

FCC

RF Test Report

Product Type : Mobile Hot Spot
Applicant : Netgear Inc.
Address : 350 East Plumeria Drive, San Jose, CA 95134
Trade Name : Netgear
Model Number : AC779S-100
Test Specification : FCC 47 CFR PART 22H: Oct, 2014
FCC 47 CFR PART 24E: Oct, 2014
FCC 47 CFR PART 27: Oct. 2014
FCC 47 CFR PART 90: Oct, 2014
ANSI/TIA-603-C-2004
Application Purpose : Original
Receive Date : Jan. 30, 2015
Test Period : Feb. 10 ~ 14, 2015
Issue Date : Mar. 09, 2015

Issue by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade City,
Taoyuan County 334, Taiwan R.O.C.
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330

Note: This report shall not be reproduced except in full, without the written approval of A Test Lab Techno Corp. This document may be altered or revised by A Test Lab Techno Corp. personnel only, and shall be noted in the revision section of the document. The client should not use it to claim product endorsement by TAF, or any government agencies. The test results in the report only apply to the tested sample.

Revision History

Rev.	Issue Date	Revisions	Revised By
00	Feb. 25, 2015	Initial Issue	
01	Mar. 03, 2015	Revised report information.	Peggy Chnag
02	Mar. 09, 2015	Revised report information.	Peggy Chnag

Verification of Compliance

Issued Date: 03/09/2015

Product Type : Mobile Hot Spot
Applicant : Netgear Inc.
Address : 350 East Plumeria Drive, San Jose, CA 95134
Trade Name : Netgear
Model Number : AC779S-100
FCC ID : PY3AC779SS
EUT Rated Voltage : DC 5V, 1.0A
Test Voltage : 120 Vac / 60 Hz
Applicable Standard : FCC 47 CFR PART 22H: Oct, 2013
FCC 47 CFR PART 24E: Oct, 2013
FCC 47 CFR PART 27: Oct, 2013
FCC 47 CFR PART 90: Oct, 2013
ANSI/TIA-603-C-2004
Test Result : Complied
Application Purpose : Original
Performing Lab. : A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade City,
Taoyuan County 334, Taiwan R.O.C.
Tel : +886-3-2710188 / Fax : +886-3-2710190

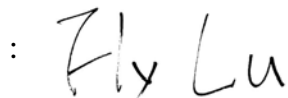


Taiwan Accreditation Foundation accreditation number: 1330
<http://www.atl-lab.com.tw/e-index.htm>

The above equipment was tested by A Test Lab Techno Corp. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4:2014 and the energy emitted by the sample tested as described in this report is in compliance with the requirements of FCC Rules Part 27L.

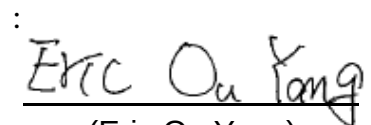
The test results of this report relate only to the tested sample identified in this report.

Approved By



(Manager)

Reviewed By



(Testing Engineer)

(Eric Ou Yang)

TABLE OF CONTENTS

1	General Information.....	6
1.1.	EUT Description	6
1.2.	Mode of Operation.....	9
1.3.	EUT Exercise Software	20
1.4.	Configuration of Test System Details	20
1.5.	Test Site Environment	20
1.6.	Summary of Test Result	21
2	Conducted Output Average Power Test.....	22
2.1.	Limit	22
2.2.	Test Instruments	22
2.3.	Test Setup.....	22
2.4.	Test Procedure	22
2.5.	Uncertainty	22
2.6.	Test Result.....	23
3	Effective Radiated Power / Equivalent Isotropic Radiated Power Test.....	62
3.1.	Limit	62
3.2.	Test Instruments	62
3.3.	Test Setup.....	62
3.4.	Test Procedure	64
3.5.	Uncertainty	64
3.6.	Test Result.....	65
4	Frequency Stability Test	79
4.1.	Limit	79
4.2.	Test Instruments	79
4.3.	Setup	79
4.4.	Test Procedure	80
4.5.	Uncertainty	80
4.6.	Test Result ()	81
5	Emission Bandwidth & Occupied Bandwidth Test	85
5.1.	Limit	85
5.2.	Test Instruments	85
5.3.	Setup	85
5.4.	Test Procedure	86
5.5.	Uncertainty	86
5.6.	Test Result.....	87
5.7.	Test Graphs	95

6	Peak to Average Ratio Test	173
6.1.	Limit	173
6.2.	Test Instruments	173
6.3.	Setup	173
6.4.	Test Procedure	174
6.5.	Uncertainty	174
6.6.	Test Result.....	175
6.7.	Test Graphs	178
7	Band Edge Test.....	217
7.1.	Limit	217
7.2.	Test Instruments	217
7.3.	Setup	218
7.4.	Test Procedure	218
7.5.	Uncertainty	218
7.6.	Test Result.....	219
8	Conducted Spurious Emission Test.....	272
8.1.	Limit	272
8.2.	Test Instruments	272
8.3.	Setup	272
8.4.	Test Procedure	273
8.5.	Uncertainty	273
8.6.	Test Graphs	274
9	Radiated Emission Test	388
9.1.	Limit	388
9.2.	Test Instruments	388
9.3.	Setup	388
9.4.	Test Procedure	389
9.5.	Uncertainty	389
9.6.	Test Result.....	390

1 General Information

1.1. EUT Description

Applicant		Netgear Inc.			
Applicant Address		350 East Plumeria Drive, San Jose, CA 95134			
Manufacturer		Netgear Inc.			
Manufacturer Address		Suite 168 – 10760 Shellbridge Way, Richmond, BC Canada V6X 3H1			
Product Type		Mobile Hot Spot			
Trade Name		Netgear			
Model Number		AC779S-100			
Hardware Version		DV3			
Software Version		NTG9X15A 00.03.05.00			
FCC ID		PY3AC779SS			
Mode	LTE	Band	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
		2	1850.7 ~ 1909.3	1930.7 ~ 1989.3	QPSK, 16QAM
		4	1710.7 ~ 1754.3	2110.7 ~ 2154.3	QPSK, 16QAM
		5	824.7 ~ 848.3	869.7 ~ 893.3	QPSK, 16QAM
		12	699 ~ 716	729 ~ 746	QPSK, 16QAM
		25	1852.5 ~ 1912.5	1932.5 ~ 1992.5	QPSK, 16QAM
		26	816.5 ~ 846.5	861.5 ~ 891.5	QPSK, 16QAM
			Note: 814-824MHz – Part 90S 824-849MHz – Part 22E		
		Band	Allocation (MHz)		Modulation
		41	2498.5 ~ 2687.5		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 12	1.4M, 3M, 5MHz, 10MHz		
		LTE Band 25	1.4M, 3M, 5MHz, 10MHz, 15MHz, 20MHz		
		LTE Band 26	1.4M, 3M, 5MHz, 10MHz, 15MHz		
		LTE Band 41	5MHz, 10MHz, 15MHz, 20MHz		
Type of Antenna		FPC (Flexible Print Circuit) Antenna			
Antenna Gain		LTE Band 2	3.96 dBi		
		LTE Band 4	2.68 dBi		
		LTE Band 5	0.86 dBi		
		LTE Band 12	-0.67 dBi		
		LTE Band 25	3.96 dBi		
		LTE Band 26	0.86 dBi		
		LTE Band 41	3.68 dBi		

Max. Conducted Output Average Power	LTE Band 2 (Channel Bandwidth 1.4MHz)	0.197	W
	LTE Band 2 (Channel Bandwidth 3MHz)	0.200	W
	LTE Band 2 (Channel Bandwidth 5MHz)	0.198	W
	LTE Band 2 (Channel Bandwidth 10MHz)	0.200	W
	LTE Band 2 (Channel Bandwidth 15MHz)	0.207	W
	LTE Band 2 (Channel Bandwidth 20MHz)	0.211	W
	LTE Band 4 (Channel Bandwidth 1.4MHz)	0.158	W
	LTE Band 4 (Channel Bandwidth 3MHz)	0.158	W
	LTE Band 4 (Channel Bandwidth 5MHz)	0.158	W
	LTE Band 4 (Channel Bandwidth 10MHz)	0.160	W
	LTE Band 4 (Channel Bandwidth 15MHz)	0.160	W
	LTE Band 4 (Channel Bandwidth 20MHz)	0.159	W
	LTE Band 5 (Channel Bandwidth 1.4MHz)	0.175	W
	LTE Band 5 (Channel Bandwidth 3MHz)	0.172	W
	LTE Band 5 (Channel Bandwidth 5MHz)	0.171	W
	LTE Band 5 (Channel Bandwidth 10MHz)	0.169	W
	LTE Band 12 (Channel Bandwidth 1.4MHz)	0.160	W
	LTE Band 12 (Channel Bandwidth 3MHz)	0.158	W
	LTE Band 12 (Channel Bandwidth 5MHz)	0.160	W
	LTE Band 12 (Channel Bandwidth 10MHz)	0.162	W
	LTE Band 25 (Channel Bandwidth 1.4MHz)	0.190	W
	LTE Band 25 (Channel Bandwidth 3MHz)	0.190	W
	LTE Band 25 (Channel Bandwidth 5MHz)	0.191	W
	LTE Band 25 (Channel Bandwidth 10MHz)	0.201	W
	LTE Band 25 (Channel Bandwidth 15MHz)	0.215	W
	LTE Band 25 (Channel Bandwidth 20MHz)	0.222	W
	Part 90S		
	LTE Band 26 (Channel Bandwidth 1.4MHz)	0.190	W
	LTE Band 26 (Channel Bandwidth 3MHz)	0.187	W
	LTE Band 26 (Channel Bandwidth 5MHz)	0.188	W
	LTE Band 26 (Channel Bandwidth 10MHz)	0.194	W
	Part 22H		
	LTE Band 26 (Channel Bandwidth 1.4MHz)	0.191	W
	LTE Band 26 (Channel Bandwidth 3MHz)	0.189	W
	LTE Band 26 (Channel Bandwidth 5MHz)	0.189	W
	LTE Band 26 (Channel Bandwidth 10MHz)	0.195	W
	LTE Band 26 (Channel Bandwidth 15MHz)	0.194	W
	LTE Band 41 (Channel Bandwidth 5MHz)	0.244	W
	LTE Band 41 (Channel Bandwidth 10MHz)	0.234	W
	LTE Band 41 (Channel Bandwidth 15MHz)	0.241	W
	LTE Band 41 (Channel Bandwidth 20MHz)	0.228	W



Max. E.R.P. / E.I.R.P.	LTE Band 2 (Channel Bandwidth 1.4MHz)	0.199	W (E.I.R.P.)
	LTE Band 2 (Channel Bandwidth 3MHz)	0.200	W (E.I.R.P.)
	LTE Band 2 (Channel Bandwidth 5MHz)	0.190	W (E.I.R.P.)
	LTE Band 2 (Channel Bandwidth 10MHz)	0.206	W (E.I.R.P.)
	LTE Band 2 (Channel Bandwidth 15MHz)	0.206	W (E.I.R.P.)
	LTE Band 2 (Channel Bandwidth 20MHz)	0.206	W (E.I.R.P.)
	LTE Band 4 (Channel Bandwidth 1.4MHz)	0.208	W (E.I.R.P.)
	LTE Band 4 (Channel Bandwidth 3MHz)	0.206	W (E.I.R.P.)
	LTE Band 4 (Channel Bandwidth 5MHz)	0.198	W (E.I.R.P.)
	LTE Band 4 (Channel Bandwidth 10MHz)	0.203	W (E.I.R.P.)
	LTE Band 4 (Channel Bandwidth 15MHz)	0.206	W (E.I.R.P.)
	LTE Band 4 (Channel Bandwidth 20MHz)	0.205	W (E.I.R.P.)
	LTE Band 5 (Channel Bandwidth 1.4MHz)	0.190	W (E.R.P.)
	LTE Band 5 (Channel Bandwidth 3MHz)	0.183	W (E.R.P.)
	LTE Band 5 (Channel Bandwidth 5MHz)	0.187	W (E.R.P.)
	LTE Band 5 (Channel Bandwidth 10MHz)	0.189	W (E.R.P.)
	LTE Band 12 (Channel Bandwidth 1.4MHz)	0.191	W (E.R.P.)
	LTE Band 12 (Channel Bandwidth 3MHz)	0.186	W (E.R.P.)
	LTE Band 12 (Channel Bandwidth 5MHz)	0.181	W (E.R.P.)
	LTE Band 12 (Channel Bandwidth 10MHz)	0.185	W (E.R.P.)
	LTE Band 25 (Channel Bandwidth 1.4MHz)	0.187	W (E.I.R.P.)
	LTE Band 25 (Channel Bandwidth 3MHz)	0.191	W (E.I.R.P.)
	LTE Band 25 (Channel Bandwidth 5MHz)	0.189	W (E.I.R.P.)
	LTE Band 25 (Channel Bandwidth 10MHz)	0.181	W (E.I.R.P.)
	LTE Band 25 (Channel Bandwidth 15MHz)	0.187	W (E.I.R.P.)
	LTE Band 25 (Channel Bandwidth 20MHz)	0.183	W (E.I.R.P.)
	Part 90S		
	LTE Band 26 (Channel Bandwidth 1.4MHz)	0.172	W (E.R.P.)
	LTE Band 26 (Channel Bandwidth 3MHz)	0.187	W (E.R.P.)
	LTE Band 26 (Channel Bandwidth 5MHz)	0.193	W (E.R.P.)
	LTE Band 26 (Channel Bandwidth 10MHz)	0.181	W (E.R.P.)
	Part 22H		
	LTE Band 26 (Channel Bandwidth 1.4MHz)	0.174	W (E.R.P.)
	LTE Band 26 (Channel Bandwidth 3MHz)	0.185	W (E.R.P.)
	LTE Band 26 (Channel Bandwidth 5MHz)	0.190	W (E.R.P.)
	LTE Band 26 (Channel Bandwidth 10MHz)	0.182	W (E.R.P.)
	LTE Band 26 (Channel Bandwidth 15MHz)	0.185	W (E.R.P.)
	LTE Band 41 (Channel Bandwidth 5MHz)	0.195	W (E.I.R.P.)
	LTE Band 41 (Channel Bandwidth 10MHz)	0.181	W (E.I.R.P.)
	LTE Band 41 (Channel Bandwidth 15MHz)	0.196	W (E.I.R.P.)
	LTE Band 41 (Channel Bandwidth 20MHz)	0.179	W (E.I.R.P.)

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 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

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.

LTE Band 25						
Channel Bandwidth	1.4MHz		3MHz		5MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	26047	1850.7	26055	1851.5	26065	1852.5
Middle CH	26365	1882.5	26365	1882.5	26365	1882.5
High CH	26683	1914.3	26675	1913.5	26665	1912.5
Channel Bandwidth	10MHz		15MHz		20MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	26090	1855.0	26115	1857.5	26140	1860.0
Middle CH	26365	1882.5	26365	1882.5	26365	1882.5
High CH	26640	1910.0	26115	1857.5	26590	1905.0

LTE Band 26_Part 90S				
Channel Bandwidth	1.4MHz		3MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	26697	814.7	26705	815.5
Middle CH	26740	819.0	26740	819.0
High CH	26783	823.3	26775	822.5
Channel Bandwidth	5MHz		10MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	26715	816.5	26740	819.0
Middle CH	26740	819.0		
High CH	26765	821.5		

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.

LTE Band 26_Part 22H						
Channel Bandwidth	1.4MHz		3MHz		5MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	26797	824.7	26805	825.5	26815	826.5
Middle CH	26865	831.5	26865	831.5	26865	831.5
High CH	27033	848.3	27025	847.5	27015	846.5
Channel Bandwidth	10MHz			15MHz		
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	26840	829.0	26865	831.5		
Middle CH	26865	831.5	---	---		
High CH	26990	844.0	26965	841.5		

LTE Band 41				
Channel Bandwidth	5MHz		10MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	39675	2498.5	39700	2501.0
Middle CH	40620	2593.0	40620	2593.0
High CH	41565	2687.5	41540	2685.0
Channel Bandwidth	15MHz		20MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	39725	2503.5	39750	2506.0
Middle CH	40620	2593.0	40620	2593.0
High CH	41515	2682.5	41490	2680.0

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 25) 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 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 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 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 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 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 25	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 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 26 (Part 90S)	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

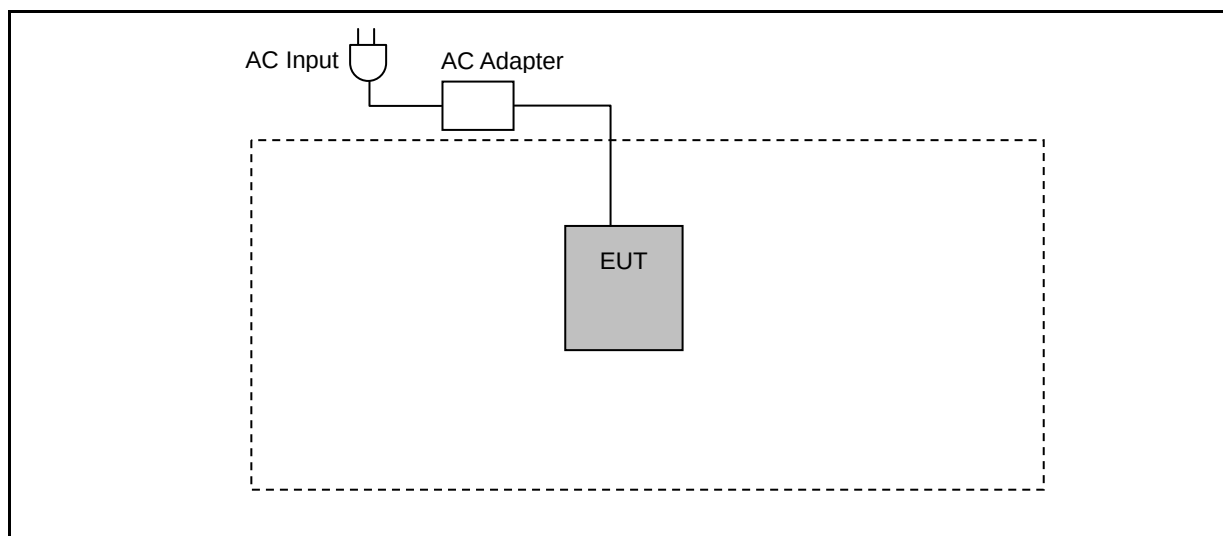
Band	Channel Bandwidth	Test Modes	
LTE Band 26 (Part 22H)	1.4 MHz	☒ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 2) Link ☐ LTE(RB Size 1, RB Offset 5) Link ☐ LTE(RB Size 3, RB Offset 0) Link ☐ LTE(RB Size 3, RB Offset 1) Link ☐ LTE(RB Size 3, RB Offset 3) Link ☐ LTE(RB Size 6, RB Offset 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 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

Band	Channel Bandwidth	Test Modes	
LTE Band 41	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

1.3. EUT Exercise Software

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

1.4. Configuration of Test System Details



1.5. Test Site Environment

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

1.6. Summary of Test Result

FCC Rule	Description	Result
§2.1046	Conducted Output Average Power	Pass
§22.913 §24.232 §27.50 §90.635	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
§2.1051 §22.917 §24.238 §27.53 §90.691	Band Edge	Pass
§2.1051 §22.917 §24.238 §27.53 §90.691	Conducted Spurious Emissions	Pass
§2.1053 §22.917 §24.238 §27.53 §90.691	Radiated Spurious Emissions	Pass

2 Conducted Output Average Power Test

2.1. Limit

N/A

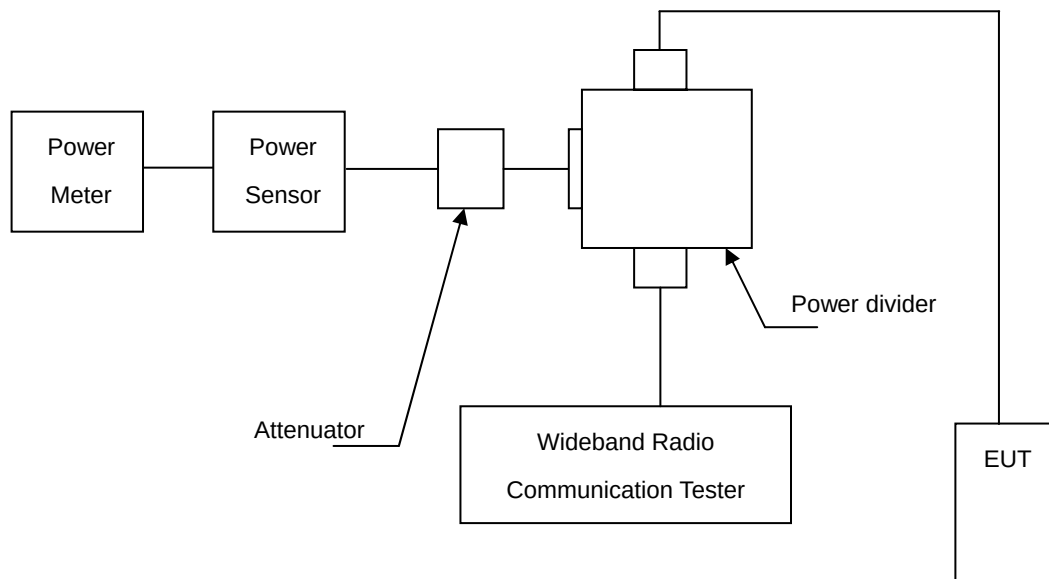
2.2. Test Instruments

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

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

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

2.3. Test Setup



2.4. Test Procedure

- 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	AC779S-100		
Test Item	Conducted Output Average Power		
Date of Test	02/10/2015	Test Site	TE05

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	1.4 MHz	QPSK	18607	1850.7	1	0	22.91	0.195
					1	2	22.89	0.195
					1	5	22.84	0.192
					3	0	22.88	0.194
					3	1	22.90	0.195
					3	3	22.89	0.195
			18900	1880.0	6	0	21.89	0.155
					1	0	22.94	0.197
					1	2	22.91	0.195
					1	5	22.93	0.196
					3	0	22.90	0.195
					3	1	22.93	0.196
					3	3	22.92	0.196
					6	0	21.96	0.157
			19193	1909.3	1	0	22.59	0.182
					1	2	22.53	0.179
					1	5	22.58	0.181
					3	0	22.54	0.179
					3	1	22.58	0.181
					3	3	22.56	0.180
		16QAM	18607	1850.7	6	0	21.52	0.142
					1	0	21.90	0.155
					1	2	21.85	0.153
					1	5	21.80	0.151
					3	0	21.82	0.152
					3	1	21.87	0.154
			18900	1880.0	3	3	21.84	0.153
					6	0	20.89	0.123
					1	0	21.96	0.157
					1	2	21.89	0.155
					1	5	21.82	0.152
					3	0	21.87	0.154
					3	1	21.89	0.155
					3	3	21.95	0.157
			19193	1909.3	6	0	21.01	0.126
					1	0	22.03	0.160
					1	2	22.00	0.158
					1	5	22.00	0.158
					3	0	21.60	0.145
					3	1	21.61	0.145
					3	3	21.63	0.146
					6	0	20.65	0.116

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	3 MHz	QPSK	18615	1851.5	1	0	22.82	0.191
					1	8	22.79	0.190
					1	14	22.78	0.190
					8	0	21.85	0.153
					8	4	21.84	0.153
					8	7	21.79	0.151
			18900	1880.0	15	0	21.76	0.150
					1	0	23.01	0.200
					1	8	22.95	0.197
					1	14	22.90	0.195
					8	0	21.99	0.158
					8	4	21.95	0.157
					8	7	21.99	0.158
					15	0	21.95	0.157
		16QAM	19185	1908.5	1	0	22.69	0.186
					1	8	22.54	0.179
					1	14	22.51	0.178
					8	0	21.57	0.144
					8	4	21.53	0.142
					8	7	21.55	0.143
			18615	1851.5	15	0	21.51	0.142
					1	0	21.83	0.152
					1	8	21.76	0.150
					1	14	21.73	0.149
					8	0	20.78	0.120
					8	4	20.73	0.118
					8	7	20.74	0.119
			18900	1880.0	15	0	20.83	0.121
					1	0	22.01	0.159
					1	8	21.97	0.157
					1	14	21.86	0.153
					8	0	21.00	0.126
					8	4	20.99	0.126
			19185	1908.5	8	7	21.00	0.126
					15	0	21.07	0.128
					1	0	21.55	0.143
					1	8	21.54	0.143
					1	14	21.49	0.141
					8	0	20.55	0.114
					8	4	20.52	0.113
					8	7	20.60	0.115
					15	0	20.59	0.115

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	5 MHz	QPSK	18625	1852.5	1	0	22.87	0.194
					1	12	22.77	0.189
					1	24	22.79	0.190
					12	0	21.85	0.153
					12	6	21.82	0.152
					12	13	21.85	0.153
			18900	1880.0	25	0	21.70	0.148
					1	0	22.96	0.198
					1	12	22.93	0.196
					1	24	22.83	0.192
					12	0	22.03	0.160
					12	6	21.96	0.157
					12	13	21.96	0.157
					25	0	21.85	0.153
			19175	1907.5	1	0	22.60	0.182
					1	12	22.49	0.177
					1	24	22.41	0.174
					12	0	21.45	0.140
					12	6	21.38	0.137
					12	13	21.46	0.140
		16QAM	18625	1852.5	25	0	21.37	0.137
					1	0	21.84	0.153
					1	12	21.76	0.150
					1	24	21.77	0.150
					12	0	20.82	0.121
					12	6	20.78	0.120
			18900	1880.0	12	13	20.81	0.121
					25	0	20.66	0.116
					1	0	21.90	0.155
					1	12	21.88	0.154
					1	24	21.76	0.150
					12	0	21.08	0.128
					12	6	21.02	0.126
					12	13	21.03	0.127
					25	0	20.92	0.124
			19175	1907.5	1	0	21.57	0.144
					1	12	21.41	0.138
					1	24	21.31	0.135
					12	0	20.53	0.113
					12	6	20.54	0.113
					12	11	20.63	0.116
					25	0	20.44	0.111

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	10 MHz	QPSK	18650	1855.0	1	0	23.00	0.200
					1	24	22.98	0.199
					1	49	22.96	0.198
					25	0	21.72	0.149
					25	12	21.92	0.156
					25	25	21.91	0.155
			18900	1880.0	50	0	21.78	0.151
					1	0	22.99	0.199
					1	24	22.93	0.196
					1	49	22.79	0.190
					25	0	22.05	0.160
					25	12	21.90	0.155
					25	25	21.86	0.153
					50	0	21.78	0.151
			19150	1905.0	1	0	22.63	0.183
					1	24	22.52	0.179
					1	49	22.41	0.174
					25	0	21.37	0.137
					25	12	21.40	0.138
					25	25	21.38	0.137
		16QAM	18650	1855.0	50	0	21.32	0.136
					1	0	21.98	0.158
					1	24	21.93	0.156
					1	49	21.91	0.155
					25	0	20.67	0.117
					25	12	20.80	0.120
			18900	1880.0	25	25	20.86	0.122
					50	0	20.64	0.116
					1	0	22.05	0.160
					1	24	21.89	0.155
					1	49	21.66	0.147
					25	0	21.04	0.127
					25	12	20.94	0.124
					25	25	20.89	0.123
					50	0	20.85	0.122
			19150	1905.0	1	0	21.58	0.144
					1	24	21.46	0.140
					1	49	21.33	0.136
					25	0	20.41	0.110
					25	12	20.44	0.111
					25	25	20.53	0.113
					50	0	20.37	0.109

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	15 MHz	QPSK	18675	1857.5	1	0	23.15	0.207
					1	38	23.10	0.204
					1	74	22.98	0.199
					36	0	21.90	0.155
					36	18	21.98	0.158
					36	39	22.01	0.159
			18900	1880.0	75	0	21.84	0.153
					1	0	23.11	0.205
					1	38	23.05	0.202
					1	74	22.80	0.191
					36	0	22.09	0.162
					36	18	21.96	0.157
					36	39	21.87	0.154
			19125	1902.5	75	0	21.85	0.153
					1	0	22.75	0.188
					1	38	22.59	0.182
					1	74	22.53	0.179
					36	0	21.39	0.138
					36	18	21.36	0.137
					36	39	21.37	0.137
			16QAM	18675	75	0	21.30	0.135
					1	0	22.24	0.167
					1	38	21.98	0.158
					1	74	21.94	0.156
					36	0	20.83	0.121
					36	18	20.89	0.123
					36	39	20.94	0.124
					75	0	20.82	0.121
				18900	1	0	22.12	0.163
					1	38	22.03	0.160
					1	74	21.75	0.150
					36	0	21.09	0.129
					36	18	20.99	0.126
					36	39	20.91	0.123
					75	0	20.88	0.122
				19125	1	0	21.62	0.145
					1	38	21.53	0.142
					1	74	21.42	0.139
					36	0	20.51	0.112
					36	18	20.47	0.111
					36	39	20.52	0.113
					75	0	20.44	0.111

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 2	20 MHz	QPSK	18700	1860.0	1	0	23.24	0.211
					1	49	23.07	0.203
					1	99	22.90	0.195
					50	0	21.75	0.150
					50	25	21.82	0.152
					50	50	22.02	0.159
			18900	1880.0	100	0	21.91	0.155
					1	0	23.17	0.207
					1	49	22.96	0.198
					1	99	22.56	0.180
					50	0	22.03	0.160
					50	25	21.78	0.151
					50	50	21.60	0.145
					100	0	21.78	0.151
			19100	1900.0	1	0	22.66	0.185
					1	49	22.50	0.178
					1	99	22.49	0.177
					50	0	21.26	0.134
					50	25	21.28	0.134
					50	50	21.30	0.135
		16QAM	18700	1860.0	100	0	21.26	0.134
					1	0	22.15	0.164
					1	49	22.04	0.160
					1	99	21.98	0.158
					50	0	20.68	0.117
					50	25	20.82	0.121
			18900	1880.0	50	50	20.98	0.125
					100	0	20.91	0.123
					1	0	22.25	0.168
					1	49	21.97	0.157
					1	99	21.54	0.143
					50	0	20.98	0.125
					50	25	20.86	0.122
					50	50	20.73	0.118
					100	0	20.82	0.121
			19100	1900.0	1	0	21.66	0.147
					1	49	21.55	0.143
					1	99	21.43	0.139
					50	0	20.41	0.110
					50	25	20.38	0.109
					50	50	20.35	0.108
					100	0	20.37	0.109

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	21.57	0.144
					1	2	21.52	0.142
					1	5	21.53	0.142
					3	0	21.39	0.138
					3	1	21.43	0.139
					3	3	21.40	0.138
			20175	1732.5	6	0	20.70	0.117
					1	0	21.73	0.149
					1	2	21.69	0.148
					1	5	21.63	0.146
					3	0	21.60	0.145
					3	1	21.62	0.145
					3	3	21.73	0.149
					6	0	20.60	0.115
			20393	1754.3	1	0	21.99	0.158
					1	2	21.95	0.157
					1	5	21.92	0.156
					3	0	21.84	0.153
					3	1	21.82	0.152
					3	3	21.73	0.149
					6	0	20.88	0.122
		16QAM	19957	1710.7	1	0	21.57	0.144
					1	2	21.53	0.142
					1	5	21.52	0.142
					3	0	20.60	0.115
					3	1	20.56	0.114
					3	3	20.57	0.114
			20175	1732.5	6	0	20.55	0.114
					1	0	21.68	0.147
					1	2	21.63	0.146
					1	5	21.52	0.142
					3	0	20.61	0.115
					3	1	20.59	0.115
					3	3	20.72	0.118
					6	0	20.63	0.116
			20393	1754.3	1	0	21.88	0.154
					1	2	21.85	0.153
					1	5	21.81	0.152
					3	0	20.91	0.123
					3	1	20.88	0.122
					3	3	20.95	0.124
					6	0	20.97	0.125

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	21.94	0.156
					1	8	21.91	0.155
					1	14	21.89	0.155
					8	0	20.88	0.122
					8	4	20.90	0.123
					8	7	20.89	0.123
					15	0	20.92	0.124
			20175	1732.5	1	0	21.74	0.149
					1	8	21.69	0.148
					1	14	21.62	0.145
					8	0	20.67	0.117
					8	4	20.54	0.113
					8	7	20.70	0.117
					15	0	20.59	0.115
			20385	1753.5	1	0	21.98	0.158
					1	8	21.93	0.156
					1	14	21.93	0.156
					8	0	20.98	0.125
					8	4	20.90	0.123
					8	7	20.83	0.121
					15	0	20.90	0.123
		16QAM	19965	1711.5	1	0	20.88	0.122
					1	8	20.86	0.122
					1	14	20.81	0.121
					8	0	19.81	0.096
					8	4	19.87	0.097
					8	7	19.85	0.097
					15	0	19.89	0.097
			20175	1732.5	1	0	20.70	0.117
					1	8	20.64	0.116
					1	14	20.52	0.113
					8	0	19.48	0.089
					8	4	19.48	0.089
					8	7	19.62	0.092
					15	0	19.56	0.090
			20385	1753.5	1	0	20.97	0.125
					1	8	20.95	0.124
					1	14	20.82	0.121
					8	0	19.93	0.098
					8	4	19.88	0.097
					8	7	19.89	0.097
					15	0	19.94	0.099

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	21.95	0.157
					1	12	21.93	0.156
					1	24	21.88	0.154
					12	0	20.89	0.123
					12	6	20.92	0.124
					12	13	20.99	0.126
			20175	1732.5	25	0	20.88	0.122
					1	0	21.78	0.151
					1	12	21.75	0.150
					1	24	21.71	0.148
					12	0	20.60	0.115
					12	6	20.57	0.114
					12	13	20.75	0.119
					25	0	20.52	0.113
			20375	1752.5	1	0	21.99	0.158
					1	12	21.96	0.157
					1	24	21.93	0.156
					12	0	21.00	0.126
					12	6	20.95	0.124
					12	13	20.93	0.124
		16QAM	19975	1712.5	25	0	20.88	0.122
					1	0	20.92	0.124
					1	12	20.89	0.123
					1	24	20.84	0.121
					12	0	19.96	0.099
					12	6	19.98	0.100
			20175	1732.5	12	13	20.06	0.101
					25	0	19.91	0.098
					1	0	20.73	0.118
					1	12	20.69	0.117
					1	24	20.58	0.114
					12	0	19.57	0.091
					12	6	19.62	0.092
					12	13	19.71	0.094
					25	0	19.46	0.088
			20375	1752.5	1	0	20.97	0.125
					1	12	20.94	0.124
					1	24	20.89	0.123
					12	0	20.09	0.102
					12	6	20.05	0.101
					12	11	19.97	0.099
					25	0	19.88	0.097

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	21.43	0.139
					1	24	21.41	0.138
					1	49	21.39	0.138
					25	0	20.34	0.108
					25	12	20.37	0.109
					25	25	20.30	0.107
			20175	1732.5	50	0	20.23	0.105
					1	0	21.75	0.150
					1	24	21.72	0.149
					1	49	21.69	0.148
					25	0	20.53	0.113
					25	12	20.58	0.114
					25	25	20.65	0.116
					50	0	20.39	0.109
			20350	1750.0	1	0	22.04	0.160
					1	24	21.97	0.157
					1	49	21.94	0.156
					25	0	20.96	0.125
					25	12	20.92	0.124
					25	25	20.94	0.124
					50	0	20.76	0.119
		16QAM	2000	1715.0	1	0	20.47	0.111
					1	24	20.42	0.110
					1	49	20.35	0.108
					25	0	19.38	0.087
					25	12	19.37	0.086
					25	25	19.36	0.086
			20175	1732.5	50	0	19.29	0.085
					1	0	20.72	0.118
					1	24	20.69	0.117
					1	49	20.54	0.113
					25	0	19.50	0.089
					25	12	19.45	0.088
					25	25	19.60	0.091
					50	0	19.44	0.088
			20350	1750.0	1	0	20.97	0.125
					1	24	20.95	0.124
					1	49	20.90	0.123
					25	0	19.93	0.098
					25	12	19.99	0.100
					25	25	19.95	0.099
					50	0	19.81	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	21.49	0.141
					1	38	21.41	0.138
					1	74	21.45	0.140
					36	0	20.23	0.105
					36	18	20.28	0.107
					36	39	20.29	0.107
			20175	1732.5	75	0	20.20	0.105
					1	0	21.80	0.151
					1	38	21.79	0.151
					1	74	21.68	0.147
					36	0	20.51	0.112
					36	18	20.45	0.111
					36	39	20.62	0.115
			20325	1747.5	75	0	20.45	0.111
					1	0	22.05	0.160
					1	38	22.01	0.159
					1	74	21.98	0.158
					36	0	20.81	0.121
					36	18	20.71	0.118
					36	39	20.82	0.121
					75	0	20.68	0.117
		16QAM	20025	1717.5	1	0	20.43	0.110
					1	38	20.40	0.110
					1	74	20.37	0.109
					36	0	19.36	0.086
					36	18	19.31	0.085
					36	39	19.32	0.086
			20175	1732.5	75	0	19.22	0.084
					1	0	20.79	0.120
					1	38	20.73	0.118
					1	74	20.68	0.117
					36	0	19.46	0.088
					36	18	19.48	0.089
					36	39	19.65	0.092
			20325	1747.5	75	0	19.39	0.087
					1	0	20.98	0.125
					1	38	20.87	0.122
					1	74	20.81	0.121
					36	0	19.84	0.096
					36	18	19.80	0.095
					36	39	19.94	0.099
					75	0	19.76	0.095



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	21.71	0.148
					1	49	21.49	0.141
					1	99	21.48	0.141
					50	0	20.31	0.107
					50	25	20.29	0.107
					50	50	20.28	0.107
			20175	1732.5	100	0	20.24	0.106
					1	0	21.76	0.150
					1	49	21.69	0.148
					1	99	21.49	0.141
					50	0	20.41	0.110
					50	25	20.44	0.111
					50	50	20.56	0.114
					100	0	20.43	0.110
		16QAM	20300	1745.0	1	0	22.02	0.159
					1	49	21.84	0.153
					1	99	21.94	0.156
					50	0	20.65	0.116
					50	25	20.72	0.118
					50	50	20.73	0.118
			20050	1720.0	100	0	20.77	0.119
					1	0	20.51	0.112
					1	49	20.44	0.111
					1	99	20.50	0.112
					50	0	19.28	0.085
					50	25	19.25	0.084
					50	50	19.23	0.084
			20175	1732.5	100	0	19.30	0.085
					1	0	20.70	0.117
					1	49	20.67	0.117
					1	99	20.63	0.116
					50	0	19.37	0.086
					50	25	19.43	0.088
					50	50	19.50	0.089
			20300	1745.0	100	0	19.38	0.087
					1	0	21.01	0.126
					1	49	20.96	0.125
					1	99	20.92	0.124
					50	0	19.64	0.092
					50	25	19.78	0.095
					50	50	19.77	0.095
					100	0	19.83	0.096

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	22.44	0.175
					1	2	22.37	0.173
					1	5	22.32	0.171
					3	0	22.39	0.173
					3	1	22.36	0.172
					3	3	22.34	0.171
			20525	836.5	6	0	21.34	0.136
					1	0	22.14	0.164
					1	2	22.11	0.163
					1	5	22.09	0.162
					3	0	22.08	0.161
					3	1	22.07	0.161
					3	3	22.08	0.161
					6	0	21.13	0.130
			20643	848.3	1	0	21.84	0.153
					1	2	21.81	0.152
					1	5	21.78	0.151
					3	0	21.72	0.149
					3	1	21.80	0.151
					3	3	21.77	0.150
					6	0	20.86	0.122
		16QAM	20407	824.7	1	0	21.82	0.152
					1	2	21.77	0.150
					1	5	21.71	0.148
					3	0	21.35	0.136
					3	1	21.39	0.138
					3	3	21.35	0.136
			20525	836.5	6	0	20.97	0.125
					1	0	21.68	0.147
					1	2	21.59	0.144
					1	5	21.56	0.143
					3	0	21.22	0.132
					3	1	21.16	0.131
					3	3	20.76	0.119
					6	0	20.58	0.114
			20643	848.3	1	0	21.83	0.152
					1	2	21.78	0.151
					1	5	21.74	0.149
					3	0	20.85	0.122
					3	1	20.84	0.121
					3	3	20.82	0.121
					6	0	20.84	0.121

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	22.35	0.172
					1	8	22.33	0.171
					1	14	22.29	0.169
					8	0	21.35	0.136
					8	4	21.34	0.136
					8	7	21.30	0.135
					15	0	21.32	0.136
			20525	836.5	1	0	22.09	0.162
					1	8	22.07	0.161
					1	14	22.01	0.159
					8	0	21.06	0.128
					8	4	21.08	0.128
					8	7	21.13	0.130
					15	0	21.02	0.126
			20635	847.5	1	0	21.88	0.154
					1	8	21.84	0.153
					1	14	21.74	0.149
					8	0	20.92	0.124
					8	4	20.90	0.123
					8	7	20.88	0.122
					15	0	20.89	0.123
		16QAM	20415	825.5	1	0	21.29	0.135
					1	8	21.26	0.134
					1	14	21.24	0.133
					8	0	20.32	0.108
					8	4	20.30	0.107
					8	7	20.30	0.107
					15	0	20.35	0.108
			20525	836.5	1	0	21.12	0.129
					1	8	21.08	0.128
					1	14	21.01	0.126
					8	0	20.07	0.102
					8	4	20.05	0.101
					8	7	20.02	0.100
					15	0	20.10	0.102
			20635	847.5	1	0	20.88	0.122
					1	8	20.82	0.121
					1	14	20.75	0.119
					8	0	19.92	0.098
					8	4	19.87	0.097
					8	7	19.76	0.095
					15	0	19.86	0.097

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	22.32	0.171
					1	12	22.28	0.169
					1	24	22.23	0.167
					12	0	21.29	0.135
					12	6	21.33	0.136
					12	13	21.29	0.135
			20525	836.5	25	0	21.25	0.133
					1	0	22.11	0.163
					1	12	22.05	0.160
					1	24	22.02	0.159
					12	0	21.07	0.128
					12	6	21.05	0.127
					12	13	21.09	0.129
					25	0	21.03	0.127
		16QAM	20625	846.5	1	0	21.99	0.158
					1	12	21.85	0.153
					1	24	21.71	0.148
					12	0	20.97	0.125
					12	6	20.95	0.124
					12	13	20.92	0.124
			20425	826.5	25	0	20.86	0.122
					1	0	21.32	0.136
					1	12	21.27	0.134
					1	24	21.20	0.132
					12	0	20.35	0.108
					12	6	20.30	0.107
					12	13	20.36	0.109
			20525	836.5	25	0	20.27	0.106
					1	0	21.07	0.128
					1	12	21.07	0.128
					1	24	21.02	0.126
					12	0	20.11	0.103
					12	6	20.12	0.103
					12	13	20.16	0.104
			20625	846.5	25	0	20.10	0.102
					1	0	20.94	0.124
					1	12	20.93	0.124
					1	24	20.78	0.120
					12	0	19.97	0.099
					12	6	19.99	0.100
					12	11	19.88	0.097
					25	0	19.85	0.097

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	22.29	0.169
					1	24	22.15	0.164
					1	49	22.15	0.164
					25	0	21.23	0.133
					25	12	21.13	0.130
					25	25	21.13	0.130
			20525	836.5	50	0	21.15	0.130
					1	0	22.17	0.165
					1	24	22.05	0.160
					1	49	21.96	0.157
					25	0	21.07	0.128
					25	12	21.02	0.126
					25	25	21.00	0.126
			20600	844.0	50	0	20.88	0.122
					1	0	22.03	0.160
					1	24	22.02	0.159
					1	49	21.77	0.150
					25	0	20.97	0.125
					25	12	20.95	0.124
					25	25	20.83	0.121
					50	0	20.77	0.119
		16QAM	20450	829.0	1	0	21.28	0.134
					1	24	21.17	0.131
					1	49	21.10	0.129
					25	0	20.25	0.106
					25	12	20.16	0.104
					25	25	20.18	0.104
			20525	836.5	50	0	20.13	0.103
					1	0	21.16	0.131
					1	24	21.05	0.127
					1	49	20.94	0.124
					25	0	20.04	0.101
					25	12	20.03	0.101
					25	25	20.00	0.100
			20600	844.0	50	0	19.98	0.100
					1	0	21.09	0.129
					1	24	21.02	0.126
					1	49	20.79	0.120
					25	0	19.96	0.099
					25	12	19.90	0.098
					25	25	19.81	0.096
					50	0	19.76	0.095

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	21.87	0.154
					1	2	21.85	0.153
					1	5	21.83	0.152
					3	0	21.75	0.150
					3	1	21.64	0.146
					3	3	21.51	0.142
			23095	707.5	6	0	20.87	0.122
					1	0	21.97	0.157
					1	2	21.94	0.156
					1	5	21.88	0.154
					3	0	21.81	0.152
					3	1	21.75	0.150
					3	3	21.65	0.146
					6	0	21.32	0.136
			23173	715.3	1	0	22.03	0.160
					1	2	21.99	0.158
					1	5	21.97	0.157
					3	0	22.01	0.159
					3	1	21.93	0.156
					3	3	21.92	0.156
					6	0	21.08	0.128
		16QAM	23017	699.7	1	0	21.59	0.144
					1	2	21.57	0.144
					1	5	21.54	0.143
					3	0	20.93	0.124
					3	1	20.87	0.122
					3	3	20.93	0.124
			23095	707.5	6	0	20.51	0.112
					1	0	21.89	0.155
					1	2	21.85	0.153
					1	5	21.81	0.152
					3	0	20.87	0.122
					3	1	21.03	0.127
					3	3	20.99	0.126
					6	0	20.01	0.100
			23173	715.3	1	0	21.58	0.144
					1	2	21.54	0.143
					1	5	21.51	0.142
					3	0	21.06	0.128
					3	1	21.00	0.126
					3	3	20.99	0.126
					6	0	20.52	0.113

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	21.93	0.156
					1	8	21.87	0.154
					1	14	21.81	0.152
					8	0	20.87	0.122
					8	4	20.87	0.122
					8	7	20.94	0.124
			23095	707.5	15	0	20.93	0.124
					1	0	21.99	0.158
					1	8	21.94	0.156
					1	14	21.92	0.156
					8	0	20.94	0.124
					8	4	20.90	0.123
					8	7	20.91	0.123
					15	0	20.95	0.124
		16QAM	23165	714.5	1	0	21.97	0.157
					1	8	21.95	0.157
					1	14	21.92	0.156
					8	0	20.96	0.125
					8	4	20.92	0.124
					8	7	20.97	0.125
			23025	700.5	15	0	20.96	0.125
					1	0	20.96	0.125
					1	8	20.92	0.124
					1	14	20.88	0.122
					8	0	19.83	0.096
					8	4	19.80	0.095
					8	7	19.87	0.097
			23095	707.5	15	0	19.87	0.097
					1	0	21.01	0.126
					1	8	20.95	0.124
					1	14	21.87	0.154
					8	0	19.94	0.099
					8	4	19.84	0.096
			23165	714.5	8	7	19.85	0.097
					15	0	19.89	0.097
					1	0	20.99	0.126
					1	8	20.95	0.124
					1	14	20.78	0.120
					8	0	19.85	0.097
					8	4	19.87	0.097
					8	7	19.92	0.098
					15	0	19.91	0.098

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	22.03	0.160
					1	12	21.88	0.154
					1	24	21.84	0.153
					12	0	20.84	0.121
					12	6	20.93	0.124
					12	13	21.05	0.127
			23095	707.5	25	0	20.87	0.122
					1	0	21.92	0.156
					1	12	21.87	0.154
					1	24	21.84	0.153
					12	0	21.00	0.126
					12	6	20.93	0.124
					12	13	20.89	0.123
					25	0	20.84	0.121
		16QAM	23155	713.5	1	0	21.93	0.156
					1	12	21.88	0.154
					1	24	21.86	0.153
					12	0	20.95	0.124
					12	6	20.91	0.123
					12	13	21.00	0.126
			23035	701.5	25	0	20.93	0.124
					1	0	21.03	0.127
					1	12	20.97	0.125
					1	24	21.03	0.127
					12	0	19.83	0.096
					12	6	19.91	0.098
					12	13	20.50	0.112
			23095	707.5	25	0	19.82	0.096
					1	0	20.96	0.125
					1	12	20.92	0.124
					1	24	20.88	0.122
					12	0	19.97	0.099
					12	6	19.92	0.098
					12	13	19.93	0.098
			23155	713.5	25	0	19.88	0.097
					1	0	20.99	0.126
					1	12	20.93	0.124
					1	24	20.85	0.122
					12	0	19.97	0.099
					12	6	19.92	0.098
					12	11	19.98	0.100
					25	0	19.87	0.097

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	22.09	0.162
					1	24	21.96	0.157
					1	49	21.72	0.149
					25	0	20.90	0.123
					25	12	20.93	0.124
					25	25	20.90	0.123
			23095	707.5	50	0	20.72	0.118
					1	0	22.03	0.160
					1	24	21.80	0.151
					1	49	21.85	0.153
					25	0	20.84	0.121
					25	12	20.85	0.122
					25	25	20.91	0.123
					50	0	20.73	0.118
		16QAM	23130	711.0	1	0	22.02	0.159
					1	24	21.89	0.155
					1	49	21.77	0.150
					25	0	20.74	0.119
					25	12	20.89	0.123
					25	25	20.95	0.124
			23060	704.0	50	0	20.76	0.119
					1	0	21.02	0.126
					1	24	20.95	0.124
					1	49	20.91	0.123
					25	0	19.84	0.096
					25	12	19.86	0.097
					25	25	19.96	0.099
			23095	707.5	50	0	19.73	0.094
					1	0	20.93	0.124
					1	24	20.87	0.122
					1	49	20.81	0.121
					25	0	19.81	0.096
					25	12	19.87	0.097
					25	25	19.83	0.096
			23130	711.0	50	0	19.75	0.094
					1	0	20.97	0.125
					1	24	20.94	0.124
					1	49	20.87	0.122
					25	0	19.76	0.095
					25	12	19.80	0.095
					25	25	19.90	0.098
					50	0	19.78	0.095

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 25	1.4 MHz	QPSK	26047	1850.7	1	0	22.50	0.178
					1	2	22.48	0.177
					1	5	22.45	0.176
					3	0	22.41	0.174
					3	1	22.49	0.177
					3	3	22.37	0.173
			26365	1882.5	6	0	21.48	0.141
					1	0	22.78	0.190
					1	2	22.76	0.189
					1	5	22.72	0.187
					3	0	22.72	0.187
					3	1	22.77	0.189
					3	3	22.73	0.187
					6	0	21.76	0.150
			26683	1914.3	1	0	22.62	0.183
					1	2	22.56	0.180
					1	5	22.54	0.179
					3	0	22.58	0.181
					3	1	22.57	0.181
					3	3	22.60	0.182
					6	0	21.52	0.142
		16QAM	26047	1850.7	1	0	21.63	0.146
					1	2	21.59	0.144
					1	5	21.57	0.144
					3	0	21.47	0.140
					3	1	21.57	0.144
					3	3	21.59	0.144
			26365	1882.5	6	0	20.52	0.113
					1	0	21.77	0.150
					1	2	21.64	0.146
					1	5	21.61	0.145
					3	0	21.54	0.143
					3	1	21.48	0.141
					3	3	21.43	0.139
					6	0	20.88	0.122
			26683	1914.3	1	0	21.60	0.145
					1	2	21.57	0.144
					1	5	21.55	0.143
					3	0	21.48	0.141
					3	1	21.43	0.139
					3	3	21.39	0.138
					6	0	20.71	0.118

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 25	3 MHz	QPSK	26055	1851.5	1	0	22.62	0.183
					1	8	22.58	0.181
					1	14	22.49	0.177
					8	0	21.58	0.144
					8	4	21.58	0.144
					8	7	21.72	0.149
					15	0	21.60	0.145
			26365	1882.5	1	0	22.79	0.190
					1	8	22.73	0.187
					1	14	22.64	0.184
					8	0	21.76	0.150
					8	4	21.79	0.151
					8	7	21.76	0.150
					15	0	21.74	0.149
			26675	1913.5	1	0	22.60	0.182
					1	8	22.57	0.181
					1	14	22.54	0.179
					8	0	21.53	0.142
					8	4	21.59	0.144
					8	7	21.60	0.145
					15	0	21.58	0.144
		16QAM	26055	1851.5	1	0	21.62	0.145
					1	8	21.59	0.144
					1	14	21.54	0.143
					8	0	20.44	0.111
					8	4	20.53	0.113
					8	7	20.56	0.114
					15	0	20.57	0.114
			26365	1882.5	1	0	21.68	0.147
					1	8	21.59	0.144
					1	14	21.51	0.142
					8	0	20.80	0.120
					8	4	20.82	0.121
					8	7	20.80	0.120
					15	0	20.75	0.119
			26675	1913.5	1	0	21.64	0.146
					1	8	21.59	0.144
					1	14	21.54	0.143
					8	0	20.61	0.115
					8	4	20.61	0.115
					8	7	20.62	0.115
					15	0	20.68	0.117

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 25	5 MHz	QPSK	26065	1852.5	1	0	22.81	0.191
					1	12	22.76	0.189
					1	24	22.72	0.187
					12	0	21.43	0.139
					12	6	21.59	0.144
					12	13	21.72	0.149
			26365	1882.5	25	0	21.61	0.145
					1	0	22.78	0.190
					1	12	22.72	0.187
					1	24	22.61	0.182
					12	0	21.82	0.152
					12	6	21.79	0.151
					12	13	21.57	0.144
					25	0	21.65	0.146
			26665	1912.5	1	0	22.62	0.183
					1	12	22.59	0.182
					1	24	22.53	0.179
					12	0	21.47	0.140
					12	6	21.55	0.143
					12	13	21.63	0.146
		16QAM	26065	1852.5	25	0	21.41	0.138
					1	0	21.77	0.150
					1	12	21.67	0.147
					1	24	21.42	0.139
					12	0	20.51	0.112
					12	6	20.63	0.116
			26365	1882.5	12	13	20.71	0.118
					25	0	20.49	0.112
					1	0	21.78	0.151
					1	12	21.74	0.149
					1	24	21.53	0.142
					12	0	20.96	0.125
					12	6	20.86	0.122
					12	13	20.75	0.119
					25	0	20.74	0.119
			26665	1912.5	1	0	21.58	0.144
					1	12	21.49	0.141
					1	24	21.41	0.138
					12	0	20.64	0.116
					12	6	20.67	0.117
					12	11	20.72	0.118
					25	0	20.57	0.114

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 25	10 MHz	QPSK	26090	1855.0	1	0	23.03	0.201
					1	24	22.89	0.195
					1	49	22.65	0.184
					25	0	21.63	0.146
					25	12	21.72	0.149
					25	25	21.83	0.152
			26365	1882.5	50	0	21.64	0.146
					1	0	22.82	0.191
					1	24	22.68	0.185
					1	49	22.44	0.175
					25	0	21.79	0.151
					25	12	21.63	0.146
					25	25	21.56	0.143
			26640	1910.0	50	0	21.60	0.145
					1	0	22.56	0.180
					1	24	22.49	0.177
					1	49	22.41	0.174
					25	0	21.28	0.134
					25	12	21.32	0.136
					25	25	21.41	0.138
					50	0	21.27	0.134
		16QAM	26090	1855.0	1	0	21.94	0.156
					1	24	21.88	0.154
					1	49	21.74	0.149
					25	0	20.52	0.113
					25	12	20.65	0.116
					25	25	20.78	0.120
			26365	1882.5	50	0	20.59	0.115
					1	0	21.82	0.152
					1	24	21.72	0.149
					1	49	21.39	0.138
					25	0	20.79	0.120
					25	12	20.70	0.117
					25	25	20.62	0.115
			26640	1910.0	50	0	20.66	0.116
					1	0	21.58	0.144
					1	24	21.49	0.141
					1	49	21.43	0.139
					25	0	20.39	0.109
					25	12	20.39	0.109
					25	25	20.52	0.113
					50	0	20.33	0.108

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 25	15 MHz	QPSK	26115	1857.5	1	0	23.33	0.215
					1	38	22.95	0.197
					1	74	22.87	0.194
					36	0	21.63	0.146
					36	18	21.72	0.149
					36	39	21.90	0.155
			26365	1882.5	75	0	21.69	0.148
					1	0	22.87	0.194
					1	38	22.70	0.186
					1	74	22.38	0.173
					36	0	21.81	0.152
					36	18	21.57	0.144
					36	39	21.38	0.137
			26615	1907.5	75	0	21.57	0.144
					1	0	22.63	0.183
					1	38	22.54	0.179
					1	74	22.49	0.177
					36	0	21.19	0.132
					36	18	21.23	0.133
					36	39	21.33	0.136
			16QAM	26115	75	0	21.14	0.130
					1	0	22.13	0.163
					1	38	21.84	0.153
					1	74	21.79	0.151
					36	0	20.64	0.116
					36	18	20.76	0.119
					36	39	20.82	0.121
					75	0	20.60	0.115
				26365	1	0	21.86	0.153
					1	38	21.68	0.147
					1	74	21.37	0.137
					36	0	20.85	0.122
					36	18	20.70	0.117
					36	39	20.44	0.111
					75	0	20.61	0.115
				26615	1	0	21.57	0.144
					1	38	21.49	0.141
					1	74	21.36	0.137
					36	0	20.23	0.105
					36	18	20.34	0.108
					36	39	20.47	0.111
					75	0	20.20	0.105

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 25	20 MHz	QPSK	26140	1860.0	1	0	23.20	0.209
					1	49	22.47	0.177
					1	99	22.99	0.199
					50	0	21.61	0.145
					50	25	21.77	0.150
					50	50	21.90	0.155
					100	0	21.68	0.147
					1	0	23.47	0.222
			26365	1882.5	1	49	22.68	0.185
					1	99	22.38	0.173
					50	0	21.76	0.150
					50	25	21.56	0.143
					50	50	21.22	0.132
					100	0	21.51	0.142
			26590	1905.0	1	0	22.82	0.191
					1	49	22.26	0.168
					1	99	22.34	0.171
					50	0	21.14	0.130
					50	25	21.11	0.129
					50	50	21.18	0.131
					100	0	21.25	0.133
		16QAM	26140	1860.0	1	0	22.13	0.163
					1	49	21.93	0.156
					1	99	21.87	0.154
					50	0	20.56	0.114
					50	25	20.78	0.120
					50	50	20.86	0.122
					100	0	20.70	0.117
			26365	1882.5	1	0	22.06	0.161
					1	49	21.69	0.148
					1	99	21.41	0.138
					50	0	20.77	0.119
					50	25	20.61	0.115
					50	50	20.37	0.109
					100	0	20.59	0.115
			26590	1905.0	1	0	21.55	0.143
					1	49	21.48	0.141
					1	99	21.43	0.139
					50	0	20.18	0.104
					50	25	20.18	0.104
					50	50	20.28	0.107
					100	0	20.29	0.107

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 26 (Part 90S)	1.4 MHz	QPSK	26697	814.7	1	0	22.36	0.172
					1	2	22.09	0.162
					1	5	21.66	0.147
					3	0	22.33	0.171
					3	1	22.09	0.162
					3	3	21.81	0.152
			26740	819.0	6	0	21.07	0.128
					1	0	22.78	0.190
					1	2	22.72	0.187
					1	5	22.70	0.186
					3	0	22.78	0.190
					3	1	22.71	0.187
					3	3	22.70	0.186
					6	0	21.79	0.151
			26783	823.3	1	0	22.50	0.178
					1	2	22.46	0.176
					1	5	22.43	0.175
					3	0	22.44	0.175
					3	1	22.50	0.178
					3	3	22.40	0.174
		16QAM	26697	814.7	6	0	21.46	0.140
					1	0	21.89	0.155
					1	2	21.55	0.143
					1	5	21.57	0.144
					3	0	21.34	0.136
					3	1	21.15	0.130
			26740	819.0	3	3	20.88	0.122
					6	0	20.56	0.114
					1	0	21.84	0.153
					1	2	21.79	0.151
					1	5	21.72	0.149
					3	0	21.84	0.153
					3	1	21.80	0.151
					3	3	21.80	0.151
					6	0	20.85	0.122
			26783	823.3	1	0	21.91	0.155
					1	2	21.86	0.153
					1	5	21.79	0.151
					3	0	21.48	0.141
					3	1	21.43	0.139
					3	3	21.46	0.140
					6	0	20.57	0.114

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 26 (Part 90S)	3 MHz	QPSK	26705	815.5	1	0	22.37	0.173
					1	8	21.84	0.153
					1	14	21.54	0.143
					8	0	20.89	0.123
					8	4	20.51	0.112
					8	7	20.51	0.112
					15	0	20.83	0.121
					1	0	22.73	0.187
			26740	819.0	1	8	22.67	0.185
					1	14	22.67	0.185
					8	0	21.74	0.149
					8	4	21.72	0.149
					8	7	21.77	0.150
					15	0	21.69	0.148
			26775	822.5	1	0	22.50	0.178
					1	8	22.45	0.176
					1	14	22.36	0.172
					8	0	21.54	0.143
					8	4	21.42	0.139
					8	7	21.43	0.139
					15	0	21.43	0.139
		16QAM	26705	815.5	1	0	21.30	0.135
					1	8	20.86	0.122
					1	14	20.53	0.113
					8	0	19.80	0.095
					8	4	19.97	0.099
					8	7	19.52	0.090
					15	0	19.87	0.097
			26740	819.0	1	0	21.75	0.150
					1	8	21.68	0.147
					1	14	21.68	0.147
					8	0	20.77	0.119
					8	4	20.76	0.119
					8	7	20.69	0.117
					15	0	20.75	0.119
			26775	822.5	1	0	21.51	0.142
					1	8	21.40	0.138
					1	14	21.32	0.136
					8	0	20.46	0.111
					8	4	20.39	0.109
					8	7	20.39	0.109
					15	0	20.48	0.112

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 26 (Part 90S)	5 MHz	QPSK	26715	816.5	1	0	22.23	0.167
					1	12	21.90	0.155
					1	24	21.53	0.142
					12	0	20.51	0.112
					12	6	20.59	0.115
					12	13	20.56	0.114
			26740	819.0	25	0	20.57	0.114
					1	0	22.74	0.188
					1	12	22.68	0.185
					1	24	22.63	0.183
					12	0	21.81	0.152
					12	6	21.74	0.149
					12	13	21.74	0.149
					25	0	21.72	0.149
		16QAM	26765	821.5	1	0	22.52	0.179
					1	12	22.46	0.176
					1	24	22.34	0.171
					12	0	21.44	0.139
					12	6	21.49	0.141
					12	13	21.47	0.140
			26715	816.5	25	0	21.34	0.136
					1	0	21.18	0.131
					1	12	20.54	0.113
					1	24	20.51	0.112
					12	0	20.53	0.113
					12	6	19.94	0.099
					12	13	19.61	0.091
			26740	819.0	25	0	19.67	0.093
					1	0	21.77	0.150
					1	12	21.76	0.150
					1	24	21.65	0.146
					12	0	20.80	0.120
					12	6	20.81	0.121
					12	13	20.78	0.120
					25	0	20.69	0.117
			26765	821.5	1	0	21.51	0.142
					1	12	21.48	0.141
					1	24	21.33	0.136
					12	0	20.51	0.112
					12	6	20.54	0.113
					12	11	20.53	0.113
					25	0	20.40	0.110

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 26 (Part 90S)	10 MHz	QPSK	26740	819.0	1	0	22.88	0.194
					1	24	22.62	0.183
					1	49	22.52	0.179
					25	0	20.02	0.100
					25	12	20.50	0.112
					25	25	21.38	0.137
					50	0	20.64	0.116
		16QAM	26740	819.0	1	0	22.83	0.192
					1	24	22.70	0.186
					1	49	22.54	0.179
					25	0	21.73	0.149
					25	12	21.62	0.145
					25	25	21.61	0.145
					50	0	21.57	0.144

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 26 (Part 22H)	1.4 MHz	QPSK	26797	824.7	1	0	22.31	0.170
					1	2	22.04	0.160
					1	5	21.61	0.145
					3	0	22.28	0.169
					3	1	22.04	0.160
					3	3	21.76	0.150
			26865	831.5	6	0	21.02	0.126
					1	0	22.81	0.191
					1	2	22.75	0.188
					1	5	22.73	0.187
					3	0	22.81	0.191
					3	1	22.74	0.188
					3	3	22.73	0.187
					6	0	21.82	0.152
			27033	848.3	1	0	22.52	0.179
					1	2	22.48	0.177
					1	5	22.45	0.176
					3	0	22.46	0.176
					3	1	22.52	0.179
					3	3	22.42	0.175
		16QAM	26797	824.7	6	0	21.48	0.141
					1	0	21.87	0.154
					1	2	21.53	0.142
					1	5	21.55	0.143
					3	0	21.32	0.136
					3	1	21.13	0.130
			26865	831.5	3	3	20.86	0.122
					6	0	20.54	0.113
					1	0	21.86	0.153
					1	2	21.81	0.152
					1	5	21.74	0.149
					3	0	21.86	0.153
					3	1	21.82	0.152
					3	3	21.82	0.152
					6	0	20.87	0.122
			27033	848.3	1	0	21.94	0.156
					1	2	21.89	0.155
					1	5	21.82	0.152
					3	0	21.51	0.142
					3	1	21.46	0.140
					3	3	21.49	0.141
					6	0	20.53	0.113

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 26 (Part 22H)	3 MHz	QPSK	26805	825.5	1	0	22.40	0.174
					1	8	21.87	0.154
					1	14	21.57	0.144
					8	0	20.92	0.124
					8	4	20.54	0.113
					8	7	20.54	0.113
			26865	831.5	15	0	20.86	0.122
					1	0	22.76	0.189
					1	8	22.70	0.186
					1	14	22.70	0.186
					8	0	21.77	0.150
					8	4	21.75	0.150
					8	7	21.80	0.151
					15	0	21.72	0.149
			27025	847.5	1	0	22.52	0.179
					1	8	22.47	0.177
					1	14	22.38	0.173
					8	0	21.56	0.143
					8	4	21.44	0.139
					8	7	21.45	0.140
					15	0	21.45	0.140
		16QAM	26805	825.5	1	0	21.32	0.136
					1	8	20.88	0.122
					1	14	20.55	0.114
					8	0	19.82	0.096
					8	4	19.99	0.100
					8	7	19.54	0.090
			26865	831.5	15	0	19.89	0.097
					1	0	21.78	0.151
					1	8	21.71	0.148
					1	14	21.71	0.148
					8	0	20.80	0.120
					8	4	20.79	0.120
					8	7	20.72	0.118
					15	0	20.78	0.120
			27025	847.5	1	0	21.54	0.143
					1	8	21.43	0.139
					1	14	21.35	0.136
					8	0	20.49	0.112
					8	4	20.42	0.110
					8	7	20.42	0.110
					15	0	20.51	0.112

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 26 (Part 22H)	5 MHz	QPSK	26815	826.5	1	0	22.20	0.166
					1	12	21.87	0.154
					1	24	21.53	0.142
					12	0	20.59	0.115
					12	6	20.56	0.114
					12	13	20.53	0.113
			26865	831.5	25	0	20.54	0.113
					1	0	22.76	0.189
					1	12	22.70	0.186
					1	24	22.65	0.184
					12	0	21.83	0.152
					12	6	21.76	0.150
					12	13	21.76	0.150
					25	0	21.74	0.149
			27015	846.5	1	0	22.55	0.180
					1	12	22.49	0.177
					1	24	22.37	0.173
					12	0	21.47	0.140
					12	6	21.52	0.142
					12	13	21.50	0.141
		16QAM	26815	826.5	25	0	21.37	0.137
					1	0	21.16	0.131
					1	12	20.53	0.113
					1	24	20.51	0.112
					12	0	20.51	0.112
					12	6	19.92	0.098
			26865	831.5	12	13	19.59	0.091
					25	0	19.65	0.092
					1	0	21.79	0.151
					1	12	21.78	0.151
					1	24	21.67	0.147
					12	0	20.82	0.121
					12	6	20.83	0.121
					12	13	20.80	0.120
					25	0	20.71	0.118
			27015	846.5	1	0	21.54	0.143
					1	12	21.51	0.142
					1	24	21.36	0.137
					12	0	20.54	0.113
					12	6	20.57	0.114
					12	11	20.56	0.114
					25	0	20.43	0.110

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 26 (Part 22H)	10 MHz	QPSK	26840	829.0	1	0	22.89	0.195
					1	24	22.63	0.183
					1	49	22.53	0.179
					25	0	20.03	0.101
					25	12	20.51	0.112
					25	25	21.39	0.138
			26865	831.5	50	0	20.65	0.116
					1	0	22.85	0.193
					1	24	22.72	0.187
					1	49	22.56	0.180
					25	0	21.75	0.150
					25	12	21.64	0.146
					25	25	21.63	0.146
			26990	844.0	50	0	21.59	0.144
					1	0	22.56	0.180
					1	24	22.48	0.177
					1	49	22.41	0.174
					25	0	21.48	0.141
					25	12	21.44	0.139
					25	25	21.41	0.138
			16QAM	26840	50	0	21.31	0.135
					1	0	21.90	0.155
					1	24	21.72	0.149
					1	49	21.60	0.145
					25	0	19.03	0.080
					25	12	19.30	0.085
					25	25	20.36	0.109
					50	0	19.53	0.090
				26865	1	0	21.85	0.153
					1	24	21.75	0.150
					1	49	21.62	0.145
					25	0	20.72	0.118
					25	12	20.69	0.117
					25	25	20.60	0.115
					50	0	20.60	0.115
				26990	1	0	21.58	0.144
					1	24	21.51	0.142
					1	49	21.38	0.137
					25	0	20.40	0.110
					25	12	20.41	0.110
					25	25	20.46	0.111
					50	0	20.37	0.109

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 26 (Part 22H)	15 MHz	QPSK	26865	831.5	1	0	22.87	0.194
					1	38	22.72	0.187
					1	74	22.55	0.180
					36	0	21.67	0.147
					36	18	21.58	0.144
					36	39	21.50	0.141
			26965	841.5	75	0	21.54	0.143
					1	0	22.62	0.183
					1	38	22.54	0.179
					1	74	22.47	0.177
					36	0	21.35	0.136
					36	18	21.35	0.136
					36	39	21.35	0.136
		16QAM	26865	831.5	75	0	21.36	0.137
					1	0	21.84	0.153
					1	38	21.74	0.149
					1	74	21.53	0.142
					36	0	20.71	0.118
					36	18	20.63	0.116
			26965	841.5	36	39	20.56	0.114
					75	0	20.57	0.114
					1	0	21.62	0.145
					1	38	21.50	0.141
					1	74	21.41	0.138
					36	0	20.44	0.111
					36	18	20.39	0.109
					36	39	20.39	0.109
					75	0	20.33	0.108

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 41	5 MHz	QPSK	39675	2498.5	1	0	23.74	0.237
					1	12	23.52	0.225
					1	24	23.57	0.228
					12	0	23.48	0.223
					12	6	23.71	0.235
					12	13	23.63	0.231
			40620	2593.0	25	0	23.56	0.227
					1	0	23.59	0.229
					1	12	23.43	0.220
					1	24	23.32	0.215
					12	0	23.57	0.228
					12	6	23.44	0.221
					12	13	23.57	0.228
					25	0	23.56	0.227
			41565	2687.5	1	0	23.88	0.244
					1	12	23.62	0.230
					1	24	23.68	0.233
					12	0	23.77	0.238
					12	6	23.81	0.240
					12	13	23.85	0.243
		16QAM	39675	2498.5	25	0	23.79	0.239
					1	0	23.74	0.237
					1	12	23.51	0.224
					1	24	23.51	0.224
					12	0	22.87	0.194
					12	6	22.90	0.195
			40620	2593.0	12	13	22.87	0.194
					25	0	22.50	0.178
					1	0	23.22	0.210
					1	12	23.03	0.201
					1	24	23.17	0.207
					12	0	22.77	0.189
					12	6	22.80	0.191
					12	13	22.77	0.189
			41565	2687.5	25	0	22.50	0.178
					1	0	23.17	0.207
					1	12	23.13	0.206
					1	24	23.05	0.202
					12	0	23.13	0.206
					12	6	23.11	0.205
					12	13	23.16	0.207
					25	0	22.71	0.187

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 41	10 MHz	QPSK	39700	2501.0	1	0	23.69	0.234
					1	24	23.55	0.226
					1	49	23.51	0.224
					25	0	20.50	0.112
					25	12	20.51	0.112
					25	25	20.53	0.113
			40620	2593.0	50	0	20.38	0.109
					1	0	23.38	0.218
					1	24	23.37	0.217
					1	49	23.36	0.217
					25	0	20.39	0.109
					25	12	20.38	0.109
					25	25	20.41	0.110
					50	0	20.31	0.107
		16QAM	41540	2685.0	1	0	23.63	0.231
					1	24	23.60	0.229
					1	49	23.61	0.230
					25	0	20.60	0.115
					25	12	20.66	0.116
					25	25	20.57	0.114
			39700	2501.0	50	0	20.54	0.113
					1	0	23.58	0.228
					1	24	23.49	0.223
					1	49	23.14	0.206
					25	0	19.23	0.084
					25	12	19.38	0.087
					25	25	19.34	0.086
			40620	2593.0	50	0	19.35	0.086
					1	0	23.27	0.212
					1	24	23.25	0.211
					1	49	23.26	0.212
					25	0	19.31	0.085
					25	12	19.29	0.085
					25	25	19.30	0.085
			41540	2685.0	50	0	19.30	0.085
					1	0	23.57	0.228
					1	24	23.55	0.226
					1	49	23.57	0.228
					25	0	19.43	0.088
					25	12	19.52	0.090
					25	25	19.54	0.090
					50	0	19.52	0.090

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 41	15 MHz	QPSK	39725	2503.5	1	0	23.79	0.239
					1	38	23.76	0.238
					1	74	23.77	0.238
					36	0	20.55	0.114
					36	18	20.73	0.118
					36	39	20.87	0.122
			40620	2593.0	75	0	20.69	0.117
					1	0	23.67	0.233
					1	38	23.56	0.227
					1	74	23.64	0.231
					36	0	20.63	0.116
					36	18	20.58	0.114
					36	39	20.56	0.114
					75	0	20.49	0.112
			41515	2682.5	1	0	23.82	0.241
					1	38	23.74	0.237
					1	74	23.68	0.233
					36	0	20.18	0.104
					36	18	20.15	0.104
					36	39	20.13	0.103
		16QAM	39725	2503.5	75	0	20.16	0.104
					1	0	23.71	0.235
					1	38	23.69	0.234
					1	74	23.57	0.228
					36	0	19.13	0.082
					36	18	19.16	0.082
			40620	2593.0	36	39	19.18	0.083
					75	0	19.05	0.080
					1	0	23.57	0.228
					1	38	23.51	0.224
					1	74	23.48	0.223
					36	0	19.06	0.081
					36	18	19.04	0.080
					36	39	19.15	0.082
					75	0	19.03	0.080
			41515	2682.5	1	0	23.72	0.236
					1	38	23.61	0.230
					1	74	23.59	0.229
					36	0	19.13	0.082
					36	18	19.02	0.080
					36	39	19.17	0.083
					75	0	19.11	0.081

Band	Channel Bandwidth	Modulation	Channel	Frequency (MHz)	RB Configuration		Average Power	
					Size	Offset	(dBm)	(W)
LTE Band 41	20 MHz	QPSK	39750	2506	1	0	23.58	0.228
					1	49	23.42	0.220
					1	99	22.36	0.172
					50	0	23.54	0.226
					50	25	23.57	0.228
					50	50	23.37	0.217
					100	0	23.49	0.223
			40620	2593	1	0	23.07	0.203
					1	49	22.52	0.179
					1	99	23.04	0.201
					50	0	22.88	0.194
					50	25	23.05	0.202
					50	50	22.87	0.194
					100	0	22.89	0.195
			41490	2680	1	0	23.30	0.214
					1	49	23.14	0.206
					1	99	23.07	0.203
					50	0	23.15	0.207
					50	25	23.05	0.202
					50	50	22.27	0.169
					100	0	22.82	0.191
		16QAM	39750	2506	1	0	22.98	0.199
					1	49	22.77	0.189
					1	99	22.31	0.170
					50	0	22.64	0.184
					50	25	22.77	0.189
					50	50	22.46	0.176
					100	0	22.56	0.180
			40620	2593	1	0	22.44	0.175
					1	49	21.19	0.132
					1	99	21.52	0.142
					50	0	22.25	0.168
					50	25	22.43	0.175
					50	50	22.23	0.167
					100	0	22.24	0.167
			41490	2680	1	0	22.71	0.187
					1	49	22.49	0.177
					1	99	21.45	0.140
					50	0	22.50	0.178
					50	25	22.47	0.177
					50	50	21.72	0.149
					100	0	22.24	0.167

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 in BRS and EBS band are limited to 2watts EIRP.

