq 839.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
847.5 MHz	 Agilent R T Freq/Channel Ch Freq 847.5 MHz Trig Free Occupied Bandwidth Ref 30 dBm Atten 40 dB Log 10 dB/Offst 3.9 dB Center 847.500 MHz Span 6 MHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6882 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.790 kHz x dB Bandwidth 2.924 MHz Copyright 2000-2006 Agilent Technologies Freq/Channel Center Freq 847.500000 MHz Start Freq 844.500000 MHz Stop Freq 850.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off

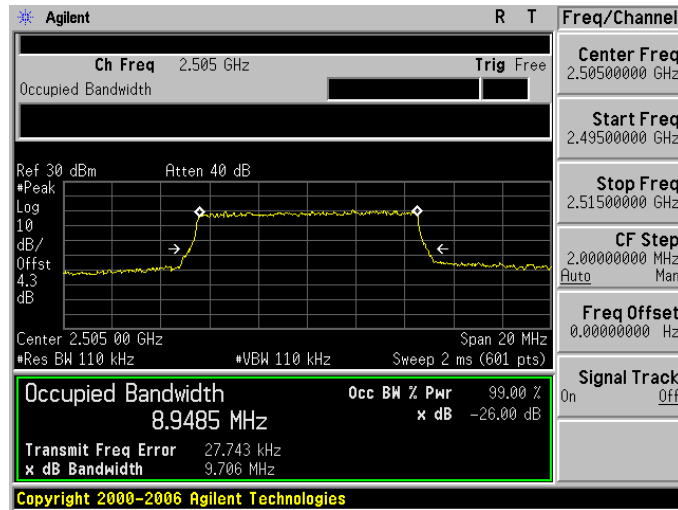
LTE Band 5 (Channel Bandwidth: 5 MHz) _ 16QAM	
826.5 MHz	 Copyright 2000-2006 Agilent Technologies
836.5 MHz	 Copyright 2000-2006 Agilent Technologies
846.5 MHz	 Copyright 2000-2006 Agilent Technologies

LTE Band 5 (Channel Bandwidth: 10 MHz) _ 16QAM	
829.0 MHz	
836.5 MHz	
844.0 MHz	

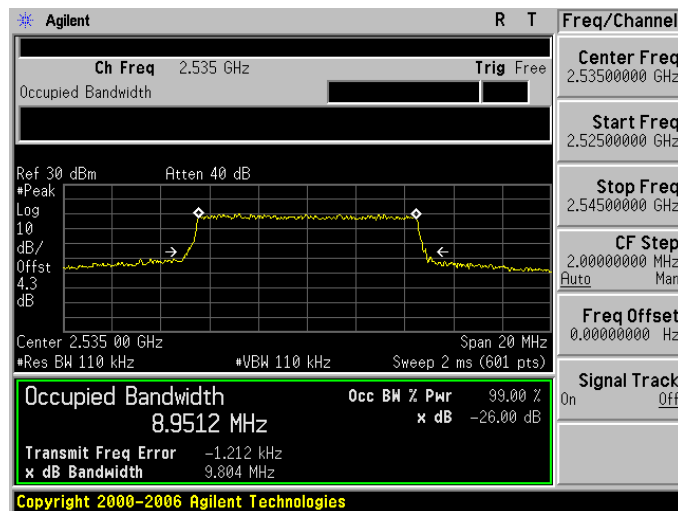
LTE Band 7 (Channel Bandwidth: 5 MHz) _ QPSK	
2502.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.5025 GHz Trig Free Center Freq 2.5025000 GHz Start Freq 2.4975000 GHz Stop Freq 2.5075000 GHz CF Step 1.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.502 50 GHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4763 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.150 kHz x dB Bandwidth 4.930 MHz Copyright 2000-2006 Agilent Technologies
2535.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.535 GHz Trig Free Center Freq 2.5350000 GHz Start Freq 2.5300000 GHz Stop Freq 2.5400000 GHz CF Step 1.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.535 00 GHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4862 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.680 kHz x dB Bandwidth 4.973 MHz Copyright 2000-2006 Agilent Technologies
2567.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.5675 GHz Trig Free Center Freq 2.5675000 GHz Start Freq 2.5625000 GHz Stop Freq 2.5725000 GHz CF Step 1.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.567 50 GHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4753 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 4.066 kHz x dB Bandwidth 4.973 MHz Copyright 2000-2006 Agilent Technologies

LTE Band 7 (Channel Bandwidth: 10 MHz) _ QPSK

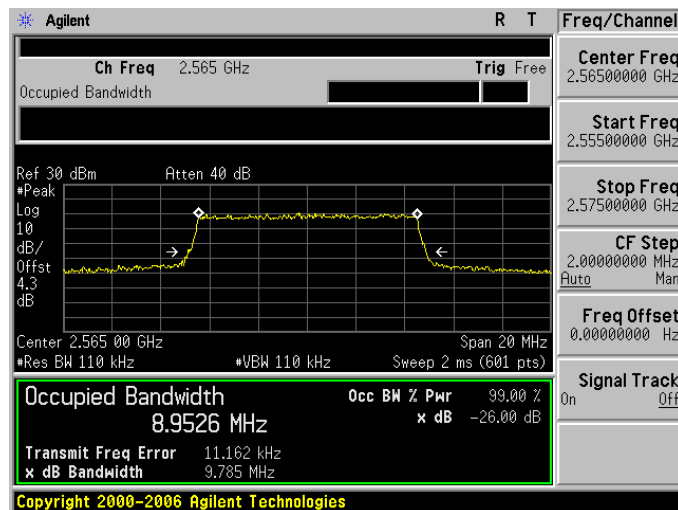
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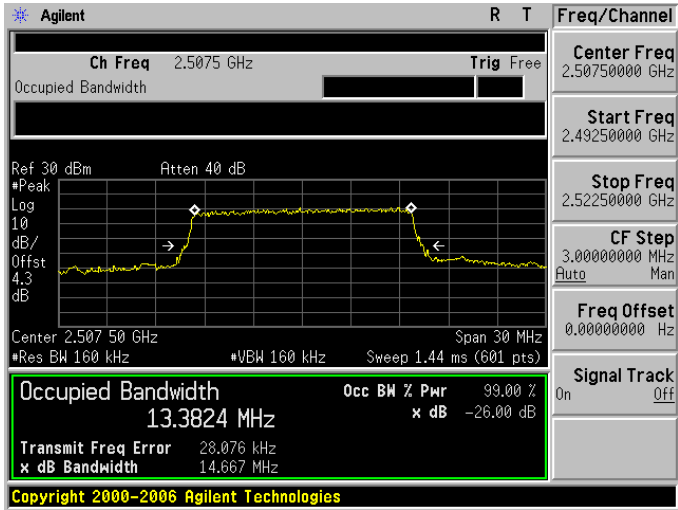
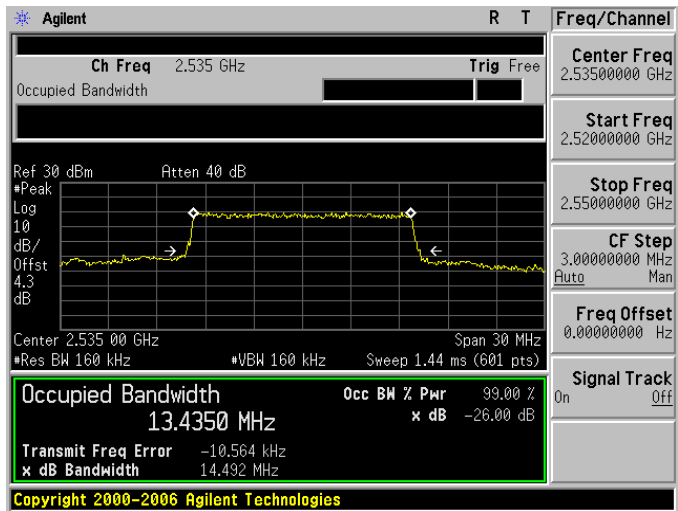
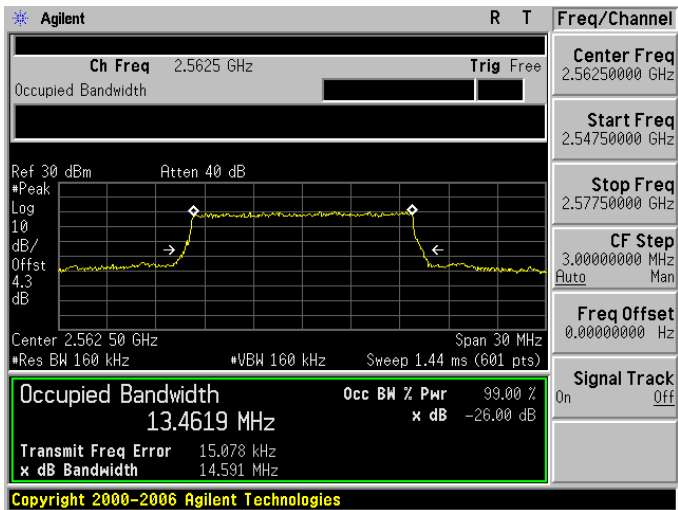


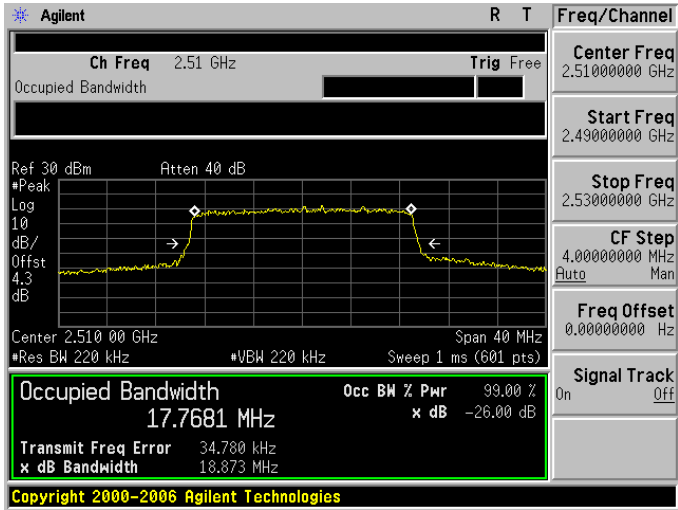
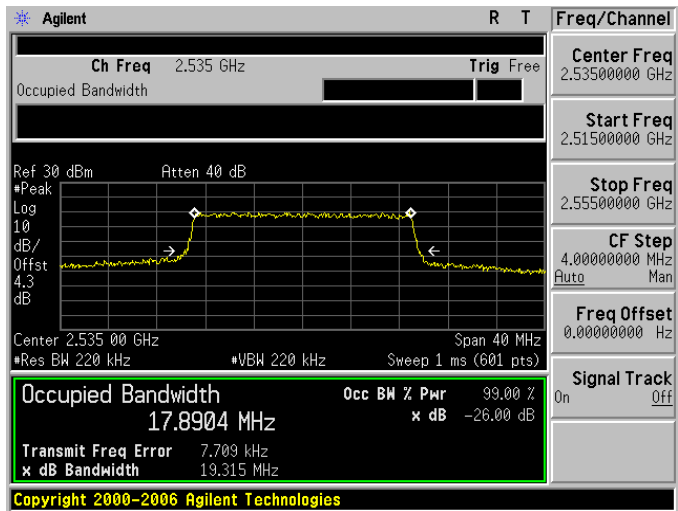
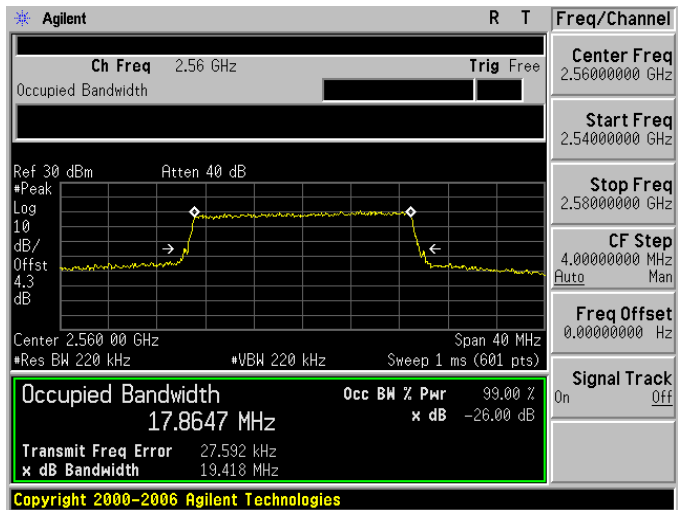
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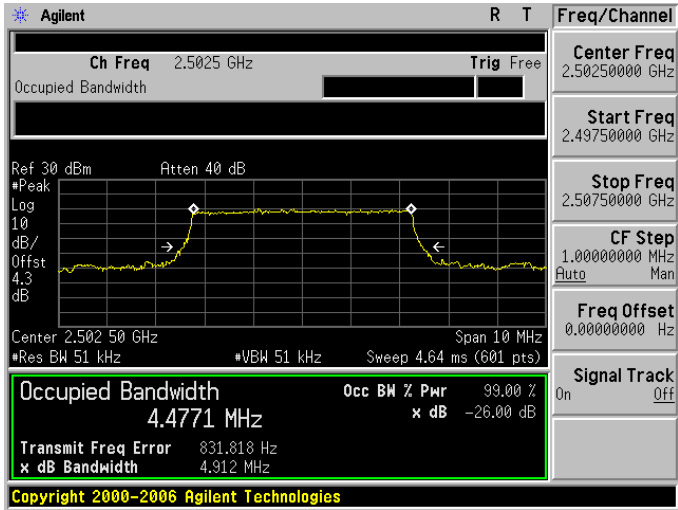
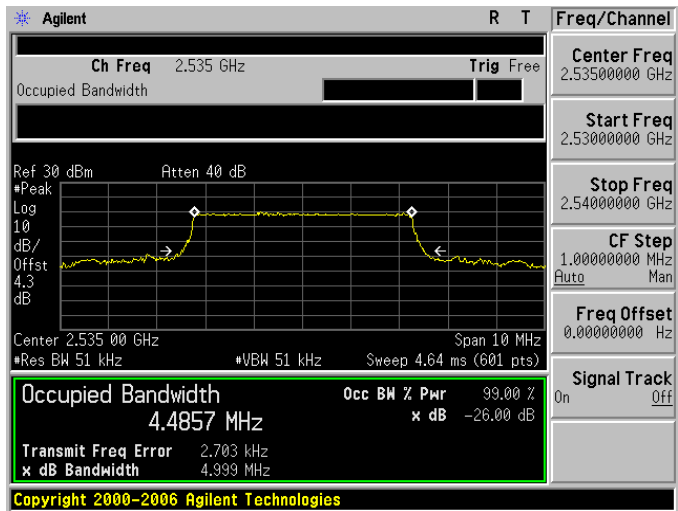
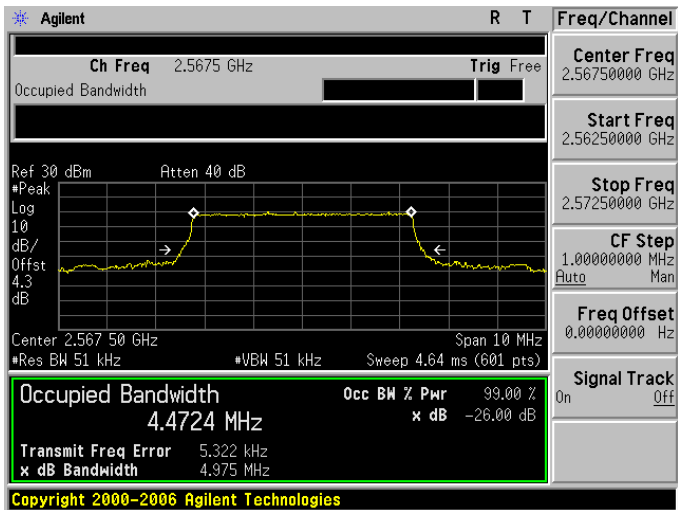


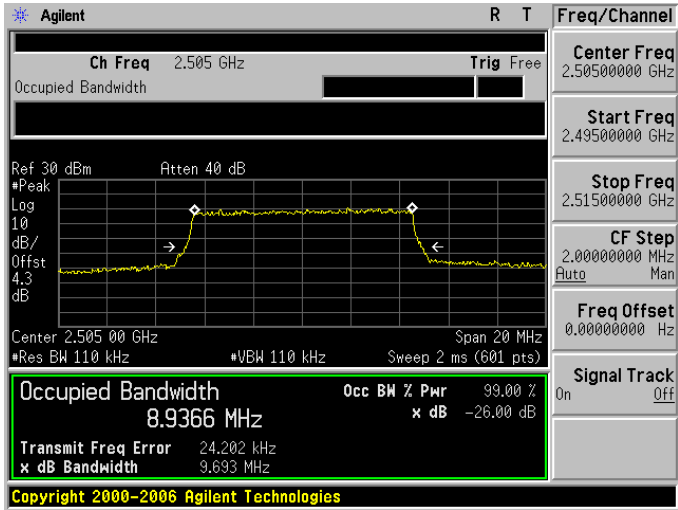
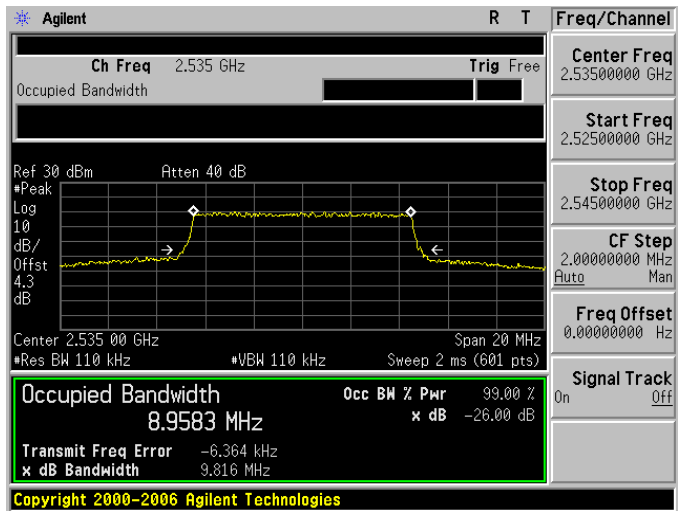
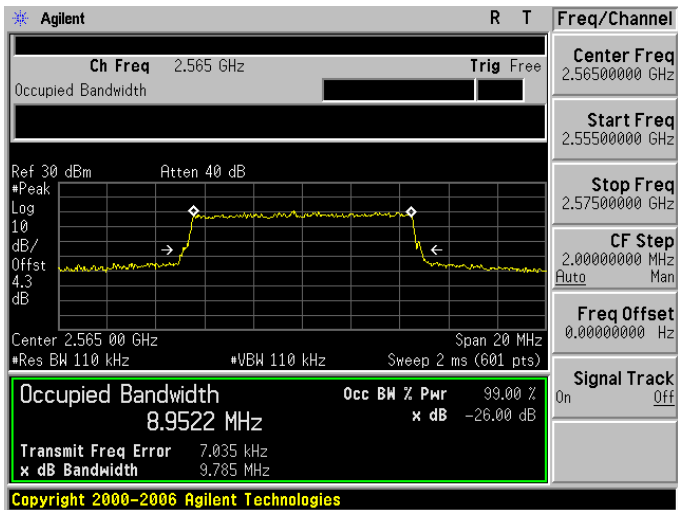
2565.0 MHz

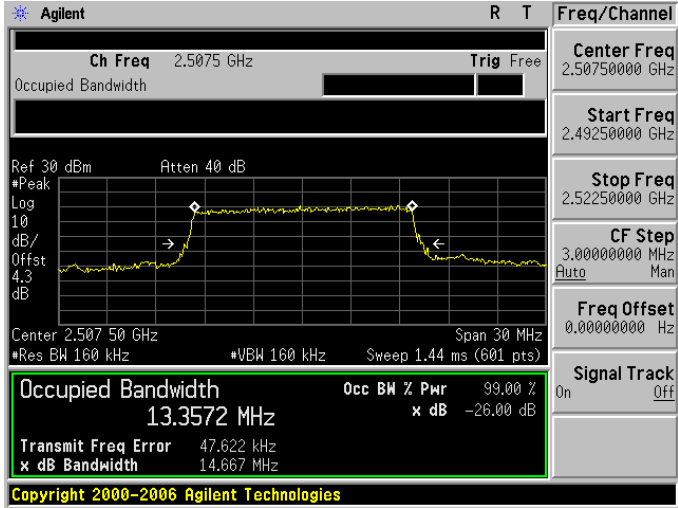
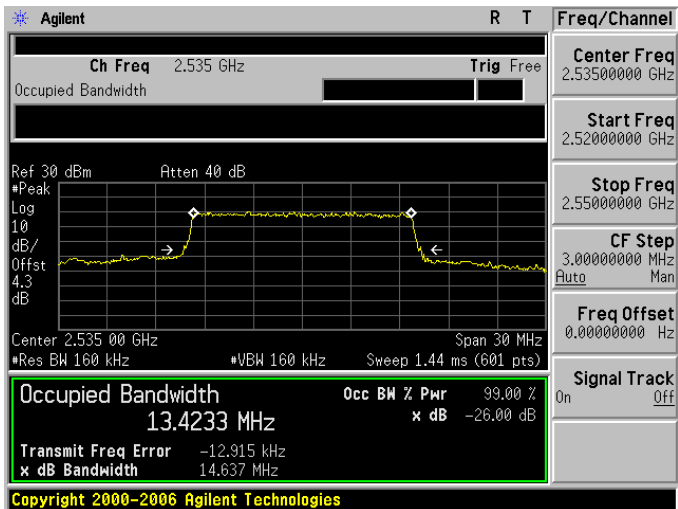
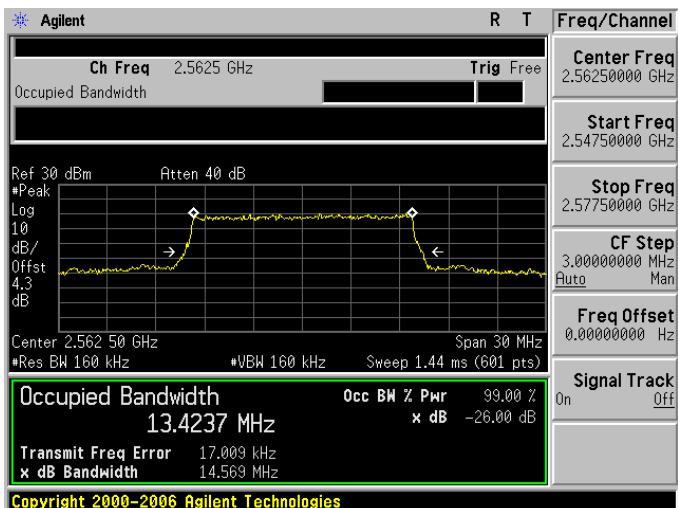


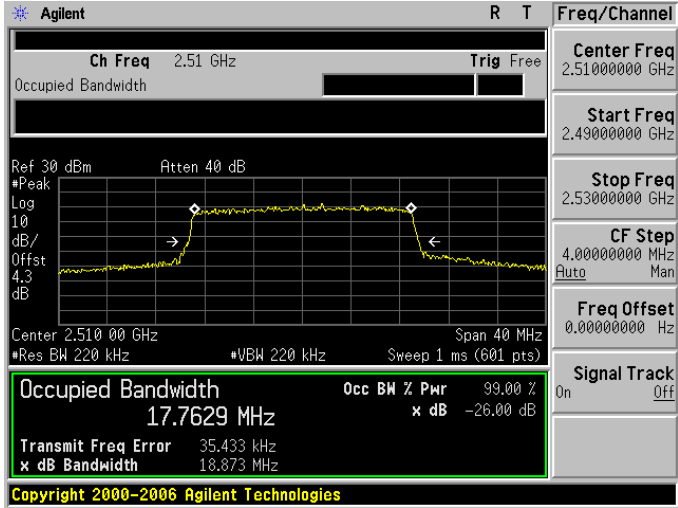
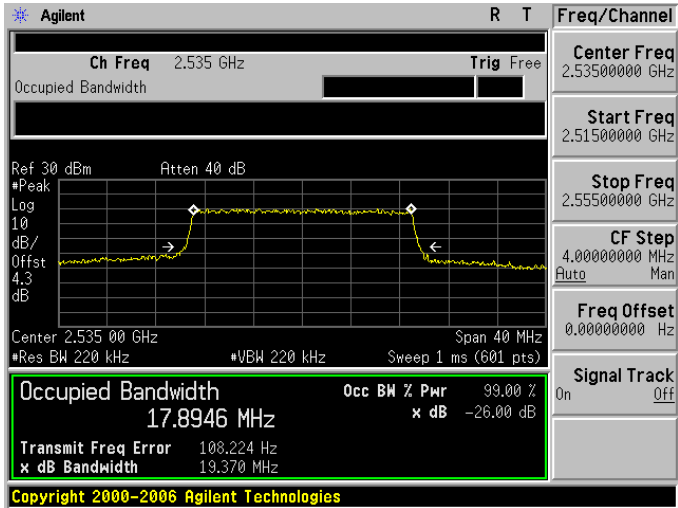
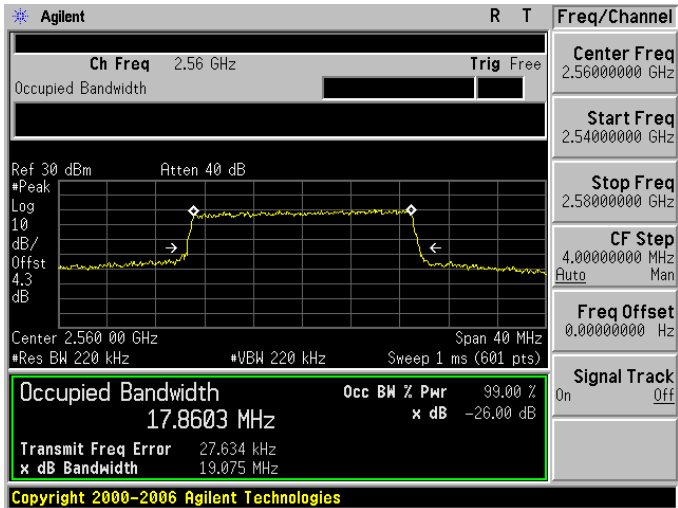
LTE Band 7 (Channel Bandwidth: 15 MHz) _ QPSK	
2507.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.5075 GHz Trig Free Center Freq 2.50750000 GHz Start Freq 2.49250000 GHz Stop Freq 2.52250000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 2.507 50 GHz Span 30 MHz Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.3824 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 28.076 kHz x dB Bandwidth 14.667 MHz Copyright 2000-2006 Agilent Technologies
2535.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.535 GHz Trig Free Center Freq 2.53500000 GHz Start Freq 2.52000000 GHz Stop Freq 2.55000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 2.535 00 GHz Span 30 MHz Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4350 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -10.564 kHz x dB Bandwidth 14.492 MHz Copyright 2000-2006 Agilent Technologies
2562.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.5625 GHz Trig Free Center Freq 2.56250000 GHz Start Freq 2.54750000 GHz Stop Freq 2.57750000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 2.562 50 GHz Span 30 MHz Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4619 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 15.078 kHz x dB Bandwidth 14.591 MHz Copyright 2000-2006 Agilent Technologies

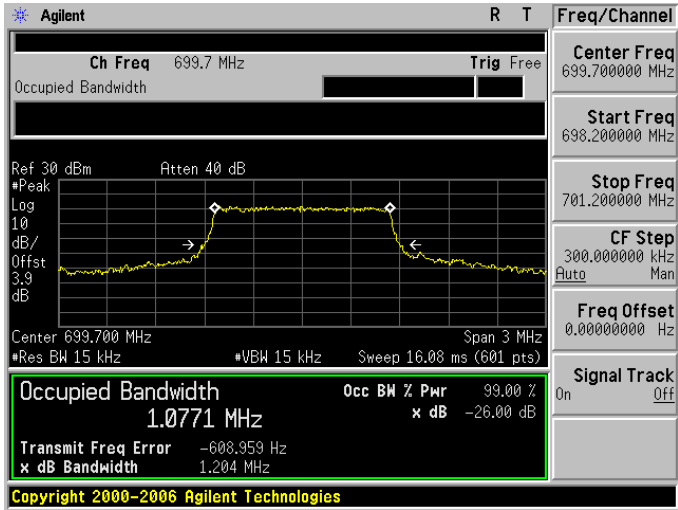
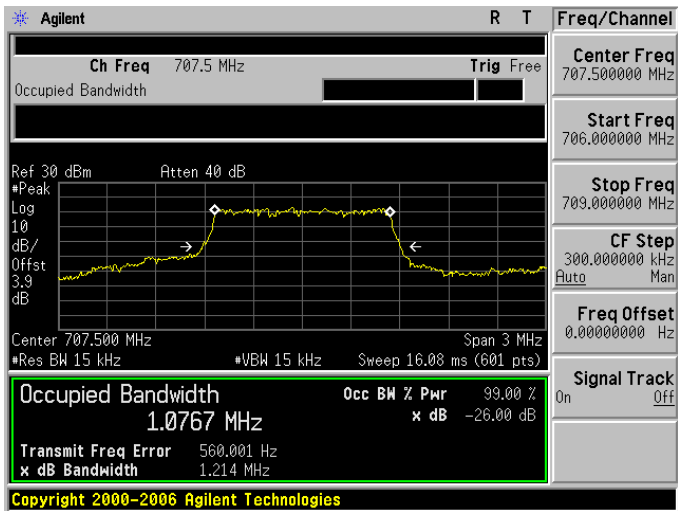
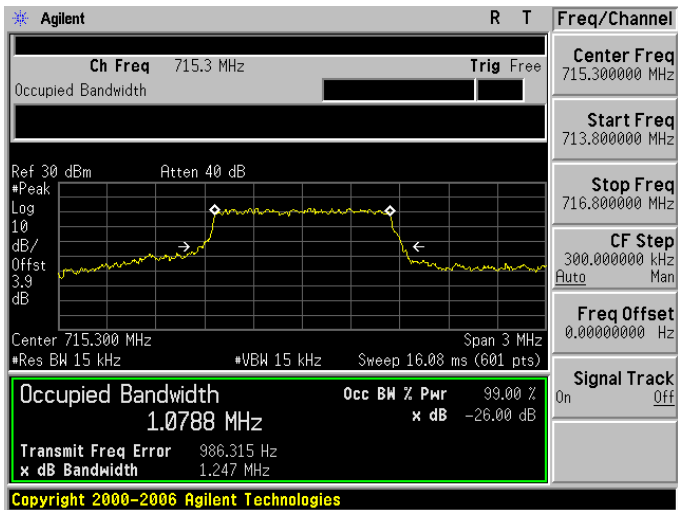
LTE Band 7 (Channel Bandwidth: 20 MHz) _ QPSK	
2510.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.51 GHz Trig Free Center Freq 2.51000000 GHz Start Freq 2.49000000 GHz Stop Freq 2.53000000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 2.510 00 GHz Span 40 MHz Res BW 220 kHz VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.7681 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 34.780 kHz x dB Bandwidth 18.873 MHz Copyright 2000-2006 Agilent Technologies
2535.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.535 GHz Trig Free Center Freq 2.53500000 GHz Start Freq 2.51500000 GHz Stop Freq 2.55500000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 2.535 00 GHz Span 40 MHz Res BW 220 kHz VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8904 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 7.709 kHz x dB Bandwidth 19.315 MHz Copyright 2000-2006 Agilent Technologies
2560.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.56 GHz Trig Free Center Freq 2.56000000 GHz Start Freq 2.54000000 GHz Stop Freq 2.58000000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 2.560 00 GHz Span 40 MHz Res BW 220 kHz VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8647 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 27.592 kHz x dB Bandwidth 19.418 MHz Copyright 2000-2006 Agilent Technologies

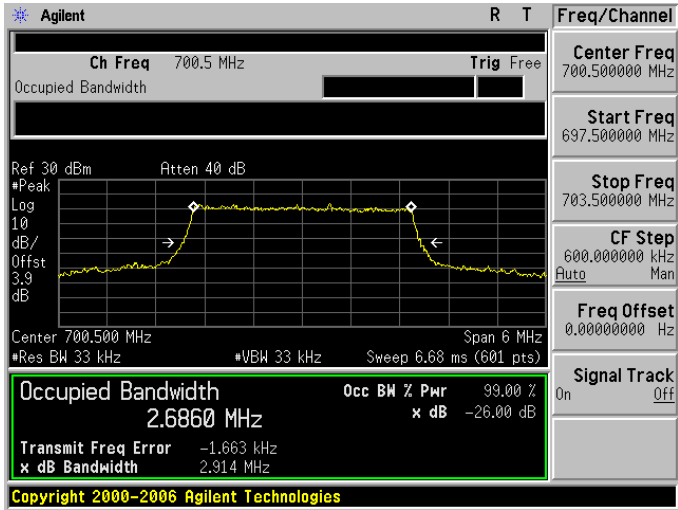
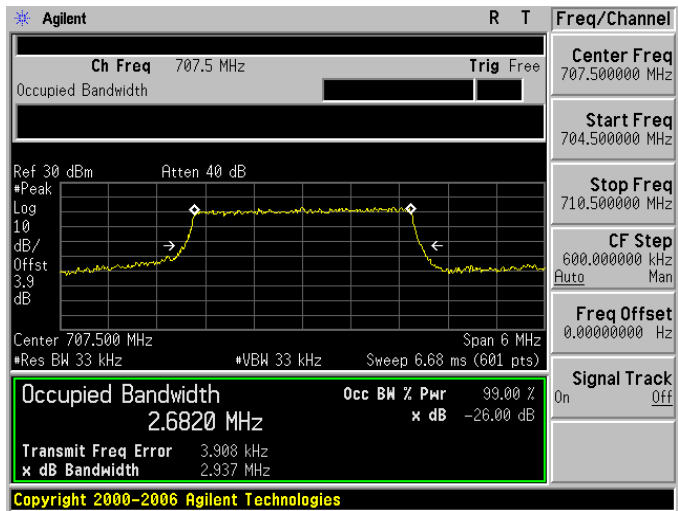
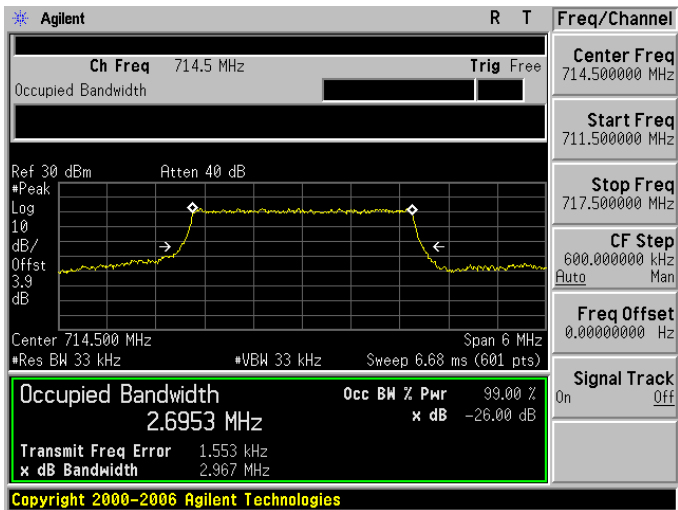
LTE Band 7 (Channel Bandwidth: 5 MHz) _ 16QAM	
2502.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.5025 GHz Trig Free Center Freq 2.50250000 GHz Start Freq 2.49750000 GHz Stop Freq 2.50750000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.502 50 GHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4771 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 831.818 Hz x dB Bandwidth 4.912 MHz Copyright 2000-2006 Agilent Technologies
2535.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.535 GHz Trig Free Center Freq 2.53500000 GHz Start Freq 2.53000000 GHz Stop Freq 2.54000000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.535 00 GHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4857 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.703 kHz x dB Bandwidth 4.999 MHz Copyright 2000-2006 Agilent Technologies
2567.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.5675 GHz Trig Free Center Freq 2.56750000 GHz Start Freq 2.56250000 GHz Stop Freq 2.57250000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.567 50 GHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4724 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 5.322 kHz x dB Bandwidth 4.975 MHz Copyright 2000-2006 Agilent Technologies

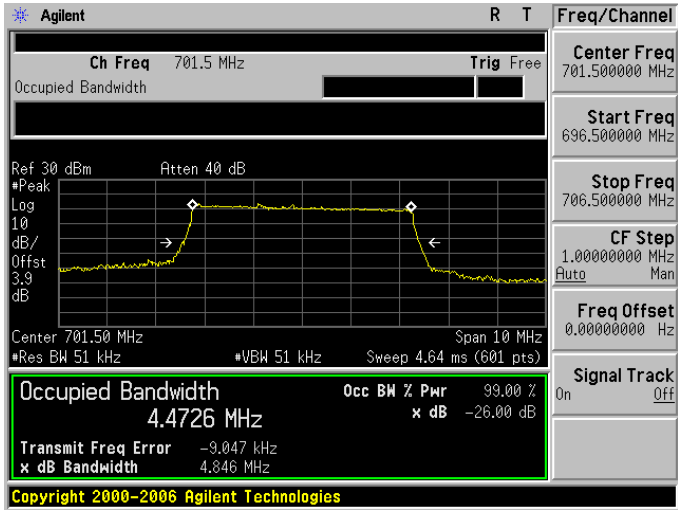
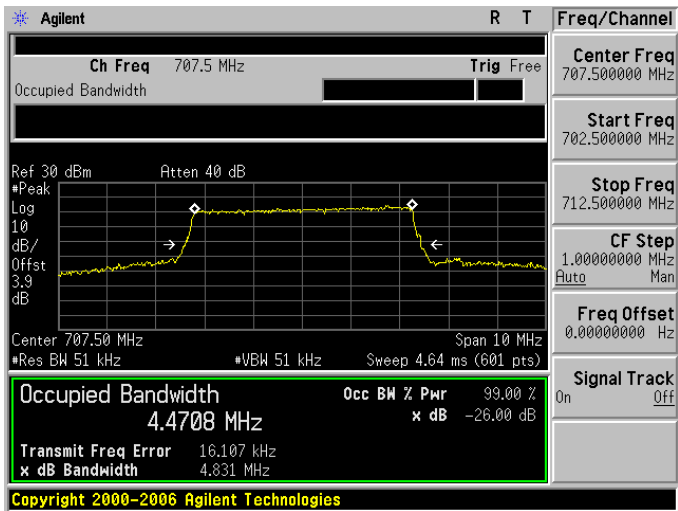
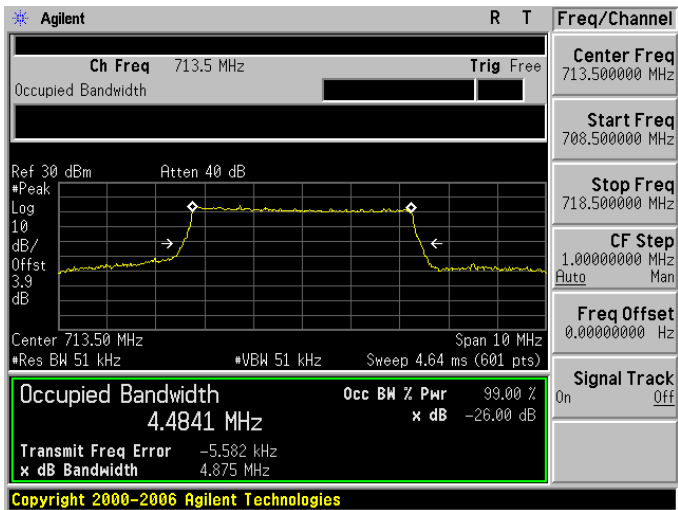
LTE Band 7 (Channel Bandwidth: 10 MHz) _16QAM	
2505.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.505 GHz Trig Free Center Freq 2.50500000 GHz Start Freq 2.49500000 GHz Stop Freq 2.51500000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.505 00 GHz Span 20 MHz Res BW 110 kHz VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9366 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 24.202 kHz x dB Bandwidth 9.693 MHz Copyright 2000-2006 Agilent Technologies
2535.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.535 GHz Trig Free Center Freq 2.53500000 GHz Start Freq 2.52500000 GHz Stop Freq 2.54500000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.535 00 GHz Span 20 MHz Res BW 110 kHz VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9583 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -6.364 kHz x dB Bandwidth 9.816 MHz Copyright 2000-2006 Agilent Technologies
2565.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.565 GHz Trig Free Center Freq 2.56500000 GHz Start Freq 2.55500000 GHz Stop Freq 2.57500000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.565 00 GHz Span 20 MHz Res BW 110 kHz VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9522 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 7.035 kHz x dB Bandwidth 9.785 MHz Copyright 2000-2006 Agilent Technologies

