



Part 22

TEST REPORT

Product Name	Tablet
Model Name	P1988
FCC ID	VOB-P1988
Client	NVIDIA CORPORATION
Manufacturer	NVIDIA CORPORATION
Date of issue	March 31, 2014

TA Technology (Shanghai) Co., Ltd.

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1. General Information

1.1. Notes of the test report

TA Technology (Shanghai) Co., Ltd. has obtained the accreditation of China National Accreditation Service for Conformity Assessment (CNAS), and accreditation number: L2264.

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements. The site recognition number is 428261.

TA Technology (Shanghai) Co., Ltd. has been listed by industry Canada to perform electromagnetic emission measurement. The site recognition number is 8510A.

TA Technology (Shanghai) Co., Ltd. guarantees the reliability of the data presented in this test report, which is the results of measurements and tests performed for the items under test on the date and under the conditions stated in this test report and is based on the knowledge and technical facilities available at TA Technology (Shanghai) Co., Ltd. at the time of execution of the test.

TA Technology (Shanghai) Co., Ltd. is liable to the client for the maintenance by its personnel of the confidentiality of all information related to the items under test and the results of the test. This report only refers to the item that has undergone the test.

This report alone does not constitute or imply by its own an approval of the product by the certification Bodies or competent Authorities. This report cannot be used partially or in full for publicity and/or promotional purposes without previous written approval of **TA Technology (Shanghai) Co., Ltd.** and the Accreditation Bodies, if it applies.

If the electronic report is inconsistent with the printed one, it should be subject to the latter.

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1.2. Testing laboratory

Company: TA Technology (Shanghai) Co., Ltd.
Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong
City: Shanghai
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1.3. Applicant Information

Company: NVIDIA CORPORATION
Address: 2701 SAN TOMAS EXPRESSWAY,SANTA CLARA,CALIFORNIA 95050,UNITED STATES OF AMERICA

1.4. Manufacturer Information

Company: NVIDIA CORPORATION
Address: 2701 SAN TOMAS EXPRESSWAY,SANTA CLARA,CALIFORNIA 95050,UNITED STATES OF AMERICA

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1.5. Information of EUT

General information

Product IMEI:	4402351228600		
Hardware Version:	A00		
Software Version:	4.4.2		
Antenna Type:	Internal Antenna		
Device Operating Configurations:			
Operating Mode(s):	LTE Band 5; (tested)		
Bandwidth(s):	LTE System: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz		
Test Modulation:	QPSK, 16QAM		
Maximum E.I.R.P.	21.747 dBm		
Power Supply:	Battery or Charger		
Rated Power Supply Voltage:	3.7V		
Extreme Voltage:	Minimum: 3.5V Maximum: 4.2V		
Extreme Temperature:	Lowest: 0°C Highest: 40°C		
Test Channel: (Low - Middle - High)	20407-20525-20643 (LTE Band 5, 1.4M) (tested) 20415-20525-20635 (LTE Band 5, 3M) (tested) 20425-20525-20625 (LTE Band 5, 5M) (tested) 20450-20525-20600 (LTE Band 5, 10M) (tested)		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	LTE Band 5(1.4MHz)	824.7 ~848.3	869.7~893.3
	LTE Band 5(3MHz)	825.5~847.5	870.5~892.5
	LTE Band 5(5MHz)	826.5~846.5	871.5~891.5
	LTE Band 5(10 MHz)	829.0~844.0	874.0~889.0

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Equipment Under Test (EUT) is tested LTE Band 5 in this report.

The sample under test was selected by the Client.

Components list please refer to documents of the manufacturer.

1.6. Test Date

The test is performed from March 20, 2014 to March 27, 2014.

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2. Test Information

2.1. Summary of test results

Number	Test Case	Clause in FCC rules	Verdict
1	RF power output	2.1046	PASS
2	Effective Radiated Power	22.913(a)(2)	PASS
3	Occupied Bandwidth	2.1049	PASS
4	Band Edge Compliance	22.917	PASS
5	Peak-to-Average Power Ratio	KDB 971168 D01(5.7)	PASS
6	Frequency Stability	2.1055 / 22.355	PASS
7	Spurious Emissions at Antenna Terminals	2.1051 / 22.917(a)	PASS
8	Radiates Spurious Emission	2.1053 / 22.917 (a)	PASS

2.2. RF Power Output

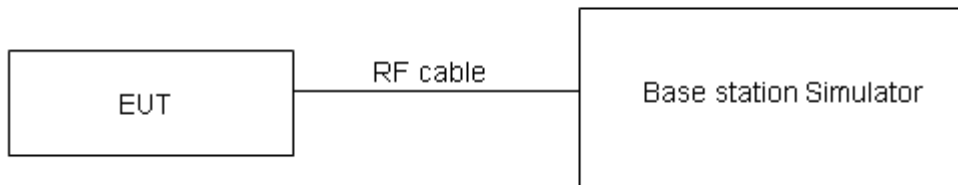
Ambient condition

Temperature	Relative humidity
21°C ~25°C	40%~60%

Methods of Measurement

During the process of the testing, The EUT is controlled by the Base Station Simulator to ensure max power transmission and proper modulation.

