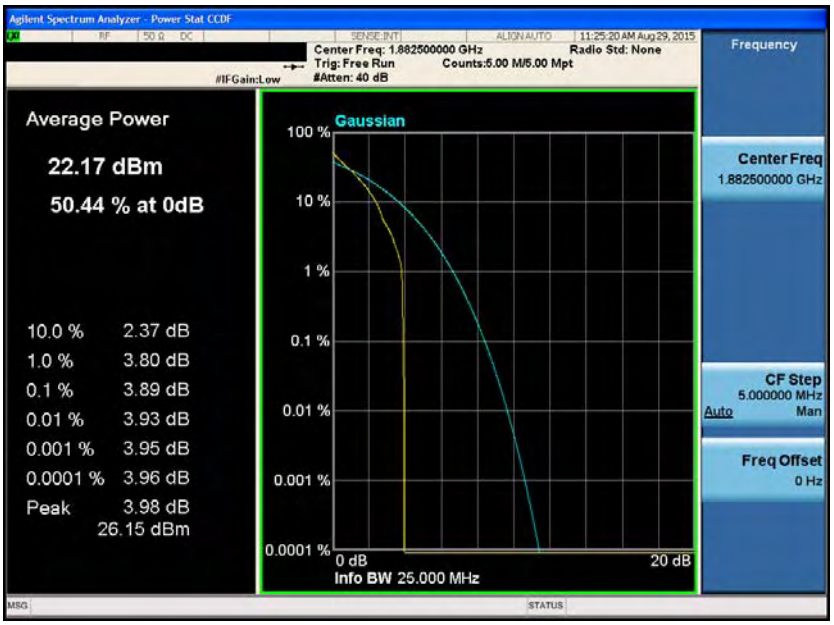
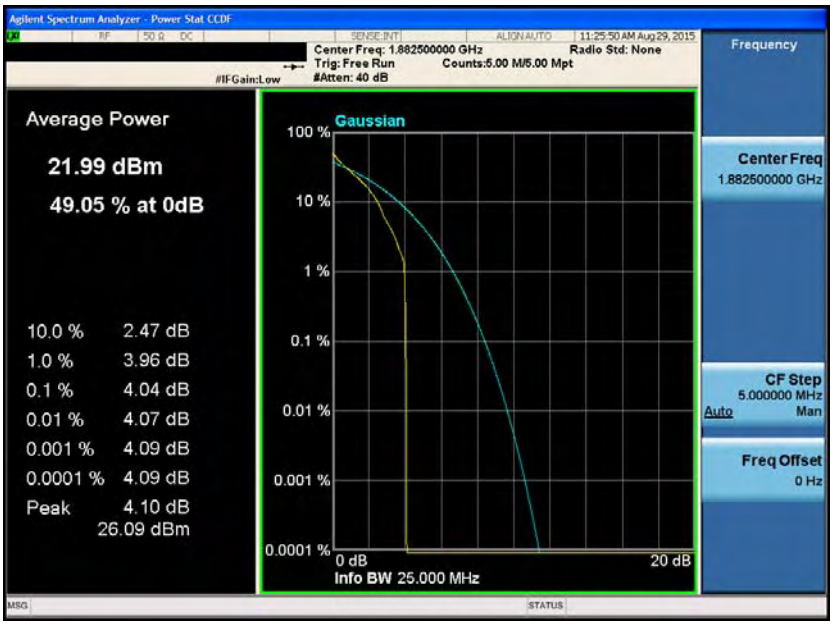
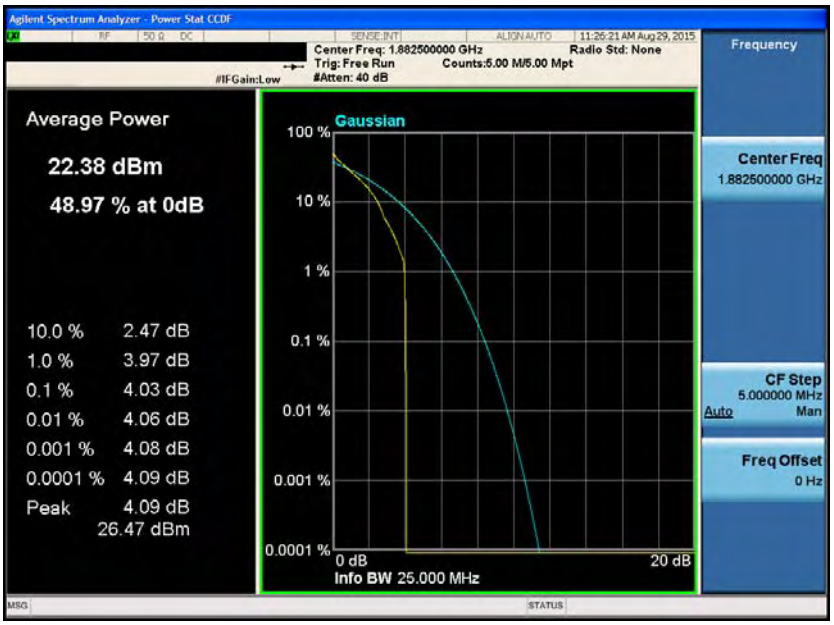
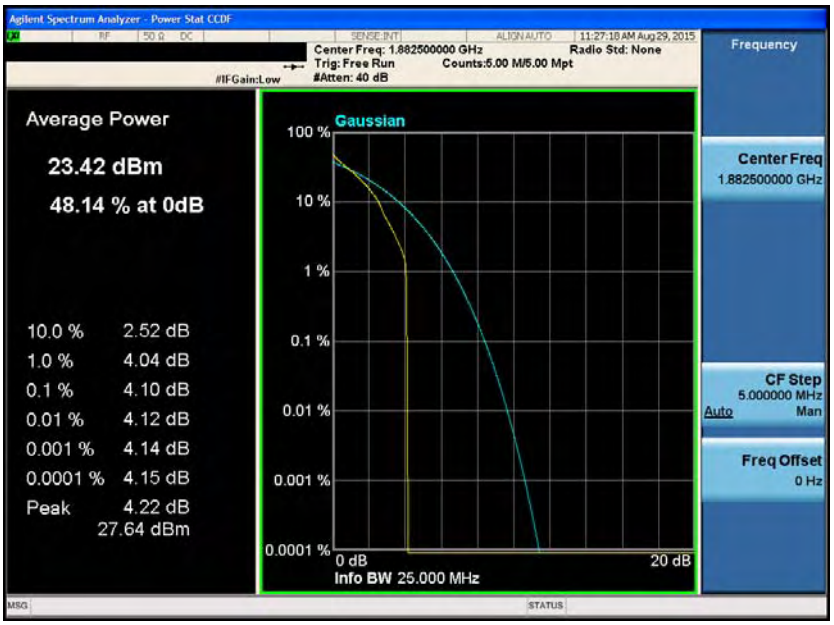
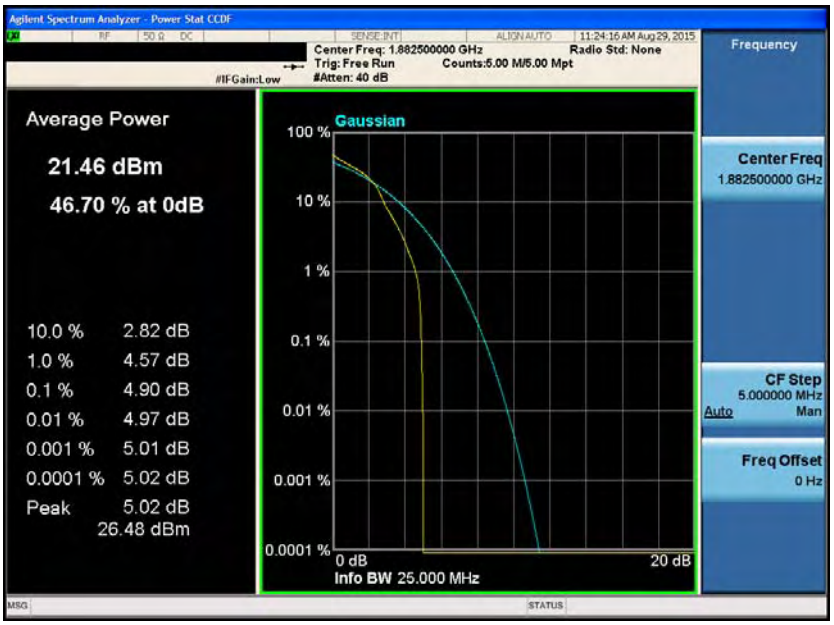
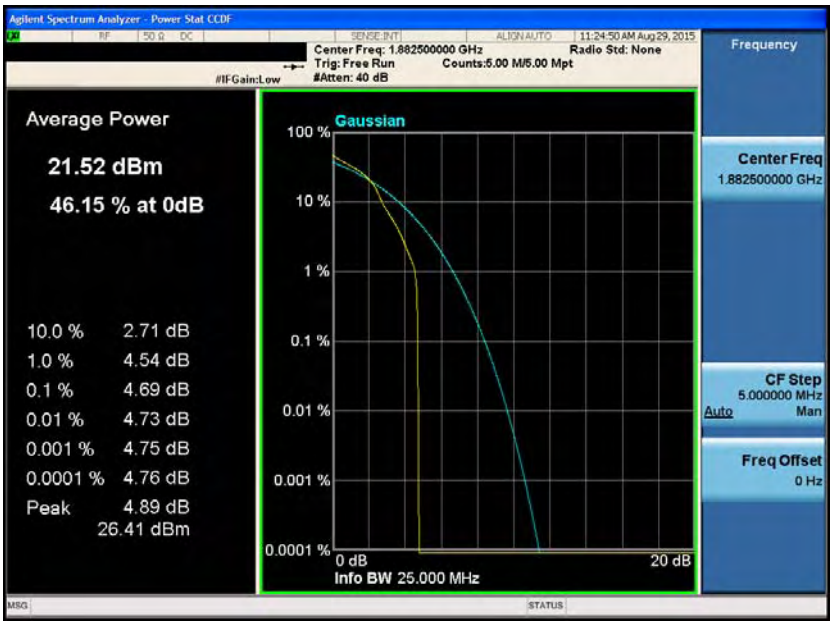
LTE Band 25 (Channel Bandwidth: 5 MHz) _ QPSK	
1882.5 MHz	

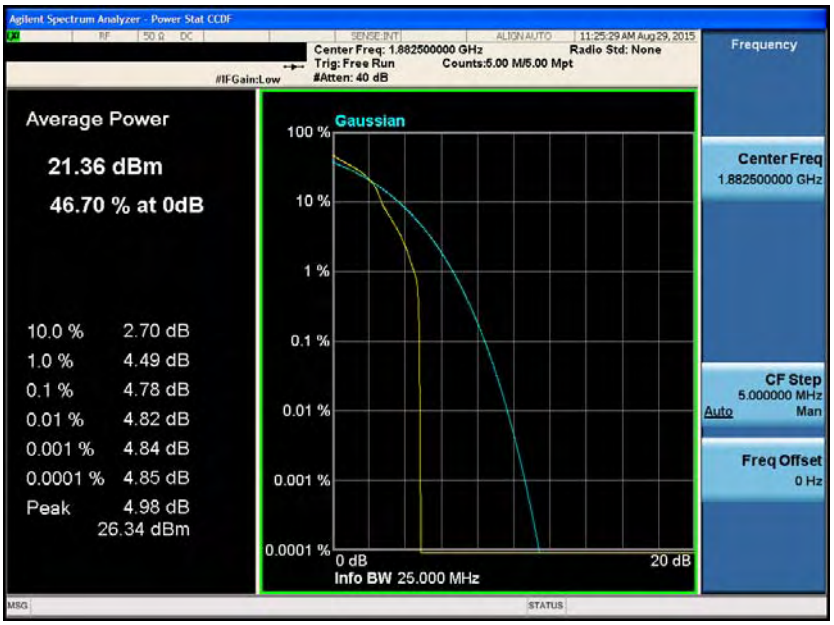
LTE Band 25 (Channel Bandwidth: 10 MHz) _ QPSK	
1882.5 MHz	

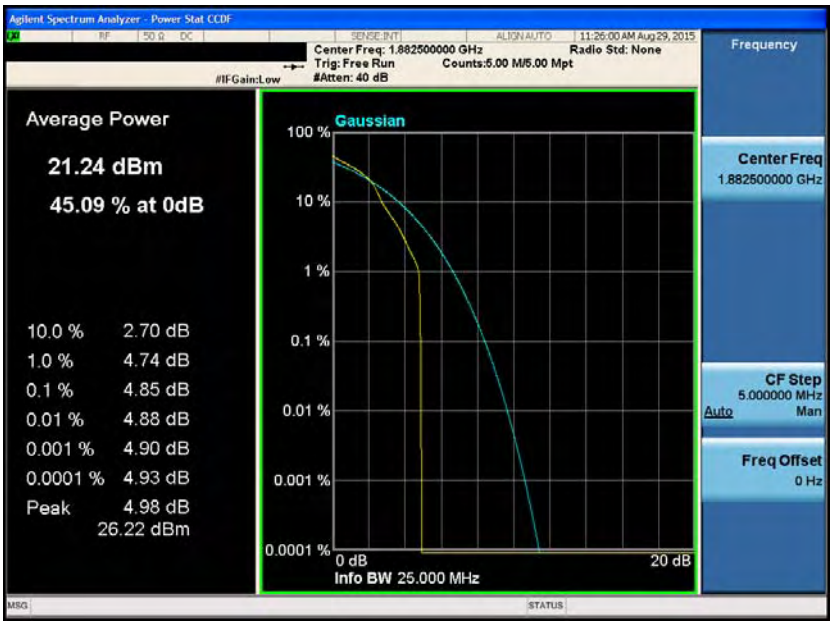
LTE Band 25 (Channel Bandwidth: 15 MHz) _ QPSK	
1882.5 MHz	

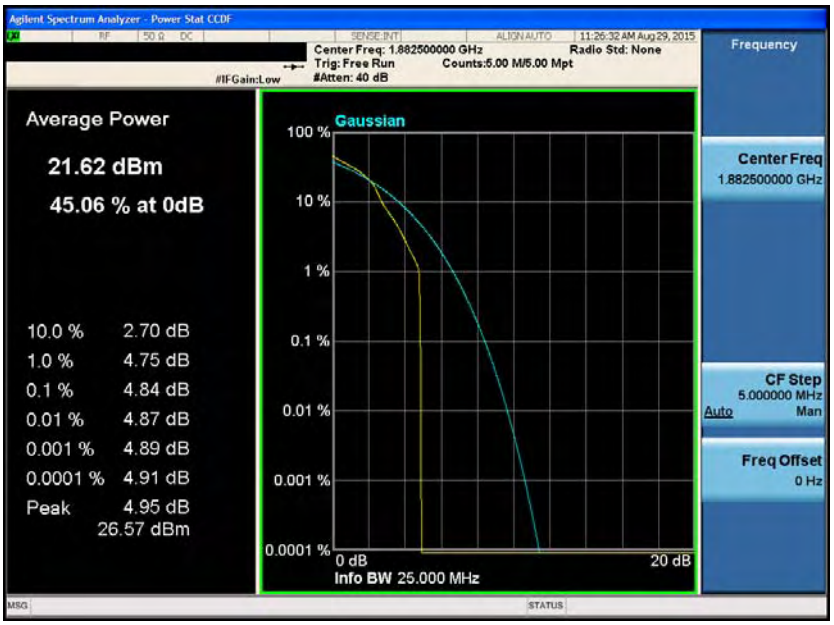
LTE Band 25 (Channel Bandwidth: 20 MHz) _ QPSK	
1882.5 MHz	

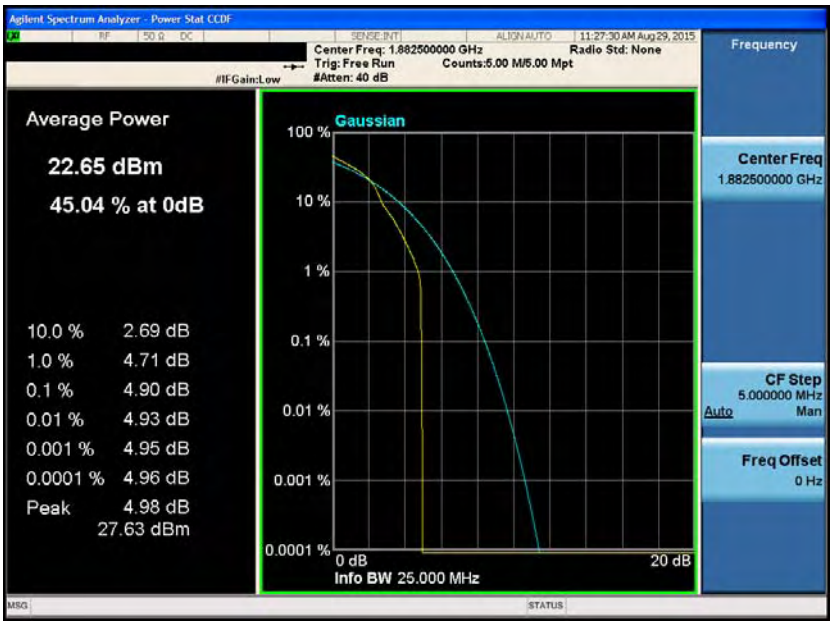
LTE Band 25 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
1882.5 MHz	

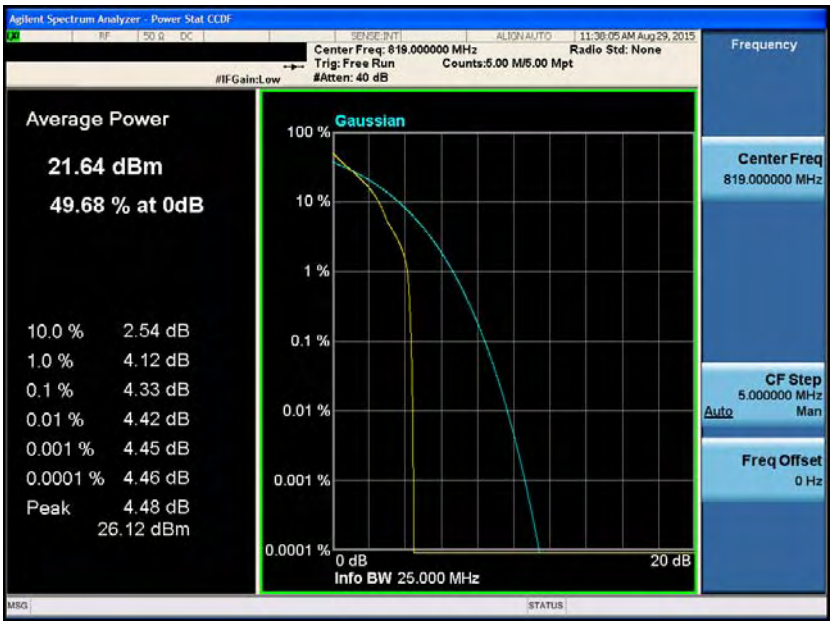
LTE Band 25 (Channel Bandwidth: 3 MHz) _ 16QAM	
1882.5 MHz	

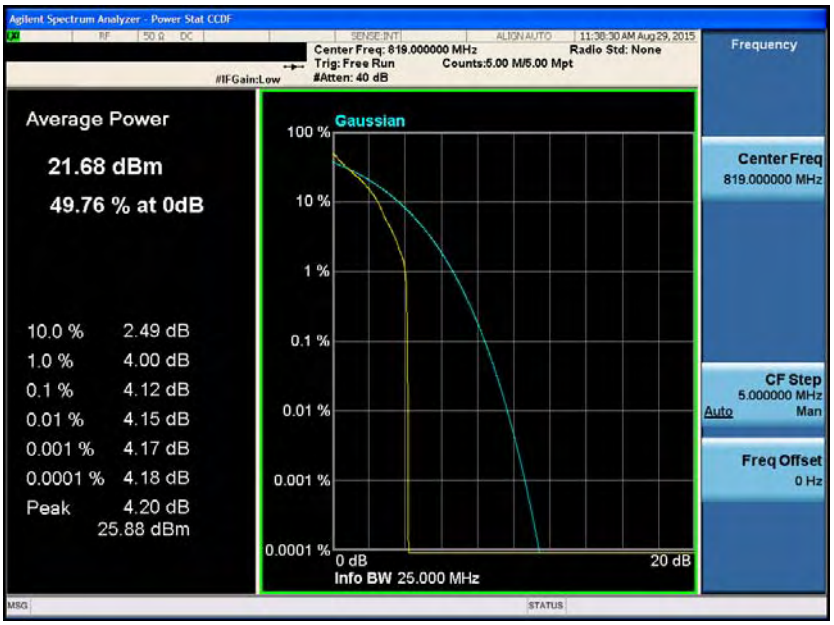
LTE Band 25 (Channel Bandwidth: 5 MHz) _ 16QAM	
1882.5 MHz	

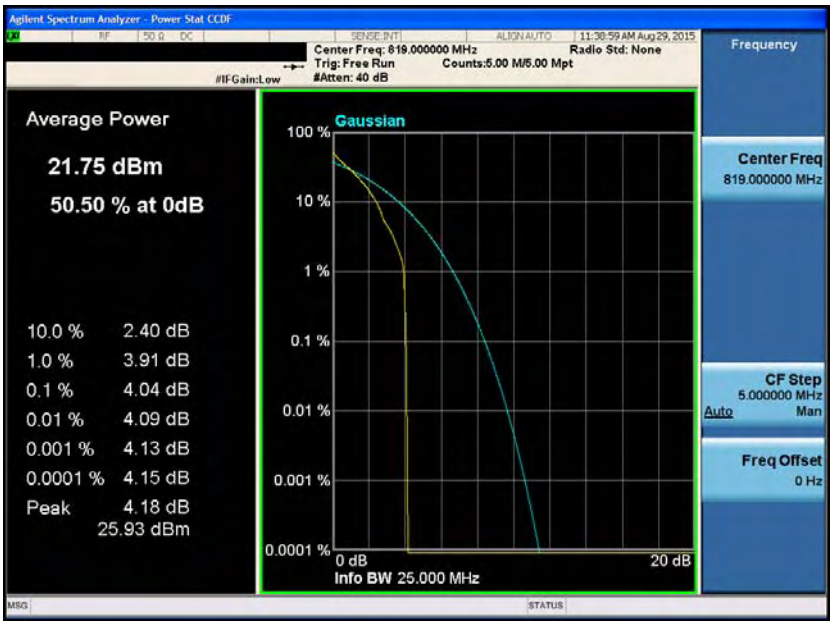
LTE Band 25 (Channel Bandwidth: 10 MHz) _ 16QAM	
1882.5 MHz	

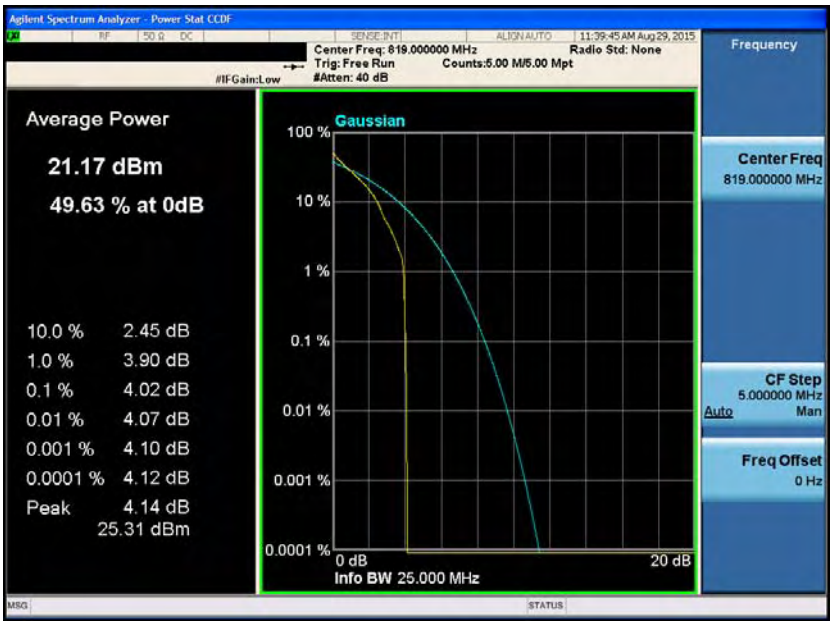
LTE Band 25 (Channel Bandwidth: 15 MHz) _ 16QAM	
1882.5 MHz	

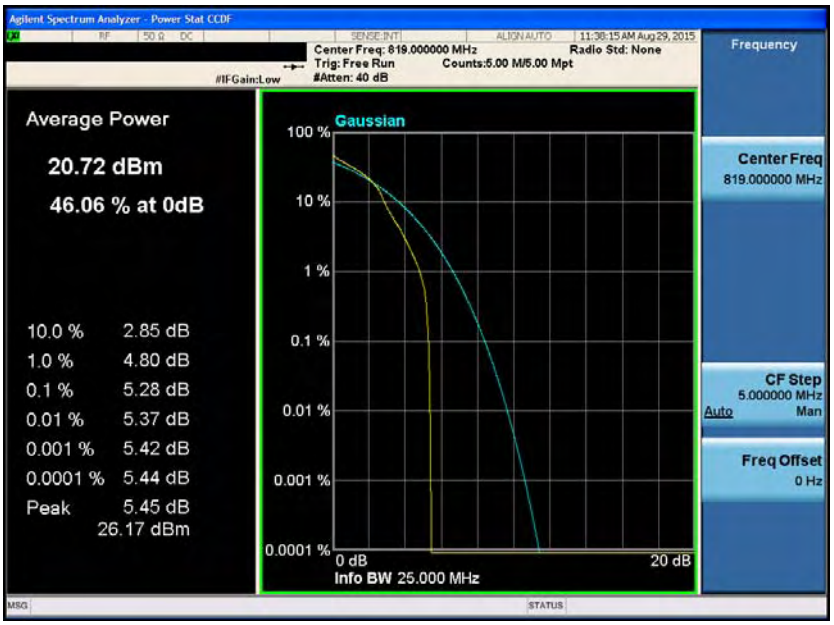
LTE Band 25 (Channel Bandwidth: 20 MHz) _ 16QAM	
1882.5 MHz	

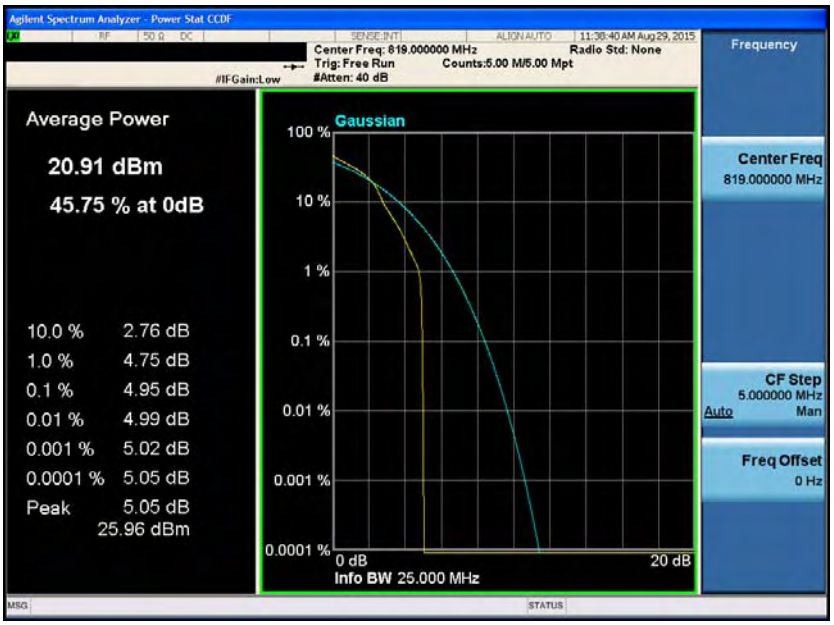
LTE Band 26_Part 90S (Channel Bandwidth: 1.4 MHz) _ QPSK	
819.0 MHz	

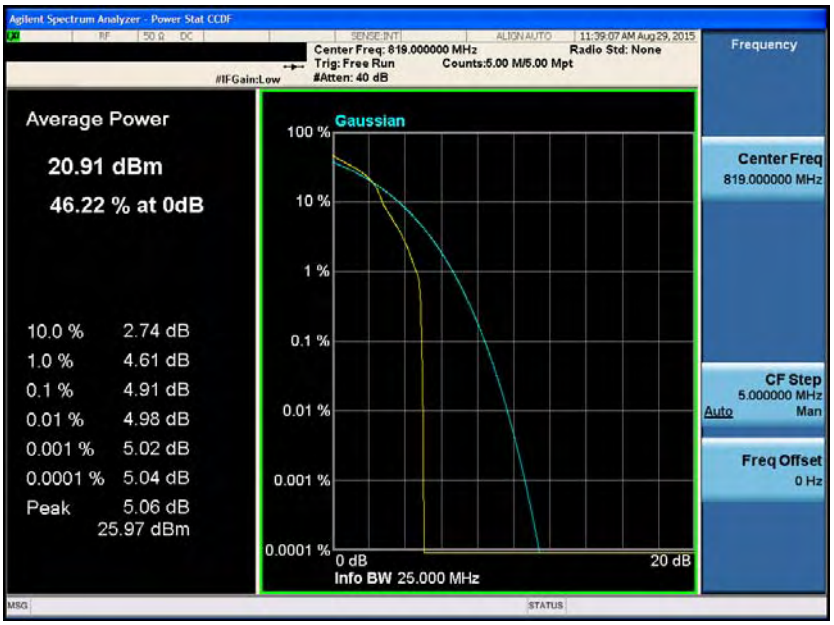
LTE Band 26_Part 90S (Channel Bandwidth: 3 MHz) _ QPSK	
819.0 MHz	

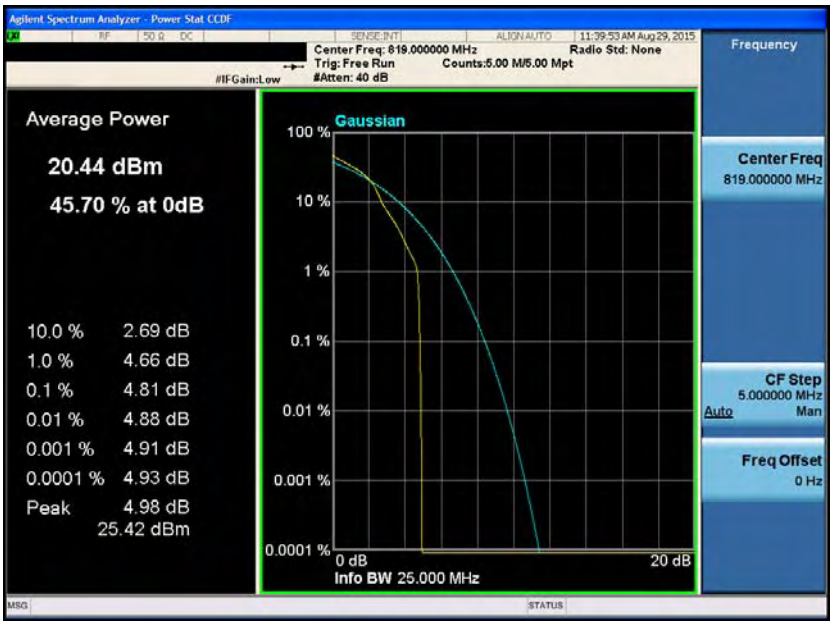
LTE Band 26_Part 90S (Channel Bandwidth: 5 MHz) _ QPSK	
819.0 MHz	

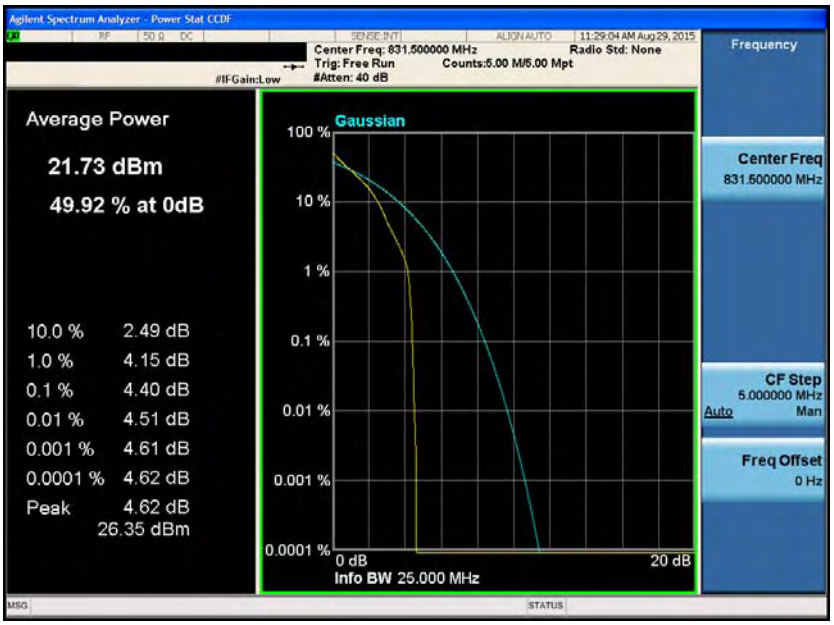
LTE Band 26_Part 90S (Channel Bandwidth: 10 MHz) _ QPSK	
819.0 MHz	

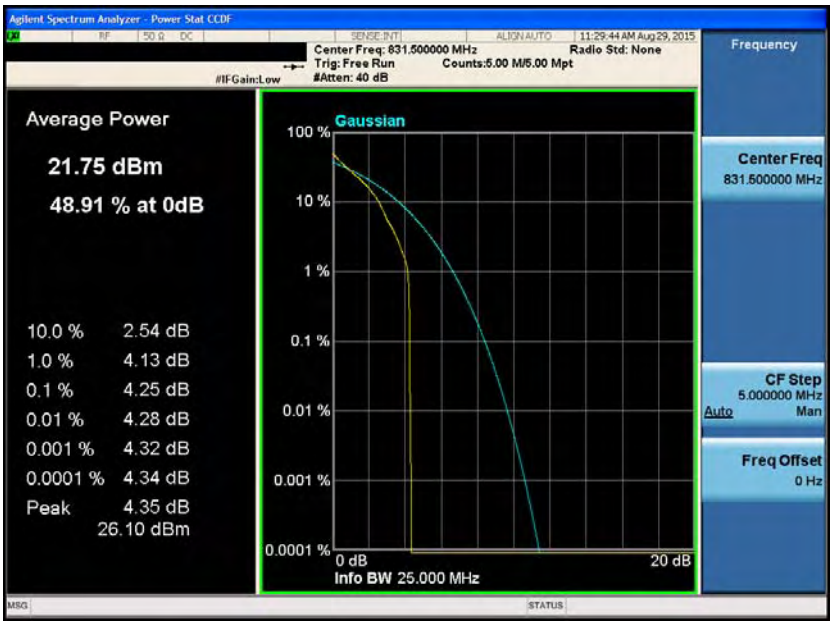
LTE Band 26_Part 90S (Channel Bandwidth: 1.4 MHz) _ 16QAM	
819.0 MHz	