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

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

3.2. Test Instruments

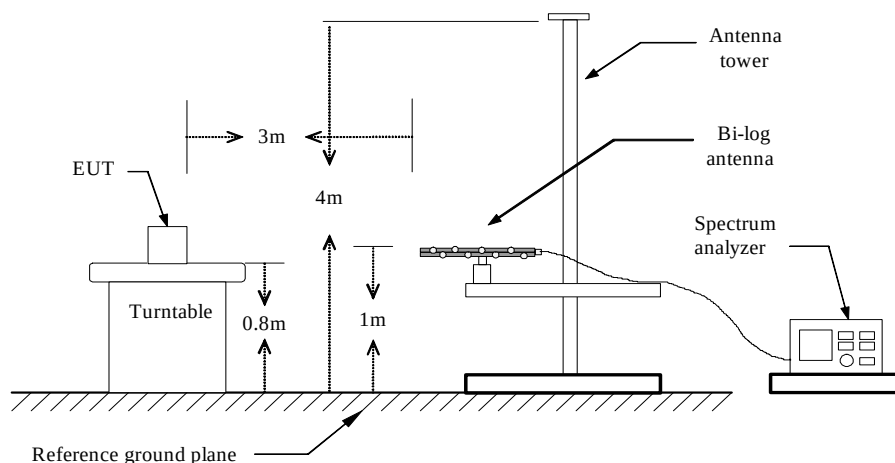
3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/06/2015	(1)
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/06/2015	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/21/2014	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/21/2014	(1)
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	07/22/2014	(1)
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/11/2014	(1)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	07/02/2014	(1)
Test Site	ATL	TE01	888001	08/28/2014	(1)

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

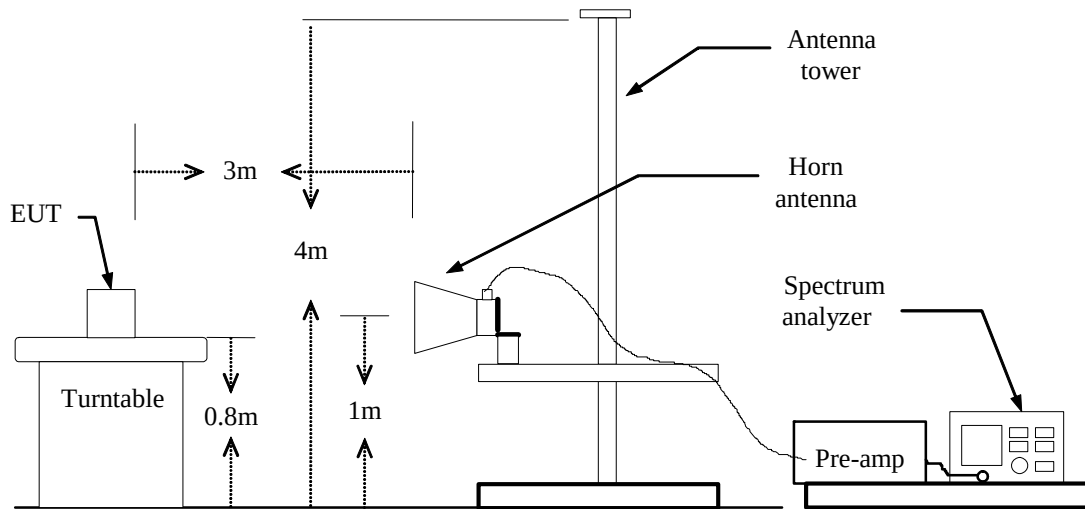
Note: N.C.R. = No Calibration Request.

3.3. Test Setup

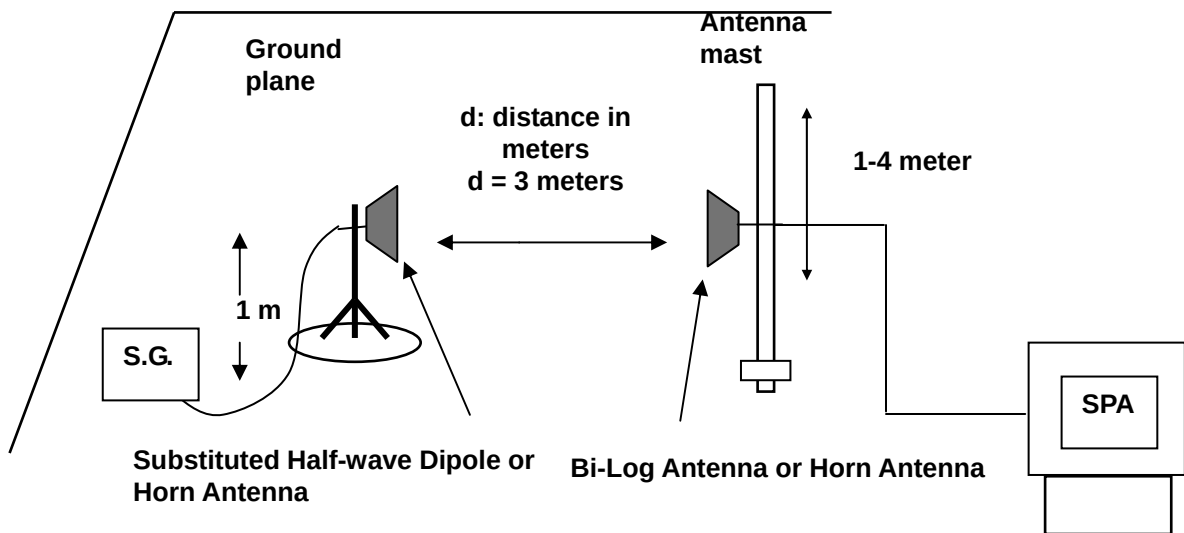
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



3.4. Test Procedure

- a. The EUT was set up for the maximum power with LTE link data modulation. The power was measured with R&S Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range). RWB and VBW is 10MHz for LTE and 5MHz for WCDMA mode.
- b. E.I.R.P power measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G.
- d. $E.I.R.P. = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$
- e. $E.R.P. = E.I.R.P. - 2.15 \text{ dB}$

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	AC779S-100		
Test Item	E.I.R.P. / E.R.P.		
Date of Test	02/10/2015 ~ 02/13/2015	Test Site	TC03

LTE Band 2								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
1.4 M	QPSK	1850.7	H	13.33	6.33	19.66	0.092	< 2
			V	16.65	6.33	22.98	0.199	< 2
		1880.0	H	12.70	6.54	19.24	0.084	< 2
			V	16.31	6.55	22.86	0.193	< 2
		1909.3	H	12.72	6.79	19.51	0.089	< 2
			V	16.04	6.79	22.83	0.192	< 2
	16QAM	1850.7	H	12.00	6.33	18.33	0.068	< 2
			V	15.22	6.33	21.55	0.143	< 2
		1880.0	H	11.58	6.55	18.13	0.065	< 2
			V	14.79	6.55	21.34	0.136	< 2
		1909.3	H	12.26	6.79	19.05	0.080	< 2
			V	14.40	6.79	21.19	0.132	< 2
3 MHz	QPSK	1851.5	H	13.65	6.33	19.98	0.100	< 2
			V	16.68	6.33	23.01	0.200	< 2
		1880.0	H	13.51	6.55	20.06	0.101	< 2
			V	16.32	6.55	22.87	0.194	< 2
		1908.5	H	12.34	6.77	19.11	0.081	< 2
			V	16.18	6.77	22.95	0.197	< 2
	16QAM	1851.5	H	11.87	6.33	18.20	0.066	< 2
			V	14.76	6.33	21.09	0.129	< 2
		1880.0	H	12.11	6.55	18.66	0.073	< 2
			V	14.30	6.55	20.85	0.122	< 2
		1908.5	H	11.51	6.76	18.27	0.067	< 2
			V	14.10	6.77	20.87	0.122	< 2
5 MHz	QPSK	1852.5	H	13.80	6.33	20.13	0.103	< 2
			V	16.44	6.33	22.77	0.189	< 2
		1880.0	H	13.54	6.54	20.08	0.102	< 2
			V	16.25	6.54	22.79	0.190	< 2
		1907.5	H	13.36	6.75	20.11	0.103	< 2
			V	15.80	6.75	22.55	0.180	< 2
	16QAM	1852.5	H	12.84	6.33	19.17	0.083	< 2
			V	15.63	6.33	21.96	0.157	< 2
		1880.0	H	12.49	6.54	19.03	0.080	< 2
			V	14.69	6.54	21.23	0.133	< 2
		1907.5	H	12.37	6.75	19.12	0.082	< 2
			V	14.33	6.75	21.08	0.128	< 2

LTE Band 2								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
10 MHz	QPSK	1855.0	H	13.85	6.34	20.19	0.104	< 2
			V	16.80	6.33	23.13	0.206	< 2
		1880.0	H	13.38	6.53	19.91	0.098	< 2
			V	15.81	6.53	22.34	0.171	< 2
		1905.0	H	13.34	6.71	20.05	0.101	< 2
			V	16.18	6.72	22.90	0.195	< 2
	16QAM	1855.0	H	12.94	6.33	19.27	0.085	< 2
			V	15.79	6.33	22.12	0.163	< 2
		1880.0	H	12.48	6.53	19.01	0.080	< 2
			V	15.02	6.53	21.55	0.143	< 2
		1905.0	H	11.62	6.72	18.34	0.068	< 2
			V	14.85	6.71	21.56	0.143	< 2
15 MHz	QPSK	1857.5	H	13.91	6.34	20.25	0.106	< 2
			V	16.79	6.34	23.13	0.206	< 2
		1880.0	H	13.54	6.52	20.06	0.101	< 2
			V	16.27	6.51	22.78	0.190	< 2
		1902.5	H	12.66	6.69	19.35	0.086	< 2
			V	16.14	6.69	22.83	0.192	< 2
	16QAM	1857.5	H	12.22	6.34	18.56	0.072	< 2
			V	15.43	6.34	21.77	0.150	< 2
		1880.0	H	12.15	6.51	18.66	0.073	< 2
			V	14.69	6.52	21.21	0.132	< 2
		1902.5	H	11.69	6.68	18.37	0.069	< 2
			V	14.78	6.68	21.46	0.140	< 2
20 MHz	QPSK	1860.0	H	13.74	6.34	20.08	0.102	< 2
			V	16.80	6.34	23.14	0.206	< 2
		1880.0	H	13.84	6.49	20.33	0.108	< 2
			V	16.33	6.49	22.82	0.191	< 2
		1900.0	H	13.51	6.64	20.15	0.104	< 2
			V	16.23	6.64	22.87	0.194	< 2
	16QAM	1860.0	H	12.40	6.34	18.74	0.075	< 2
			V	16.02	6.34	22.36	0.172	< 2
		1880.0	H	13.06	6.49	19.55	0.090	< 2
			V	14.76	6.50	21.26	0.134	< 2
		1900.0	H	12.39	6.64	19.03	0.080	< 2
			V	15.07	6.64	21.71	0.148	< 2

LTE Band 4								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
1.4 MHz	QPSK	1710.7	H	15.98	5.26	21.24	0.133	< 1
			V	17.60	5.26	22.86	0.193	< 1
		1732.5	H	14.92	5.44	20.36	0.109	< 1
			V	17.44	5.43	22.87	0.194	< 1
		1754.3	H	14.94	5.59	20.53	0.113	< 1
			V	17.59	5.59	23.18	0.208	< 1
	16QAM	1710.7	H	15.12	5.26	20.38	0.109	< 1
			V	16.93	5.26	22.19	0.166	< 1
		1732.5	H	14.22	5.43	19.65	0.092	< 1
			V	16.12	5.43	21.55	0.143	< 1
		1754.3	H	13.17	5.60	18.77	0.075	< 1
			V	16.10	5.59	21.69	0.148	< 1
3 MHz	QPSK	1711.5	H	15.91	5.26	21.17	0.131	< 1
			V	17.65	5.26	22.91	0.195	< 1
		1732.5	H	14.67	5.43	20.10	0.102	< 1
			V	17.46	5.42	22.88	0.194	< 1
		1753.5	H	16.06	5.58	21.64	0.146	< 1
			V	17.56	5.58	23.14	0.206	< 1
	16QAM	1711.5	H	14.23	5.26	19.49	0.089	< 1
			V	16.27	5.26	21.53	0.142	< 1
		1732.5	H	13.94	5.43	19.37	0.086	< 1
			V	16.15	5.43	21.58	0.144	< 1
		1753.5	H	14.06	5.58	19.64	0.092	< 1
			V	15.82	5.58	21.40	0.138	< 1
5 MHz	QPSK	1712.5	H	15.85	5.26	21.11	0.129	< 1
			V	17.70	5.26	22.96	0.198	< 1
		1732.5	H	14.99	5.41	20.40	0.110	< 1
			V	17.32	5.41	22.73	0.187	< 1
		1752.5	H	15.75	5.57	21.32	0.136	< 1
			V	17.14	5.57	22.71	0.187	< 1
	16QAM	1712.5	H	14.34	5.26	19.60	0.091	< 1
			V	16.33	5.26	21.59	0.144	< 1
		1732.5	H	14.11	5.41	19.52	0.090	< 1
			V	15.80	5.41	21.21	0.132	< 1
		1752.5	H	14.15	5.57	19.72	0.094	< 1
			V	15.58	5.57	21.15	0.130	< 1

LTE Band 4								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
10 MHz	QPSK	1715.0	H	16.29	5.26	21.55	0.143	< 1
			V	17.82	5.26	23.08	0.203	< 1
		1732.5	H	16.14	5.39	21.53	0.142	< 1
			V	17.58	5.39	22.97	0.198	< 1
		1750.0	H	15.59	5.54	21.13	0.130	< 1
			V	17.47	5.54	23.01	0.200	< 1
	16QAM	1715.0	H	14.36	5.27	19.63	0.092	< 1
			V	15.99	5.27	21.26	0.134	< 1
		1732.5	H	14.00	5.39	19.39	0.087	< 1
			V	16.24	5.39	21.63	0.146	< 1
		1750.0	H	13.64	5.54	19.18	0.083	< 1
			V	15.93	5.54	21.47	0.140	< 1
15 MHz	QPSK	1717.5	H	16.07	5.27	21.34	0.136	< 1
			V	17.62	5.27	22.89	0.195	< 1
		1732.5	H	15.69	5.38	21.07	0.128	< 1
			V	17.76	5.38	23.14	0.206	< 1
		1747.5	H	15.00	5.49	20.49	0.112	< 1
			V	17.45	5.49	22.94	0.197	< 1
	16QAM	1717.5	H	14.30	5.27	19.57	0.091	< 1
			V	15.95	5.27	21.22	0.132	< 1
		1732.5	H	14.27	5.38	19.65	0.092	< 1
			V	15.98	5.38	21.36	0.137	< 1
		1747.5	H	13.81	5.49	19.30	0.085	< 1
			V	15.60	5.49	21.09	0.129	< 1
20 MHz	QPSK	1720.0	H	16.01	5.27	21.28	0.134	< 1
			V	17.85	5.27	23.12	0.205	< 1
		1732.5	H	15.86	5.37	21.23	0.133	< 1
			V	15.86	5.37	21.23	0.133	< 1
		1745.0	H	15.98	5.45	21.43	0.139	< 1
			V	16.78	5.46	22.24	0.167	< 1
	16QAM	1720.0	H	14.06	5.27	19.33	0.086	< 1
			V	16.02	5.27	21.29	0.135	< 1
		1732.5	H	13.84	5.36	19.20	0.083	< 1
			V	15.81	5.36	21.17	0.131	< 1
		1745.0	H	14.32	5.46	19.78	0.095	< 1
			V	15.99	5.45	21.44	0.139	< 1

LTE Band 5								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.R.P.		Limit (W)
						(dBm)	(W)	
1.4 MHz	QPSK	824.7	H	9.92	10.81	20.73	0.118	< 7
			V	11.77	10.81	22.58	0.181	< 7
		836.5	H	9.46	10.82	20.28	0.107	< 7
			V	11.52	10.82	22.34	0.171	< 7
		848.3	H	9.77	10.90	20.67	0.117	< 7
			V	11.89	10.90	22.79	0.190	< 7
	16QAM	824.7	H	9.01	10.82	19.83	0.096	< 7
			V	10.33	10.81	21.14	0.130	< 7
		836.5	H	8.80	10.82	19.62	0.092	< 7
			V	10.98	10.82	21.80	0.151	< 7
		848.3	H	8.36	10.90	19.26	0.084	< 7
			V	10.64	10.90	21.54	0.143	< 7
3 MHz	QPSK	825.5	H	9.66	10.81	20.47	0.111	< 7
			V	11.37	10.81	22.18	0.165	< 7
		836.5	H	10.25	10.81	21.06	0.128	< 7
			V	11.81	10.81	22.62	0.183	< 7
		847.5	H	10.17	10.87	21.04	0.127	< 7
			V	11.34	10.87	22.21	0.166	< 7
	16QAM	825.5	H	8.97	10.81	19.78	0.095	< 7
			V	10.94	10.82	21.76	0.150	< 7
		836.5	H	9.30	10.81	20.11	0.103	< 7
			V	10.58	10.81	21.39	0.138	< 7
		847.5	H	8.44	10.87	19.31	0.085	< 7
			V	10.41	10.87	21.28	0.134	< 7
5 MHz	QPSK	826.5	H	9.53	10.82	20.35	0.108	< 7
			V	11.90	10.82	22.72	0.187	< 7
		836.5	H	10.27	10.82	21.09	0.129	< 7
			V	11.76	10.82	22.58	0.181	< 7
		846.5	H	9.47	10.85	20.32	0.108	< 7
			V	11.78	10.85	22.63	0.183	< 7
	16QAM	826.5	H	8.30	10.82	19.12	0.082	< 7
			V	10.46	10.81	21.27	0.134	< 7
		836.5	H	8.55	10.82	19.37	0.086	< 7
			V	10.99	10.82	21.81	0.152	< 7
		846.5	H	9.16	10.86	20.02	0.100	< 7
			V	10.42	10.86	21.28	0.134	< 7

LTE Band 5								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.R.P.		Limit (W)
						(dBm)	(W)	
10 MHz	QPSK	829.0	H	9.92	10.82	20.74	0.119	< 7
			V	11.84	10.82	22.66	0.185	< 7
		836.5	H	9.66	10.81	20.47	0.111	< 7
			V	11.86	10.81	22.67	0.185	< 7
		844.0	H	9.67	10.82	20.49	0.112	< 7
			V	11.94	10.82	22.76	0.189	< 7
	16QAM	829.0	H	8.73	10.82	19.55	0.090	< 7
			V	11.19	10.82	22.01	0.159	< 7
		836.5	H	9.00	10.81	19.81	0.096	< 7
			V	10.80	10.81	21.61	0.145	< 7
		844.0	H	9.13	10.82	19.95	0.099	< 7
			V	11.11	10.82	21.93	0.156	< 7

LTE Band 12								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.R.P.		Limit (W)
						(dBm)	(W)	
1.4 MHz	QPSK	699.7	H	10.25	10.09	20.34	0.108	< 30
			V	12.19	10.09	22.28	0.169	< 30
		707.5	H	10.35	10.34	20.69	0.117	< 30
			V	12.45	10.35	22.80	0.191	< 30
		715.3	H	9.85	10.59	20.44	0.111	< 30
			V	11.93	10.59	22.52	0.179	< 30
	16QAM	699.7	H	10.40	10.09	20.49	0.112	< 30
			V	11.64	10.09	21.73	0.149	< 30
		707.5	H	10.40	10.34	20.74	0.119	< 30
			V	11.17	10.35	21.52	0.142	< 30
		715.3	H	9.54	10.60	20.14	0.103	< 30
			V	11.07	10.60	21.67	0.147	< 30
3 MHz	QPSK	700.5	H	10.14	10.09	20.23	0.105	< 30
			V	12.60	10.09	22.69	0.186	< 30
		707.5	H	10.41	10.32	20.73	0.118	< 30
			V	11.89	10.33	22.22	0.167	< 30
		714.5	H	10.52	10.55	21.07	0.128	< 30
			V	11.74	10.55	22.29	0.169	< 30
	16QAM	700.5	H	9.74	10.09	19.83	0.096	< 30
			V	11.35	10.09	21.44	0.139	< 30
		707.5	H	9.81	10.33	20.14	0.103	< 30
			V	11.23	10.33	21.56	0.143	< 30
		714.5	H	9.25	10.55	19.80	0.095	< 30
			V	11.16	10.55	21.71	0.148	< 30

LTE Band 12								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.R.P.		Limit (W)
						(dBm)	(W)	
5 MHz	QPSK	701.5	H	10.94	10.09	21.03	0.127	< 30
			V	12.15	10.09	22.24	0.167	< 30
		707.5	H	10.07	10.29	20.36	0.109	< 30
			V	12.25	10.29	22.54	0.179	< 30
		713.5	H	9.76	10.47	20.23	0.105	< 30
			V	12.08	10.49	22.57	0.181	< 30
	16QAM	701.5	H	9.95	10.08	20.03	0.101	< 30
			V	11.05	10.09	21.14	0.130	< 30
		707.5	H	8.97	10.29	19.26	0.084	< 30
			V	10.73	10.29	21.02	0.126	< 30
		713.5	H	9.42	10.49	19.91	0.098	< 30
			V	11.24	10.49	21.73	0.149	< 30
10 MHz	QPSK	704.0	H	10.34	10.10	20.44	0.111	< 30
			V	12.30	10.09	22.39	0.173	< 30
		707.5	H	9.86	10.21	20.07	0.102	< 30
			V	12.48	10.20	22.68	0.185	< 30
		711.0	H	10.46	10.33	20.79	0.120	< 30
			V	12.04	10.33	22.37	0.173	< 30
	16QAM	704.0	H	10.05	10.09	20.14	0.103	< 30
			V	11.23	10.10	21.33	0.136	< 30
		707.5	H	9.90	10.20	20.10	0.102	< 30
			V	11.25	10.21	21.46	0.140	< 30
		711.0	H	8.78	10.33	19.11	0.081	< 30
			V	11.22	10.33	21.55	0.143	< 30

LTE Band 25								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
1.4 MHz	QPSK	1850.7	H	14.26	6.07	20.33	0.108	< 2
			V	16.65	6.07	22.72	0.187	< 2
		1882.5	H	14.47	6.32	20.79	0.120	< 2
			V	16.08	6.32	22.40	0.174	< 2
		1914.3	H	13.83	6.54	20.37	0.109	< 2
			V	16.14	6.54	22.68	0.185	< 2
	16QAM	1850.7	H	13.25	6.07	19.32	0.086	< 2
			V	15.54	6.07	21.61	0.145	< 2
		1882.5	H	13.36	6.31	19.67	0.093	< 2
			V	15.07	6.31	21.38	0.137	< 2
		1914.3	H	12.75	6.54	19.29	0.085	< 2
			V	15.06	6.54	21.60	0.145	< 2
3 MHz	QPSK	1851.5	H	14.11	6.07	20.18	0.104	< 2
			V	16.55	6.07	22.62	0.183	< 2
		1882.5	H	14.23	6.30	20.53	0.113	< 2
			V	16.34	6.31	22.65	0.184	< 2
		1913.5	H	13.93	6.54	20.47	0.111	< 2
			V	16.26	6.54	22.80	0.191	< 2
	16QAM	1851.5	H	13.09	6.07	19.16	0.082	< 2
			V	15.18	6.07	21.25	0.133	< 2
		1882.5	H	13.19	6.30	19.49	0.089	< 2
			V	15.26	6.30	21.56	0.143	< 2
		1913.5	H	13.17	6.54	19.71	0.094	< 2
			V	15.10	6.54	21.64	0.146	< 2
5 MHz	QPSK	1852.5	H	14.57	6.07	20.64	0.116	< 2
			V	16.41	6.07	22.48	0.177	< 2
		1882.5	H	13.90	6.28	20.18	0.104	< 2
			V	16.41	6.28	22.69	0.186	< 2
		1912.5	H	14.00	6.51	20.51	0.112	< 2
			V	16.26	6.51	22.77	0.189	< 2
	16QAM	1852.5	H	13.41	6.07	19.48	0.089	< 2
			V	15.33	6.07	21.40	0.138	< 2
		1882.5	H	12.84	6.28	19.12	0.082	< 2
			V	15.14	6.28	21.42	0.139	< 2
		1912.5	H	12.81	6.51	19.32	0.086	< 2
			V	15.14	6.51	21.65	0.146	< 2

LTE Band 25								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
10 MHz	QPSK	1855.0	H	14.27	6.08	20.35	0.108	< 2
			V	16.50	6.08	22.58	0.181	< 2
		1882.5	H	14.41	6.27	20.68	0.117	< 2
			V	16.25	6.27	22.52	0.179	< 2
		1910.0	H	13.85	6.48	20.33	0.108	< 2
			V	15.99	6.48	22.47	0.177	< 2
	16QAM	1855.0	H	13.17	6.07	19.24	0.084	< 2
			V	15.10	6.07	21.17	0.131	< 2
		1882.5	H	13.29	6.27	19.56	0.090	< 2
			V	14.76	6.27	21.03	0.127	< 2
		1910.0	H	12.74	6.48	19.22	0.084	< 2
			V	14.64	6.48	21.12	0.129	< 2
15 MHz	QPSK	1857.5	H	14.35	6.08	20.43	0.110	< 2
			V	16.64	6.08	22.72	0.187	< 2
		1882.5	H	14.15	6.26	20.41	0.110	< 2
			V	16.31	6.26	22.57	0.181	< 2
		1907.5	H	14.24	6.45	20.69	0.117	< 2
			V	16.20	6.45	22.65	0.184	< 2
	16QAM	1857.5	H	13.11	6.08	19.19	0.083	< 2
			V	15.12	6.08	21.20	0.132	< 2
		1882.5	H	13.14	6.26	19.40	0.087	< 2
			V	14.82	6.26	21.08	0.128	< 2
		1907.5	H	12.89	6.45	19.34	0.086	< 2
			V	14.91	6.45	21.36	0.137	< 2
20 MHz	QPSK	1860.0	H	14.52	6.08	20.60	0.115	< 2
			V	16.51	6.08	22.59	0.182	< 2
		1882.5	H	14.26	6.25	20.51	0.112	< 2
			V	16.37	6.25	22.62	0.183	< 2
		1905.0	H	14.07	6.40	20.47	0.111	< 2
			V	16.14	6.40	22.54	0.179	< 2
	16QAM	1860.0	H	13.29	6.08	19.37	0.086	< 2
			V	15.47	6.08	21.55	0.143	< 2
		1882.5	H	13.12	6.25	19.37	0.086	< 2
			V	15.34	6.25	21.59	0.144	< 2
		1905.0	H	12.81	6.40	19.21	0.083	< 2
			V	15.06	6.40	21.46	0.140	< 2

LTE Band 26_Part 90S								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.R.P.		Limit (W)
						(dBm)	(W)	
1.4 MHz	QPSK	814.7	H	9.46	10.98	20.44	0.111	< 100
			V	11.35	10.99	22.34	0.171	< 100
		819.0	H	10.25	10.94	21.19	0.132	< 100
			V	11.42	10.94	22.36	0.172	< 100
		823.3	H	9.74	10.81	20.55	0.114	< 100
			V	11.52	10.81	22.33	0.171	< 100
	16QAM	814.7	H	8.29	10.99	19.28	0.085	< 100
			V	10.08	10.98	21.06	0.128	< 100
		819.0	H	9.05	10.94	19.99	0.100	< 100
			V	10.20	10.94	21.14	0.130	< 100
		823.3	H	8.72	10.81	19.53	0.090	< 100
			V	10.50	10.81	21.31	0.135	< 100
3 MHz	QPSK	815.5	H	9.49	10.99	20.48	0.112	< 100
			V	11.63	10.98	22.61	0.182	< 100
		819.0	H	9.71	10.94	20.65	0.116	< 100
			V	11.78	10.94	22.72	0.187	< 100
		822.5	H	9.99	10.81	20.80	0.120	< 100
			V	11.40	10.81	22.21	0.166	< 100
	16QAM	815.5	H	8.44	10.98	19.42	0.087	< 100
			V	10.45	10.98	21.43	0.139	< 100
		819.0	H	8.65	10.94	19.59	0.091	< 100
			V	10.69	10.94	21.63	0.146	< 100
		822.5	H	8.88	10.81	19.69	0.093	< 100
			V	10.37	10.81	21.18	0.131	< 100
5 MHz	QPSK	816.5	H	9.64	10.99	20.63	0.116	< 100
			V	11.72	10.99	22.71	0.187	< 100
		819.0	H	9.81	10.94	20.75	0.119	< 100
			V	11.92	10.94	22.86	0.193	< 100
		821.5	H	10.03	10.81	20.84	0.121	< 100
			V	11.69	10.81	22.50	0.178	< 100
	16QAM	816.5	H	8.44	10.98	19.42	0.087	< 100
			V	10.71	10.98	21.69	0.148	< 100
		819.0	H	8.55	10.94	19.49	0.089	< 100
			V	10.84	10.94	21.78	0.151	< 100
		821.5	H	8.94	10.81	19.75	0.094	< 100
			V	10.58	10.81	21.39	0.138	< 100
10 MHz	QPSK	819.0	H	9.61	10.94	20.55	0.114	< 100
			V	11.63	10.94	22.57	0.181	< 100
	16QAM	819.0	H	8.17	10.94	19.11	0.081	< 100
			V	10.30	10.94	21.24	0.133	< 100

LTE Band 26_Part 22H								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.R.P.		Limit (W)
						(dBm)	(W)	
1.4 MHz	QPSK	824.7	H	9.43	10.81	20.24	0.106	< 7
			V	11.31	10.81	22.12	0.163	< 7
		831.5	H	10.34	10.80	21.14	0.130	< 7
			V	11.47	10.80	22.27	0.169	< 7
		848.3	H	9.74	10.89	20.63	0.116	< 7
			V	11.52	10.89	22.41	0.174	< 7
	16QAM	824.7	H	8.25	10.81	19.06	0.081	< 7
			V	10.02	10.81	20.83	0.121	< 7
		831.5	H	9.09	10.80	19.89	0.097	< 7
			V	10.40	10.80	21.20	0.132	< 7
		848.3	H	8.72	10.89	19.61	0.091	< 7
			V	10.50	10.89	21.39	0.138	< 7
3 MHz	QPSK	825.5	H	9.45	10.81	20.26	0.106	< 7
			V	11.59	10.81	22.40	0.174	< 7
		831.5	H	9.76	10.80	20.56	0.114	< 7
			V	11.86	10.80	22.66	0.185	< 7
		847.5	H	9.99	10.86	20.85	0.122	< 7
			V	11.40	10.86	22.26	0.168	< 7
	16QAM	825.5	H	8.38	10.81	19.19	0.083	< 7
			V	10.42	10.81	21.23	0.133	< 7
		831.5	H	8.74	10.80	19.54	0.090	< 7
			V	10.76	10.80	21.56	0.143	< 7
		847.5	H	8.88	10.86	19.74	0.094	< 7
			V	10.37	10.86	21.23	0.133	< 7
5 MHz	QPSK	826.5	H	9.57	10.82	20.39	0.109	< 7
			V	11.68	10.82	22.50	0.178	< 7
		831.5	H	9.85	10.79	20.64	0.116	< 7
			V	11.99	10.79	22.78	0.190	< 7
		846.5	H	10.03	10.85	20.88	0.122	< 7
			V	11.69	10.85	22.54	0.179	< 7
	16QAM	826.5	H	8.35	10.82	19.17	0.083	< 7
			V	10.64	10.82	21.46	0.140	< 7
		831.5	H	8.66	10.79	19.45	0.088	< 7
			V	10.90	10.79	21.69	0.148	< 7
		846.5	H	8.94	10.85	19.79	0.095	< 7
			V	10.58	10.85	21.43	0.139	< 7

LTE Band 26_Part 22H								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.R.P.		Limit (W)
						(dBm)	(W)	
10 MHz	QPSK	829.0	H	9.75	10.82	20.57	0.114	< 7
			V	11.57	10.82	22.39	0.173	< 7
		831.5	H	9.66	10.79	20.45	0.111	< 7
			V	11.82	10.79	22.61	0.182	< 7
		844.0	H	9.71	10.81	20.52	0.113	< 7
			V	11.74	10.81	22.55	0.180	< 7
	16QAM	829.0	H	8.56	10.82	19.38	0.087	< 7
			V	10.51	10.82	21.33	0.136	< 7
		831.5	H	8.26	10.79	19.05	0.080	< 7
			V	10.35	10.79	21.14	0.130	< 7
		844.0	H	8.61	10.81	19.42	0.087	< 7
			V	10.56	10.81	21.37	0.137	< 7
15 MHz	QPSK	831.5	H	9.39	10.80	20.19	0.104	< 7
			V	11.88	10.80	22.68	0.185	< 7
		841.5	H	9.88	10.79	20.67	0.117	< 7
			V	11.59	10.80	22.39	0.173	< 7
	16QAM	831.5	H	8.25	10.80	19.05	0.080	< 7
			V	10.84	10.80	21.64	0.146	< 7
		841.5	H	8.84	10.80	19.64	0.092	< 7
			V	10.50	10.80	21.30	0.135	< 7

LTE Band 41								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
5 MHz	QPSK	2498.5	H	10.48	9.83	20.31	0.107	< 2
			V	13.07	9.83	22.90	0.195	< 2
		2593.0	H	9.97	10.54	20.51	0.112	< 2
			V	12.03	10.53	22.56	0.180	< 2
		2687.5	H	9.40	11.24	20.64	0.116	< 2
			V	11.20	11.23	22.43	0.175	< 2
	16QAM	2498.5	H	9.36	9.83	19.19	0.083	< 2
			V	11.47	9.83	21.30	0.135	< 2
		2593.0	H	8.77	10.54	19.31	0.085	< 2
			V	10.79	10.53	21.32	0.136	< 2
		2687.5	H	8.31	11.24	19.55	0.090	< 2
			V	9.76	11.24	21.00	0.126	< 2
10 MHz	QPSK	2501.0	H	10.42	9.83	20.25	0.106	< 2
			V	12.57	9.83	22.40	0.174	< 2
		2593.0	H	9.97	10.52	20.49	0.112	< 2
			V	12.00	10.52	22.52	0.179	< 2
		2685.0	H	9.46	11.20	20.66	0.116	< 2
			V	11.38	11.20	22.58	0.181	< 2
	16QAM	2501.0	H	9.31	9.83	19.14	0.082	< 2
			V	11.39	9.83	21.22	0.132	< 2
		2593.0	H	8.88	10.52	19.40	0.087	< 2
			V	10.75	10.52	21.27	0.134	< 2
		2685.0	H	8.43	11.20	19.63	0.092	< 2
			V	10.02	11.20	21.22	0.132	< 2
15 MHz	QPSK	2503.5	H	10.47	9.83	20.30	0.107	< 2
			V	12.44	9.83	22.27	0.169	< 2
		2593.0	H	9.89	10.51	20.40	0.110	< 2
			V	12.43	10.50	22.93	0.196	< 2
		2682.5	H	9.10	11.16	20.26	0.106	< 2
			V	11.41	11.16	22.57	0.181	< 2
	16QAM	2503.5	H	9.32	9.83	19.15	0.082	< 2
			V	11.33	9.83	21.16	0.131	< 2
		2593.0	H	9.06	10.51	19.57	0.091	< 2
			V	11.19	10.50	21.69	0.148	< 2
		2682.5	H	7.95	11.16	19.11	0.081	< 2
			V	10.18	11.16	21.34	0.136	< 2

LTE Band 41								
Channel Bandwidth	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
20 MHz	QPSK	2506.0	H	10.66	9.84	20.50	0.112	< 2
			V	12.44	9.84	22.28	0.169	< 2
		2593.0	H	10.22	10.48	20.70	0.117	< 2
			V	12.04	10.48	22.52	0.179	< 2
		2680.0	H	9.75	11.13	20.88	0.122	< 2
			V	11.22	11.13	22.35	0.172	< 2
	16QAM	2506.0	H	9.55	9.84	19.39	0.087	< 2
			V	11.33	9.84	21.17	0.131	< 2
		2593.0	H	8.70	10.48	19.18	0.083	< 2
			V	10.78	10.48	21.26	0.134	< 2
		2680.0	H	8.68	11.14	19.82	0.096	< 2
			V	9.97	11.13	21.10	0.129	< 2

4 Frequency Stability Test

4.1. Limit

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

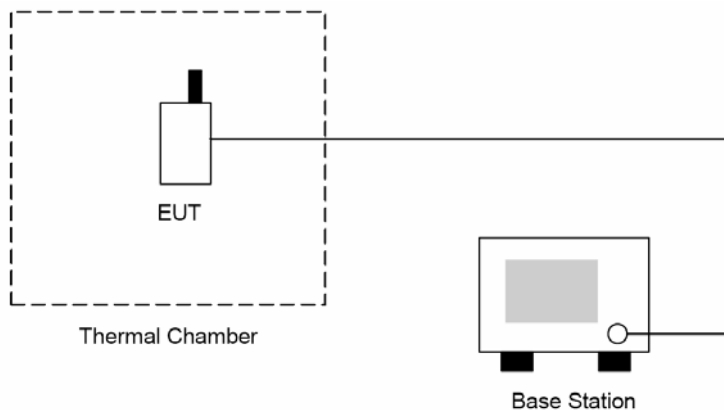
4.2. Test Instruments

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

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

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

4.3. Setup



4.4. Test Procedure

The measurement is made according to FCC rules:

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

4.5. Uncertainty

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

4.6. Test Result

Model Number	AC779S-100		
Test Item	Frequency Stability		
Date of Test	02/11/2015	Test Site	TE05

LTE Band 2 _ QPSK						
Voltage						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	1880.0	4.35	20	-12.61	-0.007	± 2.5
		3.80	20	-6.63	-0.004	± 2.5
		3.50	20	1.71	0.001	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	1880.0	3.80	-30	-2.68	-0.001	± 2.5
		3.80	-20	-1.82	-0.001	± 2.5
		3.80	-10	-13.53	-0.007	± 2.5
		3.80	0	-1.52	-0.001	± 2.5
		3.80	10	-11.4	-0.006	± 2.5
		3.80	20	4.32	0.002	± 2.5
		3.80	30	3.03	0.002	± 2.5
		3.80	40	-0.48	0.000	± 2.5
		3.80	50	0.15	0.000	± 2.5

LTE Band 4 _ QPSK						
Voltage						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	1732.5	4.35	20	-3.45	-0.002	± 2.5
		3.80	20	-8.93	-0.005	± 2.5
		3.50	20	-10.97	-0.006	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	1732.5	3.80	-30	-8.48	-0.005	± 2.5
		3.80	-20	-5.87	-0.003	± 2.5
		3.80	-10	-6.94	-0.004	± 2.5
		3.80	0	-11.2	-0.006	± 2.5
		3.80	10	-6.06	-0.003	± 2.5
		3.80	20	-0.05	0.000	± 2.5
		3.80	30	2.86	0.002	± 2.5
		3.80	40	1.22	0.001	± 2.5
		3.80	50	-5.31	-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	-8.79	-0.011	± 2.5
		3.80	20	-4.53	-0.005	± 2.5
		3.50	20	-3.39	-0.004	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
10 MHz	836.5	3.80	-30	-0.19	0.000	± 2.5
		3.80	-20	7.87	0.009	± 2.5
		3.80	-10	-4.01	-0.005	± 2.5
		3.80	0	0.90	0.001	± 2.5
		3.80	10	-5.83	-0.007	± 2.5
		3.80	20	-6.05	-0.007	± 2.5
		3.80	30	-6.14	-0.007	± 2.5
		3.80	40	-15.26	-0.018	± 2.5
		3.80	50	-3.16	-0.004	± 2.5

LTE Band 12 _ QPSK						
Voltage						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
10 MHz	707.5	4.35	20	5.08	0.007	± 2.5
		3.80	20	-3.31	-0.005	± 2.5
		3.50	20	-10.02	-0.014	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
10 MHz	707.5	3.80	-30	-5.76	-0.008	± 2.5
		3.80	-20	9.75	0.014	± 2.5
		3.80	-10	-1.72	-0.002	± 2.5
		3.80	0	-7.52	-0.011	± 2.5
		3.80	10	-13.78	-0.019	± 2.5
		3.80	20	-5.26	-0.007	± 2.5
		3.80	30	5.79	0.008	± 2.5
		3.80	40	0.82	0.001	± 2.5
		3.80	50	-15.69	-0.022	± 2.5

LTE Band 25 _ QPSK						
Voltage						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	1882.5	4.35	20	1.75	0.001	± 2.5
		3.80	20	-4.33	-0.002	± 2.5
		3.50	20	1.59	0.001	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	1882.5	3.80	-30	-15.94	-0.008	± 2.5
		3.80	-20	-1.39	-0.001	± 2.5
		3.80	-10	1.03	0.001	± 2.5
		3.80	0	-4.63	-0.002	± 2.5
		3.80	10	-7.29	-0.004	± 2.5
		3.80	20	-10.59	-0.006	± 2.5
		3.80	30	-3.69	-0.002	± 2.5
		3.80	40	-16.77	-0.009	± 2.5
		3.80	50	3.49	0.002	± 2.5

LTE Band 26 _ QPSK						
Voltage						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
15 MHz	831.5	4.35	20	8.83	0.011	± 2.5
		3.80	20	-9.87	-0.012	± 2.5
		3.50	20	-1.88	-0.002	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
15 MHz	831.5	3.80	-30	-11.59	-0.014	± 2.5
		3.80	-20	1.02	0.001	± 2.5
		3.80	-10	-8.44	-0.010	± 2.5
		3.80	0	1.31	0.002	± 2.5
		3.80	10	-2.84	-0.003	± 2.5
		3.80	20	-0.38	0.000	± 2.5
		3.80	30	7.33	0.009	± 2.5
		3.80	40	-8.55	-0.010	± 2.5
		3.80	50	-2.05	-0.002	± 2.5

LTE Band 41 _ QPSK						
Voltage						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	2593.0	4.35	20	0.68	0.000	± 2.5
		3.80	20	1.84	0.001	± 2.5
		3.50	20	-0.34	0.000	± 2.5
Temperature						
Channel Bandwidth	Frequency (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)
20 MHz	2593.0	3.80	-30	-0.37	0.000	± 2.5
		3.80	-20	5.89	0.002	± 2.5
		3.80	-10	-1.95	-0.001	± 2.5
		3.80	0	-3.94	-0.002	± 2.5
		3.80	10	-2.68	-0.001	± 2.5
		3.80	20	-9.2	-0.004	± 2.5
		3.80	30	-11.17	-0.004	± 2.5
		3.80	40	-2.69	-0.001	± 2.5
		3.80	50	-2.24	-0.001	± 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.

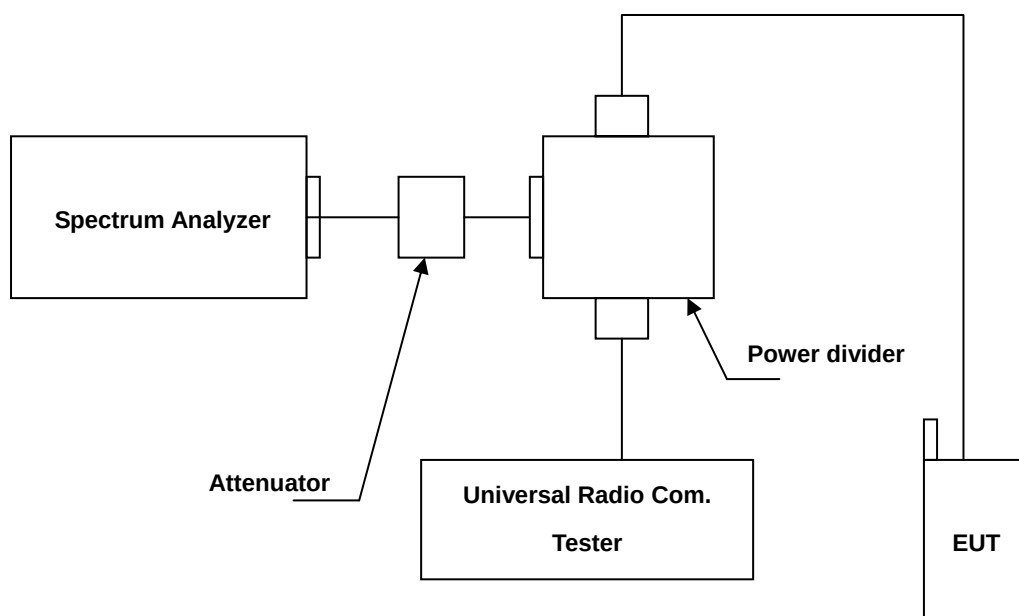
5.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/10/2014	(1)
Wideband Radio Communication Test	R & S	CMW500	103168	11/05/2014	(1)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

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

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

5.3. Setup



5.4. Test Procedure

The measurement is made according to FCC rules:

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

5.5. Uncertainty

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

5.6. Test Result

Model Number	AC779S-100		
Test Item	Emission Bandwidth & Occupied Bandwidth		
Date of Test	02/10/2015 ; 03/04/2015	Test Site	TE05

LTE Band 2				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	1850.7	1.235	1.0788
		1880.0	1.231	1.0826
		1909.3	1.244	1.0862
	3 MHz	1851.5	2.973	2.6849
		1880.0	2.974	2.6845
		1908.5	2.980	2.6863
	5 MHz	1852.5	4.824	4.4597
		1880.0	4.984	4.4638
		1907.5	4.943	4.4655
	10 MHz	1855.0	9.534	8.9240
		1880.0	9.472	8.9397
		1905.0	9.639	8.9299
	15 MHz	1857.5	14.310	13.3686
		1880.0	14.266	13.3756
		1902.5	14.214	13.3263
	20 MHz	1860.0	19.322	17.8744
		1880.0	19.103	17.8110
		1900.0	18.998	17.7873
16QAM	1.4 MHz	1850.7	1.250	1.0805
		1880.0	1.215	1.0831
		1909.3	1.256	1.0862
	3 MHz	1851.5	2.955	2.6839
		1880.0	2.957	2.6757
		1908.5	2.988	2.6874
	5 MHz	1852.5	4.829	4.4632
		1880.0	4.979	4.4650
		1907.5	4.927	4.4730
	10 MHz	1855.0	9.534	8.9061
		1880.0	9.544	8.9335
		1905.0	9.639	8.9159
	15 MHz	1857.5	14.306	13.3543
		1880.0	14.481	13.3745
		1902.5	14.130	13.3130
	20 MHz	1860.0	19.341	17.8760
		1880.0	19.200	17.8059
		1900.0	18.945	17.7885

LTE Band 4				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	1710.7	1.259	1.0825
		1732.5	1.242	1.0847
		1754.3	1.234	1.0802
	3 MHz	1711.5	2.981	2.6877
		1732.5	2.972	2.6743
		1753.5	2.985	2.6887
	5 MHz	1712.5	4.961	4.4694
		1732.5	4.932	4.4710
		1752.5	4.860	4.4665
	10 MHz	1715.0	9.826	8.9580
		1732.5	9.620	8.9457
		1750.0	9.702	8.9575
	15 MHz	1717.5	14.422	13.3976
		1732.5	14.346	13.3753
		1747.5	14.612	13.4053
	20 MHz	1720.0	19.083	17.8559
		1732.5	19.191	17.8096
		1745.0	19.245	17.8802
16QAM	1.4 MHz	1710.7	1.246	1.0824
		1732.5	1.242	1.0851
		1754.3	1.232	1.0805
	3 MHz	1711.5	2.981	2.6894
		1732.5	2.982	2.982
		1753.5	2.975	2.6860
	5 MHz	1712.5	4.990	4.4736
		1732.5	4.925	4.4662
		1752.5	4.918	4.4685
	10 MHz	1715.0	9.828	8.9645
		1732.5	9.620	8.9377
		1750.0	9.608	8.9256
	15 MHz	1717.5	14.413	13.4009
		1732.5	14.363	13.3873
		1747.5	14.509	13.4304
	20 MHz	1720.0	18.905	17.8188
		1732.5	19.170	17.8236
		1745.0	19.216	17.8764

LTE Band 5				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	824.7	1.226	1.0835
		836.5	1.239	1.0851
		848.3	1.243	1.0797
	3 MHz	825.5	2.951	2.6871
		836.5	2.961	2.6924
		847.5	2.952	2.6813
	5 MHz	826.5	4.942	4.4571
		836.5	4.970	4.4581
		846.5	4.924	4.4486
	10 MHz	829.0	9.668	8.9389
		836.5	9.594	8.9537
		844.0	9.673	8.9091
16QAM	1.4 MHz	824.7	1.230	1.0839
		836.5	1.239	1.0861
		848.3	1.247	1.0800
	3 MHz	825.5	2.950	2.6883
		836.5	2.980	2.6923
		847.5	2.937	2.6829
	5 MHz	826.5	4.863	4.4564
		836.5	4.999	4.4615
		846.5	4.797	4.4464
	10 MHz	829.0	9.612	8.9417
		836.5	9.657	8.9480
		844.0	9.641	8.9077

LTE Band 12				
Modulation	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	699.7	1.253	1.0789
		707.5	1.227	1.0808
		715.3	1.233	1.0804
	3 MHz	700.5	2.973	2.6833
		707.5	3.002	2.6969
		714.5	2.964	2.6859
	5 MHz	701.5	4.855	4.4668
		707.5	4.929	4.4815
		713.5	4.857	4.4587
	10 MHz	704.0	9.758	8.9387
		707.5	9.605	8.9614
		711.0	9.632	8.9623
16QAM	1.4 MHz	699.7	1.253	1.0787
		707.5	1.237	1.0842
		715.3	1.238	1.0800
	3 MHz	700.5	2.974	2.6819
		707.5	2.989	2.6974
		714.5	2.962	2.6862
	5 MHz	701.5	4.878	4.4654
		707.5	4.991	4.4795
		713.5	4.852	4.4598
	10 MHz	704.0	9.623	8.9405
		707.5	9.674	8.9630
		711.0	9.642	8.9549

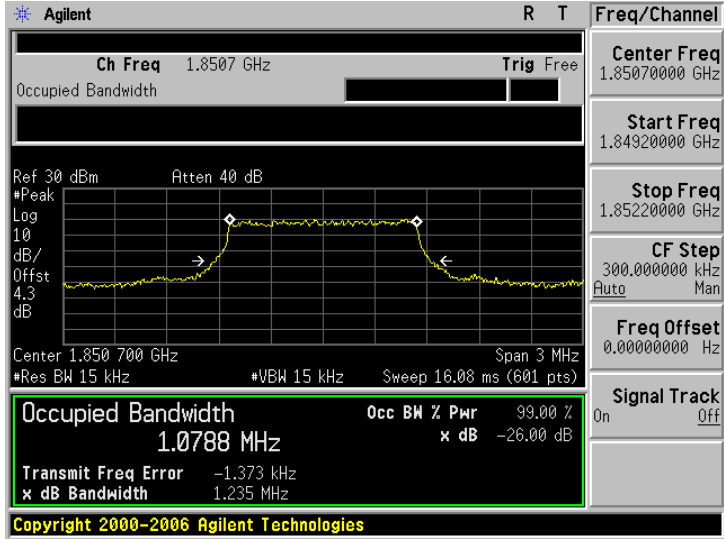
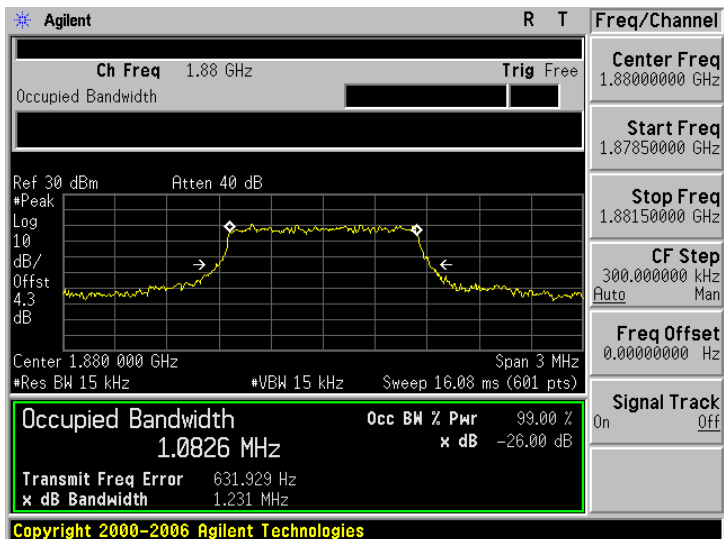
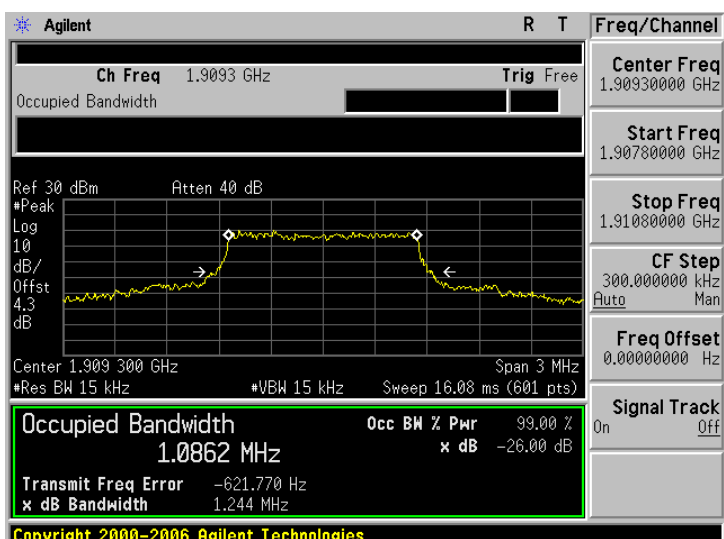
LTE Band 25				
Modulation	Channel Bandwidth	Frequency (MHz)	-26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	1850.7	1.262	1.0761
		1882.5	1.236	1.0858
		1914.3	1.232	1.0792
	3 MHz	1851.5	2.945	2.6777
		1882.5	2.967	2.6860
		1913.5	2.957	2.6836
	5 MHz	1852.5	4.895	4.4751
		1882.5	4.911	4.4548
		1912.5	4.846	4.4593
	10 MHz	1855.0	9.591	8.9321
		1882.5	9.651	8.9226
		1910.0	9.799	8.9871
	15 MHz	1857.5	14.409	13.3973
		1882.5	14.344	13.3450
		1907.5	14.549	13.4325
	20 MHz	1860.0	19.148	17.8485
		1882.5	18.974	17.8714
		1905.0	18.909	17.8711
16QAM	1.4 MHz	1850.7	1.262	1.0761
		1882.5	1.236	1.0851
		1914.3	1.231	1.0785
	3 MHz	1851.5	2.961	2.6828
		1882.5	2.961	2.6800
		1913.5	2.961	2.6840
	5 MHz	1852.5	4.880	4.4709
		1882.5	4.938	4.4551
		1912.5	4.821	4.4596
	10 MHz	1855.0	9.566	8.9151
		1882.5	9.643	8.9209
		1910.0	9.728	8.9860
	15 MHz	1857.5	14.254	13.3979
		1882.5	14.401	13.3465
		1907.5	14.446	13.4399
	20 MHz	1860.0	18.981	17.8530
		1882.5	19.128	17.8452
		1905.0	18.880	17.8233

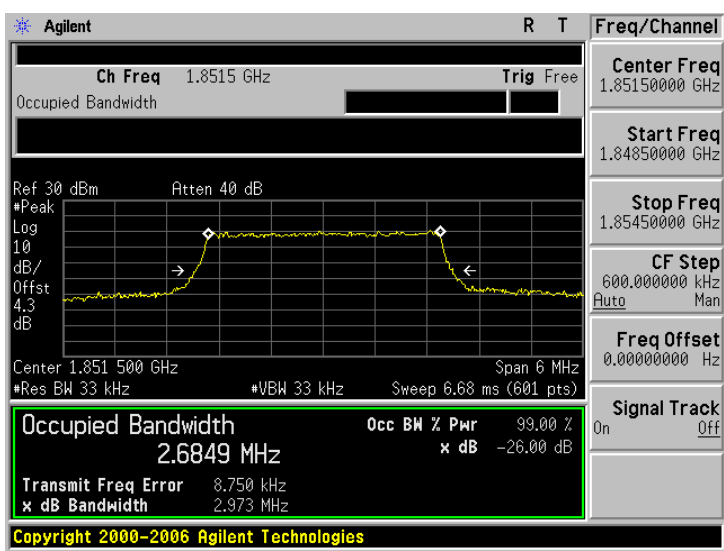
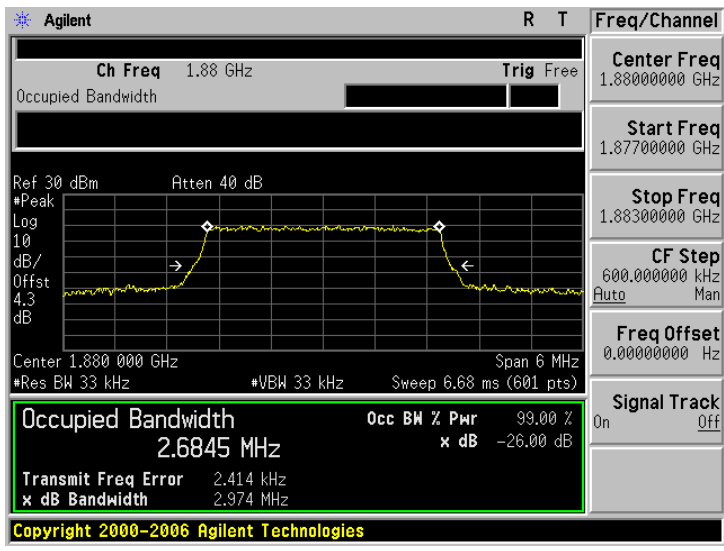
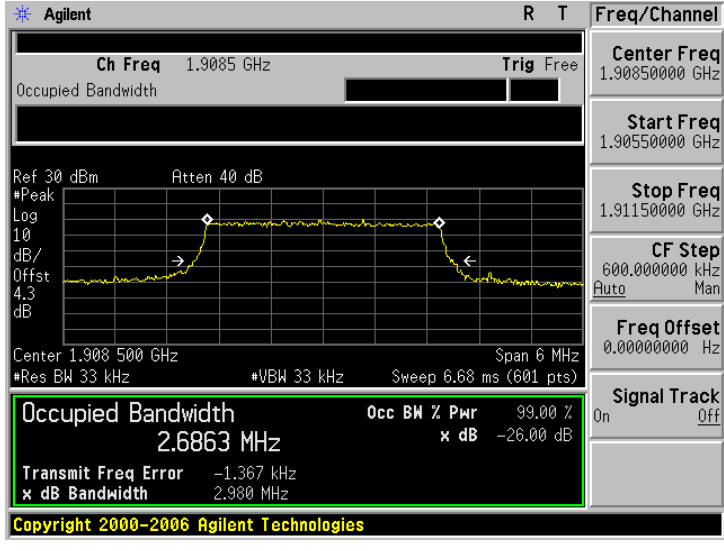
LTE Band 26_Part 90S				
Modulation	Channel Bandwidth	Frequency (MHz)	-26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	814.7	1.238	1.0795
		819.0	1.237	1.0803
		823.3	1.224	1.0787
	3 MHz	815.5	3.021	2.6888
		819.0	3.012	2.6842
		822.5	2.954	2.6827
	5 MHz	816.5	4.995	4.4781
		819.0	4.952	4.4814
		821.5	4.863	4.4603
	10 MHz	819.0	9.660	8.9501
16QAM	1.4 MHz	814.7	1.243	1.0694
		819.0	1.249	1.0800
		823.3	1.250	1.0818
	3 MHz	815.5	3.019	2.6870
		819.0	3.012	2.6859
		822.5	2.956	2.6847
	5 MHz	816.5	4.983	4.4783
		819.0	4.958	4.4799
		821.5	4.859	4.4675
	10 MHz	819.0	9.669	8.9527

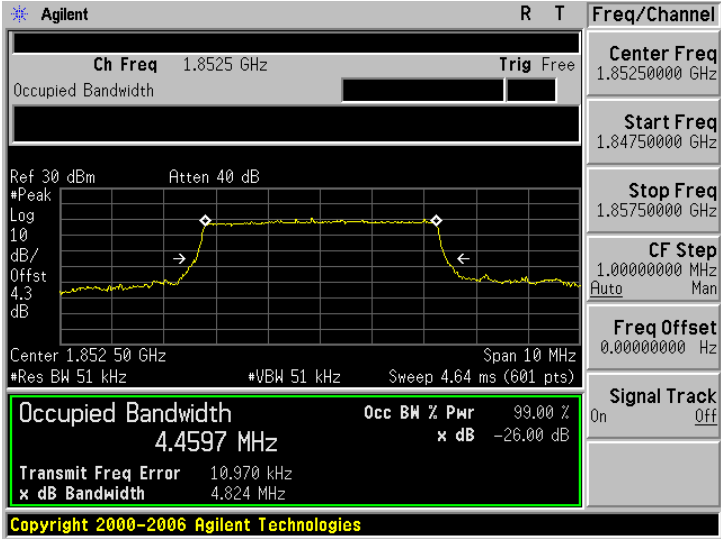
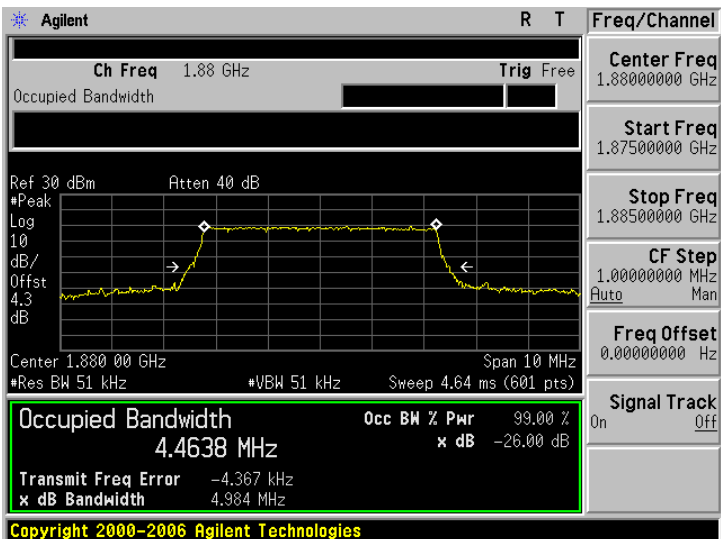
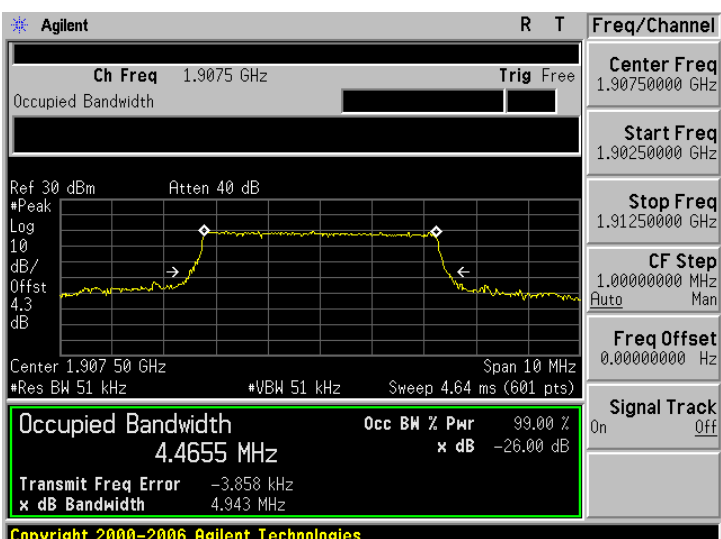
LTE Band 26_Part 22H				
Modulation	Channel Bandwidth	Frequency (MHz)	-26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	824.7	1.238	1.0795
		831.5	1.237	1.0803
		848.3	1.224	1.0787
	3 MHz	825.5	2.979	2.6825
		831.5	2.956	2.6915
		847.5	2.952	2.6846
	5 MHz	826.5	4.887	4.4657
		831.5	4.896	4.4642
		846.5	4.860	4.4624
	10 MHz	829.0	9.648	8.9488
		831.5	9.553	8.9611
		844.0	9.617	8.9196
16QAM	1.4 MHz	831.5	14.415	13.4132
		841.5	14.590	13.4250
	3 MHz	824.7	1.244	1.0797
		831.5	1.236	1.0832
		848.3	1.218	1.0784
	5 MHz	825.5	2.978	2.6843
		831.5	2.959	2.6978
		847.5	2.964	2.6819
	10 MHz	826.5	4.923	4.4685
		831.5	4.914	4.4654
		846.5	4.803	4.4506
	15 MHz	829.0	9.649	8.9444
		831.5	9.719	8.9615
		844.0	9.604	8.9236
	15 MHz	831.5	14.426	13.4375
		841.5	14.586	13.4356

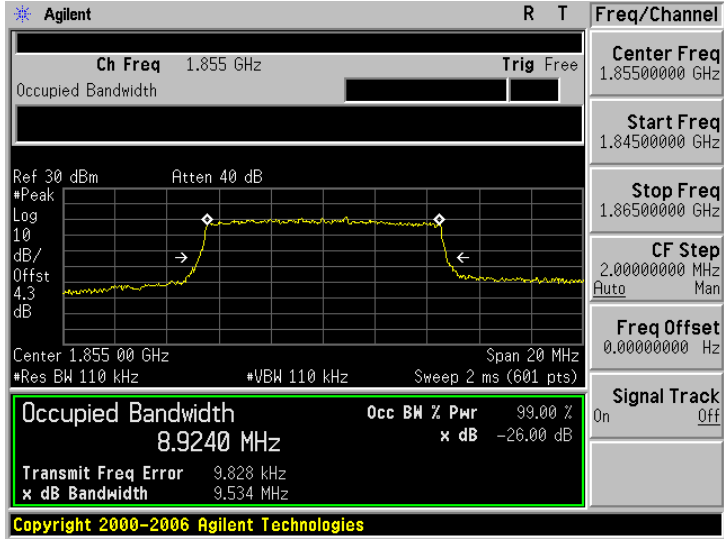
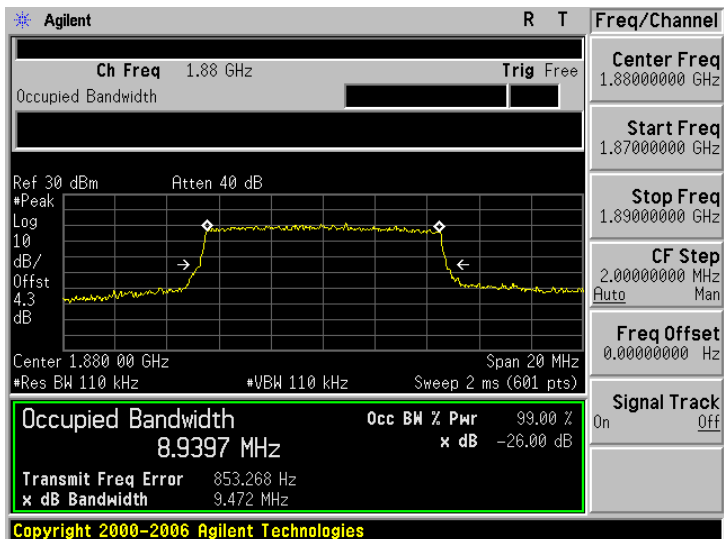
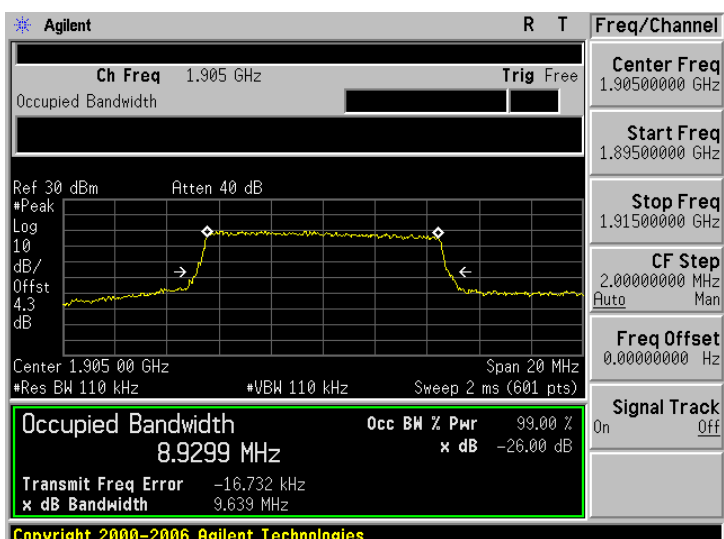
LTE Band 41				
Modulation	Channel Bandwidth	Frequency (MHz)	-26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	5 MHz	2498.5	4.924	4.4709
		2593.0	4.878	4.4655
		2687.5	4.914	4.4683
	10 MHz	2501.0	9.571	8.9176
		2593.0	9.563	8.9265
		2685.0	9.717	8.9374
	15 MHz	2503.0	14.758	13.3864
		2593.0	14.542	13.3886
		2682.5	14.466	13.3866
	20 MHz	2506.0	19.025	17.7882
		2593.0	18.783	17.8004
		2680.0	19.057	17.8244
16QAM	5 MHz	2498.5	4.924	4.4706
		2593.0	4.950	4.4658
		2687.5	4.931	4.4692
	10 MHz	2501.0	9.603	8.9139
		2593.0	9.563	8.9319
		2685.0	9.601	8.9301
	15 MHz	2503.0	14.758	13.3858
		2593.0	14.551	13.3857
		2682.5	14.691	13.4019
	20 MHz	2506.0	18.995	17.7782
		2593.0	18.922	17.7758
		2680.0	18.961	17.8304

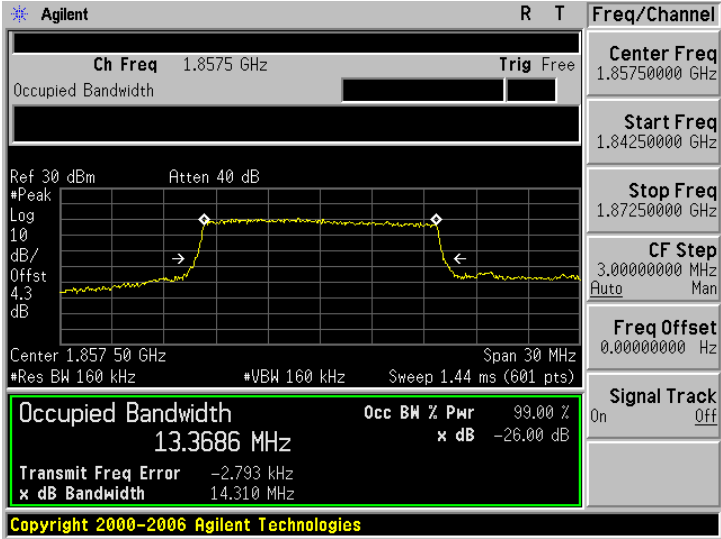
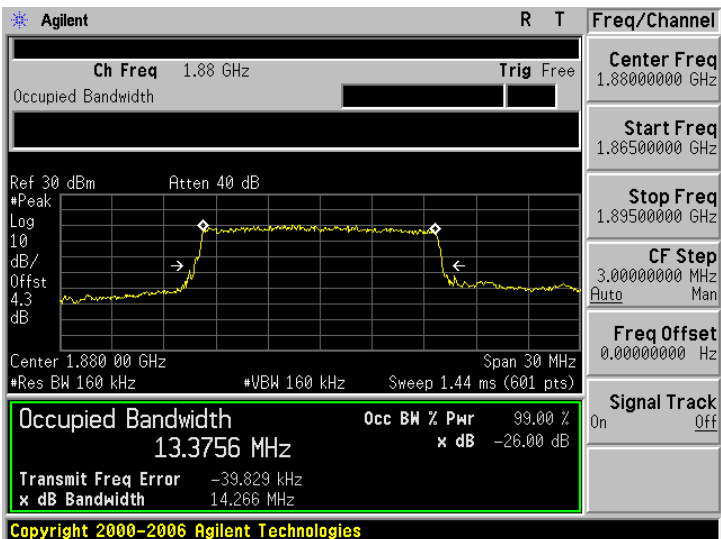
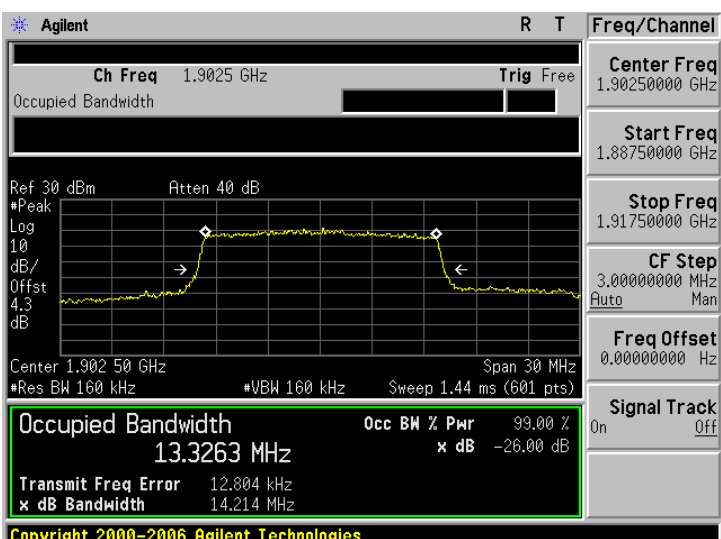
5.7. Test Graphs

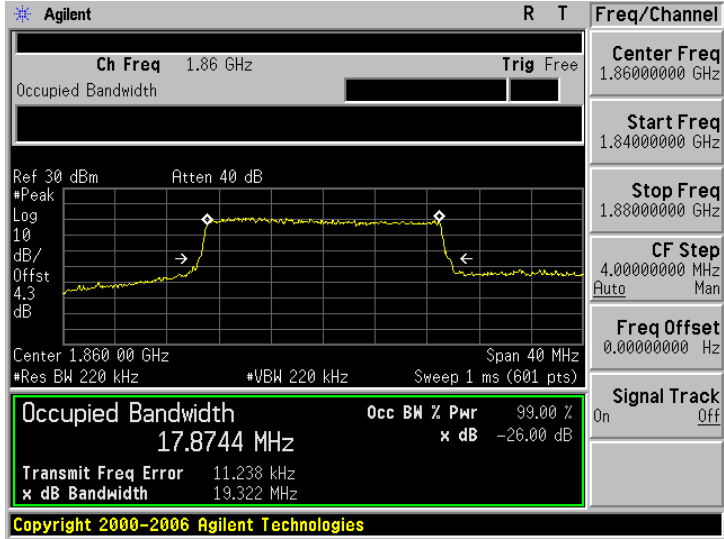
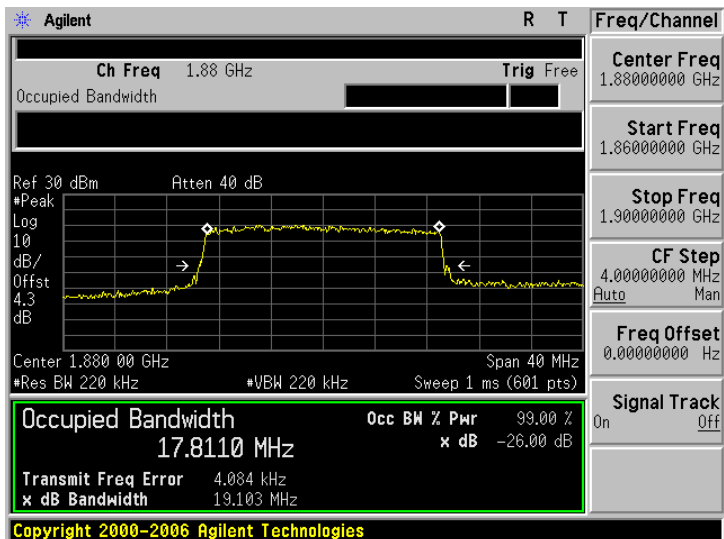
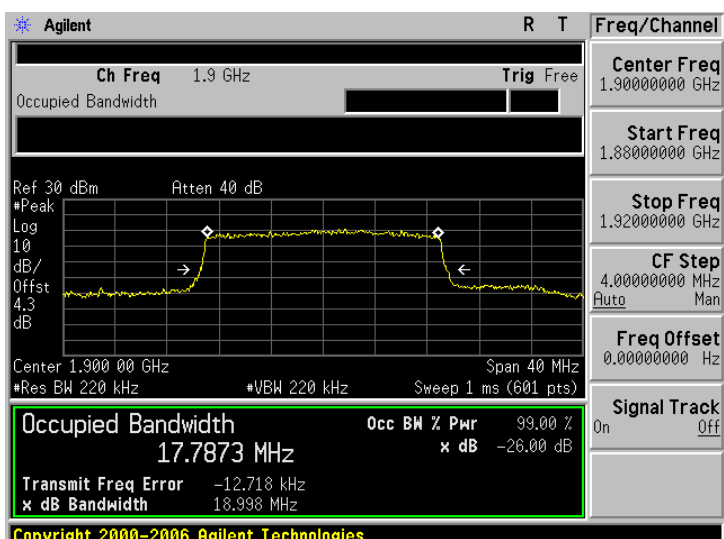
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1850.7 MHz	 Agilent R T Freq/Channel Ch Freq 1.8507 GHz Trig Free Center Freq 1.85070000 GHz Start Freq 1.84920000 GHz Stop Freq 1.85220000 GHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 10 dB/ Offst 4.3 dB Center 1.850 700 GHz 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 -1.373 kHz x dB Bandwidth 1.235 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 1.87850000 GHz Stop Freq 1.88150000 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 1.880 000 GHz Span 3 MHz *Res BW 15 kHz *VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0826 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 631.929 Hz x dB Bandwidth 1.231 MHz Copyright 2000-2006 Agilent Technologies
1909.3 MHz	 Agilent R T Freq/Channel Ch Freq 1.9093 GHz Trig Free Center Freq 1.90930000 GHz Start Freq 1.90780000 GHz Stop Freq 1.91080000 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 1.909 300 GHz Span 3 MHz *Res BW 15 kHz *VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0862 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -621.770 Hz x dB Bandwidth 1.244 MHz Copyright 2000-2006 Agilent Technologies