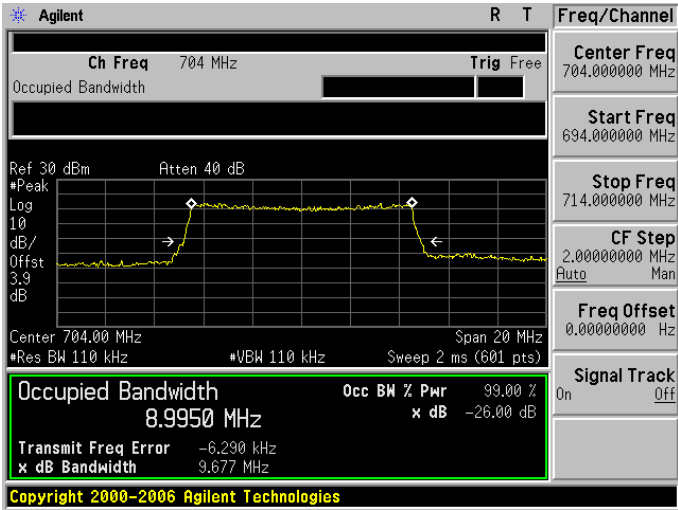
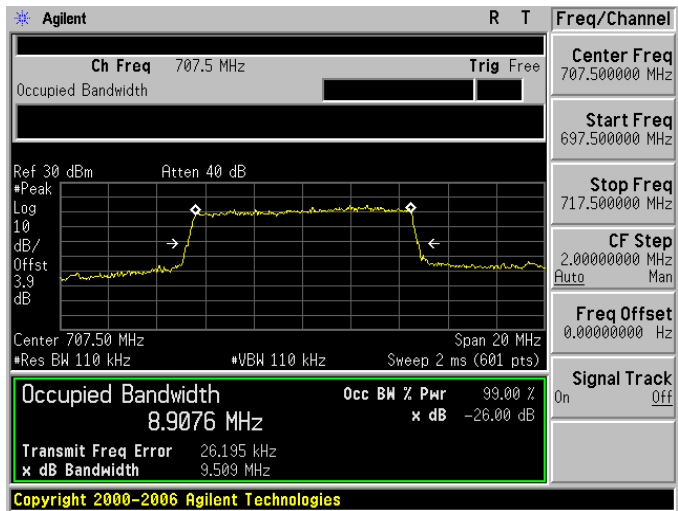
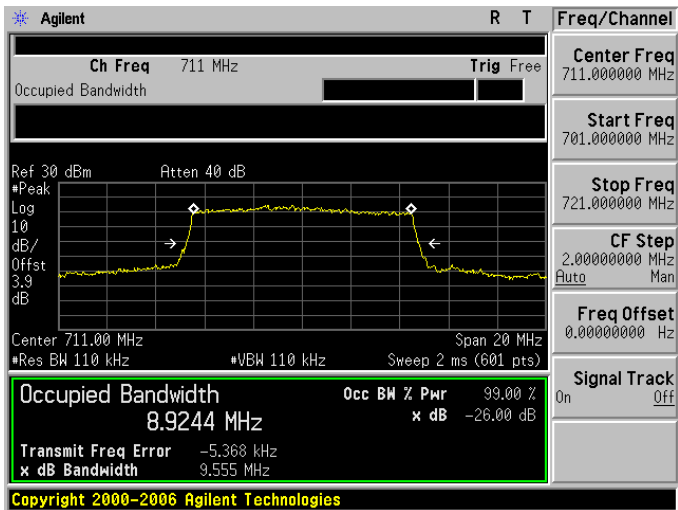
LTE Band 7 (Channel Bandwidth: 15 MHz) _ 16QAM	
2507.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.5075 GHz Trig Free Center Freq 2.50750000 GHz Start Freq 2.49250000 GHz Stop Freq 2.52250000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.507 50 GHz Span 30 MHz Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.3572 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 47.622 kHz x dB Bandwidth 14.667 MHz Copyright 2000-2006 Agilent Technologies
2535.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.535 GHz Trig Free Center Freq 2.53500000 GHz Start Freq 2.52000000 GHz Stop Freq 2.55000000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.535 00 GHz Span 30 MHz Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4233 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -12.915 kHz x dB Bandwidth 14.637 MHz Copyright 2000-2006 Agilent Technologies
2562.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.5625 GHz Trig Free Center Freq 2.56250000 GHz Start Freq 2.54750000 GHz Stop Freq 2.57750000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.562 50 GHz Span 30 MHz Res BW 160 kHz VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4237 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 17.009 kHz x dB Bandwidth 14.569 MHz Copyright 2000-2006 Agilent Technologies

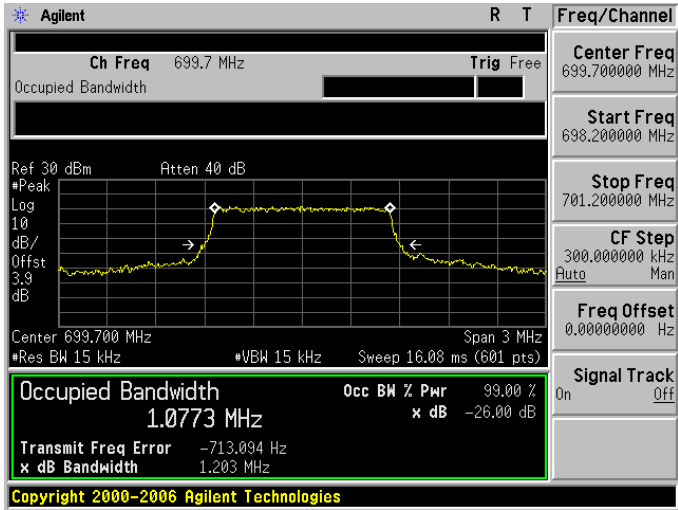
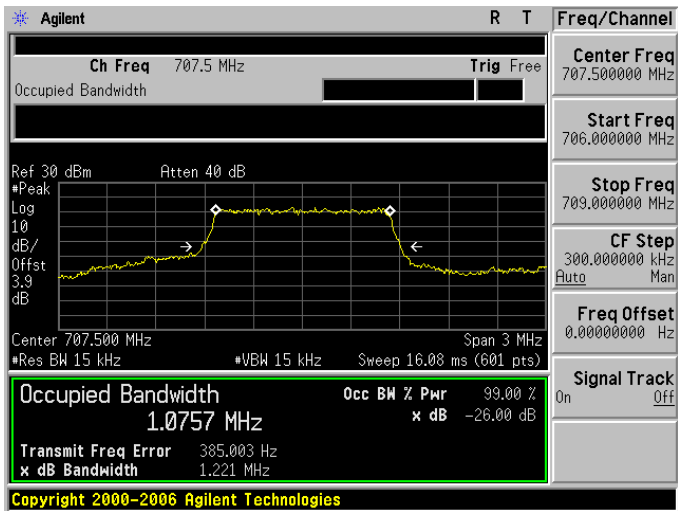
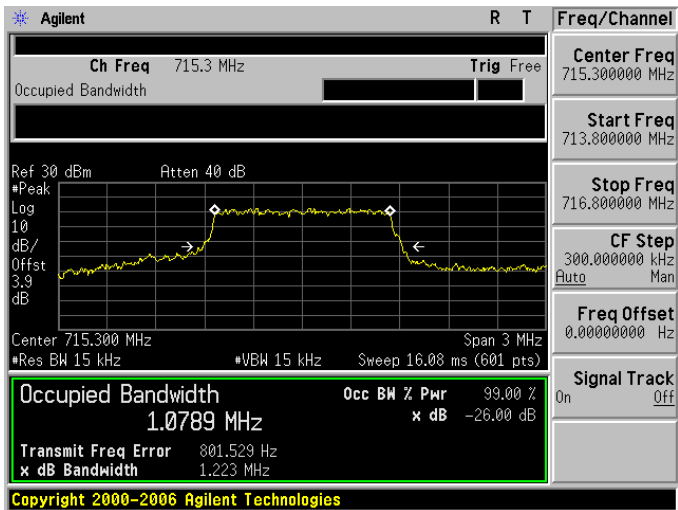
LTE Band 7 (Channel Bandwidth: 20 MHz) _ 16QAM	
2510.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.51 GHz Trig Free Center Freq 2.51000000 GHz Start Freq 2.49000000 GHz Stop Freq 2.53000000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 2.510 00 GHz Span 40 MHz Res BW 220 kHz VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.7629 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 35.433 kHz x dB Bandwidth 18.873 MHz Copyright 2000-2006 Agilent Technologies
2535.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.535 GHz Trig Free Center Freq 2.53500000 GHz Start Freq 2.51500000 GHz Stop Freq 2.55500000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 2.535 00 GHz Span 40 MHz Res BW 220 kHz VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8946 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 108.224 Hz x dB Bandwidth 19.370 MHz Copyright 2000-2006 Agilent Technologies
2560.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.56 GHz Trig Free Center Freq 2.56000000 GHz Start Freq 2.54000000 GHz Stop Freq 2.58000000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak 10 dB/Offst 4.3 dB Center 2.560 00 GHz Span 40 MHz Res BW 220 kHz VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8603 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 27.634 kHz x dB Bandwidth 19.075 MHz Copyright 2000-2006 Agilent Technologies

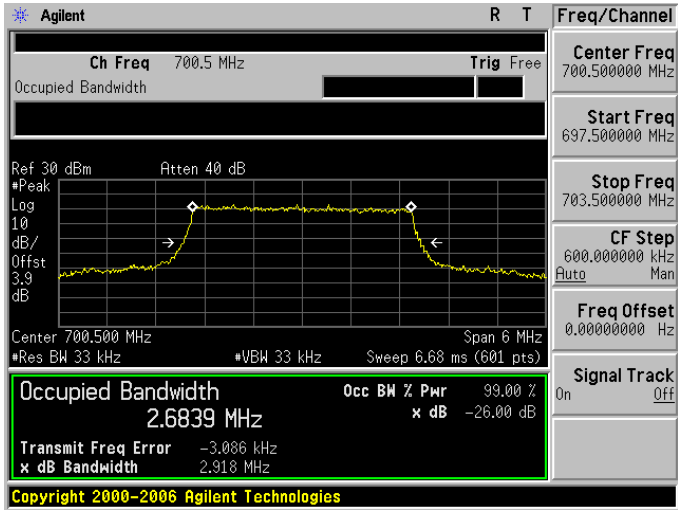
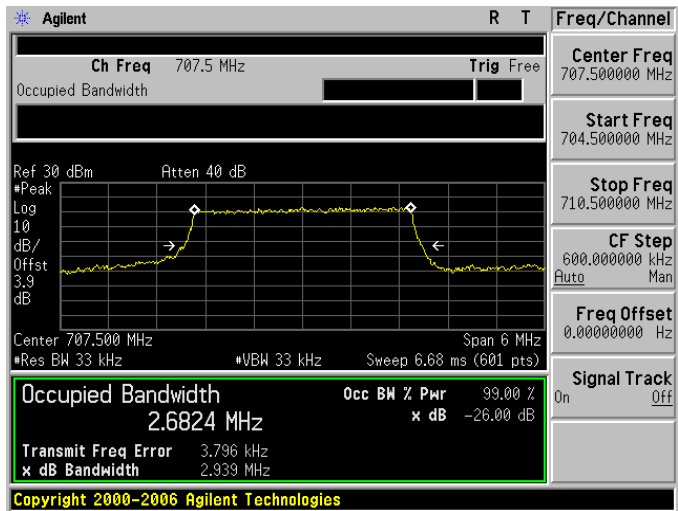
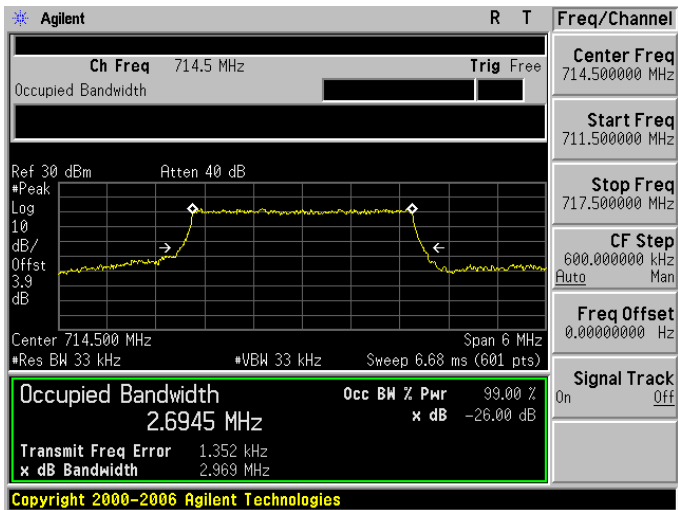
LTE Band 12 (Channel Bandwidth: 1.4 MHz) _ QPSK	
699.7 MHz	 Agilent R T Freq/Channel Ch Freq 699.7 MHz Trig Free Center Freq 699.700000 MHz Start Freq 698.200000 MHz Stop Freq 701.200000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 699.700 MHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0771 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -608.959 Hz x dB Bandwidth 1.204 MHz Copyright 2000-2006 Agilent Technologies
707.5 MHz	 Agilent R T Freq/Channel Ch Freq 707.5 MHz Trig Free Center Freq 707.500000 MHz Start Freq 706.000000 MHz Stop Freq 709.000000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 707.500 MHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0767 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 560.001 Hz x dB Bandwidth 1.214 MHz Copyright 2000-2006 Agilent Technologies
715.3 MHz	 Agilent R T Freq/Channel Ch Freq 715.3 MHz Trig Free Center Freq 715.300000 MHz Start Freq 713.800000 MHz Stop Freq 716.800000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 715.300 MHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0788 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 986.315 Hz x dB Bandwidth 1.247 MHz Copyright 2000-2006 Agilent Technologies

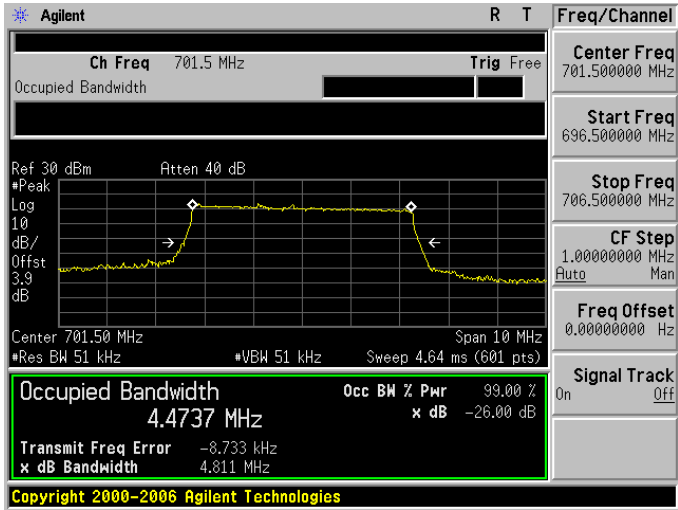
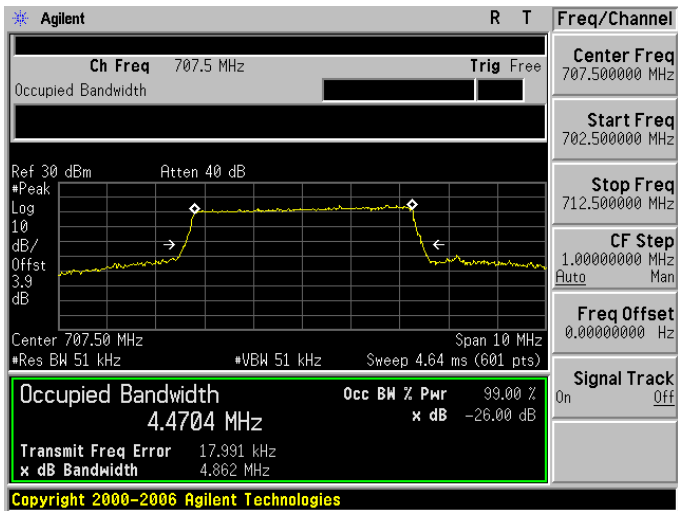
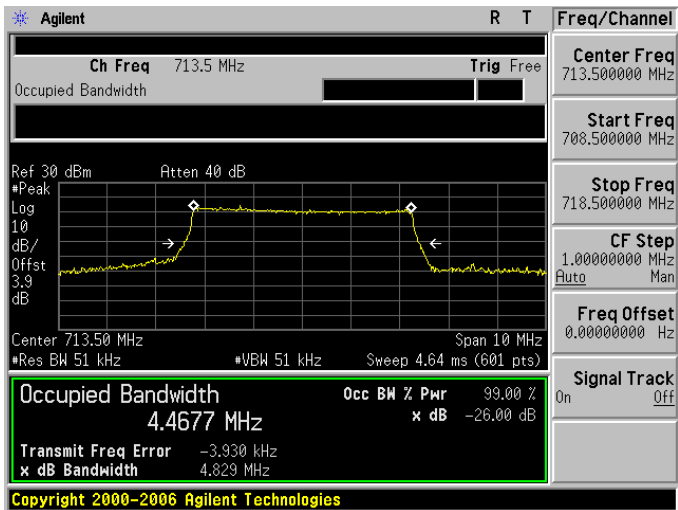
LTE Band 12 (Channel Bandwidth: 3 MHz) _ QPSK	
700.5 MHz	 Agilent R T Freq/Channel Ch Freq 700.5 MHz Trig Free Center Freq 700.500000 MHz Start Freq 697.500000 MHz Stop Freq 703.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 700.500 MHz Span 6 MHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6860 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.663 kHz x dB Bandwidth 2.914 MHz Copyright 2000-2006 Agilent Technologies
707.5 MHz	 Agilent R T Freq/Channel Ch Freq 707.5 MHz Trig Free Center Freq 707.500000 MHz Start Freq 704.500000 MHz Stop Freq 710.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 707.500 MHz Span 6 MHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6820 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 3.908 kHz x dB Bandwidth 2.937 MHz Copyright 2000-2006 Agilent Technologies
714.5 MHz	 Agilent R T Freq/Channel Ch Freq 714.5 MHz Trig Free Center Freq 714.500000 MHz Start Freq 711.500000 MHz Stop Freq 717.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 714.500 MHz Span 6 MHz Res BW 33 kHz VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6953 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.553 kHz x dB Bandwidth 2.967 MHz Copyright 2000-2006 Agilent Technologies

LTE Band 12 (Channel Bandwidth: 5 MHz) _ QPSK	
701.5 MHz	 Copyright 2000-2006 Agilent Technologies
707.5 MHz	 Copyright 2000-2006 Agilent Technologies
713.5 MHz	 Copyright 2000-2006 Agilent Technologies

LTE Band 12 (Channel Bandwidth: 10 MHz) _ QPSK	
704.0 MHz	 Agilent R T Freq/Channel Ch Freq 704 MHz Trig Free Center Freq 704.000000 MHz Start Freq 694.000000 MHz Stop Freq 714.000000 MHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 704.00 MHz Span 20 MHz Res BW 110 kHz VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9950 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -6.290 kHz x dB Bandwidth 9.677 MHz Copyright 2000-2006 Agilent Technologies
707.5 MHz	 Agilent R T Freq/Channel Ch Freq 707.5 MHz Trig Free Center Freq 707.500000 MHz Start Freq 697.500000 MHz Stop Freq 717.500000 MHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 707.50 MHz Span 20 MHz Res BW 110 kHz VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9076 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 26.195 kHz x dB Bandwidth 9.509 MHz Copyright 2000-2006 Agilent Technologies
711.0 MHz	 Agilent R T Freq/Channel Ch Freq 711 MHz Trig Free Center Freq 711.000000 MHz Start Freq 701.000000 MHz Stop Freq 721.000000 MHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 711.00 MHz Span 20 MHz Res BW 110 kHz VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9244 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -5.368 kHz x dB Bandwidth 9.555 MHz Copyright 2000-2006 Agilent Technologies

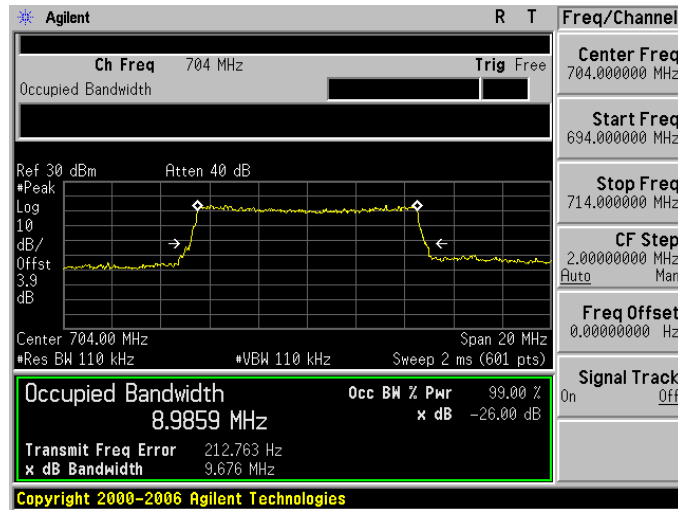
LTE Band 12 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
669.7 MHz	 Agilent R T Freq/Channel Ch Freq 699.7 MHz Trig Free Center Freq 699.700000 MHz Start Freq 698.200000 MHz Stop Freq 701.200000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 699.700 MHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0773 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -713.094 Hz x dB Bandwidth 1.203 MHz Copyright 2000-2006 Agilent Technologies
707.5 MHz	 Agilent R T Freq/Channel Ch Freq 707.5 MHz Trig Free Center Freq 707.500000 MHz Start Freq 706.000000 MHz Stop Freq 709.000000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 707.500 MHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0757 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 385.003 Hz x dB Bandwidth 1.221 MHz Copyright 2000-2006 Agilent Technologies
715.3 MHz	 Agilent R T Freq/Channel Ch Freq 715.3 MHz Trig Free Center Freq 715.300000 MHz Start Freq 713.800000 MHz Stop Freq 716.800000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 715.300 MHz Span 3 MHz Res BW 15 kHz VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0789 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 801.529 Hz x dB Bandwidth 1.223 MHz Copyright 2000-2006 Agilent Technologies

LTE Band 12 (Channel Bandwidth: 3 MHz) _ 16QAM	
700.5 MHz	 Copyright 2000-2006 Agilent Technologies
707.5 MHz	 Copyright 2000-2006 Agilent Technologies
714.5 MHz	 Copyright 2000-2006 Agilent Technologies

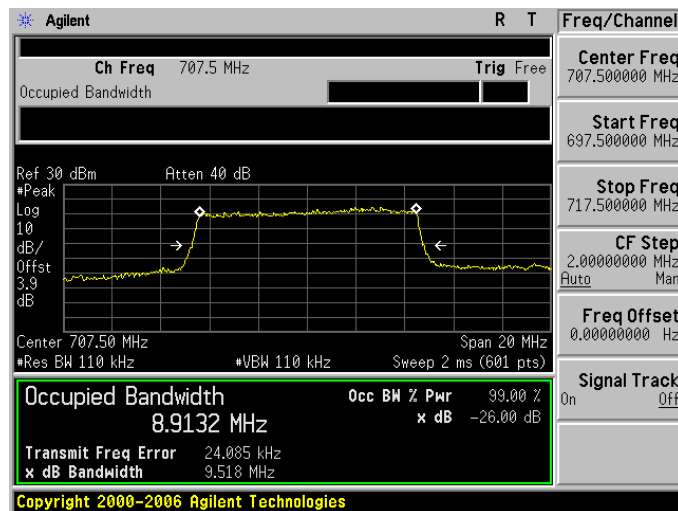
LTE Band 12 (Channel Bandwidth: 5 MHz) _ 16QAM	
701.5 MHz	 Agilent R T Freq/Channel Ch Freq 701.5 MHz Trig Free Occupied Bandwidth Ref 30 dBm Atten 40 dB Peak Log 10 dB/ Offst 3.9 dB Center 701.50 MHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4737 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -8.733 kHz x dB Bandwidth 4.811 MHz Copyright 2000-2006 Agilent Technologies Freq/Channel Center Freq 701.500000 MHz Start Freq 696.500000 MHz Stop Freq 706.500000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
707.5 MHz	 Agilent R T Freq/Channel Ch Freq 707.5 MHz Trig Free Occupied Bandwidth Ref 30 dBm Atten 40 dB Peak Log 10 dB/ Offst 3.9 dB Center 707.50 MHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4704 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 17.991 kHz x dB Bandwidth 4.862 MHz Copyright 2000-2006 Agilent Technologies Freq/Channel Center Freq 707.500000 MHz Start Freq 702.500000 MHz Stop Freq 712.500000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off
713.5 MHz	 Agilent R T Freq/Channel Ch Freq 713.5 MHz Trig Free Occupied Bandwidth Ref 30 dBm Atten 40 dB Peak Log 10 dB/ Offst 3.9 dB Center 713.50 MHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4677 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -3.930 kHz x dB Bandwidth 4.829 MHz Copyright 2000-2006 Agilent Technologies Freq/Channel Center Freq 713.500000 MHz Start Freq 708.500000 MHz Stop Freq 718.500000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off

LTE Band 12 (Channel Bandwidth: 10 MHz) _ 16QAM

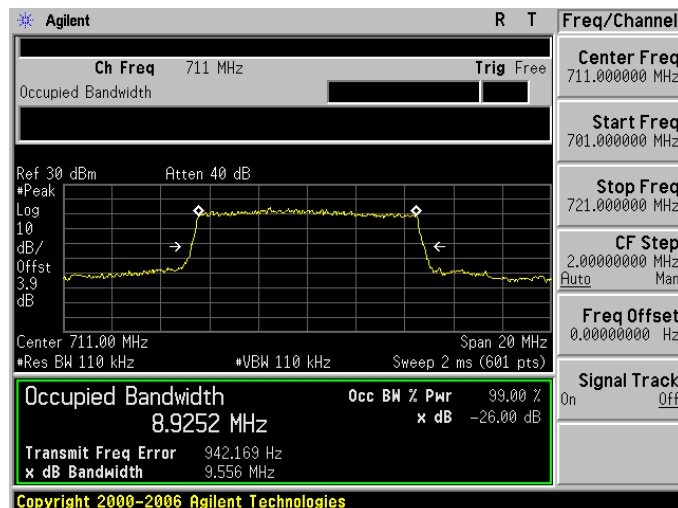
704.0 MHz

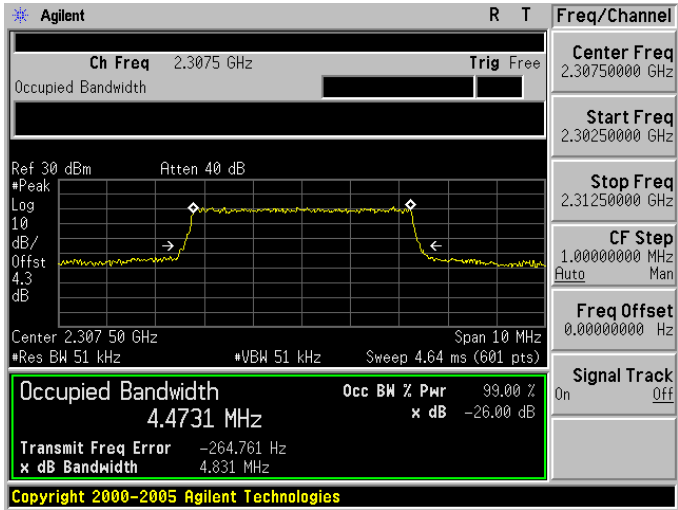
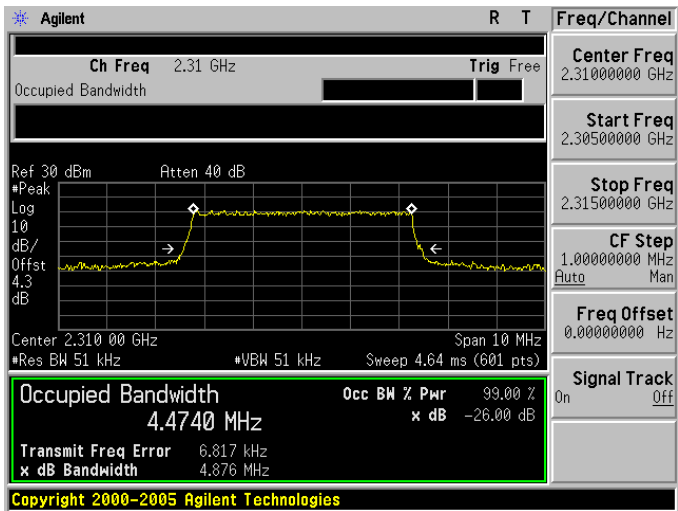
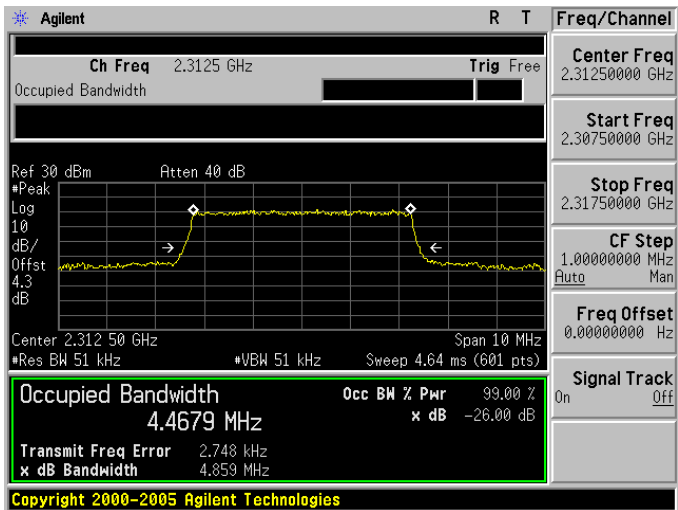


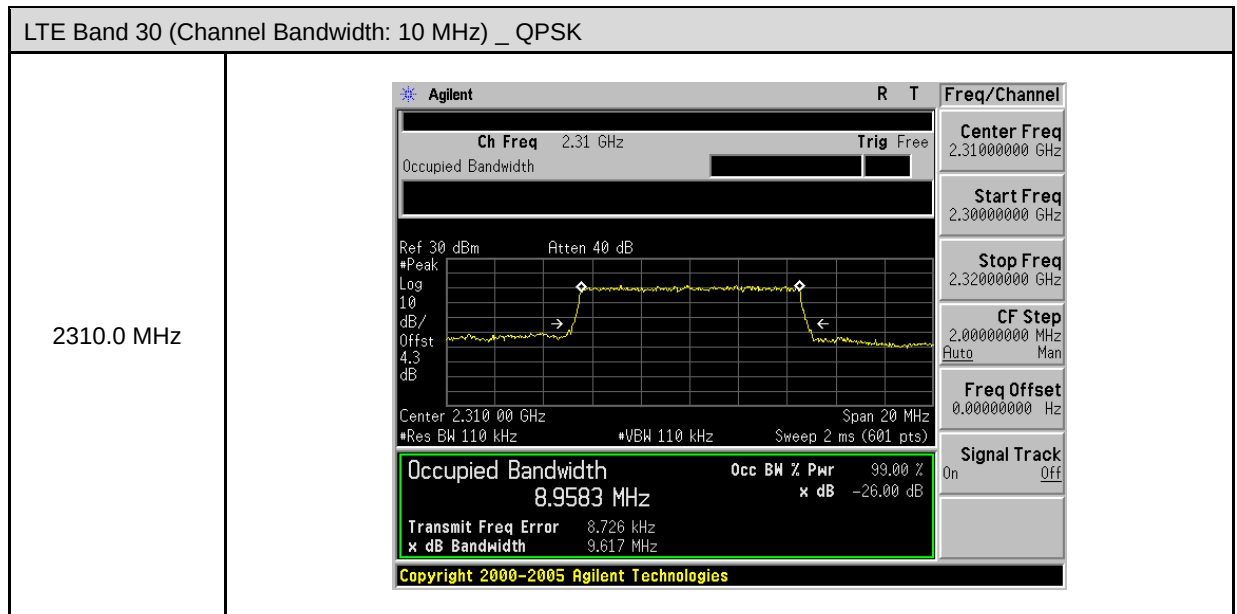
707.5 MHz



711.0 MHz

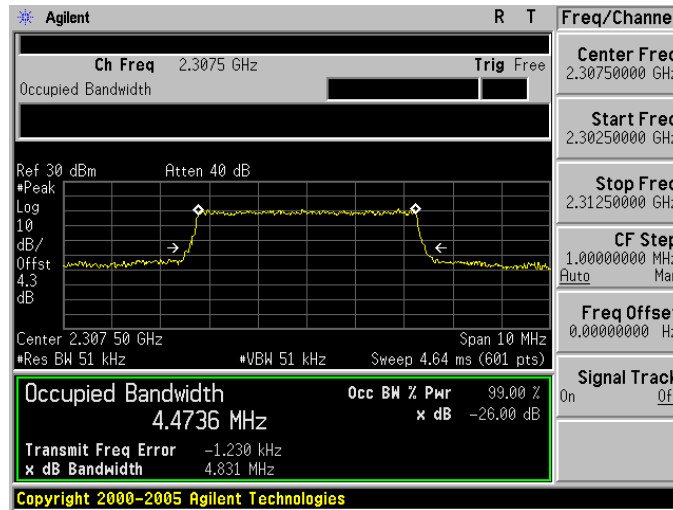


LTE Band 30 (Channel Bandwidth: 5 MHz) _ QPSK	
2307.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.3075 GHz Trig Free Center Freq 2.30750000 GHz Start Freq 2.30250000 GHz Stop Freq 2.31250000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.307 50 GHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4731 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -264.761 Hz x dB Bandwidth 4.831 MHz Copyright 2000-2005 Agilent Technologies
2310.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.31 GHz Trig Free Center Freq 2.31000000 GHz Start Freq 2.30500000 GHz Stop Freq 2.31500000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.310 00 GHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4740 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 6.817 kHz x dB Bandwidth 4.876 MHz Copyright 2000-2005 Agilent Technologies
2312.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.3125 GHz Trig Free Center Freq 2.31250000 GHz Start Freq 2.30750000 GHz Stop Freq 2.31750000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 4.3 dB Center 2.312 50 GHz Span 10 MHz Res BW 51 kHz VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4679 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.748 kHz x dB Bandwidth 4.859 MHz Copyright 2000-2005 Agilent Technologies

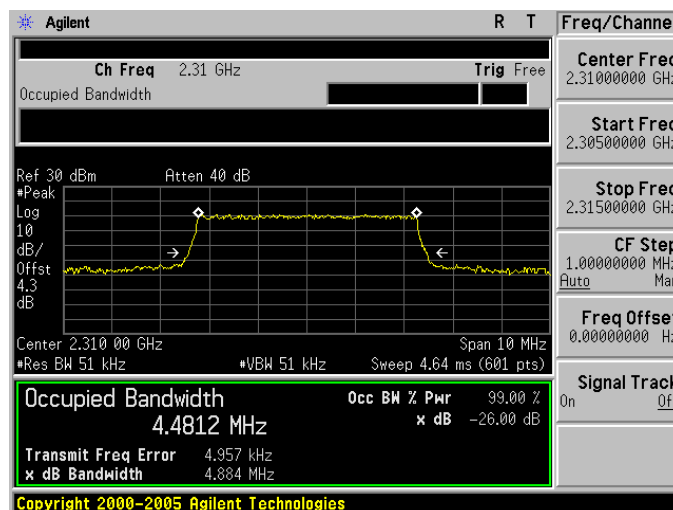


LTE Band 30 (Channel Bandwidth: 5 MHz) _ 16QAM

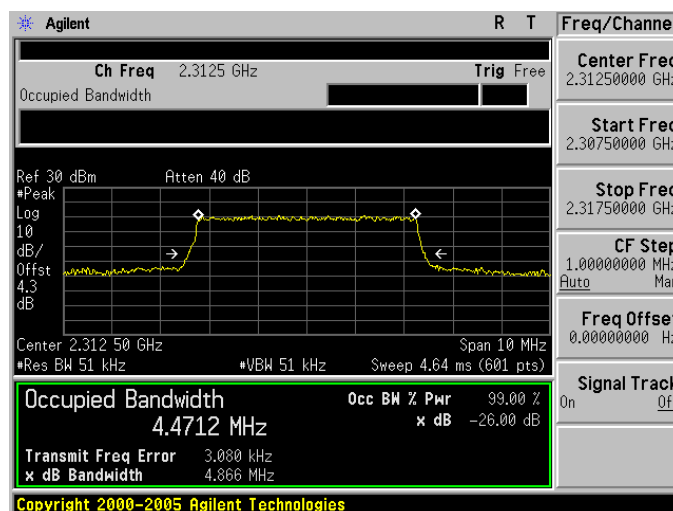
2307.5 MHz

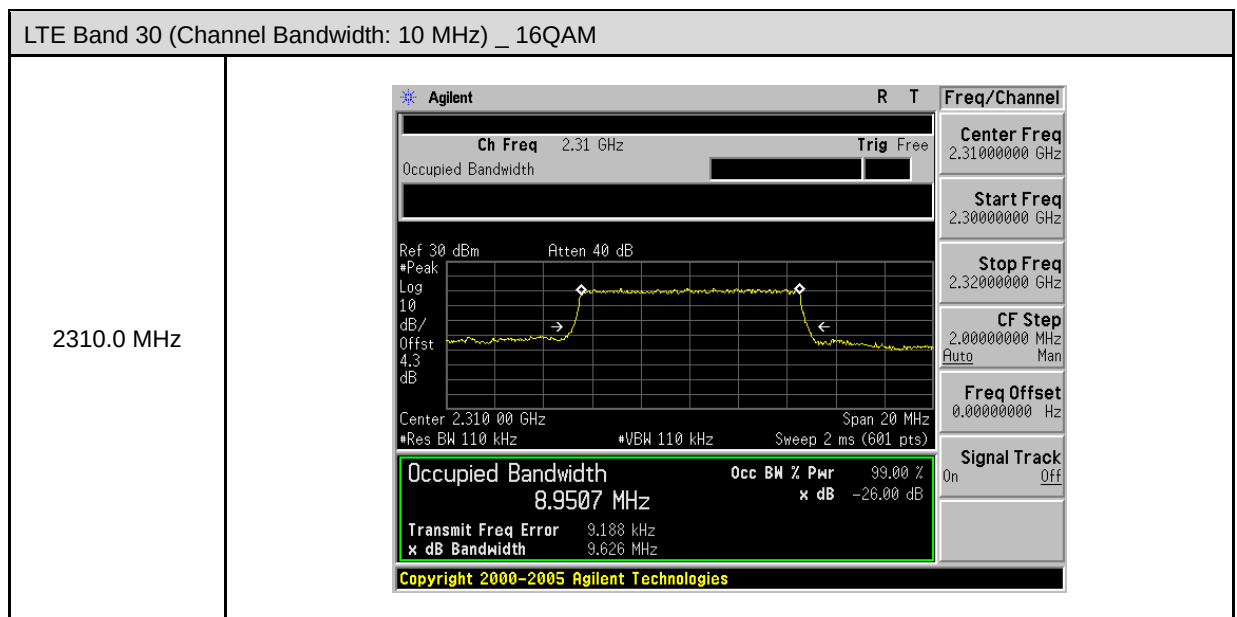


2310.0 MHz



2312.5 MHz





6 Peak to Average Ratio Test

6.1. Limit

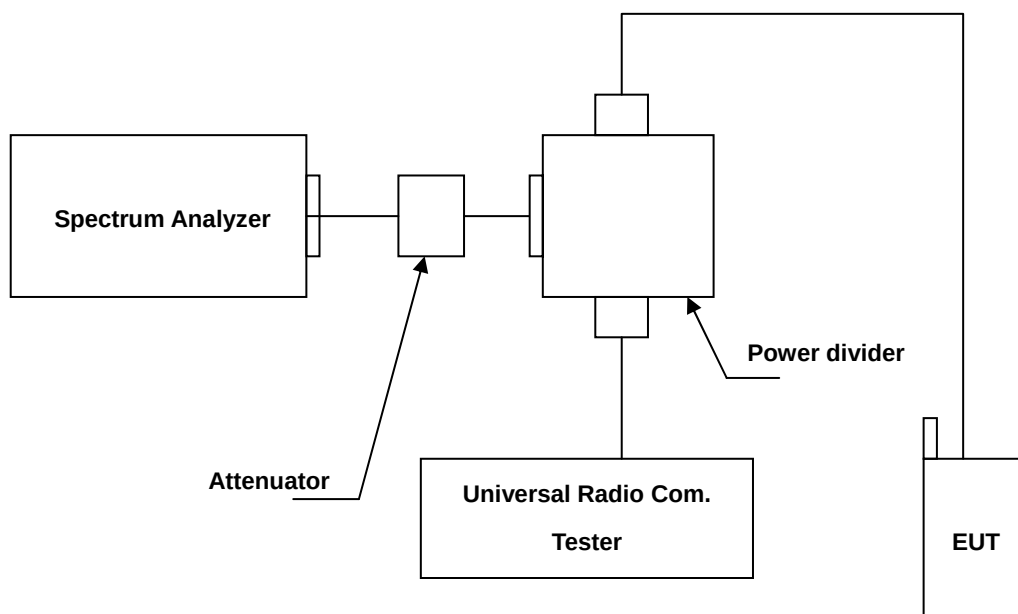
In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB.