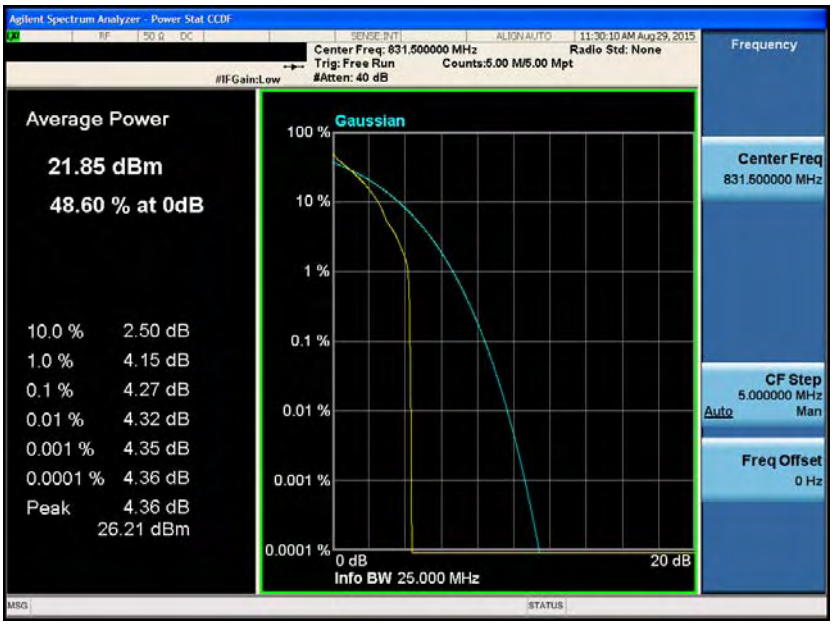
LTE Band 26_Part 90S (Channel Bandwidth: 3 MHz) _ 16QAM	
819.0 MHz	

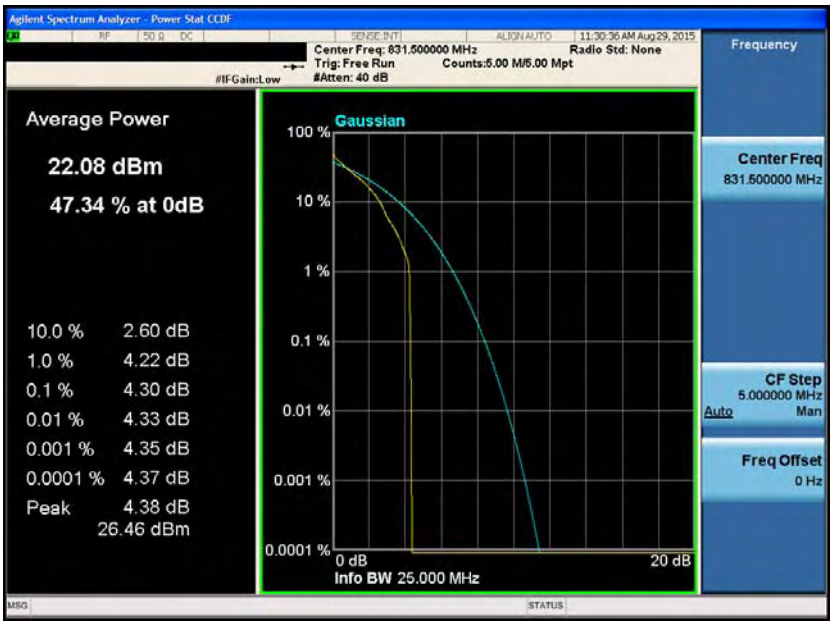
LTE Band 26_Part 90S (Channel Bandwidth: 5 MHz) _ 16QAM	
819.0 MHz	

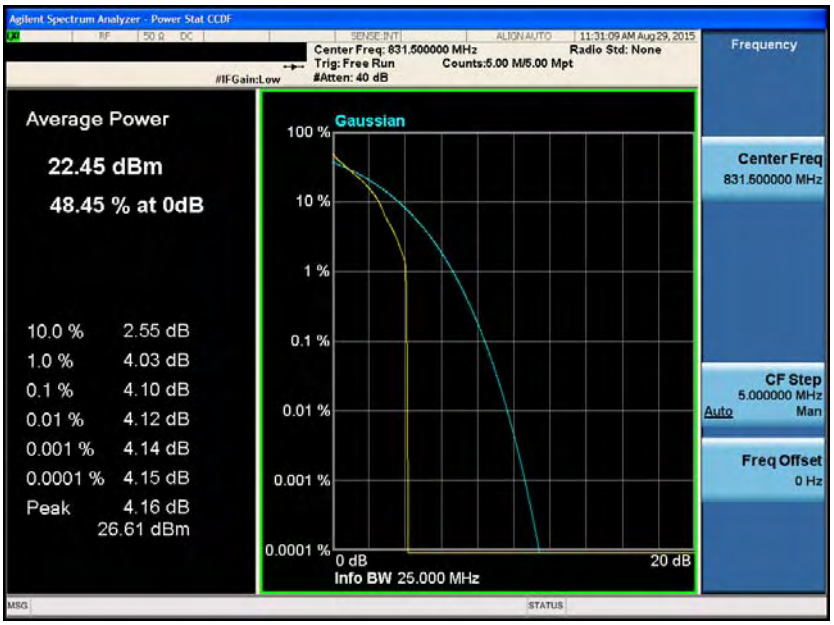
LTE Band 26_Part 90S (Channel Bandwidth: 10 MHz) _ 16QAM	
819.0 MHz	

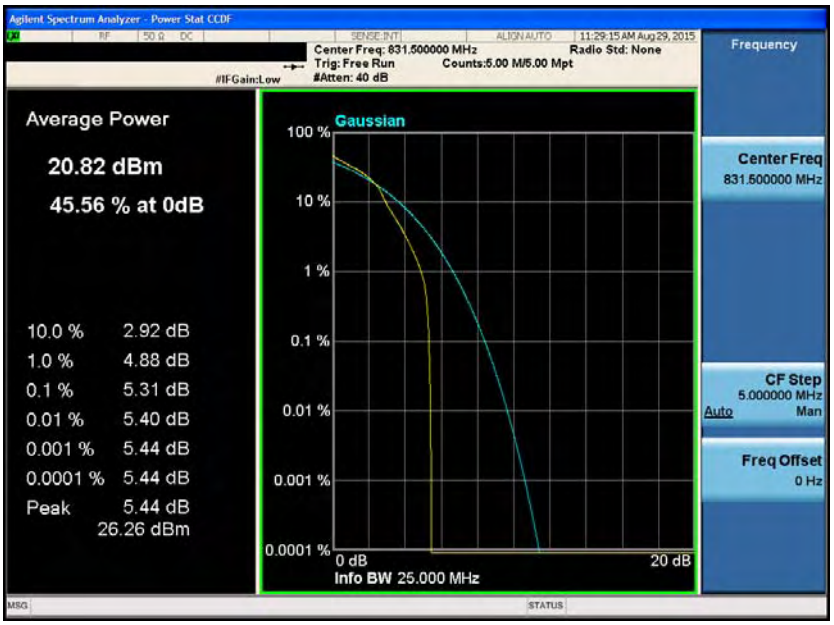
LTE Band 26_Part 22H (Channel Bandwidth: 1.4 MHz) _ QPSK	
831.5 MHz	

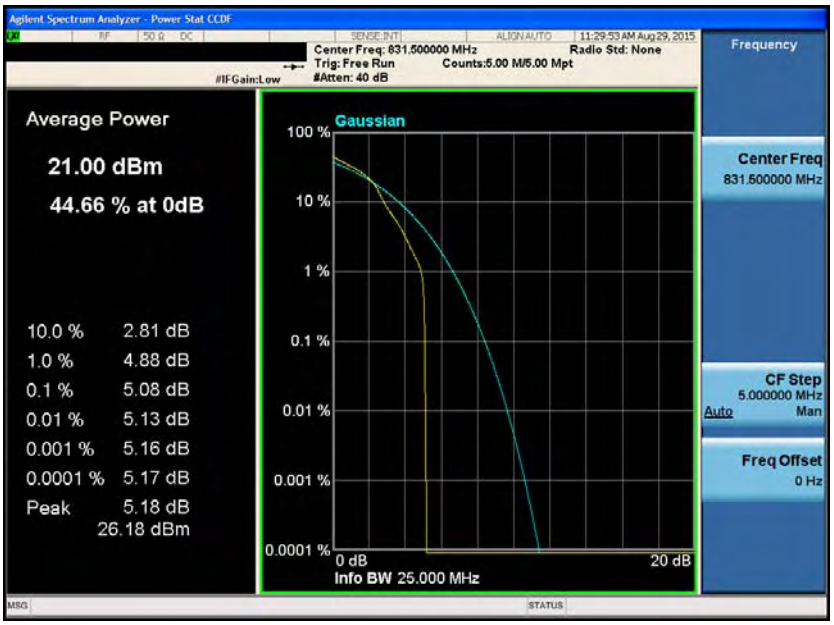
LTE Band 26_Part 22H (Channel Bandwidth: 3 MHz) _ QPSK	
831.5 MHz	

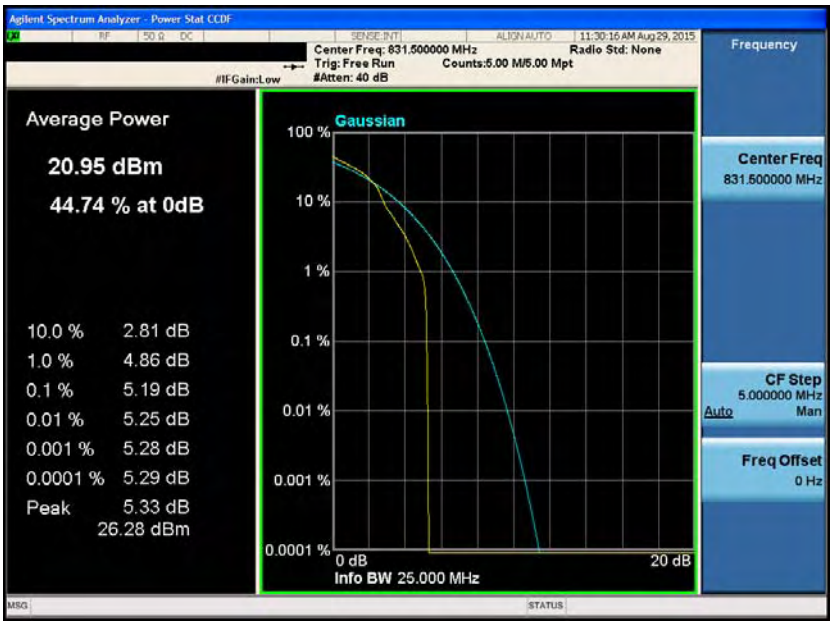
LTE Band 26_Part 22H (Channel Bandwidth: 5 MHz) _ QPSK	
831.5 MHz	

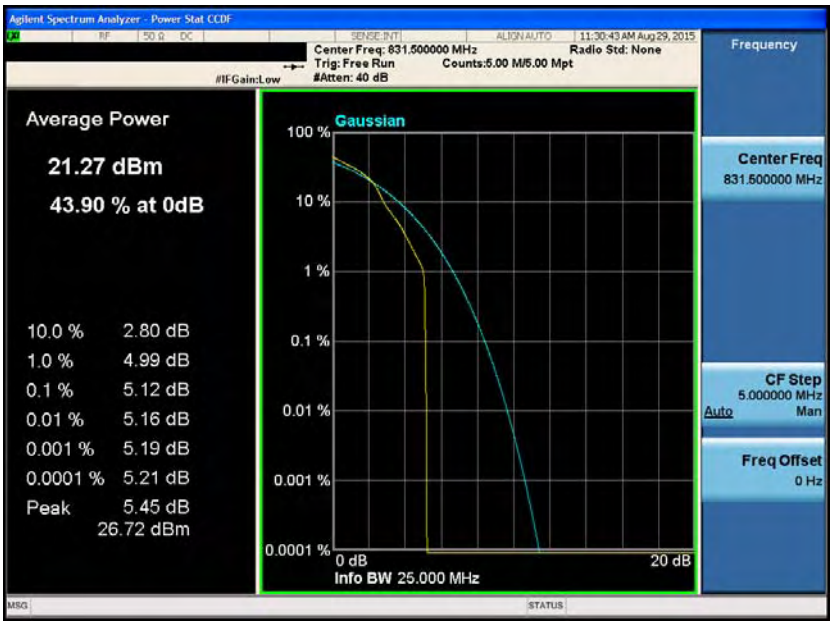
LTE Band 26_Part 22H (Channel Bandwidth: 10 MHz) _ QPSK	
831.5 MHz	

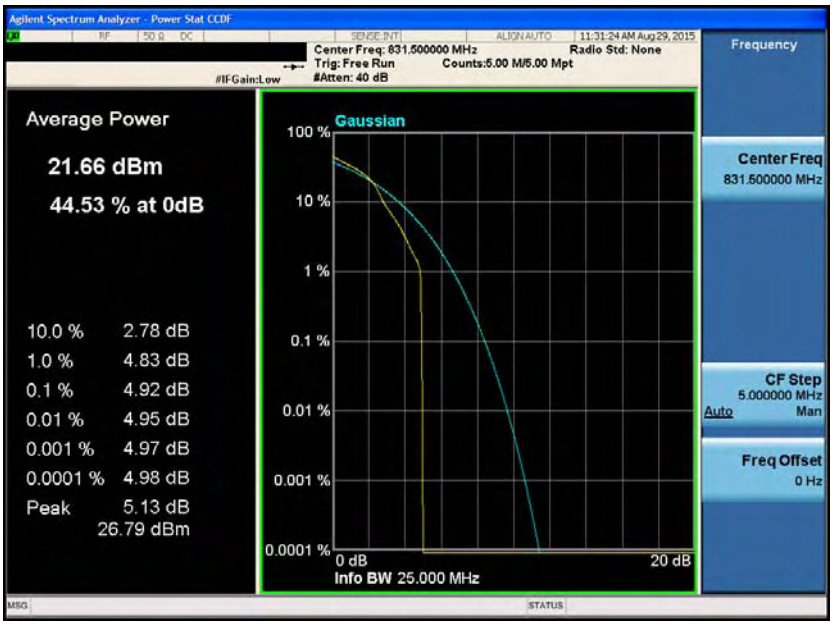
LTE Band 26_Part 22H (Channel Bandwidth: 15 MHz) _ QPSK	
831.5 MHz	

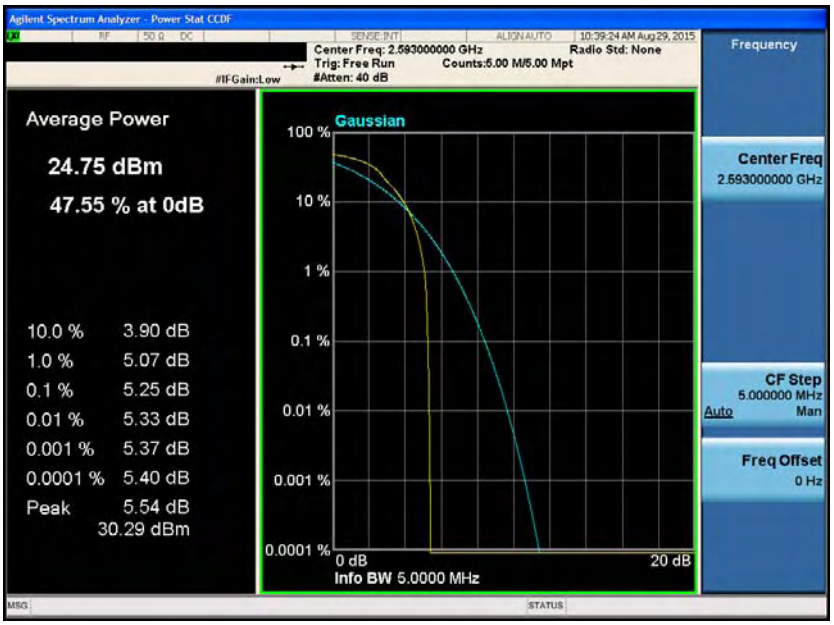
LTE Band 26_Part 22H (Channel Bandwidth: 1.4 MHz) _ 16QAM	
831.5 MHz	

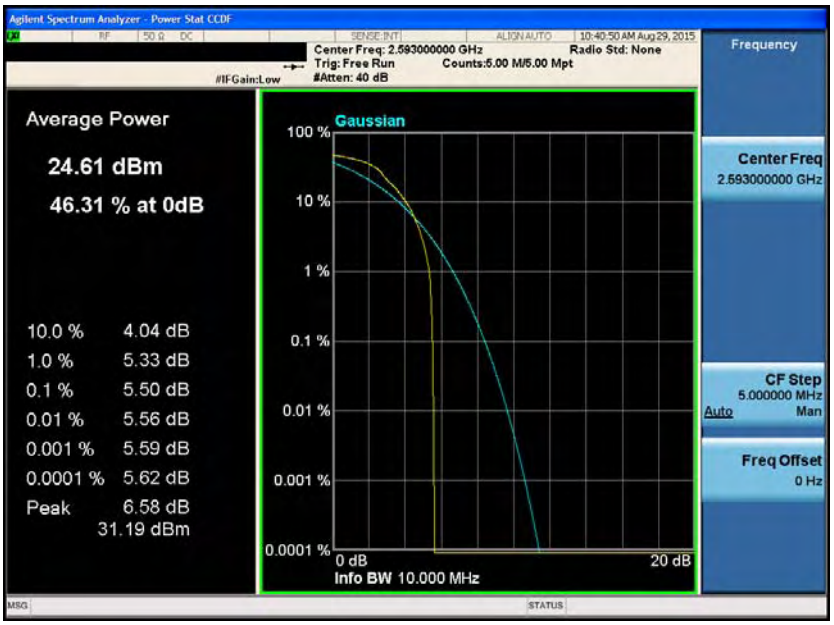
LTE Band 26_Part 22H (Channel Bandwidth: 3 MHz) _ 16QAM	
831.5 MHz	

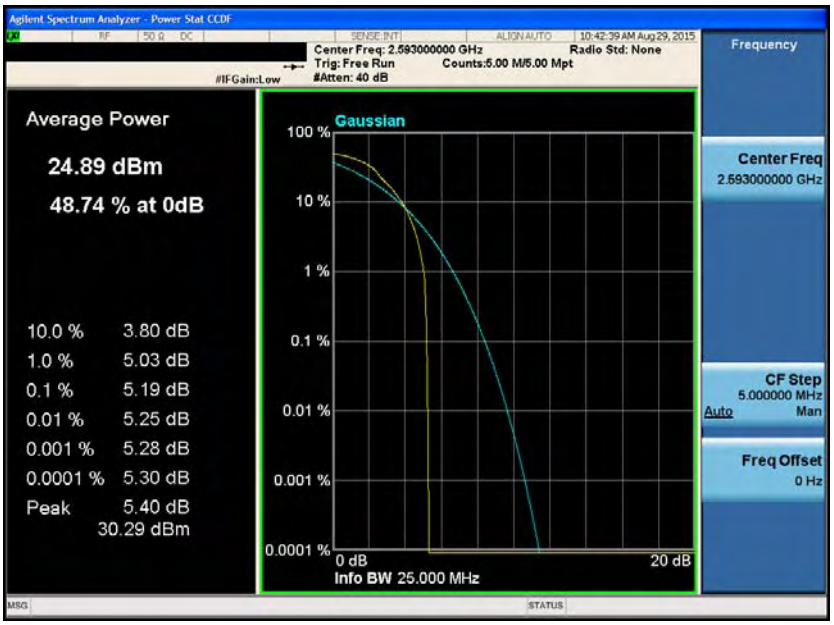
LTE Band 26_Part 22H (Channel Bandwidth: 5 MHz) _ 16QAM	
831.5 MHz	

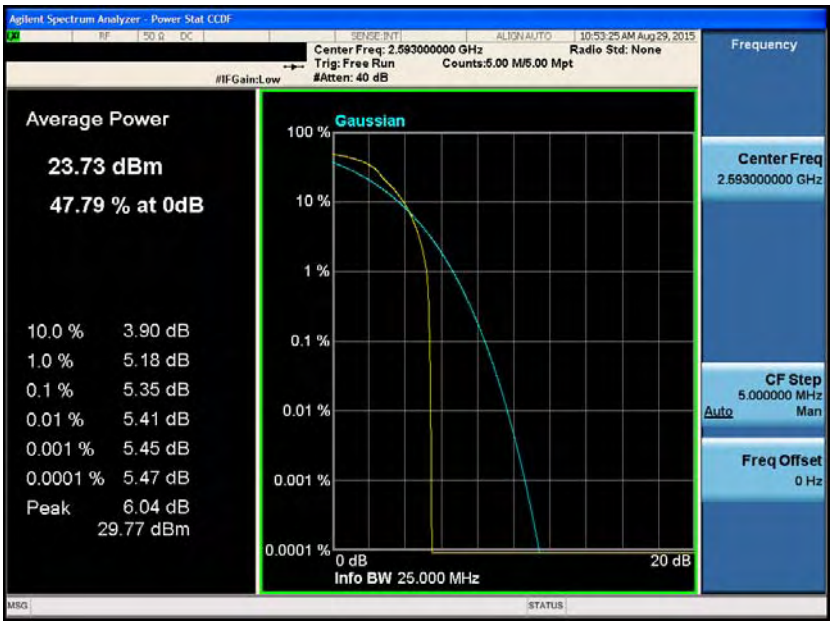
LTE Band 26_Part 22H (Channel Bandwidth: 10 MHz) _ 16QAM	
831.5 MHz	

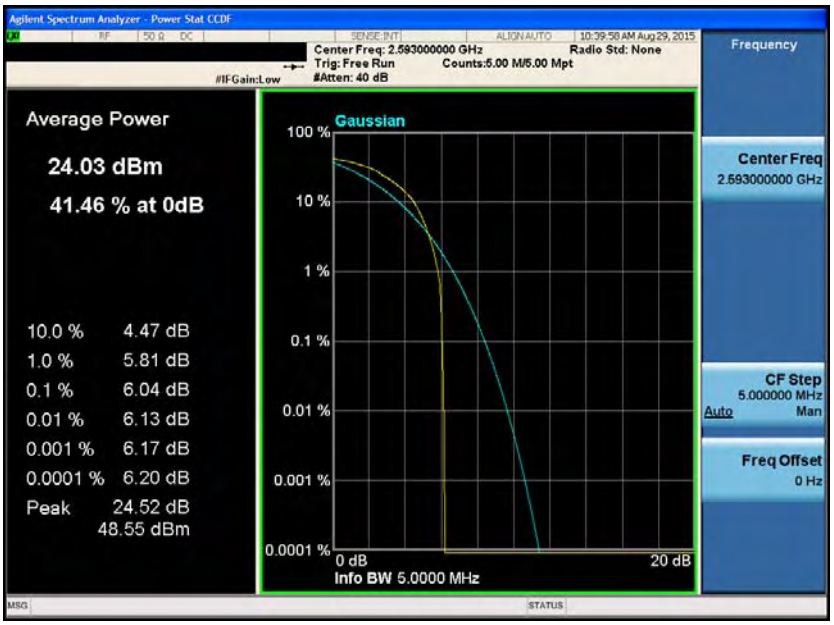
LTE Band 26_Part 22H (Channel Bandwidth: 15 MHz) _ 16QAM	
831.5 MHz	

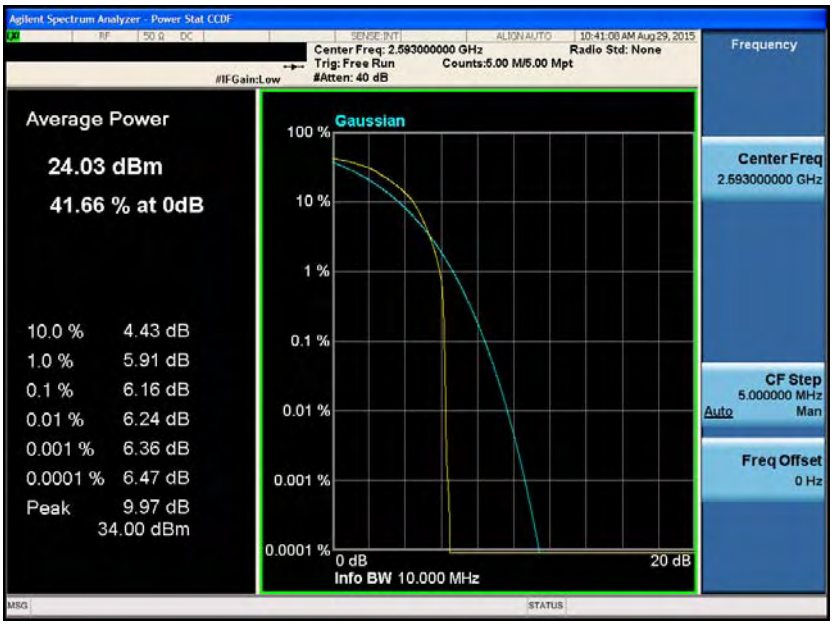
LTE Band 41 (Channel Bandwidth: 5 MHz) _ QPSK	
2593.0 MHz	

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

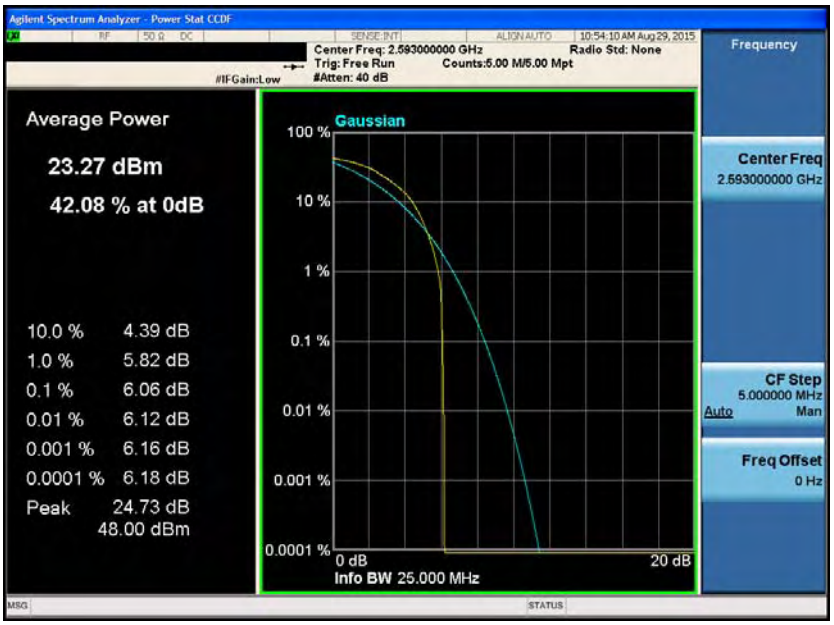
LTE Band 41 (Channel Bandwidth: 15 MHz) _ QPSK	
2593.0 MHz	

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.

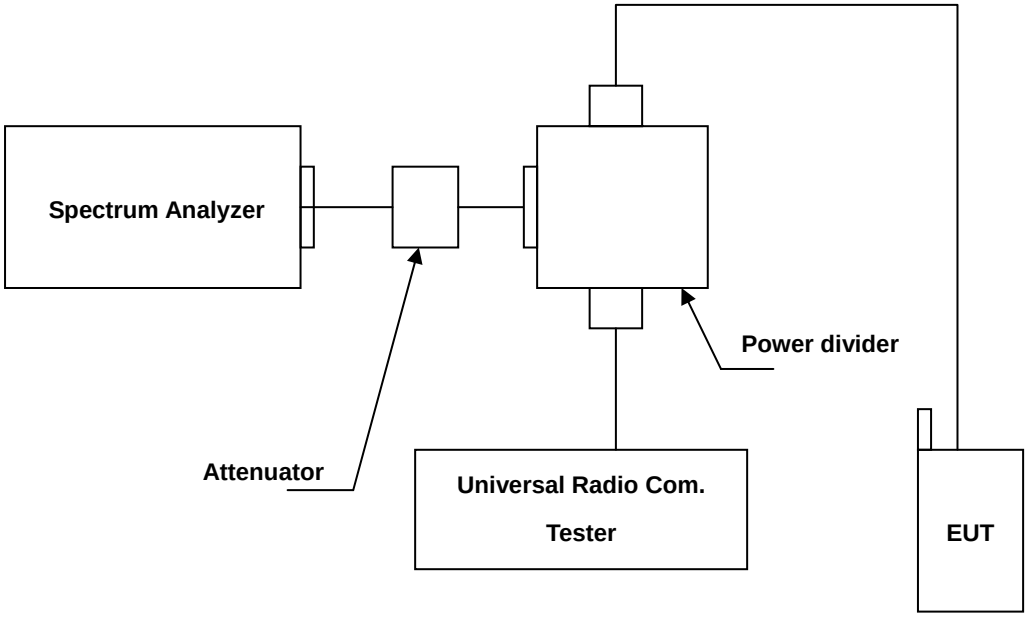
7.2. Test Instruments

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

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

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

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 link data modulation. The power was measured with Spectrum Analyzer.

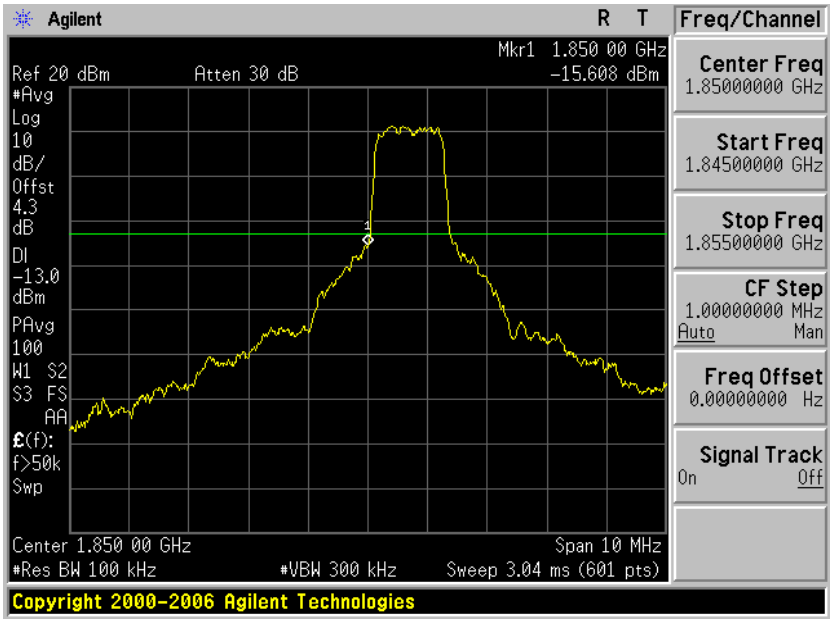
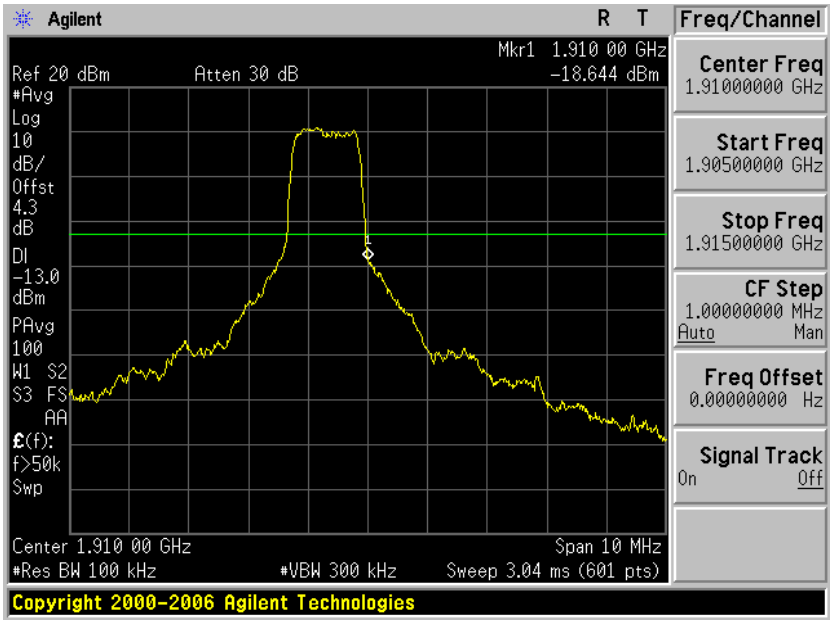
b. The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

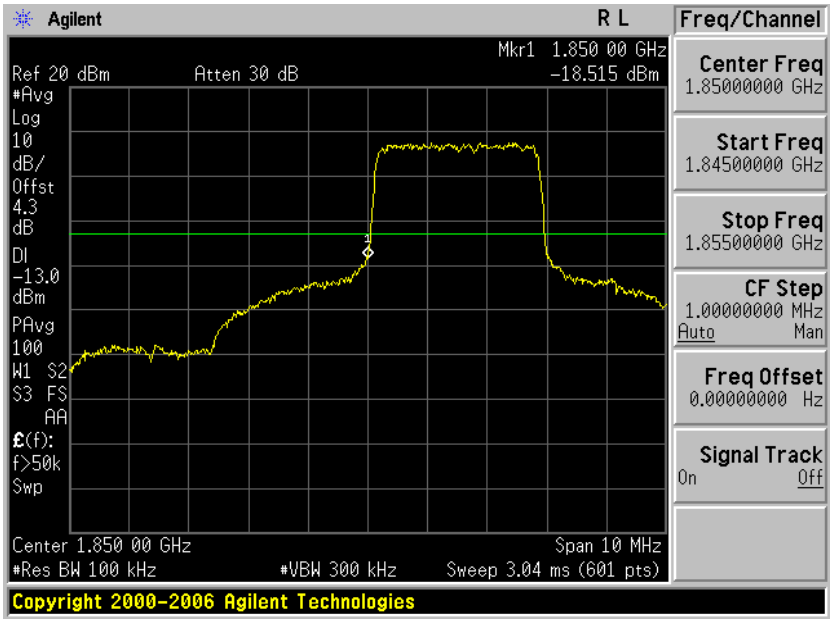
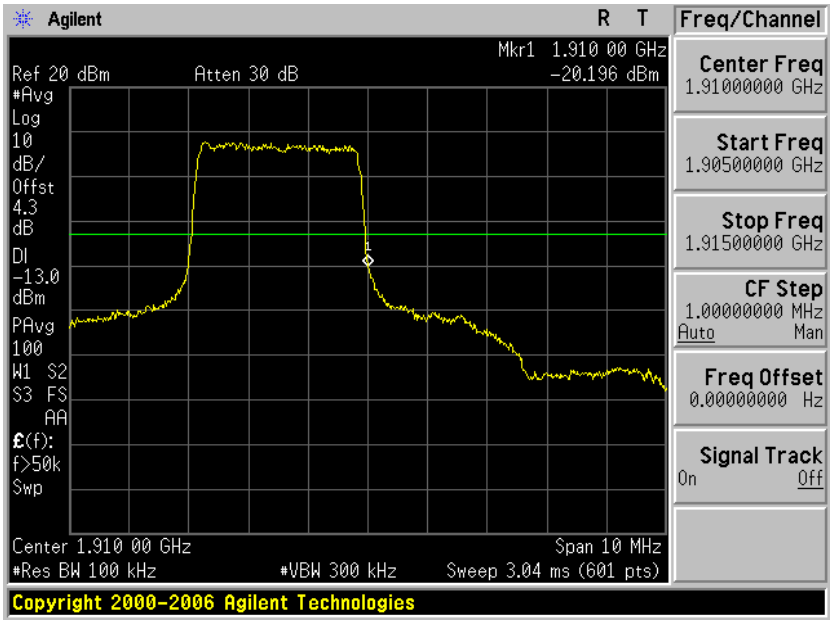
c. Record the max trace plot into the test report.