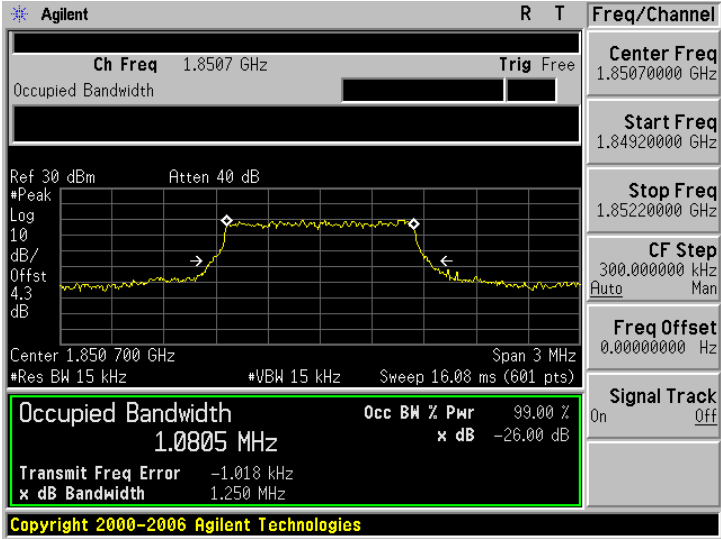
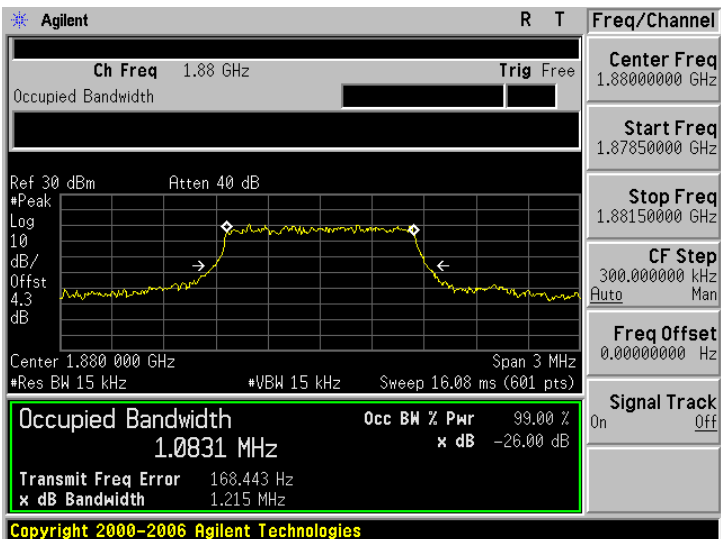
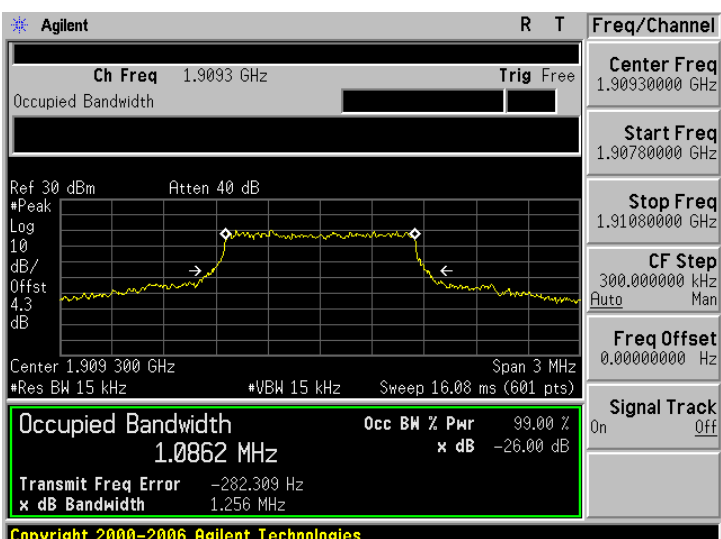
LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK	
1851.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8515 GHz Trig Free Center Freq 1.85150000 GHz Start Freq 1.84850000 GHz Stop Freq 1.85450000 GHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 10 dB/Offst 4.3 dB Center 1.851 500 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 8.750 kHz x dB Bandwidth 2.973 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 1.87700000 GHz Stop Freq 1.88300000 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 1.880 000 GHz Span 6 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6845 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.414 kHz x dB Bandwidth 2.974 MHz Copyright 2000-2006 Agilent Technologies
1908.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.9085 GHz Trig Free Center Freq 1.90850000 GHz Start Freq 1.90550000 GHz Stop Freq 1.91150000 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 1.908 500 GHz Span 6 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6863 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.367 kHz x dB Bandwidth 2.980 MHz Copyright 2000-2006 Agilent Technologies

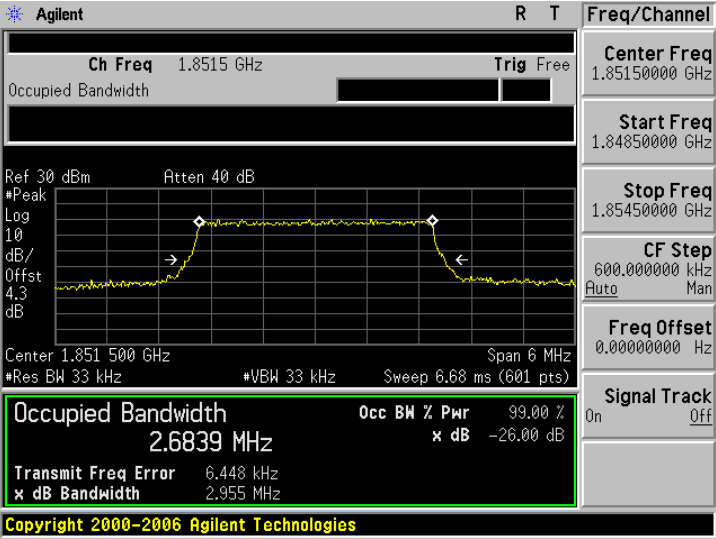
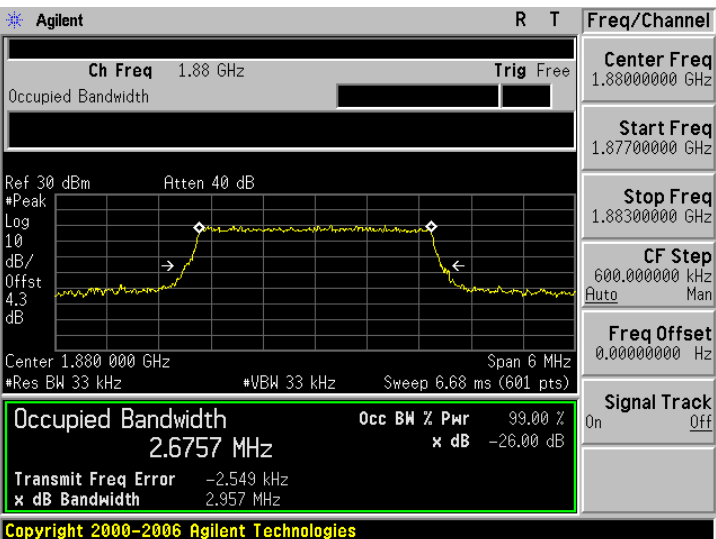
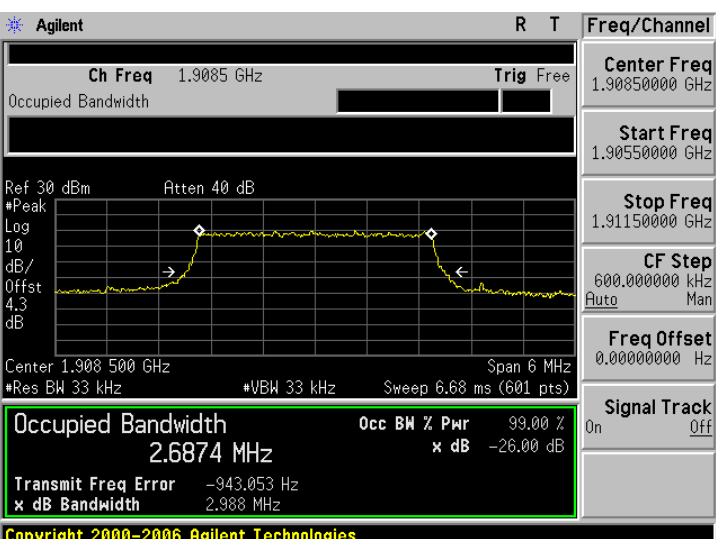
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK	
1852.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8525 GHz Trig Free Center Freq 1.85250000 GHz Start Freq 1.84750000 GHz Stop Freq 1.85750000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 10 dB/Offst 4.3 dB Center 1.852 50 GHz Span 10 MHz *Res BW 51 kHz *VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4597 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 10.970 kHz x dB Bandwidth 4.824 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 1.87500000 GHz Stop Freq 1.88500000 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 1.880 00 GHz Span 10 MHz *Res BW 51 kHz *VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4638 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -4.367 kHz x dB Bandwidth 4.984 MHz Copyright 2000-2006 Agilent Technologies
1907.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.9075 GHz Trig Free Center Freq 1.90750000 GHz Start Freq 1.90250000 GHz Stop Freq 1.91250000 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 1.907 50 GHz Span 10 MHz *Res BW 51 kHz *VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4655 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -3.858 kHz x dB Bandwidth 4.943 MHz Copyright 2000-2006 Agilent Technologies

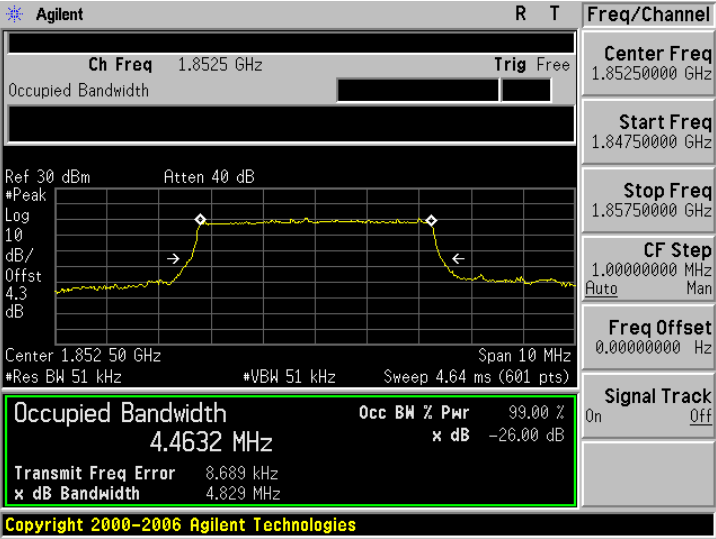
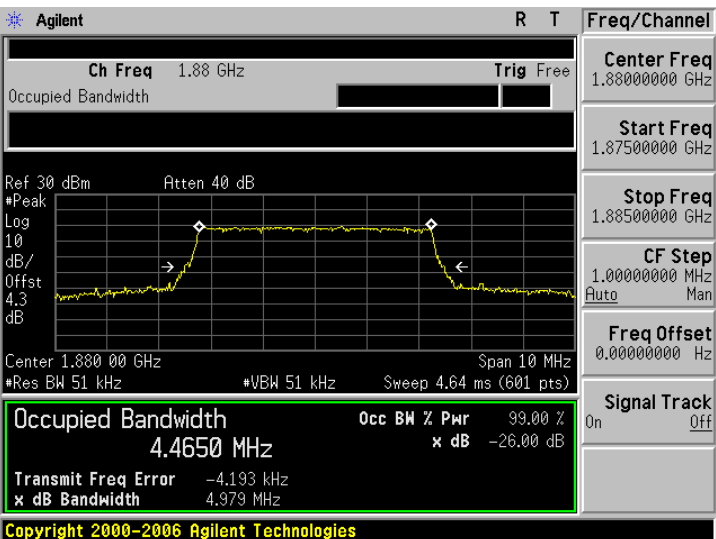
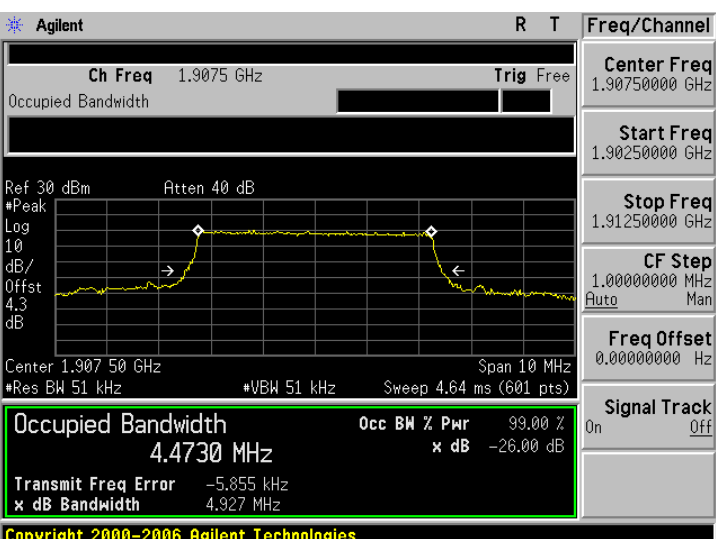
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK	
1855.0 MHz	 Copyright 2000-2006 Agilent Technologies
1880.0 MHz	 Copyright 2000-2006 Agilent Technologies
1905.0 MHz	 Copyright 2000-2006 Agilent Technologies

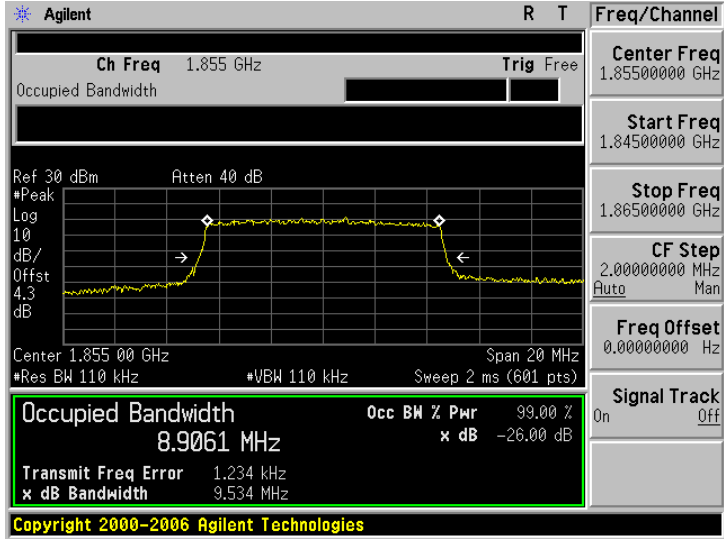
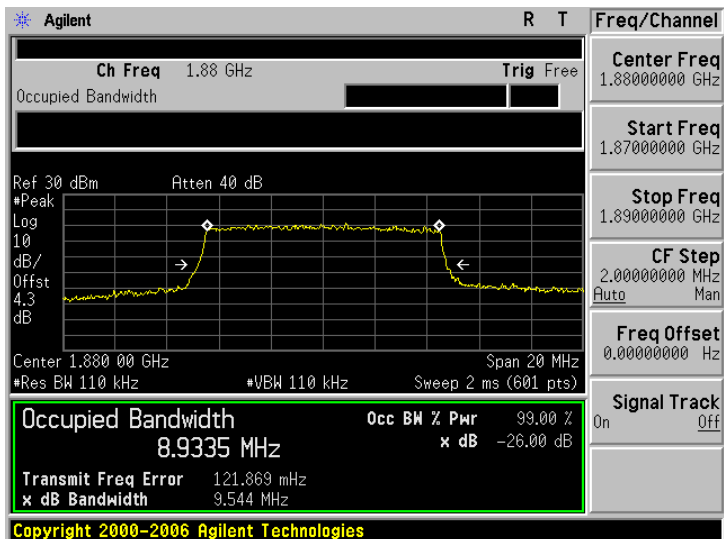
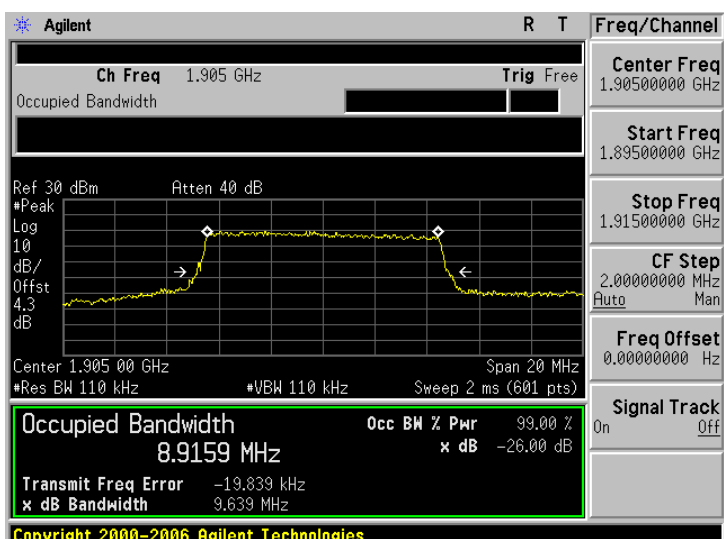
LTE Band 2 (Channel Bandwidth: 15 MHz) _ QPSK	
1857.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8575 GHz Trig Free Center Freq 1.85750000 GHz Start Freq 1.84250000 GHz Stop Freq 1.87250000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 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 13.3686 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -2.793 kHz x dB Bandwidth 14.310 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 Log 10 dB/Offst 4.3 dB Center 1.880 00 GHz Span 30 MHz *Res BW 160 kHz *VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.3756 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -39.829 kHz x dB Bandwidth 14.266 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 Log 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 13.3263 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 12.804 kHz x dB Bandwidth 14.214 MHz Copyright 2000-2006 Agilent Technologies

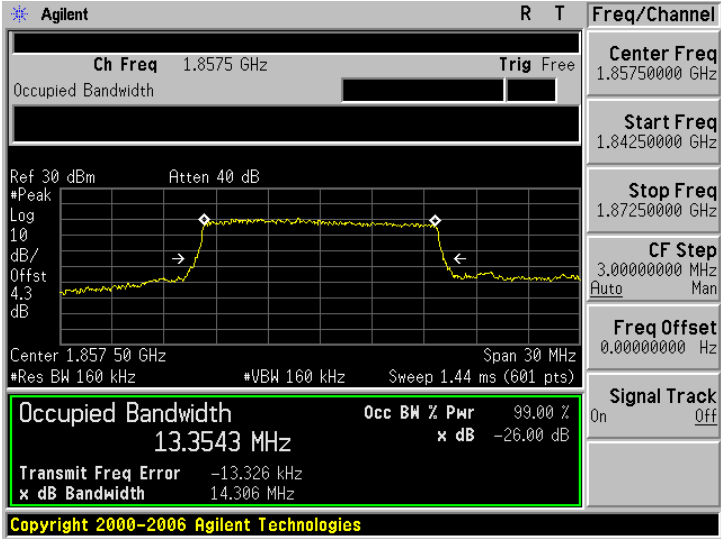
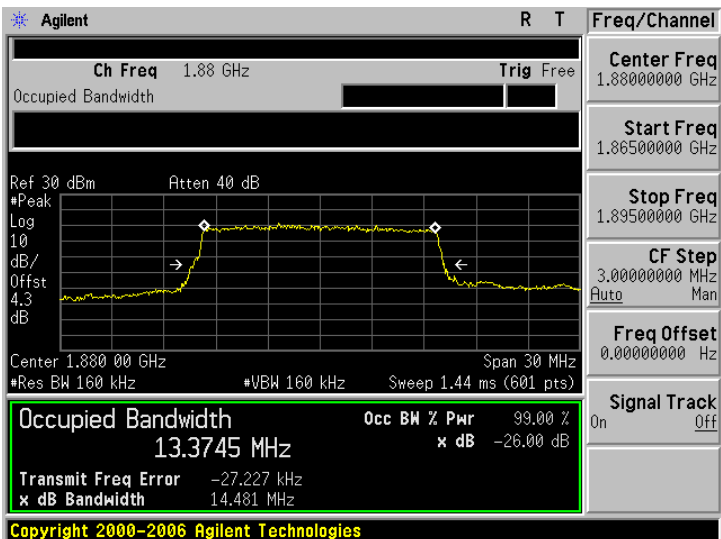
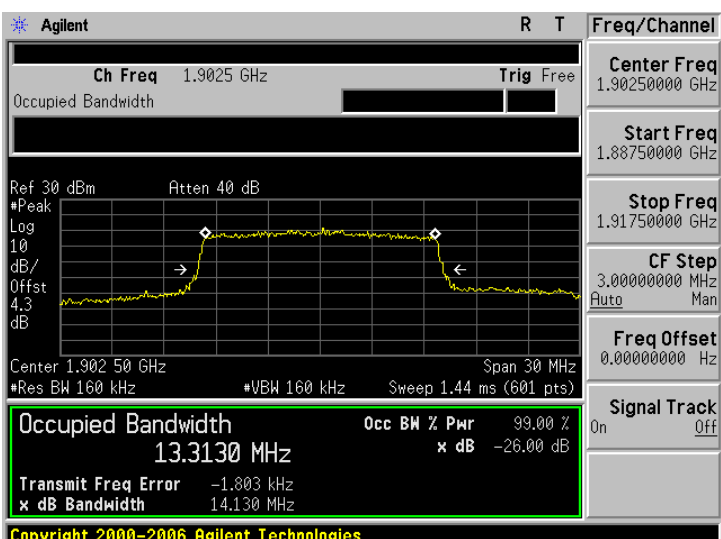
LTE Band 2 (Channel Bandwidth: 20 MHz) _ QPSK	
1860.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.86 GHz Trig Free Center Freq 1.86000000 GHz Start Freq 1.84000000 GHz Stop Freq 1.88000000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 10 dB/Offst 4.3 dB Center 1.860 00 GHz Span 40 MHz *Res BW 220 kHz *VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8744 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 11.238 kHz x dB Bandwidth 19.322 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 1.86000000 GHz Stop Freq 1.90000000 GHz CF Step 4.00000000 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 1.880 00 GHz Span 40 MHz *Res BW 220 kHz *VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8110 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 4.084 kHz x dB Bandwidth 19.103 MHz Copyright 2000-2006 Agilent Technologies
1900.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.9 GHz Trig Free Center Freq 1.90000000 GHz Start Freq 1.88000000 GHz Stop Freq 1.92000000 GHz CF Step 4.00000000 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 1.900 00 GHz Span 40 MHz *Res BW 220 kHz *VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.7873 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -12.718 kHz x dB Bandwidth 18.998 MHz Copyright 2000-2006 Agilent Technologies

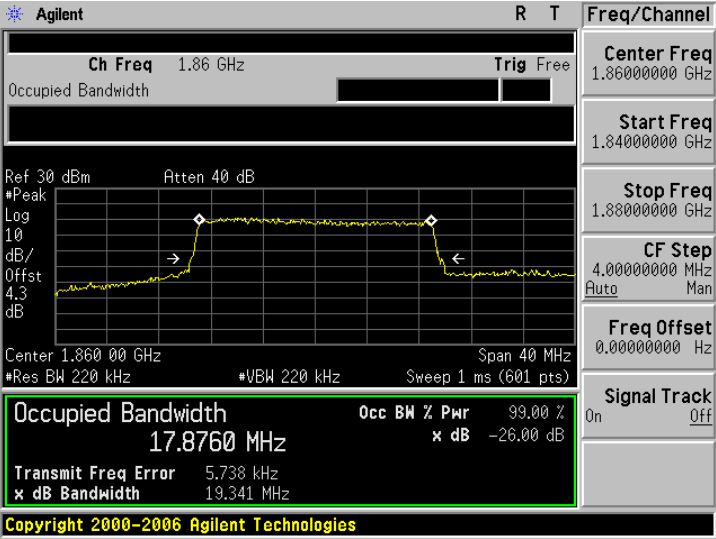
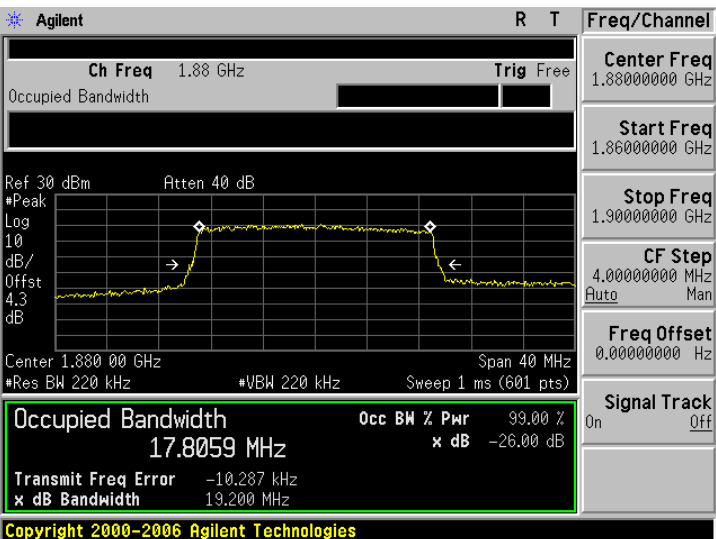
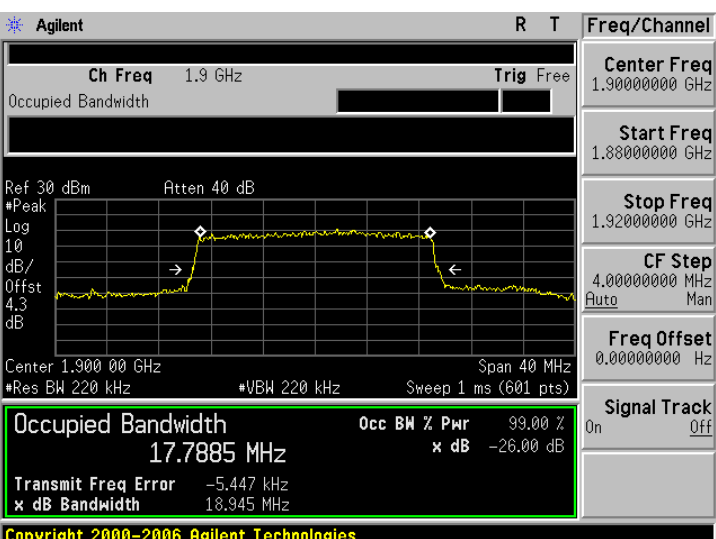
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1850.7 MHz	 Agilent R T Freq/Channel Ch Freq 1.8507 GHz Trig Free Center Freq 1.85070000 GHz Start Freq 1.84920000 GHz Stop Freq 1.85220000 GHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 10 dB/Offst 4.3 dB Center 1.850 700 GHz Span 3 MHz *Res BW 15 kHz *VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0805 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.018 kHz x dB Bandwidth 1.250 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 1.87850000 GHz Stop Freq 1.88150000 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 1.880 000 GHz Span 3 MHz *Res BW 15 kHz *VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0831 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 168.443 Hz x dB Bandwidth 1.215 MHz Copyright 2000-2006 Agilent Technologies
1909.3 MHz	 Agilent R T Freq/Channel Ch Freq 1.9093 GHz Trig Free Center Freq 1.90930000 GHz Start Freq 1.90780000 GHz Stop Freq 1.91080000 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 1.909 300 GHz Span 3 MHz *Res BW 15 kHz *VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0862 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -282.309 Hz x dB Bandwidth 1.256 MHz Copyright 2000-2006 Agilent Technologies

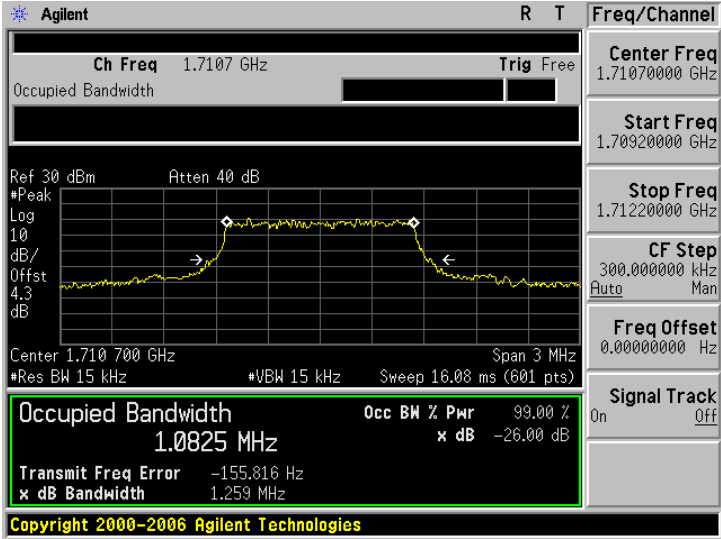
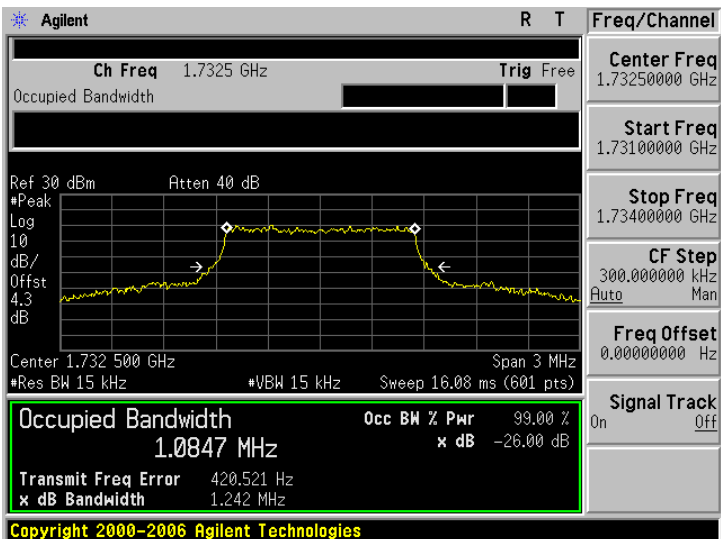
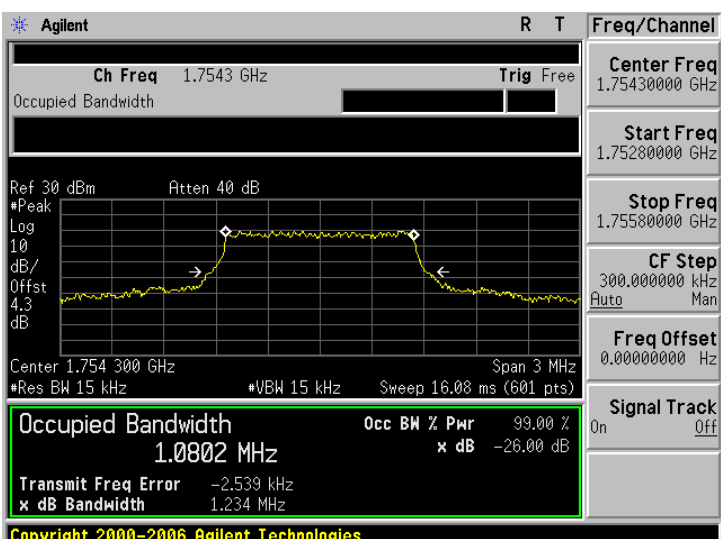
LTE Band 2 (Channel Bandwidth: 3 MHz) _ 16QAM	
1851.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8515 GHz Trig Free Center Freq 1.85150000 GHz Start Freq 1.84850000 GHz Stop Freq 1.85450000 GHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 10 dB/ Offst 4.3 dB Center 1.851 500 GHz Span 6 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6839 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 6.448 kHz x dB Bandwidth 2.955 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 1.87700000 GHz Stop Freq 1.88300000 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 1.880 000 GHz Span 6 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6757 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -2.549 kHz x dB Bandwidth 2.957 MHz Copyright 2000-2006 Agilent Technologies
1908.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.9085 GHz Trig Free Center Freq 1.90850000 GHz Start Freq 1.90550000 GHz Stop Freq 1.91150000 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 1.908 500 GHz Span 6 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6874 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -943.053 Hz x dB Bandwidth 2.988 MHz Copyright 2000-2006 Agilent Technologies

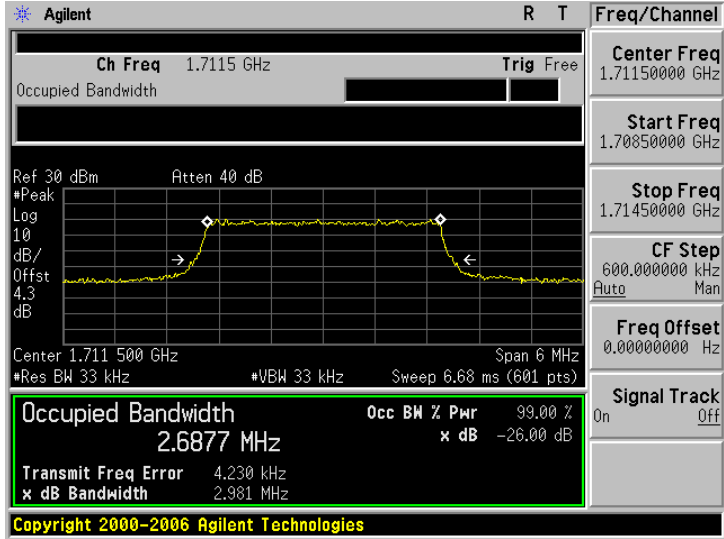
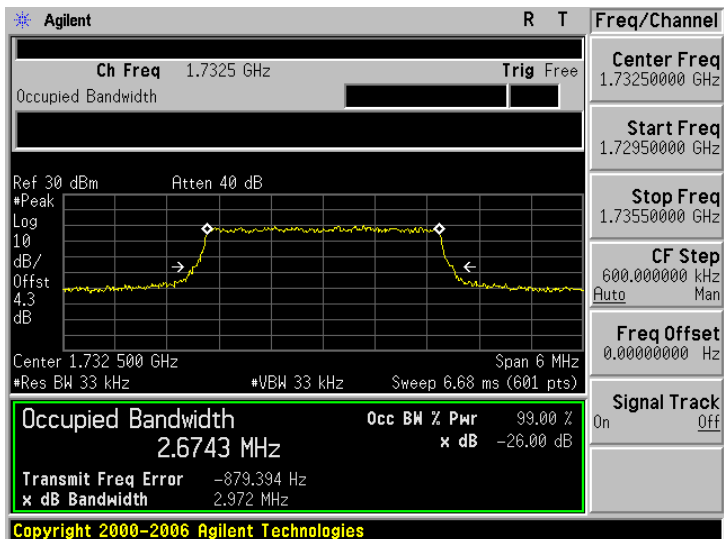
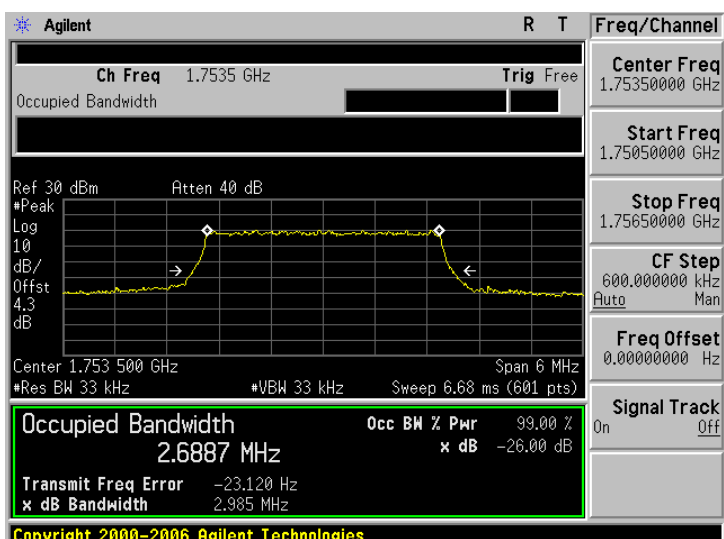
LTE Band 2 (Channel Bandwidth: 5 MHz) _ 16QAM	
1852.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8525 GHz Trig Free Center Freq 1.85250000 GHz Start Freq 1.84750000 GHz Stop Freq 1.85750000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 10 dB/Offst 4.3 dB Center 1.852 50 GHz Span 10 MHz *Res BW 51 kHz *VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4632 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 8.689 kHz x dB Bandwidth 4.829 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 1.87500000 GHz Stop Freq 1.88500000 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 1.880 00 GHz Span 10 MHz *Res BW 51 kHz *VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4650 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -4.193 kHz x dB Bandwidth 4.979 MHz Copyright 2000-2006 Agilent Technologies
1907.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.9075 GHz Trig Free Center Freq 1.90750000 GHz Start Freq 1.90250000 GHz Stop Freq 1.91250000 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 1.907 50 GHz Span 10 MHz *Res BW 51 kHz *VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4730 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -5.855 kHz x dB Bandwidth 4.927 MHz Copyright 2000-2006 Agilent Technologies

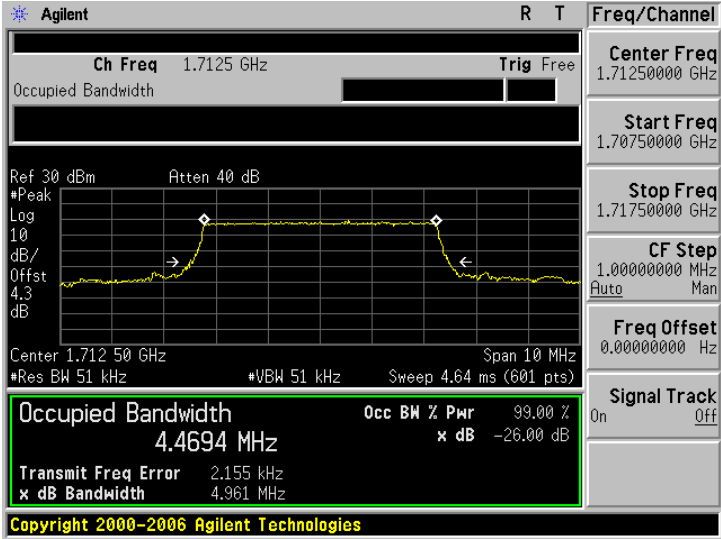
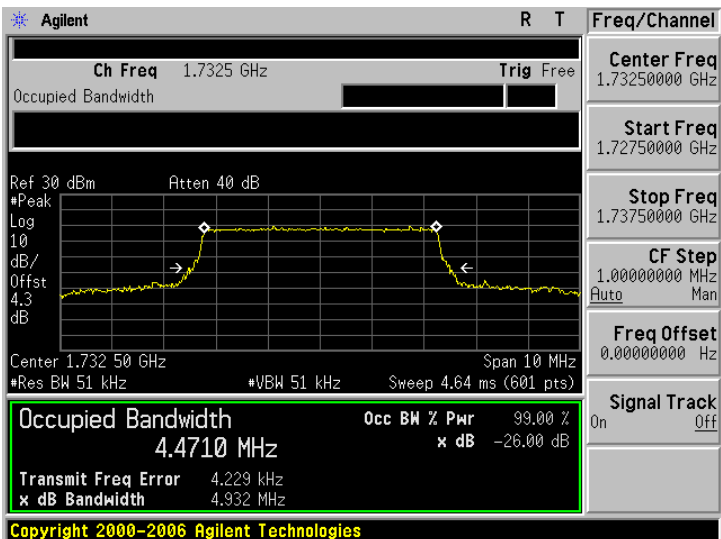
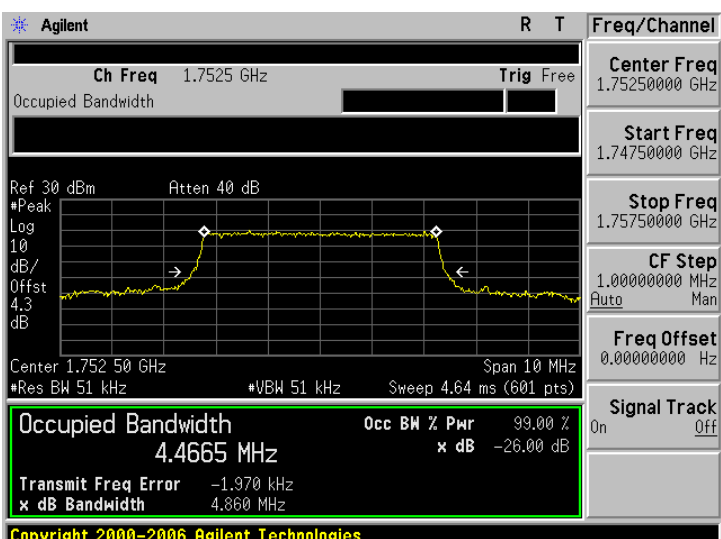
LTE Band 2 (Channel Bandwidth: 10 MHz) _ 16QAM	
1855.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.855 GHz Trig Free Center Freq 1.85500000 GHz Start Freq 1.84500000 GHz Stop Freq 1.86500000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 10 dB/Offst 4.3 dB Center 1.855 00 GHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9061 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.234 kHz x dB Bandwidth 9.534 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 1.87000000 GHz Stop Freq 1.89000000 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 1.880 00 GHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9335 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 121.869 mHz x dB Bandwidth 9.544 MHz Copyright 2000-2006 Agilent Technologies
1905.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.905 GHz Trig Free Center Freq 1.90500000 GHz Start Freq 1.89500000 GHz Stop Freq 1.91500000 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 1.905 00 GHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9159 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -19.839 kHz x dB Bandwidth 9.639 MHz Copyright 2000-2006 Agilent Technologies

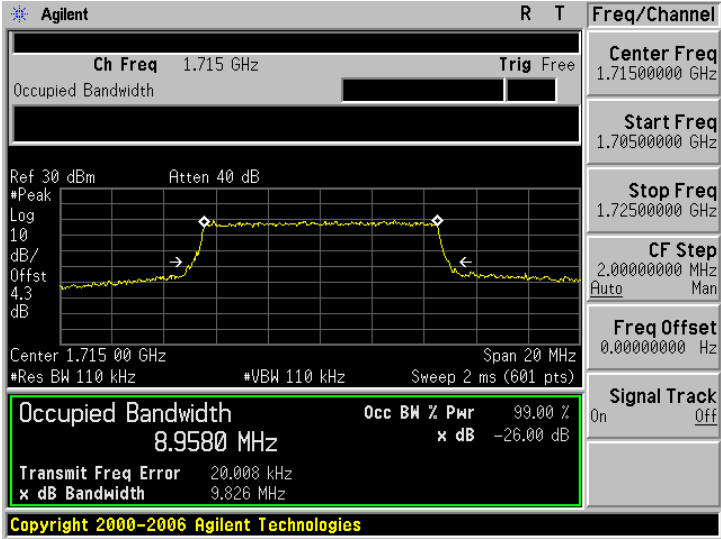
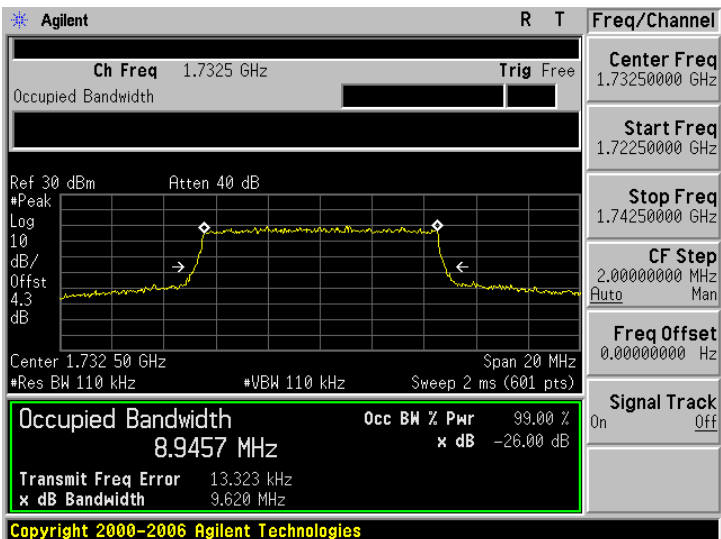
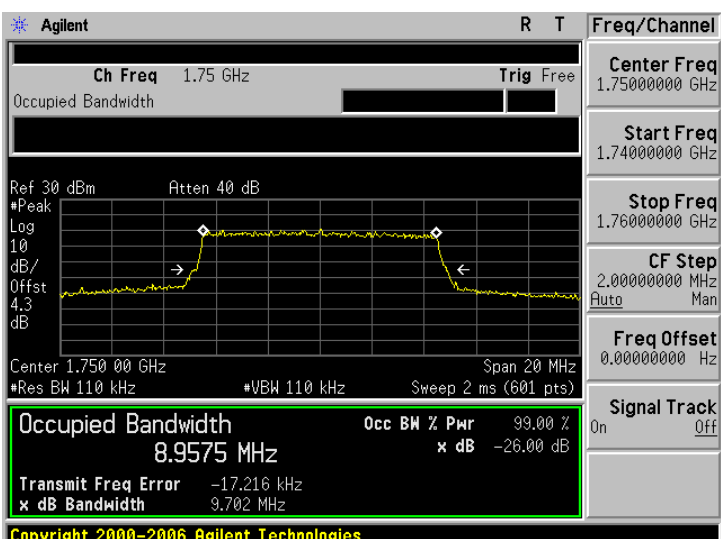
LTE Band 2 (Channel Bandwidth: 15 MHz) _ 16QAM	
1857.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8575 GHz Trig Free Center Freq 1.85750000 GHz Start Freq 1.84250000 GHz Stop Freq 1.87250000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 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 13.3543 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -13.326 kHz x dB Bandwidth 14.306 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 Log 10 dB/Offst 4.3 dB Center 1.880 00 GHz Span 30 MHz *Res BW 160 kHz *VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.3745 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -27.227 kHz x dB Bandwidth 14.481 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 Log 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 13.3130 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.803 kHz x dB Bandwidth 14.130 MHz Copyright 2000-2006 Agilent Technologies

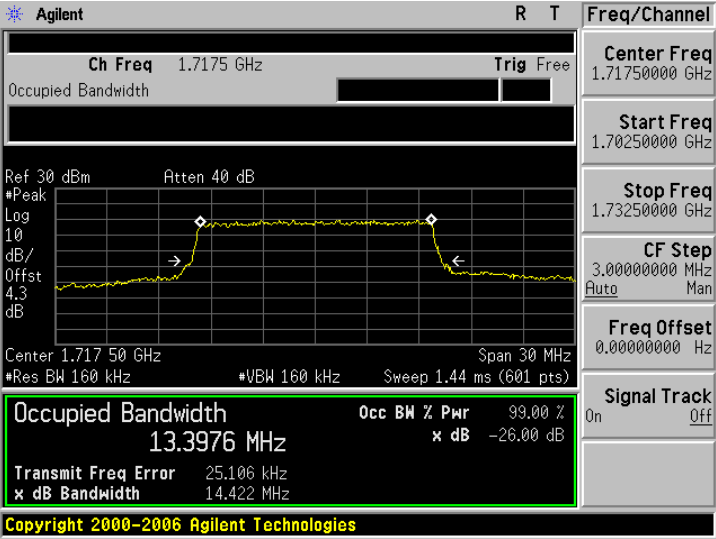
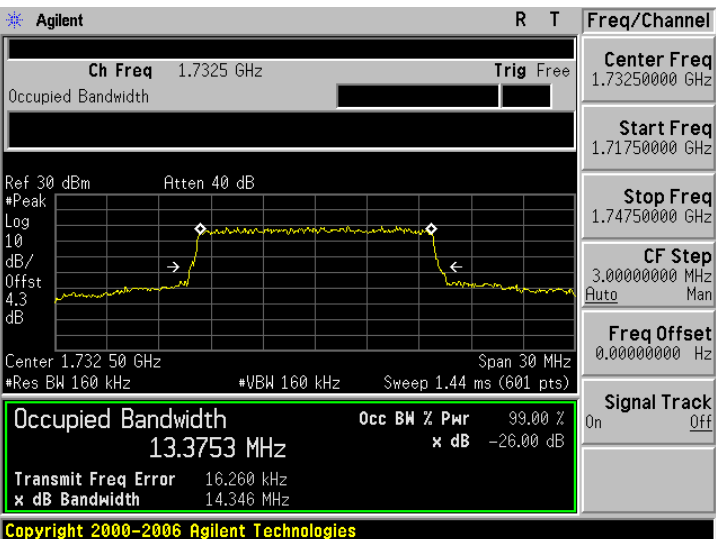
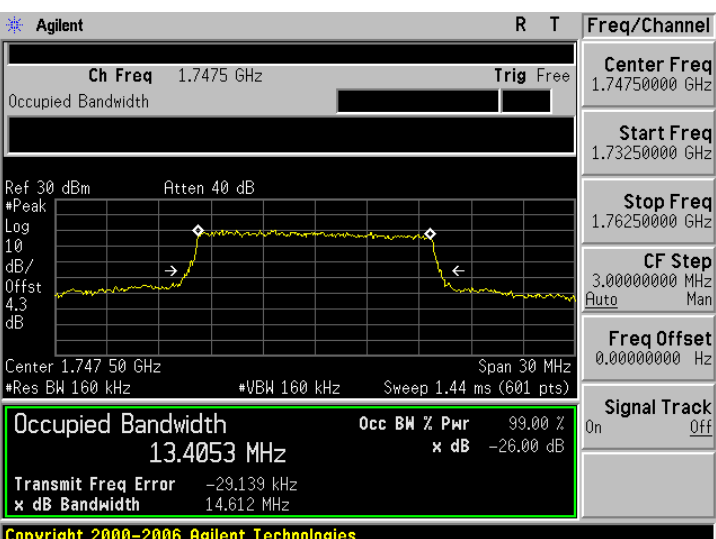
LTE Band 2 (Channel Bandwidth: 20 MHz) _ 16QAM	
1860.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.86 GHz Trig Free Center Freq 1.86000000 GHz Start Freq 1.84000000 GHz Stop Freq 1.88000000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 10 dB/Offst 4.3 dB Center 1.860 00 GHz Span 40 MHz *Res BW 220 kHz *VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8760 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 5.738 kHz x dB Bandwidth 19.341 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 1.86000000 GHz Stop Freq 1.90000000 GHz CF Step 4.00000000 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 1.880 00 GHz Span 40 MHz *Res BW 220 kHz *VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8059 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -10.287 kHz x dB Bandwidth 19.200 MHz Copyright 2000-2006 Agilent Technologies
1900.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.9 GHz Trig Free Center Freq 1.90000000 GHz Start Freq 1.88000000 GHz Stop Freq 1.92000000 GHz CF Step 4.00000000 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 1.900 00 GHz Span 40 MHz *Res BW 220 kHz *VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.7885 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -5.447 kHz x dB Bandwidth 18.945 MHz Copyright 2000-2006 Agilent Technologies

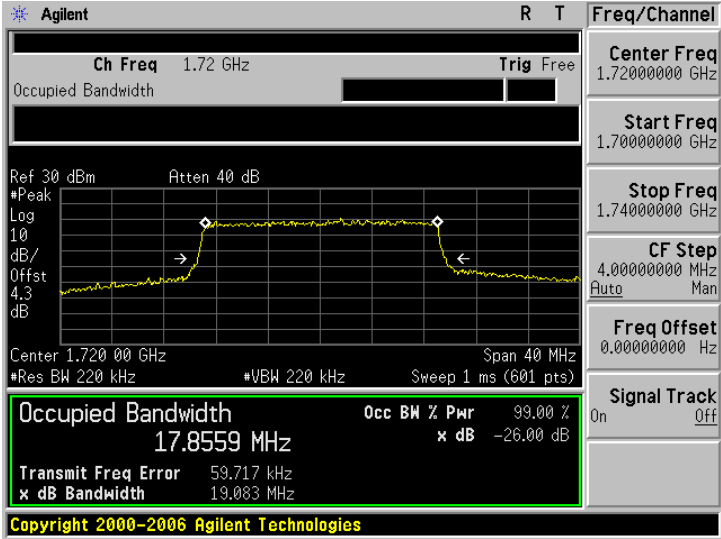
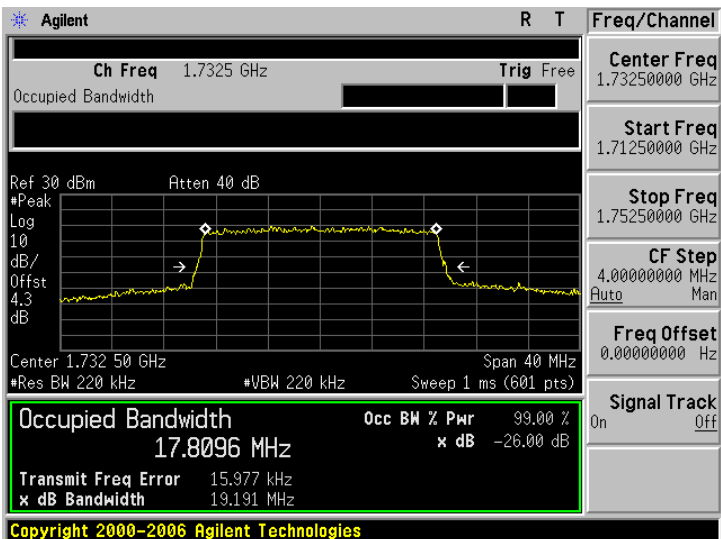
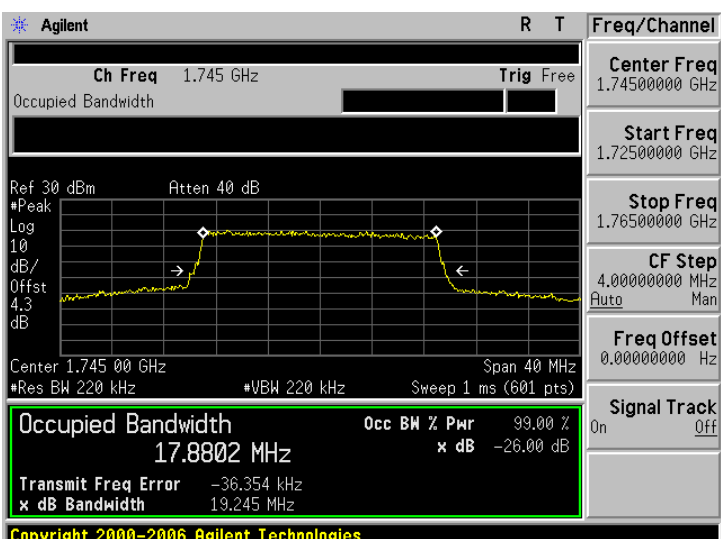
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1710.7 MHz	 Agilent R T Freq/Channel Ch Freq 1.7107 GHz Trig Free Center Freq 1.71070000 GHz Start Freq 1.70920000 GHz Stop Freq 1.71220000 GHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 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 1.0825 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -155.816 Hz x dB Bandwidth 1.259 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 1.0847 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 420.521 Hz x dB Bandwidth 1.242 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 1.0802 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -2.539 kHz x dB Bandwidth 1.234 MHz Copyright 2000-2006 Agilent Technologies

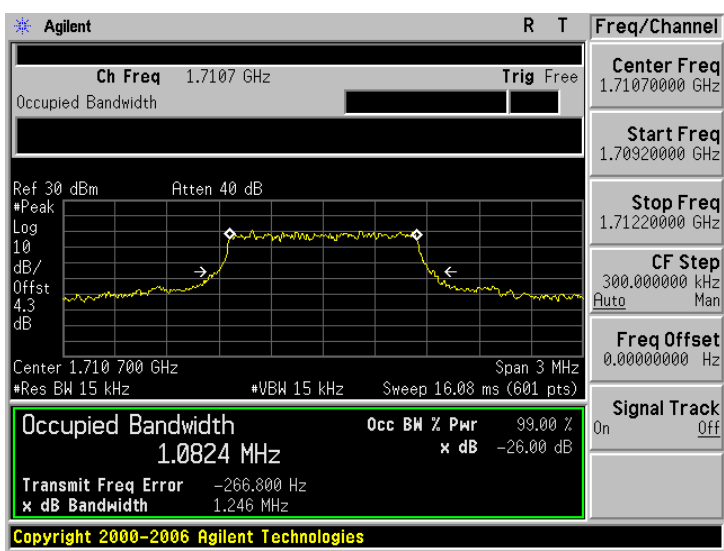
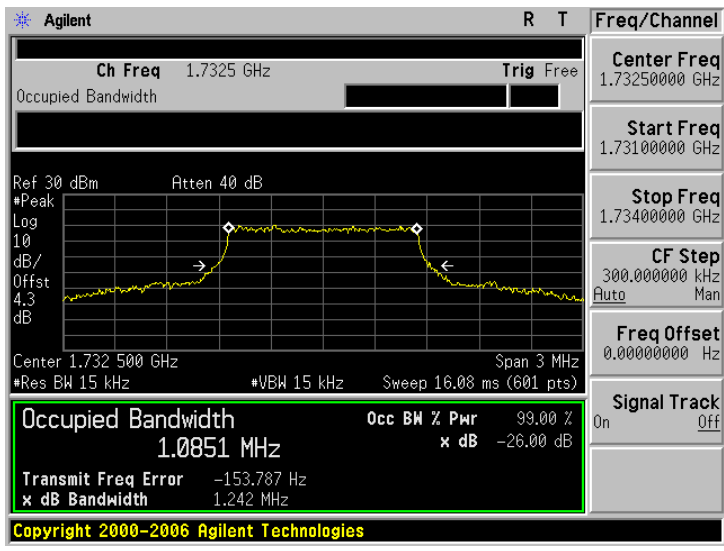
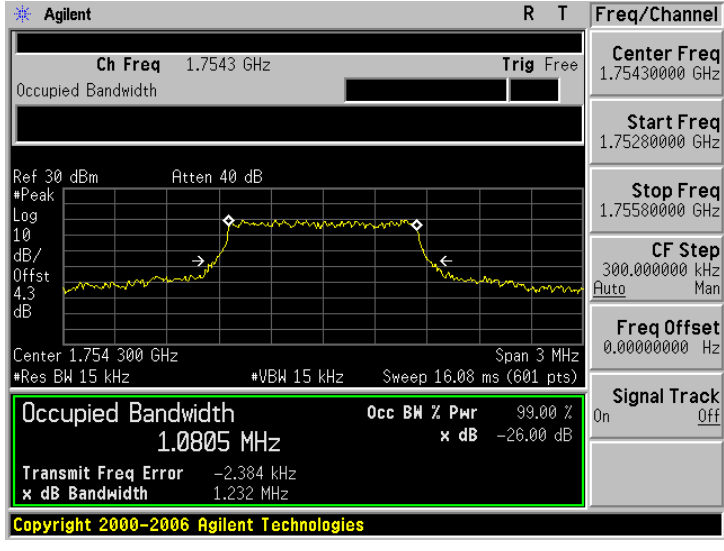
LTE Band 4 (Channel Bandwidth: 3 MHz) _ QPSK	
1711.5 MHz	 Copyright 2000-2006 Agilent Technologies
1732.5 MHz	 Copyright 2000-2006 Agilent Technologies
1753.5 MHz	 Copyright 2000-2006 Agilent Technologies

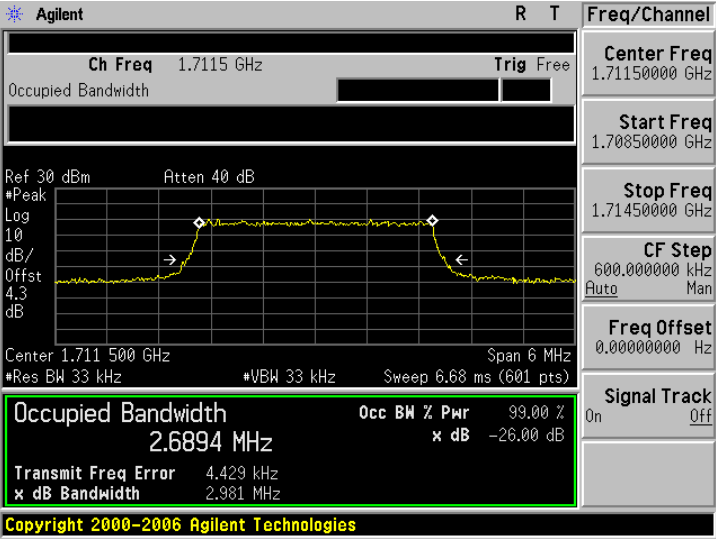
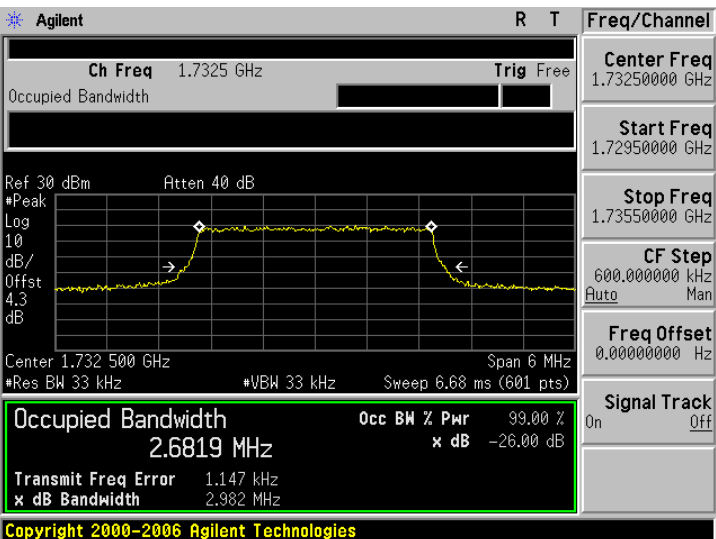
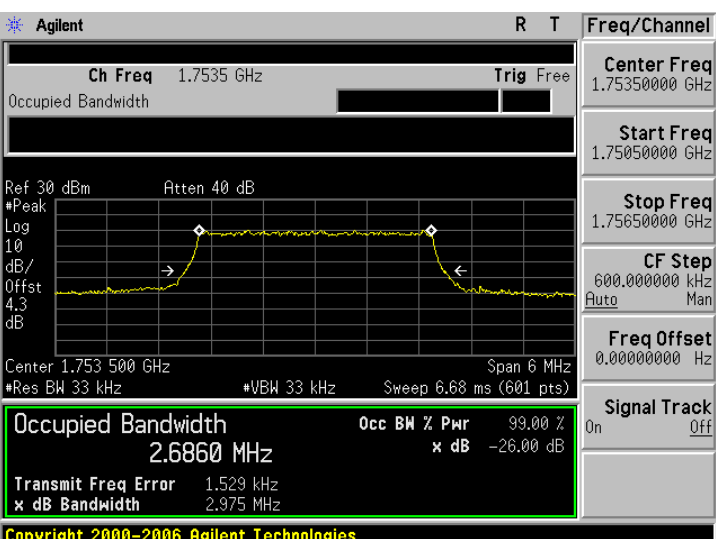
LTE Band 4 (Channel Bandwidth: 5 MHz) _ QPSK	
1712.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7125 GHz Trig Free Center Freq 1.71250000 GHz Start Freq 1.70750000 GHz Stop Freq 1.71750000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 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 4.4694 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.155 kHz x dB Bandwidth 4.961 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 4.4710 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 4.229 kHz x dB Bandwidth 4.932 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 4.4665 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.970 kHz x dB Bandwidth 4.860 MHz Copyright 2000-2006 Agilent Technologies

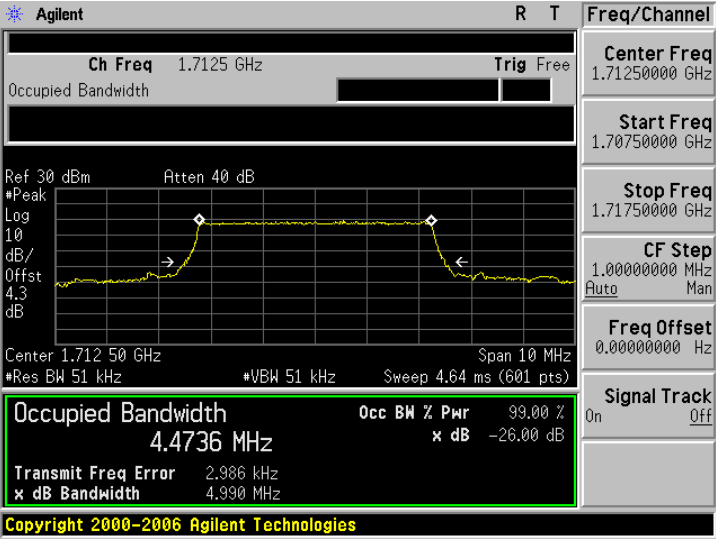
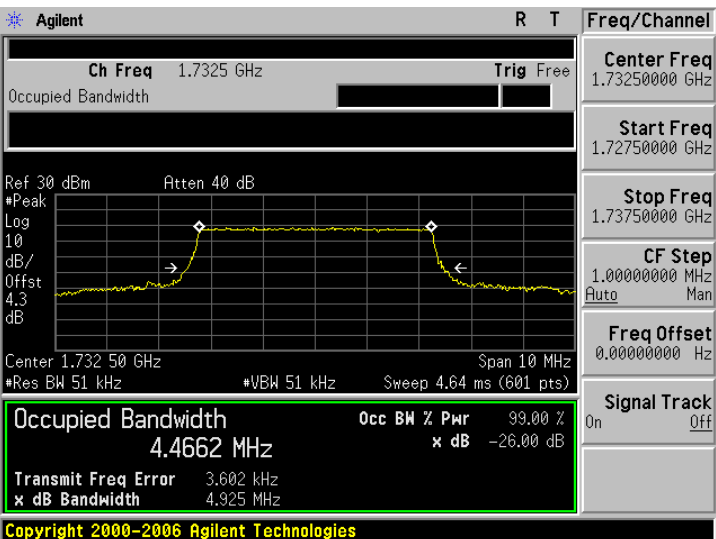
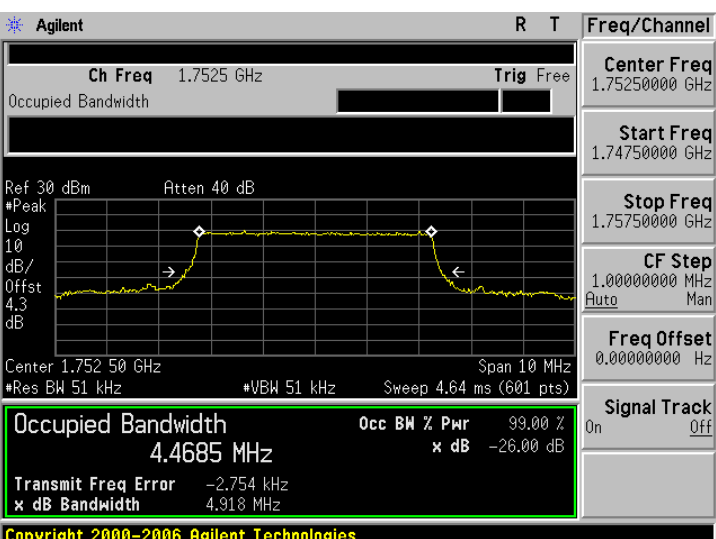
LTE Band 4 (Channel Bandwidth: 10 MHz) _ QPSK	
1715.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.715 GHz Trig Free Center Freq 1.71500000 GHz Start Freq 1.70500000 GHz Stop Freq 1.72500000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 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 8.9580 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 20.008 kHz x dB Bandwidth 9.826 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 Log 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 8.9457 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 13.323 kHz x dB Bandwidth 9.620 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 Log 10 dB/Offst 4.3 dB Center 1.750 00 GHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9575 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -17.216 kHz x dB Bandwidth 9.702 MHz Copyright 2000-2006 Agilent Technologies

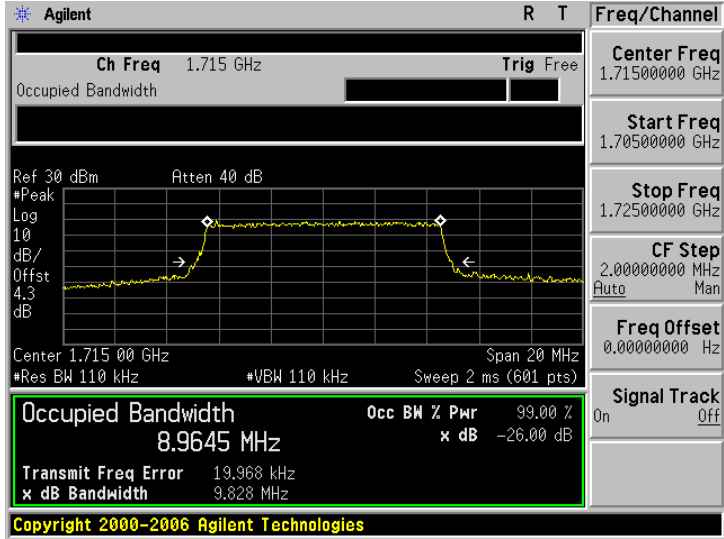
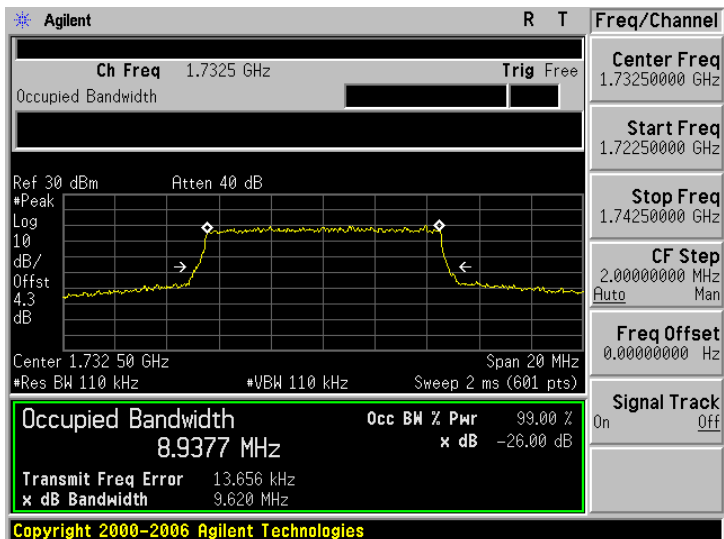
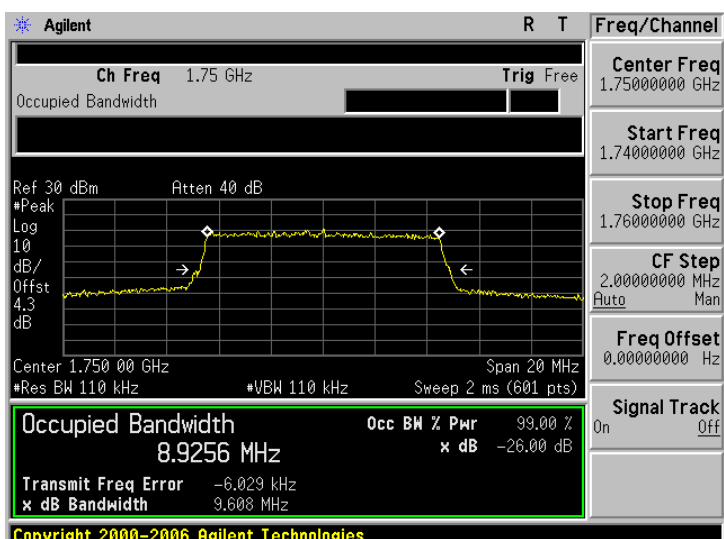
LTE Band 4 (Channel Bandwidth: 15 MHz) _ QPSK	
1717.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7175 GHz Trig Free Center Freq 1.71750000 GHz Start Freq 1.70250000 GHz Stop Freq 1.73250000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 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 13.3976 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 25.106 kHz x dB Bandwidth 14.422 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 13.3753 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 16.260 kHz x dB Bandwidth 14.346 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 13.4053 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -29.139 kHz x dB Bandwidth 14.612 MHz Copyright 2000-2006 Agilent Technologies

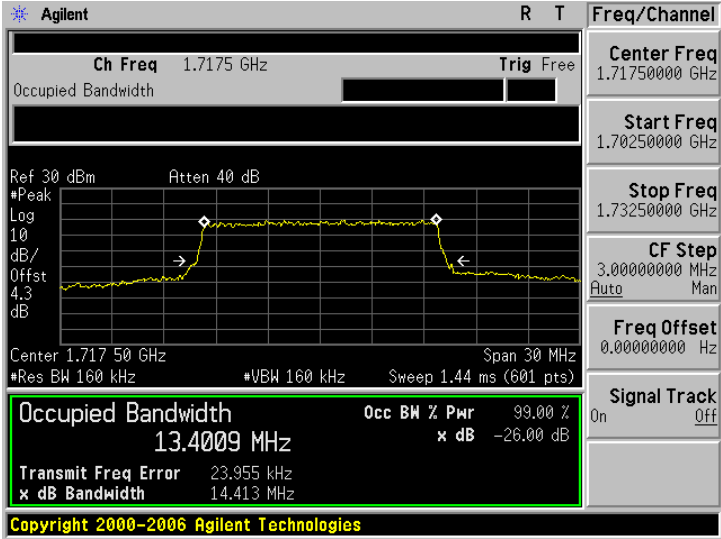
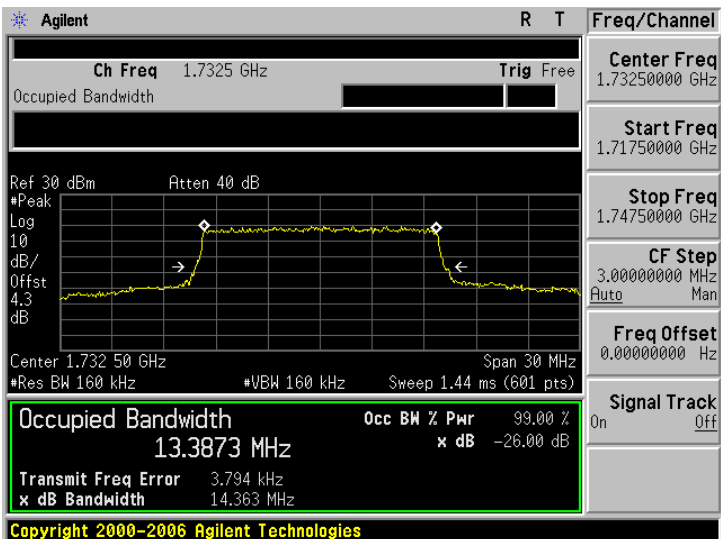
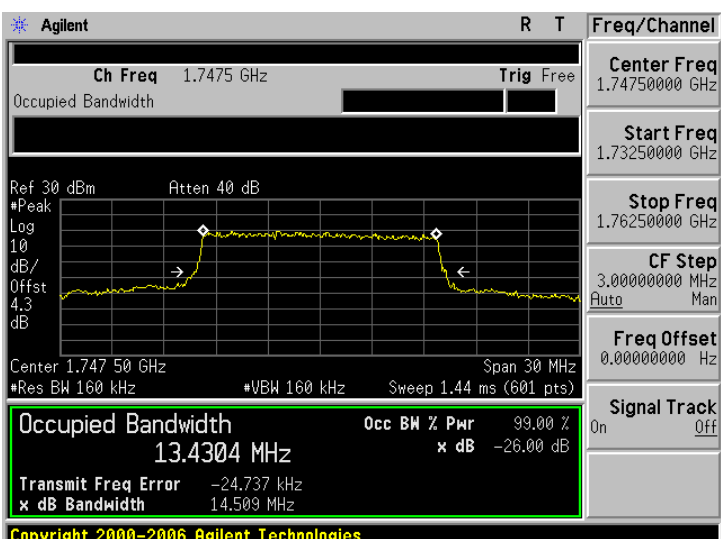
LTE Band 4 (Channel Bandwidth: 20 MHz) _ QPSK	
1720.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.72 GHz Trig Free Center Freq 1.72000000 GHz Start Freq 1.70000000 GHz Stop Freq 1.74000000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 10 dB/Offst 4.3 dB Center 1.720 00 GHz Span 40 MHz *Res BW 220 kHz *VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8559 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 59.717 kHz x dB Bandwidth 19.083 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 1.71250000 GHz Stop Freq 1.75250000 GHz CF Step 4.00000000 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 40 MHz *Res BW 220 kHz *VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8096 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 15.977 kHz x dB Bandwidth 19.191 MHz Copyright 2000-2006 Agilent Technologies
1745.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.745 GHz Trig Free Center Freq 1.74500000 GHz Start Freq 1.72500000 GHz Stop Freq 1.76500000 GHz CF Step 4.00000000 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 1.745 00 GHz Span 40 MHz *Res BW 220 kHz *VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8802 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -36.354 kHz x dB Bandwidth 19.245 MHz Copyright 2000-2006 Agilent Technologies

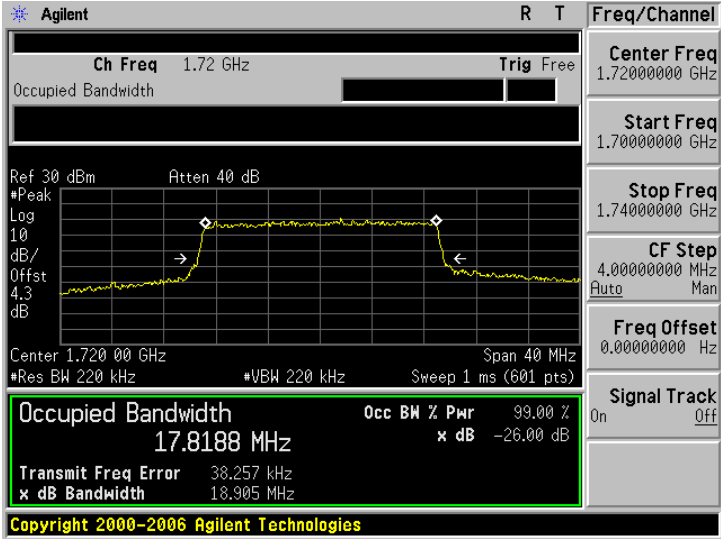
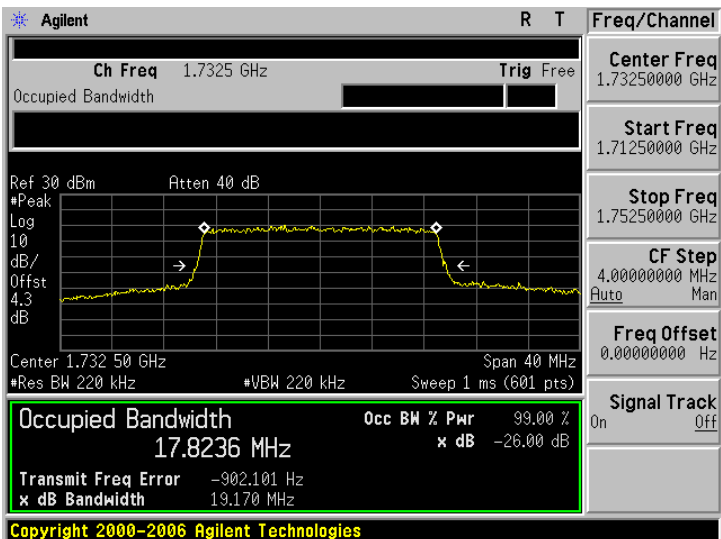
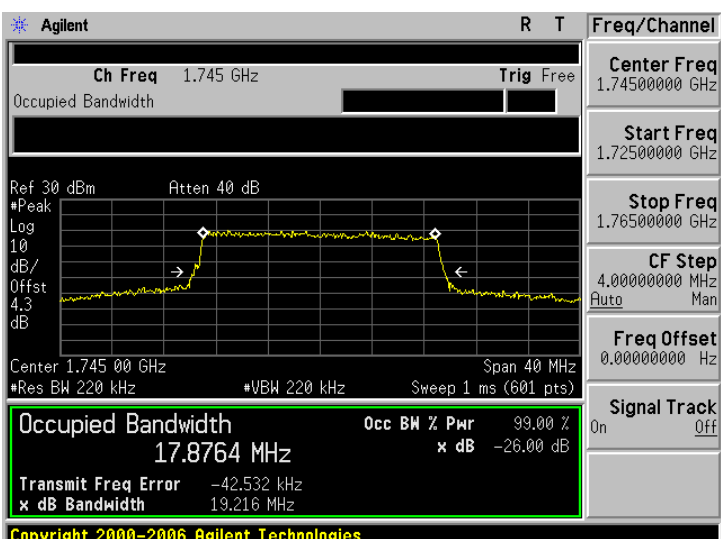
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1710.7 MHz	 Agilent R T Freq/Channel Ch Freq 1.7107 GHz Trig Free Center Freq 1.71070000 GHz Start Freq 1.70920000 GHz Stop Freq 1.71220000 GHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 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 1.0824 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -266.800 Hz x dB Bandwidth 1.246 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 1.0851 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -153.787 Hz x dB Bandwidth 1.242 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 1.0805 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -2.384 kHz x dB Bandwidth 1.232 MHz Copyright 2000-2006 Agilent Technologies