Test Setup



The loss between RF output port of the EUT and the input port of the tester has been taken into consideration.

Limits

No specific RF power output requirements in part 2.1046.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.4$ dB.

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Test Results

LTE Band 5				Average Conducted Power (dBm)		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20407	20525	20643
1.4MHz	QPSK	1	0	22.768	23.089	22.83
		1	2	22.809	23.078	22.802
		1	5	22.888	23.036	22.801
		3	0	22.728	22.892	22.958
		3	2	22.707	22.991	22.8
		3	3	22.776	22.942	22.725
		6	0	21.795	22.171	22.004
	16QAM	1	0	23.012	22.15	23.607
		1	2	22.719	22.05	23.03
		1	5	23.06	21.745	23.002
		3	0	22.49	22.114	22.212
		3	2	22.724	22.098	22.217
		3	3	22.581	22.036	22.096
		6	0	21.556	21.664	21.425
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20415	20525	20635
3MHz	QPSK	1	0	22.768	23.01	22.817
		1	7	22.78	23.102	22.916
		1	14	22.635	22.94	22.727
		8	0	21.902	22.115	21.917
		8	4	21.805	21.994	21.873
		8	7	21.798	21.928	21.895
		15	0	21.783	22.129	21.842
	16QAM	1	0	22.612	22.881	22.158
		1	7	22.707	22.679	22.154
		1	14	22.475	23.033	22.15
		8	0	21.048	21.557	21.643
		8	4	20.948	21.305	21.577
		8	7	20.997	21.183	21.236
		15	0	20.985	21.385	21.011
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20425	20525	20625
5MHz	QPSK	1	0	22.538	22.851	22.678
		1	13	22.388	22.844	22.717
		1	24	22.587	22.692	22.745
		12	0	21.751	22.016	21.839
		12	6	21.85	22.053	21.712
		12	13	21.78	22.139	21.802
		25	0	21.732	21.931	21.795

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	16QAM	1	0	22.696	23.085	21.578
		1	13	22.079	22.586	22.009
		1	24	22.348	22.874	21.945
		12	0	20.9	21.278	21.124
		12	6	21.194	21.163	21.025
		12	13	21.055	21.336	21.128
		25	0	20.842	21.119	21.311
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20450	20525	20600
10MHz	QPSK	1	0	22.868	22.746	22.512
		1	25	22.818	22.97	22.418
		1	49	22.669	22.671	22.619
		25	0	21.742	22.042	21.749
		25	13	21.71	22.021	21.628
		25	25	21.776	22.026	21.716
		50	0	21.674	21.862	21.726
	16QAM	1	0	22.306	22.311	22.581
		1	25	22.397	22.149	23.001
		1	49	21.922	22.471	23.06
		25	0	20.935	21.36	21.037
		25	13	20.959	21.228	21.039
		25	25	21.058	21.184	21.043
		50	0	20.859	21.042	20.688

2.3. Effective Radiated Power

Ambient condition

Temperature	Relative humidity
21°C ~25°C	40%~60%

Methods of Measurement

The measurement procedures in TIA- 603C are used.

1. The EUT was placed on a turntable with 1.5 meter height in a fully anechoic chamber.
2. The EUT was set at 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. GSM operating modes: Set RBW= 1MHz, VBW= 3MHz, RMS detector over burst;
UMTS operating modes: Set RBW= 100 KHz, VBW= 300 KHz, RMS detector over frame, and use channel power option with bandwidth=5MHz, per section 4.0 of KDB 971168 D01.
4. The table was rotated 360 degrees to determine the position of the highest radiated power.
5. The height of the receiving antenna is adjusted to look for the maximum ERP/EIRP.
6. Taking the record of maximum ERP/EIRP.
7. A dipole antenna was substituted in place of the EUT and was driven by a signal generator.
8. The conducted power at the terminal of the dipole antenna is measured.
9. Repeat step 3 to step 5 to get the maximum ERP/EIRP of the substitution antenna.
10. $ERP/EIRP = P_s + E_t - E_s + G_s = P_s + R_t - R_s + G_s$

P_s (dBm) : Input power to substitution antenna.

G_s (dBi or dBd) : Substitution antenna Gain.