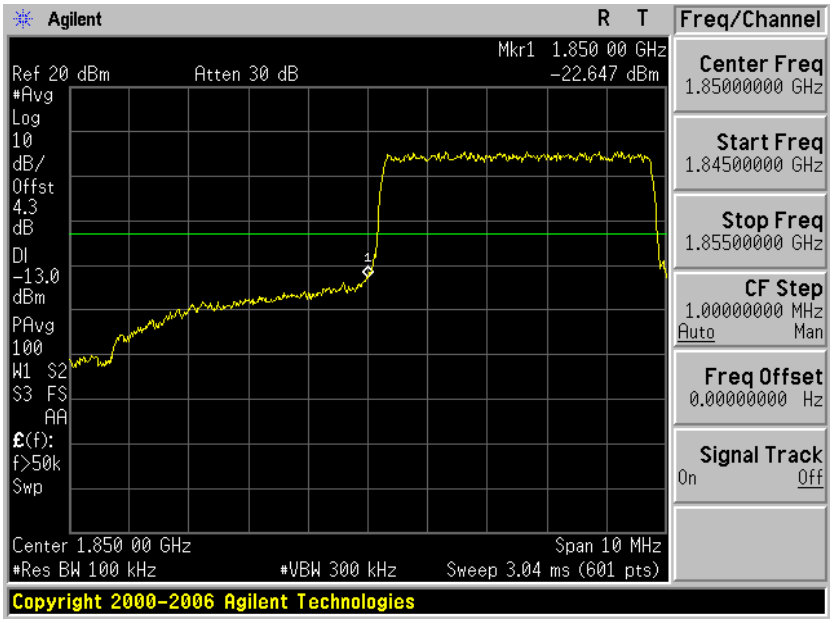
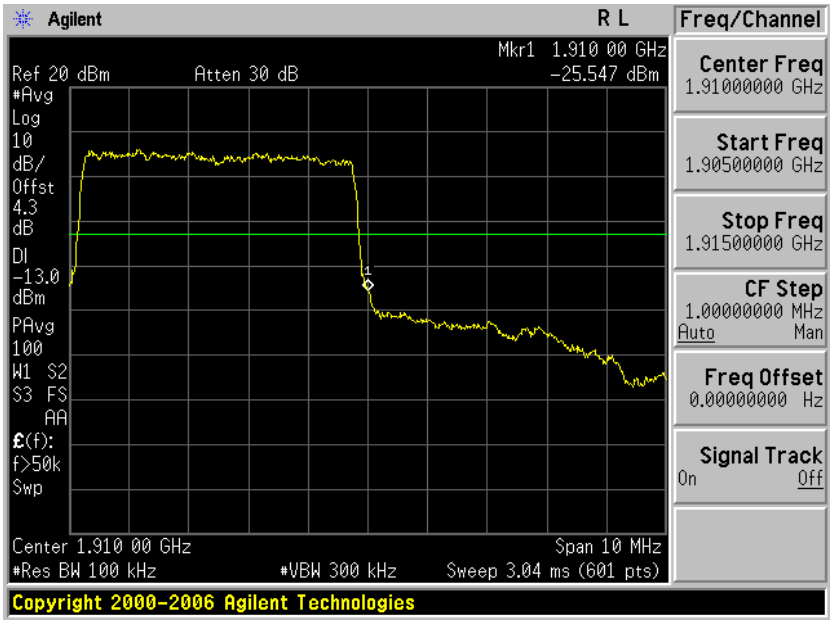
7.5. Uncertainty

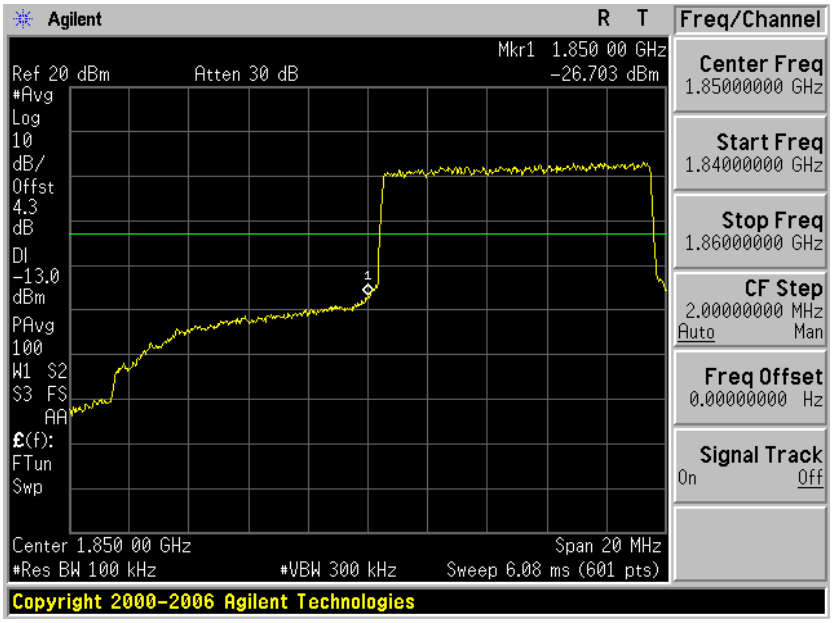
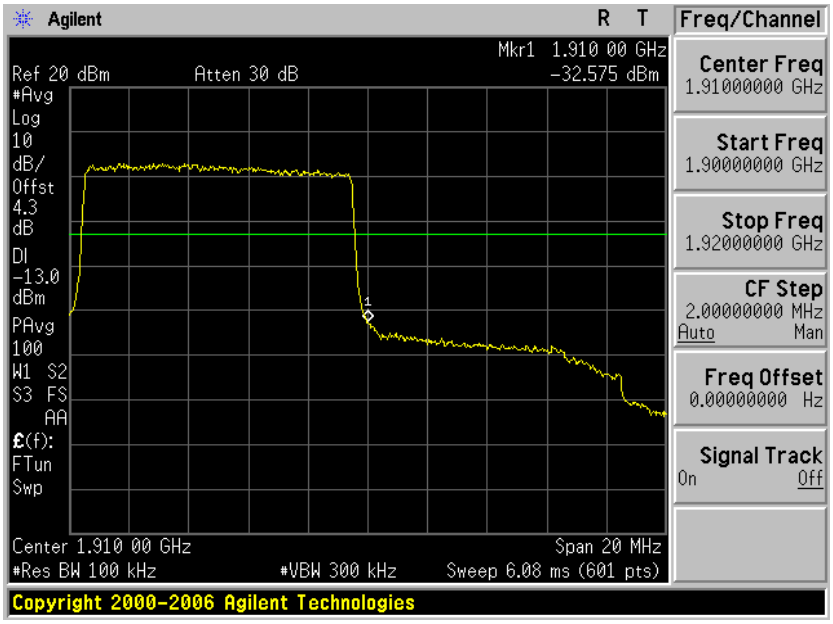
The measurement uncertainty is defined as for Conducted Power measurement is 1.2 dB.

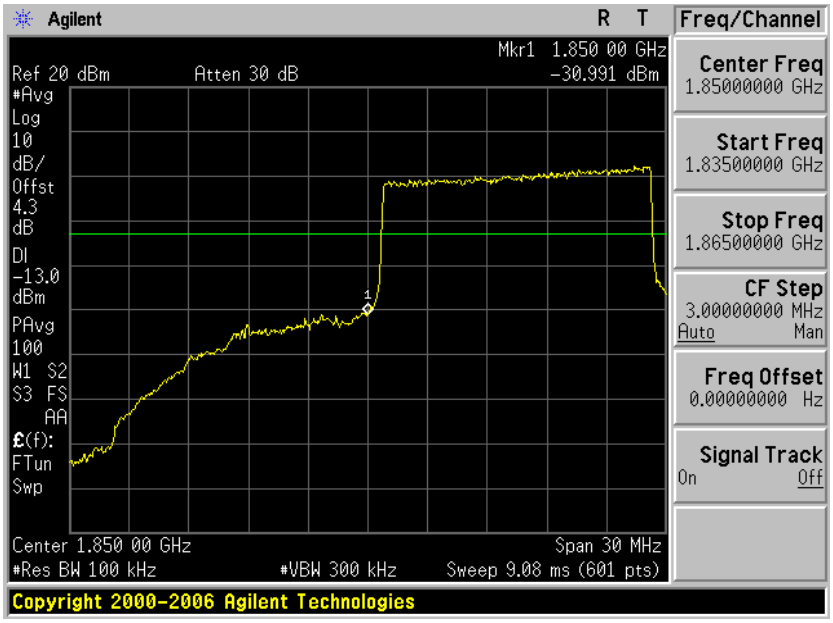
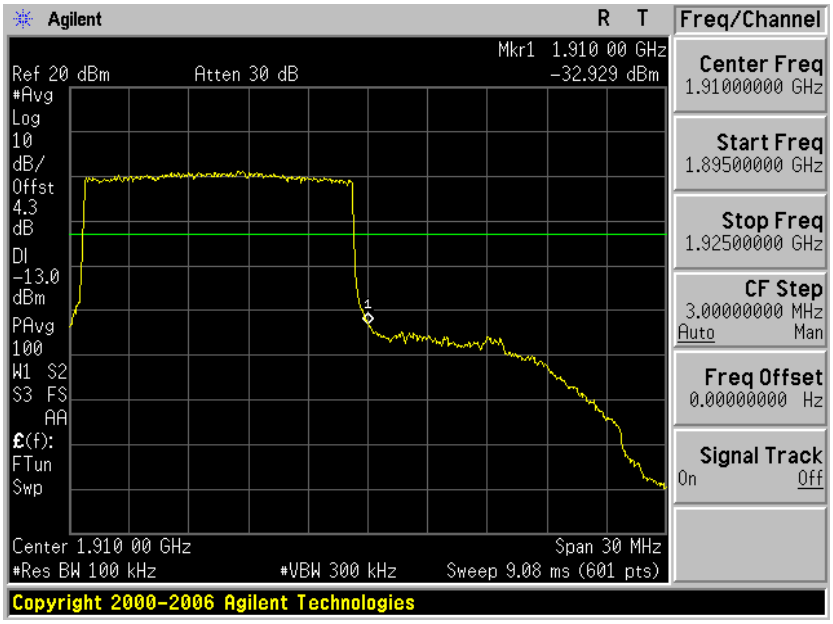
7.6. Test Result

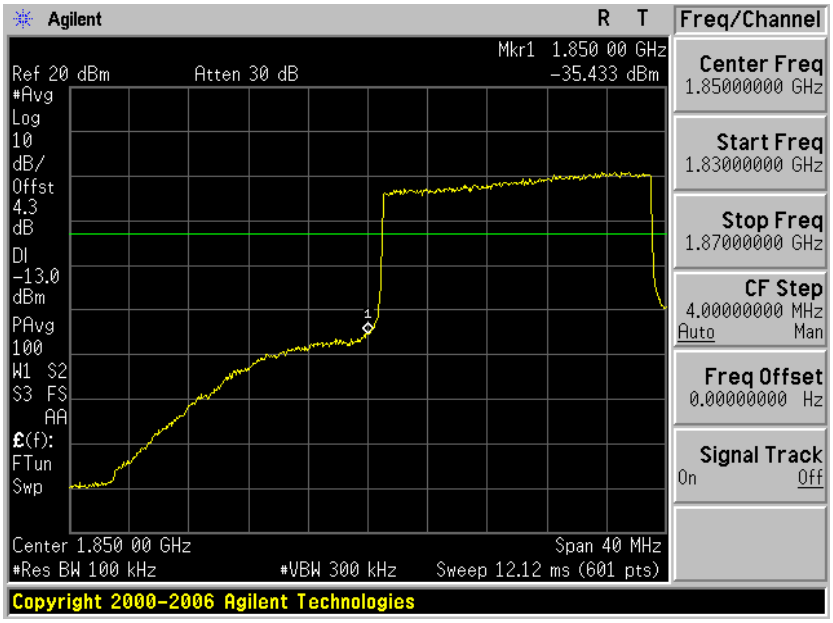
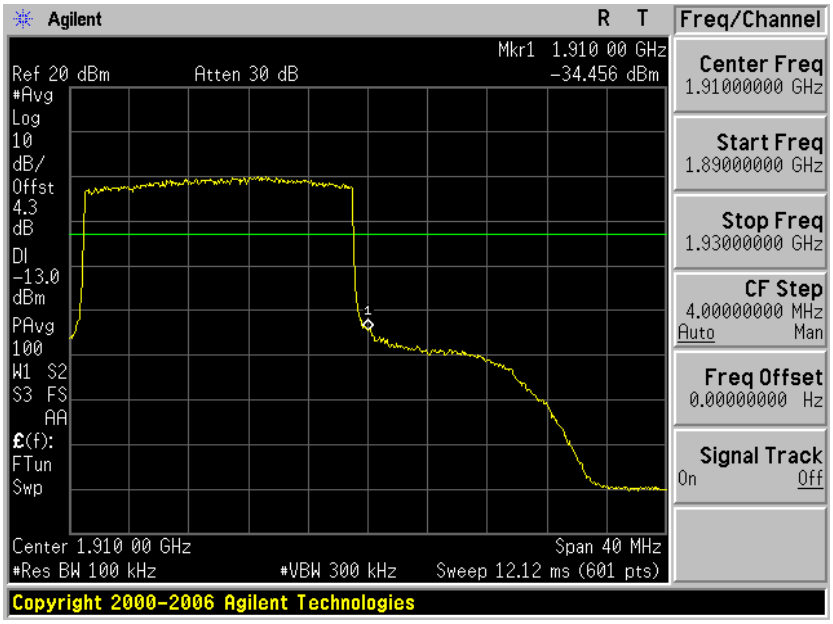
Frequency	LTE Band 2	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

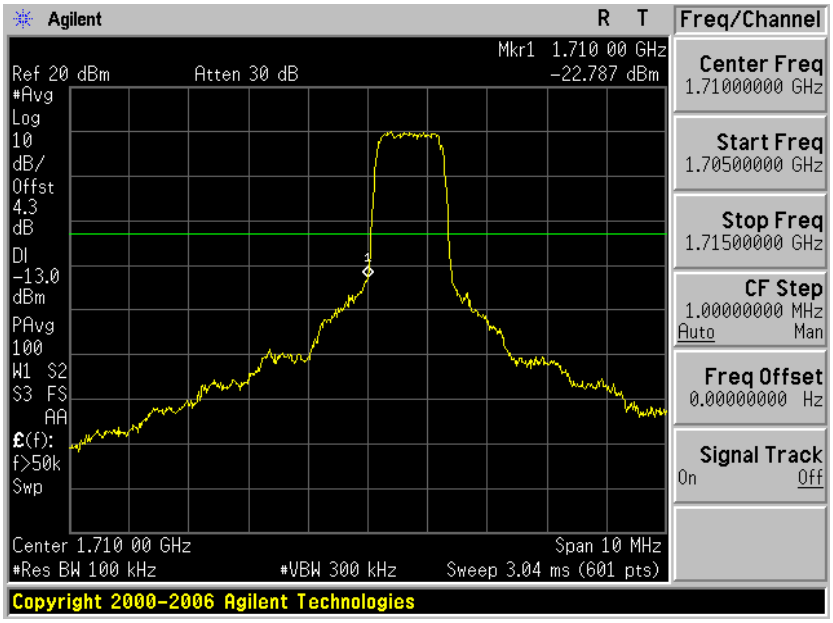
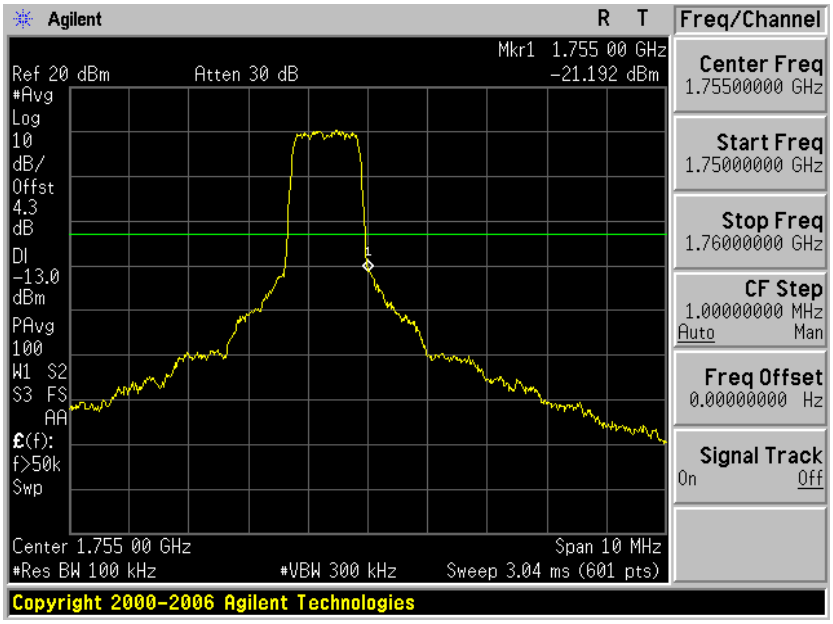
Frequency	LTE Band 2	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge					
Higher Band Edge					

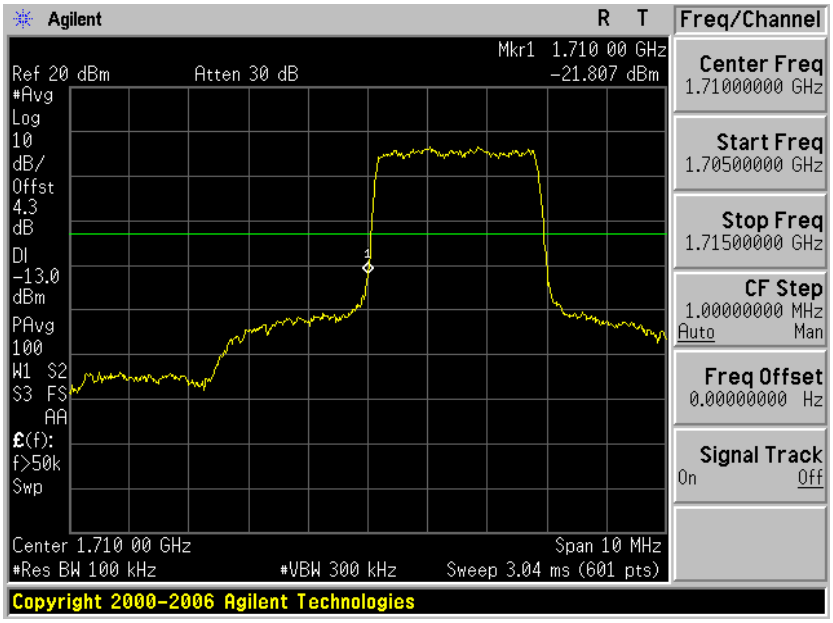
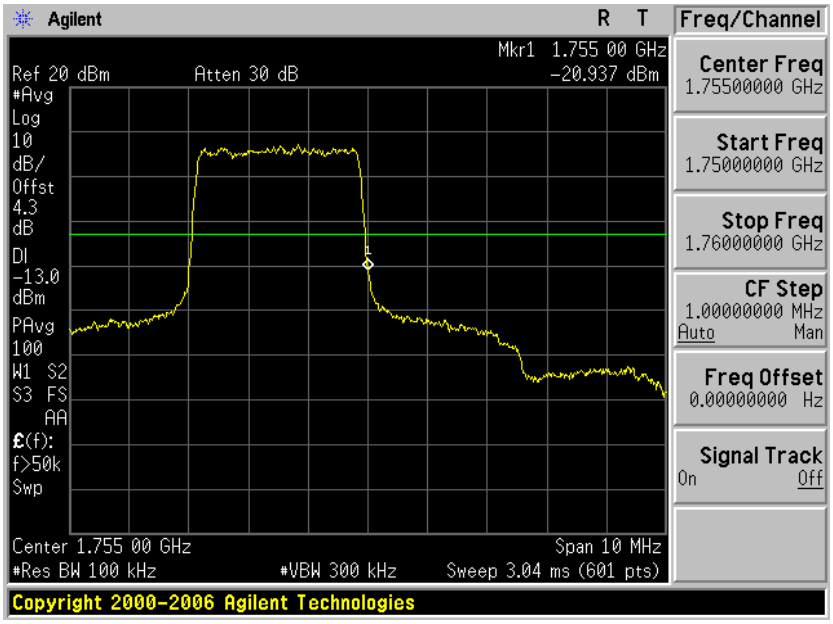
Frequency	LTE Band 2	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
Higher Band Edge					

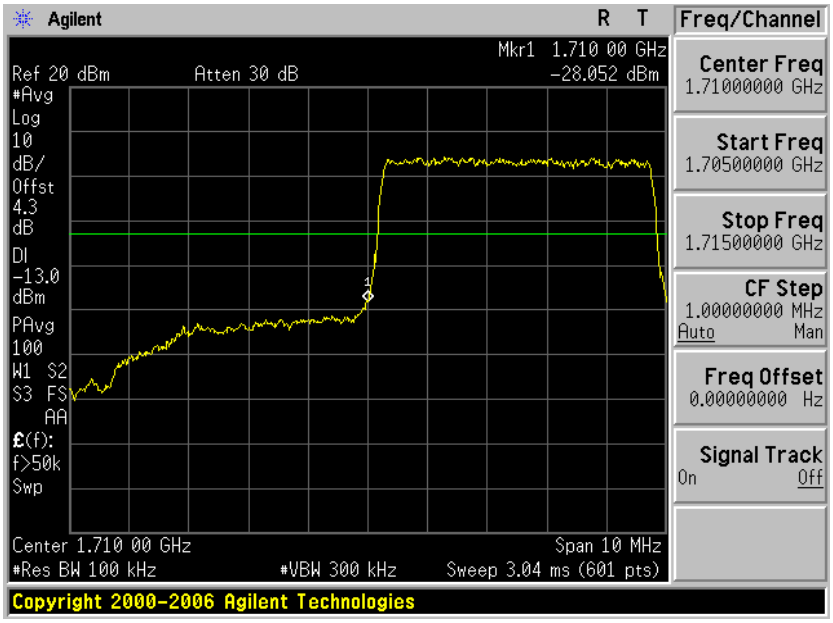
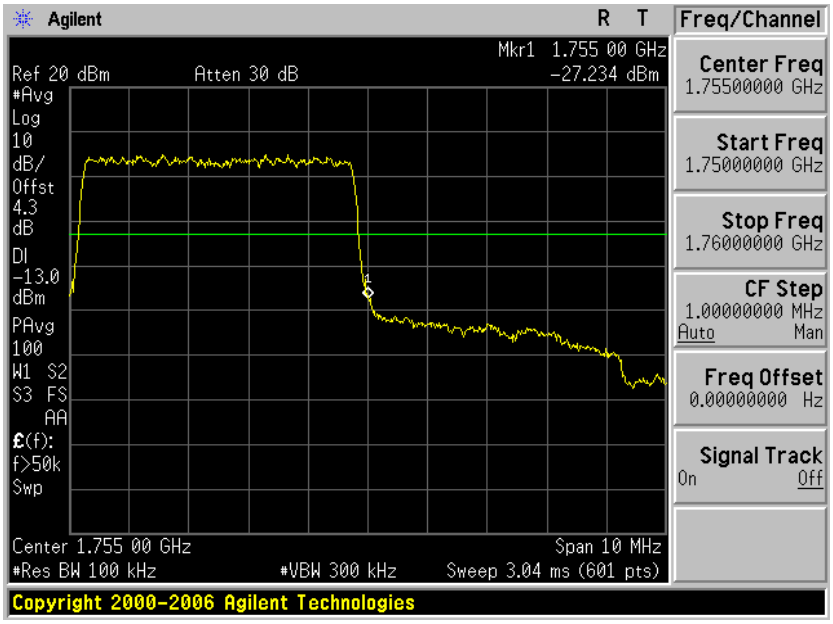
Frequency	LTE Band 2	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
Higher Band Edge					

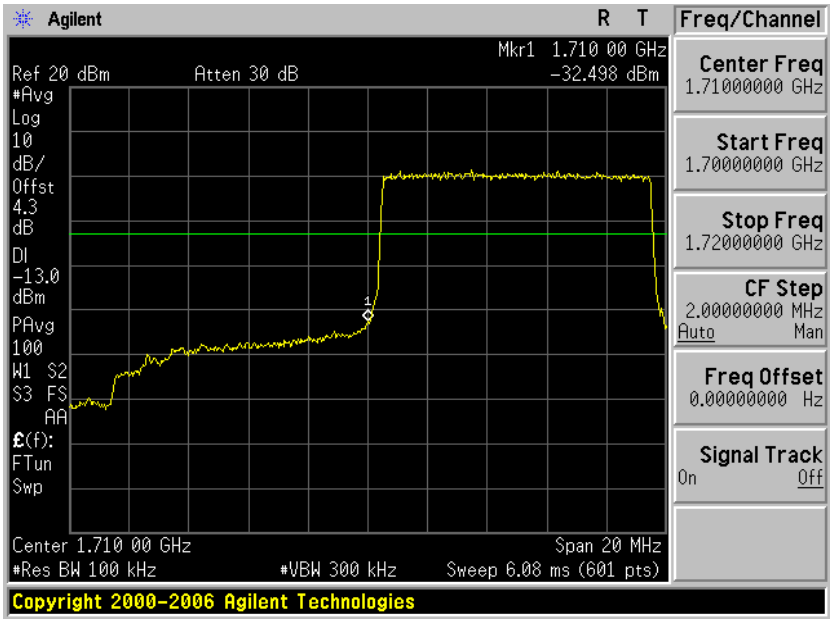
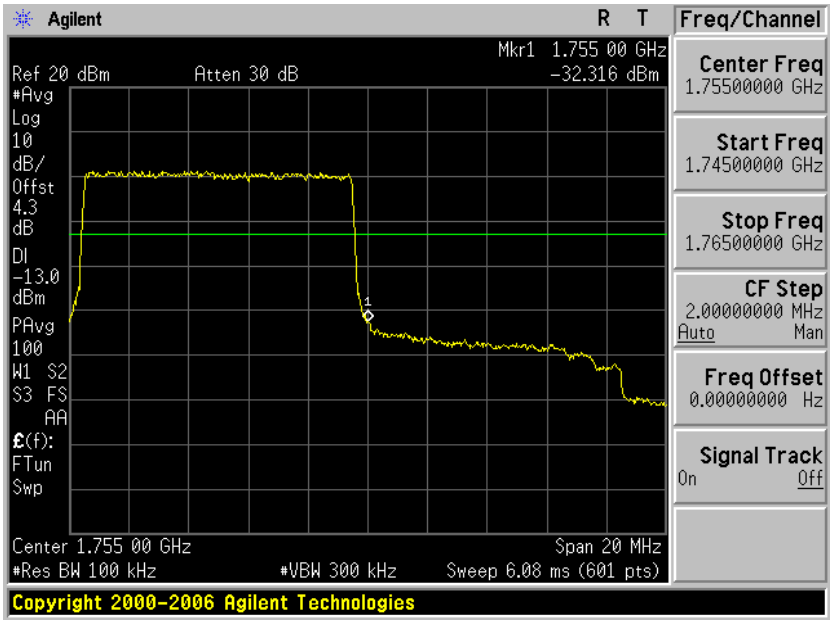
Frequency	LTE Band 2	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge					
Higher Band Edge					

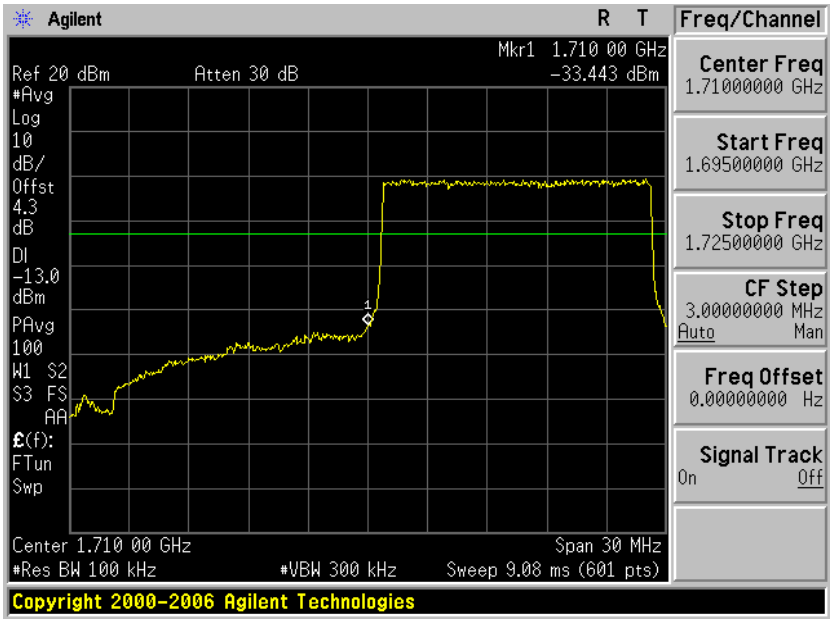
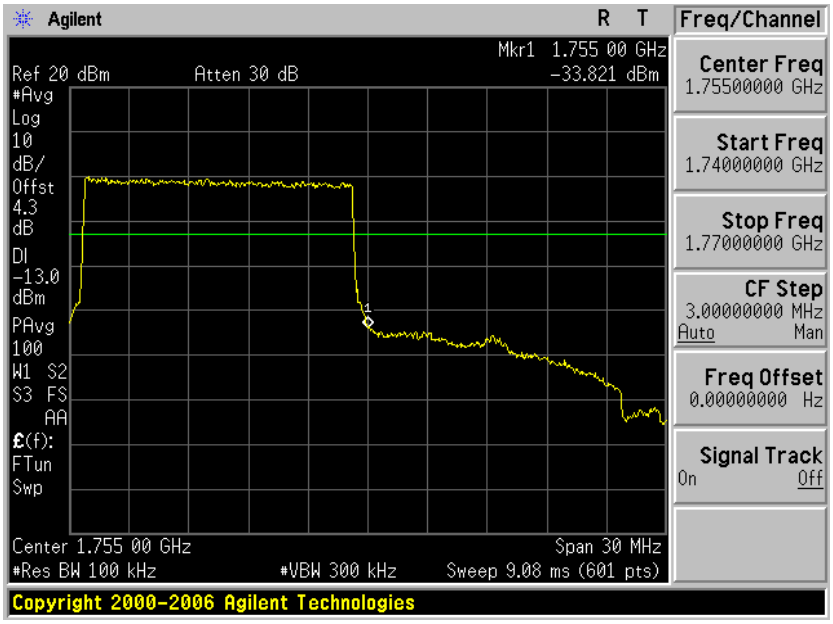
Frequency	LTE Band 2	Channel Bandwidth	20 MHz	RB Allocated	100
Lower Band Edge					
Higher Band Edge					

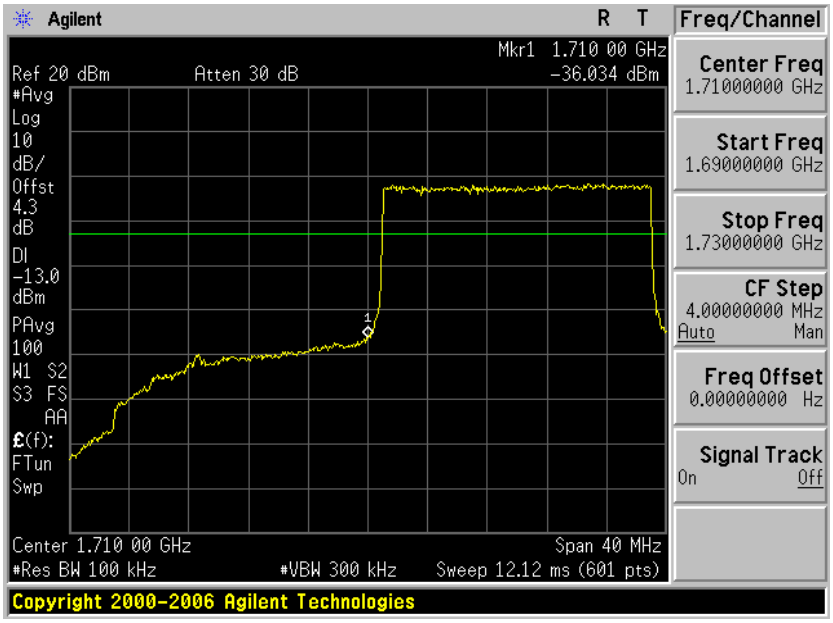
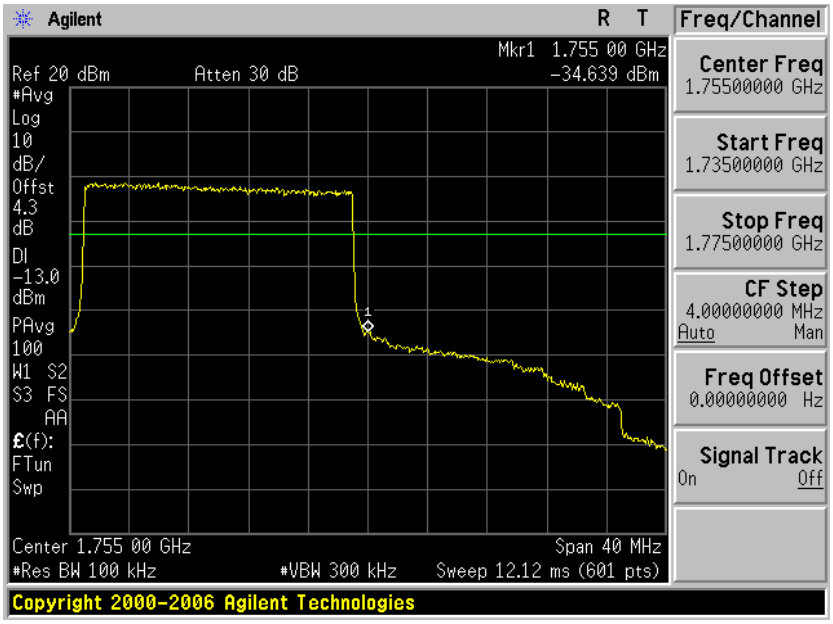
Frequency	LTE Band 4	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

