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

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Taiwan Accreditation Foundation accreditation number: 1330

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

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1 General Information

1.1. EUT Description

Applicant		Netgear Inc.			
Applicant Address		350 East Plumeria Drive, San Jose, CA 95134			
Manufacturer		Netgear Inc.			
Manufacturer Address		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)
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

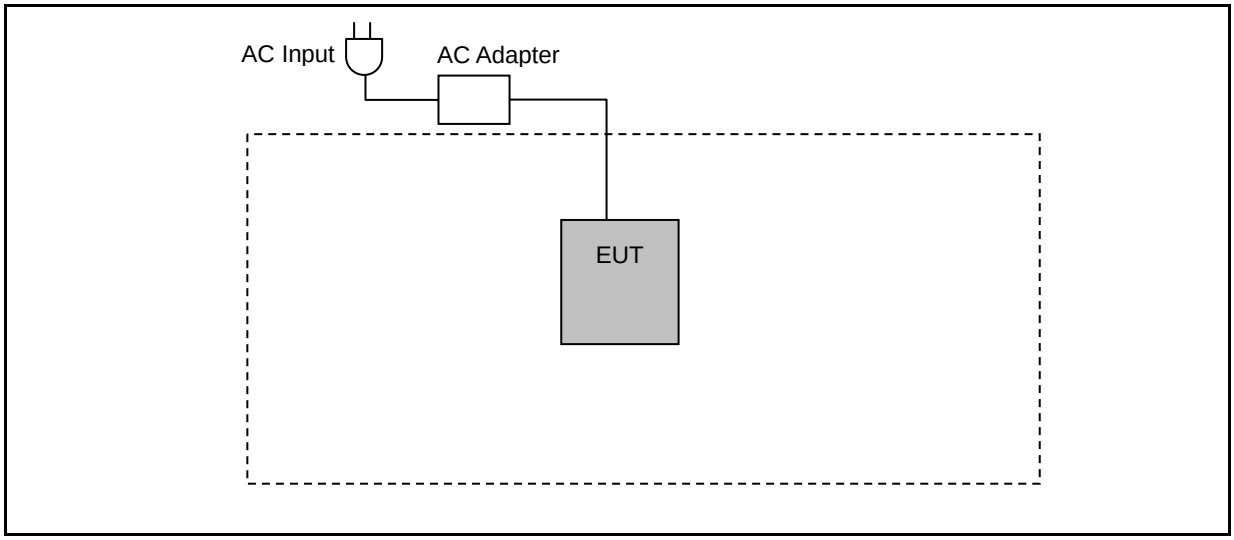
Band	Channel Bandwidth	Test Modes	
LTE Band 26 (Part 22H)	1.4 MHz	☑ LTE(RB Size 1, RB Offset 0) Link ☐ LTE(RB Size 1, RB Offset 2) Link ☐ LTE(RB Size 1, RB Offset 5) Link ☐ LTE(RB Size 3, RB Offset 0) Link ☐ LTE(RB Size 3, RB Offset 1) Link ☐ LTE(RB Size 3, RB Offset 3) Link ☐ LTE(RB Size 6, RB Offset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

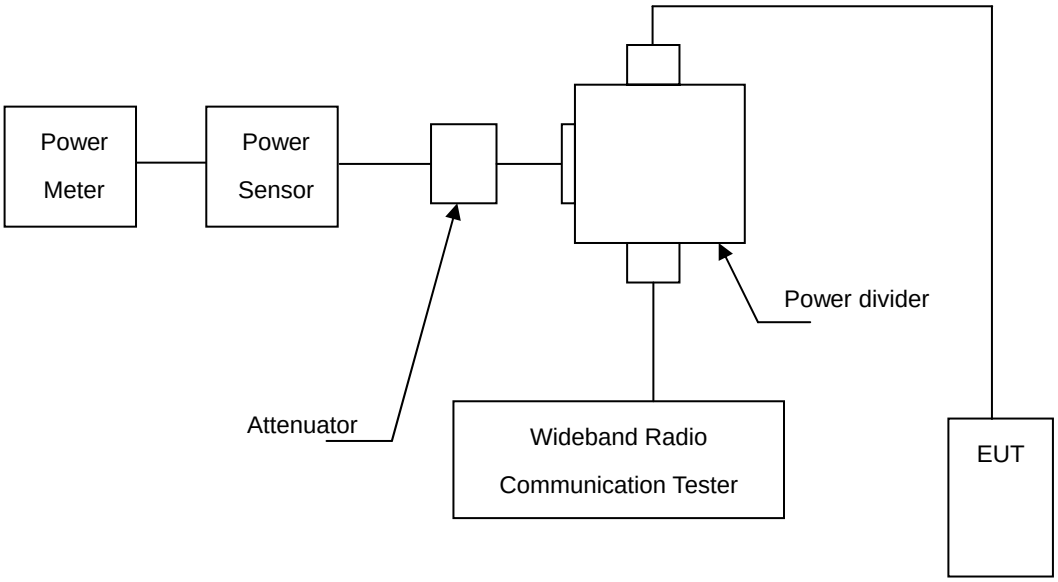
2.2. Test Instruments

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

a. The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.

b. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

2.5. Uncertainty

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

2.6. Test Result

Model Number	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
					6	0	21.89	0.155
			18900	1880.0	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
					6	0	21.52	0.142
		16QAM	18607	1850.7	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
					3	3	21.84	0.153
					6	0	20.89	0.123
			18900	1880.0	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
					6	0	21.01	0.126
			19193	1909.3	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
					15	0	21.76	0.150
			18900	1880.0	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
			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
					15	0	21.51	0.142
		16QAM	18615	1851.5	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
					15	0	20.83	0.121
			18900	1880.0	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
					8	7	21.00	0.126
					15	0	21.07	0.128
			19185	1908.5	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
					25	0	21.70	0.148
			18900	1880.0	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
					25	0	21.37	0.137
		16QAM	18625	1852.5	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
					12	13	20.81	0.121
					25	0	20.66	0.116
			18900	1880.0	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
					50	0	21.78	0.151
			18900	1880.0	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
					50	0	21.32	0.136
		16QAM	18650	1855.0	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
					25	25	20.86	0.122
					50	0	20.64	0.116
			18900	1880.0	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
					75	0	21.84	0.153
			18900	1880.0	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
					75	0	21.85	0.153
			19125	1902.5	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
					75	0	21.30	0.135
		16QAM	18675	1857.5	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	1880.0	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	1902.5	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
					100	0	21.91	0.155
			18900	1880.0	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
					100	0	21.26	0.134
		16QAM	18700	1860.0	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
					50	50	20.98	0.125
					100	0	20.91	0.123
			18900	1880.0	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
					6	0	20.70	0.117
			20175	1732.5	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
					6	0	20.55	0.114
			20175	1732.5	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
					25	0	20.88	0.122
			20175	1732.5	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
					25	0	20.88	0.122
		16QAM	19975	1712.5	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
					12	13	20.06	0.101
					25	0	19.91	0.098
			20175	1732.5	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
					50	0	20.23	0.105
			20175	1732.5	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
					50	0	19.29	0.085
			20175	1732.5	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
					75	0	20.20	0.105
			20175	1732.5	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
					75	0	20.45	0.111
			20325	1747.5	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
					75	0	19.22	0.084
			20175	1732.5	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
					75	0	19.39	0.087
			20325	1747.5	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
					100	0	20.24	0.106
			20175	1732.5	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
			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
					100	0	20.77	0.119
		16QAM	20050	1720.0	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
					100	0	19.30	0.085
			20175	1732.5	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
					100	0	19.38	0.087
			20300	1745.0	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
					6	0	21.34	0.136
			20525	836.5	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
					6	0	20.97	0.125
			20525	836.5	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
					25	0	21.25	0.133
			20525	836.5	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
			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
					25	0	20.86	0.122
		16QAM	20425	826.5	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
					25	0	20.27	0.106
			20525	836.5	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
					25	0	20.10	0.102
			20625	846.5	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
					50	0	21.15	0.130
			20525	836.5	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
					50	0	20.88	0.122
			20600	844.0	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
					50	0	20.13	0.103
			20525	836.5	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
					50	0	19.98	0.100
			20600	844.0	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
					6	0	20.87	0.122
			23095	707.5	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
					6	0	20.51	0.112
			23095	707.5	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
					15	0	20.93	0.124
			23095	707.5	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
			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
					15	0	20.96	0.125
		16QAM	23025	700.5	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
					15	0	19.87	0.097
			23095	707.5	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
					8	7	19.85	0.097
					15	0	19.89	0.097
			23165	714.5	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
					25	0	20.87	0.122
			23095	707.5	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
			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
					25	0	20.93	0.124
		16QAM	23035	701.5	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
					25	0	19.82	0.096
			23095	707.5	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
					25	0	19.88	0.097
			23155	713.5	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
					50	0	20.72	0.118
			23095	707.5	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
			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
					50	0	20.76	0.119
		16QAM	23060	704.0	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
					50	0	19.73	0.094
			23095	707.5	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
					50	0	19.75	0.094
			23130	711.0	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
					6	0	21.48	0.141
			26365	1882.5	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
					6	0	20.52	0.113
			26365	1882.5	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
					25	0	21.61	0.145
			26365	1882.5	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
					25	0	21.41	0.138
		16QAM	26065	1852.5	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
					12	13	20.71	0.118
					25	0	20.49	0.112
			26365	1882.5	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
					50	0	21.64	0.146
			26365	1882.5	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
					50	0	21.60	0.145
			26640	1910.0	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
					50	0	20.59	0.115
			26365	1882.5	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
					50	0	20.66	0.116
			26640	1910.0	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
					75	0	21.69	0.148
			26365	1882.5	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
					75	0	21.57	0.144
			26615	1907.5	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
					75	0	21.14	0.130
		16QAM	26115	1857.5	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	1882.5	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	1907.5	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
			26365	1882.5	1	0	**23.47**	**0.222**
					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
					6	0	21.07	0.128
			26740	819.0	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
					6	0	21.46	0.140
		16QAM	26697	814.7	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
					3	3	20.88	0.122
					6	0	20.56	0.114
			26740	819.0	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
			26740	819.0	1	0	**22.73**	**0.187**
					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
					25	0	20.57	0.114
			26740	819.0	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
			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
					25	0	21.34	0.136
		16QAM	26715	816.5	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
					25	0	19.67	0.093
			26740	819.0	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
					6	0	21.02	0.126
			26865	831.5	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
					6	0	21.48	0.141
		16QAM	26797	824.7	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
					3	3	20.86	0.122
					6	0	20.54	0.113
			26865	831.5	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
					15	0	20.86	0.122
			26865	831.5	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
					15	0	19.89	0.097
			26865	831.5	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
					25	0	20.54	0.113
			26865	831.5	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
					25	0	21.37	0.137
		16QAM	26815	826.5	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
					12	13	19.59	0.091
					25	0	19.65	0.092
			26865	831.5	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
					50	0	20.65	0.116
			26865	831.5	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
					50	0	21.59	0.144
			26990	844.0	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
					50	0	21.31	0.135
		16QAM	26840	829.0	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	831.5	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	844.0	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
					75	0	21.54	0.143
			26965	841.5	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
					75	0	21.36	0.137
		16QAM	26865	831.5	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
					36	39	20.56	0.114
					75	0	20.57	0.114
			26965	841.5	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
					25	0	23.56	0.227
			40620	2593.0	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
					25	0	23.79	0.239
		16QAM	39675	2498.5	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
					12	13	22.87	0.194
					25	0	22.50	0.178
			40620	2593.0	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
					25	0	22.50	0.178
			41565	2687.5	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
					50	0	20.38	0.109
			40620	2593.0	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
			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
					50	0	20.54	0.113
		16QAM	39700	2501.0	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
					50	0	19.35	0.086
			40620	2593.0	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
					50	0	19.30	0.085
			41540	2685.0	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
					75	0	20.69	0.117
			40620	2593.0	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
					75	0	20.16	0.104
		16QAM	39725	2503.5	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
					36	39	19.18	0.083
					75	0	19.05	0.080
			40620	2593.0	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.

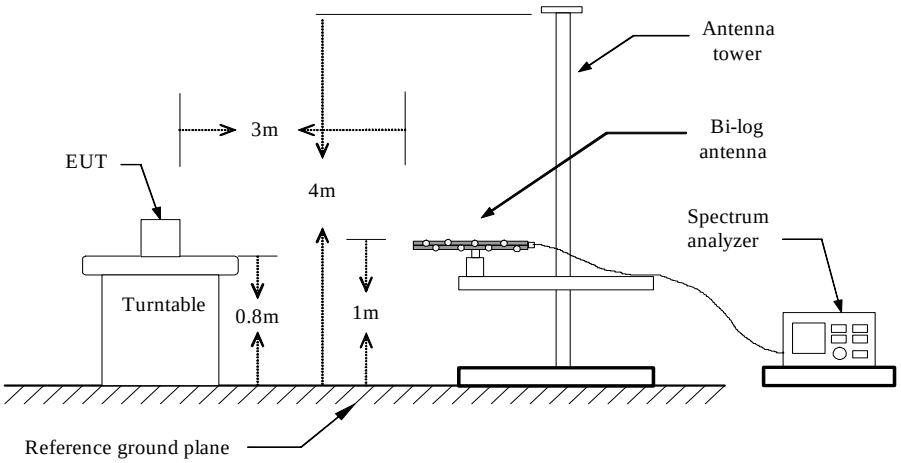
3.2. Test Instruments

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)

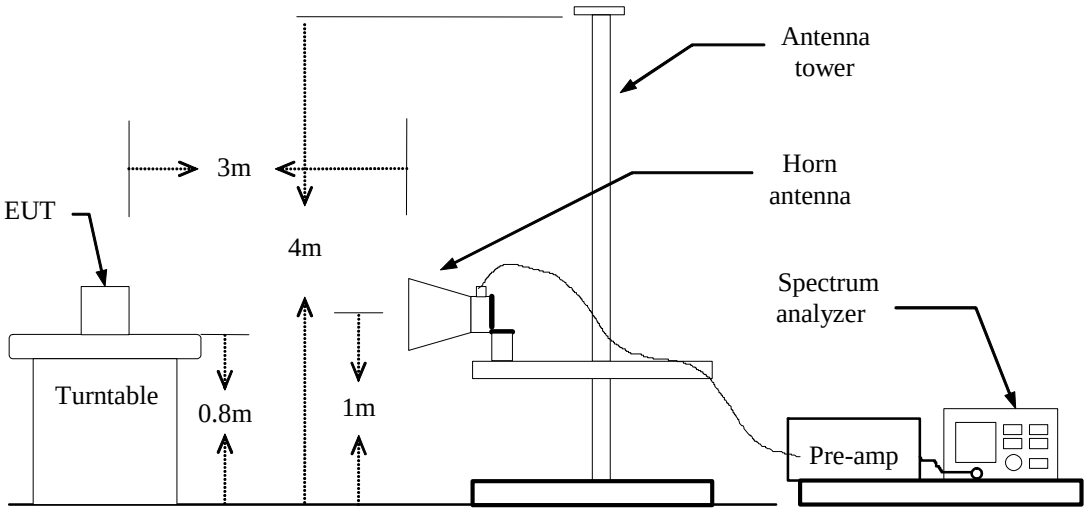
Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.
Note: N.C.R. = No Calibration Request.

3.3. Test Setup

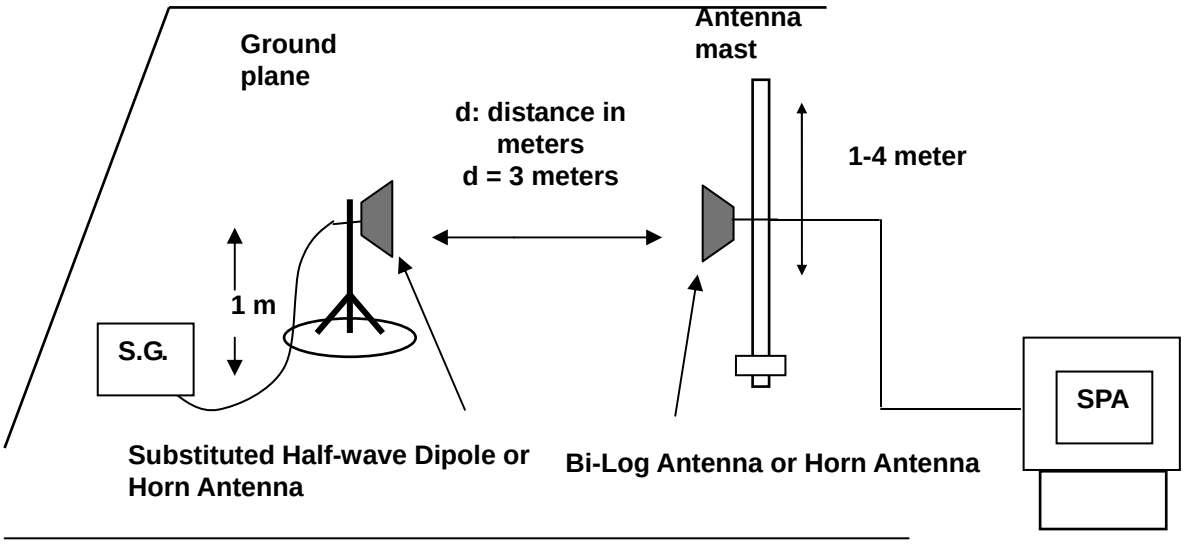
Below 1 GHz



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. = Output power level of S.G TX cable loss + Antenna gain of substitution horn

e. E.R.P. = E.I.R.P- 2.15 dB

3.5. Uncertainty

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

3.6. Test Result

Model Number	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℃ ~ 50℃.

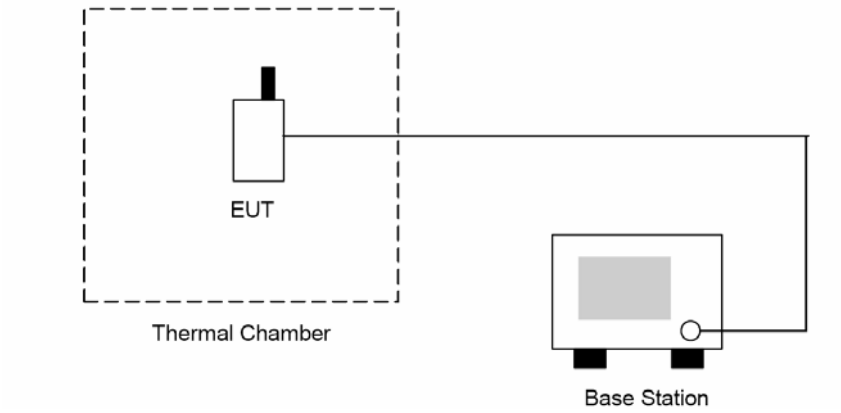
4.2. Test Instruments

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℃ 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℃ 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±5 ℃ 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 ± 10Hz.

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 (℃)	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 (℃)	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 (℃)	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 (℃)	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 (℃)	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 (℃)	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 (℃)	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 (℃)	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 (℃)	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 (℃)	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 (℃)	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 (℃)	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 (℃)	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 (℃)	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

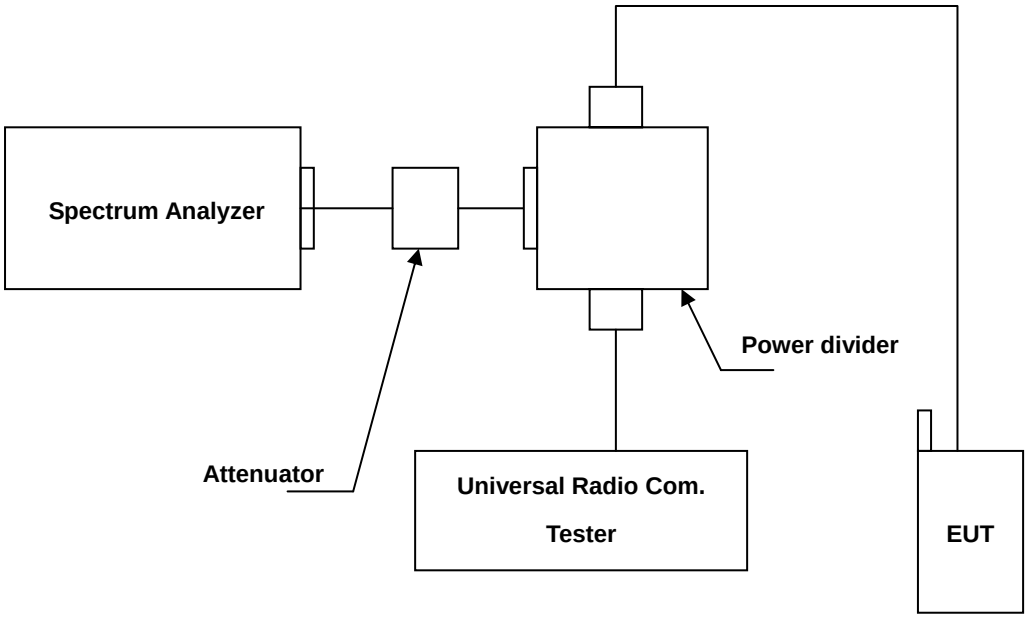
The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 %of the total mean power of a given emission.
The emission bandwidth is defined as the width of the signal between two points, located at 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 ± 10Hz

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

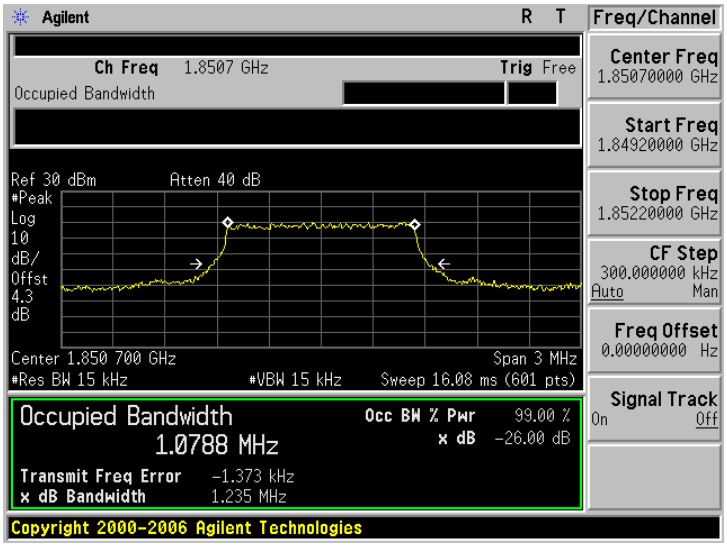
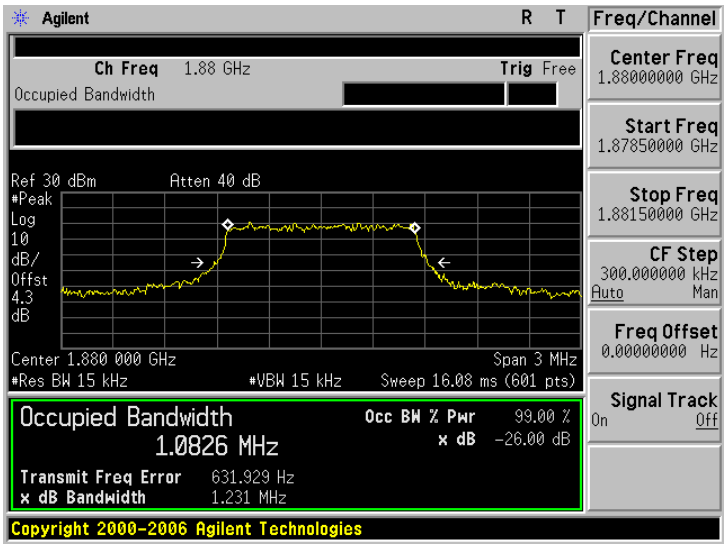
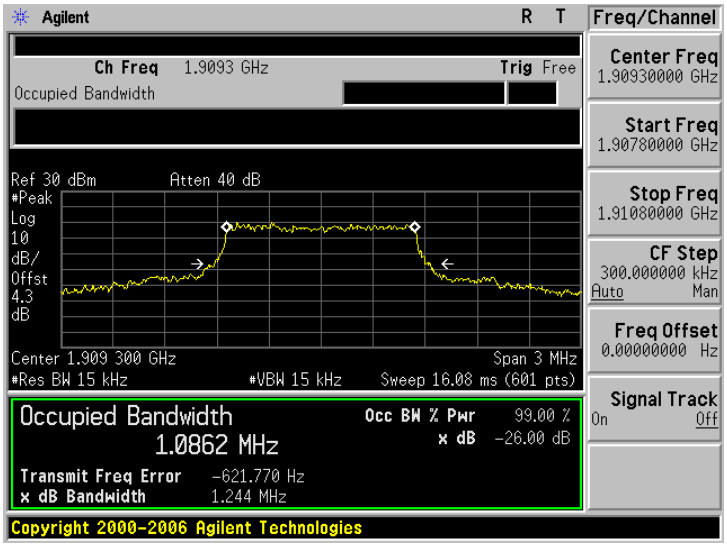
LTE Band 25				
Modulation	Channel Bandwidth	Frequency (MHz)	-26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	1850.7	1.262	1.0761
		1882.5	1.236	1.0858
		1914.3	1.232	1.0792
	3 MHz	1851.5	2.945	2.6777
		1882.5	2.967	2.6860
		1913.5	2.957	2.6836
	5 MHz	1852.5	4.895	4.4751
		1882.5	4.911	4.4548
		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

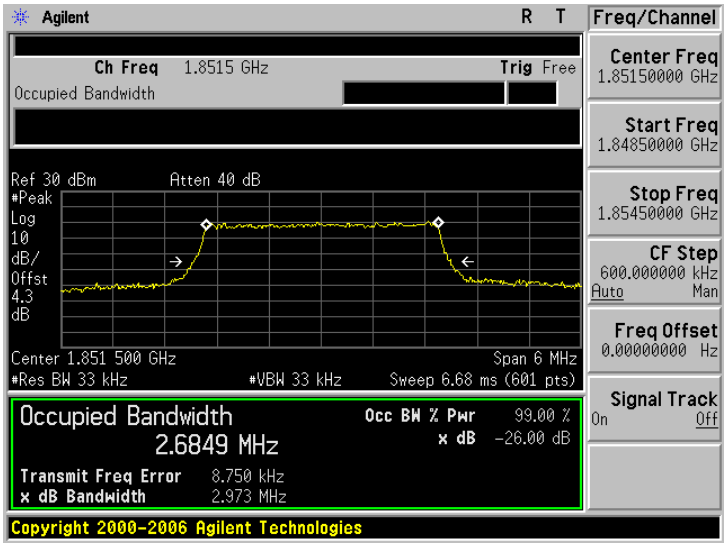
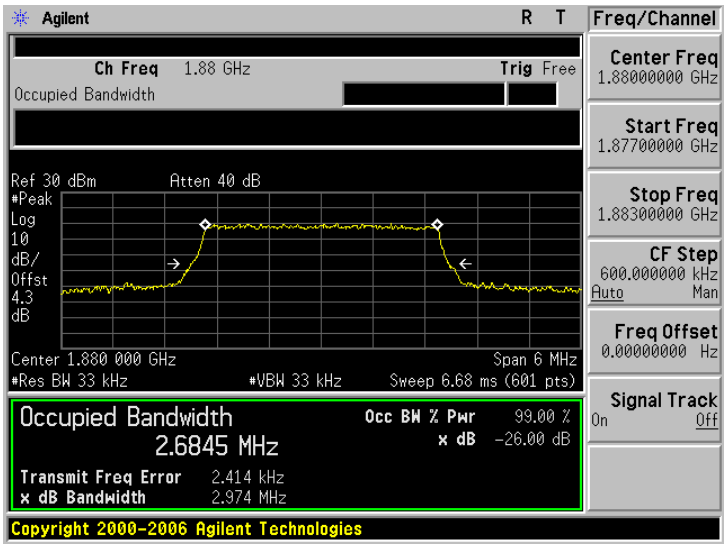
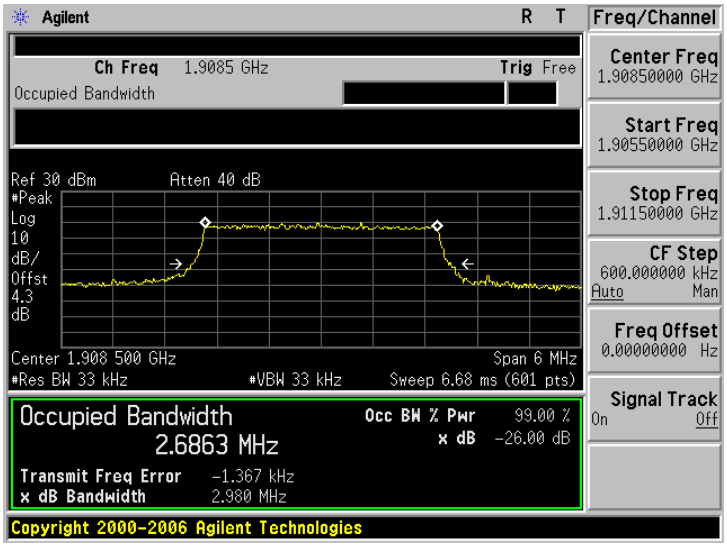
LTE Band 26_Part 90S				
Modulation	Channel Bandwidth	Frequency (MHz)	-26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	814.7	1.238	1.0795
		819.0	1.237	1.0803
		823.3	1.224	1.0787
	3 MHz	815.5	3.021	2.6888
		819.0	3.012	2.6842
		822.5	2.954	2.6827
	5 MHz	816.5	4.995	4.4781
		819.0	4.952	4.4814
		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

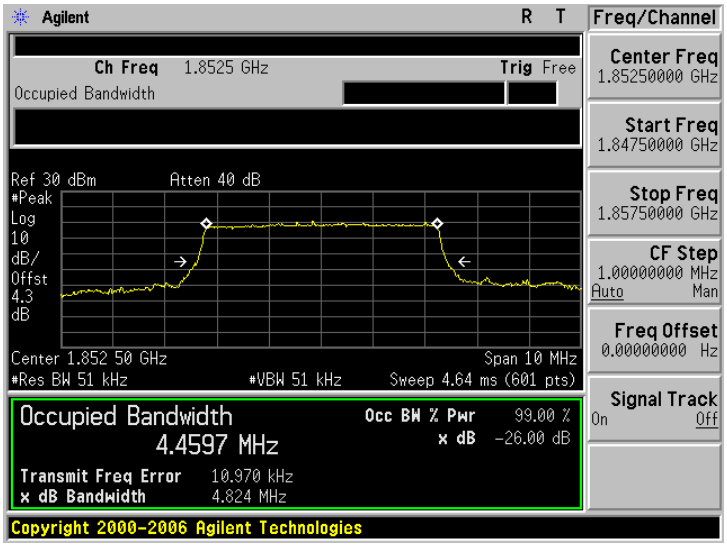
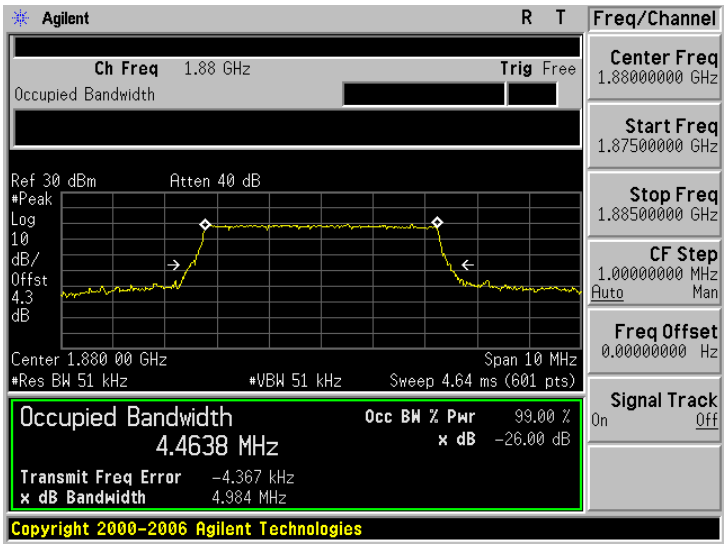
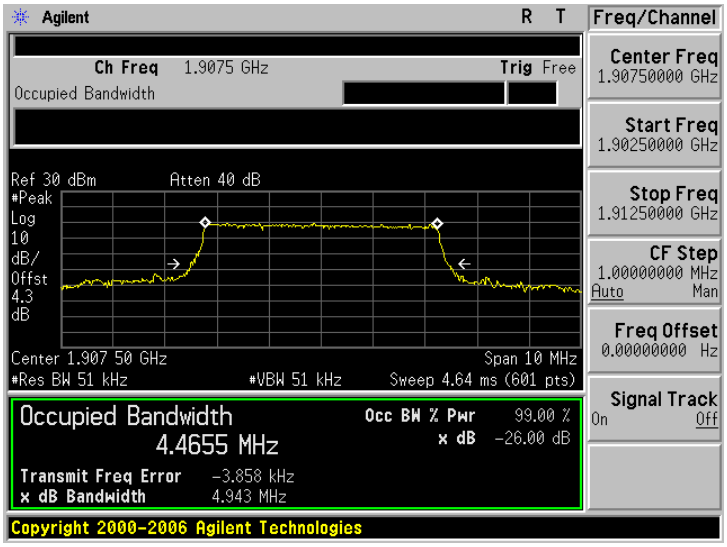
LTE Band 26_Part 22H				
Modulation	Channel Bandwidth	Frequency (MHz)	-26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	1.4 MHz	824.7	1.238	1.0795
		831.5	1.237	1.0803
		848.3	1.224	1.0787
	3 MHz	825.5	2.979	2.6825
		831.5	2.956	2.6915
		847.5	2.952	2.6846
	5 MHz	826.5	4.887	4.4657
		831.5	4.896	4.4642
		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
	15 MHz	831.5	14.415	13.4132
		841.5	14.590	13.4250
16QAM	1.4 MHz	824.7	1.244	1.0797
		831.5	1.236	1.0832
		848.3	1.218	1.0784
	3 MHz	825.5	2.978	2.6843
		831.5	2.959	2.6978
		847.5	2.964	2.6819
	5 MHz	826.5	4.923	4.4685
		831.5	4.914	4.4654
		846.5	4.803	4.4506
	10 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

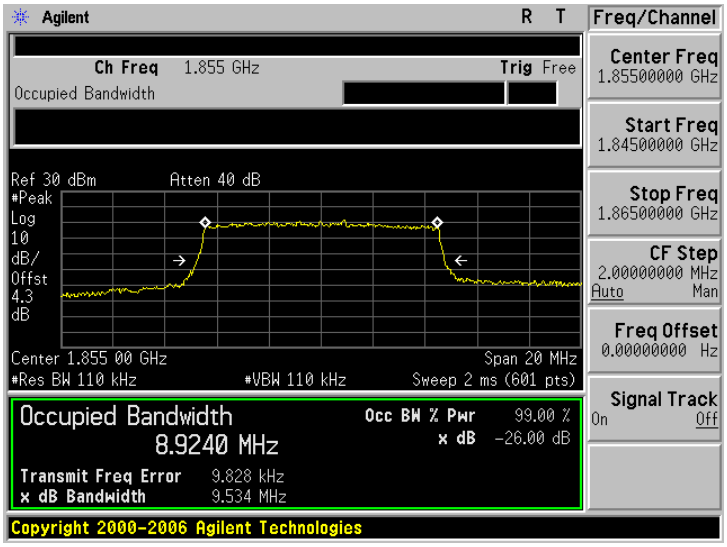
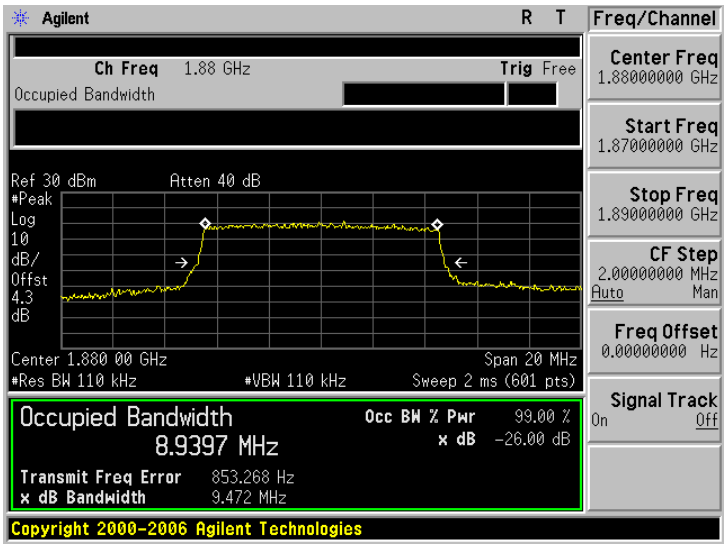
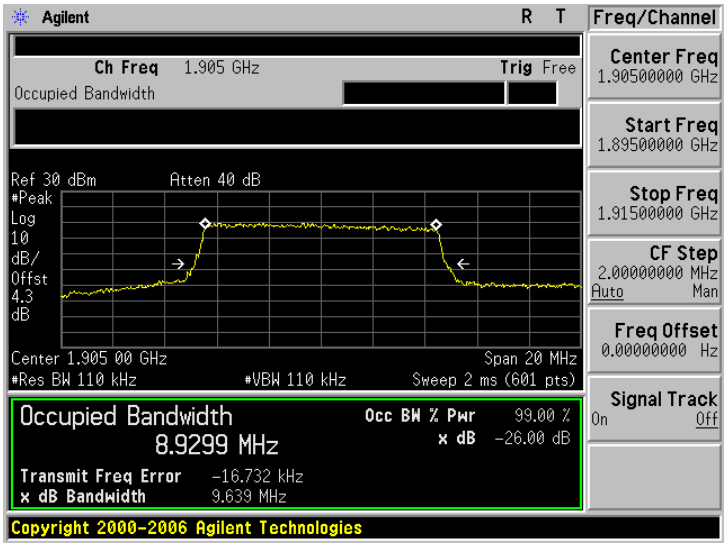
LTE Band 41				
Modulation	Channel Bandwidth	Frequency (MHz)	-26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	5 MHz	2498.5	4.924	4.4709
		2593.0	4.878	4.4655
		2687.5	4.914	4.4683
	10 MHz	2501.0	9.571	8.9176
		2593.0	9.563	8.9265
		2685.0	9.717	8.9374
	15 MHz	2503.0	14.758	13.3864
		2593.0	14.542	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

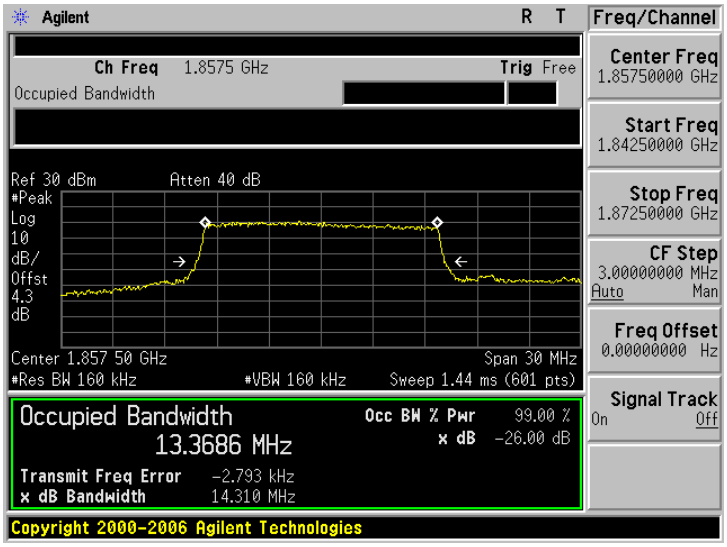
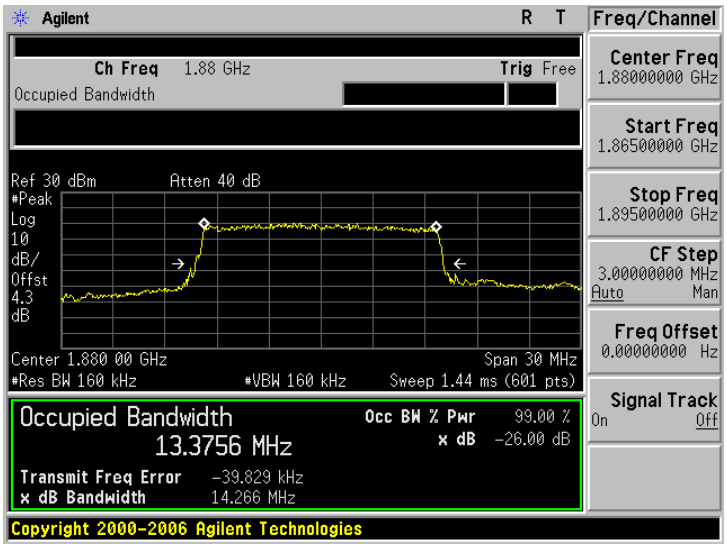
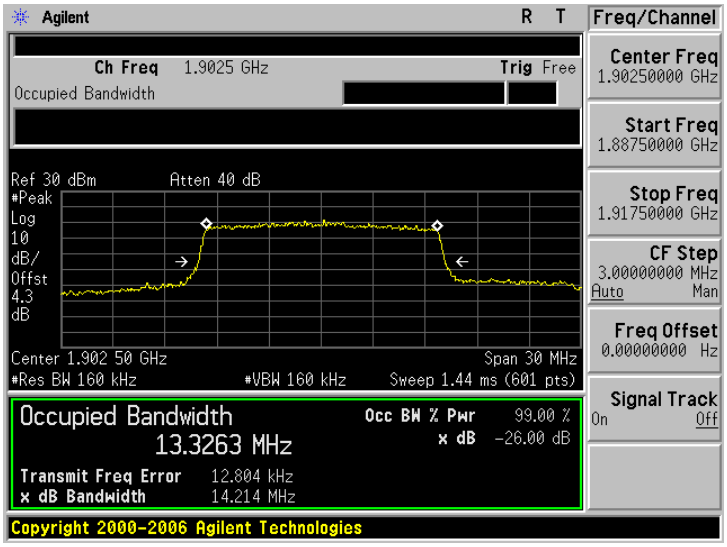
5.7. Test Graphs

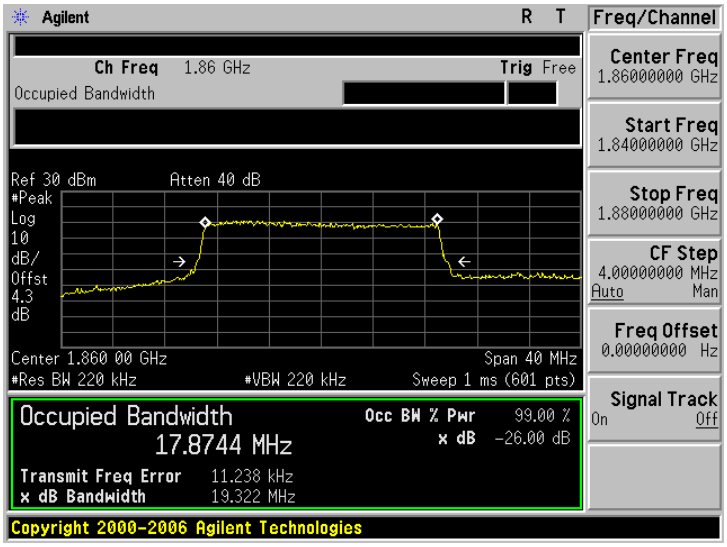
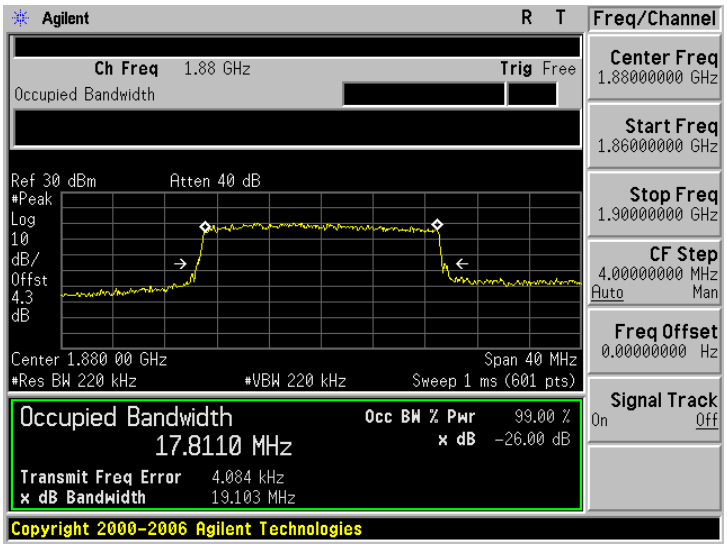
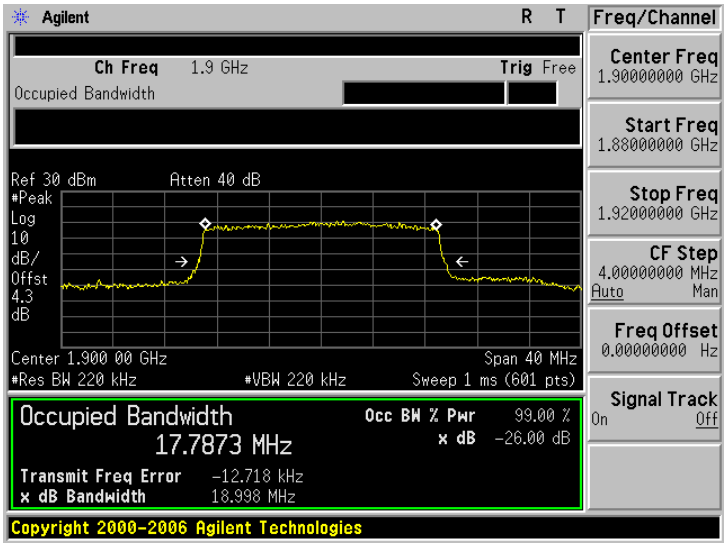
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1850.7 MHz	
1880.0 MHz	
1909.3 MHz	

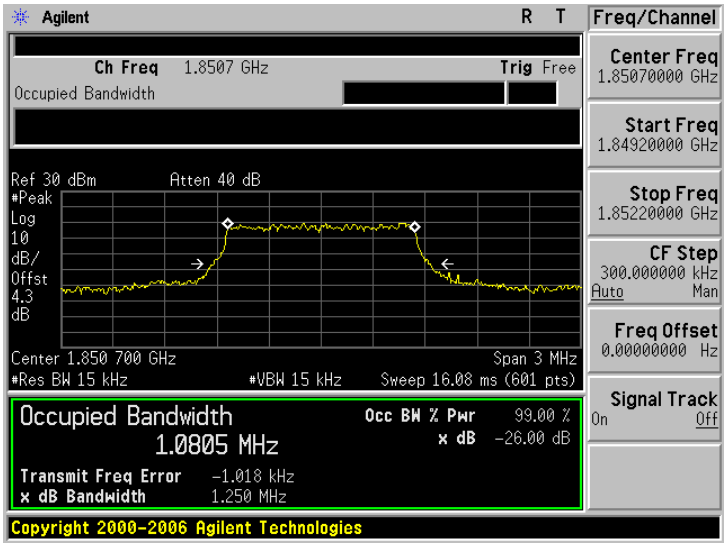
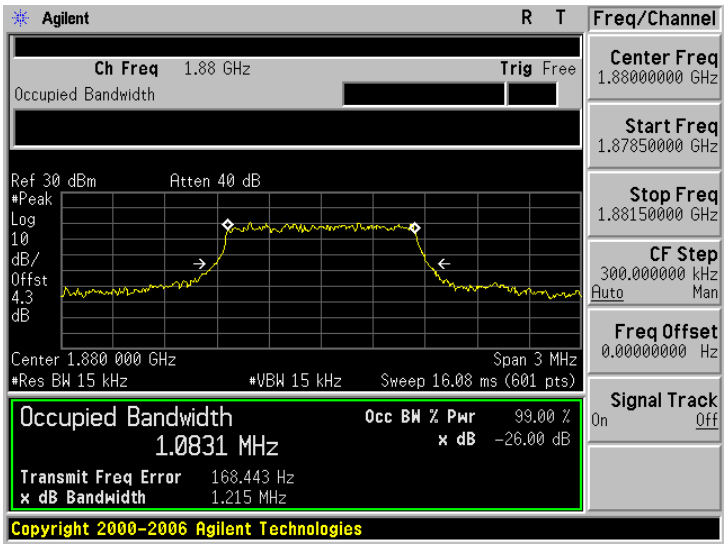
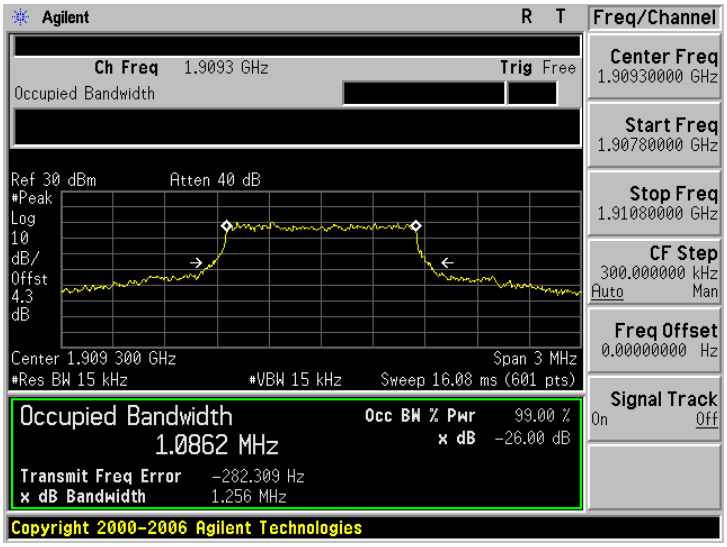
LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK	
1851.5 MHz	
1880.0 MHz	
1908.5 MHz	

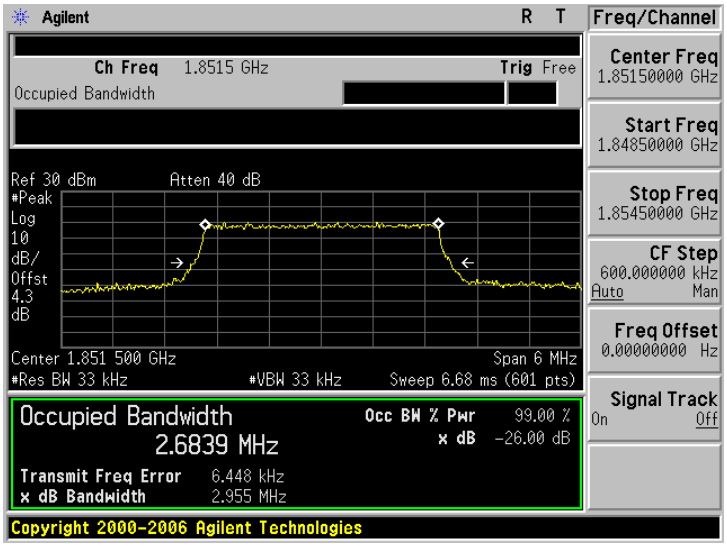
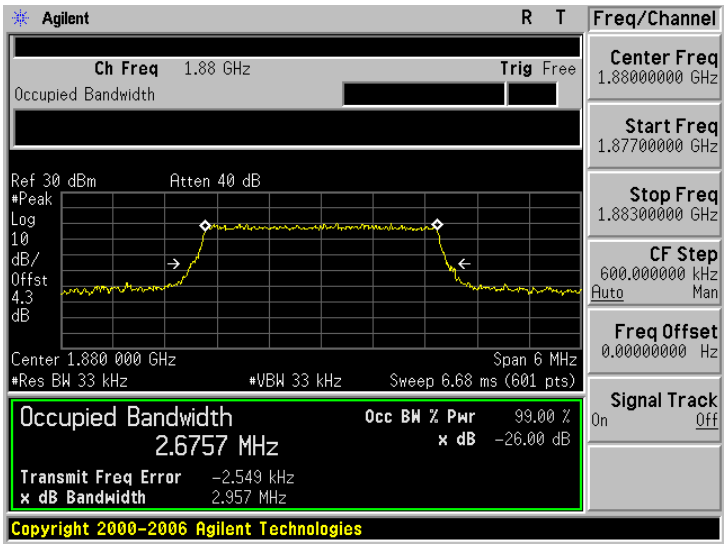
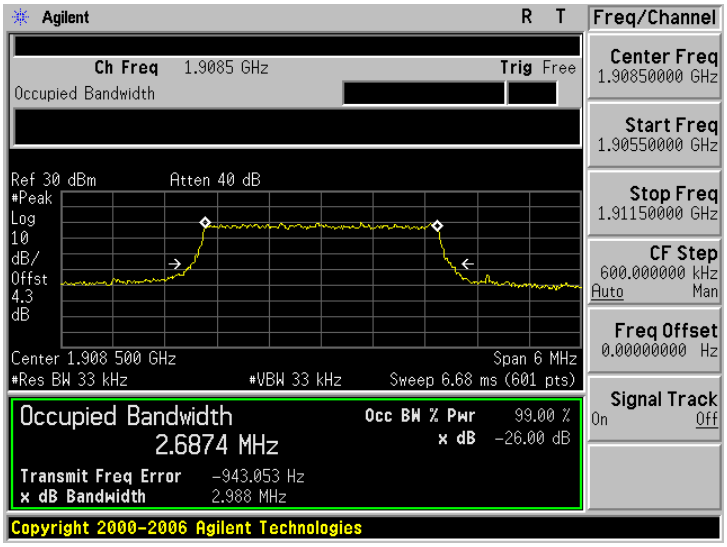
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK	
1852.5 MHz	
1880.0 MHz	
1907.5 MHz	

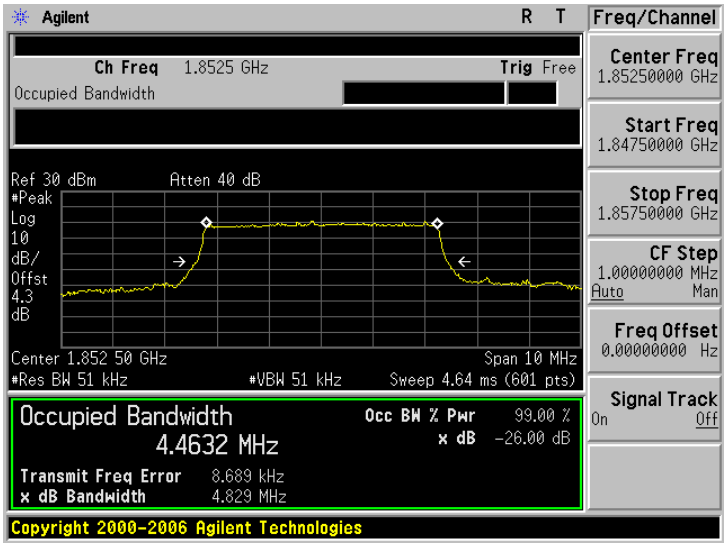
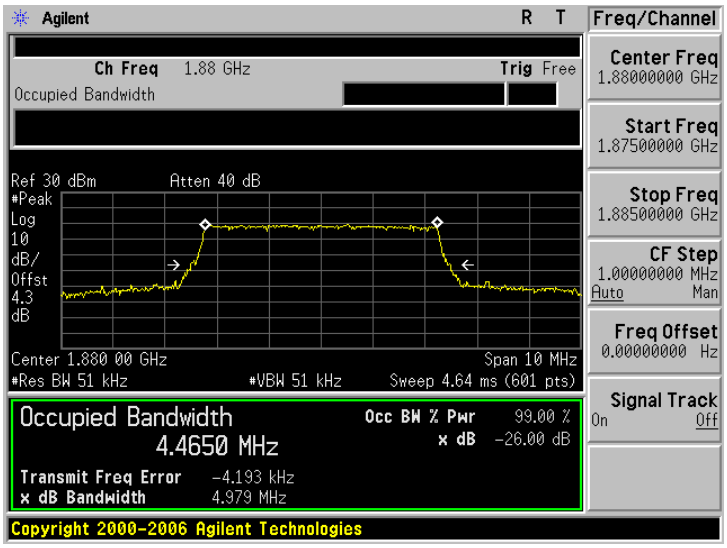
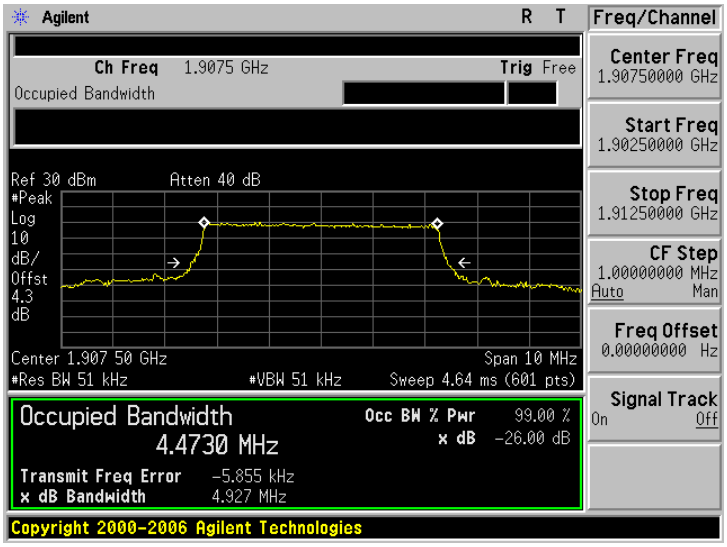
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK	
1855.0 MHz	
1880.0 MHz	
1905.0 MHz	

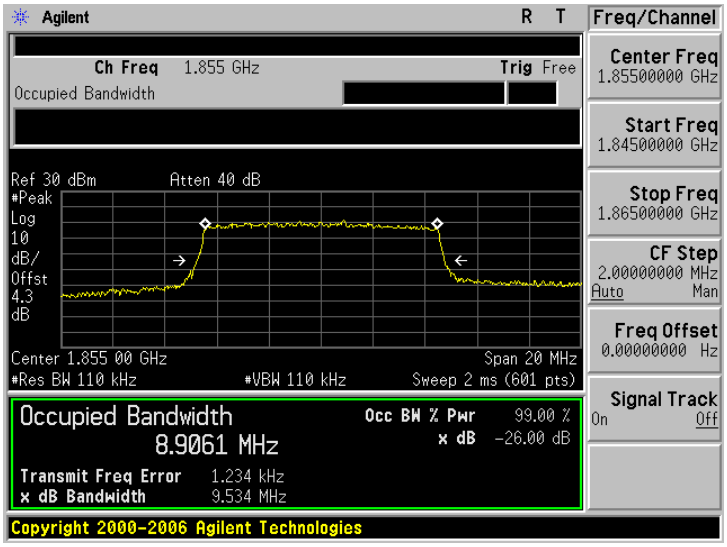
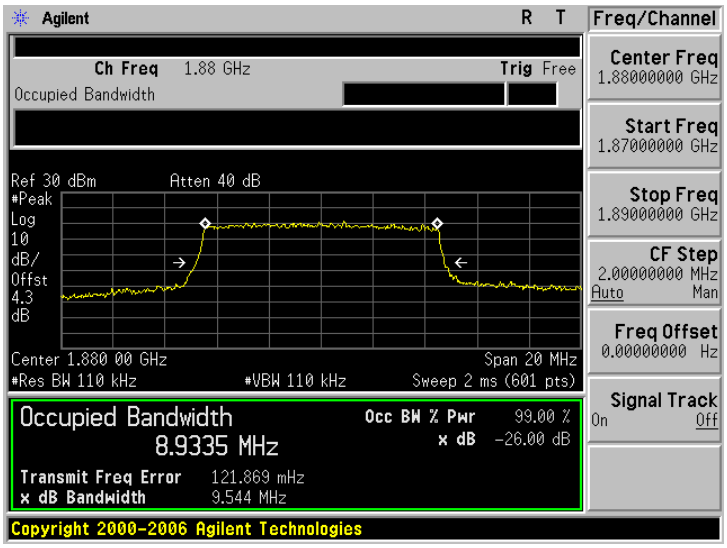
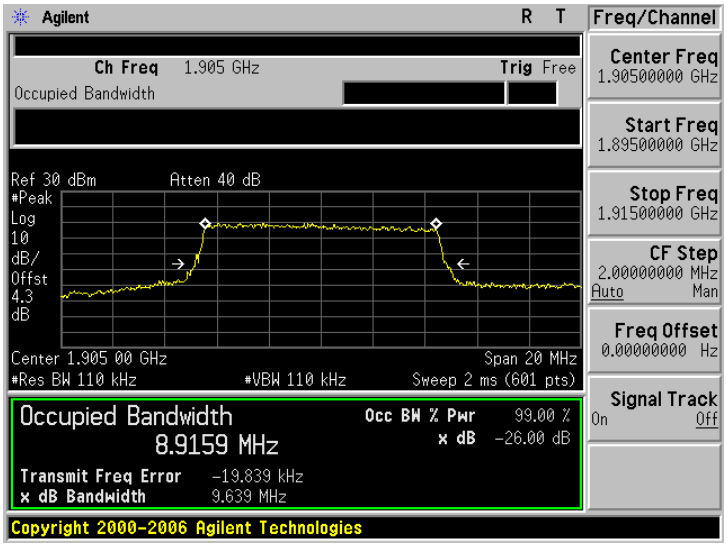
LTE Band 2 (Channel Bandwidth: 15 MHz) _ QPSK	
1857.5 MHz	
1880.0 MHz	
1902.5 MHz	

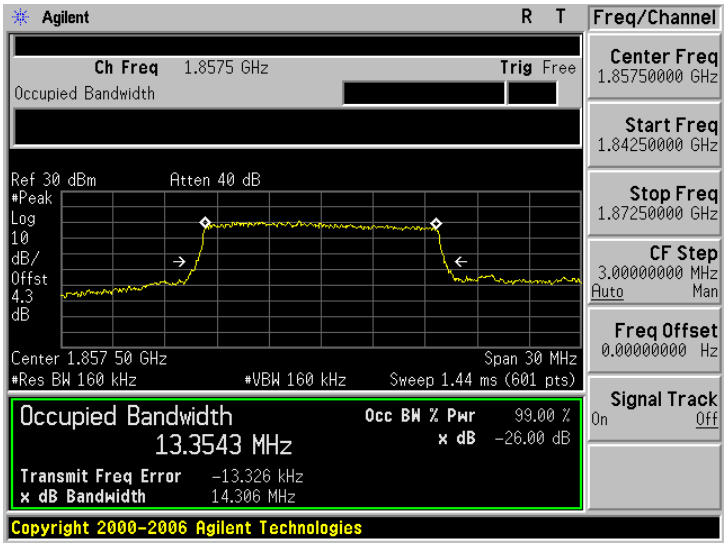
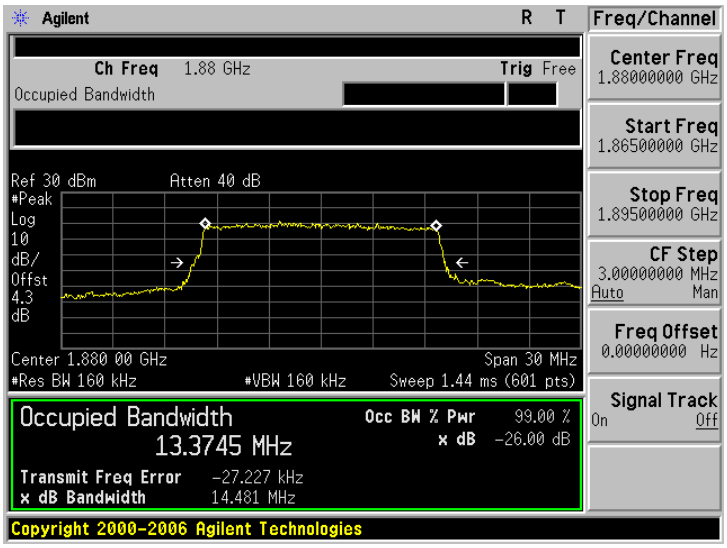
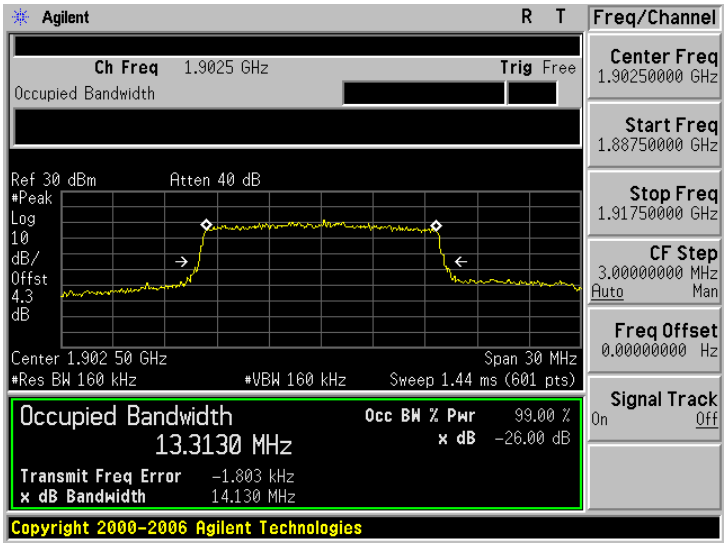
LTE Band 2 (Channel Bandwidth: 20 MHz) _ QPSK	
1860.0 MHz	
1880.0 MHz	
1900.0 MHz	

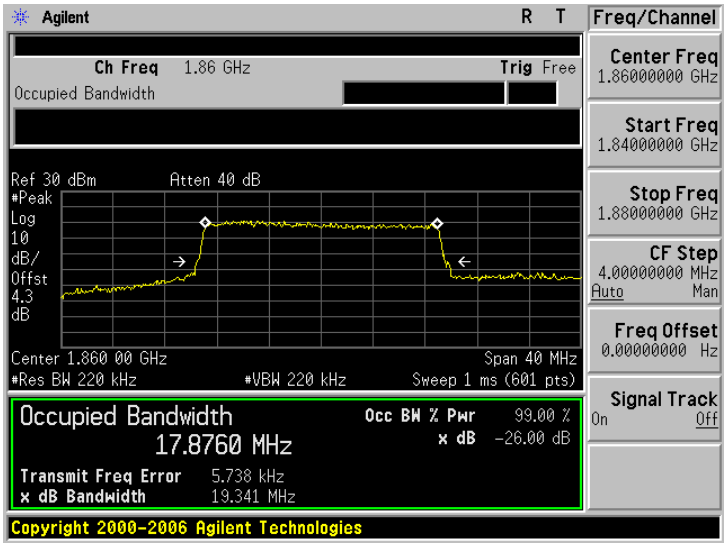
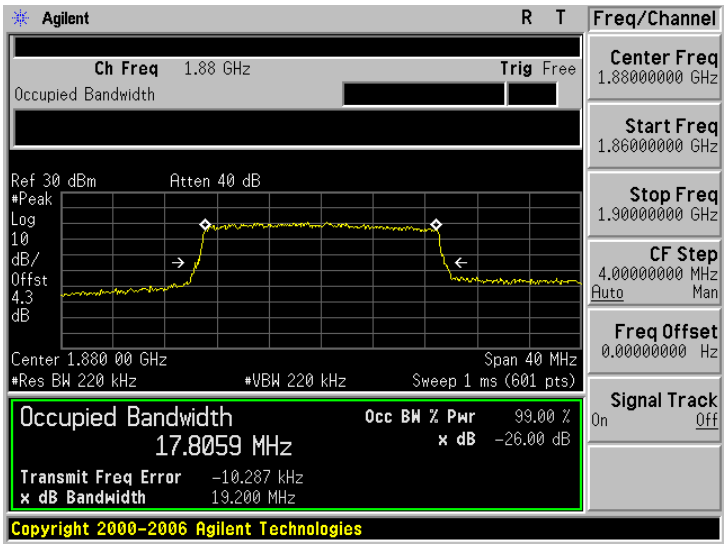
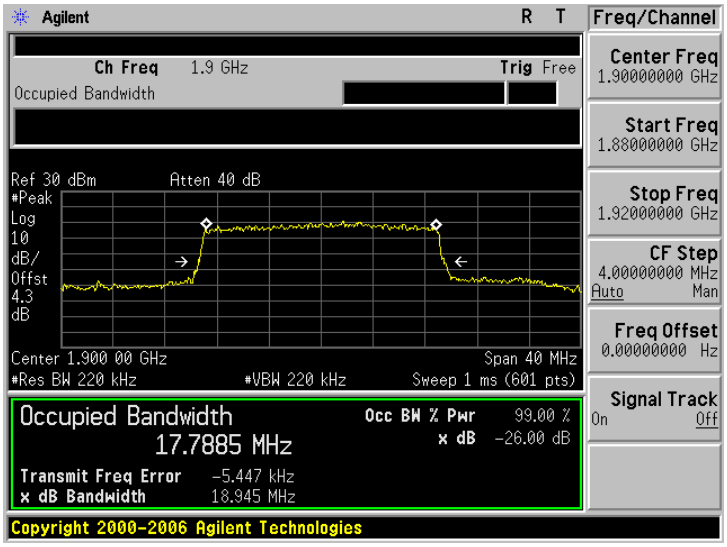
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1850.7 MHz	
1880.0 MHz	
1909.3 MHz	