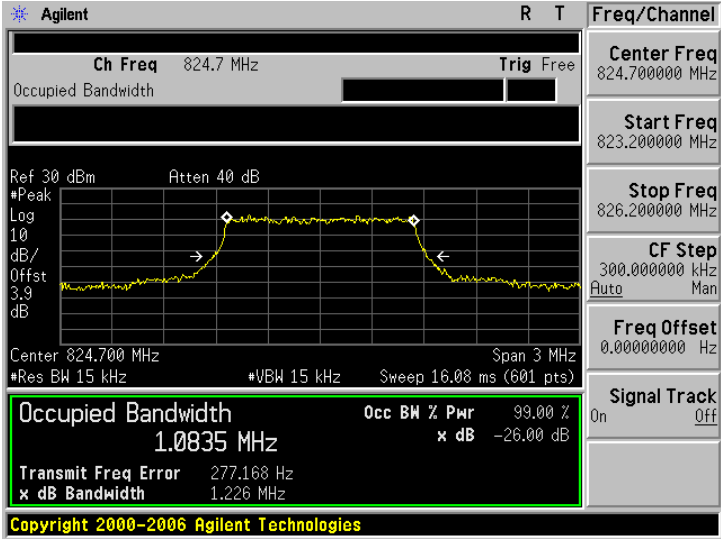
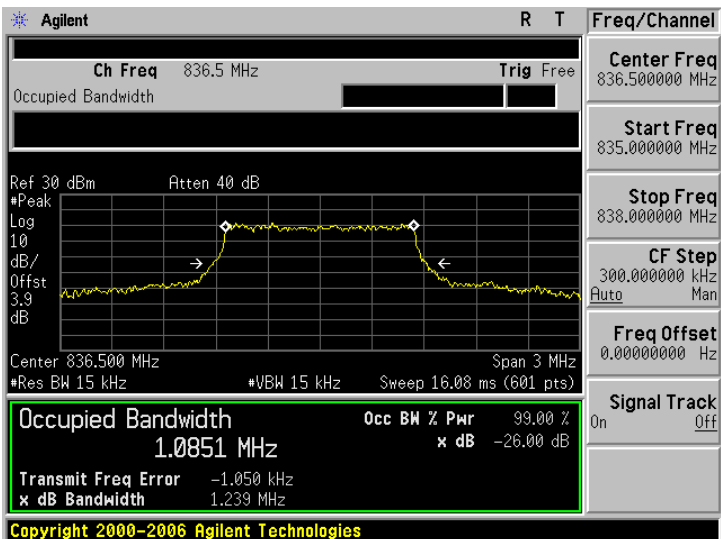
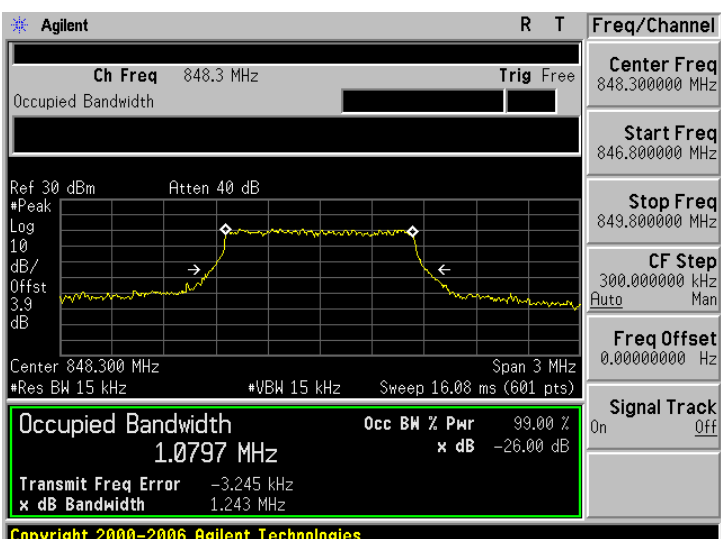
LTE Band 4 (Channel Bandwidth: 3 MHz) _ 16QAM	
1711.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.7115 GHz Trig Free Center Freq 1.71150000 GHz Start Freq 1.70850000 GHz Stop Freq 1.71450000 GHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 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 2.6894 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 4.429 kHz x dB Bandwidth 2.981 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 Center 1.732 500 GHz Span 6 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6819 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.147 kHz x dB Bandwidth 2.982 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 2.6860 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.529 kHz x dB Bandwidth 2.975 MHz Copyright 2000-2006 Agilent Technologies

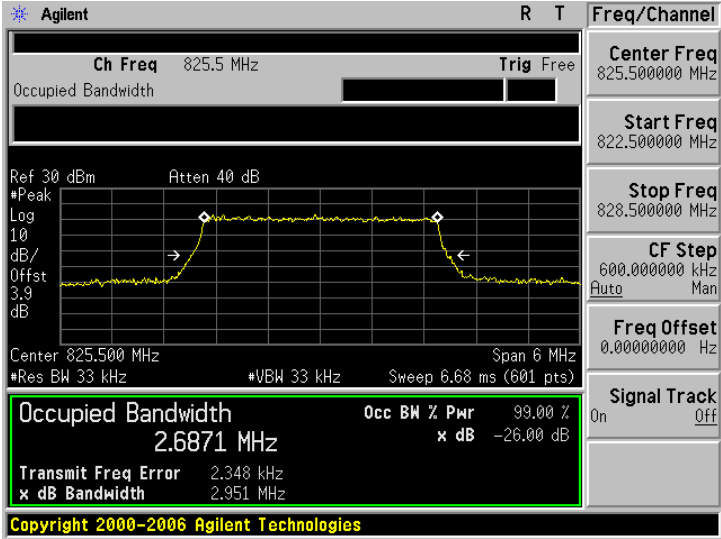
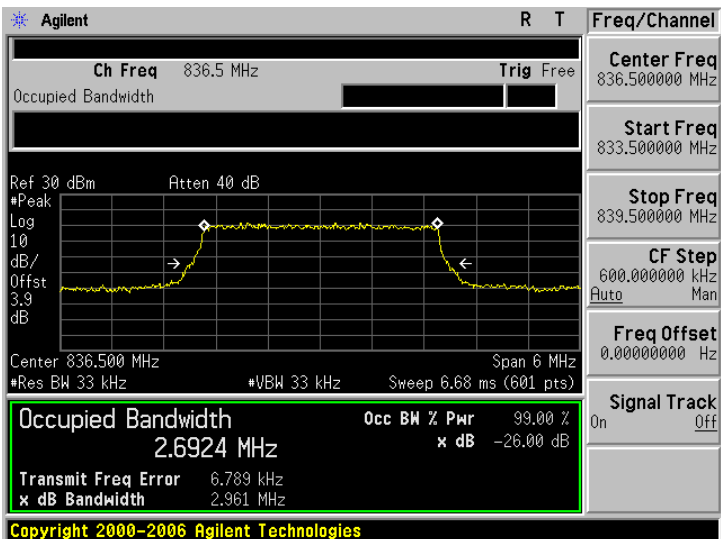
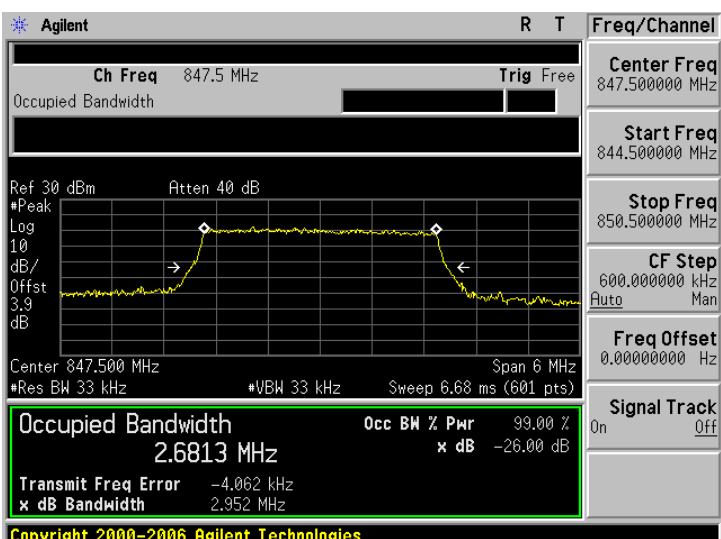
LTE Band 4 (Channel Bandwidth: 5 MHz) _ 16QAM	
1712.5 MHz	 Copyright 2000-2006 Agilent Technologies
1732.5 MHz	 Copyright 2000-2006 Agilent Technologies
1752.5 MHz	 Copyright 2000-2006 Agilent Technologies

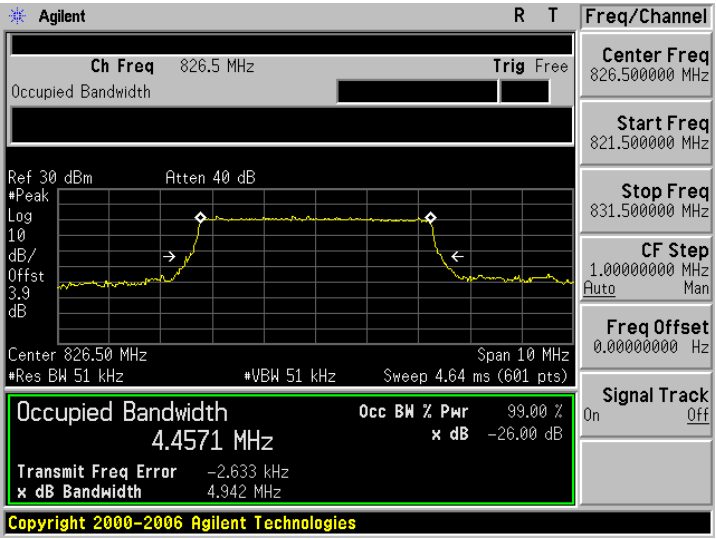
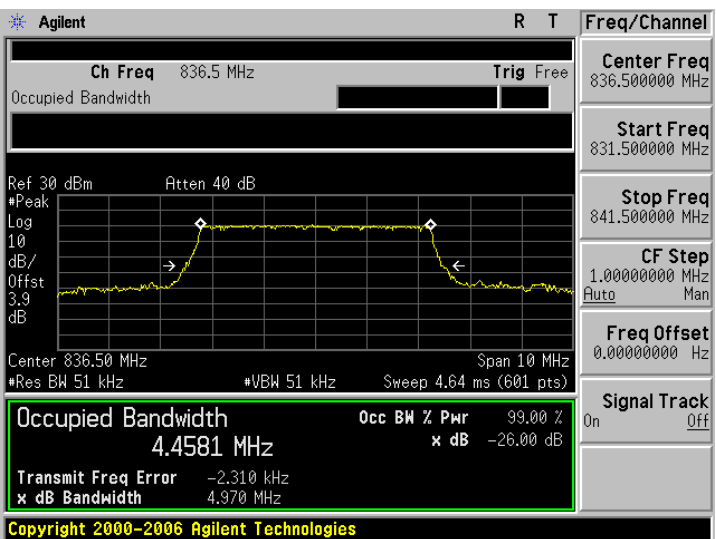
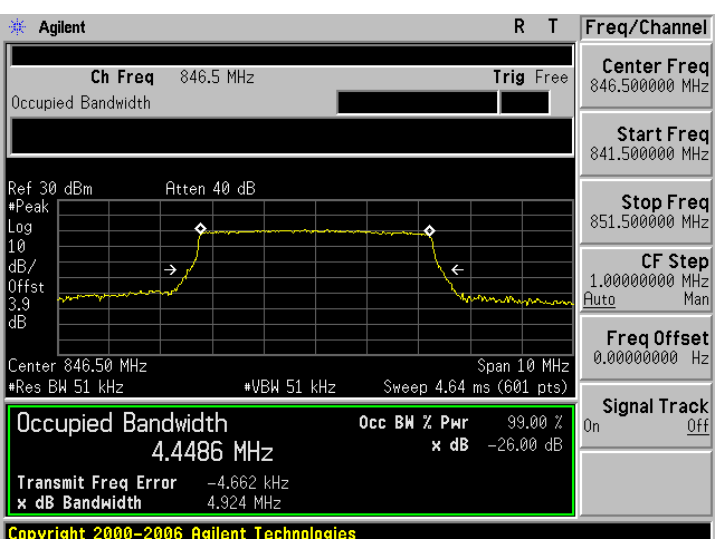
LTE Band 4 (Channel Bandwidth: 10 MHz) _ 16QAM	
1715.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.715 GHz Trig Free Center Freq 1.71500000 GHz Start Freq 1.70500000 GHz Stop Freq 1.72500000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 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 8.9645 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 19.968 kHz x dB Bandwidth 9.828 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 Log 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 8.9377 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 13.656 kHz x dB Bandwidth 9.620 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 Log 10 dB/Offst 4.3 dB Center 1.750 00 GHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9256 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -6.029 kHz x dB Bandwidth 9.608 MHz Copyright 2000-2006 Agilent Technologies

LTE Band 4 (Channel Bandwidth: 15 MHz) _ 16QAM	
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 13.4009 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 23.955 kHz x dB Bandwidth 14.413 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 13.3873 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 3.794 kHz x dB Bandwidth 14.363 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 13.4304 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -24.737 kHz x dB Bandwidth 14.509 MHz Copyright 2000-2006 Agilent Technologies

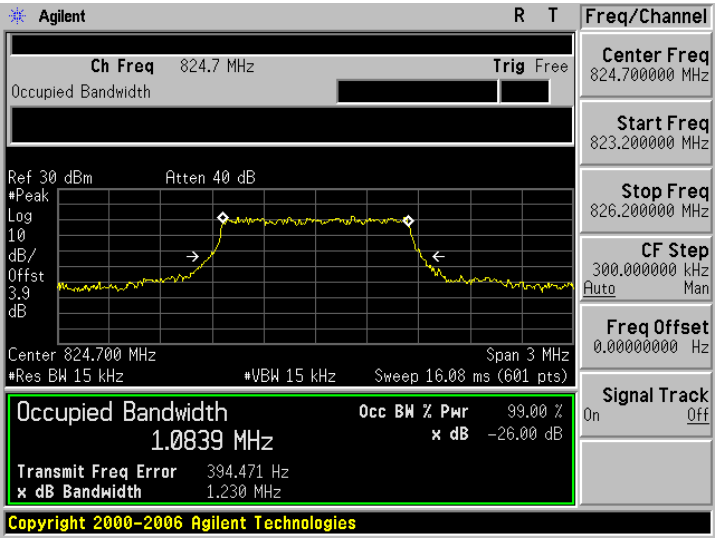
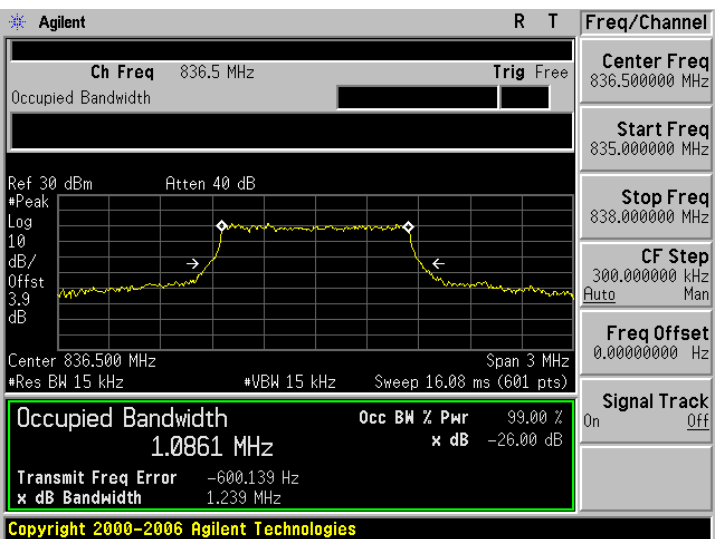
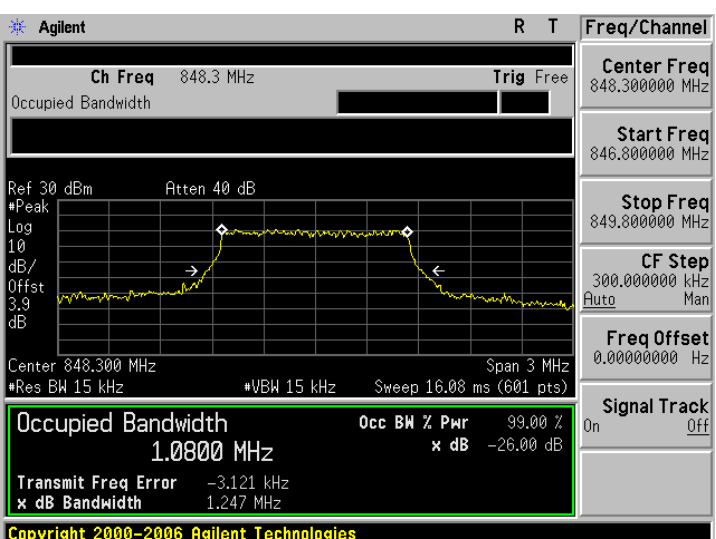
LTE Band 4 (Channel Bandwidth: 20 MHz) _ 16QAM	
1720.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.72 GHz Trig Free Center Freq 1.72000000 GHz Start Freq 1.70000000 GHz Stop Freq 1.74000000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 10 dB/Offst 4.3 dB Center 1.720 00 GHz Span 40 MHz *Res BW 220 kHz *VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8188 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 38.257 kHz x dB Bandwidth 18.905 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 1.71250000 GHz Stop Freq 1.75250000 GHz CF Step 4.00000000 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 40 MHz *Res BW 220 kHz *VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8236 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -902.101 Hz x dB Bandwidth 19.170 MHz Copyright 2000-2006 Agilent Technologies
1745.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.745 GHz Trig Free Center Freq 1.74500000 GHz Start Freq 1.72500000 GHz Stop Freq 1.76500000 GHz CF Step 4.00000000 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 1.745 00 GHz Span 40 MHz *Res BW 220 kHz *VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8764 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -42.532 kHz x dB Bandwidth 19.216 MHz Copyright 2000-2006 Agilent Technologies

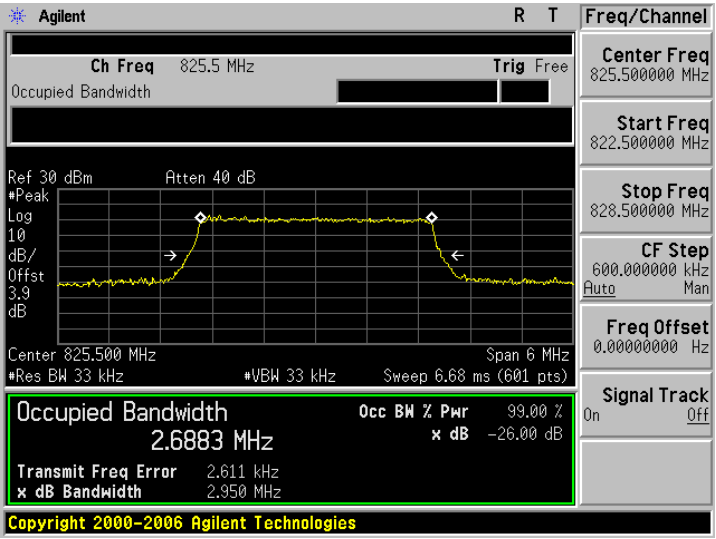
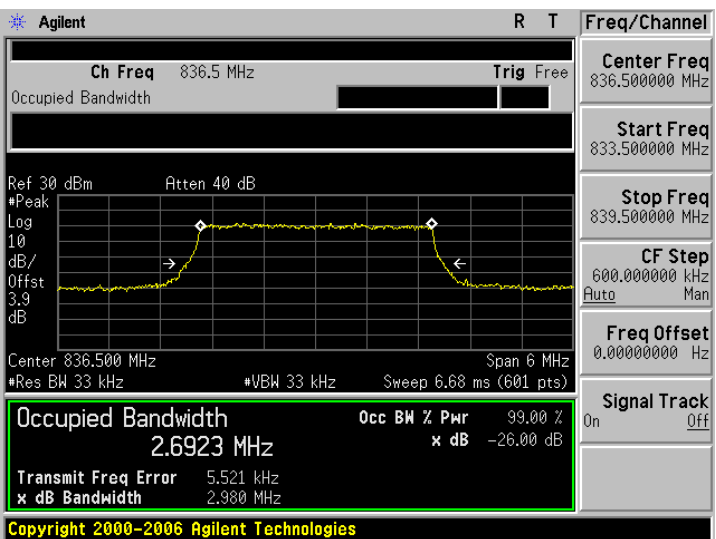
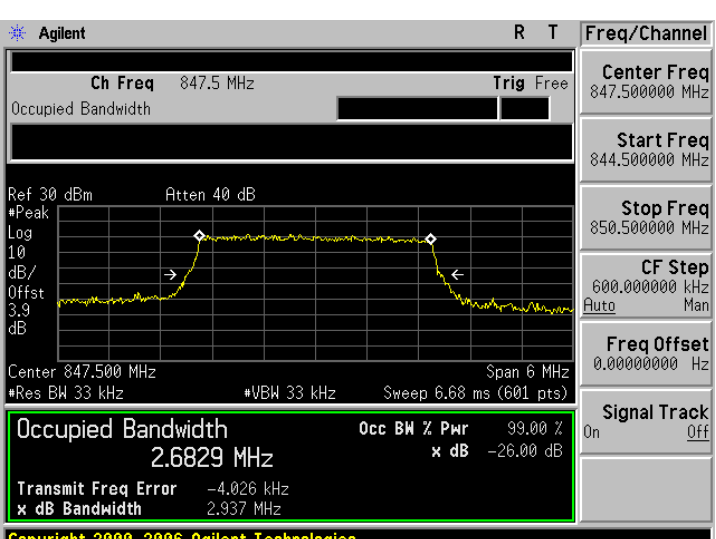
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ QPSK	
824.7 MHz	 Agilent R T Freq/Channel Ch Freq 824.7 MHz Trig Free Center Freq 824.700000 MHz Start Freq 823.200000 MHz Stop Freq 826.200000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 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 1.0835 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 277.168 Hz x dB Bandwidth 1.226 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 0.0000000 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 1.0851 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.050 kHz x dB Bandwidth 1.239 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 0.0000000 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 1.0797 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -3.245 kHz x dB Bandwidth 1.243 MHz Copyright 2000-2006 Agilent Technologies

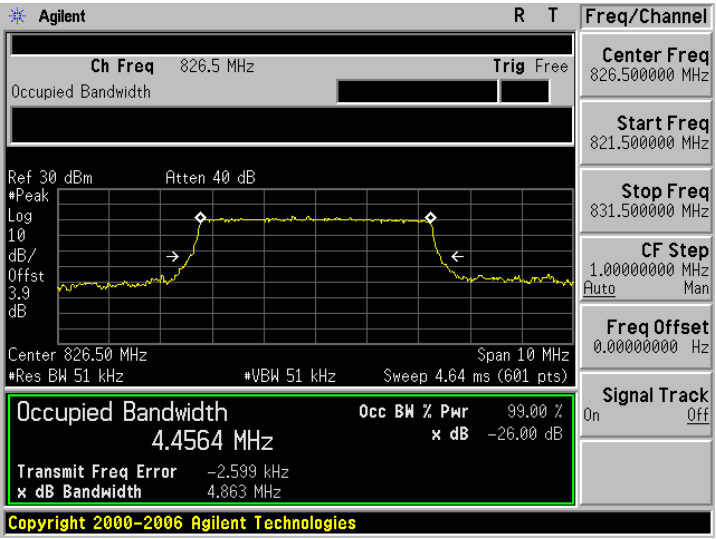
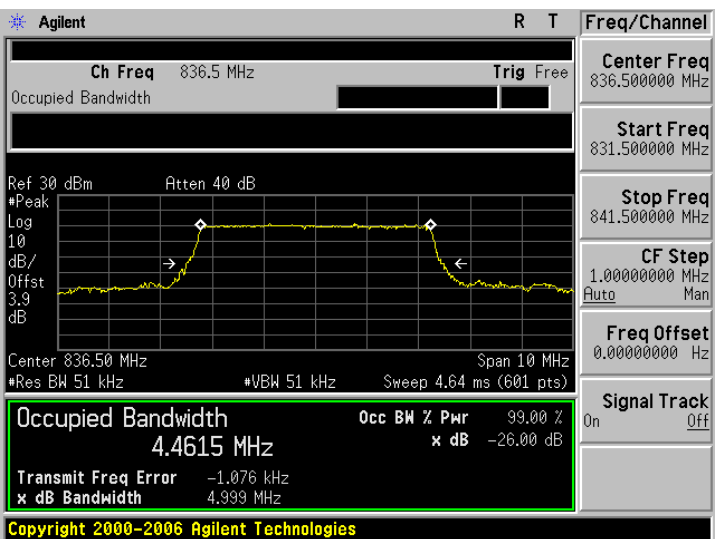
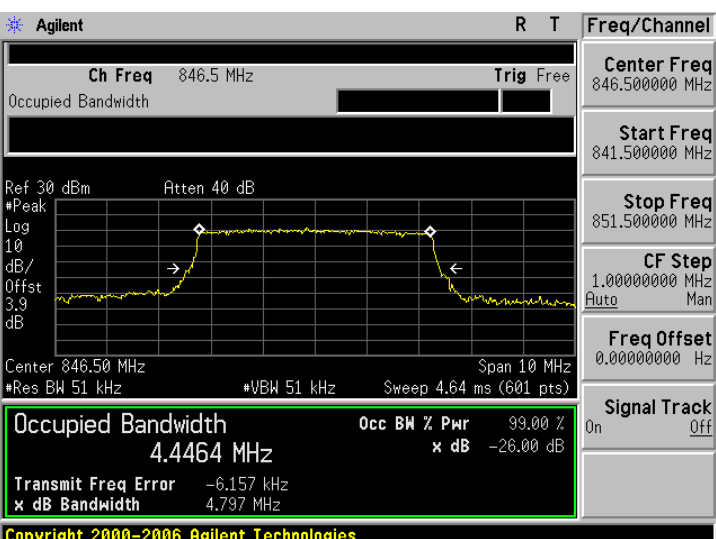
LTE Band 5 (Channel Bandwidth: 3 MHz) _ QPSK	
825.5 MHz	 Agilent R T Freq/Channel Ch Freq 825.5 MHz Trig Free Center Freq 825.500000 MHz Start Freq 822.500000 MHz Stop Freq 828.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 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 2.6871 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.348 kHz x dB Bandwidth 2.951 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 0.0000000 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 2.6924 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 6.789 kHz x dB Bandwidth 2.961 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 0.0000000 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 2.6813 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -4.062 kHz x dB Bandwidth 2.952 MHz Copyright 2000-2006 Agilent Technologies

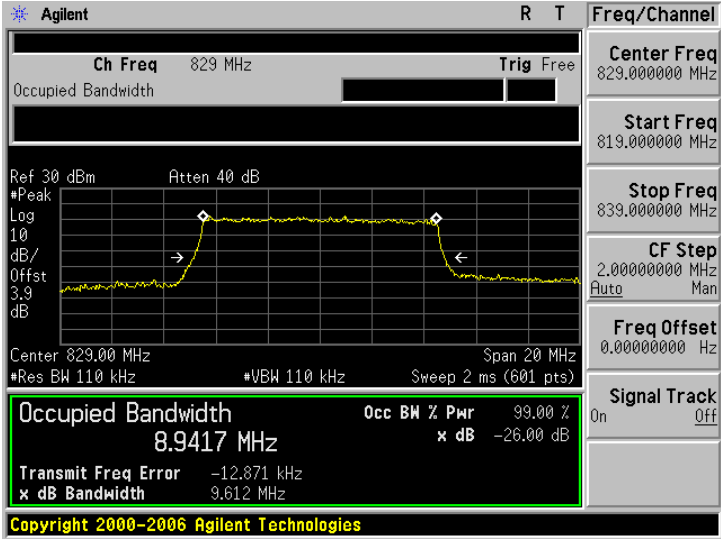
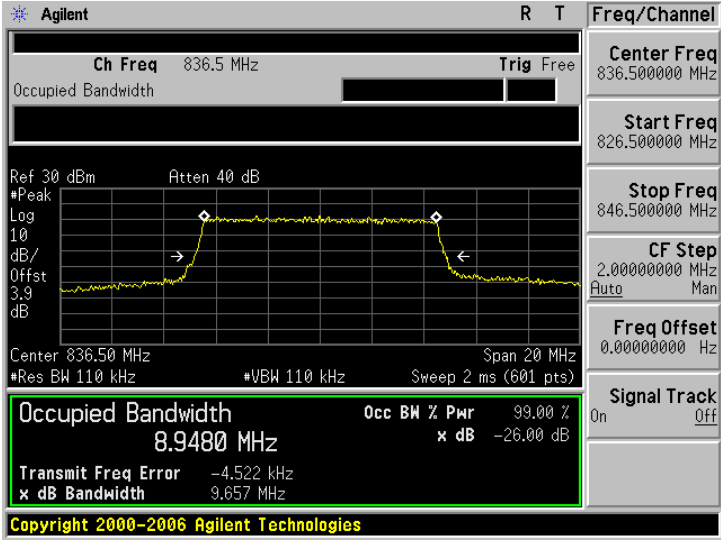
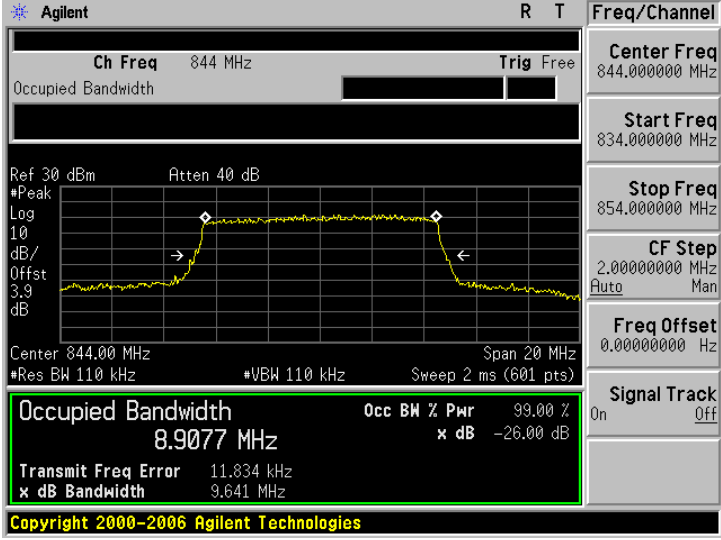
LTE Band 5 (Channel Bandwidth: 5 MHz) _ QPSK	
826.5 MHz	 Agilent R T Freq/Channel Ch Freq 826.5 MHz Trig Free Center Freq 826.500000 MHz Start Freq 821.500000 MHz Stop Freq 831.500000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 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 4.4571 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -2.633 kHz x dB Bandwidth 4.942 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 4.4581 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -2.310 kHz x dB Bandwidth 4.970 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 4.4486 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -4.662 kHz x dB Bandwidth 4.924 MHz Copyright 2000-2006 Agilent Technologies

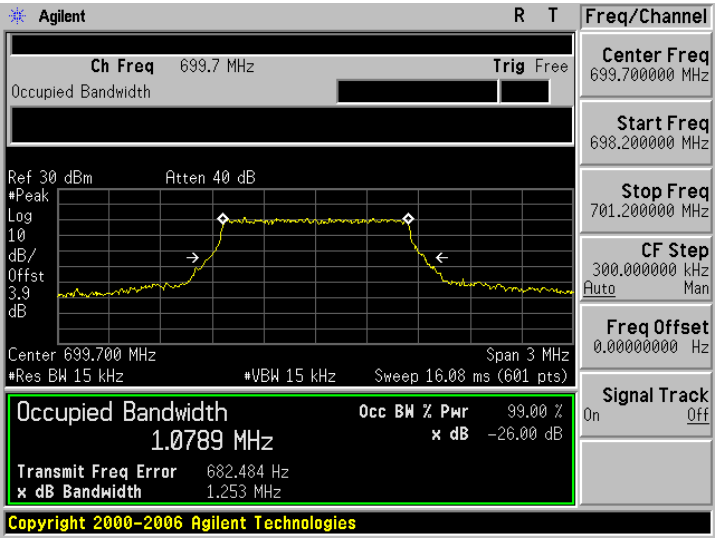
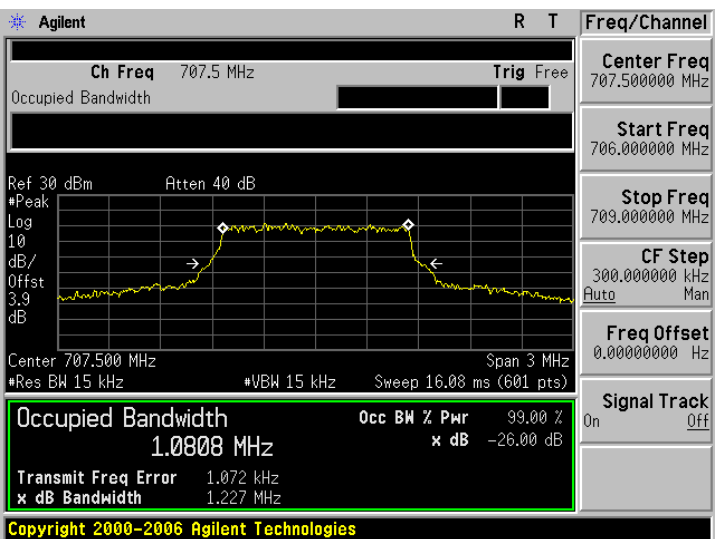
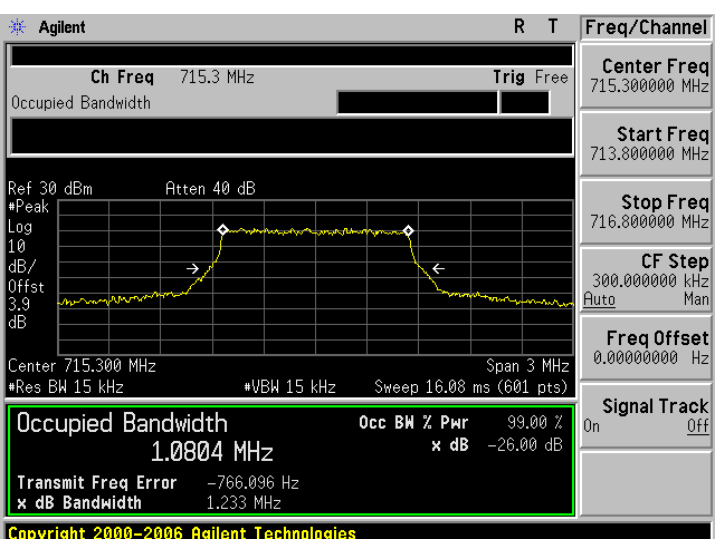
LTE Band 5 (Channel Bandwidth: 10 MHz) _ QPSK	
829.0 MHz	Agilent R T Freq/Channel Ch Freq 829 MHz Trig Free Center Freq 829.000000 MHz Start Freq 819.000000 MHz Stop Freq 839.000000 MHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 3.9 dB Center 829.00 MHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9389 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -12.168 kHz x dB Bandwidth 9.668 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 826.500000 MHz Stop Freq 846.500000 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 836.50 MHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9537 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -4.856 kHz x dB Bandwidth 9.594 MHz Copyright 2000-2006 Agilent Technologies
844.0 MHz	Agilent R T Freq/Channel Ch Freq 844 MHz Trig Free Center Freq 844.000000 MHz Start Freq 834.000000 MHz Stop Freq 854.000000 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 844.00 MHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9091 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 14.721 kHz x dB Bandwidth 9.673 MHz Copyright 2000-2006 Agilent Technologies

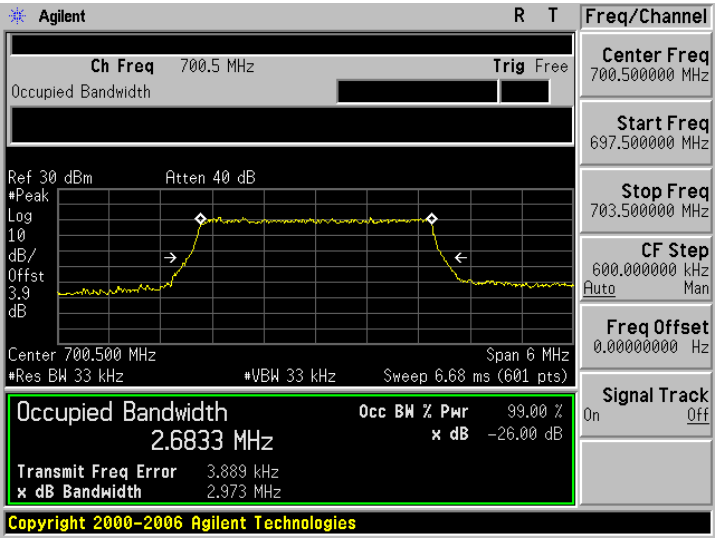
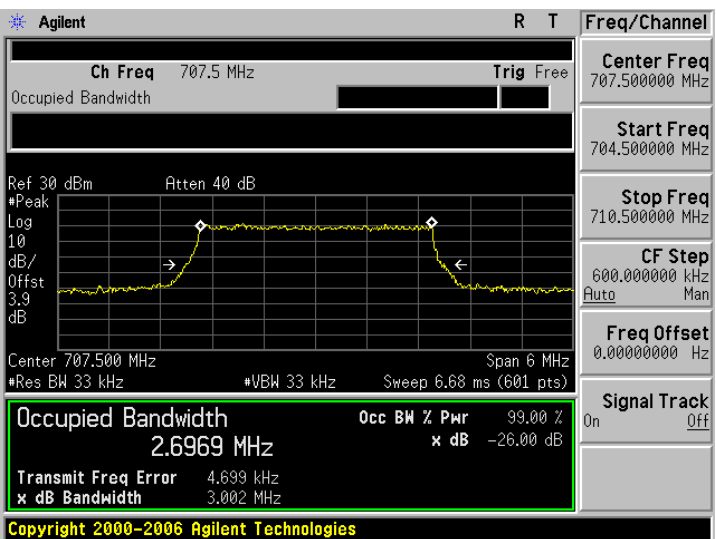
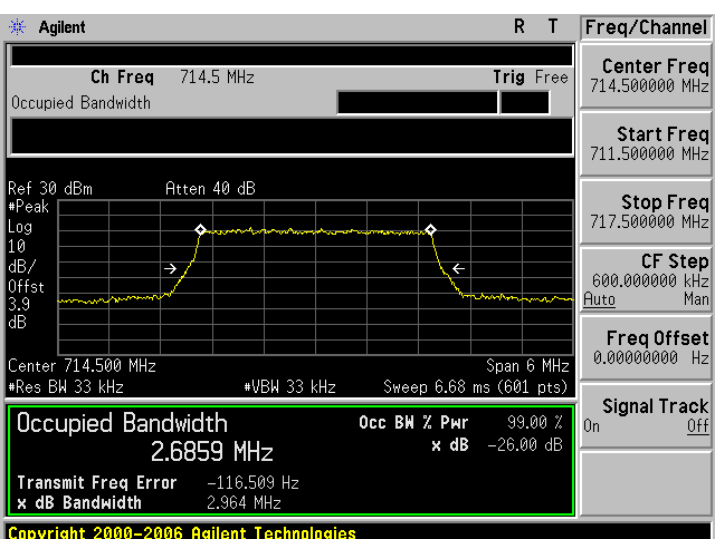
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
824.7 MHz	 Agilent R T Freq/Channel Ch Freq 824.7 MHz Trig Free Center Freq 824.700000 MHz Start Freq 823.200000 MHz Stop Freq 826.200000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 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 1.0839 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 394.471 Hz x dB Bandwidth 1.230 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 1.0861 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -600.139 Hz x dB Bandwidth 1.239 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 1.0800 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -3.121 kHz x dB Bandwidth 1.247 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 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 2.6883 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.611 kHz x dB Bandwidth 2.950 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 2.6923 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 5.521 kHz x dB Bandwidth 2.980 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 2.6829 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -4.026 kHz x dB Bandwidth 2.937 MHz Copyright 2000-2006 Agilent Technologies

LTE Band 5 (Channel Bandwidth: 5 MHz) _ 16QAM	
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 4.4564 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -2.599 kHz x dB Bandwidth 4.863 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 4.4615 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.076 kHz x dB Bandwidth 4.999 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 4.4464 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -6.157 kHz x dB Bandwidth 4.797 MHz Copyright 2000-2006 Agilent Technologies

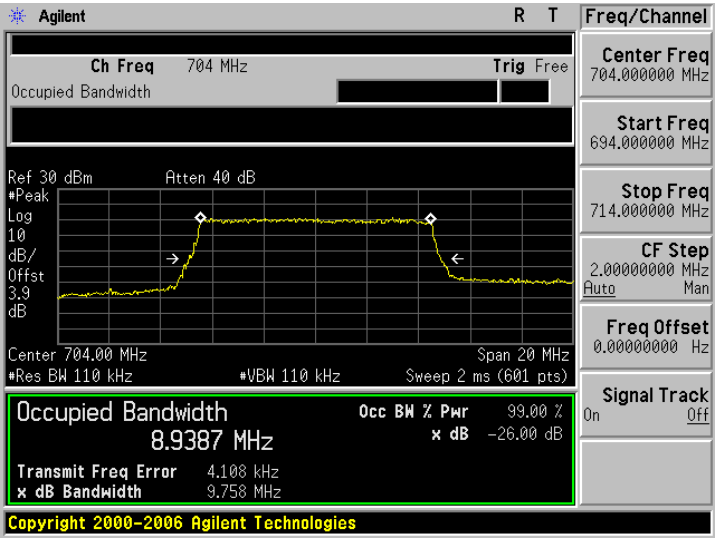
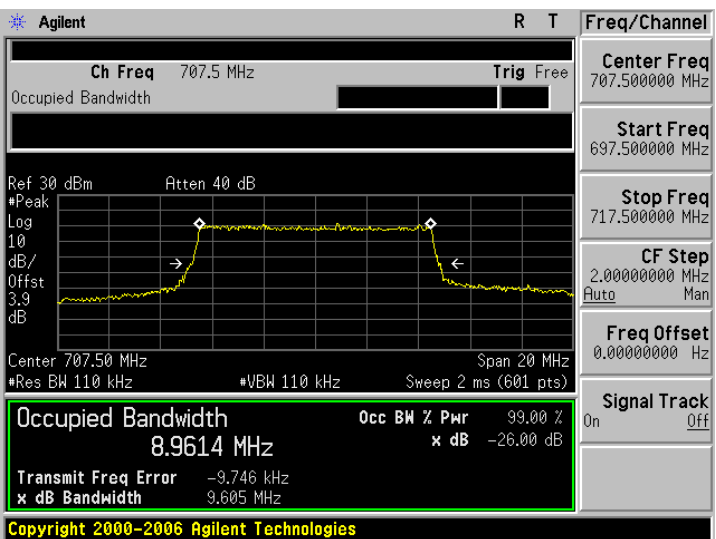
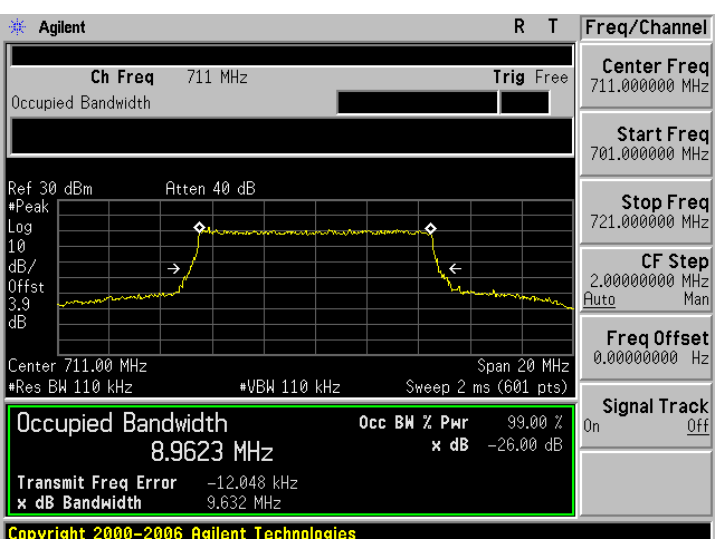
LTE Band 5 (Channel Bandwidth: 10 MHz) _ 16QAM	
829.0 MHz	 Agilent R T Freq/Channel Ch Freq 829 MHz Trig Free Center Freq 829.000000 MHz Start Freq 819.000000 MHz Stop Freq 839.000000 MHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 10 dB/Offst 3.9 dB Center 829.00 MHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9417 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -12.871 kHz x dB Bandwidth 9.612 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 826.500000 MHz Stop Freq 846.500000 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 836.50 MHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9480 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -4.522 kHz x dB Bandwidth 9.657 MHz Copyright 2000-2006 Agilent Technologies
844.0 MHz	 Agilent R T Freq/Channel Ch Freq 844 MHz Trig Free Center Freq 844.000000 MHz Start Freq 834.000000 MHz Stop Freq 854.000000 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 844.00 MHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9077 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 11.834 kHz x dB Bandwidth 9.641 MHz Copyright 2000-2006 Agilent Technologies

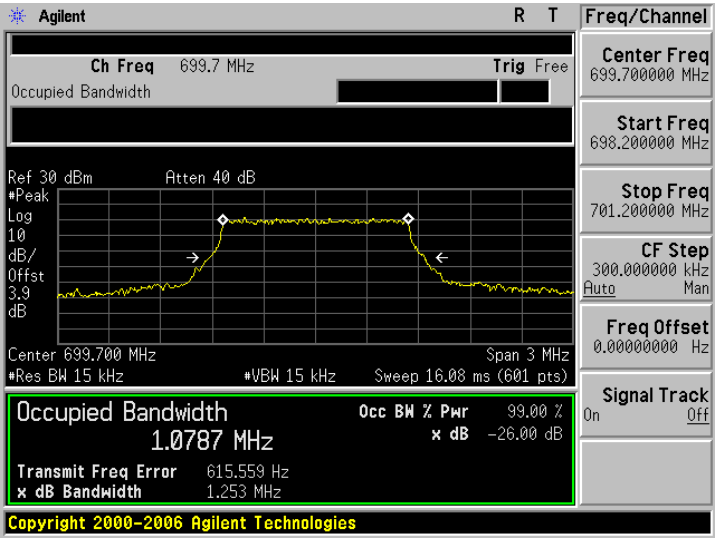
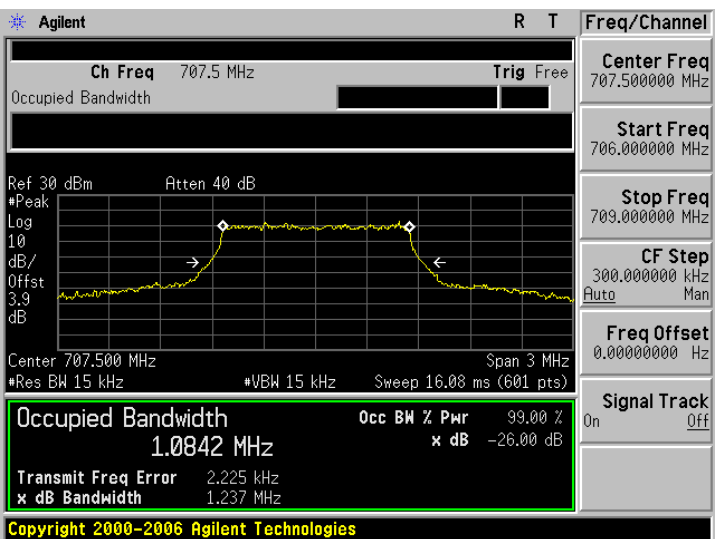
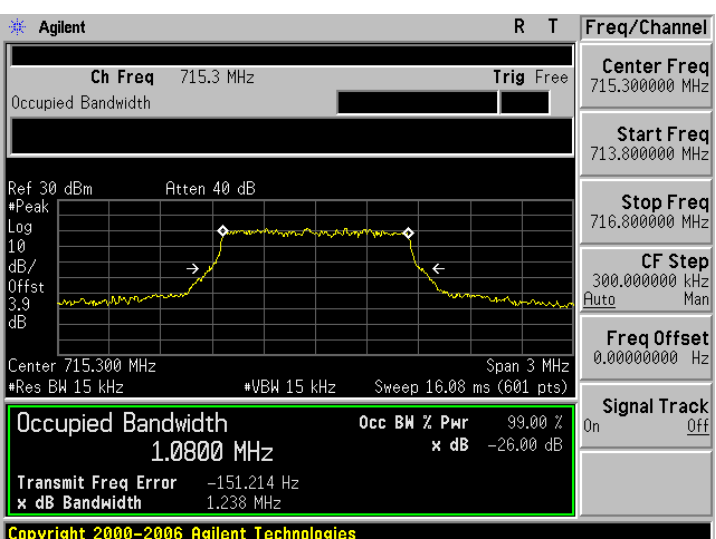
LTE Band 12 (Channel Bandwidth: 1.4 MHz) _ QPSK	
699.7 MHz	 Agilent R T Freq/Channel Ch Freq 699.7 MHz Trig Free Center Freq 699.700000 MHz Start Freq 698.200000 MHz Stop Freq 701.200000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 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 1.0789 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 682.484 Hz x dB Bandwidth 1.253 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 1.0808 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.072 kHz x dB Bandwidth 1.227 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 1.0804 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -766.096 Hz x dB Bandwidth 1.233 MHz Copyright 2000-2006 Agilent Technologies

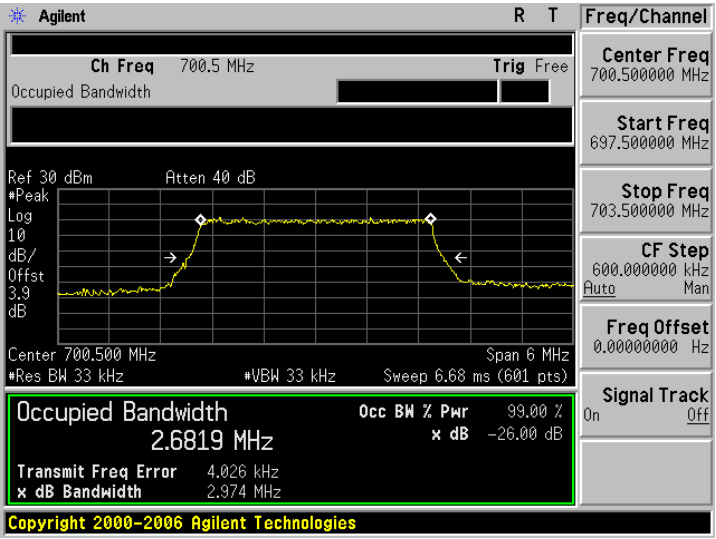
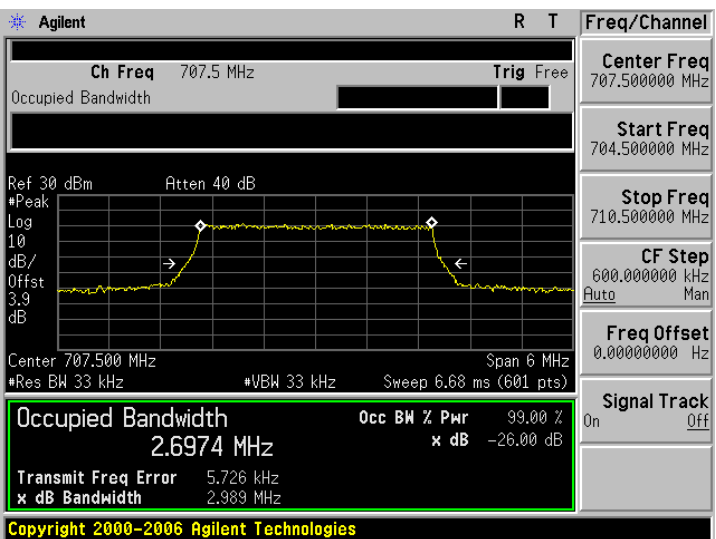
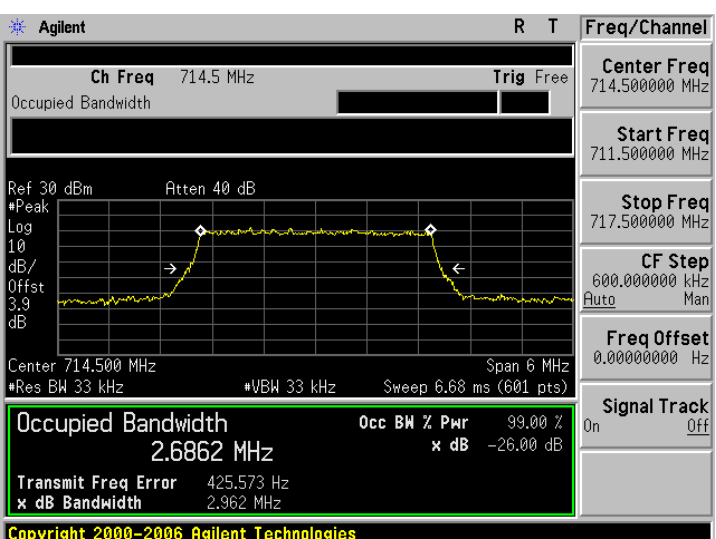
LTE Band 12 (Channel Bandwidth: 3 MHz) _ QPSK	
700.5 MHz	 Agilent R T Freq/Channel Ch Freq 700.5 MHz Trig Free Center Freq 700.500000 MHz Start Freq 697.500000 MHz Stop Freq 703.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 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 2.6833 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 3.889 kHz x dB Bandwidth 2.973 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 2.6969 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 4.699 kHz x dB Bandwidth 3.002 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 2.6859 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -116.509 Hz x dB Bandwidth 2.964 MHz Copyright 2000-2006 Agilent Technologies

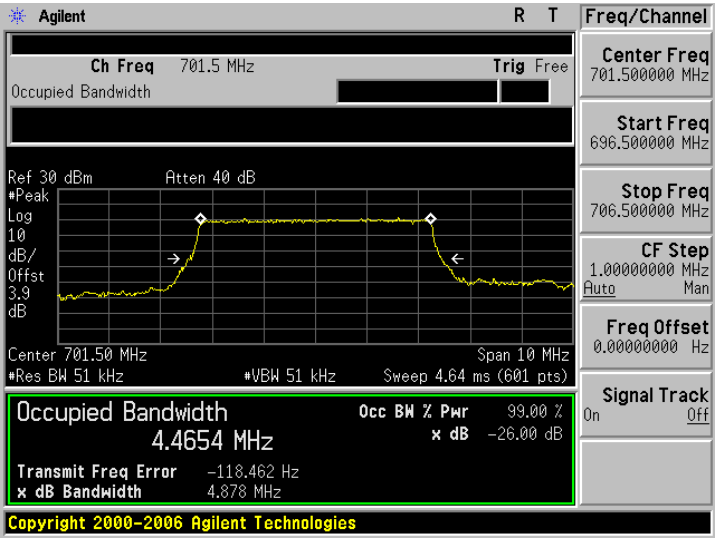
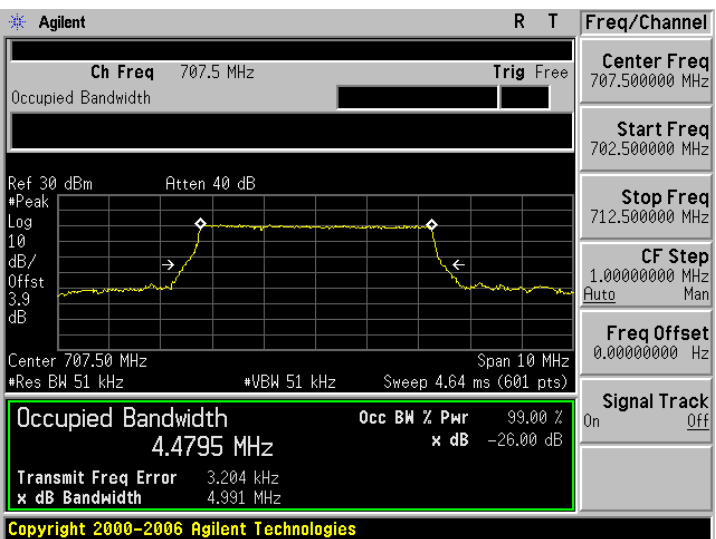
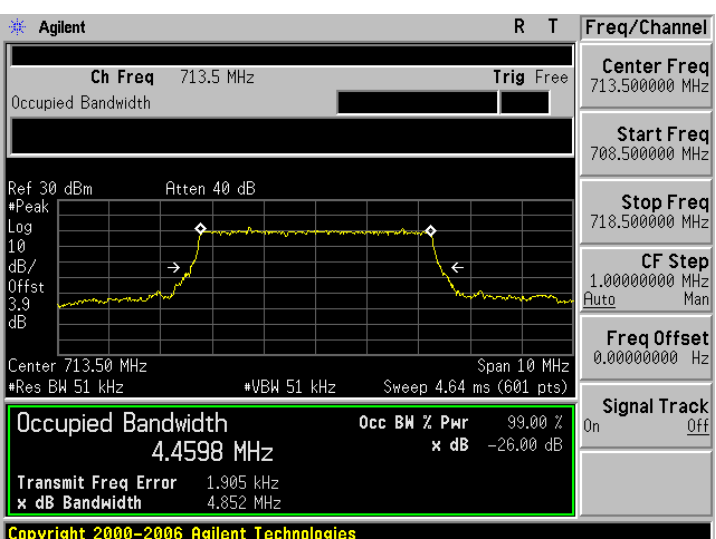


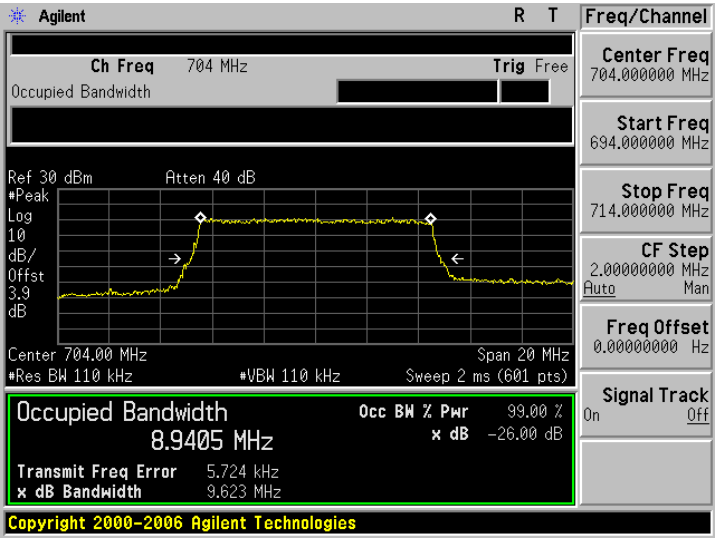
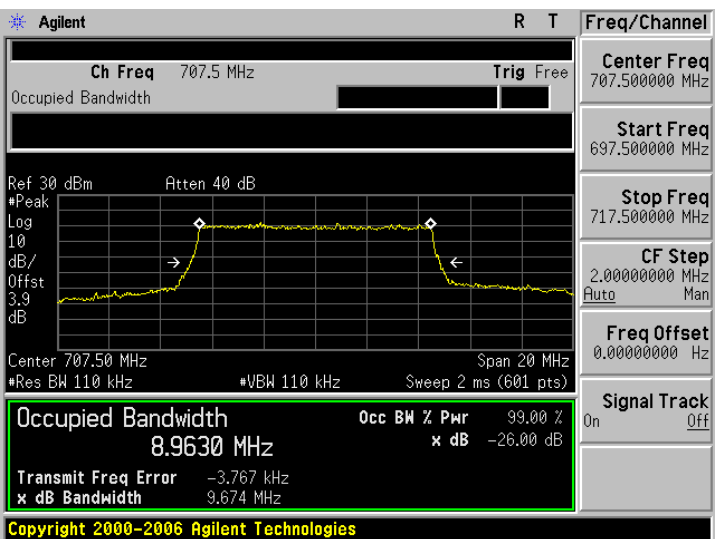
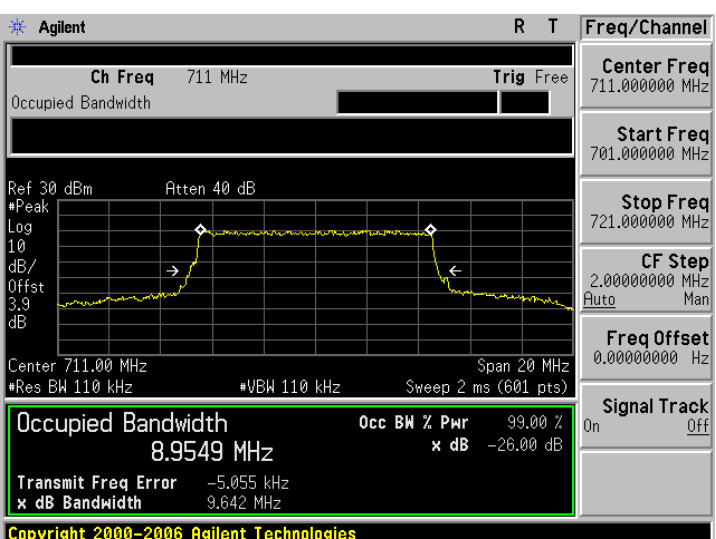
LTE Band 12 (Channel Bandwidth: 5 MHz) _ QPSK	
701.5 MHz	Agilent R T Freq/Channel Ch Freq 701.5 MHz Trig Free Occupied Bandwidth Ref 30 dBm Atten 40 dB #Peak Log 10 dB/ Offst 3.9 dB Center 701.50 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Span 10 MHz Occupied Bandwidth 4.4668 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -811.488 Hz x dB Bandwidth 4.855 MHz Copyright 2000-2006 Agilent Technologies 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 #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Span 10 MHz Occupied Bandwidth 4.4815 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 3.638 kHz x dB Bandwidth 4.929 MHz Copyright 2000-2006 Agilent Technologies 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 #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Span 10 MHz Occupied Bandwidth 4.4587 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 581.293 Hz x dB Bandwidth 4.857 MHz Copyright 2000-2006 Agilent Technologies 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

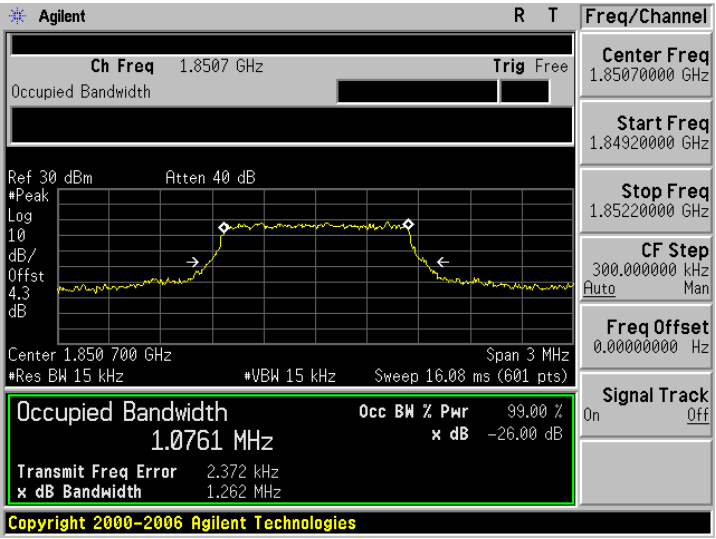
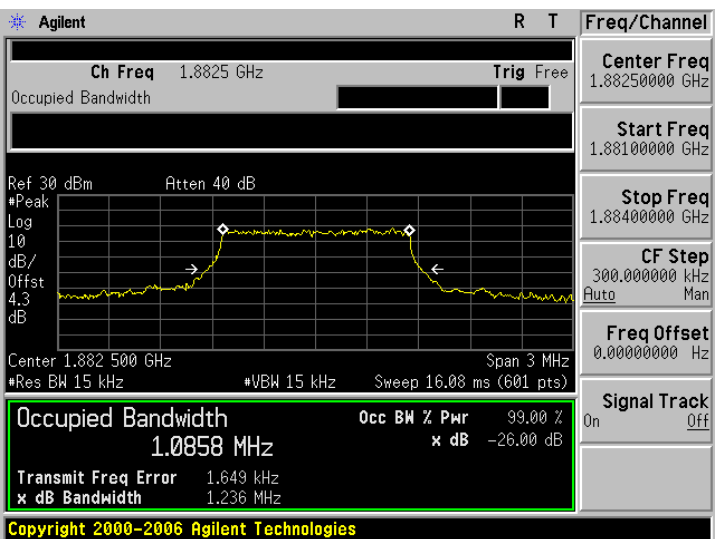
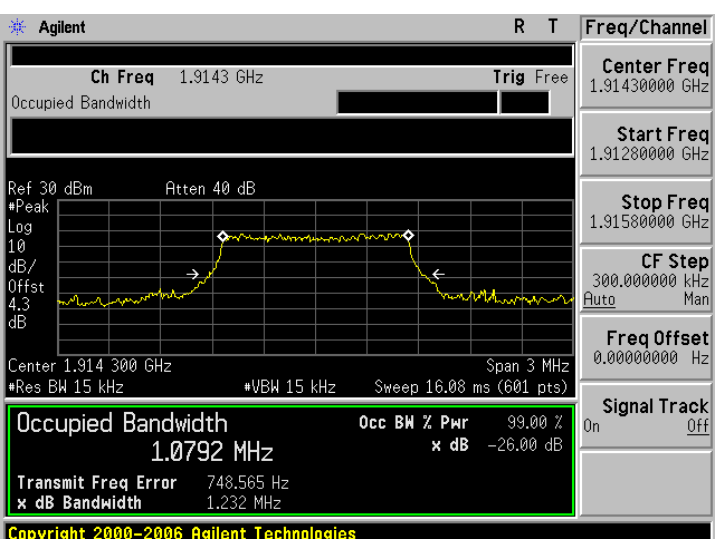
LTE Band 12 (Channel Bandwidth: 10 MHz) _ QPSK	
704.0 MHz	 Agilent R T Freq/Channel Ch Freq 704 MHz Trig Free Center Freq 704.000000 MHz Start Freq 694.000000 MHz Stop Freq 714.000000 MHz CF Step 2.00000000 MHz Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB Peak Log 10 dB/Offst 3.9 dB Center 704.00 MHz Span 20 MHz Res BW 110 kHz VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9387 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 4.108 kHz x dB Bandwidth 9.758 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 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 8.9614 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -9.746 kHz x dB Bandwidth 9.605 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 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 8.9623 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -12.048 kHz x dB Bandwidth 9.632 MHz Copyright 2000-2006 Agilent Technologies

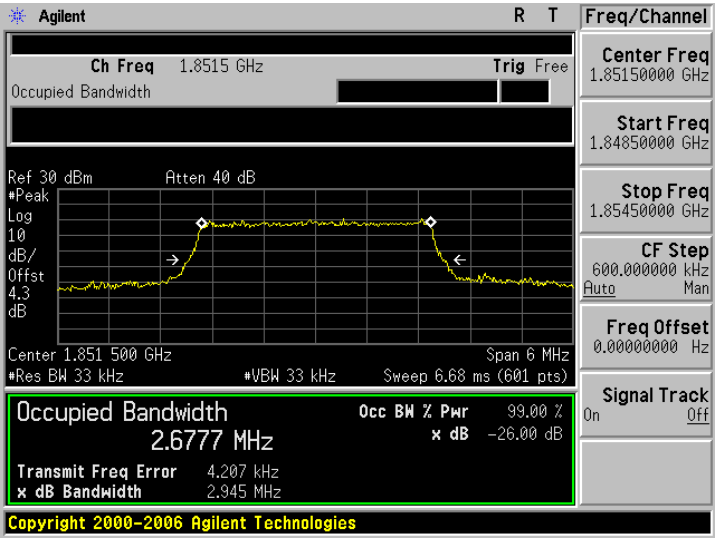
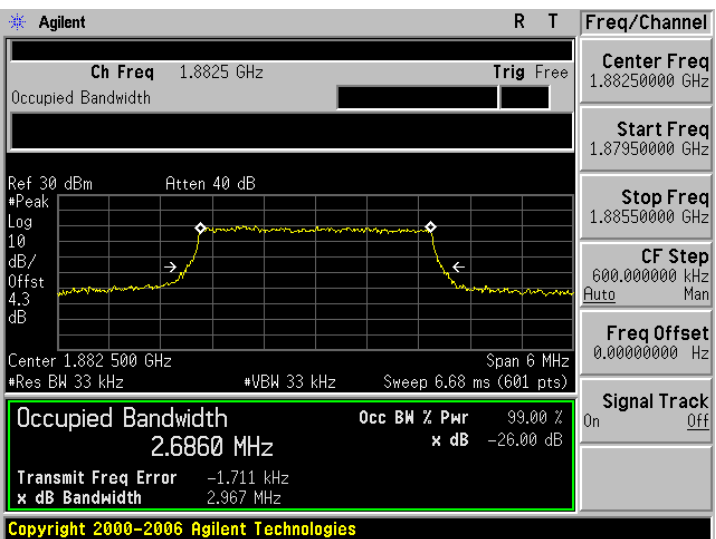
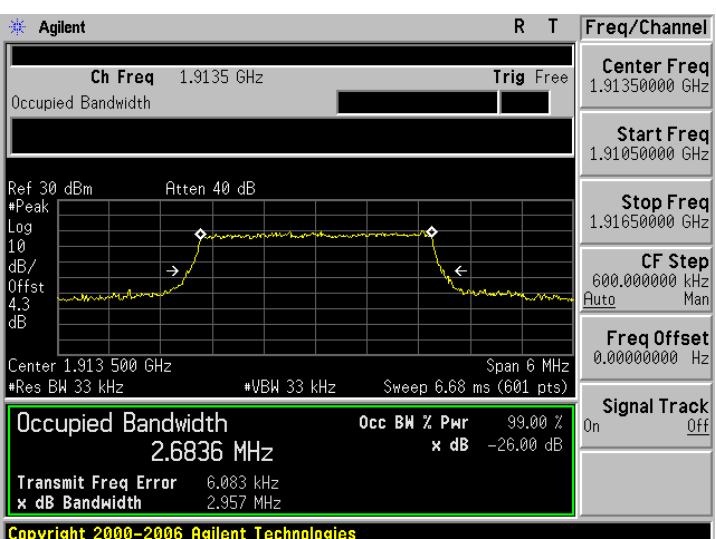
LTE Band 12 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
669.7 MHz	 Agilent R T Freq/Channel Ch Freq 699.7 MHz Trig Free Center Freq 699.700000 MHz Start Freq 698.200000 MHz Stop Freq 701.200000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 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 1.0787 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 615.559 Hz x dB Bandwidth 1.253 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 1.0842 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.225 kHz x dB Bandwidth 1.237 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 1.0800 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -151.214 Hz x dB Bandwidth 1.238 MHz Copyright 2000-2006 Agilent Technologies

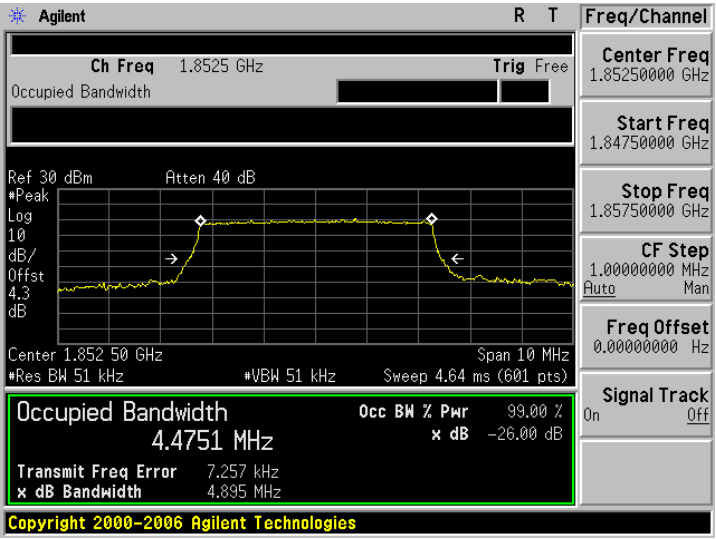
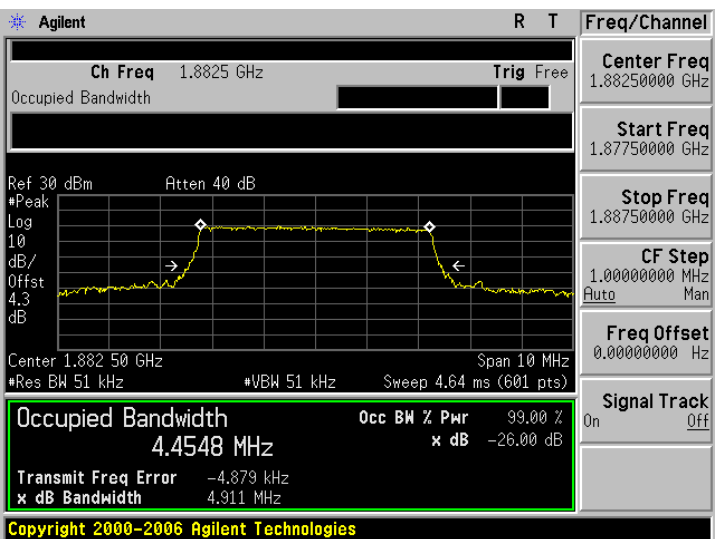
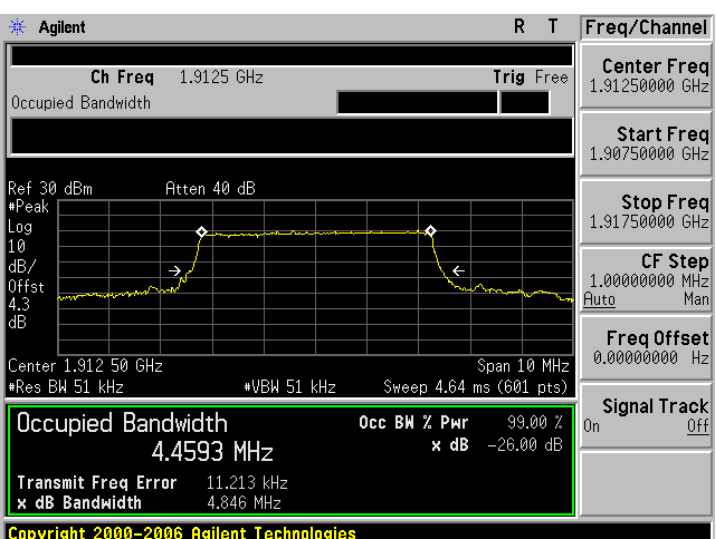
LTE Band 12 (Channel Bandwidth: 3 MHz) _ 16QAM	
700.5 MHz	 Agilent R T Freq/Channel Ch Freq 700.5 MHz Trig Free Center Freq 700.500000 MHz Start Freq 697.500000 MHz Stop Freq 703.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 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 2.6819 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 4.026 kHz x dB Bandwidth 2.974 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 2.6974 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 5.726 kHz x dB Bandwidth 2.989 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 2.6862 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 425.573 Hz x dB Bandwidth 2.962 MHz Copyright 2000-2006 Agilent Technologies