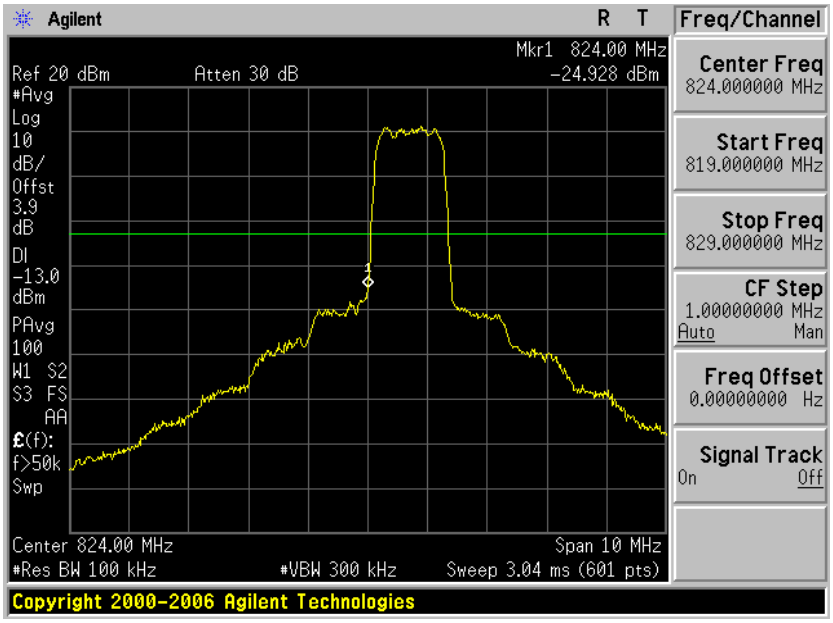
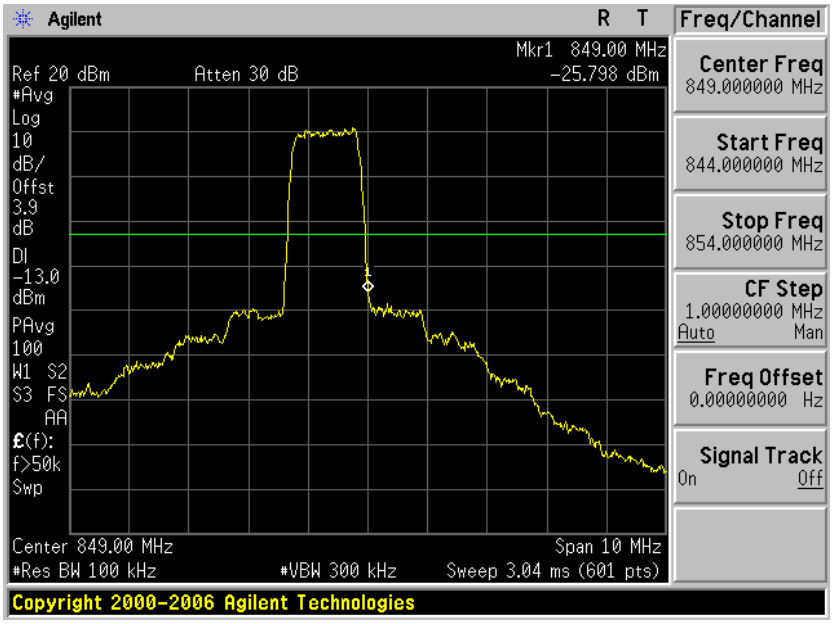
Frequency	LTE Band 4	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge					
Higher Band Edge					

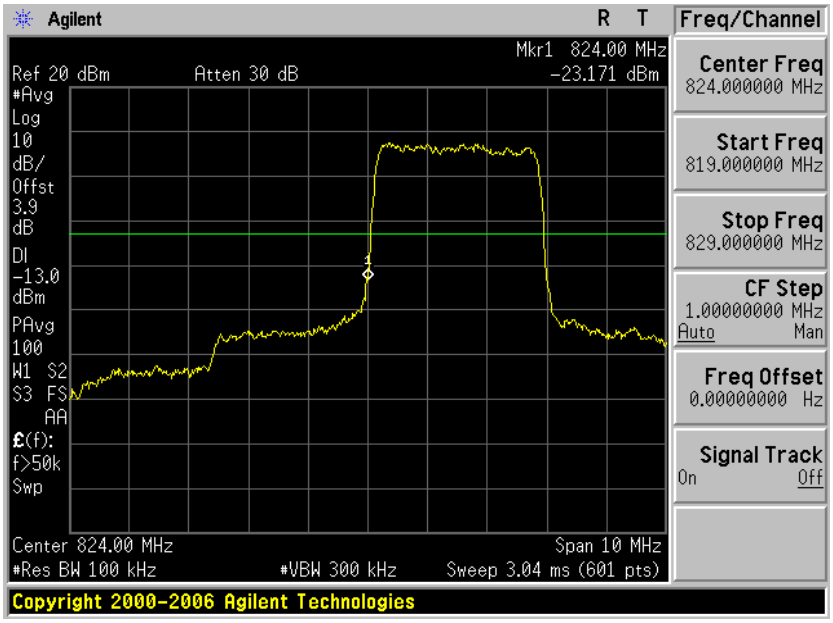
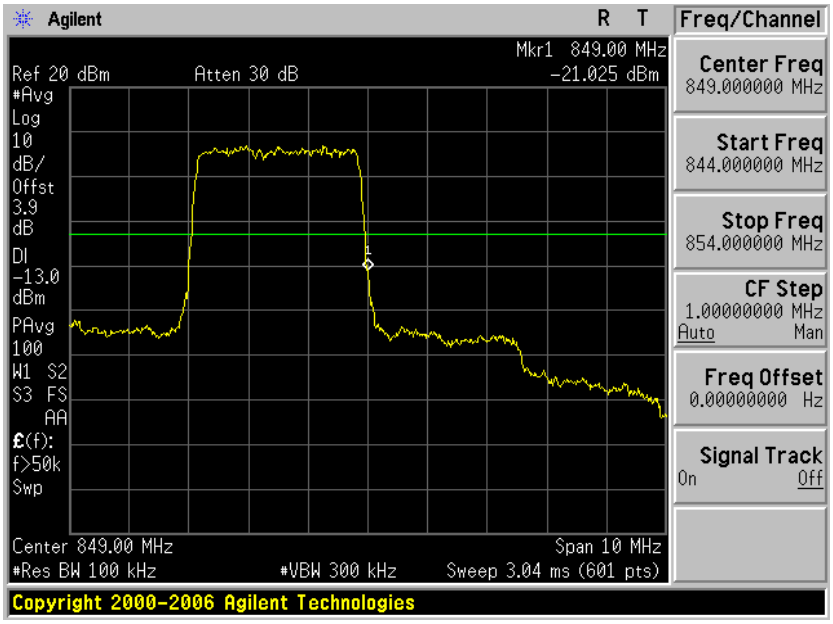
Frequency	LTE Band 4	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
Higher Band Edge					

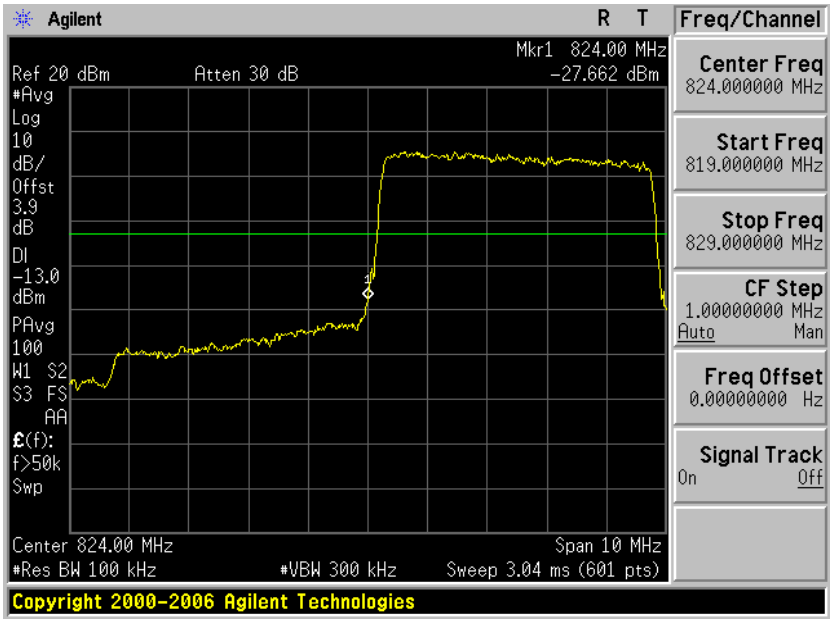
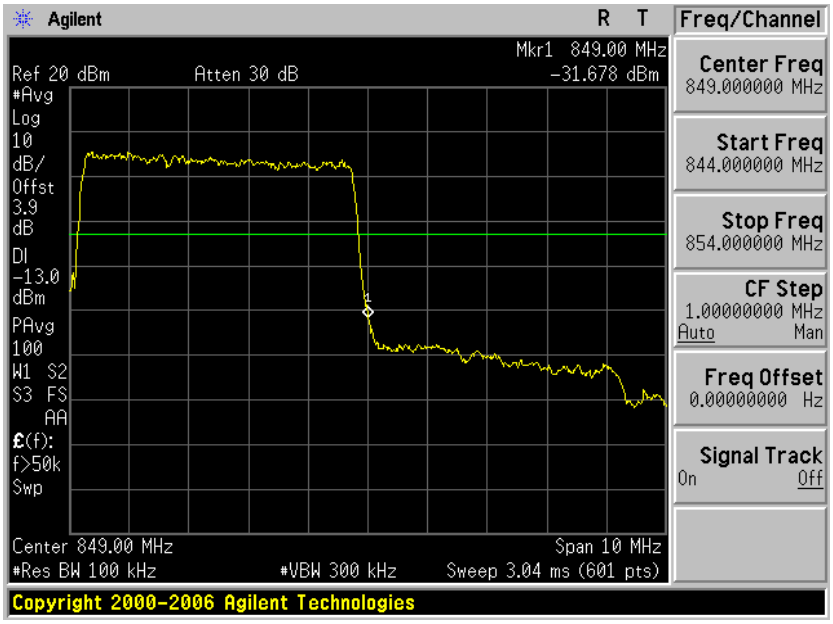
Frequency	LTE Band 4	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
Higher Band Edge					

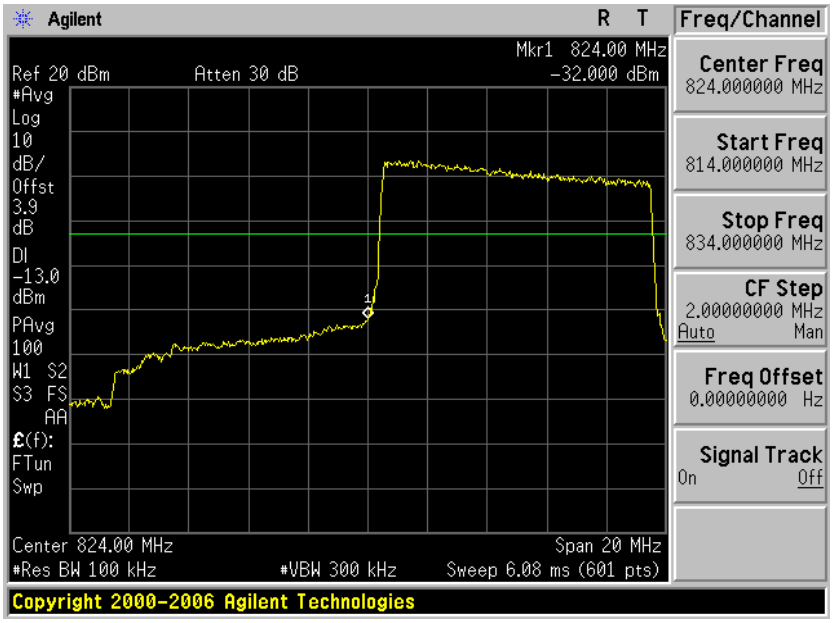
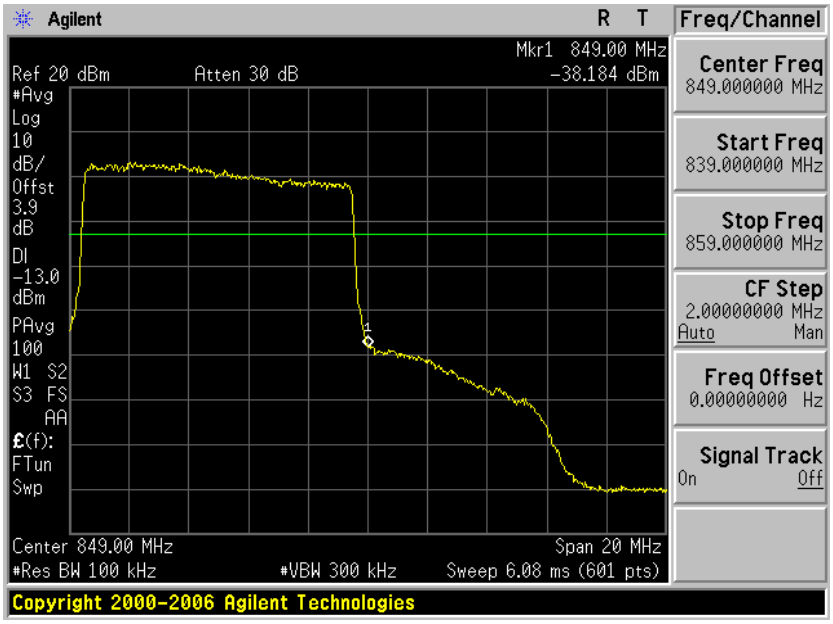
Frequency	LTE Band 5	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge					
Higher Band Edge					

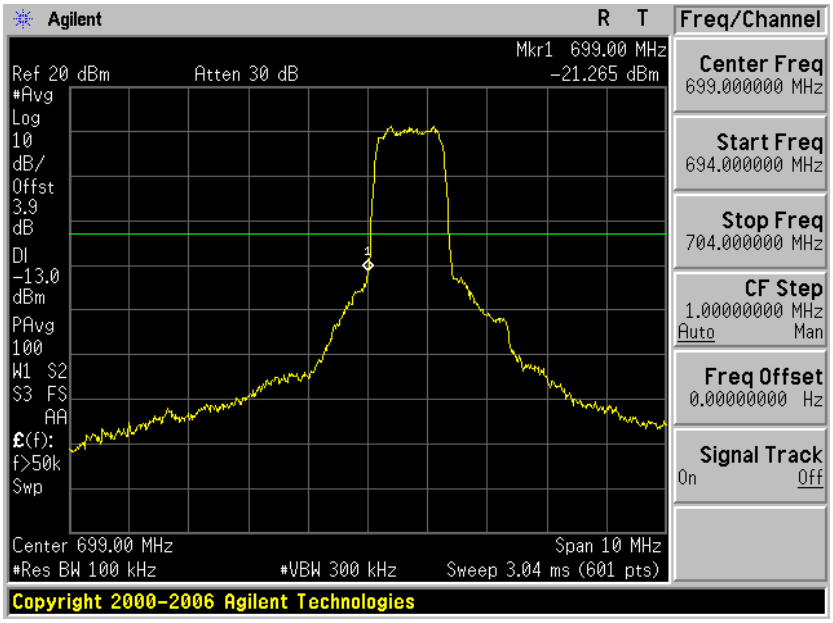
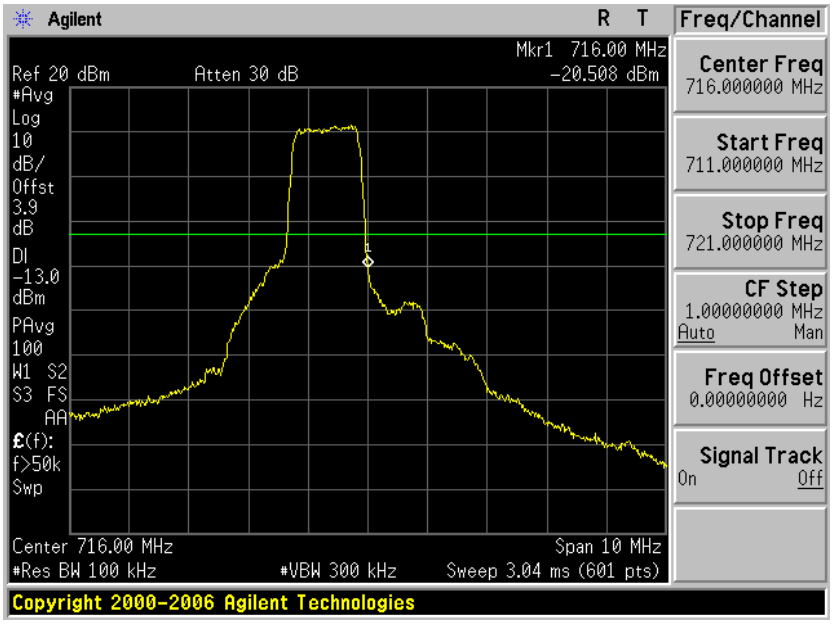
Frequency	LTE Band 4	Channel Bandwidth	20 MHz	RB Allocated	100
Lower Band Edge					
Higher Band Edge					

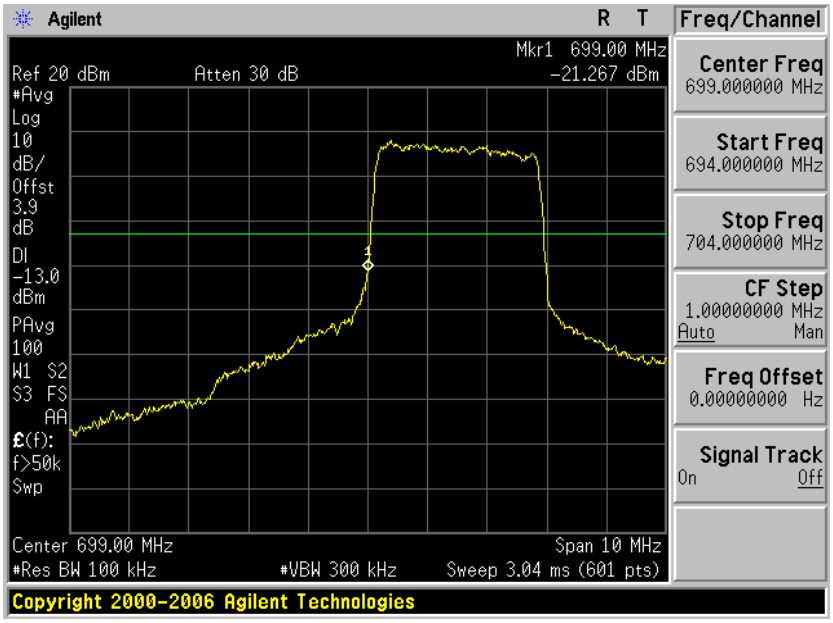
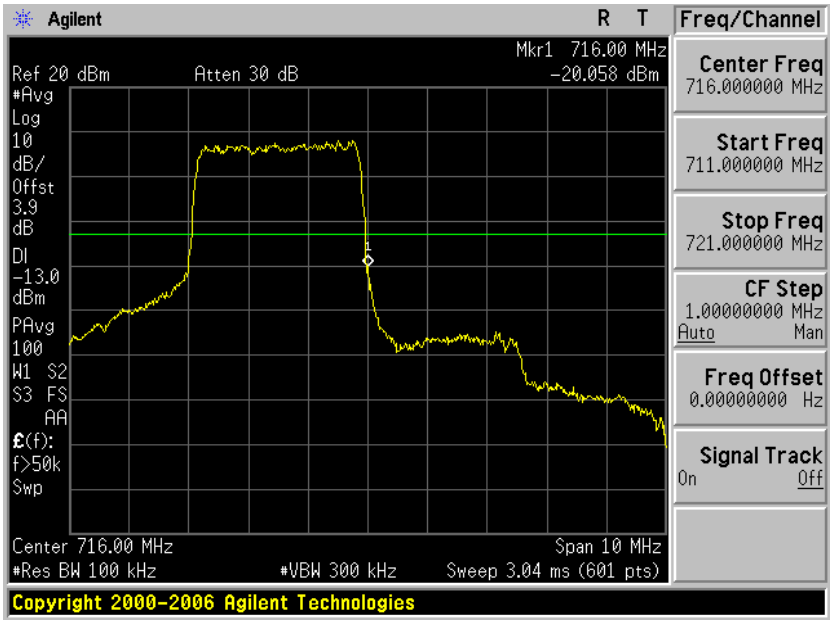
Frequency	LTE Band 5	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

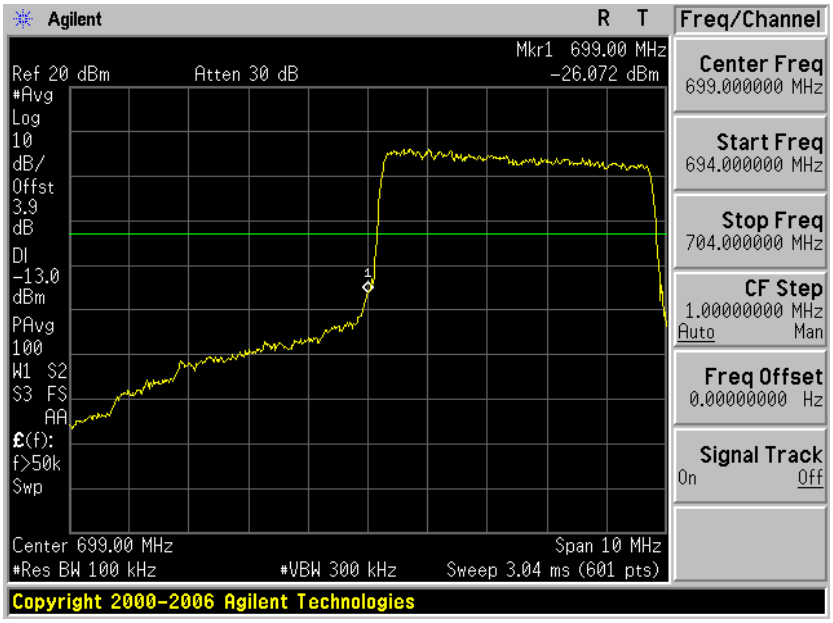
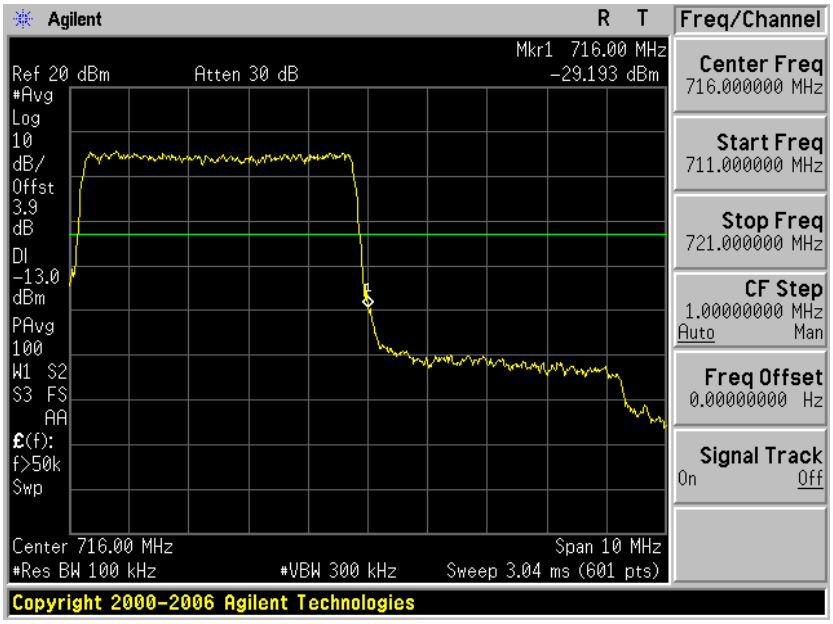
Frequency	LTE Band 5	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge					
Higher Band Edge					

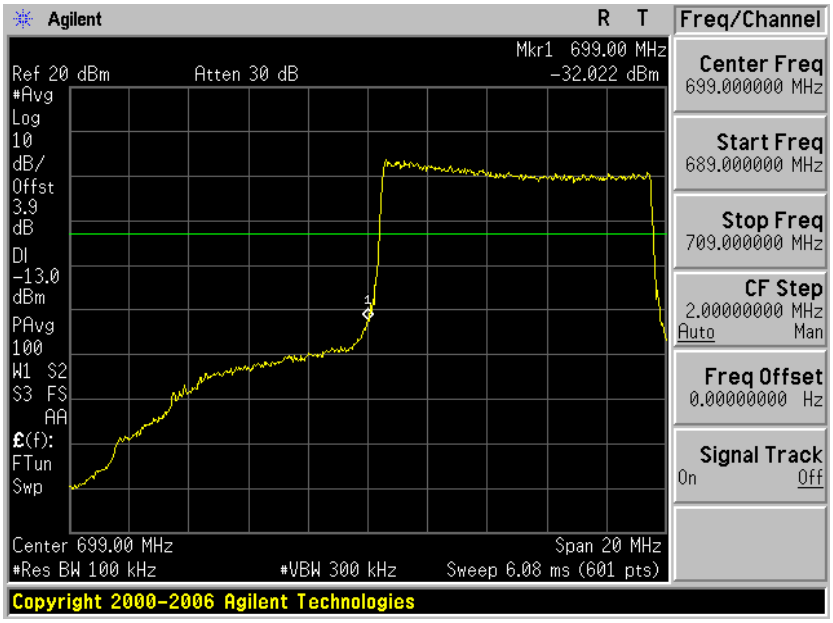
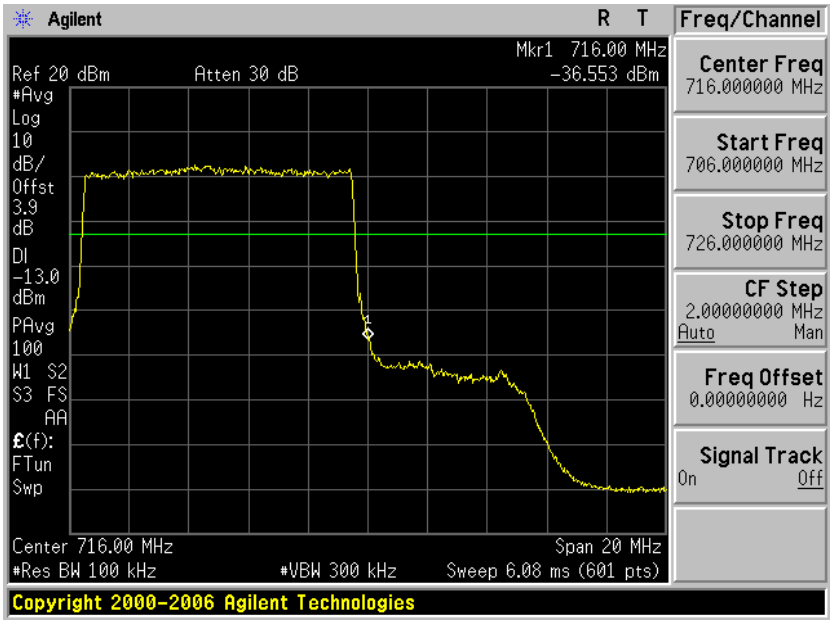
Frequency	LTE Band 5	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
Higher Band Edge					

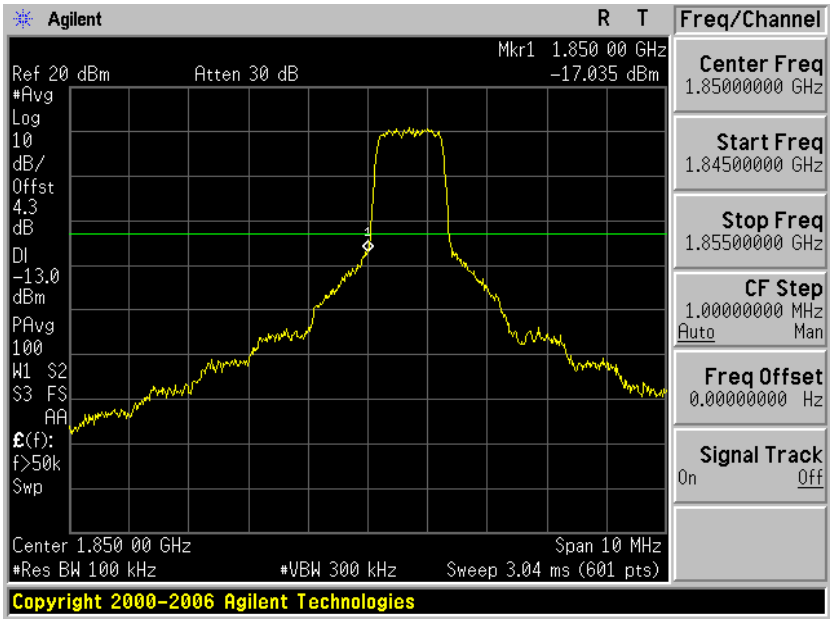
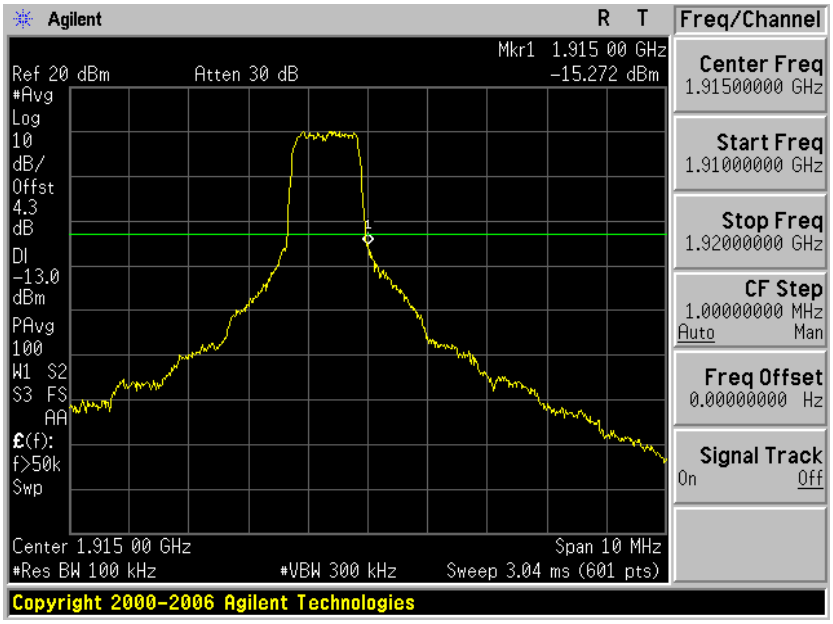
Frequency	LTE Band 5	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
Higher Band Edge					

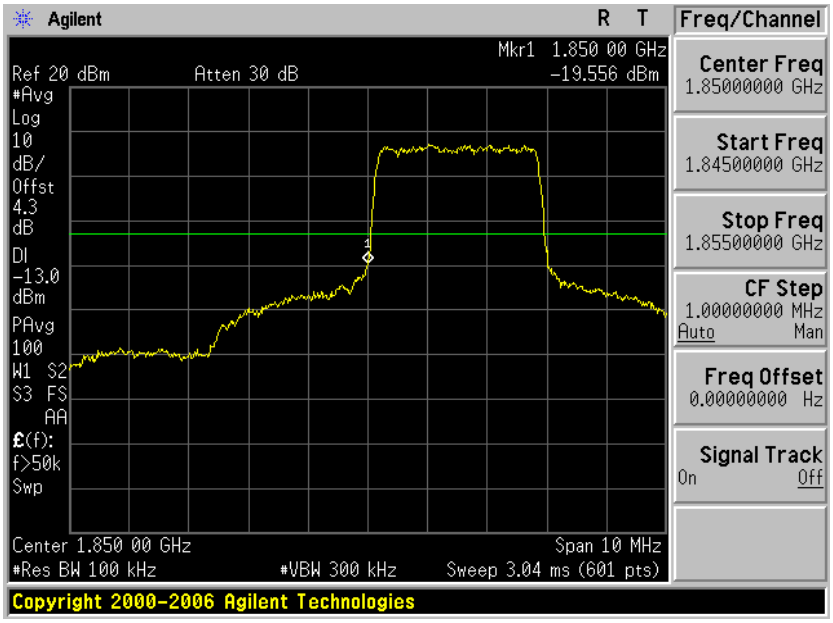
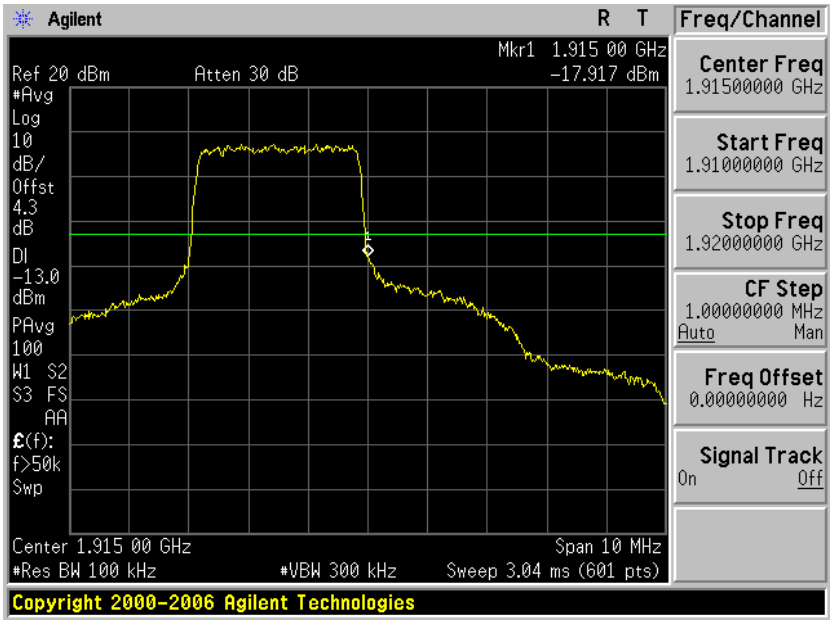
Frequency	LTE Band 12	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