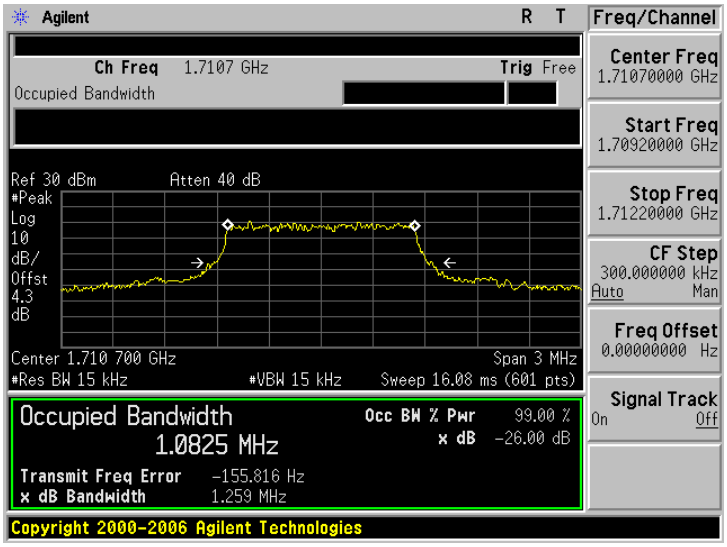
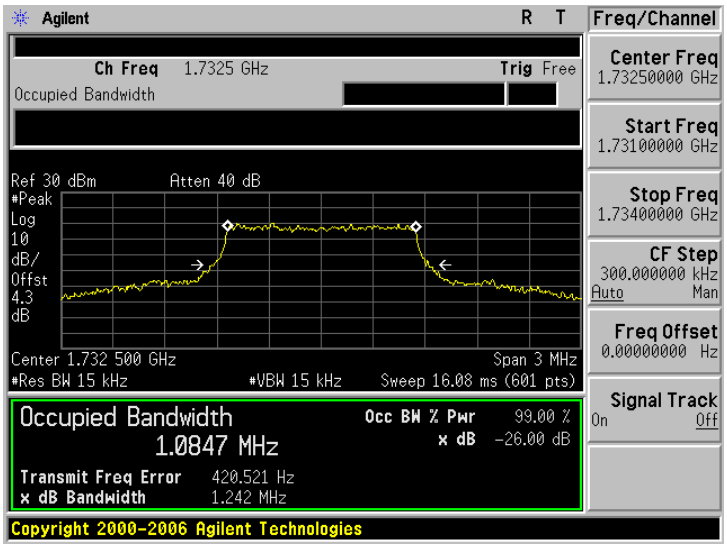
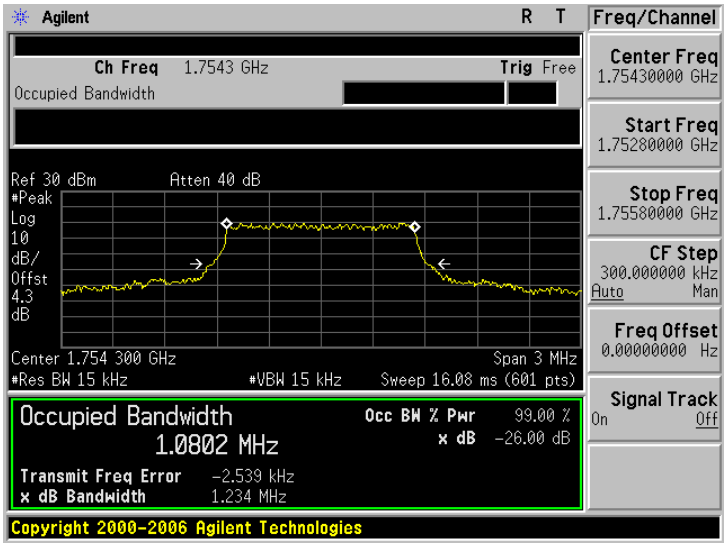
LTE Band 2 (Channel Bandwidth: 3 MHz) _ 16QAM	
1851.5 MHz	
1880.0 MHz	
1908.5 MHz	

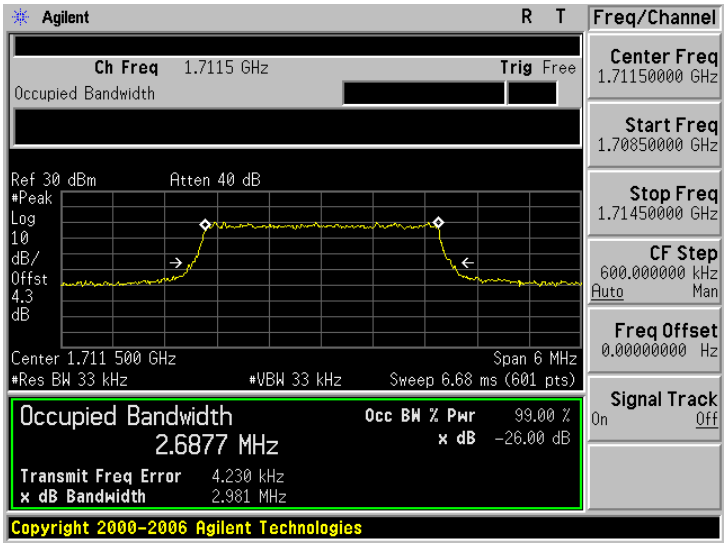
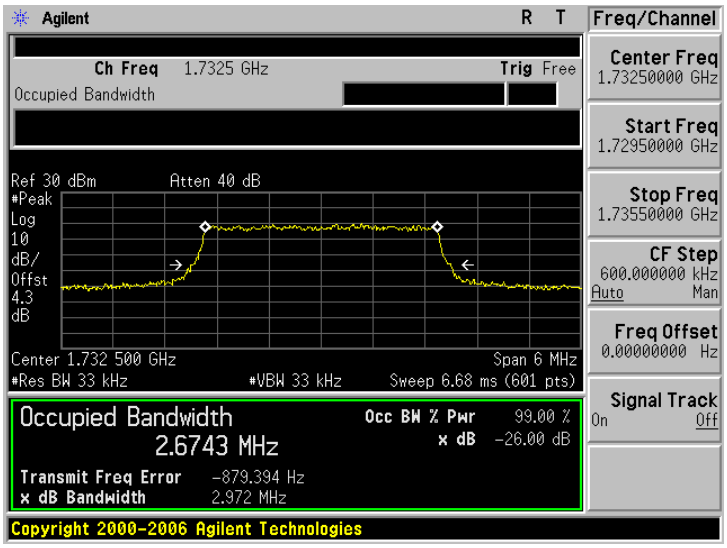
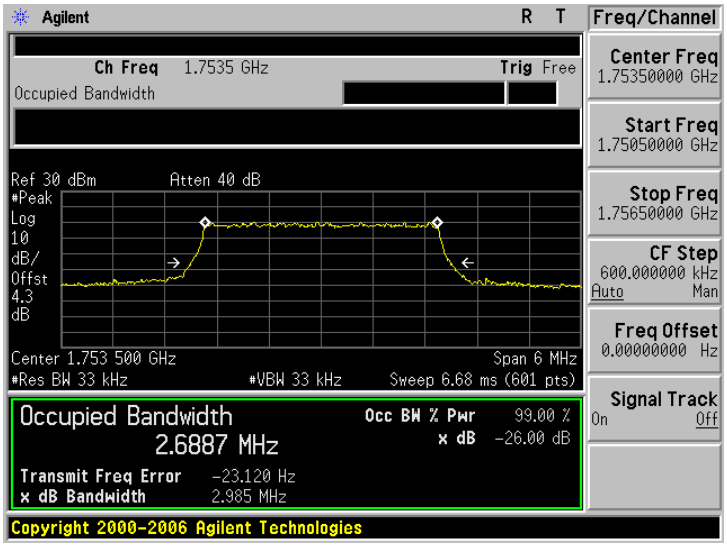
LTE Band 2 (Channel Bandwidth: 5 MHz) _ 16QAM	
1852.5 MHz	
1880.0 MHz	
1907.5 MHz	

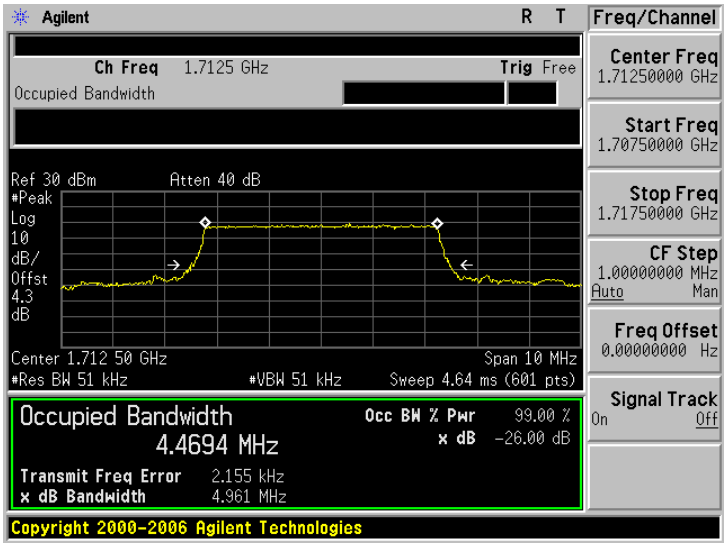
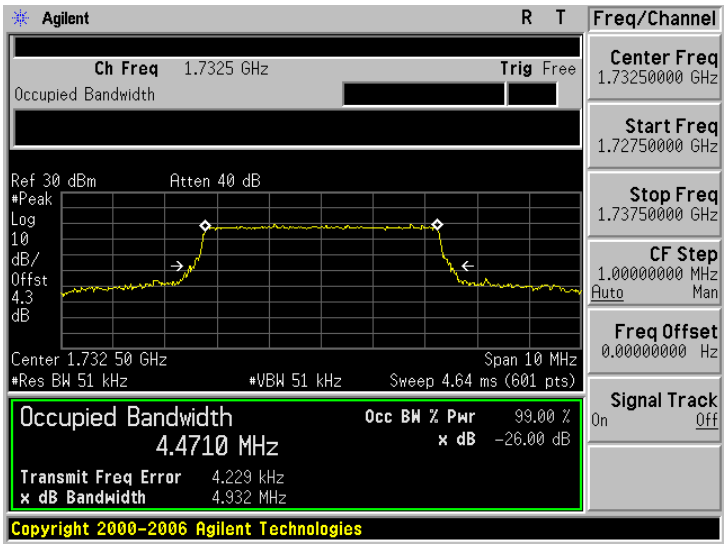
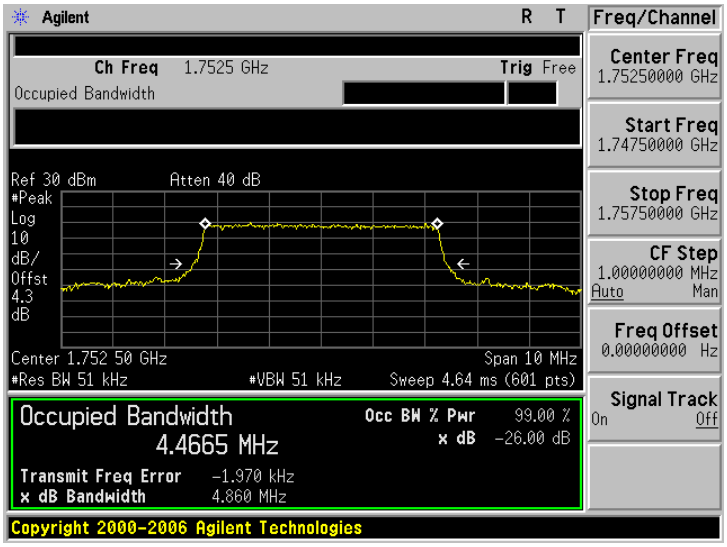
LTE Band 2 (Channel Bandwidth: 10 MHz) _ 16QAM	
1855.0 MHz	
1880.0 MHz	
1905.0 MHz	

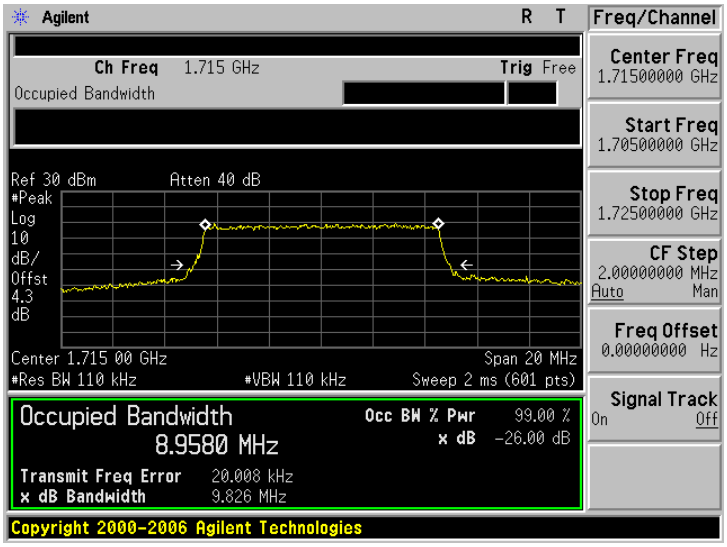
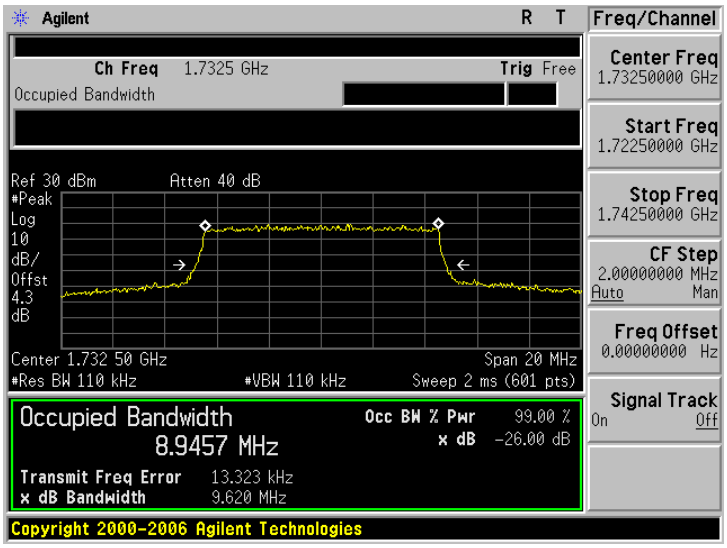
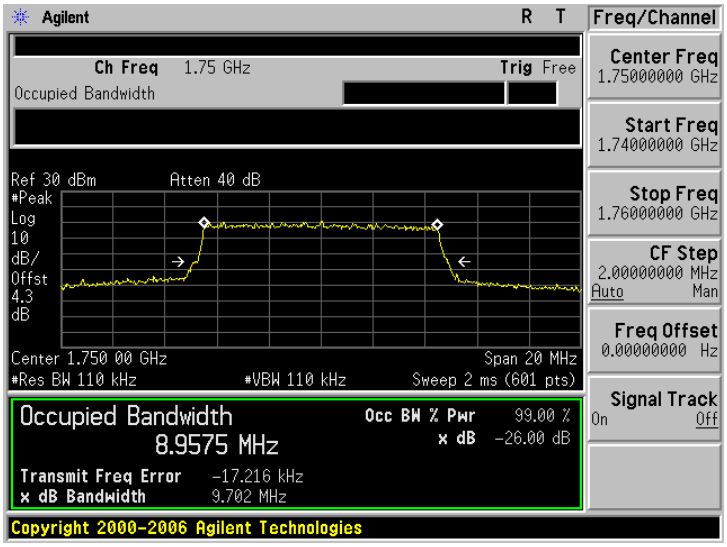
LTE Band 2 (Channel Bandwidth: 15 MHz) _ 16QAM	
1857.5 MHz	
1880.0 MHz	
1902.5 MHz	

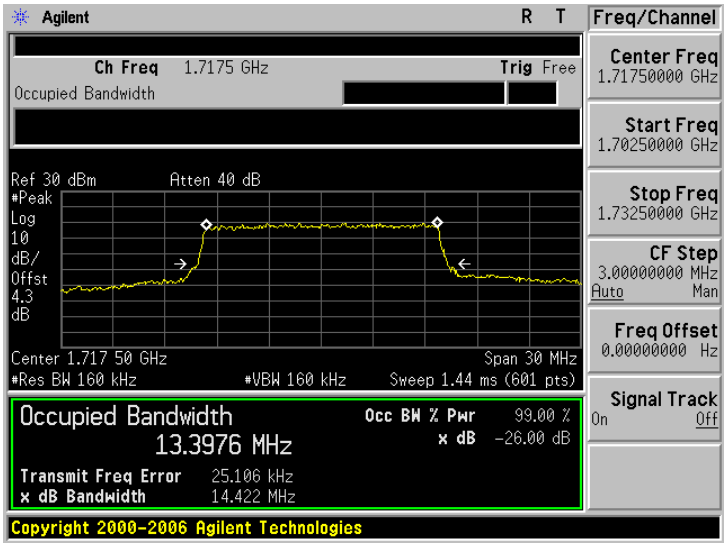
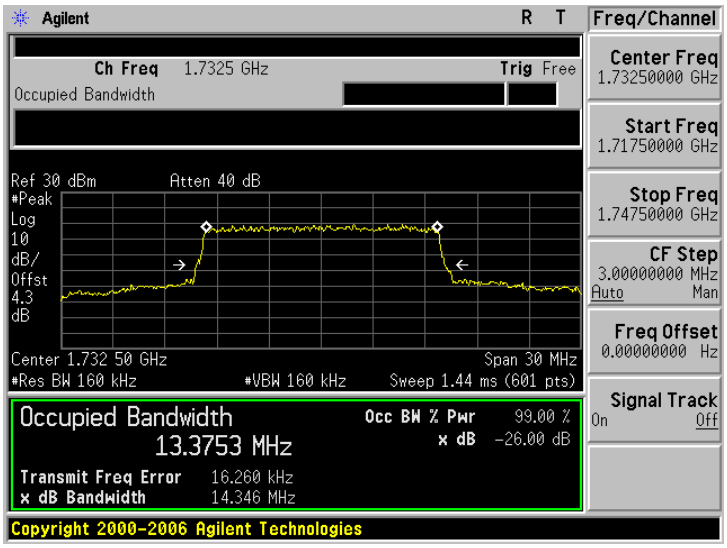
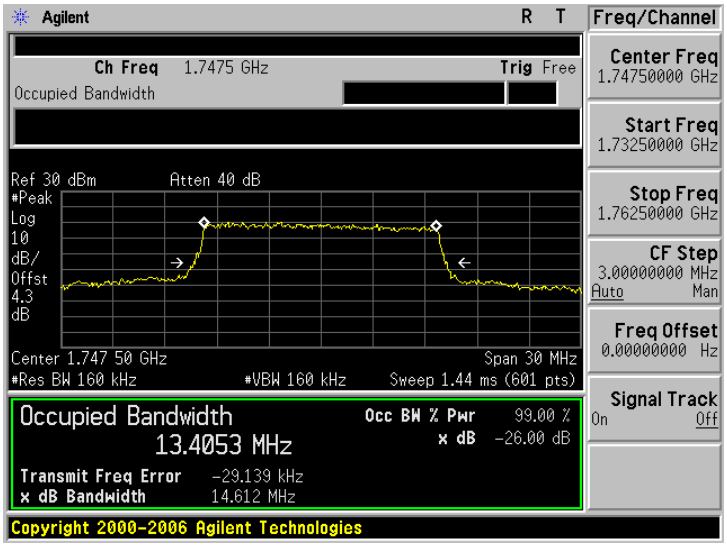
LTE Band 2 (Channel Bandwidth: 20 MHz) _ 16QAM	
1860.0 MHz	
1880.0 MHz	
1900.0 MHz	

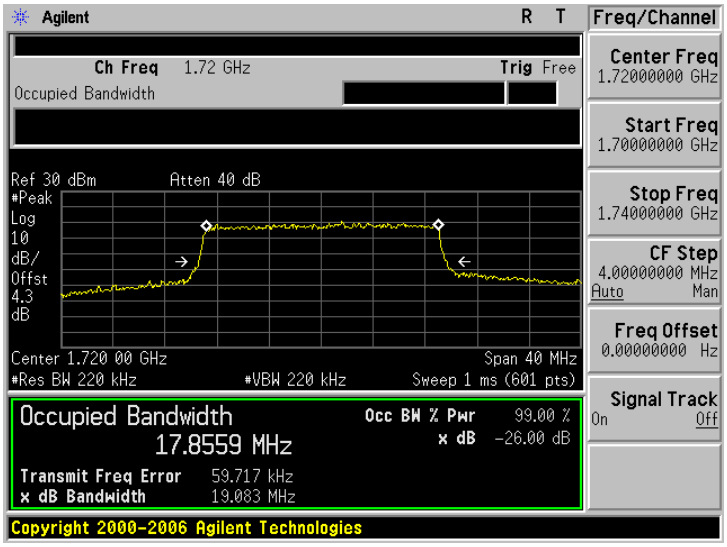
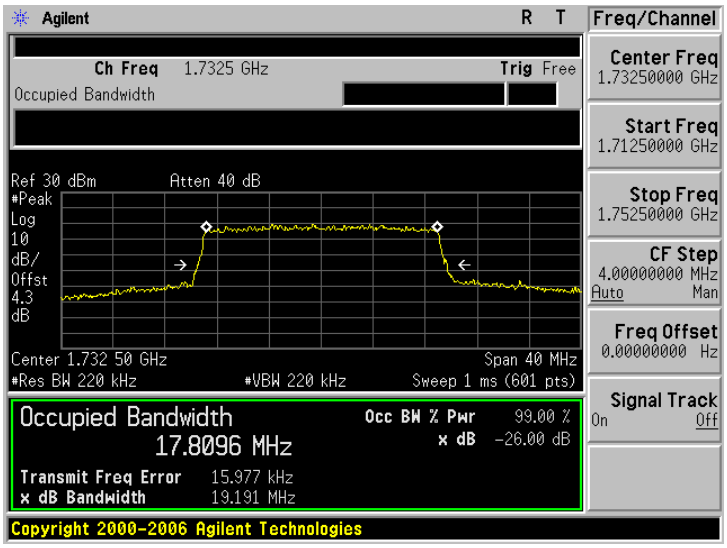
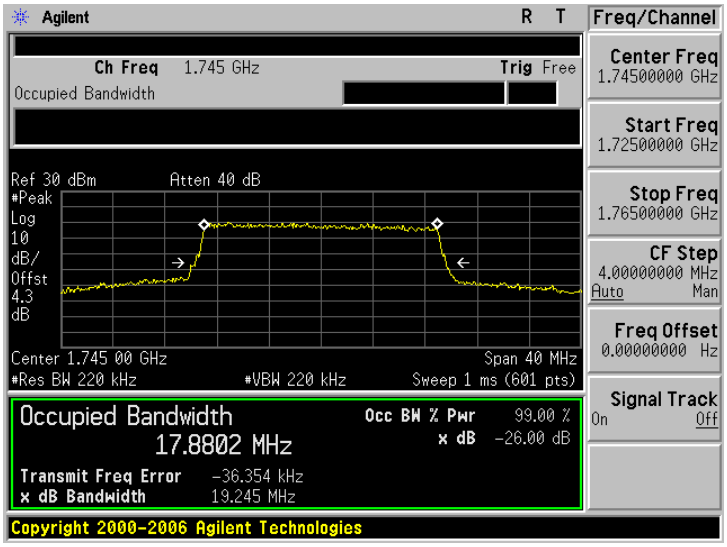
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1710.7 MHz	
1732.5 MHz	
1754.3 MHz	

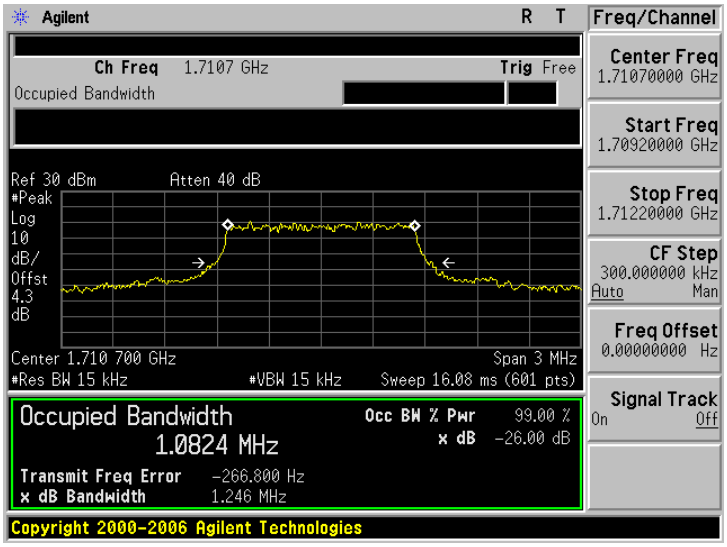
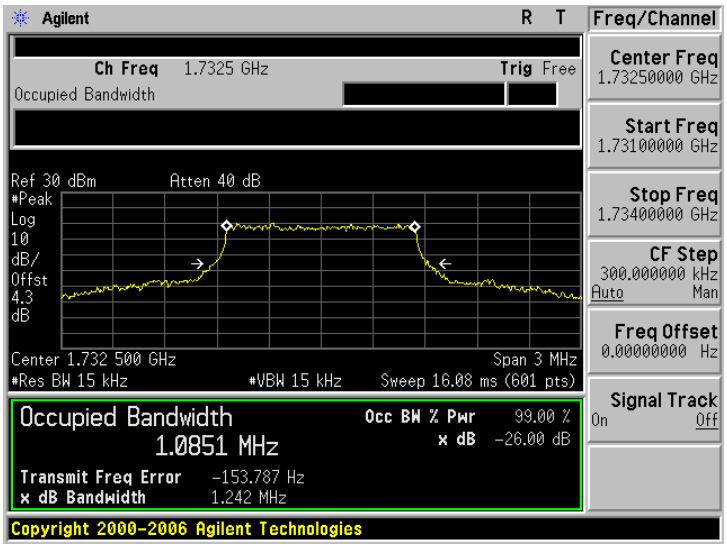
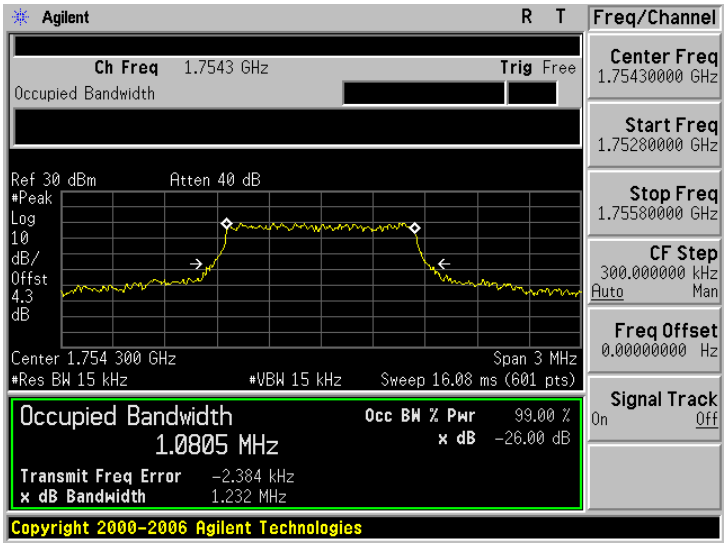
LTE Band 4 (Channel Bandwidth: 3 MHz) _ QPSK	
1711.5 MHz	
1732.5 MHz	
1753.5 MHz	

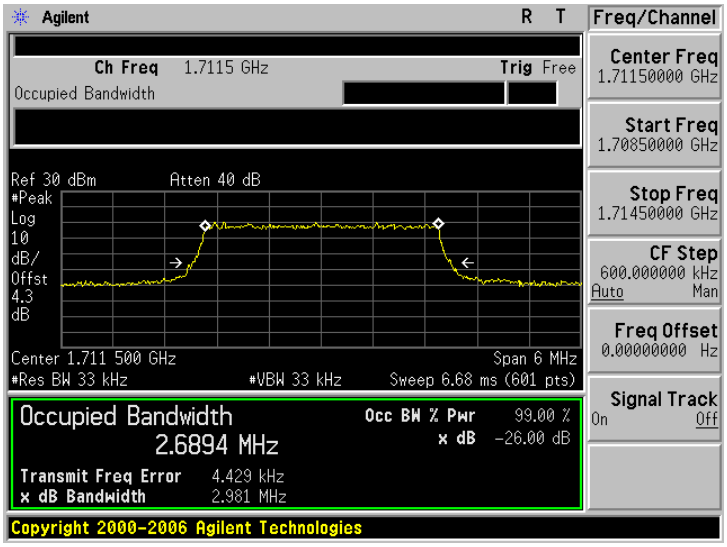
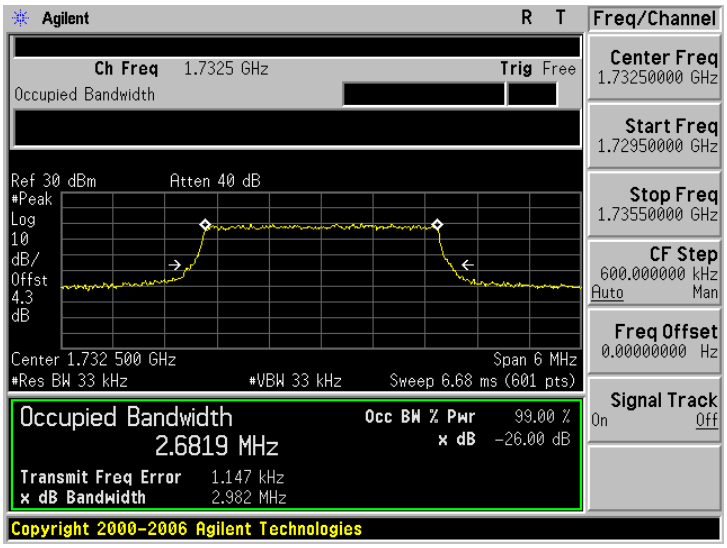
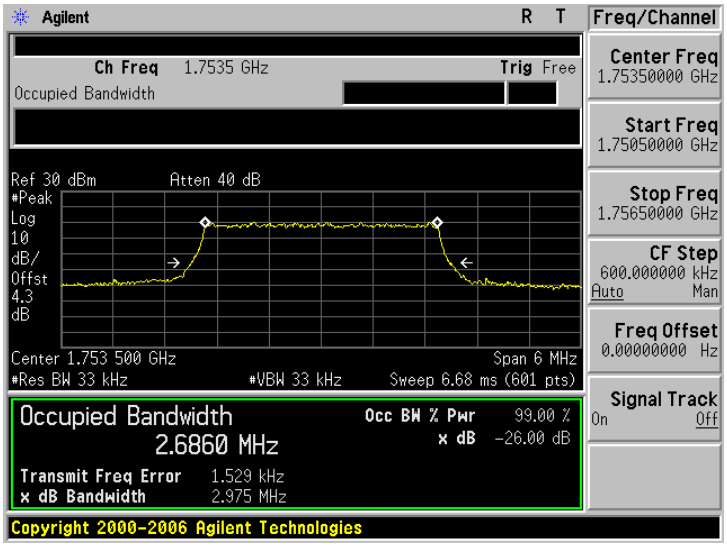
LTE Band 4 (Channel Bandwidth: 5 MHz) _ QPSK	
1712.5 MHz	
1732.5 MHz	
1752.5 MHz	

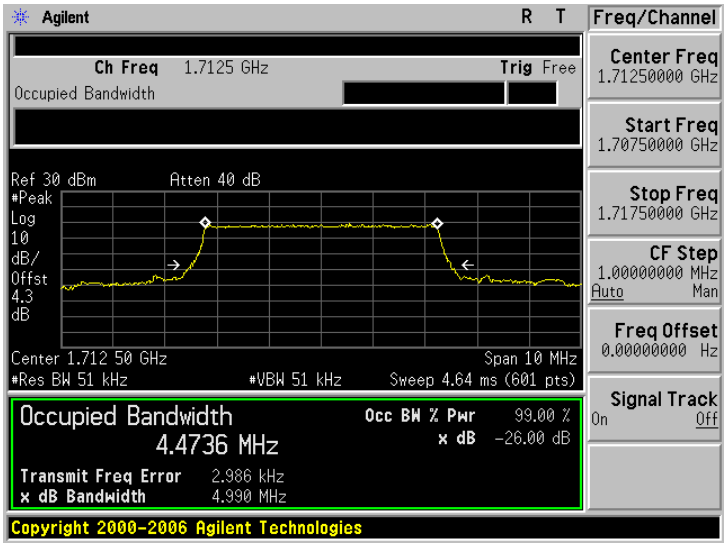
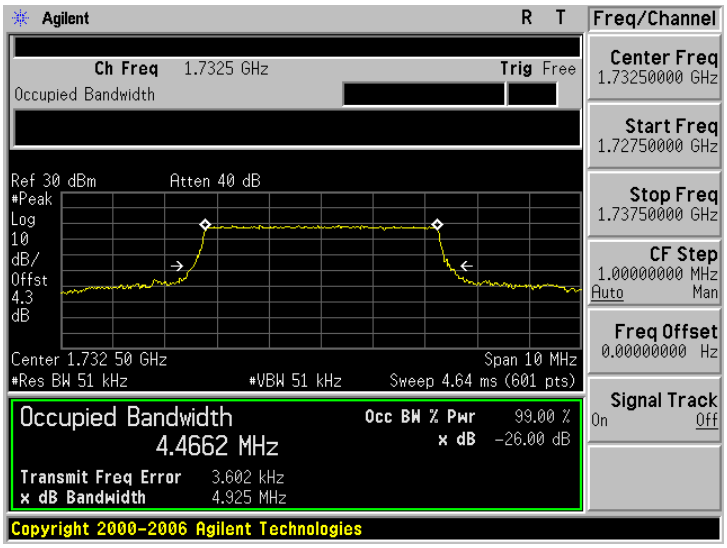
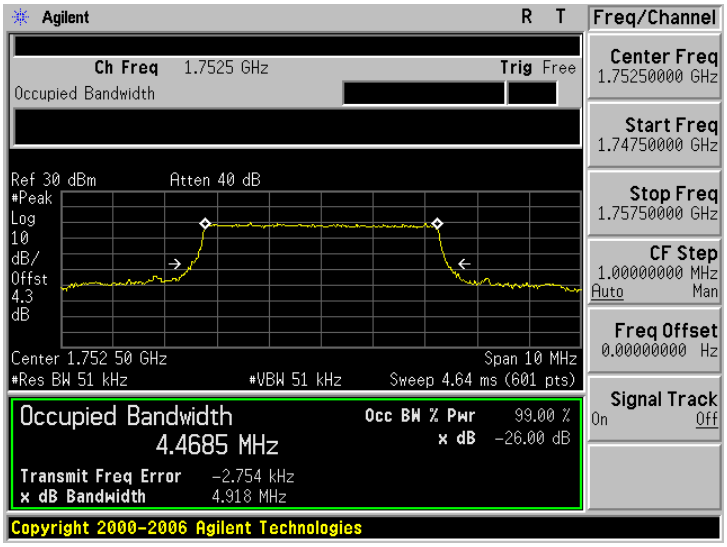
LTE Band 4 (Channel Bandwidth: 10 MHz) _ QPSK	
1715.0 MHz	
1732.5 MHz	
1750.0 MHz	

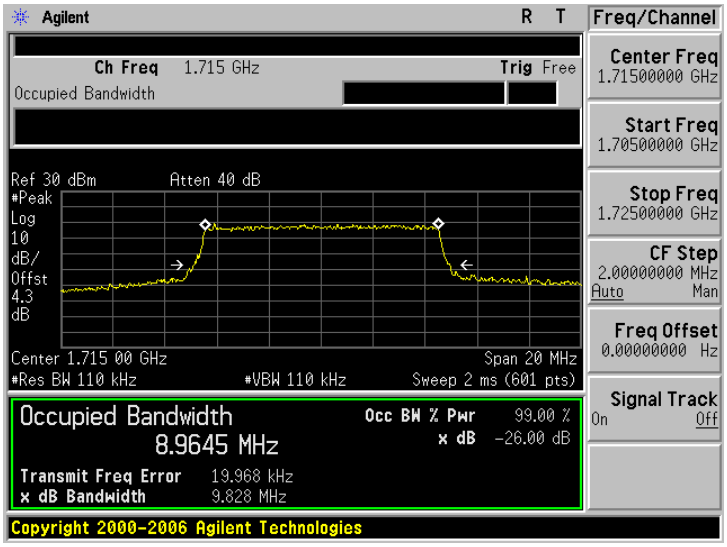
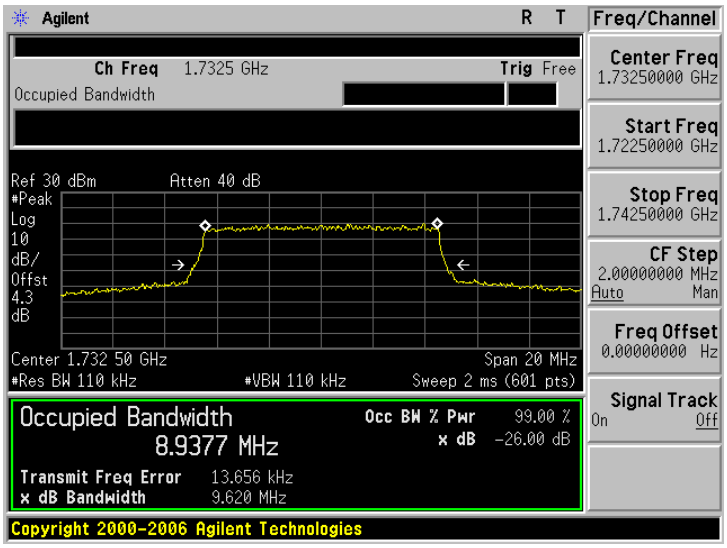
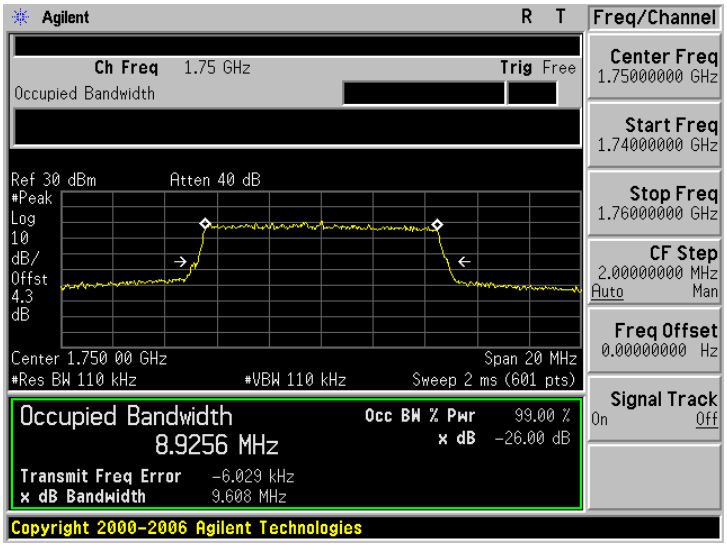
LTE Band 4 (Channel Bandwidth: 15 MHz) _ QPSK	
1717.5 MHz	
1732.5 MHz	
1747.5 MHz	

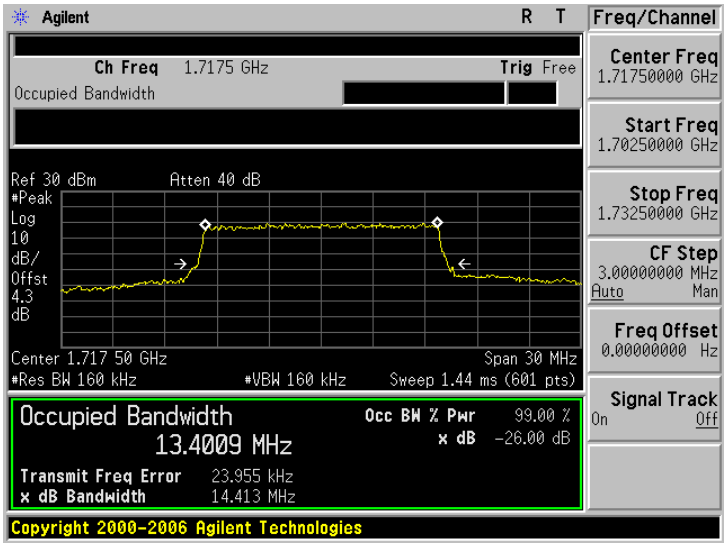
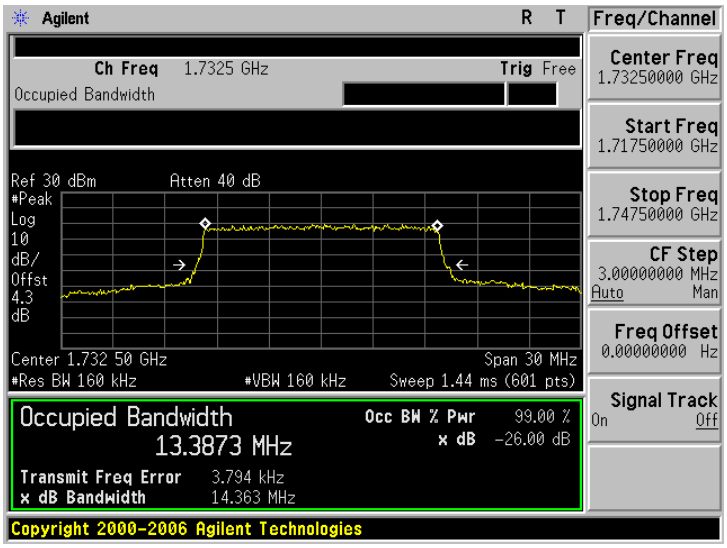
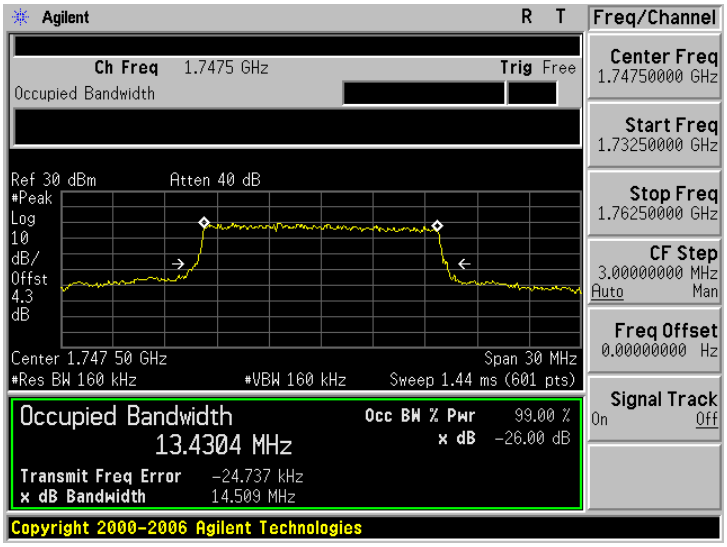
LTE Band 4 (Channel Bandwidth: 20 MHz) _ QPSK	
1720.0 MHz	
1732.5 MHz	
1745.0 MHz	

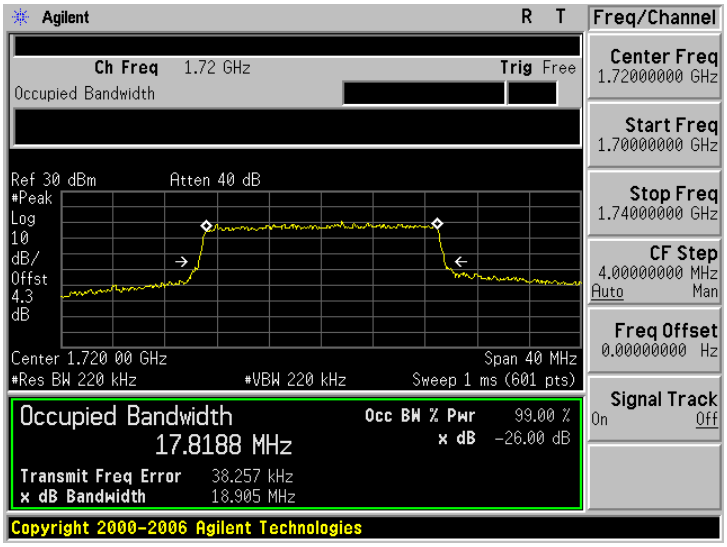
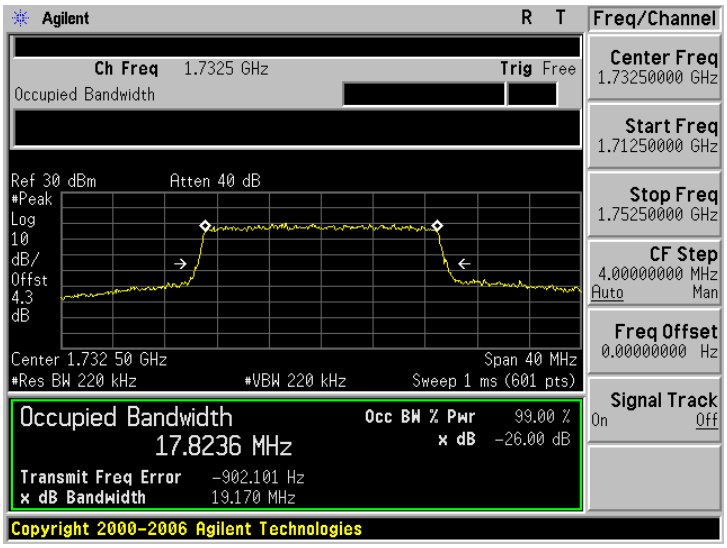
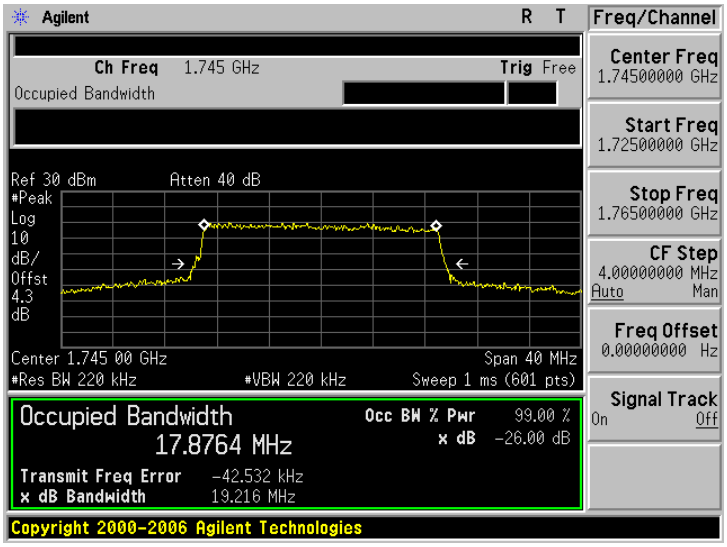
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1710.7 MHz	
1732.5 MHz	
1754.3 MHz	

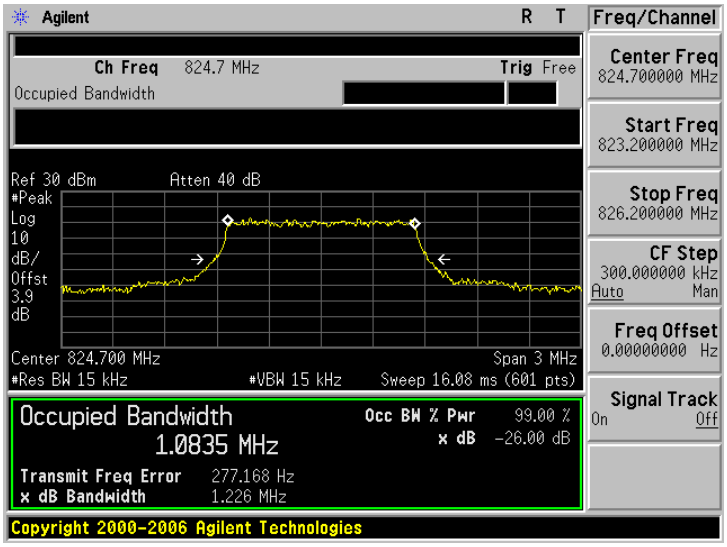
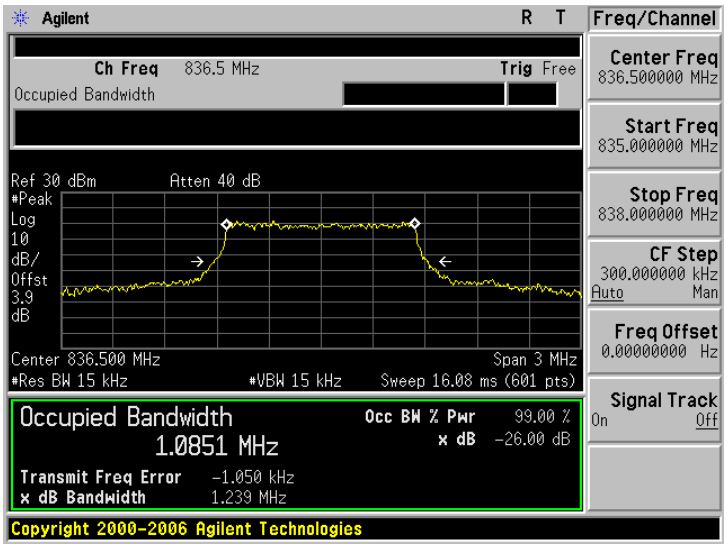
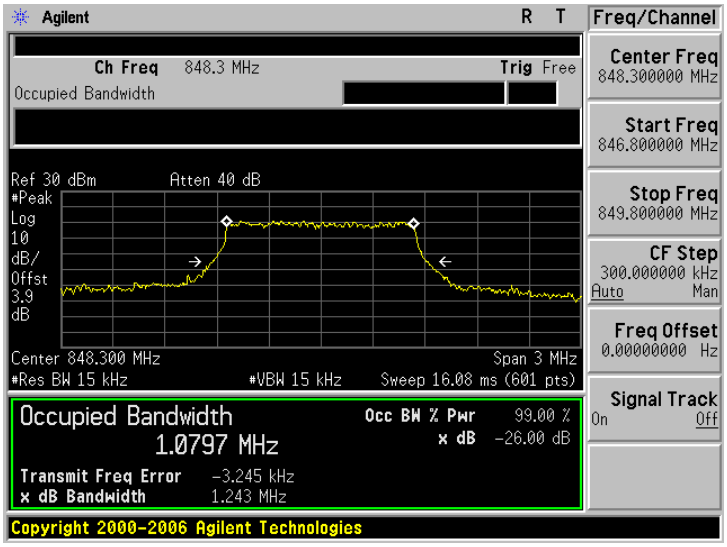
LTE Band 4 (Channel Bandwidth: 3 MHz) _ 16QAM	
1711.5 MHz	
1732.5 MHz	
1753.5 MHz	

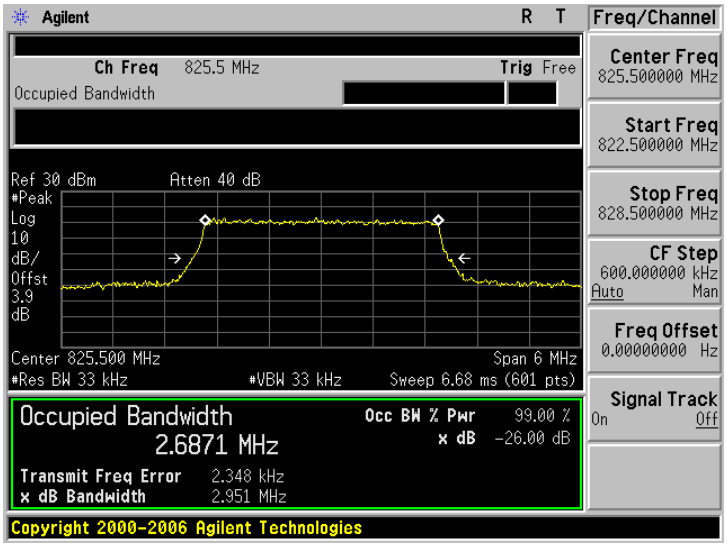
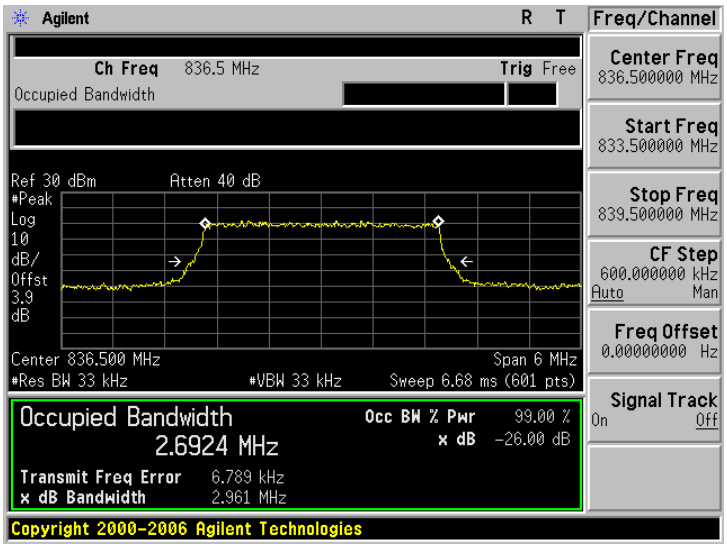
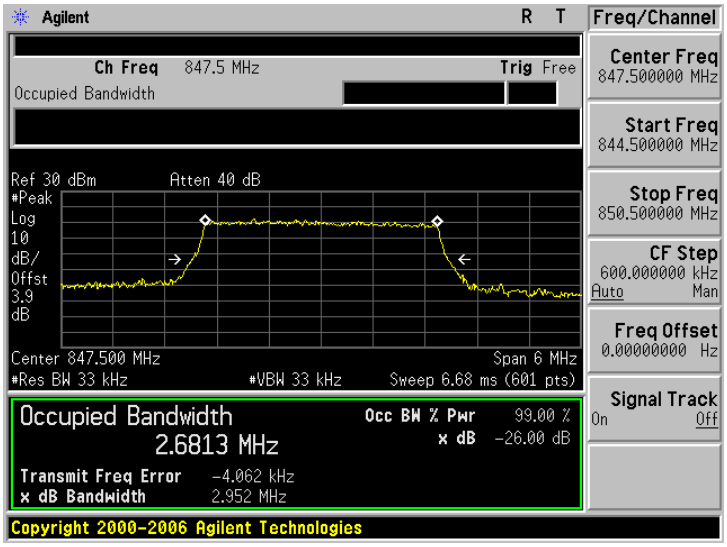
LTE Band 4 (Channel Bandwidth: 5 MHz) _ 16QAM	
1712.5 MHz	
1732.5 MHz	
1752.5 MHz	

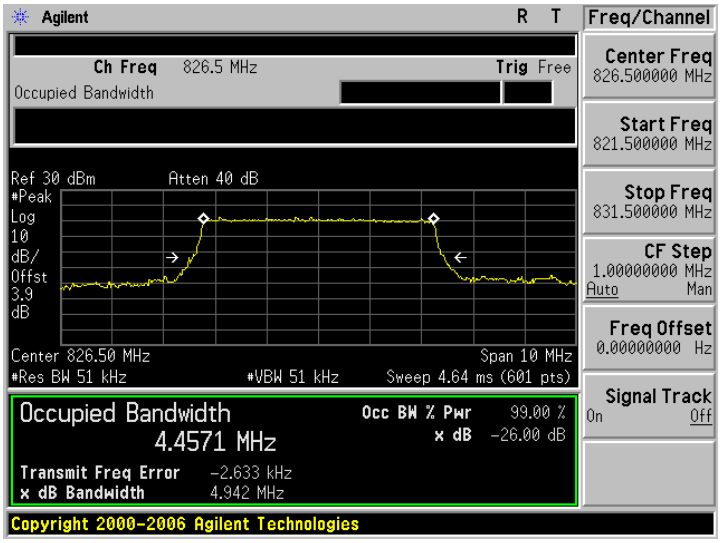
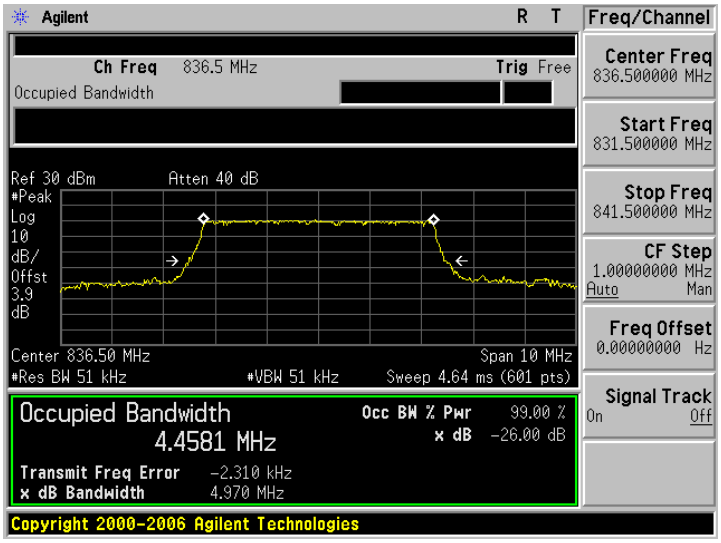
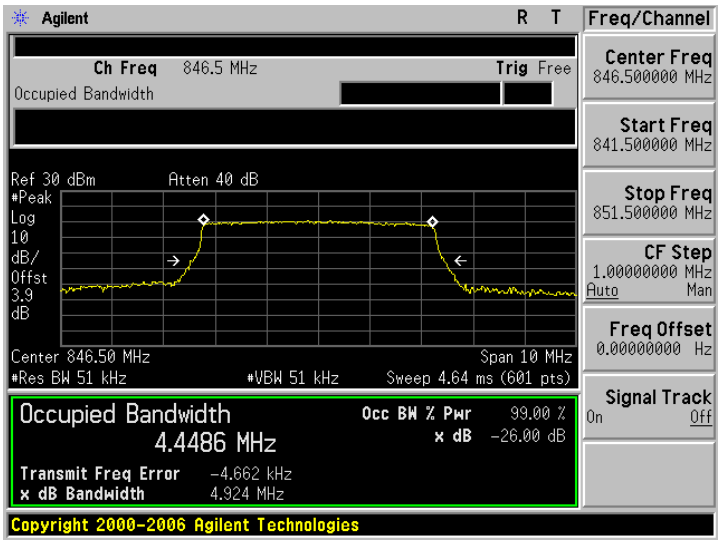
LTE Band 4 (Channel Bandwidth: 10 MHz) _ 16QAM	
1715.0 MHz	
1732.5 MHz	
1750.0 MHz	

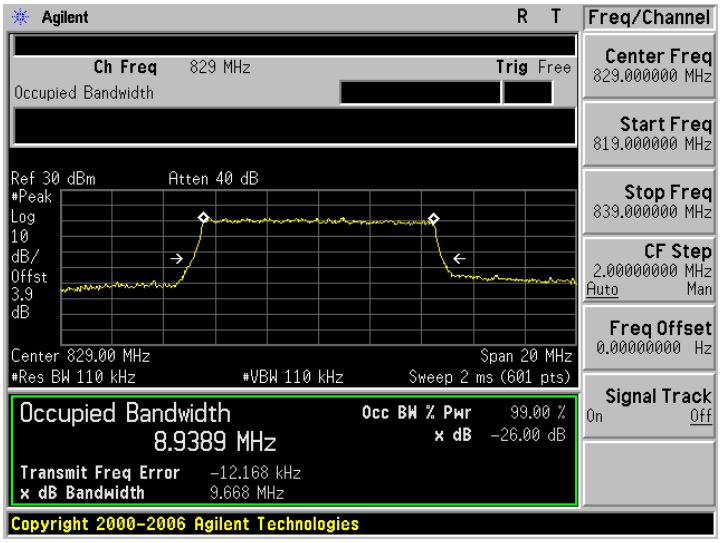
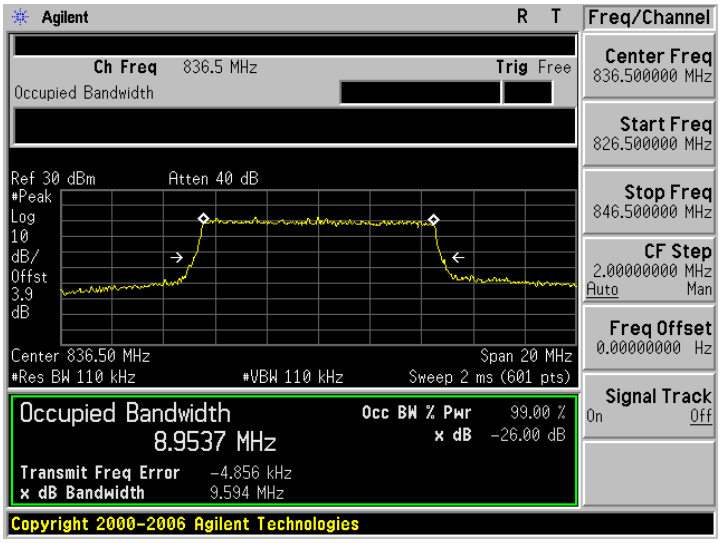
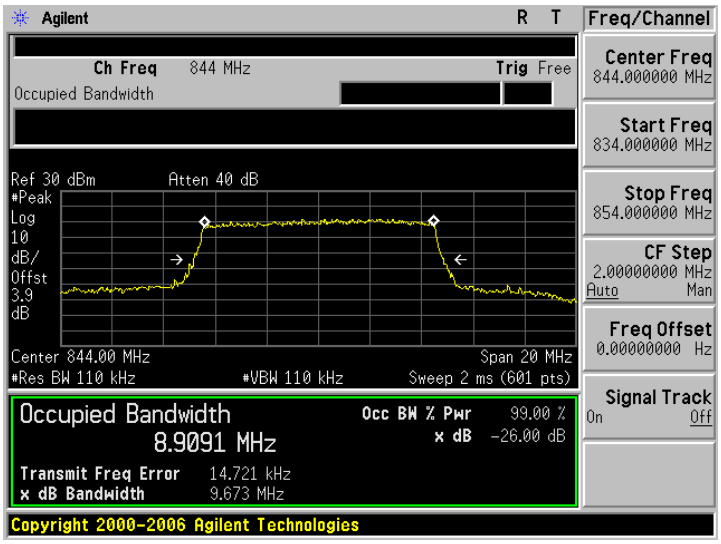
LTE Band 4 (Channel Bandwidth: 15 MHz) _ 16QAM	
1717.5 MHz	
1732.5 MHz	
1747.5 MHz	

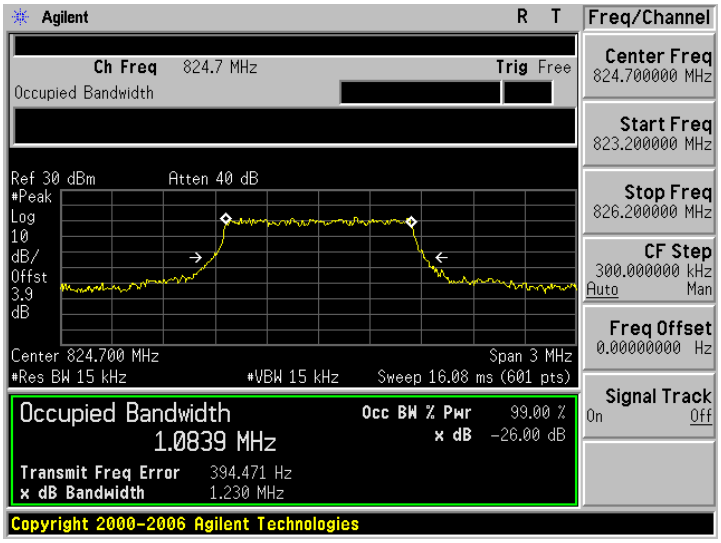
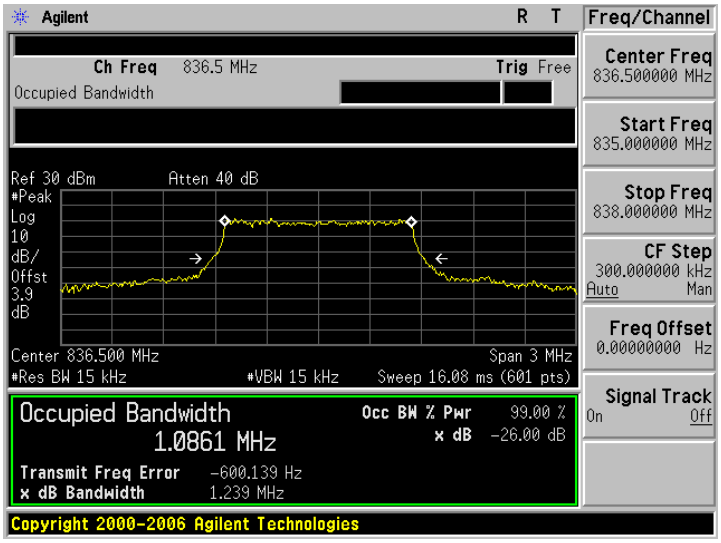
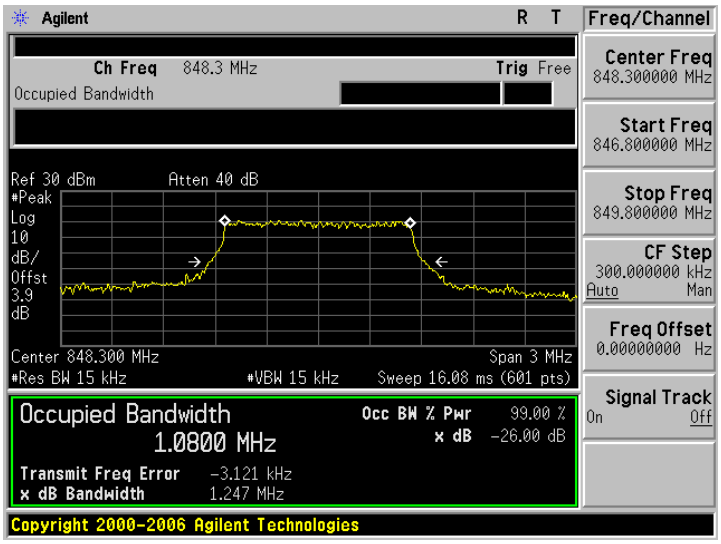
LTE Band 4 (Channel Bandwidth: 20 MHz) _ 16QAM	
1720.0 MHz	
1732.5 MHz	
1745.0 MHz	

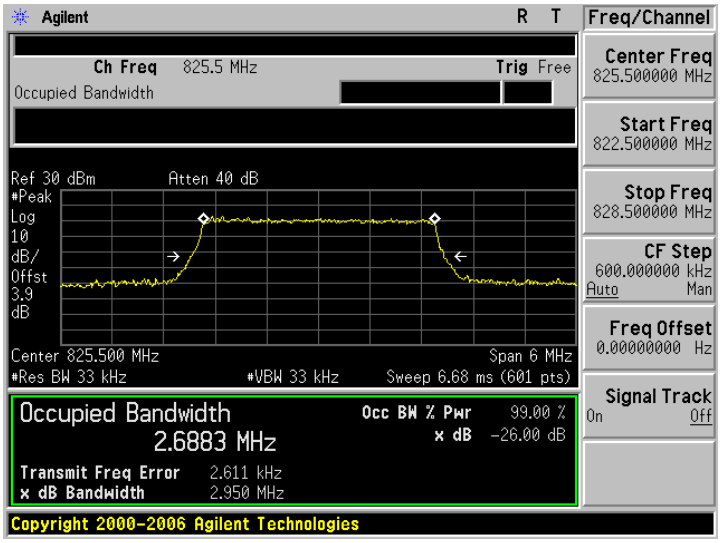
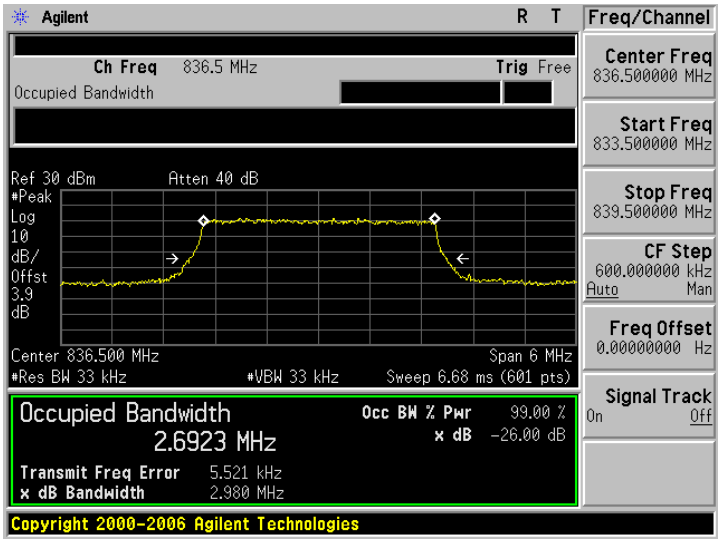
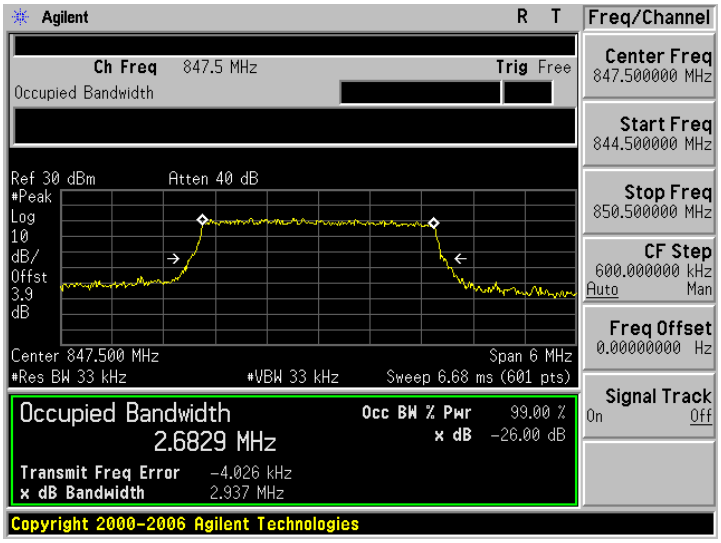
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ QPSK	
824.7 MHz	
836.5 MHz	
848.3 MHz	