$E_t = R_t + AF$

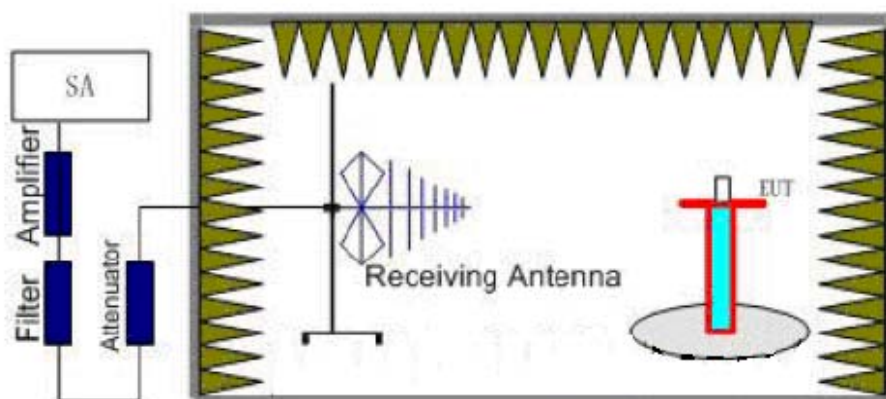
$E_s = R_s + AF$

AF (dB/m) : Receive antenna factor

R_t : The highest received signal in spectrum analyzer for EUT.

R_s : The highest received signal in spectrum analyzer for substitution antenna.

Test Setup



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Limits

Rule Part 22.913(a) specifies that "Mobile/portable stations are limited to 7 watts ERP".

Limit	$\leq 7 \text{ W}$ (38.45 dBm)
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Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 1.19 \text{ dB}$

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Test Results:Pass

LTE BAND5 QPSK

LTE BAND5 Radiated Power EIRP(1.4M)						
Horizontal Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
824.7	-25.55	-45.31	0	1.13	20.89	0.1227
836.5	-25.35	-45.28	0	1.24	21.17	0.1309
848.3	-26.08	-45.24	0	1.33	20.49	0.1119
Vertical Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
824.7	-26.09	-45.40	0	1.13	20.44	0.1107
836.5	-25.47	-45.32	0	1.24	21.09	0.1285
848.3	-25.70	-45.34	0	1.33	20.97	0.1250
LTE BAND5 Radiated Power EIRP(3M)						
Horizontal Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
825.5	-25.64	-45.31	0	1.13	20.8	0.1202
836.5	-25.44	-45.28	0	1.24	21.08	0.1282
847.5	-26.17	-45.24	0	1.33	20.4	0.1096
Vertical Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
825.5	-26.18	-45.40	0	1.13	20.35	0.1084
836.5	-25.56	-45.32	0	1.24	21	0.1259
847.5	-25.79	-45.34	0	1.33	20.88	0.1225
LTE BAND5 Radiated Power EIRP(5M)						
Horizontal Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
826.5	-25.70	-45.31	0	1.13	20.74	0.1186
836.5	-25.50	-45.28	0	1.24	21.02	0.1265
846.5	-26.23	-45.24	0	1.33	20.34	0.1081
Vertical Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
826.5	-26.24	-45.40	0	1.13	20.29	0.1069

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836.5	-25.62	-45.32	0	1.24	20.94	0.1242
846.5	-25.85	-45.34	0	1.33	20.82	0.1208
LTE BAND5 Radiated Power EIRP(10M)						
Horizontal Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
829	-25.86	-45.31	0	1.13	20.58	0.1143
836.5	-25.66	-45.28	0	1.24	20.86	0.1219
844	-26.39	-45.24	0	1.33	20.18	0.1042
Vertical Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
829	-26.40	-45.40	0	1.13	20.13	0.1030
836.5	-25.78	-45.32	0	1.24	20.78	0.1197
844	-26.01	-45.34	0	1.33	20.66	0.1164

LTE BAND 5 16QAM

LTE BAND5 Radiated Power EIRP(1.4M)						
Horizontal Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
824.7	-25.31	-45.31	0	1.13	21.134	0.1298
836.5	-26.29	-45.28	0	1.24	20.231	0.1055
848.3	-25.30	-45.24	0	1.33	21.267	0.1339
Vertical Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
824.7	-25.85	-45.40	0	1.13	20.684	0.1171
836.5	-26.41	-45.32	0	1.24	20.151	0.1035
848.3	-24.92	-45.34	0	1.33	21.747	0.1495
LTE BAND5 Radiated Power EIRP(3M)						
Horizontal Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
825.5	-25.80	-45.31	0	1.13	20.644	0.1160
836.5	-25.57	-45.28	0	1.24	20.951	0.1245
847.5	-26.83	-45.24	0	1.33	19.741	0.0942
Vertical Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)