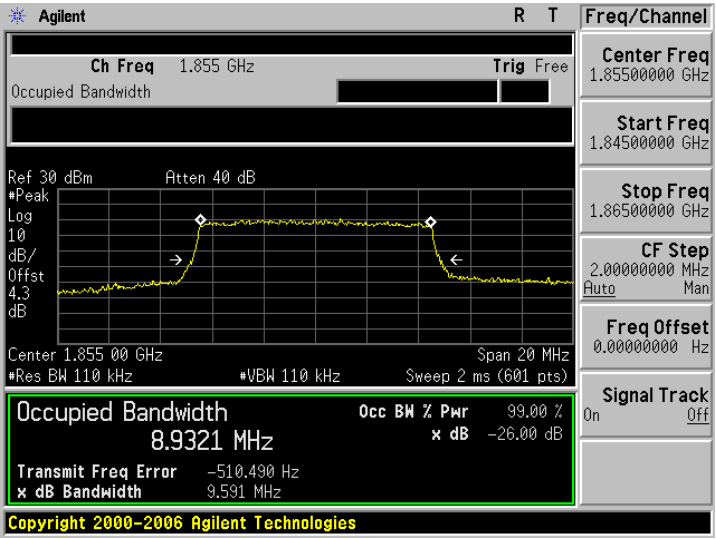
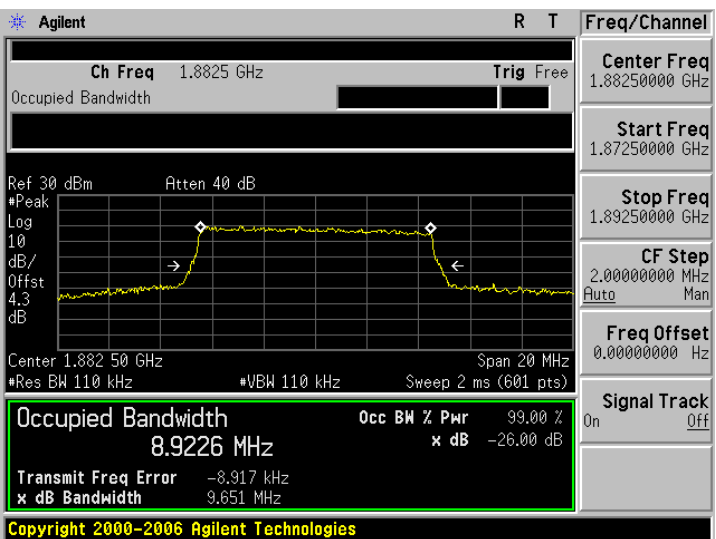
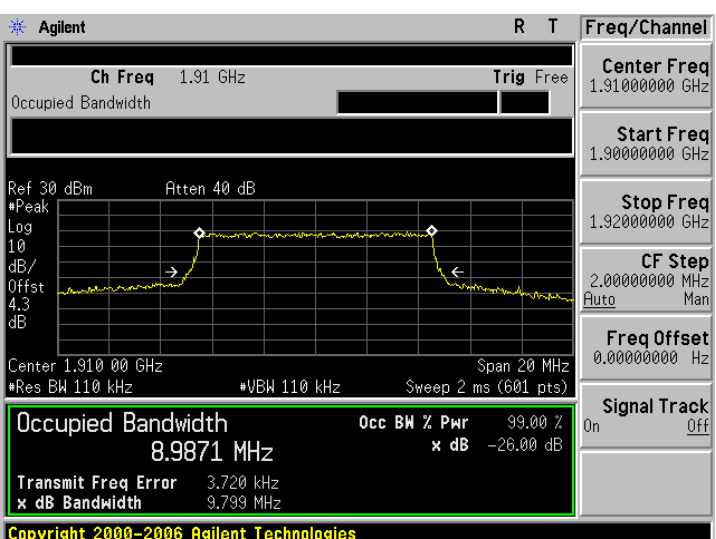
LTE Band 12 (Channel Bandwidth: 5 MHz) _ 16QAM	
701.5 MHz	 Agilent R T Freq/Channel Ch Freq 701.5 MHz Trig Free Center Freq 701.500000 MHz Start Freq 696.500000 MHz Stop Freq 706.500000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 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 4.4654 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -118.462 Hz x dB Bandwidth 4.878 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 702.500000 MHz Stop Freq 712.500000 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 707.50 MHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4795 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 3.204 kHz x dB Bandwidth 4.991 MHz Copyright 2000-2006 Agilent Technologies
713.5 MHz	 Agilent R T Freq/Channel Ch Freq 713.5 MHz Trig Free 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 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 4.4598 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.905 kHz x dB Bandwidth 4.852 MHz Copyright 2000-2006 Agilent Technologies

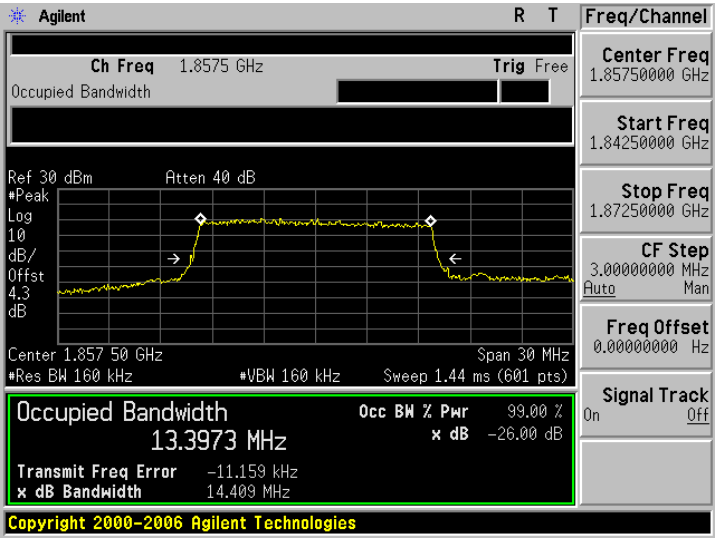
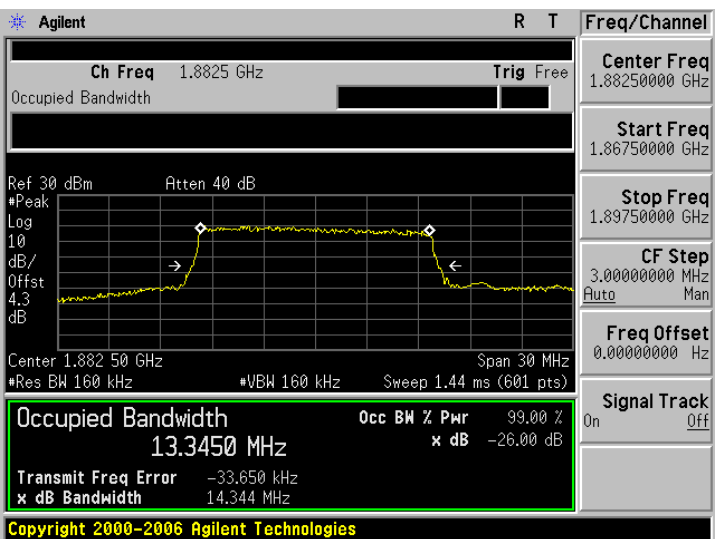
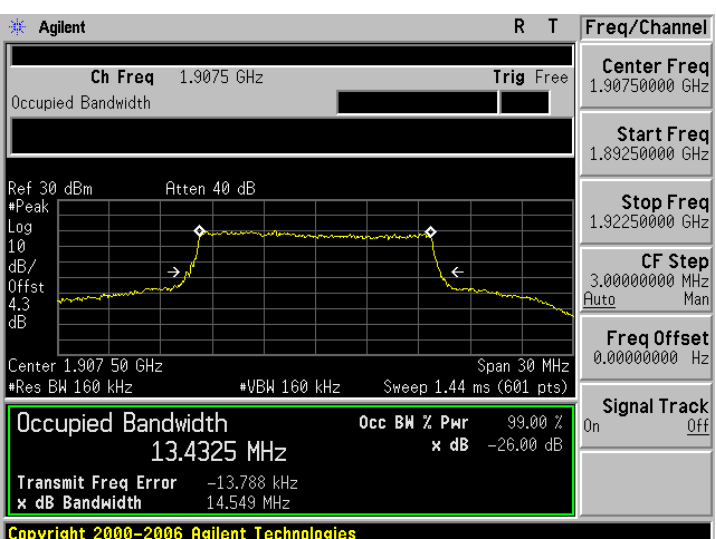
LTE Band 12 (Channel Bandwidth: 10 MHz) _ 16QAM	
704.0 MHz	 Agilent R T Freq/Channel Ch Freq 704 MHz Trig Free Center Freq 704.000000 MHz Start Freq 694.000000 MHz Stop Freq 714.000000 MHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 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 8.9405 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 5.724 kHz x dB Bandwidth 9.623 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 8.9630 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -3.767 kHz x dB Bandwidth 9.674 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 8.9549 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -5.055 kHz x dB Bandwidth 9.642 MHz Copyright 2000-2006 Agilent Technologies

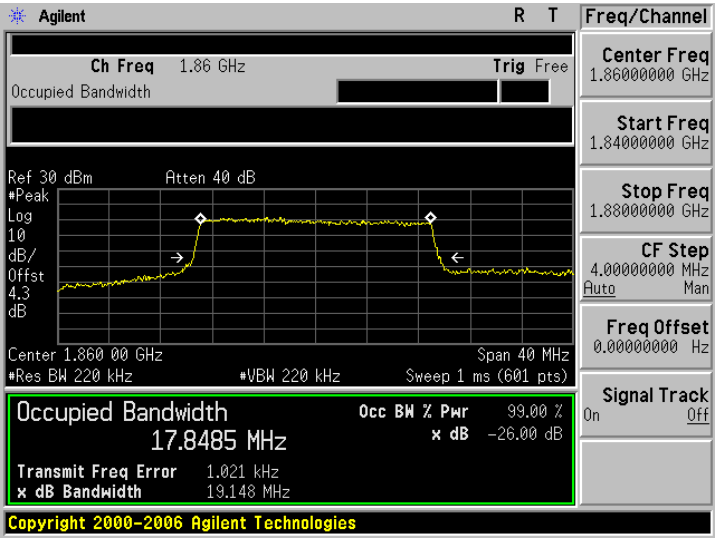
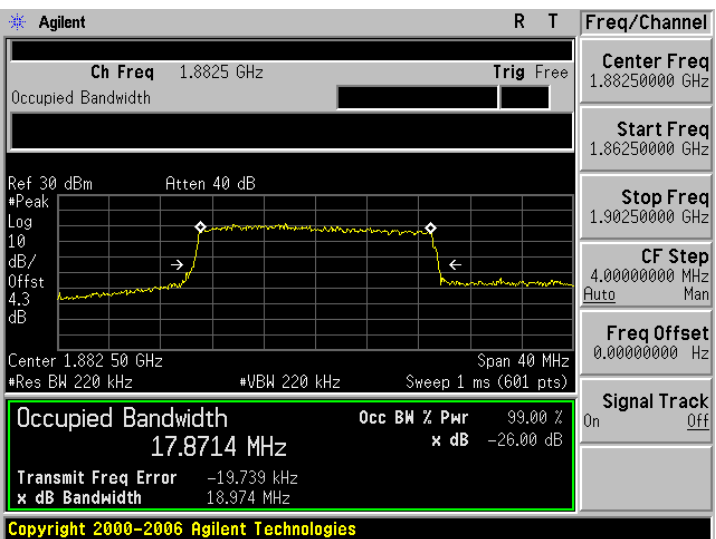
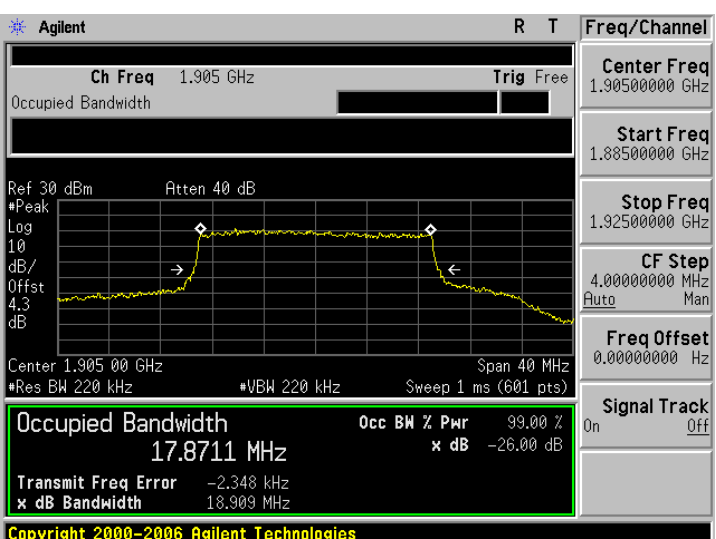
LTE Band 25 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1850.7 MHz	 Agilent R T Freq/Channel Ch Freq 1.8507 GHz Trig Free Center Freq 1.85070000 GHz Start Freq 1.84920000 GHz Stop Freq 1.85220000 GHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 4.3 dB Center 1.850 700 GHz Span 3 MHz #Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0761 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.372 kHz x dB Bandwidth 1.262 MHz Copyright 2000-2006 Agilent Technologies
1882.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8825 GHz Trig Free Center Freq 1.88250000 GHz Start Freq 1.88100000 GHz Stop Freq 1.88400000 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 1.882 500 GHz Span 3 MHz #Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0858 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.649 kHz x dB Bandwidth 1.236 MHz Copyright 2000-2006 Agilent Technologies
1914.3 MHz	 Agilent R T Freq/Channel Ch Freq 1.9143 GHz Trig Free Center Freq 1.91430000 GHz Start Freq 1.91280000 GHz Stop Freq 1.91580000 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 1.914 300 GHz Span 3 MHz #Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0792 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 748.565 Hz x dB Bandwidth 1.232 MHz Copyright 2000-2006 Agilent Technologies

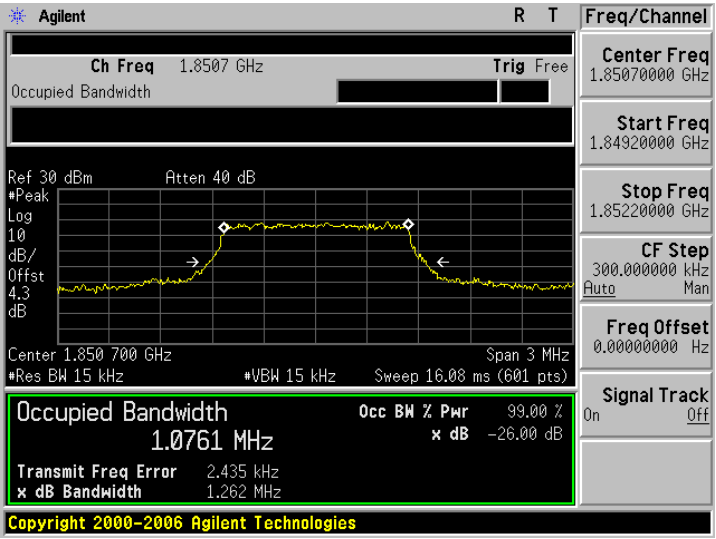
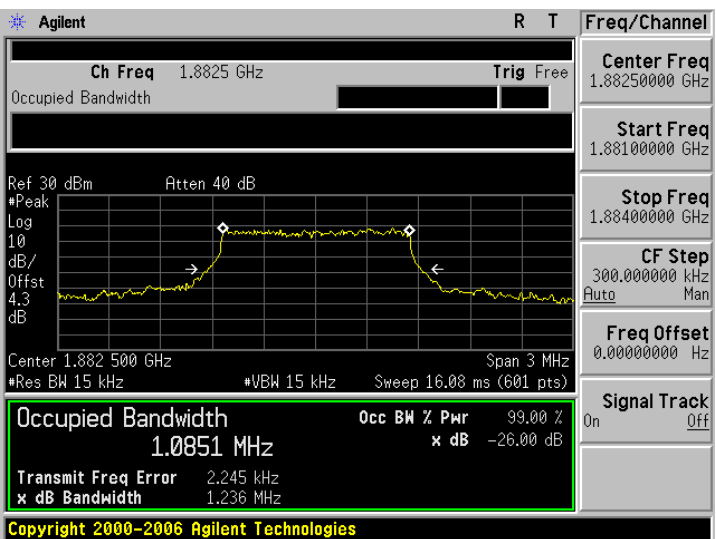
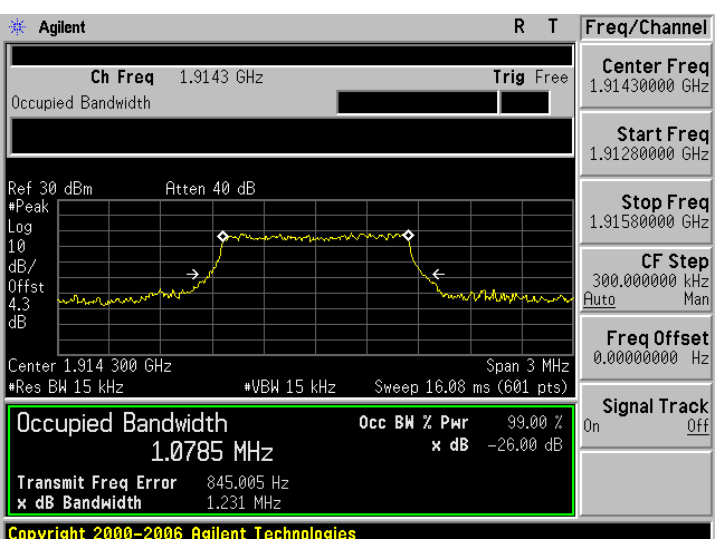
LTE Band 25 (Channel Bandwidth: 3 MHz) _ QPSK	
1852.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8515 GHz Trig Free Center Freq 1.85150000 GHz Start Freq 1.84850000 GHz Stop Freq 1.85450000 GHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 4.3 dB Center 1.851 500 GHz Span 6 MHz #Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6777 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 4.207 kHz x dB Bandwidth 2.945 MHz Copyright 2000-2006 Agilent Technologies
1882.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8825 GHz Trig Free Center Freq 1.88250000 GHz Start Freq 1.87950000 GHz Stop Freq 1.88550000 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 1.882 500 GHz 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 -1.711 kHz x dB Bandwidth 2.967 MHz Copyright 2000-2006 Agilent Technologies
1912.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.9135 GHz Trig Free Center Freq 1.91350000 GHz Start Freq 1.91050000 GHz Stop Freq 1.91650000 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 1.913 500 GHz Span 6 MHz #Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6836 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 6.083 kHz x dB Bandwidth 2.957 MHz Copyright 2000-2006 Agilent Technologies

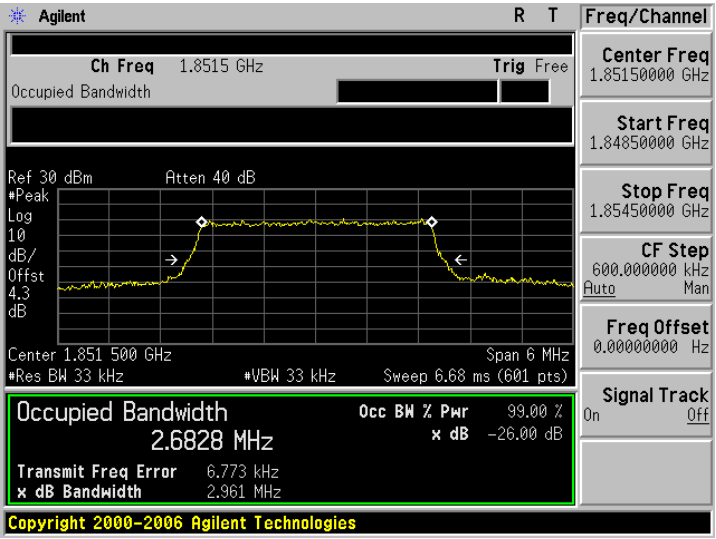
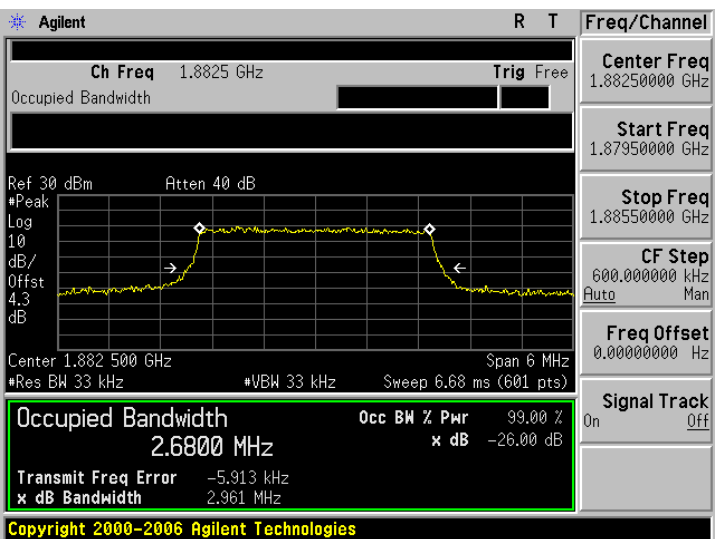
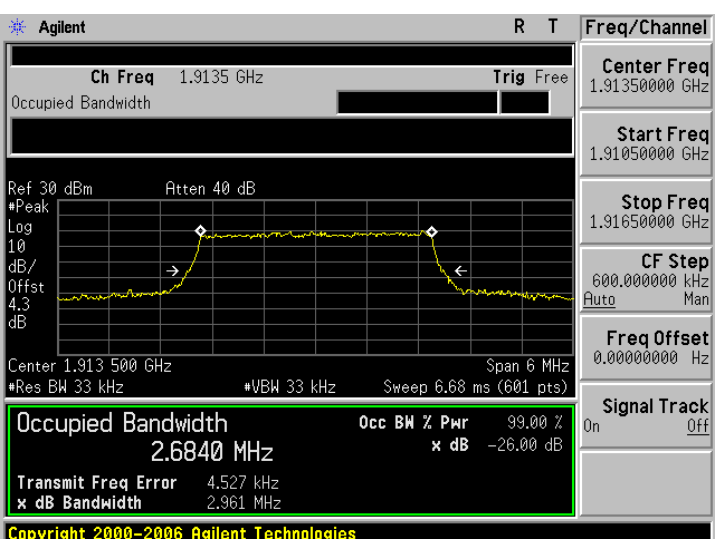
LTE Band 25 (Channel Bandwidth: 5 MHz) _ QPSK	
1851.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8525 GHz Trig Free Center Freq 1.85250000 GHz Start Freq 1.84750000 GHz Stop Freq 1.85750000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 4.3 dB Center 1.852 50 GHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4751 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 7.257 kHz x dB Bandwidth 4.895 MHz Copyright 2000-2006 Agilent Technologies
1882.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8825 GHz Trig Free Center Freq 1.88250000 GHz Start Freq 1.87750000 GHz Stop Freq 1.88750000 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 1.882 50 GHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4548 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -4.879 kHz x dB Bandwidth 4.911 MHz Copyright 2000-2006 Agilent Technologies
1913.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.9125 GHz Trig Free Center Freq 1.91250000 GHz Start Freq 1.90750000 GHz Stop Freq 1.91750000 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 1.912 50 GHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4593 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 11.213 kHz x dB Bandwidth 4.846 MHz Copyright 2000-2006 Agilent Technologies

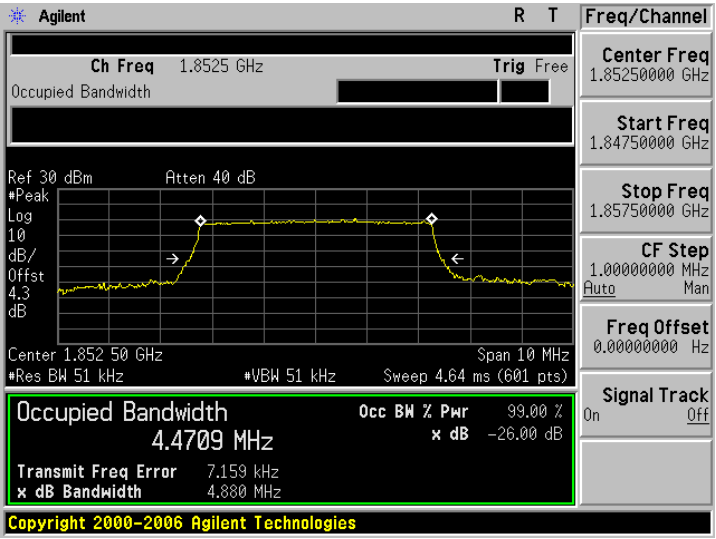
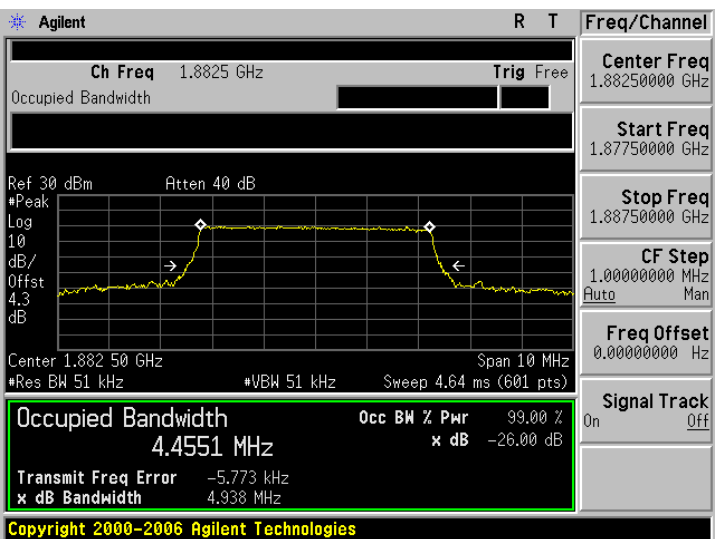
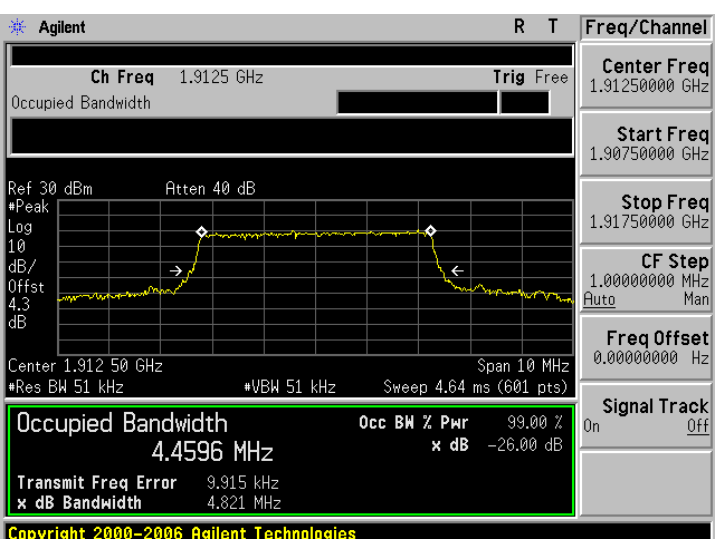
LTE Band 25 (Channel Bandwidth: 10 MHz) _ QPSK	
1855.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.855 GHz Trig Free Center Freq 1.85500000 GHz Start Freq 1.84500000 GHz Stop Freq 1.86500000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 4.3 dB Center 1.855 00 GHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9321 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -510.490 Hz x dB Bandwidth 9.591 MHz Copyright 2000-2006 Agilent Technologies
1882.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8825 GHz Trig Free Center Freq 1.88250000 GHz Start Freq 1.87250000 GHz Stop Freq 1.89250000 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 1.882 50 GHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9226 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -8.917 kHz x dB Bandwidth 9.651 MHz Copyright 2000-2006 Agilent Technologies
1910.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.91 GHz Trig Free Center Freq 1.91000000 GHz Start Freq 1.90000000 GHz Stop Freq 1.92000000 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 1.910 00 GHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9871 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 3.720 kHz x dB Bandwidth 9.799 MHz Copyright 2000-2006 Agilent Technologies

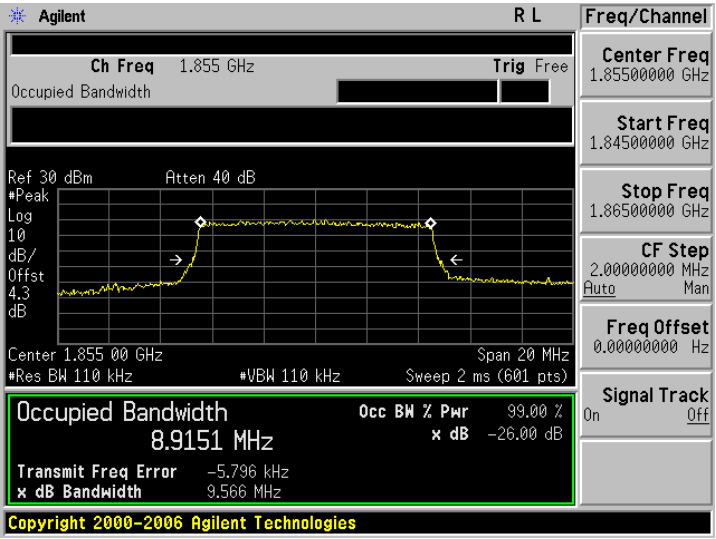
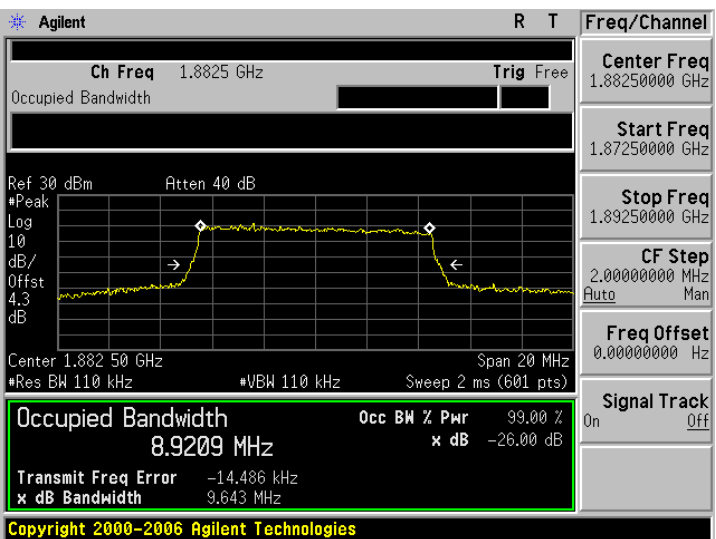
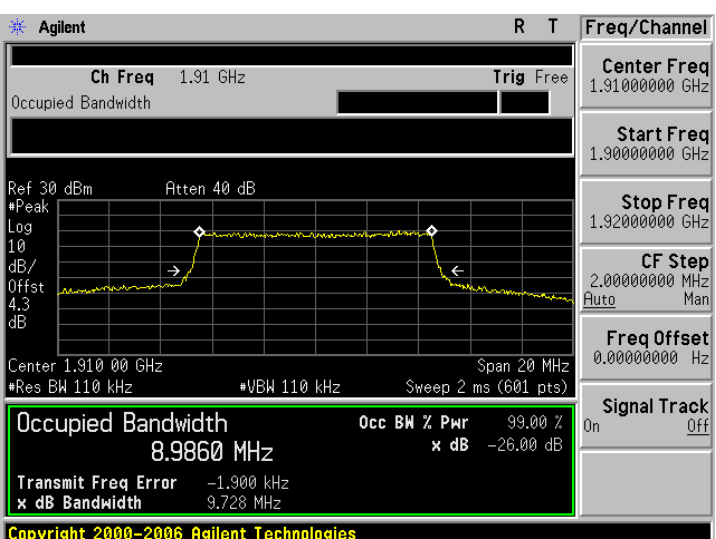
LTE Band 25 (Channel Bandwidth: 15 MHz) _ QPSK	
1857.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8575 GHz Trig Free Center Freq 1.85750000 GHz Start Freq 1.84250000 GHz Stop Freq 1.87250000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 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 13.3973 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -11.159 kHz x dB Bandwidth 14.409 MHz Copyright 2000-2006 Agilent Technologies
1882.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8825 GHz Trig Free Center Freq 1.88250000 GHz Start Freq 1.86750000 GHz Stop Freq 1.89750000 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 1.882 50 GHz Span 30 MHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.3450 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -33.650 kHz x dB Bandwidth 14.344 MHz Copyright 2000-2006 Agilent Technologies
1907.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.9075 GHz Trig Free Center Freq 1.90750000 GHz Start Freq 1.89250000 GHz Stop Freq 1.92250000 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 1.907 50 GHz Span 30 MHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4325 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -13.788 kHz x dB Bandwidth 14.549 MHz Copyright 2000-2006 Agilent Technologies

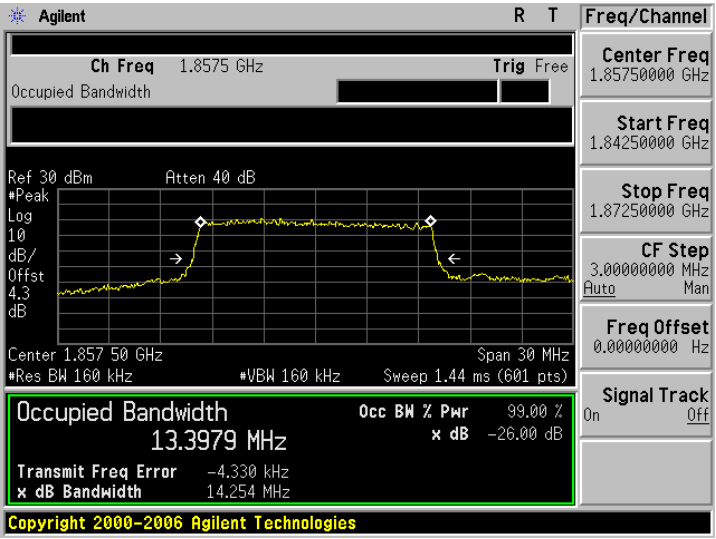
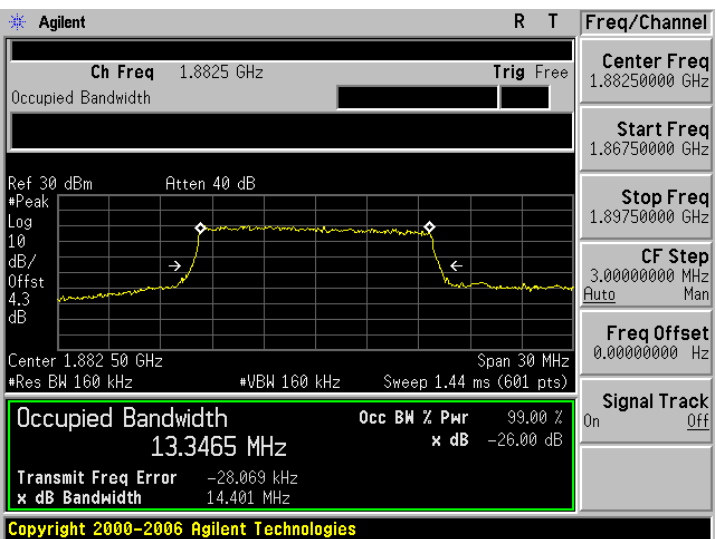
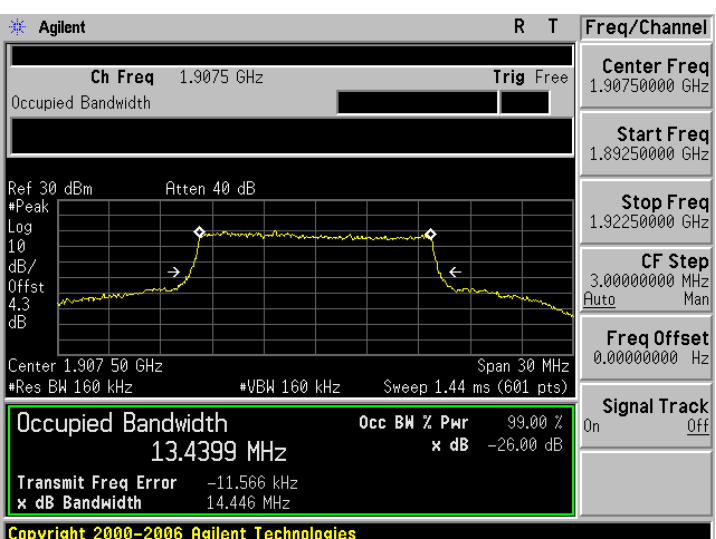
LTE Band 25 (Channel Bandwidth: 20 MHz) _ QPSK	
1860.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.86 GHz Trig Free Center Freq 1.86000000 GHz Start Freq 1.84000000 GHz Stop Freq 1.88000000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 4.3 dB Center 1.860 00 GHz Span 40 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8485 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.021 kHz x dB Bandwidth 19.148 MHz Copyright 2000-2006 Agilent Technologies
1882.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8825 GHz Trig Free Center Freq 1.88250000 GHz Start Freq 1.86250000 GHz Stop Freq 1.90250000 GHz CF Step 4.00000000 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 1.882 50 GHz Span 40 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8714 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -19.739 kHz x dB Bandwidth 18.974 MHz Copyright 2000-2006 Agilent Technologies
1905.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.905 GHz Trig Free Center Freq 1.90500000 GHz Start Freq 1.88500000 GHz Stop Freq 1.92500000 GHz CF Step 4.00000000 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 1.905 00 GHz Span 40 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8711 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -2.348 kHz x dB Bandwidth 18.909 MHz Copyright 2000-2006 Agilent Technologies

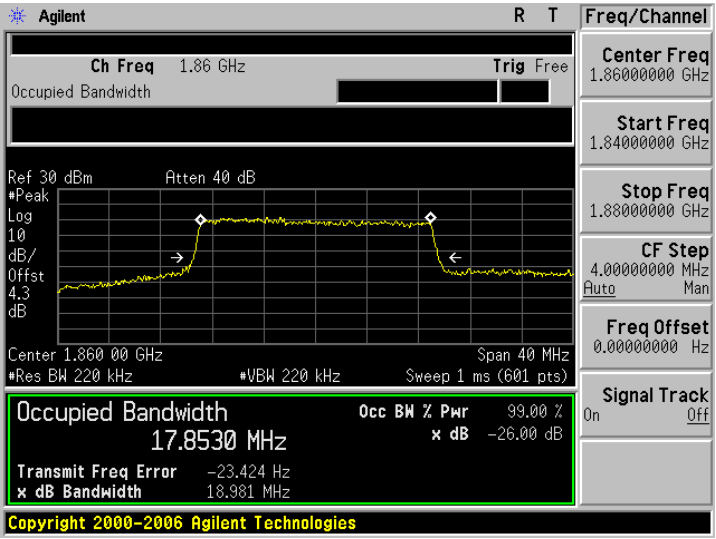
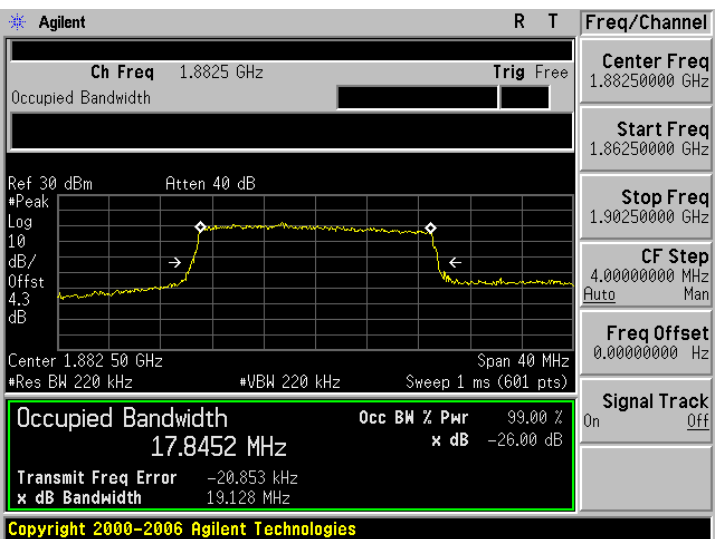
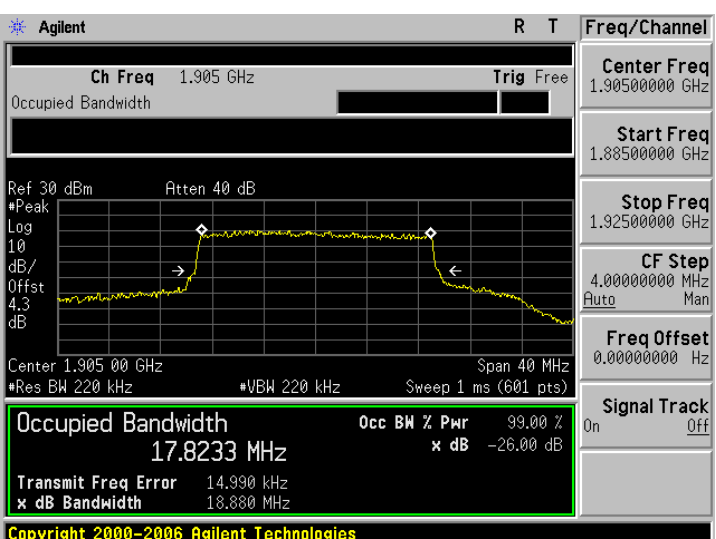
LTE Band 25 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1851.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8507 GHz Trig Free Center Freq 1.85070000 GHz Start Freq 1.84920000 GHz Stop Freq 1.85220000 GHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 4.3 dB Center 1.850 700 GHz Span 3 MHz #Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0761 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.435 kHz x dB Bandwidth 1.262 MHz Copyright 2000-2006 Agilent Technologies
1882.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8825 GHz Trig Free Center Freq 1.88250000 GHz Start Freq 1.88100000 GHz Stop Freq 1.88400000 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 1.882 500 GHz Span 3 MHz #Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0851 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.245 kHz x dB Bandwidth 1.236 MHz Copyright 2000-2006 Agilent Technologies
1913.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.9143 GHz Trig Free Center Freq 1.91430000 GHz Start Freq 1.91280000 GHz Stop Freq 1.91580000 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 1.914 300 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 845.005 Hz x dB Bandwidth 1.231 MHz Copyright 2000-2006 Agilent Technologies

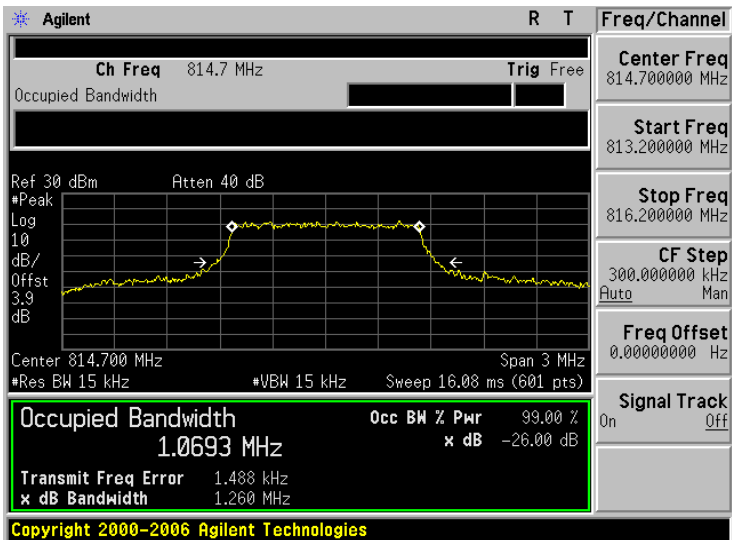
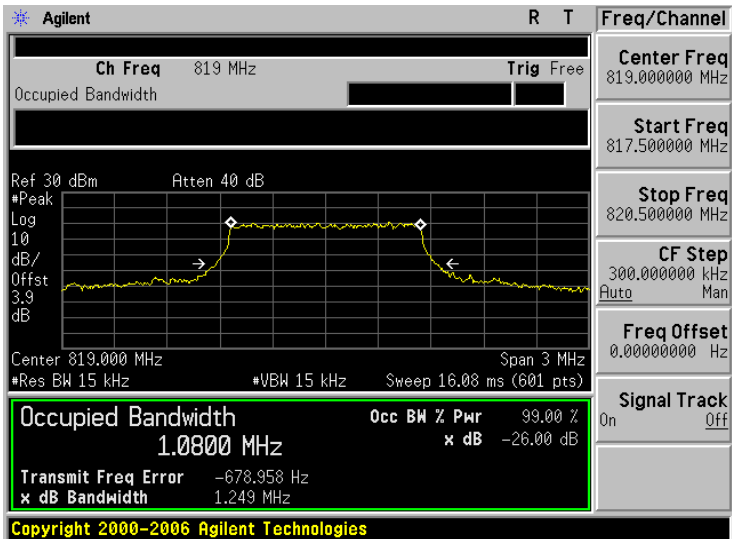
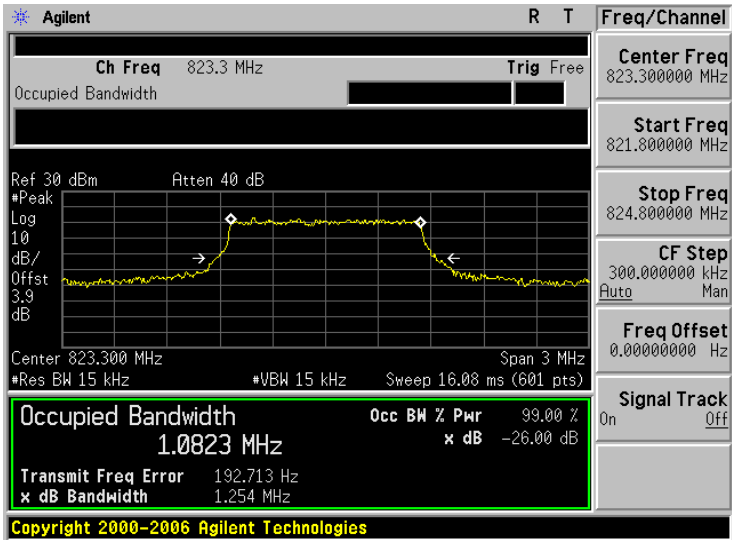
LTE Band 25 (Channel Bandwidth: 3 MHz) _ 16QAM	
1850.7 MHz	 Agilent R T Freq/Channel Ch Freq 1.8515 GHz Trig Free Center Freq 1.85150000 GHz Start Freq 1.84850000 GHz Stop Freq 1.85450000 GHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 4.3 dB Center 1.851 500 GHz Span 6 MHz #Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6828 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 6.773 kHz x dB Bandwidth 2.961 MHz Copyright 2000-2006 Agilent Technologies
1882.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8825 GHz Trig Free Center Freq 1.88250000 GHz Start Freq 1.87950000 GHz Stop Freq 1.88550000 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 1.882 500 GHz Span 6 MHz #Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6800 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -5.913 kHz x dB Bandwidth 2.961 MHz Copyright 2000-2006 Agilent Technologies
1914.3 MHz	 Agilent R T Freq/Channel Ch Freq 1.9135 GHz Trig Free Center Freq 1.91350000 GHz Start Freq 1.91050000 GHz Stop Freq 1.91650000 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 1.913 500 GHz Span 6 MHz #Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6840 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 4.527 kHz x dB Bandwidth 2.961 MHz Copyright 2000-2006 Agilent Technologies

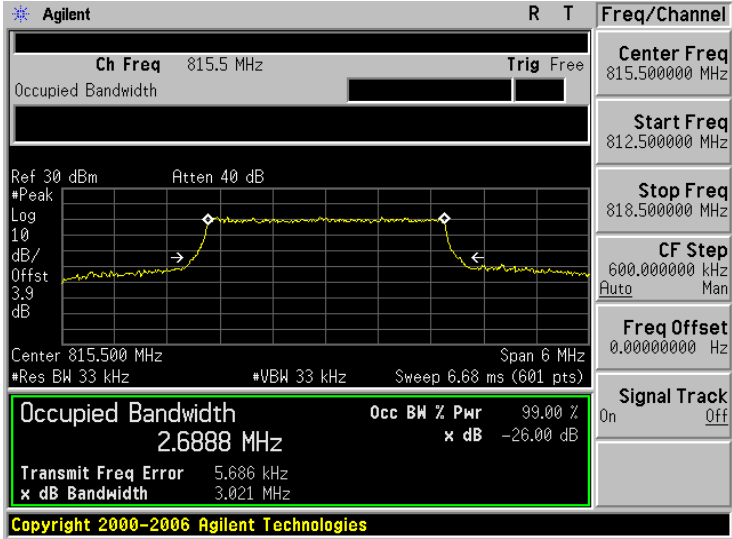
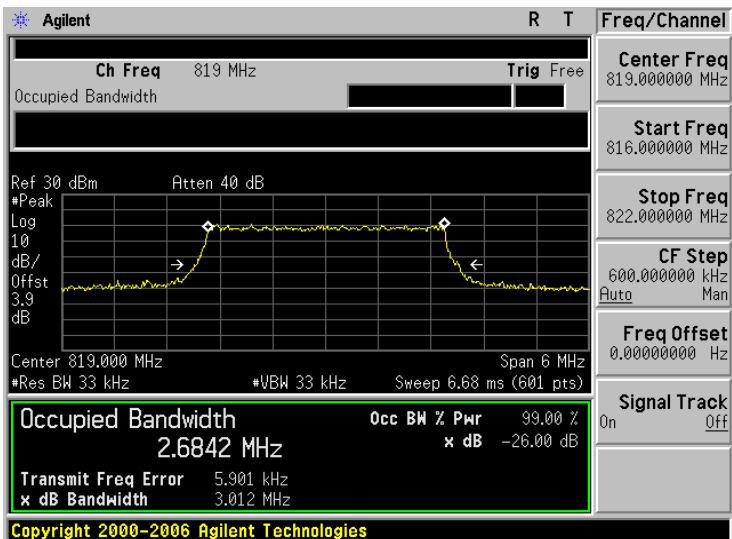
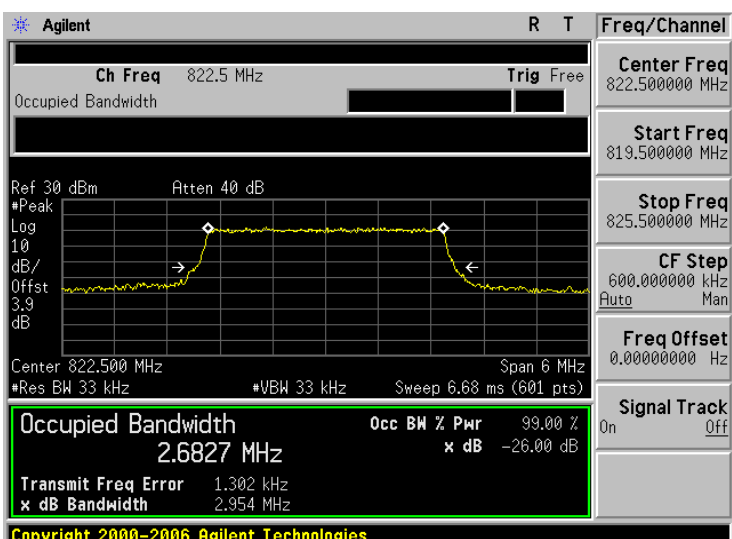
LTE Band 25 (Channel Bandwidth: 5 MHz) _ 16QAM	
1852.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8525 GHz Trig Free Center Freq 1.85250000 GHz Start Freq 1.84750000 GHz Stop Freq 1.85750000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 4.3 dB Center 1.852 50 GHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4709 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 7.159 kHz x dB Bandwidth 4.880 MHz Copyright 2000-2006 Agilent Technologies
1882.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8825 GHz Trig Free Center Freq 1.88250000 GHz Start Freq 1.87750000 GHz Stop Freq 1.88750000 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 1.882 50 GHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4551 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -5.773 kHz x dB Bandwidth 4.938 MHz Copyright 2000-2006 Agilent Technologies
1912.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.9125 GHz Trig Free Center Freq 1.91250000 GHz Start Freq 1.90750000 GHz Stop Freq 1.91750000 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 1.912 50 GHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4596 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 9.915 kHz x dB Bandwidth 4.821 MHz Copyright 2000-2006 Agilent Technologies

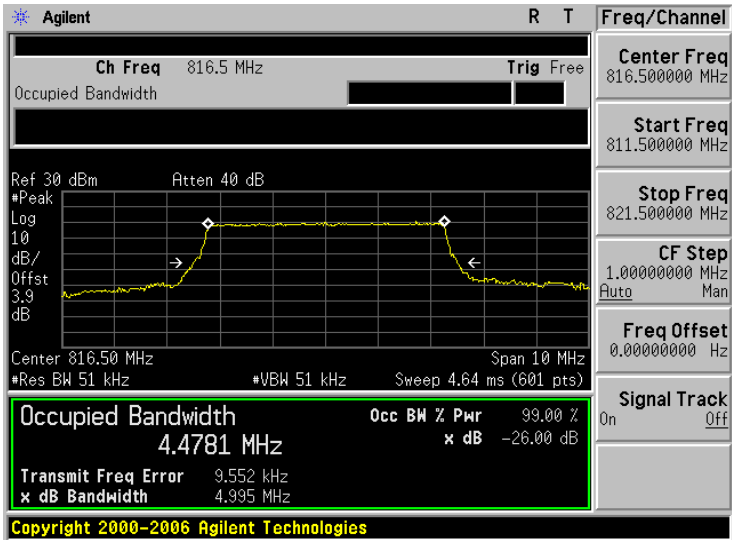
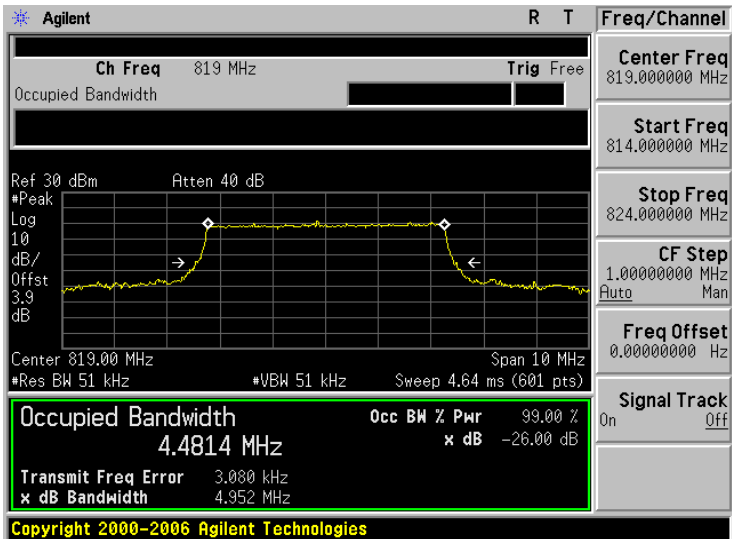
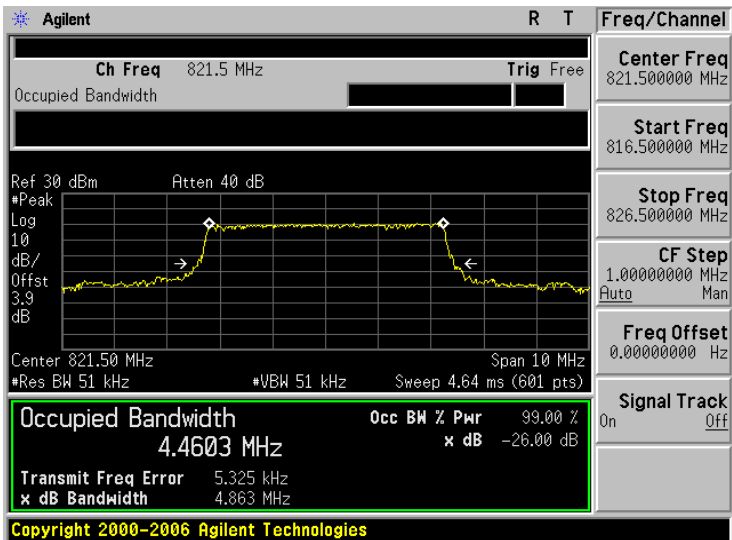
LTE Band 25 (Channel Bandwidth: 10 MHz) _ 16QAM	
1855.0 MHz	 Agilent R L Freq/Channel Ch Freq 1.855 GHz Trig Free Center Freq 1.85500000 GHz Start Freq 1.84500000 GHz Stop Freq 1.86500000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB *Peak Log 10 dB/Offst 4.3 dB Center 1.855 00 GHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9151 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -5.796 kHz x dB Bandwidth 9.566 MHz Copyright 2000-2006 Agilent Technologies
1882.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8825 GHz Trig Free Center Freq 1.88250000 GHz Start Freq 1.87250000 GHz Stop Freq 1.89250000 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 1.882 50 GHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9209 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -14.486 kHz x dB Bandwidth 9.643 MHz Copyright 2000-2006 Agilent Technologies
1910.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.91 GHz Trig Free Center Freq 1.91000000 GHz Start Freq 1.90000000 GHz Stop Freq 1.92000000 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 1.910 00 GHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9860 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.900 kHz x dB Bandwidth 9.728 MHz Copyright 2000-2006 Agilent Technologies

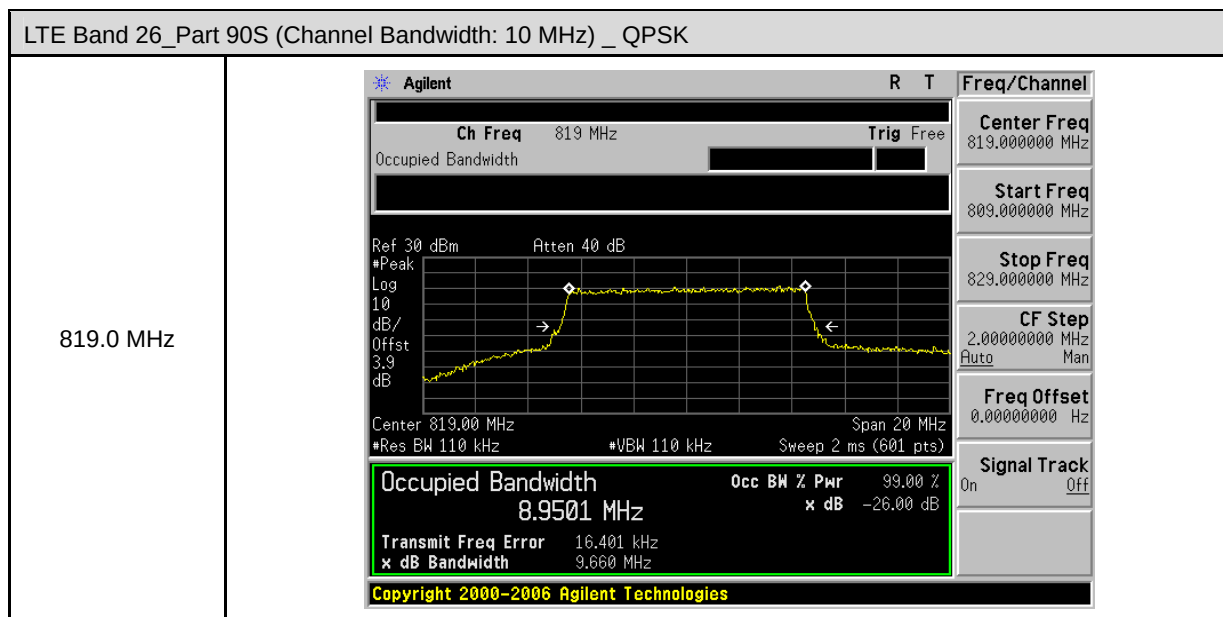
LTE Band 25 (Channel Bandwidth: 15 MHz) _ 16QAM	
1857.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8575 GHz Trig Free Center Freq 1.85750000 GHz Start Freq 1.84250000 GHz Stop Freq 1.87250000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 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 13.3979 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -4.330 kHz x dB Bandwidth 14.254 MHz Copyright 2000-2006 Agilent Technologies
1882.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8825 GHz Trig Free Center Freq 1.88250000 GHz Start Freq 1.86750000 GHz Stop Freq 1.89750000 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 1.882 50 GHz Span 30 MHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.3465 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -28.060 kHz x dB Bandwidth 14.401 MHz Copyright 2000-2006 Agilent Technologies
1907.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.9075 GHz Trig Free Center Freq 1.90750000 GHz Start Freq 1.89250000 GHz Stop Freq 1.92250000 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 1.907 50 GHz Span 30 MHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4399 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -11.566 kHz x dB Bandwidth 14.446 MHz Copyright 2000-2006 Agilent Technologies

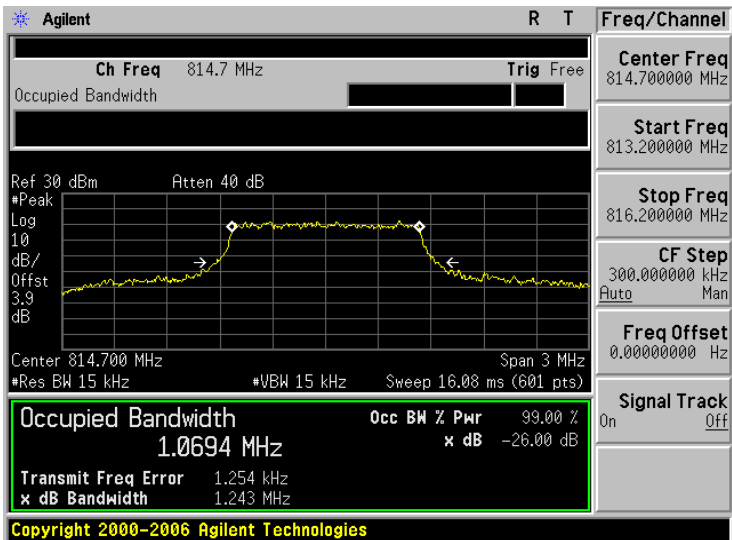
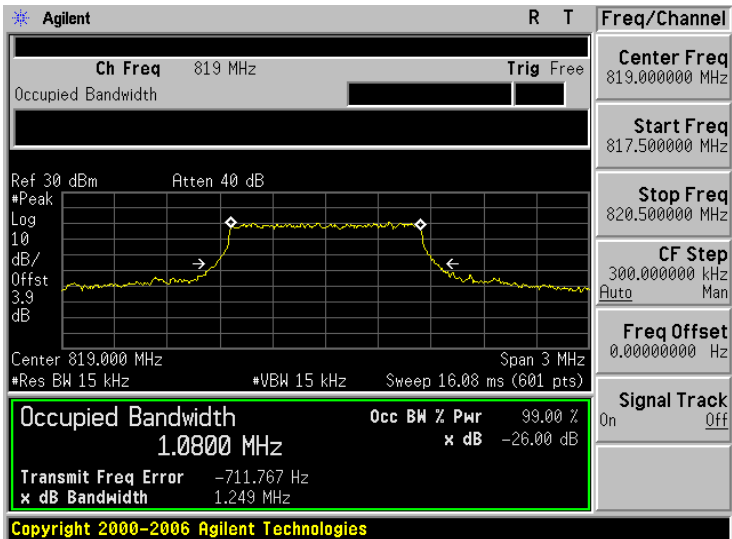
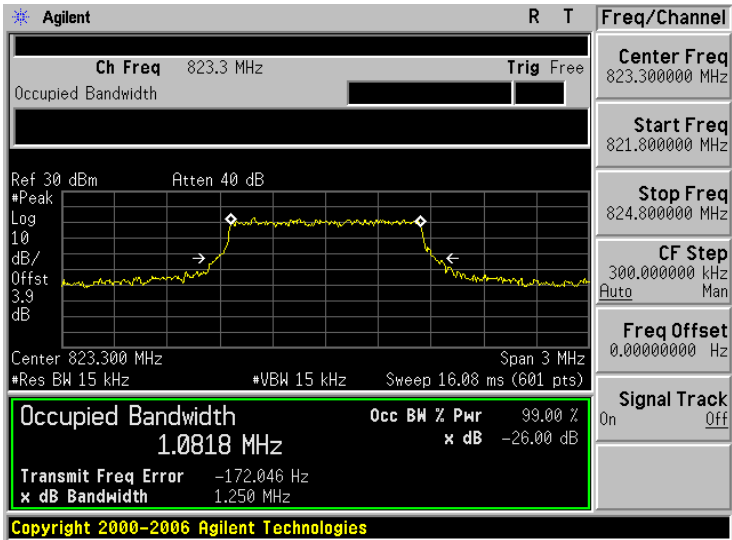
LTE Band 25 (Channel Bandwidth: 20 MHz) _ 16QAM	
1860.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.86 GHz Trig Free Center Freq 1.86000000 GHz Start Freq 1.84000000 GHz Stop Freq 1.88000000 GHz CF Step 4.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 4.3 dB Center 1.860 00 GHz Span 40 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8530 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -23.424 Hz x dB Bandwidth 18.981 MHz Copyright 2000-2006 Agilent Technologies
1882.5 MHz	 Agilent R T Freq/Channel Ch Freq 1.8825 GHz Trig Free Center Freq 1.88250000 GHz Start Freq 1.86250000 GHz Stop Freq 1.90250000 GHz CF Step 4.00000000 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 1.882 50 GHz Span 40 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8452 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -20.853 kHz x dB Bandwidth 19.128 MHz Copyright 2000-2006 Agilent Technologies
1905.0 MHz	 Agilent R T Freq/Channel Ch Freq 1.905 GHz Trig Free Center Freq 1.90500000 GHz Start Freq 1.88500000 GHz Stop Freq 1.92500000 GHz CF Step 4.00000000 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 1.905 00 GHz Span 40 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8233 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 14.990 kHz x dB Bandwidth 18.880 MHz Copyright 2000-2006 Agilent Technologies

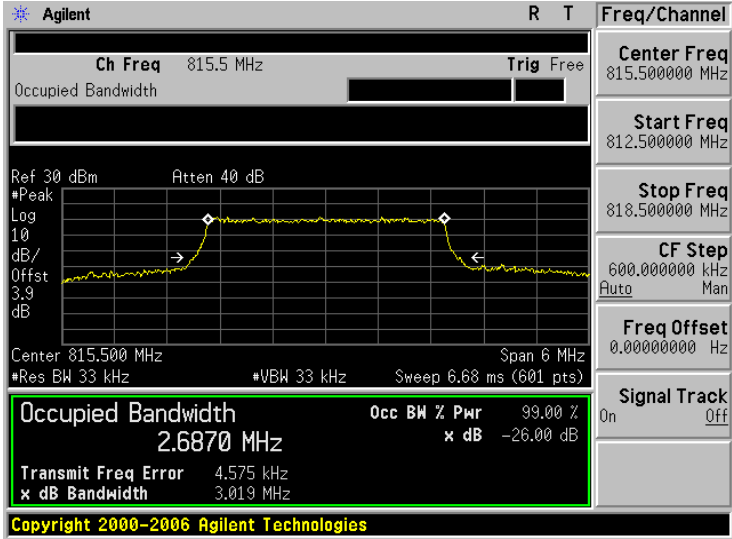
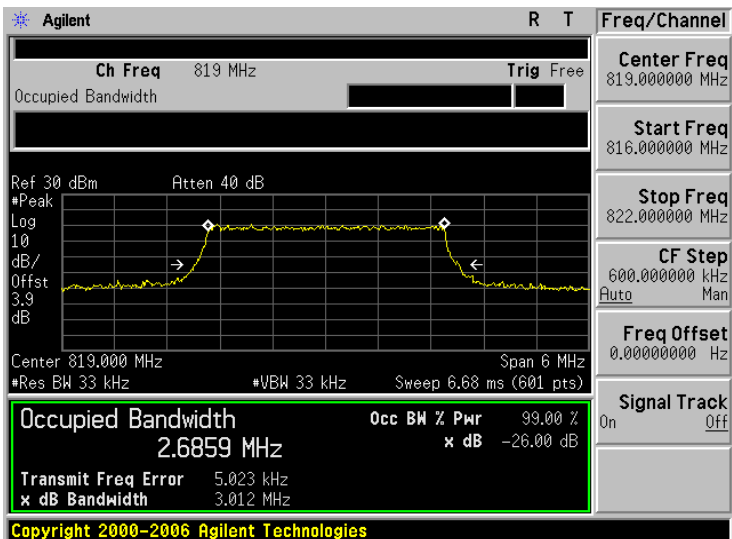
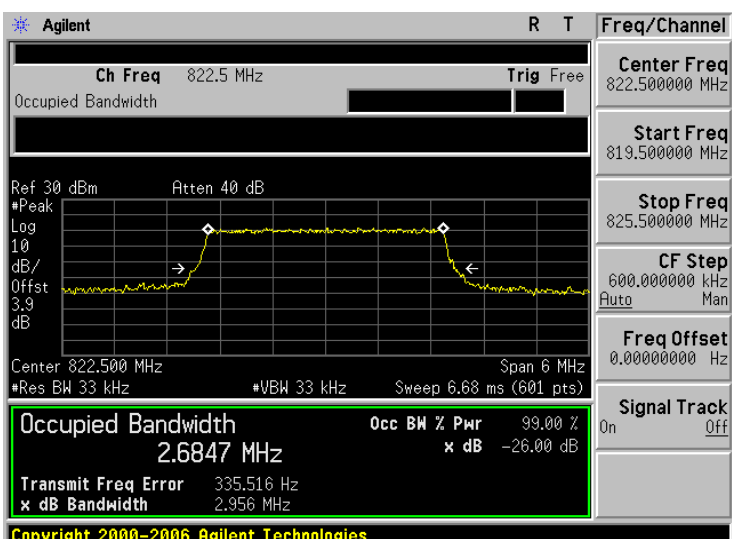
LTE Band 26_Part 90S (Channel Bandwidth: 1.4 MHz) _ QPSK	
814.7 MHz	 Agilent R T Freq/Channel Ch Freq 814.7 MHz Trig Free Center Freq 814.700000 MHz Start Freq 813.200000 MHz Stop Freq 816.200000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 3.9 dB Center 814.700 MHz Span 3 MHz #Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0693 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.488 kHz x dB Bandwidth 1.260 MHz Copyright 2000-2006 Agilent Technologies
819.0 MHz	 Agilent R T Freq/Channel Ch Freq 819 MHz Trig Free Center Freq 819.000000 MHz Start Freq 817.500000 MHz Stop Freq 820.500000 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 819.000 MHz Span 3 MHz #Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0800 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -678.958 Hz x dB Bandwidth 1.249 MHz Copyright 2000-2006 Agilent Technologies
823.3 MHz	 Agilent R T Freq/Channel Ch Freq 823.3 MHz Trig Free Center Freq 823.300000 MHz Start Freq 821.800000 MHz Stop Freq 824.800000 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 823.300 MHz Span 3 MHz #Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0823 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 192.713 Hz x dB Bandwidth 1.254 MHz Copyright 2000-2006 Agilent Technologies

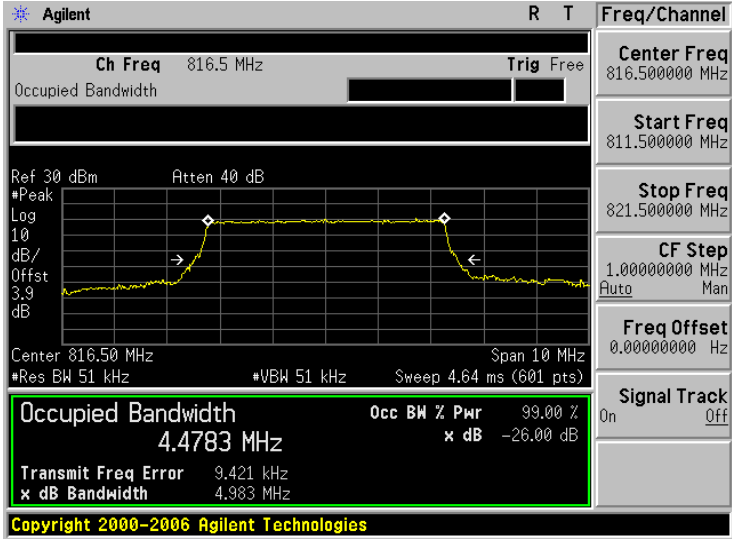
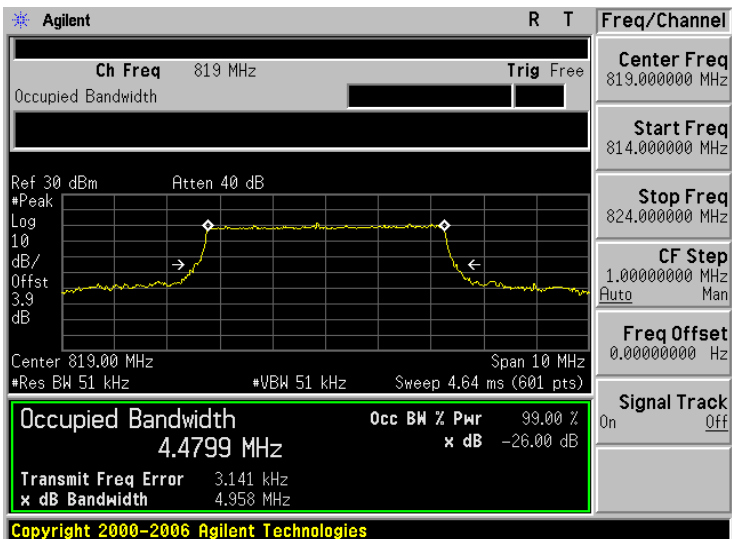
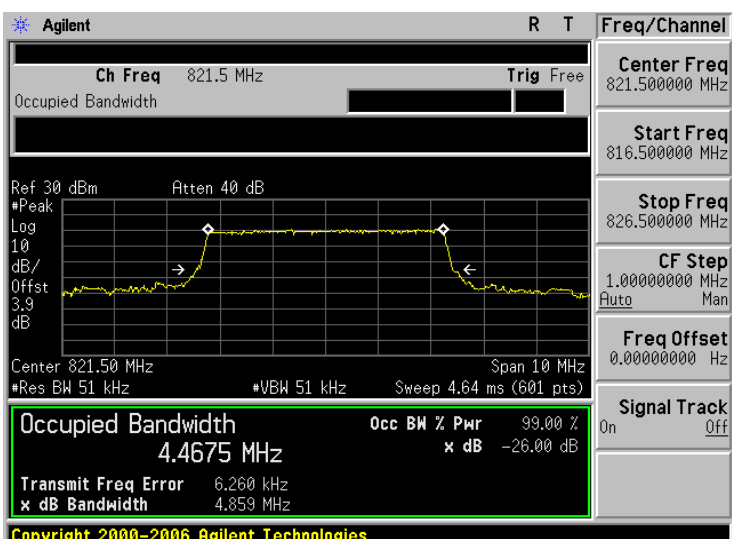
LTE Band 26_Part 90S (Channel Bandwidth: 3 MHz) _ QPSK	
815.5 MHz	 Agilent R T Freq/Channel Ch Freq 815.5 MHz Trig Free Center Freq 815.500000 MHz Start Freq 812.500000 MHz Stop Freq 818.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 3.9 dB Center 815.500 MHz Span 6 MHz #Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6888 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 5.686 kHz x dB Bandwidth 3.021 MHz Copyright 2000-2006 Agilent Technologies
819.0 MHz	 Agilent R T Freq/Channel Ch Freq 819 MHz Trig Free Center Freq 819.000000 MHz Start Freq 816.000000 MHz Stop Freq 822.000000 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 819.000 MHz Span 6 MHz #Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6842 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 5.901 kHz x dB Bandwidth 3.012 MHz Copyright 2000-2006 Agilent Technologies
822.5 MHz	 Agilent R T Freq/Channel Ch Freq 822.5 MHz Trig Free Center Freq 822.500000 MHz Start Freq 819.500000 MHz Stop Freq 825.500000 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 822.500 MHz Span 6 MHz #Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6827 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.302 kHz x dB Bandwidth 2.954 MHz Copyright 2000-2006 Agilent Technologies

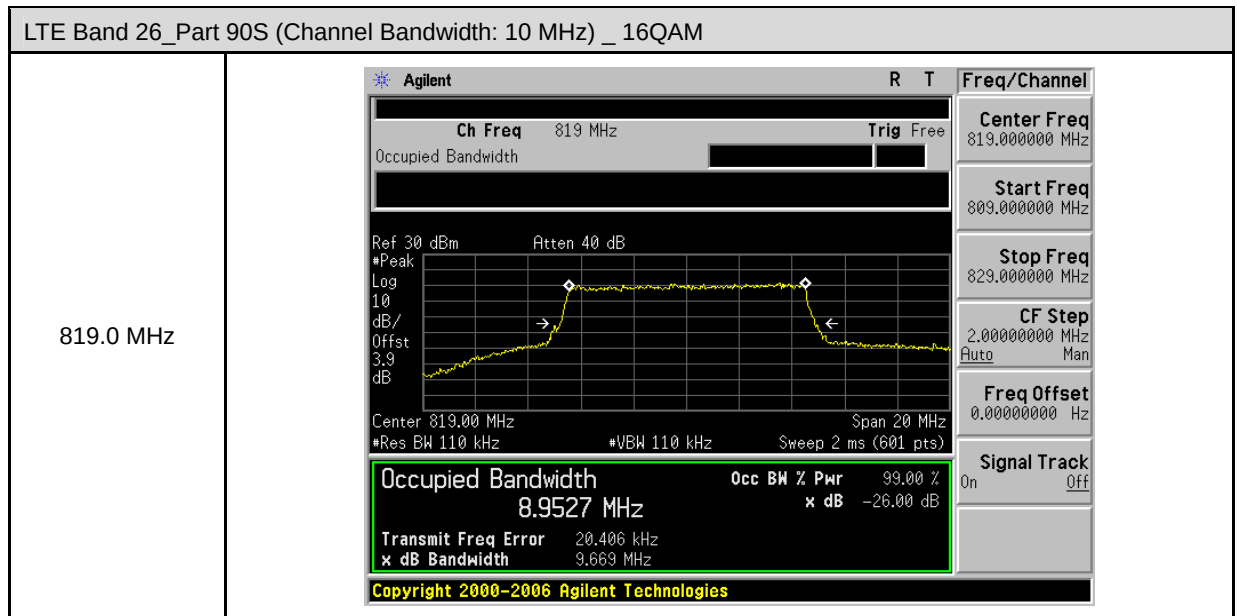
LTE Band 26_Part 90S (Channel Bandwidth: 5 MHz) _ QPSK	
816.5 MHz	 Agilent R T Freq/Channel Ch Freq 816.5 MHz Trig Free Center Freq 816.500000 MHz Start Freq 811.500000 MHz Stop Freq 821.500000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 3.9 dB Center 816.50 MHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4781 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 9.552 kHz x dB Bandwidth 4.995 MHz Copyright 2000-2006 Agilent Technologies
819.0 MHz	 Agilent R T Freq/Channel Ch Freq 819 MHz Trig Free Center Freq 819.000000 MHz Start Freq 814.000000 MHz Stop Freq 824.000000 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 819.00 MHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4814 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 3.080 kHz x dB Bandwidth 4.952 MHz Copyright 2000-2006 Agilent Technologies
821.5 MHz	 Agilent R T Freq/Channel Ch Freq 821.5 MHz Trig Free Center Freq 821.500000 MHz Start Freq 816.500000 MHz Stop Freq 826.500000 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 821.50 MHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4603 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 5.325 kHz x dB Bandwidth 4.863 MHz Copyright 2000-2006 Agilent Technologies



LTE Band 26_Part 90S (Channel Bandwidth: 1.4 MHz) _ 16QAM	
814.7 MHz	 Agilent R T Freq/Channel Ch Freq 814.7 MHz Trig Free Center Freq 814.700000 MHz Start Freq 813.200000 MHz Stop Freq 816.200000 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 814.700 MHz Span 3 MHz #Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0694 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.254 kHz x dB Bandwidth 1.243 MHz Copyright 2000-2006 Agilent Technologies
819.0 MHz	 Agilent R T Freq/Channel Ch Freq 819 MHz Trig Free Center Freq 819.000000 MHz Start Freq 817.500000 MHz Stop Freq 820.500000 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 819.000 MHz Span 3 MHz #Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0800 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -711.767 Hz x dB Bandwidth 1.249 MHz Copyright 2000-2006 Agilent Technologies
823.3 MHz	 Agilent R T Freq/Channel Ch Freq 823.3 MHz Trig Free Center Freq 823.300000 MHz Start Freq 821.800000 MHz Stop Freq 824.800000 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 823.300 MHz Span 3 MHz #Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0818 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -172.046 Hz x dB Bandwidth 1.250 MHz Copyright 2000-2006 Agilent Technologies