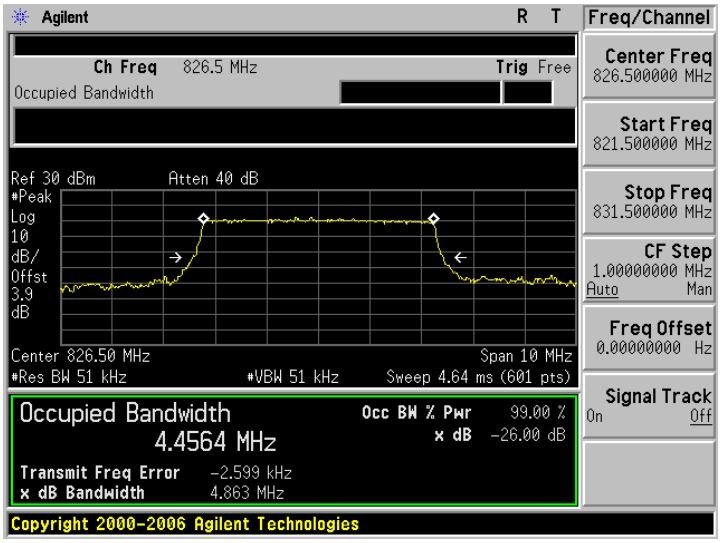
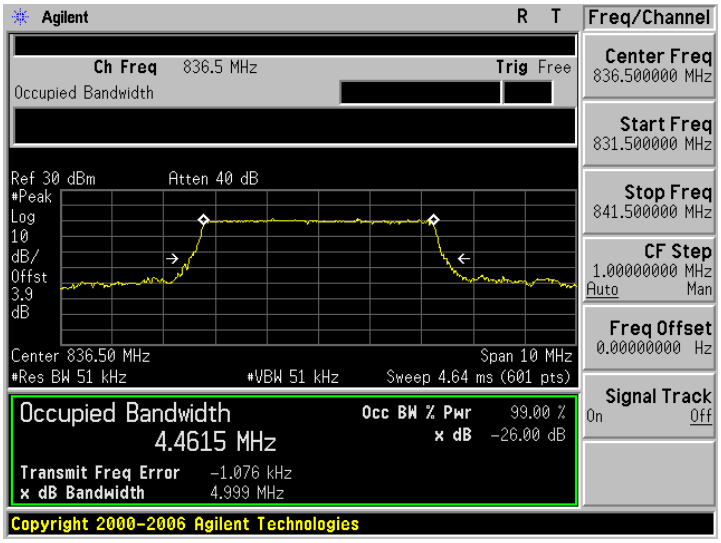
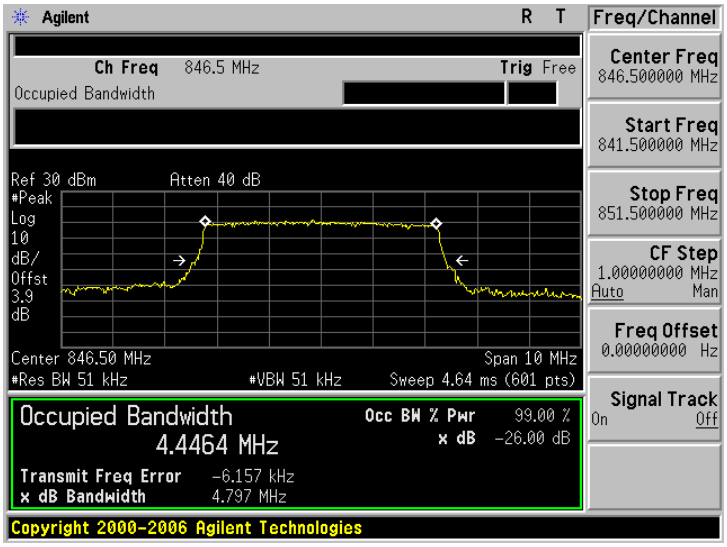
LTE Band 5 (Channel Bandwidth: 3 MHz) _ QPSK	
825.5 MHz	
836.5 MHz	
847.5 MHz	

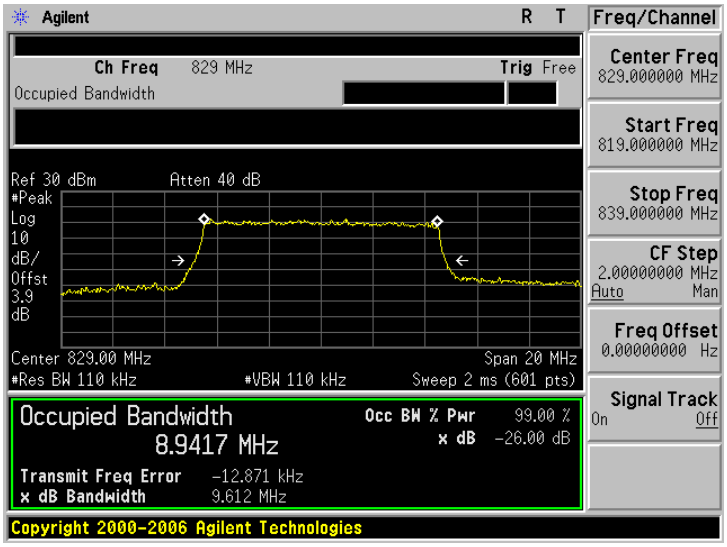
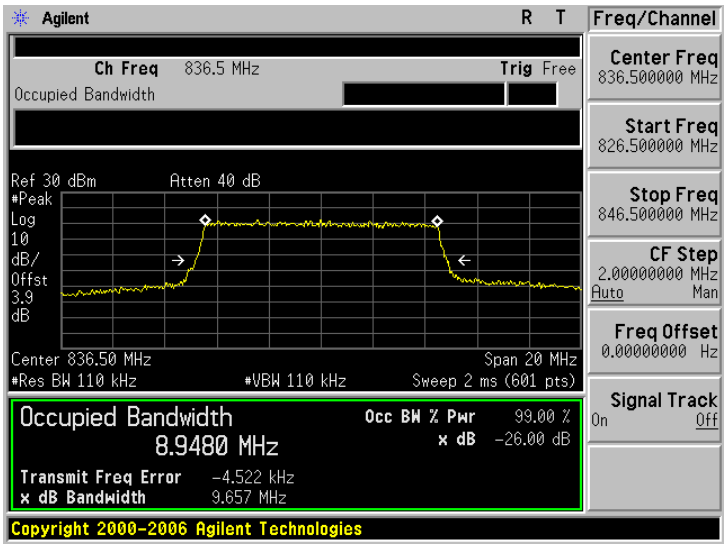
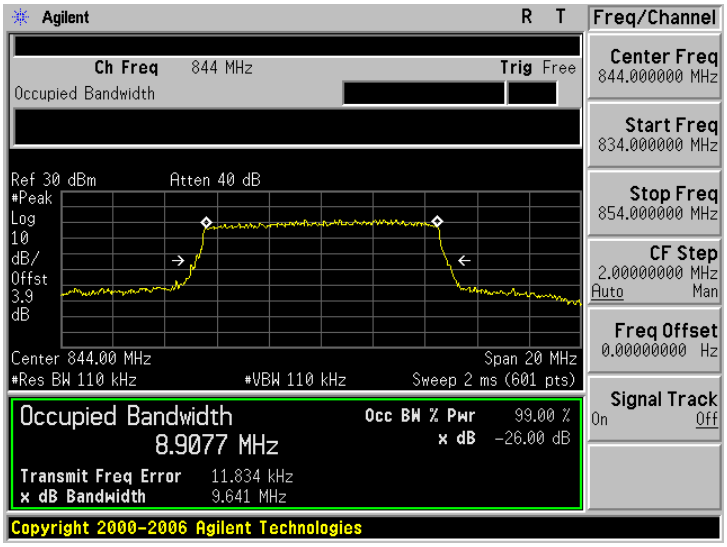
LTE Band 5 (Channel Bandwidth: 5 MHz) _ QPSK	
826.5 MHz	
836.5 MHz	
846.5 MHz	

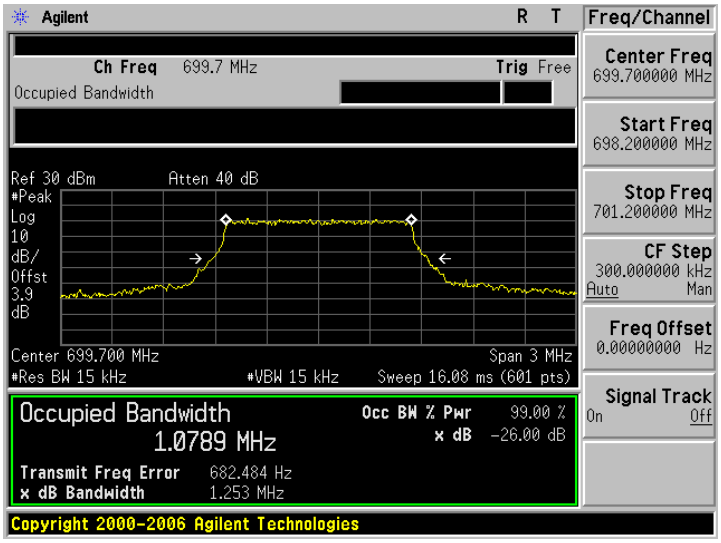
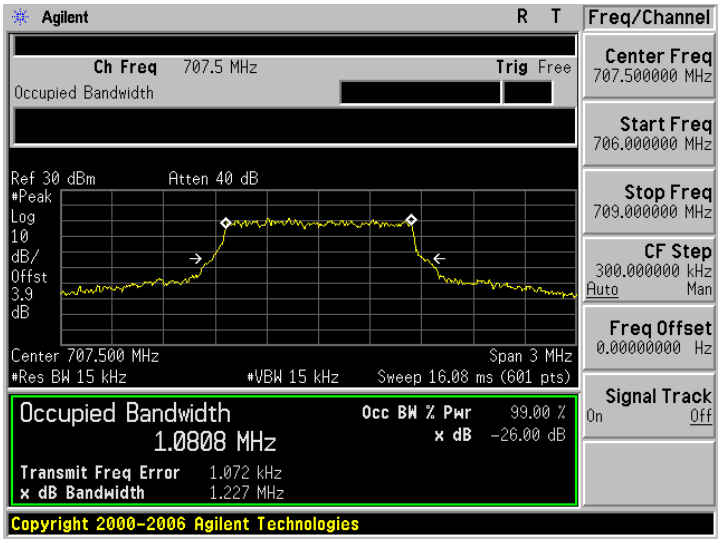
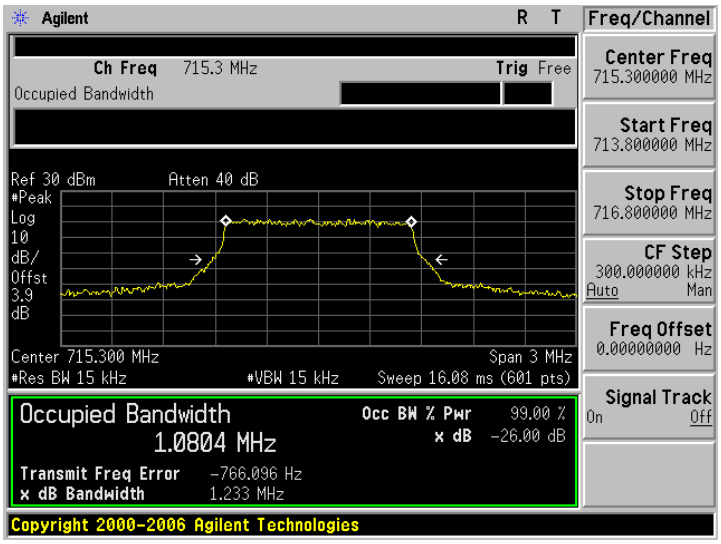
LTE Band 5 (Channel Bandwidth: 10 MHz) _ QPSK	
829.0 MHz	
836.5 MHz	
844.0 MHz	

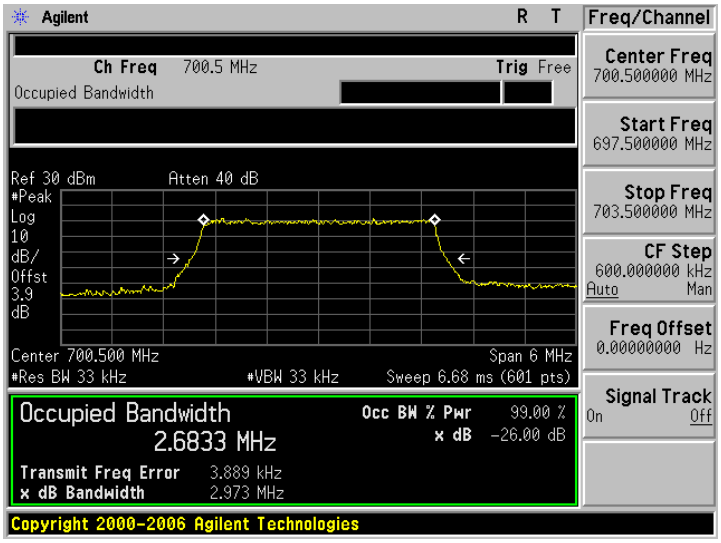
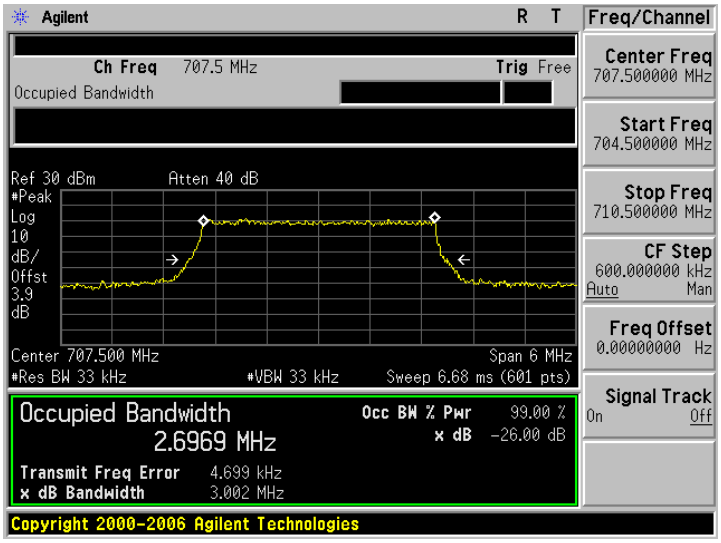
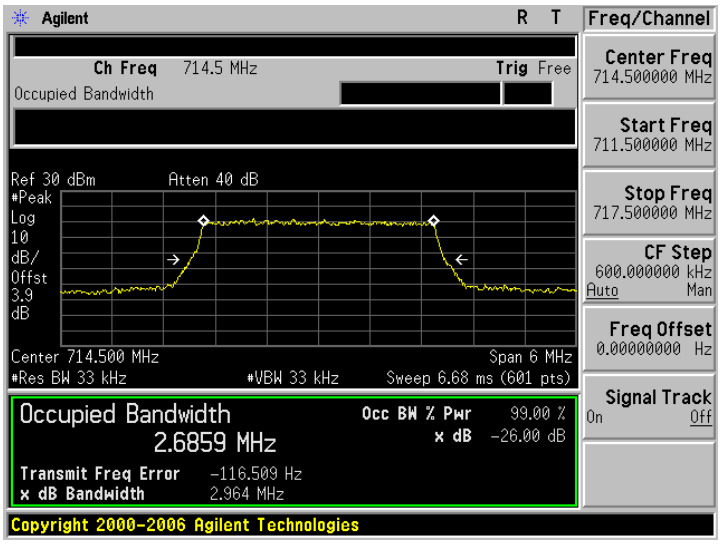
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
824.7 MHz	
836.5 MHz	
848.3 MHz	

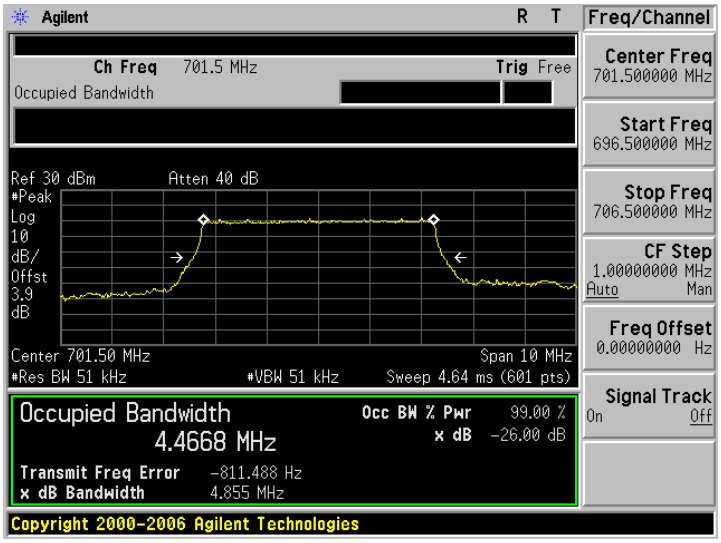
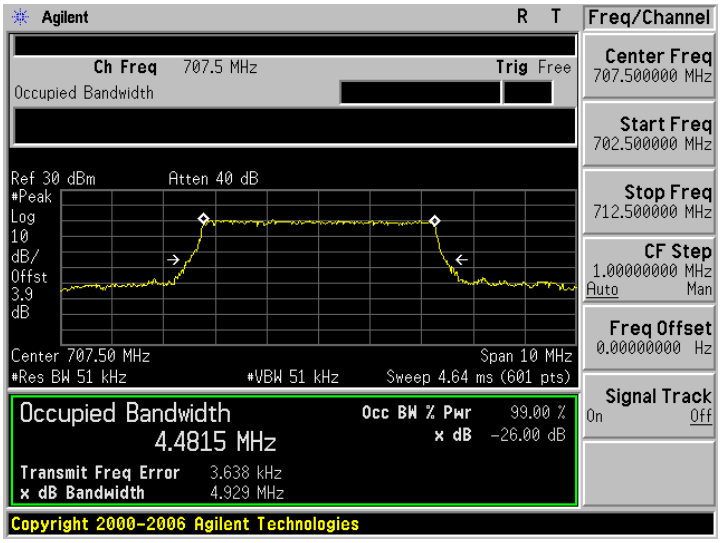
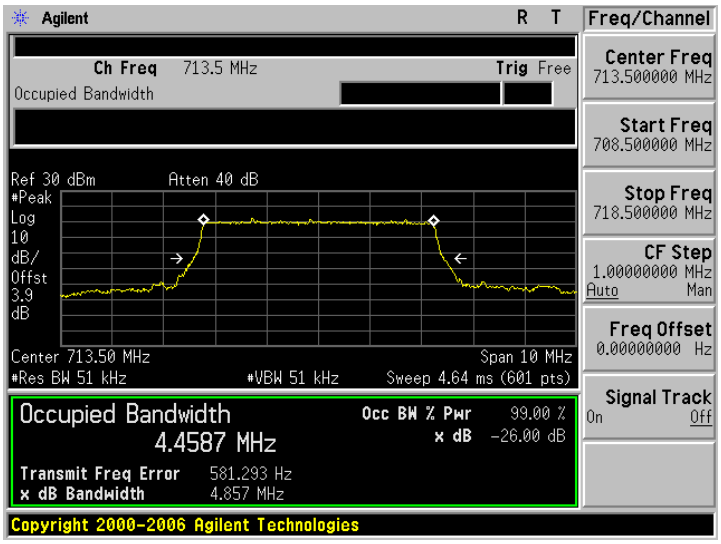
LTE Band 5 (Channel Bandwidth: 3 MHz) _ 16QAM	
825.5 MHz	
836.5 MHz	
847.5 MHz	

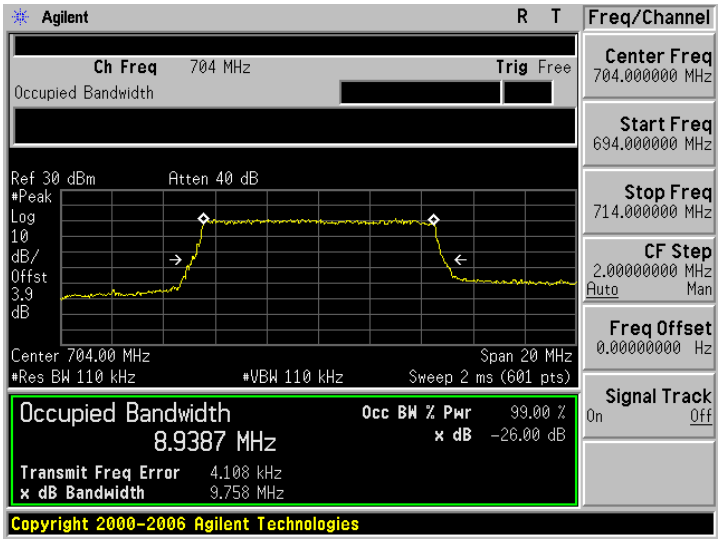
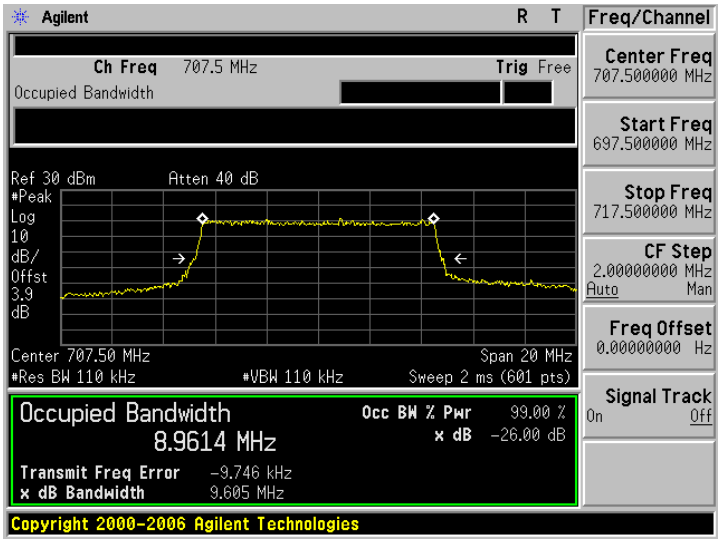
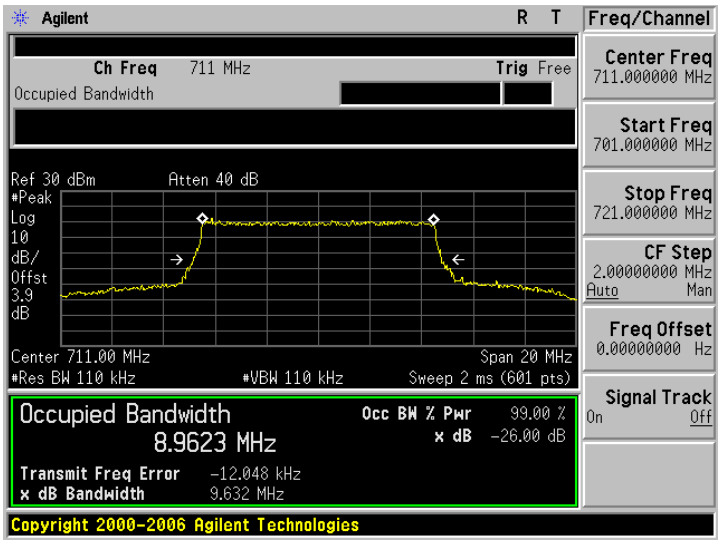
LTE Band 5 (Channel Bandwidth: 5 MHz) _ 16QAM	
826.5 MHz	
836.5 MHz	
846.5 MHz	

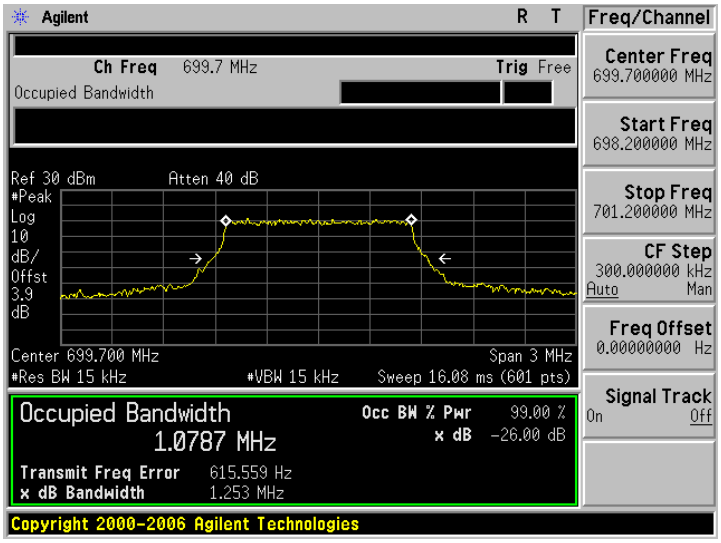
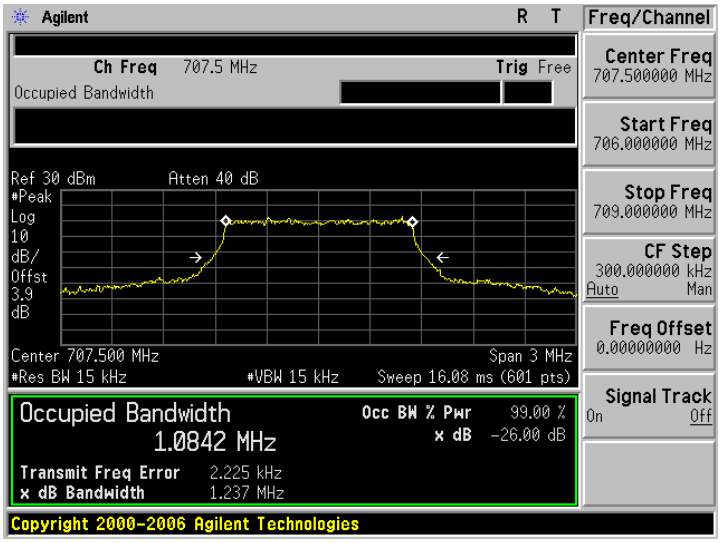
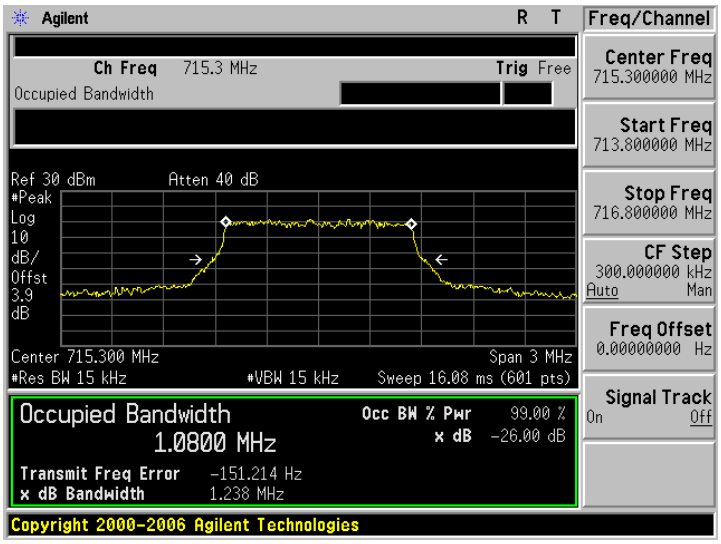
LTE Band 5 (Channel Bandwidth: 10 MHz) _ 16QAM	
829.0 MHz	
836.5 MHz	
844.0 MHz	

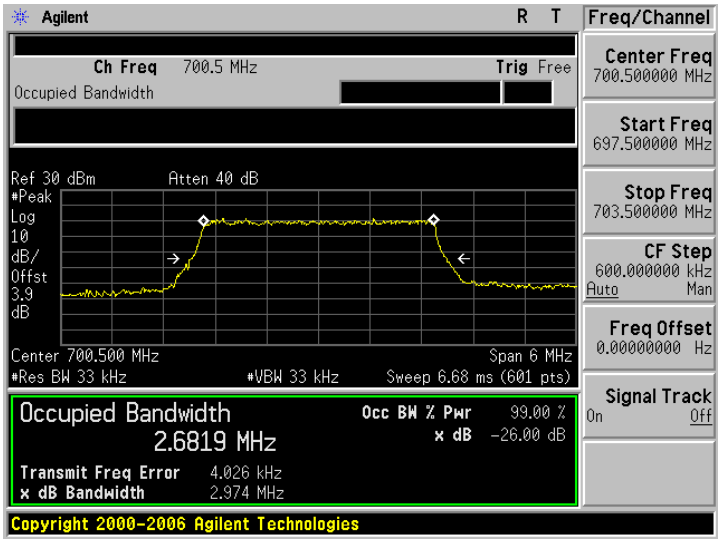
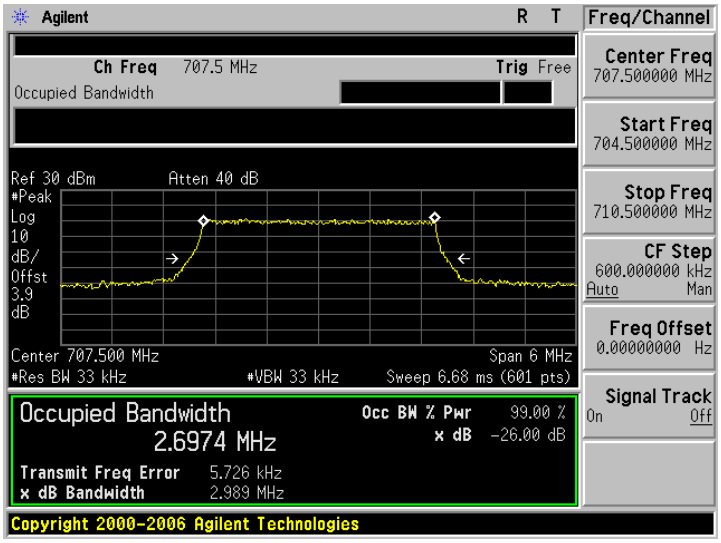
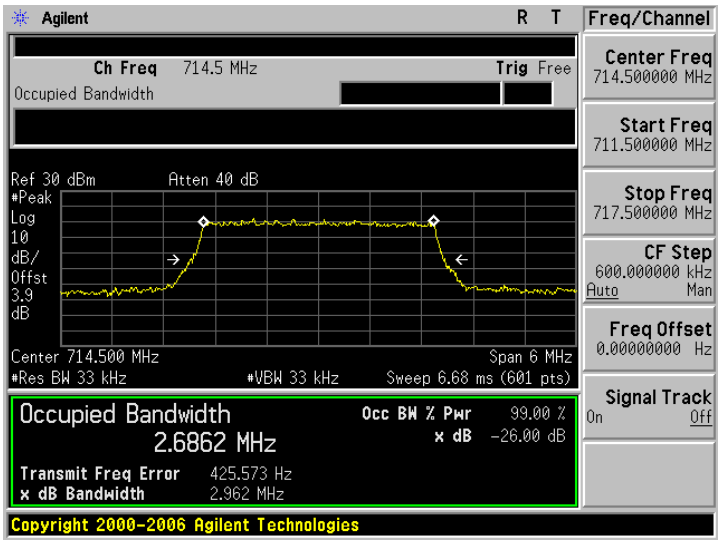
LTE Band 12 (Channel Bandwidth: 1.4 MHz) _ QPSK	
699.7 MHz	
707.5 MHz	
715.3 MHz	

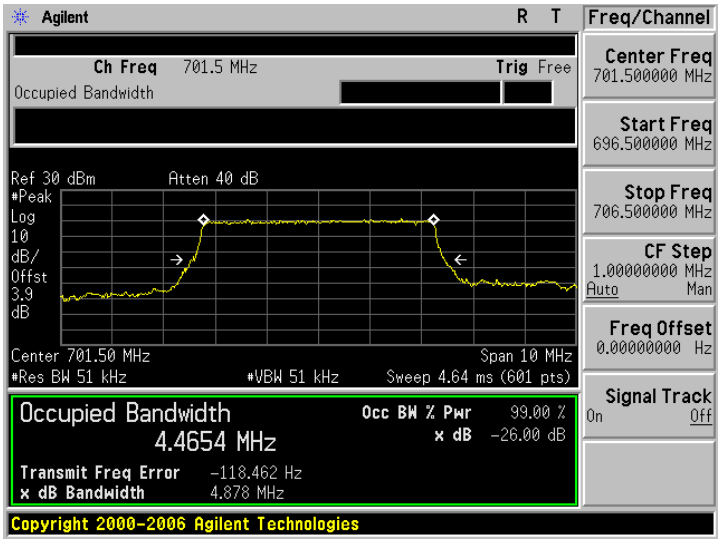
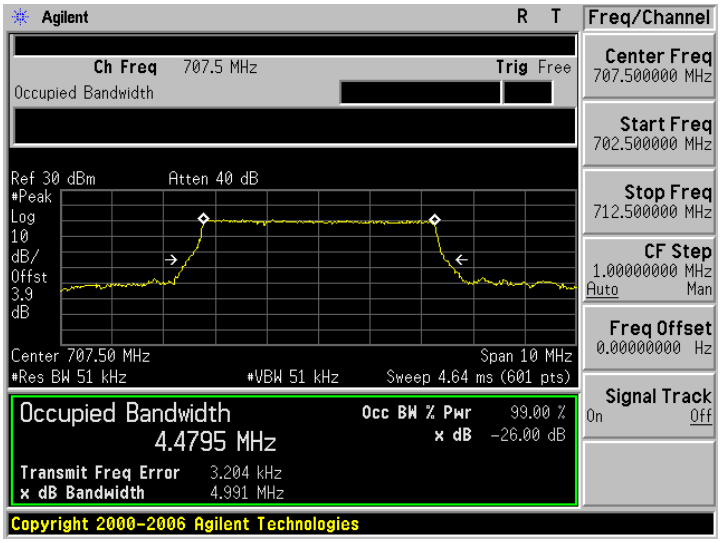
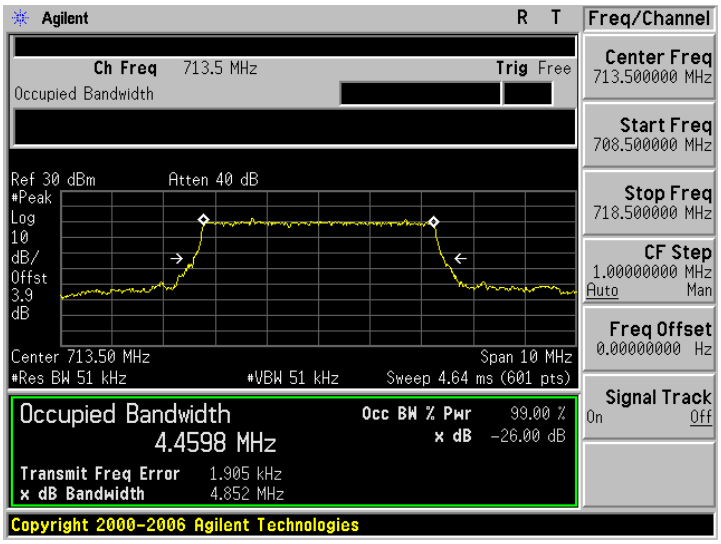
LTE Band 12 (Channel Bandwidth: 3 MHz) _ QPSK	
700.5 MHz	
707.5 MHz	
714.5 MHz	

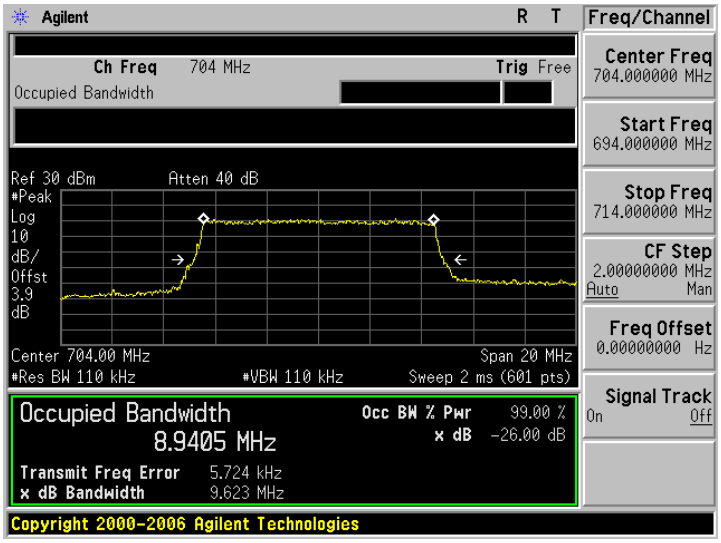
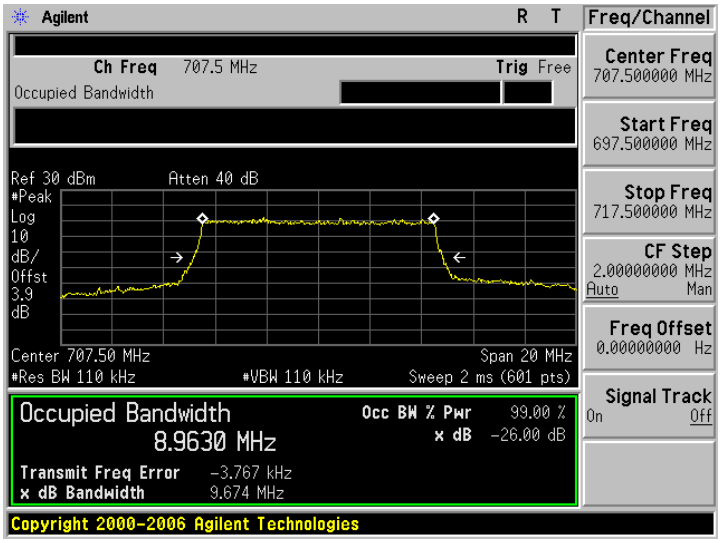
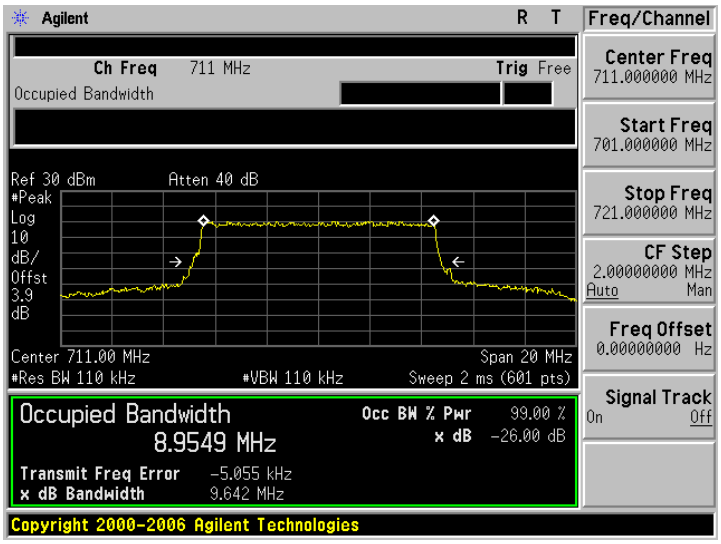
LTE Band 12 (Channel Bandwidth: 5 MHz) _ QPSK	
701.5 MHz	
707.5 MHz	
713.5 MHz	

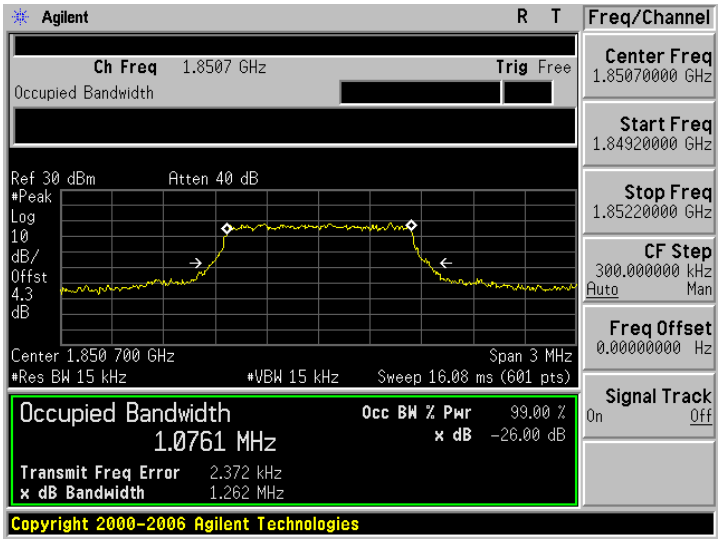
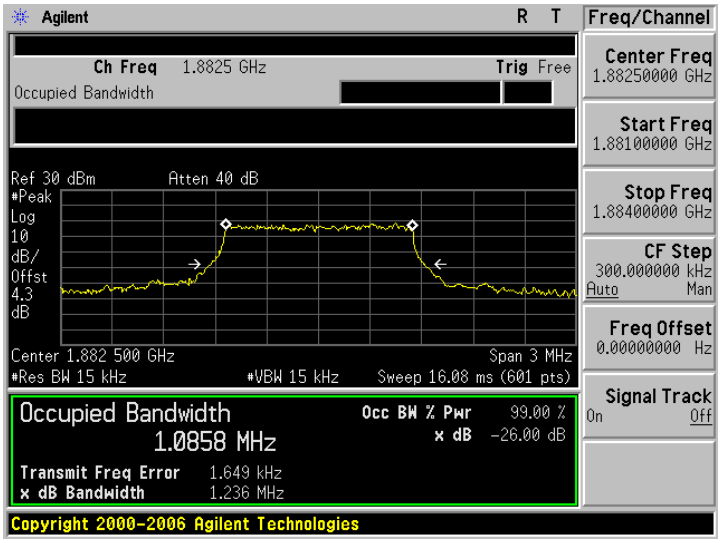
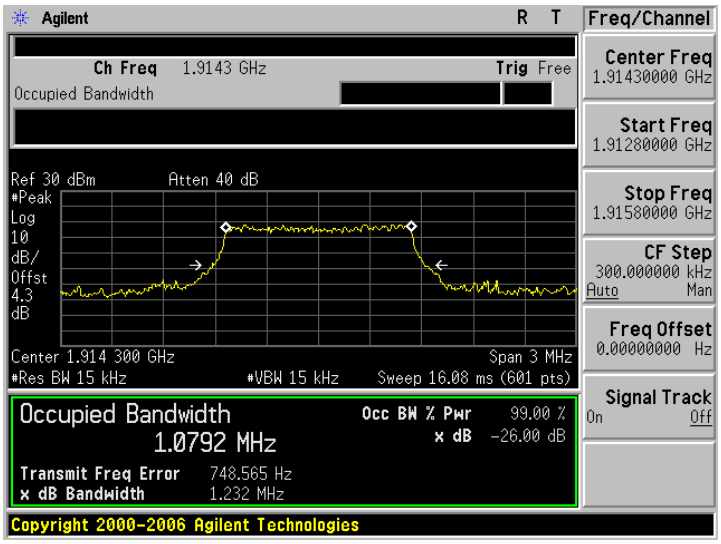
LTE Band 12 (Channel Bandwidth: 10 MHz) _ QPSK	
704.0 MHz	
707.5 MHz	
711.0 MHz	

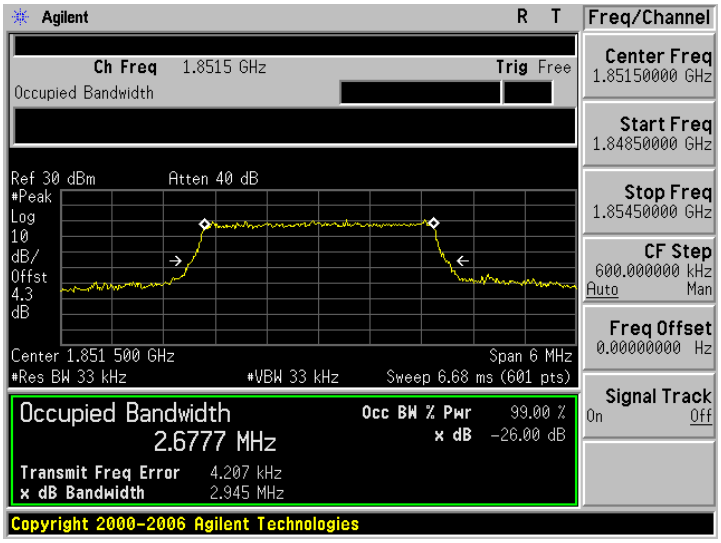
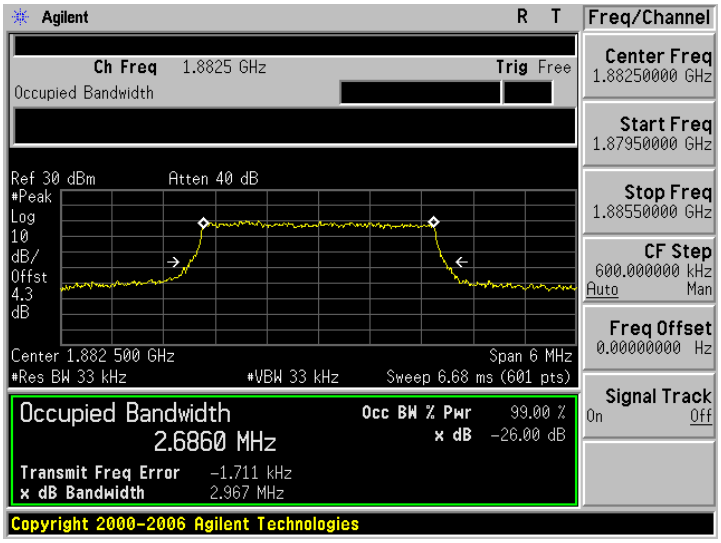
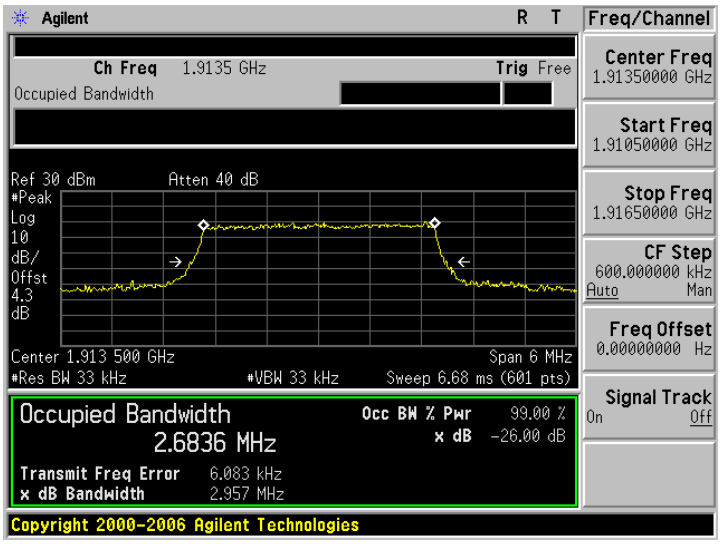
LTE Band 12 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
669.7 MHz	
707.5 MHz	
715.3 MHz	

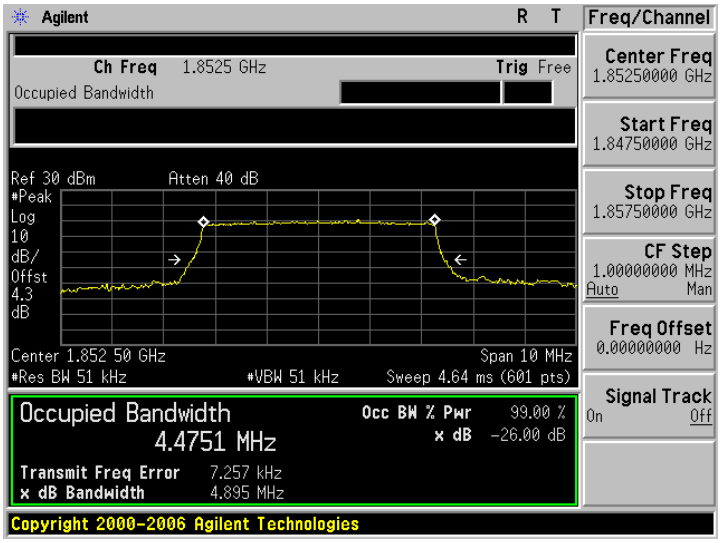
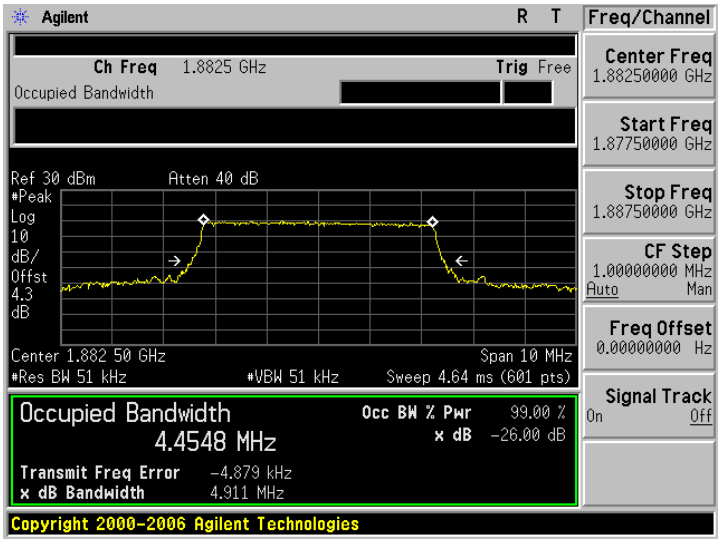
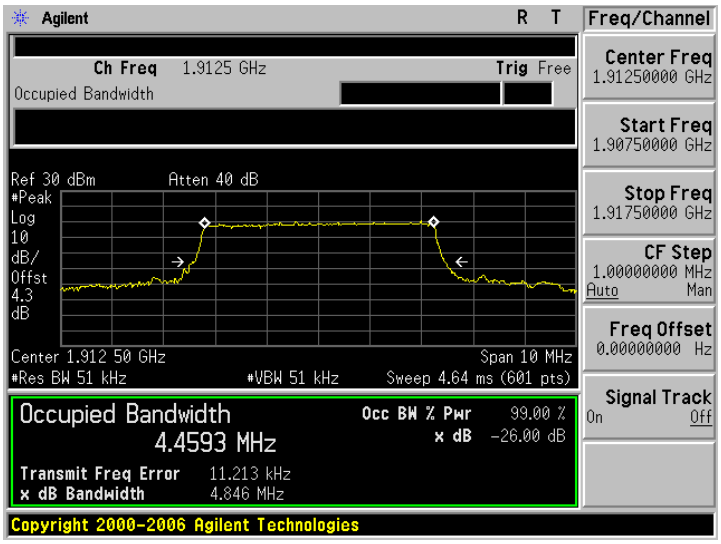
LTE Band 12 (Channel Bandwidth: 3 MHz) _ 16QAM	
700.5 MHz	
707.5 MHz	
714.5 MHz	

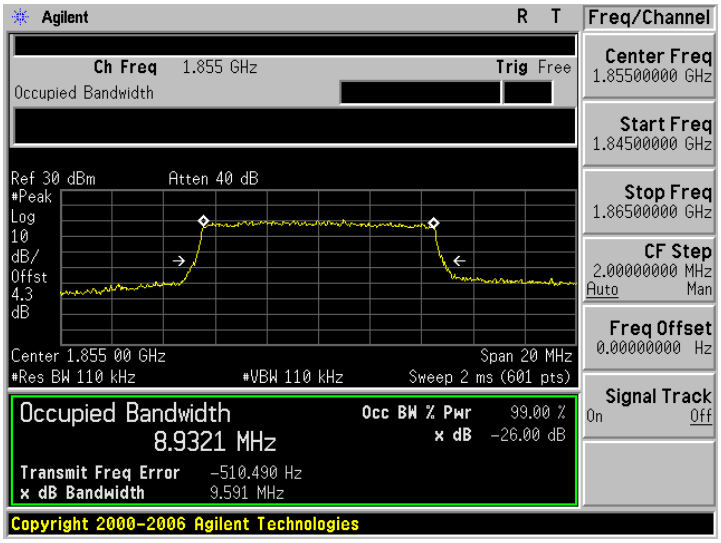
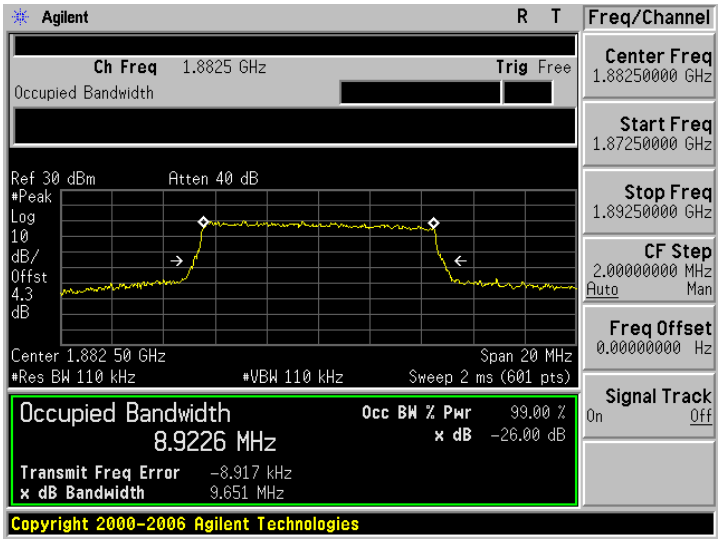
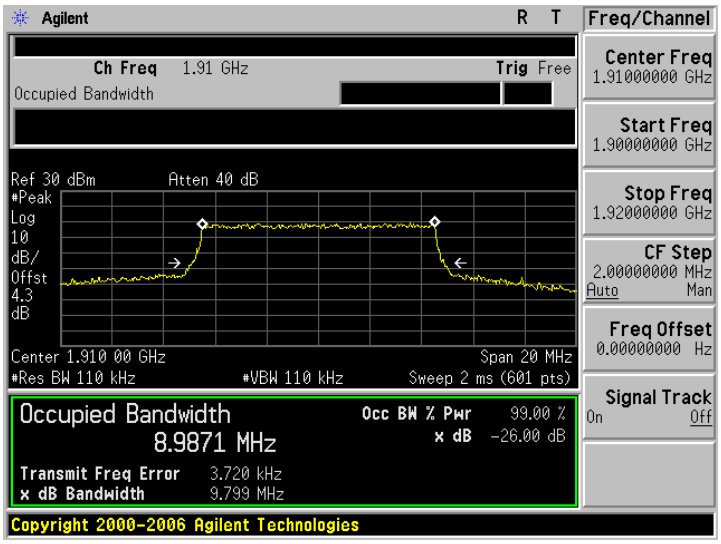
LTE Band 12 (Channel Bandwidth: 5 MHz) _ 16QAM	
701.5 MHz	
707.5 MHz	
713.5 MHz	

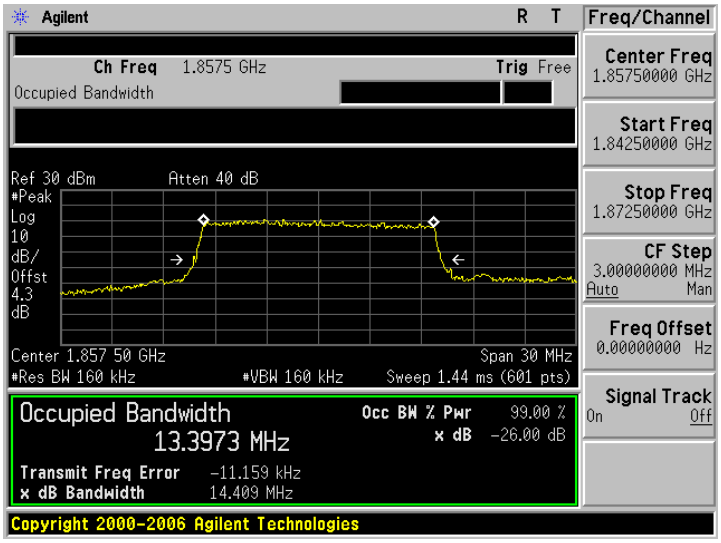
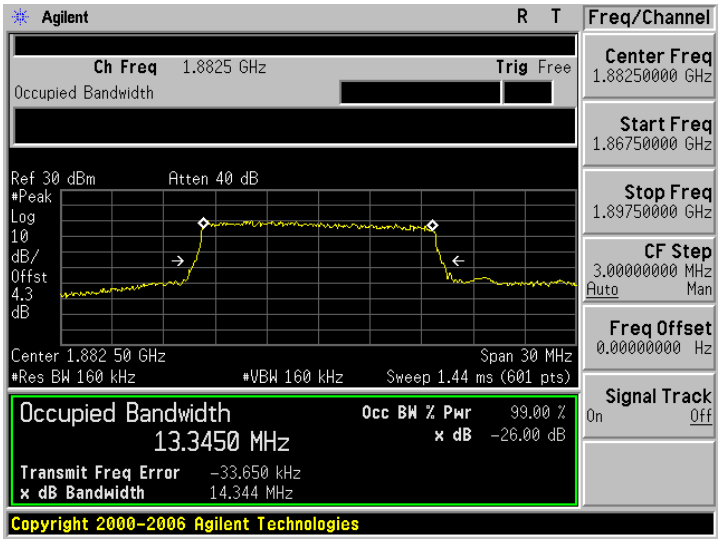
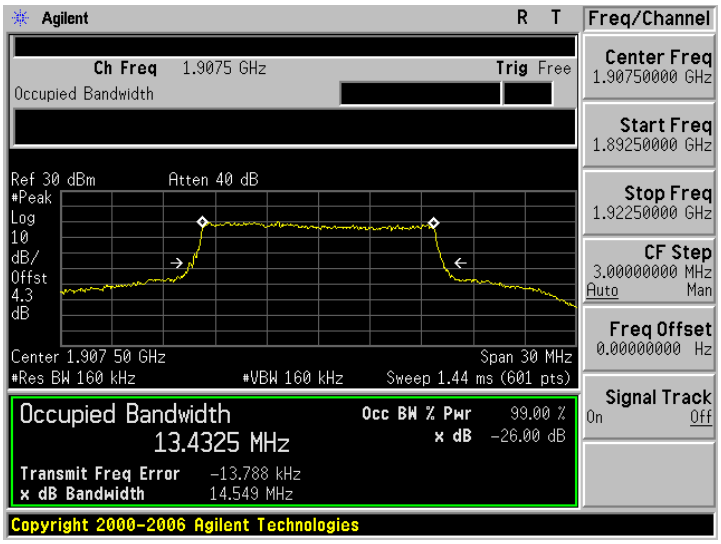
LTE Band 12 (Channel Bandwidth: 10 MHz) _ 16QAM	
704.0 MHz	
707.5 MHz	
711.0 MHz	

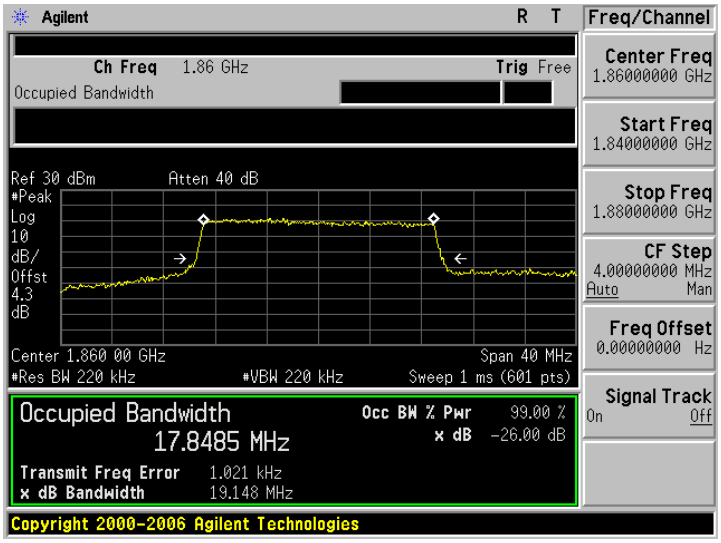
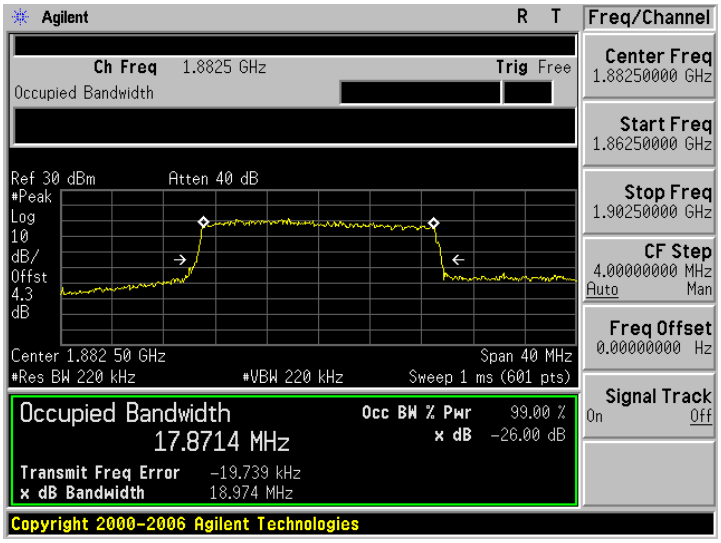
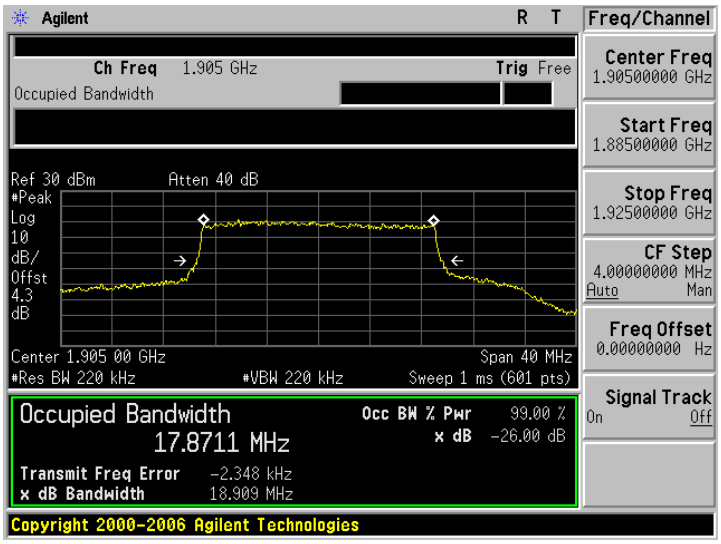
LTE Band 25 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1850.7 MHz	
1882.5 MHz	
1914.3 MHz	

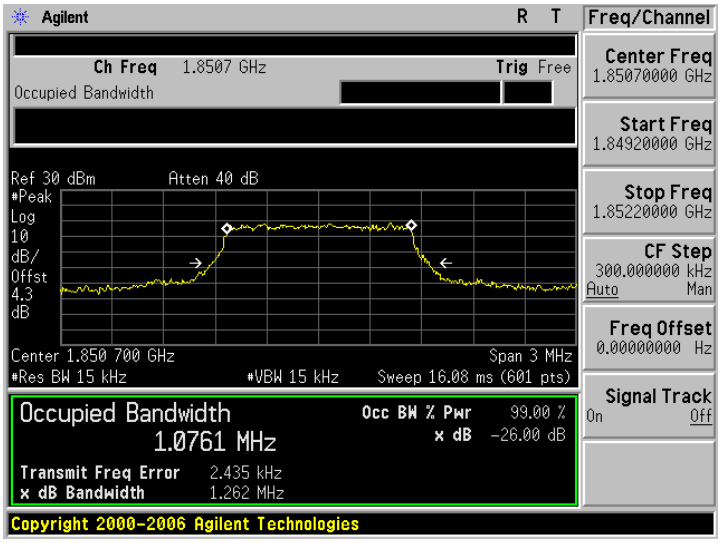
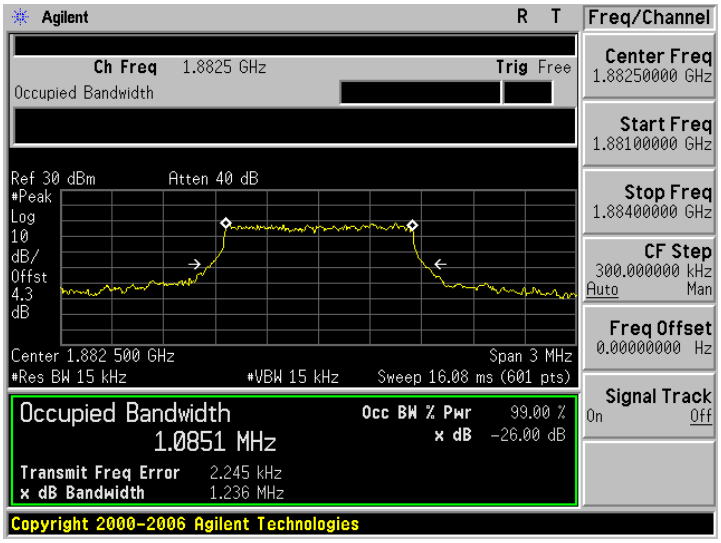
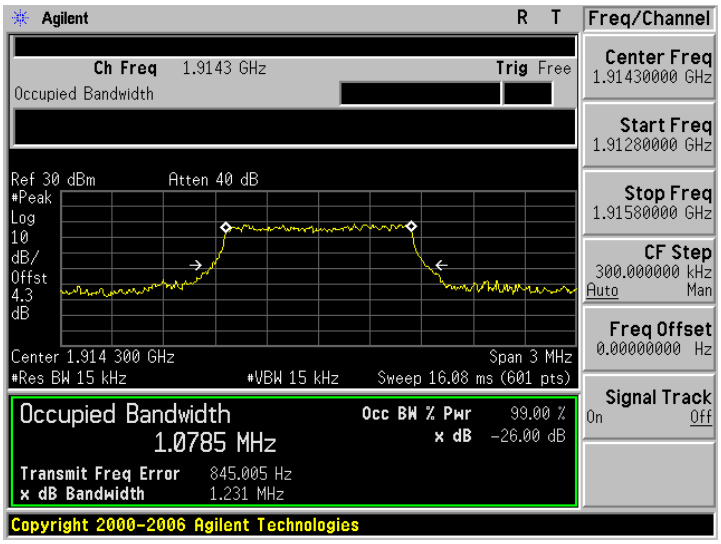
LTE Band 25 (Channel Bandwidth: 3 MHz) _ QPSK	
1852.5 MHz	
1882.5 MHz	
1912.5 MHz	

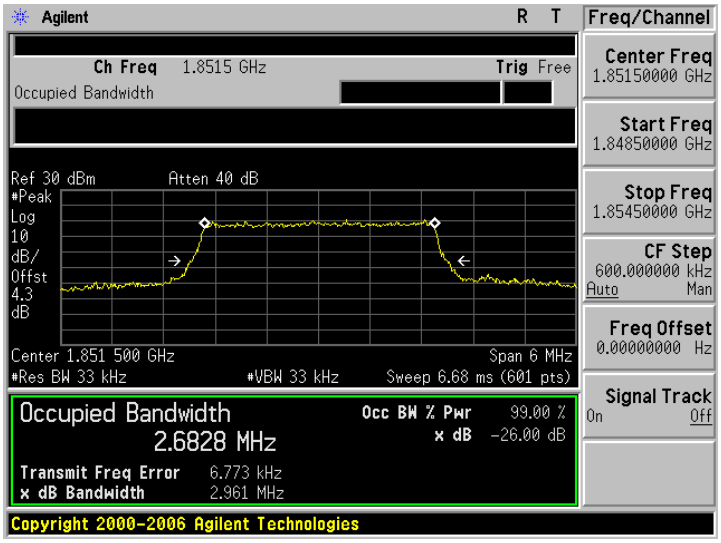
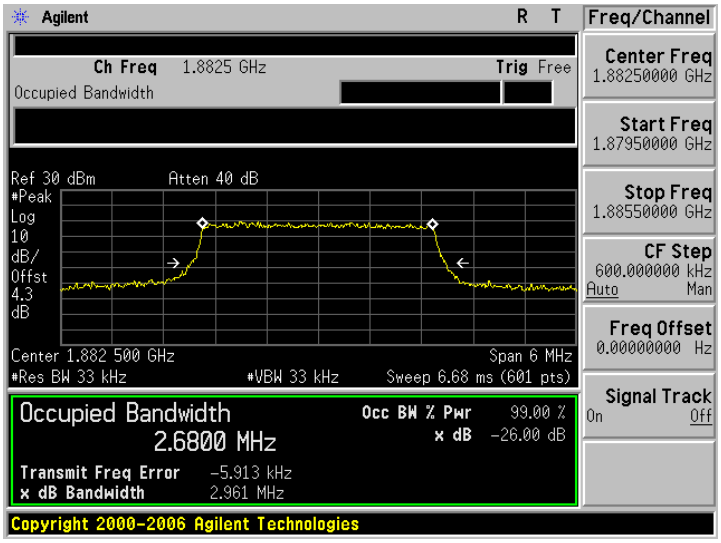
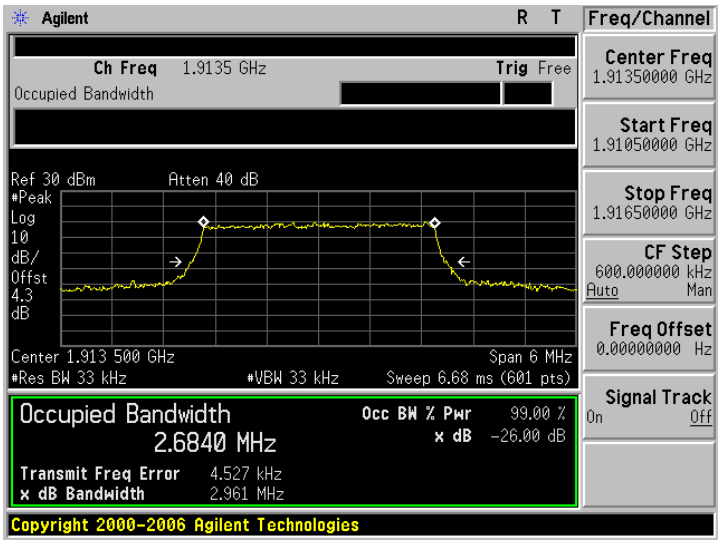
LTE Band 25 (Channel Bandwidth: 5 MHz) _ QPSK	
1851.5 MHz	
1882.5 MHz	
1913.5 MHz	

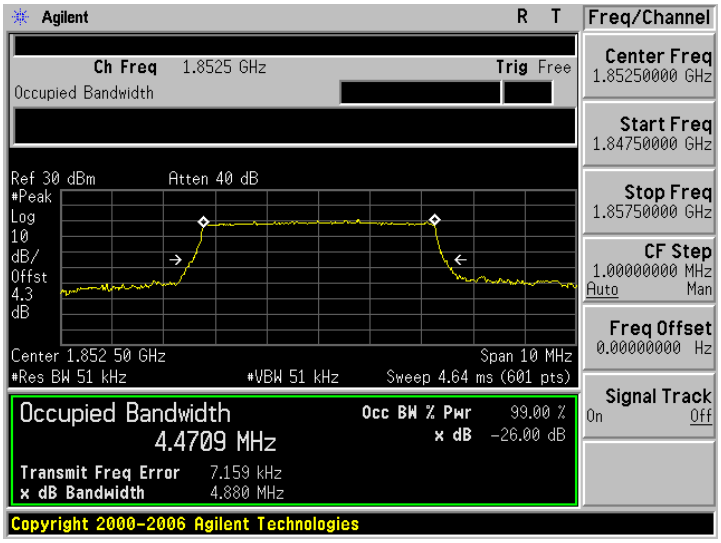
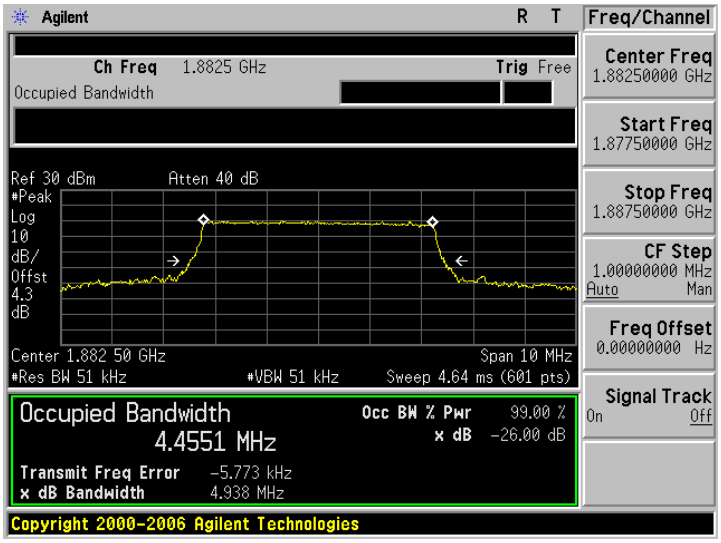
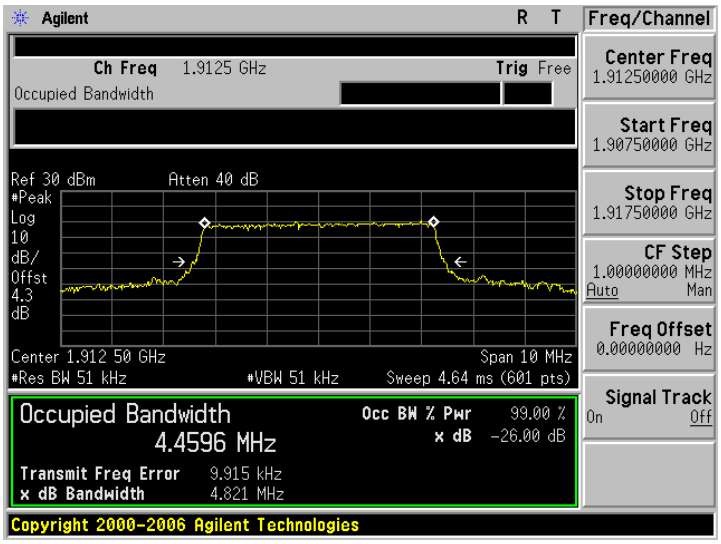
LTE Band 25 (Channel Bandwidth: 10 MHz) _ QPSK	
1855.0 MHz	
1882.5 MHz	
1910.0 MHz	