6.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Period
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/14/2015	1 year
Wideband Radio Communication Test	R & S	CMW500	103168	10/30/2015	1 year
Attenuator	RADIAL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

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	AC815S
Test Item	Peak to Average Ratio
Date of Test	11/05/2015, 12/03/2015

LTE Band 2				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	1880.0	4.37	< 13
	3 MHz	1880.0	4.02	< 13
	5 MHz	1880.0	3.96	< 13
	10 MHz	1880.0	3.83	< 13
	15 MHz	1880.0	4.00	< 13
	20 MHz	1880.0	3.96	< 13
16QAM	1.4 MHz	1880.0	5.26	< 13
	3 MHz	1880.0	4.85	< 13
	5 MHz	1880.0	4.87	< 13
	10 MHz	1880.0	4.63	< 13
	15 MHz	1880.0	4.75	< 13
	20 MHz	1880.0	4.76	< 13

LTE Band 4				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	1732.5	4.19	< 13
	3 MHz	1732.5	4.10	< 13
	5 MHz	1732.5	4.03	< 13
	10 MHz	1732.5	4.11	< 13
	15 MHz	1732.5	4.30	< 13
	20 MHz	1732.5	4.25	< 13
16QAM	1.4 MHz	1732.5	5.10	< 13
	3 MHz	1732.5	4.94	< 13
	5 MHz	1732.5	5.01	< 13
	10 MHz	1732.5	4.86	< 13
	15 MHz	1732.5	5.09	< 13
	20 MHz	1732.5	5.06	< 13

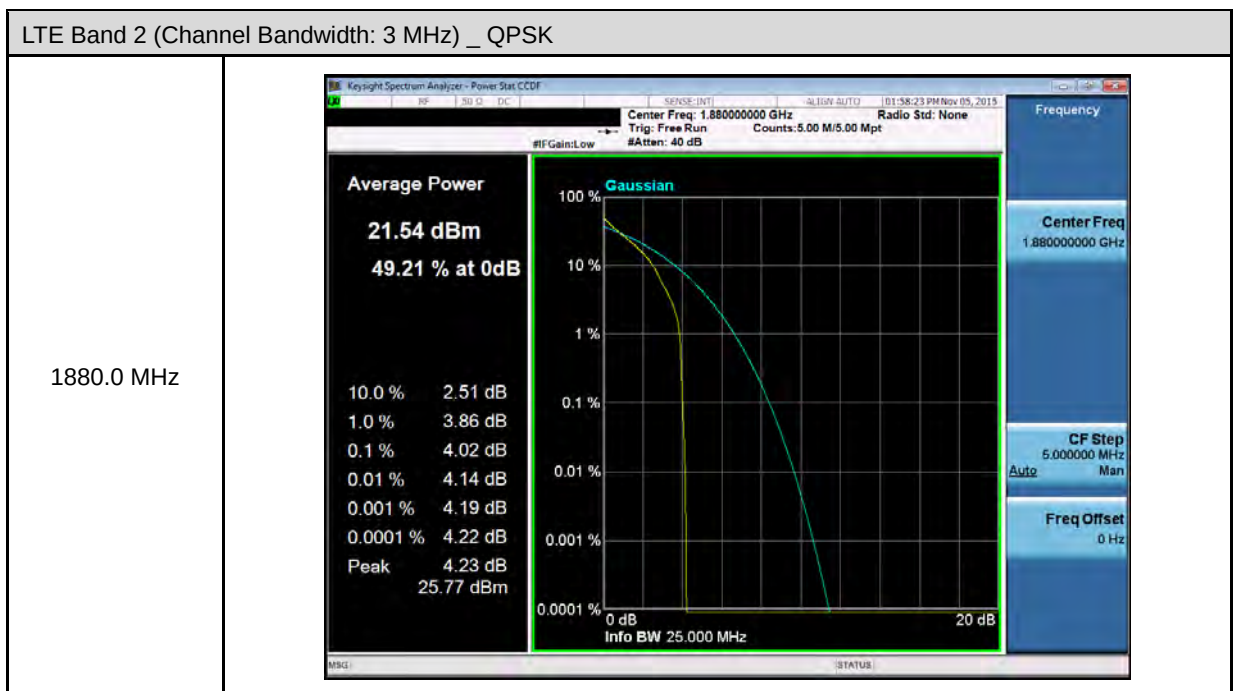
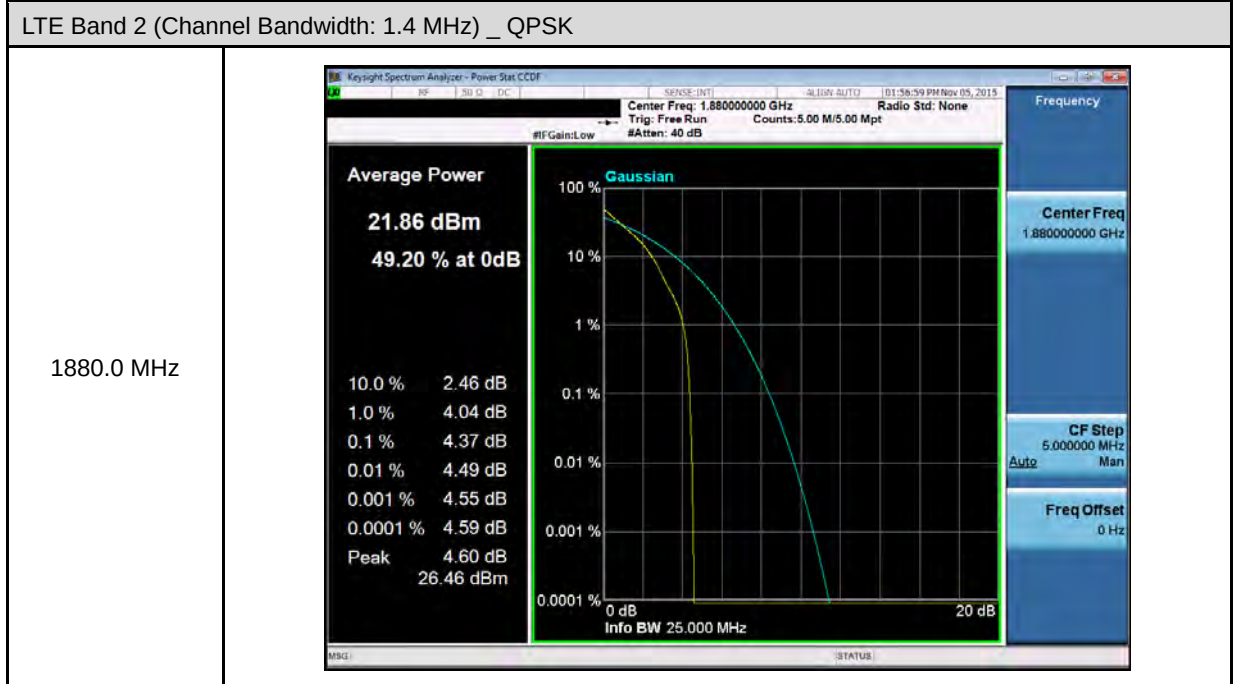
LTE Band 5				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	836.5	4.42	< 13
	3 MHz	836.5	4.35	< 13
	5 MHz	836.5	4.30	< 13
	10 MHz	836.5	4.15	< 13
16QAM	1.4 MHz	836.5	5.33	< 13
	3 MHz	836.5	5.18	< 13
	5 MHz	836.5	5.21	< 13
	10 MHz	836.5	5.09	< 13

LTE Band 7				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	5 MHz	2535.0	4.10	< 13
	10 MHz	2535.0	3.90	< 13
	15 MHz	2535.0	4.03	< 13
	20 MHz	2535.0	3.86	< 13
16QAM	5 MHz	2535.0	5.06	< 13
	10 MHz	2535.0	4.69	< 13
	15 MHz	2535.0	4.70	< 13
	20 MHz	2535.0	4.64	< 13

LTE Band 12				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	707.5	3.66	< 13
	3 MHz	707.5	3.50	< 13
	5 MHz	707.5	3.40	< 13
	10 MHz	707.5	3.40	< 13
16QAM	1.4 MHz	707.5	4.27	< 13
	3 MHz	707.5	4.13	< 13
	5 MHz	707.5	4.08	< 13
	10 MHz	707.5	3.99	< 13

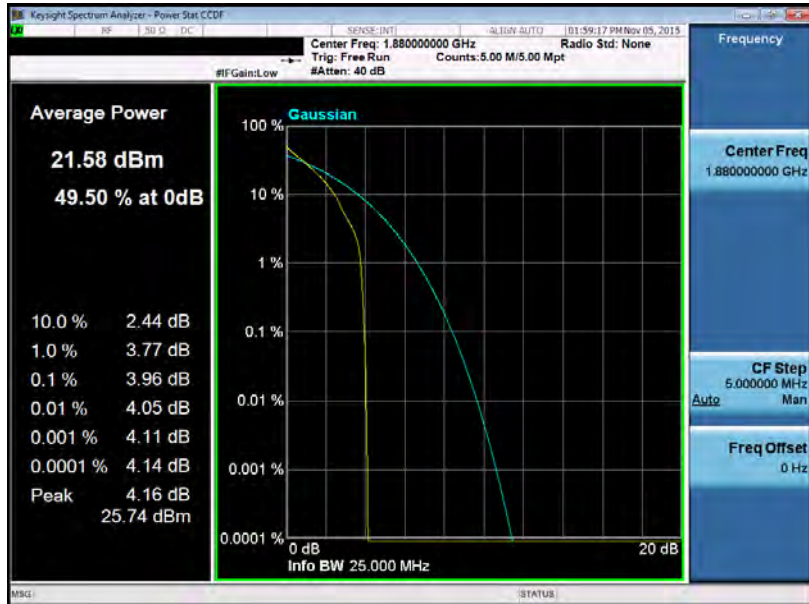
LTE Band 30				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	5 MHz	2310.0	4.19	< 13
	10 MHz	2310.0	4.07	< 13
16QAM	5 MHz	2310.0	5.06	< 13
	10 MHz	2310.0	4.91	< 13

6.7. Test Graphs



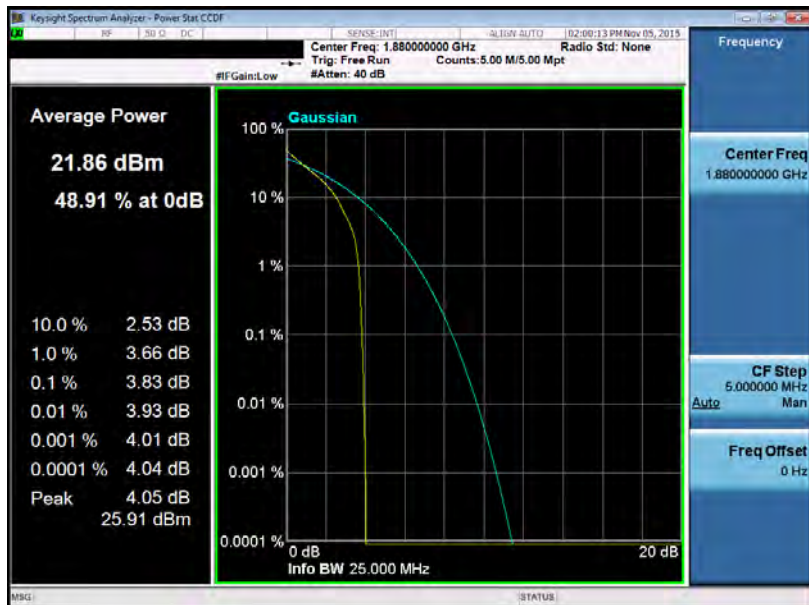
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK

1880.0 MHz



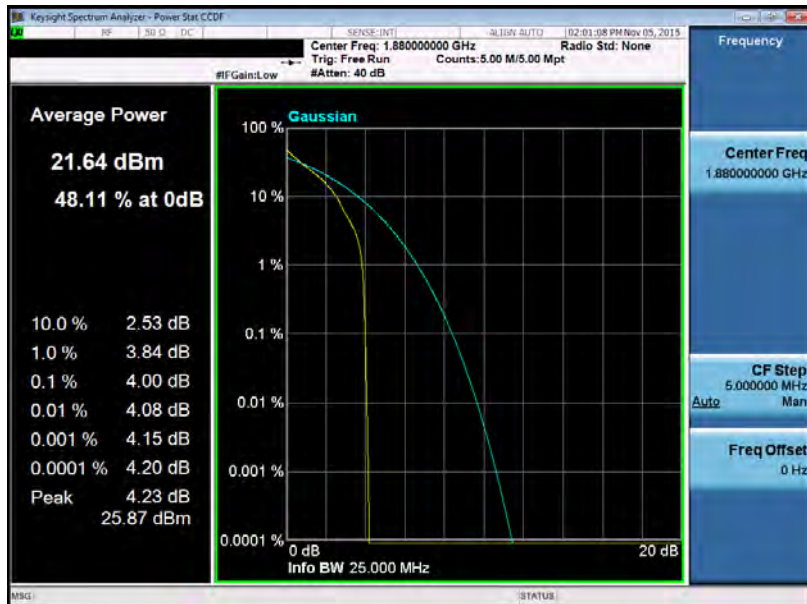
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK

1880.0 MHz



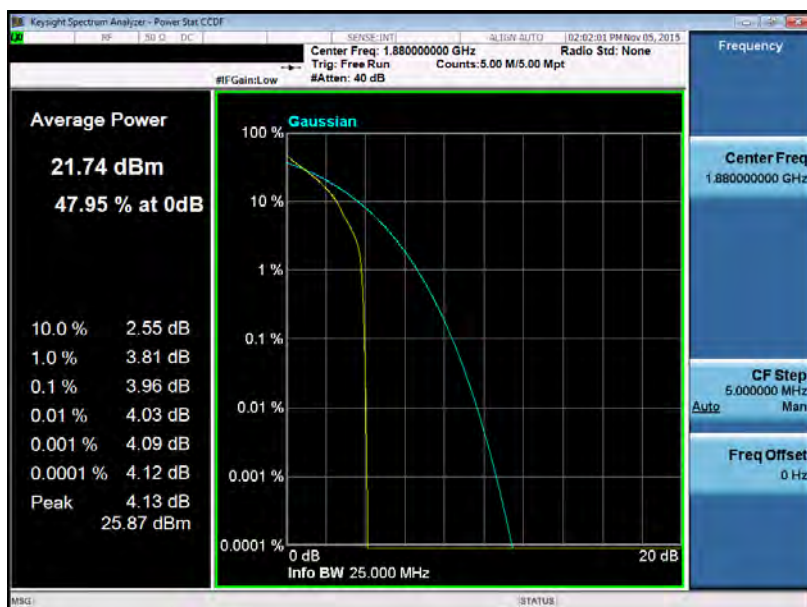
LTE Band 2 (Channel Bandwidth: 15 MHz) _ QPSK

1880.0 MHz



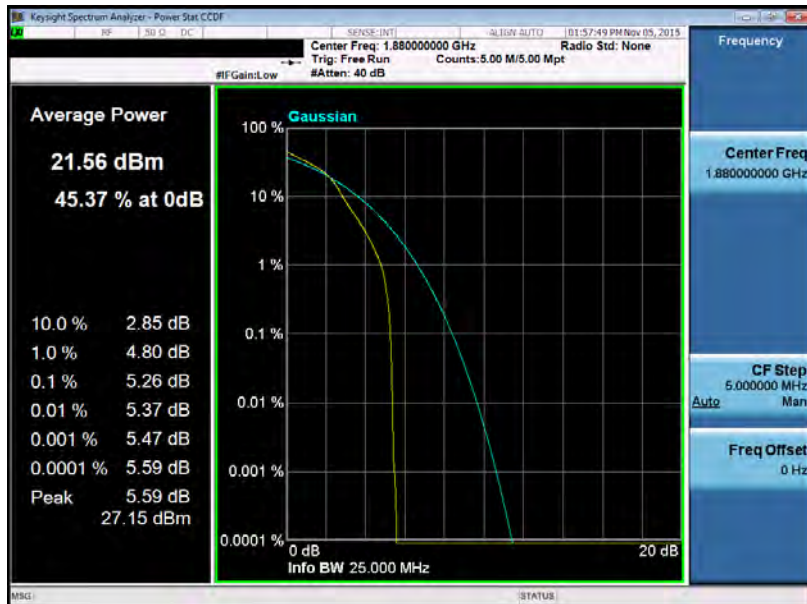
LTE Band 2 (Channel Bandwidth: 20 MHz) _ QPSK

1880.0 MHz



LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ 16QAM

1880.0 MHz



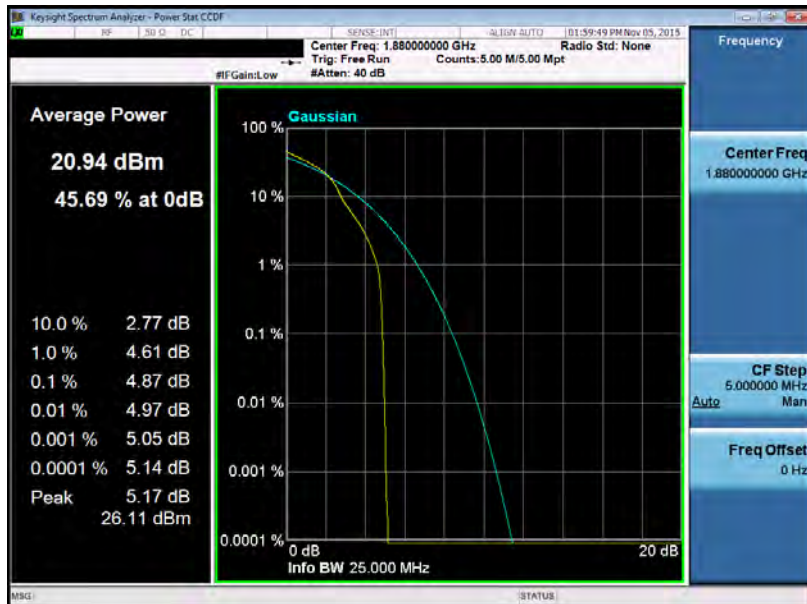
LTE Band 2 (Channel Bandwidth: 3 MHz) _ 16QAM

1880.0 MHz



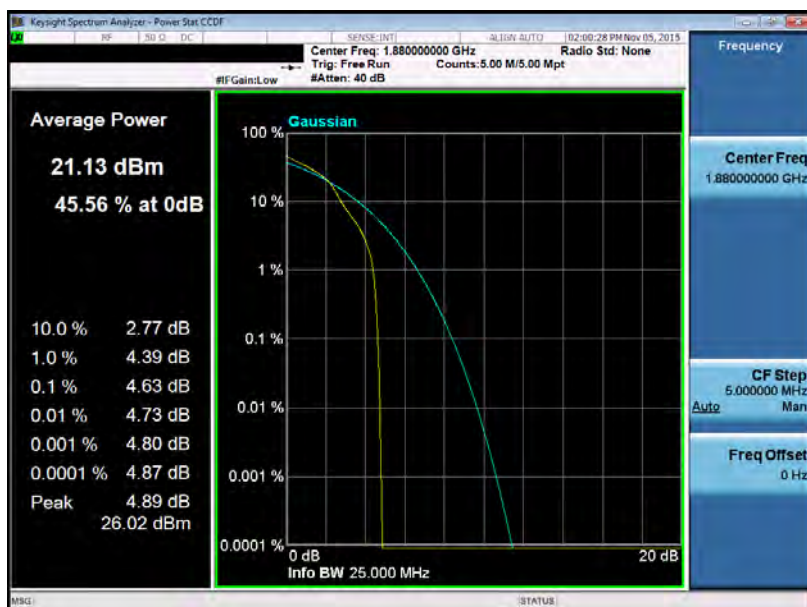
LTE Band 2 (Channel Bandwidth: 5 MHz) _ 16QAM

1880.0 MHz



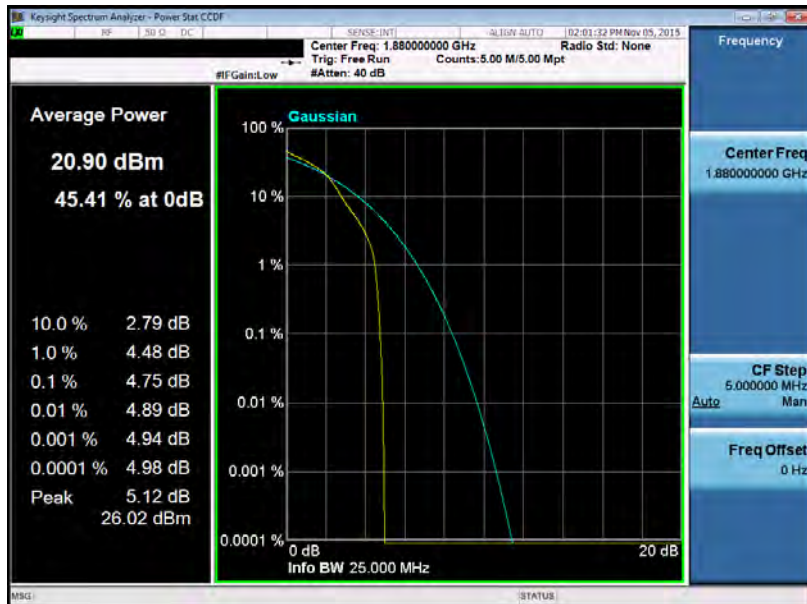
LTE Band 2 (Channel Bandwidth: 10 MHz) _ 16QAM

1880.0 MHz



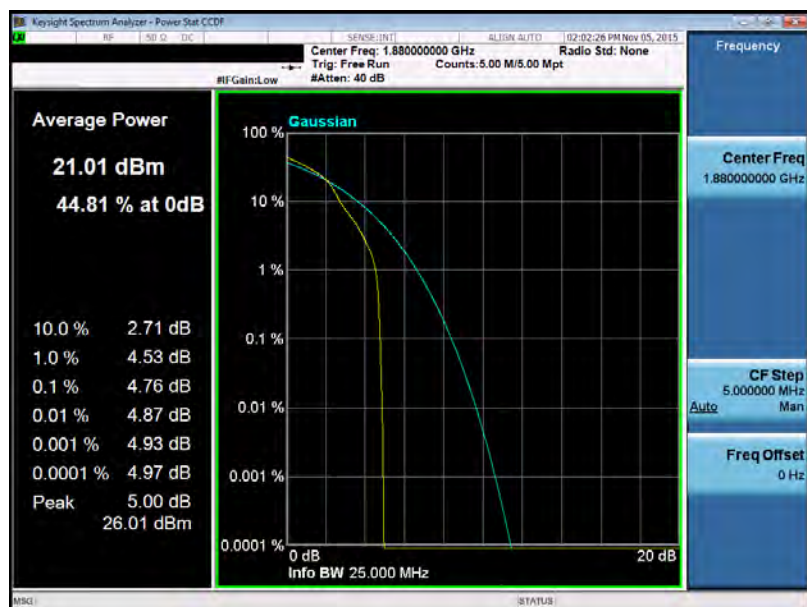
LTE Band 2 (Channel Bandwidth: 15 MHz) _ 16QAM

1880.0 MHz



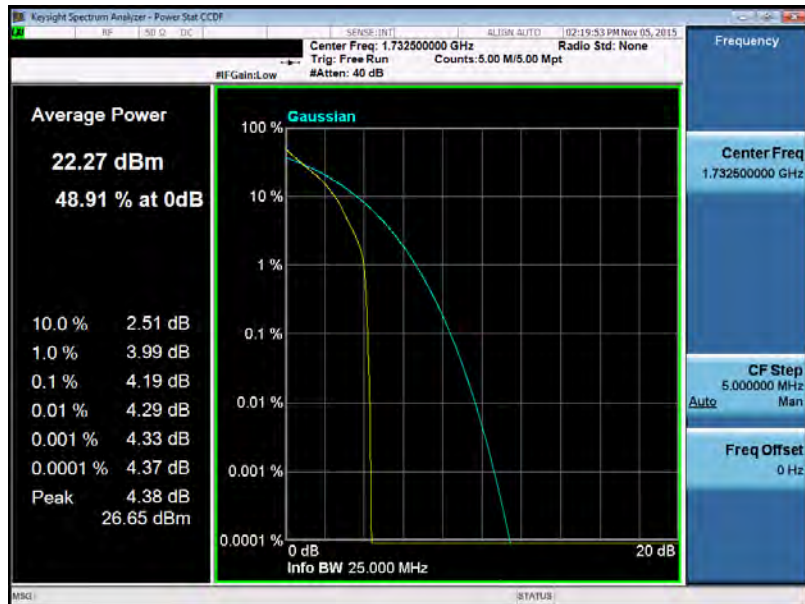
LTE Band 2 (Channel Bandwidth: 20 MHz) _ 16QAM

1880.0 MHz



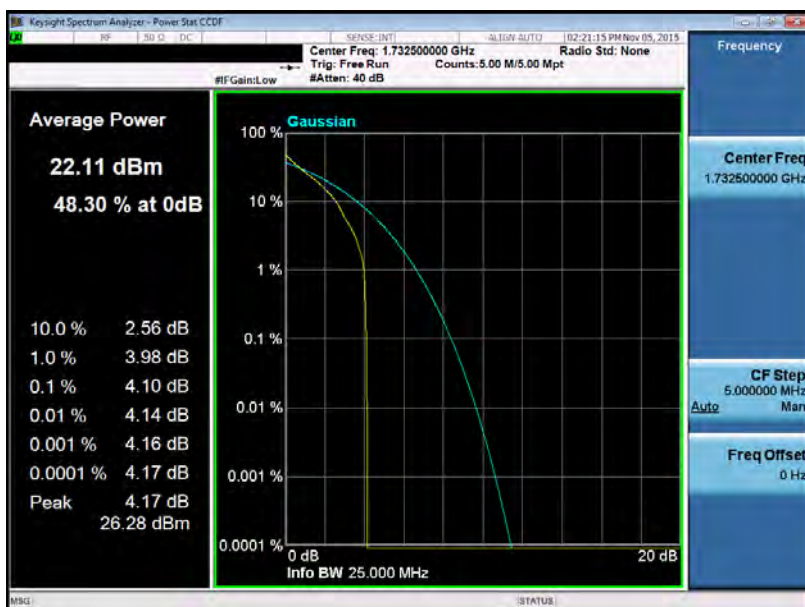
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ QPSK

1732.5 MHz



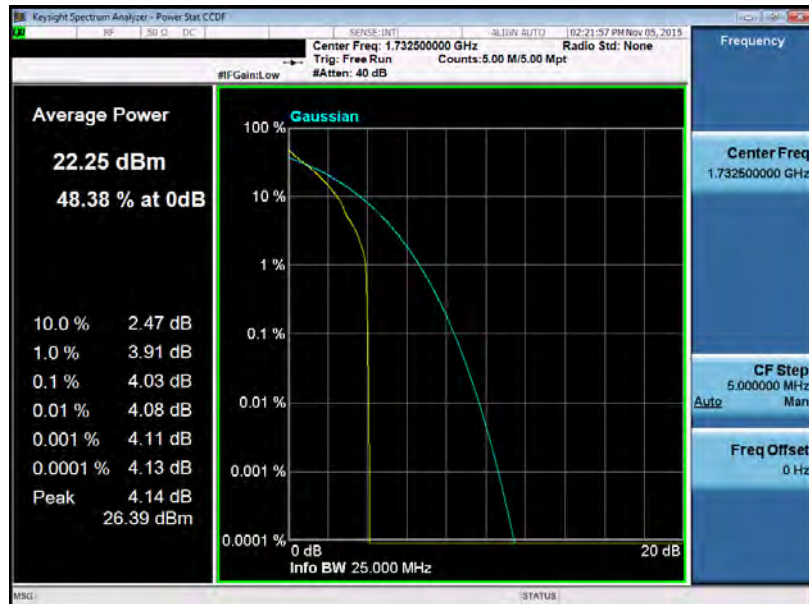
LTE Band 4 (Channel Bandwidth: 3 MHz) _ QPSK

1732.5 MHz



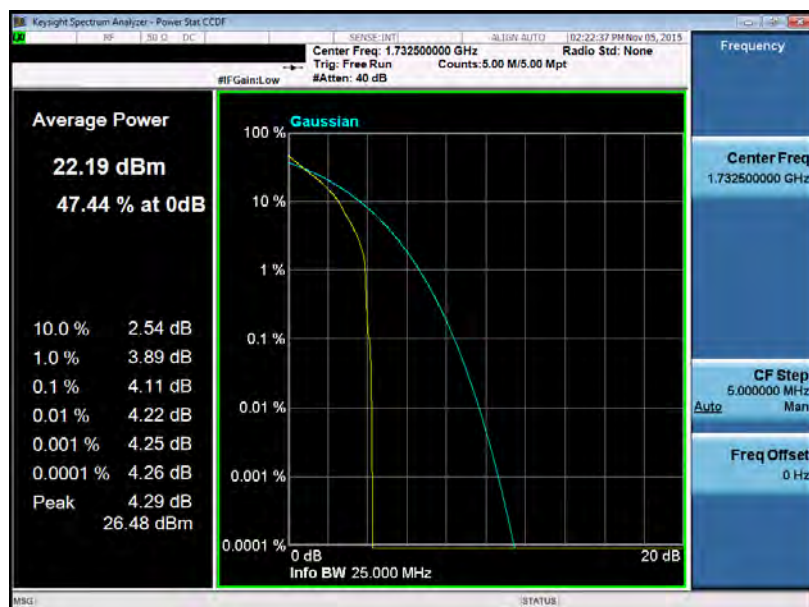
LTE Band 4 (Channel Bandwidth: 5 MHz) _ QPSK

1732.5 MHz



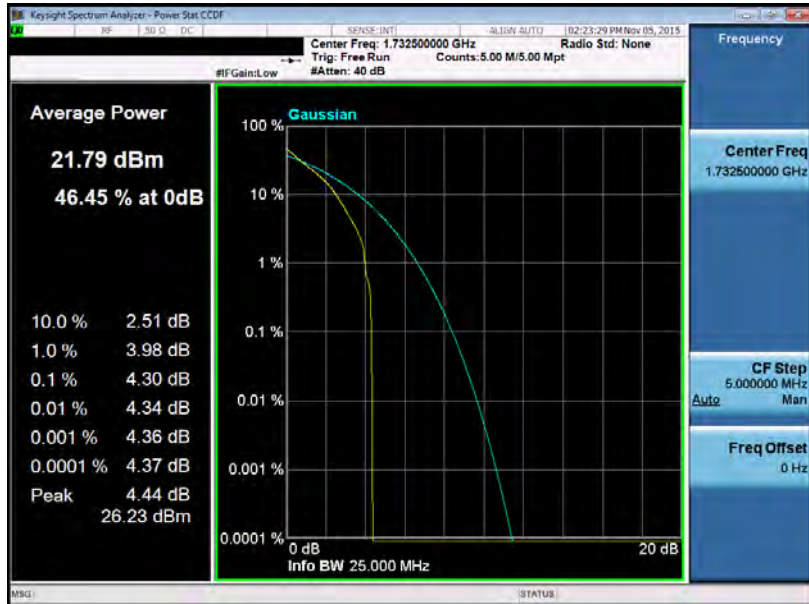
LTE Band 4 (Channel Bandwidth: 10 MHz) _ QPSK

1732.5 MHz



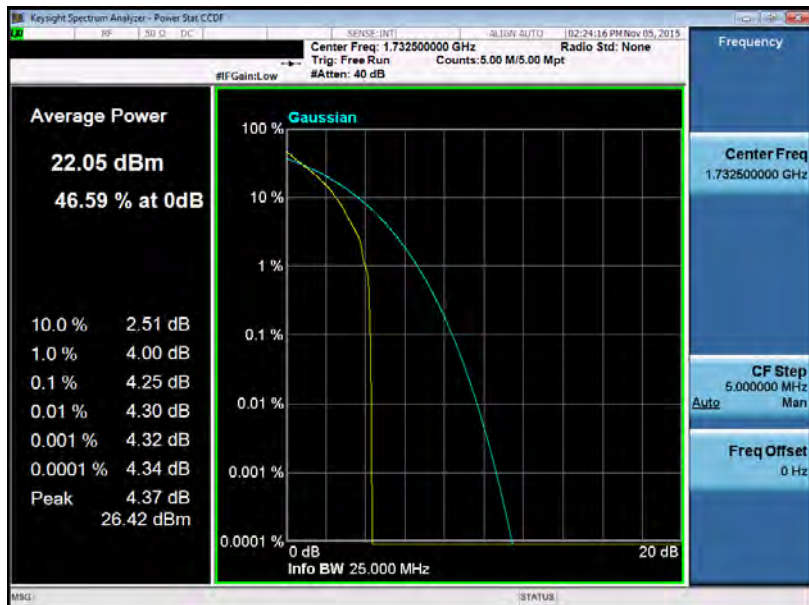
LTE Band 4 (Channel Bandwidth: 15 MHz) _ QPSK

1732.5 MHz



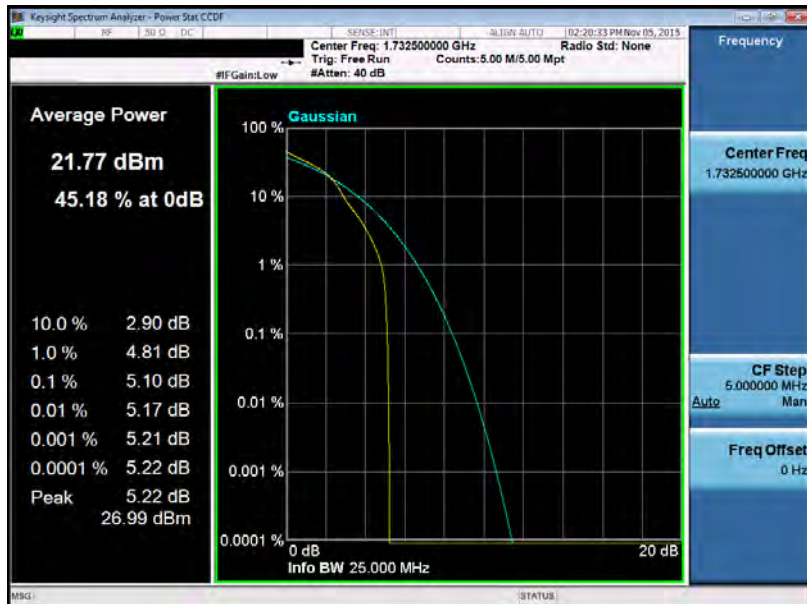
LTE Band 4 (Channel Bandwidth: 20 MHz) _ QPSK