LTE Band 26_Part 90S (Channel Bandwidth: 3 MHz) _ 16QAM	
815.5 MHz	 Agilent R T Freq/Channel Ch Freq 815.5 MHz Trig Free Center Freq 815.500000 MHz Start Freq 812.500000 MHz Stop Freq 818.500000 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 815.500 MHz Span 6 MHz #Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6870 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 4.575 kHz x dB Bandwidth 3.019 MHz Copyright 2000-2006 Agilent Technologies
819.0 MHz	 Agilent R T Freq/Channel Ch Freq 819 MHz Trig Free Center Freq 819.000000 MHz Start Freq 816.000000 MHz Stop Freq 822.000000 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 819.000 MHz Span 6 MHz #Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6859 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 5.023 kHz x dB Bandwidth 3.012 MHz Copyright 2000-2006 Agilent Technologies
822.5 MHz	 Agilent R T Freq/Channel Ch Freq 822.5 MHz Trig Free Center Freq 822.500000 MHz Start Freq 819.500000 MHz Stop Freq 825.500000 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 822.500 MHz Span 6 MHz #Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6847 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 335.516 Hz x dB Bandwidth 2.956 MHz Copyright 2000-2006 Agilent Technologies

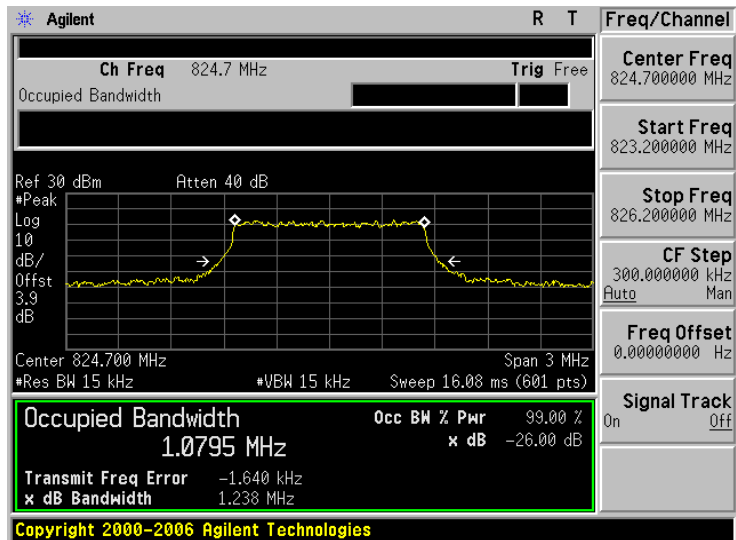
LTE Band 26_Part 90S (Channel Bandwidth: 5 MHz) _ 16QAM	
816.5 MHz	 Agilent R T Freq/Channel Ch Freq 816.5 MHz Trig Free Center Freq 816.500000 MHz Start Freq 811.500000 MHz Stop Freq 821.500000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/ Offst 3.9 dB Center 816.50 MHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4783 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 9.421 kHz x dB Bandwidth 4.983 MHz Copyright 2000-2006 Agilent Technologies
819.0 MHz	 Agilent R T Freq/Channel Ch Freq 819 MHz Trig Free Center Freq 819.000000 MHz Start Freq 814.000000 MHz Stop Freq 824.000000 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 819.00 MHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4799 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 3.141 kHz x dB Bandwidth 4.958 MHz Copyright 2000-2006 Agilent Technologies
821.5 MHz	 Agilent R T Freq/Channel Ch Freq 821.5 MHz Trig Free Center Freq 821.500000 MHz Start Freq 816.500000 MHz Stop Freq 826.500000 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 821.50 MHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4675 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 6.260 kHz x dB Bandwidth 4.859 MHz Copyright 2000-2006 Agilent Technologies



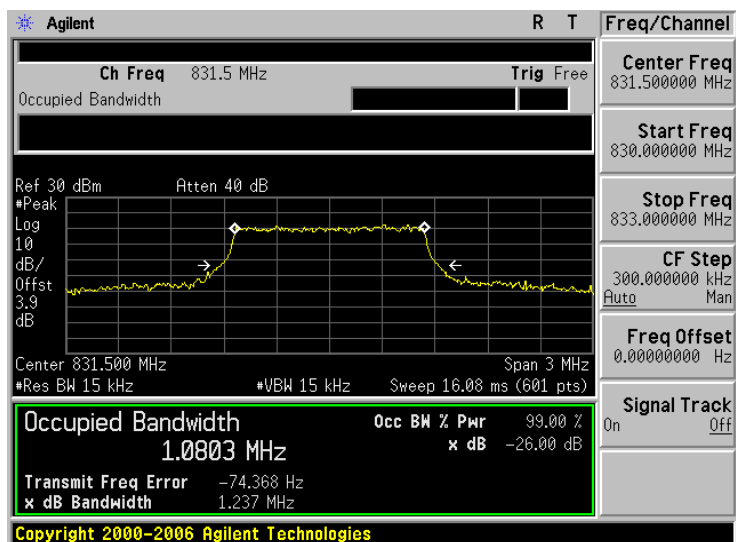


LTE Band 26_Part 22H (Channel Bandwidth: 1.4 MHz) _ QPSK

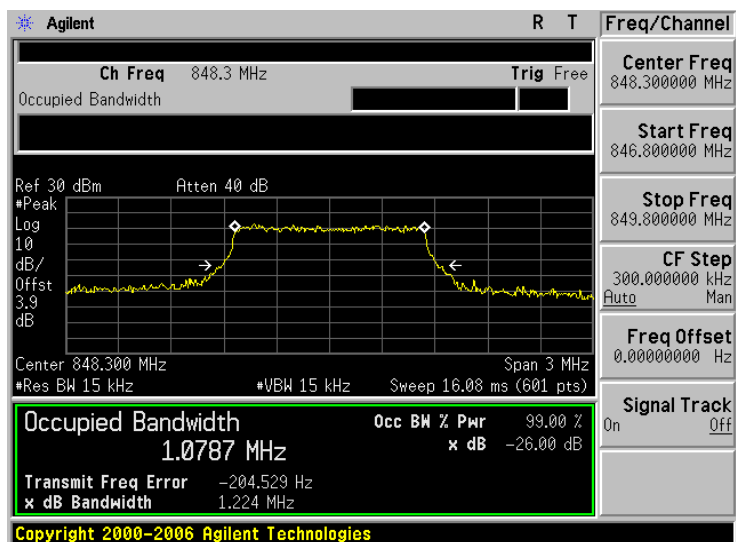
824.7 MHz

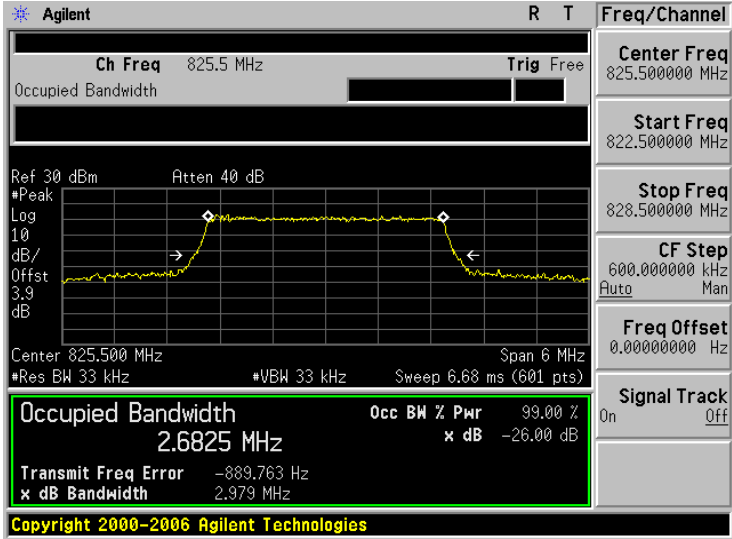
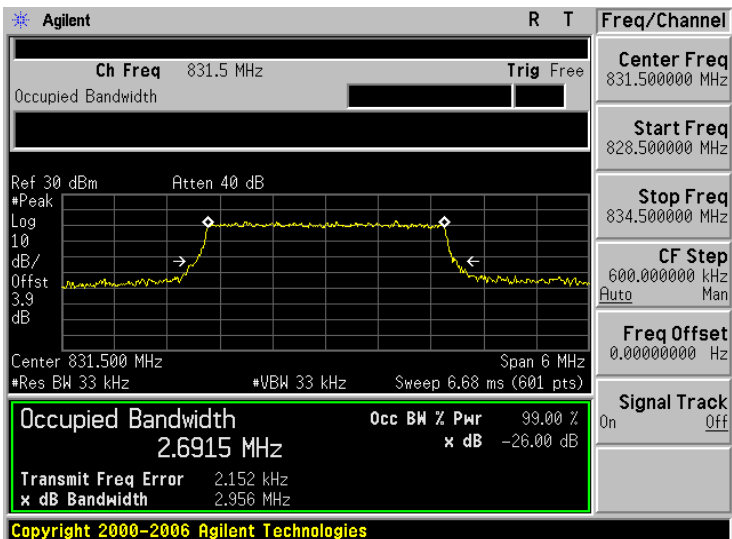
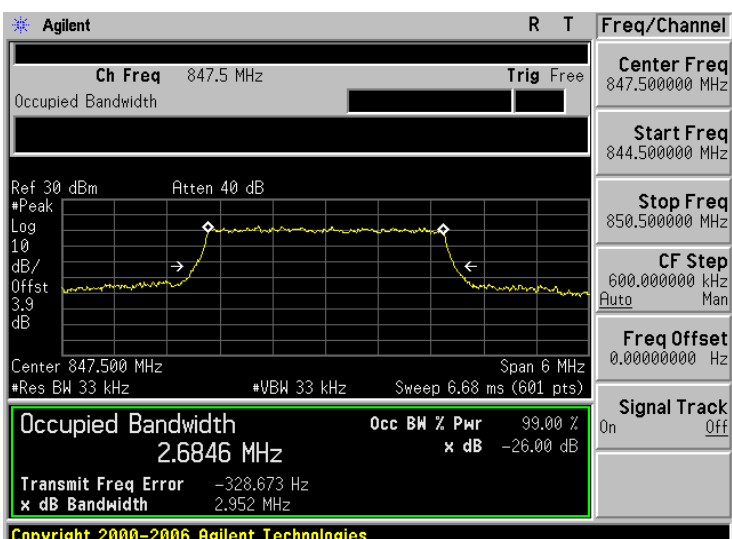


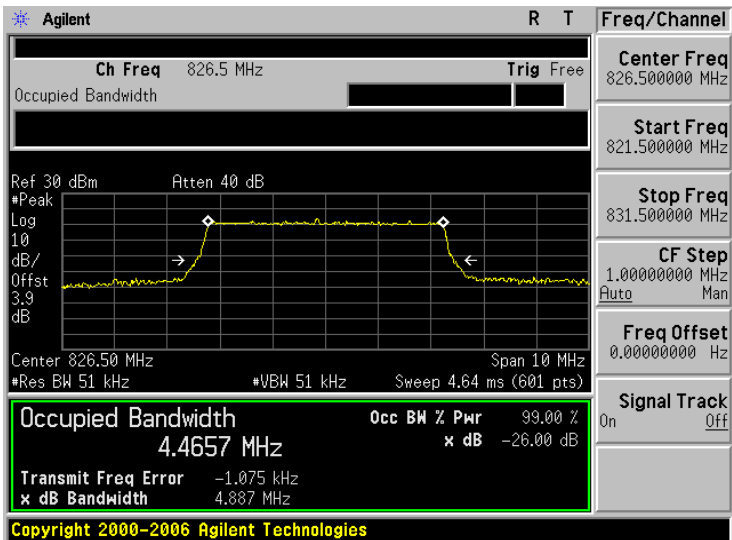
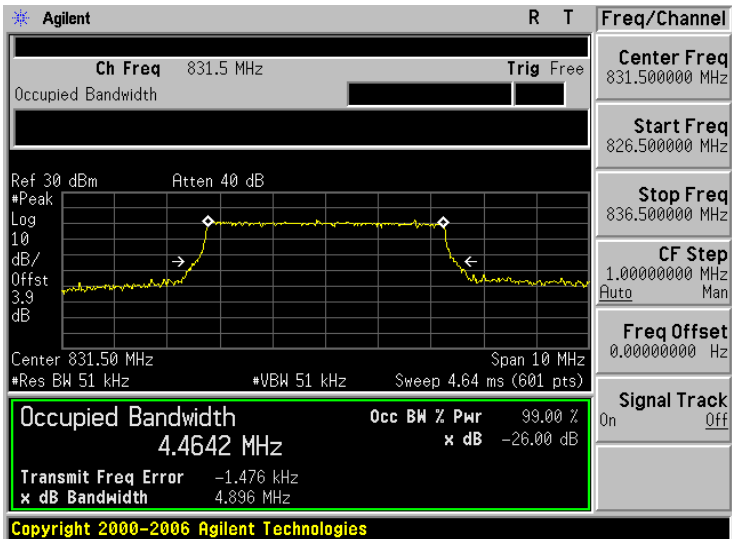
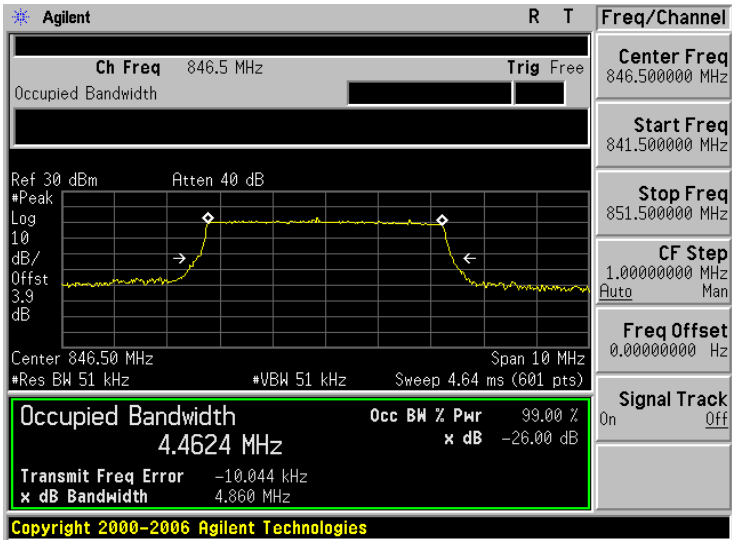
831.5 MHz

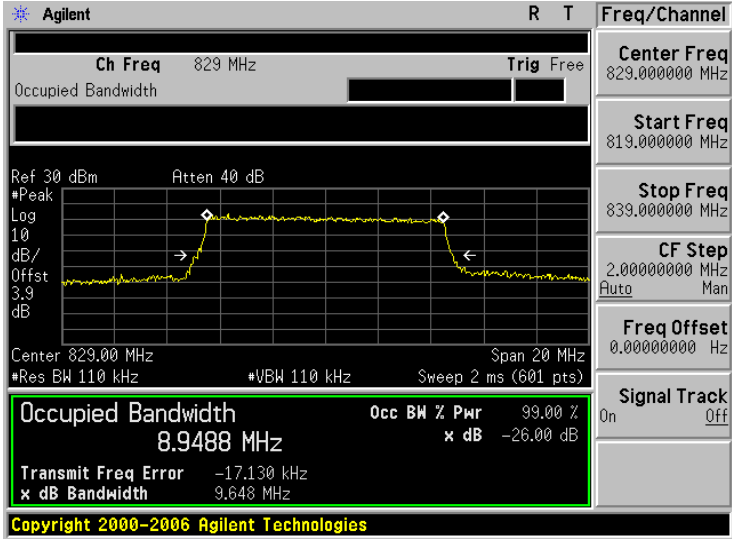
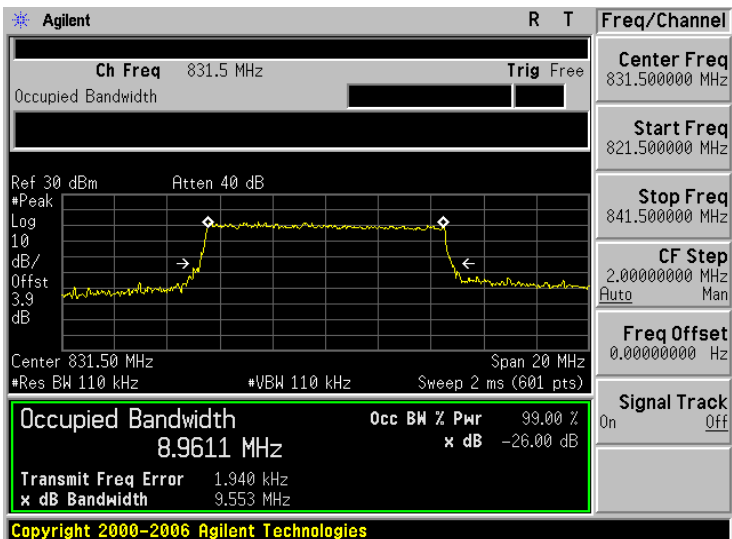
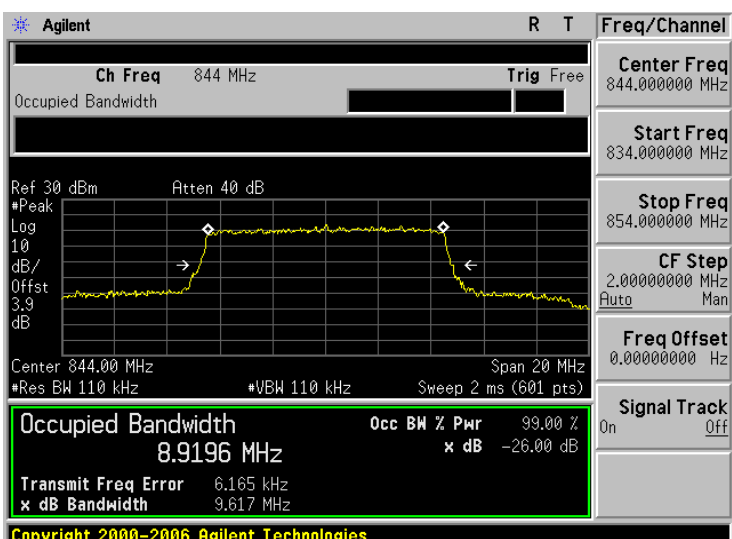


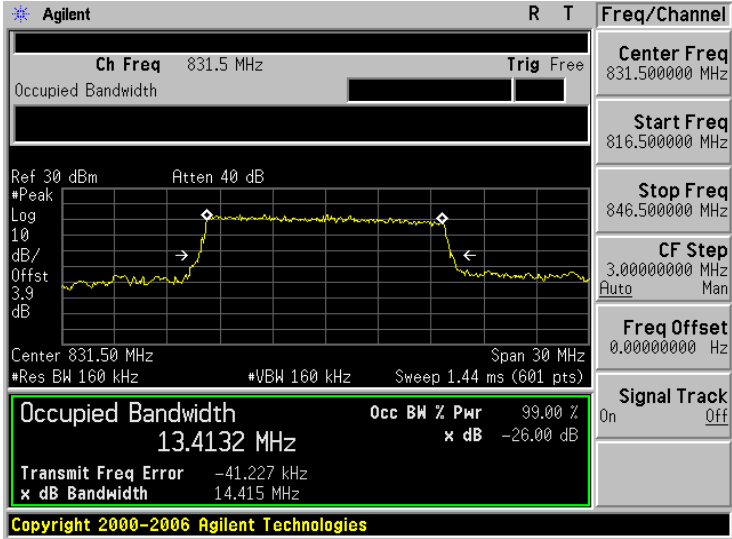
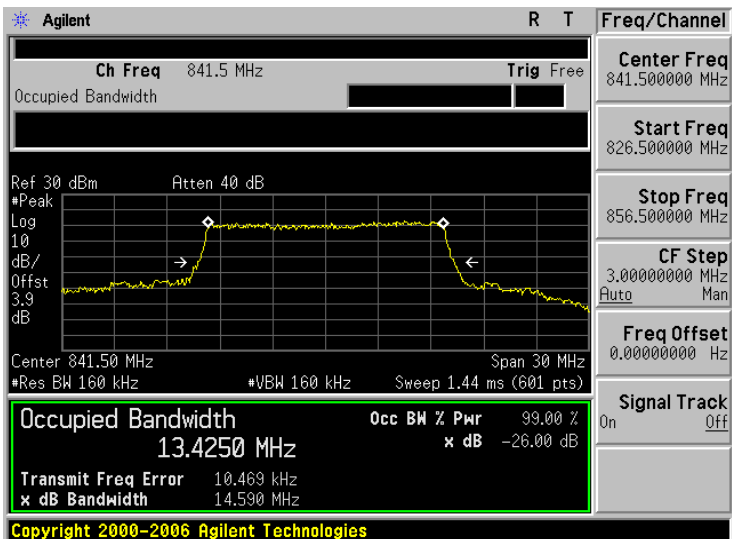
848.3 MHz

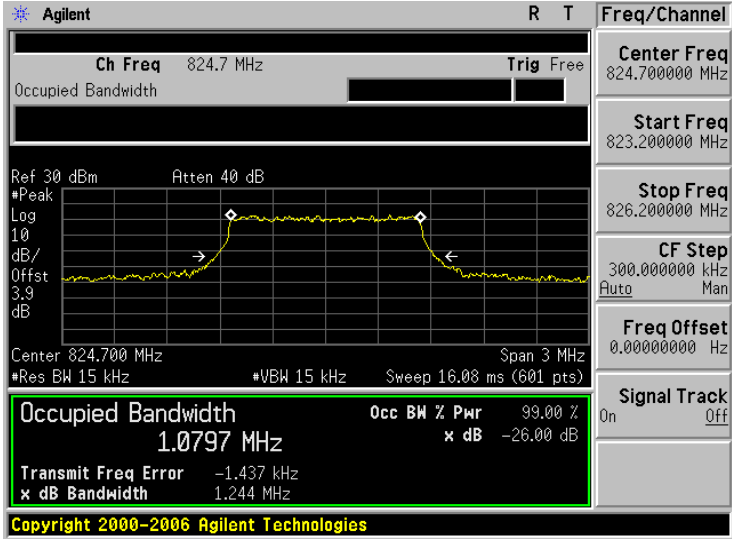
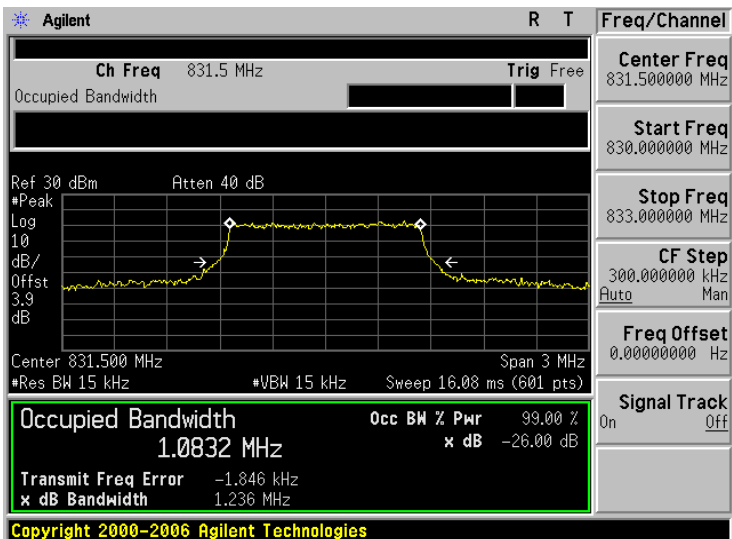
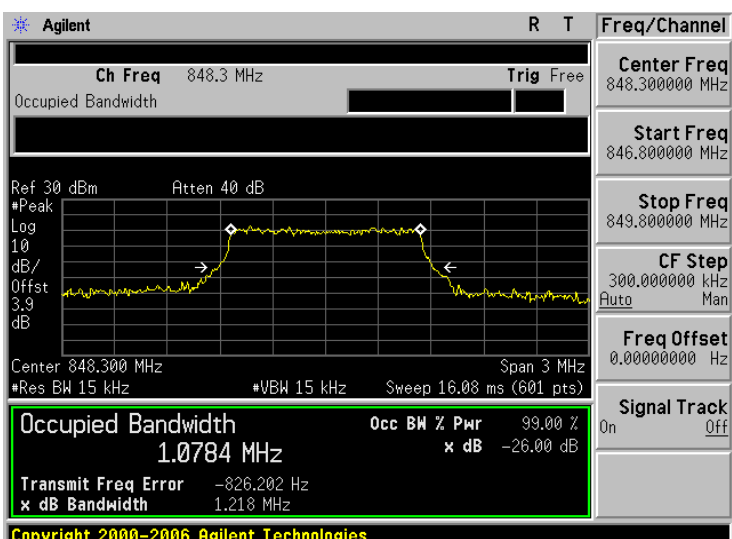


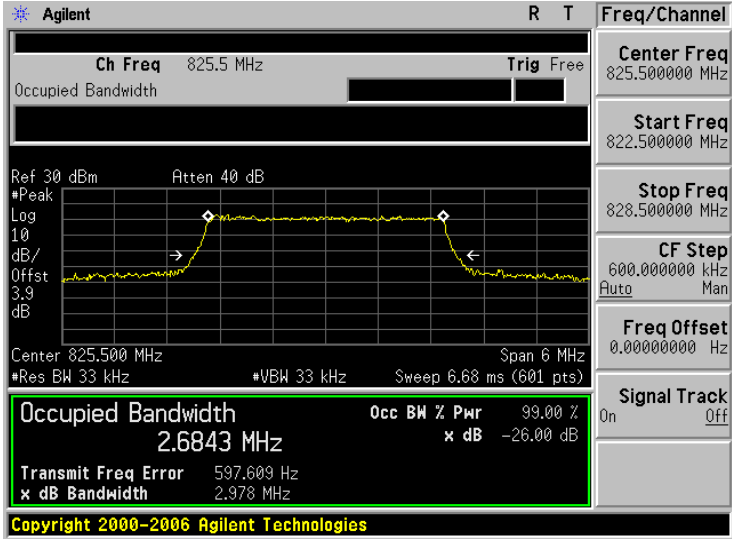
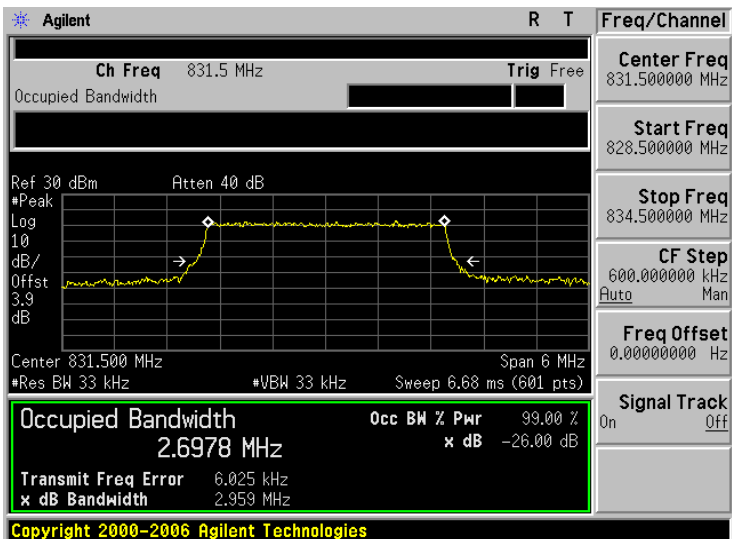
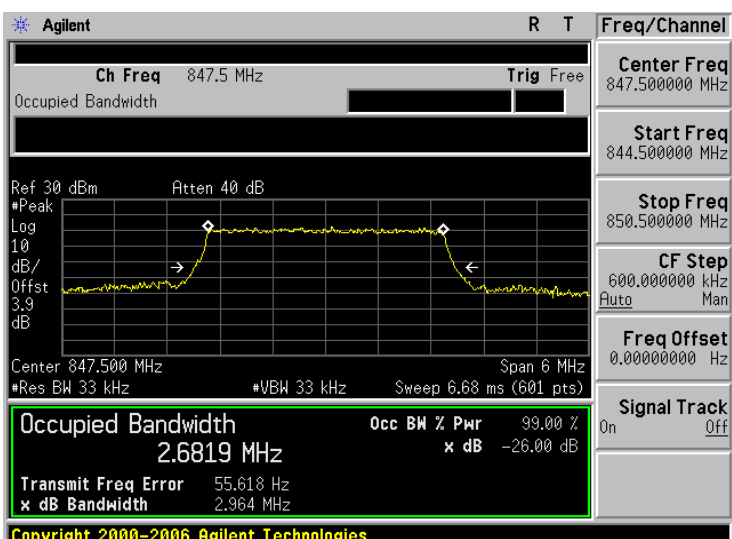
LTE Band 26_Part 22H (Channel Bandwidth: 3 MHz) _ QPSK	
825.5 MHz	 Agilent R T Freq/Channel Ch Freq 825.5 MHz Trig Free Center Freq 825.500000 MHz Start Freq 822.500000 MHz Stop Freq 828.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak 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 2.6825 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -889.763 Hz x dB Bandwidth 2.979 MHz Copyright 2000-2006 Agilent Technologies
831.5 MHz	 Agilent R T Freq/Channel Ch Freq 831.5 MHz Trig Free Center Freq 831.500000 MHz Start Freq 828.500000 MHz Stop Freq 834.500000 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 831.500 MHz Span 6 MHz #Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6915 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.152 kHz x dB Bandwidth 2.956 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 2.6846 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -328.673 Hz x dB Bandwidth 2.952 MHz Copyright 2000-2006 Agilent Technologies

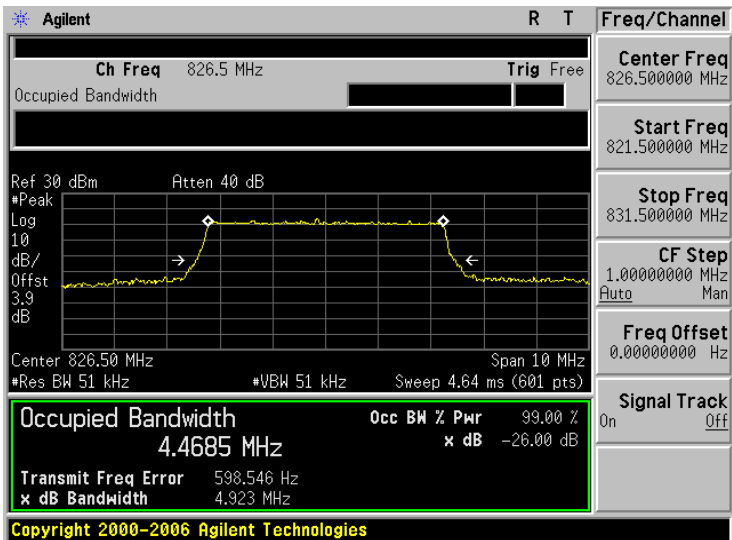
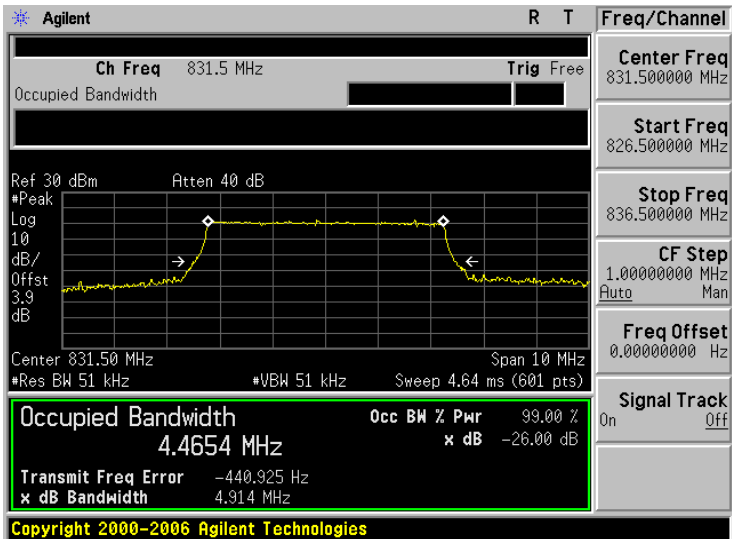
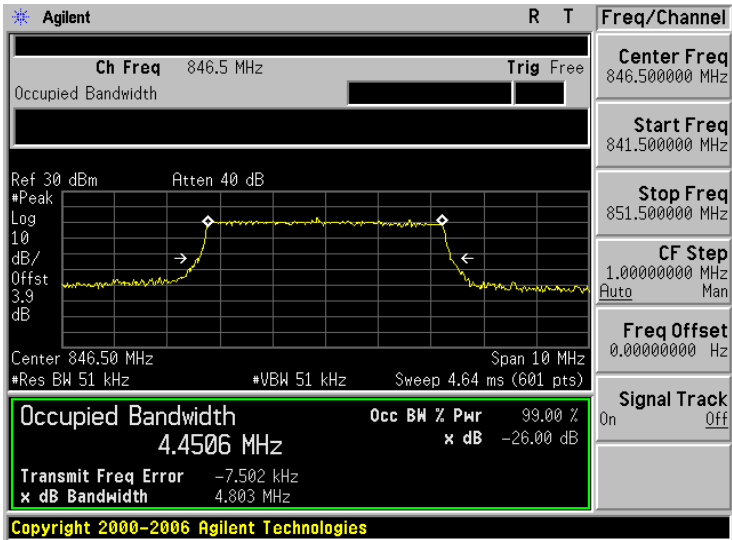
LTE Band 26_Part 22H (Channel Bandwidth: 5 MHz) _ QPSK	
826.5 MHz	 Agilent R T Freq/Channel Ch Freq 826.5 MHz Trig Free Center Freq 826.500000 MHz Start Freq 821.500000 MHz Stop Freq 831.500000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak 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 4.4657 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.075 kHz x dB Bandwidth 4.887 MHz Copyright 2000-2006 Agilent Technologies
831.5 MHz	 Agilent R T Freq/Channel Ch Freq 831.5 MHz Trig Free Center Freq 831.500000 MHz Start Freq 826.500000 MHz Stop Freq 836.500000 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 831.50 MHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4642 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.476 kHz x dB Bandwidth 4.896 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 4.4624 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -10.044 kHz x dB Bandwidth 4.860 MHz Copyright 2000-2006 Agilent Technologies

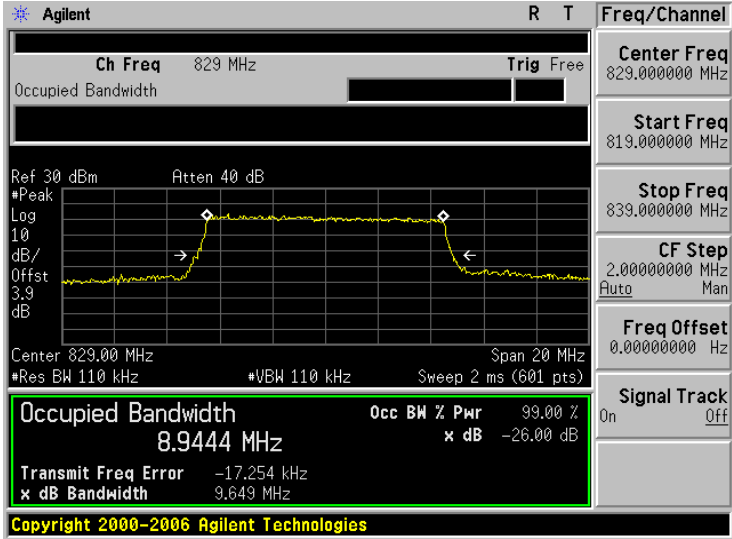
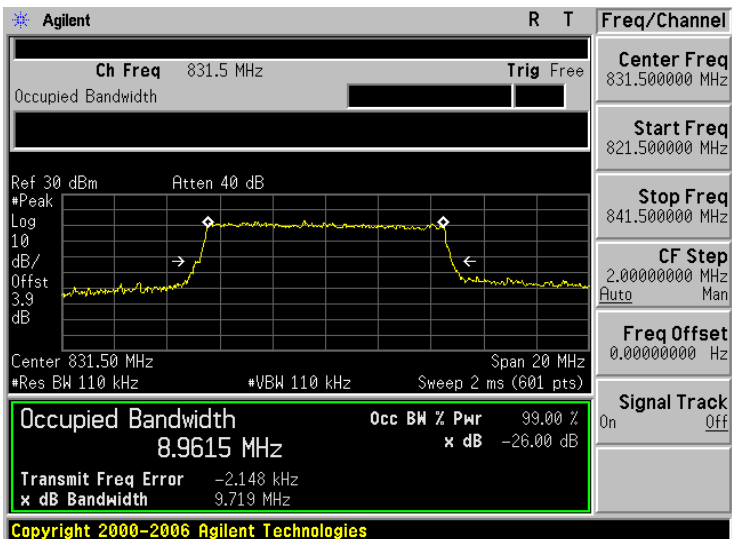
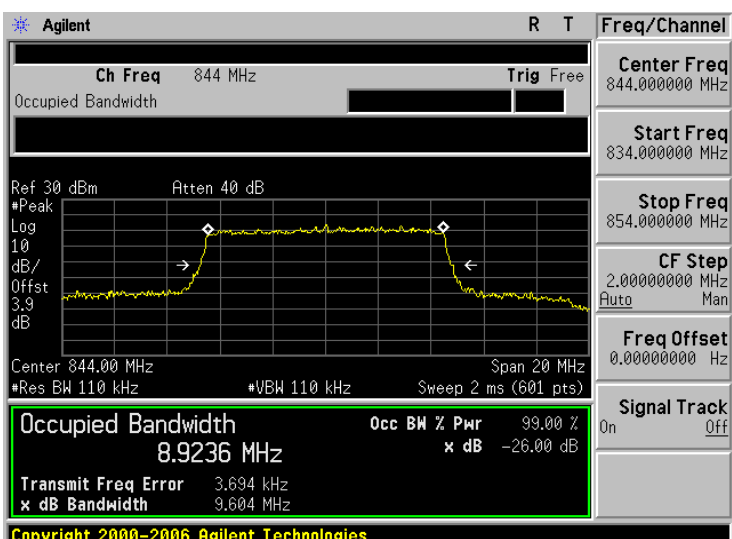
LTE Band 26_Part 22H (Channel Bandwidth: 10 MHz) _ QPSK	
829.0 MHz	 Agilent R T Freq/Channel Ch Freq 829 MHz Trig Free Center Freq 829.000000 MHz Start Freq 819.000000 MHz Stop Freq 839.000000 MHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/ Offst 3.9 dB Center 829.00 MHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9488 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -17.130 kHz x dB Bandwidth 9.648 MHz Copyright 2000-2006 Agilent Technologies
831.5 MHz	 Agilent R T Freq/Channel Ch Freq 831.5 MHz Trig Free Center Freq 831.500000 MHz Start Freq 821.500000 MHz Stop Freq 841.500000 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 831.50 MHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9611 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 1.940 kHz x dB Bandwidth 9.553 MHz Copyright 2000-2006 Agilent Technologies
844.0 MHz	 Agilent R T Freq/Channel Ch Freq 844 MHz Trig Free Center Freq 844.000000 MHz Start Freq 834.000000 MHz Stop Freq 854.000000 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 844.00 MHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9196 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 6.165 kHz x dB Bandwidth 9.617 MHz Copyright 2000-2006 Agilent Technologies

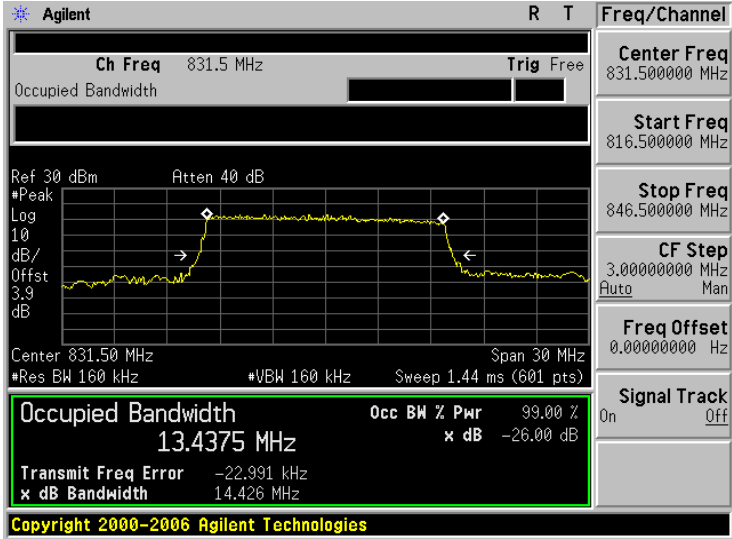
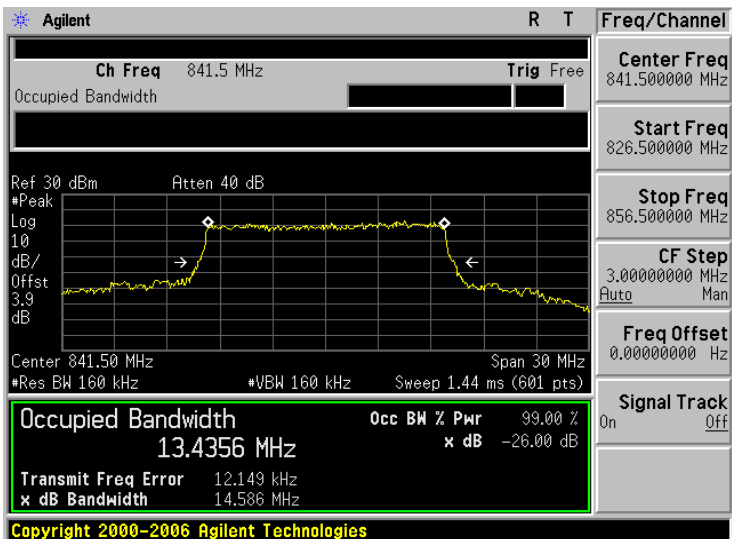
LTE Band 26_Part 22H (Channel Bandwidth: 15 MHz) _ QPSK		
831.5 MHz	 Agilent R T Freq/Channel Ch Freq 831.5 MHz Trig Free Center Freq 831.500000 MHz Start Freq 816.500000 MHz Stop Freq 846.500000 MHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/ Offst 3.9 dB Center 831.50 MHz Span 30 MHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4132 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -41.227 kHz x dB Bandwidth 14.415 MHz Copyright 2000-2006 Agilent Technologies	
841.5 MHz	 Agilent R T Freq/Channel Ch Freq 841.5 MHz Trig Free Center Freq 841.500000 MHz Start Freq 826.500000 MHz Stop Freq 856.500000 MHz 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 3.9 dB Center 841.50 MHz Span 30 MHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4250 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 10.469 kHz x dB Bandwidth 14.590 MHz Copyright 2000-2006 Agilent Technologies	

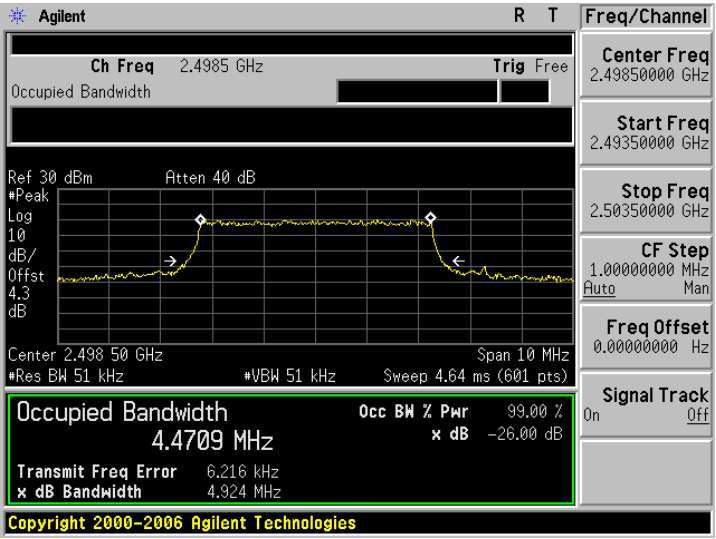
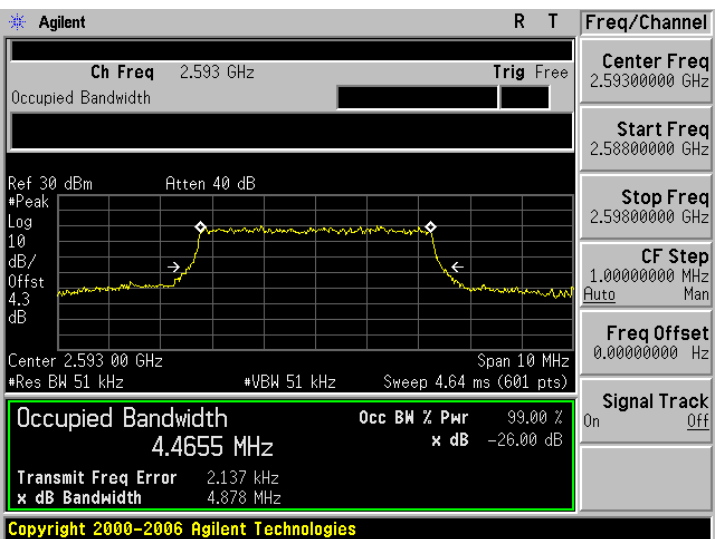
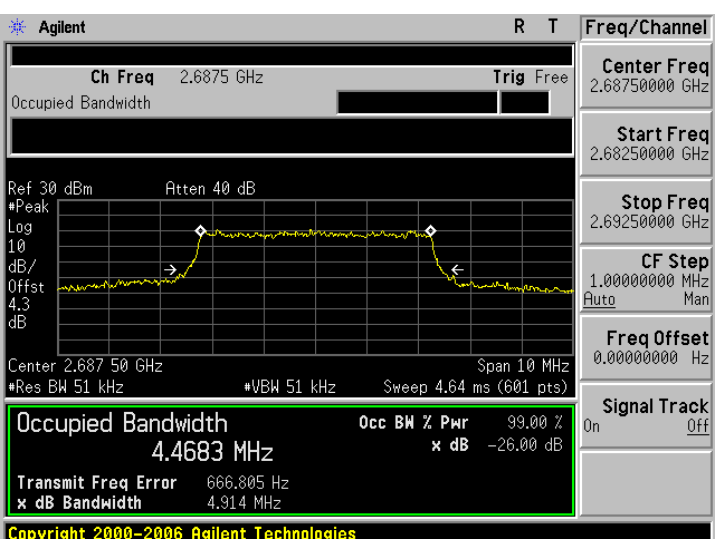
LTE Band 26_Part 22H (Channel Bandwidth: 1.4 MHz) _ 16QAM	
824.7 MHz	 Agilent R T Freq/Channel Ch Freq 824.7 MHz Trig Free Center Freq 824.700000 MHz Start Freq 823.200000 MHz Stop Freq 826.200000 MHz CF Step 300.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #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 1.0797 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.437 kHz x dB Bandwidth 1.244 MHz Copyright 2000-2006 Agilent Technologies
831.5 MHz	 Agilent R T Freq/Channel Ch Freq 831.5 MHz Trig Free Center Freq 831.500000 MHz Start Freq 830.000000 MHz Stop Freq 833.000000 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 831.500 MHz Span 3 MHz #Res BW 15 kHz #VBW 15 kHz Sweep 16.08 ms (601 pts) Occupied Bandwidth 1.0832 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.846 kHz x dB Bandwidth 1.236 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 1.0784 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -826.202 Hz x dB Bandwidth 1.218 MHz Copyright 2000-2006 Agilent Technologies

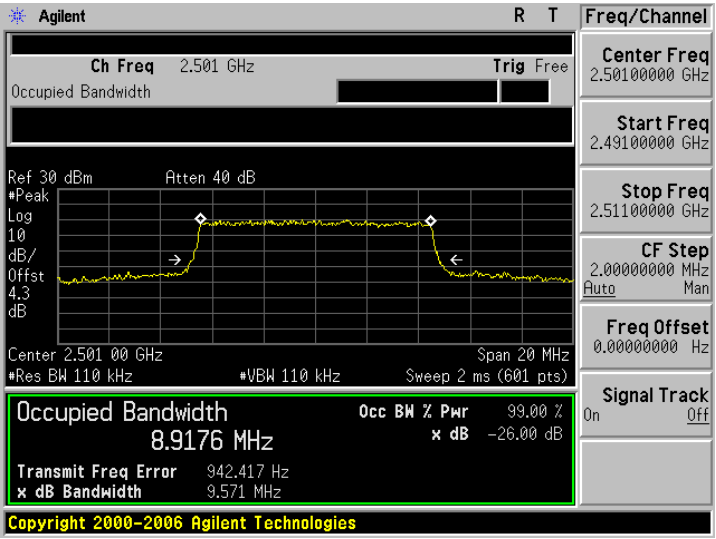
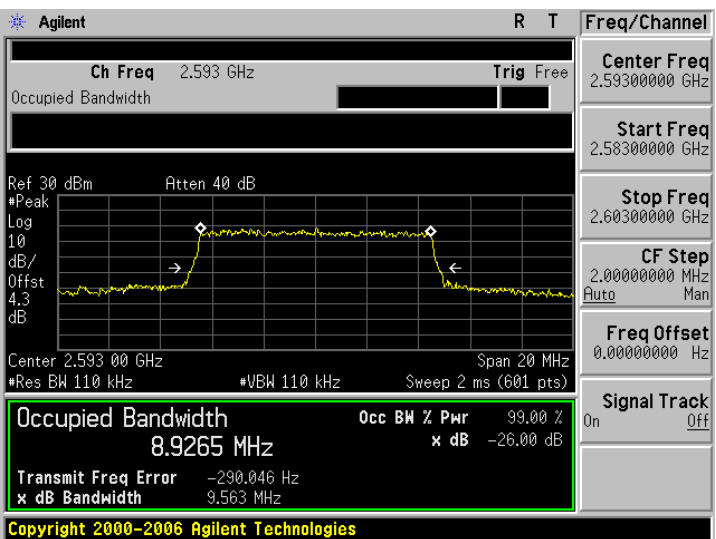
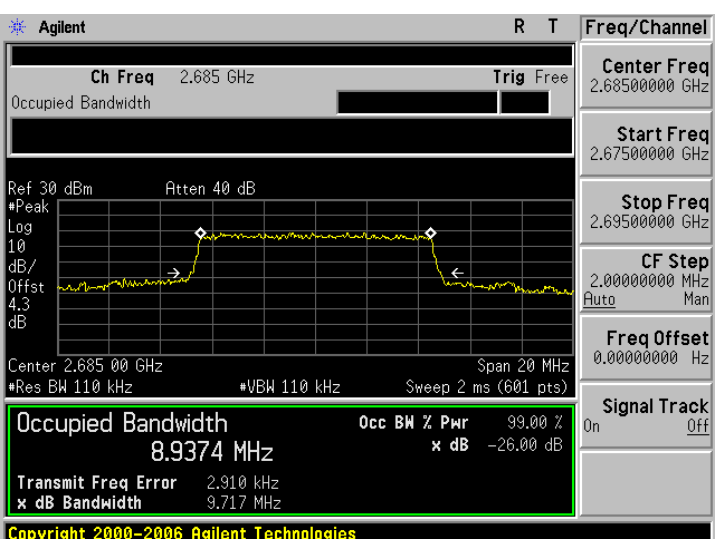
LTE Band 26_Part 22H (Channel Bandwidth: 3 MHz) _ 16QAM	
825.5 MHz	 Agilent R T Freq/Channel Ch Freq 825.5 MHz Trig Free Center Freq 825.500000 MHz Start Freq 822.500000 MHz Stop Freq 828.500000 MHz CF Step 600.000000 kHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak 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 2.6843 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 597.609 Hz x dB Bandwidth 2.978 MHz Copyright 2000-2006 Agilent Technologies
831.5 MHz	 Agilent R T Freq/Channel Ch Freq 831.5 MHz Trig Free Center Freq 831.500000 MHz Start Freq 828.500000 MHz Stop Freq 834.500000 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 831.500 MHz Span 6 MHz #Res BW 33 kHz #VBW 33 kHz Sweep 6.68 ms (601 pts) Occupied Bandwidth 2.6978 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 6.025 kHz x dB Bandwidth 2.959 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 2.6819 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 55.618 Hz x dB Bandwidth 2.964 MHz Copyright 2000-2006 Agilent Technologies

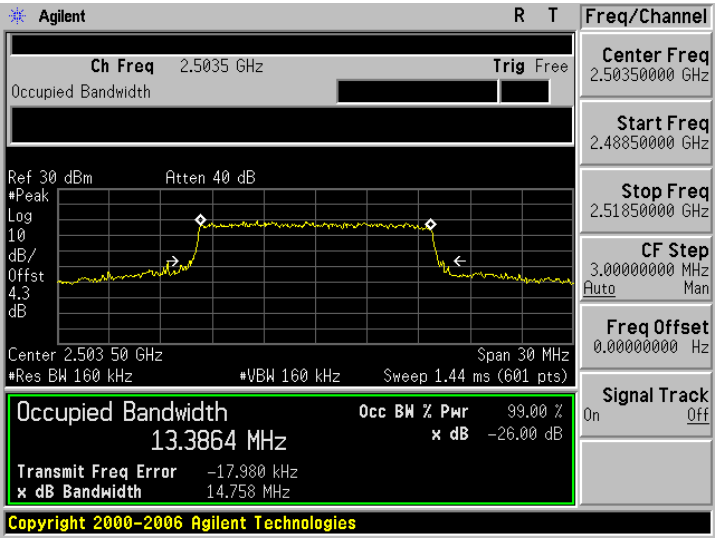
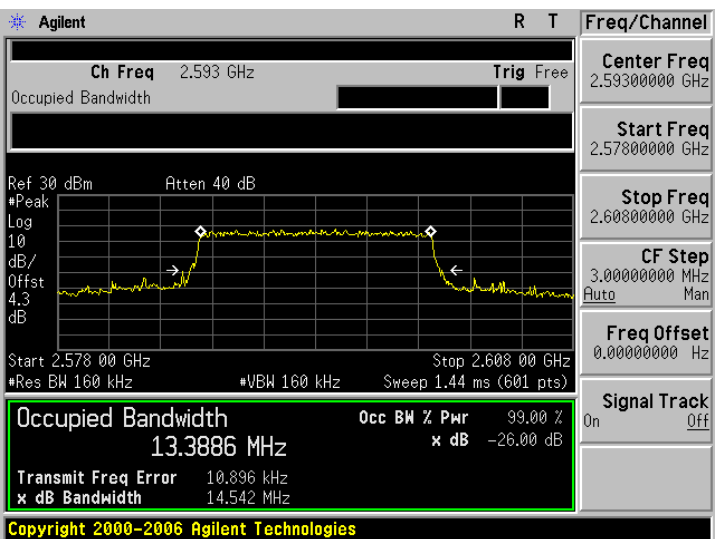
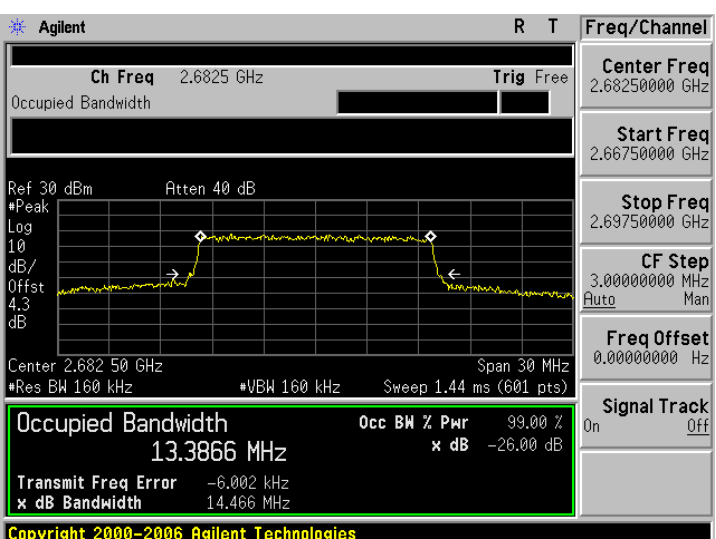
LTE Band 26_Part 22H (Channel Bandwidth: 5 MHz) _ 16QAM	
826.5 MHz	 Agilent R T Freq/Channel Ch Freq 826.5 MHz Trig Free Center Freq 826.500000 MHz Start Freq 821.500000 MHz Stop Freq 831.500000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak 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 4.4685 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 598.546 Hz x dB Bandwidth 4.923 MHz Copyright 2000-2006 Agilent Technologies
831.5 MHz	 Agilent R T Freq/Channel Ch Freq 831.5 MHz Trig Free Center Freq 831.500000 MHz Start Freq 826.500000 MHz Stop Freq 836.500000 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 831.50 MHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4654 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -440.925 Hz x dB Bandwidth 4.914 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 4.4506 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -7.502 kHz x dB Bandwidth 4.803 MHz Copyright 2000-2006 Agilent Technologies

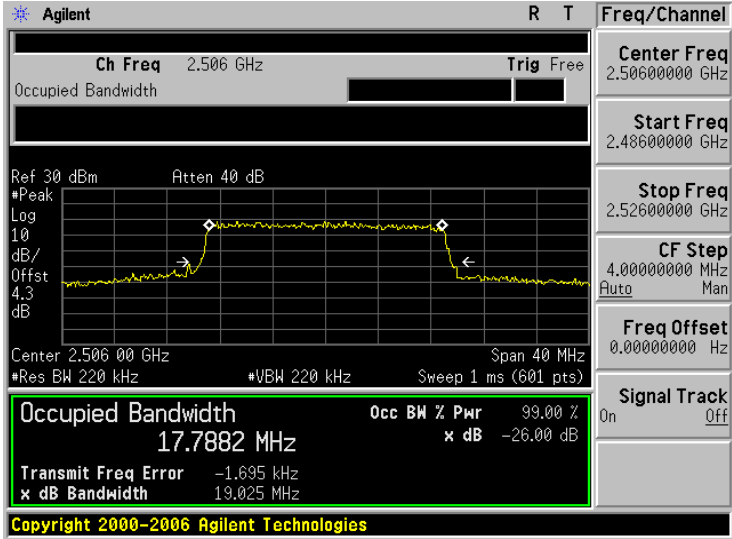
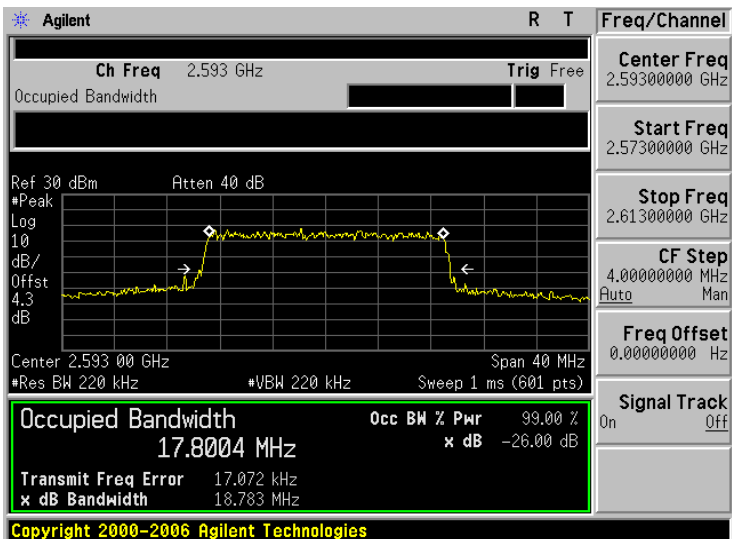
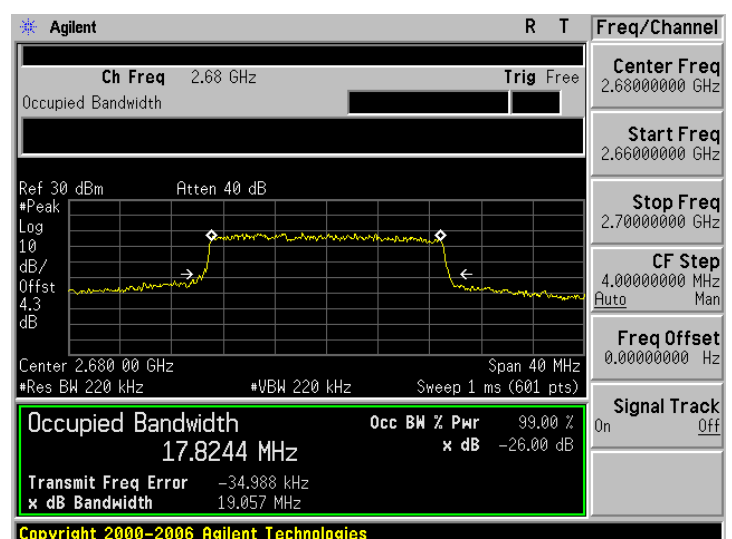
LTE Band 26_Part 22H (Channel Bandwidth: 10 MHz) _ 16QAM	
829.0 MHz	 Agilent R T Freq/Channel Ch Freq 829 MHz Trig Free Center Freq 829.000000 MHz Start Freq 819.000000 MHz Stop Freq 839.000000 MHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 3.9 dB Center 829.00 MHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9444 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -17.254 kHz x dB Bandwidth 9.649 MHz Copyright 2000-2006 Agilent Technologies
831.5 MHz	 Agilent R T Freq/Channel Ch Freq 831.5 MHz Trig Free Center Freq 831.500000 MHz Start Freq 821.500000 MHz Stop Freq 841.500000 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 831.50 MHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9615 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -2.148 kHz x dB Bandwidth 9.719 MHz Copyright 2000-2006 Agilent Technologies
844.0 MHz	 Agilent R T Freq/Channel Ch Freq 844 MHz Trig Free Center Freq 844.000000 MHz Start Freq 834.000000 MHz Stop Freq 854.000000 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 844.00 MHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9236 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 3.694 kHz x dB Bandwidth 9.604 MHz Copyright 2000-2006 Agilent Technologies

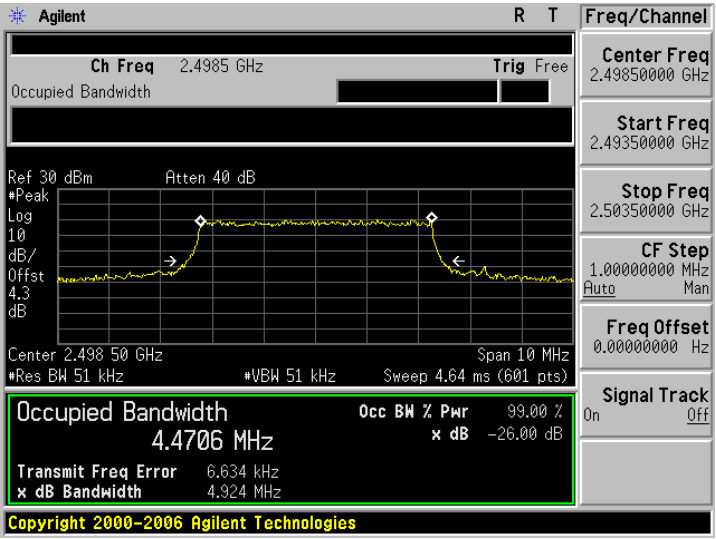
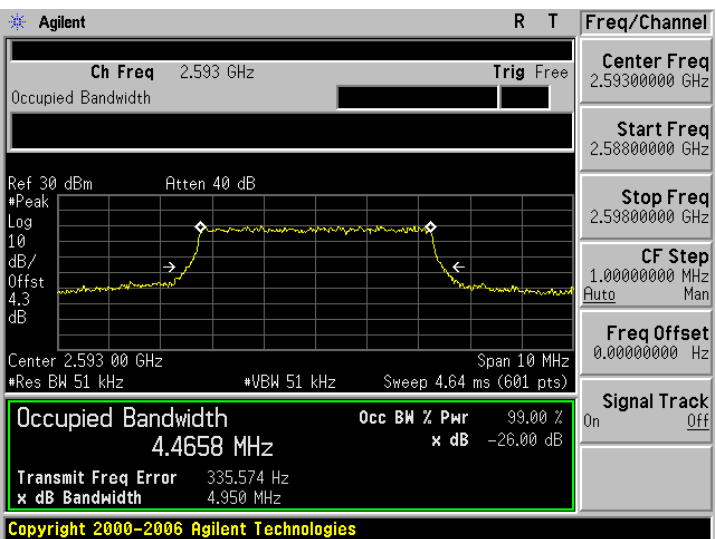
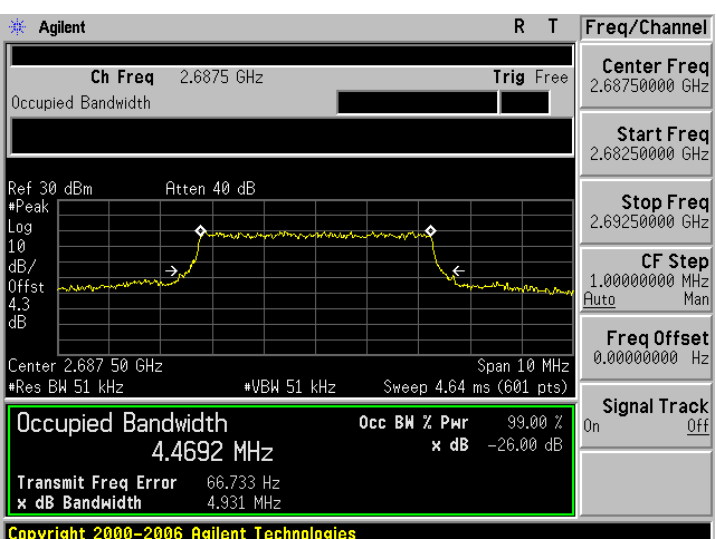
LTE Band 26_Part 22H (Channel Bandwidth: 15 MHz) _ 16QAM		
831.5 MHz	 Agilent R T Freq/Channel Ch Freq 831.5 MHz Trig Free Center Freq 831.500000 MHz Start Freq 816.500000 MHz Stop Freq 846.500000 MHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/ Offst 3.9 dB Center 831.50 MHz Span 30 MHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4375 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -22.991 kHz x dB Bandwidth 14.426 MHz Copyright 2000-2006 Agilent Technologies	
841.5 MHz	 Agilent R T Freq/Channel Ch Freq 841.5 MHz Trig Free Center Freq 841.500000 MHz Start Freq 826.500000 MHz Stop Freq 856.500000 MHz 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 3.9 dB Center 841.50 MHz Span 30 MHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4356 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 12.149 kHz x dB Bandwidth 14.586 MHz Copyright 2000-2006 Agilent Technologies	

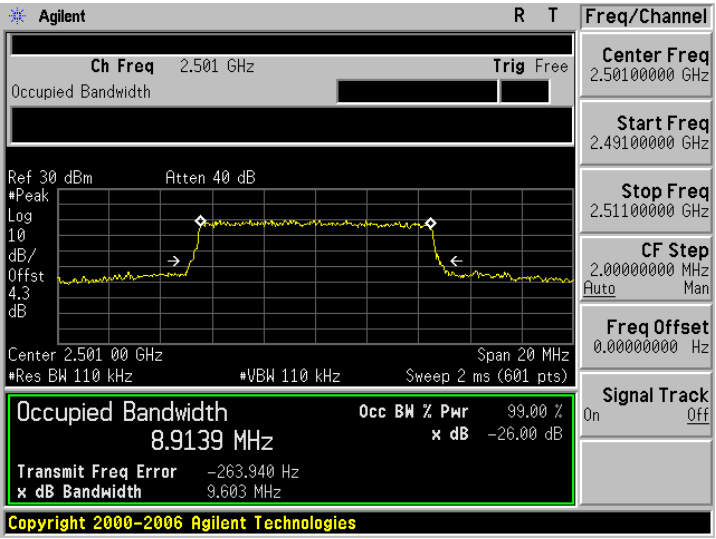
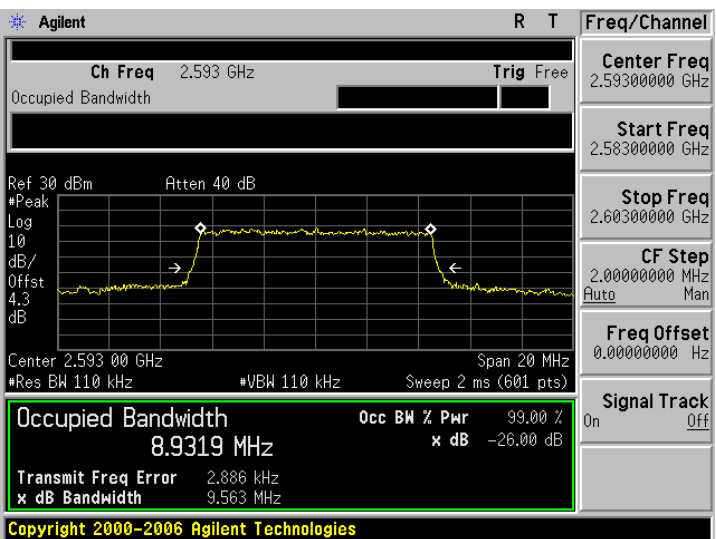
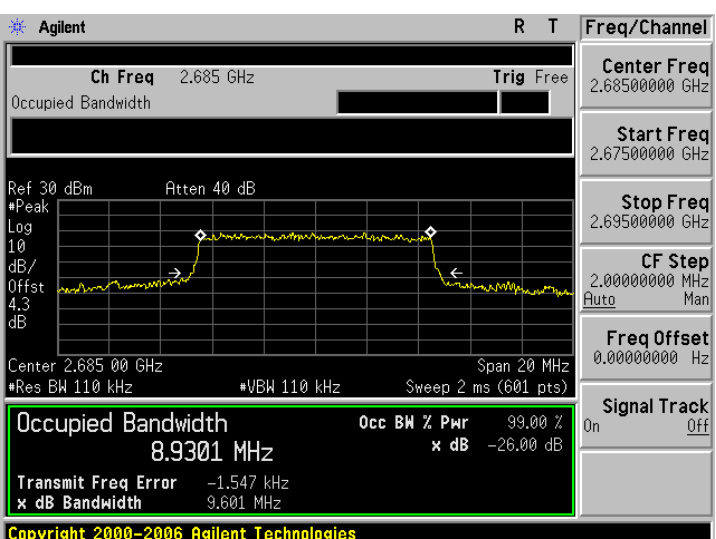
LTE Band 41 (Channel Bandwidth: 5 MHz) _ QPSK	
2498.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.4985 GHz Trig Free Center Freq 2.49850000 GHz Start Freq 2.49350000 GHz Stop Freq 2.50350000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 4.3 dB Center 2.498 50 GHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4709 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 6.216 kHz x dB Bandwidth 4.924 MHz Copyright 2000-2006 Agilent Technologies
2593.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.593 GHz Trig Free Center Freq 2.59300000 GHz Start Freq 2.58800000 GHz Stop Freq 2.59800000 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 2.593 00 GHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4655 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.137 kHz x dB Bandwidth 4.878 MHz Copyright 2000-2006 Agilent Technologies
2687.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.6875 GHz Trig Free Center Freq 2.68750000 GHz Start Freq 2.68250000 GHz Stop Freq 2.69250000 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 2.687 50 GHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4683 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 666.805 Hz x dB Bandwidth 4.914 MHz Copyright 2000-2006 Agilent Technologies

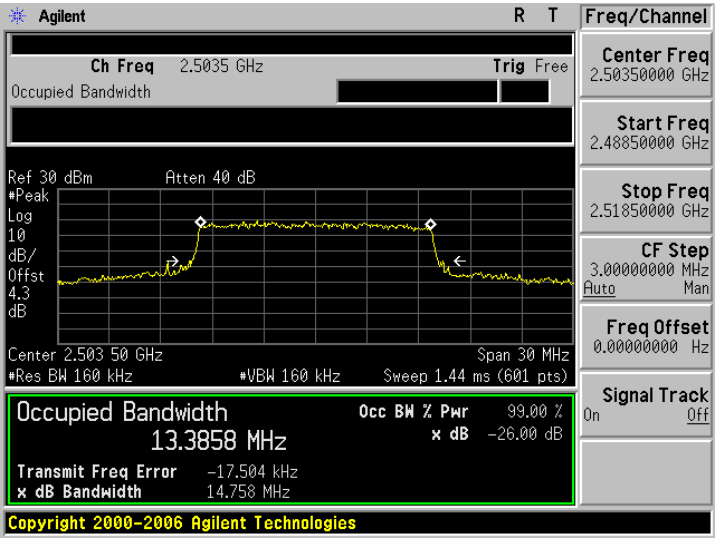
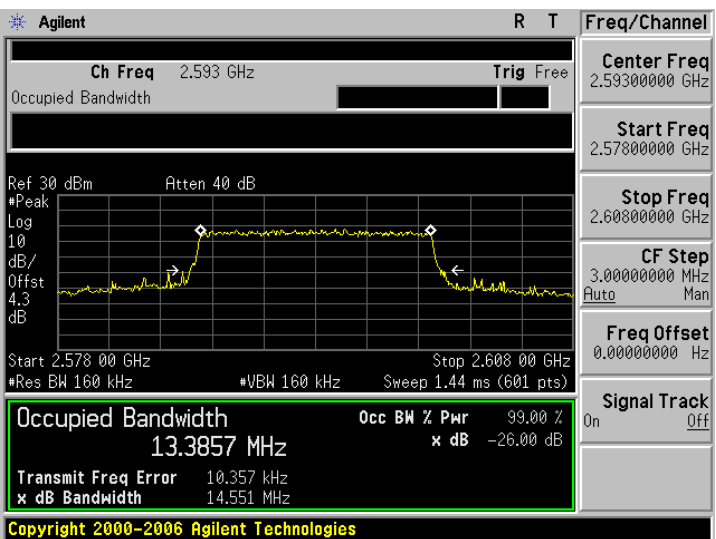
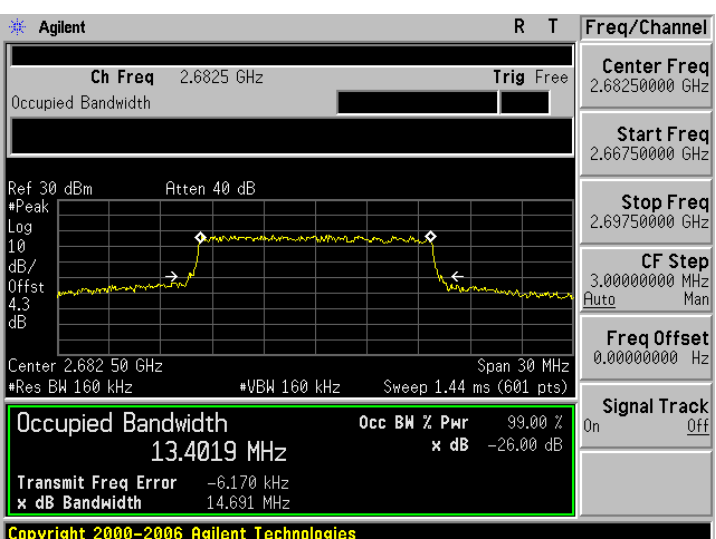
LTE Band 41 (Channel Bandwidth: 10 MHz) _ QPSK	
2501.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.501 GHz Trig Free Center Freq 2.50100000 GHz Start Freq 2.49100000 GHz Stop Freq 2.51100000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 4.3 dB Center 2.501 00 GHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9176 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 942.417 Hz x dB Bandwidth 9.571 MHz Copyright 2000-2006 Agilent Technologies
2593.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.593 GHz Trig Free Center Freq 2.59300000 GHz Start Freq 2.58300000 GHz Stop Freq 2.60300000 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 2.593 00 GHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9265 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -290.046 Hz x dB Bandwidth 9.563 MHz Copyright 2000-2006 Agilent Technologies
2685.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.685 GHz Trig Free Center Freq 2.68500000 GHz Start Freq 2.67500000 GHz Stop Freq 2.69500000 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 2.685 00 GHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9374 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.910 kHz x dB Bandwidth 9.717 MHz Copyright 2000-2006 Agilent Technologies