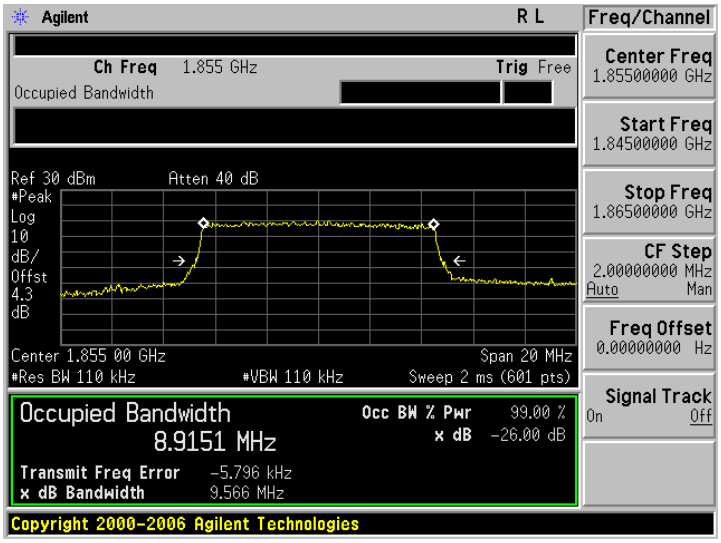
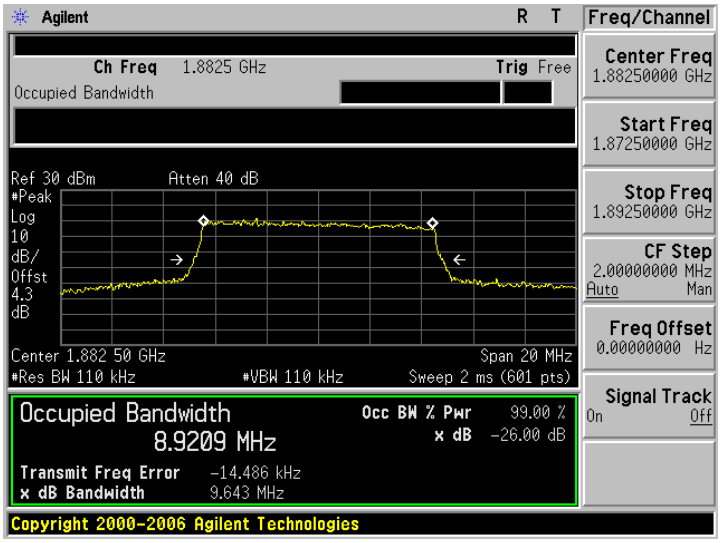
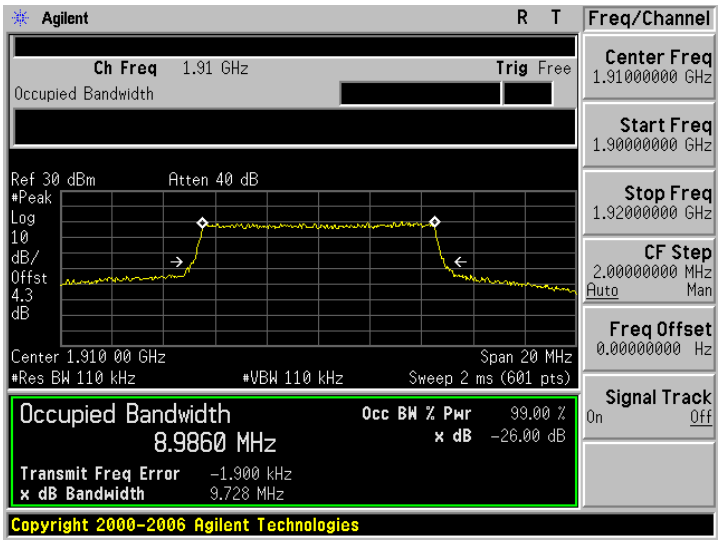
LTE Band 25 (Channel Bandwidth: 15 MHz) _ QPSK	
1857.5 MHz	
1882.5 MHz	
1907.5 MHz	

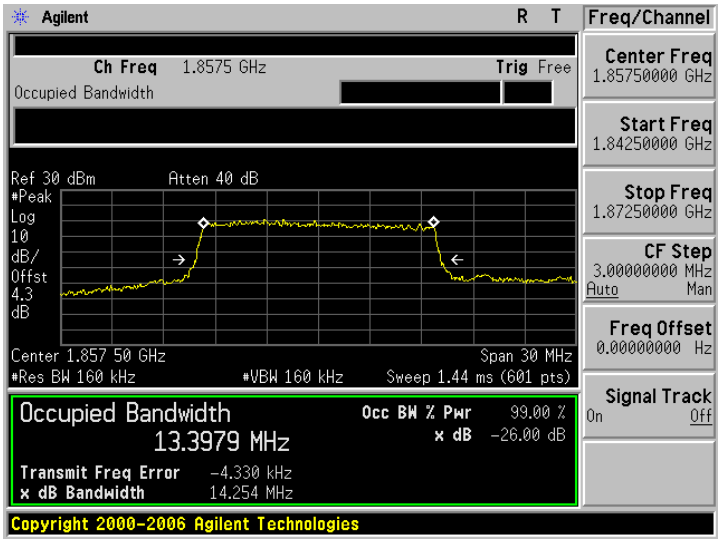
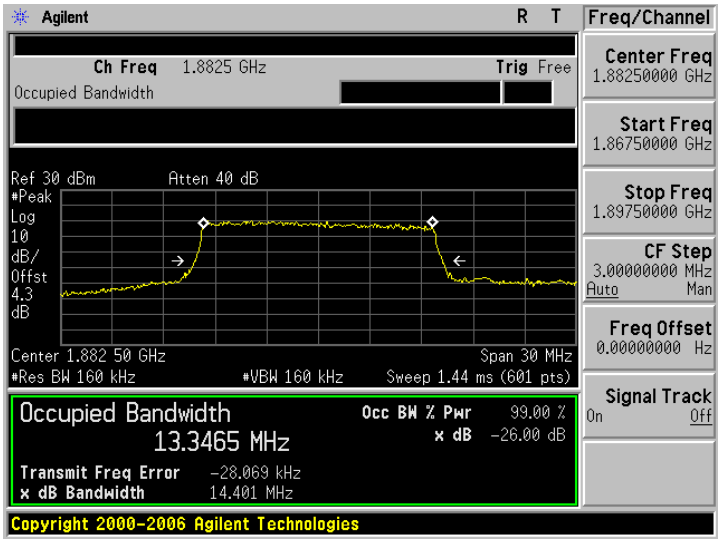
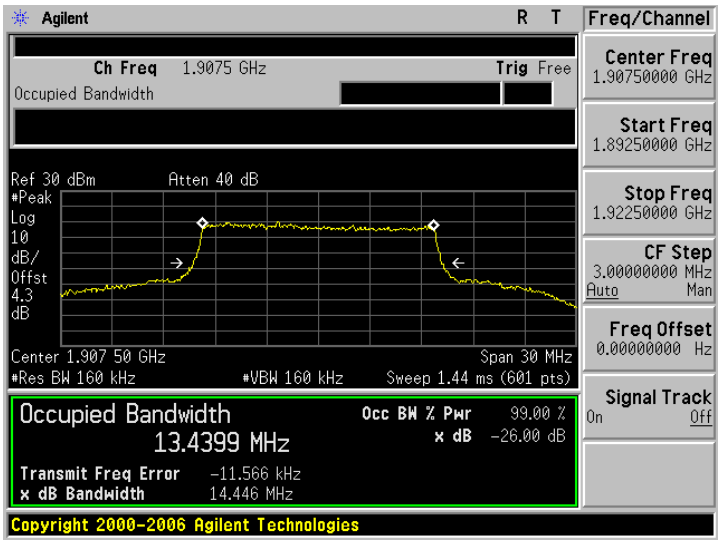
LTE Band 25 (Channel Bandwidth: 20 MHz) _ QPSK	
1860.0 MHz	
1882.5 MHz	
1905.0 MHz	

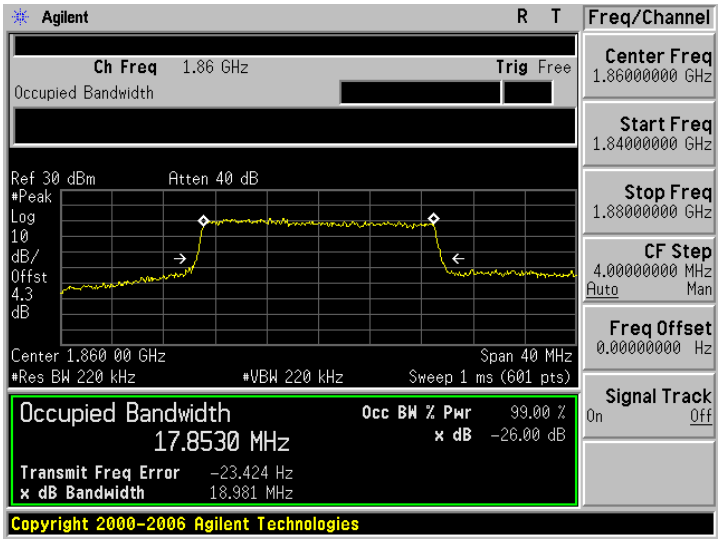
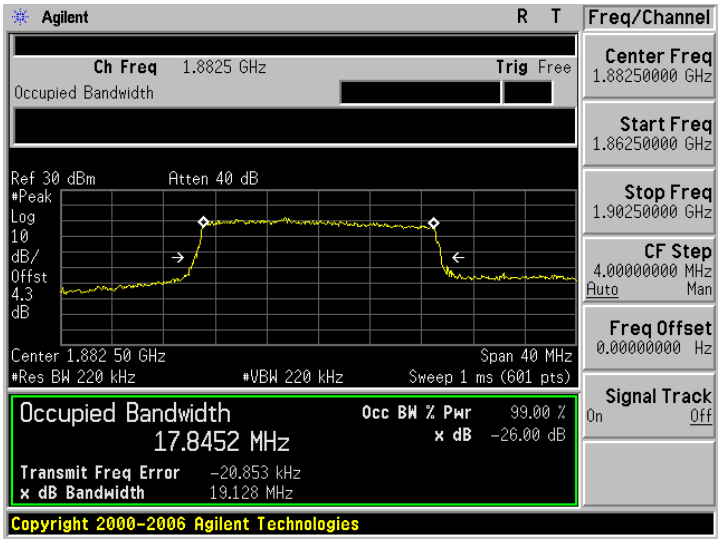
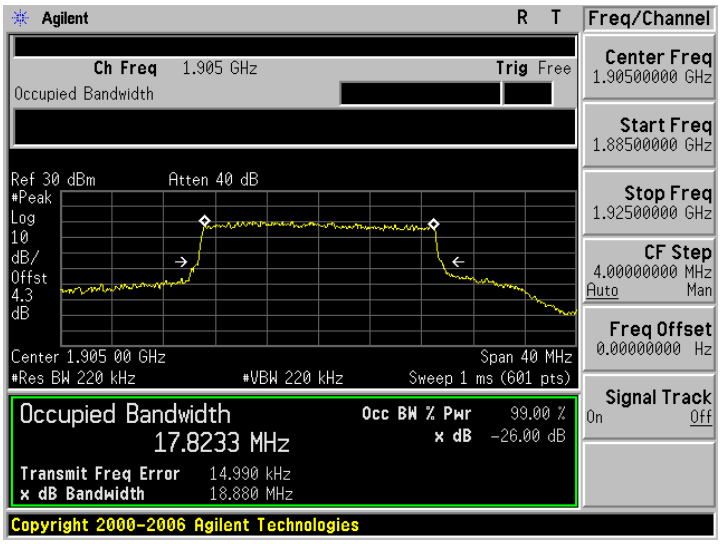
LTE Band 25 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1851.5 MHz	
1882.5 MHz	
1913.5 MHz	

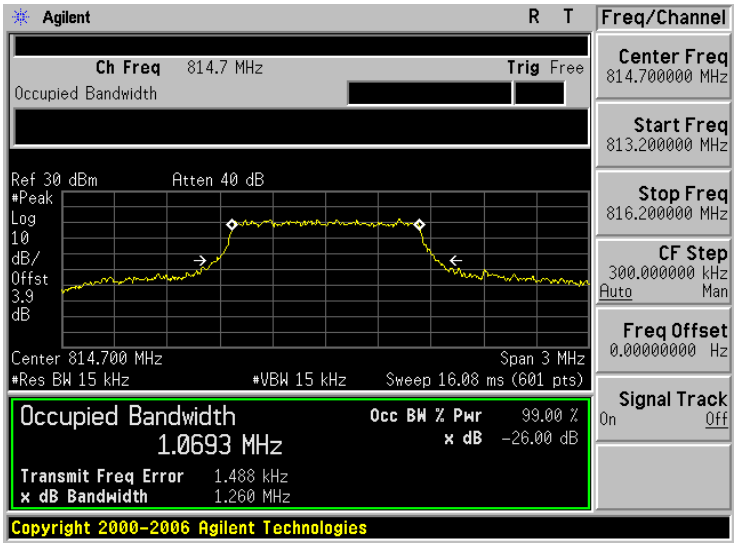
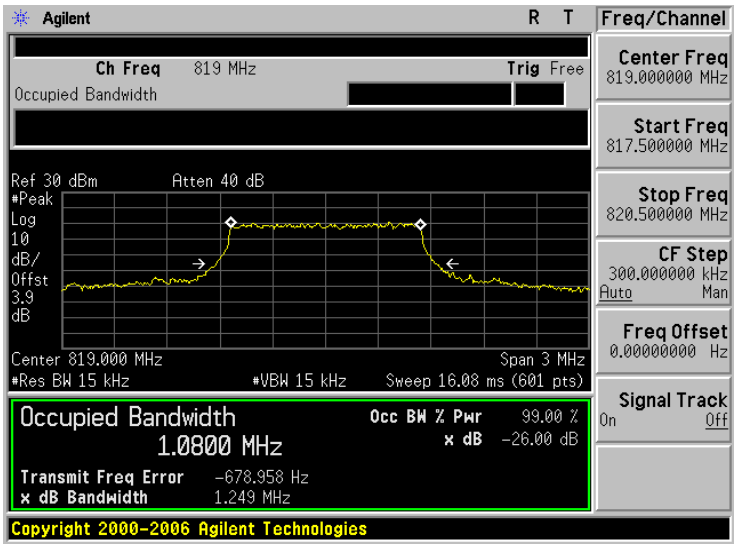
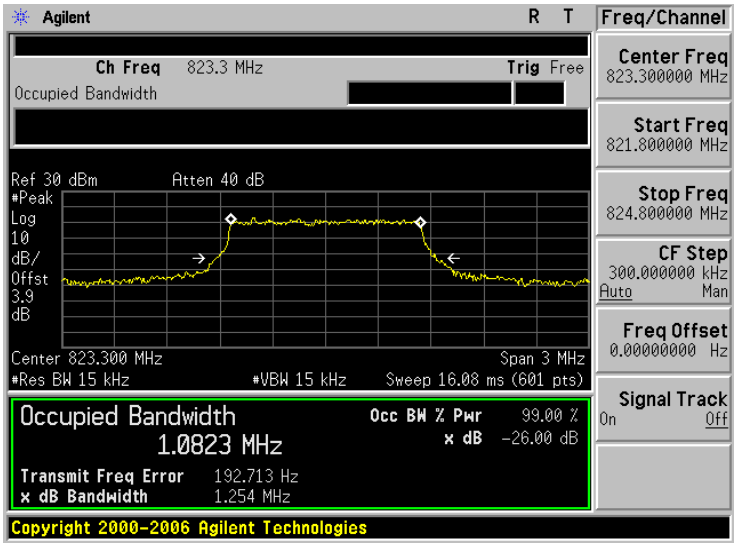
LTE Band 25 (Channel Bandwidth: 3 MHz) _ 16QAM	
1850.7 MHz	
1882.5 MHz	
1914.3 MHz	

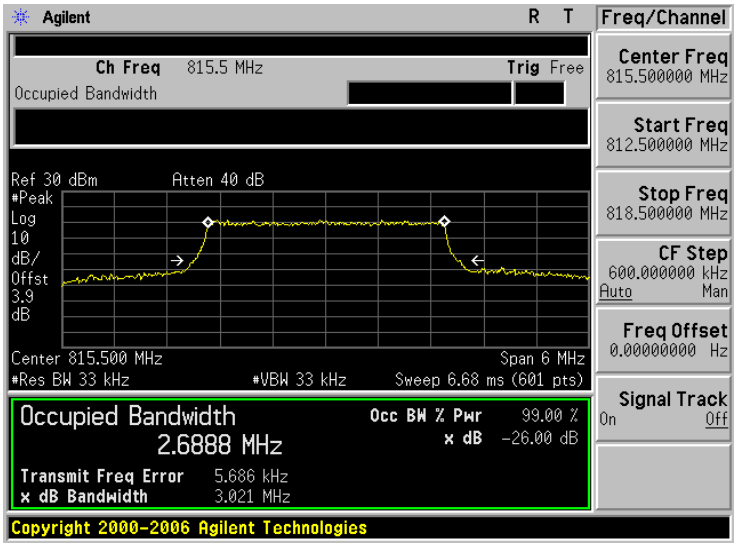
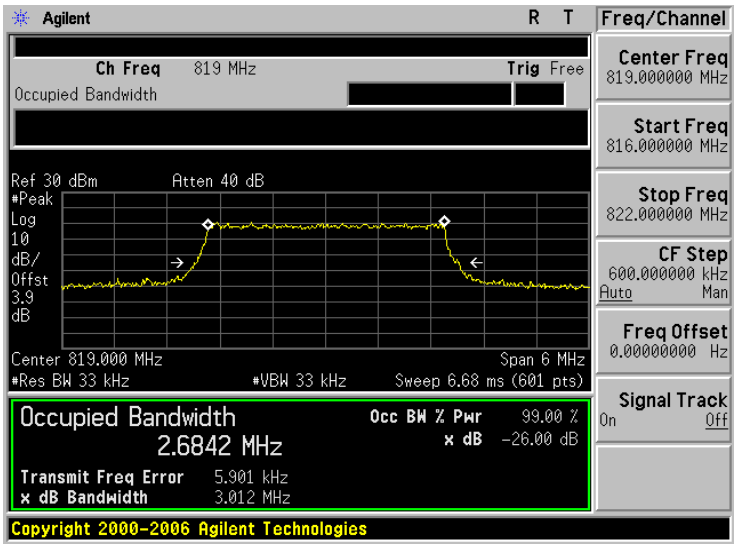
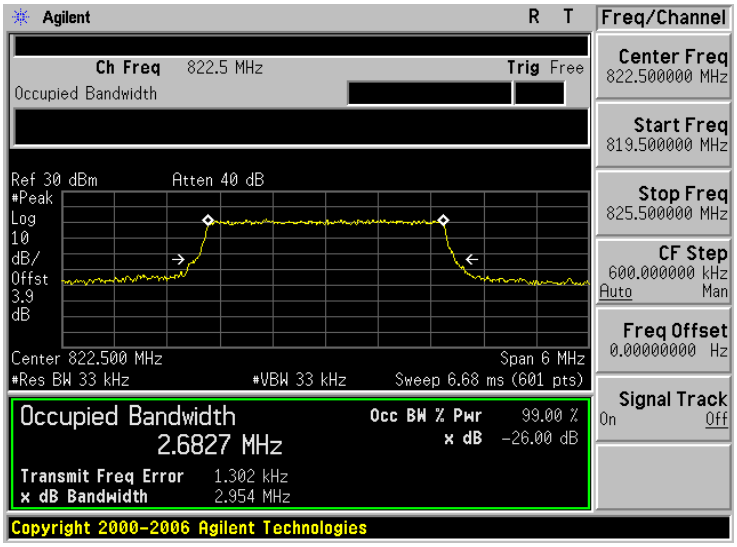
LTE Band 25 (Channel Bandwidth: 5 MHz) _ 16QAM	
1852.5 MHz	
1882.5 MHz	
1912.5 MHz	

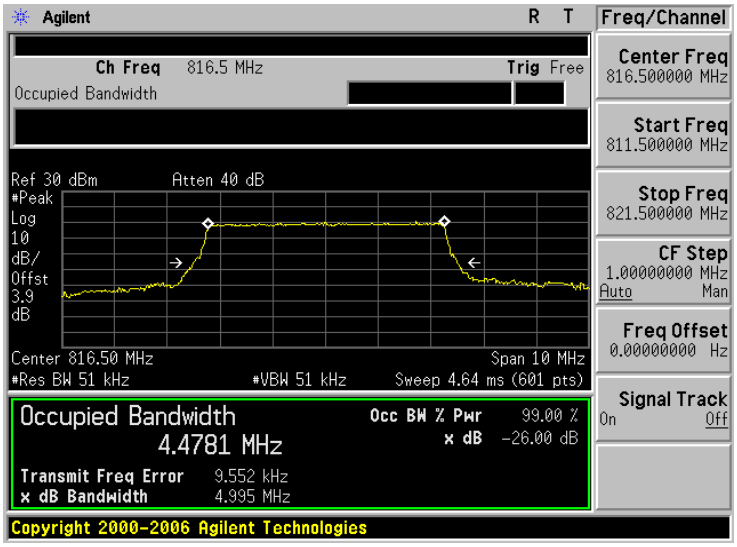
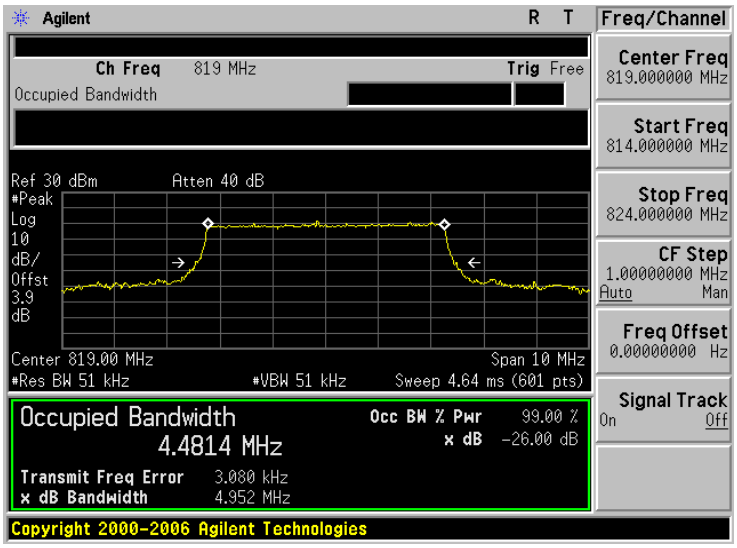
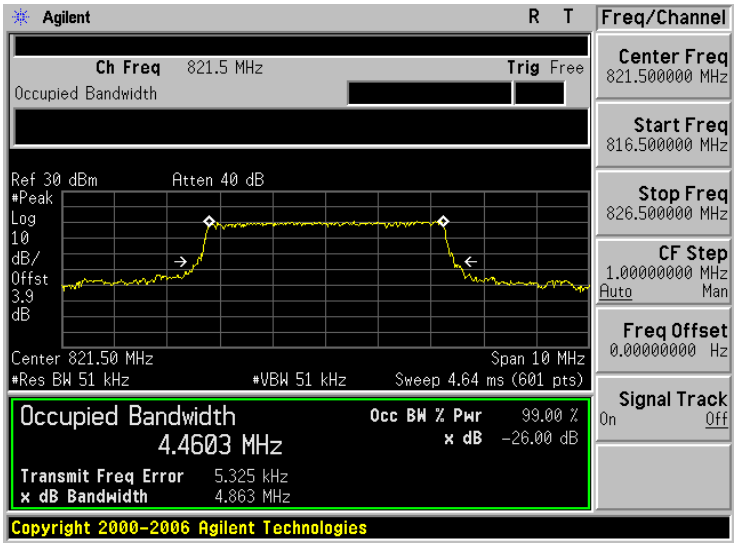
LTE Band 25 (Channel Bandwidth: 10 MHz) _ 16QAM	
1855.0 MHz	
1882.5 MHz	
1910.0 MHz	

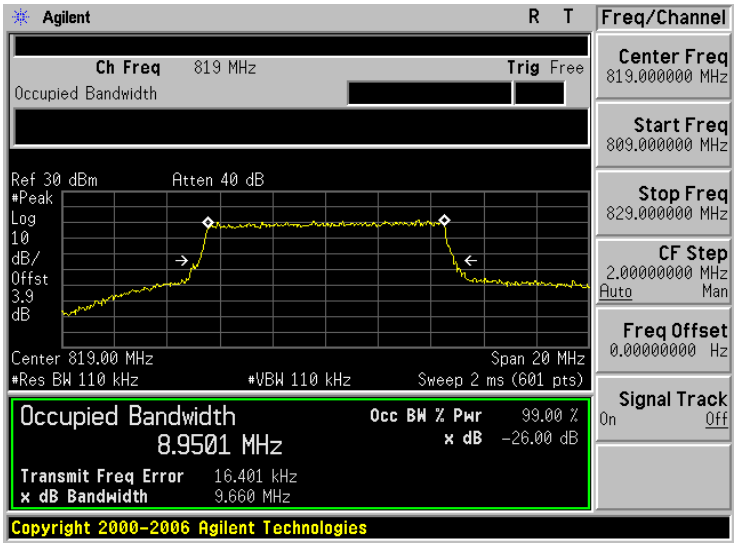
LTE Band 25 (Channel Bandwidth: 15 MHz) _ 16QAM	
1857.5 MHz	
1882.5 MHz	
1907.5 MHz	

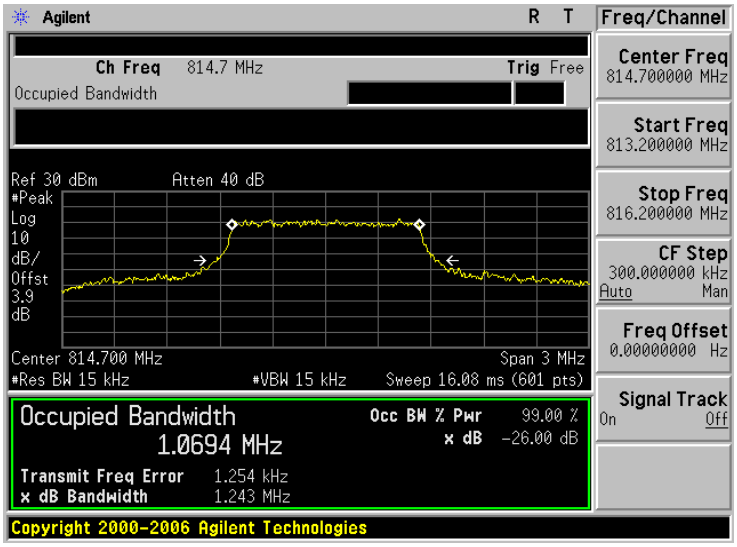
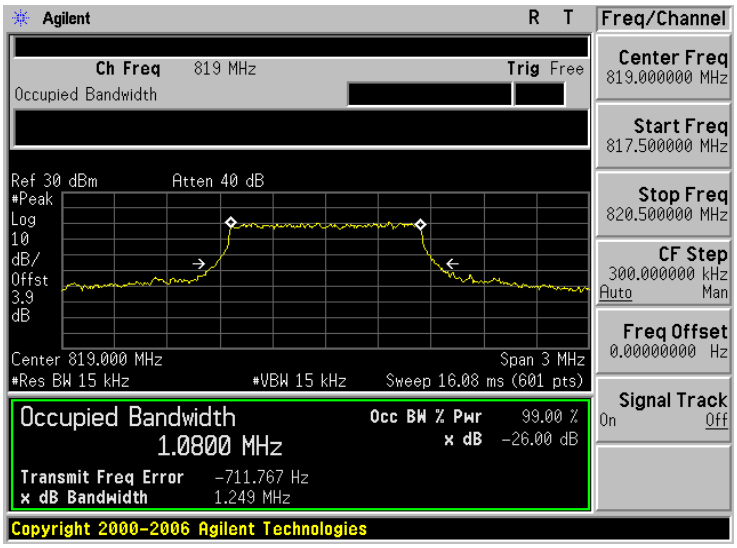
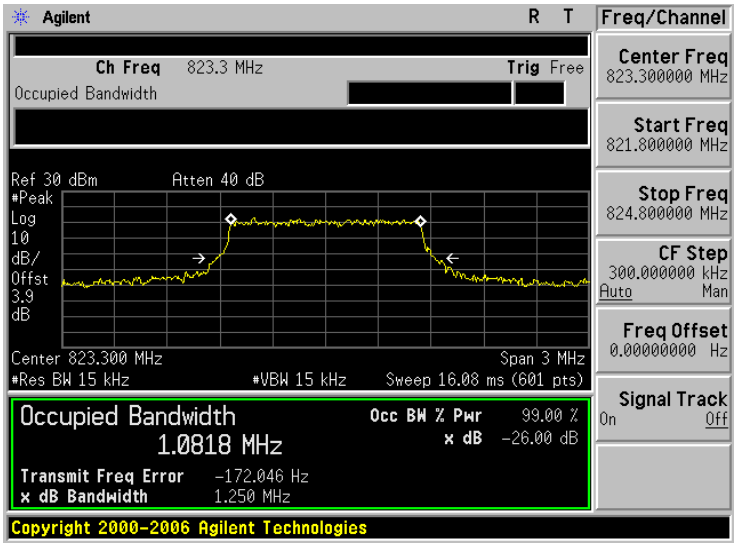
LTE Band 25 (Channel Bandwidth: 20 MHz) _ 16QAM	
1860.0 MHz	
1882.5 MHz	
1905.0 MHz	

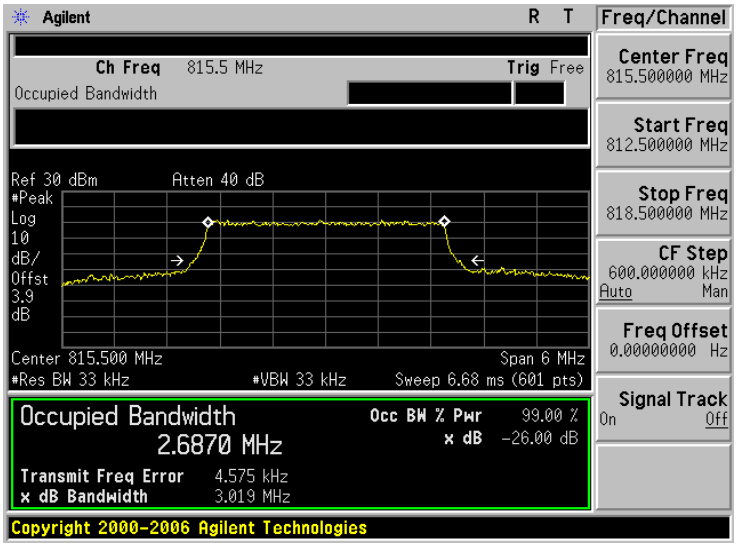
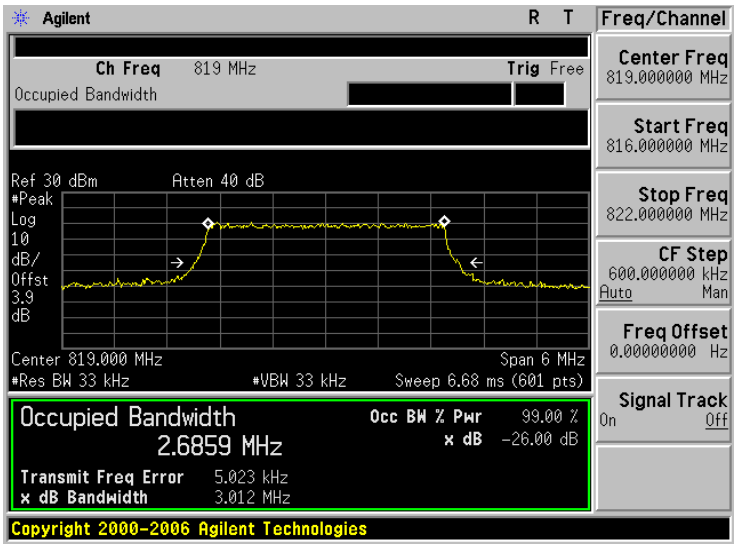
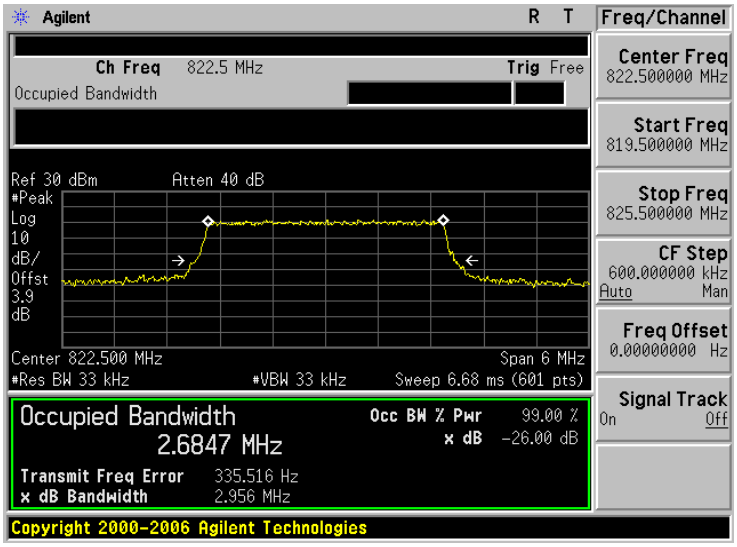
LTE Band 26_Part 90S (Channel Bandwidth: 1.4 MHz) _ QPSK	
814.7 MHz	
819.0 MHz	
823.3 MHz	

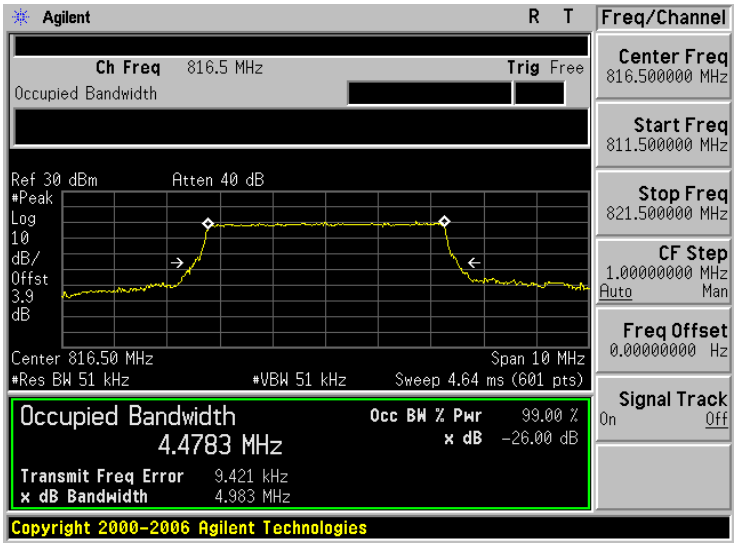
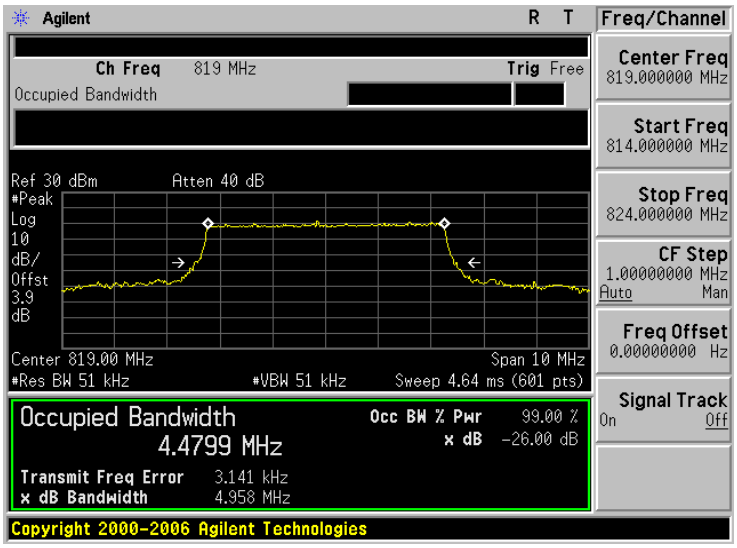
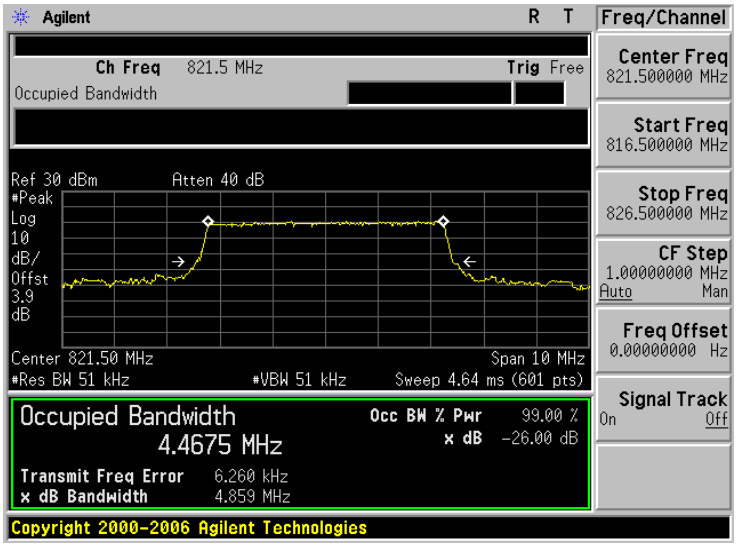
LTE Band 26_Part 90S (Channel Bandwidth: 3 MHz) _ QPSK	
815.5 MHz	
819.0 MHz	
822.5 MHz	

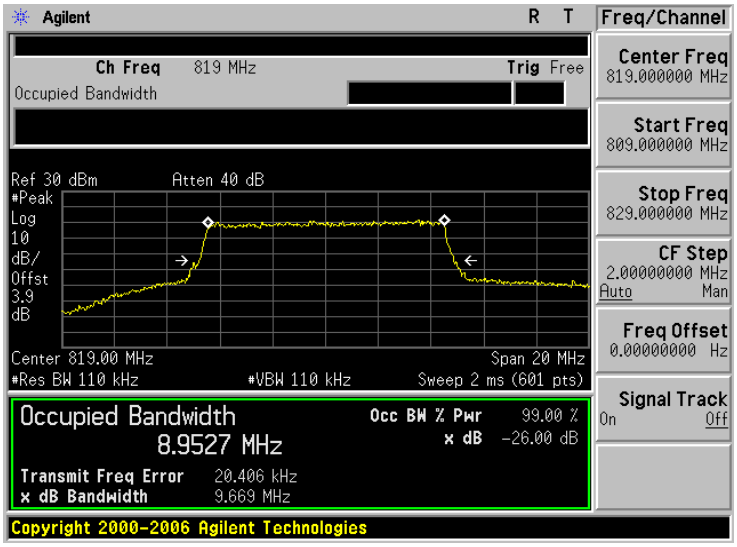
LTE Band 26_Part 90S (Channel Bandwidth: 5 MHz) _ QPSK	
816.5 MHz	
819.0 MHz	
821.5 MHz	

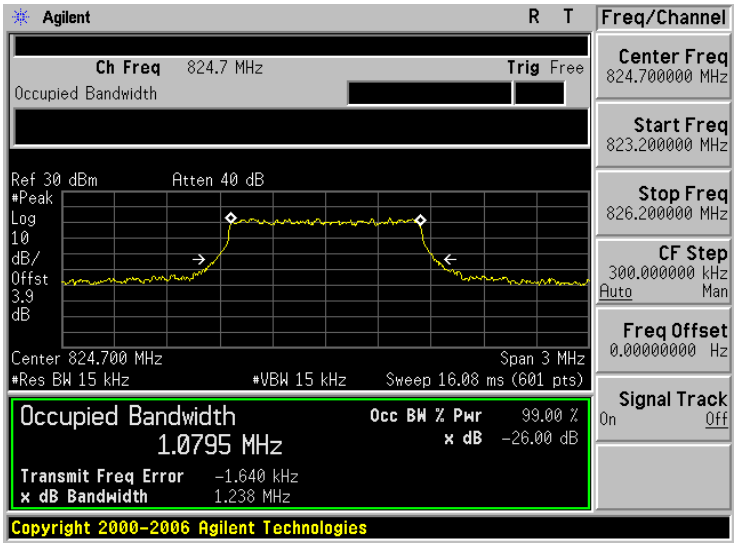
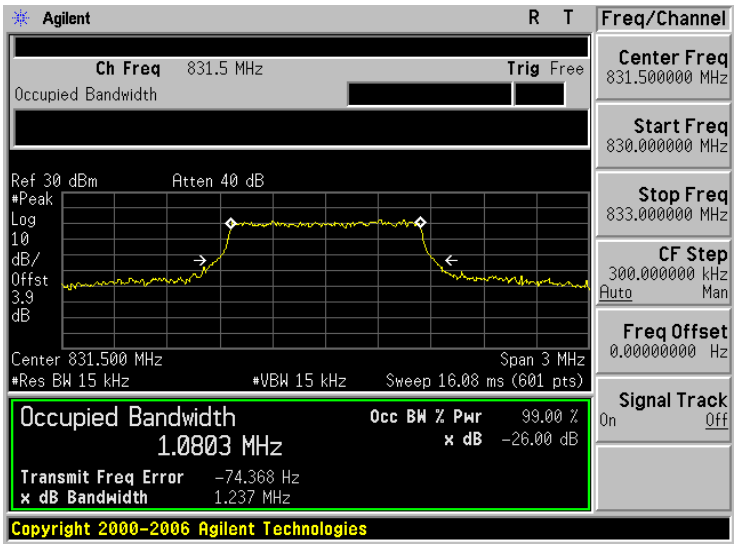
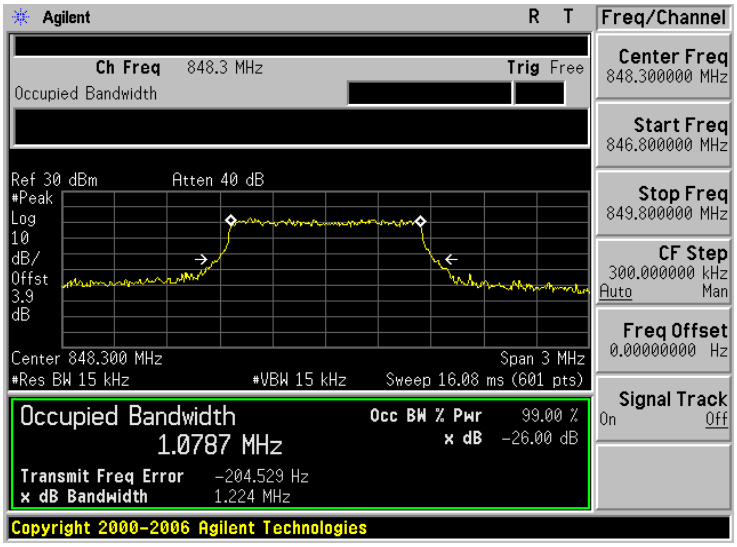
LTE Band 26_Part 90S (Channel Bandwidth: 10 MHz) _ QPSK	
819.0 MHz	

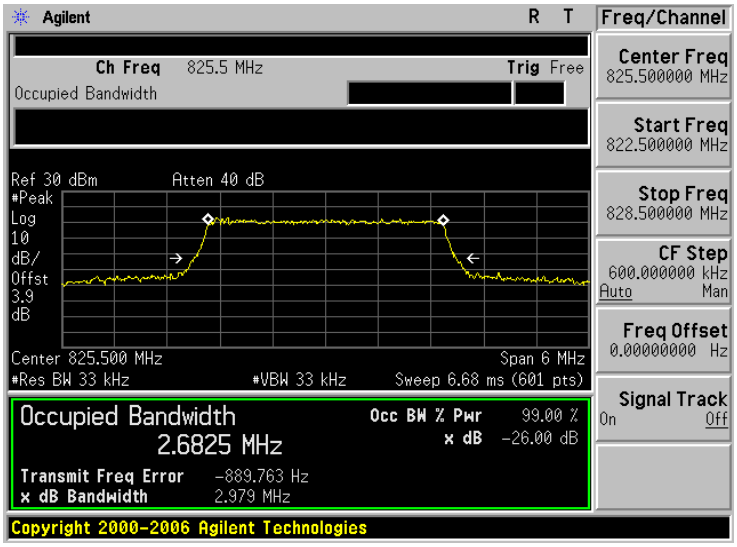
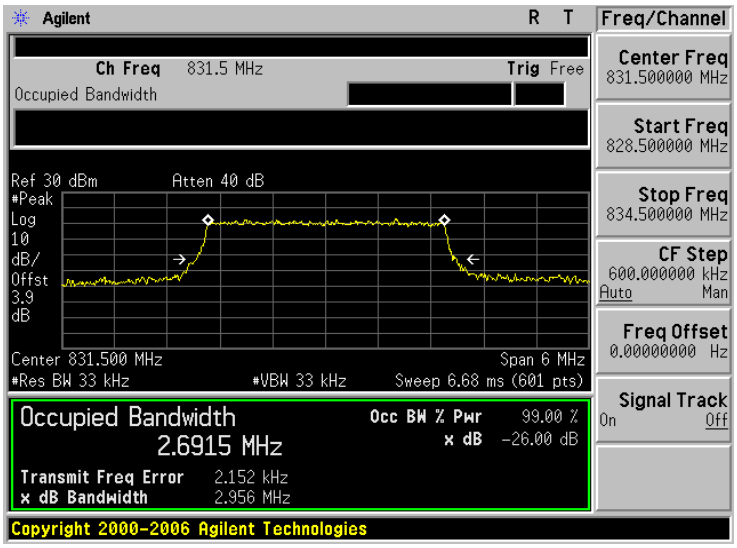
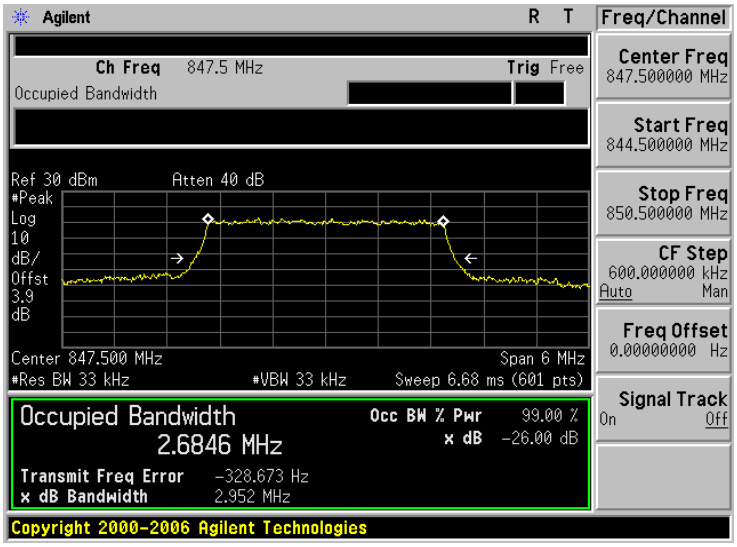
LTE Band 26_Part 90S (Channel Bandwidth: 1.4 MHz) _ 16QAM	
814.7 MHz	
819.0 MHz	
823.3 MHz	

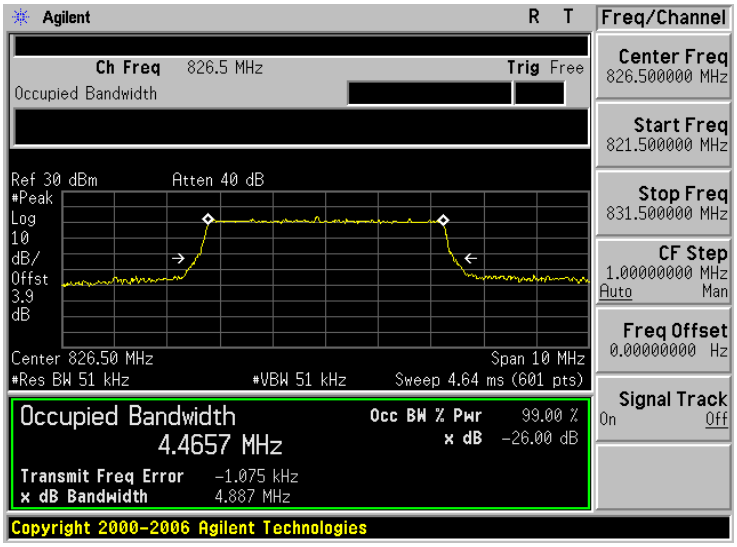
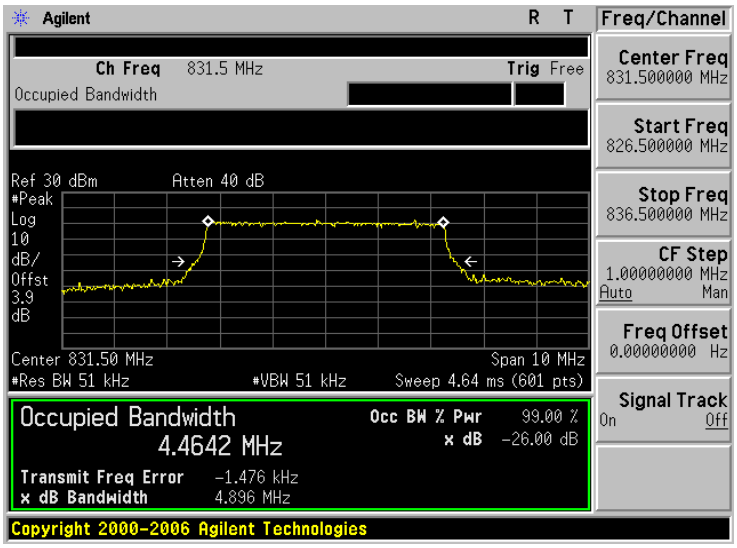
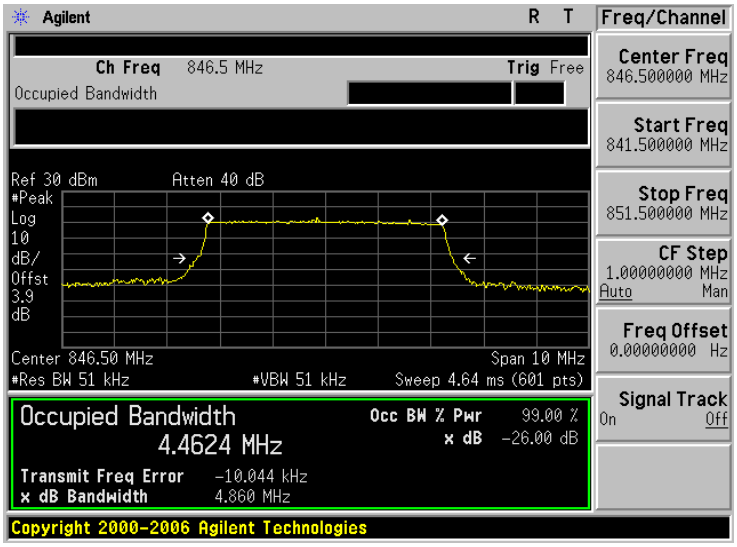
LTE Band 26_Part 90S (Channel Bandwidth: 3 MHz) _ 16QAM	
815.5 MHz	
819.0 MHz	
822.5 MHz	

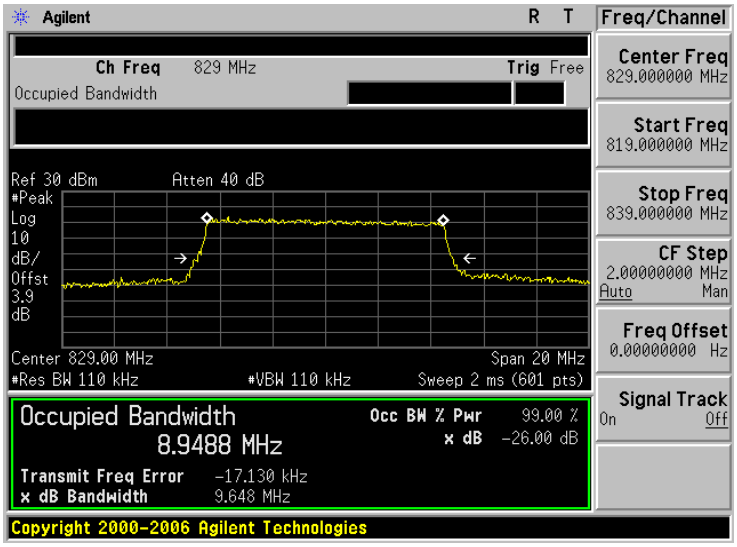
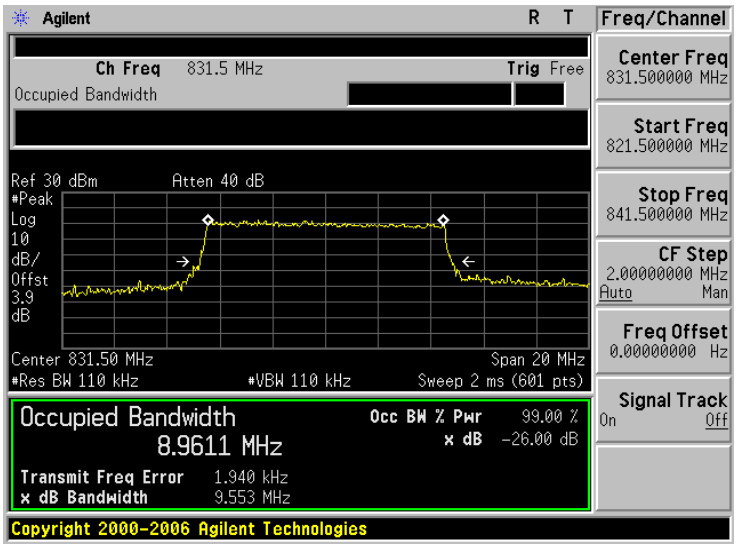
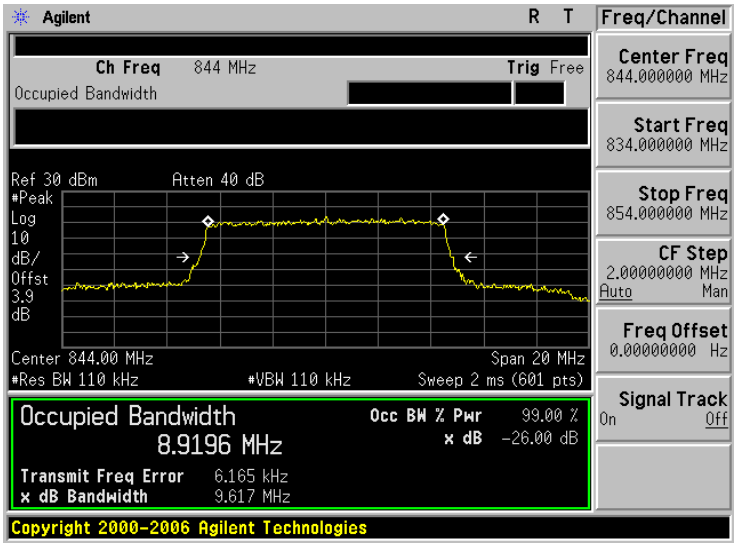
LTE Band 26_Part 90S (Channel Bandwidth: 5 MHz) _ 16QAM	
816.5 MHz	
819.0 MHz	
821.5 MHz	

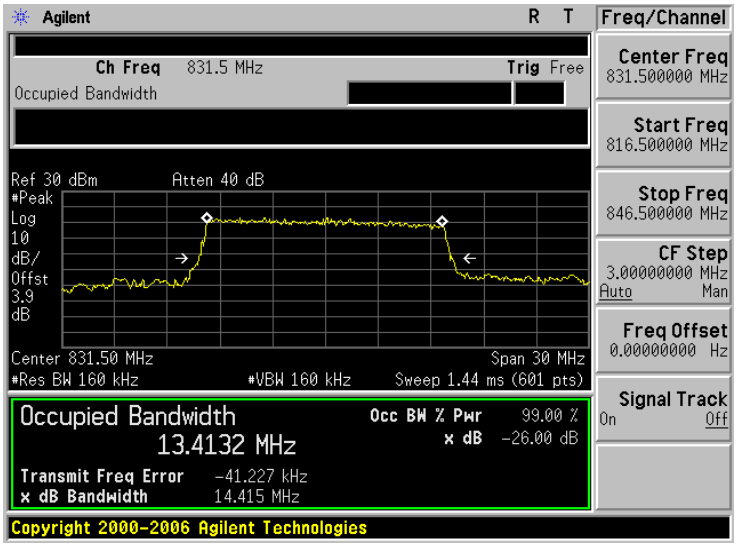
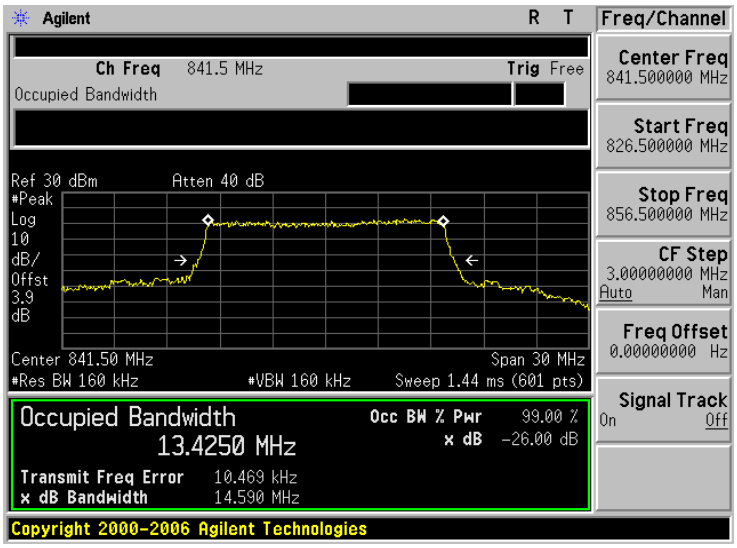
LTE Band 26_Part 90S (Channel Bandwidth: 10 MHz) _ 16QAM	
819.0 MHz	

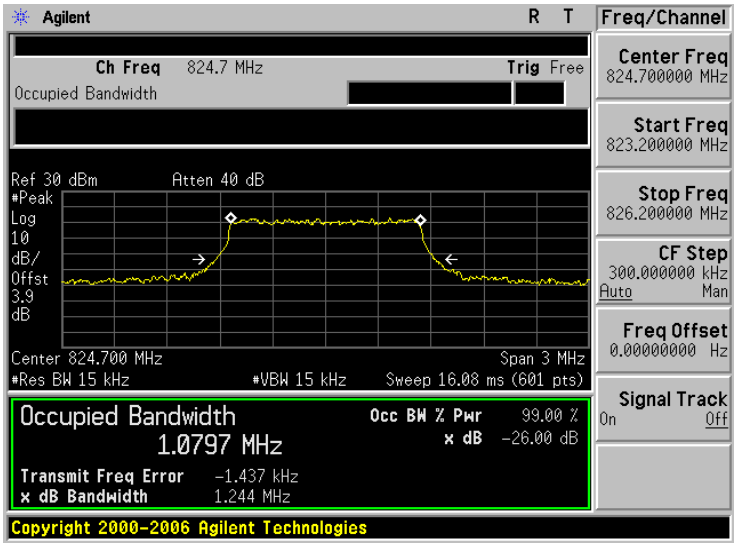
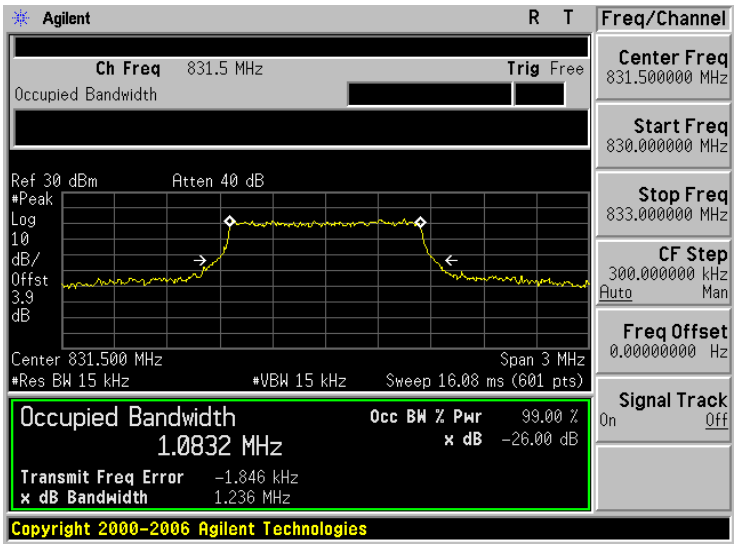
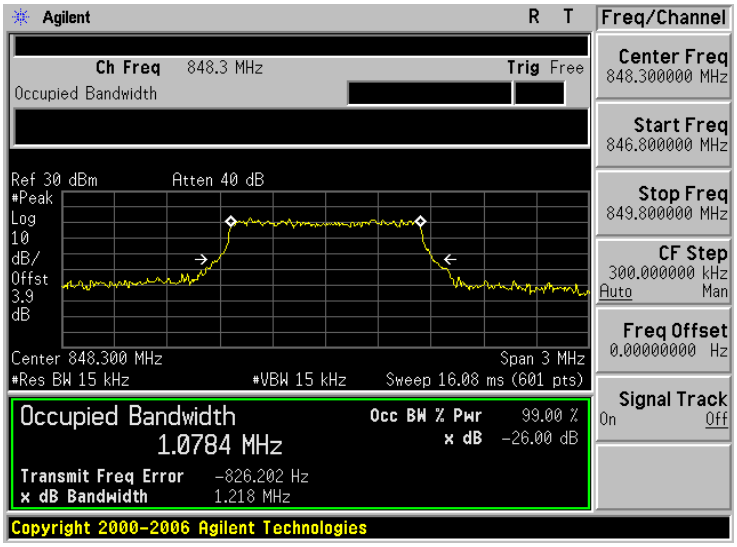
LTE Band 26_Part 22H (Channel Bandwidth: 1.4 MHz) _ QPSK	
824.7 MHz	
831.5 MHz	
848.3 MHz	

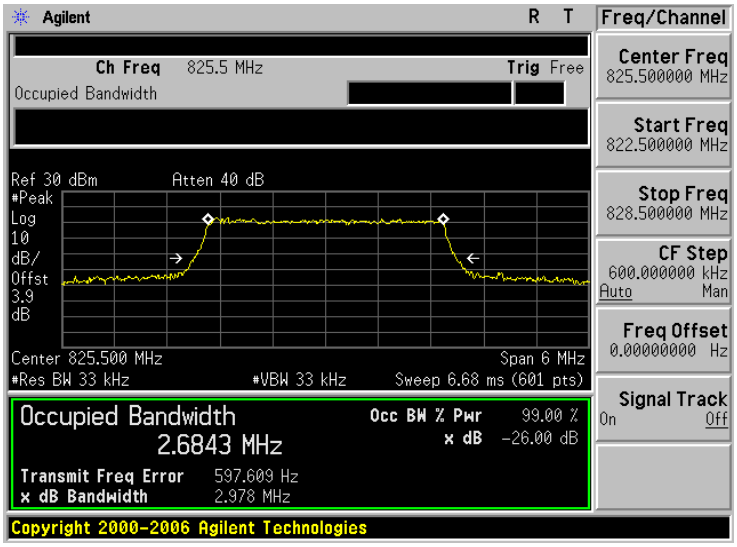
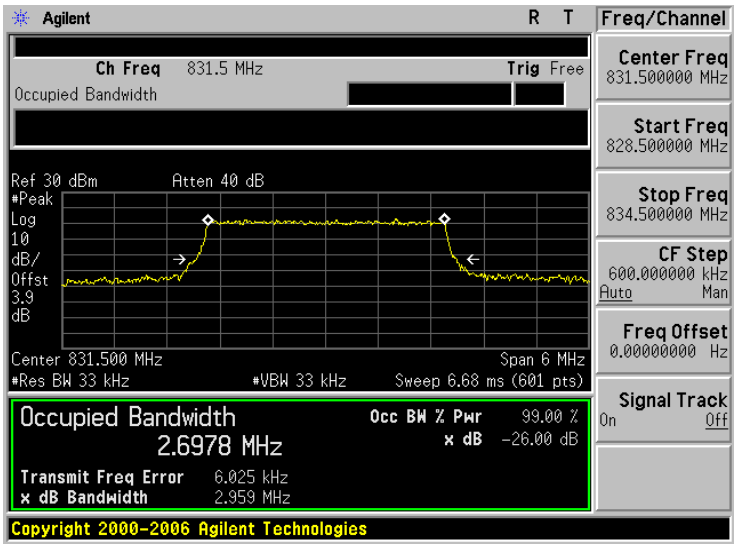
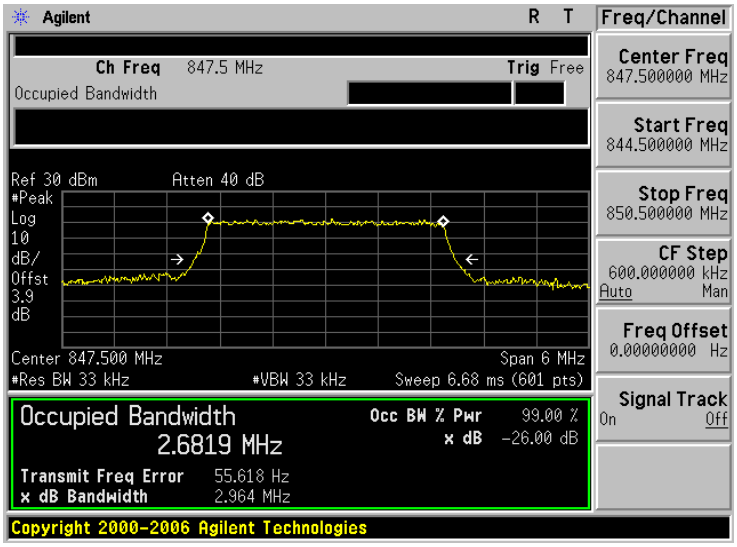
LTE Band 26_Part 22H (Channel Bandwidth: 3 MHz) _ QPSK	
825.5 MHz	
831.5 MHz	
847.5 MHz	

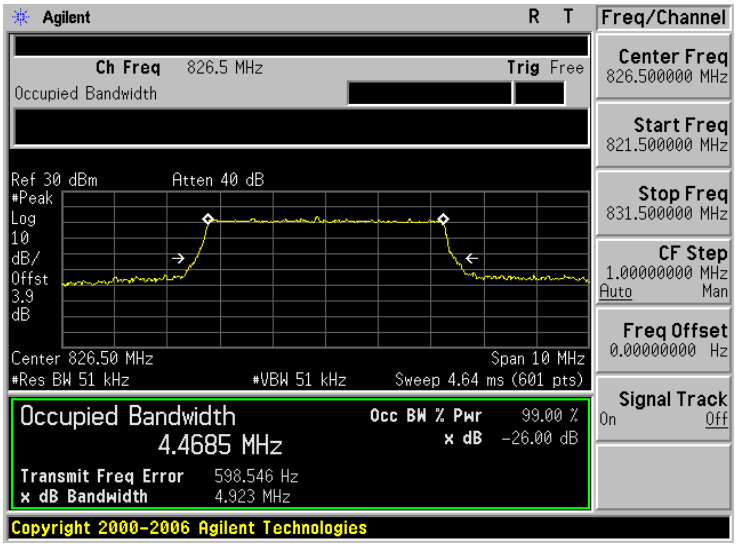
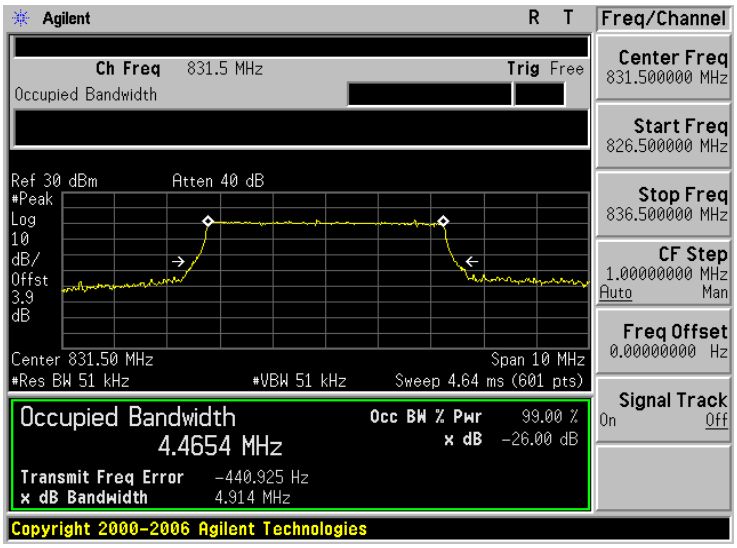
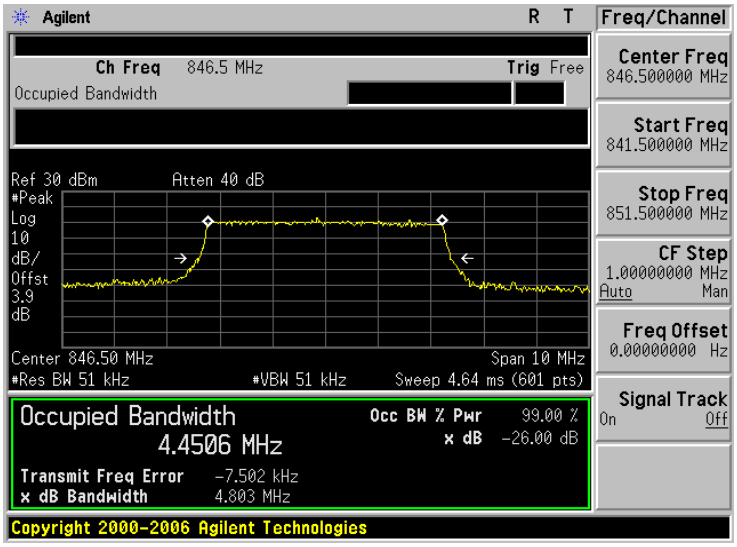
LTE Band 26_Part 22H (Channel Bandwidth: 5 MHz) _ QPSK	
826.5 MHz	
831.5 MHz	
846.5 MHz	