1732.5 MHz



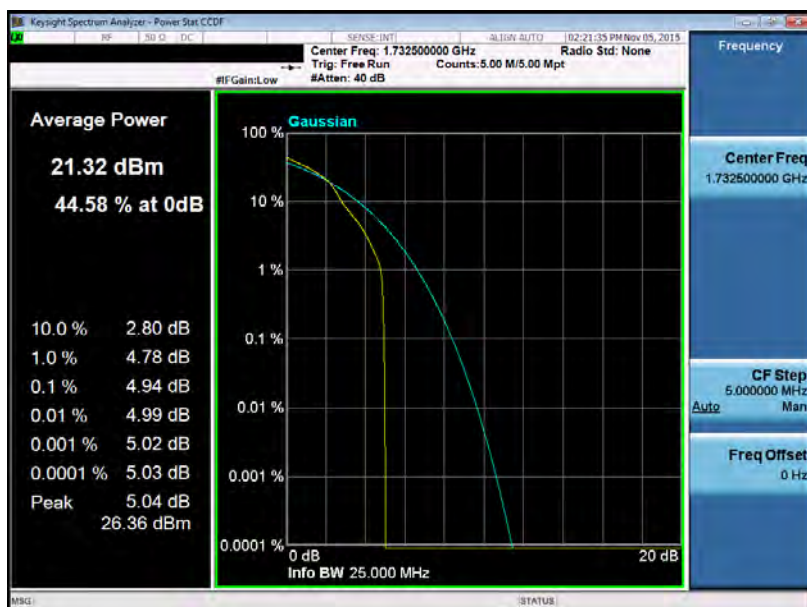
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ 16QAM

1732.5 MHz



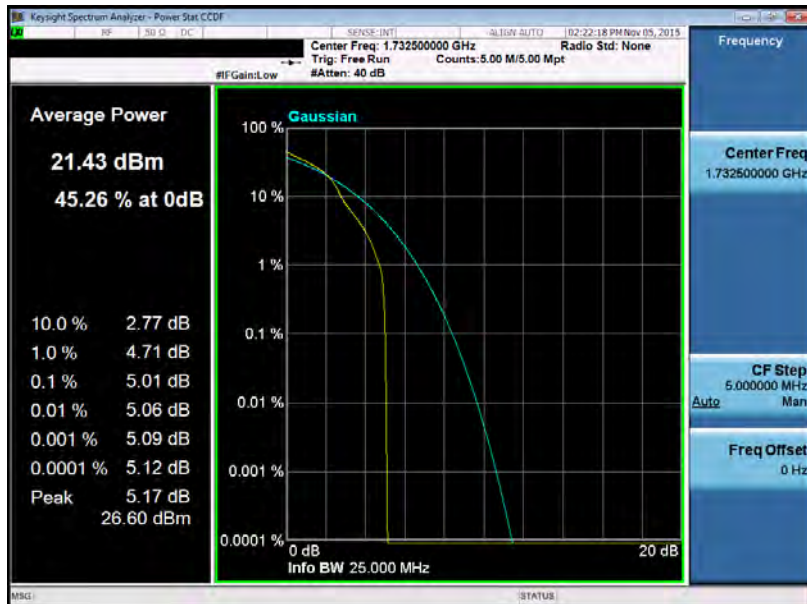
LTE Band 4 (Channel Bandwidth: 3 MHz) _ 16QAM

1732.5 MHz



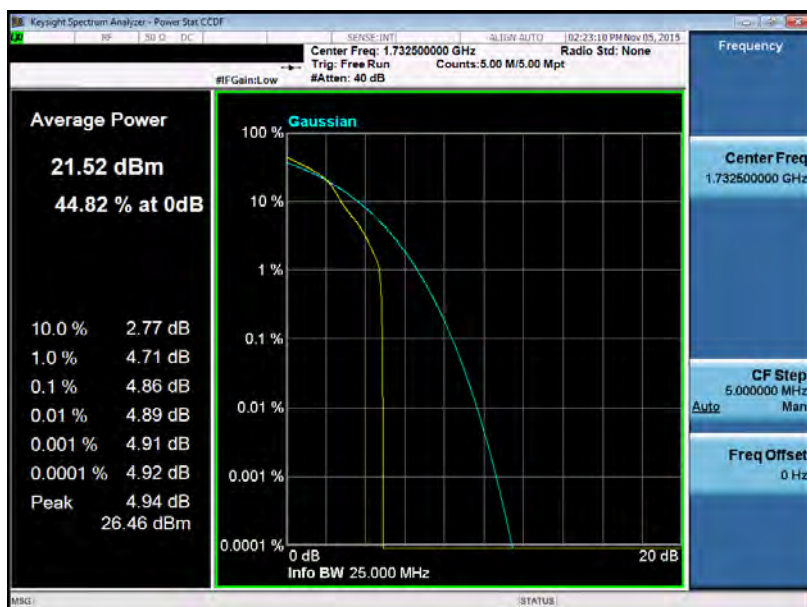
LTE Band 4 (Channel Bandwidth: 5 MHz) _ 16QAM

1732.5 MHz



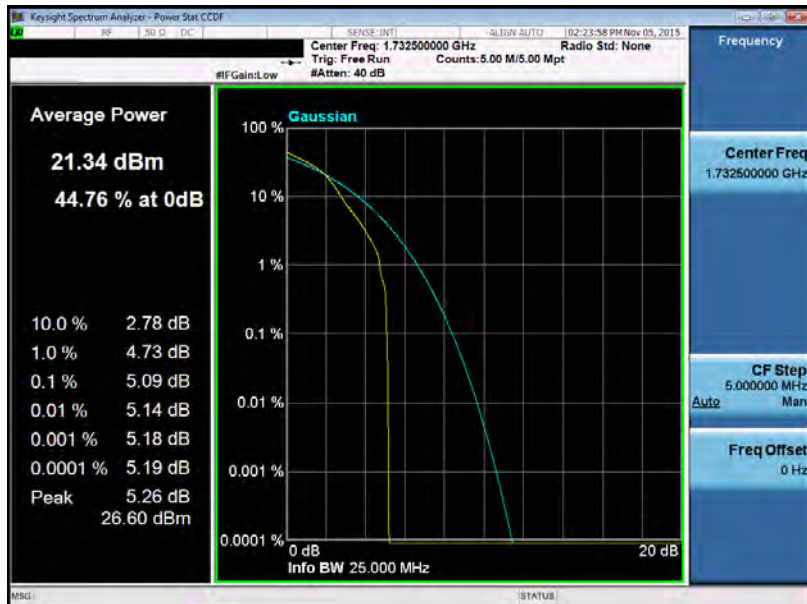
LTE Band 4 (Channel Bandwidth: 10 MHz) _ 16QAM

1732.5 MHz



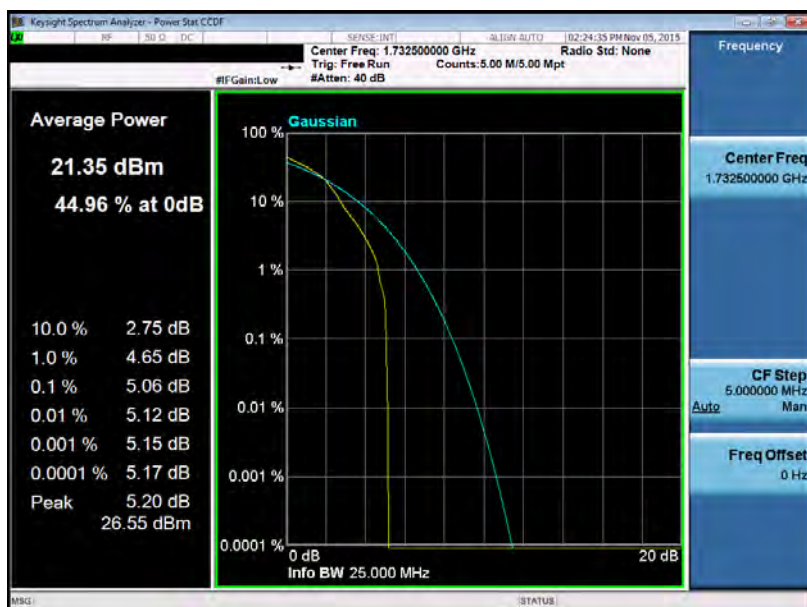
LTE Band 4 (Channel Bandwidth: 15 MHz) _ 16QAM

1732.5 MHz



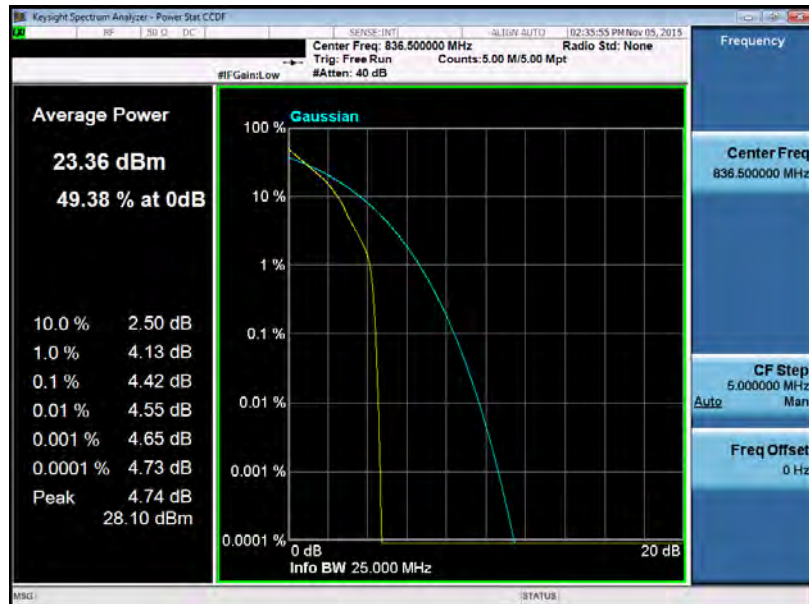
LTE Band 4 (Channel Bandwidth: 20 MHz) _ 16QAM

1732.5 MHz



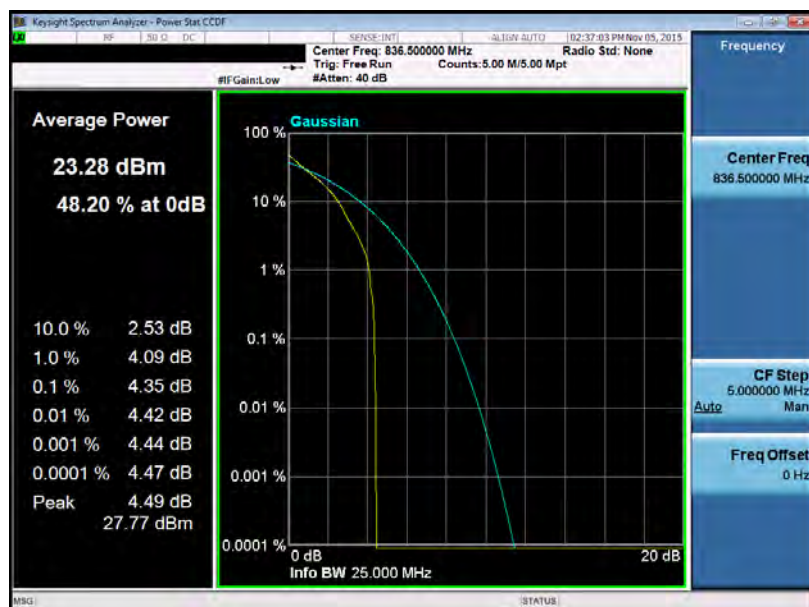
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ QPSK

836.5 MHz



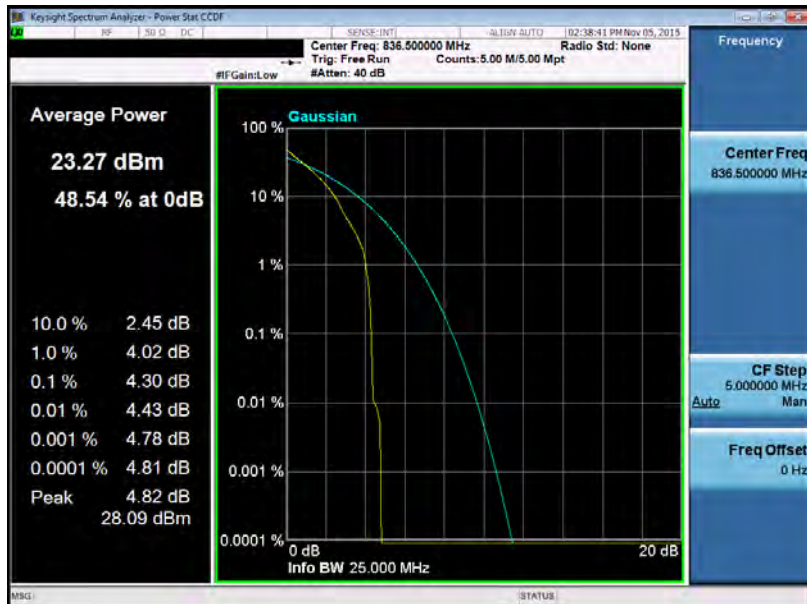
LTE Band 5 (Channel Bandwidth: 3 MHz) _ QPSK

836.5 MHz



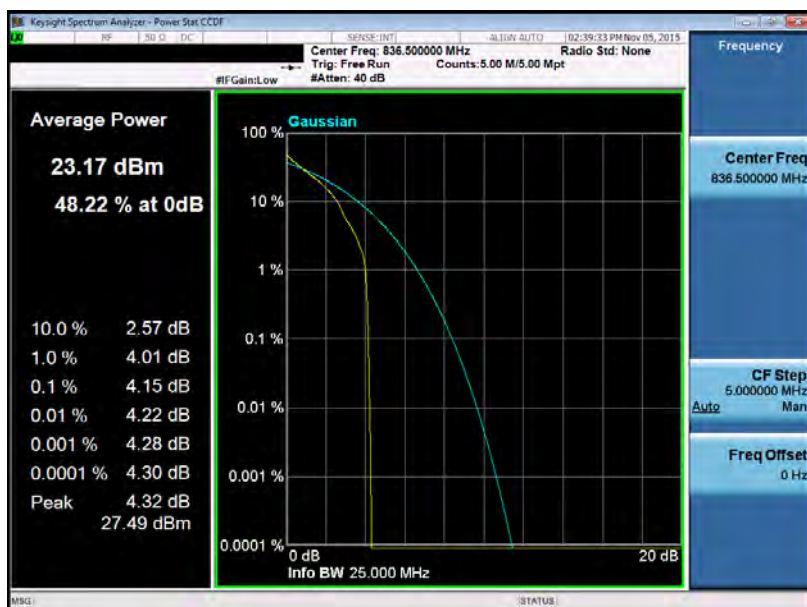
LTE Band 5 (Channel Bandwidth: 5 MHz) _ QPSK

836.5 MHz



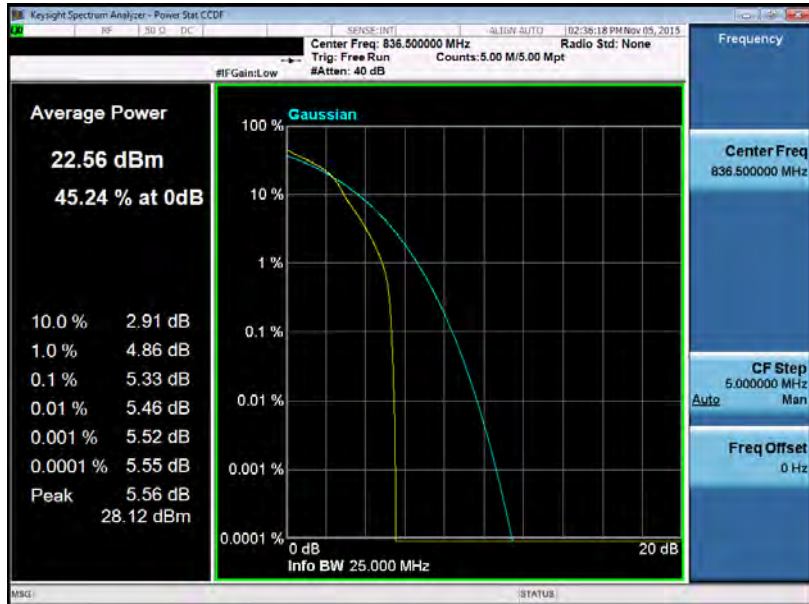
LTE Band 5 (Channel Bandwidth: 10 MHz) _ QPSK

836.5 MHz



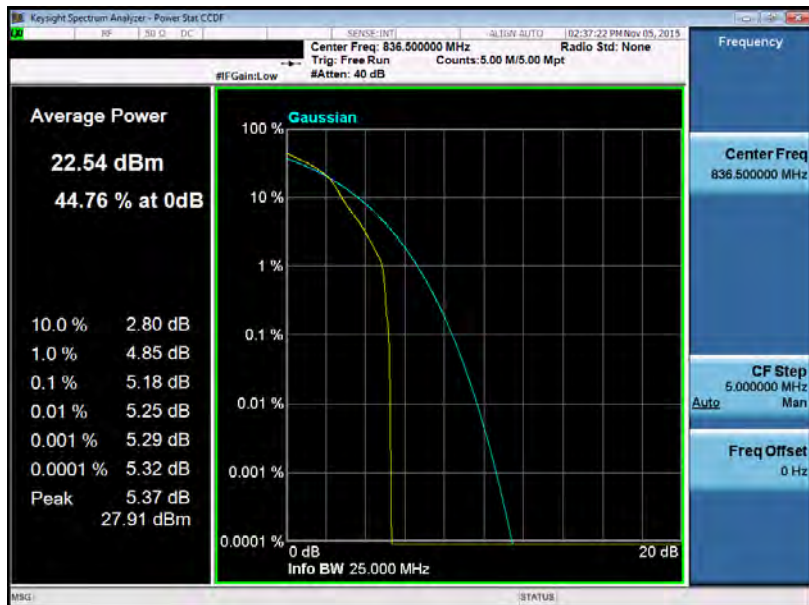
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ 16QAM

836.5 MHz



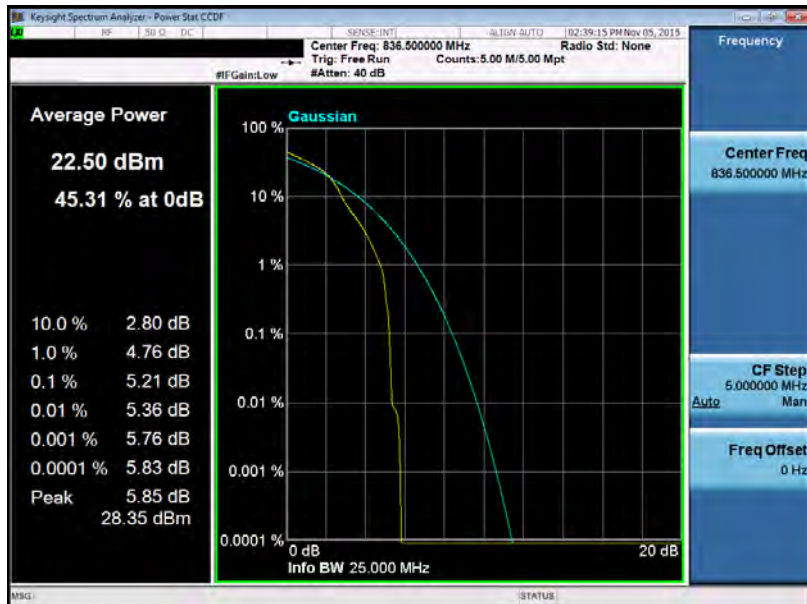
LTE Band 5 (Channel Bandwidth: 3 MHz) _ 16QAM

836.5 MHz



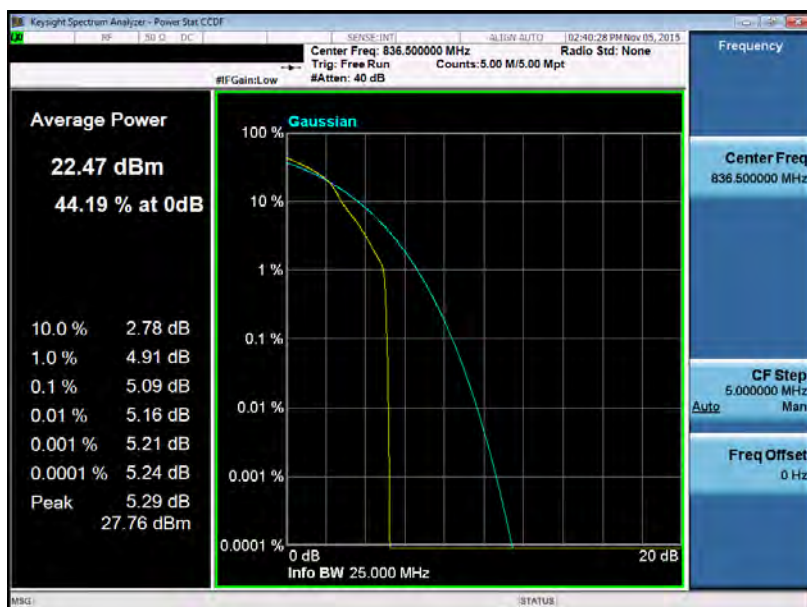
LTE Band 5 (Channel Bandwidth: 5 MHz) _ 16QAM

836.5 MHz



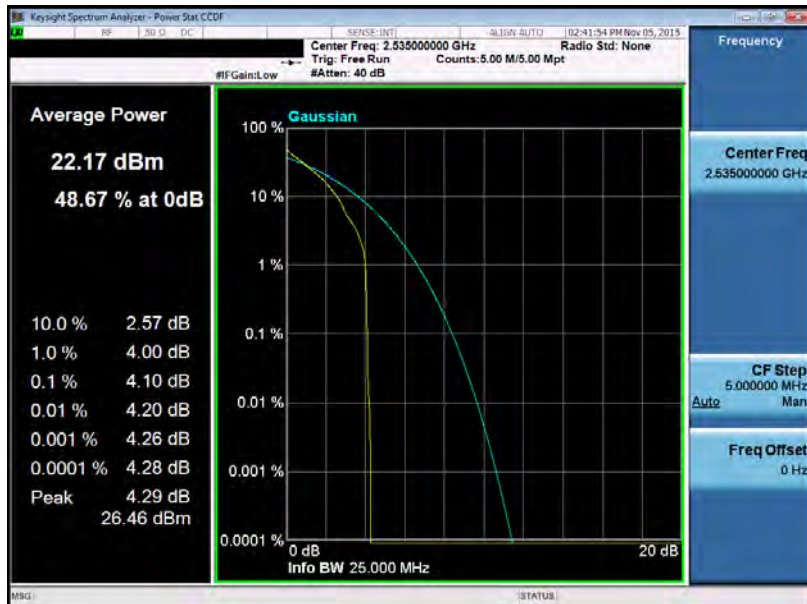
LTE Band 5 (Channel Bandwidth: 10 MHz) _ 16QAM

836.5 MHz



LTE Band 7 (Channel Bandwidth: 5 MHz) _ QPSK

2535.0 MHz



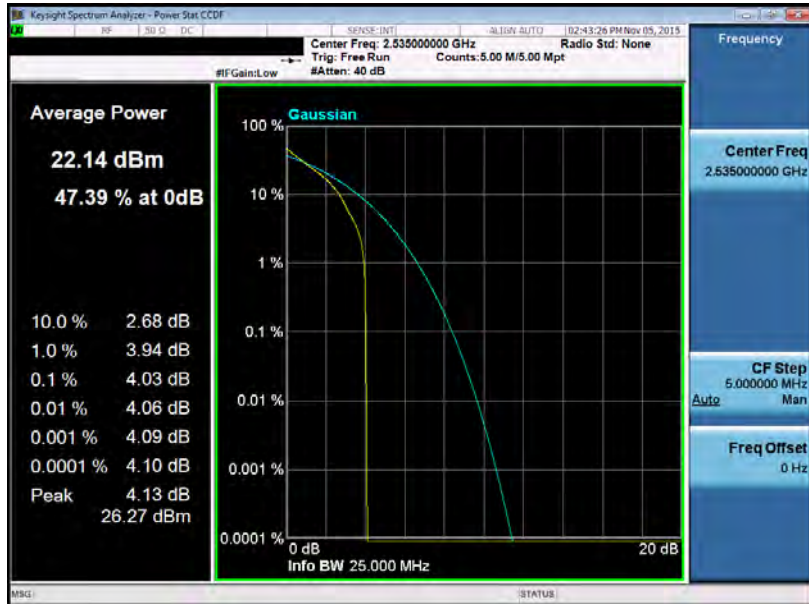
LTE Band 7 (Channel Bandwidth: 10 MHz) _ QPSK

2535.0 MHz



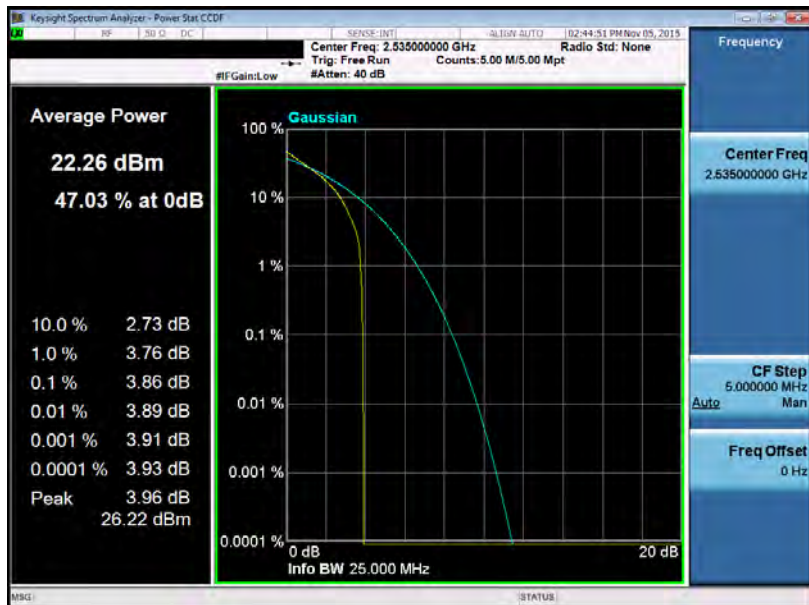
LTE Band 7 (Channel Bandwidth: 15 MHz) _ QPSK

2535.0 MHz



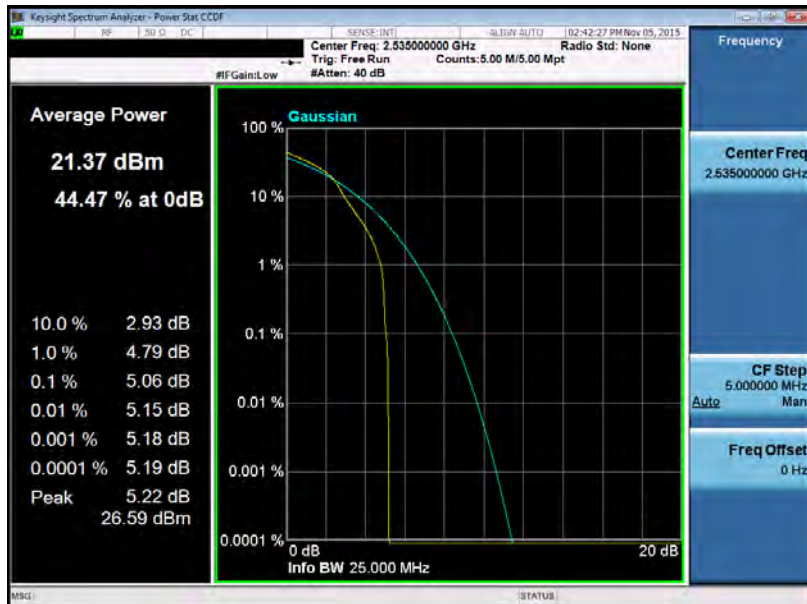
LTE Band 7 (Channel Bandwidth: 20 MHz) _ QPSK

2535.0 MHz



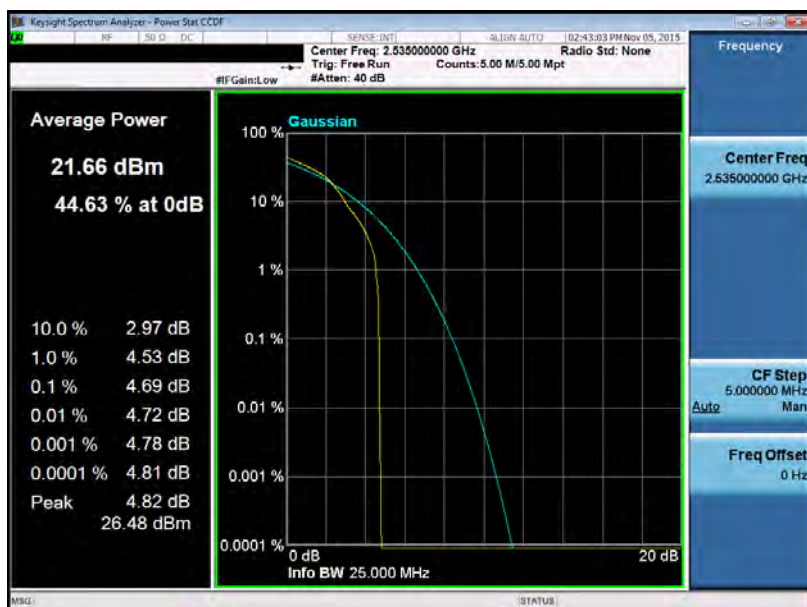
LTE Band 7 (Channel Bandwidth: 5 MHz) _ 16QAM

2535.0 MHz



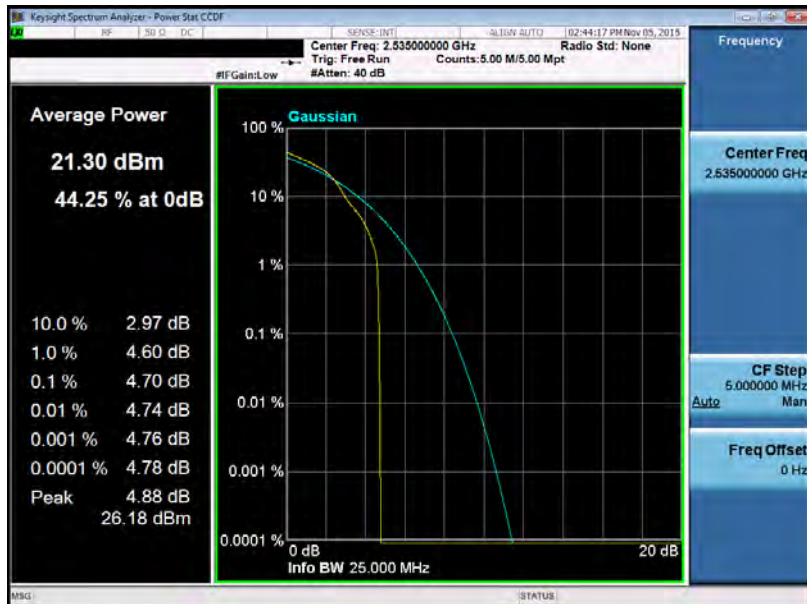
LTE Band 7 (Channel Bandwidth: 10 MHz) _ 16QAM

2535.0 MHz



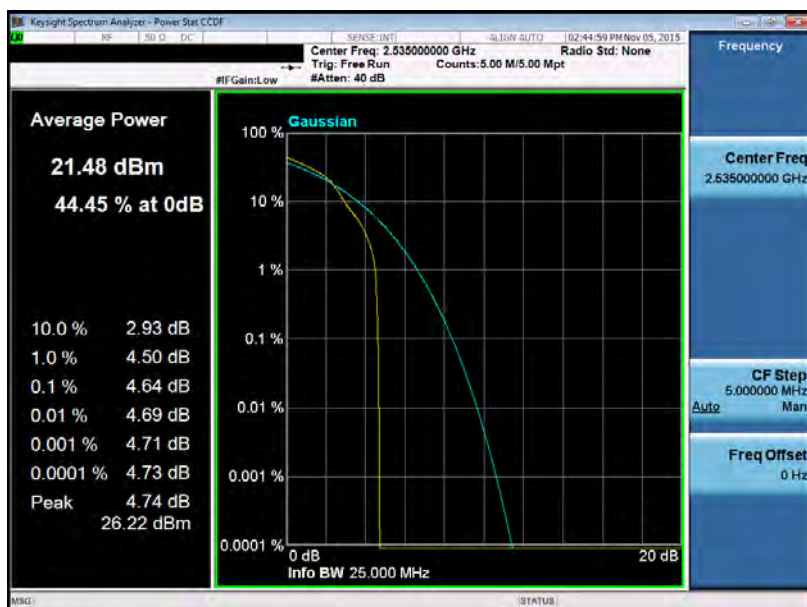
LTE Band 7 (Channel Bandwidth: 15 MHz) _ 16QAM

2535.0 MHz



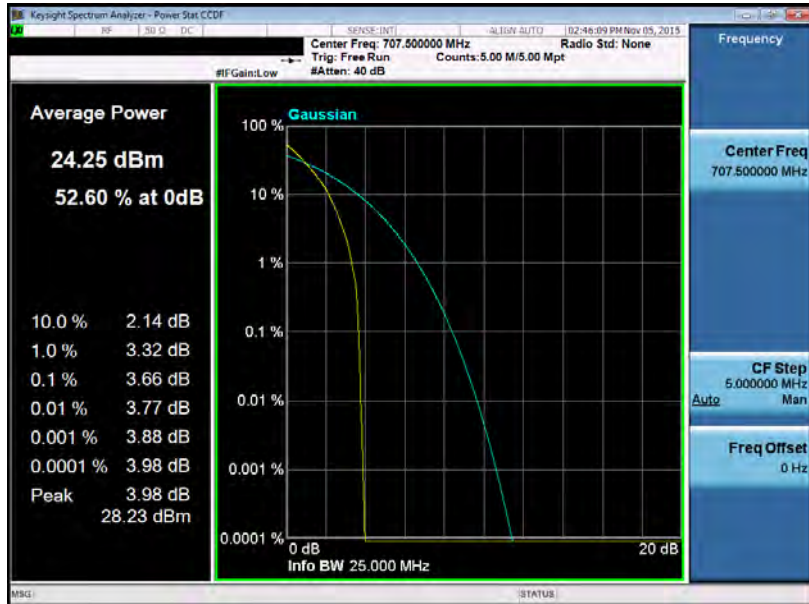
LTE Band 7 (Channel Bandwidth: 20 MHz) _ 16QAM

2535.0 MHz



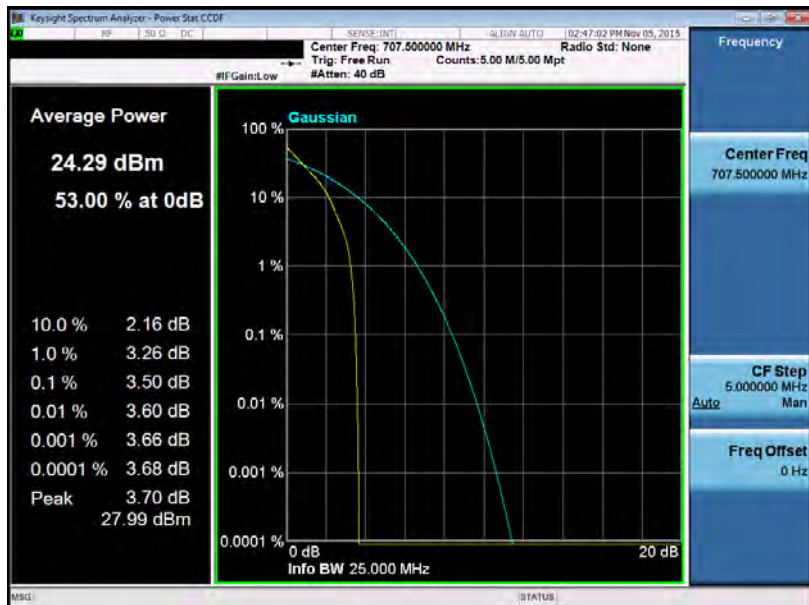
LTE Band 12 (Channel Bandwidth: 1.4 MHz) _ QPSK

707.5 MHz



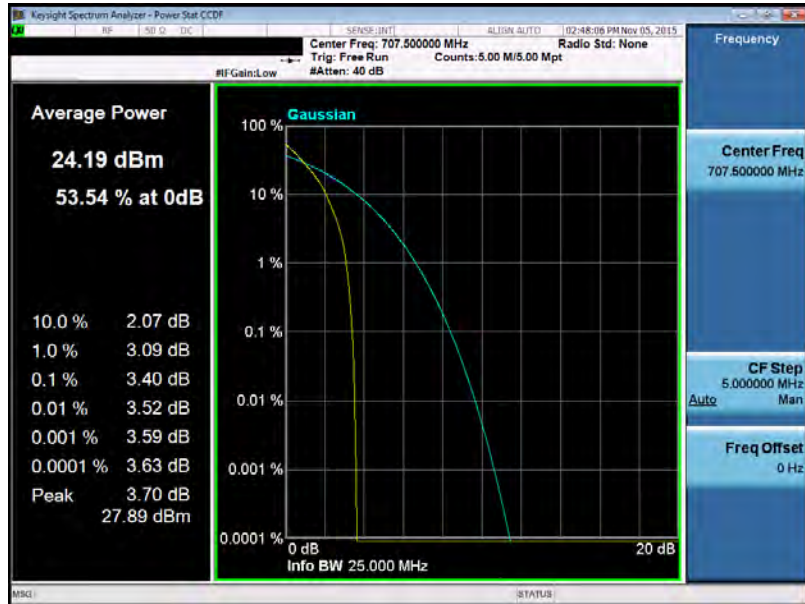
LTE Band 12 (Channel Bandwidth: 3 MHz) _ QPSK