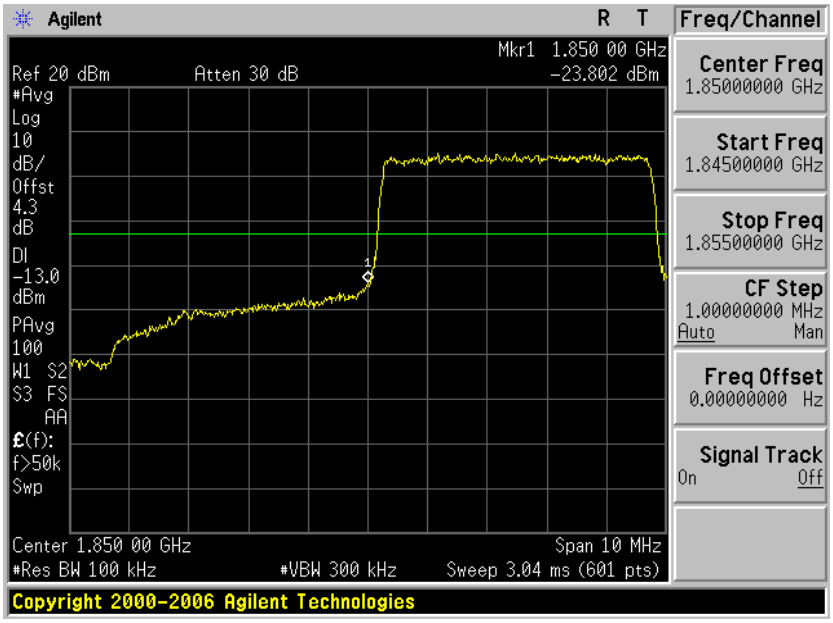
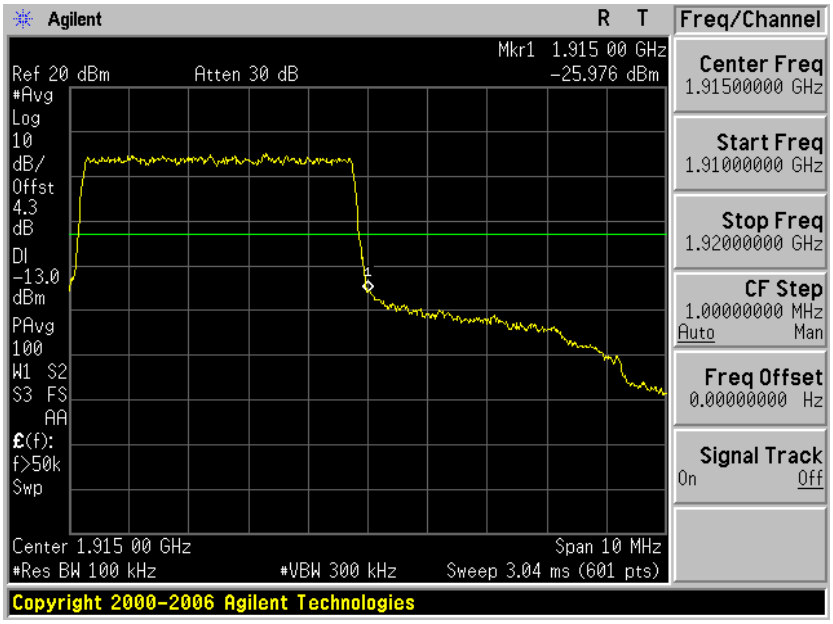
Frequency	LTE Band 12	Channel Bandwidth	3 MHz	RB Allocated	15
Lower Band Edge					
Higher Band Edge					

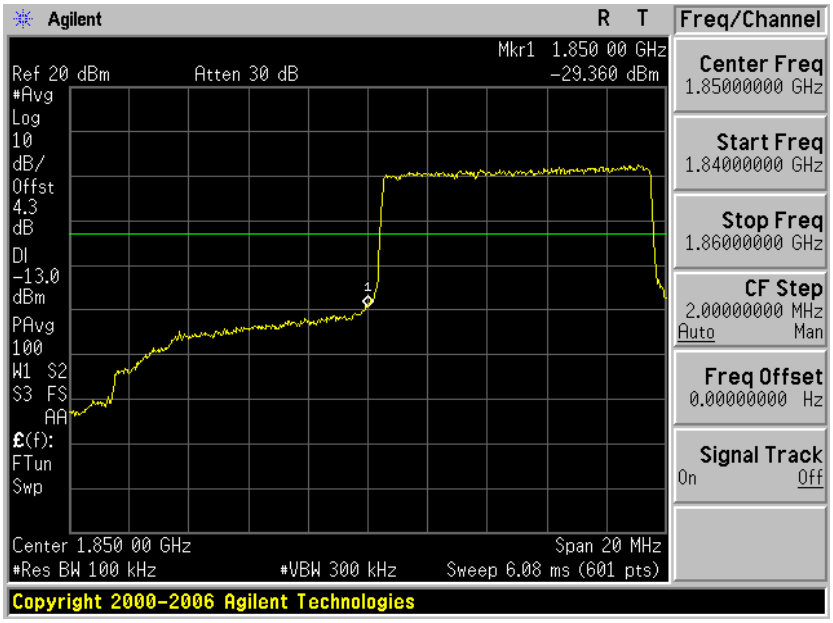
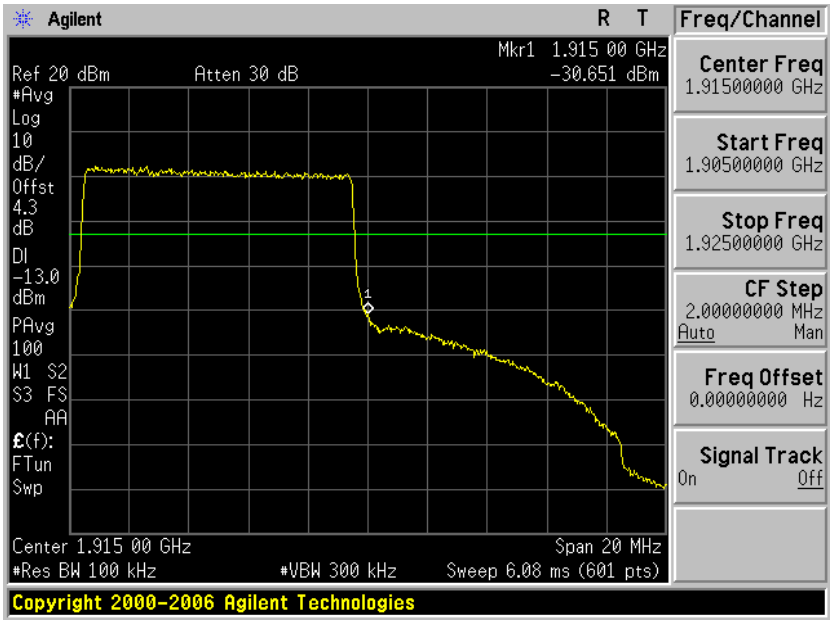
Frequency	LTE Band 12	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
Higher Band Edge					

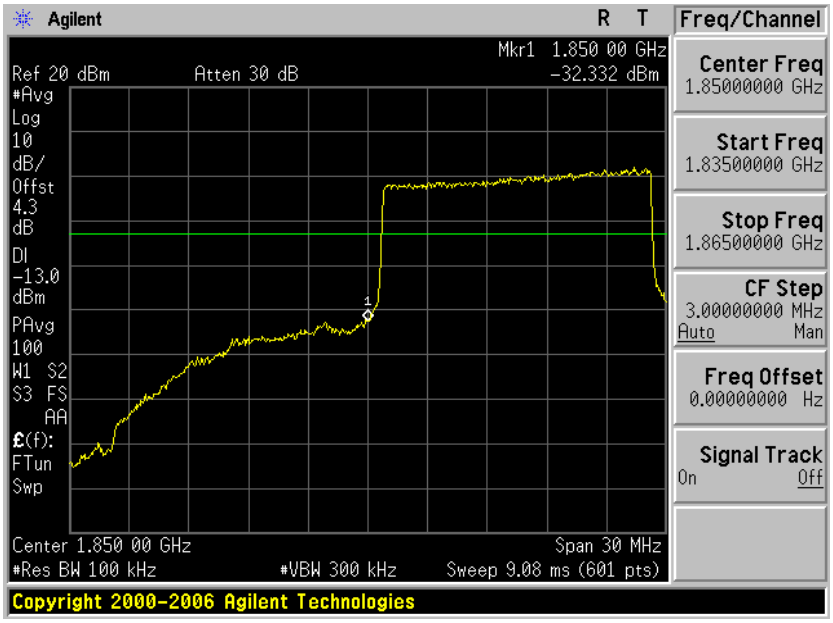
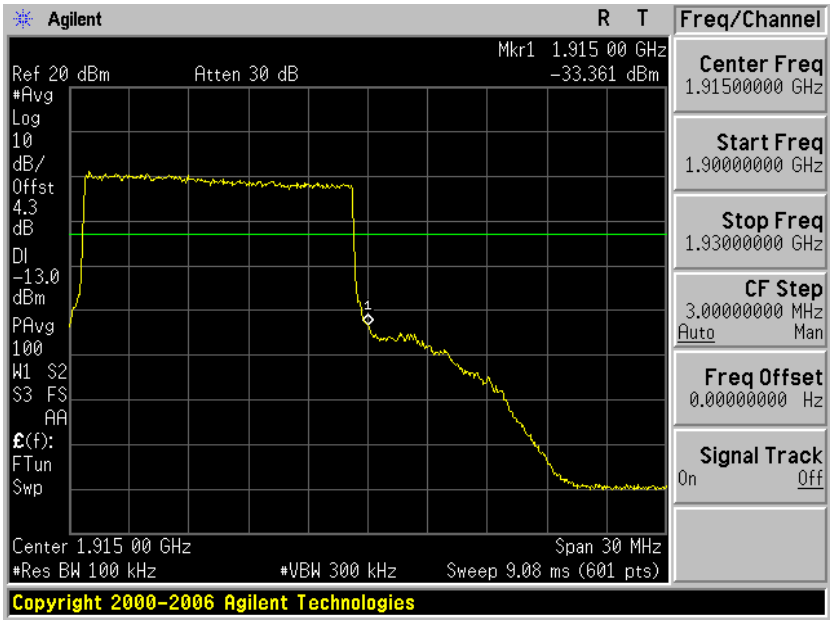
Frequency	LTE Band 12	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
Higher Band Edge					

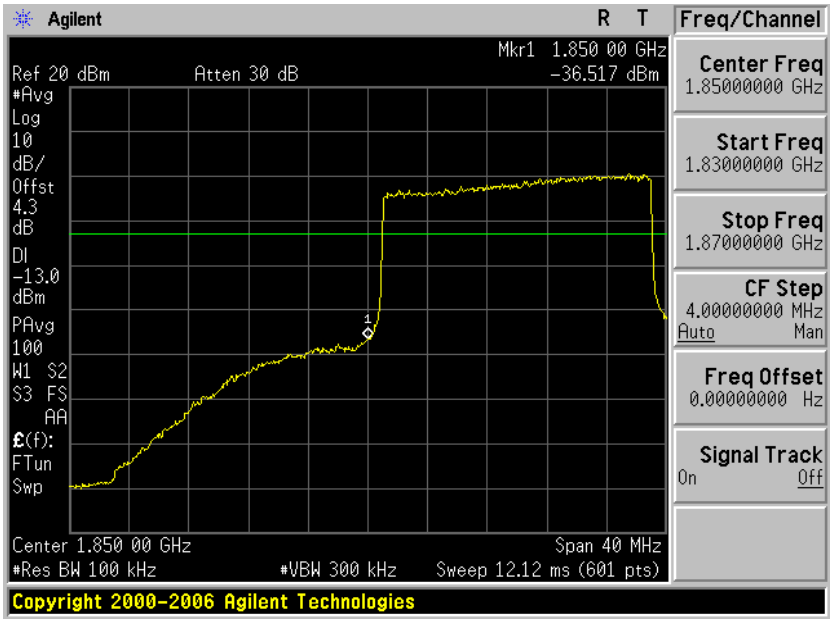
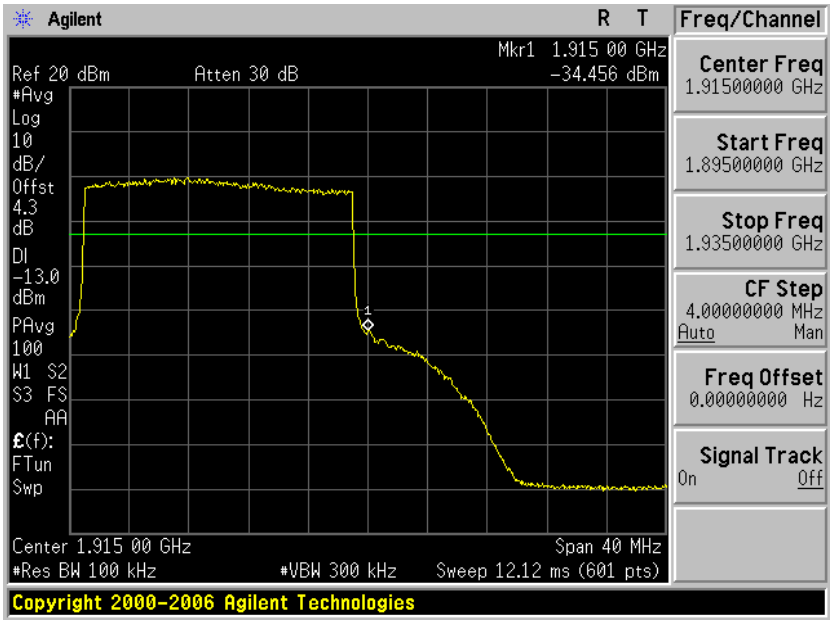
Frequency	LTE Band 25	Channel Bandwidth	1.4 MHz	RB Allocated	6
Lower Band Edge					
Higher Band Edge					

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					

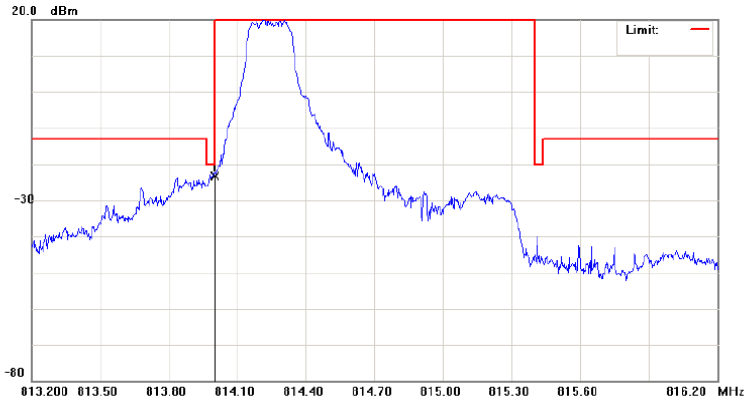
Frequency	LTE Band 25	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
Higher Band Edge					

Frequency	LTE Band 25	Channel Bandwidth	15 MHz	RB Allocated	75
Lower Band Edge					
Higher Band Edge					

Frequency	LTE Band 25	Channel Bandwidth	20 MHz	RB Allocated	100
Lower Band Edge					
Higher Band Edge					

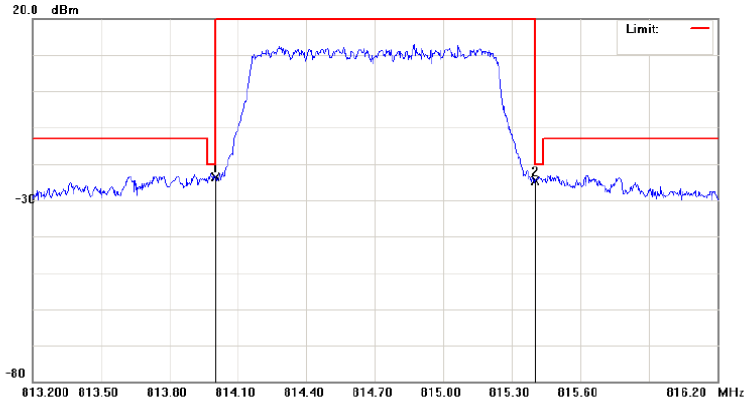
Frequency	LTE Band 26	Channel Bandwidth	1.4 MHz	RB Allocated	6
Part 90S					

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	-26.48	3.11	-23.37	-20.00	-3.37	peak			

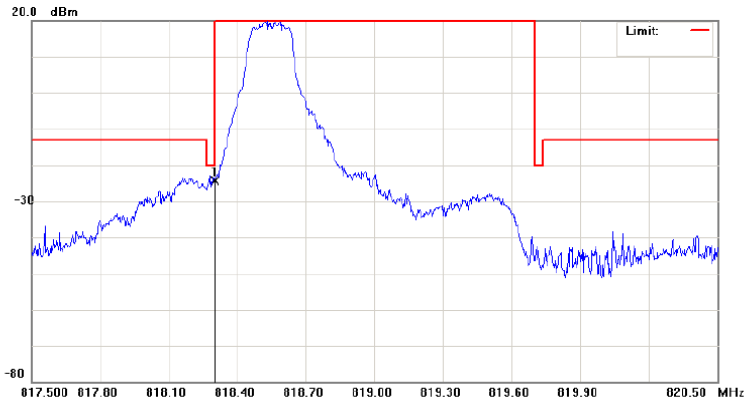


Site: site #1 | Polarization: *Conducted* | Temperature: 26 ℃
Limit: LTE Band 26_1.4M_Low | Power: | Humidity: 55 %
EUT: | Distance: | RBW: 15 KHz VBW: 15 KHz
M/N:
Mode: LTE Band 26_1.4M
Note: LTE_Band 26_CH26697(814.7MHz)_RB=6,Offset=0

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	-26.68	3.11	-23.57	-20.00	-3.57	peak			
2		815.4000	-27.84	3.11	-24.73	-20.00	-4.73	peak			

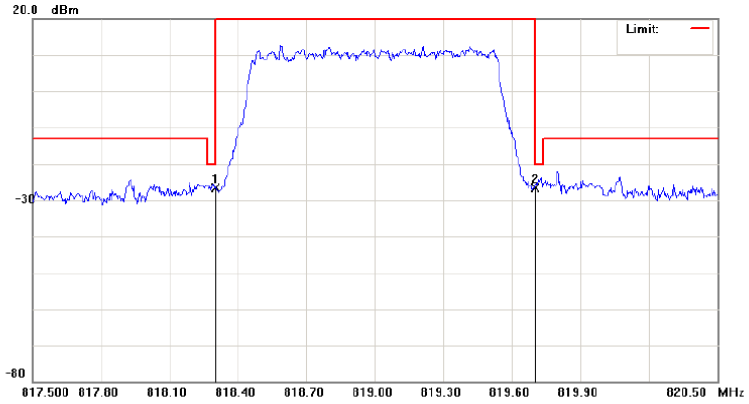
Frequency	LTE Band 26	Channel Bandwidth	1.4 MHz	RB Allocated	6
Part 90S					

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. MHz	Reading Level dBm	Correct Factor dB	Measure-ment dBm	Limit dBm	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1	*	818.3000	-27.39	3.11	-24.28	-20.00	-4.28	peak			

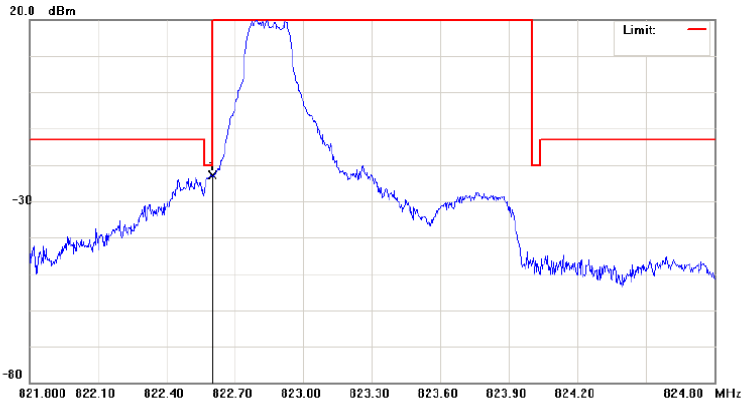


Site: site #1 | Polarization: *Conducted* | Temperature: 26 ℃
Limit: LTE Band 26_1.4M_Middle | Power: | Humidity: 55 %
EUT: | Distance: | RBW: 15 KHz VBW: 15 KHz
M/N:
Mode: LTE Band 26_1.4M
Note: LTE_Band 26_CH26740(819MHz)_RB=6,Offset=0

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure-ment dBm	Limit dBm	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		818.3000	-29.78	3.11	-26.67	-20.00	-6.67	peak			
2	*	819.7000	-29.63	3.11	-26.52	-20.00	-6.52	peak			

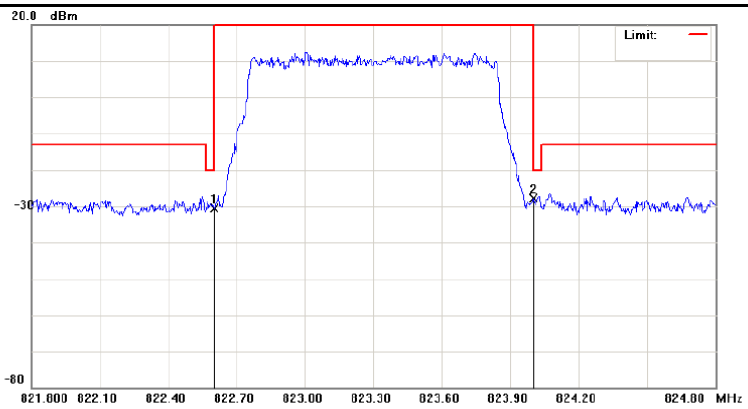
Frequency	LTE Band 26	Channel Bandwidth	1.4 MHz	RB Allocated	6
Part 90S					

Higher Band Edge



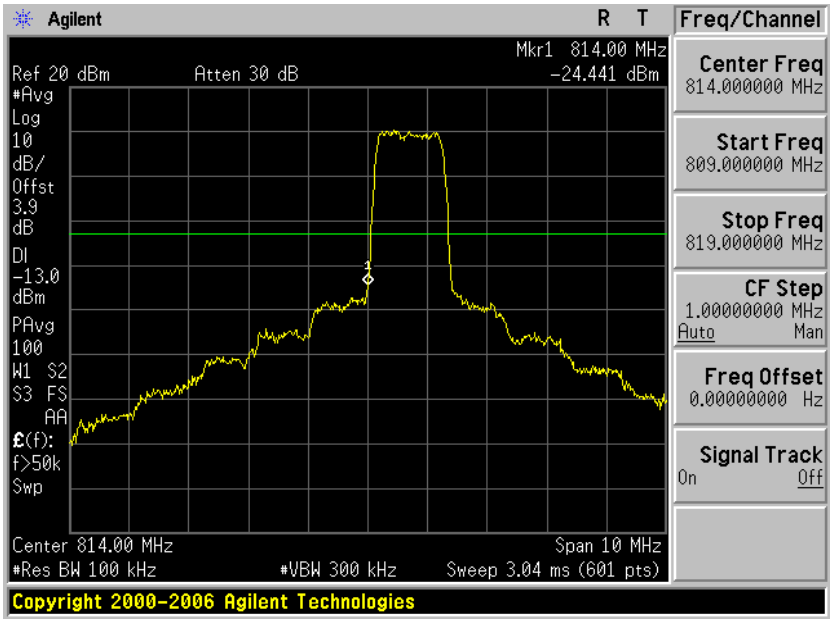
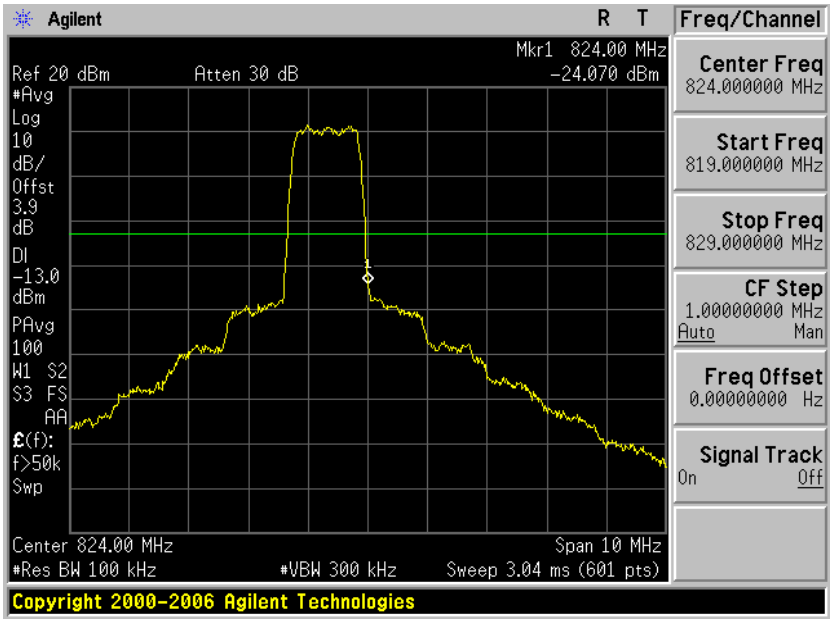
Site: site #1 Polarization: Conducted Temperature: 26 ℃
Limit: LTE Band 26_1.4M_High Power: Humidity: 55 %
EUT: Distance: RBW: 15 KHz VBW: 15 KHz
M/N:
Mode: LTE Band 26_1.4M
Note: LTE_Band 26_CH26783(823.3MHz)_RB=1,Offset=0

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure-ment dBm	Limit dBm	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1	*	822.6000	-25.87	3.11	-22.76	-20.00	-2.76	peak			



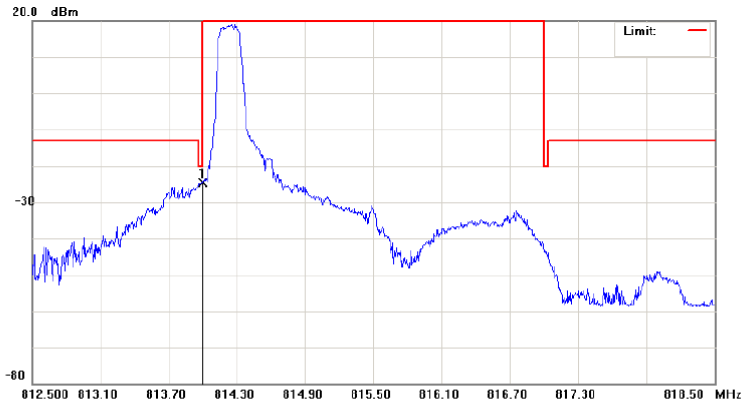
Site: site #1 Polarization: Conducted Temperature: 26 ℃
Limit: LTE Band 26_1.4M_High Power: Humidity: 55 %
EUT: Distance: RBW: 15 KHz VBW: 15 KHz
M/N:
Mode: LTE Band 26_1.4M
Note: LTE_Band 26_CH26783(823.3MHz)_RB=6,Offset=0

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure-ment dBm	Limit dBm	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		822.6000	-33.65	3.11	-30.54	-20.00	-10.54	peak			
2	*	824.0000	-31.03	3.11	-27.92	-20.00	-7.92	peak			

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

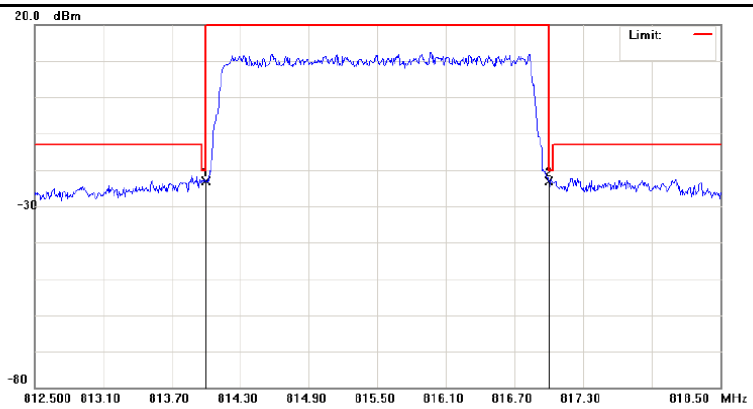
Frequency	LTE Band 26	Channel Bandwidth	3 MHz	RB Allocated	15
Part 90S					

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	-27.75	3.11	-24.64	-20.00	-4.64	peak			

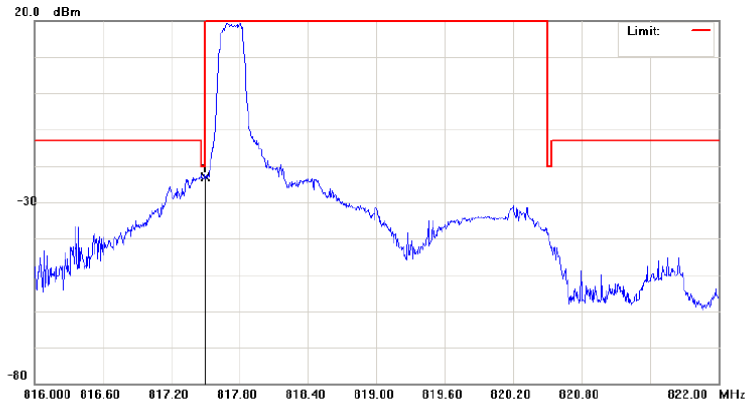


Site: site #1 Polarization: *Conducted* Temperature: 26 ℃
Limit: LTE Band 26_3M_Low Power: Humidity: 55 %
EUT: Distance: RBW: 33 KHz VBW: 33 KHz
M/N:
Mode: LTE Band 26_3M
Note: LTE_Band 26_CH26705(815.5MHz)_RB=15,Offset=0

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	-26.19	3.11	-23.08	-20.00	-3.08	peak			
2		817.0000	-26.32	3.11	-23.21	-20.00	-3.21	peak			

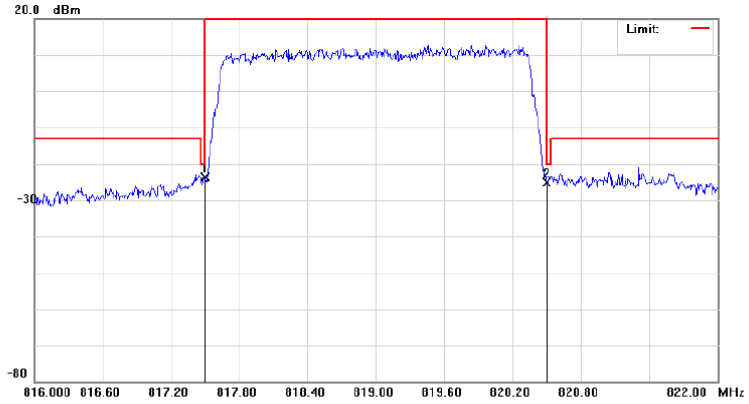
Frequency	LTE Band 26	Channel Bandwidth	3 MHz	RB Allocated	15
Part 90S					

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	-26.34	3.11	-23.23	-20.00	-3.23	peak			

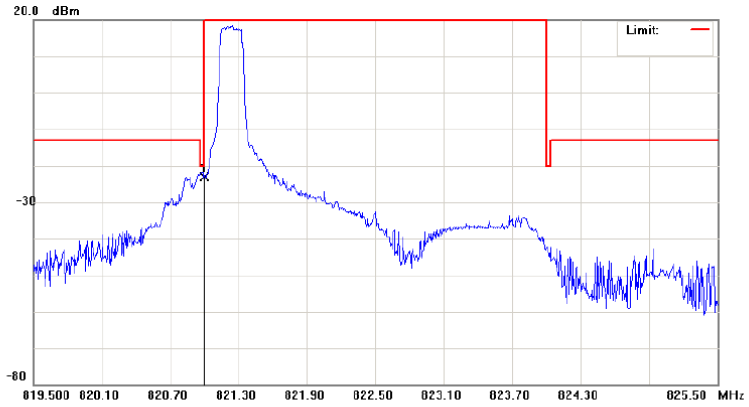


Site: site #1 | Polarization: *Conducted* | Temperature: 26 ℃
Limit: LTE Band 26_3M_Middle | Power: | Humidity: 55 %
EUT: | Distance: | RBW: 33 KHz VBW: 33 KHz
M/N:
Mode: LTE Band 26_3M
Note: LTE_Band 26_CH26740(819MHz)_RB=15,Offset=0

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	-26.72	3.11	-23.61	-20.00	-3.61	peak			
2		820.5000	-28.15	3.11	-25.04	-20.00	-5.04	peak			

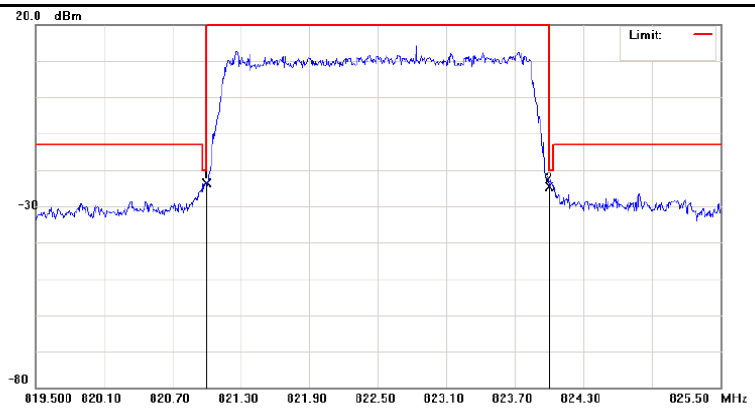
Frequency	LTE Band 26	Channel Bandwidth	3 MHz	RB Allocated	15
Part 90S					