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825.5	-26.34	-45.40	0	1.13	20.194	0.1046
836.5	-25.69	-45.32	0	1.24	20.871	0.1222
847.5	-26.45	-45.34	0	1.33	20.221	0.1052
LTE BAND5 Radiated Power EIRP(5M)						
Horizontal Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
826.5	-25.54	-45.31	0	1.13	20.898	0.1230
836.5	-25.27	-45.28	0	1.24	21.254	0.1335
846.5	-27.33	-45.24	0	1.33	19.24	0.0839
Vertical Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
826.5	-26.08	-45.40	0	1.13	20.448	0.1109
836.5	-25.39	-45.32	0	1.24	21.174	0.1310
846.5	-26.95	-45.34	0	1.33	19.72	0.0938
LTE BAND5 Radiated Power EIRP(10M)						
Horizontal Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
829	-26.36	-45.31	0	1.13	20.076	0.1018
836.5	-26.10	-45.28	0	1.24	20.425	0.1103
844	-26.32	-45.24	0	1.33	20.249	0.1059
Vertical Polarization						
Frequency(MHz)	Rt(dBm)	Rs(dBm)	Ps(dBm)	Gs(dBi)	EIRP(dBm)	RIRP(W)
829	-26.90	-45.40	0	1.13	19.626	0.0917
836.5	-26.22	-45.32	0	1.24	20.345	0.1083
844	-25.94	-45.34	0	1.33	20.729	0.1183

2.4. Occupied Bandwidth

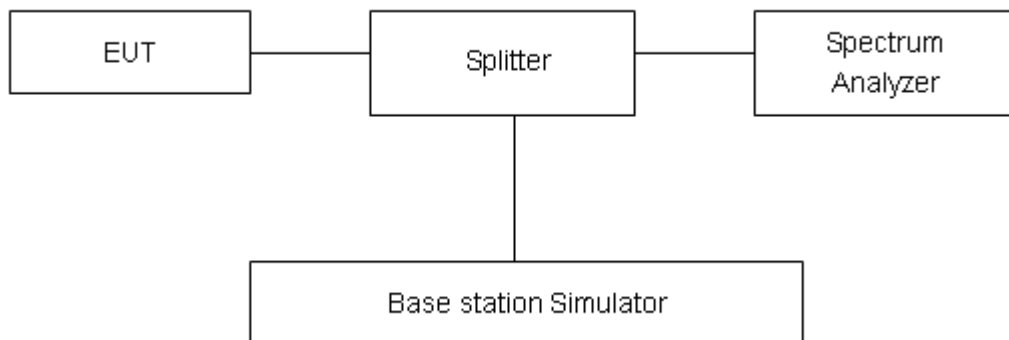
Ambient condition

Temperature	Relative humidity
21°C ~25°C	40%~60%

Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The occupied bandwidth is measured using spectrum analyzer. The RBW is set larger than 1% of 26dB bandwidth. 99% power and -26dBc occupied bandwidths are recorded. Spectrum analyzer plots are included on the following pages.

Test Setup



Limits

No specific occupied bandwidth requirements in part 2.1049.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 624\text{Hz}$.