707.5 MHz



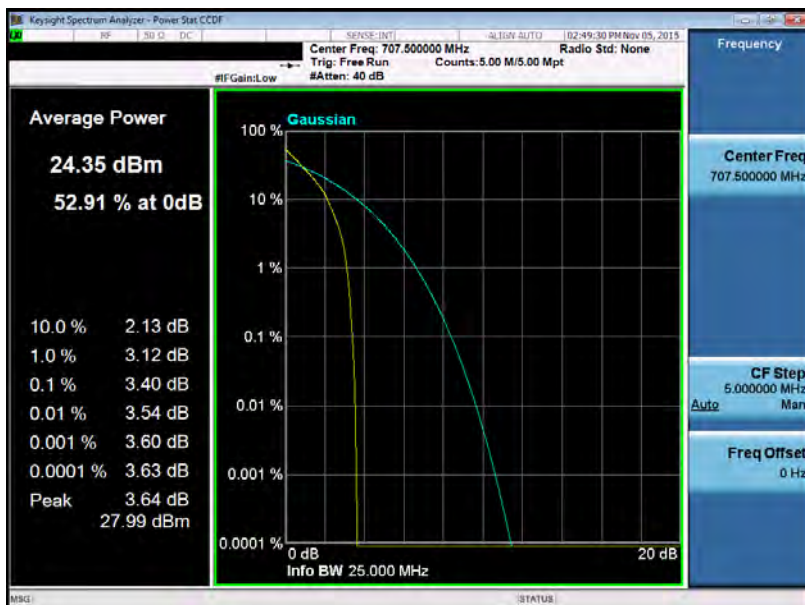
LTE Band 12 (Channel Bandwidth: 5 MHz) _ QPSK

707.5 MHz



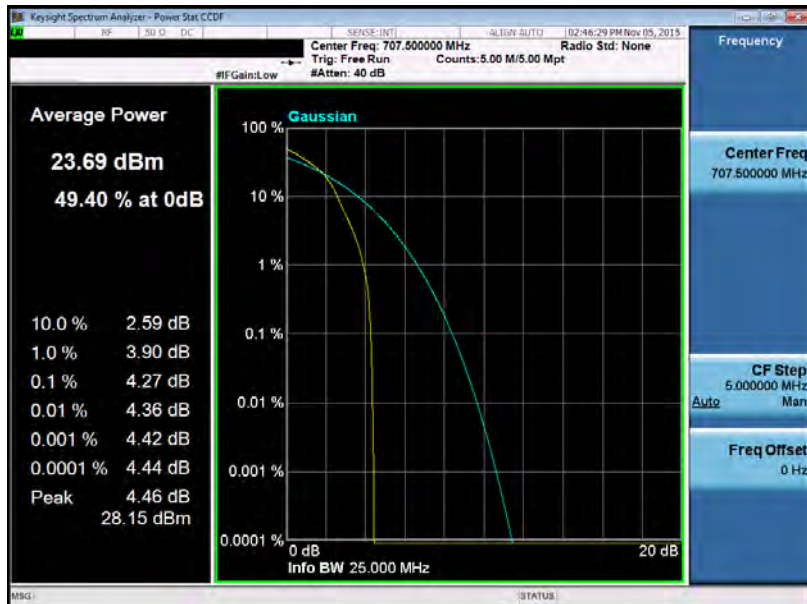
LTE Band 12 (Channel Bandwidth: 10 MHz) _ QPSK

707.5 MHz



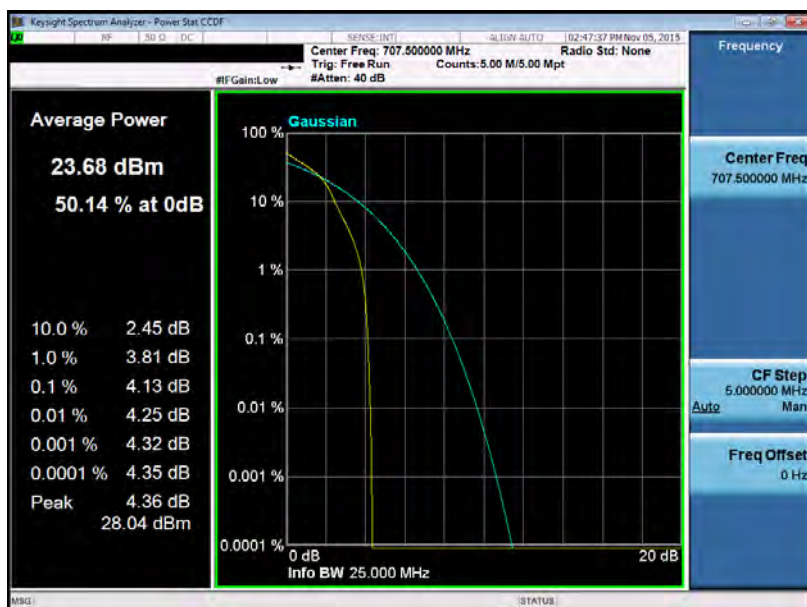
LTE Band 12 (Channel Bandwidth: 1.4 MHz) _ 16QAM

707.5 MHz



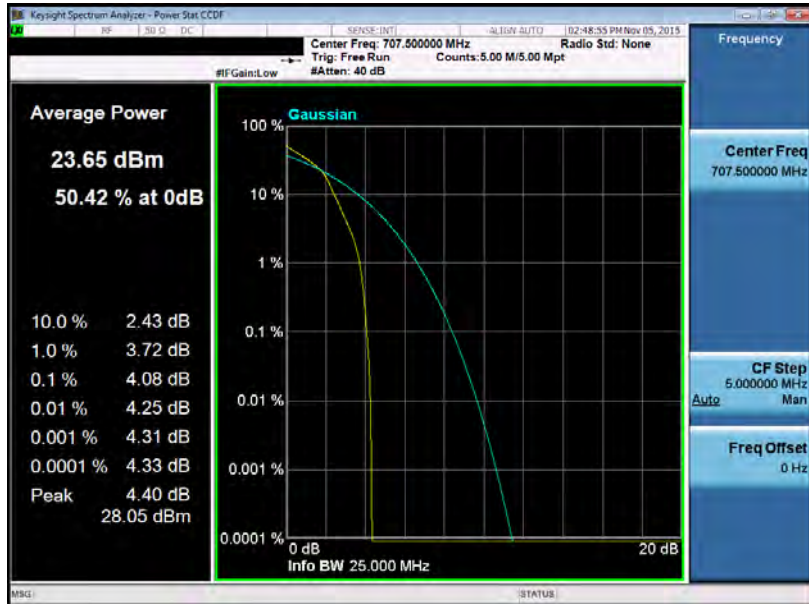
LTE Band 12 (Channel Bandwidth: 3 MHz) _ 16QAM

707.5 MHz



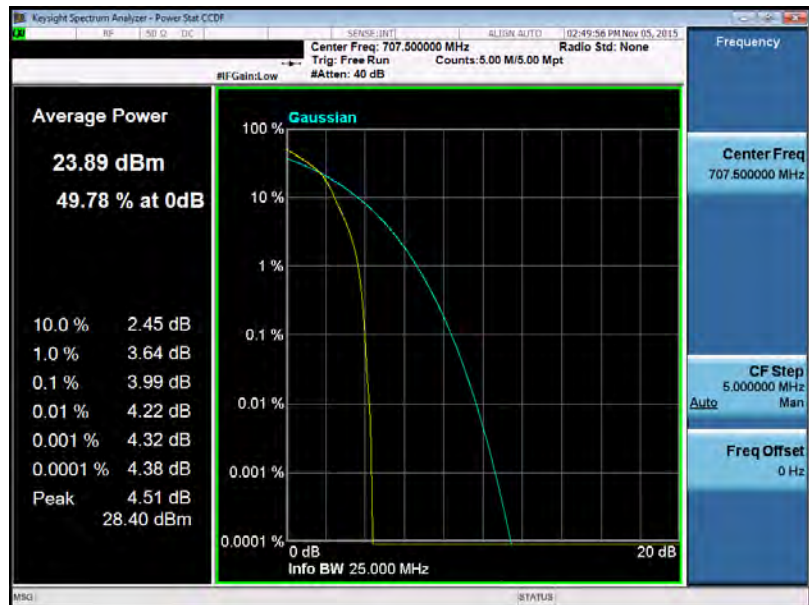
LTE Band 12 (Channel Bandwidth: 5 MHz) _ 16QAM

707.5 MHz



LTE Band 12 (Channel Bandwidth: 10 MHz) _ 16QAM

707.5 MHz



LTE Band 30 (Channel Bandwidth: 5 MHz) _ QPSK

2310.0 MHz



LTE Band 30 (Channel Bandwidth: 10 MHz) _ QPSK

2310.0 MHz



LTE Band 30 (Channel Bandwidth: 5 MHz) _ 16QAM

2310.0 MHz



LTE Band 30 (Channel Bandwidth: 10 MHz) _ 16QAM

2310.0 MHz



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(g)

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.

§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.

§27.53(a)(4)

For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

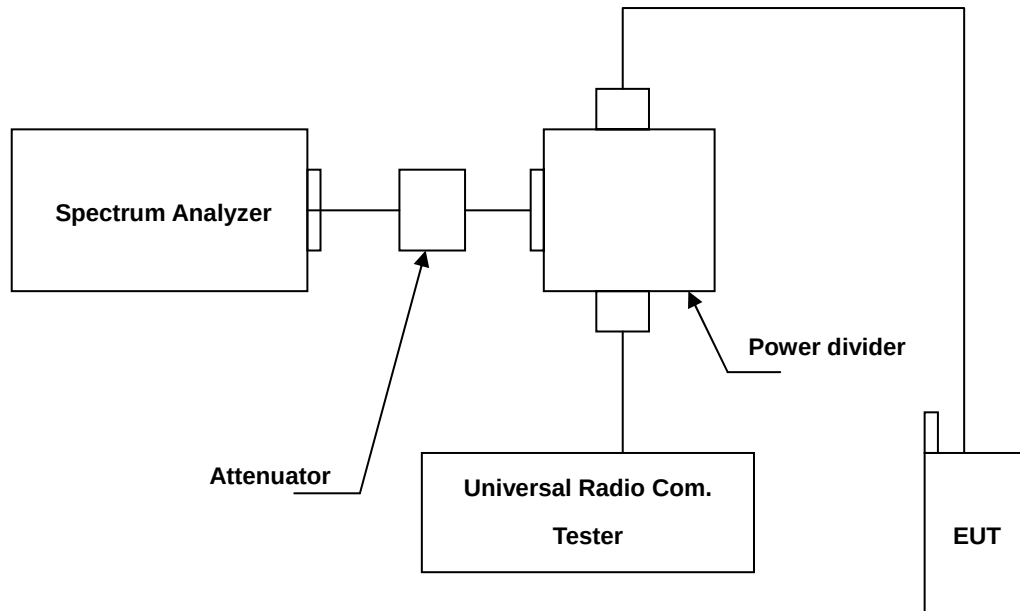
- (i) By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 and 2337 MHz;
- (ii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log (P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log (P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log (P)$ dB below 2288 MHz;
- (iii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.

7.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Period
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/14/2015	1 year
Wideband Radio Communication Test	R & S	CMW500	103168	10/30/2015	1 year
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

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

7.3. Setup



7.4. Test Procedure

The measurement is made according to FCC rules:

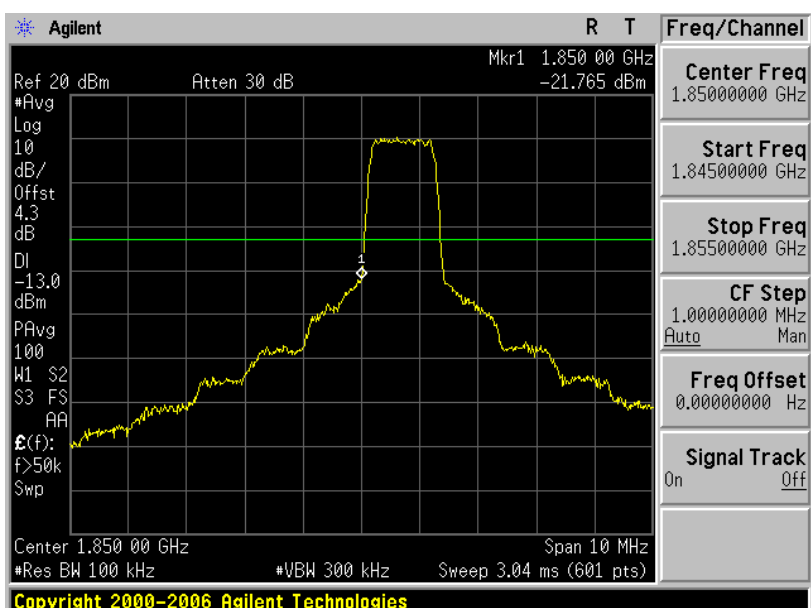
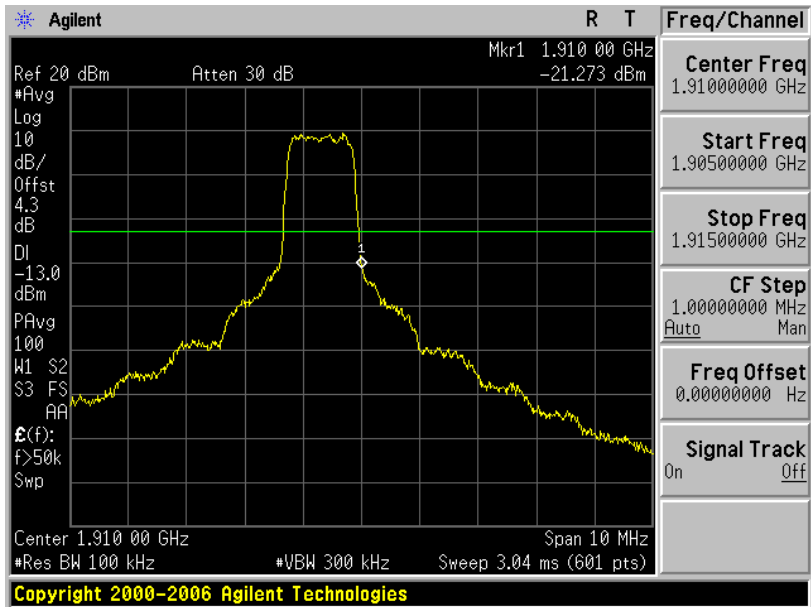
- The EUT was set up for the maximum peak power with LTE link data modulation. The power was measured with Spectrum Analyzer.
- The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer. This splitter loss and cable loss are the worst loss in the transmitted path track.
- Record the max trace plot into the test report.

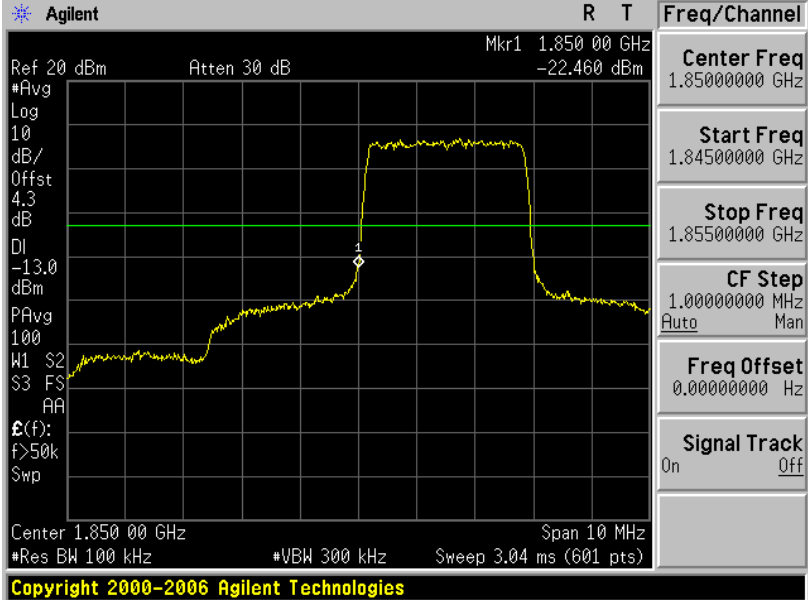
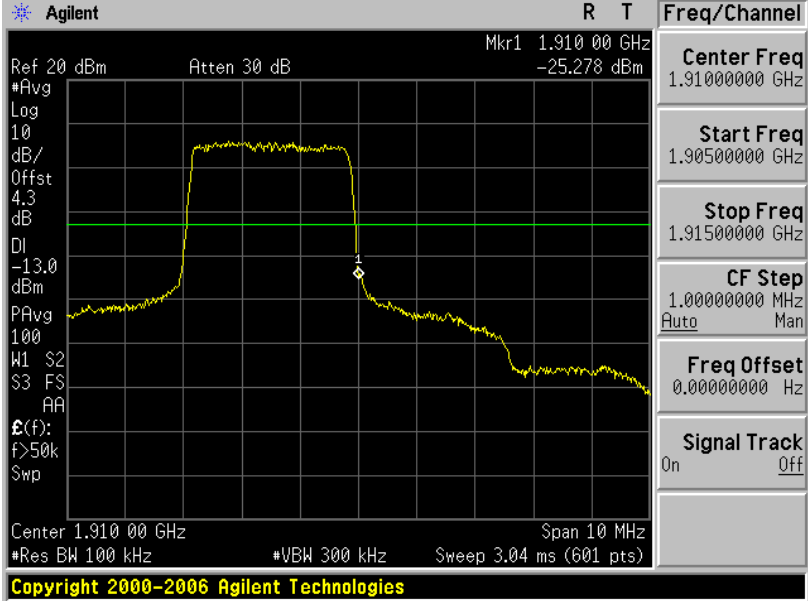
7.5. Uncertainty

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

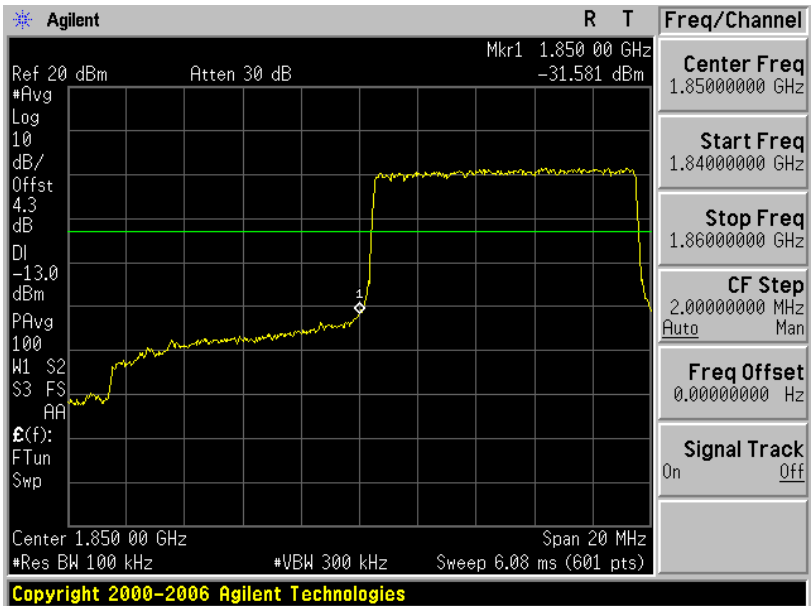
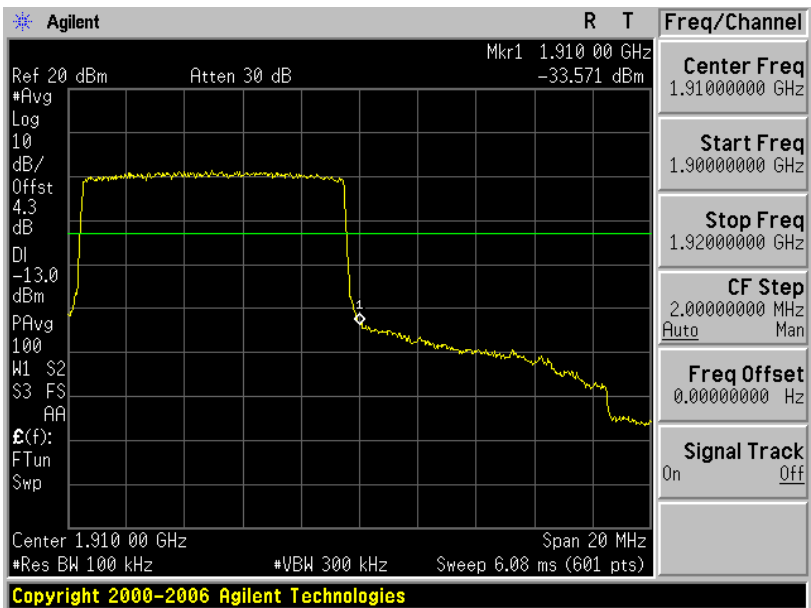
7.6. Test Results

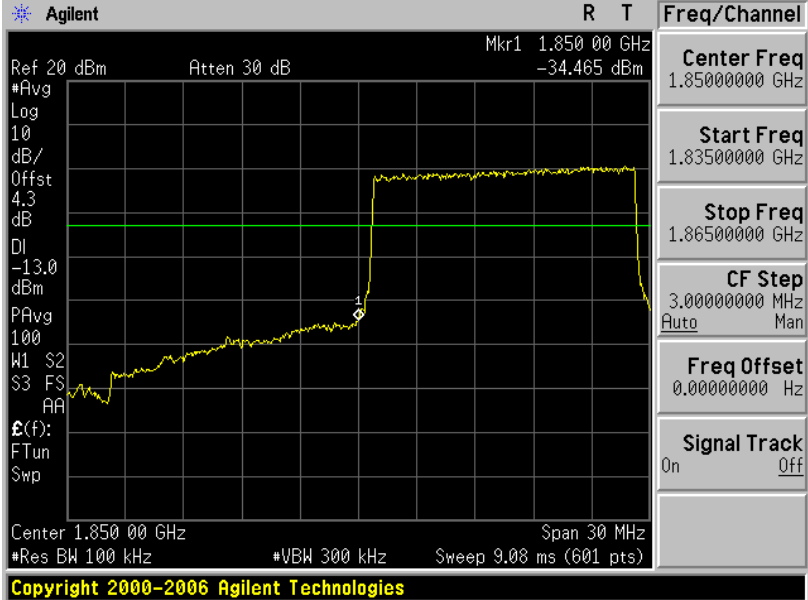
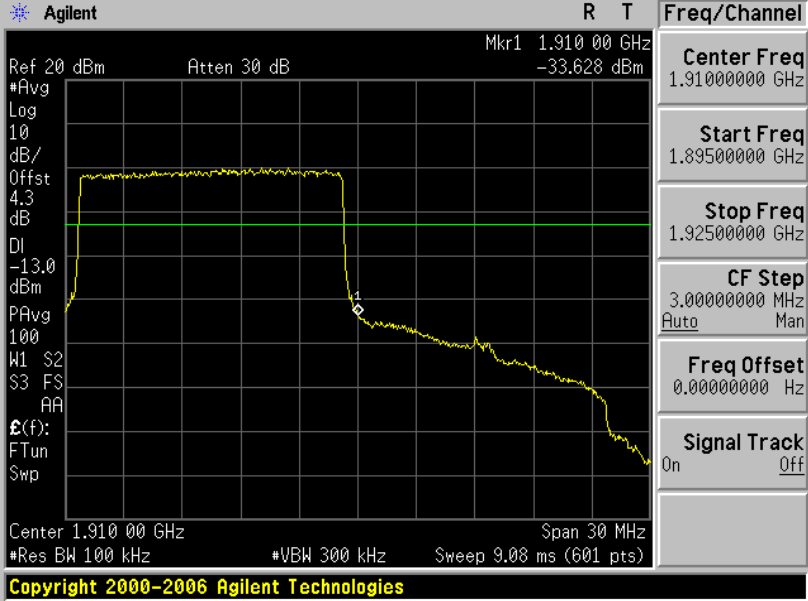
Model Number	AC815S
Test Item	Band Edge
Date of Test	10/19/2015, 12/03/2015

Operate Band	LTE Band 2	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.850 00 GHz -21.765 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA 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 2000-2006 Agilent Technologies Center Freq 1.85000000 GHz Start Freq 1.84500000 GHz Stop Freq 1.85500000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.910 00 GHz -21.273 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA 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 2000-2006 Agilent Technologies Center Freq 1.91000000 GHz Start Freq 1.90500000 GHz Stop Freq 1.91500000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				

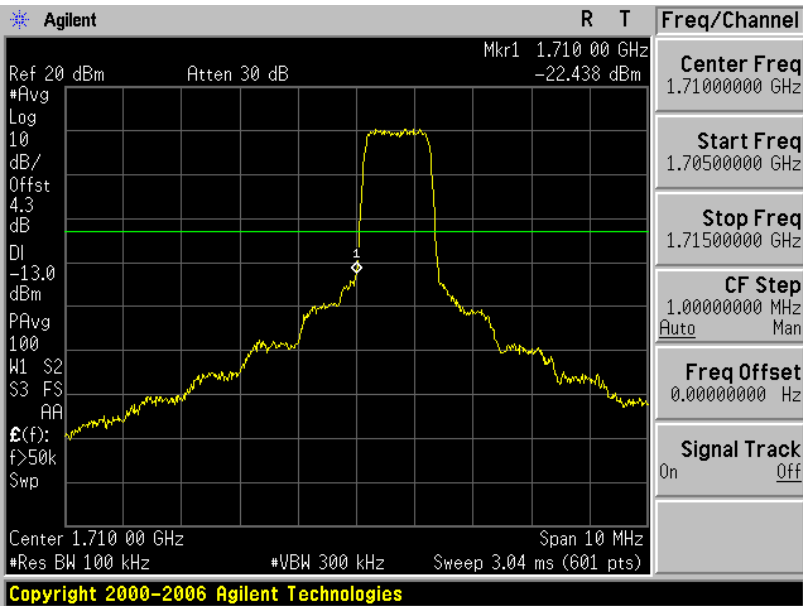
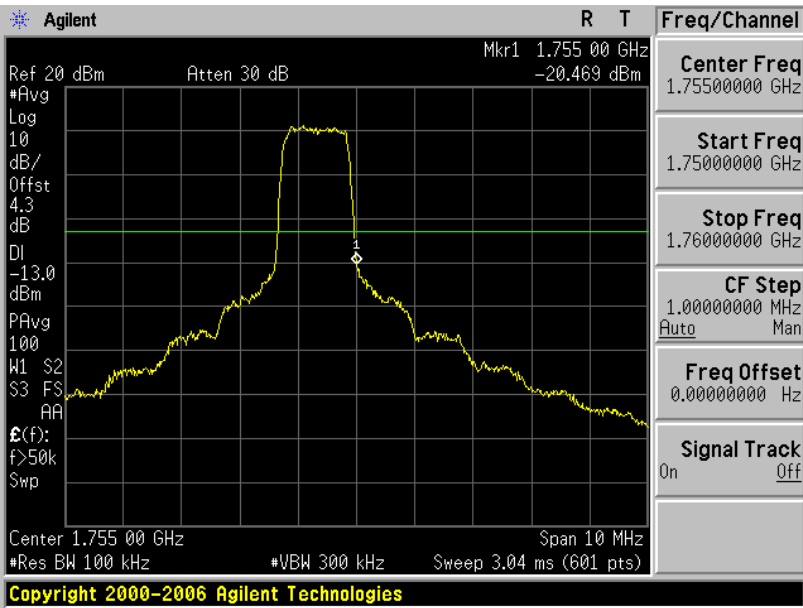
Operate Band	LTE Band 2	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge					
Higher Band Edge					

Operate Band	LTE Band 2	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.850 00 GHz -26.800 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA $\mathcal{E}(f)$: 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 2000-2006 Agilent Technologies Center Freq 1.85000000 GHz Start Freq 1.84500000 GHz Stop Freq 1.85500000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				
Higher Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.910 00 GHz -27.954 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA $\mathcal{E}(f)$: 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 2000-2006 Agilent Technologies Center Freq 1.91000000 GHz Start Freq 1.90500000 GHz Stop Freq 1.91500000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				

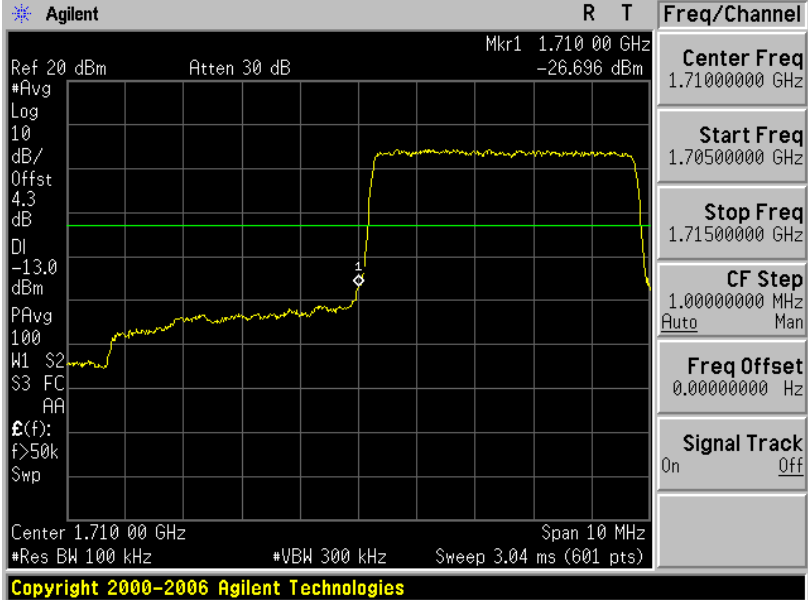
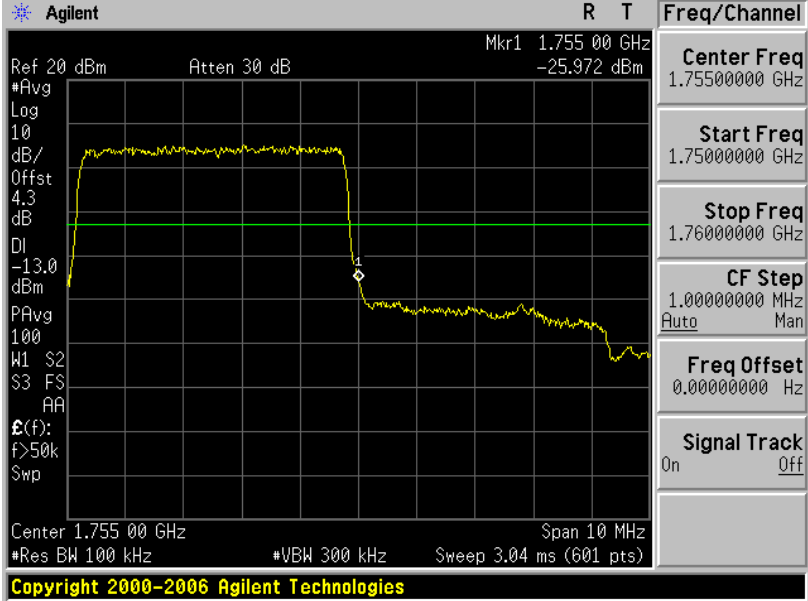
Operate Band	LTE Band 2	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
Higher Band Edge					

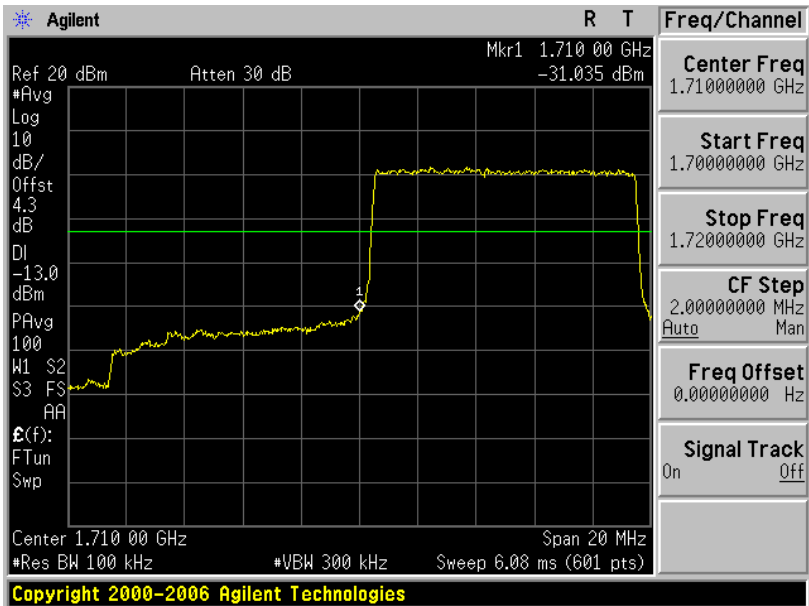
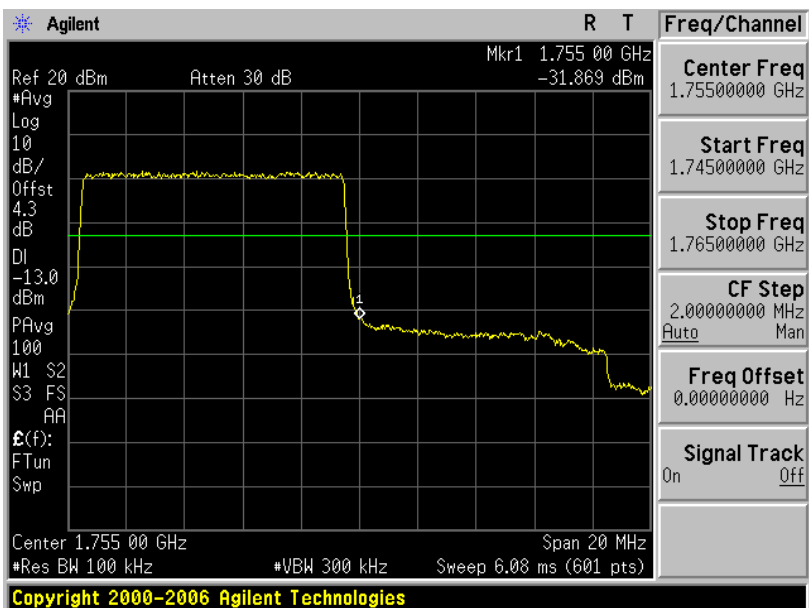
Operate Band	LTE Band 2	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.850 00 GHz -34.465 dBm Center Freq 1.85000000 GHz Start Freq 1.83500000 GHz Stop Freq 1.86500000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal 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 2000-2006 Agilent Technologies				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.910 00 GHz -33.628 dBm Center Freq 1.91000000 GHz Start Freq 1.89500000 GHz Stop Freq 1.92500000 GHz CF Step 3.00000000 MHz Auto Man 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 2000-2006 Agilent Technologies				

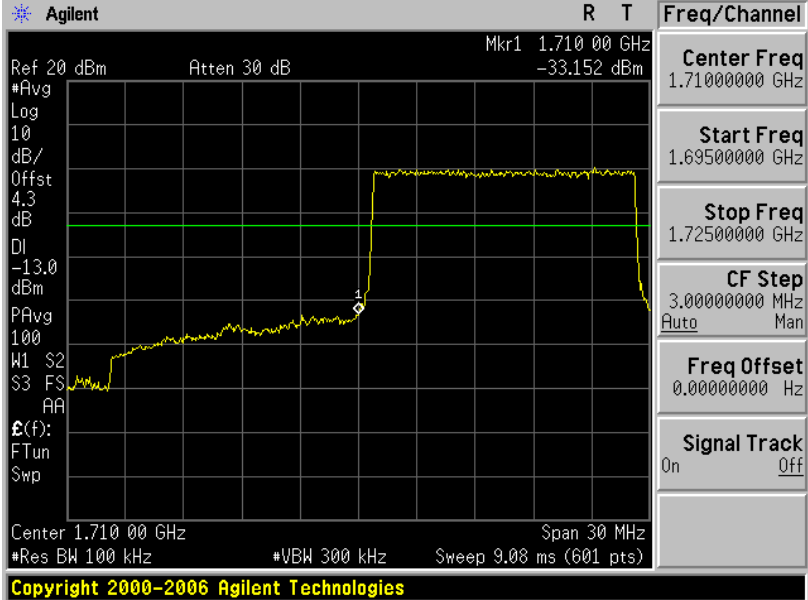
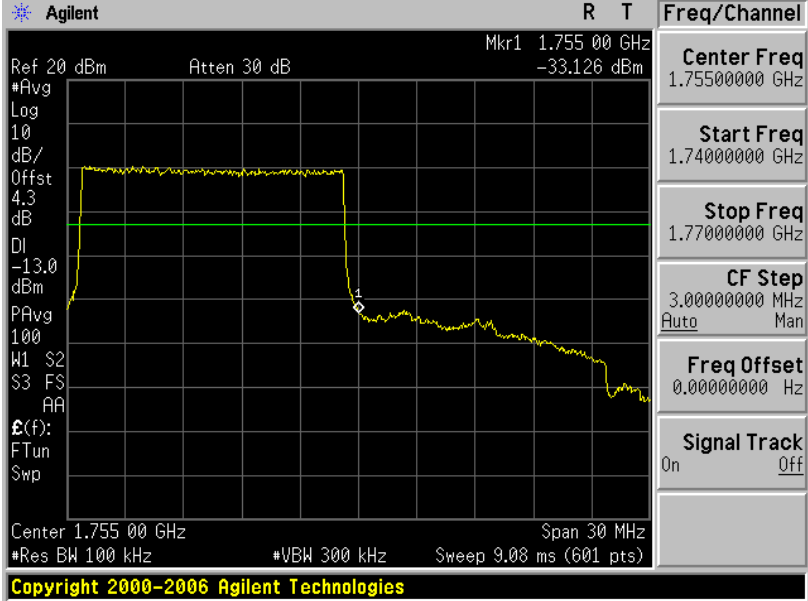
Operate Band	LTE Band 2	Channel Bandwidth	20 MHz	RB Allocated	100
Lower Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.850 00 GHz -36.743 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA $E(f)$: FTun Swp Center 1.850 00 GHz Span 40 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 12.12 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 1.85000000 GHz Start Freq 1.83000000 GHz Stop Freq 1.87000000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				
Higher Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.910 00 GHz -34.018 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA $E(f)$: FTun Swp Center 1.910 00 GHz Span 40 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 12.12 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 1.91000000 GHz Start Freq 1.89000000 GHz Stop Freq 1.93000000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				