Higher Band Edge



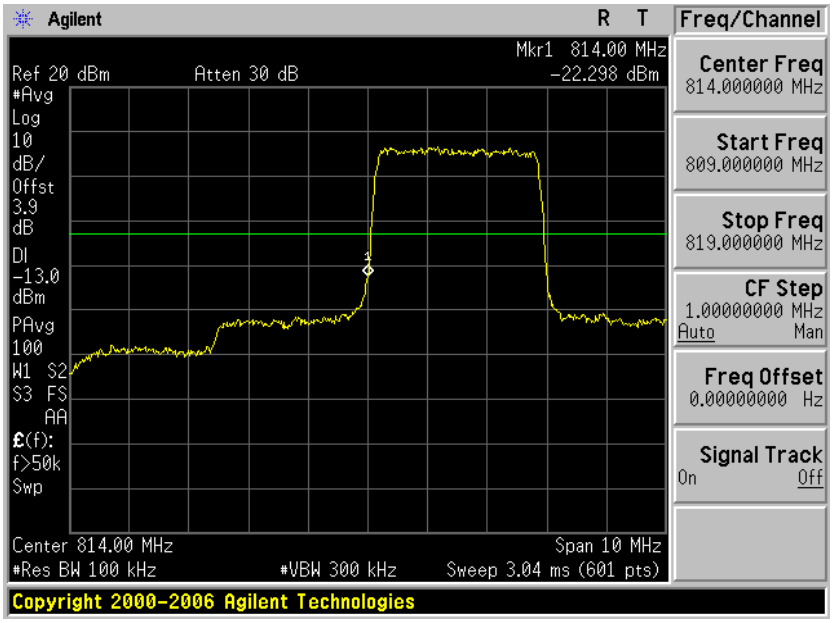
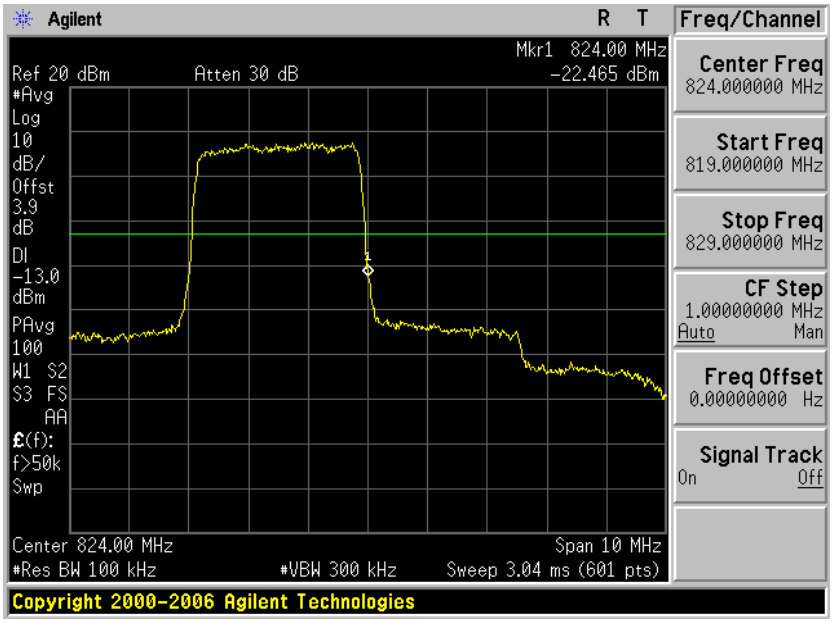
Site: site #1 | Polarization: *Conducted* | Temperature: 26 ℃
Limit: LTE Band 26_3M_High | Power: | Humidity: 55 %
EUT: | Distance: | RBW: 33 KHz VBW: 33 KHz
M/N:
Mode: LTE Band 26_3M
Note: LTE_Band 26_CH26775(822.5MHz)_RB=1,Offset=0

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	-26.31	3.11	-23.20	-20.00	-3.20	peak			



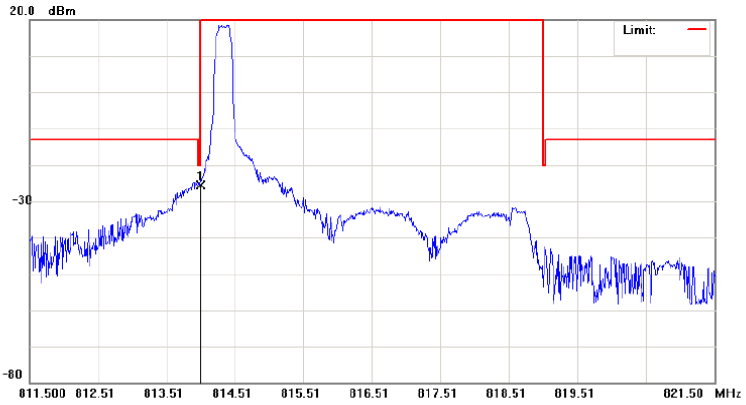
Site: site #1 | Polarization: *Conducted* | Temperature: 26 ℃
Limit: LTE Band 26_3M_High | Power: | Humidity: 55 %
EUT: | Distance: | RBW: 33 KHz VBW: 33 KHz
M/N:
Mode: LTE Band 26_3M
Note: LTE_Band 26_CH26775(822.5MHz)_RB=15,Offset=0

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	-26.78	3.11	-23.67	-20.00	-3.67	peak			
2		824.0000	-27.78	3.11	-24.67	-20.00	-4.67	peak			

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

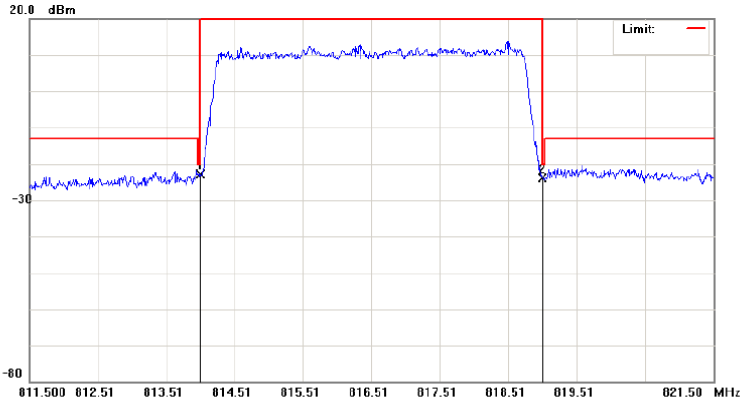
Frequency	LTE Band 26	Channel Bandwidth	5 MHz	RB Allocated	25
Part 90S					

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	-28.82	3.11	-25.71	-20.00	-5.71	peak			

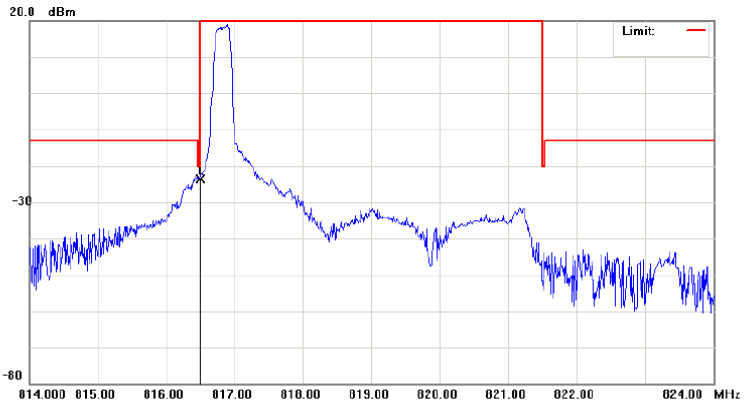


Site: site #1 Polarization: Conducted Temperature: 26 ℃
Limit: LTE Band 26_5M_Low Power: Humidity: 55 %
EUT: Distance: RBW: 51 KHz VBW: 51 KHz
M/N:
Mode: LTE Band 26_5M
Note: LTE_Band 26_CH26715(816.5MHz)_RB=25,Offset=0

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	-25.93	3.11	-22.82	-20.00	-2.82	peak			
2		819.0000	-26.98	3.11	-23.87	-20.00	-3.87	peak			

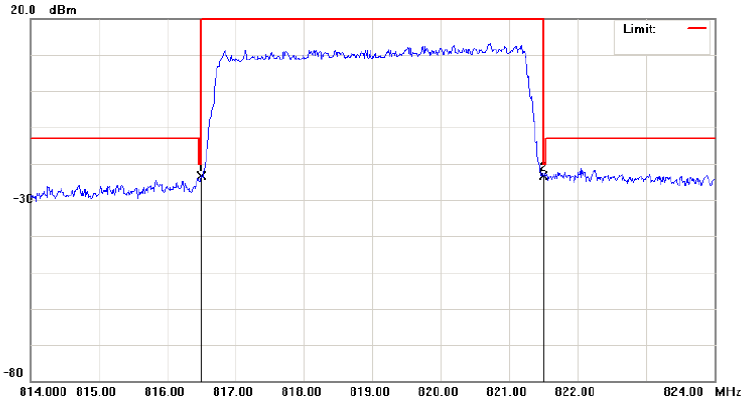
Frequency	LTE Band 26	Channel Bandwidth	5 MHz	RB Allocated	25
Part 90S					

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	-26.71	3.11	-23.60	-20.00	-3.60	peak			

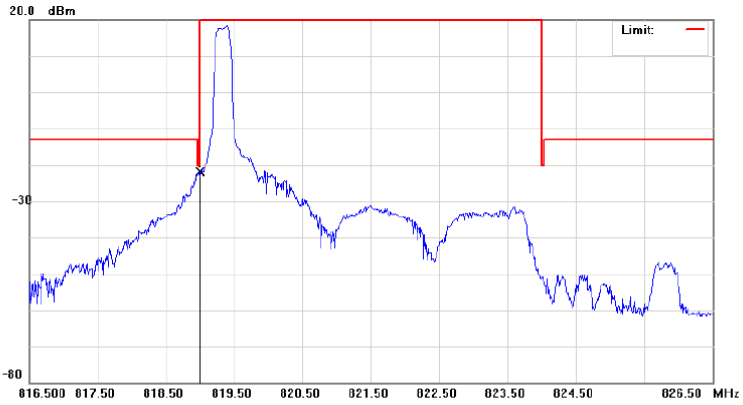


Site: site #1 | Polarization: *Conducted* | Temperature: 26 ℃
Limit: LTE Band 26_5M_Middle | Power: | Humidity: 55 %
EUT: | Distance: | RBW: 51 KHz VBW: 51 KHz
M/N:
Mode: LTE Band 26_5M
Note: LTE_Band 26_CH26740(819MHz)_RB=25,Offset=0

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	-26.36	3.11	-23.25	-20.00	-3.25	peak			
2		821.5000	-26.49	3.11	-23.38	-20.00	-3.38	peak			

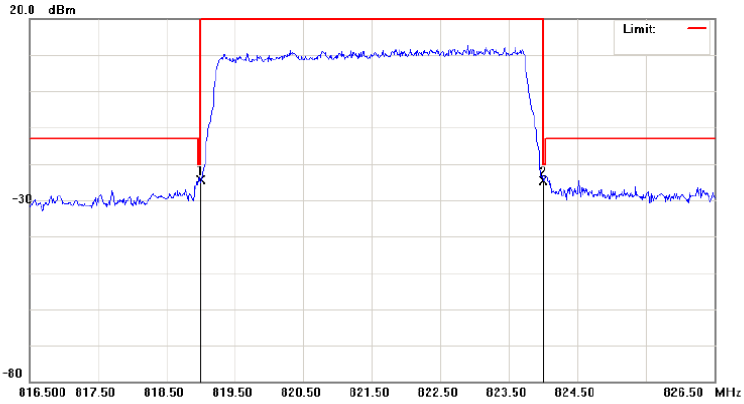
Frequency	LTE Band 26	Channel Bandwidth	5 MHz	RB Allocated	25
Part 90S					

Higher Band Edge



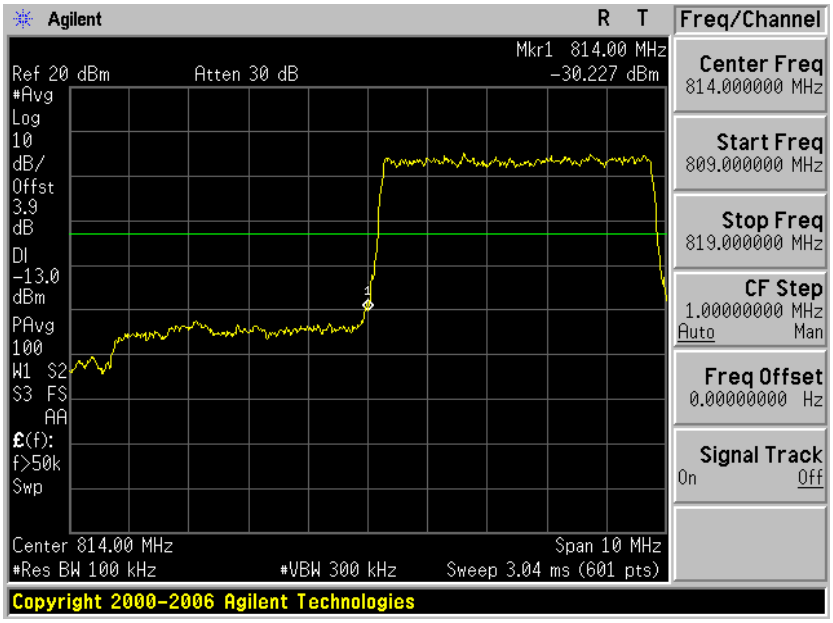
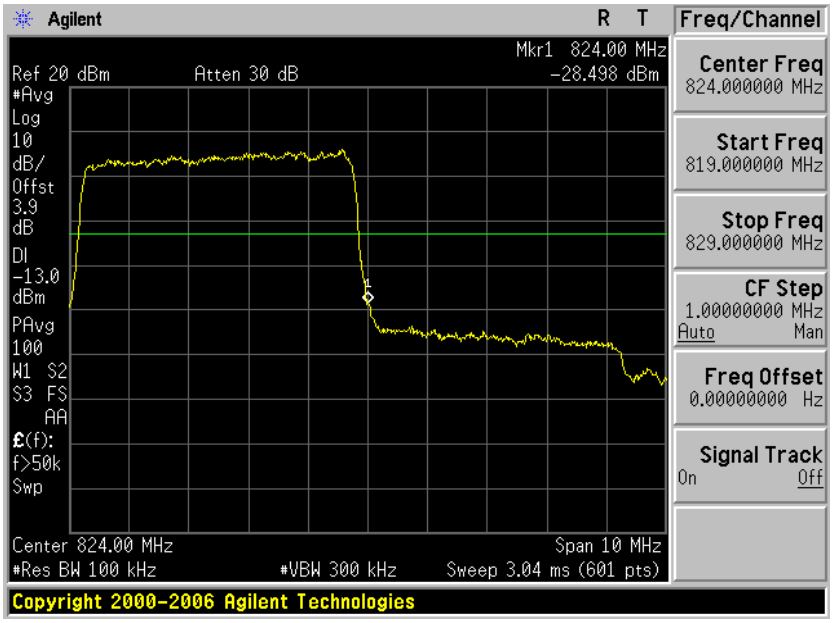
Site: site #1 | Polarization: *Conducted* | Temperature: 26 ℃
Limit: LTE Band 26_5M_High | Power: | Humidity: 55 %
EUT: | Distance: | RBW: 51 KHz VBW: 51 KHz
M/N:
Mode: LTE Band 26_5M
Note: LTE_Band 26_CH26765(821.5MHz)_RB=1,Offset=0

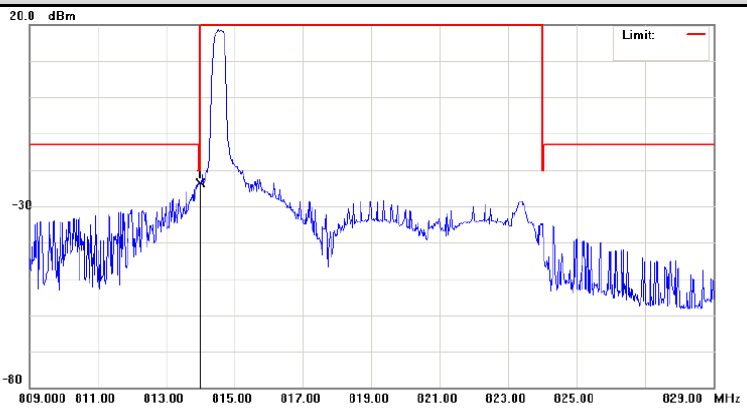
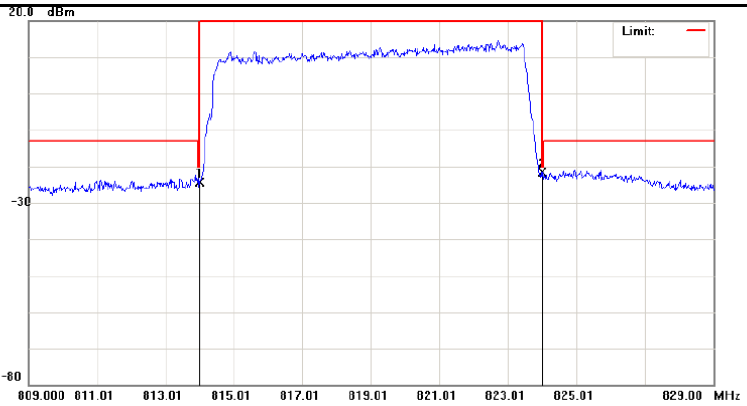
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	819.0000	-24.91	3.11	-21.80	-20.00	-1.80	peak			

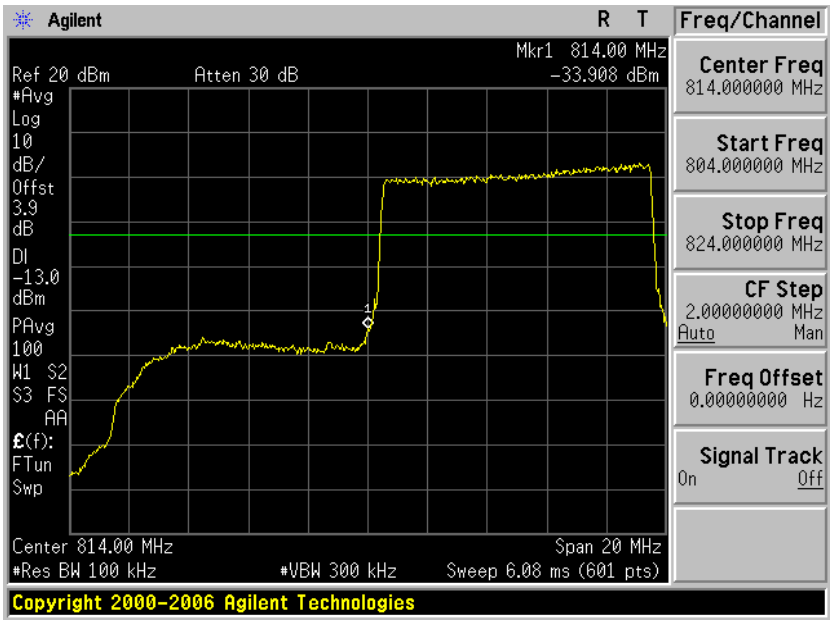
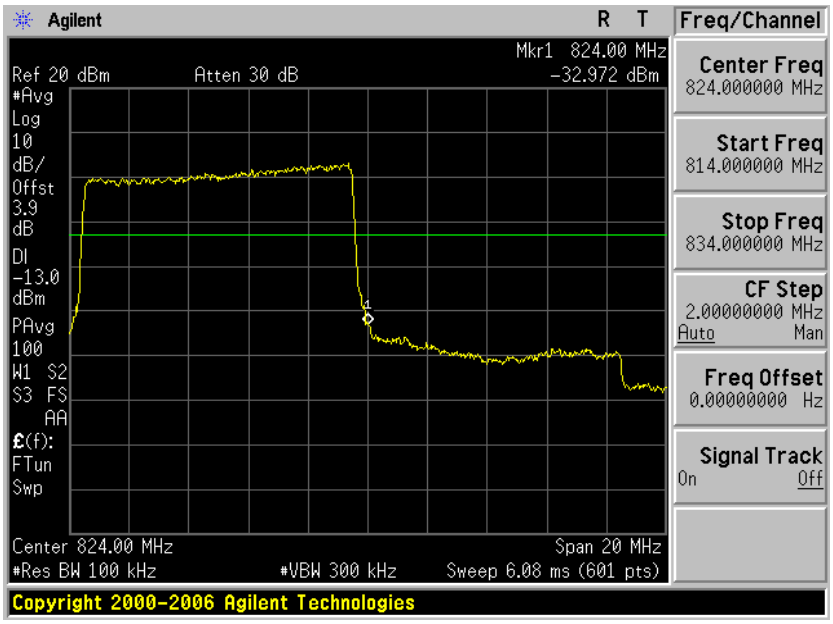


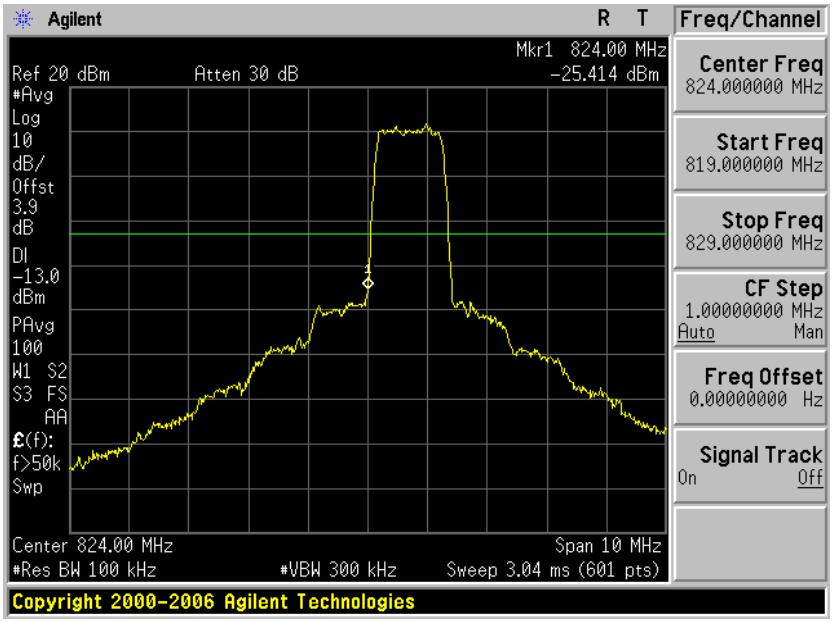
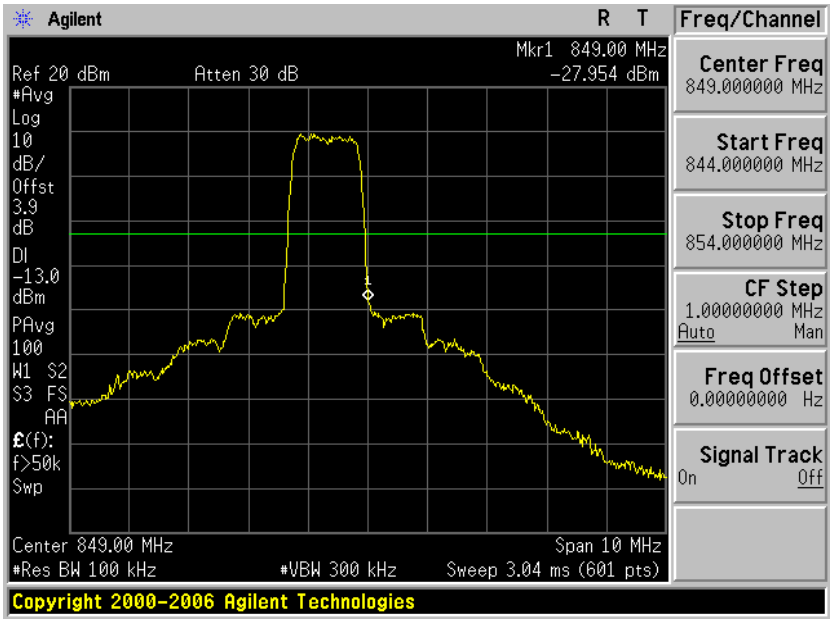
Site: site #1 | Polarization: *Conducted* | Temperature: 26 ℃
Limit: LTE Band 26_5M_High | Power: | Humidity: 55 %
EUT: | Distance: | RBW: 51 KHz VBW: 51 KHz
M/N:
Mode: LTE Band 26_5M
Note: LTE_Band 26_CH26765(821.5MHz)_RB=25,Offset=0

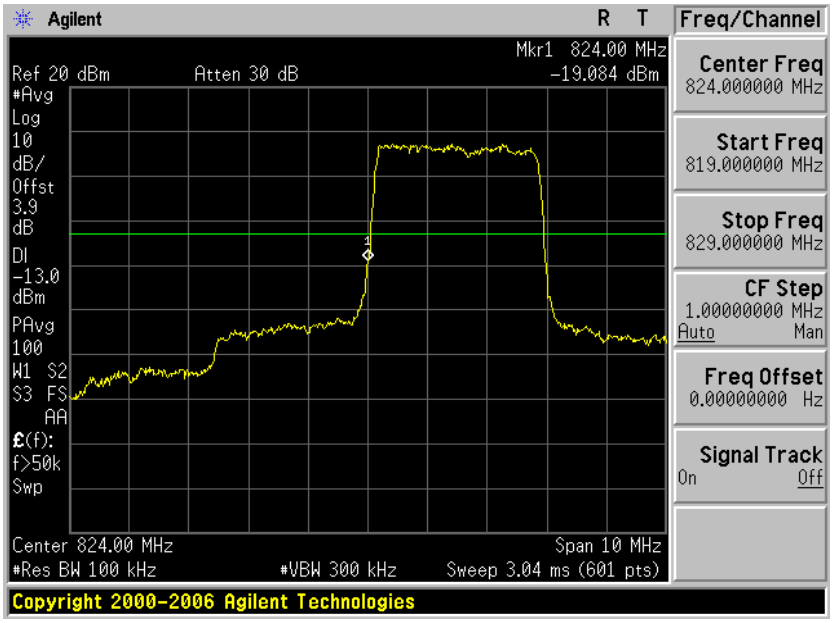
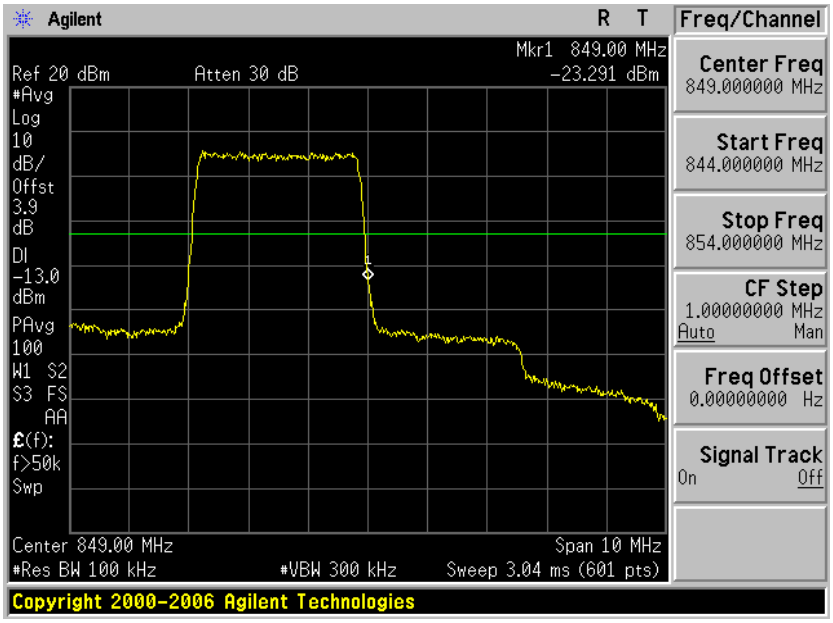
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	819.0000	-27.57	3.11	-24.46	-20.00	-4.46	peak			
2		824.0000	-27.79	3.11	-24.68	-20.00	-4.68	peak			

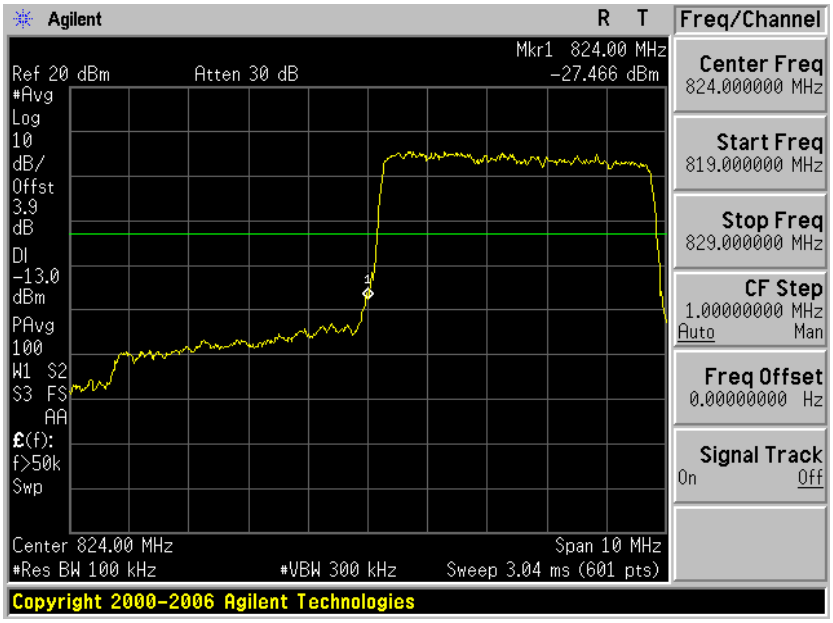
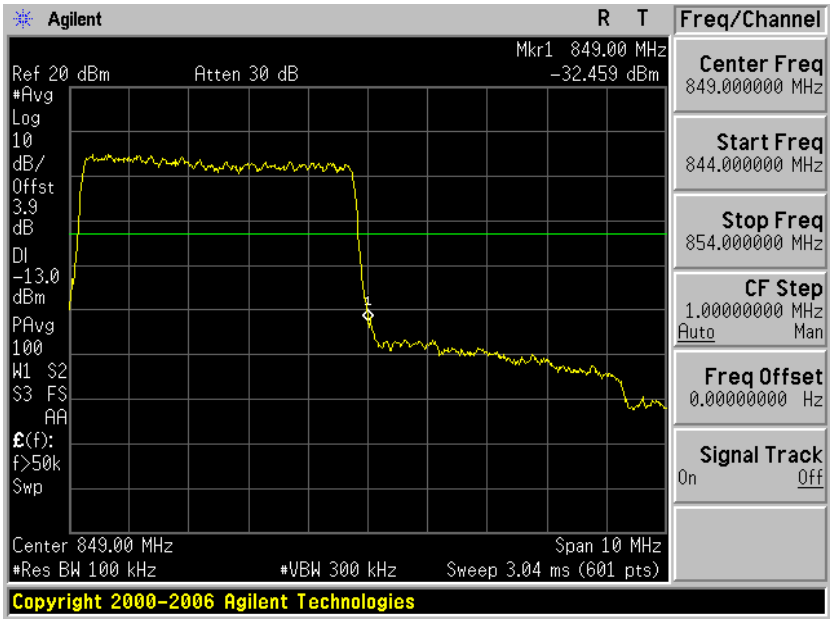
Frequency	LTE Band 26	Channel Bandwidth	5 MHz	RB Allocated	25
Part 90S					
Lower Band Edge					
Higher Band Edge					

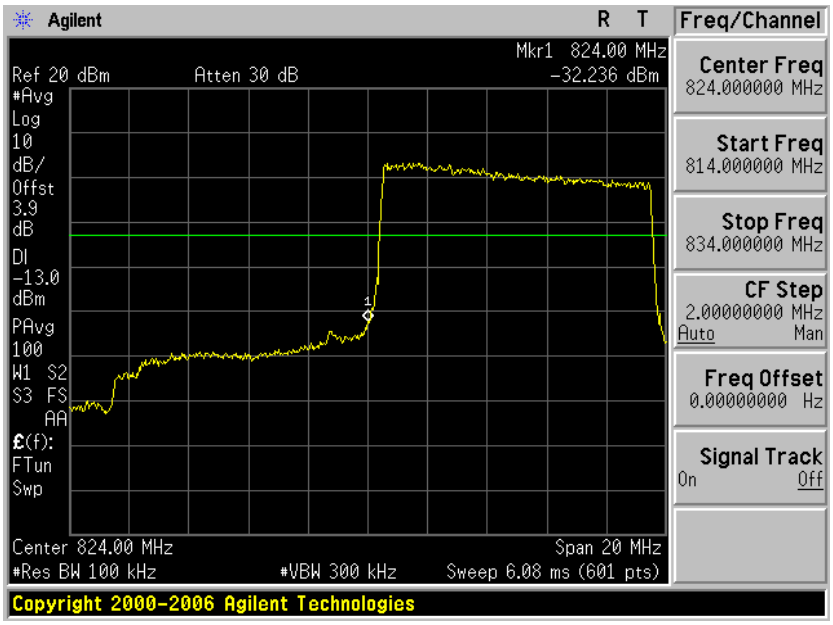
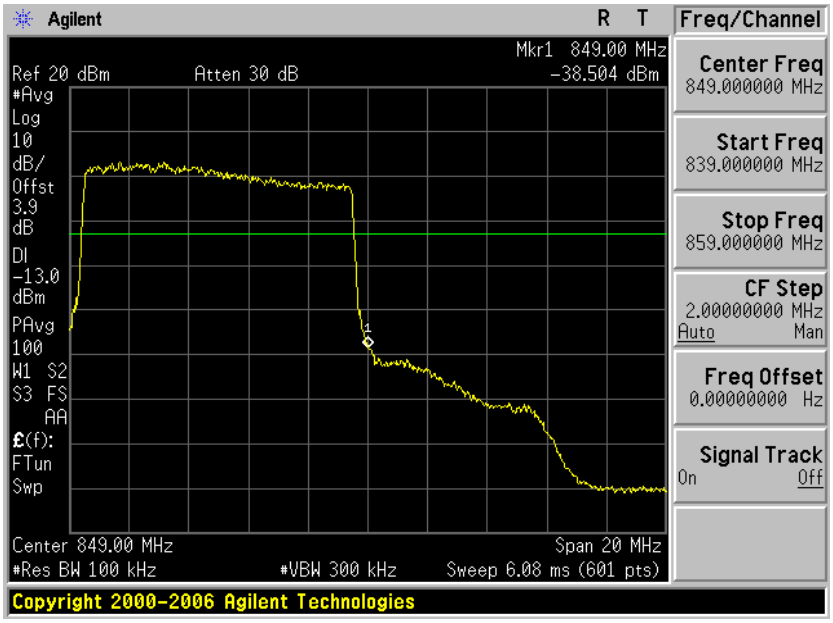
Frequency	LTE Band 26	Channel Bandwidth	10 MHz	RB Allocated	50
Part 90S					
Band Edge	 Site: site #1 Polarization: Conducted Temperature: 26 ℃ Limit: LTE Band 26_10M_Middle Power: Humidity: 55 % EUT: Distance: RBW: 110 KHz VBW: 110 M/N: Mode: LTE Band 26_10M Note: LTE_Band 26_CH26740(819MHz)_RB=1,Offset=0 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 -26.73 3.11 -23.62 -20.00 -3.62 peak	 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=50,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 -27.48 3.11 -24.37 23.00 -47.37 peak 2 * 824.0000 -24.79 3.11 -21.68 -20.00 -1.68 peak