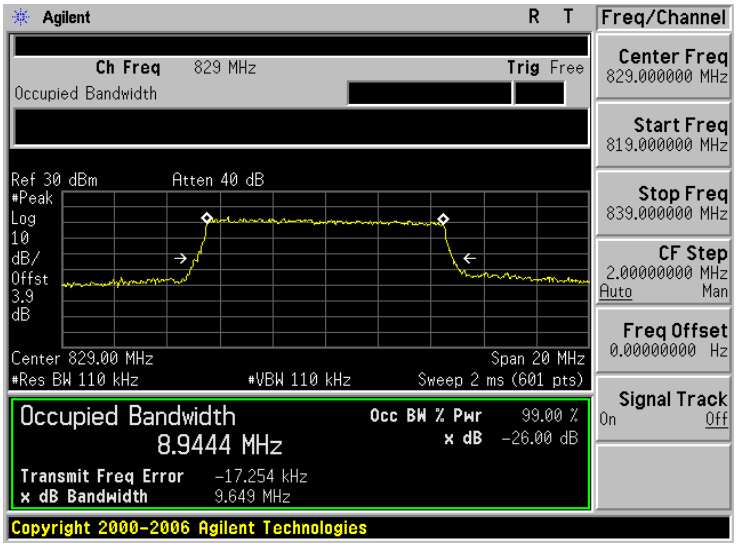
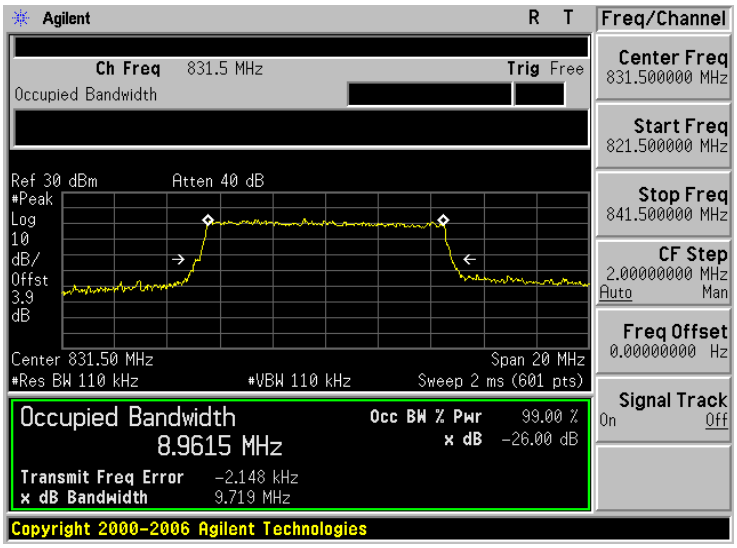
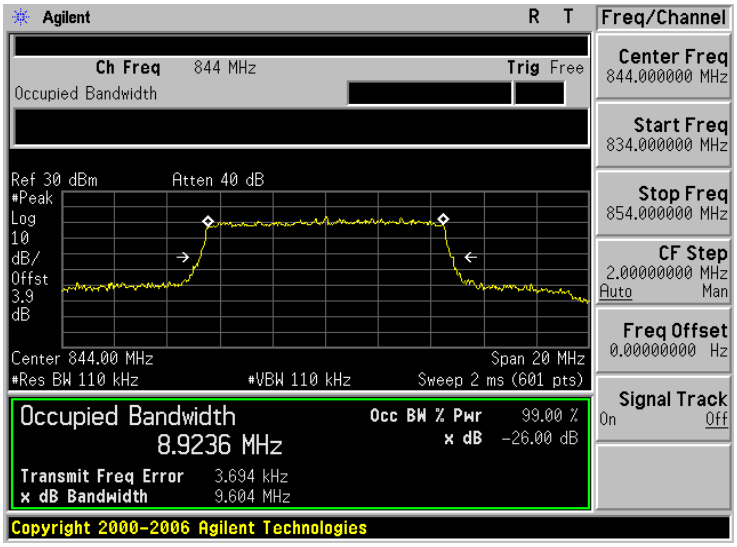
LTE Band 26_Part 22H (Channel Bandwidth: 10 MHz) _ QPSK	
829.0 MHz	
831.5 MHz	
844.0 MHz	

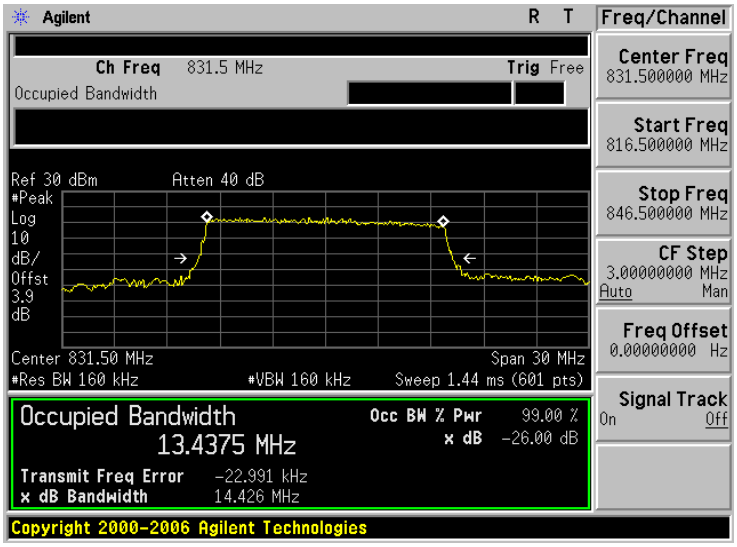
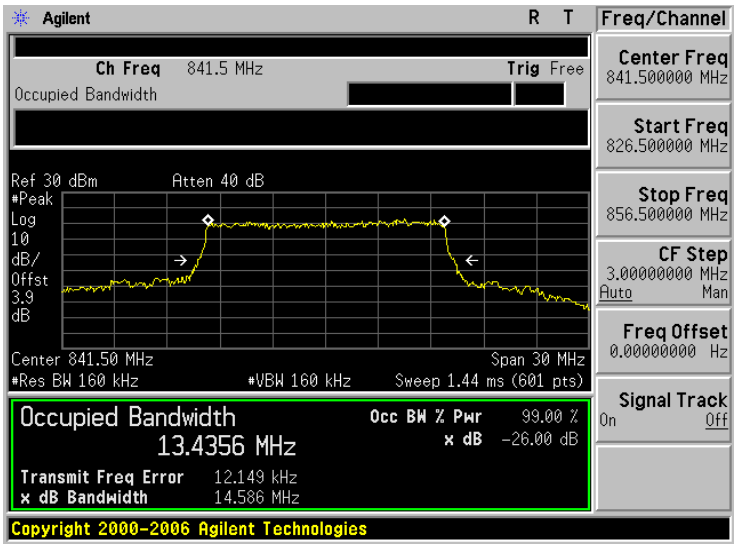
LTE Band 26_Part 22H (Channel Bandwidth: 15 MHz) _ QPSK	
831.5 MHz	
841.5 MHz	

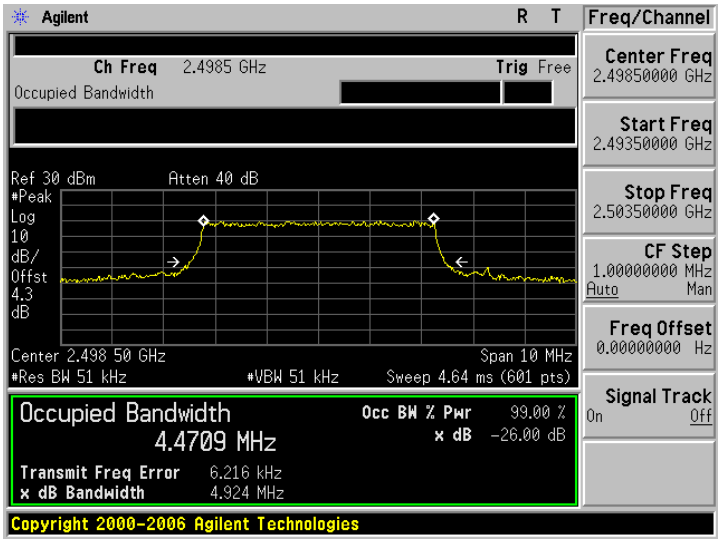
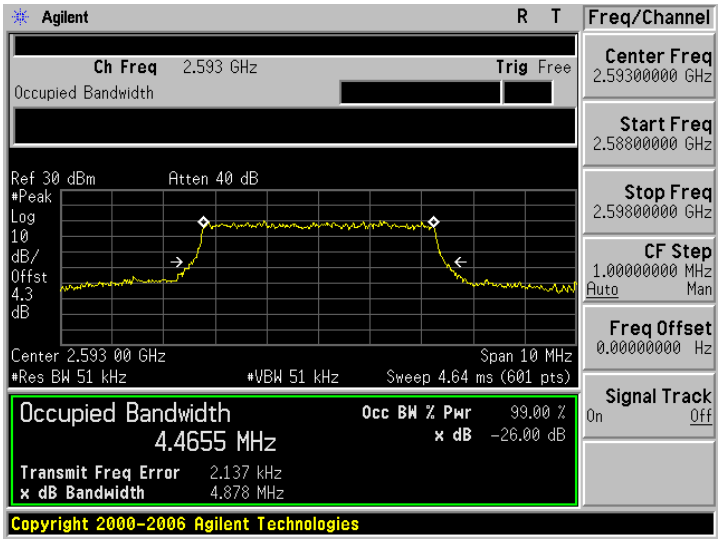
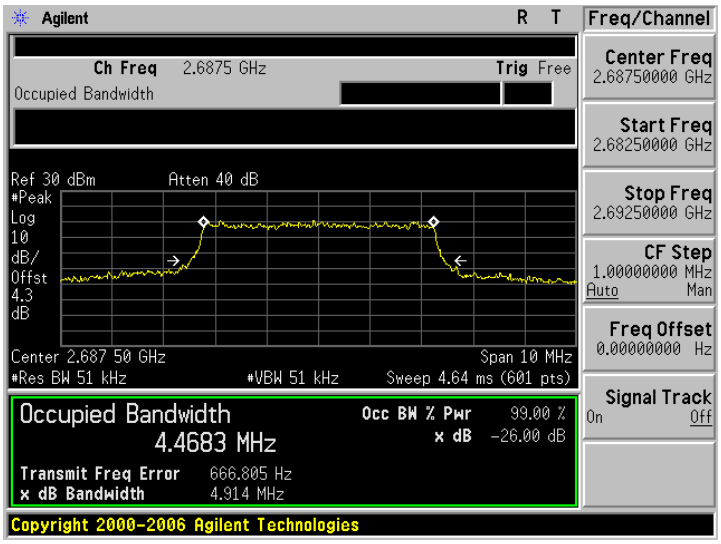
LTE Band 26_Part 22H (Channel Bandwidth: 1.4 MHz) _ 16QAM	
824.7 MHz	
831.5 MHz	
848.3 MHz	

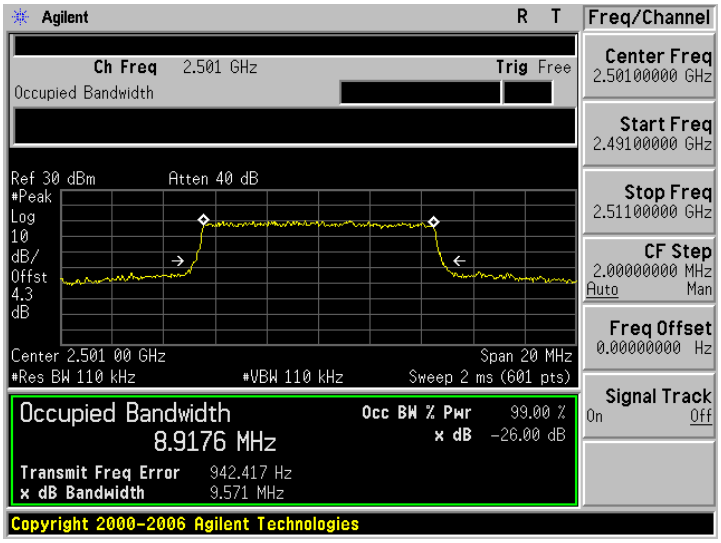
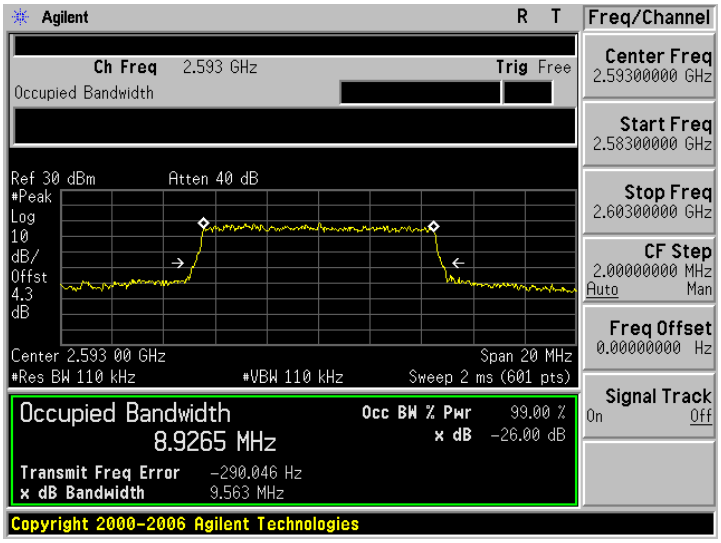
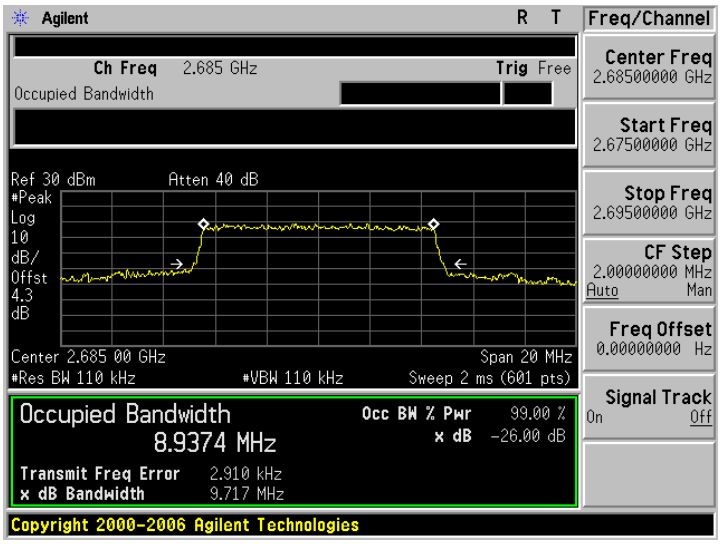
LTE Band 26_Part 22H (Channel Bandwidth: 3 MHz) _ 16QAM	
825.5 MHz	
831.5 MHz	
847.5 MHz	

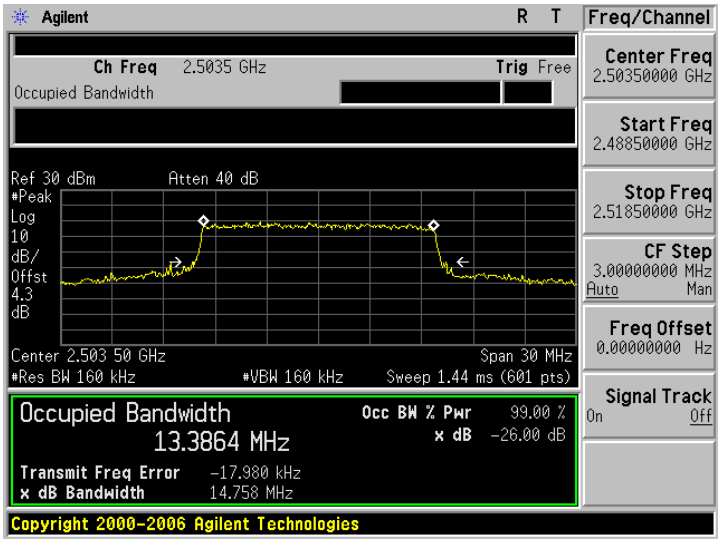
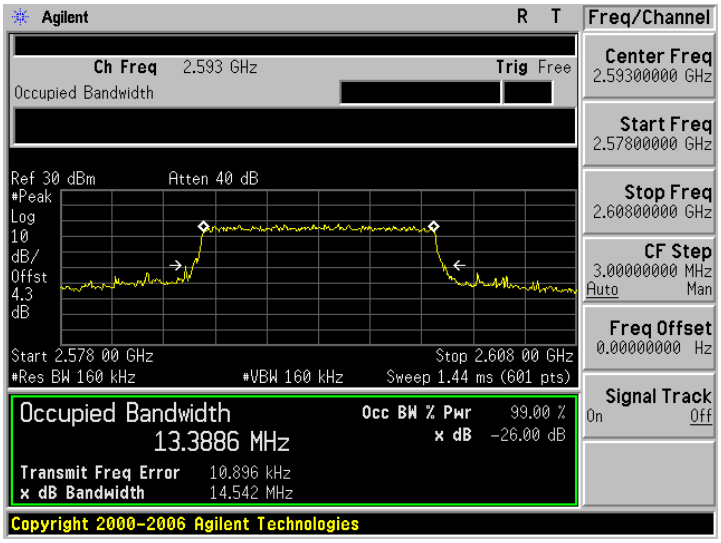
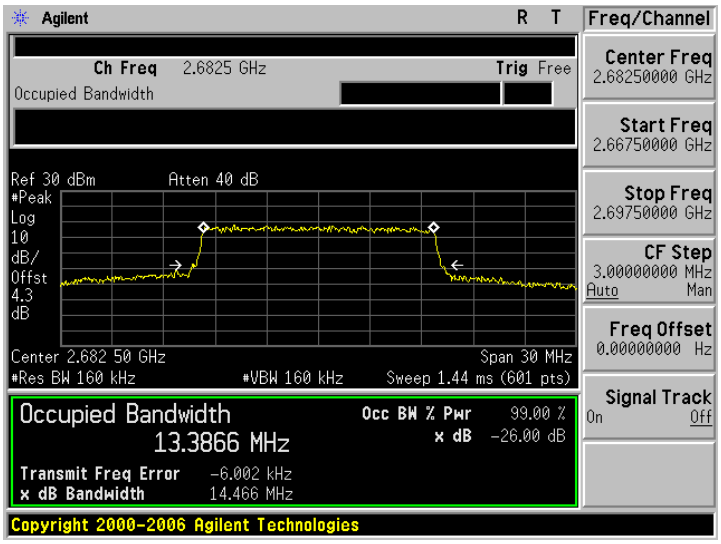
LTE Band 26_Part 22H (Channel Bandwidth: 5 MHz) _ 16QAM	
826.5 MHz	
831.5 MHz	
846.5 MHz	

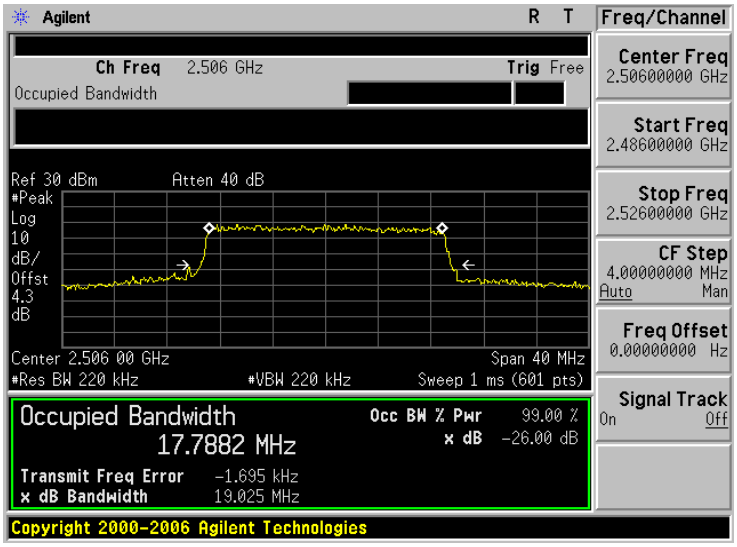
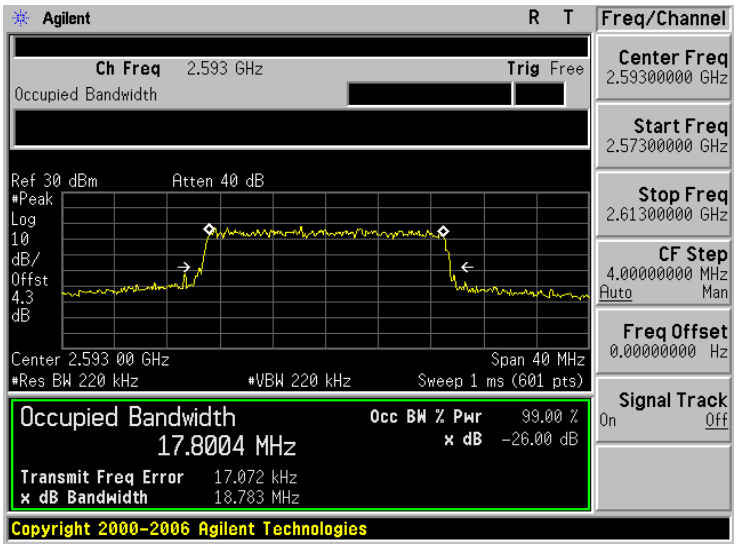
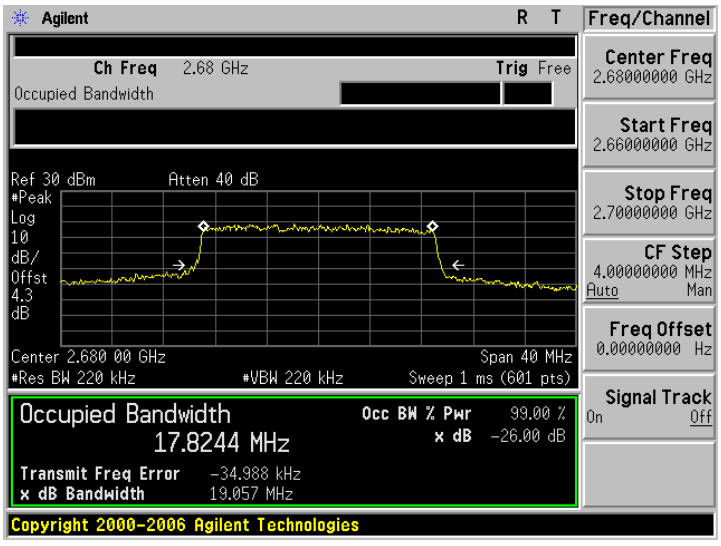
LTE Band 26_Part 22H (Channel Bandwidth: 10 MHz) _ 16QAM	
829.0 MHz	
831.5 MHz	
844.0 MHz	

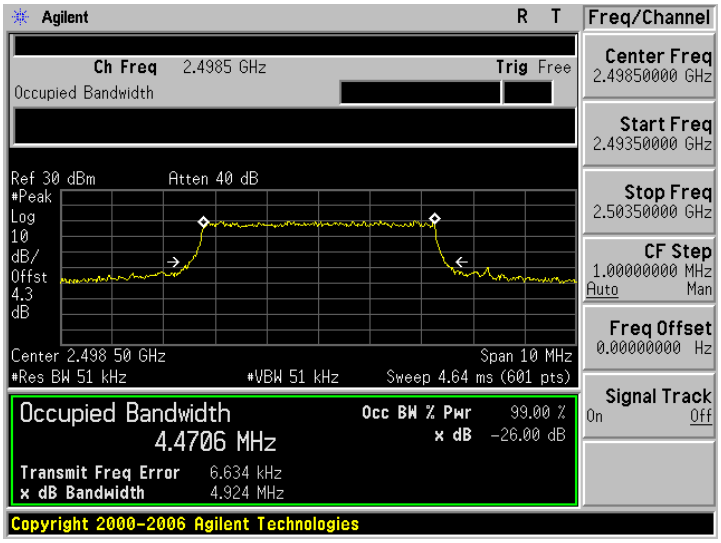
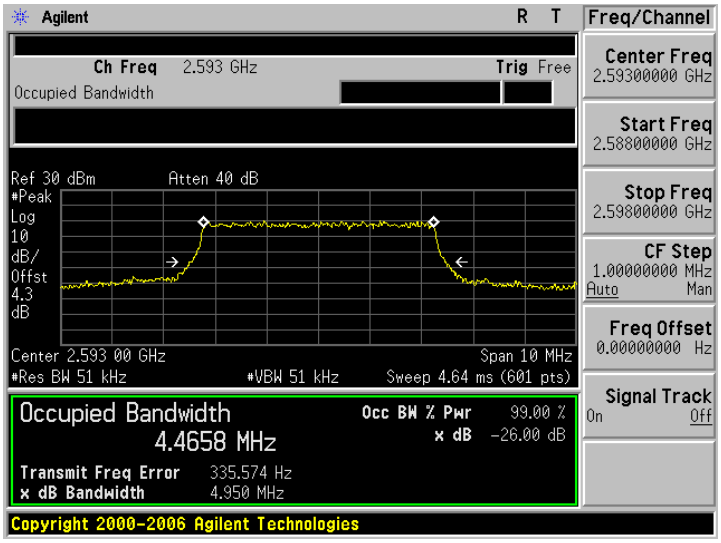
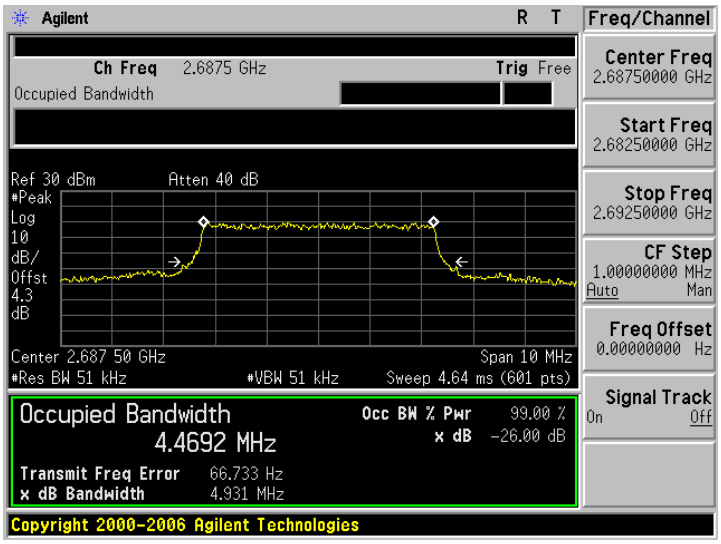
LTE Band 26_Part 22H (Channel Bandwidth: 15 MHz) _ 16QAM	
831.5 MHz	
841.5 MHz	

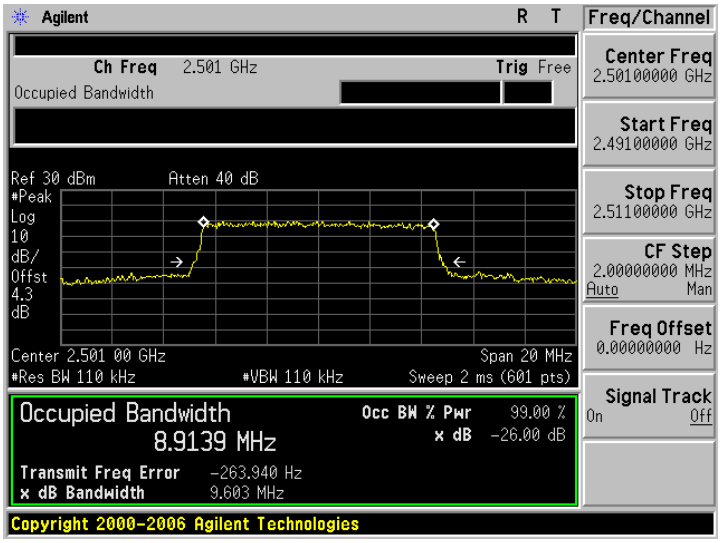
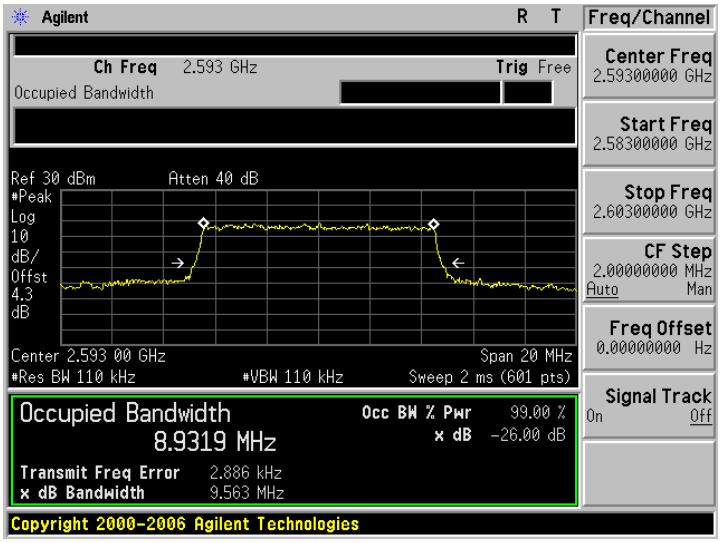
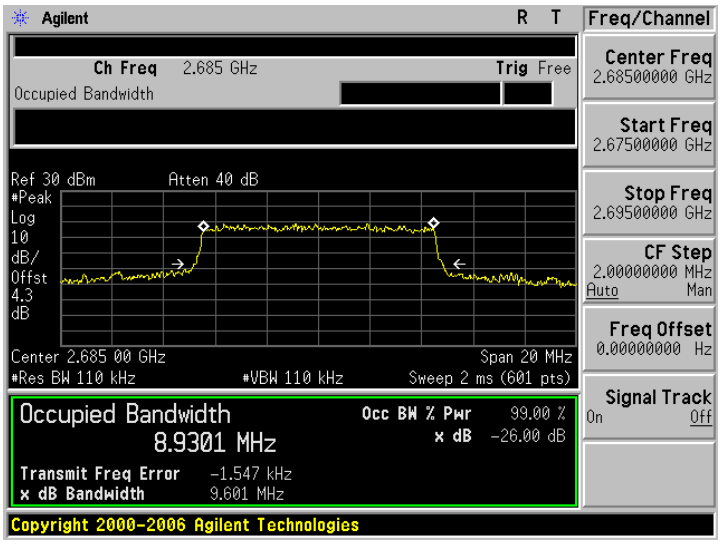
LTE Band 41 (Channel Bandwidth: 5 MHz) _ QPSK	
2498.5 MHz	
2593.0 MHz	
2687.5 MHz	

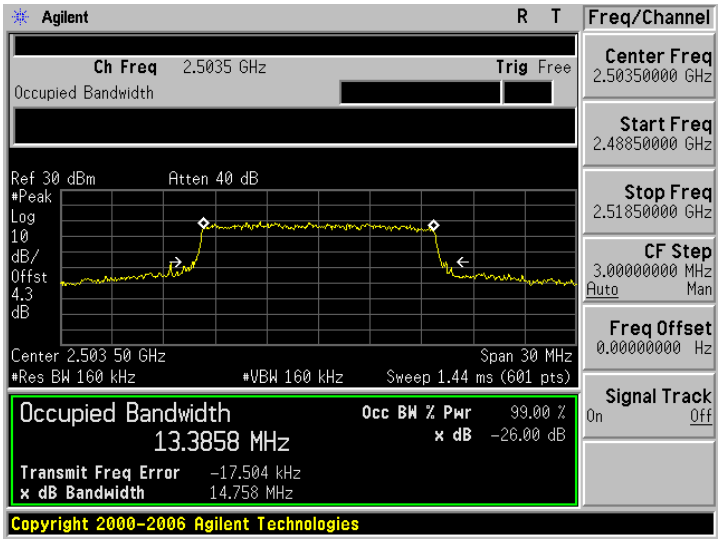
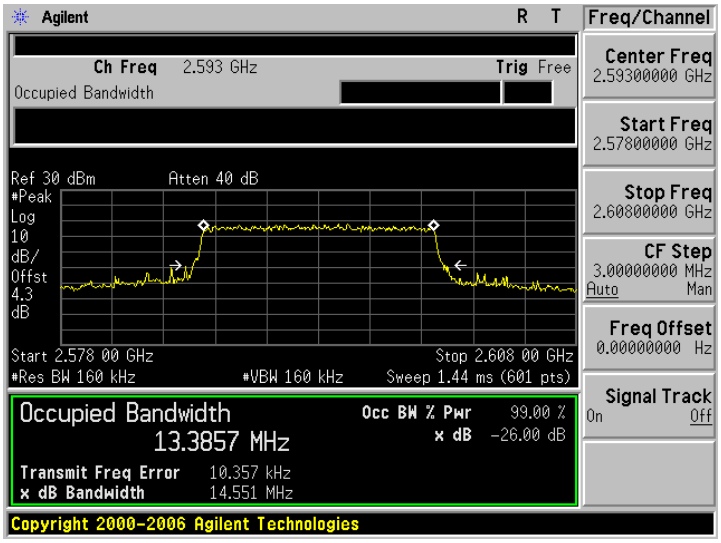
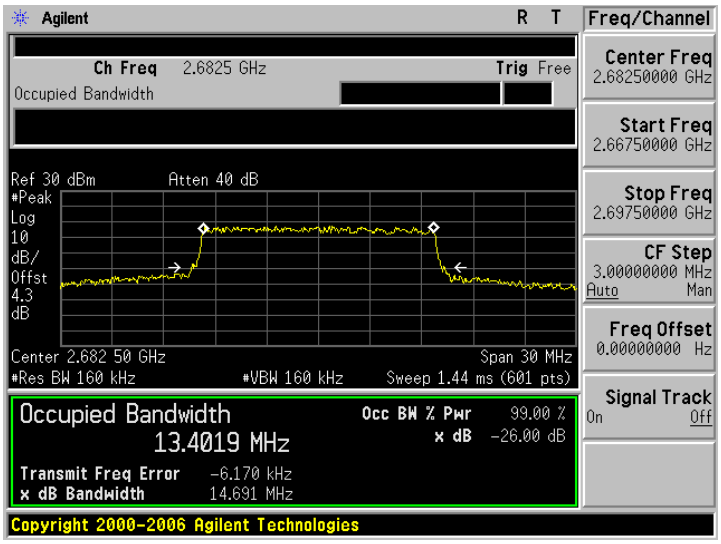
LTE Band 41 (Channel Bandwidth: 10 MHz) _ QPSK	
2501.0 MHz	
2593.0 MHz	
2685.0 MHz	

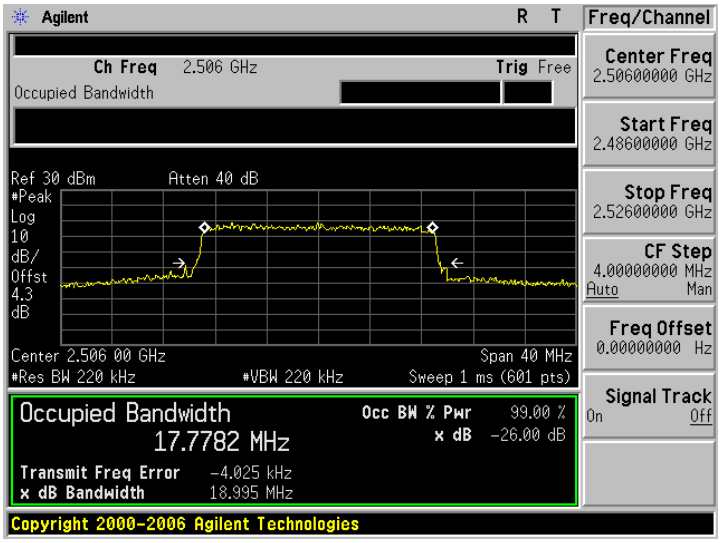
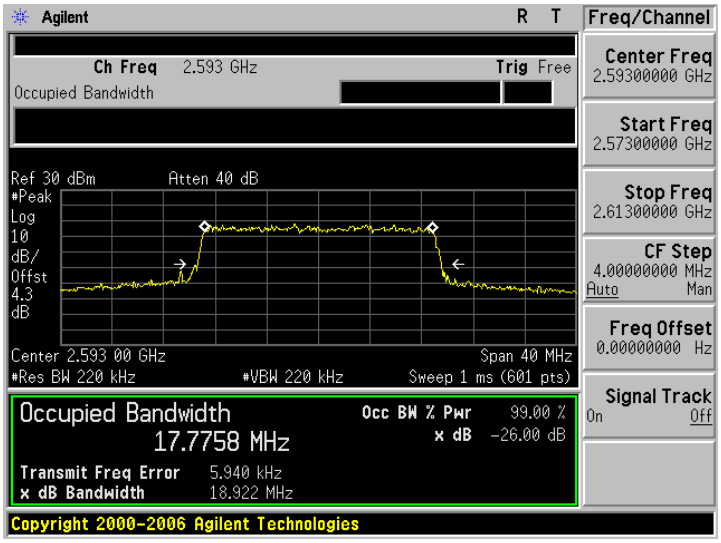
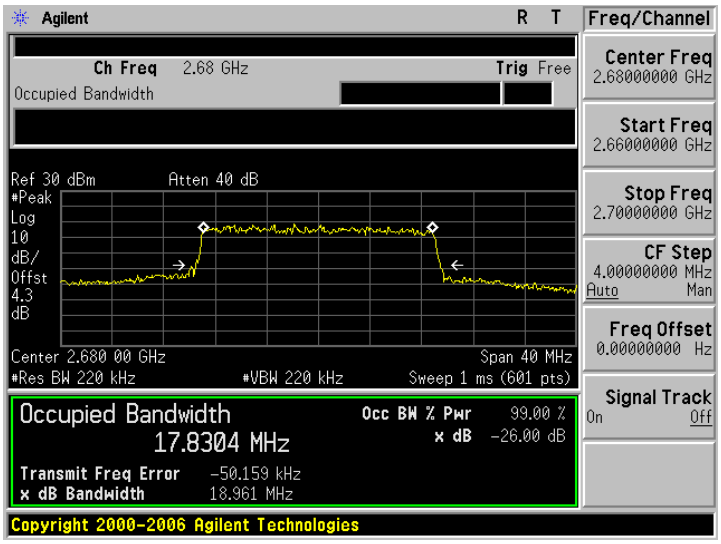
LTE Band 41 (Channel Bandwidth: 15 MHz) _ QPSK	
2503.5 MHz	
2593.0 MHz	
2682.5 MHz	

LTE Band 41 (Channel Bandwidth: 20 MHz) _ QPSK	
2506.0 MHz	
2593.0 MHz	
2680.0 MHz	

LTE Band 41 (Channel Bandwidth: 5 MHz) _ 16QAM	
2498.5 MHz	
2593.0 MHz	
2687.5 MHz	

LTE Band 41 (Channel Bandwidth: 10 MHz) _ 16QAM	
2501.0 MHz	
2593.0 MHz	
2685.0 MHz	

LTE Band 41 (Channel Bandwidth: 15 MHz) _ 16QAM	
2503.5 MHz	
2593.0 MHz	
2682.5 MHz	

LTE Band 41 (Channel Bandwidth: 20 MHz) _ 16QAM	
2506.0 MHz	
2593.0 MHz	
2680.0 MHz	

6 Peak to Average Ratio Test

6.1. Limit

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

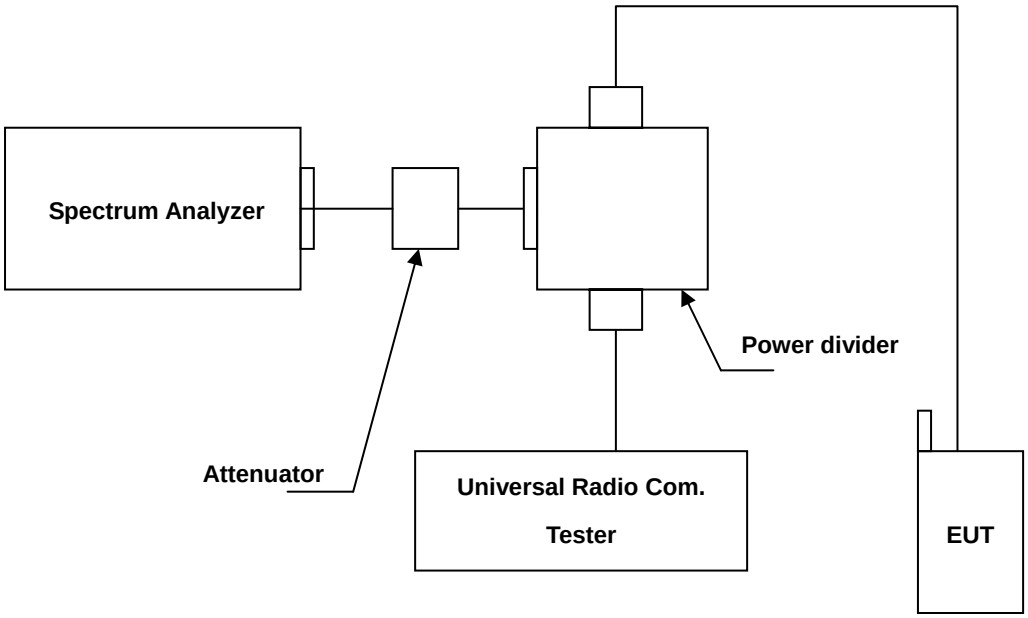
6.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	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

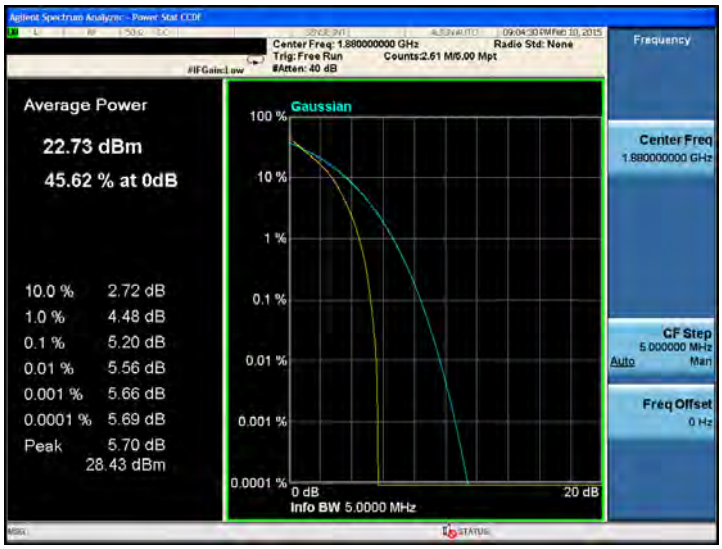
LTE Band 25				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	1882.5	4.61	< 13
	3 MHz	1882.5	4.51	< 13
	5 MHz	1882.5	4.38	< 13
	10 MHz	1882.5	4.59	< 13
	15 MHz	1882.5	4.70	< 13
	20 MHz	1882.5	5.06	< 13
16QAM	1.4 MHz	1882.5	5.63	< 13
	3 MHz	1882.5	5.37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

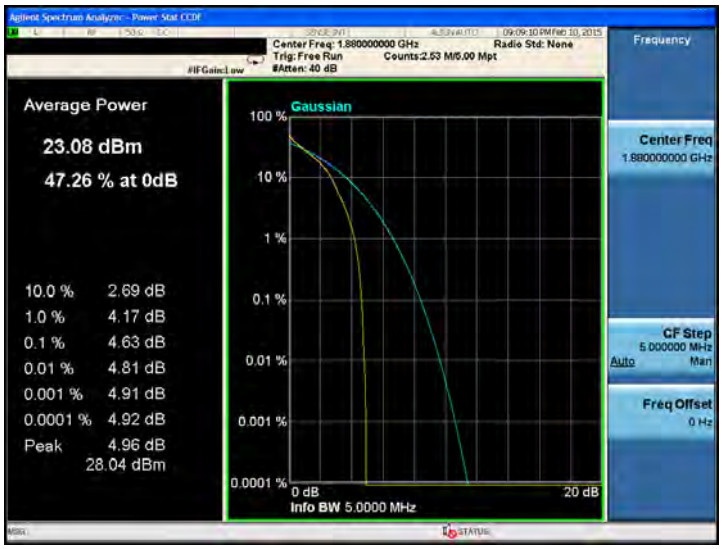
LTE Band 26_Part 90S				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	819.0	5.45	< 13
	3 MHz	819.0	5.33	< 13
	5 MHz	819.0	5.00	< 13
	10 MHz	819.0	4.06	< 13
16QAM	1.4 MHz	819.0	5.65	< 13
	3 MHz	819.0	5.38	< 13
	5 MHz	819.0	5.19	< 13
	10 MHz	819.0	4.90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

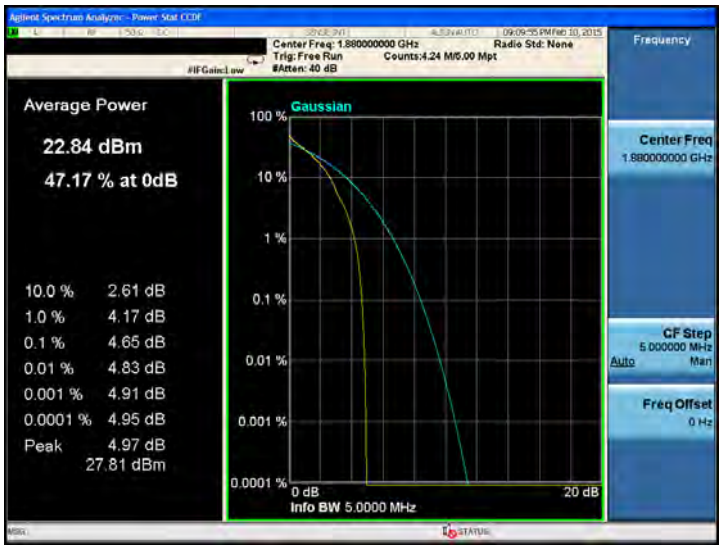
LTE Band 26_Part 22H				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	831.5	4.11	< 13
	3 MHz	831.5	4.18	< 13
	5 MHz	831.5	4.17	< 13
	10 MHz	831.5	4.48	< 13
	15 MHz	831.5	4.74	< 13
16QAM	1.4 MHz	831.5	5.21	< 13
	3 MHz	831.5	5.01	< 13
	5 MHz	831.5	5.10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

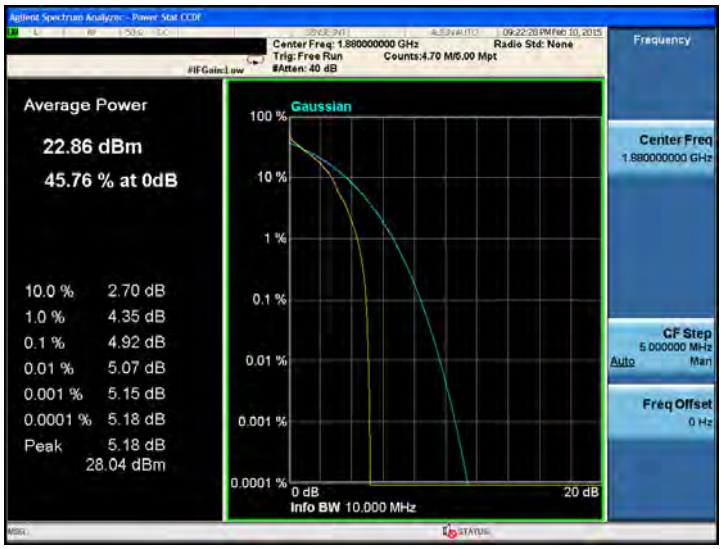
LTE Band 41				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	5 MHz	2593.0	7.06	< 13
	10 MHz	2593.0	7.34	< 13
	15 MHz	2593.0	7.21	< 13
	20 MHz	2593.0	7.32	< 13
16QAM	5 MHz	2593.0	7.73	< 13
	10 MHz	2593.0	7.59	< 13
	15 MHz	2593.0	7.75	< 13
	20 MHz	2593.0	7.85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

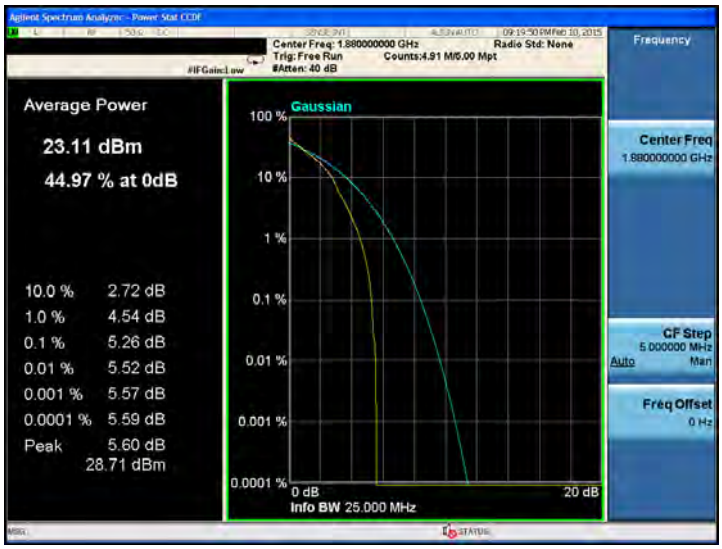
6.7. Test Graphs

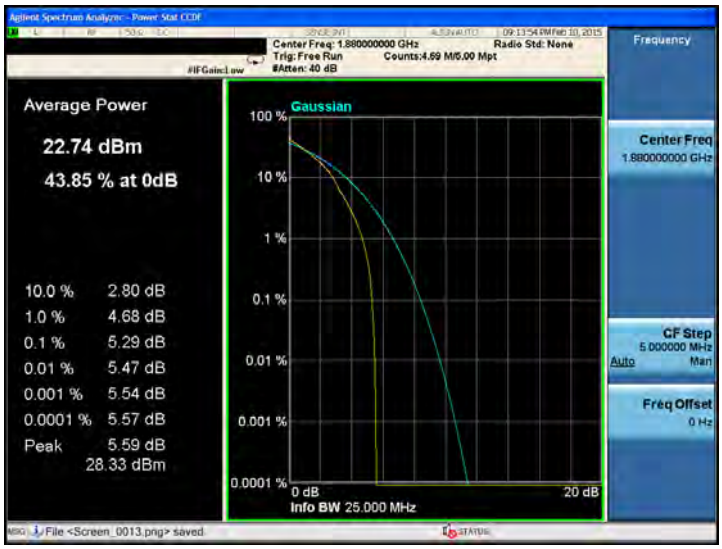
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1880.0 MHz	

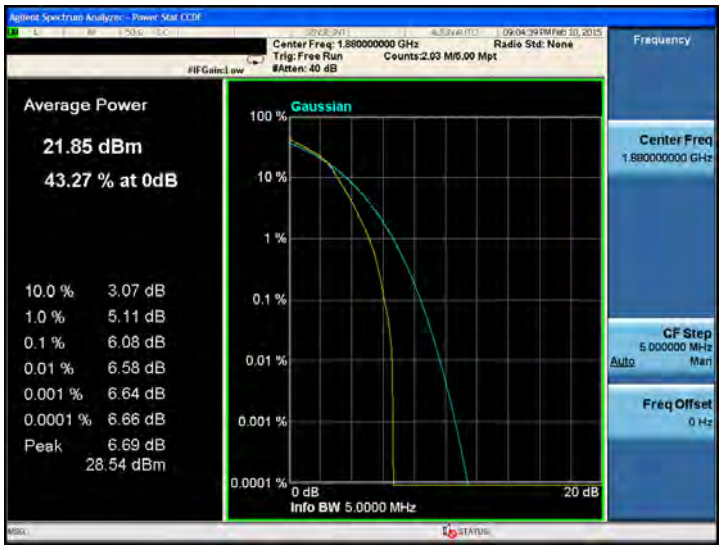
LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK	
1880.0 MHz	

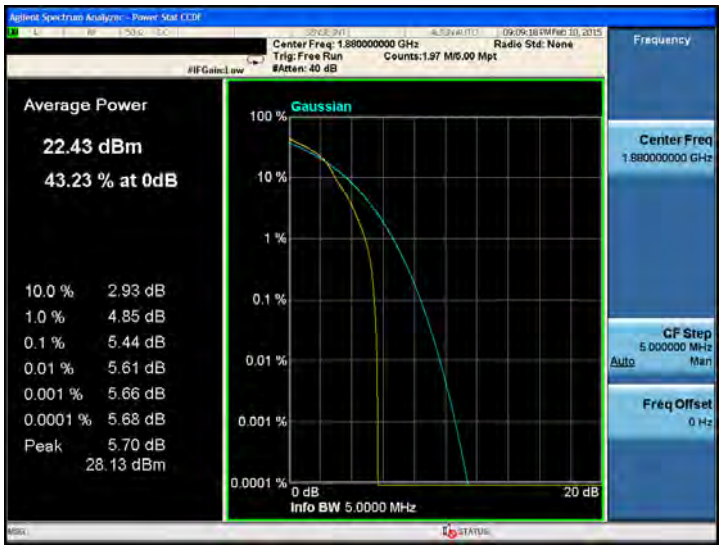
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK	
1880.0 MHz	

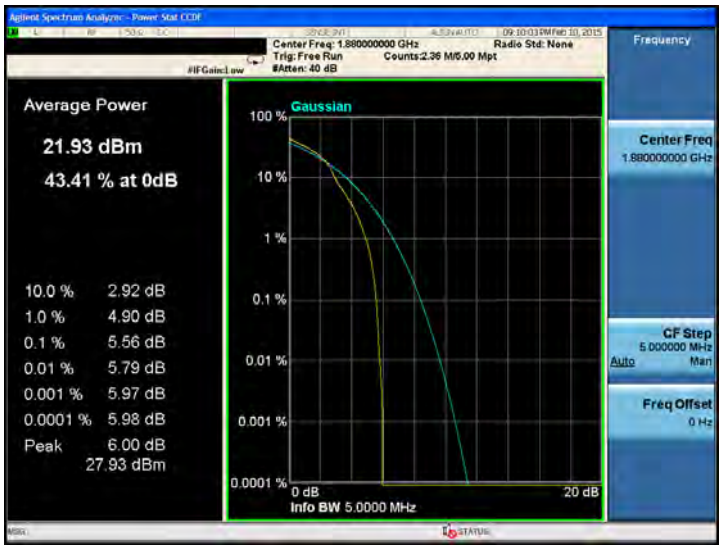
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK	
1880.0 MHz	

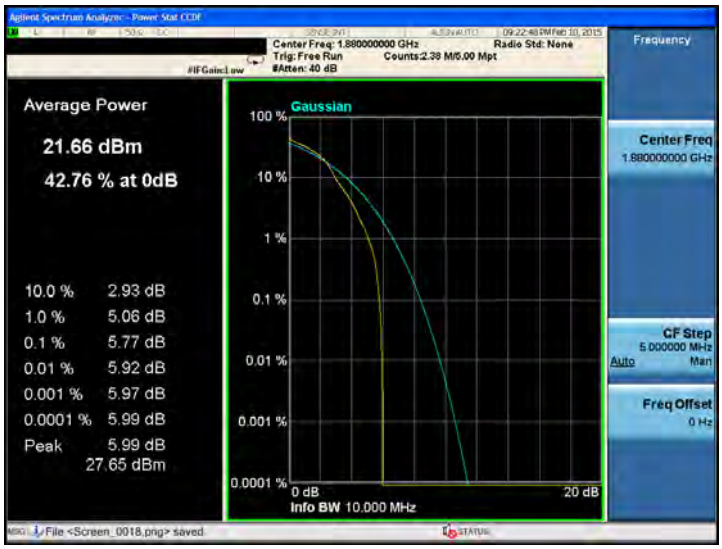
LTE Band 2 (Channel Bandwidth: 15 MHz) _ QPSK	
1880.0 MHz	

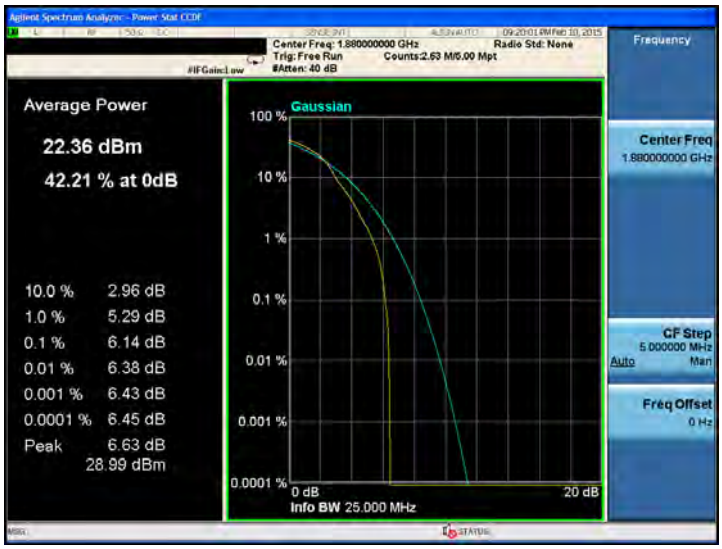
LTE Band 2 (Channel Bandwidth: 20 MHz) _ QPSK	
1880.0 MHz	

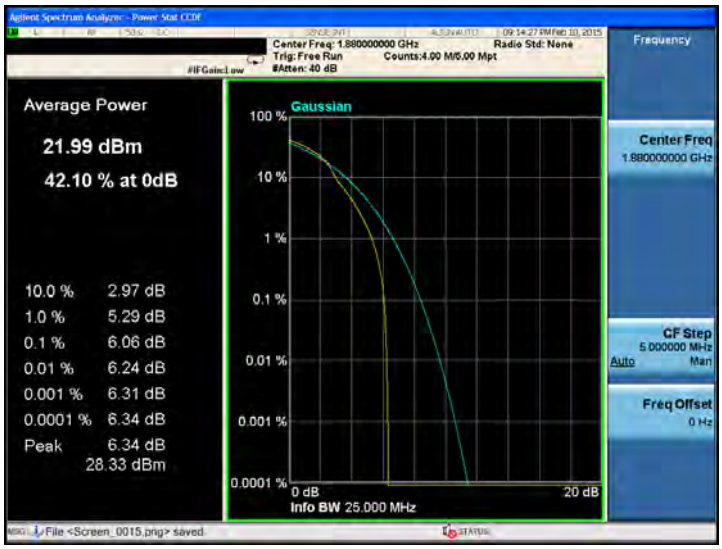
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1880.0 MHz	

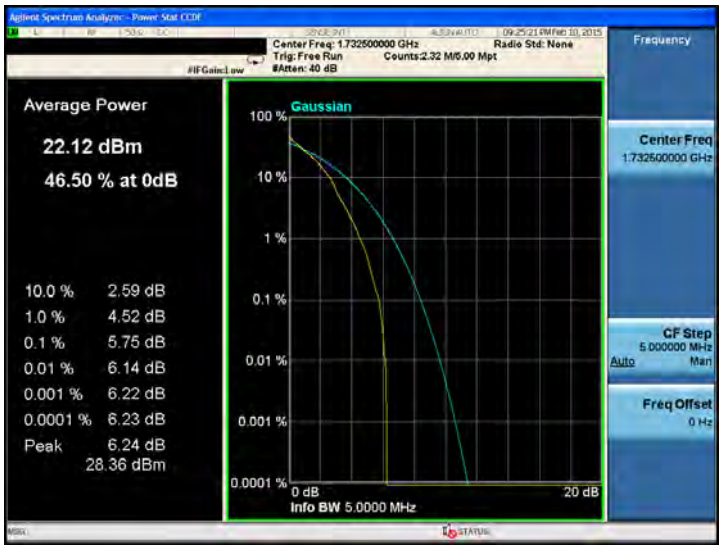
LTE Band 2 (Channel Bandwidth: 3 MHz) _ 16QAM	
1880.0 MHz	

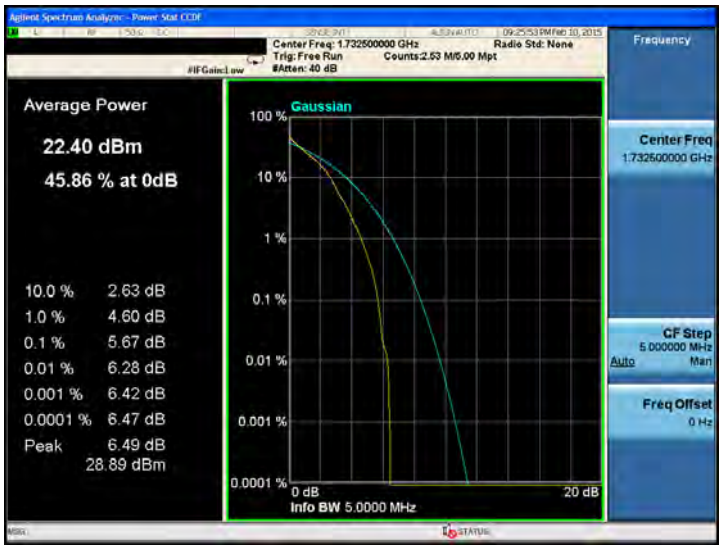
LTE Band 2 (Channel Bandwidth: 5 MHz) _ 16QAM	
1880.0 MHz	

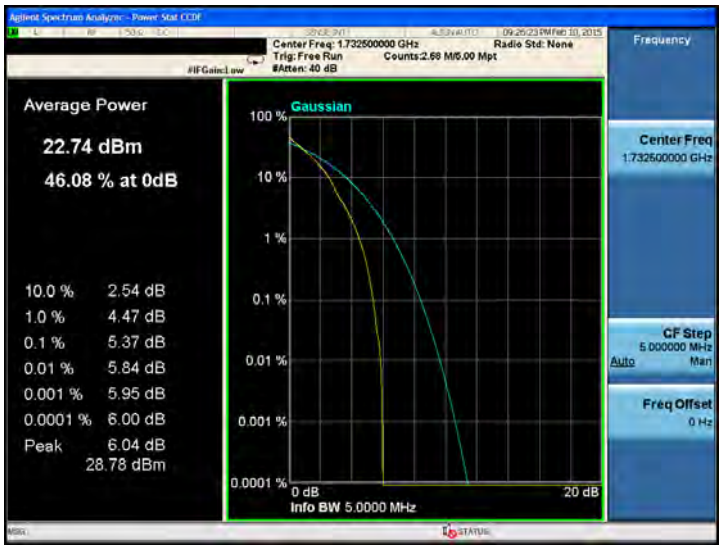
LTE Band 2 (Channel Bandwidth: 10 MHz) _ 16QAM	
1880.0 MHz	

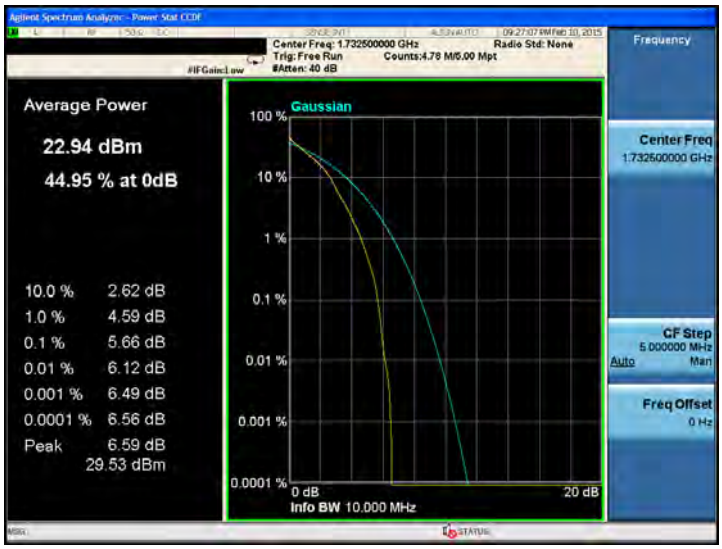
LTE Band 2 (Channel Bandwidth: 15 MHz) _ 16QAM	
1880.0 MHz	

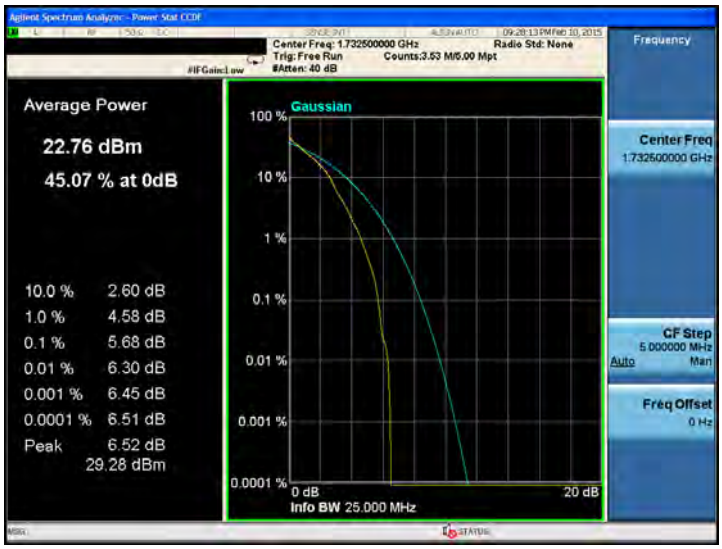
LTE Band 2 (Channel Bandwidth: 20 MHz) _ 16QAM	
1880.0 MHz	

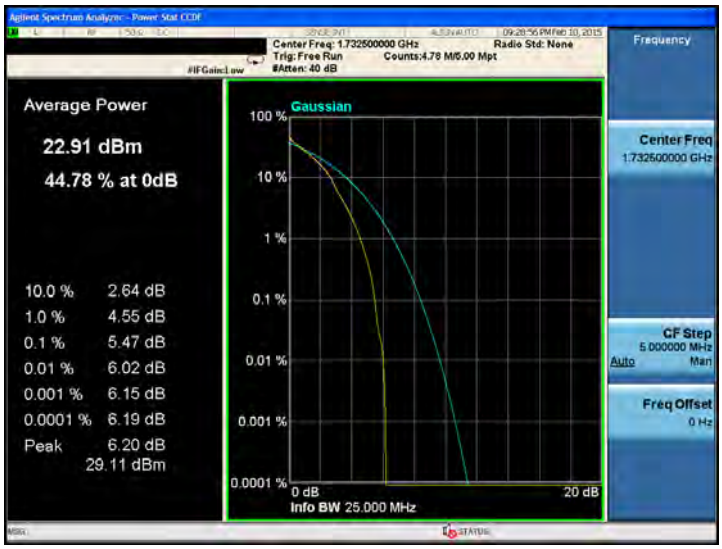
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1732.5 MHz	

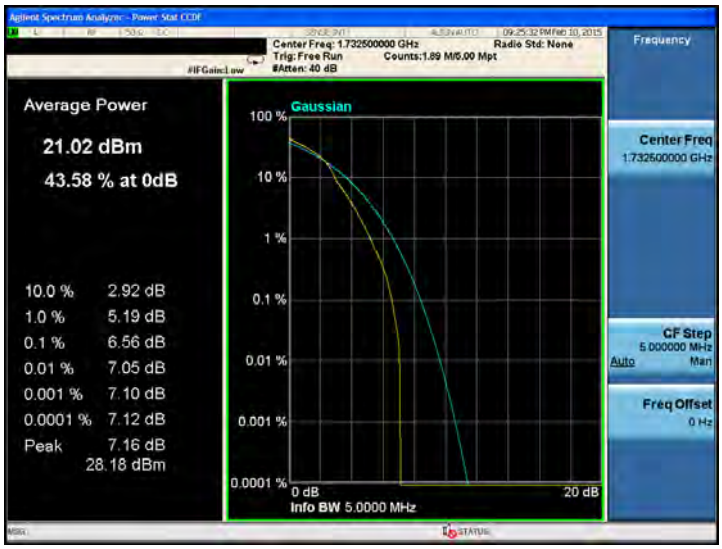
LTE Band 4 (Channel Bandwidth: 3 MHz) _ QPSK	
1732.5 MHz	

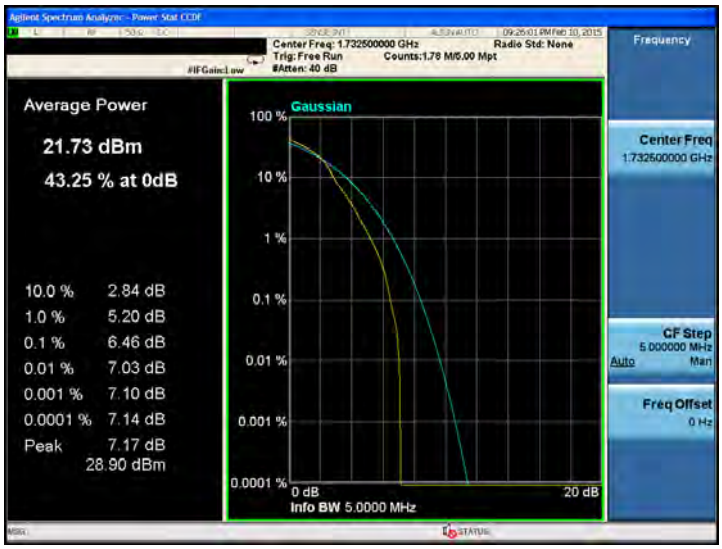
LTE Band 4 (Channel Bandwidth: 5 MHz) _ QPSK	
1732.5 MHz	