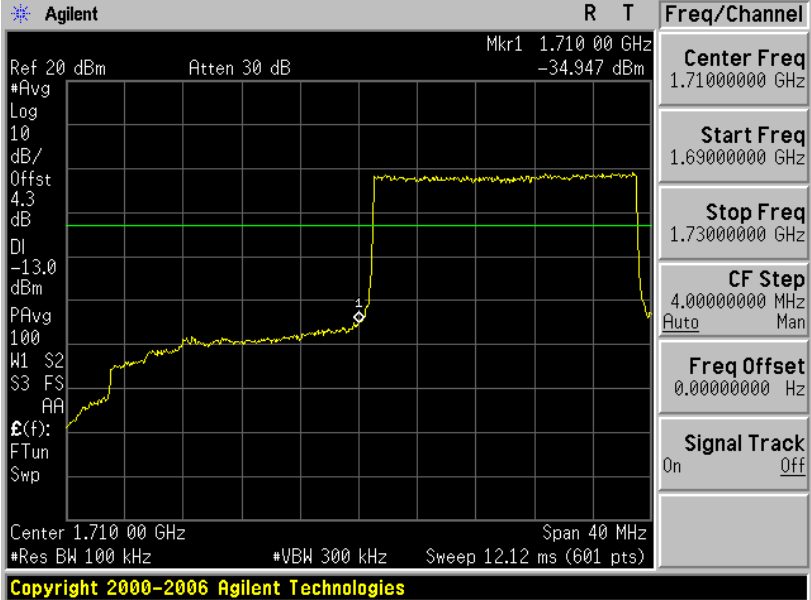
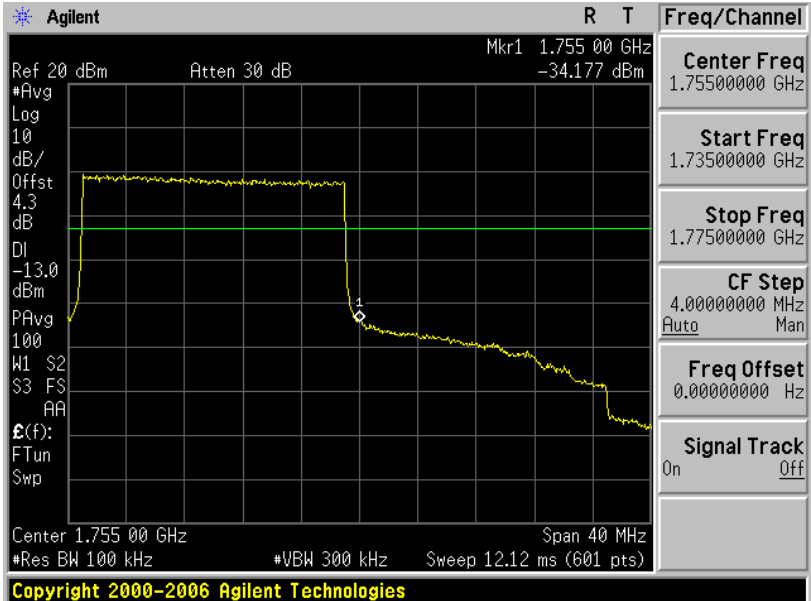
Operate Band	LTE Band 4	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

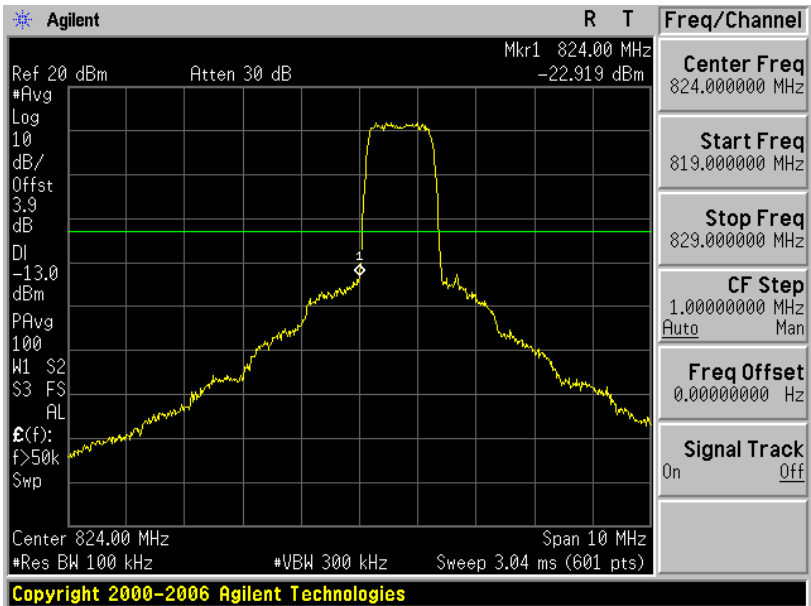
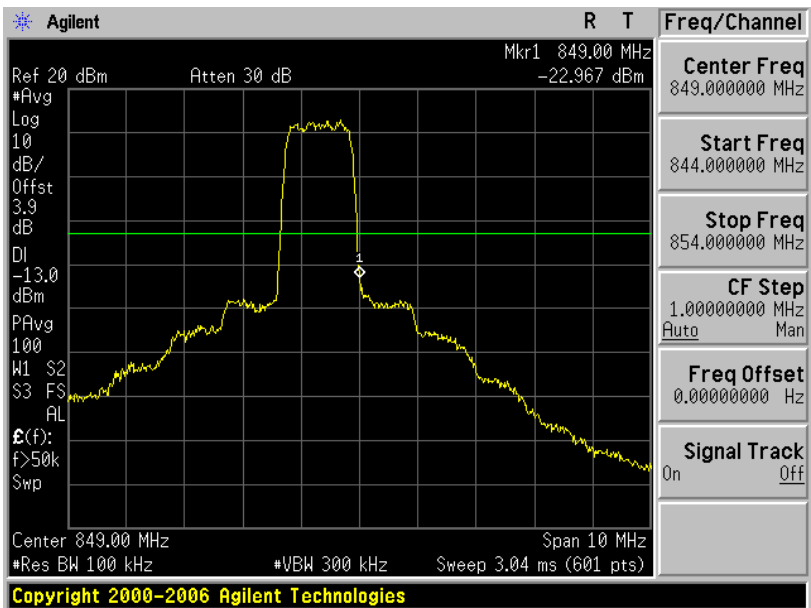
Operate Band	LTE Band 4	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge	Copyright 2000-2006 Agilent Technologies				
Higher Band Edge	Copyright 2000-2006 Agilent Technologies				

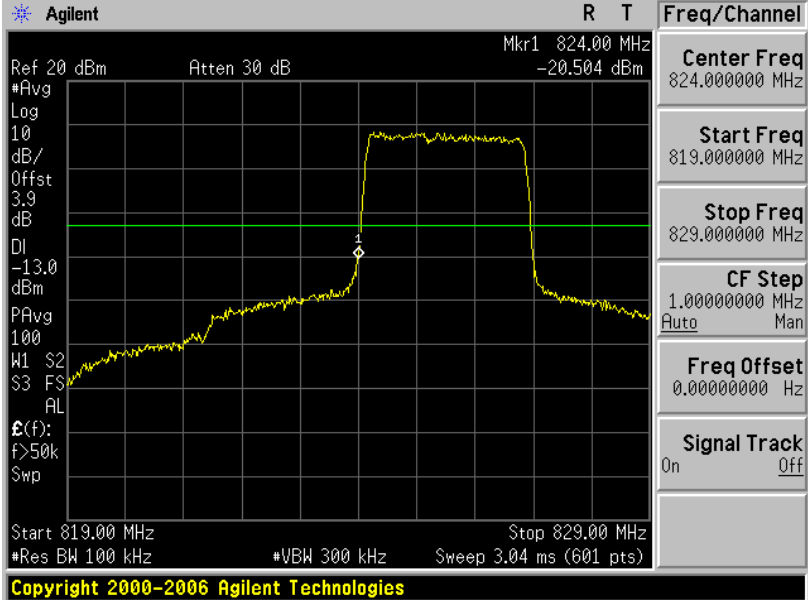
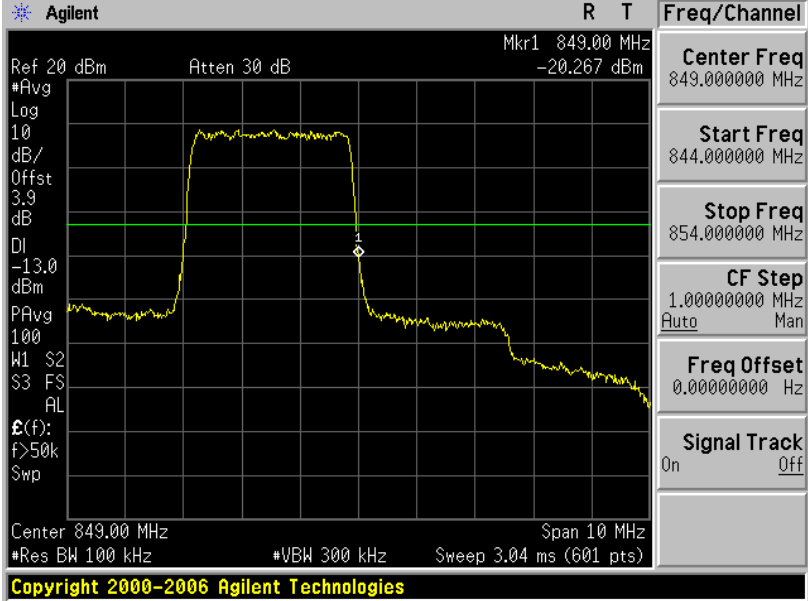
Operate Band	LTE Band 4	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	 Copyright 2000-2006 Agilent Technologies				
Higher Band Edge	 Copyright 2000-2006 Agilent Technologies				

Operate Band	LTE Band 4	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.710 00 GHz -31.035 dBm Center Freq 1.71000000 GHz Start Freq 1.70000000 GHz Stop Freq 1.72000000 GHz CF Step 2.00000000 MHz Auto Man 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 2000-2006 Agilent Technologies				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.755 00 GHz -31.869 dBm Center Freq 1.75500000 GHz Start Freq 1.74500000 GHz Stop Freq 1.76500000 GHz CF Step 2.00000000 MHz Auto Man 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 2000-2006 Agilent Technologies				

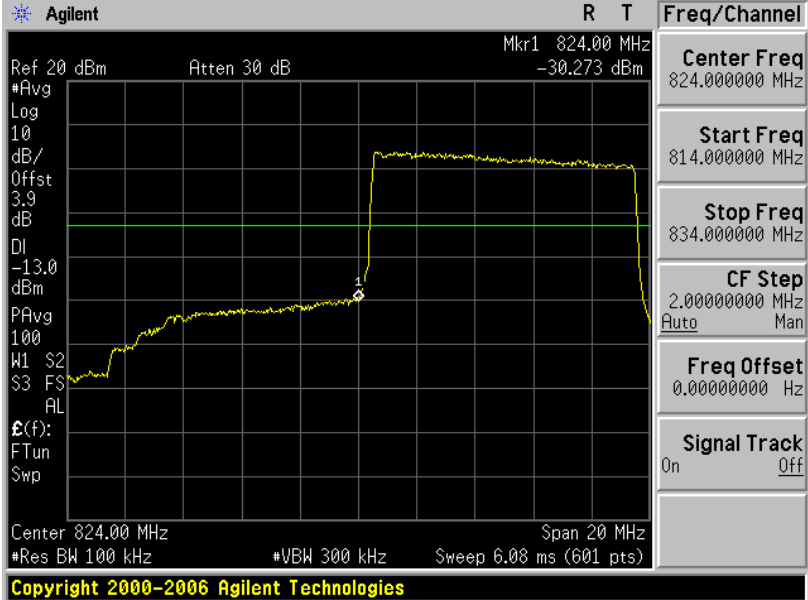
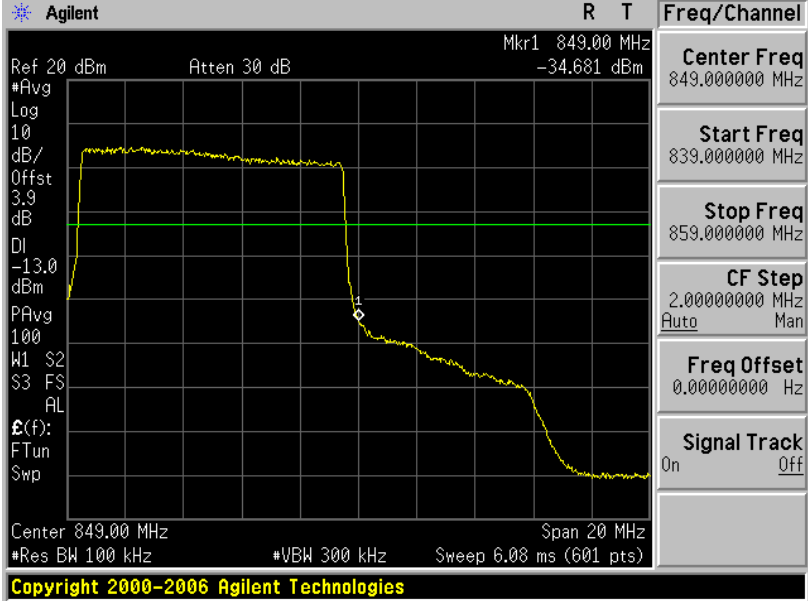
Operate Band	LTE Band 4	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.710 00 GHz -33.152 dBm Center Freq 1.7100000 GHz Start Freq 1.6950000 GHz Stop Freq 1.7250000 GHz CF Step 3.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Center 1.710 00 GHz Span 30 MHz *Res BW 100 kHz #VBW 300 kHz Sweep 9.08 ms (601 pts) Copyright 2000-2006 Agilent Technologies				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.755 00 GHz -33.126 dBm Center Freq 1.7550000 GHz Start Freq 1.7400000 GHz Stop Freq 1.7700000 GHz CF Step 3.0000000 MHz Auto Man Freq Offset 0.0000000 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 2000-2006 Agilent Technologies				

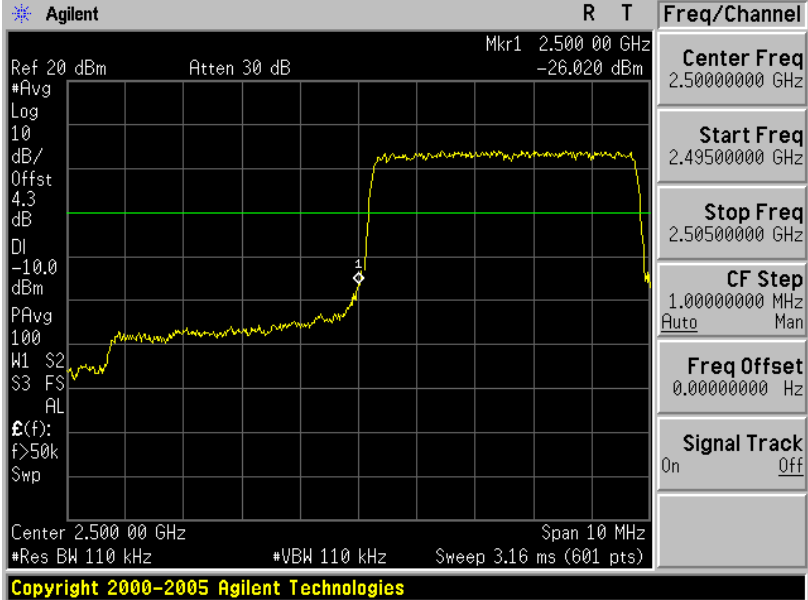
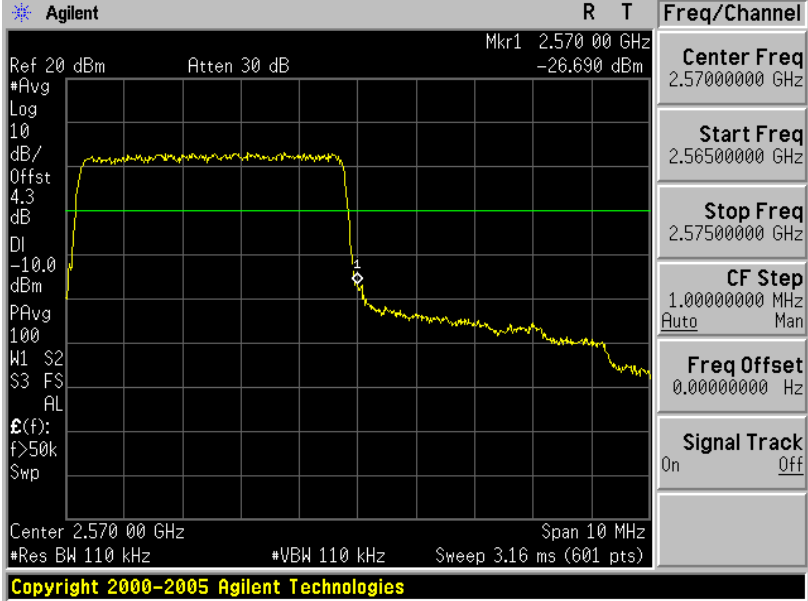
Operate Band	LTE Band 4	Channel Bandwidth	20 MHz	RB Allocated	100
Lower Band Edge					
Higher Band Edge					

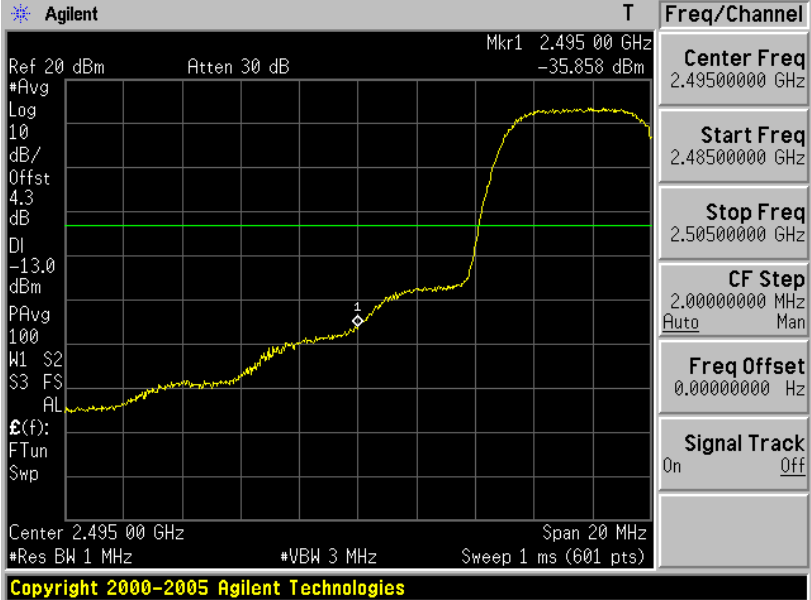
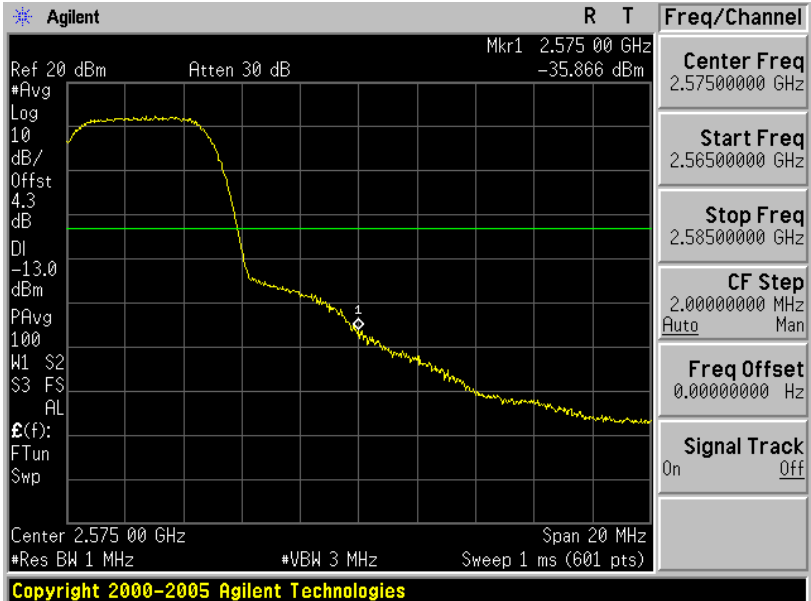
Operate Band	LTE Band 5	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 824.00 MHz -22.919 dBm #Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL $\mathcal{E}(f)$: f>50k Swp Center 824.00 MHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 824.000000 MHz 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				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 849.00 MHz -22.967 dBm #Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL $\mathcal{E}(f)$: f>50k Swp Center 849.00 MHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 849.000000 MHz 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				

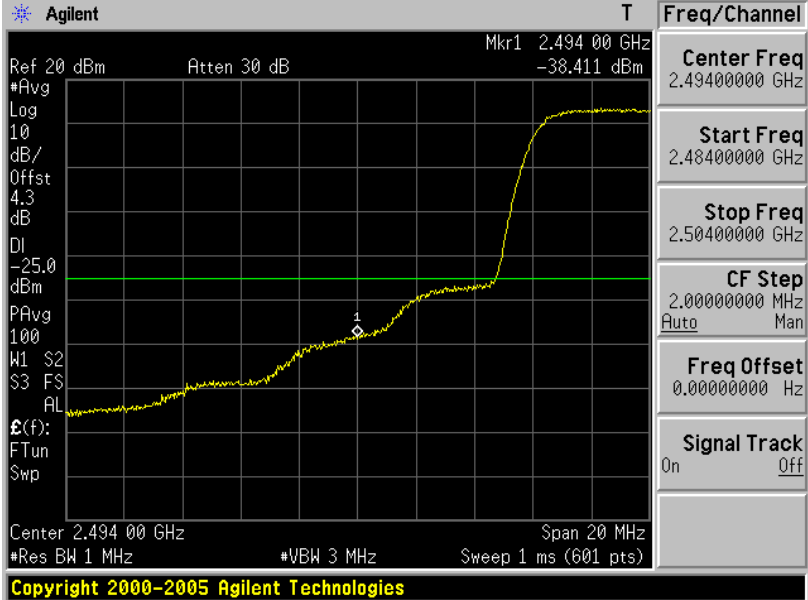
Operate Band	LTE Band 5	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge	 Copyright 2000-2006 Agilent Technologies				
Higher Band Edge	 Copyright 2000-2006 Agilent Technologies				

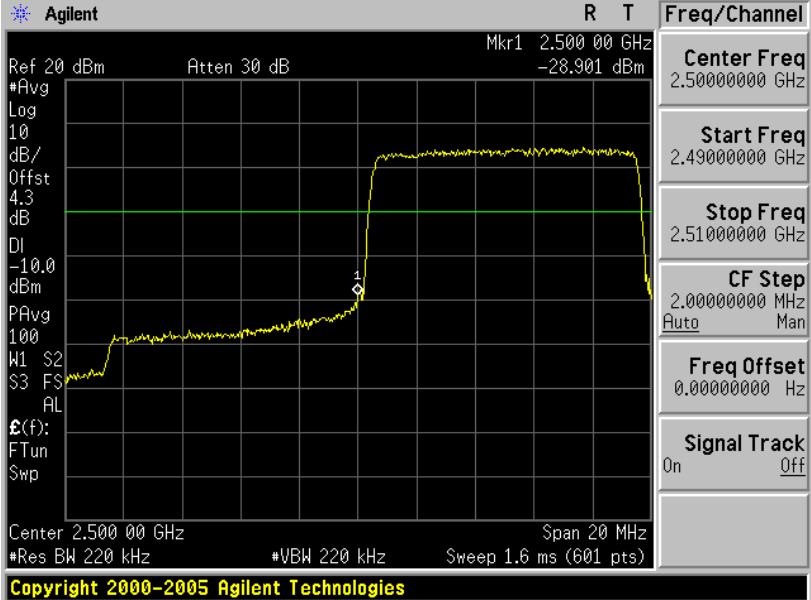
Operate Band	LTE Band 5	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	Copyright 2000-2006 Agilent Technologies				
Higher Band Edge	Copyright 2000-2006 Agilent Technologies				

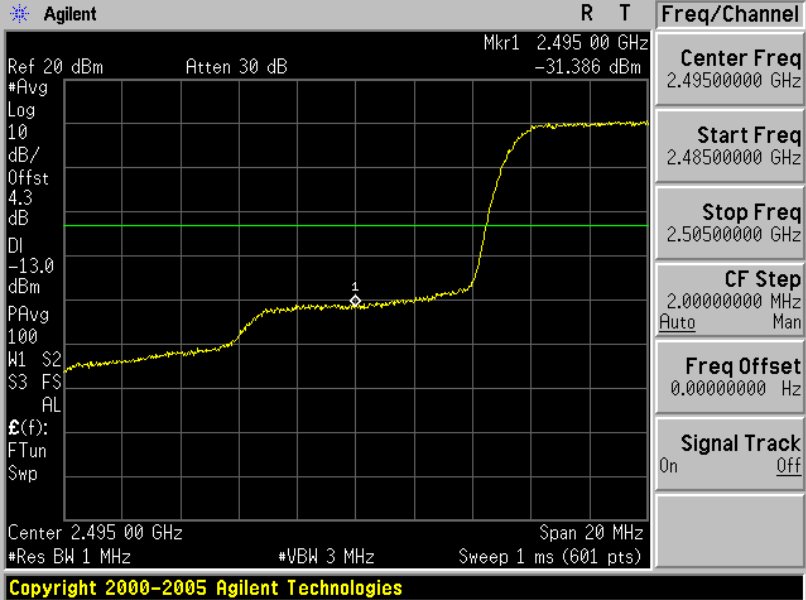
Operate Band	LTE Band 5	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 824.00 MHz -30.273 dBm #Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL E(f): FTun Swp Center 824.00 MHz Span 20 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 6.08 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 824.000000 MHz Start Freq 814.000000 MHz Stop Freq 834.000000 MHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 849.00 MHz -34.681 dBm #Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL E(f): FTun Swp Center 849.00 MHz Span 20 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 6.08 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 849.000000 MHz Start Freq 839.000000 MHz Stop Freq 859.000000 MHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				

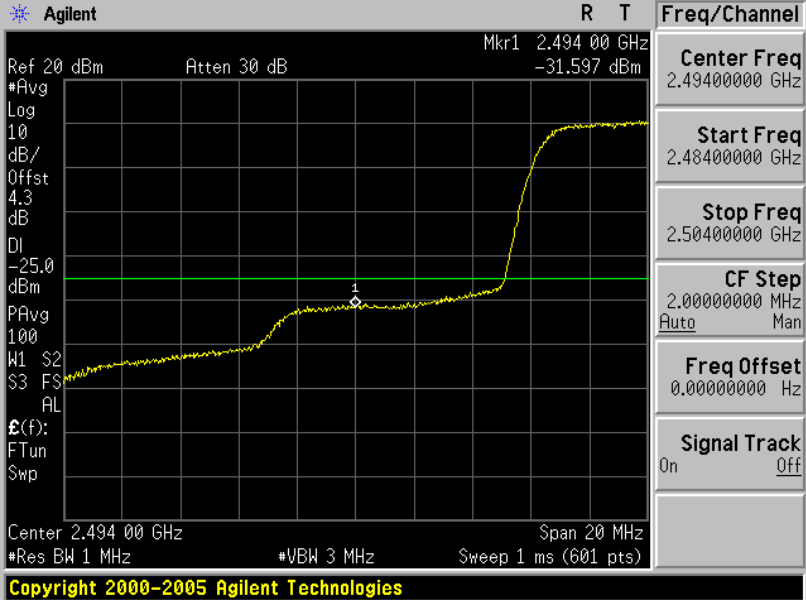
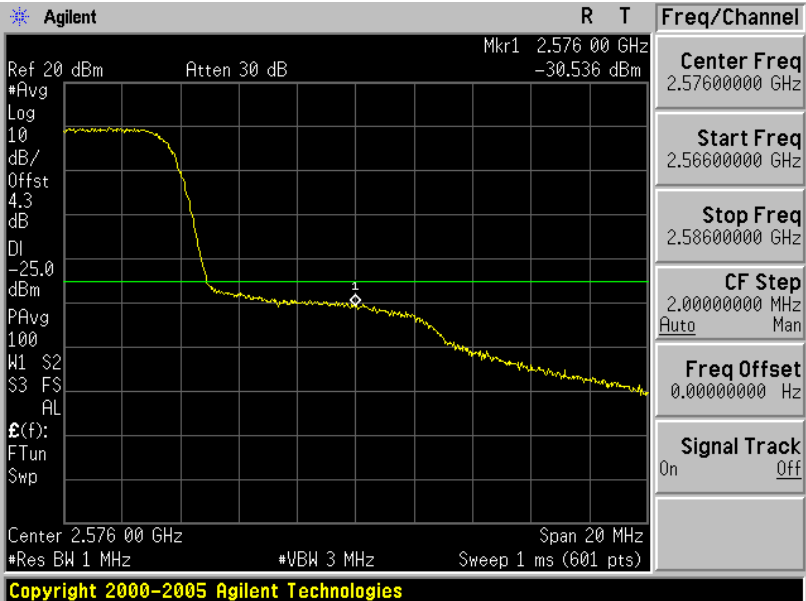
Operate Band	LTE Band 7	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	 Copyright 2000-2005 Agilent Technologies				
Higher Band Edge	 Copyright 2000-2005 Agilent Technologies				

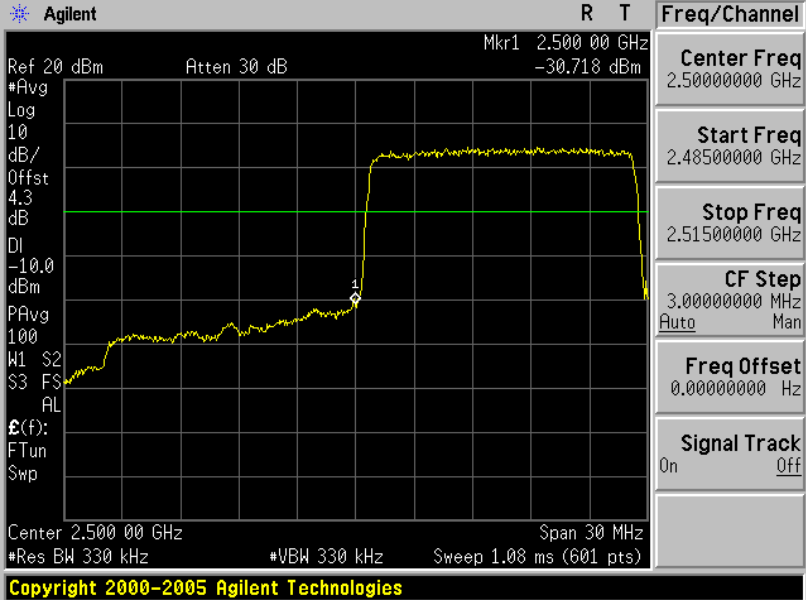
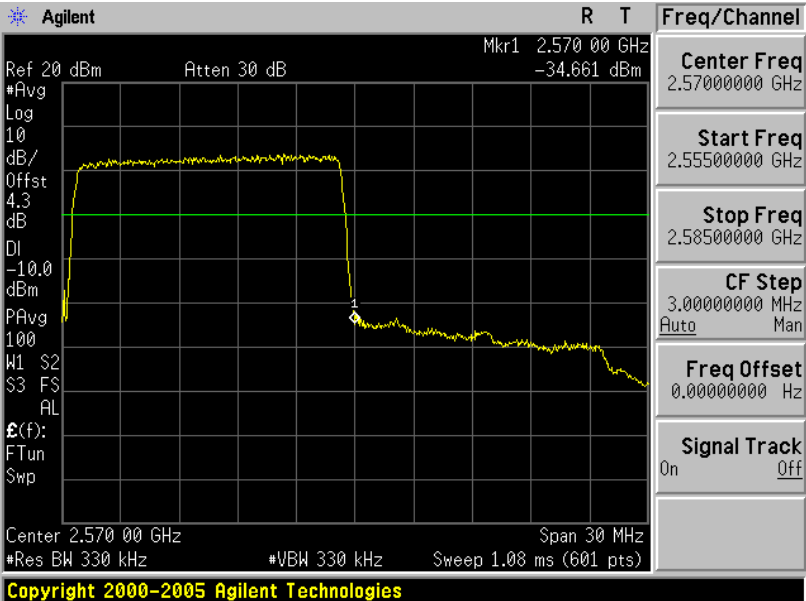
Operate Band	LTE Band 7	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	 Agilent T Ref 20 dBm Atten 30 dB Mkr1 2.495 00 GHz -35.858 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL Center 2.495 00 GHz Span 20 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies Freq/Channel Center Freq 2.49500000 GHz Start Freq 2.48500000 GHz Stop Freq 2.50500000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				
Higher Band Edge	 Agilent R T Ref 20 dBm Atten 30 dB Mkr1 2.575 00 GHz -35.866 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL Center 2.575 00 GHz Span 20 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies Freq/Channel Center Freq 2.57500000 GHz Start Freq 2.56500000 GHz Stop Freq 2.58500000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				

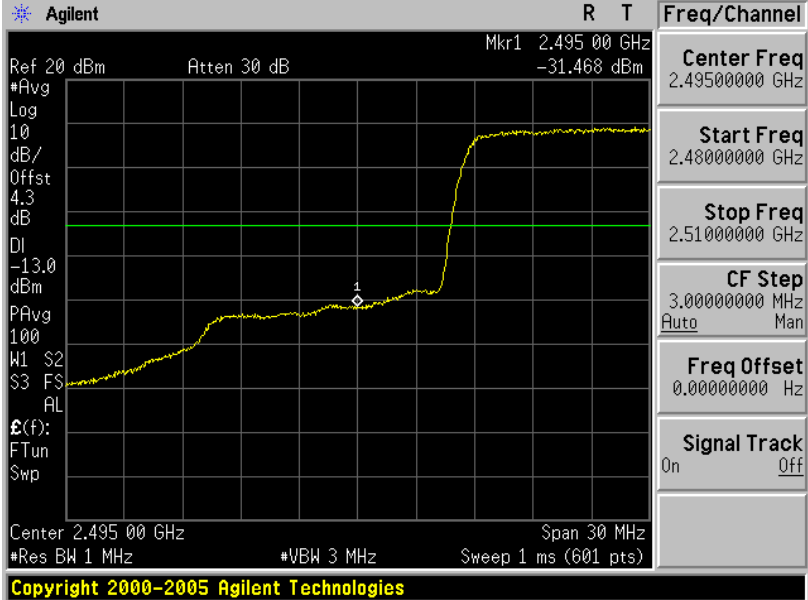
Operate Band	LTE Band 7	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
Higher Band Edge					

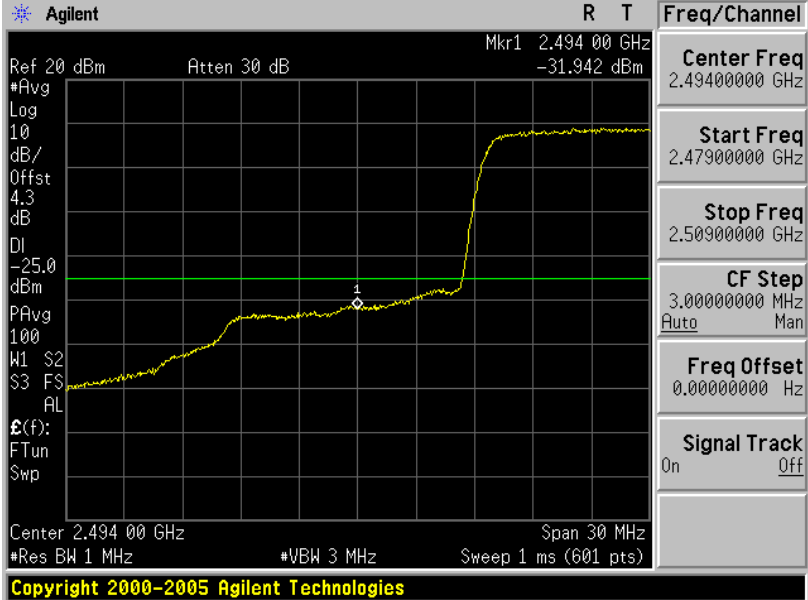
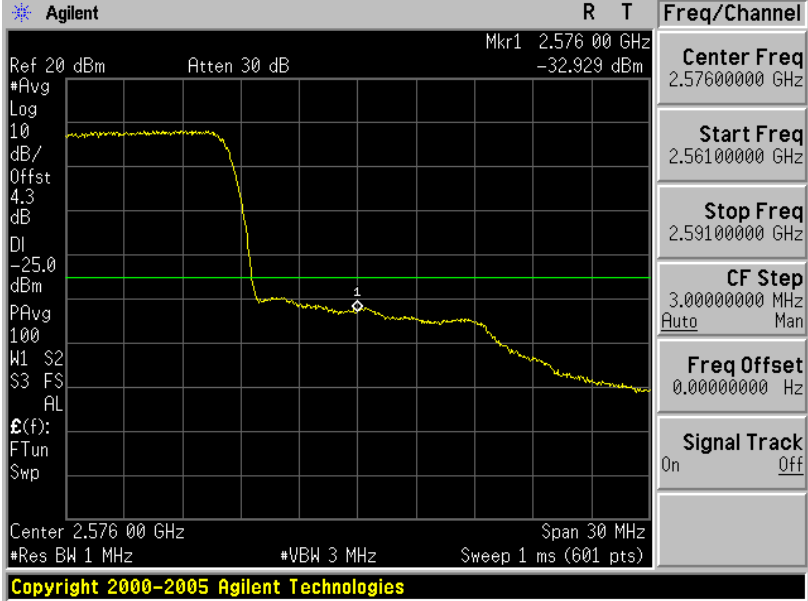
Operate Band	LTE Band 7	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.500 00 GHz -28.901 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -10.0 dBm PAvg 100 W1 S2 S3 FS AL Center 2.500 00 GHz Span 20 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1.6 ms (601 pts) Copyright 2000-2005 Agilent Technologies Center Freq 2.50000000 GHz Start Freq 2.49000000 GHz Stop Freq 2.51000000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.570 00 GHz -31.484 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -10.0 dBm PAvg 100 W1 S2 S3 FS AL Center 2.570 00 GHz Span 20 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1.6 ms (601 pts) Copyright 2000-2005 Agilent Technologies Center Freq 2.57000000 GHz Start Freq 2.56000000 GHz Stop Freq 2.58000000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				