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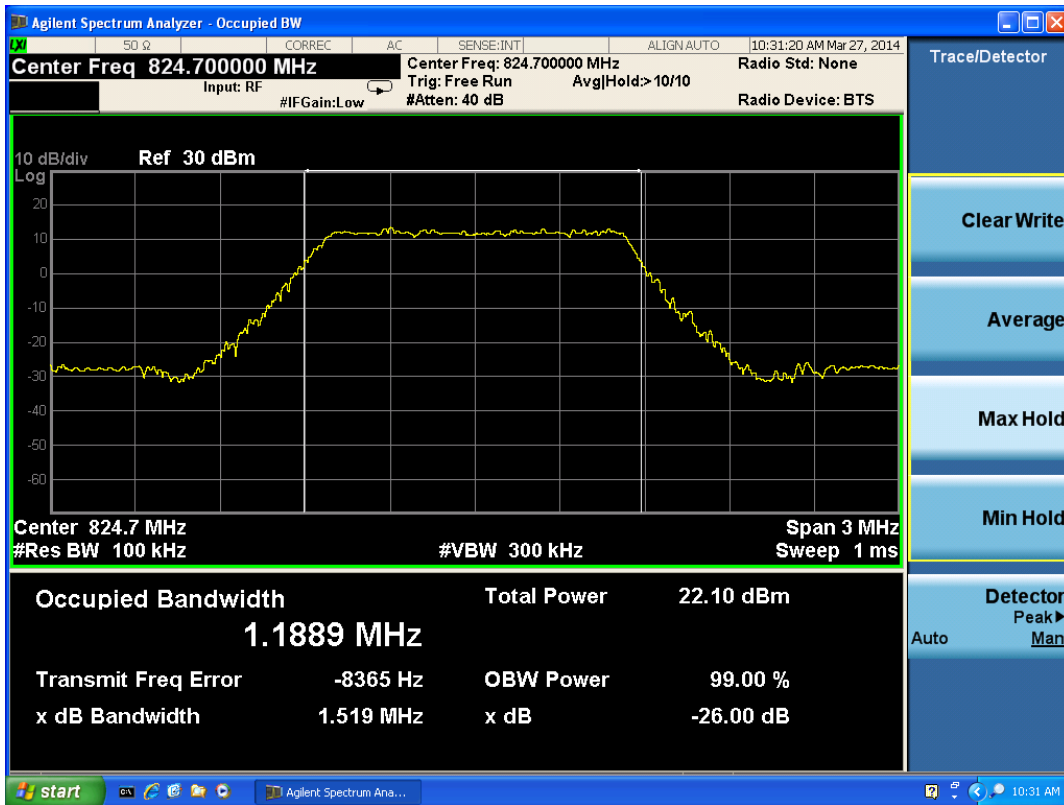
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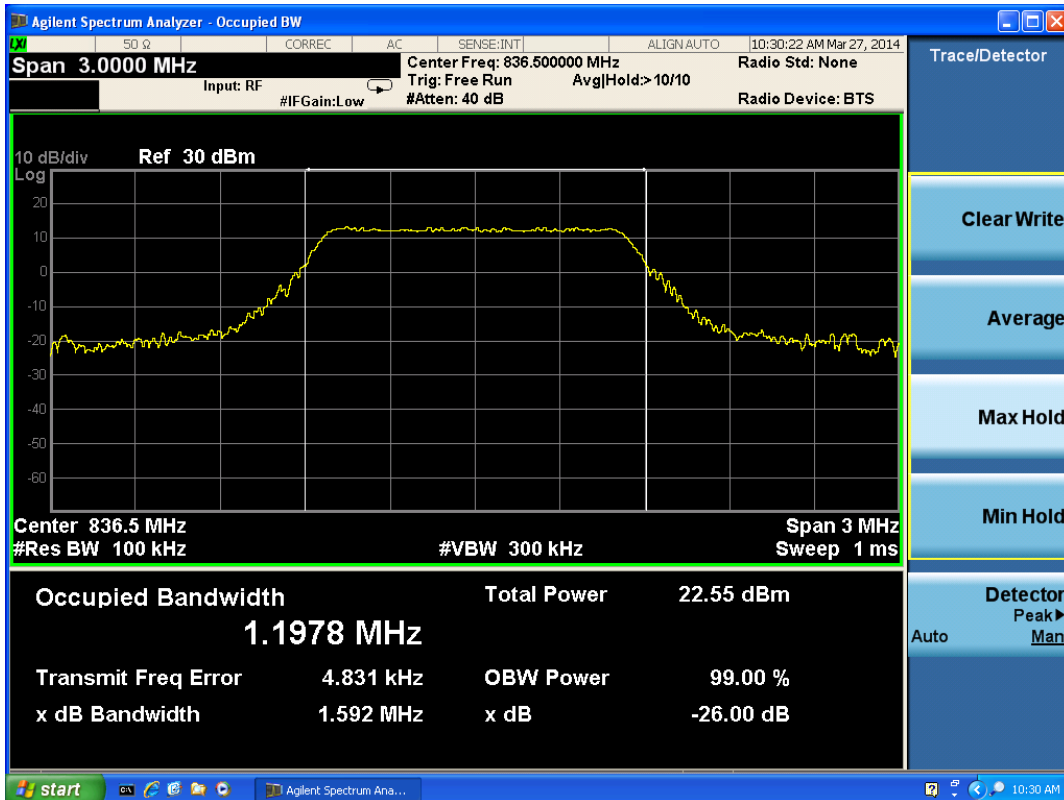
Test Result

LTE Band 5						
RB	Modulation	Bandwidth ((MHz))	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	20407	824.7	1.1889	1.519
			20525	836.5	1.1978	1.592
			20643	848.3	1.1878	1.584
		3	20415	825.5	2.7488	3.166
			20525	836.5	2.7504	3.145
			20635	847.5	2.7480	3.147
		5	20425	826.5	4.5157	5.103
			20525	836.5	4.5066	4.982
			20625	846.5	4.5137	5.079
		10	20450	829	9.0404	10.08
			20525	836.5	9.0755	10.35
			20600	844	9.0448	10.23
	16QAM	1.4	20407	824.7	1.1941	1.571
			20525	836.5	1.2042	1.508
			20643	848.3	1.1904	1.545
		3	20415	825.5	2.7327	3.179
			20525	836.5	2.7439	3.194
			20635	847.5	2.7437	3.166
		5	20425	826.5	4.5153	5.047
			20525	836.5	4.5234	5.095
			20625	846.5	4.5285	5.043
		10	20450	829	9.0303	10.08
			20525	836.5	9.0513	10.01
			20600	844	9.0777	10.03