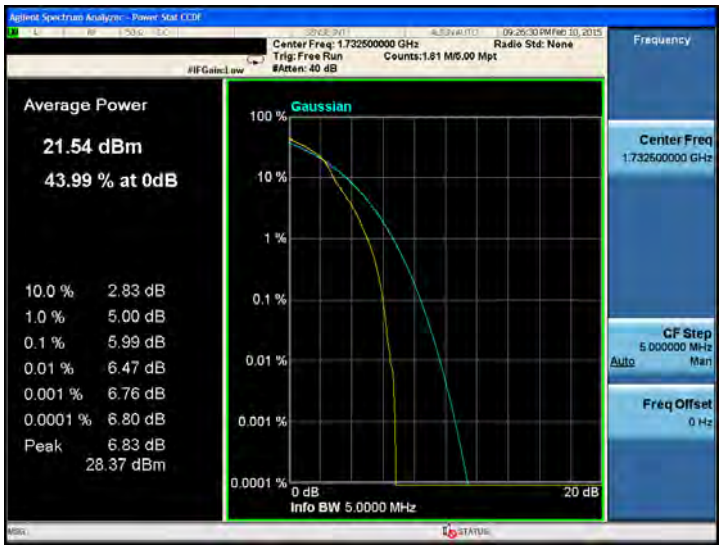
LTE Band 4 (Channel Bandwidth: 10 MHz) _ QPSK	
1732.5 MHz	

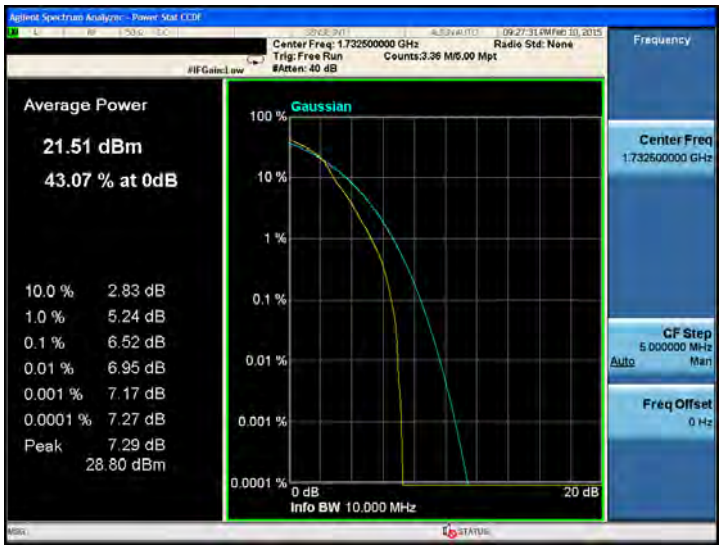
LTE Band 4 (Channel Bandwidth: 15 MHz) _ QPSK	
1732.5 MHz	

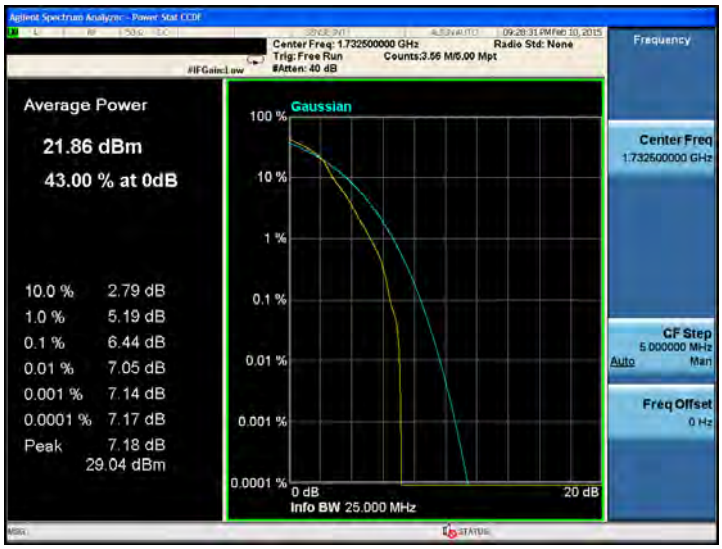
LTE Band 4 (Channel Bandwidth: 20 MHz) _ QPSK	
1732.5 MHz	

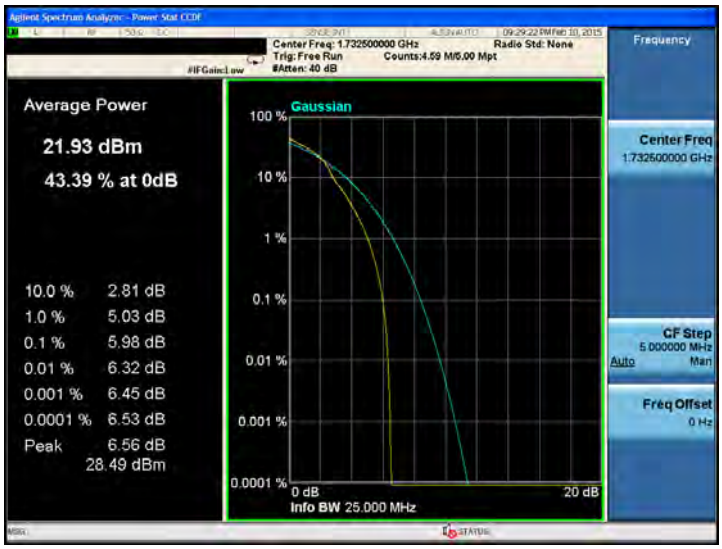
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1732.5 MHz	

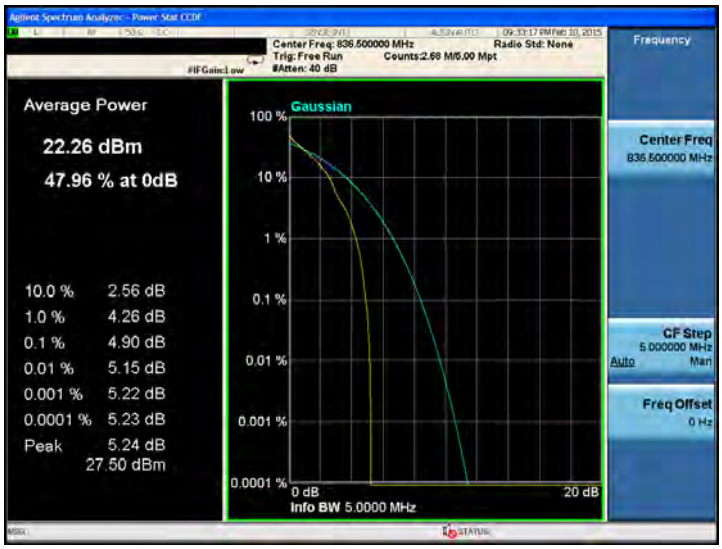
LTE Band 4 (Channel Bandwidth: 3 MHz) _ 16QAM	
1732.5 MHz	

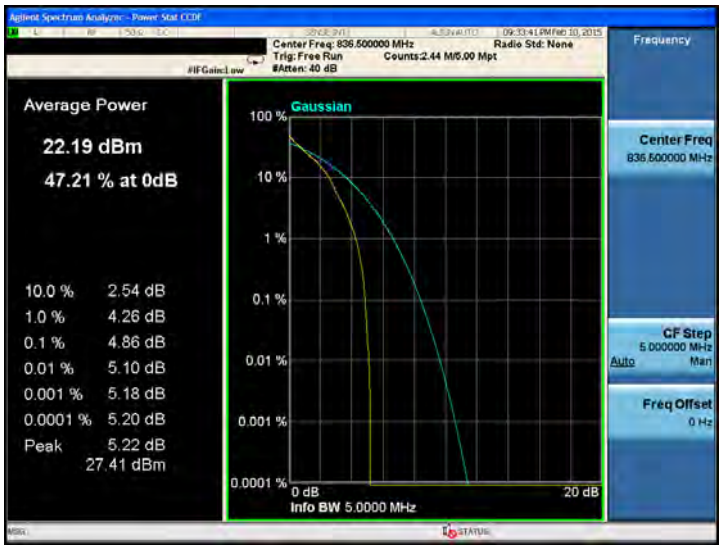
LTE Band 4 (Channel Bandwidth: 5 MHz) _ 16QAM	
1732.5 MHz	

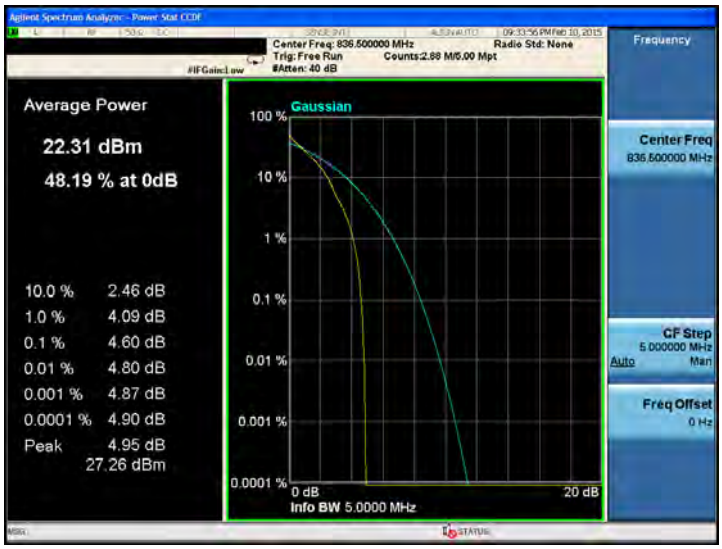
LTE Band 4 (Channel Bandwidth: 10 MHz) _ 16QAM	
1732.5 MHz	

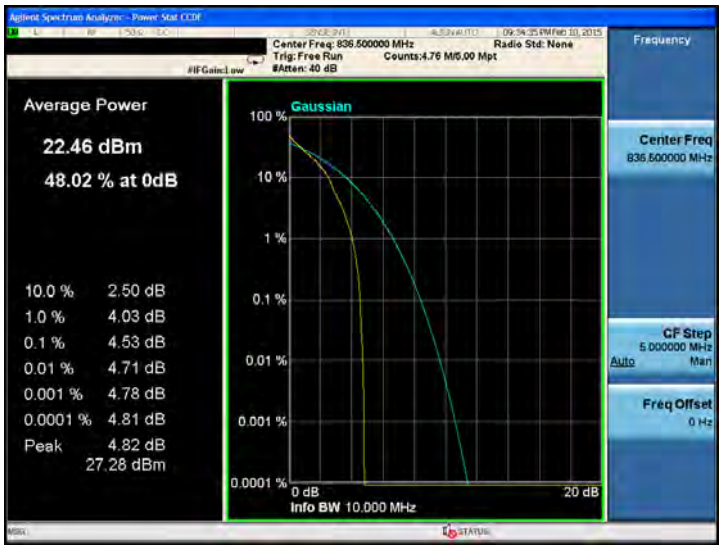
LTE Band 4 (Channel Bandwidth: 15 MHz) _ 16QAM	
1732.5 MHz	

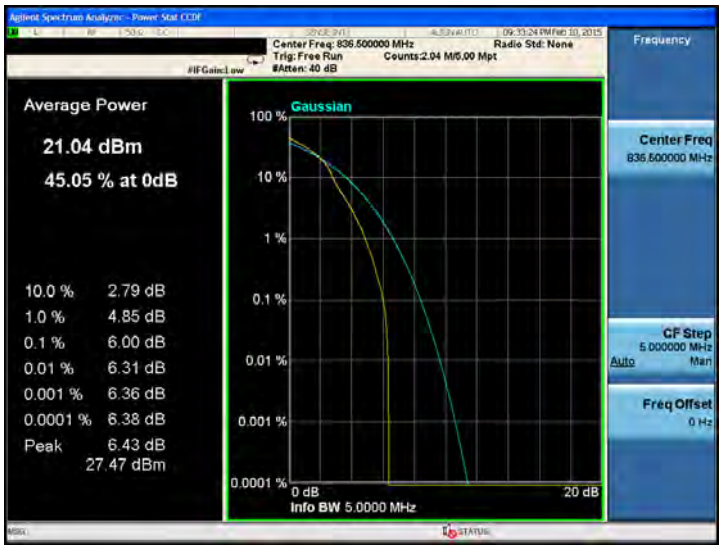
LTE Band 4 (Channel Bandwidth: 20 MHz) _ 16QAM	
1732.5 MHz	

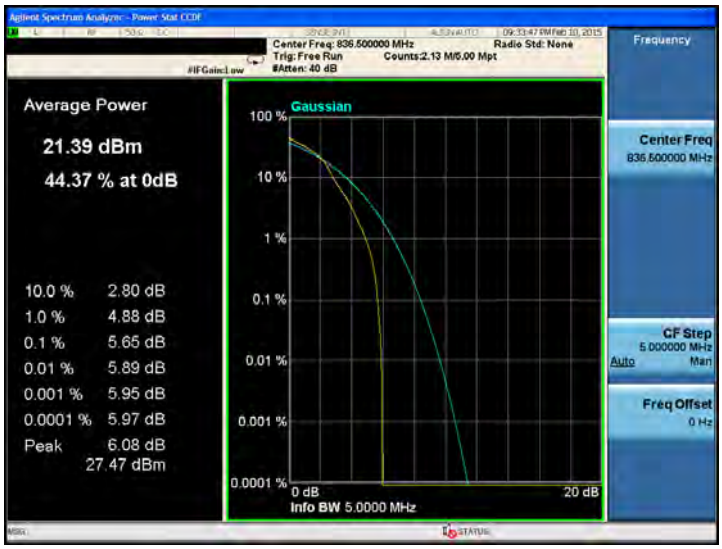
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ QPSK	
836.5 MHz	

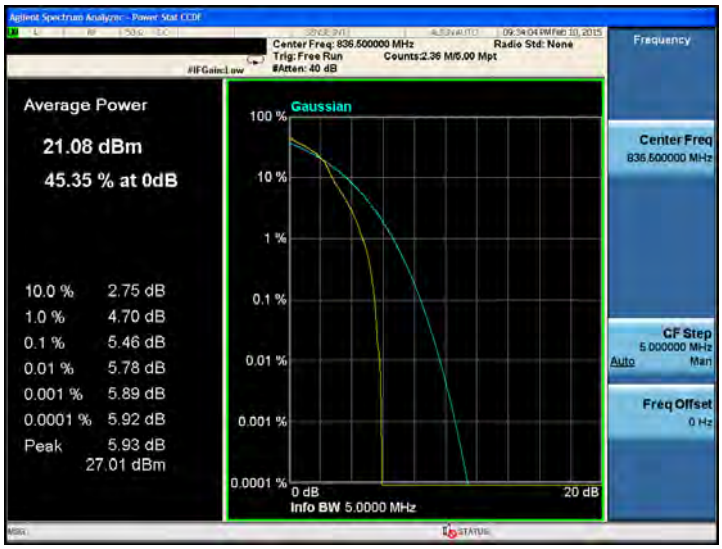
LTE Band 5 (Channel Bandwidth: 3 MHz) _ QPSK	
836.5 MHz	

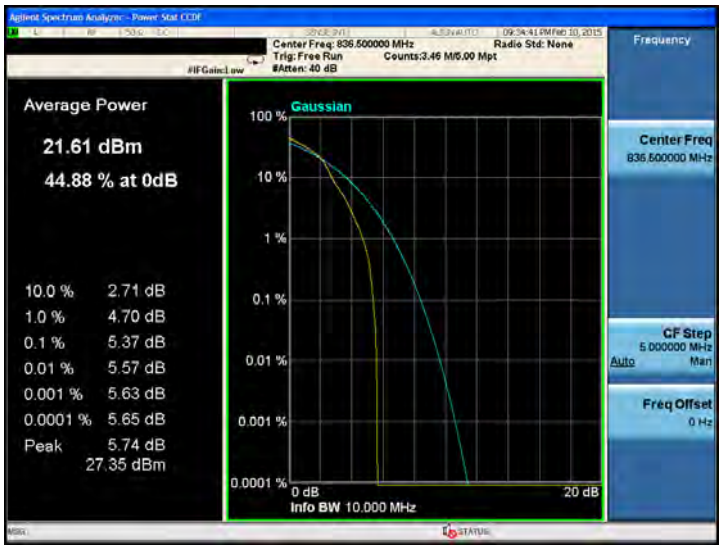
LTE Band 5 (Channel Bandwidth: 5 MHz) _ QPSK	
836.5 MHz	

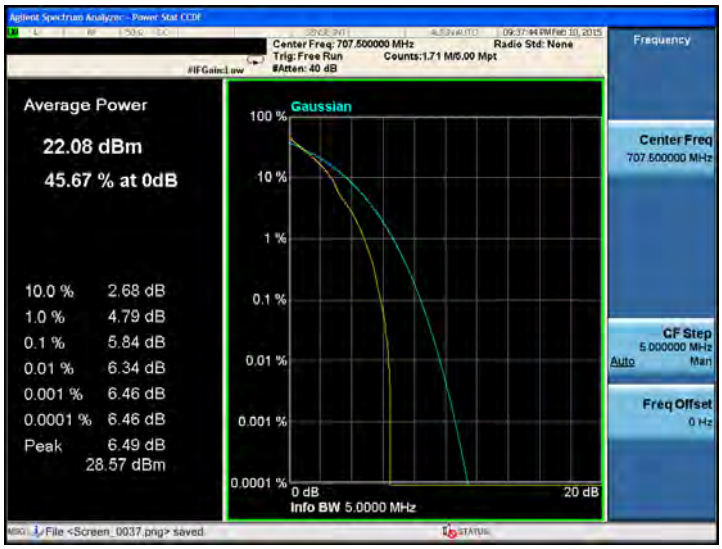
LTE Band 5 (Channel Bandwidth: 10 MHz) _ QPSK	
836.5 MHz	

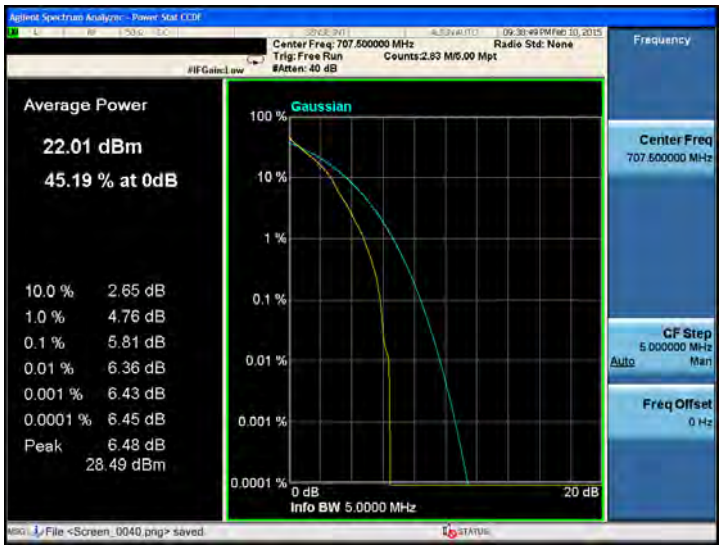
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
836.5 MHz	

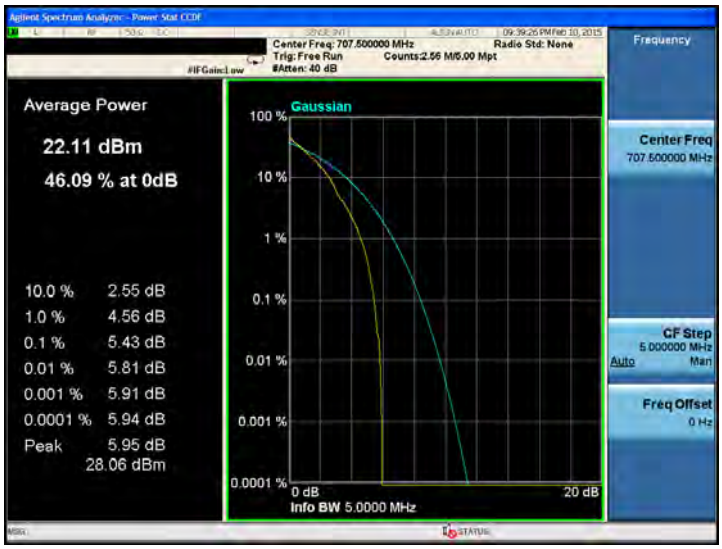
LTE Band 5 (Channel Bandwidth: 3 MHz) _ 16QAM	
836.5 MHz	

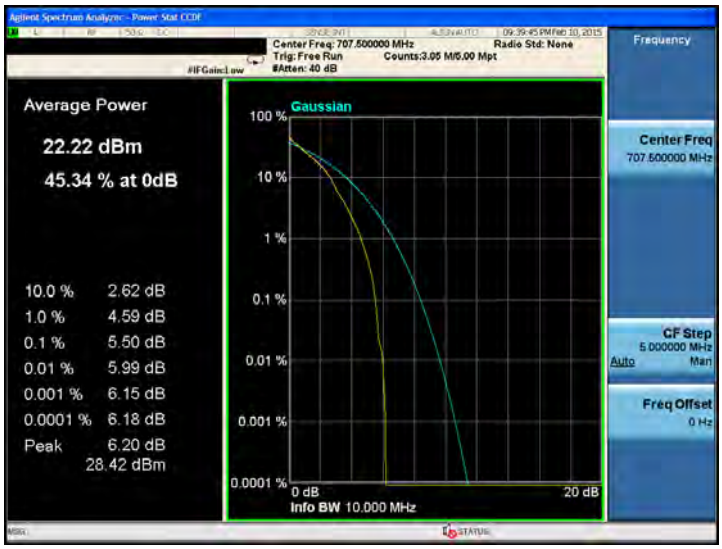
LTE Band 5 (Channel Bandwidth: 5 MHz) _ 16QAM	
836.5 MHz	

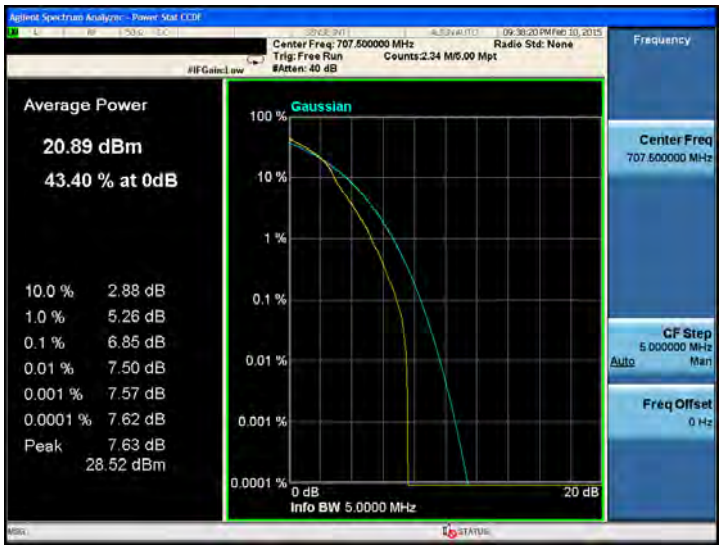
LTE Band 5 (Channel Bandwidth: 10 MHz) _ 16QAM	
836.5 MHz	

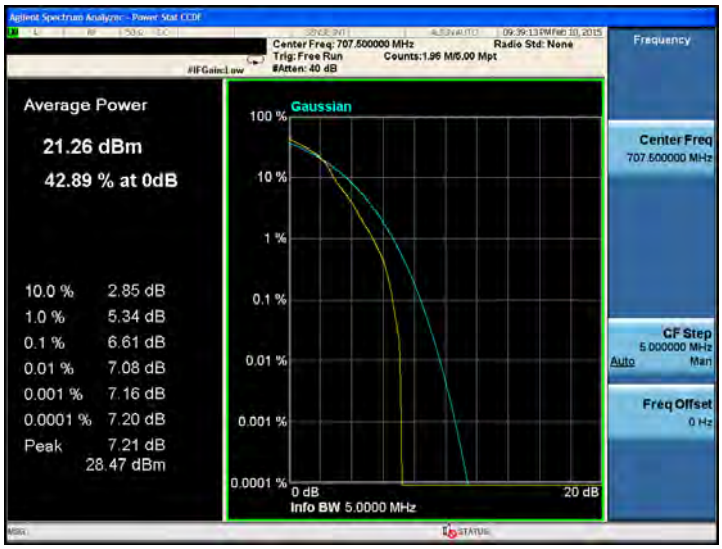
LTE Band 12 (Channel Bandwidth: 1.4 MHz) _ QPSK	
707.5 MHz	

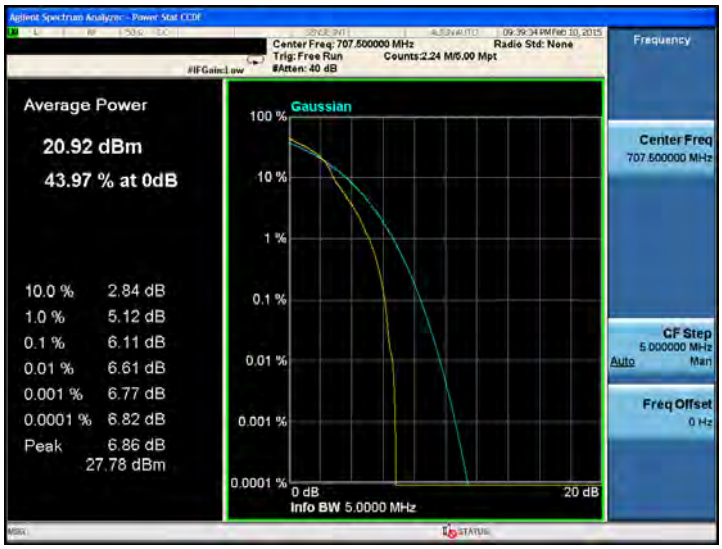
LTE Band 12 (Channel Bandwidth: 3 MHz) _ QPSK	
707.5 MHz	

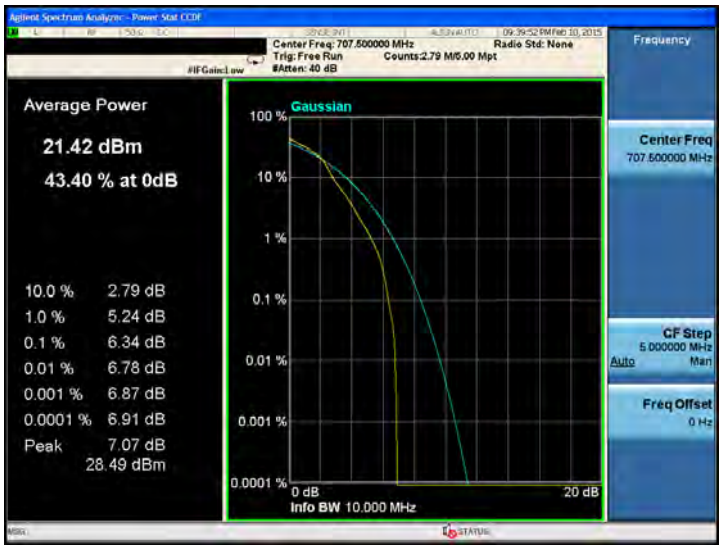
LTE Band 12 (Channel Bandwidth: 5 MHz) _ QPSK	
707.5 MHz	

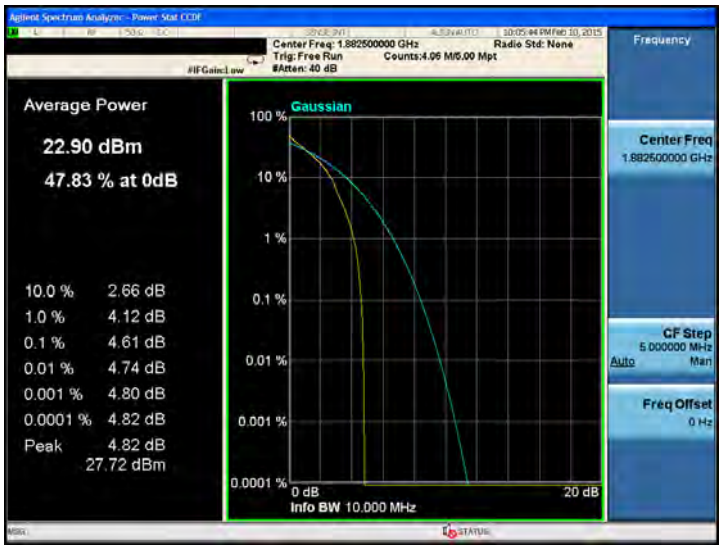
LTE Band 12 (Channel Bandwidth: 10 MHz) _ QPSK	
707.5 MHz	

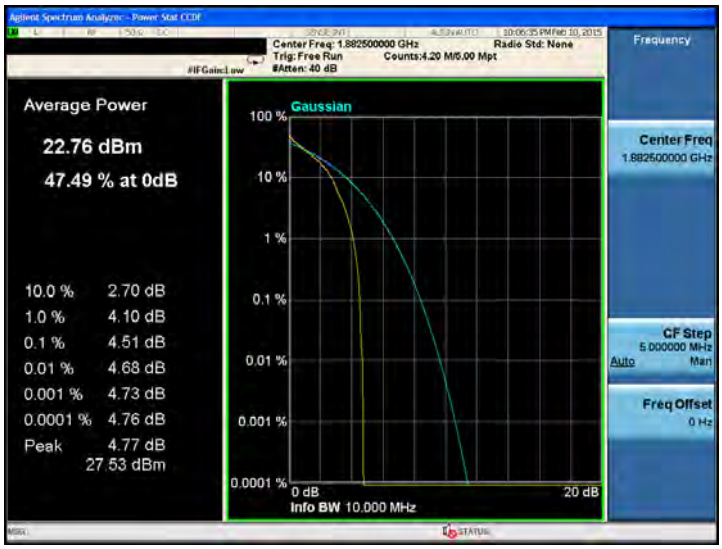
LTE Band 12 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
707.5 MHz	

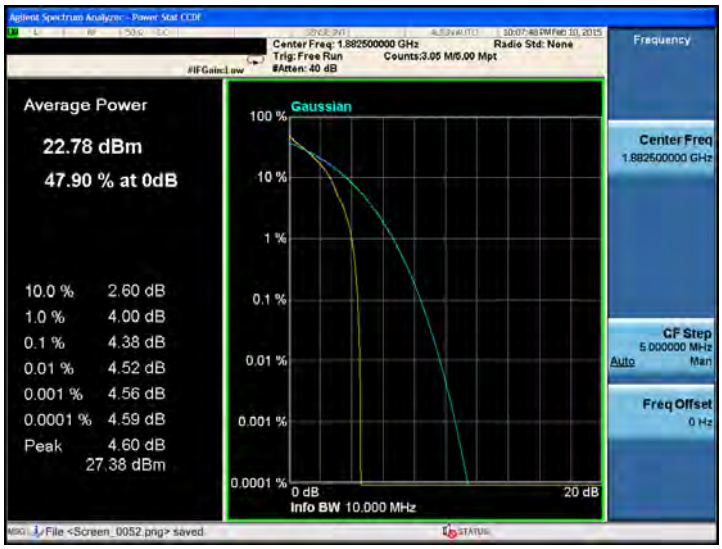
LTE Band 12 (Channel Bandwidth: 3 MHz) _ 16QAM	
707.5 MHz	

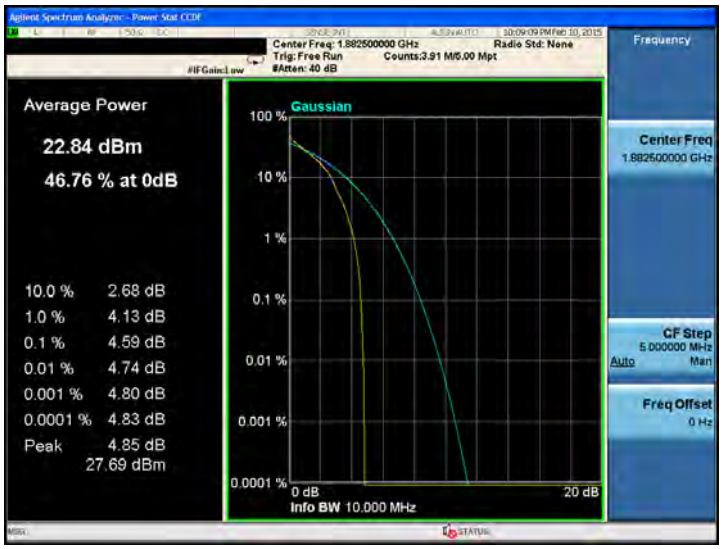
LTE Band 12 (Channel Bandwidth: 5 MHz) _ 16QAM	
707.5 MHz	

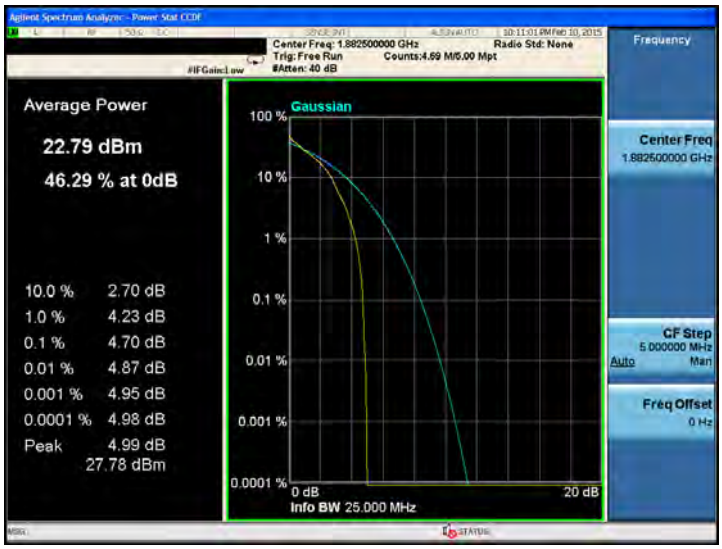
LTE Band 12 (Channel Bandwidth: 10 MHz) _ 16QAM	
707.5 MHz	

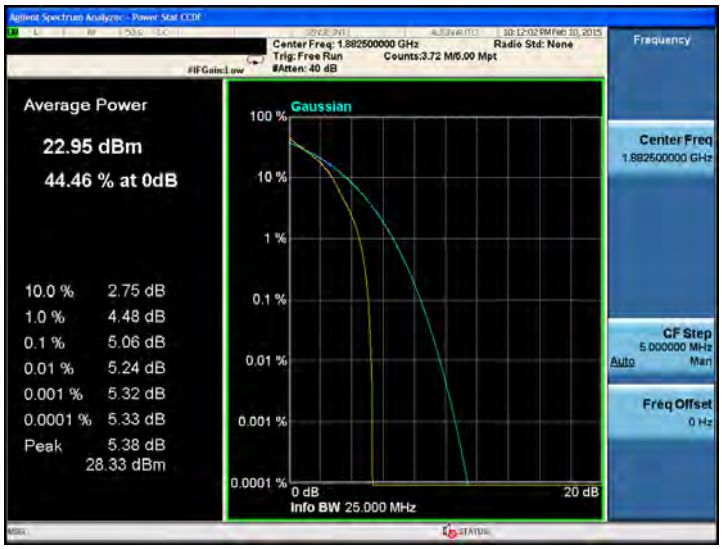
LTE Band 25 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1882.5 MHz	

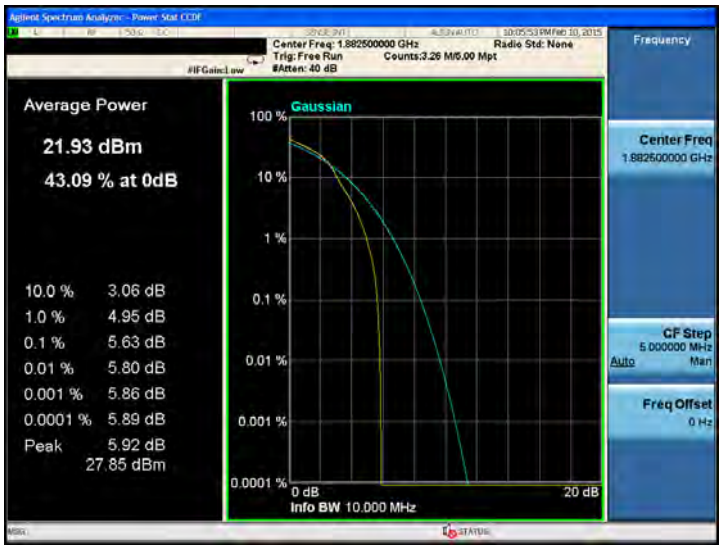
LTE Band 25 (Channel Bandwidth: 3 MHz) _ QPSK	
1882.5 MHz	

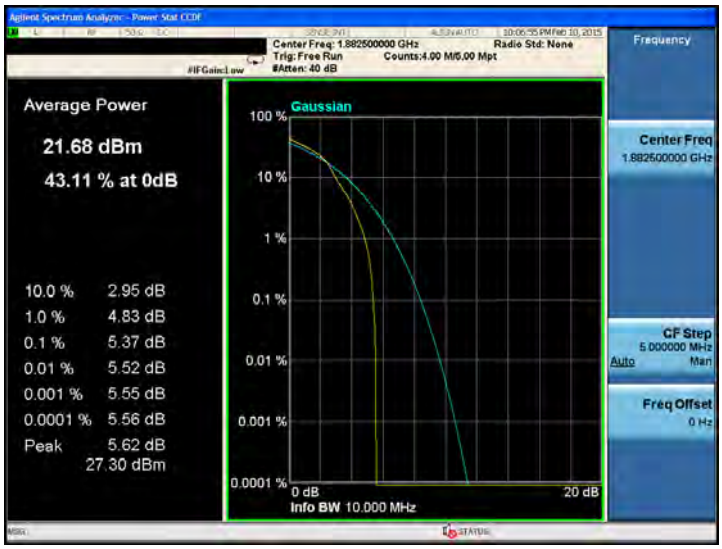
LTE Band 25 (Channel Bandwidth: 5 MHz) _ QPSK	
1882.5 MHz	

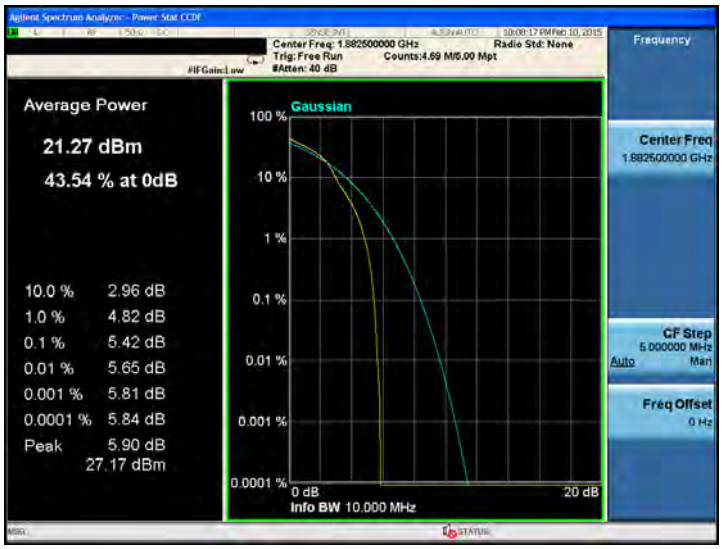
LTE Band 25 (Channel Bandwidth: 10 MHz) _ QPSK	
1882.5 MHz	

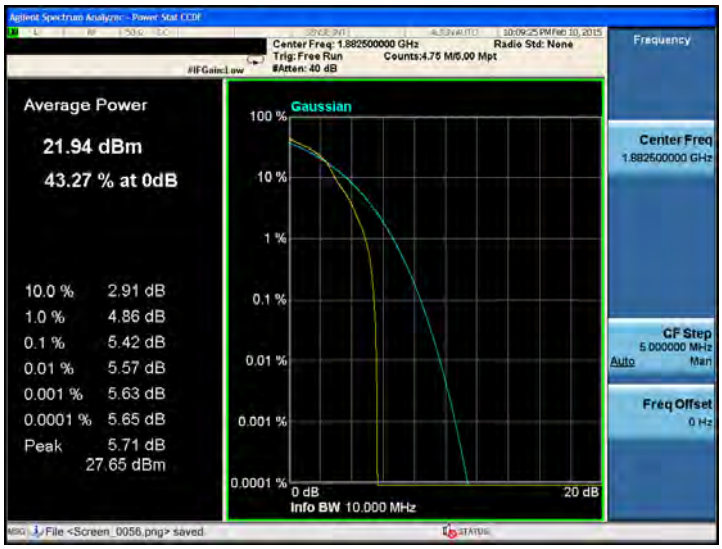
LTE Band 25 (Channel Bandwidth: 15 MHz) _ QPSK	
1882.5 MHz	

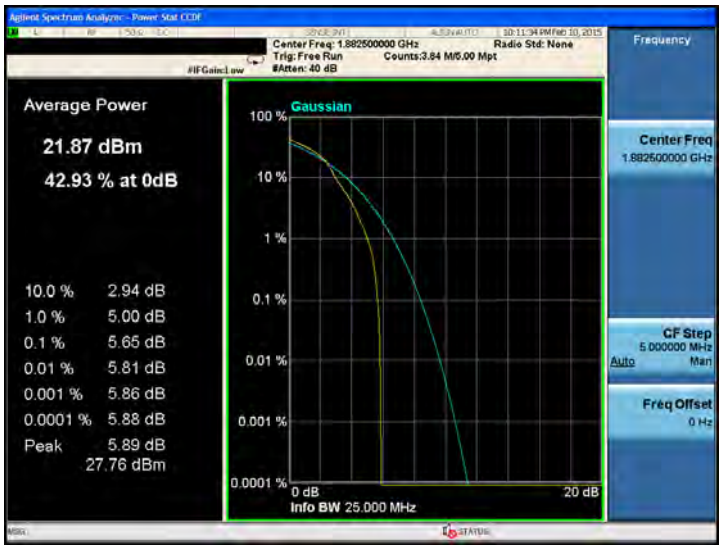
LTE Band 25 (Channel Bandwidth: 20 MHz) _ QPSK	
1882.5 MHz	

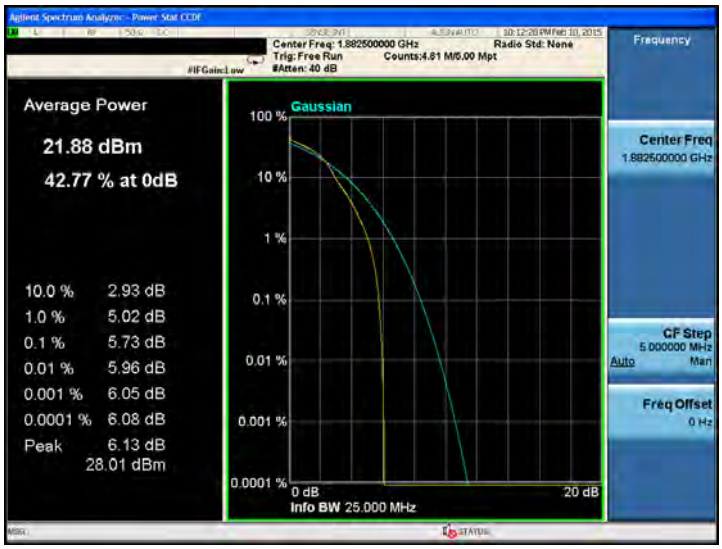
LTE Band 25 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1882.5 MHz	

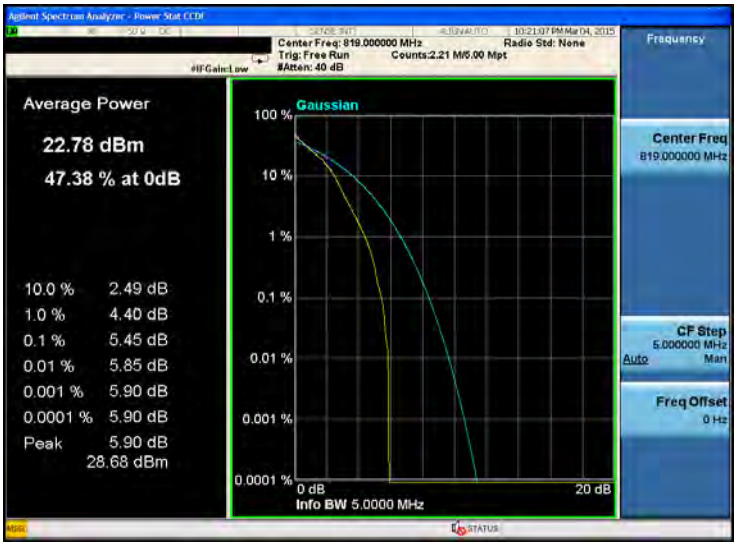
LTE Band 25 (Channel Bandwidth: 3 MHz) _ 16QAM	
1882.5 MHz	

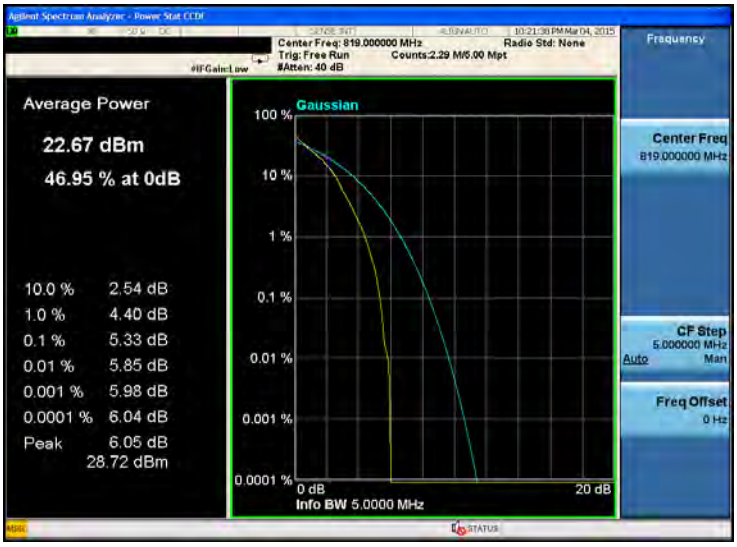
LTE Band 25 (Channel Bandwidth: 5 MHz) _ 16QAM	
1882.5 MHz	

LTE Band 25 (Channel Bandwidth: 10 MHz) _ 16QAM	
1882.5 MHz	

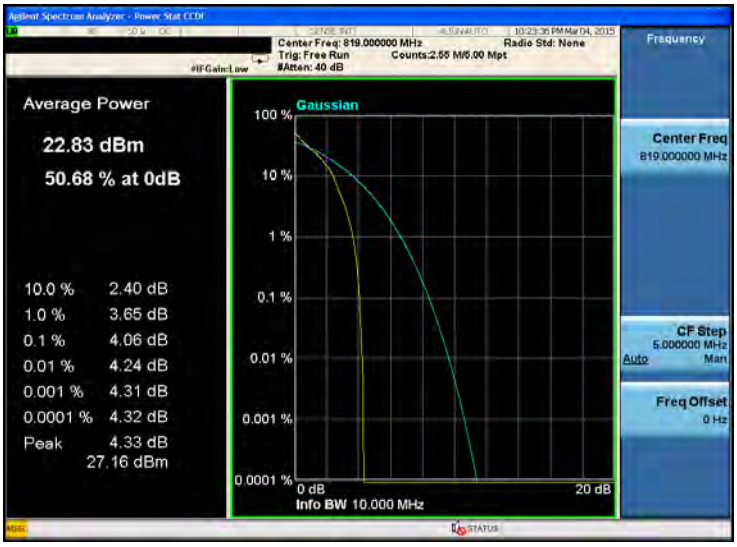
LTE Band 25 (Channel Bandwidth: 15 MHz) _ 16QAM	
1882.5 MHz	

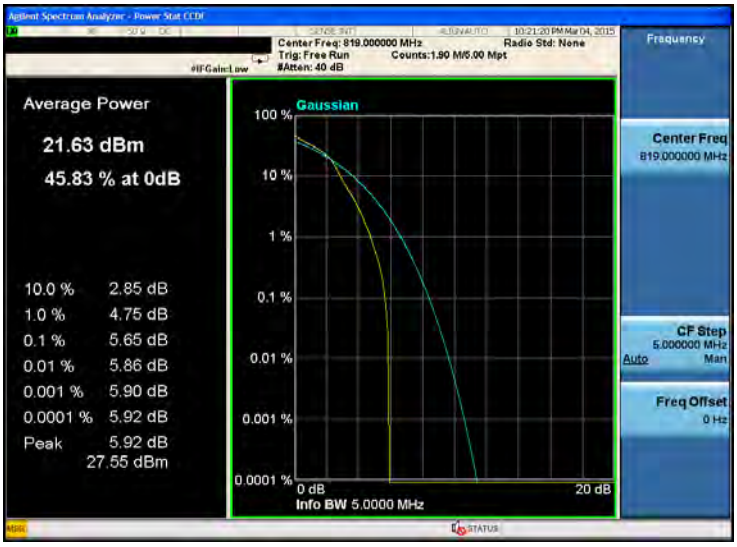
LTE Band 25 (Channel Bandwidth: 20 MHz) _ 16QAM	
1882.5 MHz	

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	

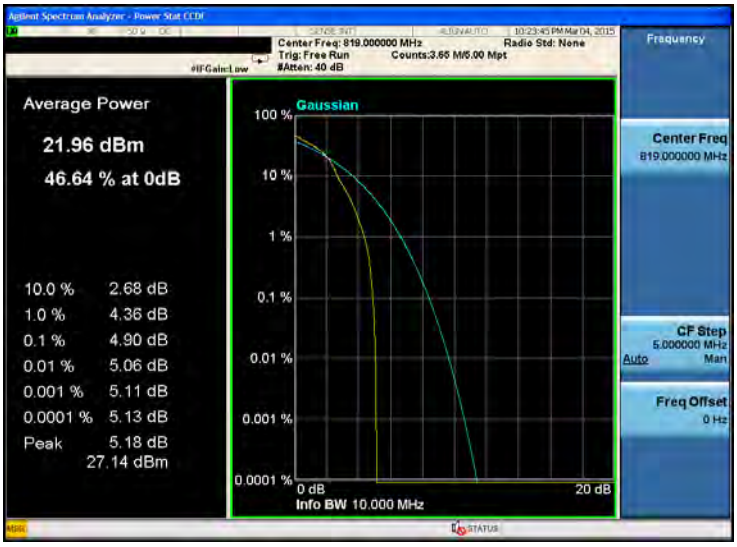
LTE Band 26_Part 90S (Channel Bandwidth: 5 MHz) _ QPSK	
819.0 MHz	

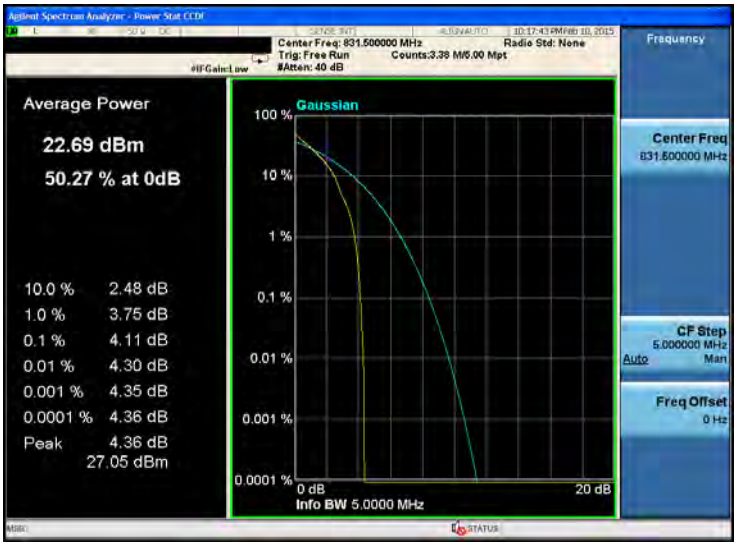
LTE Band 26_Part 90S (Channel Bandwidth: 10 MHz) _ QPSK	
819.0 MHz	

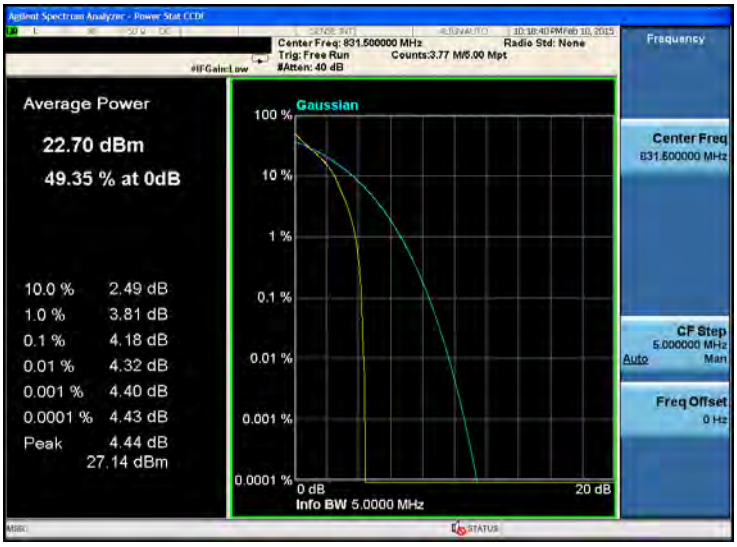
LTE Band 26_Part 90S (Channel Bandwidth: 1.4 MHz) _ 16QAM	
819.0 MHz	

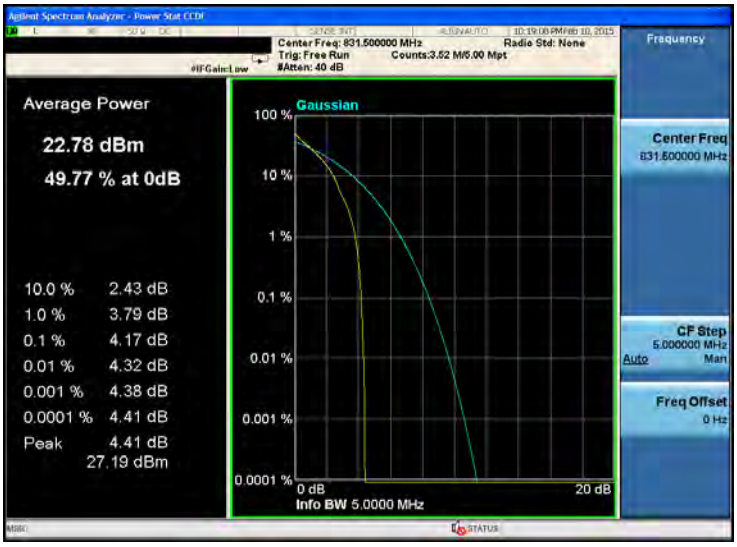
LTE Band 26_Part 90S (Channel Bandwidth: 3 MHz) _ 16QAM	
819.0 MHz	

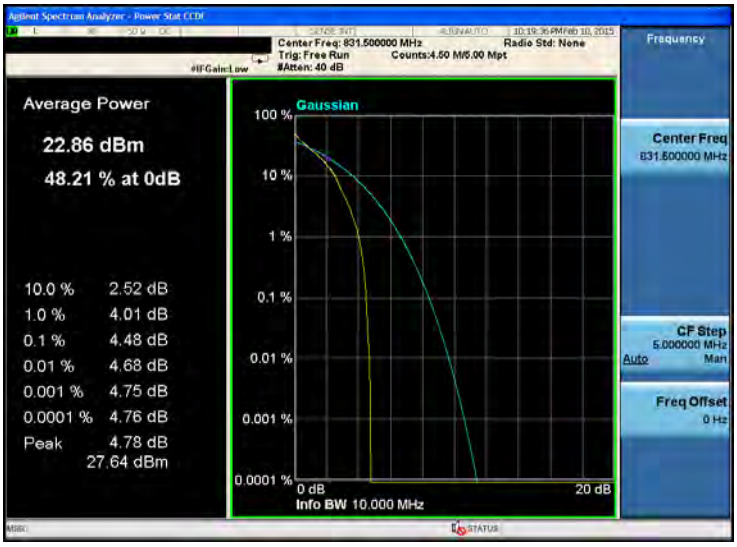
LTE Band 26_Part 90S (Channel Bandwidth: 5 MHz) _ 16QAM	
819.0 MHz	

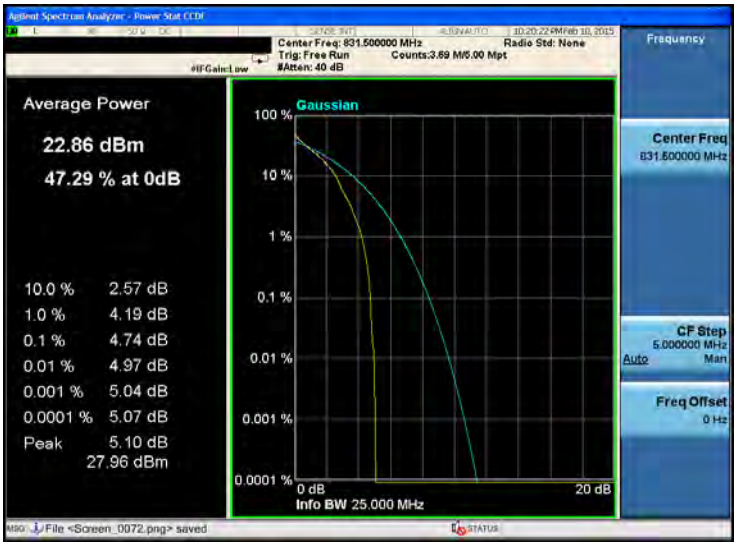
LTE Band 26_Part 90S (Channel Bandwidth: 10 MHz) _ 16QAM	
819.0 MHz	

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

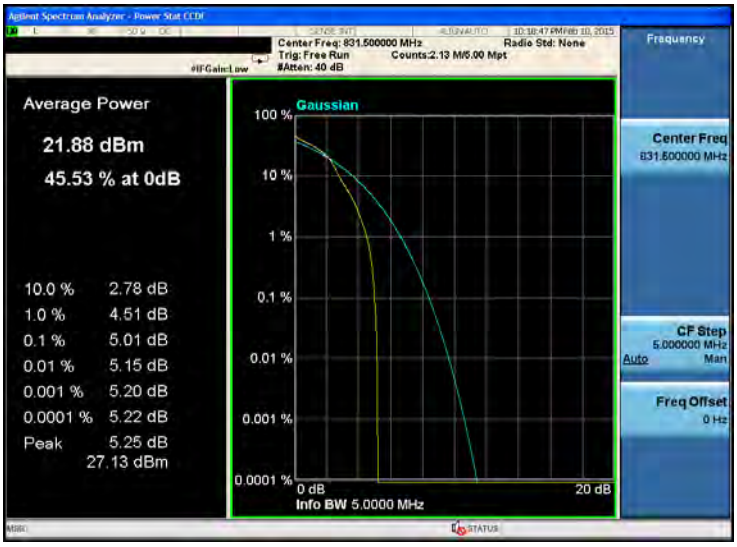
LTE Band 26_Part 22H (Channel Bandwidth: 3 MHz) _ QPSK	
831.5 MHz	

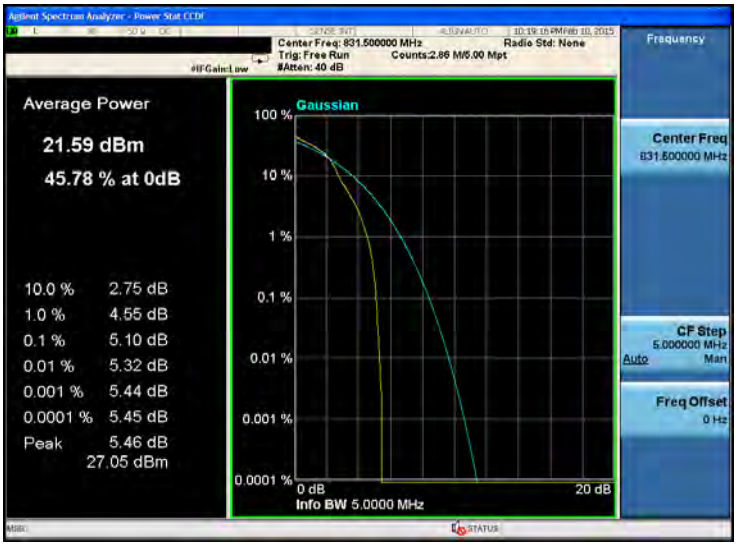
LTE Band 26_Part 22H (Channel Bandwidth: 5 MHz) _ QPSK	
831.5 MHz	

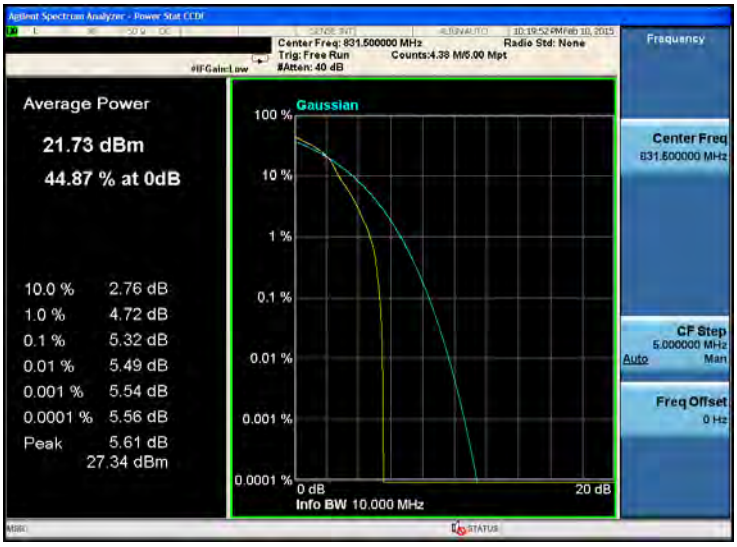
LTE Band 26_Part 22H (Channel Bandwidth: 10 MHz) _ QPSK	
831.5 MHz	

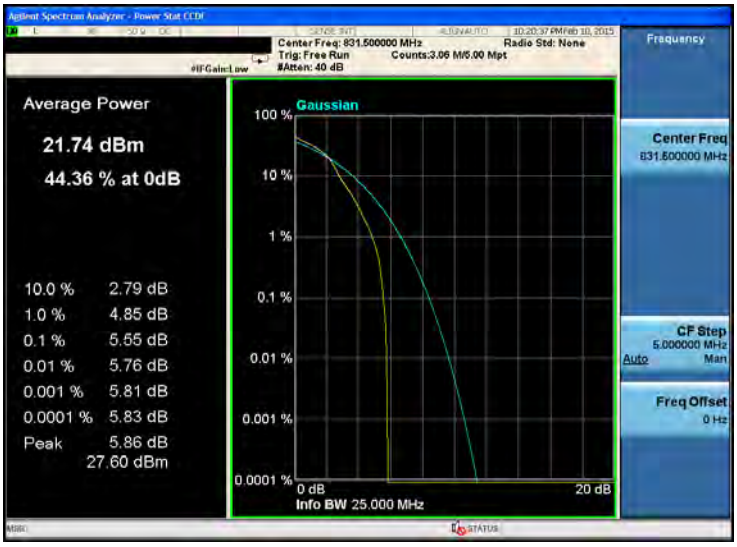
LTE Band 26_Part 22H (Channel Bandwidth: 15 MHz) _ QPSK	
831.5 MHz	

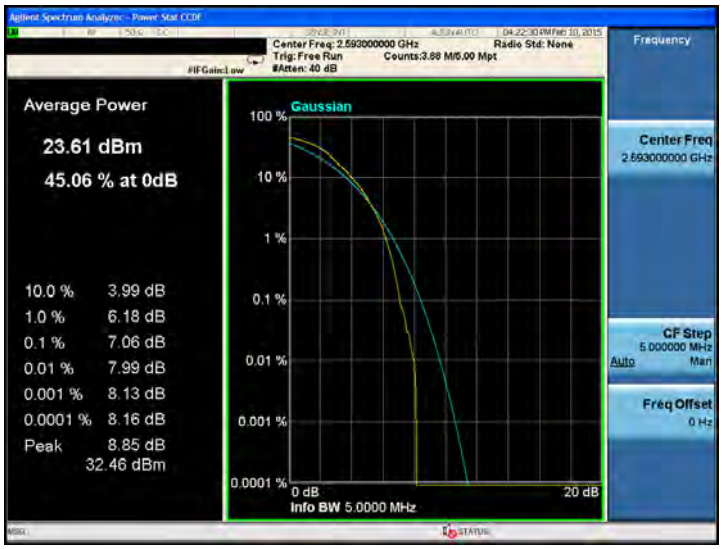
LTE Band 26_Part 22H (Channel Bandwidth: 1.4 MHz) _ 16QAM	
831.5 MHz	

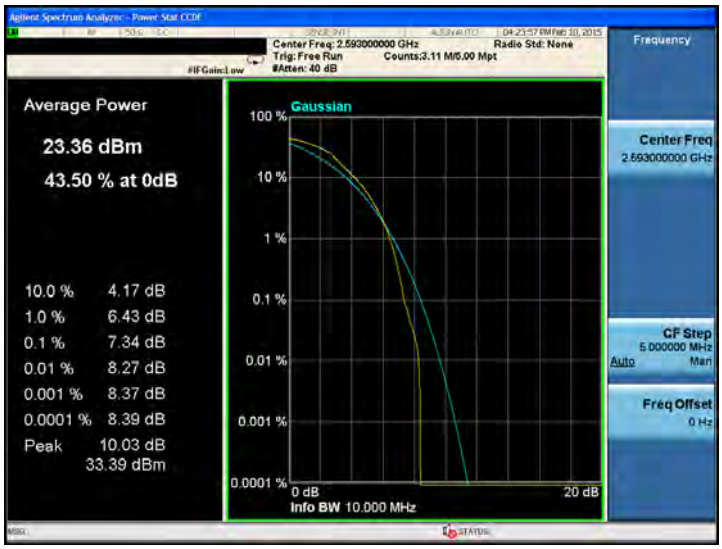
LTE Band 26_Part 22H (Channel Bandwidth: 3 MHz) _ 16QAM	
831.5 MHz	

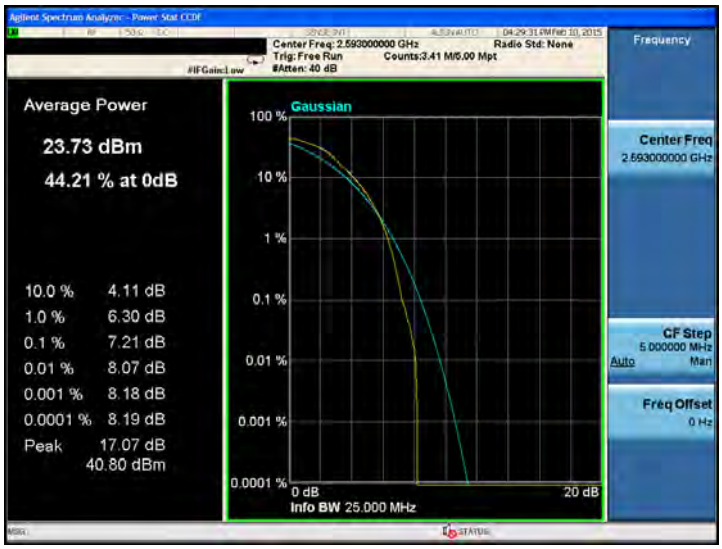
LTE Band 26_Part 22H (Channel Bandwidth: 5 MHz) _ 16QAM	
831.5 MHz	

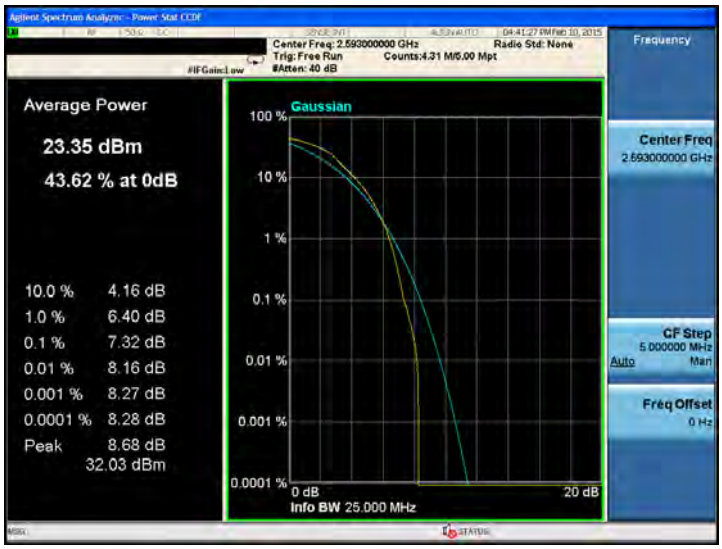
LTE Band 26_Part 22H (Channel Bandwidth: 10 MHz) _ 16QAM	
831.5 MHz	

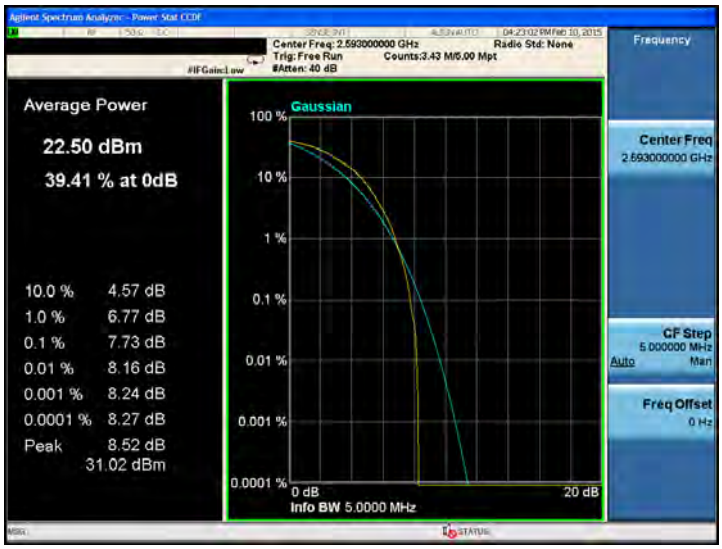
LTE Band 26_Part 22H (Channel Bandwidth: 15 MHz) _ 16QAM	
831.5 MHz	

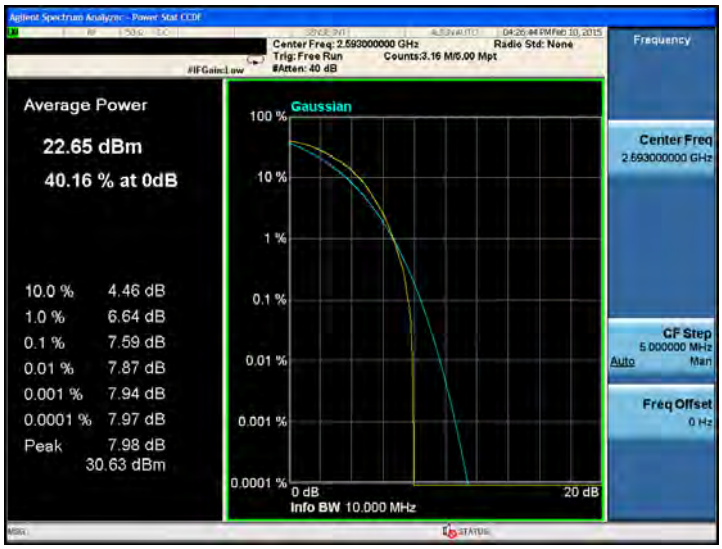
LTE Band 41 (Channel Bandwidth: 5 MHz) _ QPSK	
2593.0 MHz	

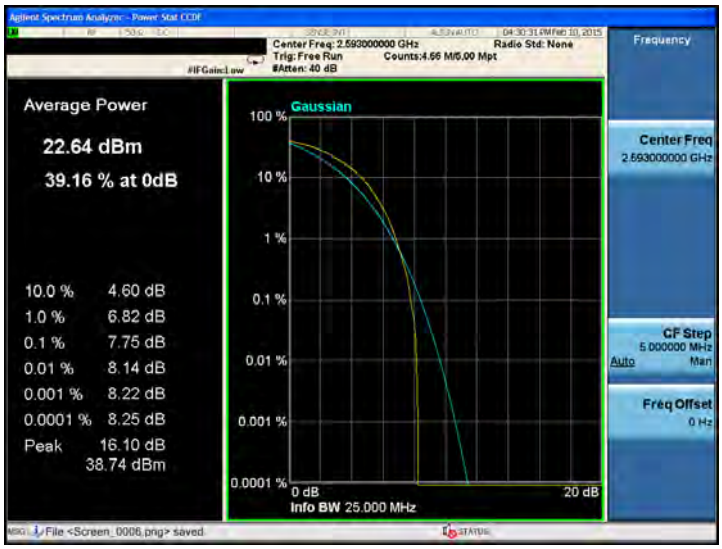
LTE Band 41 (Channel Bandwidth: 10 MHz) _ QPSK	
2593.0 MHz	

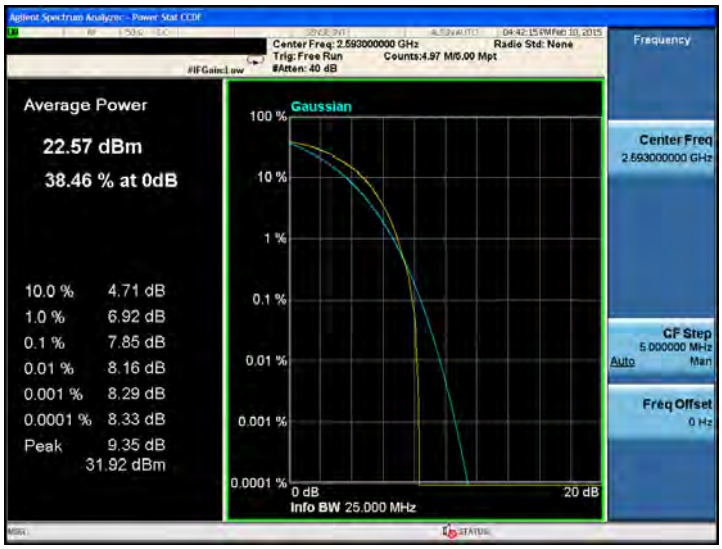
LTE Band 41 (Channel Bandwidth: 15 MHz) _ QPSK	
2593.0 MHz	

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 + 10log(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 + 10log10(P) dB at the channel edge and 55 + 10log10(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 + 10log10 (P[Watts]) at Band Edge and for all out-of-band emissions within 37.5Khz of Block Edge.