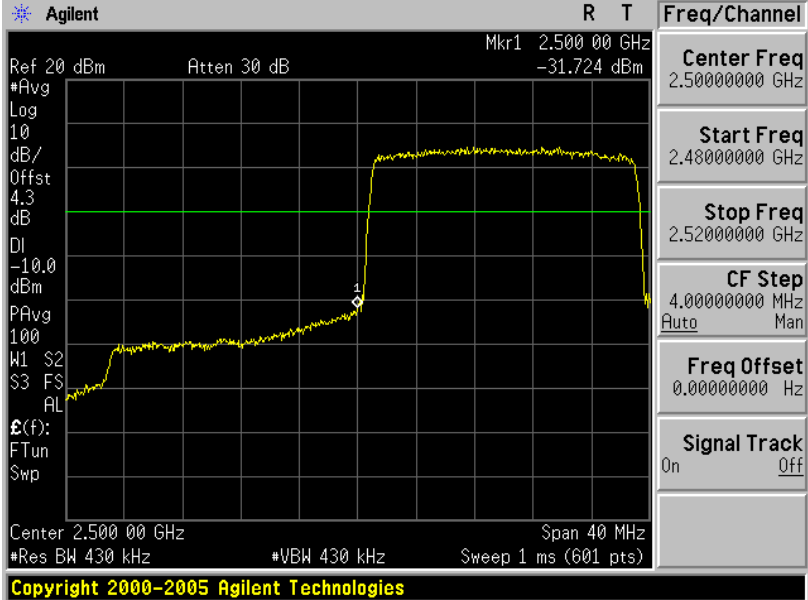
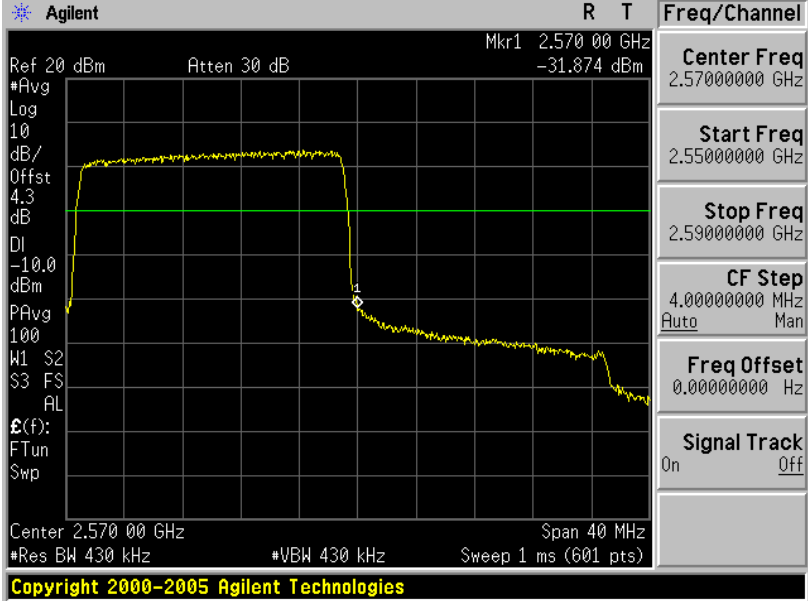
Operate Band	LTE Band 7	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.495 00 GHz -31.386 dBm Center Freq 2.49500000 GHz Start Freq 2.48500000 GHz Stop Freq 2.50500000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 2.495 00 GHz Span 20 MHz *Res BW 1 MHz *VBW 3 MHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.575 00 GHz -30.280 dBm Center Freq 2.57500000 GHz Start Freq 2.56500000 GHz Stop Freq 2.58500000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 2.575 00 GHz Span 20 MHz *Res BW 1 MHz *VBW 3 MHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies				

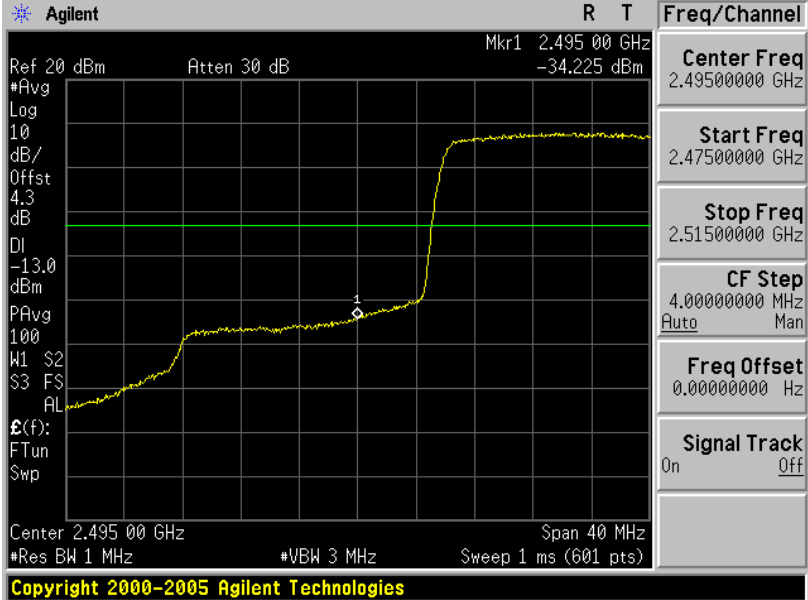
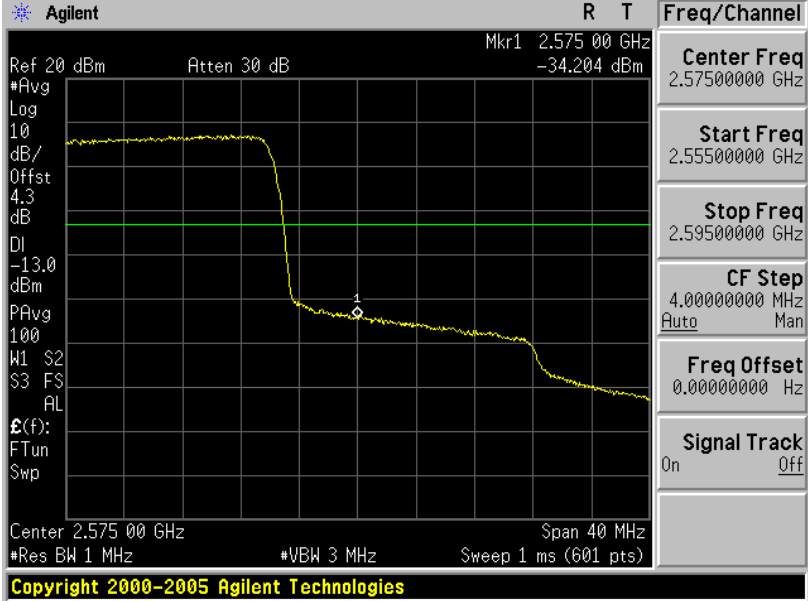
Operate Band	LTE Band 7	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.494 00 GHz -31.597 dBm Center Freq 2.49400000 GHz Start Freq 2.48400000 GHz Stop Freq 2.50400000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 2.494 00 GHz Span 20 MHz *Res BW 1 MHz *VBW 3 MHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.576 00 GHz -30.536 dBm Center Freq 2.57600000 GHz Start Freq 2.56600000 GHz Stop Freq 2.58600000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 2.576 00 GHz Span 20 MHz *Res BW 1 MHz *VBW 3 MHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies				

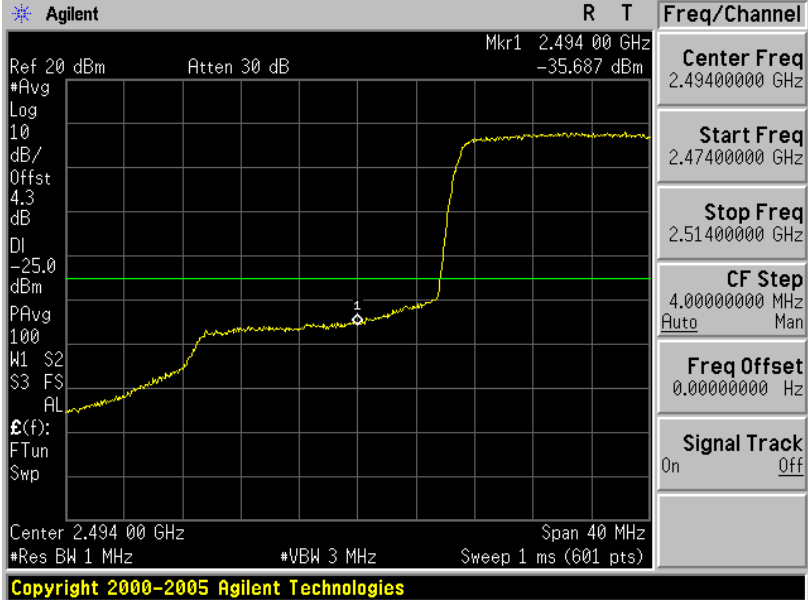
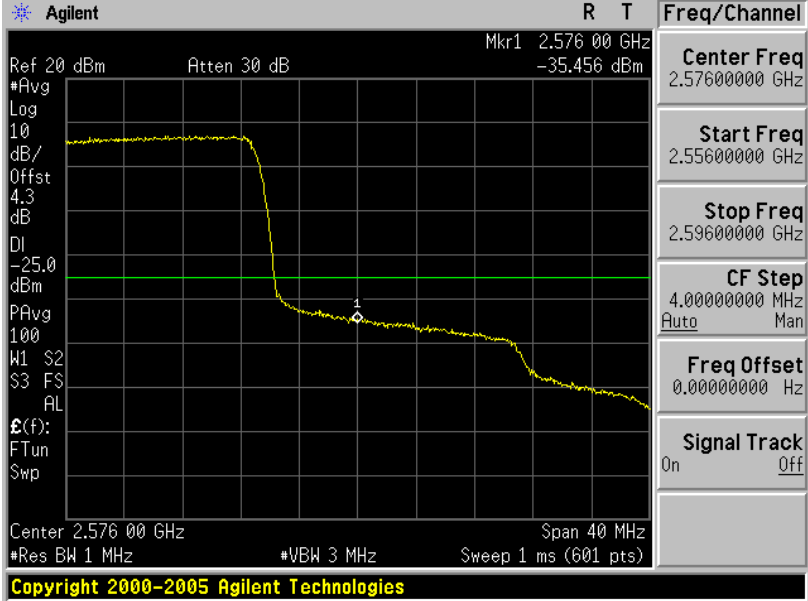
Operate Band	LTE Band 7	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge	 Copyright 2000-2005 Agilent Technologies				
Higher Band Edge	 Copyright 2000-2005 Agilent Technologies				

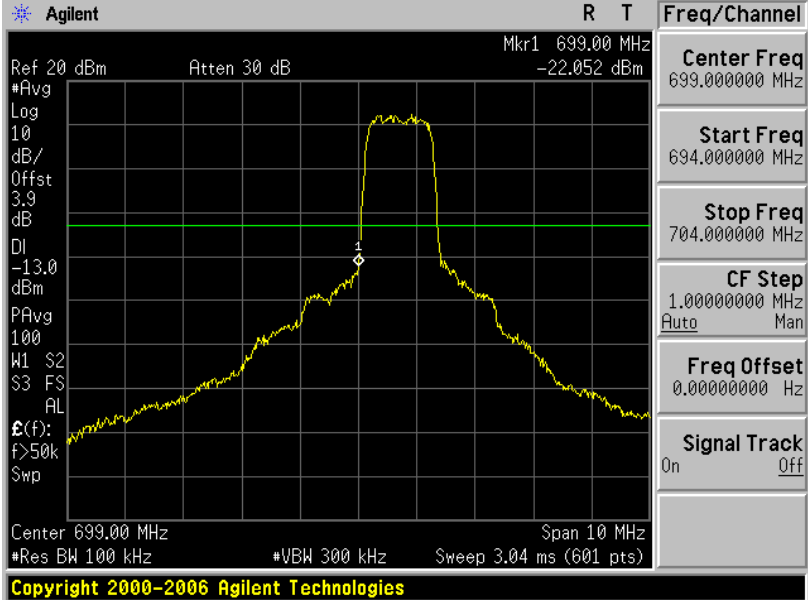
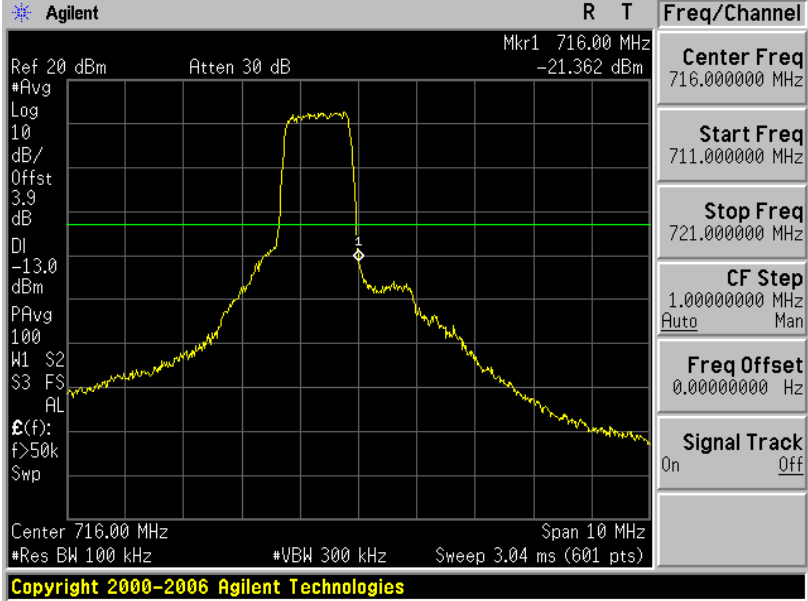
Operate Band	LTE Band 7	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge	 Copyright 2000-2005 Agilent Technologies				
Higher Band Edge	 Copyright 2000-2005 Agilent Technologies				

Operate Band	LTE Band 7	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge	 Copyright 2000-2005 Agilent Technologies				
Higher Band Edge	 Copyright 2000-2005 Agilent Technologies				

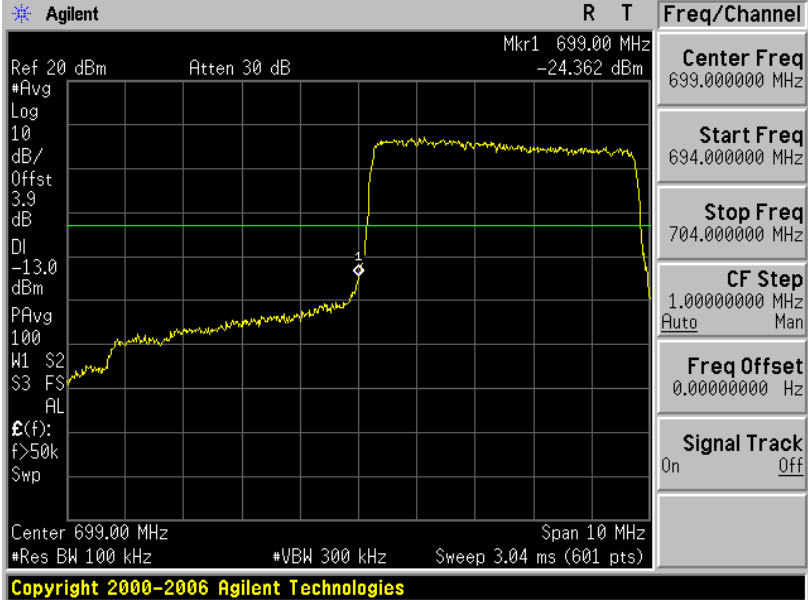
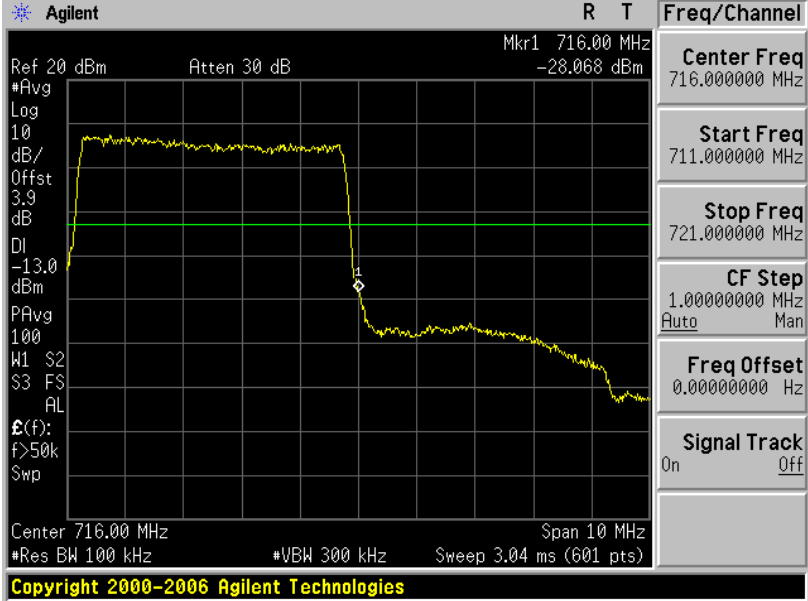
Operate Band	LTE Band 7	Channel Bandwidth	20 MHz	RB Allocated	100
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.500 00 GHz -31.724 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -10.0 dBm PAvg 100 W1 S2 S3 FS AL E(f): FTun Swp Center 2.500 00 GHz Span 40 MHz #Res BW 430 kHz #VBW 430 kHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies Center Freq 2.5000000 GHz Start Freq 2.4800000 GHz Stop Freq 2.5200000 GHz CF Step 4.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.570 00 GHz -31.874 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -10.0 dBm PAvg 100 W1 S2 S3 FS AL E(f): FTun Swp Center 2.570 00 GHz Span 40 MHz #Res BW 430 kHz #VBW 430 kHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies Center Freq 2.5700000 GHz Start Freq 2.5500000 GHz Stop Freq 2.5900000 GHz CF Step 4.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off				

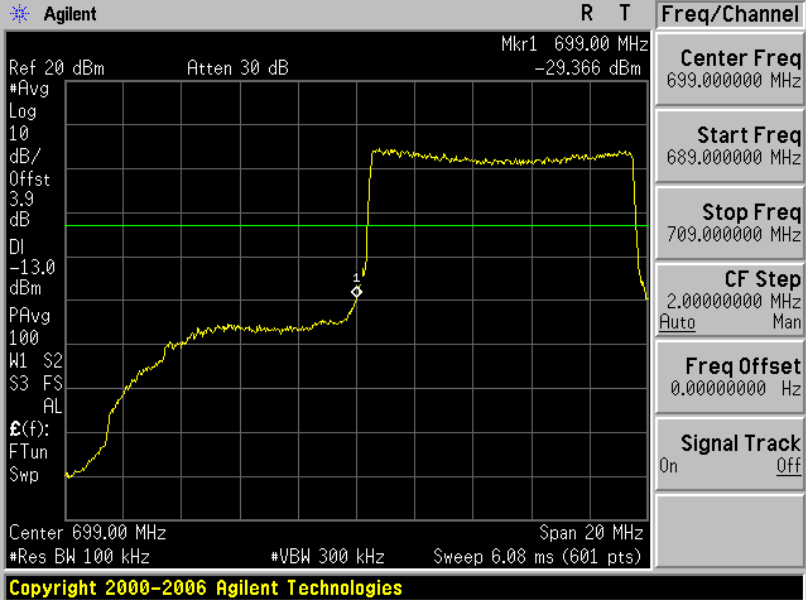
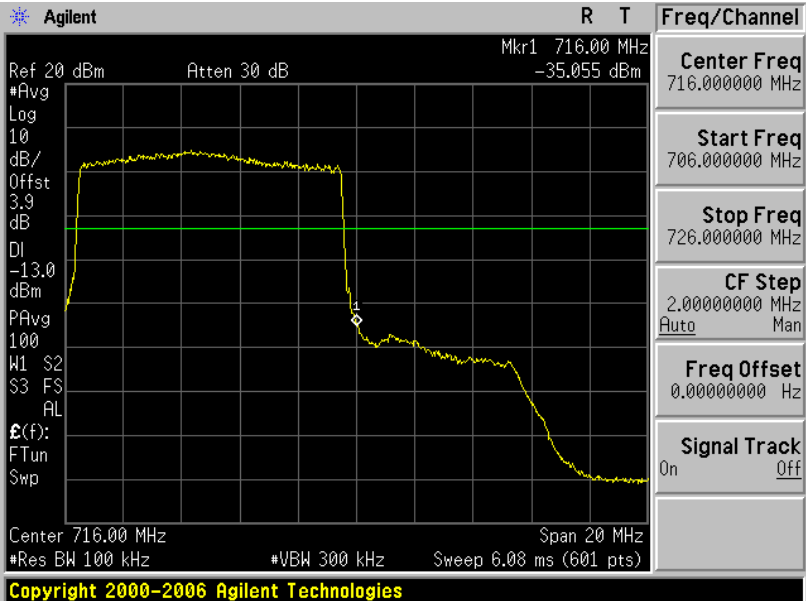
Operate Band	LTE Band 7	Channel Bandwidth	20MHz	RB Allocated	100
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.495 00 GHz -34.225 dBm Center Freq 2.4950000 GHz Start Freq 2.4750000 GHz Stop Freq 2.5150000 GHz CF Step 4.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Center 2.495 00 GHz Span 40 MHz *Res BW 1 MHz *VBW 3 MHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.575 00 GHz -34.204 dBm Center Freq 2.5750000 GHz Start Freq 2.5550000 GHz Stop Freq 2.5950000 GHz CF Step 4.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Center 2.575 00 GHz Span 40 MHz *Res BW 1 MHz *VBW 3 MHz Sweep 1 ms (601 pts) Copyright 2000-2005 Agilent Technologies				

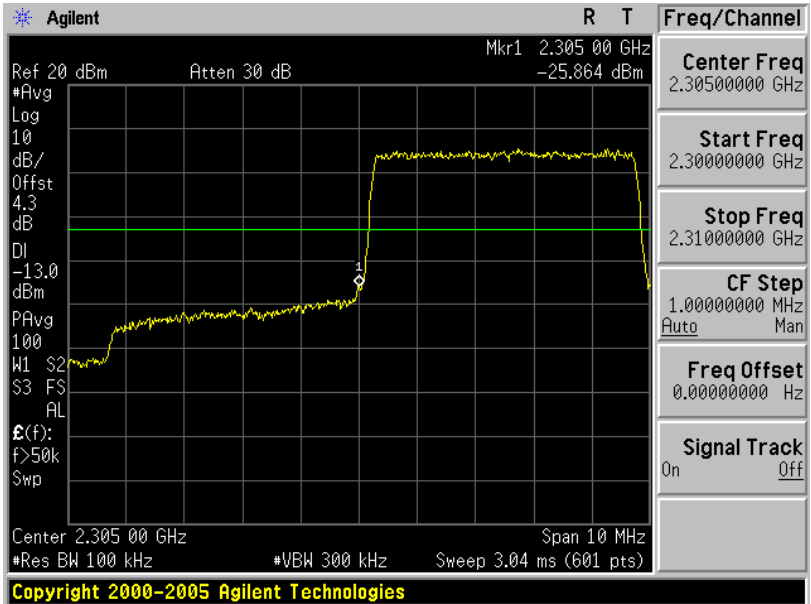
Operate Band	LTE Band 7	Channel Bandwidth	20MHz	RB Allocated	100
Lower Band Edge					
Higher Band Edge					

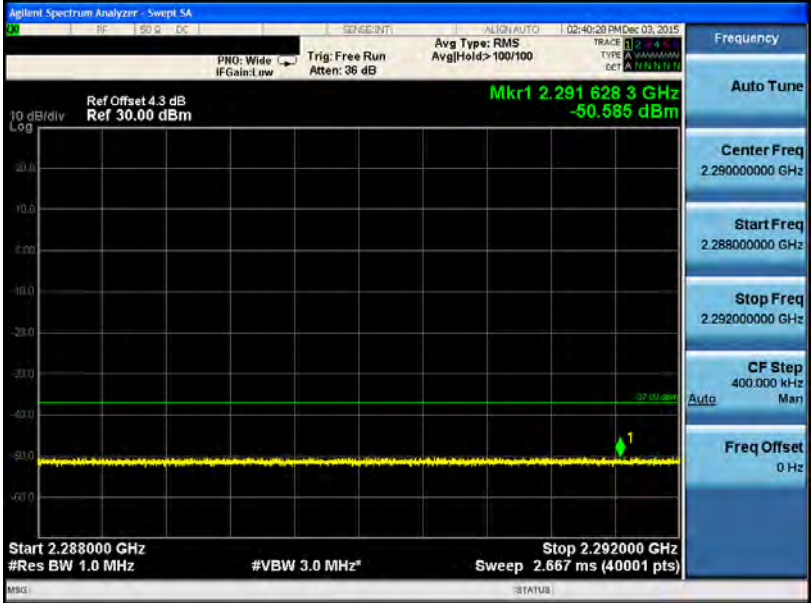
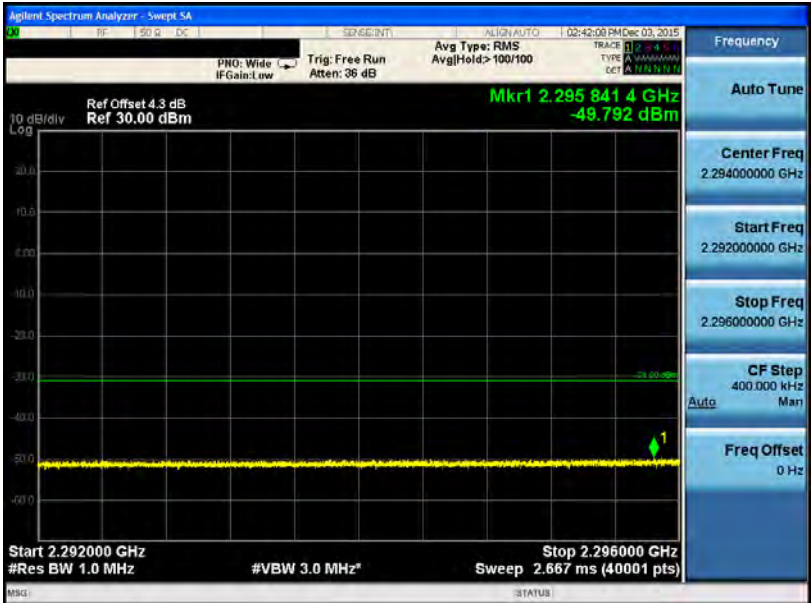
Operate Band	LTE Band 12	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 699.00 MHz -22.052 dBm #Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL $\mathcal{E}(f)$: f>50k Swp Center 699.00 MHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 699.000000 MHz Start Freq 694.000000 MHz Stop Freq 704.000000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 716.00 MHz -21.362 dBm #Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL $\mathcal{E}(f)$: f>50k Swp Center 716.00 MHz Span 10 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 716.000000 MHz Start Freq 711.000000 MHz Stop Freq 721.000000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				

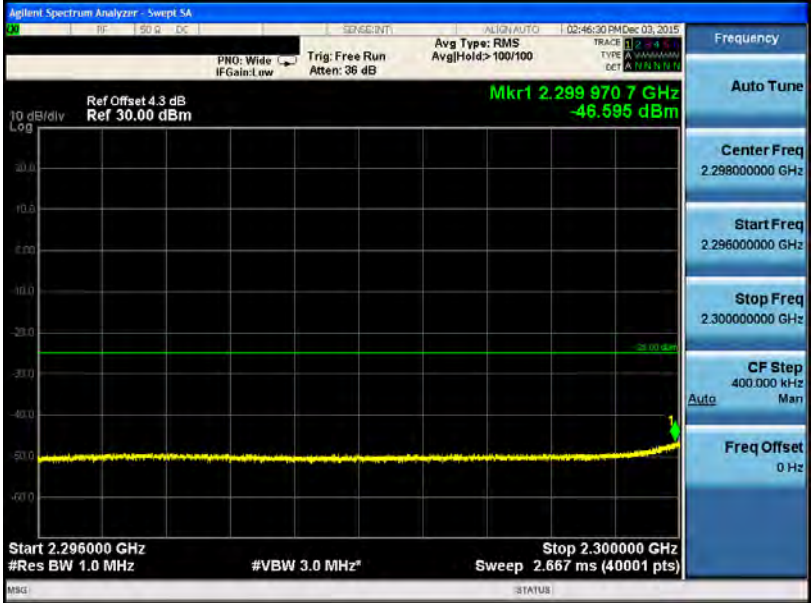
Operate Band	LTE Band 12	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 699.00 MHz -18.501 dBm Center Freq 699.000000 MHz Start Freq 694.000000 MHz Stop Freq 704.000000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 699.00 MHz Span 10 MHz *Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2006 Agilent Technologies				
Higher Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 716.00 MHz -19.670 dBm Center Freq 716.000000 MHz Start Freq 711.000000 MHz Stop Freq 721.000000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 716.00 MHz Span 10 MHz *Res BW 100 kHz #VBW 300 kHz Sweep 3.04 ms (601 pts) Copyright 2000-2006 Agilent Technologies				

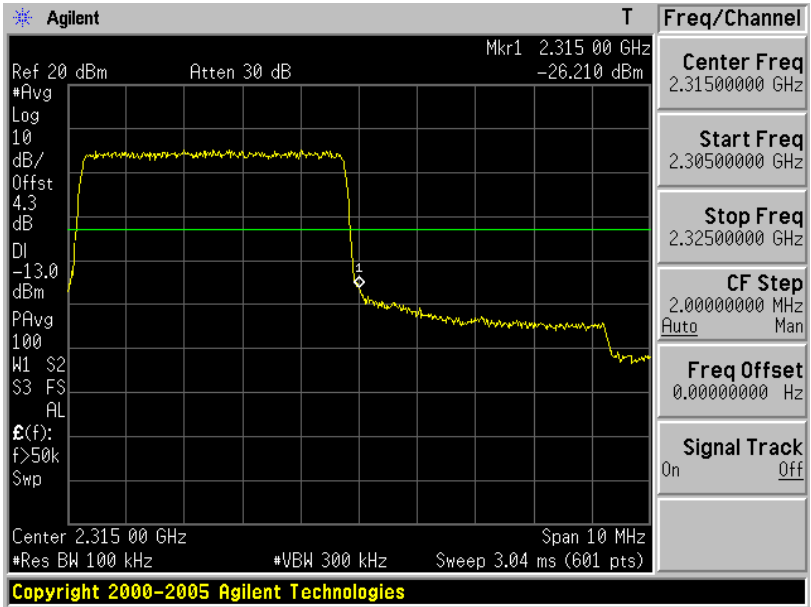
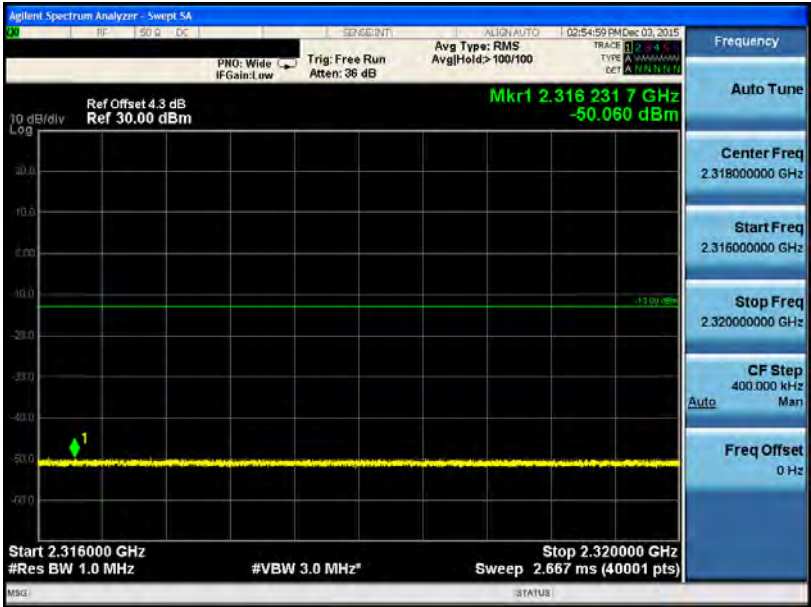
Operate Band	LTE Band 12	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	 Copyright 2000-2006 Agilent Technologies				
Higher Band Edge	 Copyright 2000-2006 Agilent Technologies				

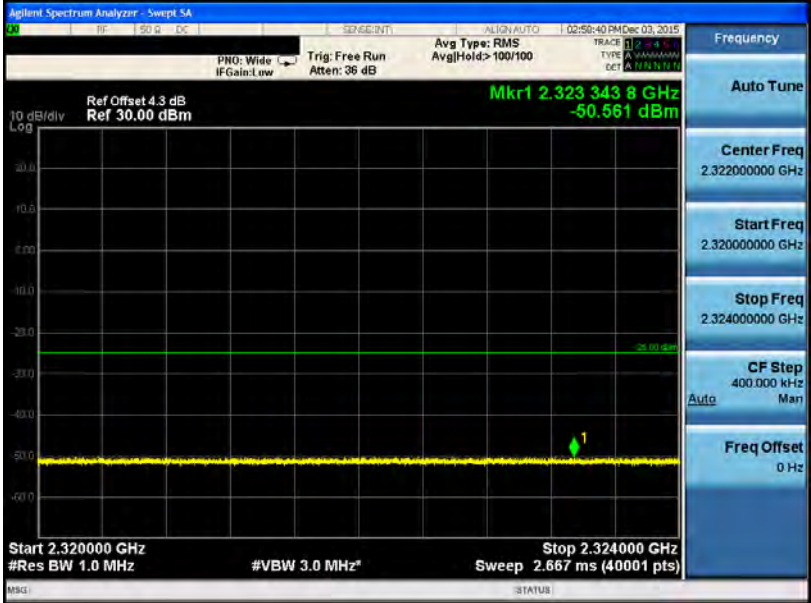
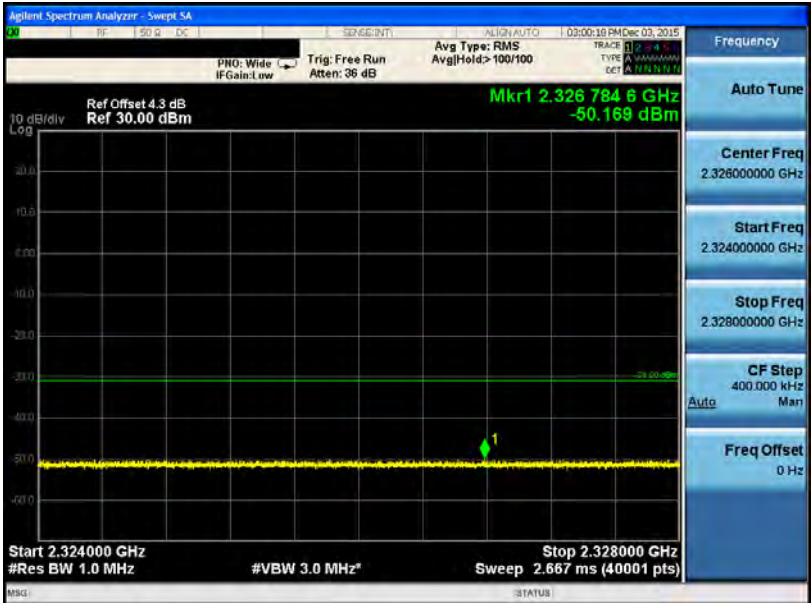
Operate Band	LTE Band 12	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge	 Agilent R T Freq/Channel Mkr1 699.00 MHz Ref 20 dBm Atten 30 dB Center Freq 699.000000 MHz Start Freq 689.000000 MHz Stop Freq 709.000000 MHz CF Step 2.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 699.00 MHz Span 20 MHz Res BW 100 kHz VBW 300 kHz Sweep 6.08 ms (601 pts) Copyright 2000-2006 Agilent Technologies				
Lower Band Edge	 Agilent R T Freq/Channel Mkr1 716.00 MHz Ref 20 dBm Atten 30 dB Center Freq 716.000000 MHz Start Freq 706.000000 MHz Stop Freq 726.000000 MHz CF Step 2.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Center 716.00 MHz Span 20 MHz Res BW 100 kHz VBW 300 kHz Sweep 6.08 ms (601 pts) Copyright 2000-2006 Agilent Technologies				

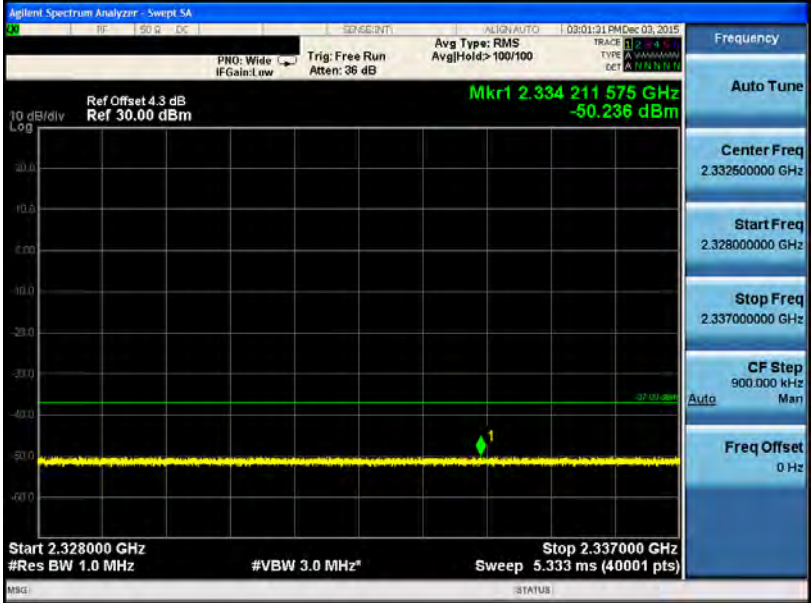
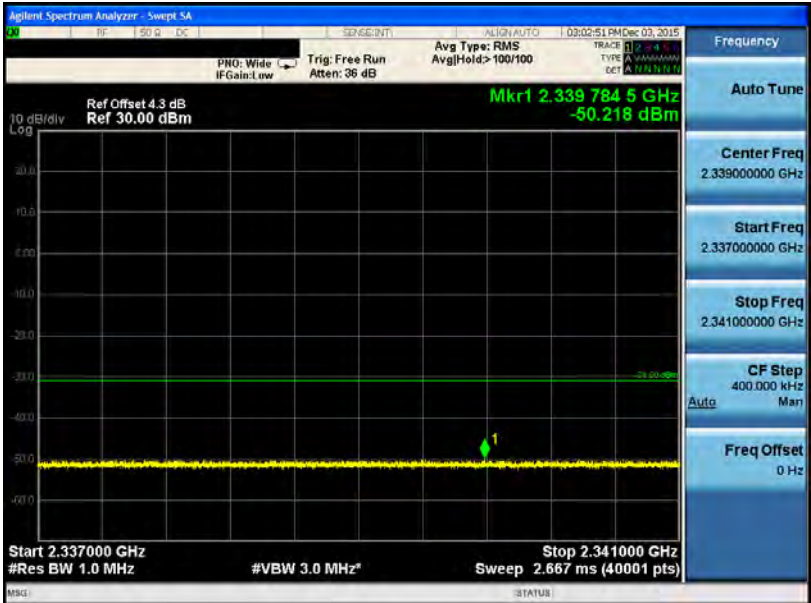
Operate Band	LTE Band 30	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	 Copyright 2000-2005 Agilent Technologies				
Lower Band Edge					