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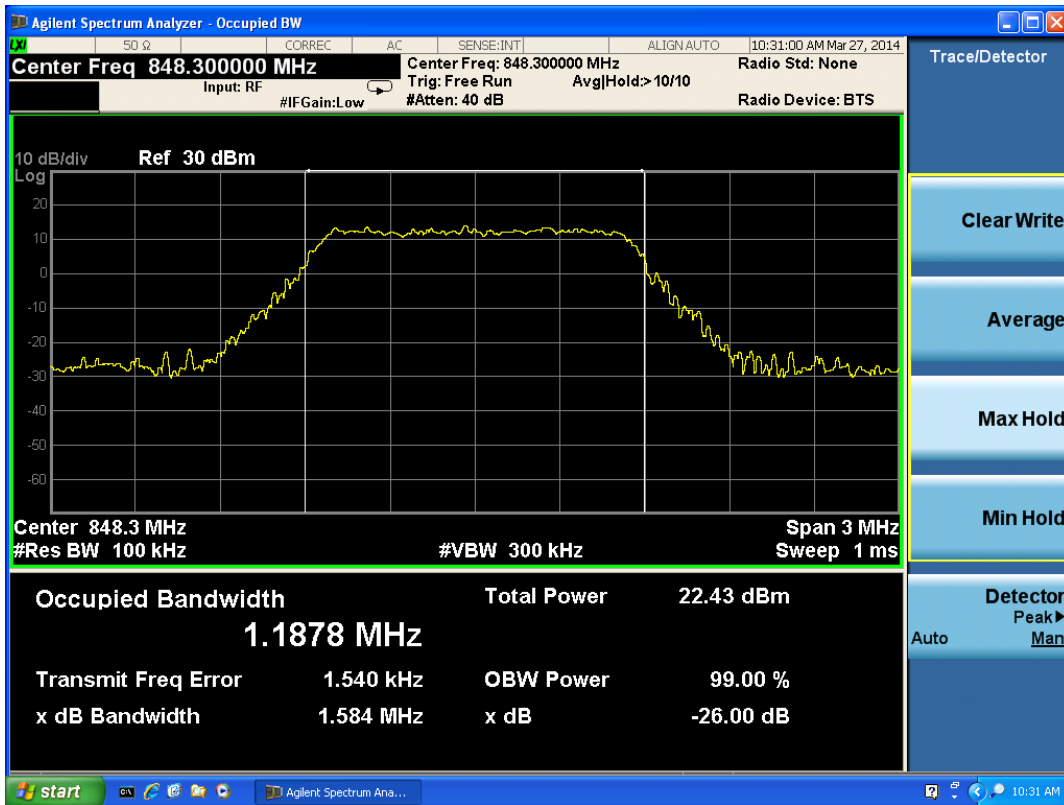