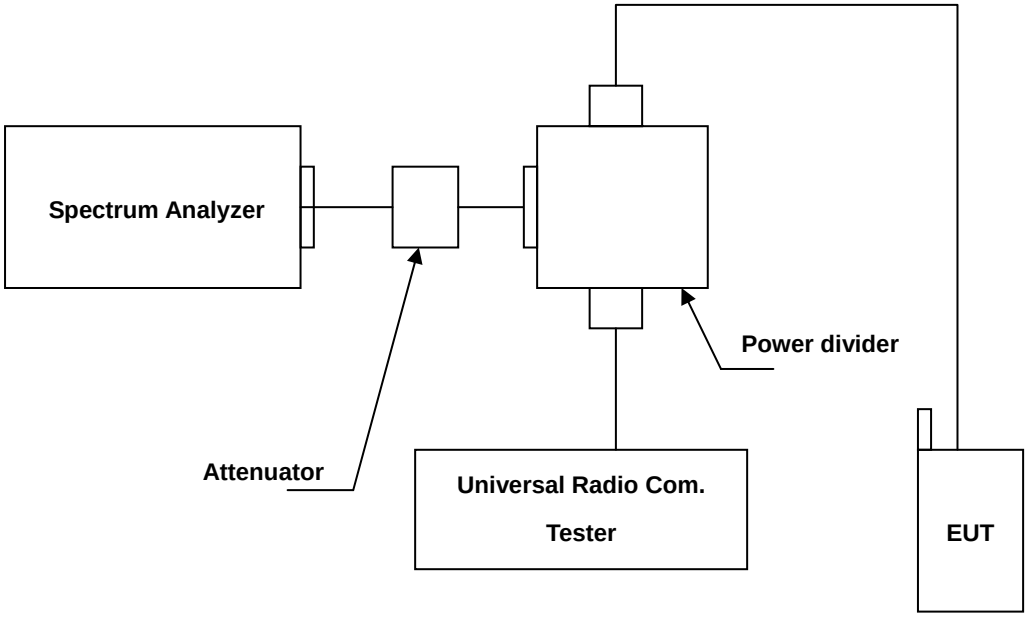
7.2. Test Instruments

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	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

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

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

7.3. Setup



7.4. Test Procedure

The measurement is made according to FCC rules:

a. The EUT was set up for the maximum peak power with LTE/WCDMA link data modulation. The power was measured with R&S Spectrum Analyzer. All measurements were done at 2 channels (low and high operational frequency range.)

b. The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer. This splitter loss and cable loss are the worst loss 7.2 dB in the transmitted path track.

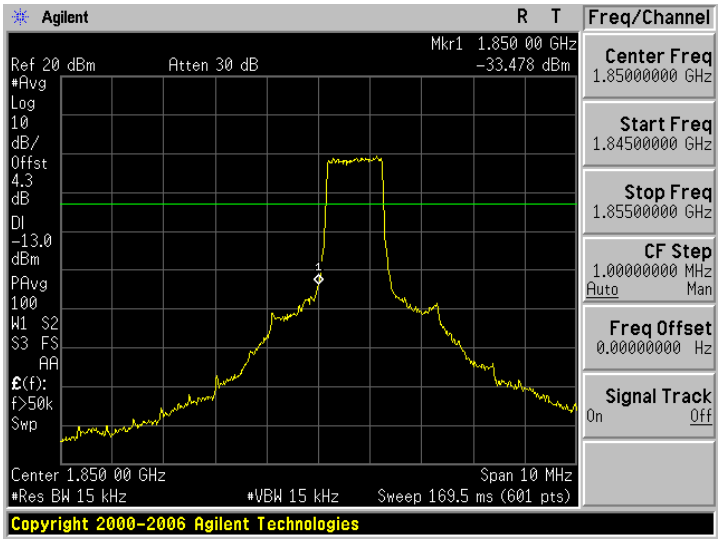
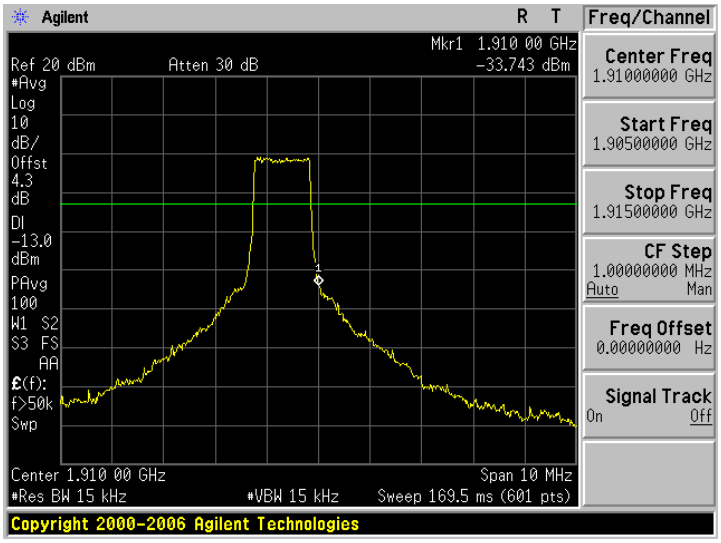
c. The center frequency of spectrum is the band edge frequency and span is 10 MHz. RB of the resolution bandwidth of at least one percent of the emission bandwidth.

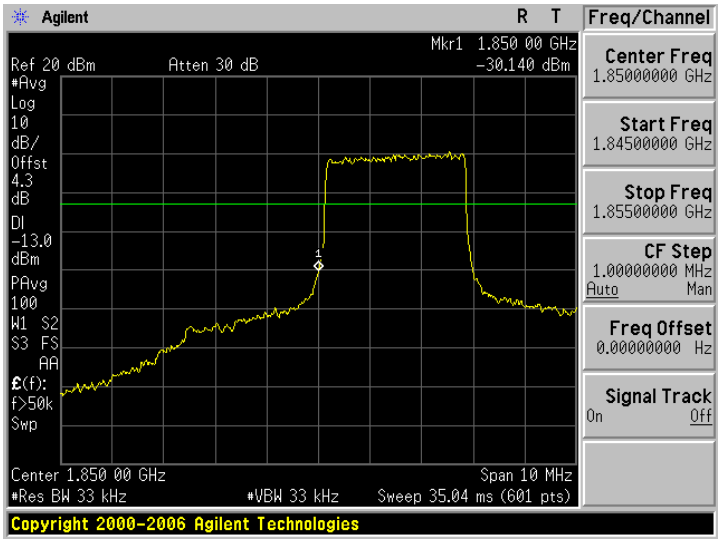
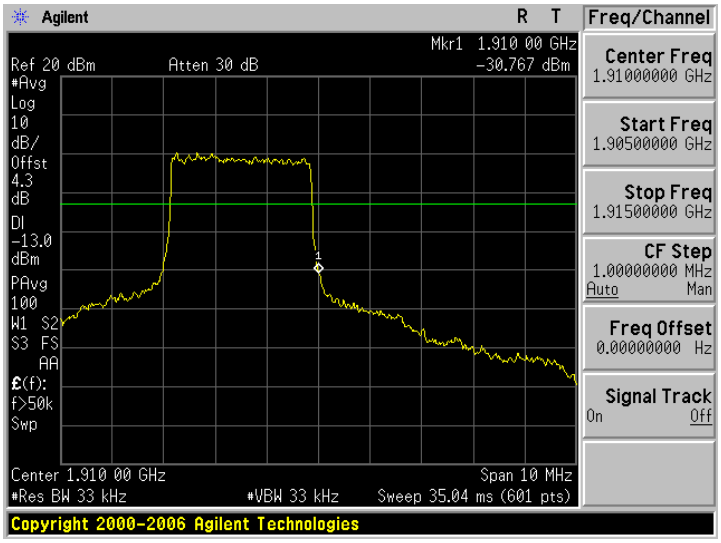
d. Record the max trace plot into the test report.

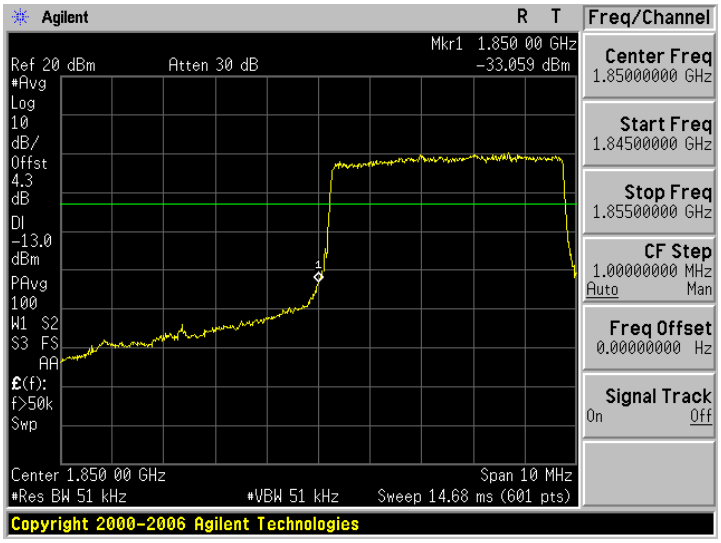
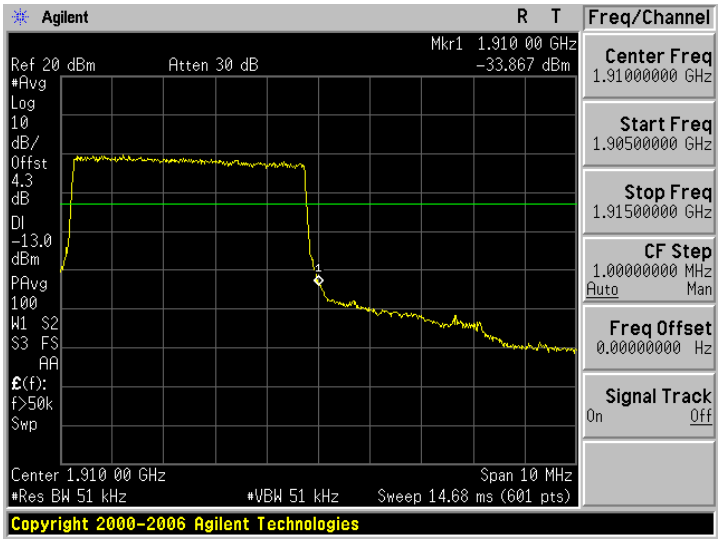
7.5. Uncertainty

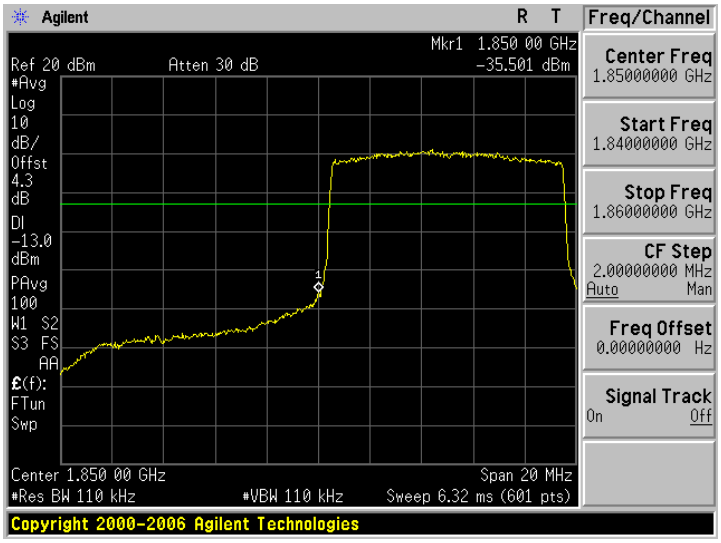
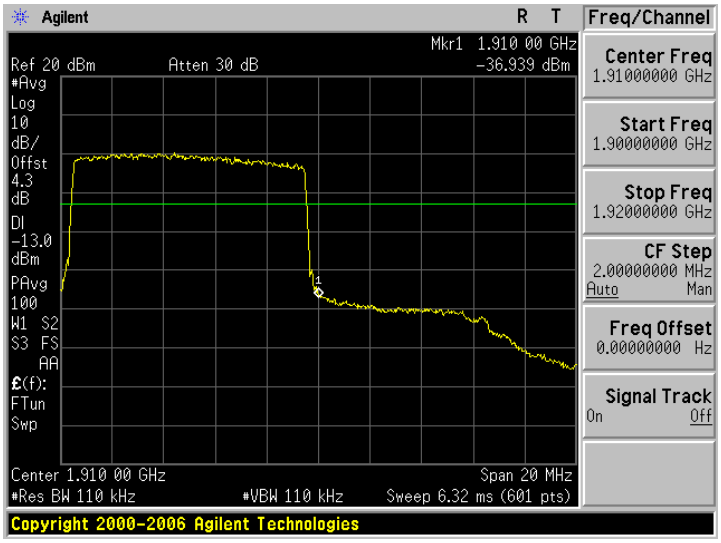
The measurement uncertainty is defined as for Conducted Power measurement is 1.2 dB.

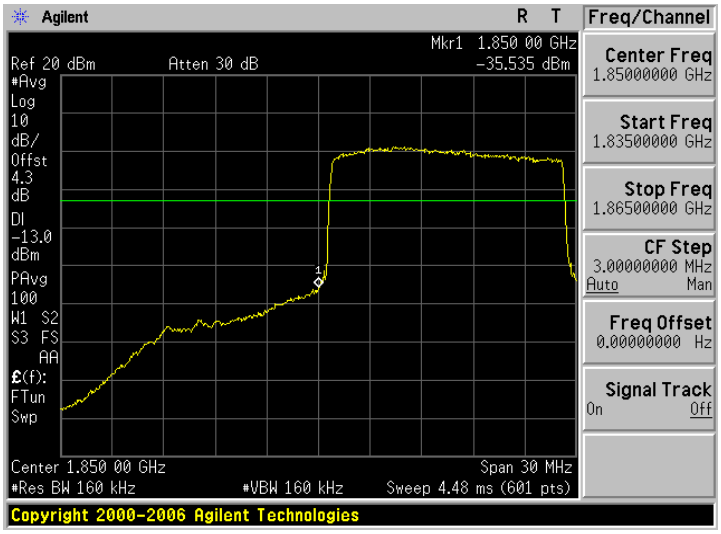
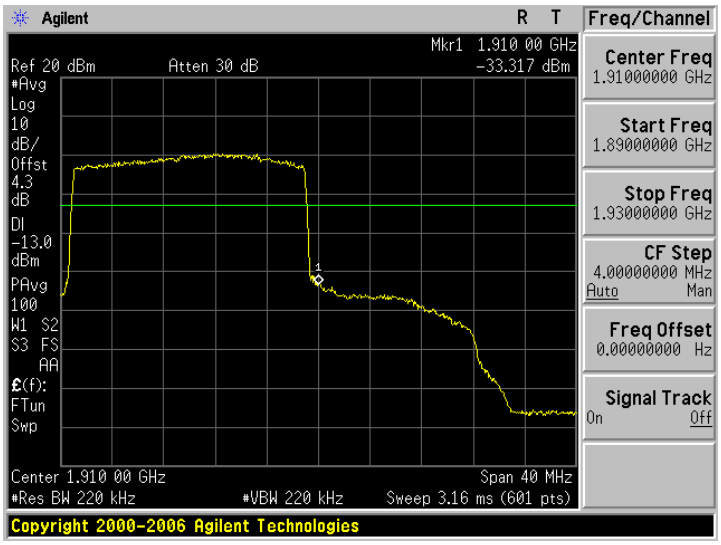
7.6. Test Result

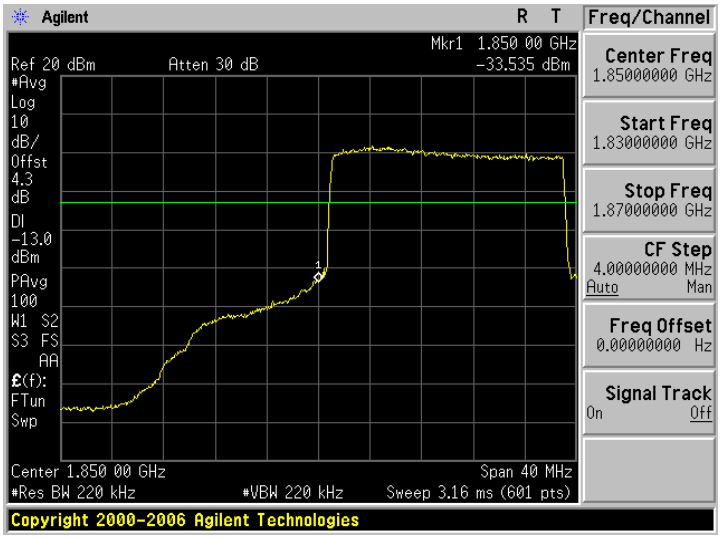
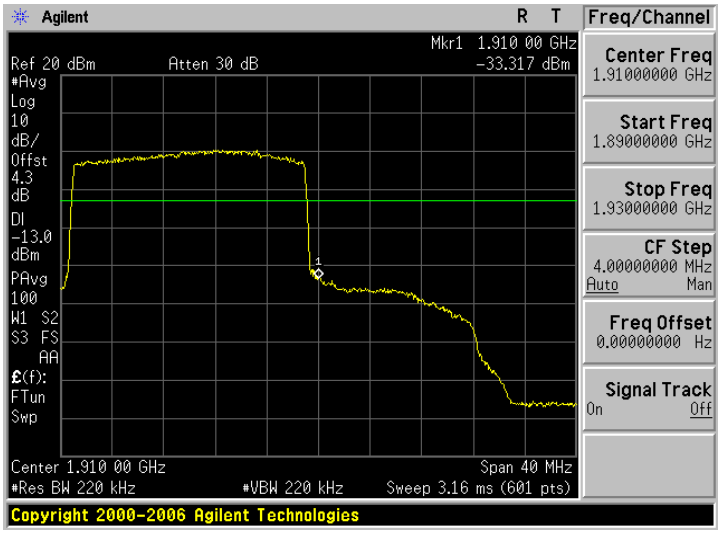
Frequency	LTE Band 2	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

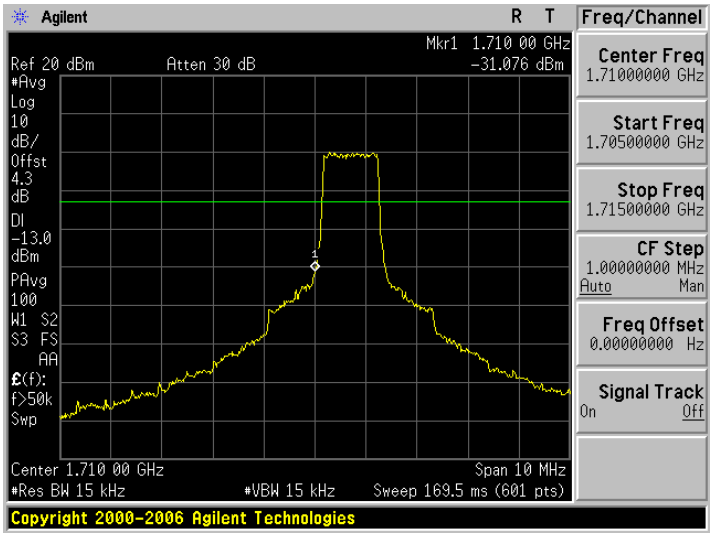
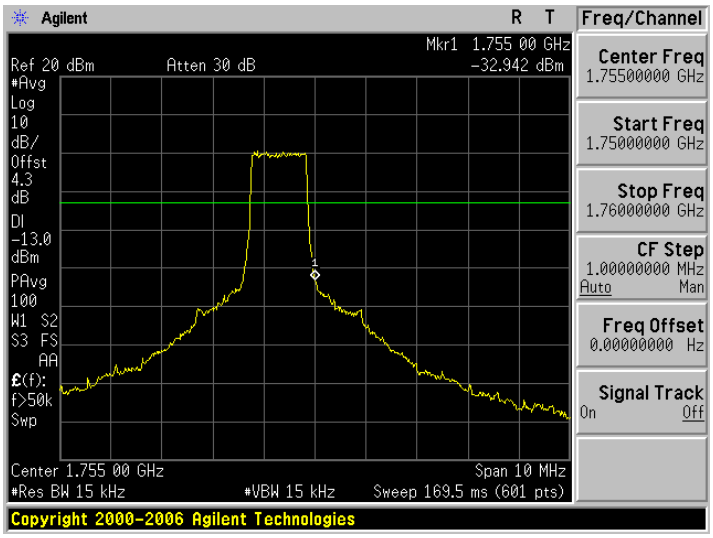
Frequency	LTE Band 2	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge					
Higher Band Edge					

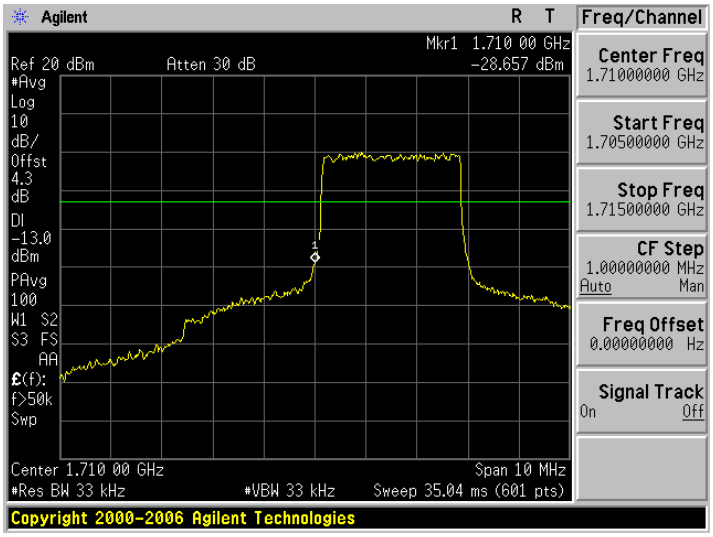
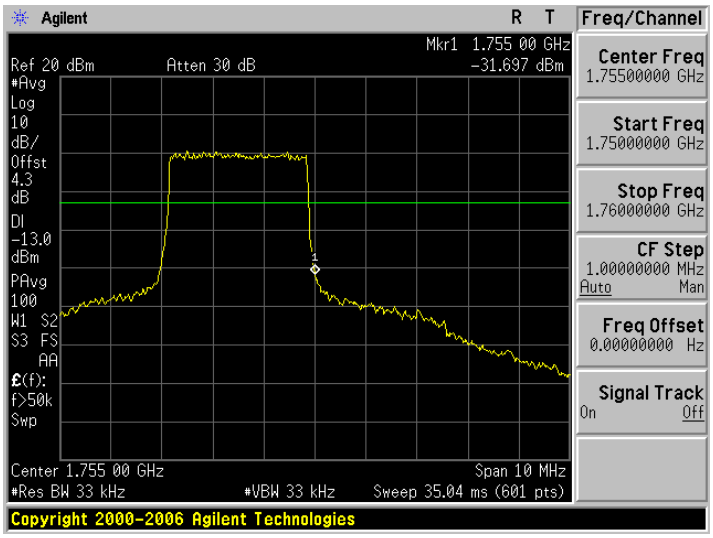
Frequency	LTE Band 2	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
Higher Band Edge					

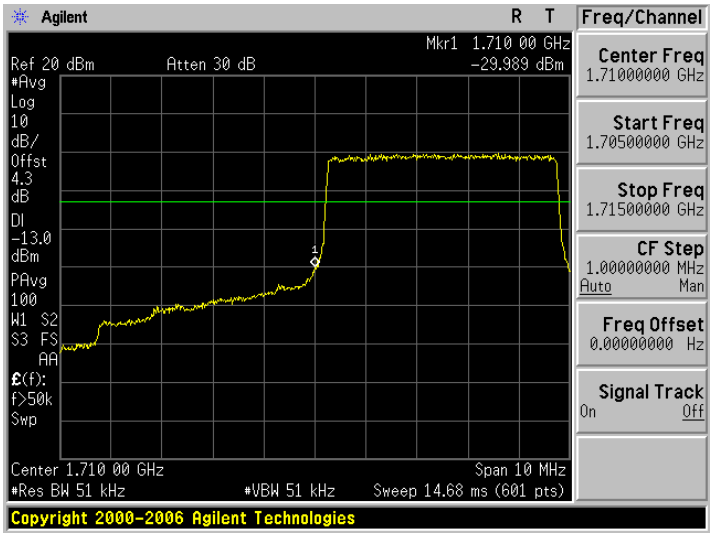
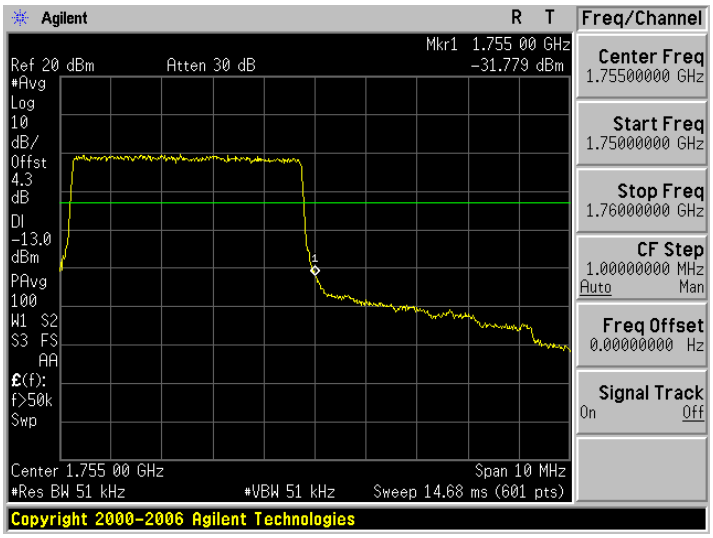
Frequency	LTE Band 2	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
Higher Band Edge					

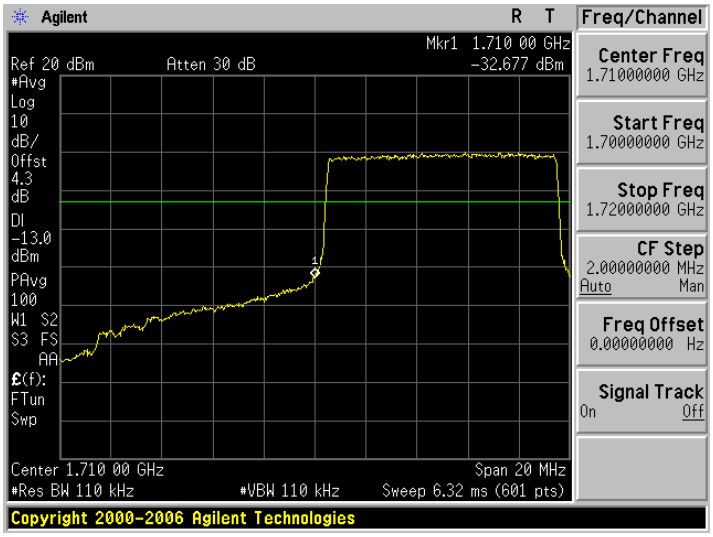
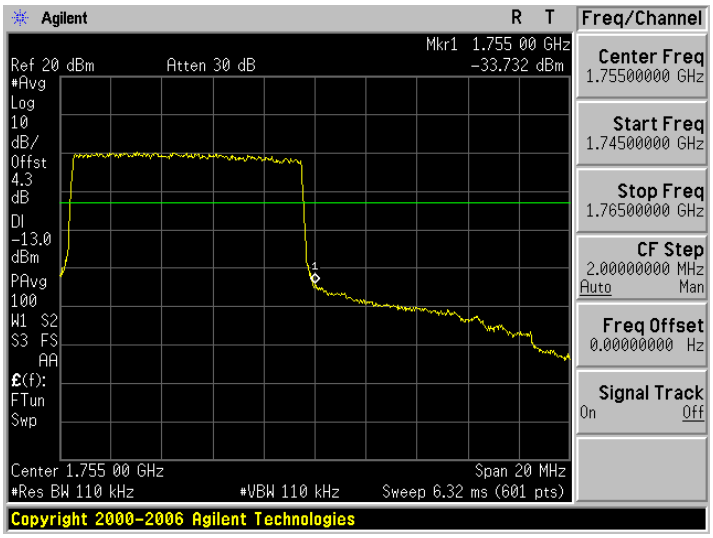
Frequency	LTE Band 2	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge					
Higher Band Edge					

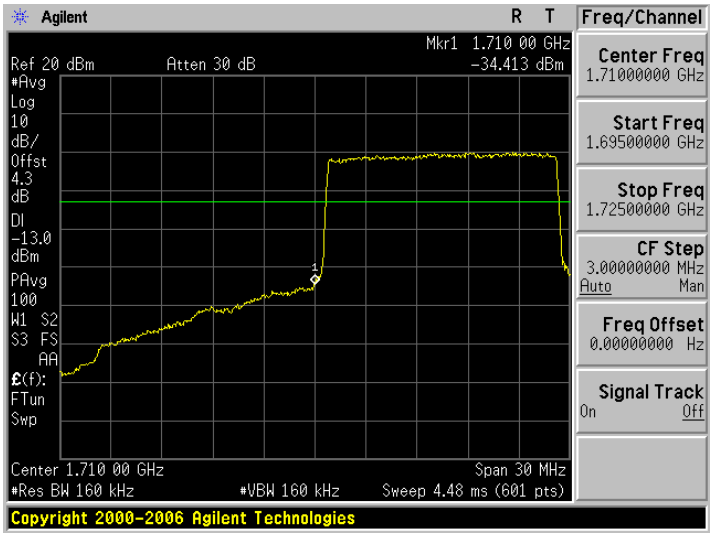
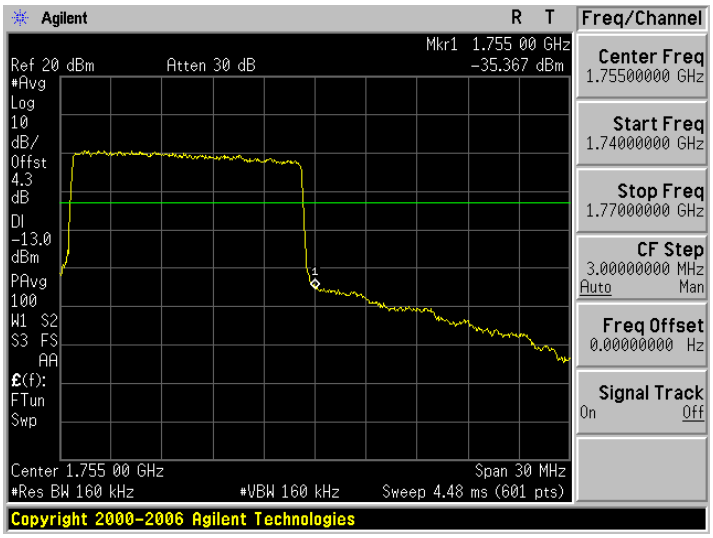
Frequency	LTE Band 2	Channel Bandwidth	20 MHz	RB Allocated	100
Lower Band Edge					
Higher Band Edge					

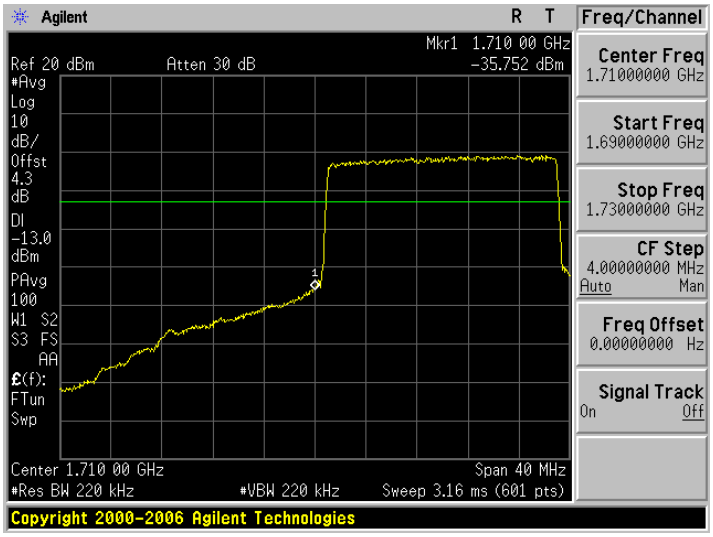
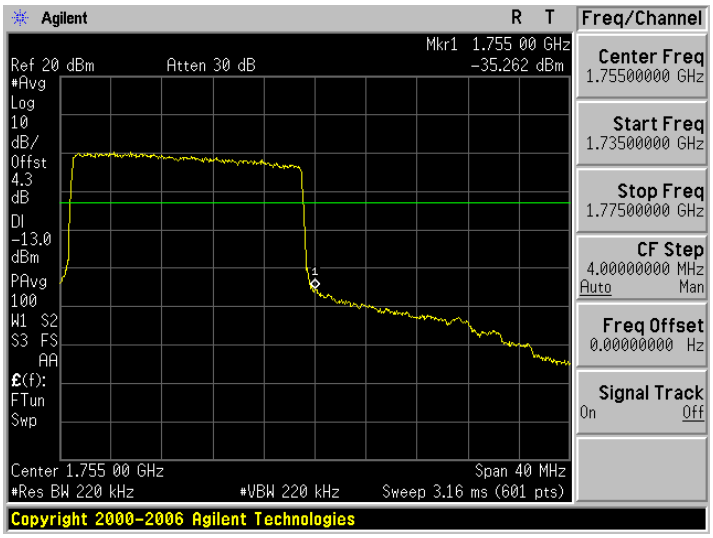
Frequency	LTE Band 4	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

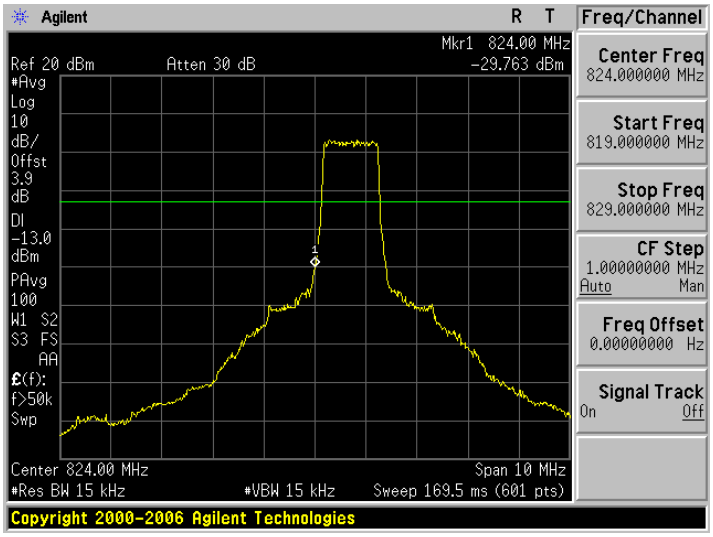
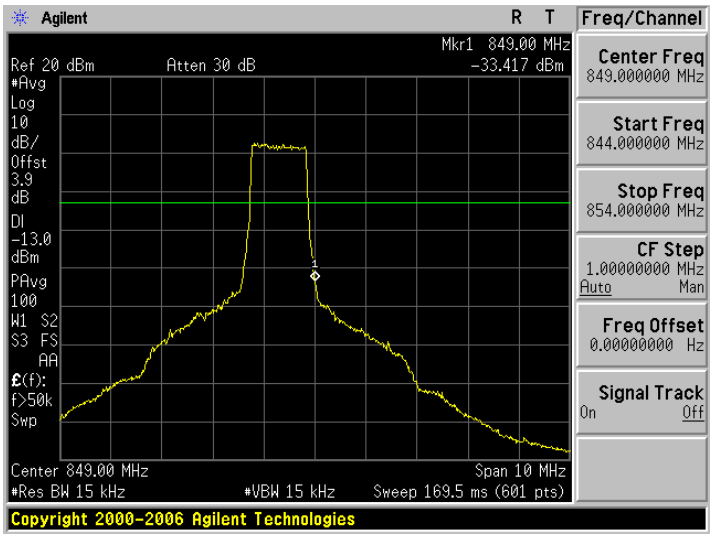
Frequency	LTE Band 4	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge					
Higher Band Edge					

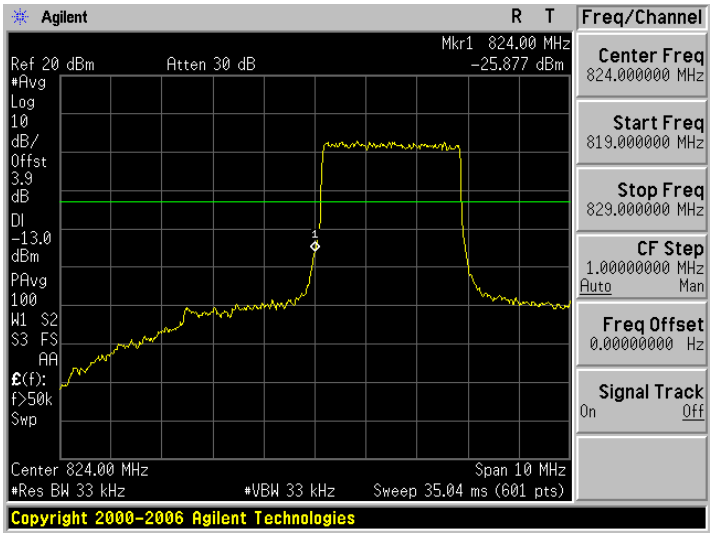
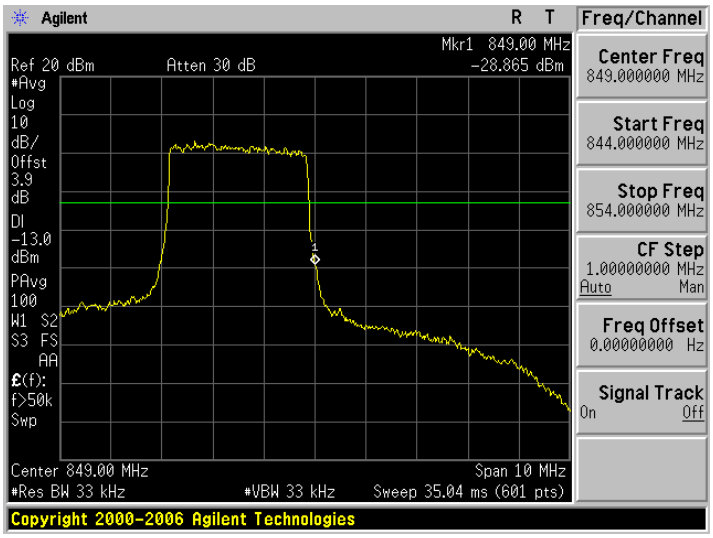
Frequency	LTE Band 4	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
Higher Band Edge					

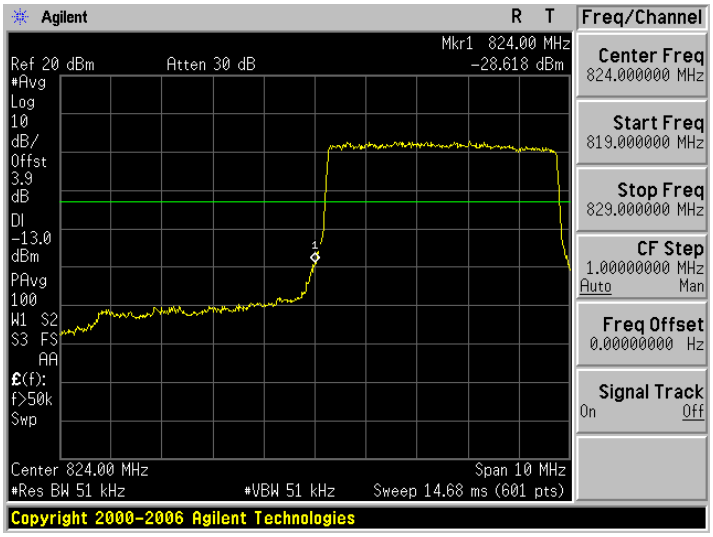
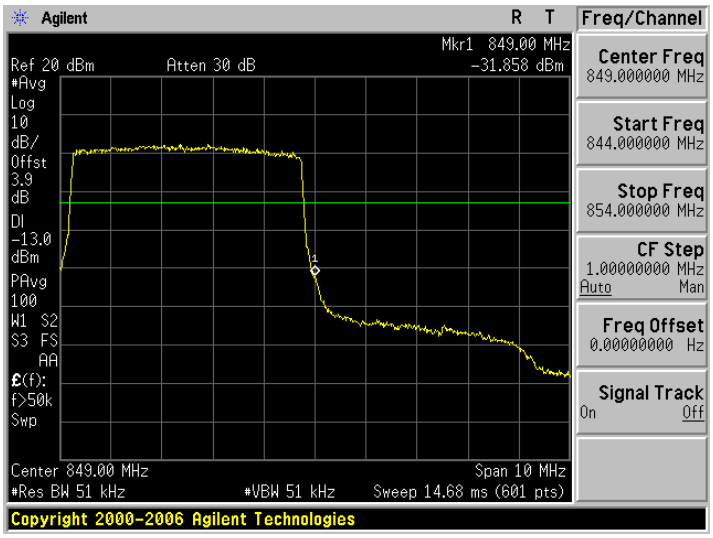
Frequency	LTE Band 4	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
Higher Band Edge					

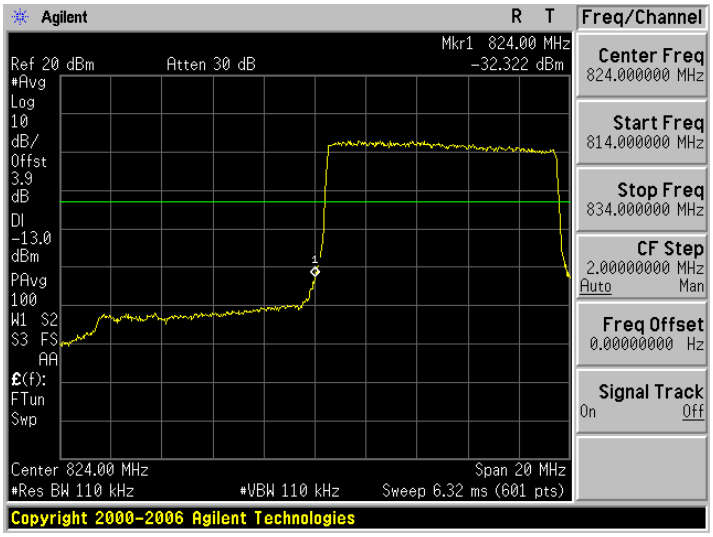
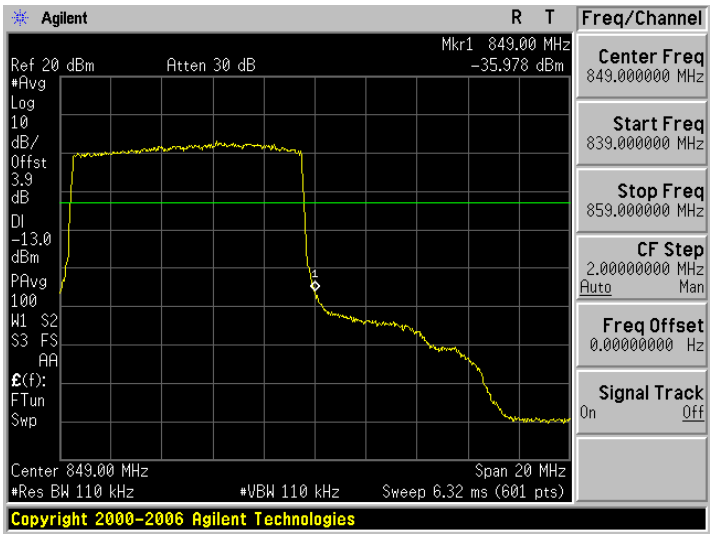
Frequency	LTE Band 5	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge					
Higher Band Edge					

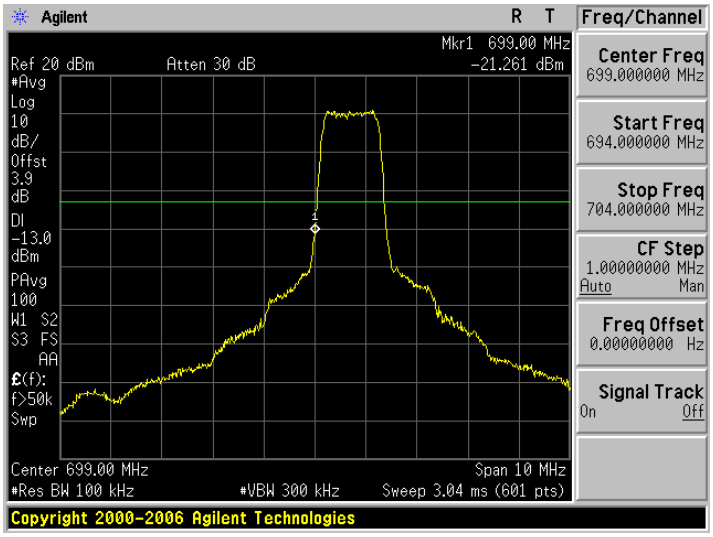
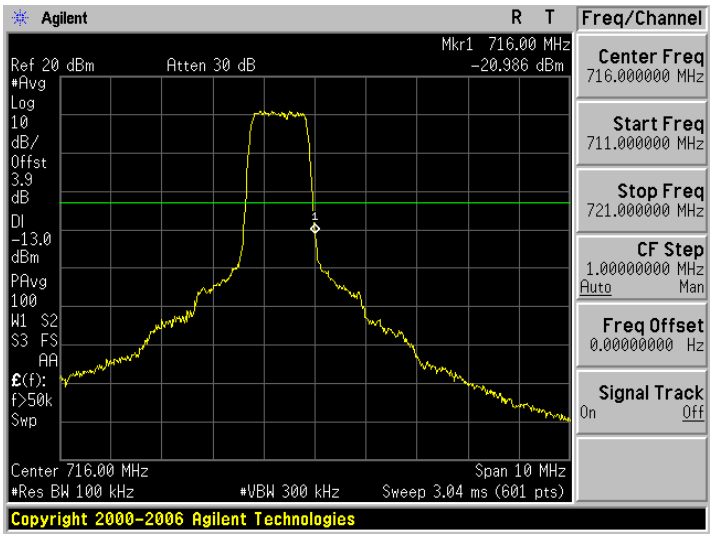
Frequency	LTE Band 4	Channel Bandwidth	20 MHz	RB Allocated	100
Lower Band Edge					
Higher Band Edge					

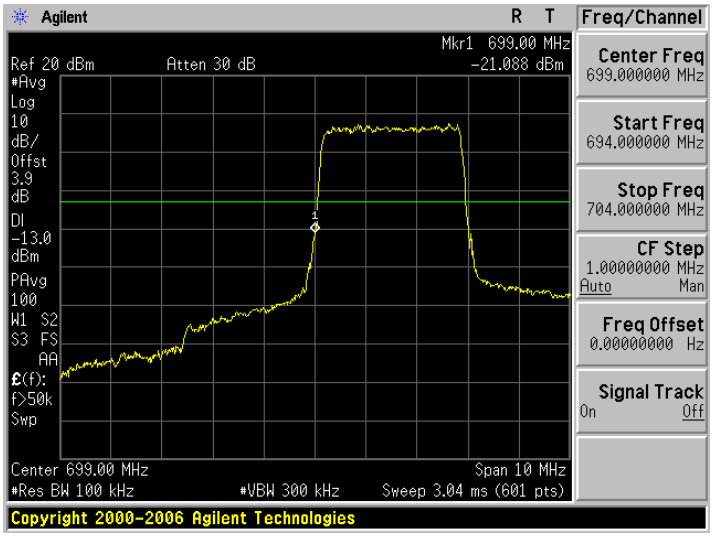
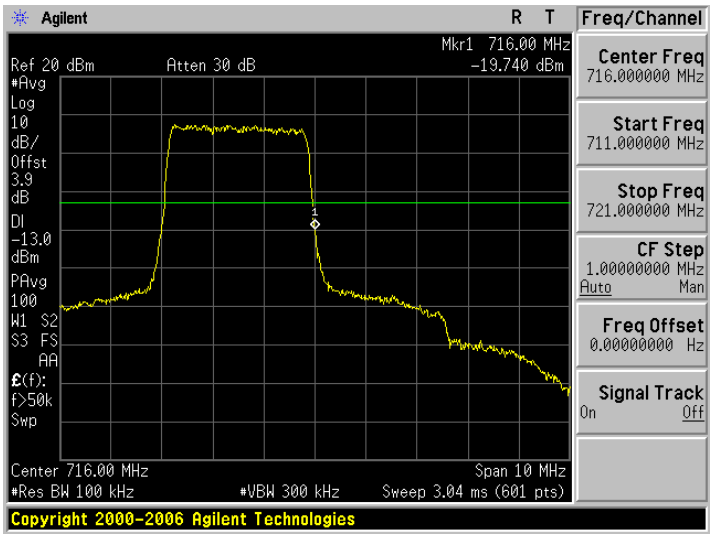
Frequency	LTE Band 5	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

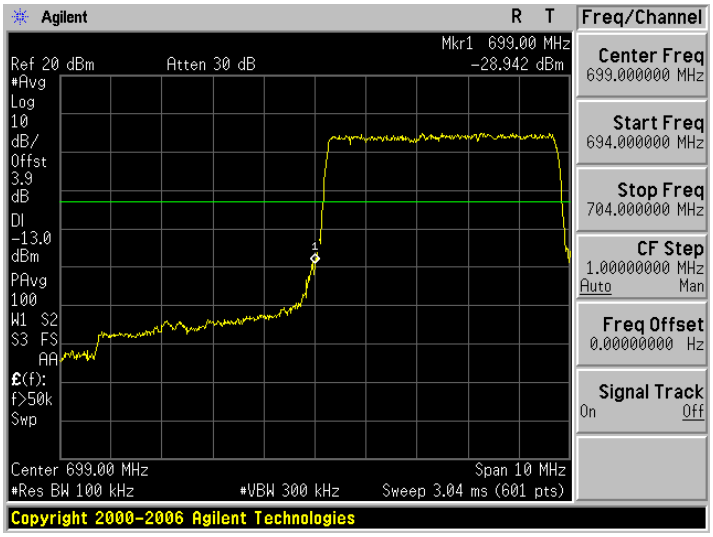
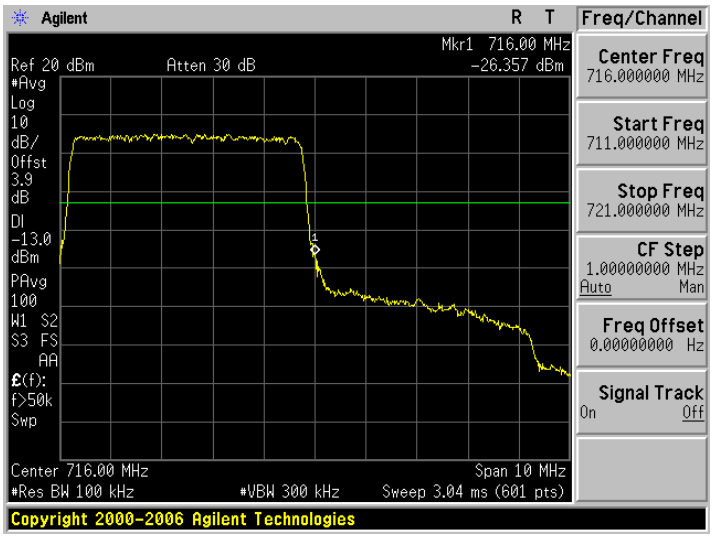
Frequency	LTE Band 5	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge					
Higher Band Edge					

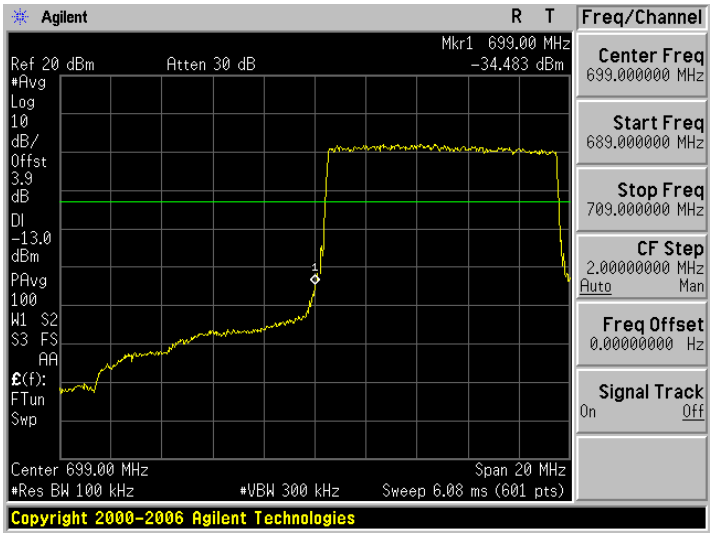
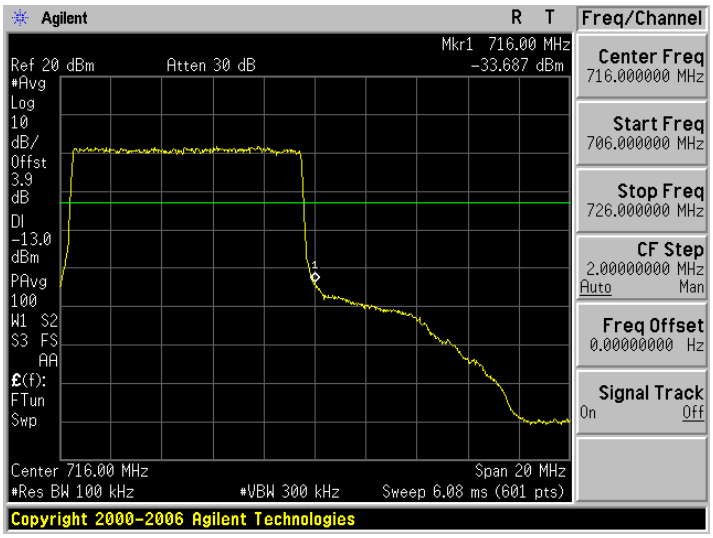
Frequency	LTE Band 5	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
Higher Band Edge					

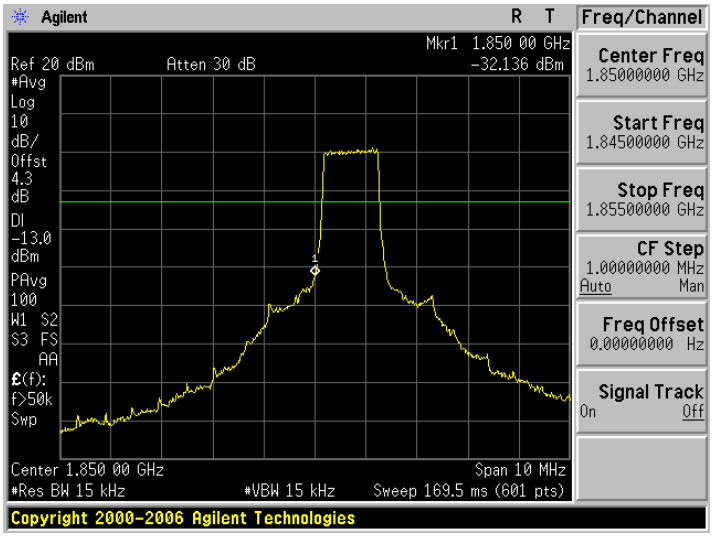
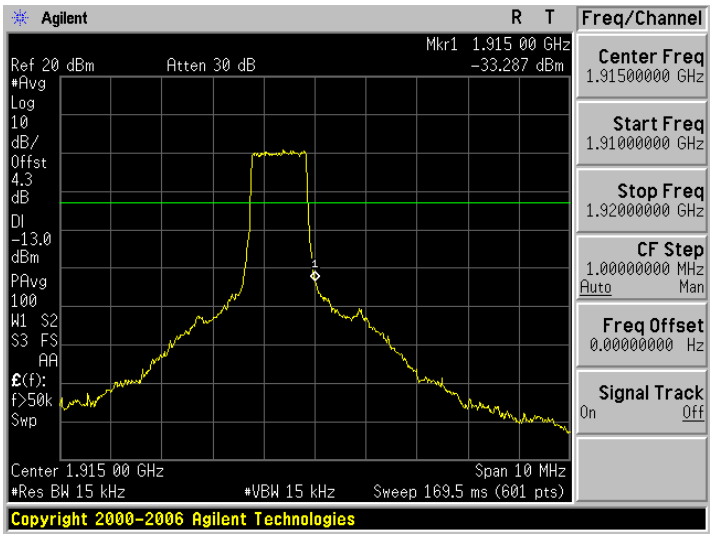
Frequency	LTE Band 5	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
Higher Band Edge					

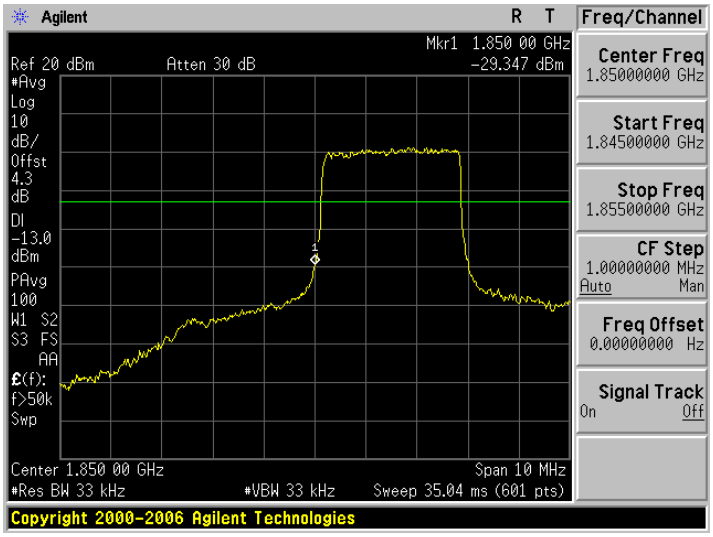
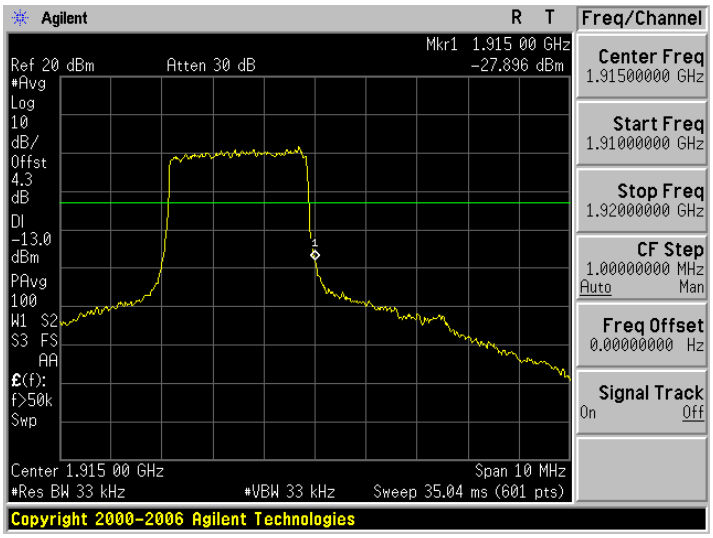
Frequency	LTE Band 12	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

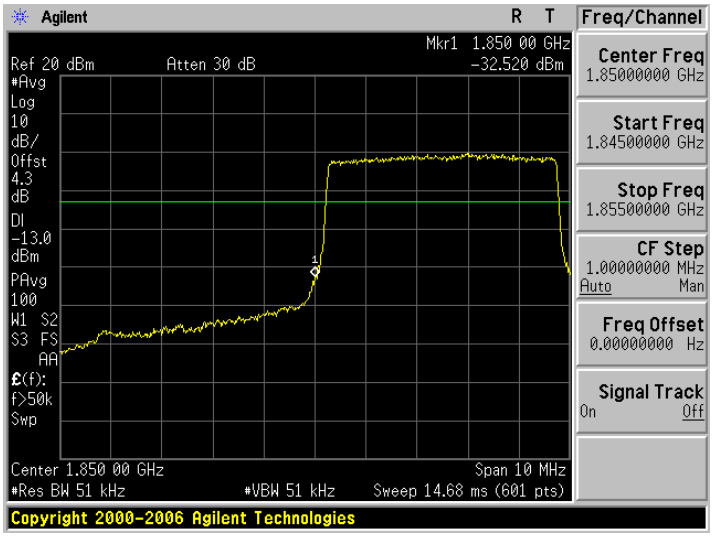
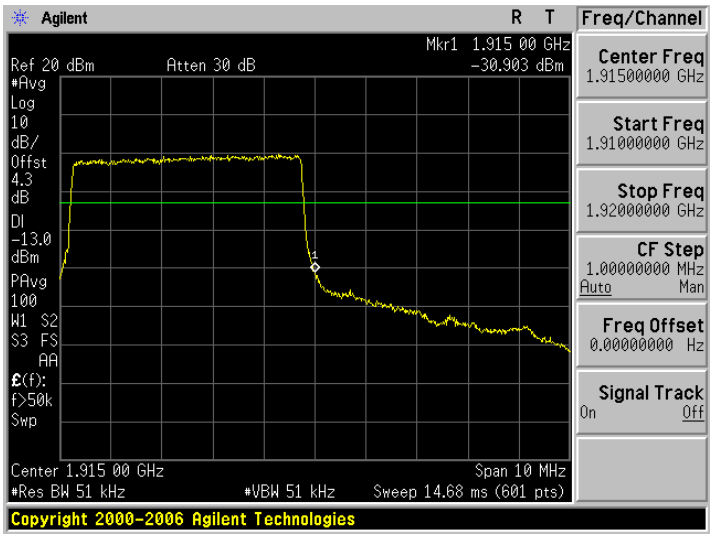
Frequency	LTE Band 12	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge					
Higher Band Edge					

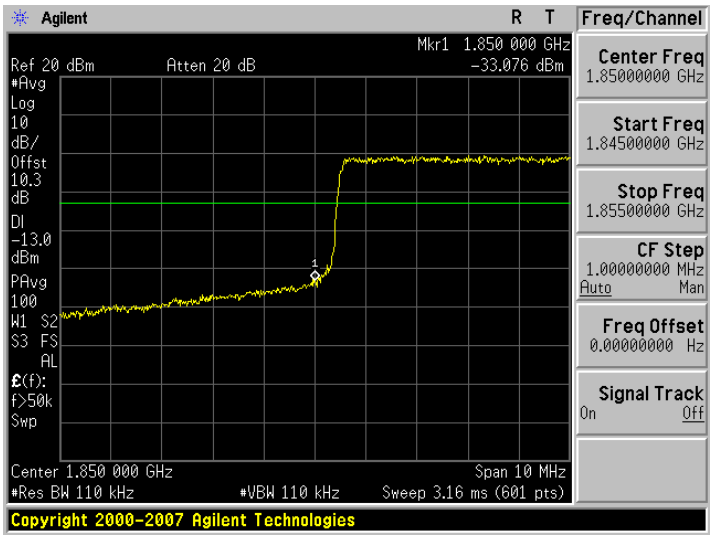
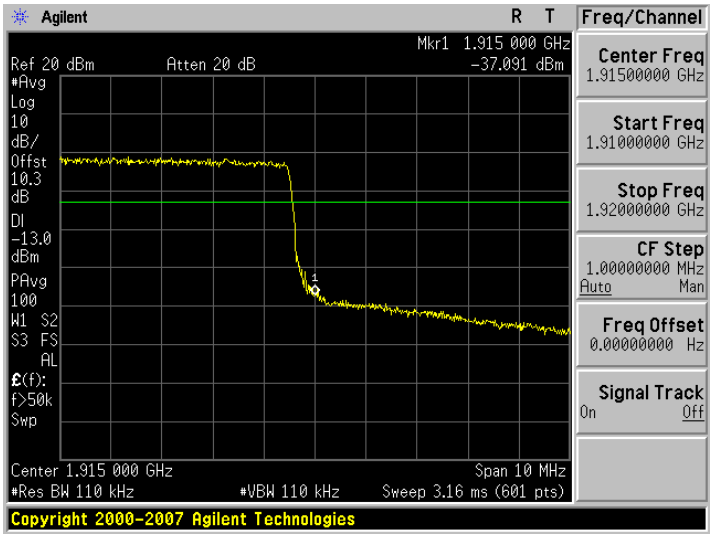
Frequency	LTE Band 12	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
Higher Band Edge					

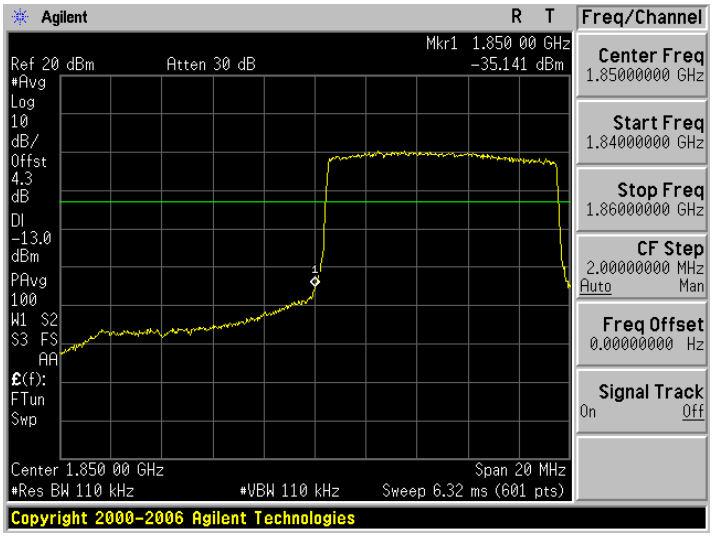
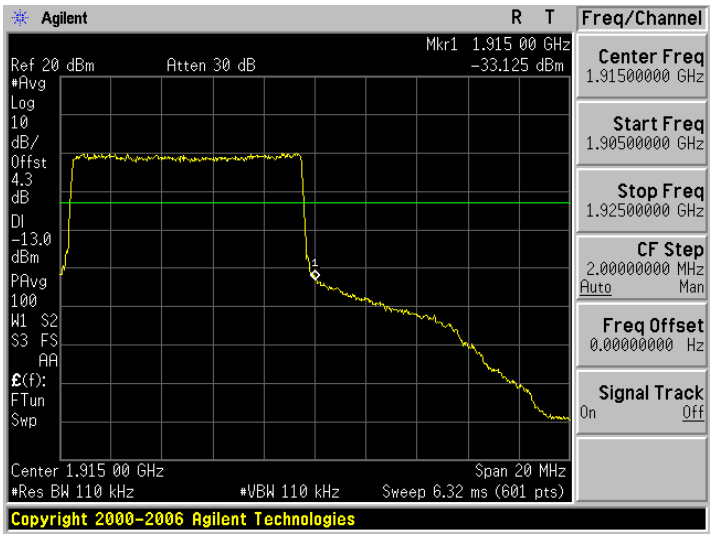
Frequency	LTE Band 12	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
Higher Band Edge					