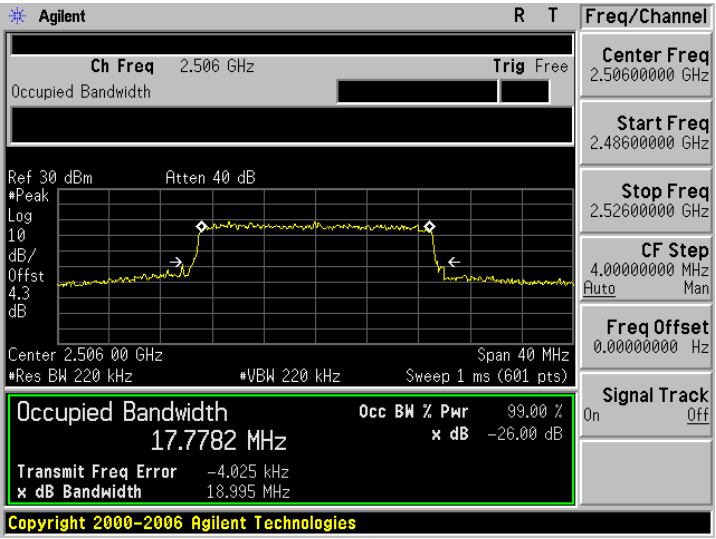
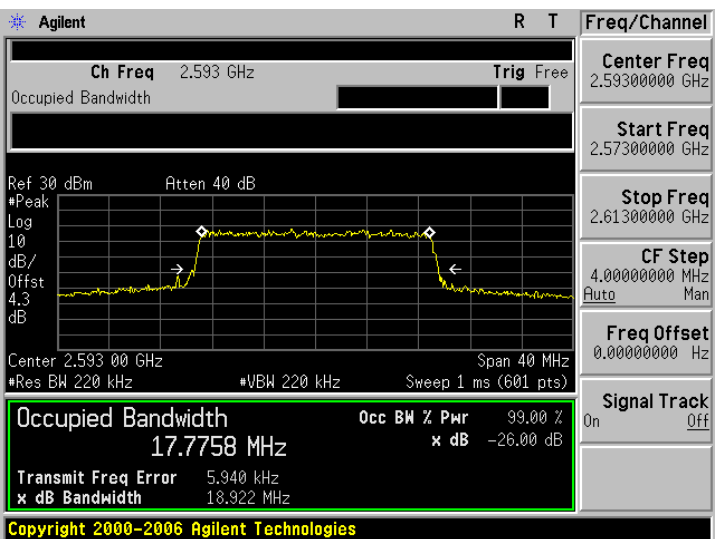
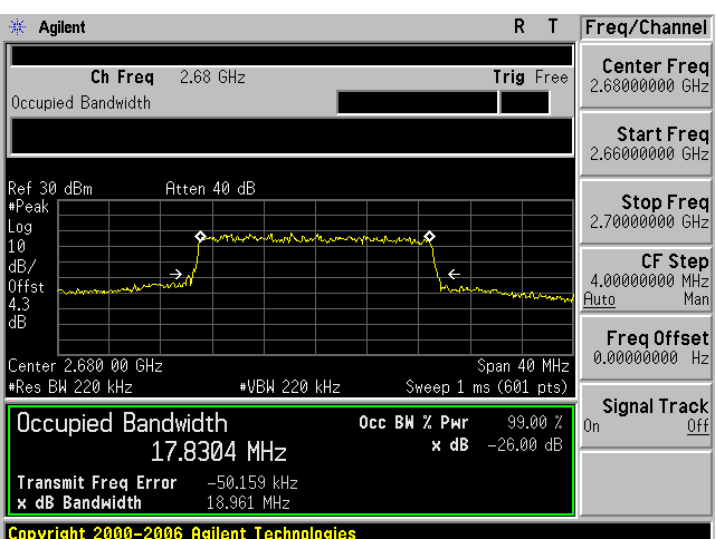
LTE Band 41 (Channel Bandwidth: 15 MHz) _ QPSK	
2503.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.5035 GHz Trig Free Center Freq 2.50350000 GHz Start Freq 2.48850000 GHz Stop Freq 2.51850000 GHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Ref 30 dBm Atten 40 dB #Peak Log 10 dB/Offst 4.3 dB Center 2.503 50 GHz Span 30 MHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.3864 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -17.980 kHz x dB Bandwidth 14.758 MHz Copyright 2000-2006 Agilent Technologies
2593.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.593 GHz Trig Free Center Freq 2.59300000 GHz Start Freq 2.57800000 GHz Stop Freq 2.60800000 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 Start 2.578 00 GHz Stop 2.608 00 GHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.3886 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 10.896 kHz x dB Bandwidth 14.542 MHz Copyright 2000-2006 Agilent Technologies
2682.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.6825 GHz Trig Free Center Freq 2.68250000 GHz Start Freq 2.66750000 GHz Stop Freq 2.69750000 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 2.682 50 GHz Span 30 MHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.3866 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -6.002 kHz x dB Bandwidth 14.466 MHz Copyright 2000-2006 Agilent Technologies

LTE Band 41 (Channel Bandwidth: 20 MHz) _ QPSK	
2506.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.506 GHz Trig Free Center Freq 2.50600000 GHz Start Freq 2.48600000 GHz Stop Freq 2.52600000 GHz CF Step 4.00000000 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 2.506 00 GHz Span 40 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.7882 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.695 kHz x dB Bandwidth 19.025 MHz Copyright 2000-2006 Agilent Technologies
2593.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.593 GHz Trig Free Center Freq 2.59300000 GHz Start Freq 2.57300000 GHz Stop Freq 2.61300000 GHz CF Step 4.00000000 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 2.593 00 GHz Span 40 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8004 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 17.072 kHz x dB Bandwidth 18.783 MHz Copyright 2000-2006 Agilent Technologies
2680.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.68 GHz Trig Free Center Freq 2.68000000 GHz Start Freq 2.66000000 GHz Stop Freq 2.70000000 GHz CF Step 4.00000000 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 2.680 00 GHz Span 40 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8244 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -34.988 kHz x dB Bandwidth 19.057 MHz Copyright 2000-2006 Agilent Technologies

LTE Band 41 (Channel Bandwidth: 5 MHz) _ 16QAM	
2498.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.4985 GHz Trig Free Center Freq 2.49850000 GHz Start Freq 2.49350000 GHz Stop Freq 2.50350000 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 2.498 50 GHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4706 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 6.634 kHz x dB Bandwidth 4.924 MHz Copyright 2000-2006 Agilent Technologies
2593.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.593 GHz Trig Free Center Freq 2.59300000 GHz Start Freq 2.58800000 GHz Stop Freq 2.59800000 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 2.593 00 GHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4658 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 335.574 Hz x dB Bandwidth 4.950 MHz Copyright 2000-2006 Agilent Technologies
2687.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.6875 GHz Trig Free Center Freq 2.68750000 GHz Start Freq 2.68250000 GHz Stop Freq 2.69250000 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 2.687 50 GHz Span 10 MHz #Res BW 51 kHz #VBW 51 kHz Sweep 4.64 ms (601 pts) Occupied Bandwidth 4.4692 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 66.733 Hz x dB Bandwidth 4.931 MHz Copyright 2000-2006 Agilent Technologies

LTE Band 41 (Channel Bandwidth: 10 MHz) _ 16QAM	
2501.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.501 GHz Trig Free Center Freq 2.50100000 GHz Start Freq 2.49100000 GHz Stop Freq 2.51100000 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 2.501 00 GHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9139 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -263.940 Hz x dB Bandwidth 9.603 MHz Copyright 2000-2006 Agilent Technologies
2593.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.593 GHz Trig Free Center Freq 2.59300000 GHz Start Freq 2.58300000 GHz Stop Freq 2.60300000 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 2.593 00 GHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9319 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 2.886 kHz x dB Bandwidth 9.563 MHz Copyright 2000-2006 Agilent Technologies
2685.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.685 GHz Trig Free Center Freq 2.68500000 GHz Start Freq 2.67500000 GHz Stop Freq 2.69500000 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 2.685 00 GHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 2 ms (601 pts) Occupied Bandwidth 8.9301 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -1.547 kHz x dB Bandwidth 9.601 MHz Copyright 2000-2006 Agilent Technologies

LTE Band 41 (Channel Bandwidth: 15 MHz) _ 16QAM	
2503.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.5035 GHz Trig Free Center Freq 2.50350000 GHz Start Freq 2.48850000 GHz Stop Freq 2.51850000 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 2.503 50 GHz Span 30 MHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.3858 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -17.504 kHz x dB Bandwidth 14.758 MHz Copyright 2000-2006 Agilent Technologies
2593.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.593 GHz Trig Free Center Freq 2.59300000 GHz Start Freq 2.57800000 GHz Stop Freq 2.60800000 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 Start 2.578 00 GHz Stop 2.608 00 GHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.3857 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 10.357 kHz x dB Bandwidth 14.551 MHz Copyright 2000-2006 Agilent Technologies
2682.5 MHz	 Agilent R T Freq/Channel Ch Freq 2.6825 GHz Trig Free Center Freq 2.68250000 GHz Start Freq 2.66750000 GHz Stop Freq 2.69750000 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 2.682 50 GHz Span 30 MHz #Res BW 160 kHz #VBW 160 kHz Sweep 1.44 ms (601 pts) Occupied Bandwidth 13.4019 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -6.170 kHz x dB Bandwidth 14.691 MHz Copyright 2000-2006 Agilent Technologies

LTE Band 41 (Channel Bandwidth: 20 MHz) _ 16QAM	
2506.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.506 GHz Trig Free Center Freq 2.50600000 GHz Start Freq 2.48600000 GHz Stop Freq 2.52600000 GHz CF Step 4.00000000 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 2.506 00 GHz Span 40 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.7782 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -4.025 kHz x dB Bandwidth 18.995 MHz Copyright 2000-2006 Agilent Technologies
2593.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.593 GHz Trig Free Center Freq 2.59300000 GHz Start Freq 2.57300000 GHz Stop Freq 2.61300000 GHz CF Step 4.00000000 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 2.593 00 GHz Span 40 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.7758 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error 5.940 kHz x dB Bandwidth 18.922 MHz Copyright 2000-2006 Agilent Technologies
2680.0 MHz	 Agilent R T Freq/Channel Ch Freq 2.68 GHz Trig Free Center Freq 2.68000000 GHz Start Freq 2.66000000 GHz Stop Freq 2.70000000 GHz CF Step 4.00000000 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 2.680 00 GHz Span 40 MHz #Res BW 220 kHz #VBW 220 kHz Sweep 1 ms (601 pts) Occupied Bandwidth 17.8304 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB Transmit Freq Error -50.159 kHz x dB Bandwidth 18.961 MHz Copyright 2000-2006 Agilent Technologies

6 Peak to Average Ratio Test

6.1. Limit

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

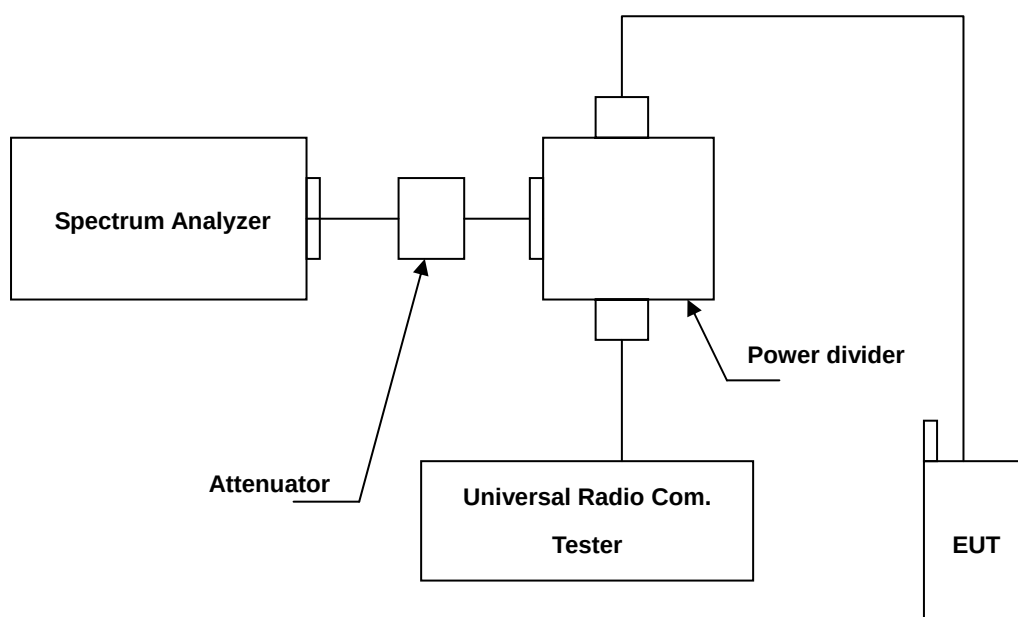
6.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/10/2014	(1)
Wideband Radio Communication Test	R & S	CMW500	103168	11/05/2014	(1)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

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

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

6.3. Setup



6.4. Test Procedure

The measurement is made according to FCC rules:

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

6.5. Uncertainty

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

6.6. Test Result

Model Number	AC779S-100		
Test Item	Peak to Average Ratio		
Date of Test	02/10/2015 ; 03/04/2015	Test Site	TE05

LTE Band 2				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	1880.0	5.20	< 13
	3 MHz	1880.0	4.63	< 13
	5 MHz	1880.0	4.65	< 13
	10 MHz	1880.0	4.92	< 13
	15 MHz	1880.0	5.26	< 13
	20 MHz	1880.0	5.29	< 13
16QAM	1.4 MHz	1880.0	6.08	< 13
	3 MHz	1880.0	5.44	< 13
	5 MHz	1880.0	5.56	< 13
	10 MHz	1880.0	5.77	< 13
	15 MHz	1880.0	6.14	< 13
	20 MHz	1880.0	6.06	< 13

LTE Band 4				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	1732.5	5.75	< 13
	3 MHz	1732.5	5.67	< 13
	5 MHz	1732.5	5.37	< 13
	10 MHz	1732.5	5.66	< 13
	15 MHz	1732.5	5.68	< 13
	20 MHz	1732.5	5.47	< 13
16QAM	1.4 MHz	1732.5	6.56	< 13
	3 MHz	1732.5	6.46	< 13
	5 MHz	1732.5	5.99	< 13
	10 MHz	1732.5	6.52	< 13
	15 MHz	1732.5	6.44	< 13
	20 MHz	1732.5	5.98	< 13

LTE Band 5				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	836.5	4.90	< 13
	3 MHz	836.5	4.86	< 13
	5 MHz	836.5	4.60	< 13
	10 MHz	836.5	4.53	< 13
16QAM	1.4 MHz	836.5	6.00	< 13
	3 MHz	836.5	5.65	< 13
	5 MHz	836.5	5.46	< 13
	10 MHz	836.5	5.37	< 13

LTE Band 12				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	707.5	5.84	< 13
	3 MHz	707.5	5.81	< 13
	5 MHz	707.5	5.43	< 13
	10 MHz	707.5	5.50	< 13
16QAM	1.4 MHz	707.5	6.85	< 13
	3 MHz	707.5	6.61	< 13
	5 MHz	707.5	6.11	< 13
	10 MHz	707.5	6.34	< 13

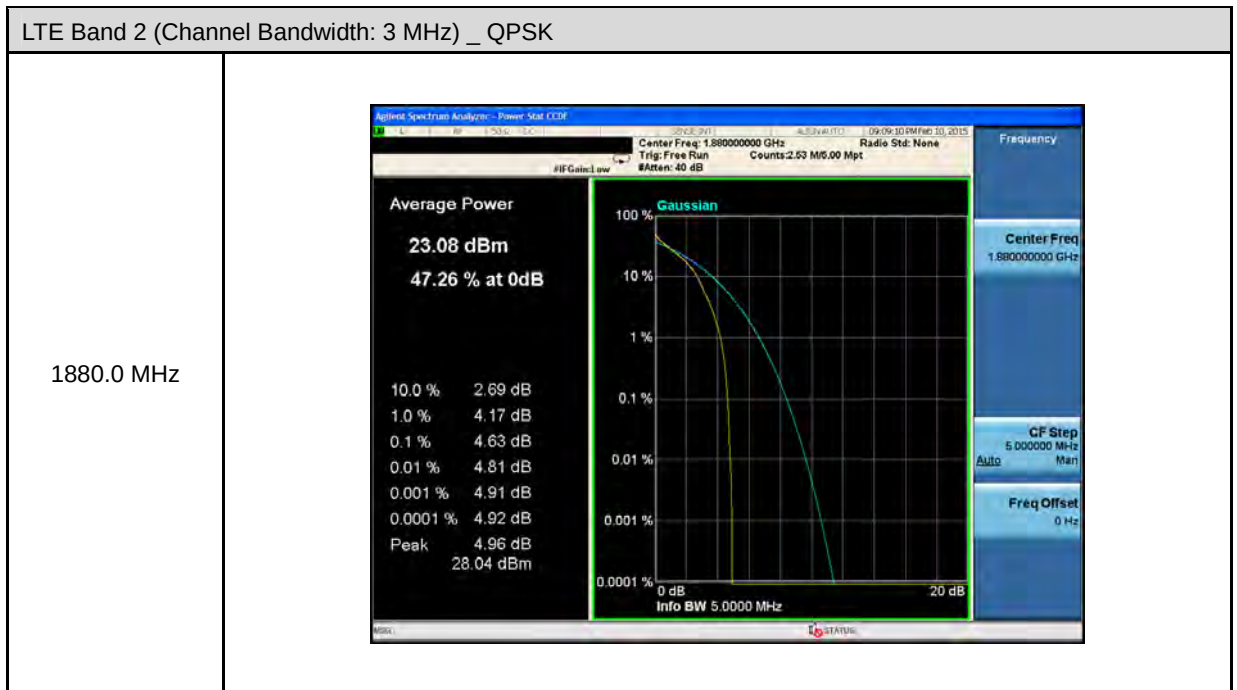
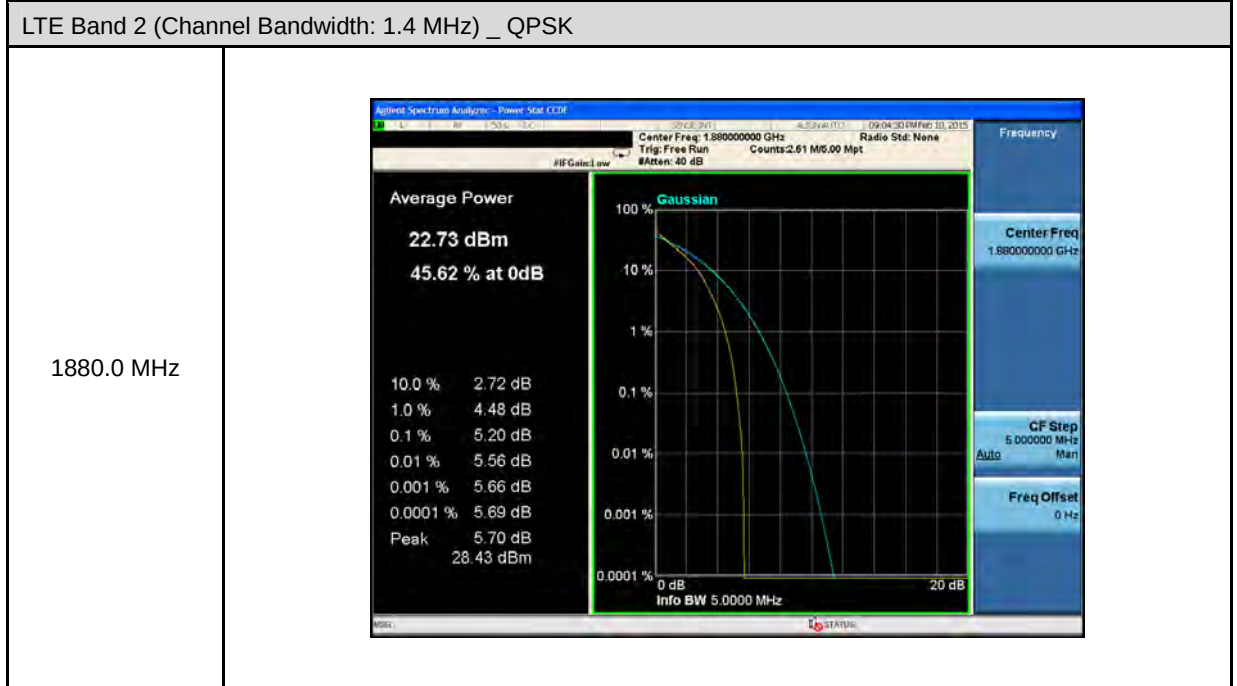
LTE Band 25				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	1882.5	4.61	< 13
	3 MHz	1882.5	4.51	< 13
	5 MHz	1882.5	4.38	< 13
	10 MHz	1882.5	4.59	< 13
	15 MHz	1882.5	4.70	< 13
	20 MHz	1882.5	5.06	< 13
16QAM	1.4 MHz	1882.5	5.63	< 13
	3 MHz	1882.5	5.37	< 13
	5 MHz	1882.5	5.42	< 13
	10 MHz	1882.5	5.42	< 13
	15 MHz	1882.5	5.65	< 13
	20 MHz	1882.5	5.73	< 13

LTE Band 26_Part 90S				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	819.0	5.45	< 13
	3 MHz	819.0	5.33	< 13
	5 MHz	819.0	5.00	< 13
	10 MHz	819.0	4.06	< 13
16QAM	1.4 MHz	819.0	5.65	< 13
	3 MHz	819.0	5.38	< 13
	5 MHz	819.0	5.19	< 13
	10 MHz	819.0	4.90	< 13

LTE Band 26_Part 22H				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	831.5	4.11	< 13
	3 MHz	831.5	4.18	< 13
	5 MHz	831.5	4.17	< 13
	10 MHz	831.5	4.48	< 13
	15 MHz	831.5	4.74	< 13
16QAM	1.4 MHz	831.5	5.21	< 13
	3 MHz	831.5	5.01	< 13
	5 MHz	831.5	5.10	< 13
	10 MHz	831.5	5.32	< 13
	15 MHz	831.5	5.55	< 13

LTE Band 41				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	5 MHz	2593.0	7.06	< 13
	10 MHz	2593.0	7.34	< 13
	15 MHz	2593.0	7.21	< 13
	20 MHz	2593.0	7.32	< 13
16QAM	5 MHz	2593.0	7.73	< 13
	10 MHz	2593.0	7.59	< 13
	15 MHz	2593.0	7.75	< 13
	20 MHz	2593.0	7.85	< 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



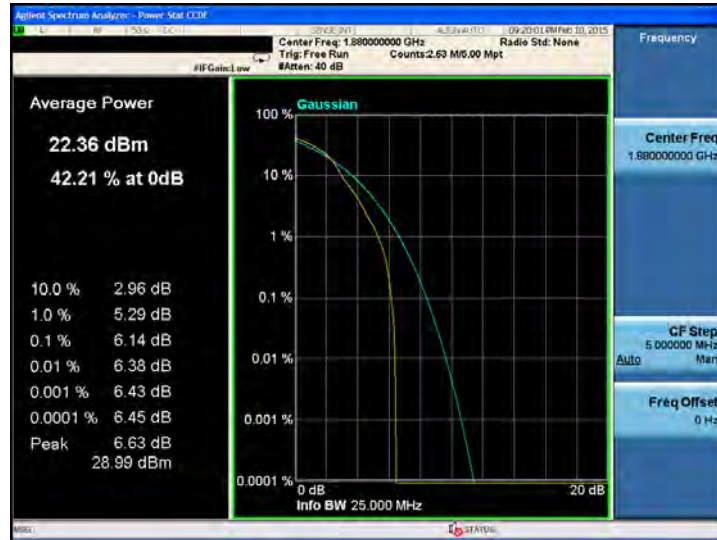
LTE Band 2 (Channel Bandwidth: 10 MHz) _ 16QAM

1880.0 MHz



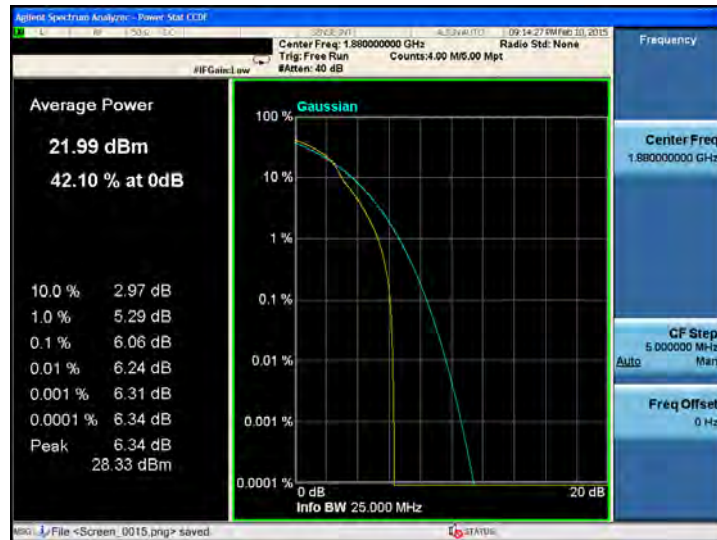
LTE Band 2 (Channel Bandwidth: 15 MHz) _ 16QAM

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



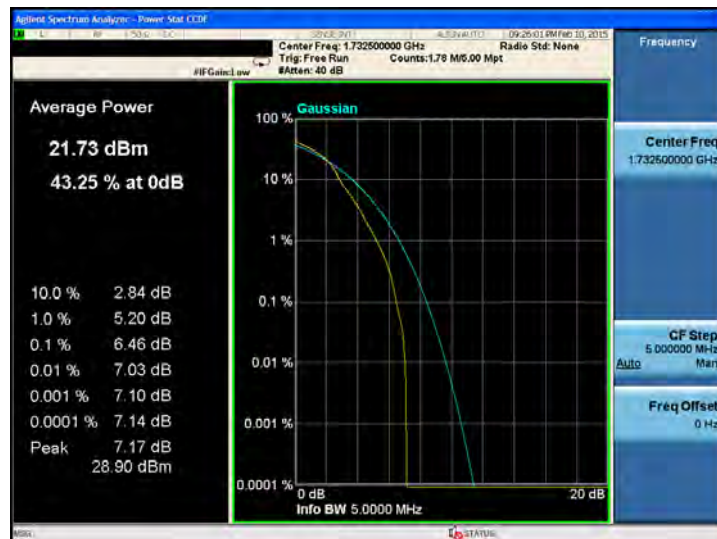
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ 16QAM

1732.5 MHz



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

1732.5 MHz



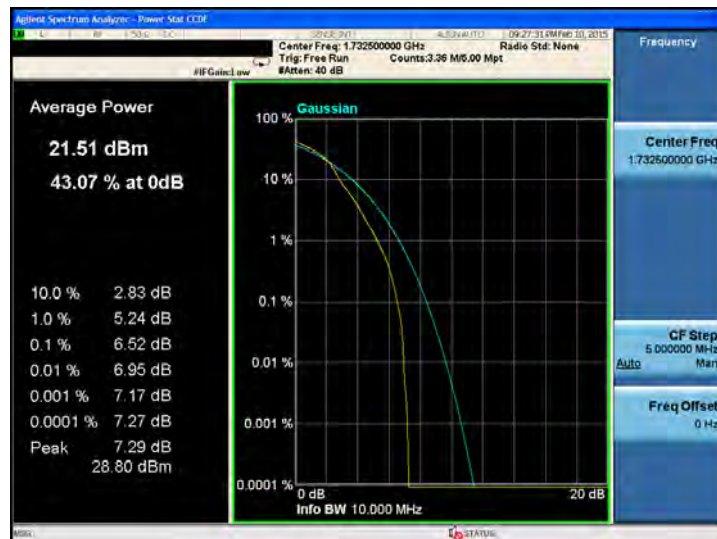
LTE Band 4 (Channel Bandwidth: 5 MHz) _ 16QAM

1732.5 MHz



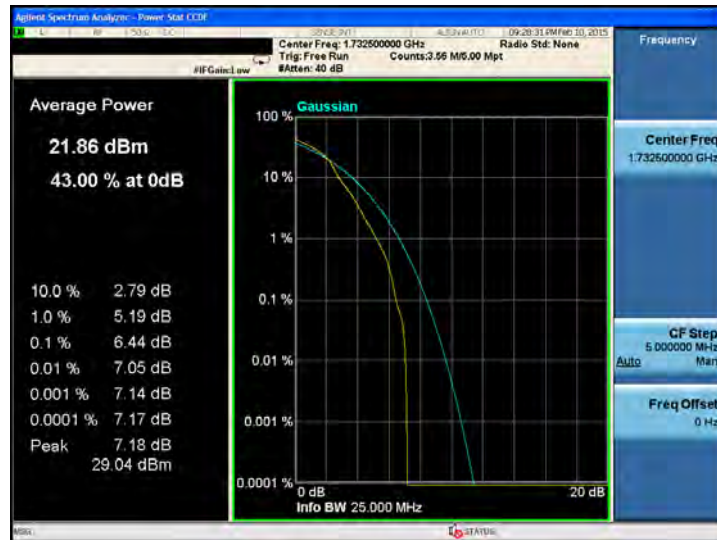
LTE Band 4 (Channel Bandwidth: 10 MHz) _ 16QAM

1732.5 MHz



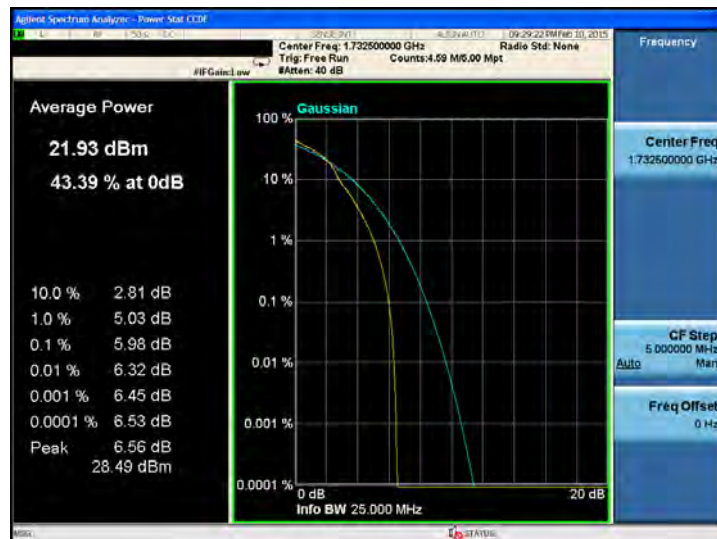
LTE Band 4 (Channel Bandwidth: 15 MHz) _ 16QAM

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



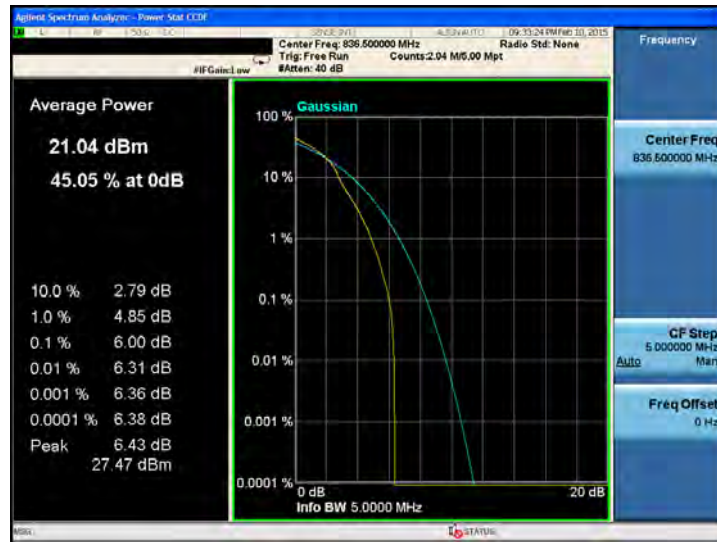
LTE Band 5 (Channel Bandwidth: 10 MHz) _ QPSK

836.5 MHz



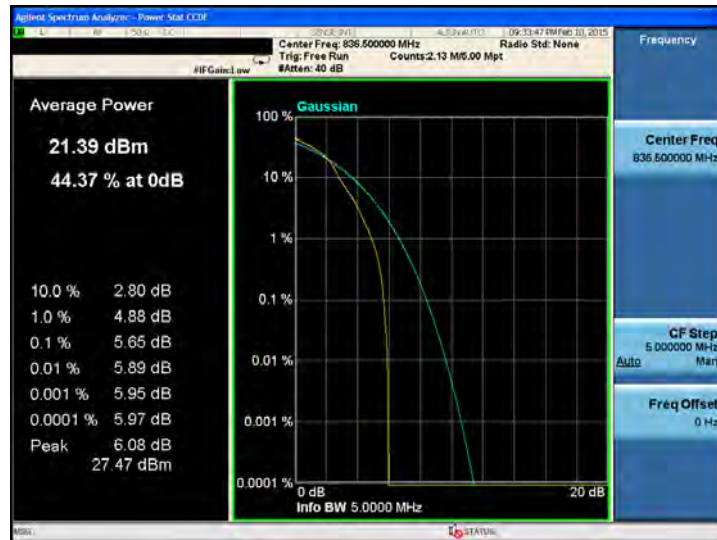
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ 16QAM

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



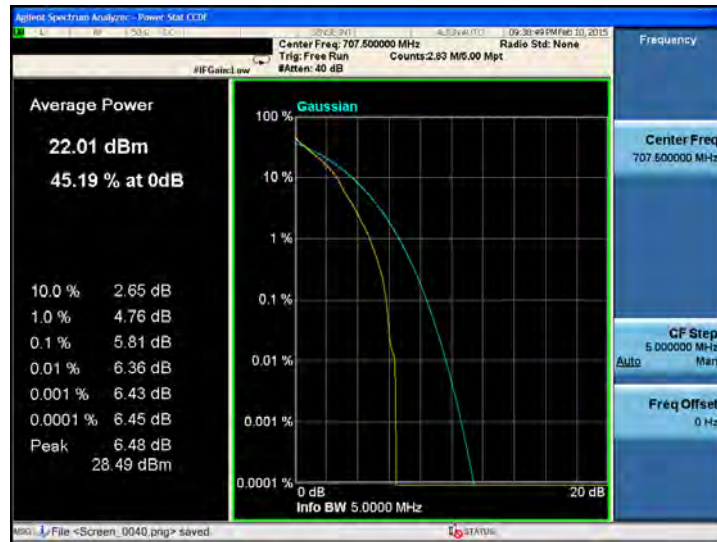
LTE Band 12 (Channel Bandwidth: 1.4 MHz) _ QPSK

707.5 MHz



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

707.5 MHz



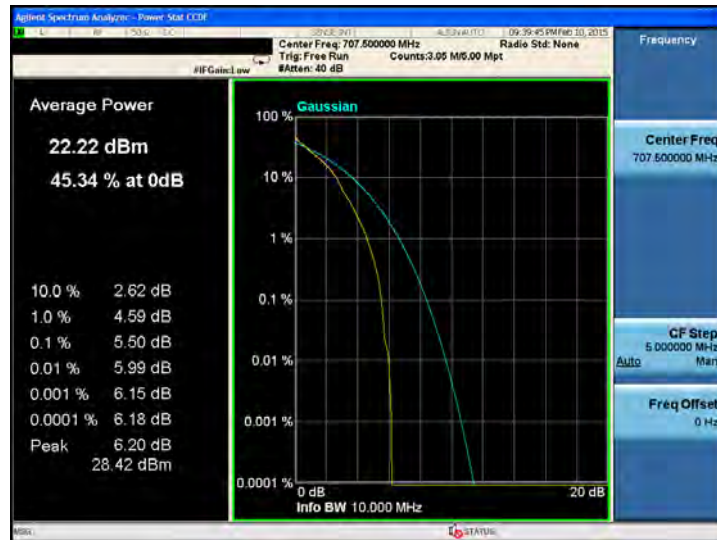
LTE Band 12 (Channel Bandwidth: 5 MHz) _ QPSK

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 25 (Channel Bandwidth: 1.4 MHz) _ QPSK

1882.5 MHz



LTE Band 25 (Channel Bandwidth: 3 MHz) _ QPSK

1882.5 MHz



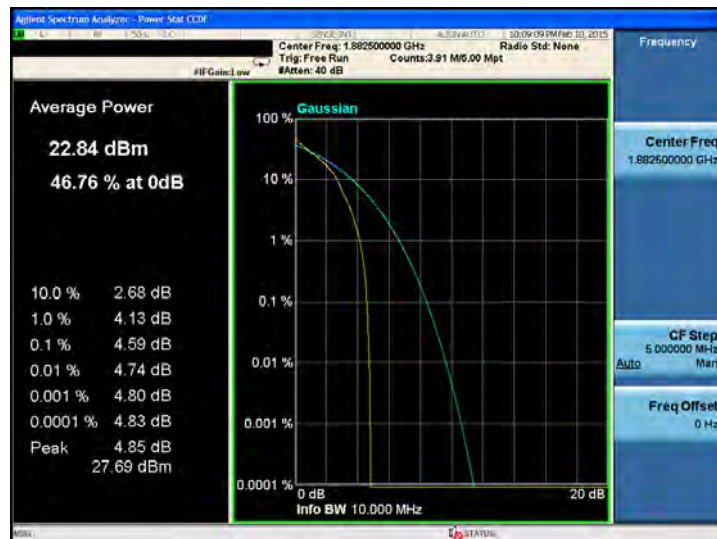
LTE Band 25 (Channel Bandwidth: 5 MHz) _ QPSK

1882.5 MHz



LTE Band 25 (Channel Bandwidth: 10 MHz) _ QPSK

1882.5 MHz



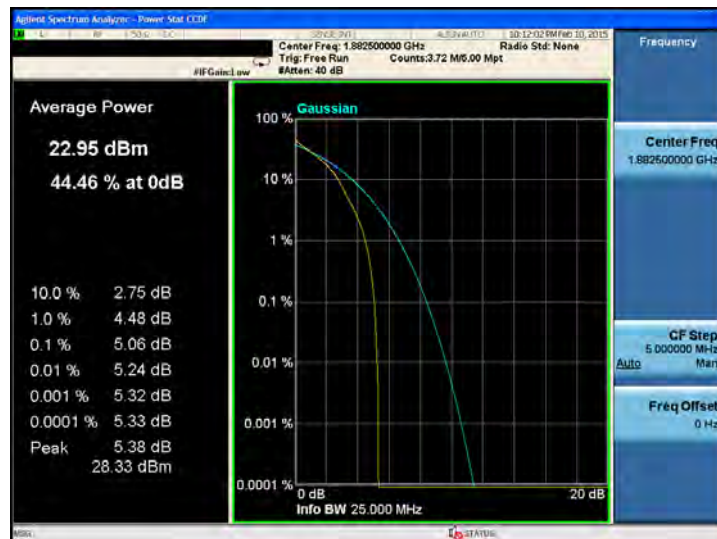
LTE Band 25 (Channel Bandwidth: 15 MHz) _ QPSK

1882.5 MHz



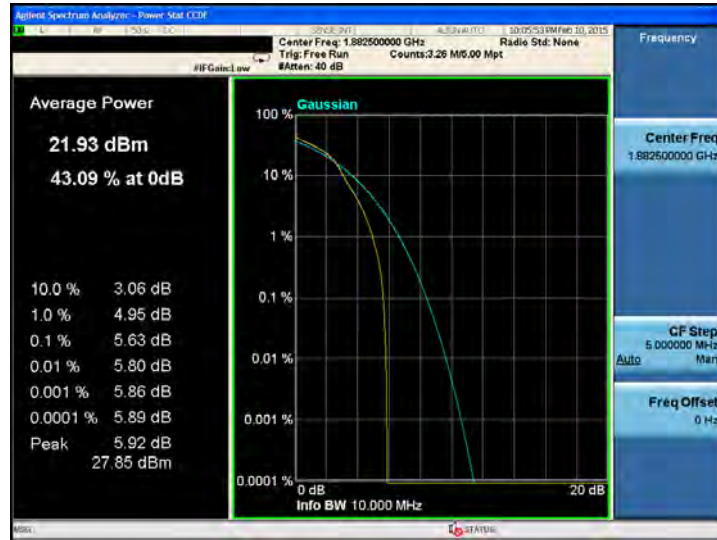
LTE Band 25 (Channel Bandwidth: 20 MHz) _ QPSK

1882.5 MHz



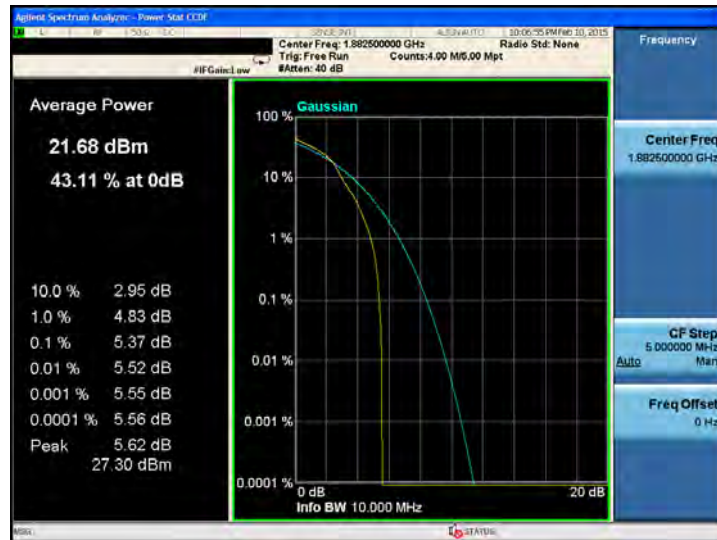
LTE Band 25 (Channel Bandwidth: 1.4 MHz) _ 16QAM

1882.5 MHz



LTE Band 25 (Channel Bandwidth: 3 MHz) _ 16QAM

1882.5 MHz



LTE Band 25 (Channel Bandwidth: 5 MHz) _ 16QAM

1882.5 MHz



LTE Band 25 (Channel Bandwidth: 10 MHz) _ 16QAM

1882.5 MHz



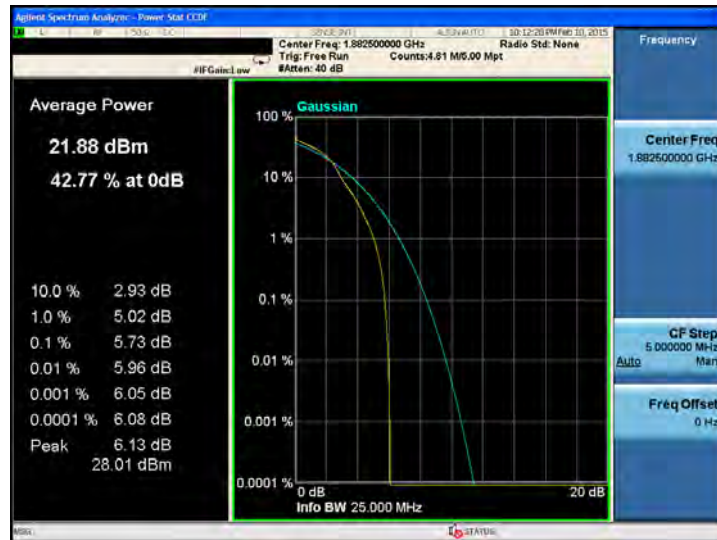
LTE Band 25 (Channel Bandwidth: 15 MHz) _ 16QAM

1882.5 MHz



LTE Band 25 (Channel Bandwidth: 20 MHz) _ 16QAM

1882.5 MHz



LTE Band 26_Part 90S (Channel Bandwidth: 1.4 MHz) _ QPSK

819.0 MHz



LTE Band 26_Part 90S (Channel Bandwidth: 3 MHz) _ QPSK

819.0 MHz



LTE Band 26_Part 90S (Channel Bandwidth: 5 MHz) _ QPSK

819.0 MHz



LTE Band 26_Part 90S (Channel Bandwidth: 10 MHz) _ QPSK

819.0 MHz



LTE Band 26_Part 90S (Channel Bandwidth: 1.4 MHz) _ 16QAM

819.0 MHz



LTE Band 26_Part 90S (Channel Bandwidth: 3 MHz) _ 16QAM

819.0 MHz



LTE Band 26_Part 90S (Channel Bandwidth: 5 MHz) _ 16QAM

819.0 MHz



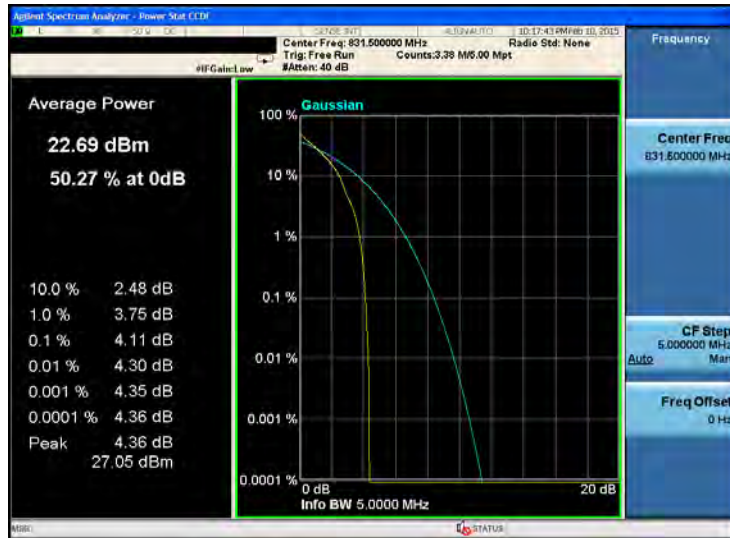
LTE Band 26_Part 90S (Channel Bandwidth: 10 MHz) _ 16QAM

819.0 MHz



LTE Band 26_Part 22H (Channel Bandwidth: 1.4 MHz) _ QPSK

831.5 MHz



LTE Band 26_Part 22H (Channel Bandwidth: 3 MHz) _ QPSK

831.5 MHz



LTE Band 26_Part 22H (Channel Bandwidth: 5 MHz) _ QPSK

831.5 MHz



LTE Band 26_Part 22H (Channel Bandwidth: 10 MHz) _ QPSK

831.5 MHz



LTE Band 26_Part 22H (Channel Bandwidth: 15 MHz) _ QPSK

831.5 MHz



LTE Band 26_Part 22H (Channel Bandwidth: 1.4 MHz) _ 16QAM

831.5 MHz



LTE Band 26_Part 22H (Channel Bandwidth: 3 MHz) _ 16QAM

831.5 MHz



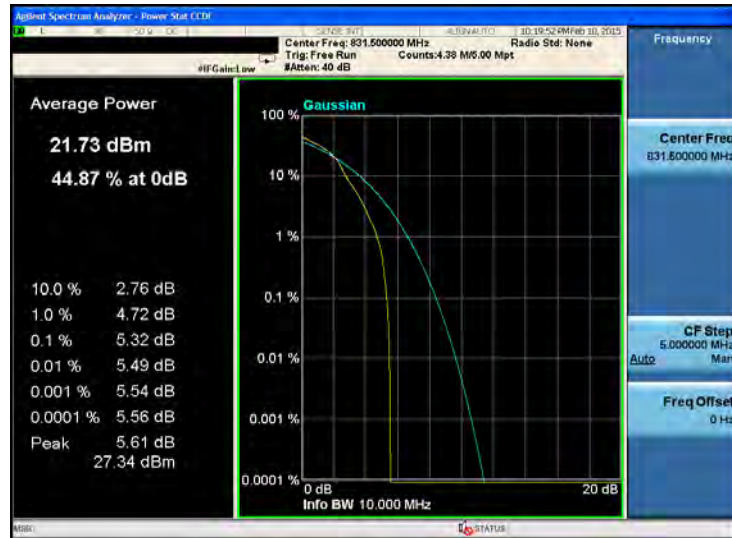
LTE Band 26_Part 22H (Channel Bandwidth: 5 MHz) _ 16QAM

831.5 MHz



LTE Band 26_Part 22H (Channel Bandwidth: 10 MHz) _ 16QAM

831.5 MHz



LTE Band 26_Part 22H (Channel Bandwidth: 15 MHz) _ 16QAM

831.5 MHz



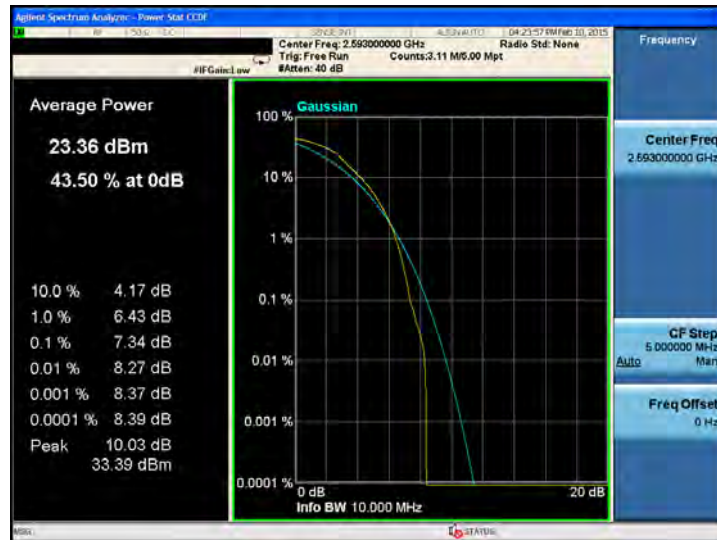
LTE Band 41 (Channel Bandwidth: 5 MHz) _ QPSK

2593.0 MHz



LTE Band 41 (Channel Bandwidth: 10 MHz) _ QPSK

2593.0 MHz



LTE Band 41 (Channel Bandwidth: 15 MHz) _ QPSK

2593.0 MHz



LTE Band 41 (Channel Bandwidth: 20 MHz) _ QPSK

2593.0 MHz



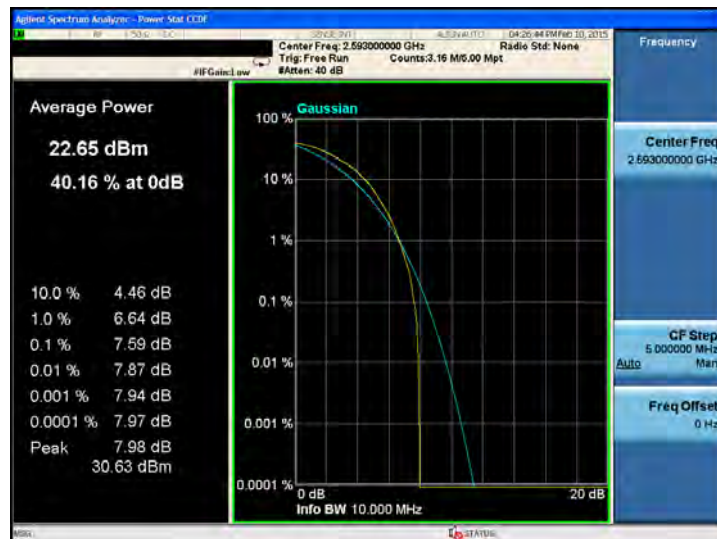
LTE Band 41 (Channel Bandwidth: 5 MHz) _ 16QAM

2593.0 MHz



LTE Band 41 (Channel Bandwidth: 10 MHz) _ 16QAM

2593.0 MHz



LTE Band 41 (Channel Bandwidth: 15 MHz) _ 16QAM

2593.0 MHz



LTE Band 41 (Channel Bandwidth: 20 MHz) _ 16QAM

2593.0 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 $43 + 10\log_{10}(P)$ dB at the channel edge and $55 + 10\log_{10}(P)$ dB

at 5.5 megahertz from the channel edges.

§90.691

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 $50 + 10\log_{10} (P[\text{Watts}])$ at Band Edge and for all out-of-band emissions within 37.5Khz of Block Edge.

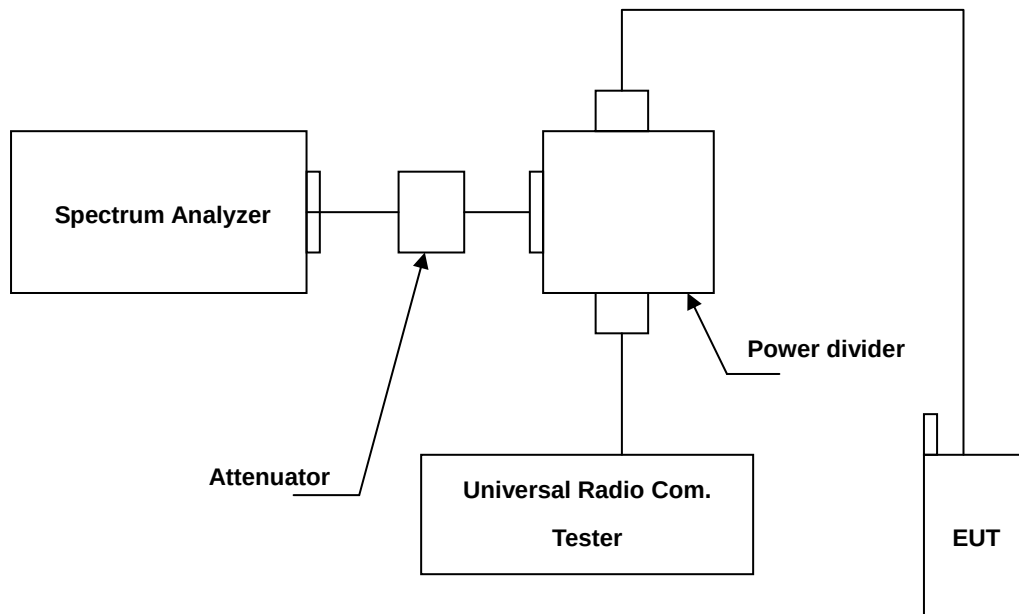
7.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/10/2014	(1)
Wideband Radio Communication Test	R & S	CMW500	103168	11/05/2013	(1)
Attenuator	RADIAL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

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

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

7.3. Setup



7.4. Test Procedure

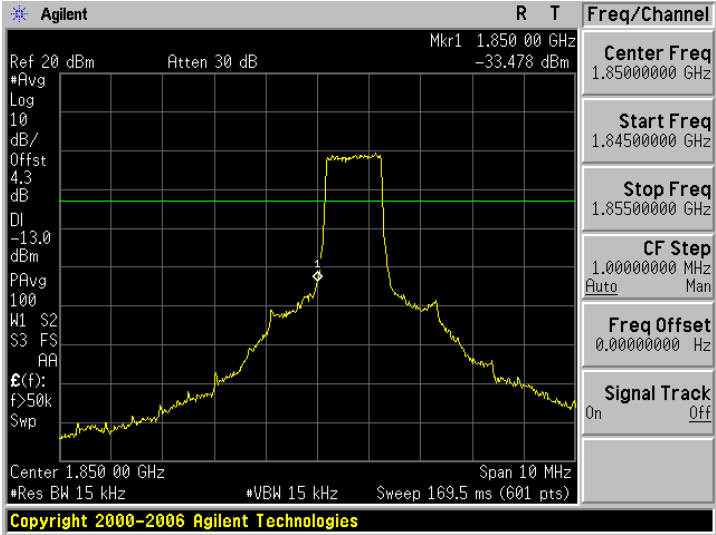
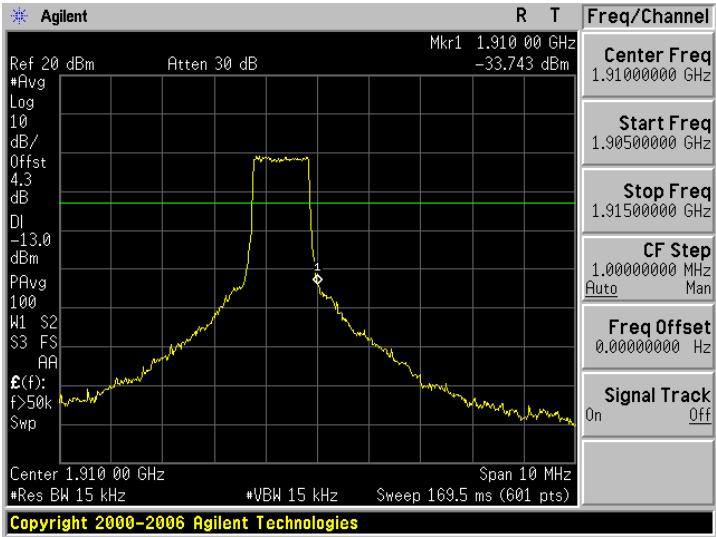
The measurement is made according to FCC rules:

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

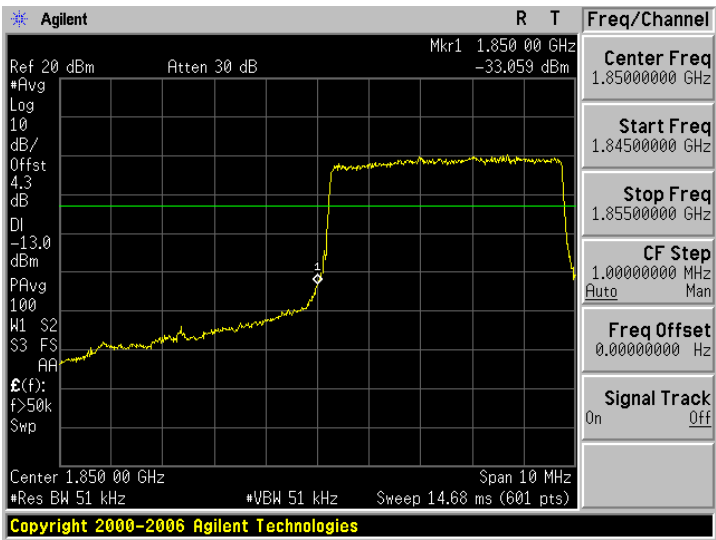
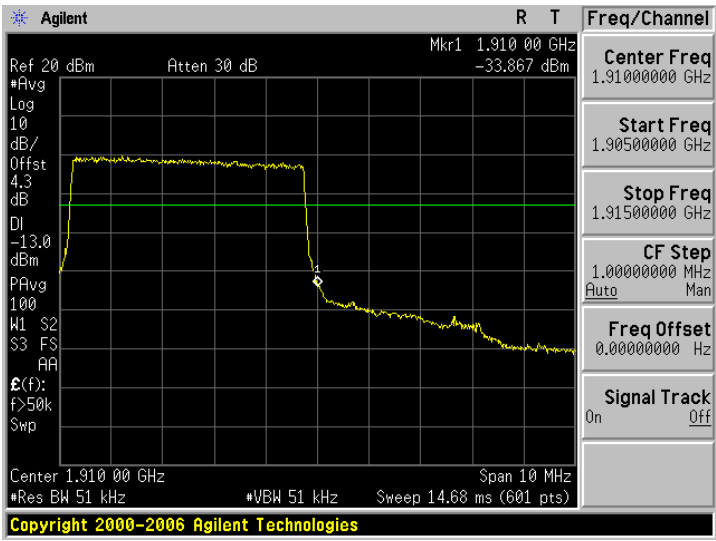
7.5. Uncertainty

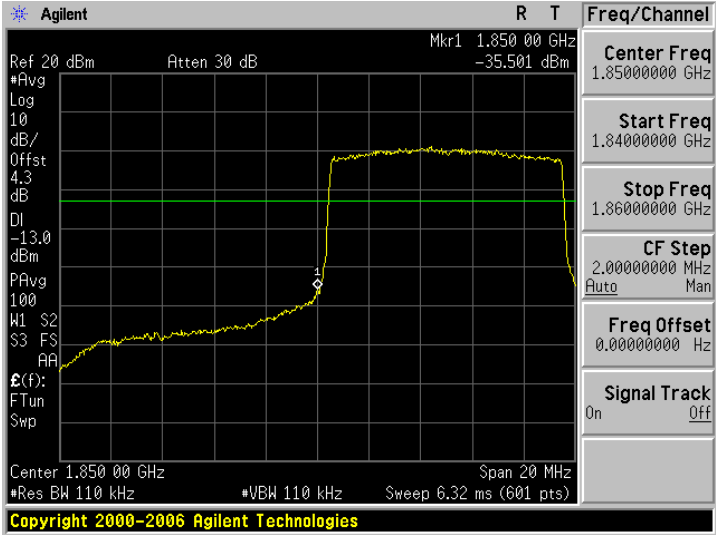
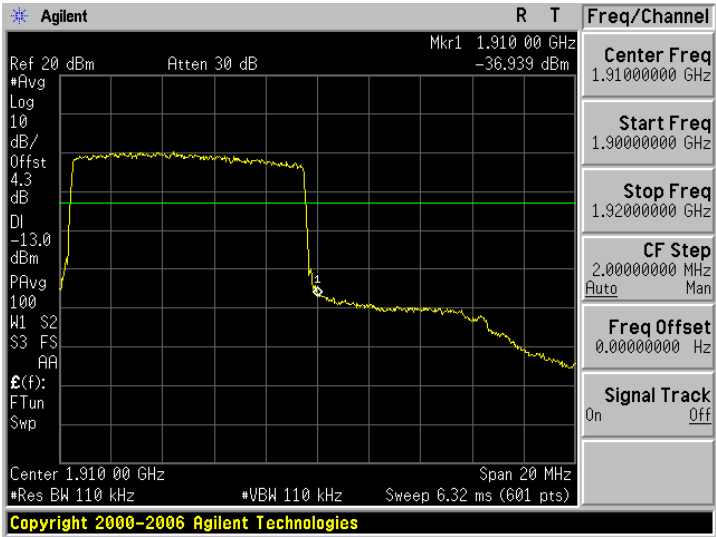
The measurement uncertainty is defined as for Conducted Power measurement is 1.2 dB.

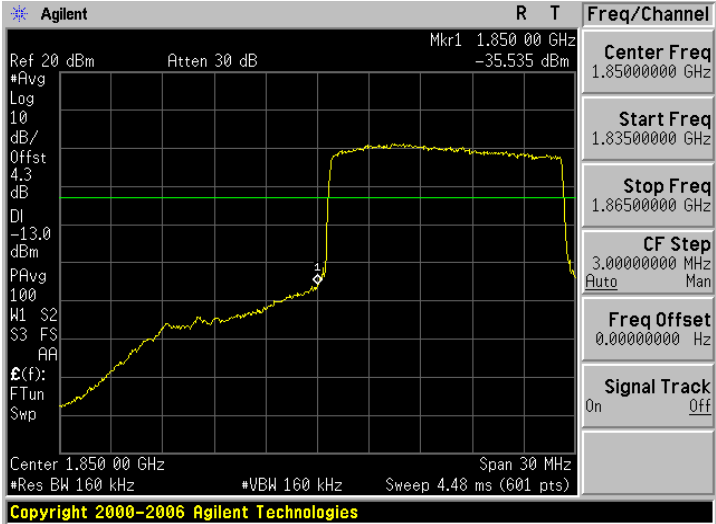
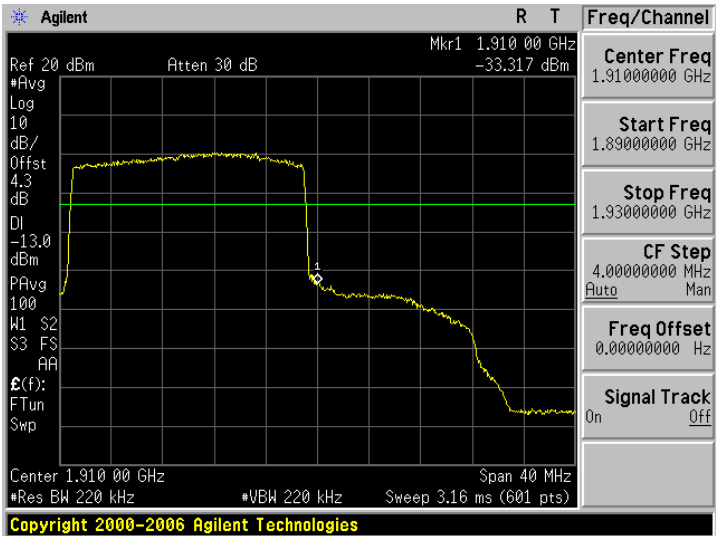
7.6. Test Result

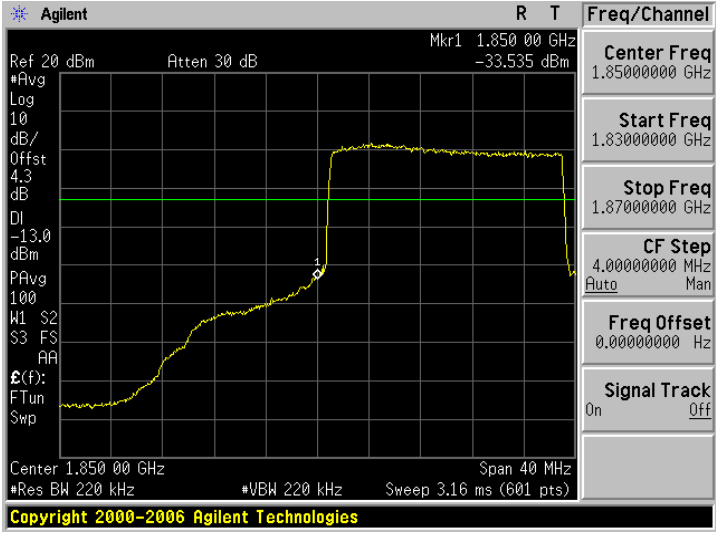
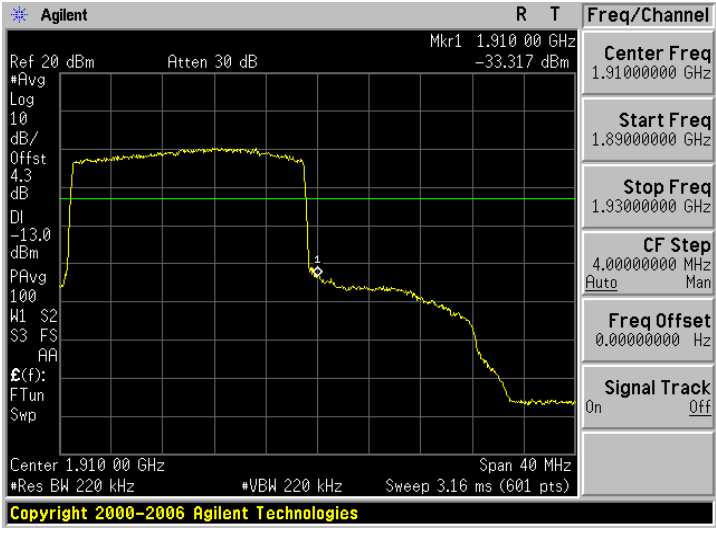
Frequency	LTE Band 2	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

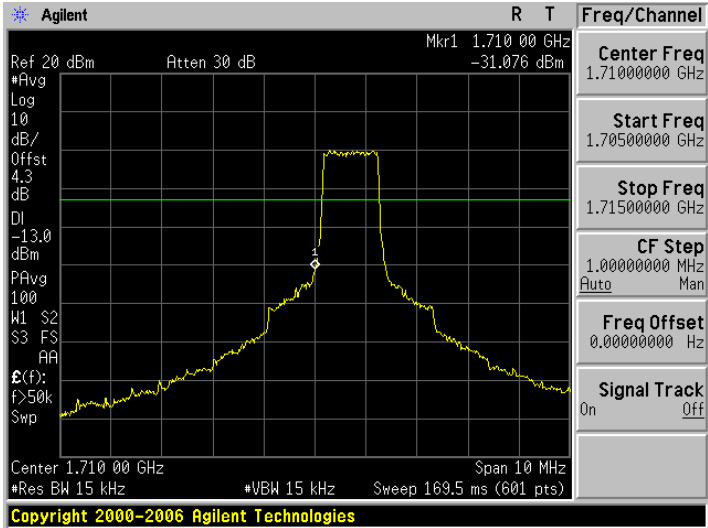
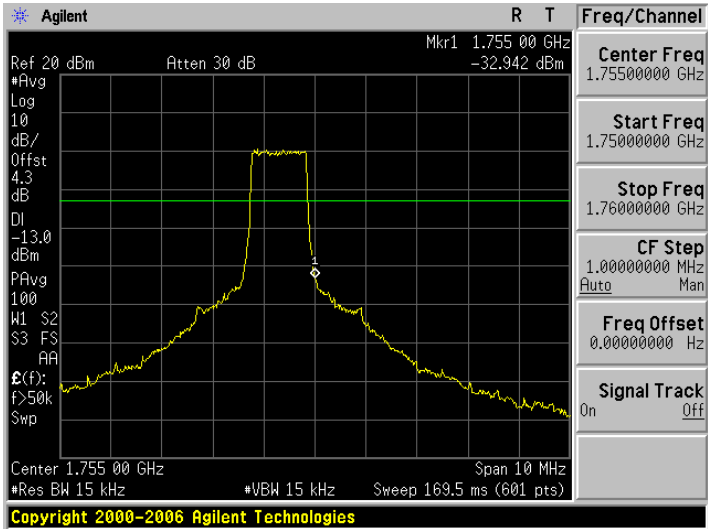
Frequency	LTE Band 2	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.850 00 GHz -30.140 dBm *Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA Center 1.850 00 GHz Span 10 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 35.04 ms (601 pts) 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 -30.767 dBm *Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA Center 1.910 00 GHz Span 10 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 35.04 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				

Frequency	LTE Band 2	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	 Agilent Spectrum Analyzer Screenshot for Lower Band Edge: - Center Freq: 1.8500000 GHz - Start Freq: 1.8450000 GHz - Stop Freq: 1.8550000 GHz - CF Step: 1.0000000 MHz - Freq Offset: 0.0000000 Hz - Signal Track: On - Center: 1.850 00 GHz - Res BW: 51 kHz - Span: 10 MHz - Sweep: 14.68 ms (601 pts)				
Higher Band Edge	 Agilent Spectrum Analyzer Screenshot for Higher Band Edge: - Center Freq: 1.9100000 GHz - Start Freq: 1.9050000 GHz - Stop Freq: 1.9150000 GHz - CF Step: 1.0000000 MHz - Freq Offset: 0.0000000 Hz - Signal Track: On - Center: 1.910 00 GHz - Res BW: 51 kHz - Span: 10 MHz - Sweep: 14.68 ms (601 pts)				

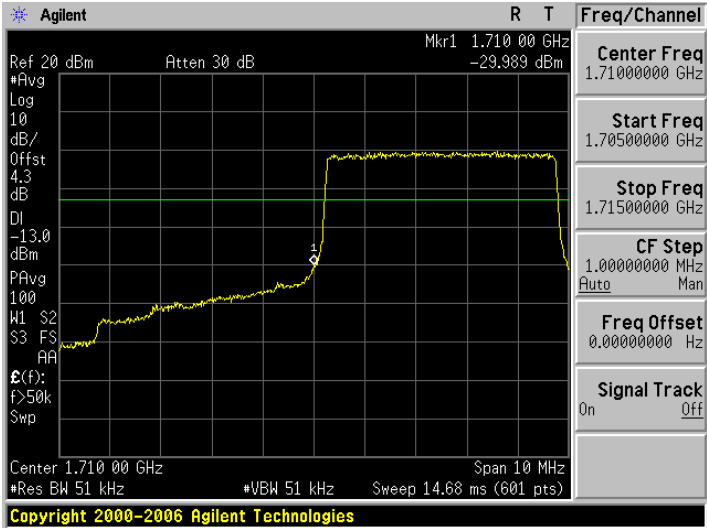
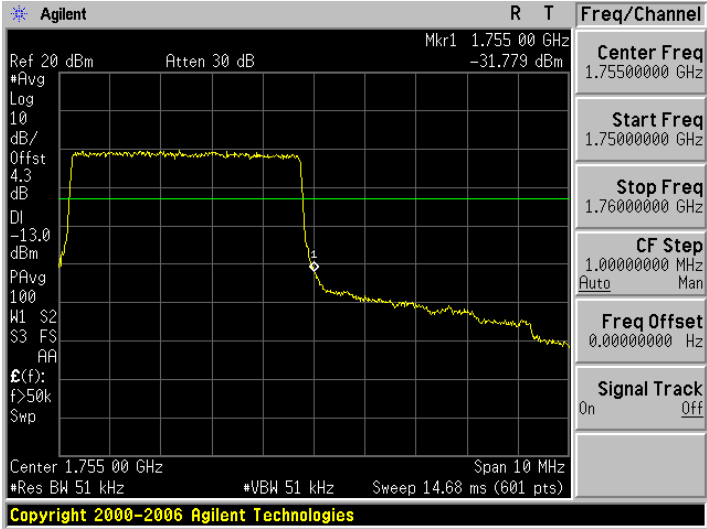
Frequency	LTE Band 2	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.850 00 GHz -35.501 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA Center 1.850 00 GHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 6.32 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 1.85000000 GHz Start Freq 1.84000000 GHz Stop Freq 1.86000000 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 1.910 00 GHz -36.939 dBm #Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA Center 1.910 00 GHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 6.32 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 1.91000000 GHz Start Freq 1.90000000 GHz Stop Freq 1.92000000 GHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				

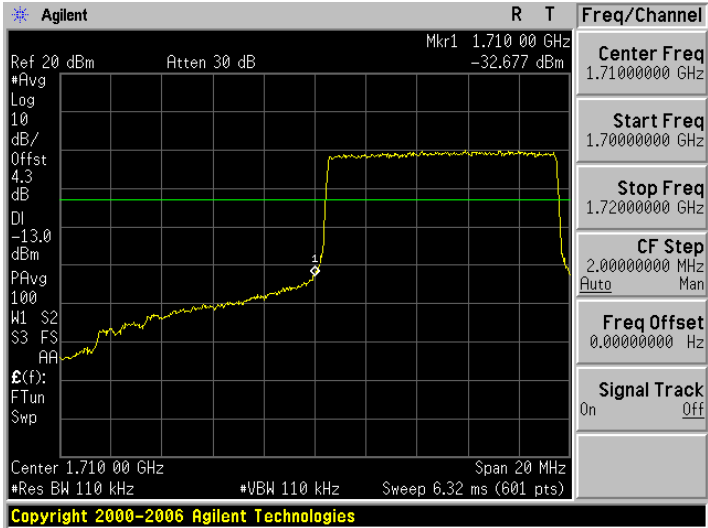
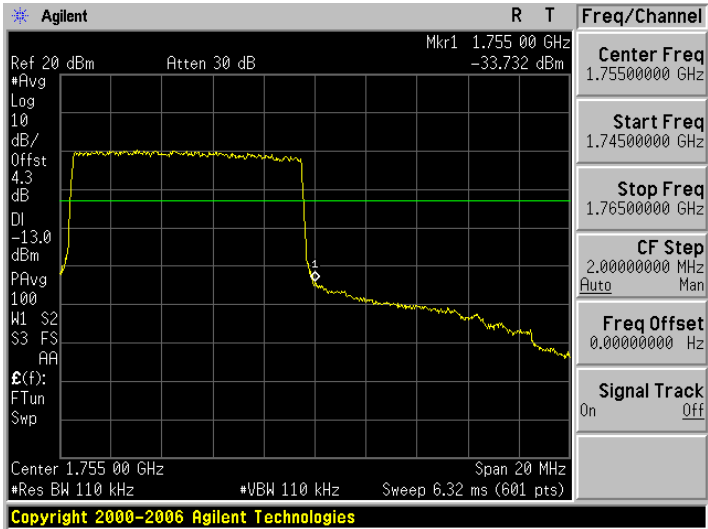
Frequency	LTE Band 2	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge	 Agilent Spectrum Analyzer Screenshot for Lower Band Edge: - Center Freq: 1.8500000 GHz - Start Freq: 1.8350000 GHz - Stop Freq: 1.8650000 GHz - CF Step: 3.0000000 MHz - Freq Offset: 0.0000000 Hz - Signal Track: On - Center: 1.850 00 GHz - Span: 30 MHz - Res BW: 160 kHz - VBW: 160 kHz - Sweep: 4.48 ms (601 pts)				
Higher Band Edge	 Agilent Spectrum Analyzer Screenshot for Higher Band Edge: - Center Freq: 1.9100000 GHz - Start Freq: 1.8900000 GHz - Stop Freq: 1.9300000 GHz - CF Step: 4.0000000 MHz - Freq Offset: 0.0000000 Hz - Signal Track: On - Center: 1.910 00 GHz - Span: 40 MHz - Res BW: 220 kHz - VBW: 220 kHz - Sweep: 3.16 ms (601 pts)				

Frequency	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 -33.535 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 220 kHz #VBW 220 kHz Sweep 3.16 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 -33.317 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 220 kHz #VBW 220 kHz Sweep 3.16 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				

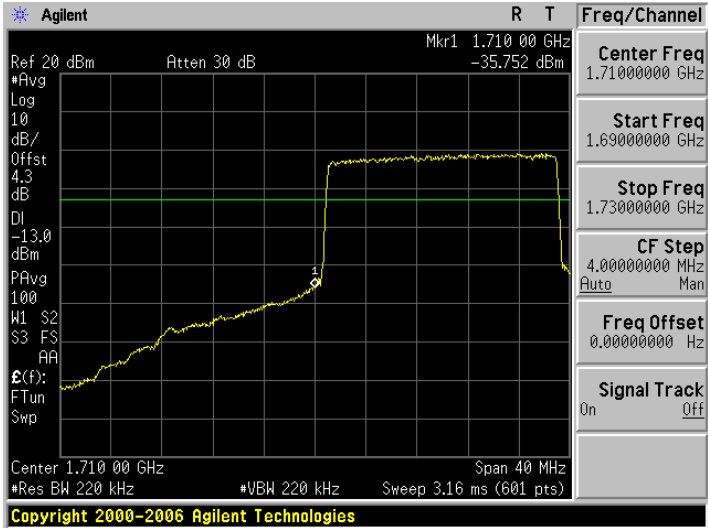
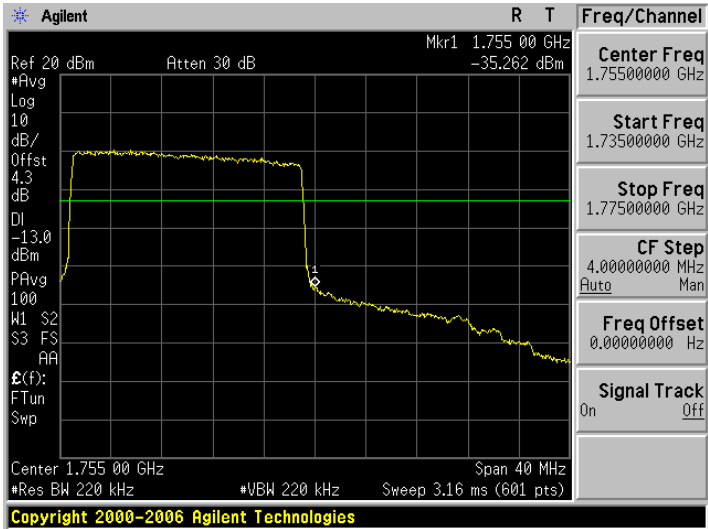
Frequency	LTE Band 4	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

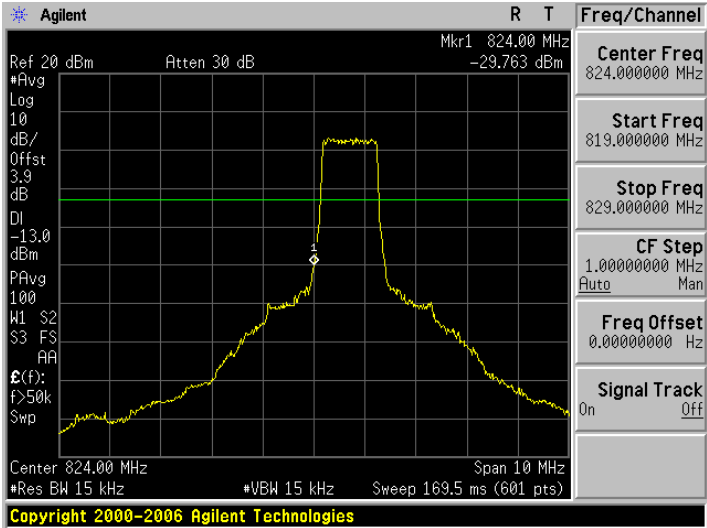
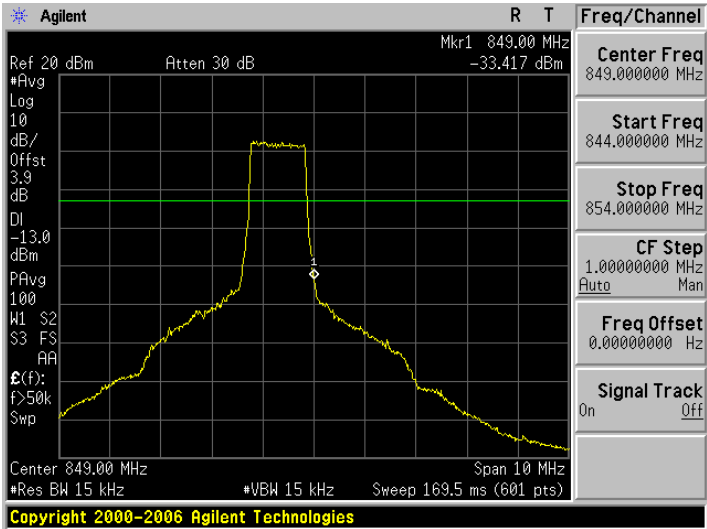
Frequency	LTE Band 4	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.710 00 GHz -28.657 dBm *Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA E(f): f>50k Swp Center 1.710 00 GHz Span 10 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 35.04 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 1.71000000 GHz Start Freq 1.70500000 GHz Stop Freq 1.71500000 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 1.755 00 GHz -31.697 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 1.755 00 GHz Span 10 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 35.04 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 1.75500000 GHz Start Freq 1.75000000 GHz Stop Freq 1.76000000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				

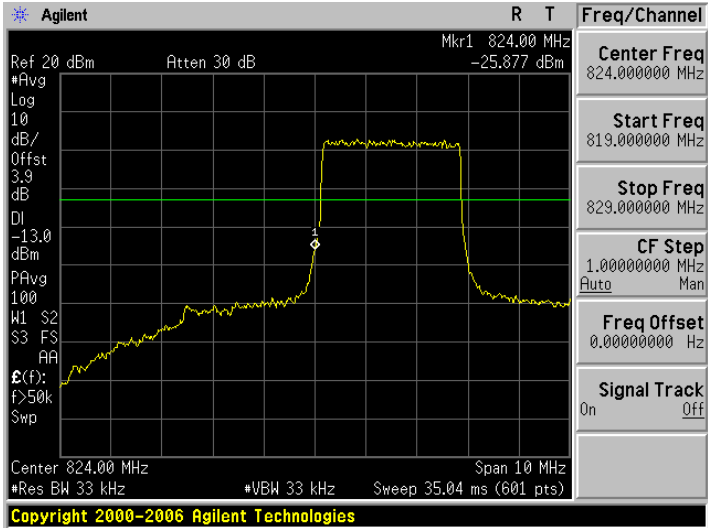
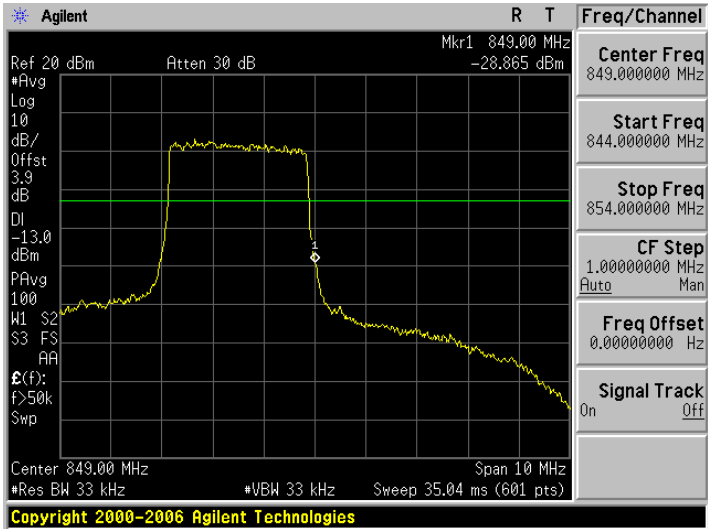
Frequency	LTE Band 4	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
Higher Band Edge					

Frequency	LTE Band 4	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.710 00 GHz -32.677 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 1.710 00 GHz Span 20 MHz *Res BW 110 kHz #VBW 110 kHz Sweep 6.32 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 1.7100000 GHz Start Freq 1.7000000 GHz Stop Freq 1.7200000 GHz CF Step 2.0000000 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 1.755 00 GHz -33.732 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 1.755 00 GHz Span 20 MHz *Res BW 110 kHz #VBW 110 kHz Sweep 6.32 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 1.7550000 GHz Start Freq 1.7450000 GHz Stop Freq 1.7650000 GHz CF Step 2.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off				

Frequency	LTE Band 5	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 -34.413 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 1.710 00 GHz Span 30 MHz *Res BW 160 kHz #VBW 160 kHz Sweep 4.48 ms (601 pts) Copyright 2000-2006 Agilent Technologies 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				
Higher Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.755 00 GHz -35.367 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 1.755 00 GHz Span 30 MHz *Res BW 160 kHz #VBW 160 kHz Sweep 4.48 ms (601 pts) Copyright 2000-2006 Agilent Technologies 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				

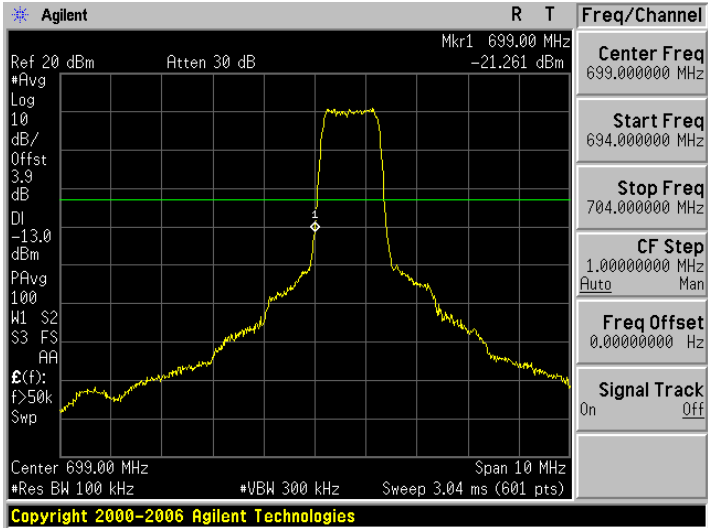
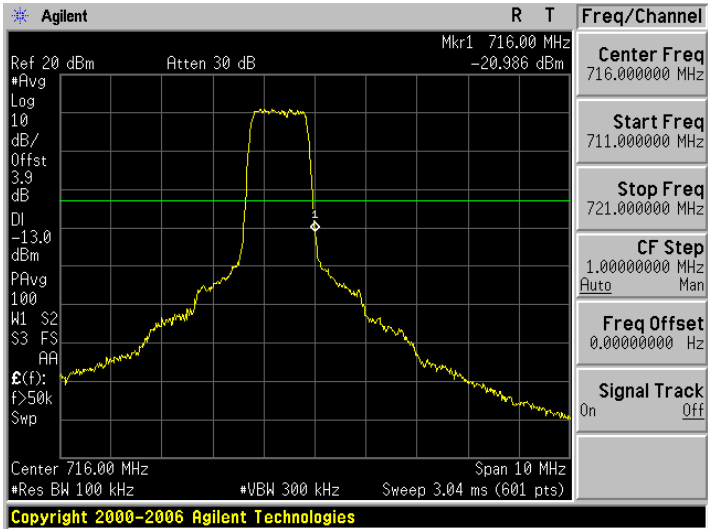
Frequency	LTE Band 4	Channel Bandwidth	20 MHz	RB Allocated	100
Lower Band Edge	 Agilent Spectrum Analyzer screenshot for Lower Band Edge. The plot shows a signal rising from -13.0 dBm at 1.69 GHz to -35.752 dBm at 1.71 GHz. The center frequency is 1.710 00 GHz. The span is 40 MHz. The resolution bandwidth is 220 kHz. The sweep is 3.16 ms (601 pts). The signal track is off.				
Higher Band Edge	 Agilent Spectrum Analyzer screenshot for Higher Band Edge. The plot shows a signal falling from -35.262 dBm at 1.755 GHz to -13.0 dBm at 1.775 GHz. The center frequency is 1.755 00 GHz. The span is 40 MHz. The resolution bandwidth is 220 kHz. The sweep is 3.16 ms (601 pts). The signal track is off.				