LTE Band 5 QPSK Bandwidth = 1.4MHz CH20407 Occupied Bandwidth

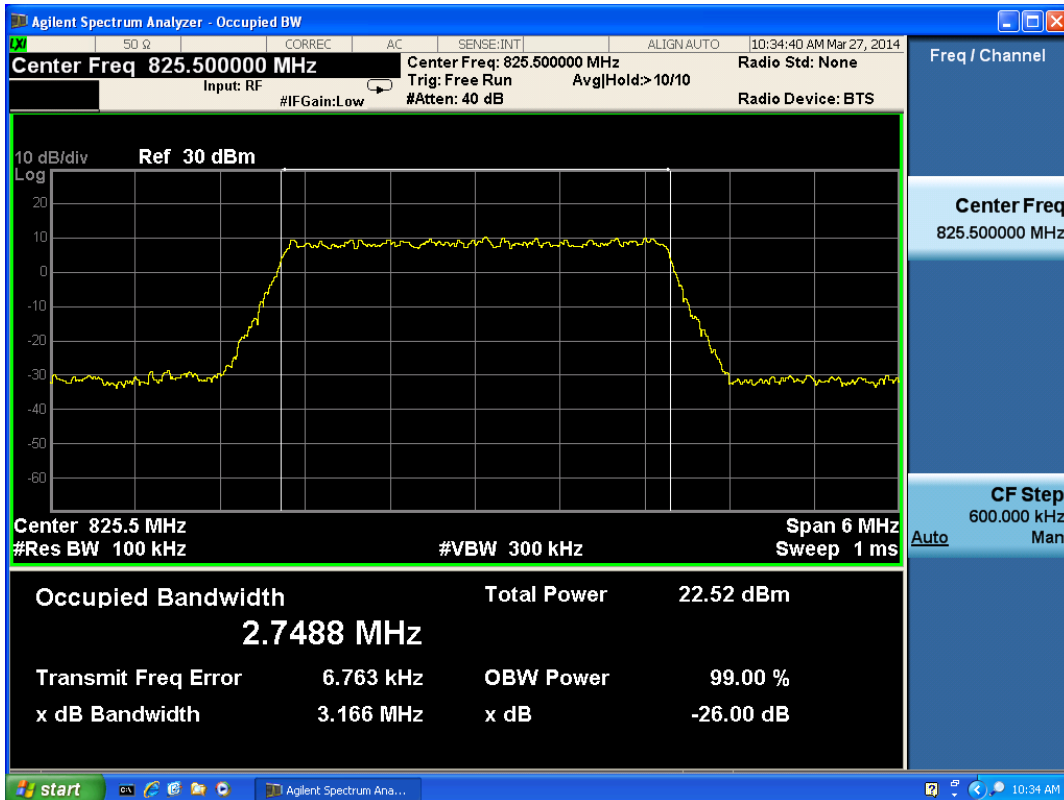


LTE Band 5 QPSK Bandwidth = 1.4MHz CH20525 Occupied Bandwidth

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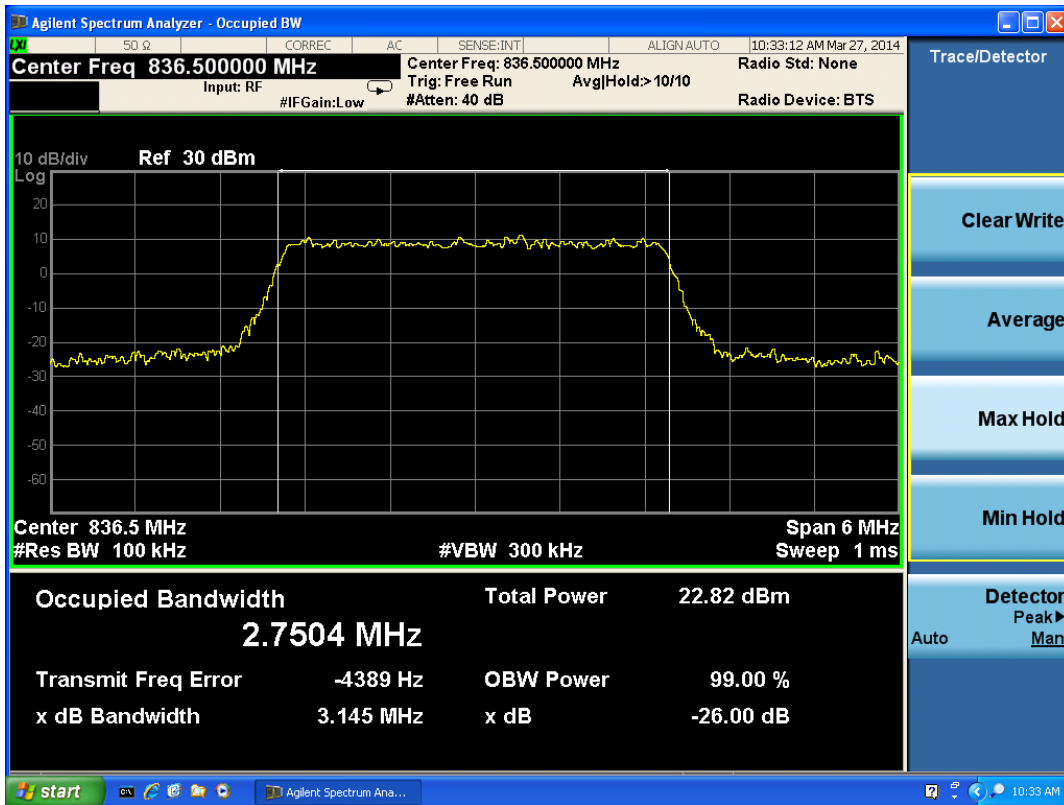