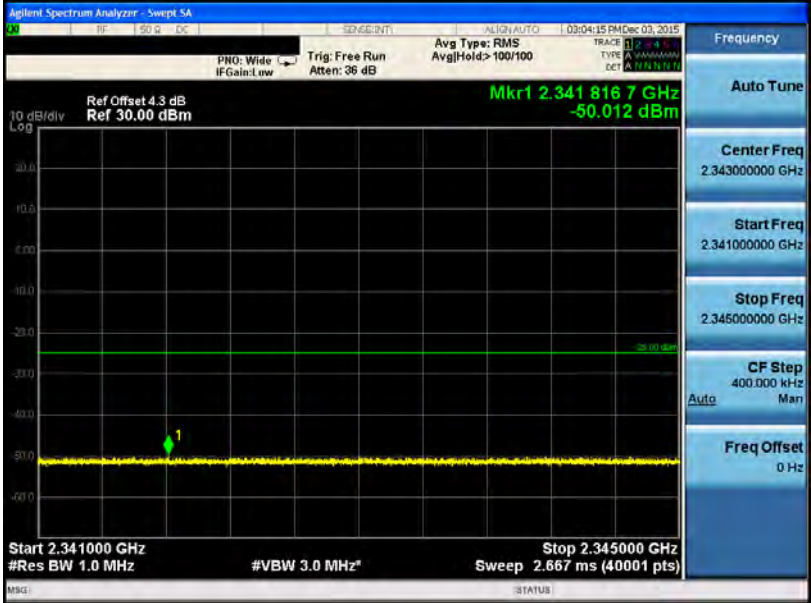
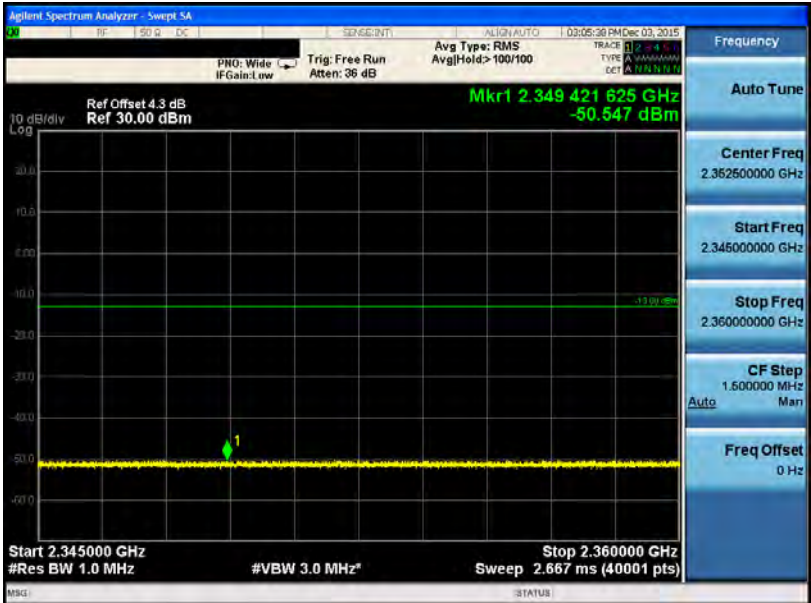
Operate Band	LTE Band 30	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50.0 DC S2:CC:30T1 ALIGN: AUTO 02:40:28 PM Dec 03, 2015 PN0: Wide Trig: Free Run Avg Type: RMS AvgHold: 100/100 IF Gain: 1.0w Atten: 36 dB Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.291 628 3 GHz -50.585 dBm 10 dB/div Log Start 2.288000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Stop 2.292000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.290000000 GHz Start Freq 2.288000000 GHz Stop Freq 2.292000000 GHz CF Step 400.000 kHz Man Freq Offset 0 Hz				
Lower Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50.0 DC S2:CC:30T1 ALIGN: AUTO 02:42:00 PM Dec 03, 2015 PN0: Wide Trig: Free Run Avg Type: RMS AvgHold: 100/100 IF Gain: 1.0w Atten: 36 dB Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.295 841 4 GHz -49.792 dBm 10 dB/div Log Start 2.292000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Stop 2.296000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.294000000 GHz Start Freq 2.292000000 GHz Stop Freq 2.296000000 GHz CF Step 400.000 kHz Man Freq Offset 0 Hz				

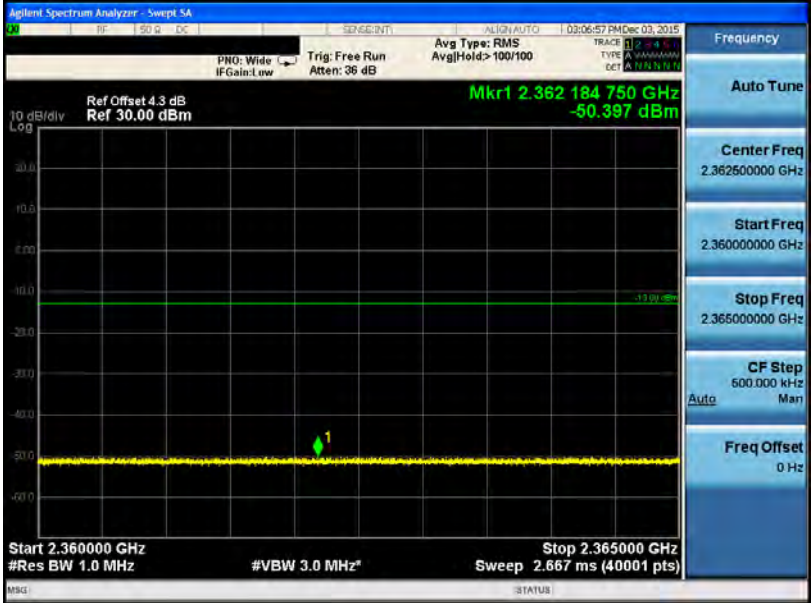
Operate Band	LTE Band 30	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.299 970 7 GHz -46.595 dBm Start 2.296000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.300000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.298000000 GHz Start Freq 2.296000000 GHz Stop Freq 2.300000000 GHz CF Step 400.000 kHz Freq Offset 0 Hz				
Lower Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: Log-Pwr Avg Hold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.303 998 4 GHz -17.108 dBm Start 2.300000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.304000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.302000000 GHz Start Freq 2.300000000 GHz Stop Freq 2.304000000 GHz CF Step 400.000 kHz Freq Offset 0 Hz				

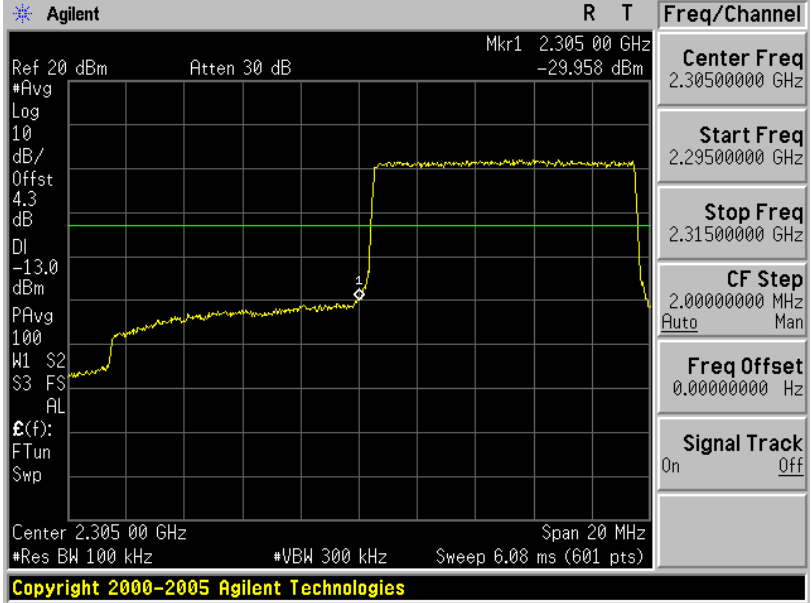
Operate Band	LTE Band 30	Channel Bandwidth	5 MHz	RB Allocated	25
Higher Band Edge	 Agilent Spectrum Analyzer screenshot showing a signal at 2.315 GHz with a power level of -26.21 dBm. The display includes various settings like Ref 20 dBm, Atten 30 dB, and a span of 10 MHz.				
Higher Band Edge	 Agilent Spectrum Analyzer screenshot showing a signal at 2.316 GHz with a power level of -50.06 dBm. The display includes various settings like Ref Offset 4.3 dB, Ref 30.00 dBm, and a span of 3.0 MHz.				

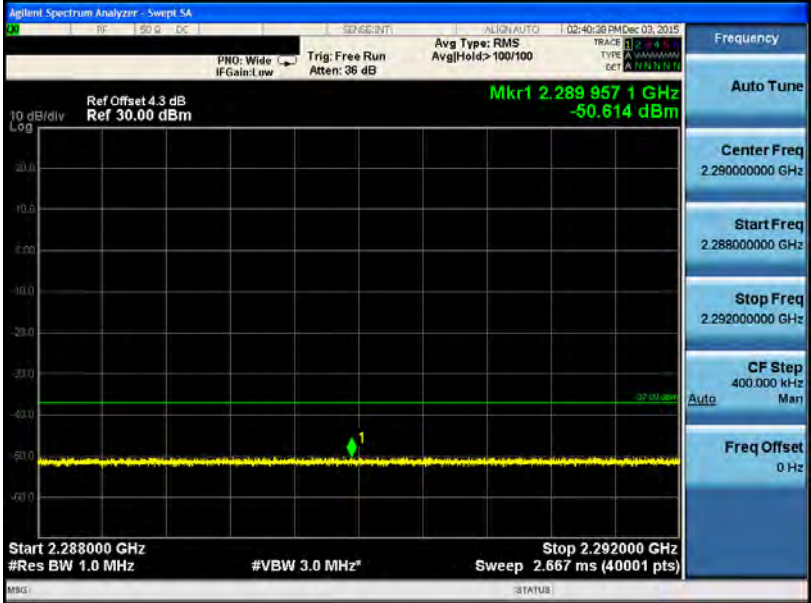
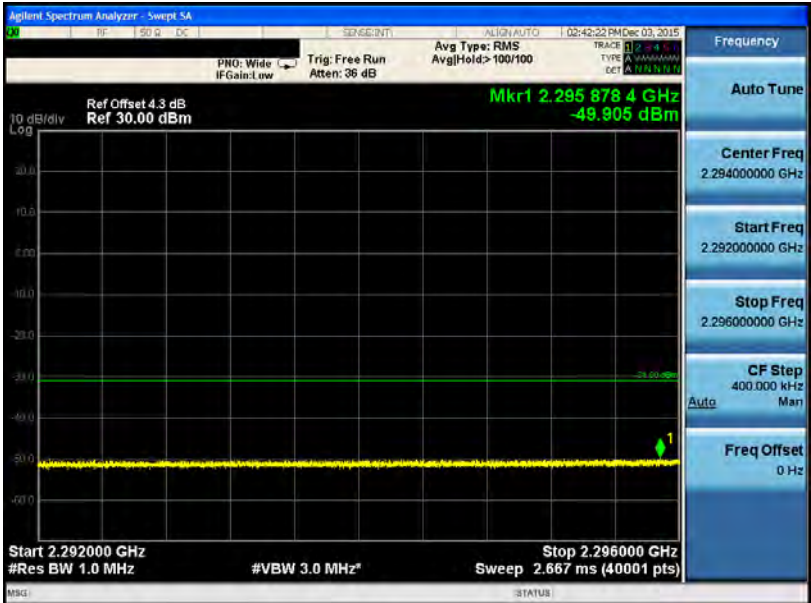
Operate Band	LTE Band 30	Channel Bandwidth	5 MHz	RB Allocated	25
Higher Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.323 343 8 GHz -50.561 dBm 10 dB/div Log Start 2.320000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Stop 2.324000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.322000000 GHz Start Freq 2.320000000 GHz Stop Freq 2.324000000 GHz CF Step 400.000 kHz Man Freq Offset 0 Hz				
Higher Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.326 784 6 GHz -50.169 dBm 10 dB/div Log Start 2.324000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Stop 2.328000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.326000000 GHz Start Freq 2.324000000 GHz Stop Freq 2.328000000 GHz CF Step 400.000 kHz Man Freq Offset 0 Hz				

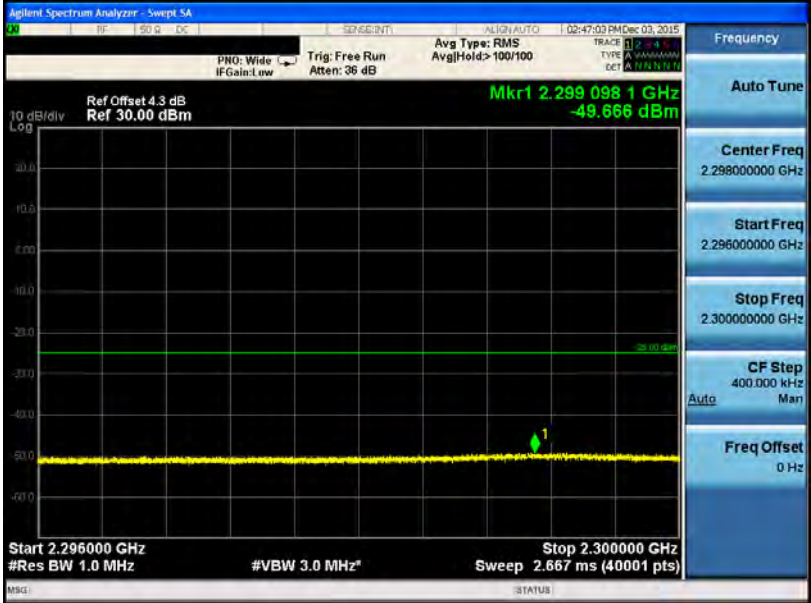
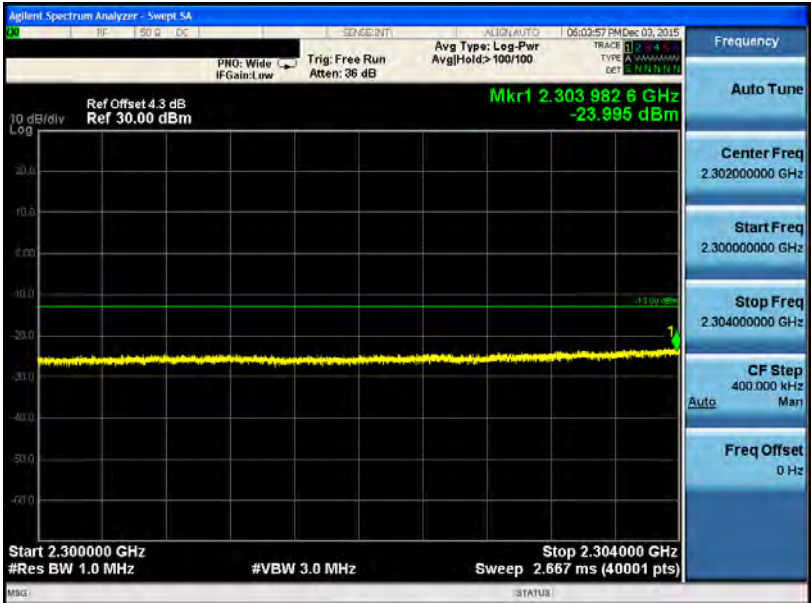
Operate Band	LTE Band 30	Channel Bandwidth	5 MHz	RB Allocated	25
Higher Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.334 211 575 GHz -50.236 dBm 10 dB/div Log Start 2.328000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Stop 2.337000 GHz Sweep 5.333 ms (40001 pts) Frequency Auto Tune Center Freq 2.332600000 GHz Start Freq 2.328000000 GHz Stop Freq 2.337000000 GHz CF Step 900.000 kHz Man Freq Offset 0 Hz				
Higher Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.339 784 5 GHz -50.218 dBm 10 dB/div Log Start 2.337000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Stop 2.341000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.339000000 GHz Start Freq 2.337000000 GHz Stop Freq 2.341000000 GHz CF Step 400.000 kHz Man Freq Offset 0 Hz				

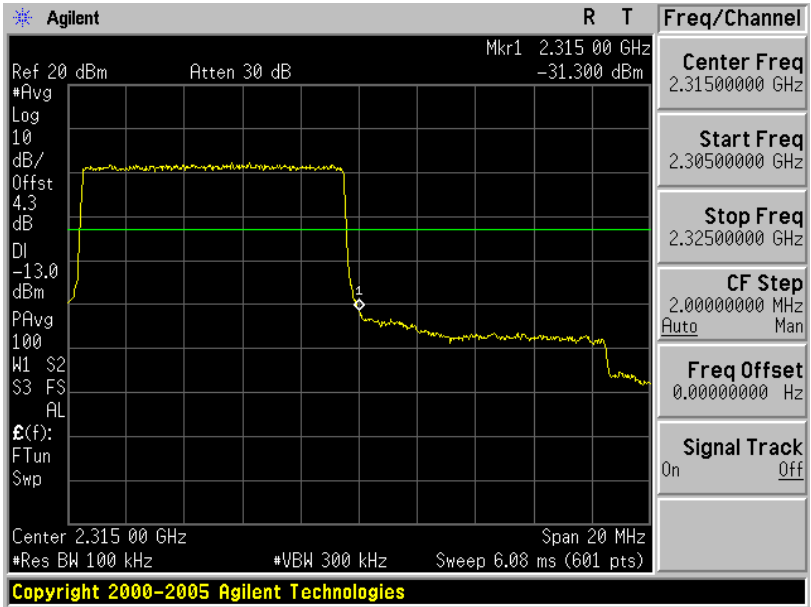
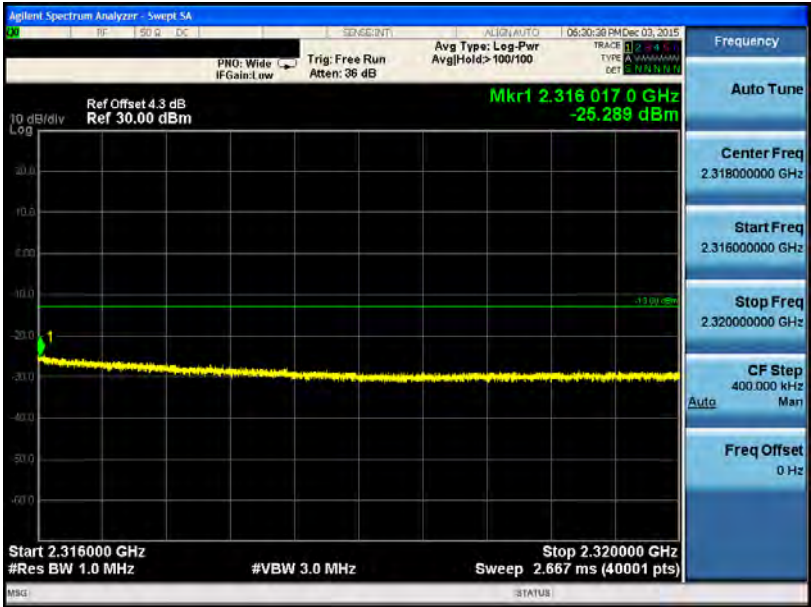
Operate Band	LTE Band 30	Channel Bandwidth	5 MHz	RB Allocated	25
Higher Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.341 816 7 GHz -50.012 dBm 10 dB/div Log Start 2.341000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.345000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.343000000 GHz Start Freq 2.341000000 GHz Stop Freq 2.345000000 GHz CF Step 400.000 kHz Auto Freq Offset 0 Hz				
Higher Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.349 421 625 GHz -50.547 dBm 10 dB/div Log Start 2.345000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.360000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.352500000 GHz Start Freq 2.345000000 GHz Stop Freq 2.360000000 GHz CF Step 1.50000 MHz Auto Freq Offset 0 Hz				

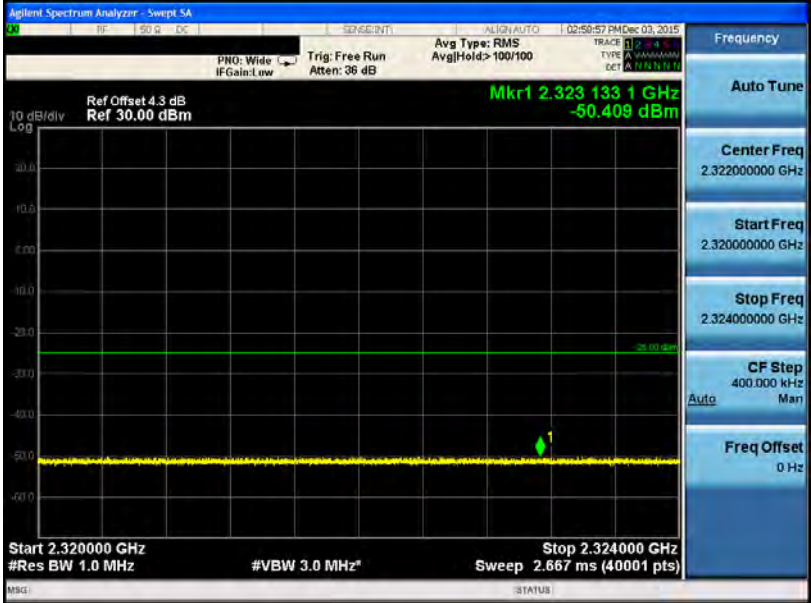
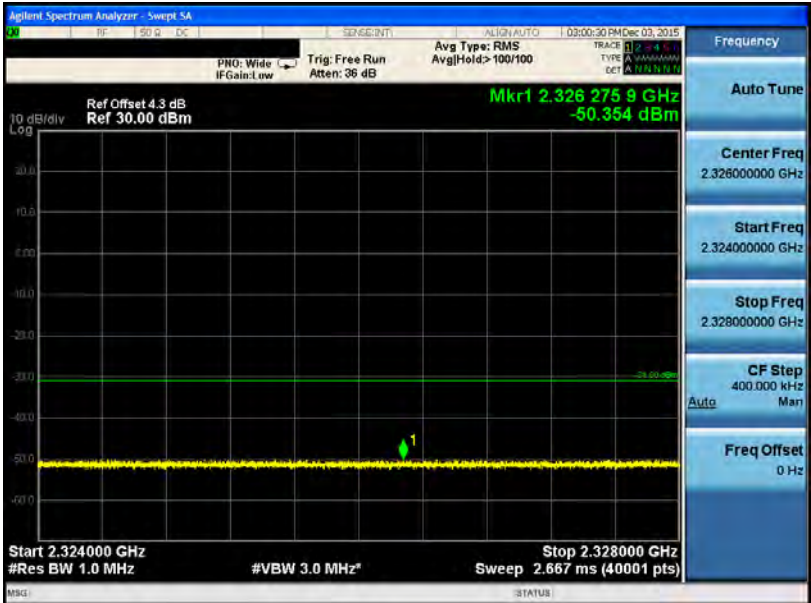
Operate Band	LTE Band 30	Channel Bandwidth	5 MHz	RB Allocated	25
Higher Band Edge	 The screenshot shows an Agilent Spectrum Analyzer interface. The main display area shows a spectrum plot with a grid. A signal is visible at 2.362184750 GHz, marked with a green 'Mkr1' and a power level of -50.397 dBm. The plot has a vertical scale of 10 dB/div and a horizontal scale of 1.0 MHz. The frequency range is from 2.360000 GHz to 2.365000 GHz. The resolution bandwidth (RBW) is 3.0 MHz. The reference level is 30.00 dBm. The display also shows various settings like 'Ref Offset 4.3 dB', 'PNO: Wide', 'Trig: Free Run', 'Atten: 36 dB', 'Avg Type: RMS', and 'Avg Hold: 100/100'. The right side of the screen has a 'Frequency' panel with buttons for 'Auto Tune', 'Center Freq', 'Start Freq', 'Stop Freq', 'CF Step', and 'Freq Offset'.				

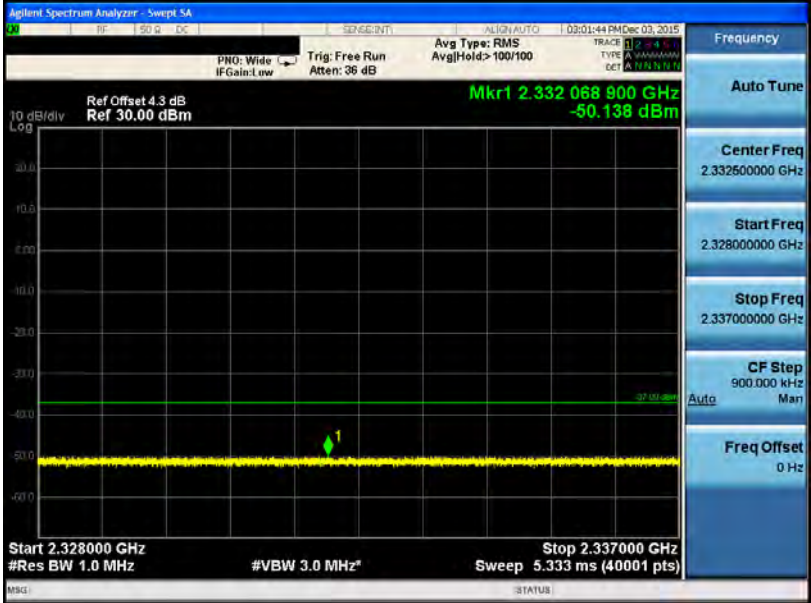
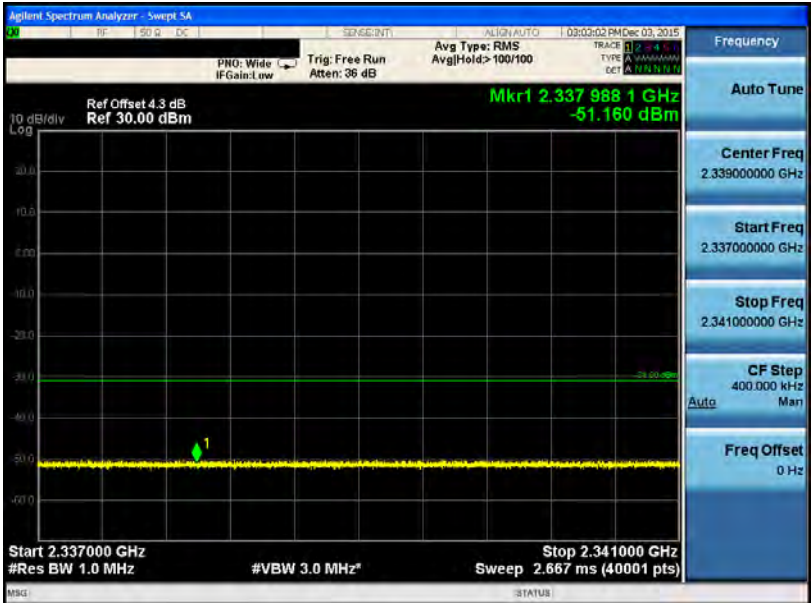
Operate Band	LTE Band 30	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
Lower Band Edge					

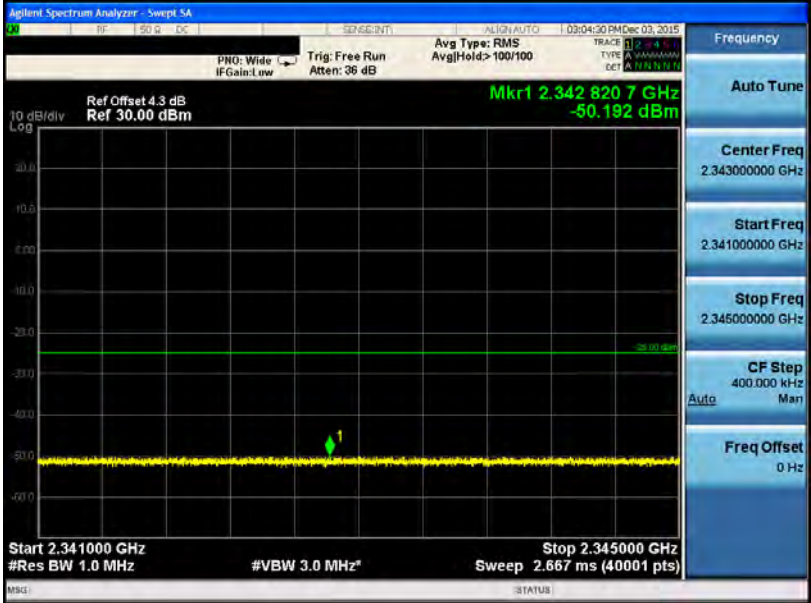
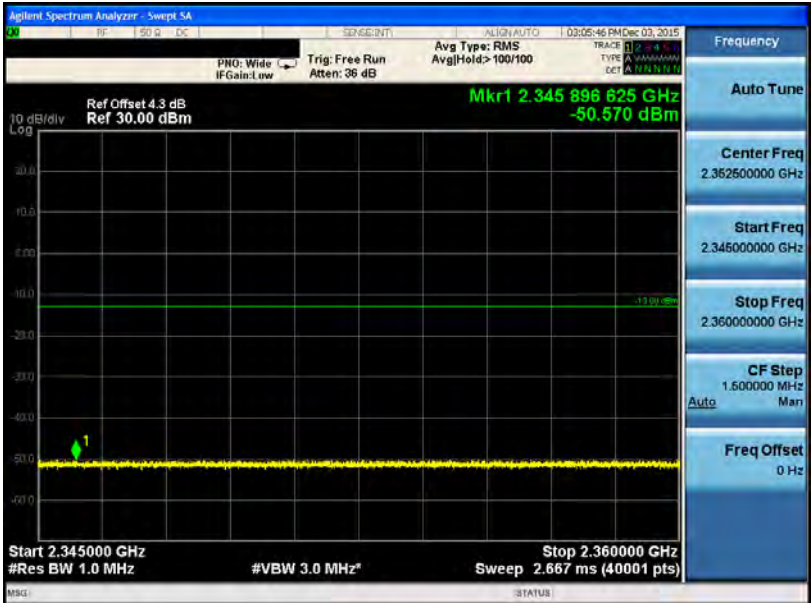
Operate Band	LTE Band 30	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
Lower Band Edge					

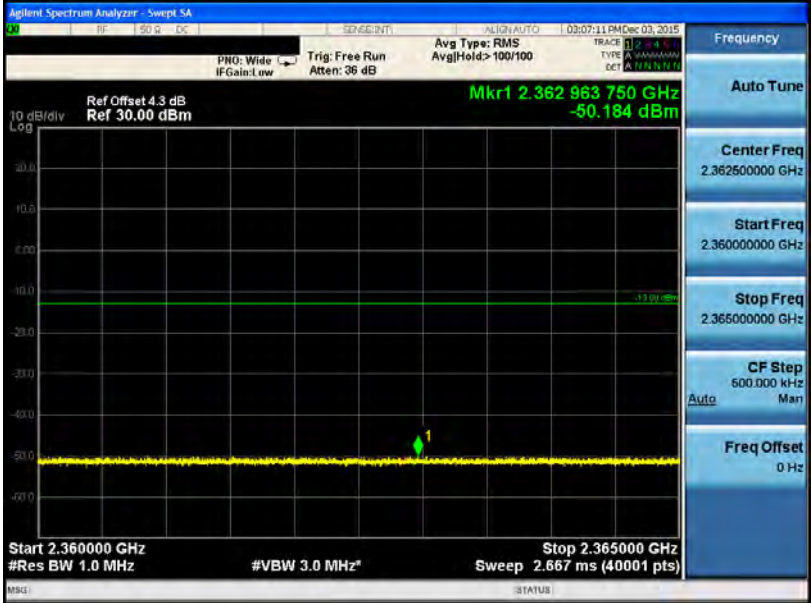
Operate Band	LTE Band 30	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.299 098 1 GHz -49.666 dBm 10 dB/div Log Start 2.296000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.300000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.298000000 GHz Start Freq 2.296000000 GHz Stop Freq 2.300000000 GHz CF Step 400.000 kHz Freq Offset 0 Hz				
Lower Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: Log-Pwr Avg Hold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.303 982 6 GHz -23.995 dBm 10 dB/div Log Start 2.300000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.304000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.302000000 GHz Start Freq 2.300000000 GHz Stop Freq 2.304000000 GHz CF Step 400.000 kHz Freq Offset 0 Hz				

Operate Band	LTE Band 30	Channel Bandwidth	10 MHz	RB Allocated	50
Higher Band Edge	 Agilent Spectrum Analyzer screenshot. The display shows a signal at 2.315 GHz with a sharp drop at the band edge. The y-axis is labeled 'dBm' and ranges from -13.0 to 20.0. The x-axis is labeled 'Center 2.315 00 GHz' and 'Span 20 MHz'. The signal level is marked as 'Mkr1 2.315 00 GHz -31.300 dBm'. The interface includes various settings like 'Ref 20 dBm', 'Atten 30 dB', 'Log', 'dB/10', 'Offst 4.3 dB', 'DI -13.0 dBm', 'PAvg 100', 'W1 S2', 'S3 FS', 'AL', 'E(f): FTun', 'Swp', 'Center 2.315 00 GHz', 'Res BW 100 kHz', 'VBW 300 kHz', 'Sweep 6.08 ms (601 pts)', and 'Copyright 2000-2005 Agilent Technologies'.				
Higher Band Edge	 Agilent Spectrum Analyzer screenshot. The display shows a signal at 2.316 GHz with a sharp drop at the band edge. The y-axis is labeled '10 dB/div Log' and ranges from -60.0 to 20.0. The x-axis is labeled 'Start 2.316000 GHz', 'Res BW 1.0 MHz', 'Stop 2.320000 GHz', and 'Sweep 2.667 ms (40001 pts)'. The signal level is marked as 'Mkr1 2.316 017 0 GHz -25.289 dBm'. The interface includes various settings like 'Ref Offset 4.3 dB', 'Ref 30.00 dBm', 'PNO: Wide', 'IF Gain: low', 'Trig: Free Run', 'Atten: 36 dB', 'Avg Type: Log-Pwr', 'Avg Hold: 100/100', 'Auto Tune', 'Center Freq 2.318000000 GHz', 'Start Freq 2.316000000 GHz', 'Stop Freq 2.320000000 GHz', 'CF Step 400.000 kHz', 'Freq Offset 0 Hz', and 'MSG: (STATUS)'.				

Operate Band	LTE Band 30	Channel Bandwidth	10 MHz	RB Allocated	50
Higher Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.323 133 1 GHz -50.409 dBm 10 dB/div Log Start 2.320000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.324000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.322000000 GHz Start Freq 2.320000000 GHz Stop Freq 2.324000000 GHz CF Step 400.000 kHz Auto Freq Offset 0 Hz				
Higher Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.326 275 9 GHz -50.354 dBm 10 dB/div Log Start 2.324000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.328000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.326000000 GHz Start Freq 2.324000000 GHz Stop Freq 2.328000000 GHz CF Step 400.000 kHz Auto Freq Offset 0 Hz				

Operate Band	LTE Band 30	Channel Bandwidth	10 MHz	RB Allocated	50
Higher Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.332 068 900 GHz -50.138 dBm 10 dB/div Log Start 2.328000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Stop 2.337000 GHz Sweep 5.333 ms (40001 pts) Frequency Auto Tune Center Freq 2.332600000 GHz Start Freq 2.328000000 GHz Stop Freq 2.337000000 GHz CF Step 900.000 kHz Man Freq Offset 0 Hz				
Higher Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.337 988 1 GHz -51.160 dBm 10 dB/div Log Start 2.337000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Stop 2.341000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.339000000 GHz Start Freq 2.337000000 GHz Stop Freq 2.341000000 GHz CF Step 400.000 kHz Man Freq Offset 0 Hz				

Operate Band	LTE Band 30	Channel Bandwidth	10 MHz	RB Allocated	50
Higher Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.342 820 7 GHz -50.192 dBm 10 dB/div Log Start 2.341000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.345000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.343000000 GHz Start Freq 2.341000000 GHz Stop Freq 2.345000000 GHz CF Step 400.000 kHz Auto Freq Offset 0 Hz				
Higher Band Edge	 Agilent Spectrum Analyzer - Swept SA RF 50 GHz DC PN0: Wide IF Gain: 1.0w Trig: Free Run Atten: 36 dB Avg Type: RMS AvgHold: 100/100 Ref Offset 4.3 dB Ref 30.00 dBm Mkr1 2.345 896 625 GHz -50.570 dBm 10 dB/div Log Start 2.345000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 2.360000 GHz Sweep 2.667 ms (40001 pts) Frequency Auto Tune Center Freq 2.352500000 GHz Start Freq 2.345000000 GHz Stop Freq 2.360000000 GHz CF Step 1.50000 MHz Auto Freq Offset 0 Hz				

Operate Band	LTE Band 30	Channel Bandwidth	10 MHz	RB Allocated	50
Higher Band Edge	 The screenshot shows an Agilent Spectrum Analyzer interface. The main display area shows a spectrum plot with a yellow trace. A green marker 'Mkr1' is placed at 2.362963750 GHz, indicating a power level of -50.184 dBm. The plot has a grid with a vertical scale of 10 dB/div and a horizontal scale of 1.0 MHz. The frequency range is from 2.360000 GHz to 2.365000 GHz. The resolution bandwidth (RBW) is 3.0 MHz, and the video bandwidth (VBW) is 1.0 MHz. The sweep time is 2.667 ms. The reference level is 30.00 dBm, and the reference offset is 4.3 dB. The display also shows various settings like 'PNO: Wide', 'Trig: Free Run', 'Atten: 36 dB', 'Avg Type: RMS', and 'Avg Hold: 100/100'. The right side of the screen has a 'Frequency' panel with buttons for 'Auto Tune', 'Center Freq', 'Start Freq', 'Stop Freq', 'CF Step', and 'Freq Offset'.				