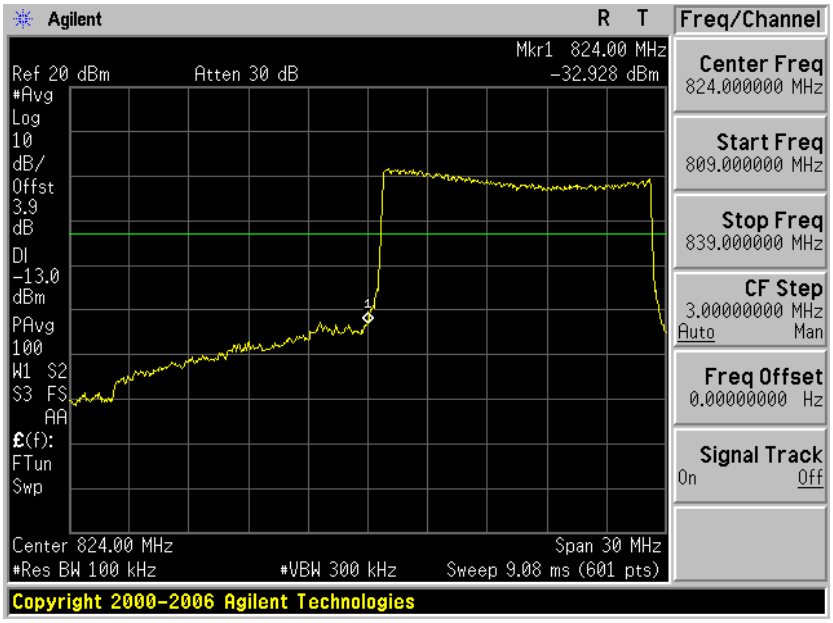
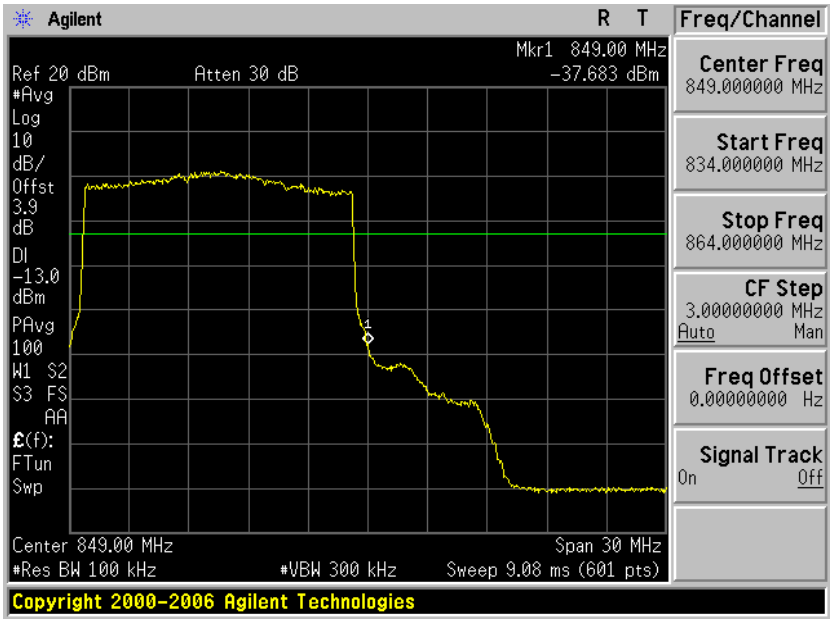
Frequency	LTE Band 26	Channel Bandwidth	10 MHz	RB Allocated	50
Part 90S					
Band Edge					
					

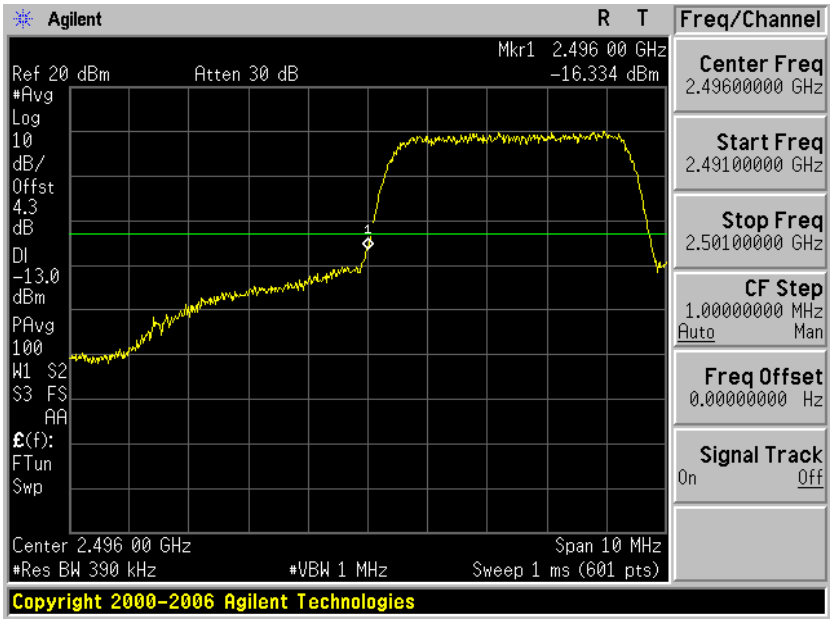
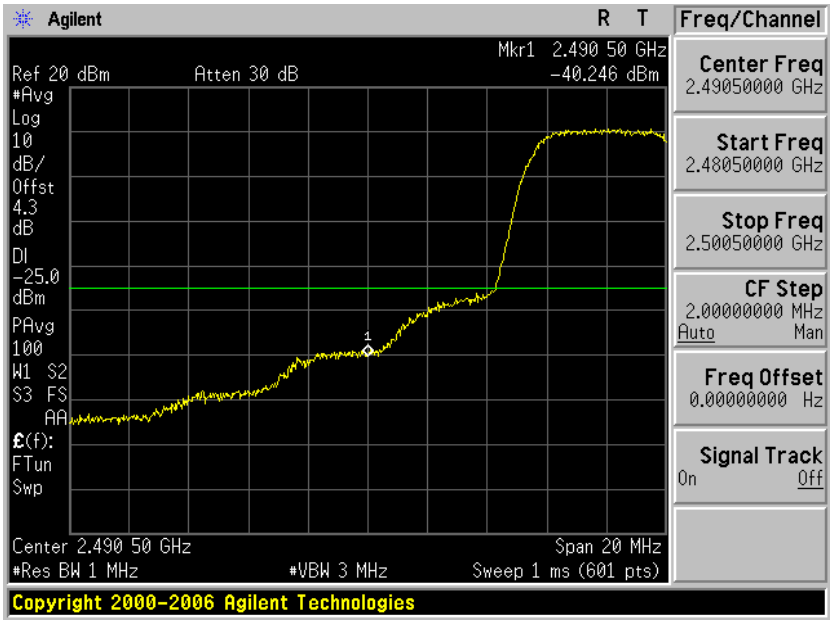
Frequency	LTE Band 26	Channel Bandwidth	1.4 MHz	RB Allocated	6
Part 22H					
Lower Band Edge					
Higher Band Edge					

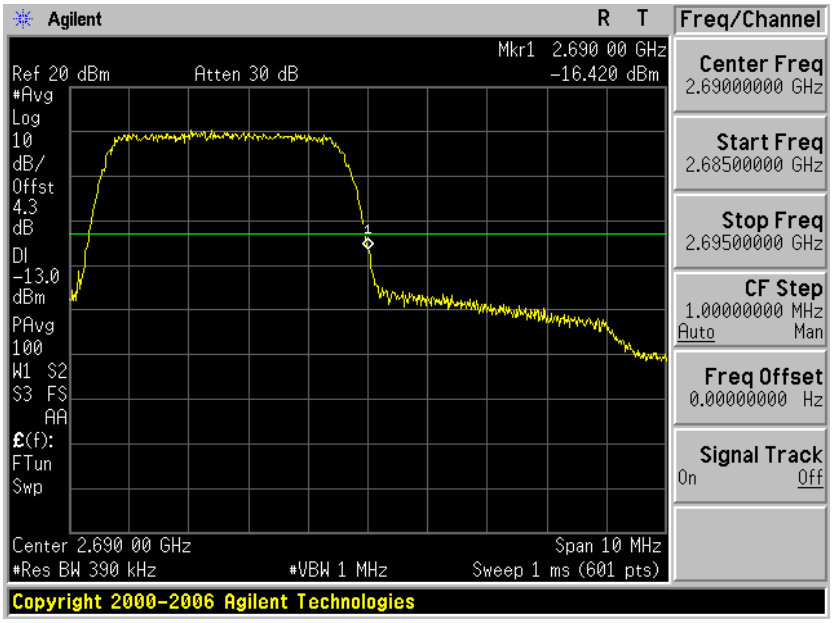
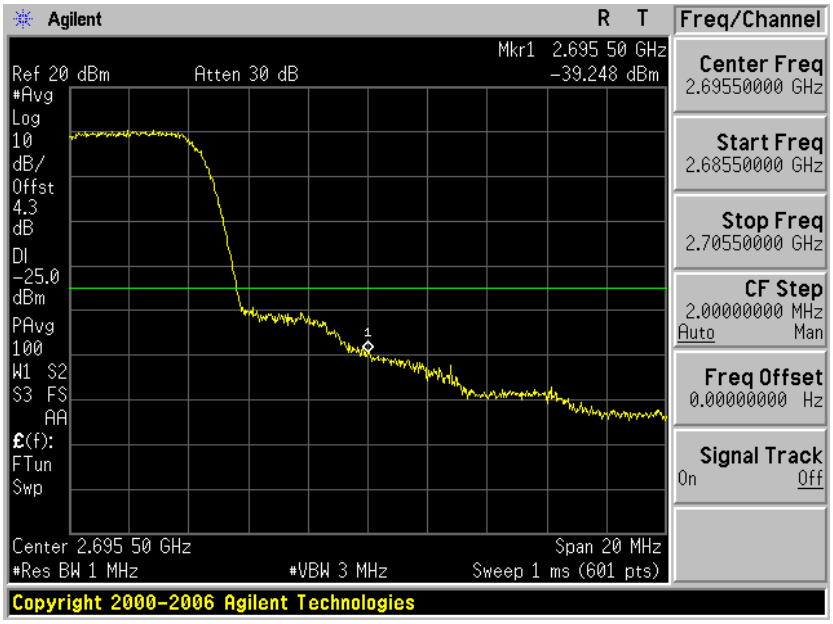
Frequency	LTE Band 26	Channel Bandwidth	3 MHz	RB Allocated	15
Part 22H					
Lower Band Edge					
Higher Band Edge					

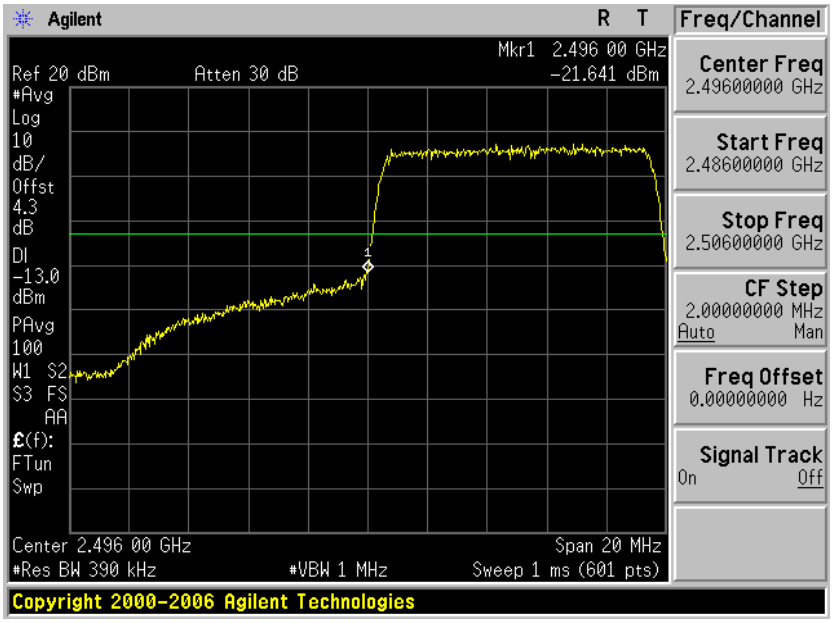
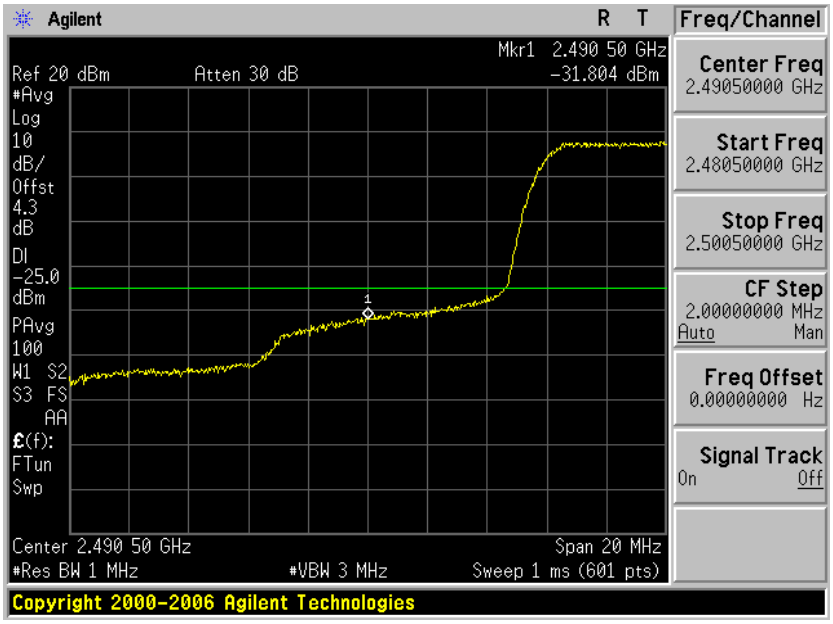
Frequency	LTE Band 26	Channel Bandwidth	5 MHz	RB Allocated	25
Part 22H					
Lower Band Edge					
Higher Band Edge					

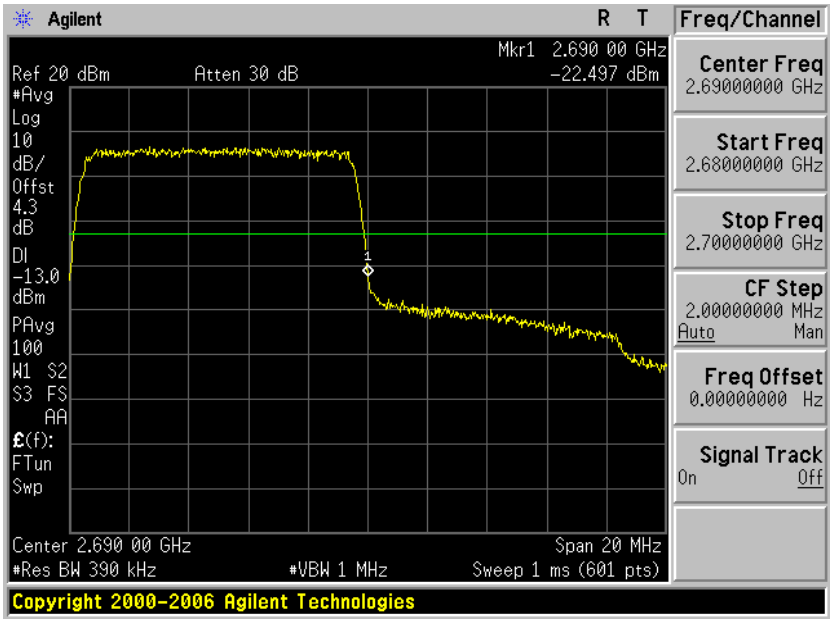
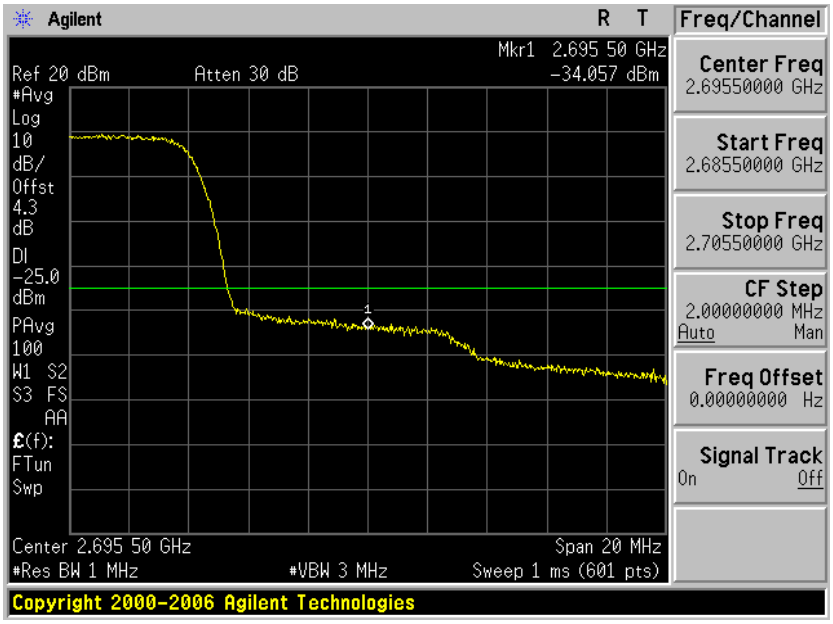
Frequency	LTE Band 26	Channel Bandwidth	10 MHz	RB Allocated	50
Part 22H					
Lower Band Edge					
Higher Band Edge					

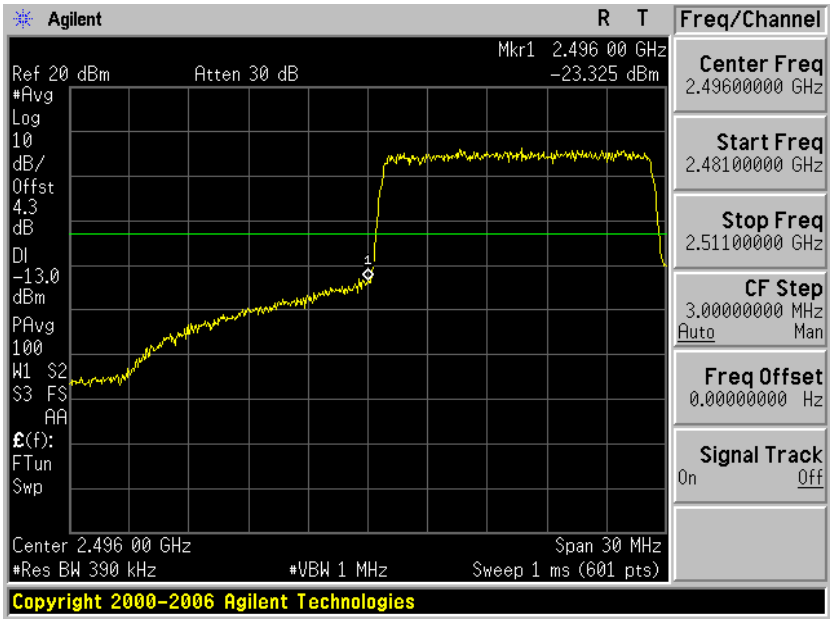
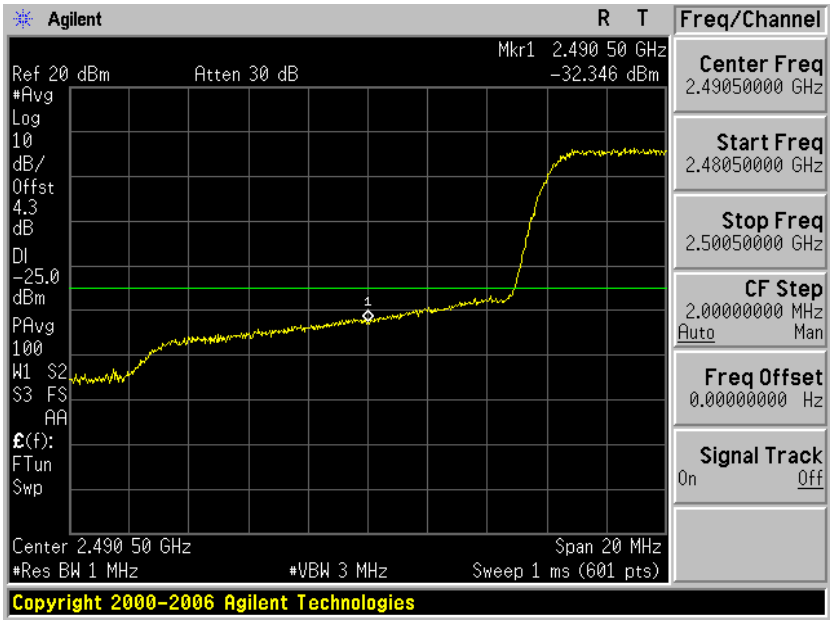
Frequency	LTE Band 26	Channel Bandwidth	15 MHz	RB Allocated	75
Part 22H					
Lower Band Edge					
Higher Band Edge					

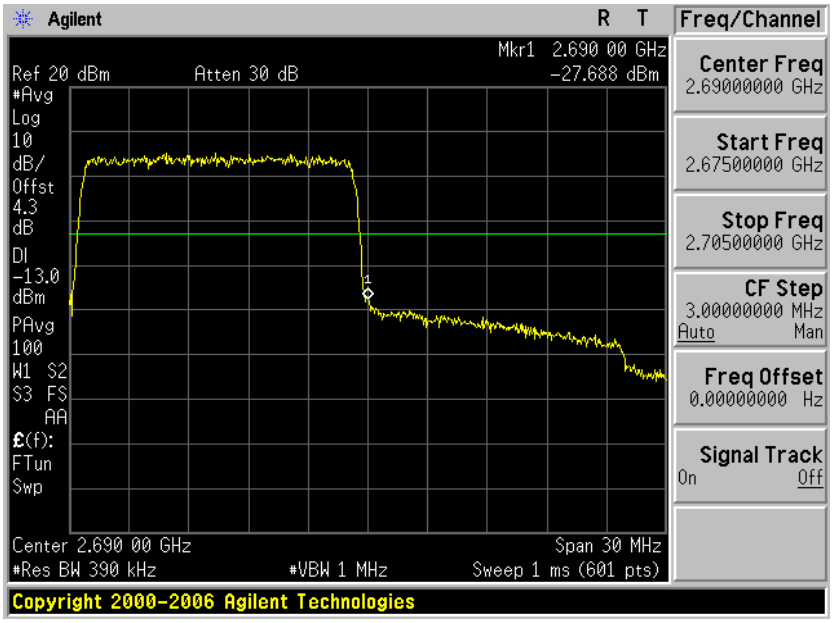
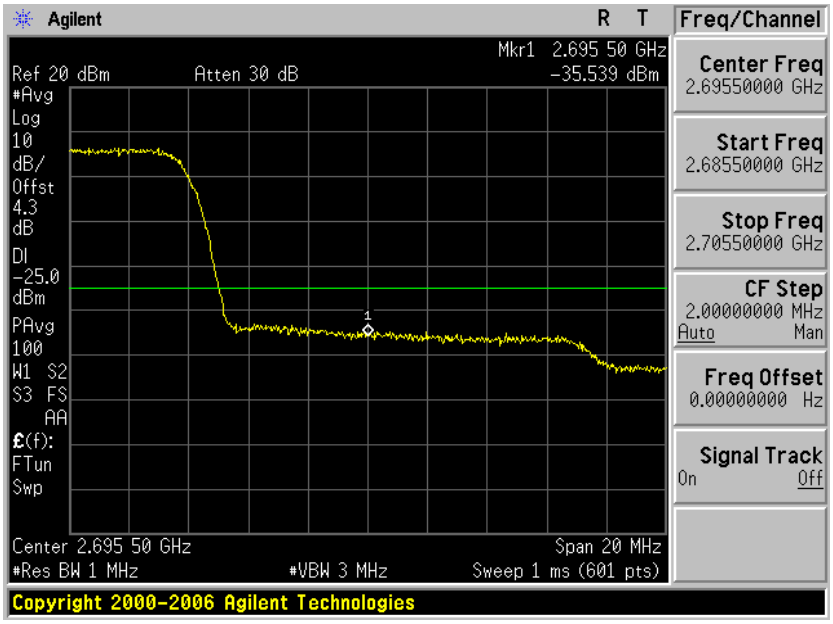
Frequency	LTE Band 41	Channel Bandwidth	5 MHz	RB Allocated	25
Lower Band Edge					
					

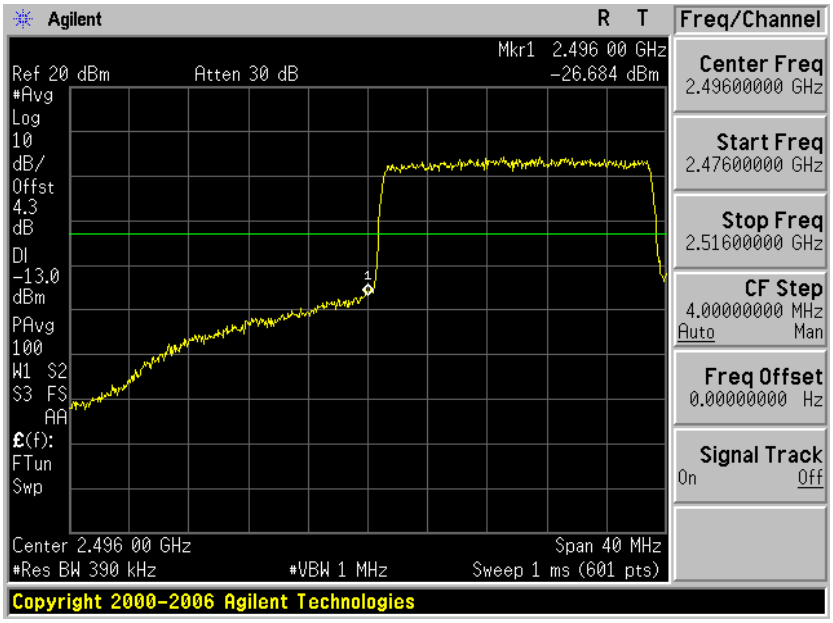
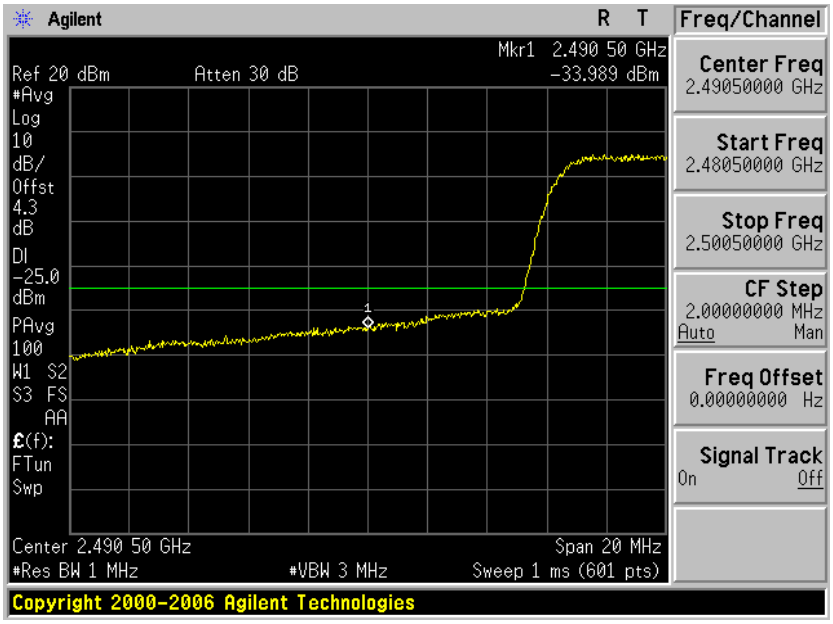
Frequency	LTE Band 41	Channel Bandwidth	5 MHz	RB Allocated	25
Higher Band Edge					
					

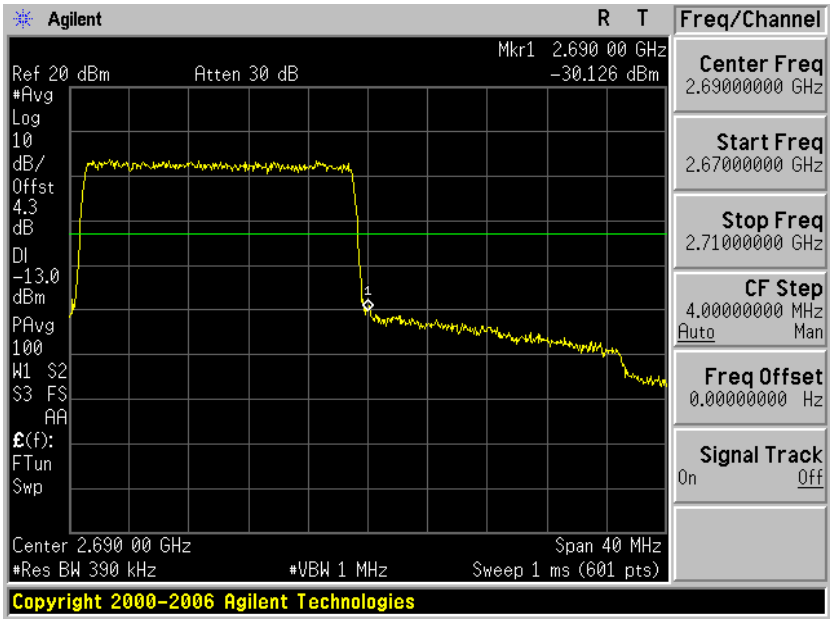
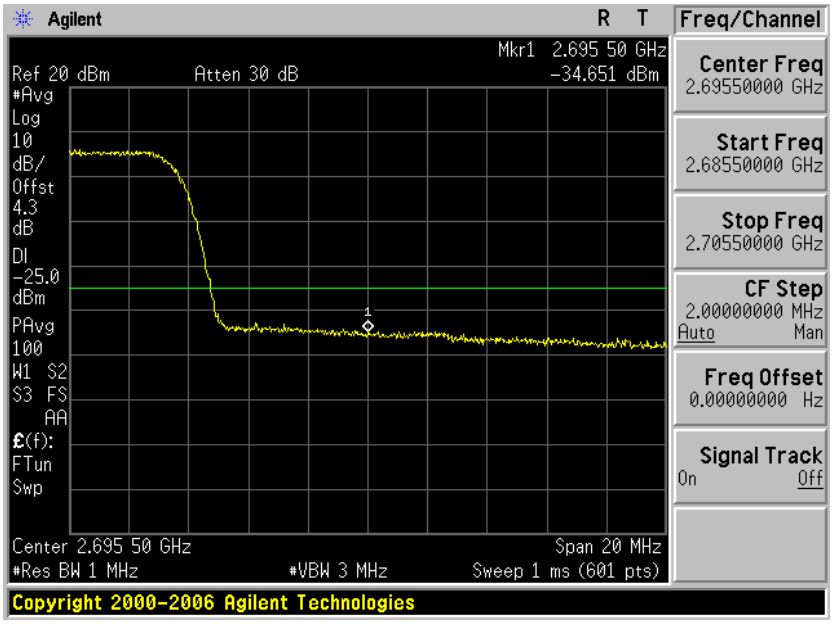
Frequency	LTE Band 41	Channel Bandwidth	10 MHz	RB Allocated	50
Lower Band Edge					
					

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					
					

8 Conducted Spurious Emission Test

8.1. Limit

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 $\log_{10}$(P) dB. The limit of emission equal to -13dBm

8.2. Test Instruments

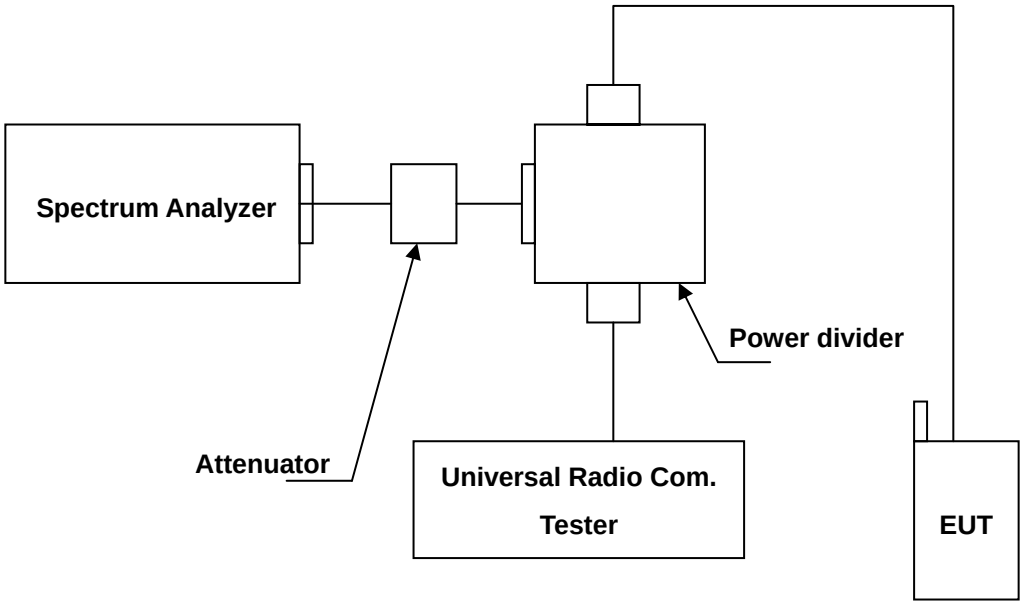
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/14/2015	(1)
Wideband Radio Communication Test	R & S	CMW500	103168	11/05/2014	(1)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE02	TE02	N.C.R.	-----

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

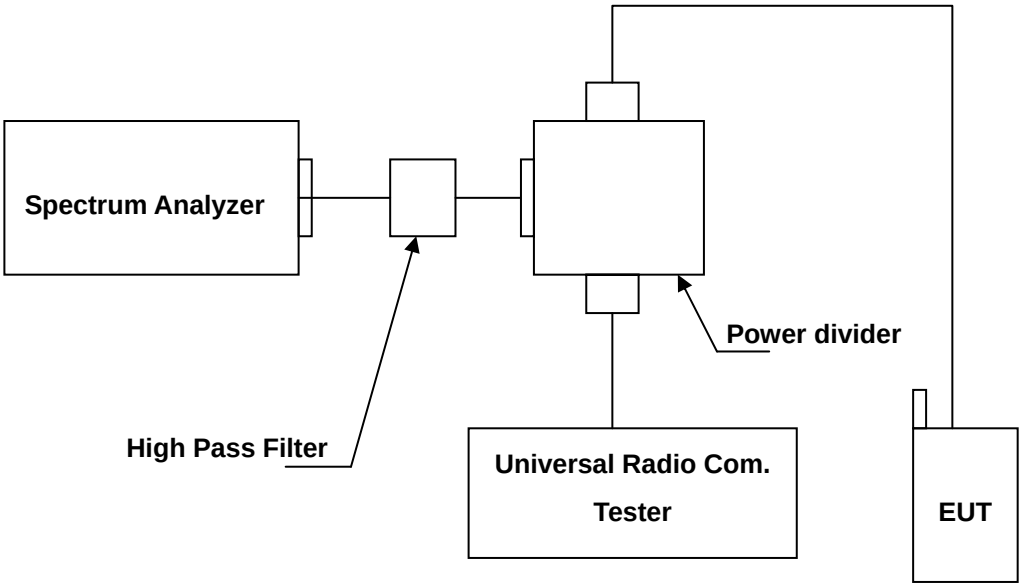
Note: N.C.R. = No Calibration Request.