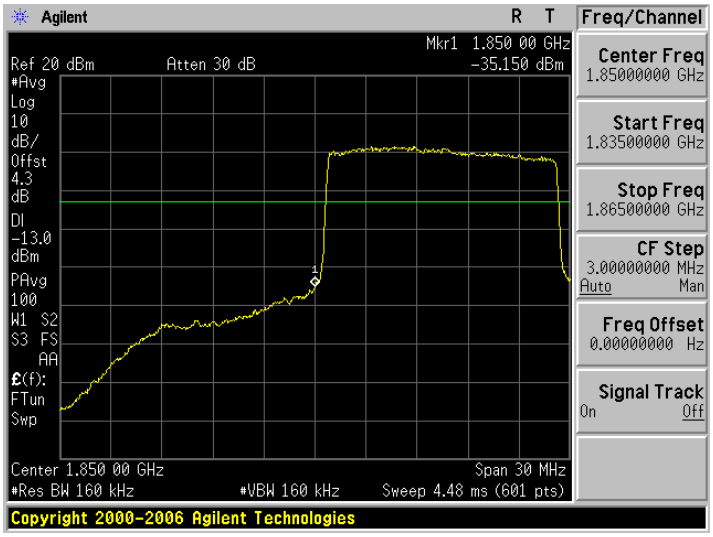
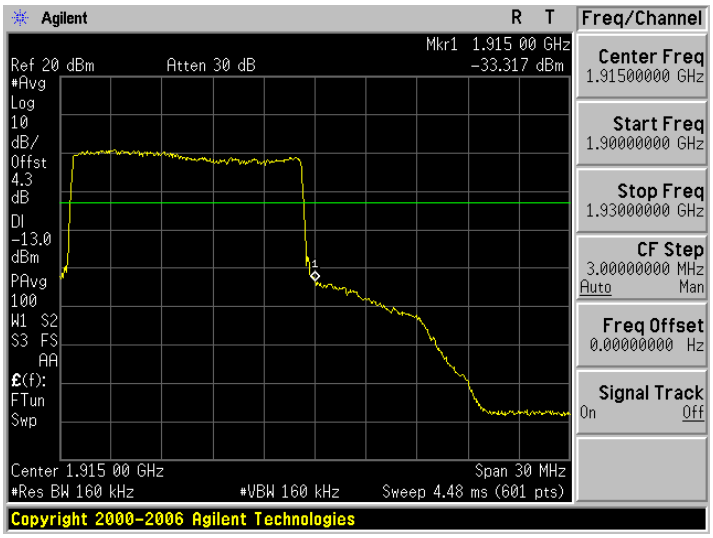
Frequency	LTE Band 25	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

Frequency	LTE Band 25	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge					
Higher Band Edge					

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

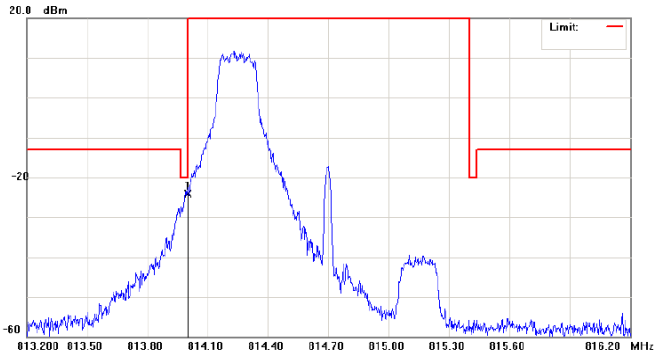
Frequency	LTE Band 25	Channel Bandwidth	10 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

Frequency	LTE Band 25	Channel Bandwidth	15 MHz	RB Allocated	50
Lower Band Edge					
Higher Band Edge					

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

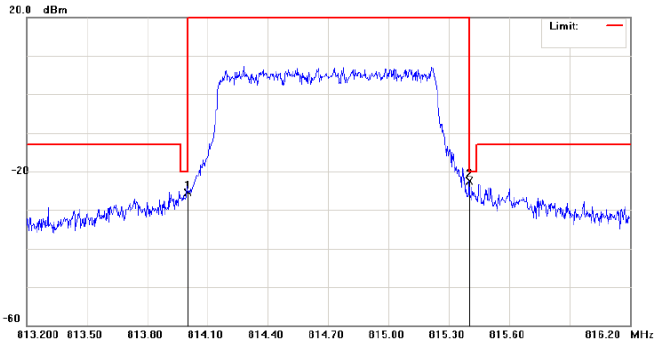
Frequency	LTE Band 26	Channel Bandwidth	1.4 MHz	RB Allocated	6
Part 90S					

Lower Band Edge



Site: site #1 Polarization: *Conducted* Temperature: 26 ℃
Limit: LTE Band 26_1.4M_Low Power: Humidity: 55 %
EUT: Distance: RBW: 15 KHz VBW: 15 KHz
M/N:
Mode: LTE Band 26_1.4M
Note: LTE_Band 26_CH26697(814.7MHz)_RB=1,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	814.0000	-24.16	0.00	-24.16	-20.00	-4.16	peak			

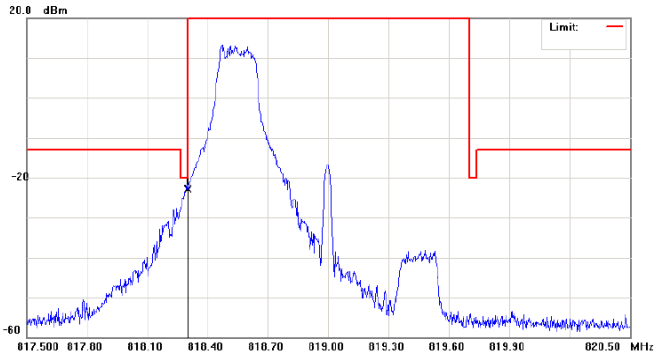


Site: site #1 Polarization: *Conducted* Temperature: 26 ℃
Limit: LTE Band 26_1.4M_Low Power: Humidity: 55 %
EUT: Distance: RBW: 15 KHz VBW: 15 KHz
M/N:
Mode: LTE Band 26_1.4M
Note: LTE_Band 26_CH26697(814.7MHz)_RB=6,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		814.0000	-25.49	0.00	-25.49	-20.00	-5.49	peak			
2	*	815.4000	-22.54	0.00	-22.54	-20.00	-2.54	peak			

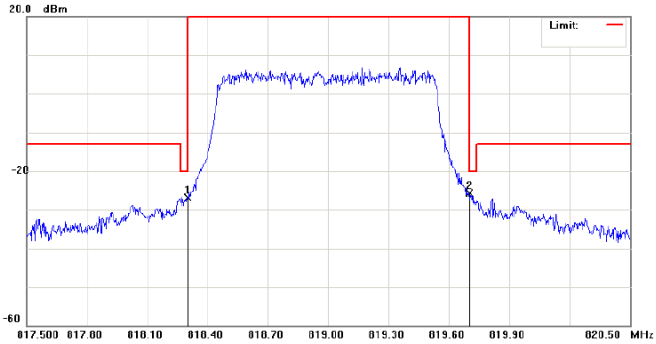
Frequency	LTE Band 26	Channel Bandwidth	1.4 MHz	RB Allocated	6
Part 90S					

Middle Band Edge



Site: site #1 | Polarization: Conducted | Temperature: 26 ℃
Limit: LTE Band 26_1.4M_Middle | Power: | Humidity: 55 %
EUT: | Distance: | RBW: 15 KHz VBW: 15 KHz
M/N:
Mode: LTE Band 26_1.4M
Note: LTE_Band 26_CH26740(819MHz)_RB=1,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	818.3000	-22.84	0.00	-22.84	-20.00	-2.84	peak			

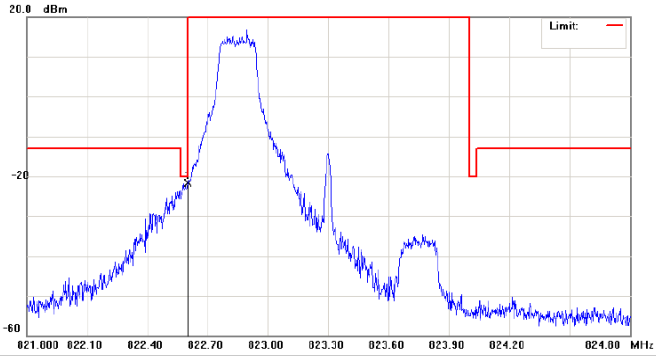


Site: site #1 | Polarization: Conducted | Temperature: 26 ℃
Limit: LTE Band 26_1.4M_Middle | Power: | Humidity: 55 %
EUT: | Distance: | RBW: 15 KHz VBW: 15 KHz
M/N:
Mode: LTE Band 26_1.4M
Note: LTE_Band 26_CH26740(819MHz)_RB=6,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		818.3000	-26.88	0.00	-26.88	-20.00	-6.88	peak			
2	*	819.7000	-25.71	0.00	-25.71	-20.00	-5.71	peak			

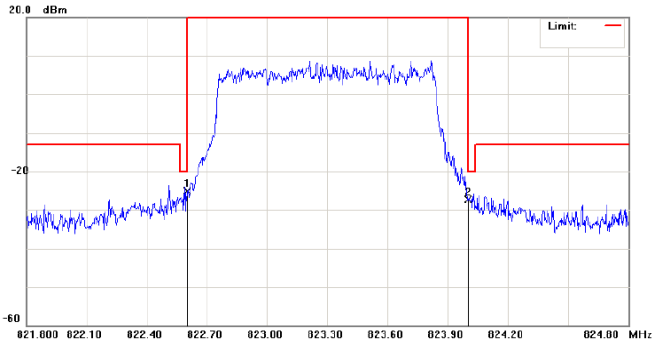
Frequency	LTE Band 26	Channel Bandwidth	1.4 MHz	RB Allocated	6
Part 90S					

Higher Band Edge



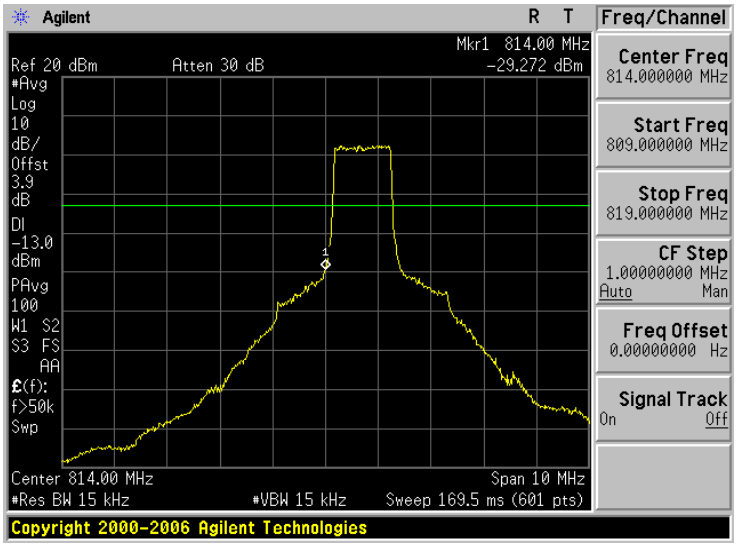
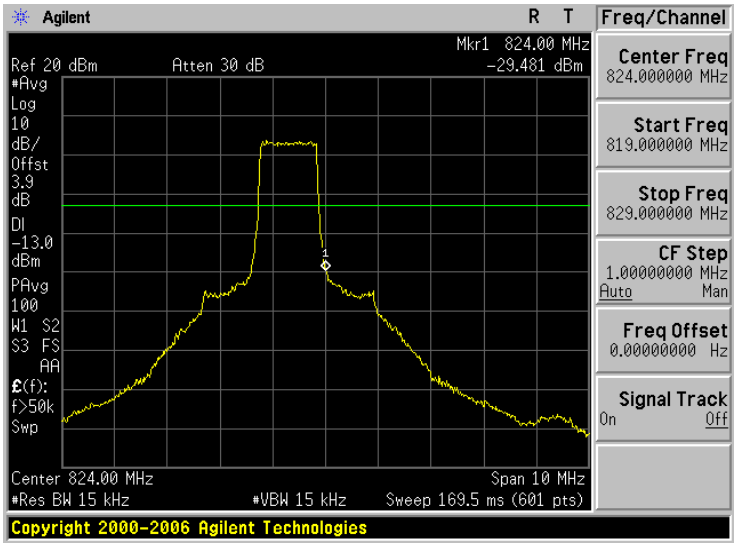
Site: site #1 Polarization: *Conducted* Temperature: 26 ℃
Limit: LTE Band 26_1.4M_High Power: Humidity: 55 %
EUT: Distance: RBW: 15 KHz VBW: 15 KHz
M/N:
Mode: LTE Band 26_1.4M
Note: LTE_Band 26_CH26783(823.3MHz)_RB=1,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	822.6000	-21.61	0.00	-21.61	-20.00	-1.61	peak			



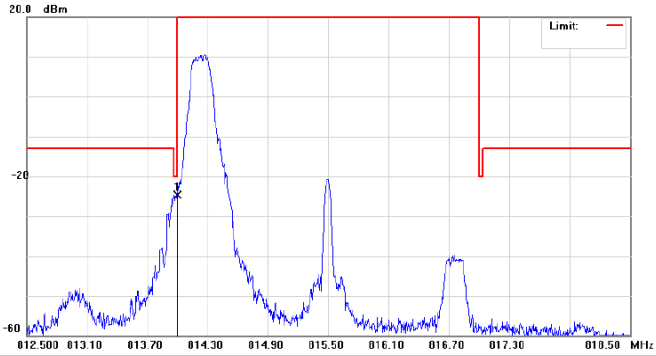
Site: site #1 Polarization: *Conducted* Temperature: 26 ℃
Limit: LTE Band 26_1.4M_High Power: Humidity: 55 %
EUT: Distance: RBW: 15 KHz VBW: 15 KHz
M/N:
Mode: LTE Band 26_1.4M
Note: LTE_Band 26_CH26783(823.3MHz)_RB=6,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	822.6000	-25.11	0.00	-25.11	-20.00	-5.11	peak			
2		824.0000	-27.22	0.00	-27.22	-20.00	-7.22	peak			

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

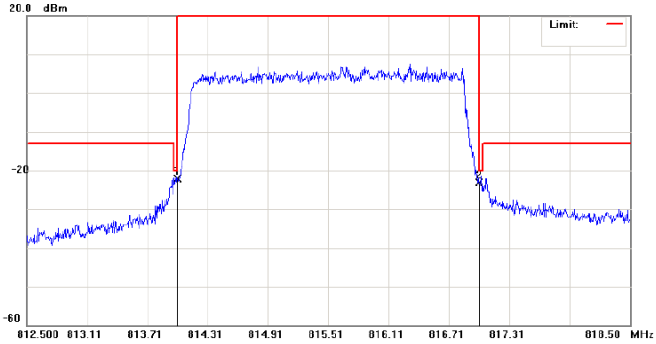
Frequency	LTE Band 26	Channel Bandwidth	3 MHz	RB Allocated	15
Part 90S					

Lower Band Edge



Site: site #1 Polarization: *Conducted* Temperature: 26 ℃
Limit: LTE Band 26_3M_Low Power: Humidity: 55 %
EUT: Distance: RBW: 33 KHz VBW: 33 KHz
M/N:
Mode: LTE Band 26_3M
Note: LTE_Band 26_CH26705(815.5MHz)_RB=1,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	814.0000	-24.77	0.00	-24.77	-20.00	-4.77	peak			

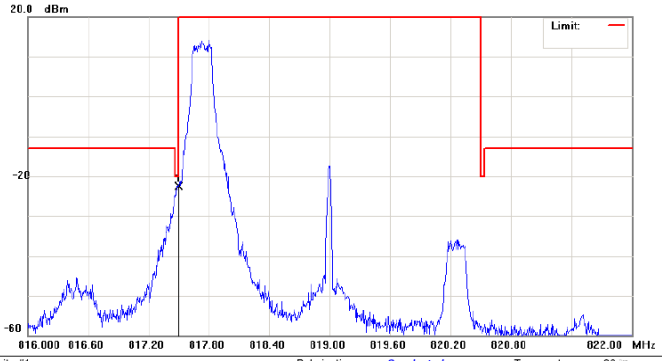


Site: site #1 Polarization: *Conducted* Temperature: 26 ℃
Limit: LTE Band 26_3M_Low Power: Humidity: 55 %
EUT: Distance: RBW: 33 KHz VBW: 33 KHz
M/N:
Mode: LTE Band 26_3M
Note: LTE_Band 26_CH26705(815.5MHz)_RB=15,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	814.0000	-22.11	0.00	-22.11	-20.00	-2.11	peak			
2		817.0000	-23.11	0.00	-23.11	-20.00	-3.11	peak			

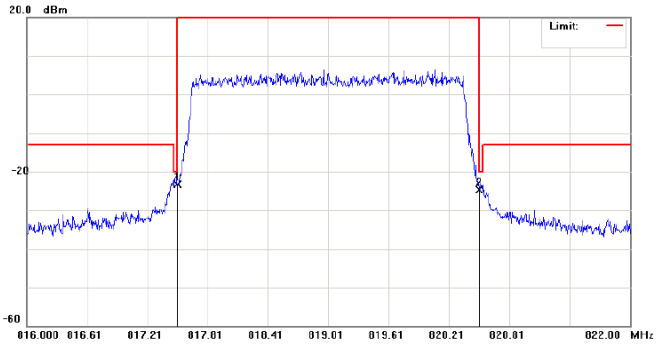
Frequency	LTE Band 26	Channel Bandwidth	3 MHz	RB Allocated	15
Part 90S					

Middle Band Edge



Site: site #1 Polarization: *Conducted* Temperature: 26 ℃
Limit: LTE Band 26_3M_Middle Power: Humidity: 55 %
EUT: Distance: RBW: 33 KHz VBW: 33 KHz
M/N:
Mode: LTE Band 26_3M
Note: LTE_Band 26_CH26740(819MHz)_RB=1,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	817.5000	-22.45	0.00	-22.45	-20.00	-2.45	peak			

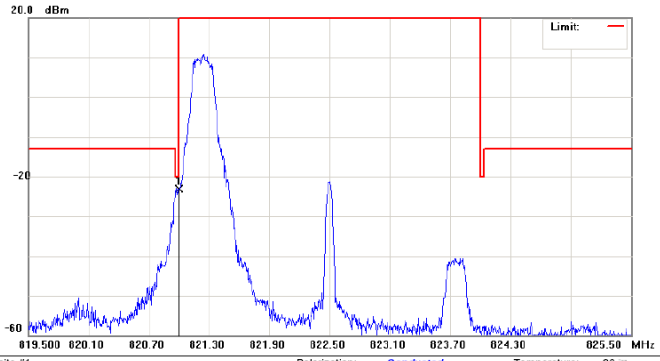


Site: site #1 Polarization: *Conducted* Temperature: 26 ℃
Limit: LTE Band 26_3M_Middle Power: Humidity: 55 %
EUT: Distance: RBW: 33 KHz VBW: 33 KHz
M/N:
Mode: LTE Band 26_3M
Note: LTE_Band 26_CH26740(819MHz)_RB=15,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	817.5000	-23.34	0.00	-23.34	-20.00	-3.34	peak			
2		820.5000	-24.70	0.00	-24.70	-20.00	-4.70	peak			

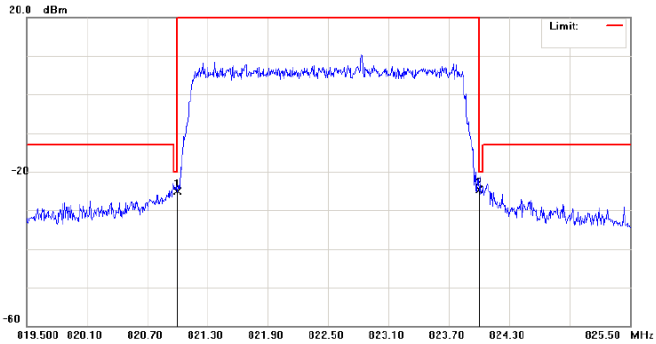
Frequency	LTE Band 26	Channel Bandwidth	3 MHz	RB Allocated	15
Part 90S					

Higher Band Edge



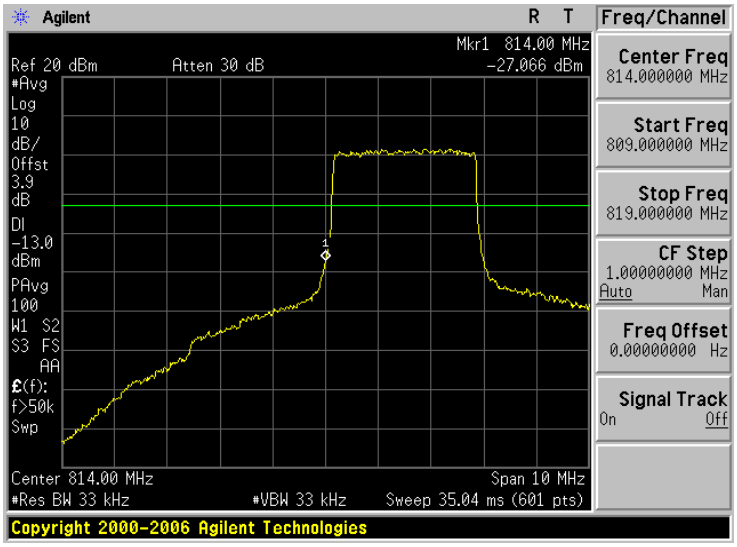
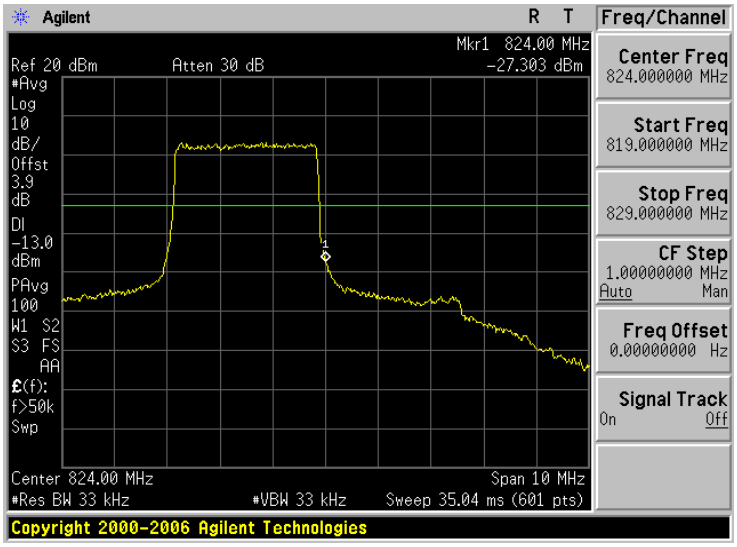
Site: site #1 Polarization: Conducted Temperature: 26 ℃
Limit: LTE Band 26_3M_High Power: Humidity: 55 %
EUT: Distance: RBW: 33 KHz VBW: 33 KHz
M/N:
Mode: LTE Band 26_3M
Note: LTE_Band 26_CH26775(822.5MHz)_RB=1,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	821.0000	-23.08	0.00	-23.08	-20.00	-3.08	peak			



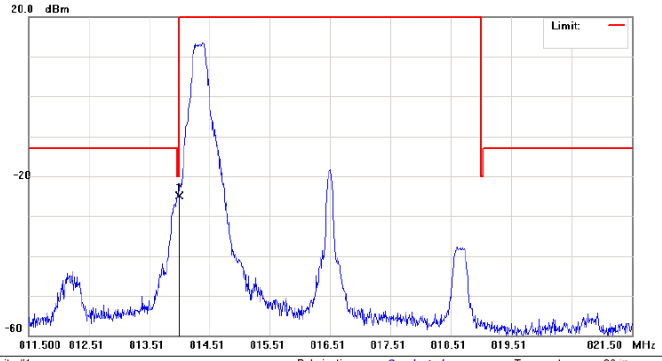
Site: site #1 Polarization: Conducted Temperature: 26 ℃
Limit: LTE Band 26_3M_High Power: Humidity: 55 %
EUT: Distance: RBW: 33 KHz VBW: 33 KHz
M/N:
Mode: LTE Band 26_3M
Note: LTE_Band 26_CH26775(822.5MHz)_RB=15,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		821.0000	-25.16	0.00	-25.16	-20.00	-5.16	peak			
2	*	824.0000	-24.63	0.00	-24.63	-20.00	-4.63	peak			

Frequency	LTE Band 26	Channel Bandwidth	3 MHz	RB Allocated	15
Part 90S					
Lower Band Edge					
Higher Band Edge					

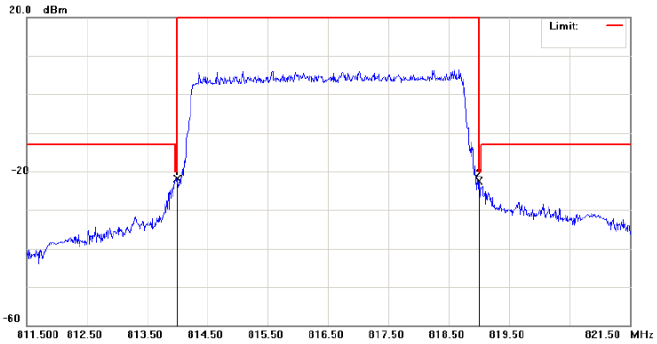
Frequency	LTE Band 26	Channel Bandwidth	5 MHz	RB Allocated	25
Part 90S					

Lower Band Edge



Site: site #1 Polarization: Conducted Temperature: 26 ℃
Limit: LTE Band 26_5M_Low Power: Humidity: 55 %
EUT: Distance: RBW: 51 KHz VBW: 51 KHz
M/N:
Mode: LTE Band 26_5M
Note: LTE_Band 26_CH26715(816.5MHz)_RB=1,Offset=0

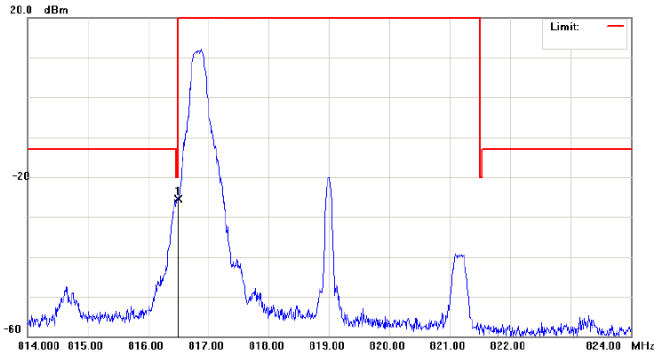
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	814.0000	-24.89	0.00	-24.89	-20.00	-4.89	peak			



Site: site #1 Polarization: Conducted Temperature: 26 ℃
Limit: LTE Band 26_5M_Low Power: Humidity: 55 %
EUT: Distance: RBW: 51 KHz VBW: 51 KHz
M/N:
Mode: LTE Band 26_5M
Note: LTE_Band 26_CH26715(816.5MHz)_RB=25,Offset=0

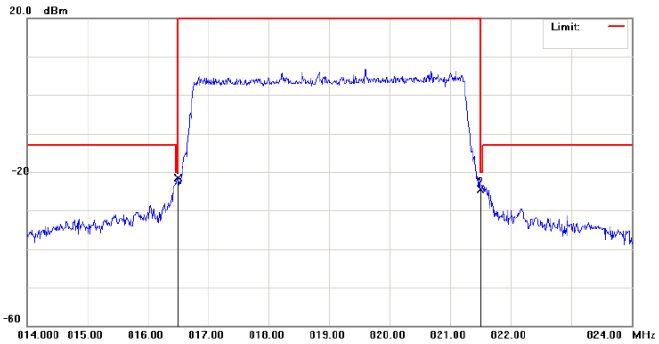
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	814.0000	-21.98	0.00	-21.98	-20.00	-1.98	peak			
2		819.0000	-22.47	0.00	-22.47	-20.00	-2.47	peak			

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



Site: site #1 Polarization: *Conducted* Temperature: 26 ℃
Limit: LTE Band 26_5M_Middle Power: Humidity: 55 %
EUT: Distance: RBW: 51 KHz VBW: 51 KHz
M/N:
Mode: LTE Band 26_5M
Note: LTE_Band 26_CH26740(819MHz)_RB=1,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	816.5000	-25.40	0.00	-25.40	-20.00	-5.40	peak			

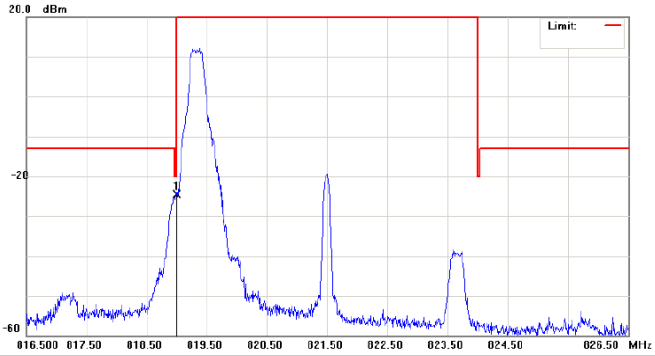


Site: site #1 Polarization: *Conducted* Temperature: 26 ℃
Limit: LTE Band 26_5M_Middle Power: Humidity: 55 %
EUT: Distance: RBW: 51 KHz VBW: 51 KHz
M/N:
Mode: LTE Band 26_5M
Note: LTE_Band 26_CH26740(819MHz)_RB=25,Offset=0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	816.5000	-21.48	0.00	-21.48	-20.00	-1.48	peak			
2		821.5000	-24.48	0.00	-24.48	-20.00	-4.48	peak			

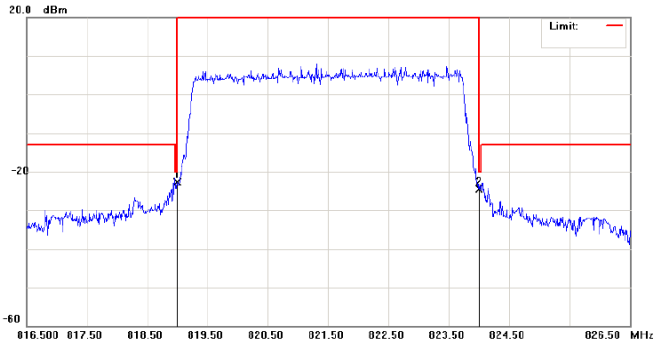
Frequency	LTE Band 26	Channel Bandwidth	5 MHz	RB Allocated	25
Part 90S					

Higher Band Edge



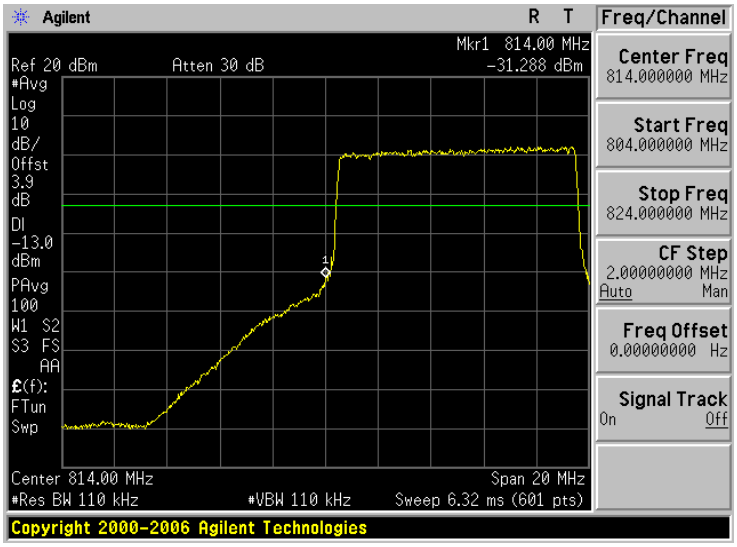
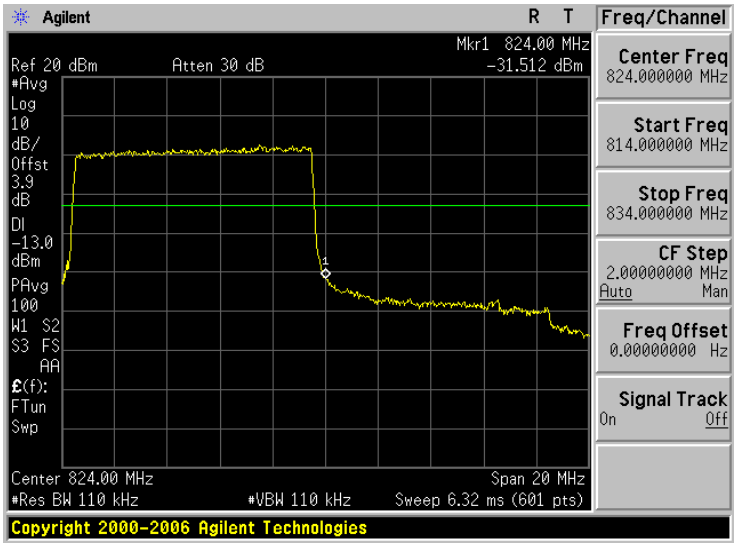
Site: site #1 | Polarization: *Conducted* | Temperature: 26 ℃
Limit: LTE Band 26_5M_Middle | Power: | Humidity: 55 %
EUT: | Distance: | RBW: 51 KHz VBW: 51 KHz
M/N:
Mode: LTE Band 26_5M
Note: LTE_Band 26_CH26765(821.5MHz)_RB=1,Offset=0

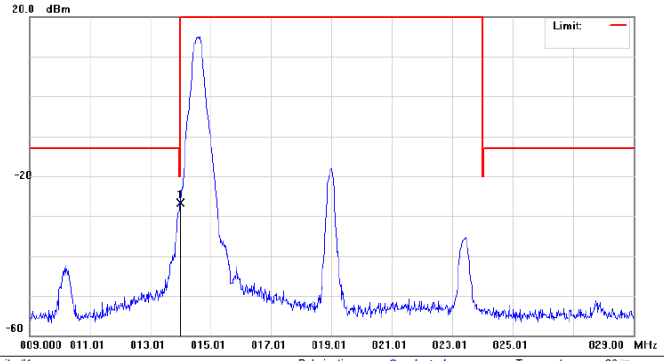
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	819.0000	-24.42	0.00	-24.42	-20.00	-4.42	peak			



Site: site #1 | Polarization: *Conducted* | Temperature: 26 ℃
Limit: LTE Band 26_5M_Middle | Power: | Humidity: 55 %
EUT: | Distance: | RBW: 51 KHz VBW: 51 KHz
M/N:
Mode: LTE Band 26_5M
Note: LTE_Band 26_CH26765(821.5MHz)_RB=25,Offset=0

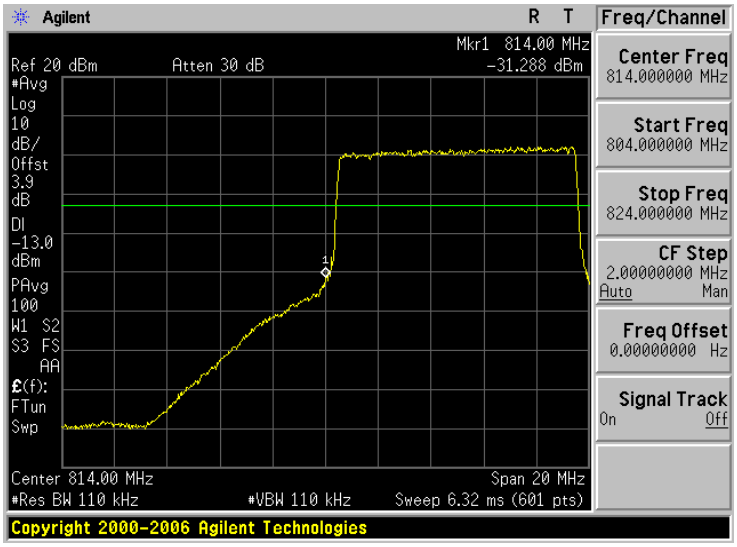
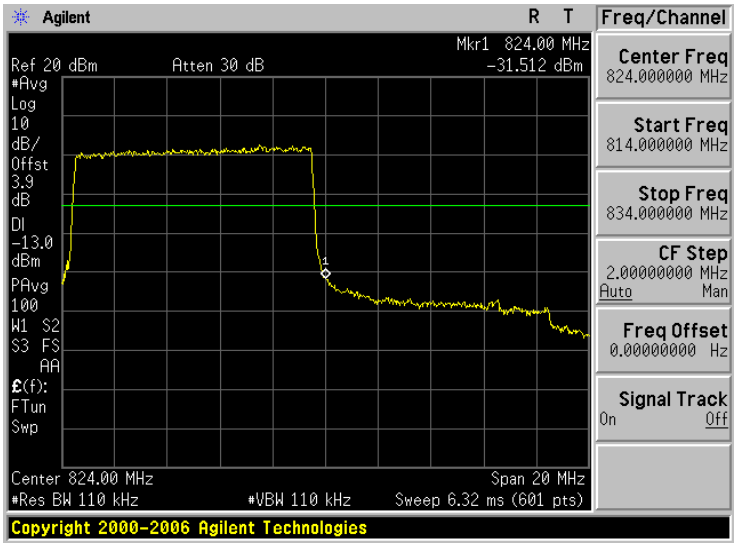
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	819.0000	-22.63	0.00	-22.63	-20.00	-2.63	peak			
2		824.0000	-24.51	0.00	-24.51	-20.00	-4.51	peak			

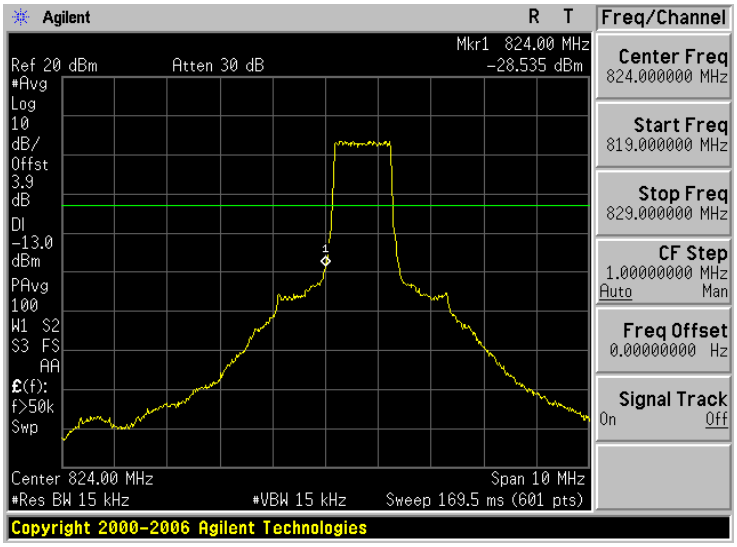
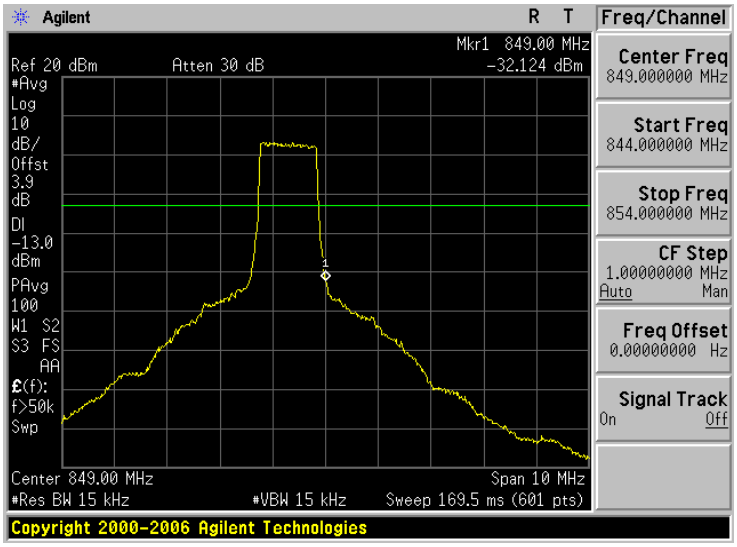
Frequency	LTE Band 26	Channel Bandwidth	5 MHz	RB Allocated	25
Part 90S					
Lower Band Edge					
Higher Band Edge					

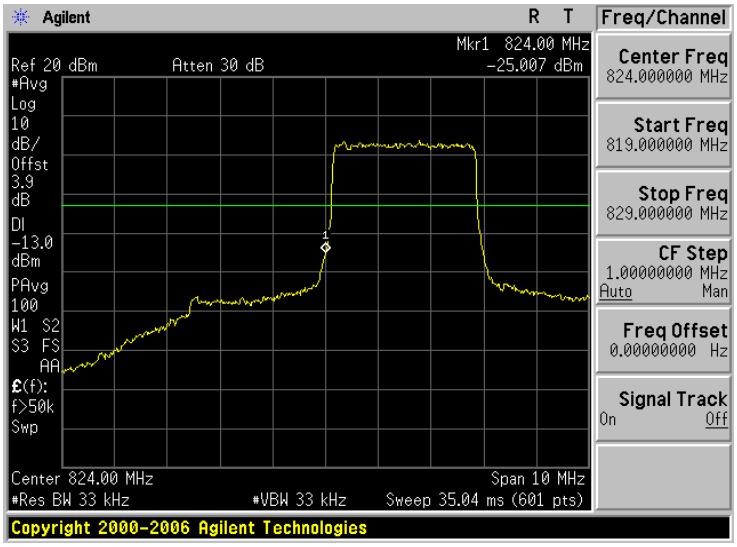
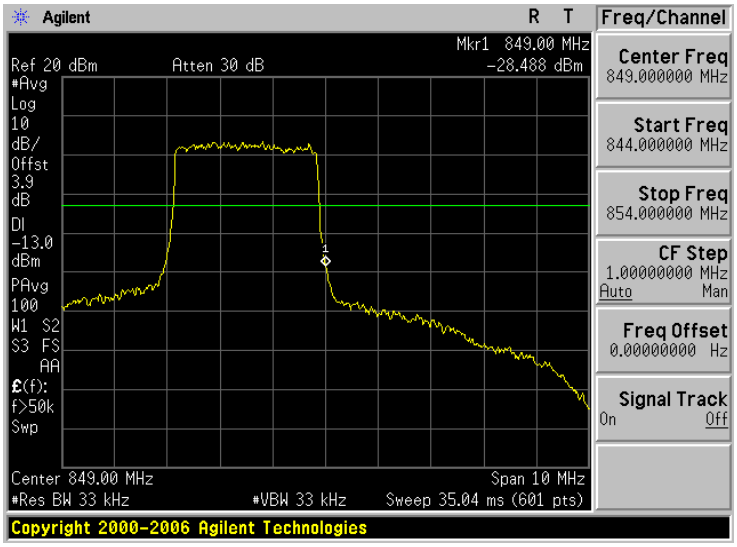
Frequency	LTE Band 26	Channel Bandwidth	10 MHz	RB Allocated	50
Part 90S					
Band Edge					

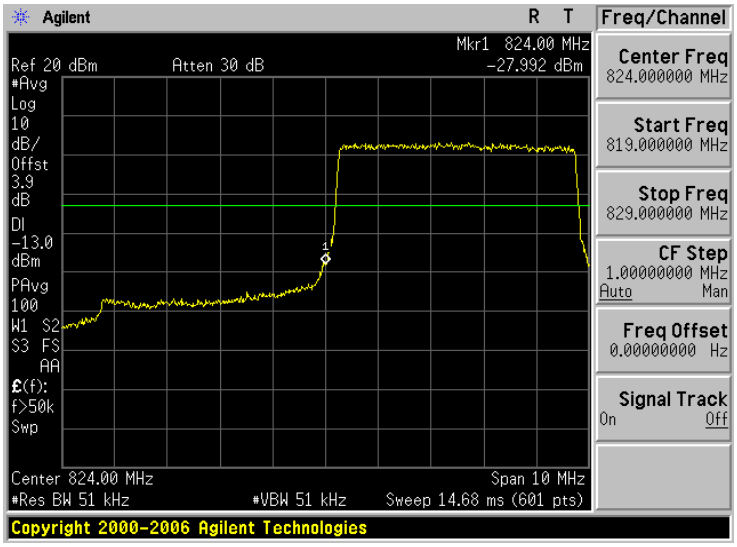
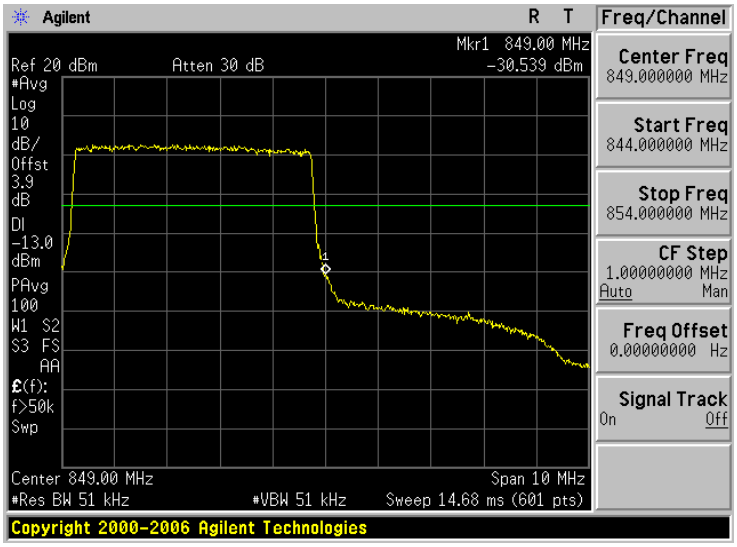
Site: site #1 Polarization: *Conducted* Temperature: 26 ℃
Limit: LTE Band 26_10M_Middle Power: Humidity: 55 %
EUT: Distance: RBW: 110 KHz VBW: 110
M/N:
Mode: LTE Band 26_10M
Note: LTE_Band 26_CH26740(819MHz)_RB=1,Offset=0

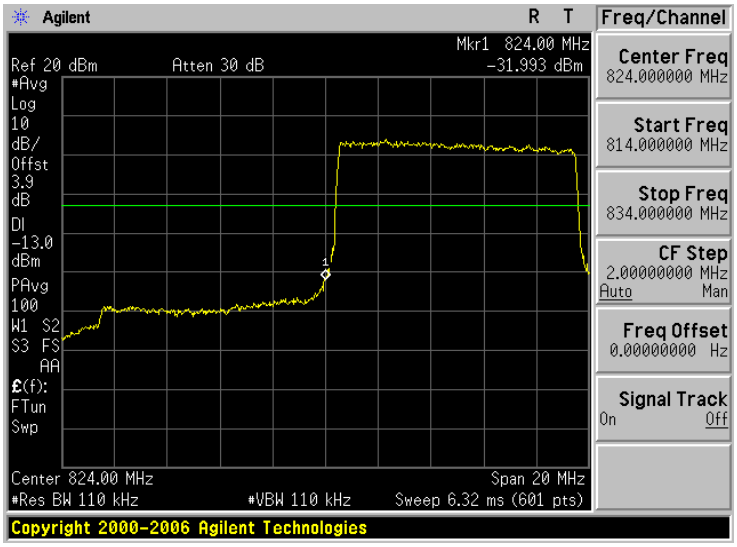
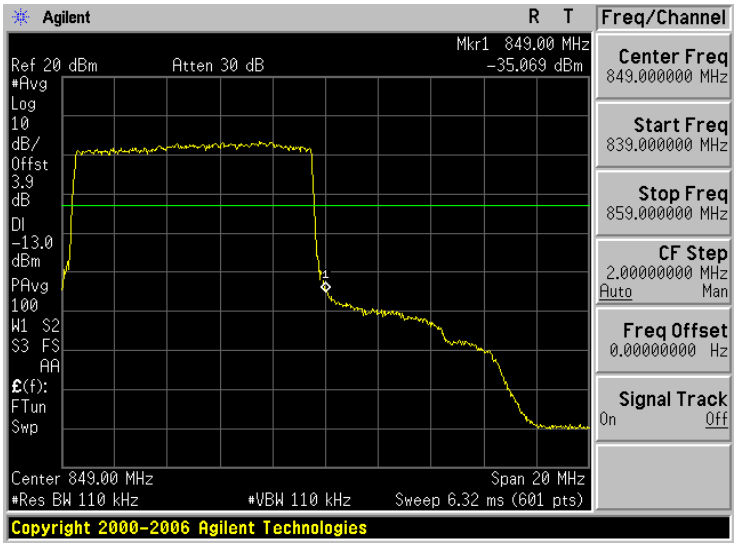
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	814.0000	-26.68	0.00	-26.68	-20.00	-6.68	peak			

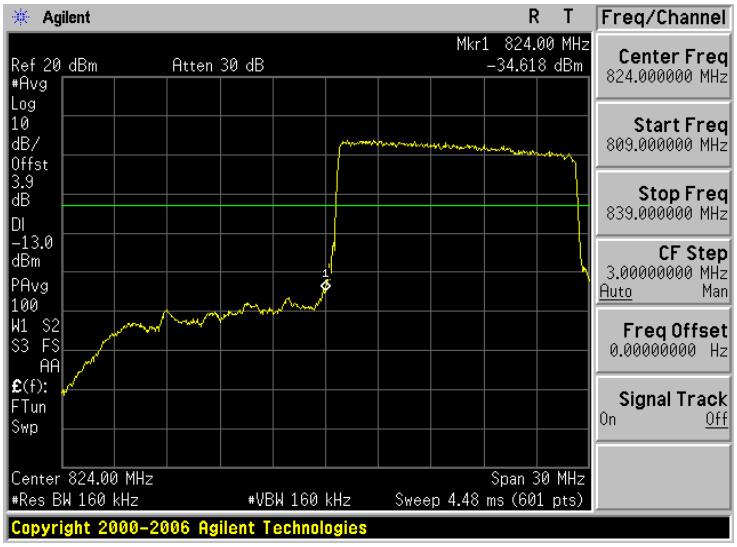
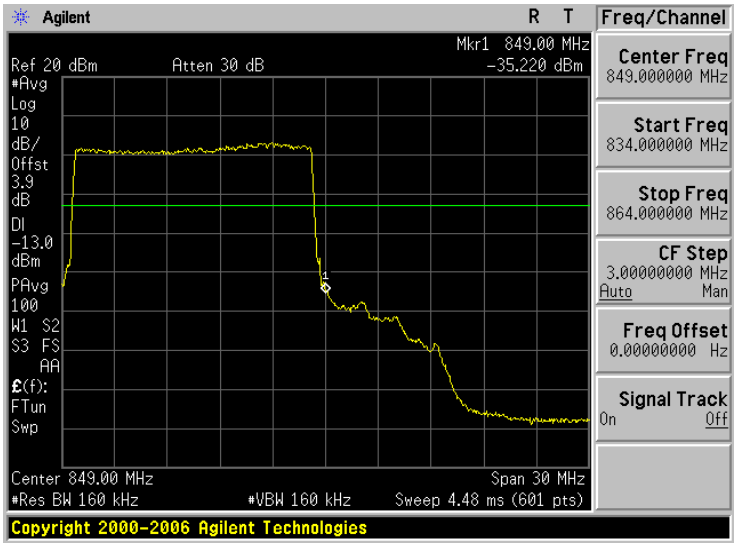
Frequency	LTE Band 26	Channel Bandwidth	10 MHz	RB Allocated	50
Part 90S					
Band Edge					
					

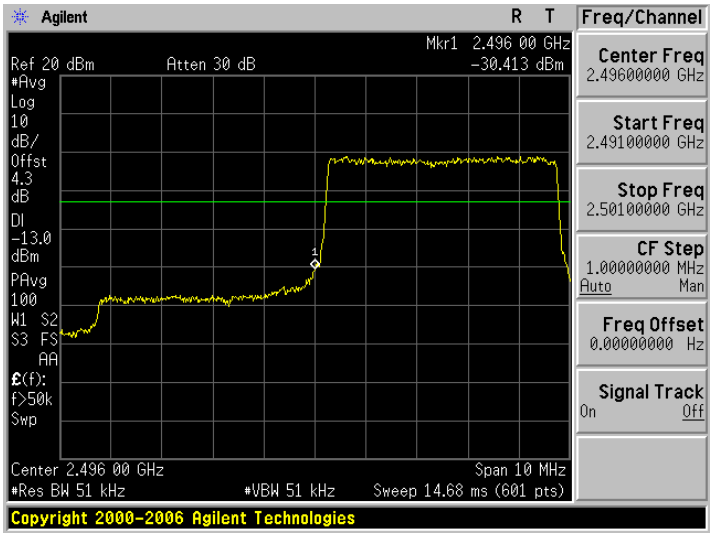
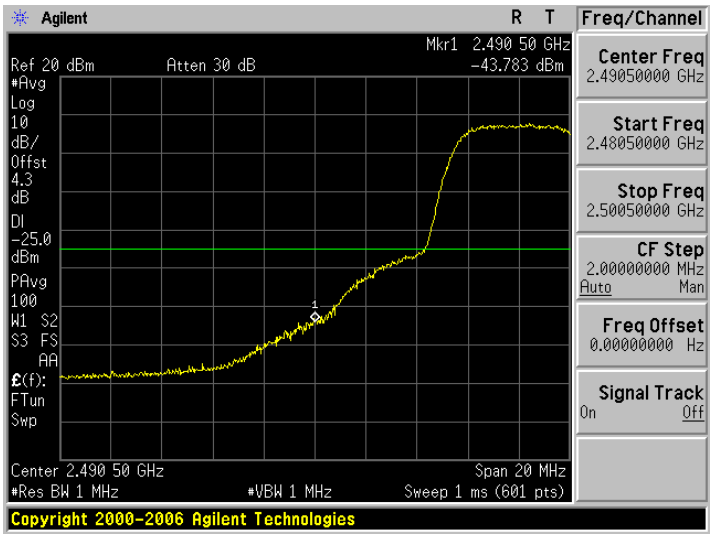
Frequency	LTE Band 26	Channel Bandwidth	1.4 MHz	RB Allocated	6
Part 22H					
Lower Band Edge					
Higher Band Edge					

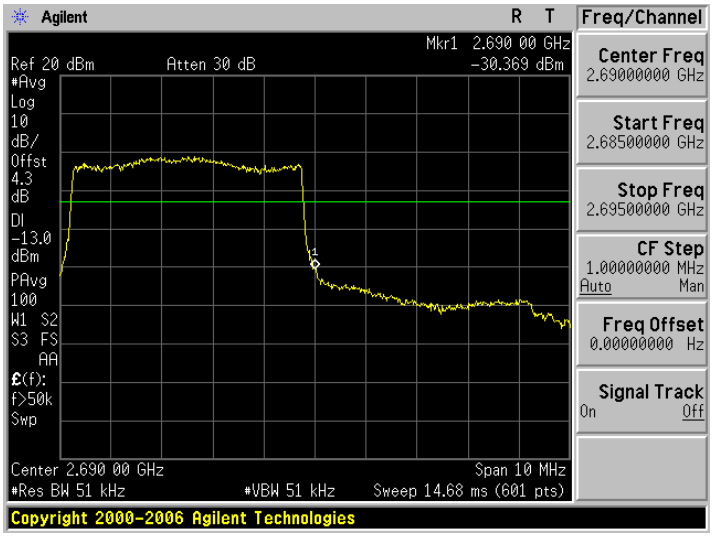
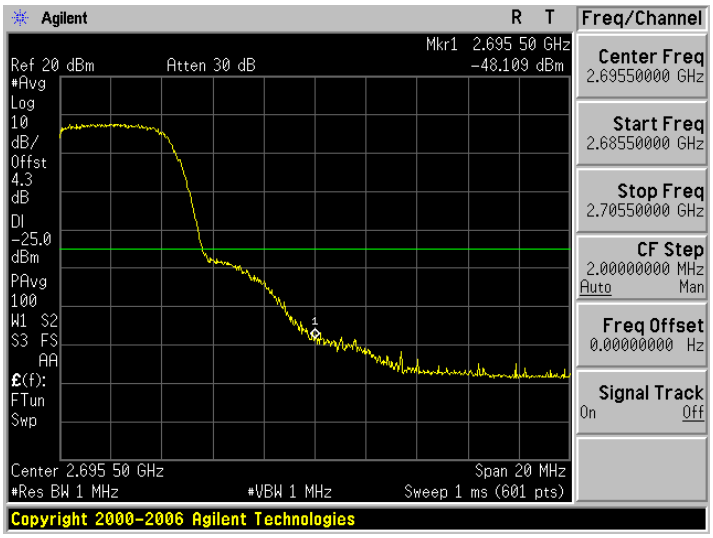
Frequency	LTE Band 26	Channel Bandwidth	3 MHz	RB Allocated	15
Part 22H					
Lower Band Edge					
Higher Band Edge					

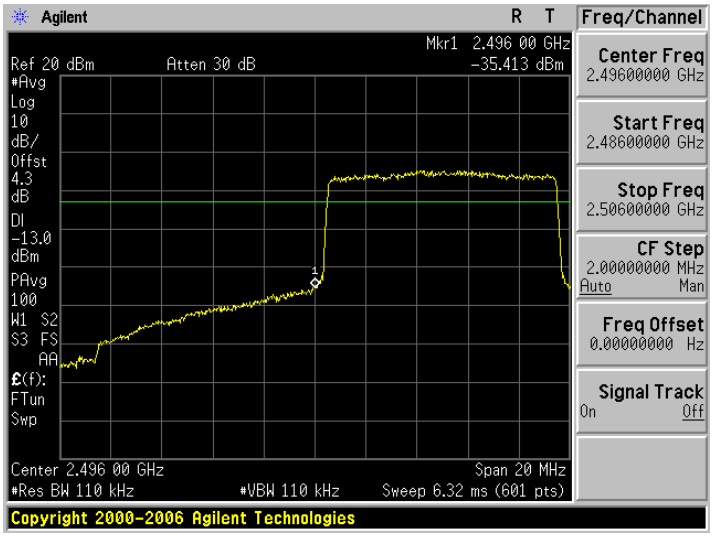
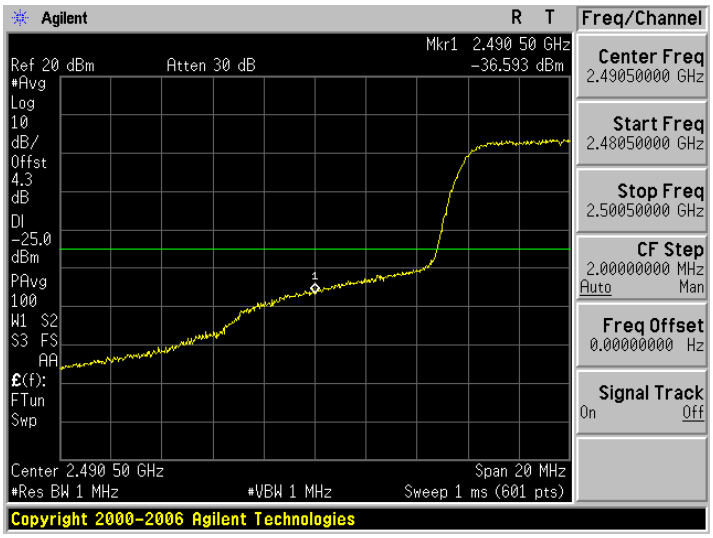
Frequency	LTE Band 26	Channel Bandwidth	5 MHz	RB Allocated	25
Part 22H					
Lower Band Edge					
Higher Band Edge					

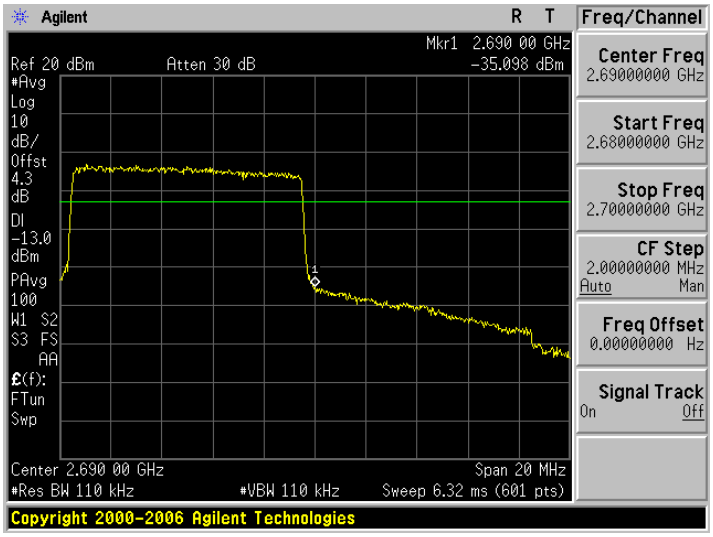
Frequency	LTE Band 26	Channel Bandwidth	10 MHz	RB Allocated	50
Part 22H					
Lower Band Edge					
Higher Band Edge					

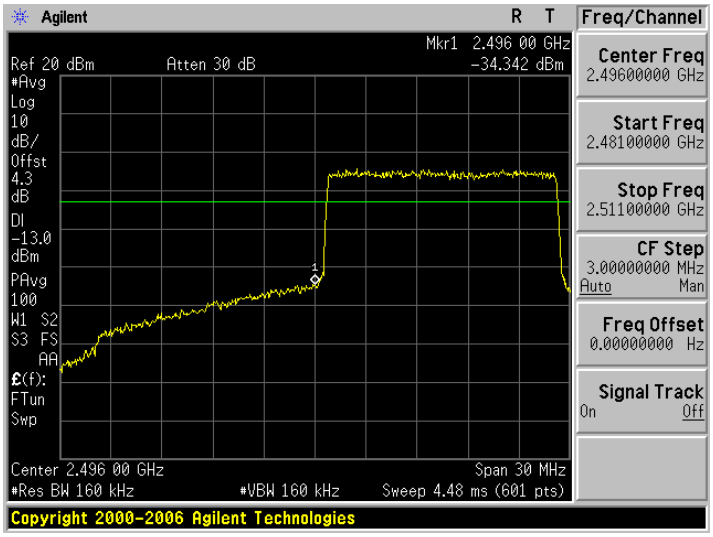
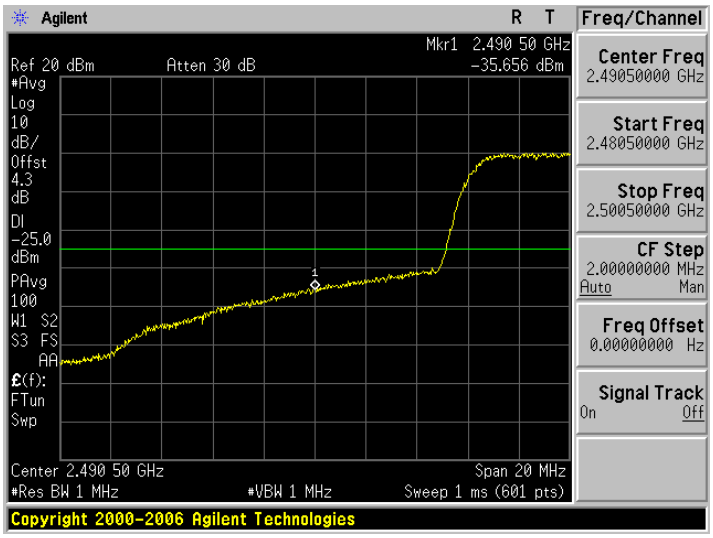
Frequency	LTE Band 26	Channel Bandwidth	15 MHz	RB Allocated	75
Part 22H					
Lower Band Edge					
Higher Band Edge					

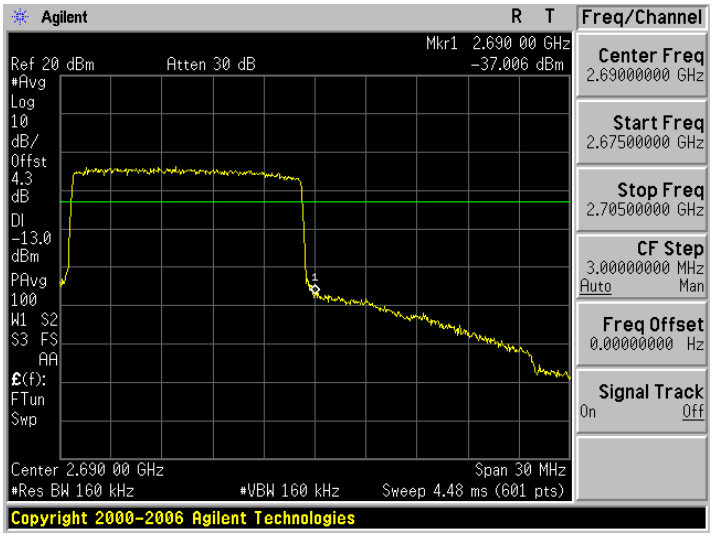
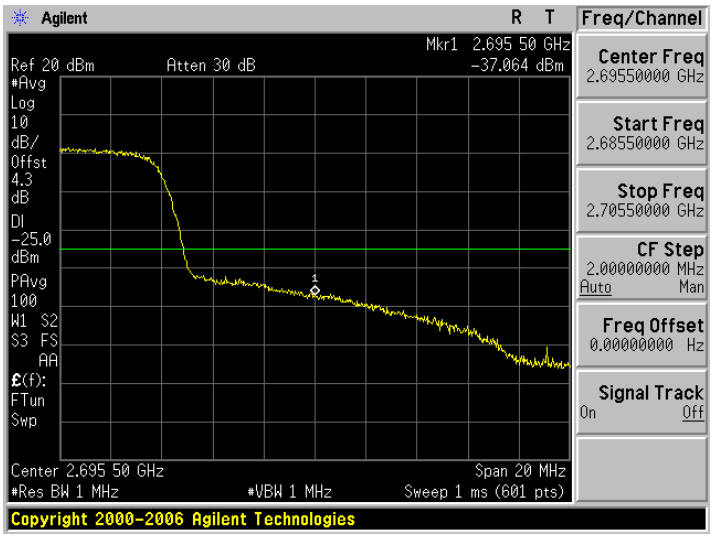
Frequency	LTE Band 41	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
					

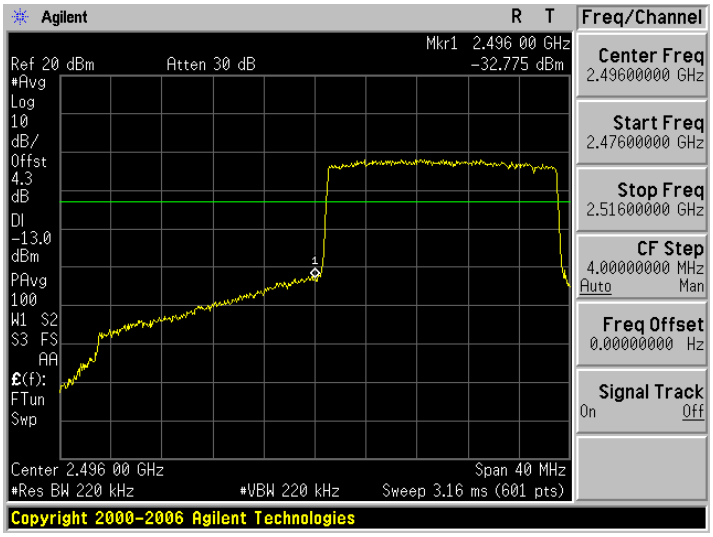
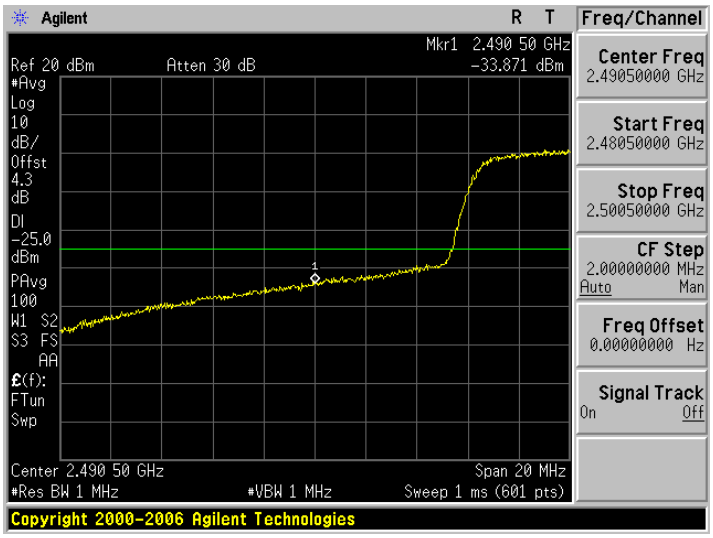
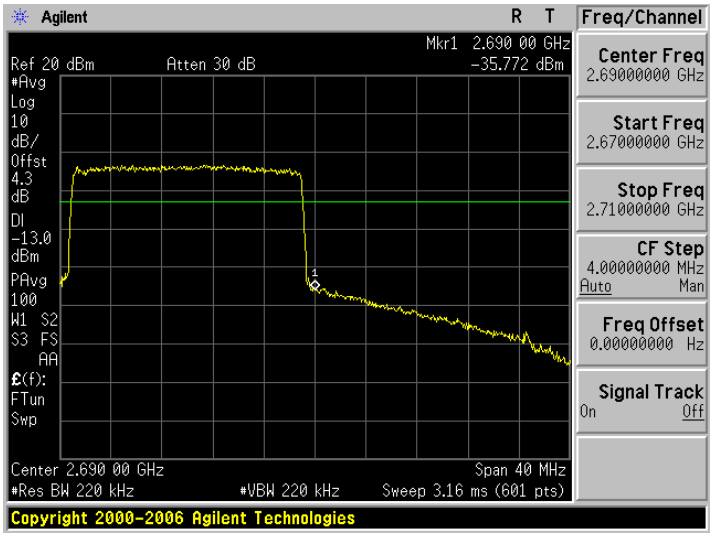
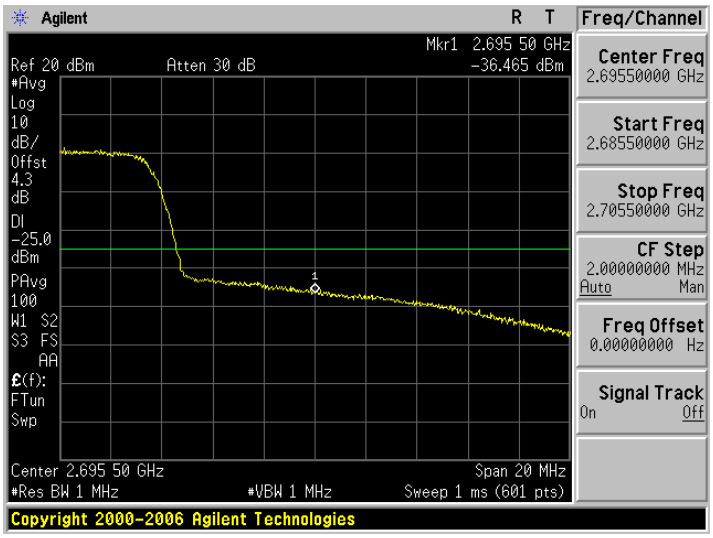
Frequency	LTE Band 41	Channel Bandwidth	5 MHz	RB Allocated	25
Higher Band Edge					
					

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					

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

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					
					

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