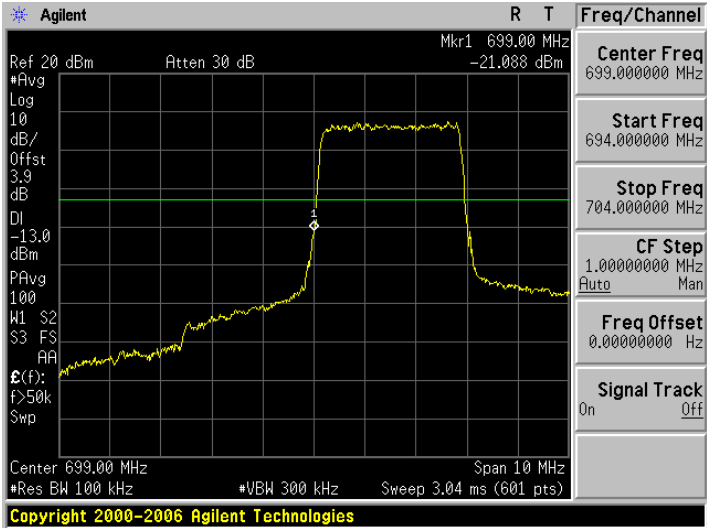
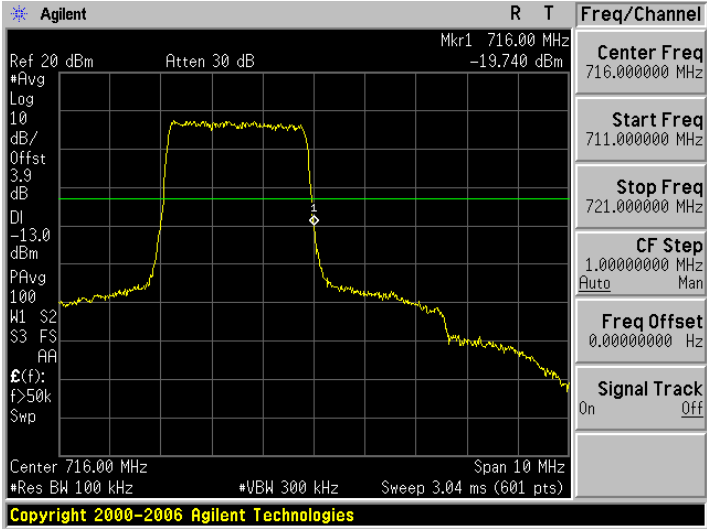
Frequency	LTE Band 5	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

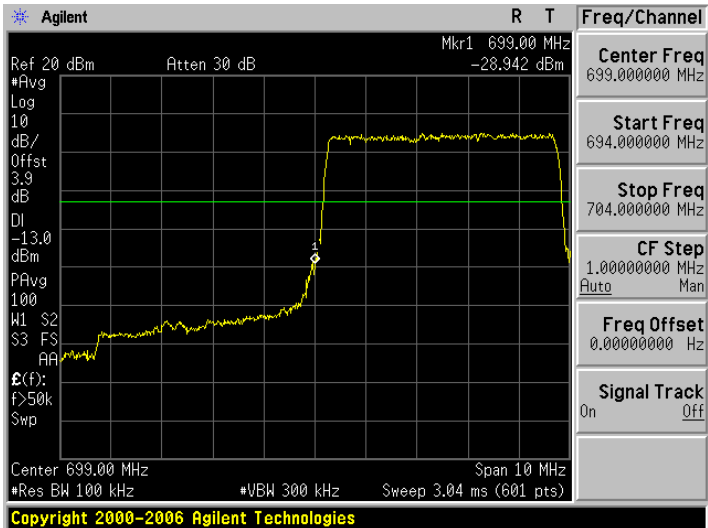
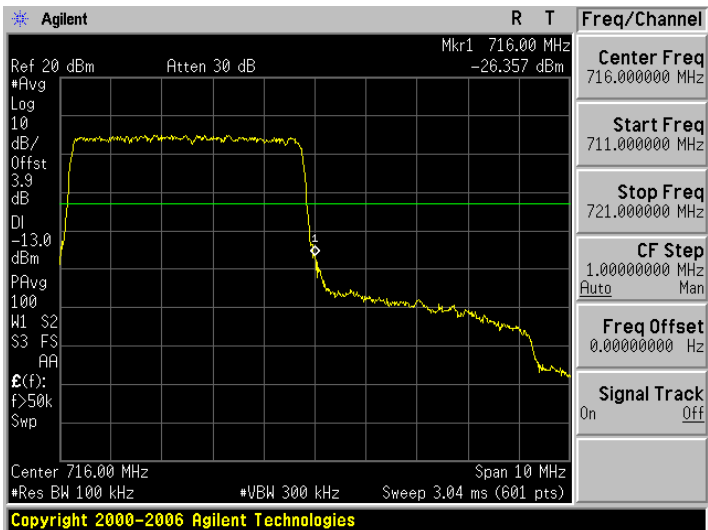
Frequency	LTE Band 5	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 824.00 MHz -25.877 dBm *Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA E(f): f>50k Swp Center 824.00 MHz Span 10 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 35.04 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 -28.865 dBm *Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA E(f): f>50k Swp Center 849.00 MHz Span 10 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 35.04 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				

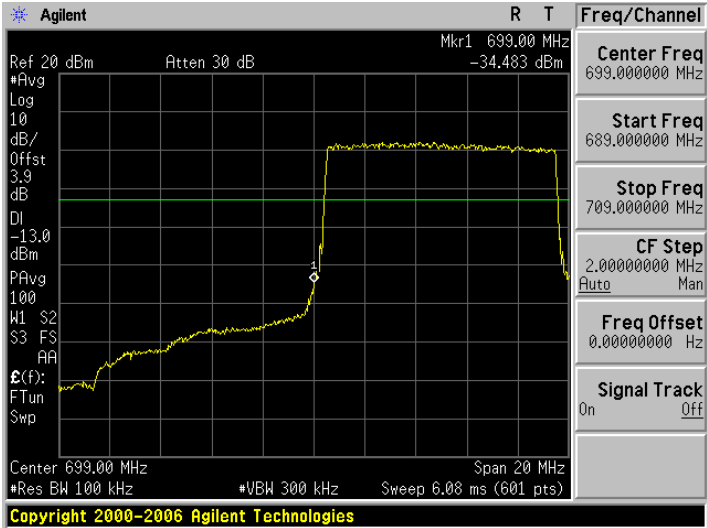
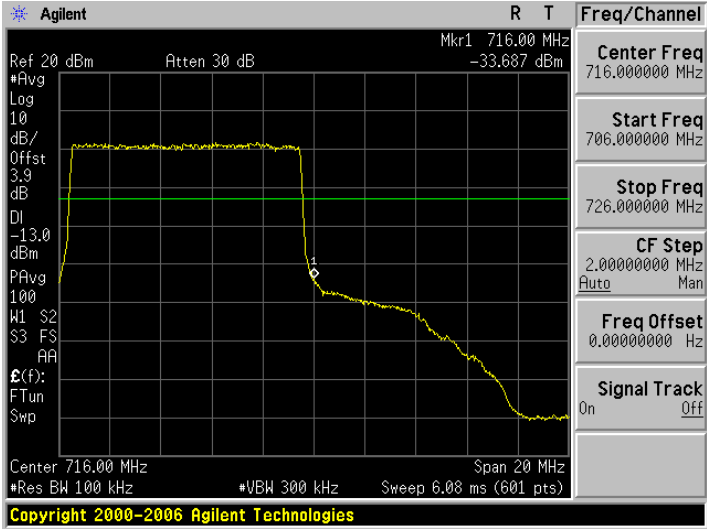
Frequency	LTE Band 5	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 824.00 MHz -28.618 dBm *Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA Center 824.00 MHz *Res BW 51 kHz Span 10 MHz Sweep 14.68 ms (601 pts) Copyright 2000–2006 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 -31.858 dBm *Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA Center 849.00 MHz *Res BW 51 kHz Span 10 MHz Sweep 14.68 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				

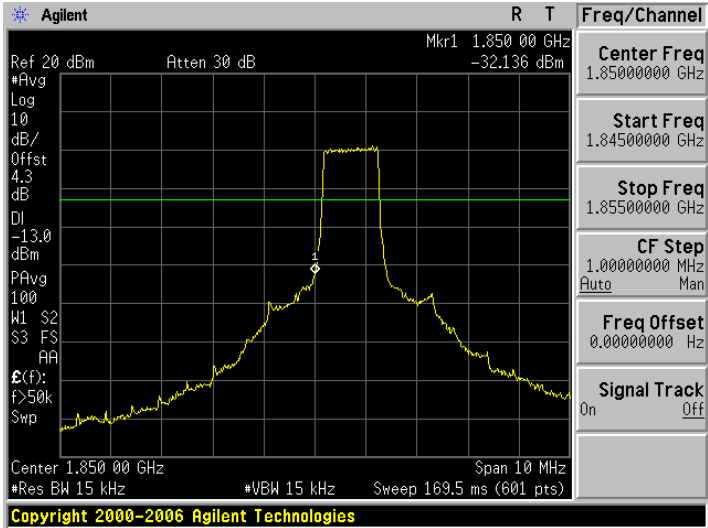
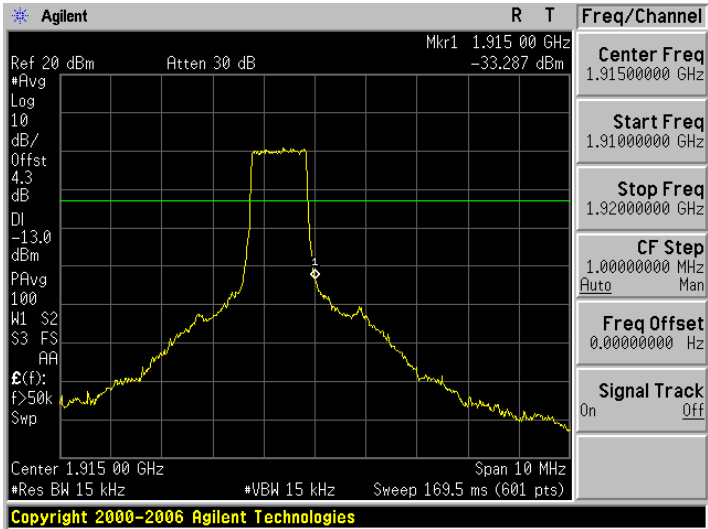
Frequency	LTE Band 5	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 824.00 MHz -32.322 dBm *Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA E(f): FTun Swp Center 824.00 MHz Span 20 MHz *Res BW 110 kHz #VBW 110 kHz Sweep 6.32 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 -35.978 dBm *Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA E(f): FTun Swp Center 849.00 MHz Span 20 MHz *Res BW 110 kHz #VBW 110 kHz Sweep 6.32 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				

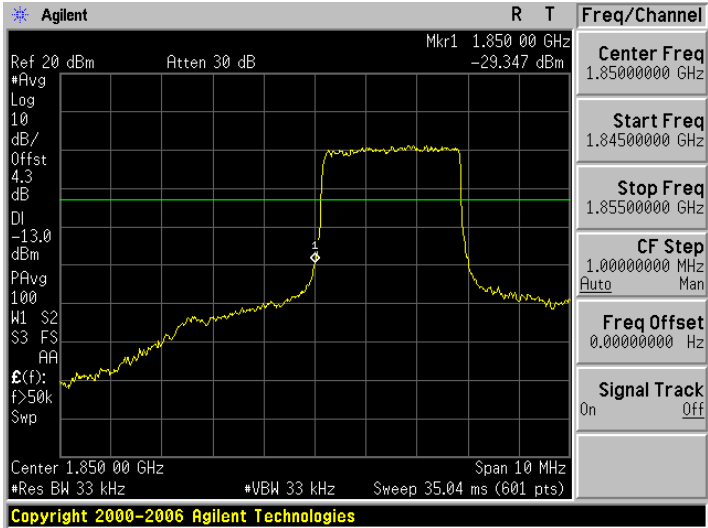
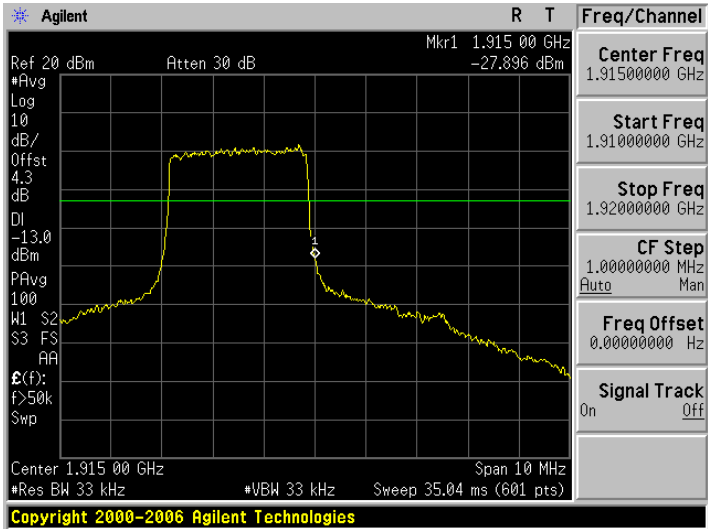
Frequency	LTE Band 12	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

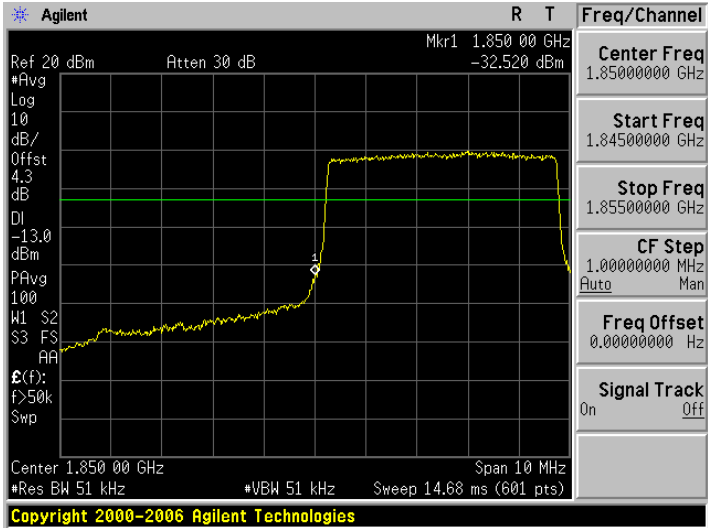
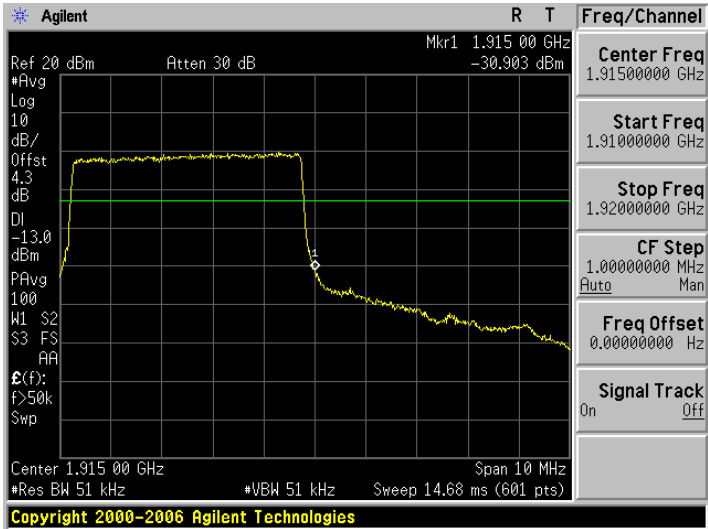
Frequency	LTE Band 12	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 699.00 MHz -21.088 dBm Center Freq 699.000000 MHz Start Freq 694.000000 MHz Stop Freq 704.000000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track 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 -19.740 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				

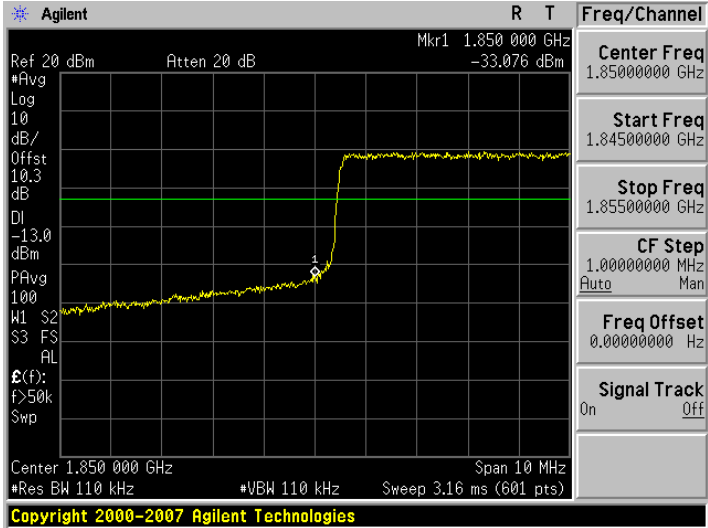
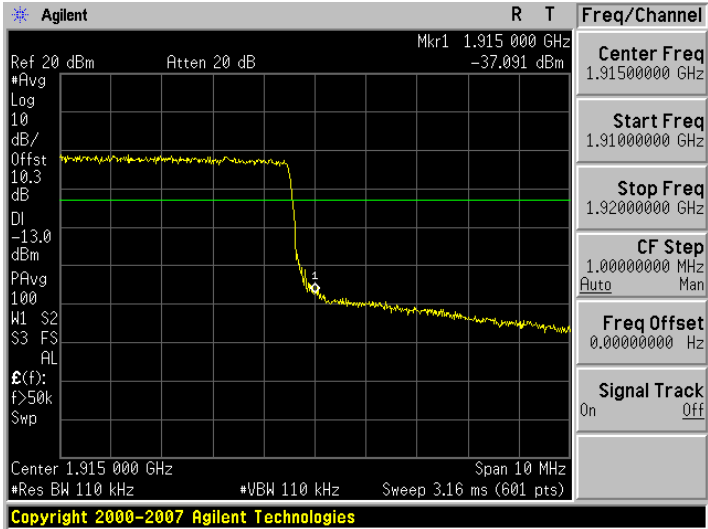
Frequency	LTE Band 12	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
Higher Band Edge					

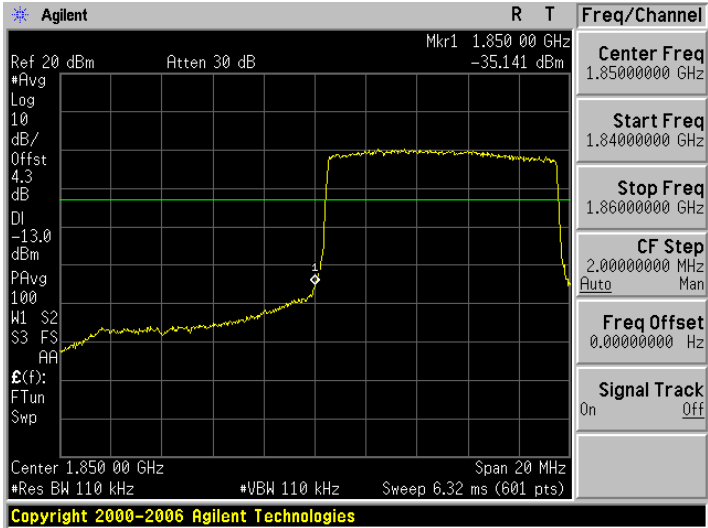
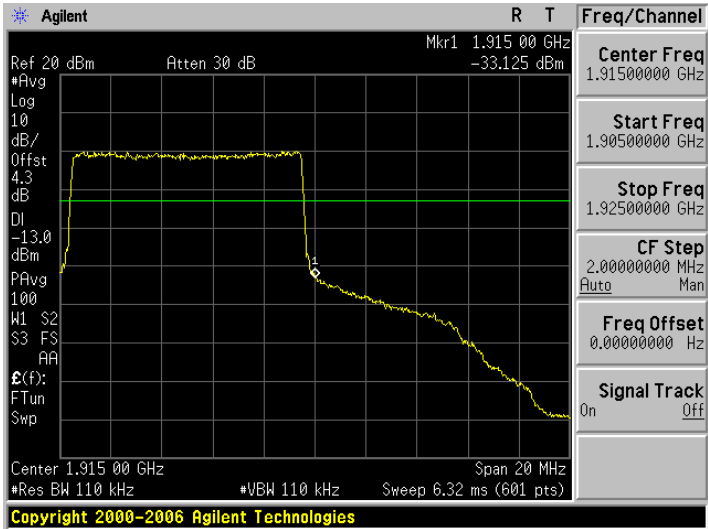
Frequency	LTE Band 12	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 699.00 MHz -34.483 dBm *Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA E(f): FTun Swp Center 699.00 MHz Span 20 MHz *Res BW 100 kHz #VBW 300 kHz Sweep 6.08 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 699.000000 MHz Start Freq 689.000000 MHz Stop Freq 709.000000 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 716.00 MHz -33.687 dBm *Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA E(f): FTun Swp 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 Center Freq 716.000000 MHz Start Freq 706.000000 MHz Stop Freq 726.000000 MHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				

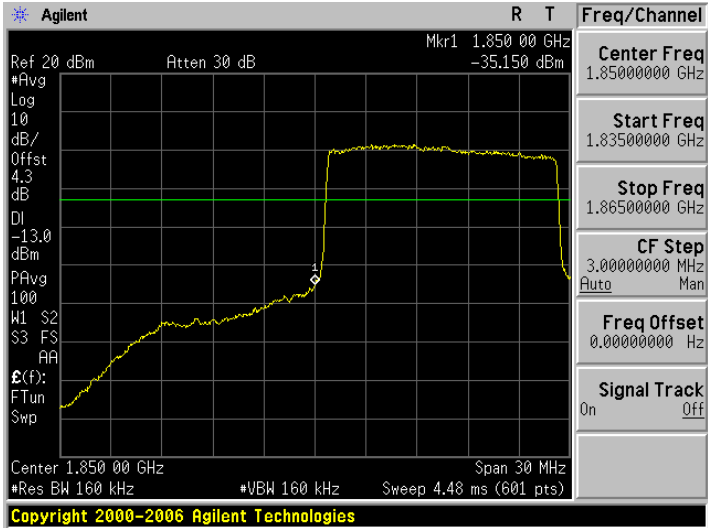
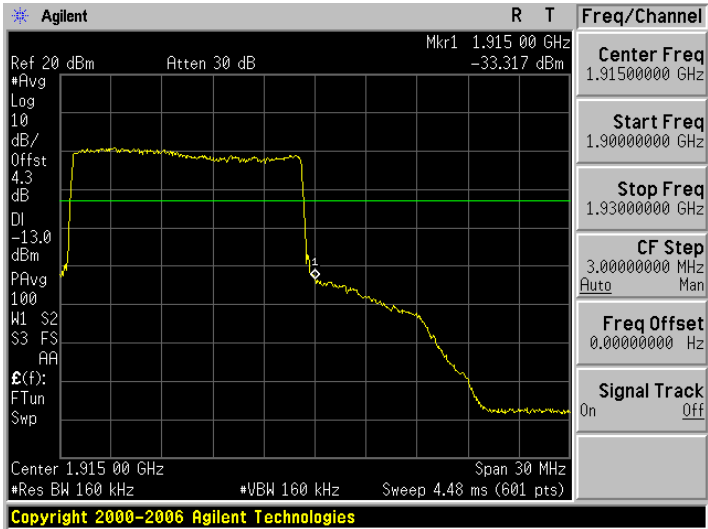
Frequency	LTE Band 25	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

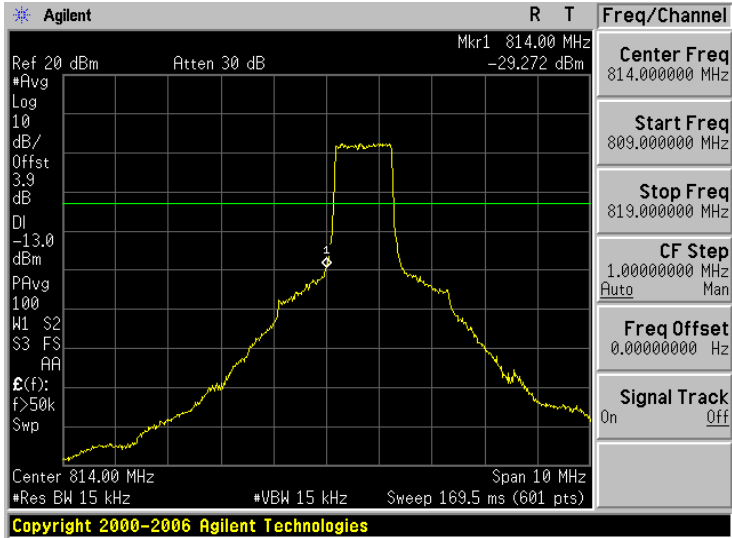
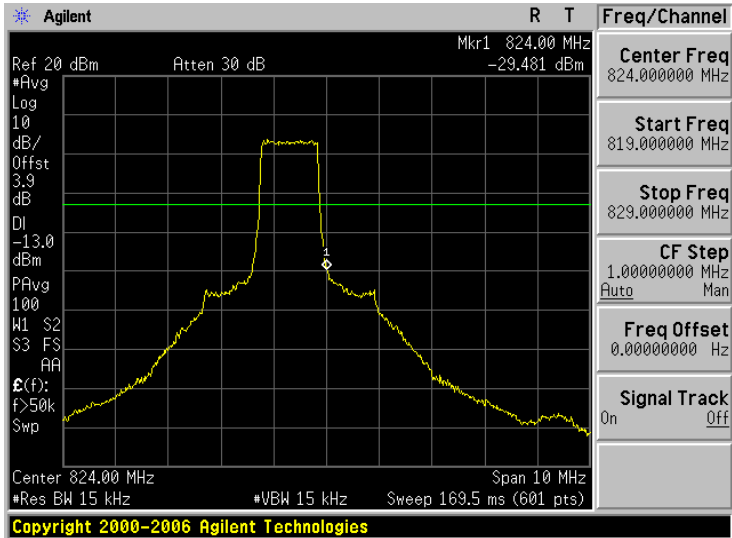
Frequency	LTE Band 25	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 1.850 00 GHz -29.347 dBm *Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA Center 1.850 00 GHz Span 10 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 35.04 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 1.8500000 GHz Start Freq 1.8450000 GHz Stop Freq 1.8550000 GHz CF Step 1.0000000 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 1.915 00 GHz -27.896 dBm *Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA Center 1.915 00 GHz Span 10 MHz *Res BW 33 kHz *VBW 33 kHz Sweep 35.04 ms (601 pts) Copyright 2000-2006 Agilent Technologies Center Freq 1.9150000 GHz Start Freq 1.9100000 GHz Stop Freq 1.9200000 GHz CF Step 1.0000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track On Off				

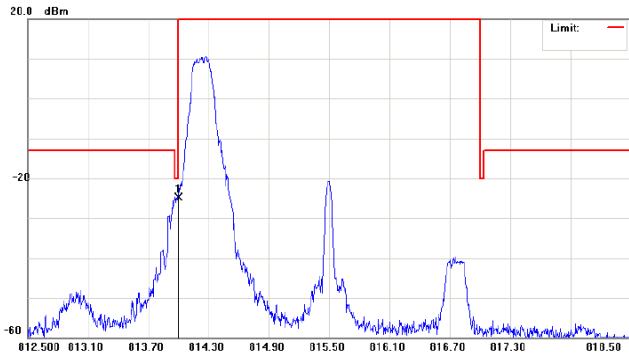
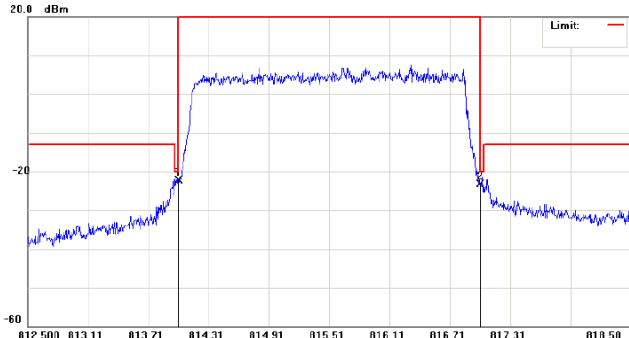
Frequency	LTE Band 25	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
Higher Band Edge					

Frequency	LTE Band 25	Channel Bandwidth	10 MHz	RB Allocated	6
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 20 dB Mkr1 1.850 000 GHz -33.076 dBm *Avg Log 10 dB/ Offst 10.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL Center 1.850 000 GHz Span 10 MHz *Res BW 110 kHz #VBW 110 kHz Sweep 3.16 ms (601 pts) Copyright 2000-2007 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 20 dB Mkr1 1.915 000 GHz -37.091 dBm *Avg Log 10 dB/ Offst 10.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AL Center 1.915 000 GHz Span 10 MHz *Res BW 110 kHz #VBW 110 kHz Sweep 3.16 ms (601 pts) Copyright 2000-2007 Agilent Technologies Center Freq 1.91500000 GHz Start Freq 1.91000000 GHz Stop Freq 1.92000000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off				

Frequency	LTE Band 25	Channel Bandwidth	15 MHz	RB Allocated	50
Lower Band Edge	 Agilent Spectrum Analyzer screenshot for Lower Band Edge. The plot shows a signal rising from -13.0 dBm at 1.84 GHz to -35.141 dBm at 1.85 GHz. The center frequency is 1.850000 GHz. The span is 20 MHz. The resolution bandwidth is 110 kHz. The sweep is 6.32 ms (601 pts).				
Higher Band Edge	 Agilent Spectrum Analyzer screenshot for Higher Band Edge. The plot shows a signal falling from -33.125 dBm at 1.915 GHz to -13.0 dBm at 1.925 GHz. The center frequency is 1.915000 GHz. The span is 20 MHz. The resolution bandwidth is 110 kHz. The sweep is 6.32 ms (601 pts).				

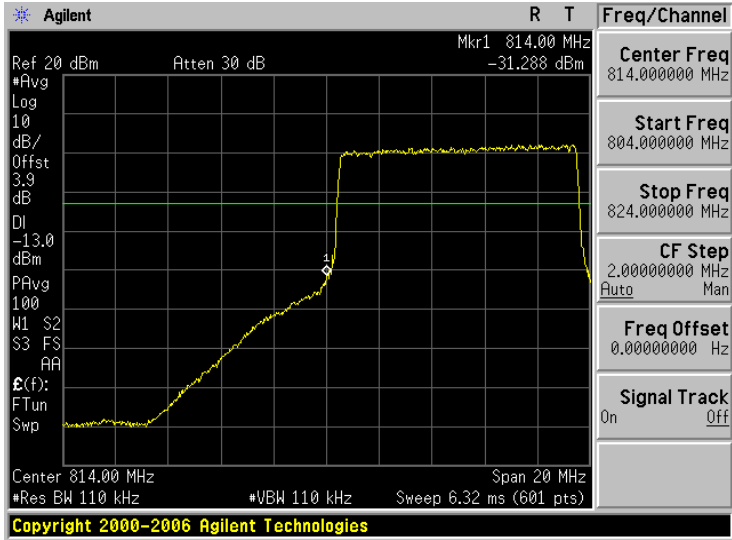
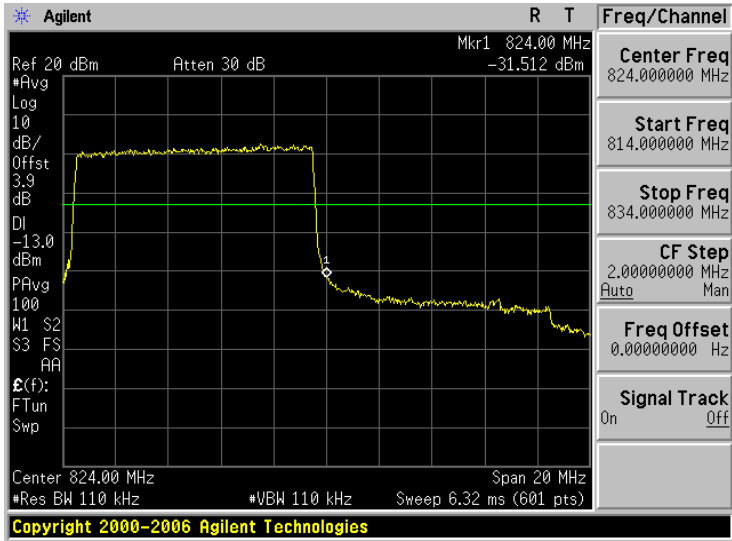
Frequency	LTE Band 25	Channel Bandwidth	20 MHz	RB Allocated	75
Lower Band Edge					
Higher Band Edge					

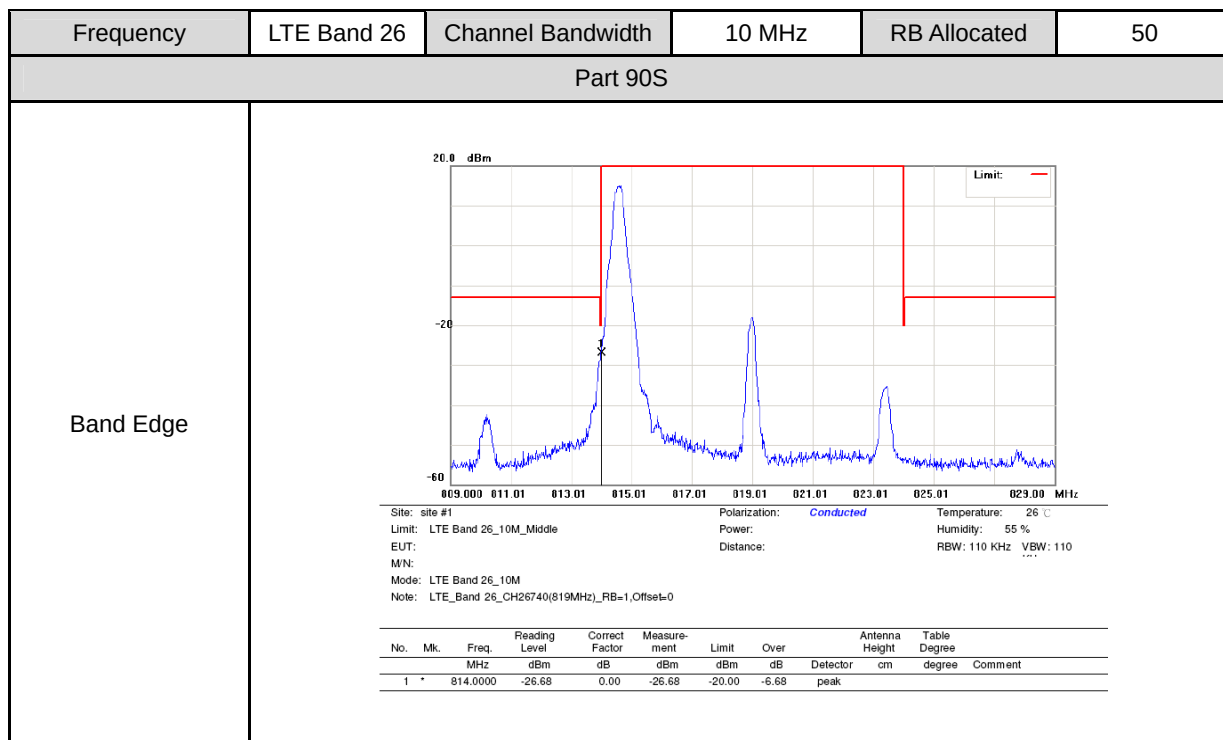
Frequency	LTE Band 26	Channel Bandwidth	1.4 MHz	RB Allocated	6
Part 90S					
Lower Band Edge					
Higher Band Edge					

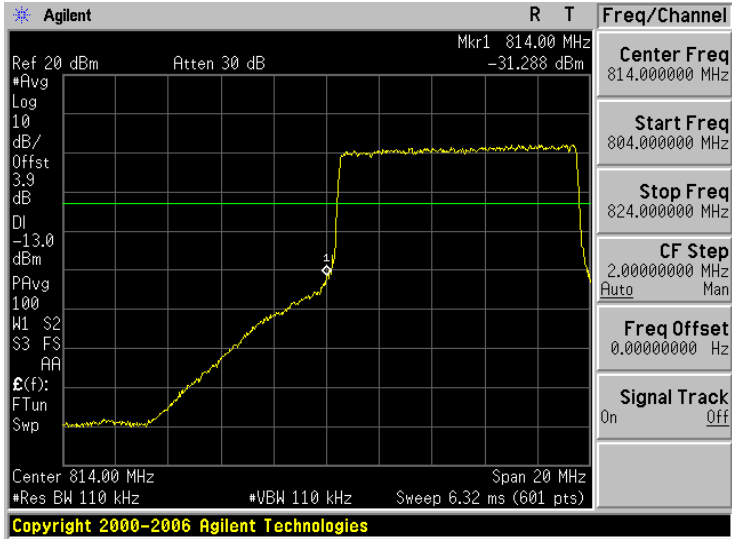
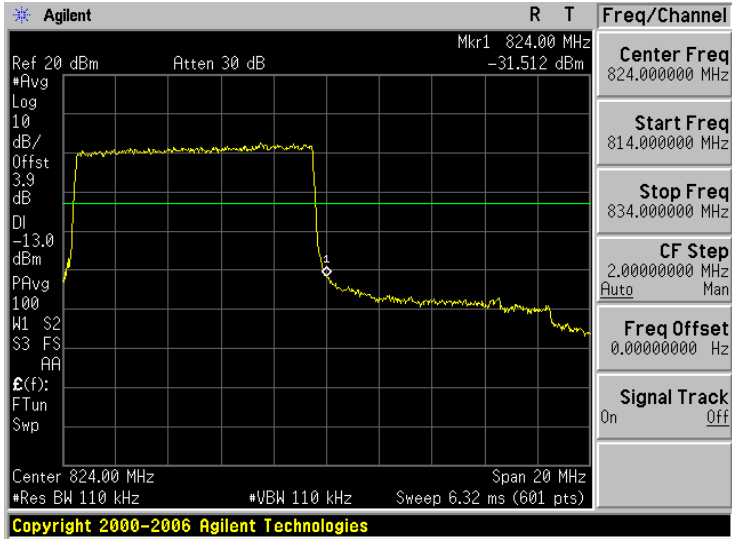
Frequency	LTE Band 26	Channel Bandwidth	3 MHz	RB Allocated	15																																
Part 90S																																					
Lower Band Edge	 Site: site #1 Limit: LTE Band 26_3M_Low EUT: M/N: Mode: LTE Band 26_3M Note: LTE_Band 26_CH26705(815.5MHz)_RB=1,Offset=0 Polarization: Conducted Power: Distance: Temperature: 26 °C Humidity: 55 % RBW: 33 KHz VBW: 33 KHz <table><tr><th>No.</th><th>Mk.</th><th>Freq.</th><th>Reading Level</th><th>Correct Factor</th><th>Measurement</th><th>Limit</th><th>Over</th><th>Antenna Height</th><th>Table Degree</th><th>Comment</th></tr><tr><td>1</td><td>*</td><td>814.0000</td><td>-24.77</td><td>0.00</td><td>-24.77</td><td>-20.00</td><td>-4.77</td><td>peak</td><td>cm</td><td>degree</td></tr></table>					No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment	1	*	814.0000	-24.77	0.00	-24.77	-20.00	-4.77	peak	cm	degree										
	No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment																										
1	*	814.0000	-24.77	0.00	-24.77	-20.00	-4.77	peak	cm	degree																											
 Site: site #1 Limit: LTE Band 26_3M_Low EUT: M/N: Mode: LTE Band 26_3M Note: LTE_Band 26_CH26705(815.5MHz)_RB=15,Offset=0 Polarization: Conducted Power: Distance: Temperature: 26 °C Humidity: 55 % RBW: 33 KHz VBW: 33 KHz <table><tr><th>No.</th><th>Mk.</th><th>Freq.</th><th>Reading Level</th><th>Correct Factor</th><th>Measurement</th><th>Limit</th><th>Over</th><th>Antenna Height</th><th>Table Degree</th><th>Comment</th></tr><tr><td>1</td><td>*</td><td>814.0000</td><td>-22.11</td><td>0.00</td><td>-22.11</td><td>-20.00</td><td>-2.11</td><td>peak</td><td>cm</td><td>degree</td></tr><tr><td>2</td><td></td><td>817.0000</td><td>-23.11</td><td>0.00</td><td>-23.11</td><td>-20.00</td><td>-3.11</td><td>peak</td><td>cm</td><td>degree</td></tr></table>					No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment	1	*	814.0000	-22.11	0.00	-22.11	-20.00	-2.11	peak	cm	degree	2		817.0000	-23.11	0.00	-23.11	-20.00	-3.11	peak	cm	degree
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment																											
1	*	814.0000	-22.11	0.00	-22.11	-20.00	-2.11	peak	cm	degree																											
2		817.0000	-23.11	0.00	-23.11	-20.00	-3.11	peak	cm	degree																											

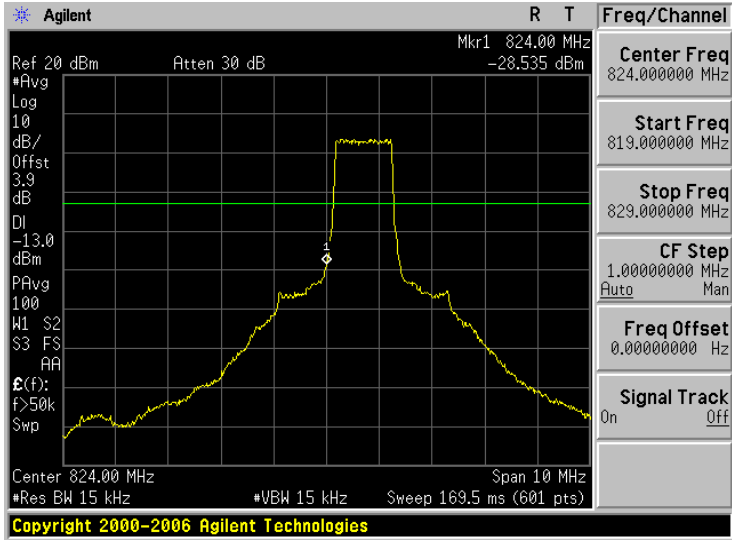
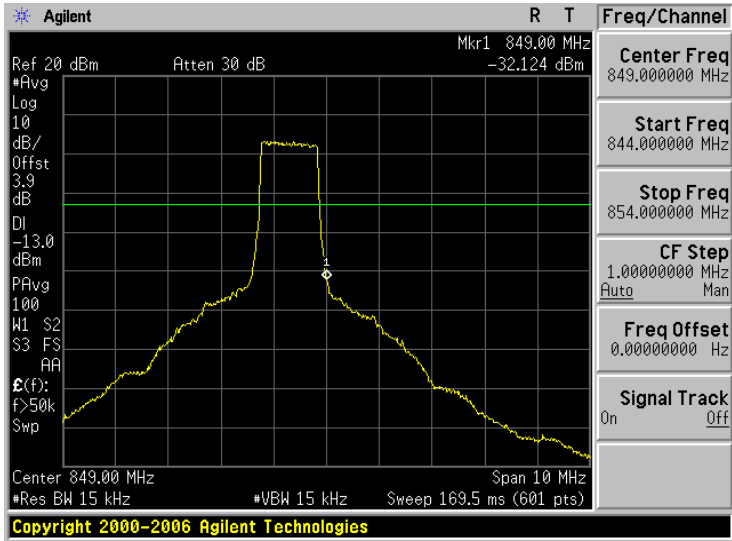
Frequency	LTE Band 26	Channel Bandwidth	3 MHz	RB Allocated	15
Part 90S					
Lower Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 814.00 MHz -27.066 dBm Center Freq 814.000000 MHz Start Freq 809.000000 MHz Stop Freq 819.000000 MHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 814.00 MHz Span 10 MHz Res BW 33 kHz VBW 33 kHz Sweep 35.04 ms (601 pts) Copyright 2000-2006 Agilent Technologies				
Higher Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 824.00 MHz -27.303 dBm 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 Center 824.00 MHz Span 10 MHz Res BW 33 kHz VBW 33 kHz Sweep 35.04 ms (601 pts) Copyright 2000-2006 Agilent Technologies				

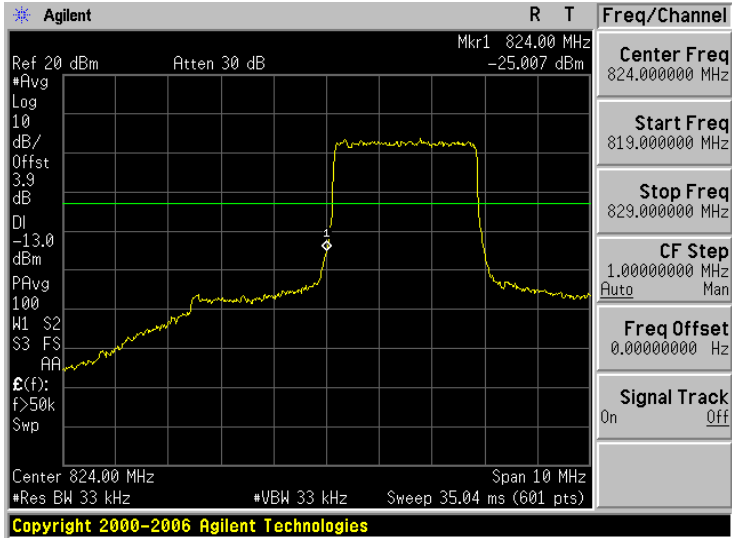
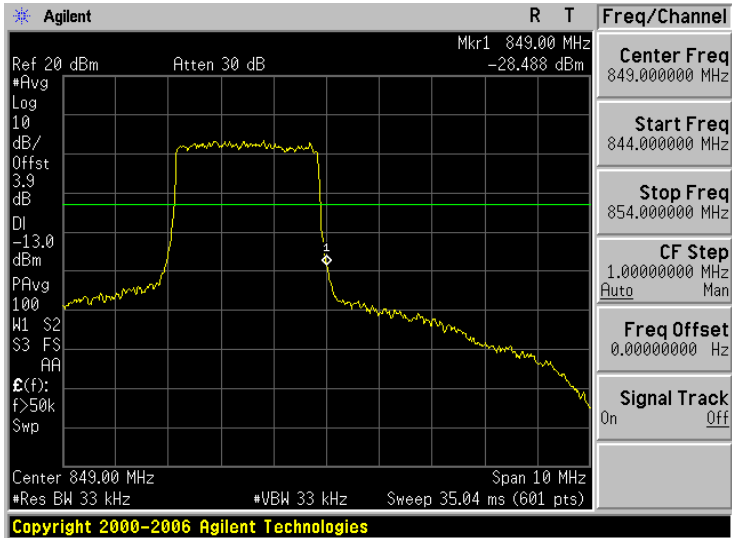
Frequency	LTE Band 26	Channel Bandwidth	5 MHz	RB Allocated	25
Part 90S					
Midde Band Edge					

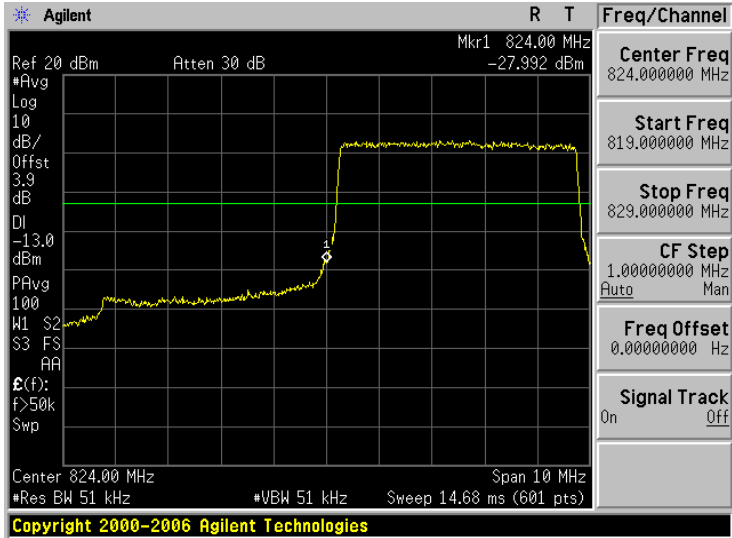
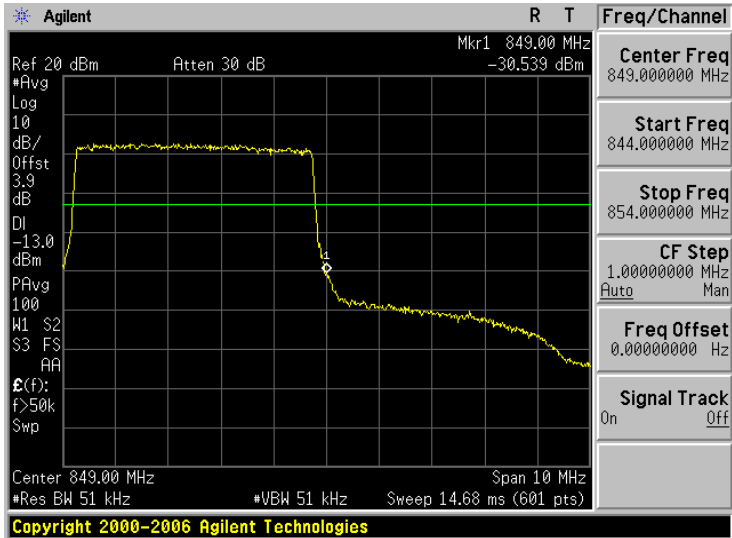
Frequency	LTE Band 26	Channel Bandwidth	5 MHz	RB Allocated	25
Part 90S					
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 814.00 MHz -31.288 dBm Center Freq 814.000000 MHz Start Freq 804.000000 MHz Stop Freq 824.000000 MHz CF Step 2.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 814.00 MHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 6.32 ms (601 pts) Copyright 2000-2006 Agilent Technologies				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 824.00 MHz -31.512 dBm 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 Center 824.00 MHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 6.32 ms (601 pts) Copyright 2000-2006 Agilent Technologies				



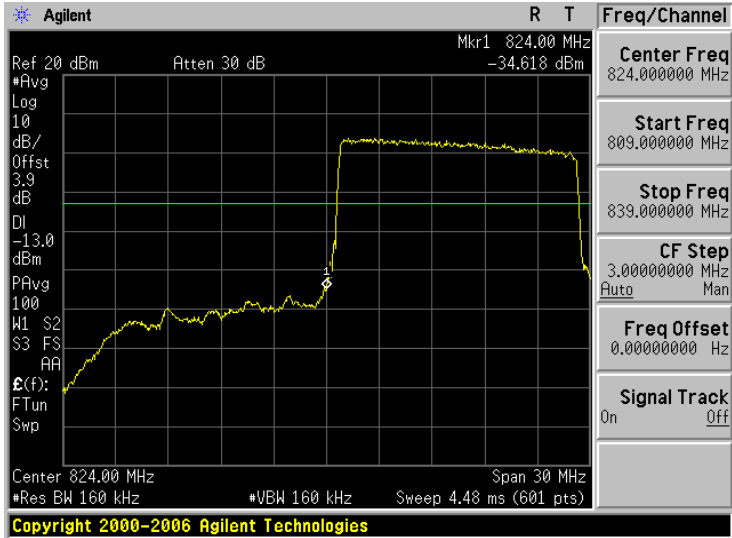
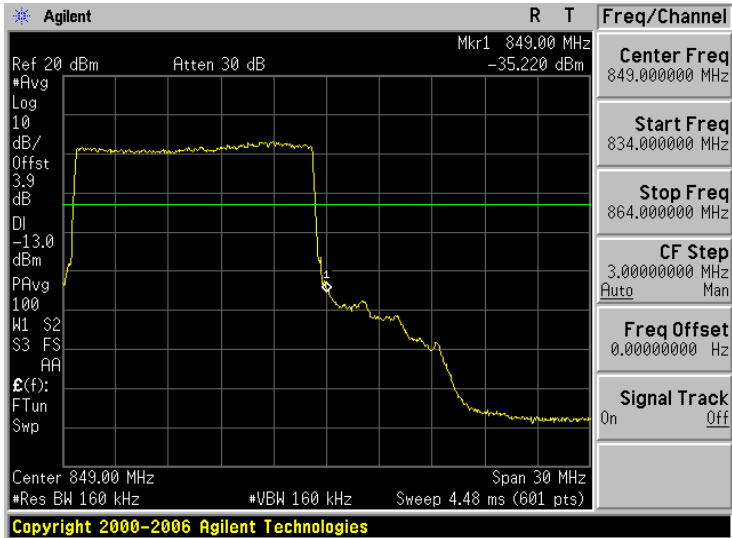
Frequency	LTE Band 26	Channel Bandwidth	10 MHz	RB Allocated	50
Part 90S					
Band Edge					
					

Frequency	LTE Band 26	Channel Bandwidth	1.4 MHz	RB Allocated	6
Part 22H					
Lower Band Edge					
Higher Band Edge					

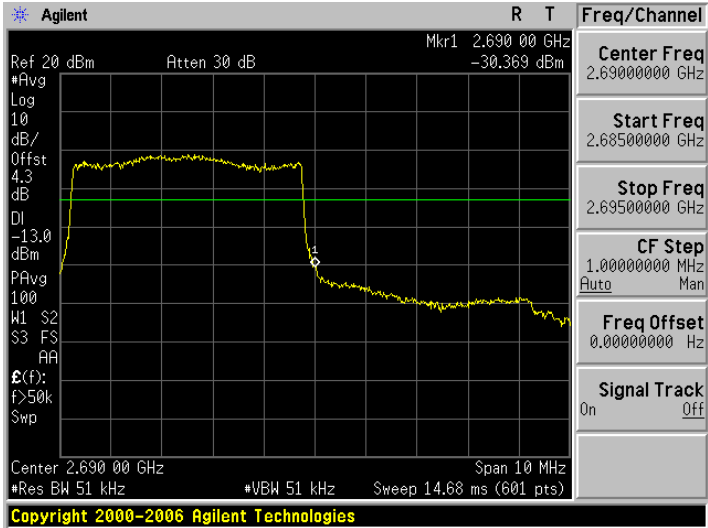
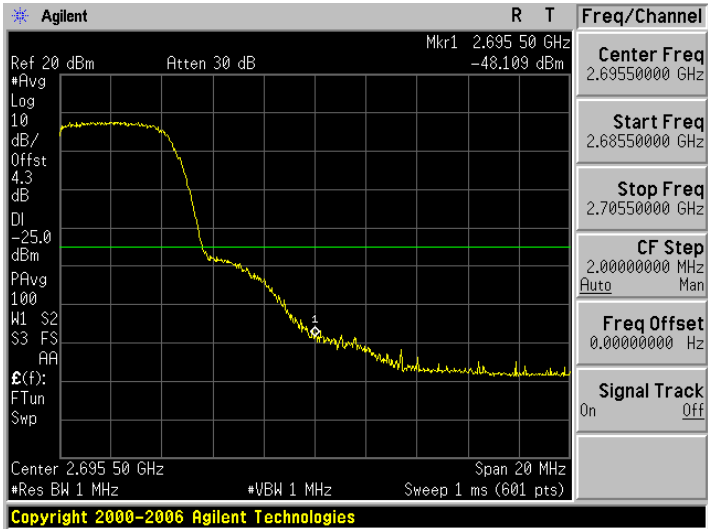
Frequency	LTE Band 26	Channel Bandwidth	3 MHz	RB Allocated	15
Part 22H					
Lower Band Edge					
Higher Band Edge					

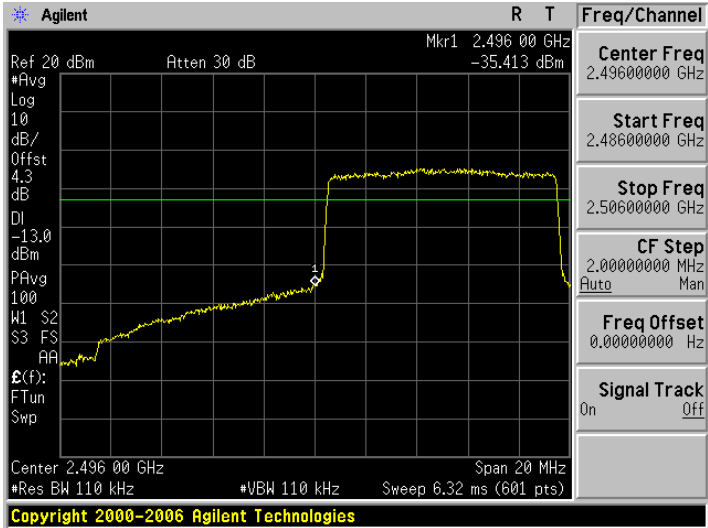
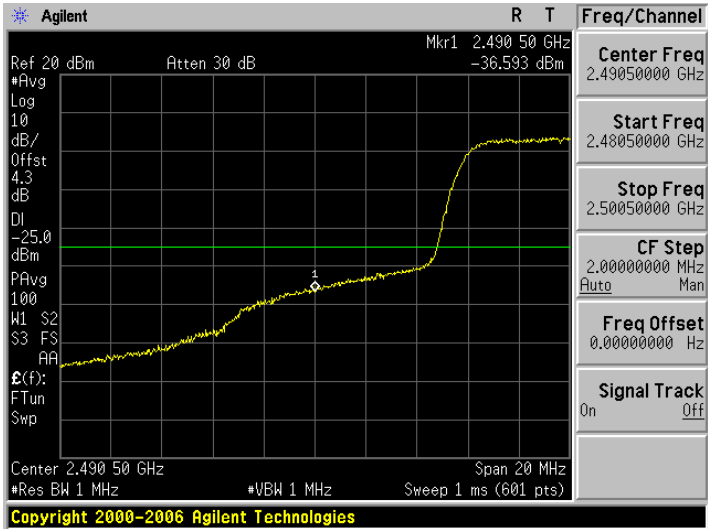
Frequency	LTE Band 26	Channel Bandwidth	5 MHz	RB Allocated	25
Part 22H					
Lower Band Edge					
Higher Band Edge					

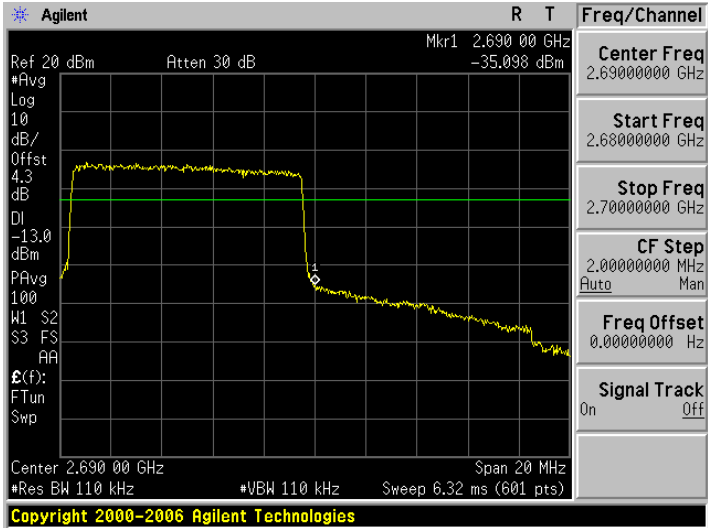
Frequency	LTE Band 26	Channel Bandwidth	10 MHz	RB Allocated	50
Part 22H					
Lower Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 824.00 MHz -31.993 dBm #Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA Ⓐ(f): FTun Swp Center 824.00 MHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 6.32 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 -35.069 dBm #Avg Log 10 dB/ Offst 3.9 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA Ⓐ(f): FTun Swp Center 849.00 MHz Span 20 MHz #Res BW 110 kHz #VBW 110 kHz Sweep 6.32 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				

Frequency	LTE Band 26	Channel Bandwidth	15 MHz	RB Allocated	75
Part 22H					
Lower Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 824.00 MHz -34.618 dBm Center Freq 824.000000 MHz Start Freq 809.000000 MHz Stop Freq 839.000000 MHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 824.00 MHz Span 30 MHz Res BW 160 kHz VBW 160 kHz Sweep 4.48 ms (601 pts) Copyright 2000-2006 Agilent Technologies				
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 849.00 MHz -35.220 dBm Center Freq 849.000000 MHz Start Freq 834.000000 MHz Stop Freq 864.000000 MHz CF Step 3.00000000 MHz Auto Man Freq Offset 0.00000000 Hz Signal Track On Off Center 849.00 MHz Span 30 MHz Res BW 160 kHz VBW 160 kHz Sweep 4.48 ms (601 pts) Copyright 2000-2006 Agilent Technologies				

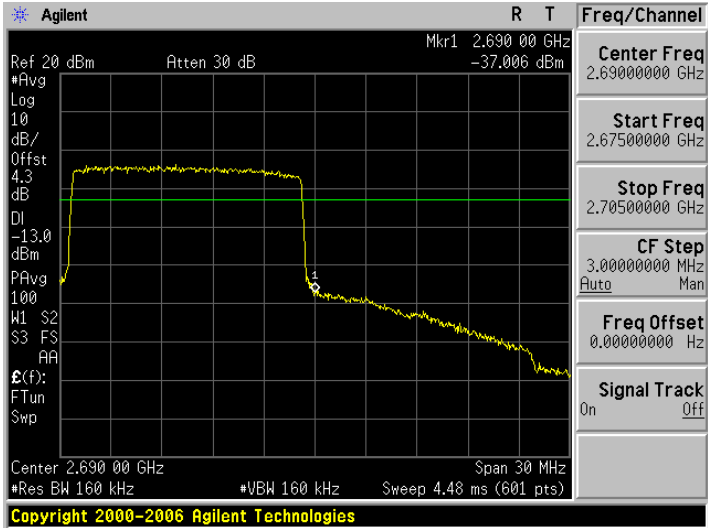
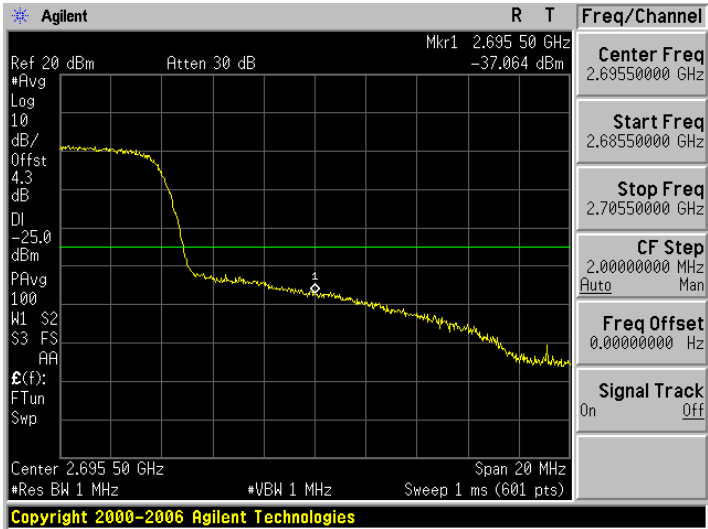
Frequency	LTE Band 41	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.496 00 GHz -30.413 dBm *Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA E(f): f>50k Swp Center 2.496 00 GHz Span 10 MHz *Res BW 51 kHz *VBW 51 kHz Sweep 14.68 ms (601 pts) Copyright 2000-2006 Agilent Technologies				
	Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.490 50 GHz -43.783 dBm *Avg Log 10 dB/ Offst 4.3 dB DI -25.0 dBm PAvg 100 W1 S2 S3 FS AA E(f): FTun Swp Center 2.490 50 GHz Span 20 MHz *Res BW 1 MHz *VBW 1 MHz Sweep 1 ms (601 pts) Copyright 2000-2006 Agilent Technologies				

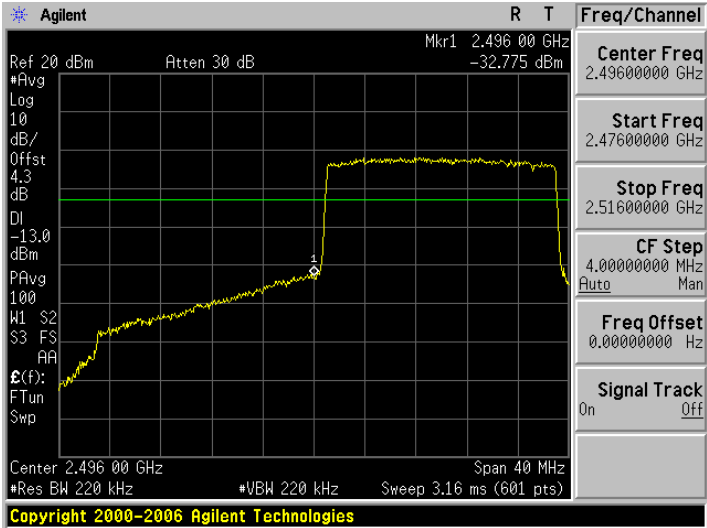
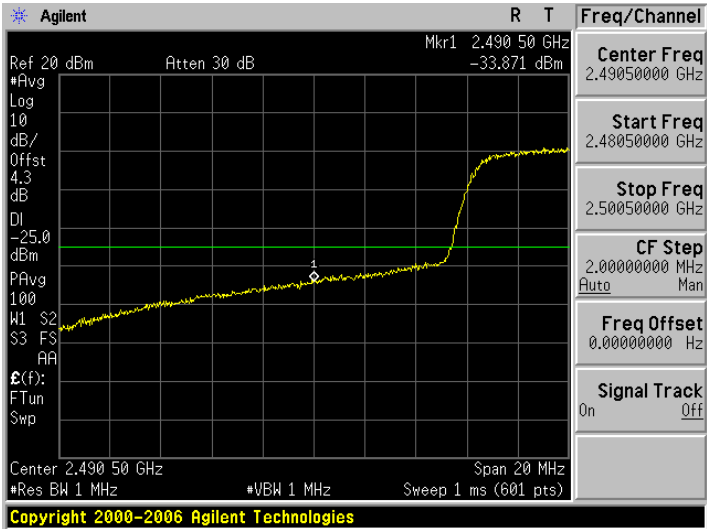
Frequency	LTE Band 41	Channel Bandwidth	5 MHz	RB Allocated	25
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.690 00 GHz -30.369 dBm *Avg Log 10 dB/ Offst 4.3 dB DI -13.0 dBm PAvg 100 W1 S2 S3 FS AA E(f): f>50k Swp Center 2.690 00 GHz Span 10 MHz *Res BW 51 kHz *VBW 51 kHz Sweep 14.68 ms (601 pts) Copyright 2000-2006 Agilent Technologies				
	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.695 50 GHz -48.109 dBm *Avg Log 10 dB/ Offst 4.3 dB DI -25.0 dBm PAvg 100 W1 S2 S3 FS AA E(f): FTun Swp Center 2.695 50 GHz Span 20 MHz *Res BW 1 MHz *VBW 1 MHz Sweep 1 ms (601 pts) Copyright 2000-2006 Agilent Technologies				

Frequency	LTE Band 41	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
					

Frequency	LTE Band 41	Channel Bandwidth	10 MHz	RB Allocated	50
Higher Band Edge	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.690 00 GHz -35.098 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 2.690 00 GHz Span 20 MHz *Res BW 110 kHz *VBW 110 kHz Sweep 6.32 ms (601 pts) Copyright 2000-2006 Agilent Technologies				
	 Agilent R T Freq/Channel Ref 20 dBm Atten 30 dB Mkr1 2.695 50 GHz -40.555 dBm *Avg Log 10 dB/ Offst 4.3 dB DI -25.0 dBm PAvg 100 W1 S2 S3 FS AA E(f): FTun Swp Center 2.695 50 GHz Span 20 MHz *Res BW 1 MHz *VBW 1 MHz Sweep 1 ms (601 pts) Copyright 2000-2006 Agilent Technologies				

Frequency	LTE Band 41	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge	Agilent Spectrum Analyzer screenshot showing the lower band edge of LTE Band 41. The plot shows a rising signal level from approximately -35 dBm at 2.481 GHz to -13 dBm at 2.496 GHz, then dropping. Parameters: Center Freq 2.496000 GHz, Span 30 MHz, Res BW 160 kHz, VBW 160 kHz, Sweep 4.48 ms (601 pts).				
	Agilent Spectrum Analyzer screenshot showing the lower band edge of LTE Band 41. The plot shows a rising signal level from approximately -35 dBm at 2.4805 GHz to -25 dBm at 2.4905 GHz, then dropping. Parameters: Center Freq 2.490500 GHz, Span 20 MHz, Res BW 1 MHz, VBW 1 MHz, Sweep 1 ms (601 pts).				

Frequency	LTE Band 41	Channel Bandwidth	15 MHz	RB Allocated	75
Higher Band Edge					
					

Frequency	LTE Band 41	Channel Bandwidth	20 MHz	RB Allocated	100
Lower Band Edge	 Agilent Spectrum Analyzer Screenshot (Lower Band Edge): - Ref: 20 dBm, Atten: 30 dB - Mkr1: 2.496 00 GHz, -32.775 dBm - Center Freq: 2.49600000 GHz - Start Freq: 2.47600000 GHz - Stop Freq: 2.51600000 GHz - CF Step: 4.00000000 MHz - Freq Offset: 0.00000000 Hz - Signal Track: On - Center: 2.496 00 GHz, Span: 40 MHz - Res BW: 220 kHz, Sweep: 3.16 ms (601 pts)				
	 Agilent Spectrum Analyzer Screenshot (Lower Band Edge): - Ref: 20 dBm, Atten: 30 dB - Mkr1: 2.490 50 GHz, -33.871 dBm - Center Freq: 2.49050000 GHz - Start Freq: 2.48050000 GHz - Stop Freq: 2.50050000 GHz - CF Step: 2.00000000 MHz - Freq Offset: 0.00000000 Hz - Signal Track: On - Center: 2.490 50 GHz, Span: 20 MHz - Res BW: 1 MHz, Sweep: 1 ms (601 pts)				

Frequency	LTE Band 41	Channel Bandwidth	20 MHz	RB Allocated	100
Higher Band Edge					