8.3. Setup

Below 2.8GHz



Above 2.8GHz



8.4. Test Procedure

a. The EUT was set up for the maximum peak power with LTE link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range.).

b. The conducted spurious emission used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

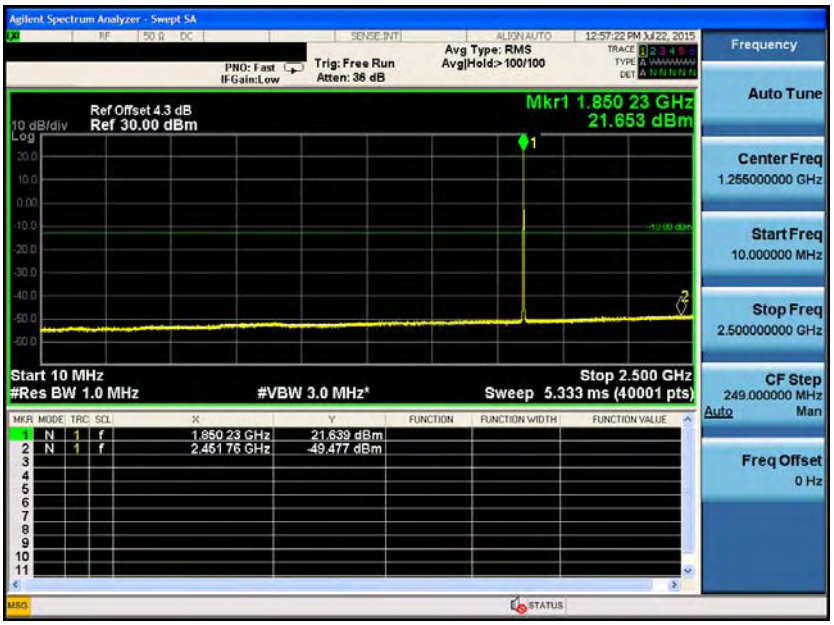
c. When the spectrum scanned from 10MHz to 2.5GHz / 3GHz (for LTE Band7 & 41), shall be connected to the band reject filter attenuated the carried frequency. The spectrum set RB=1MHz, VB=1MHz.

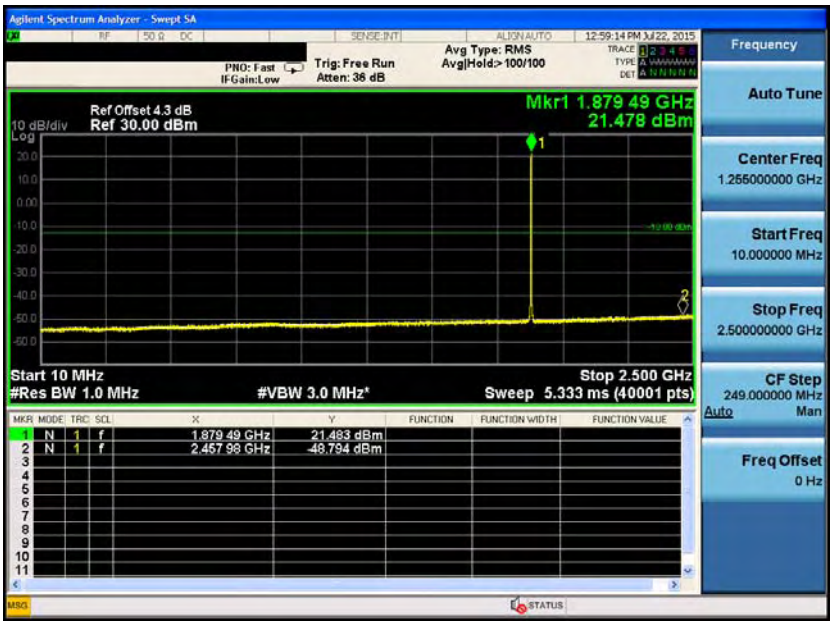
d. When the spectrum scanned from 2.5GHz / 3GHz (for LTE Band7 & 41) to 10th harmonic, it shall be connected to the high pass filter attenuated the carried frequency. The spectrum set RB=1MHz, VB=1MHz.

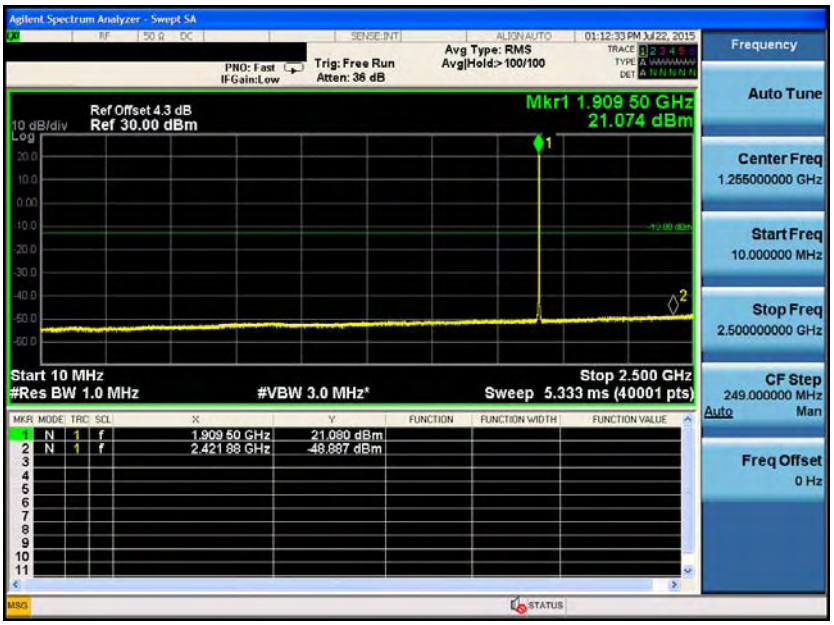
8.5. Uncertainty

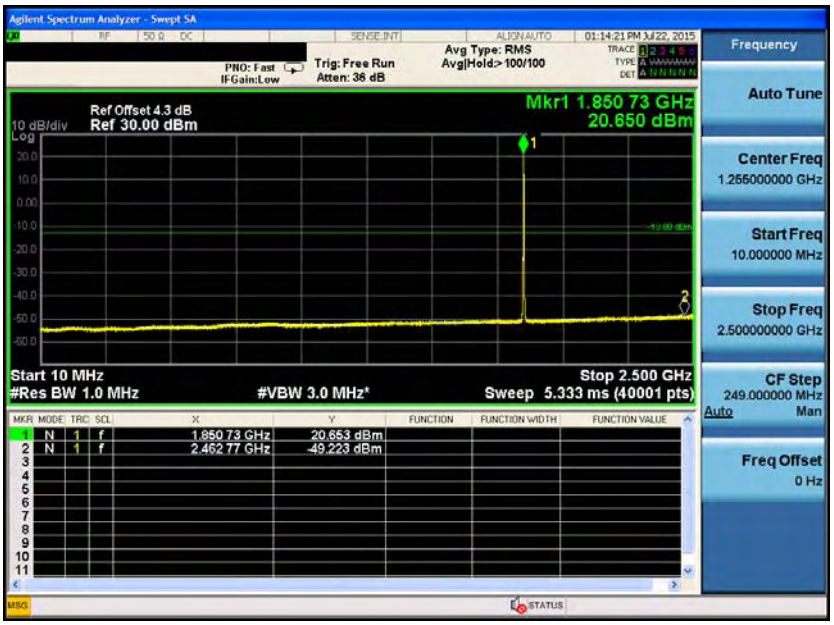
The measurement uncertainty is evaluated as ± 2.24 dB.

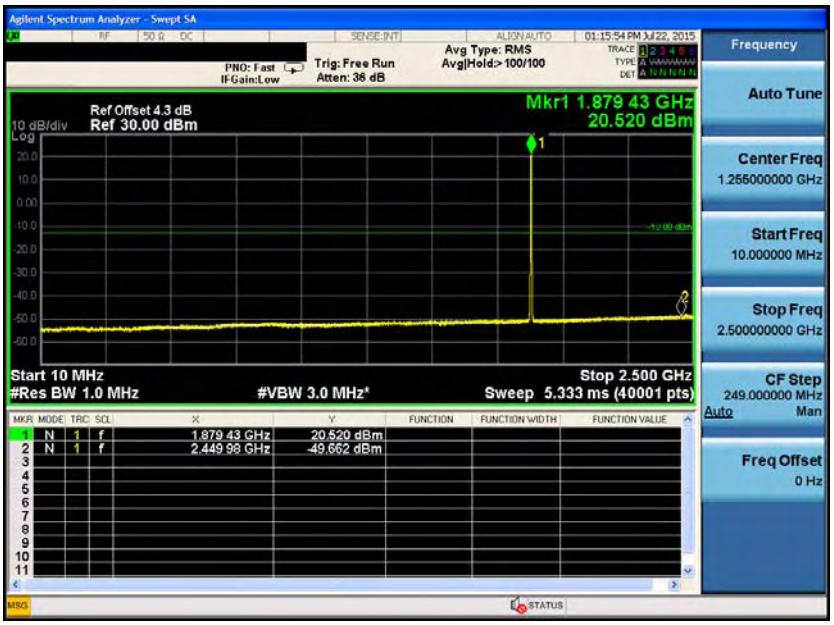
8.6. Test Graphs

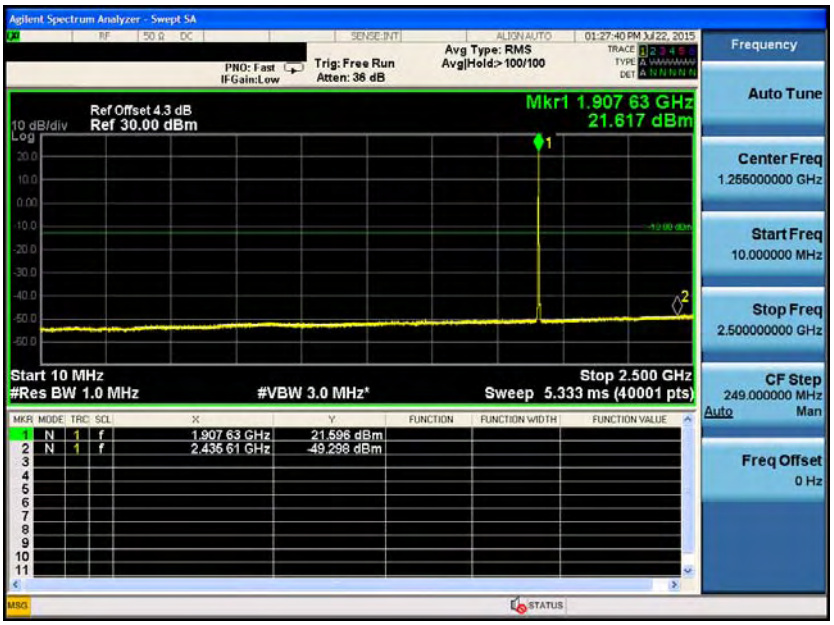
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1850.7 MHz	

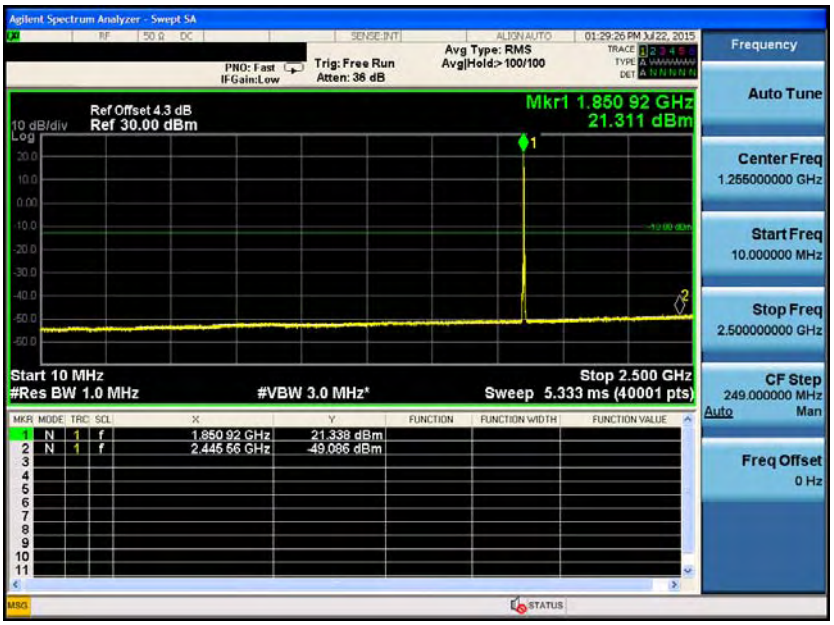
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1880.0 MHz	

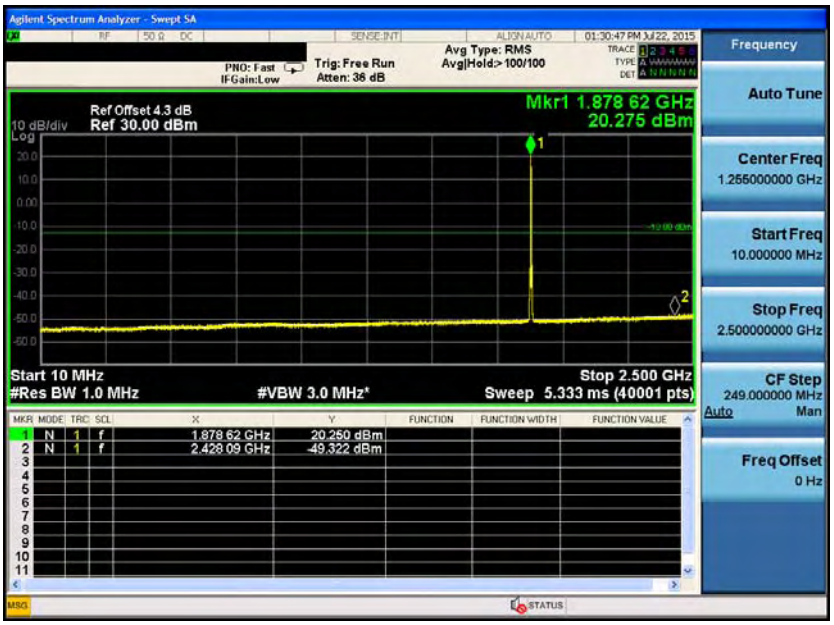
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1909.3 MHz	

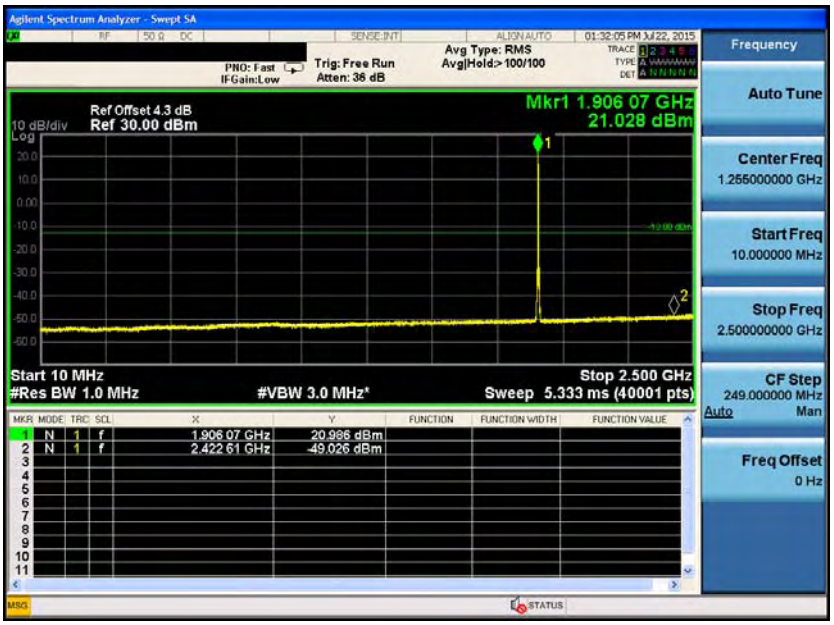
LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK	
1851.5 MHz	

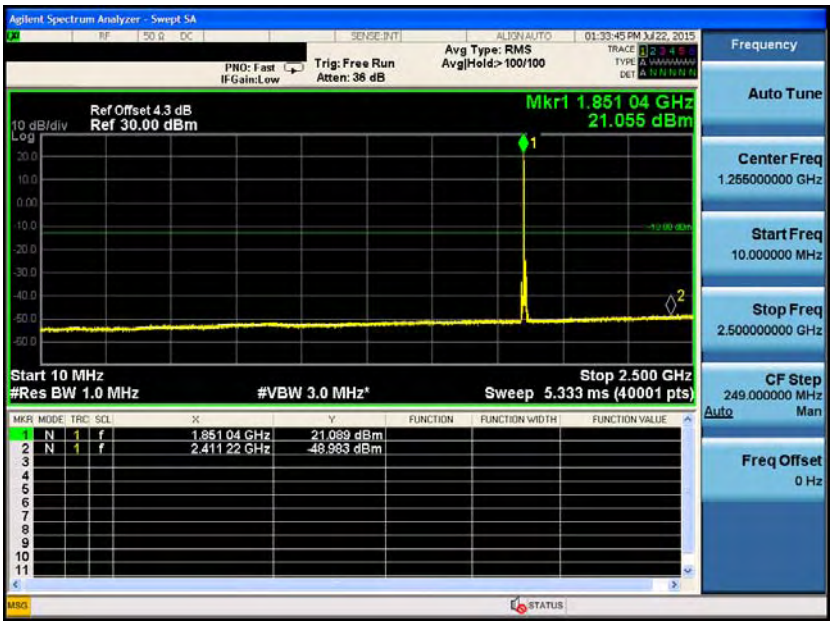
LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK	
1880.0 MHz	

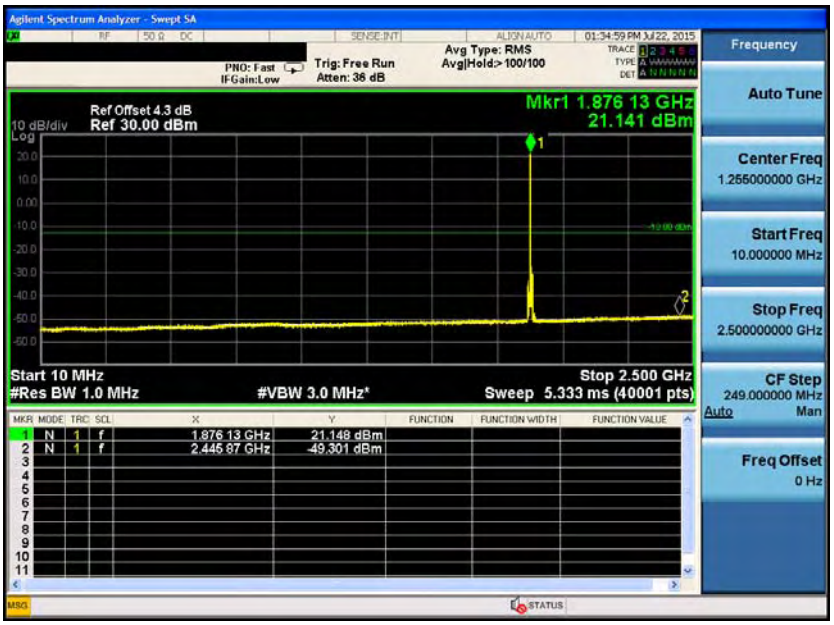
LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK	
1908.5 MHz	

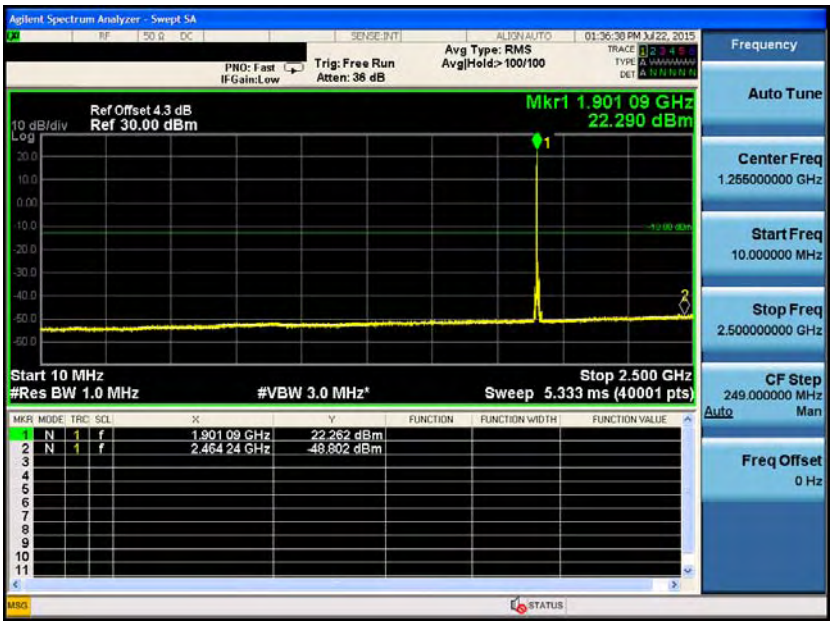
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK	
1852.5 MHz	

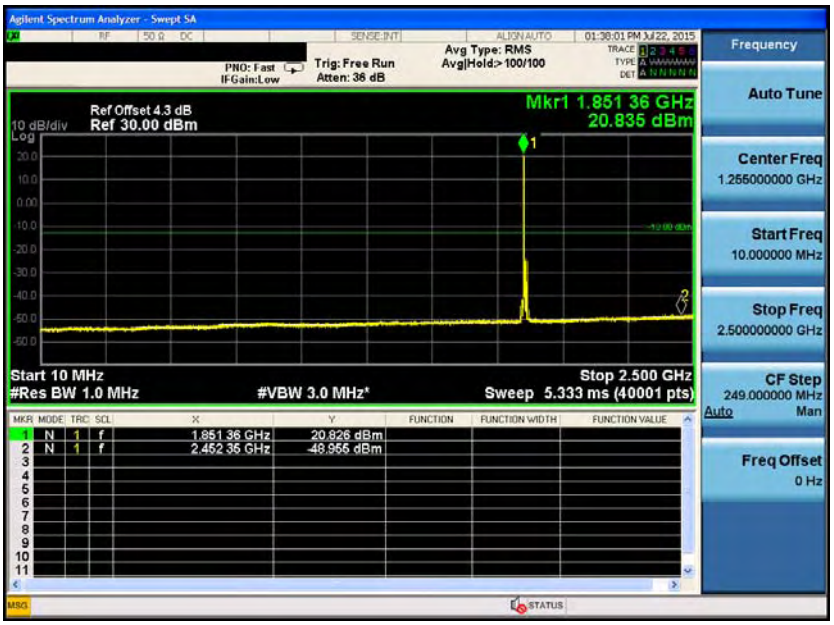
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK	
1880.0 MHz	

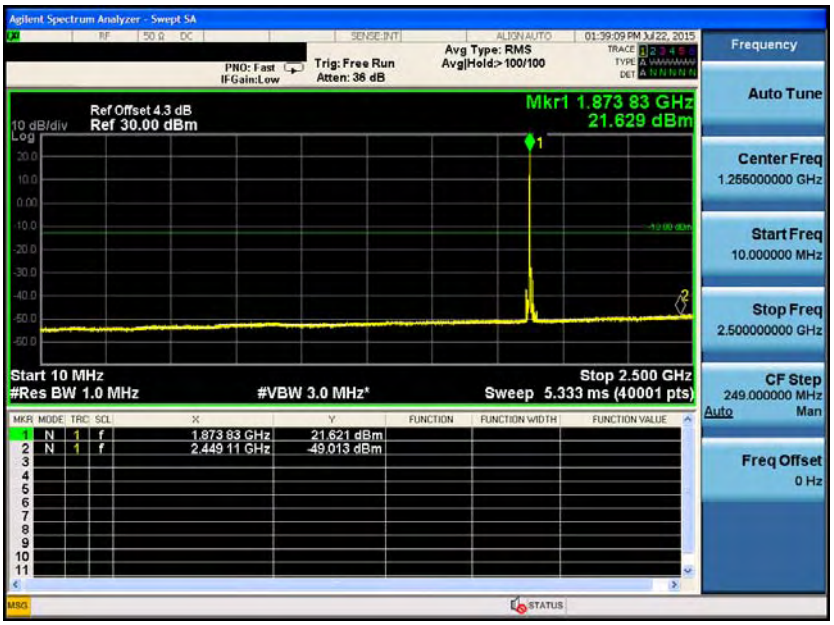
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK	
1907.5 MHz	

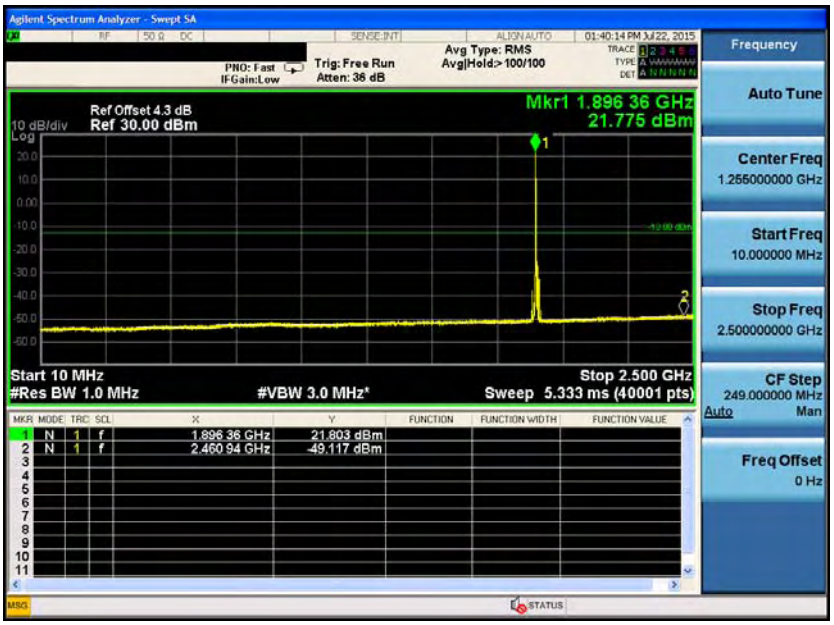
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK	
1855.0 MHz	

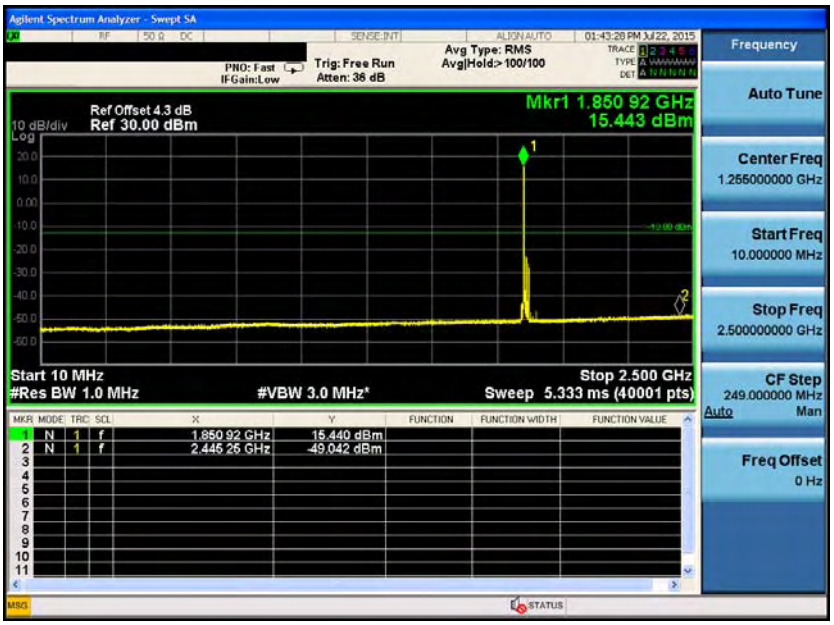
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK	
1880.0 MHz	

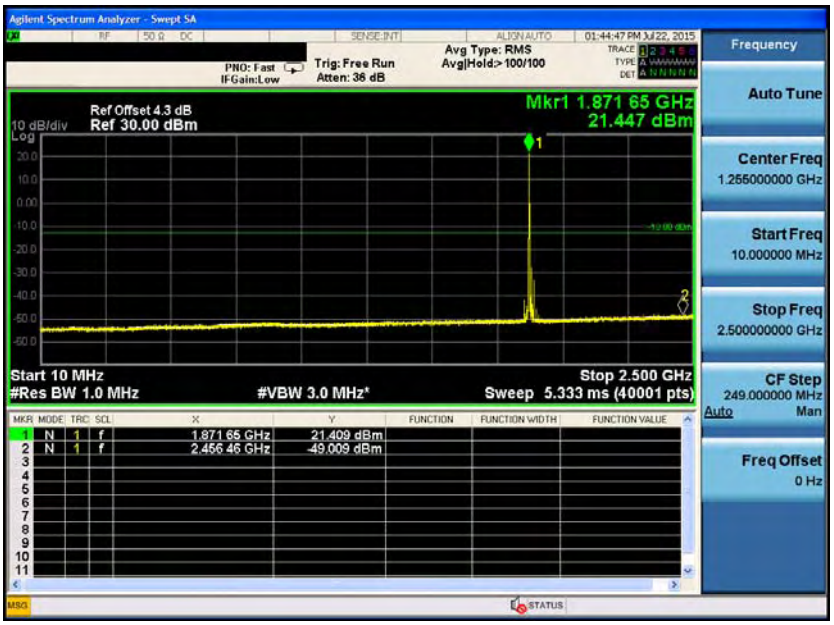
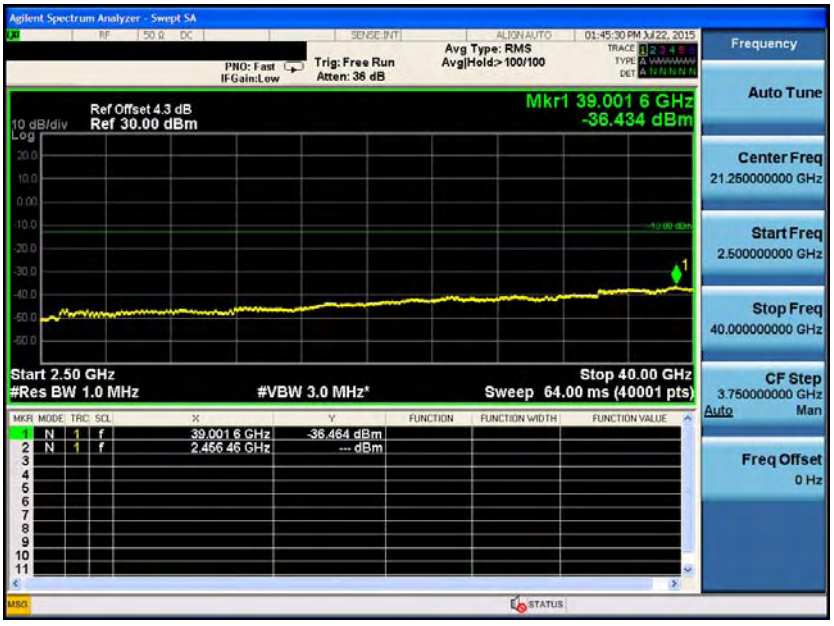
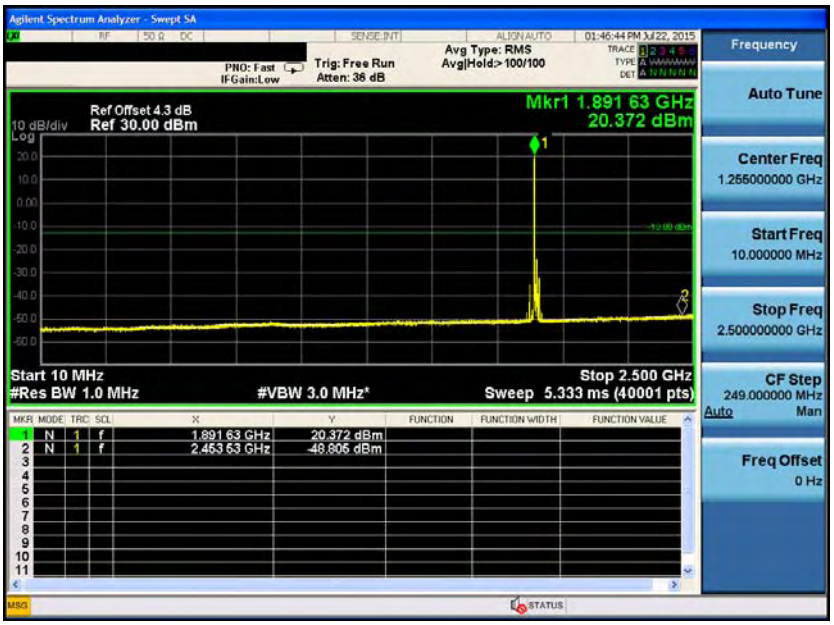
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK	
1905.0 MHz	

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

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

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

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

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

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