LTE Band 5 QPSK Bandwidth = 1.4MHz CH20643 Occupied Bandwidth

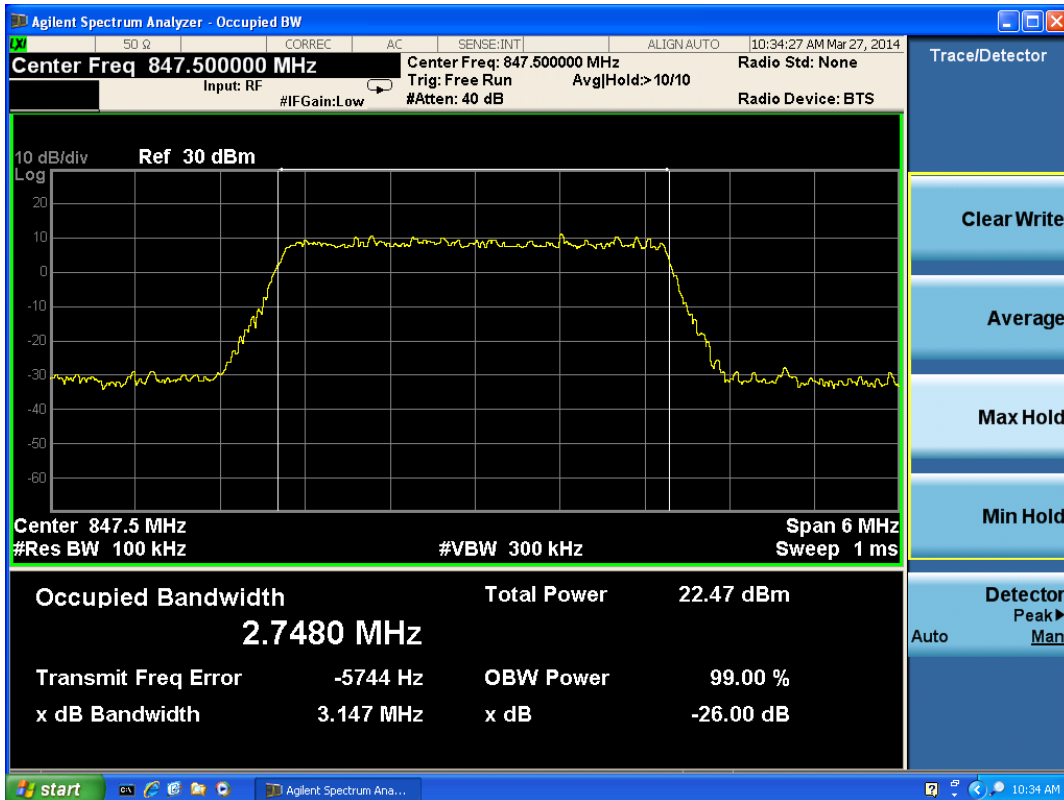


LTE Band 5 QPSK Bandwidth = 3MHz CH20415 Occupied Bandwidth

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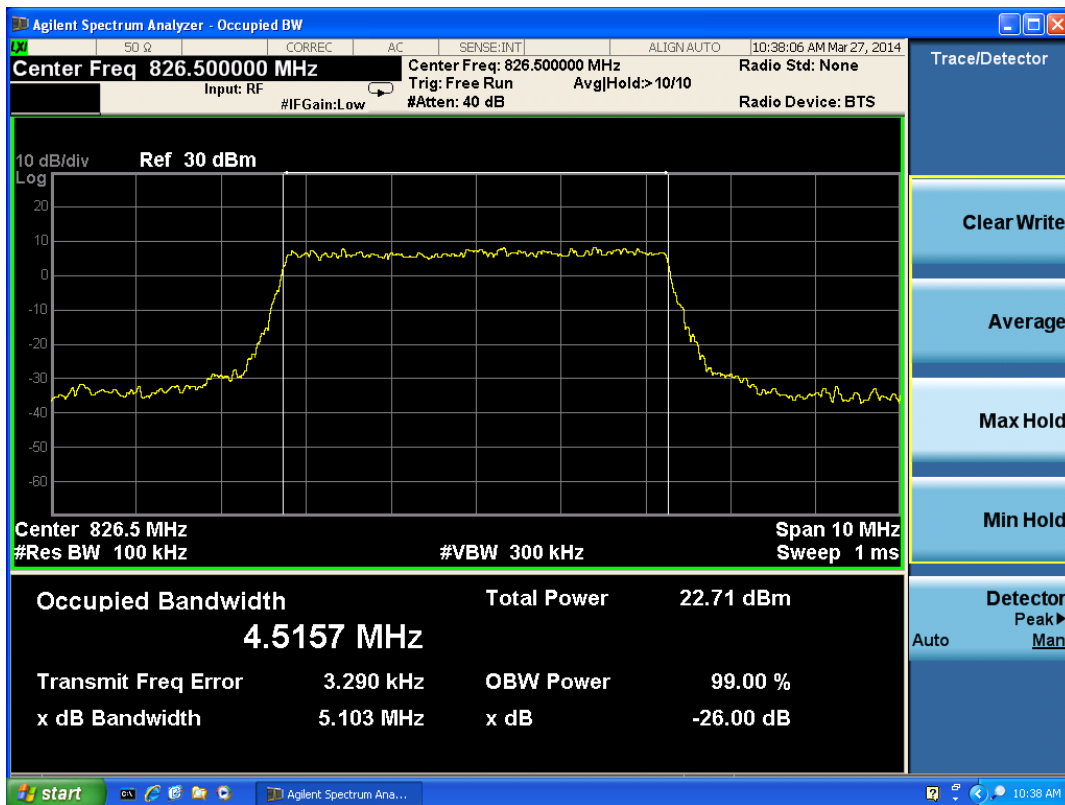


LTE Band 5 QPSK Bandwidth = 3MHz CH20525 Occupied Bandwidth

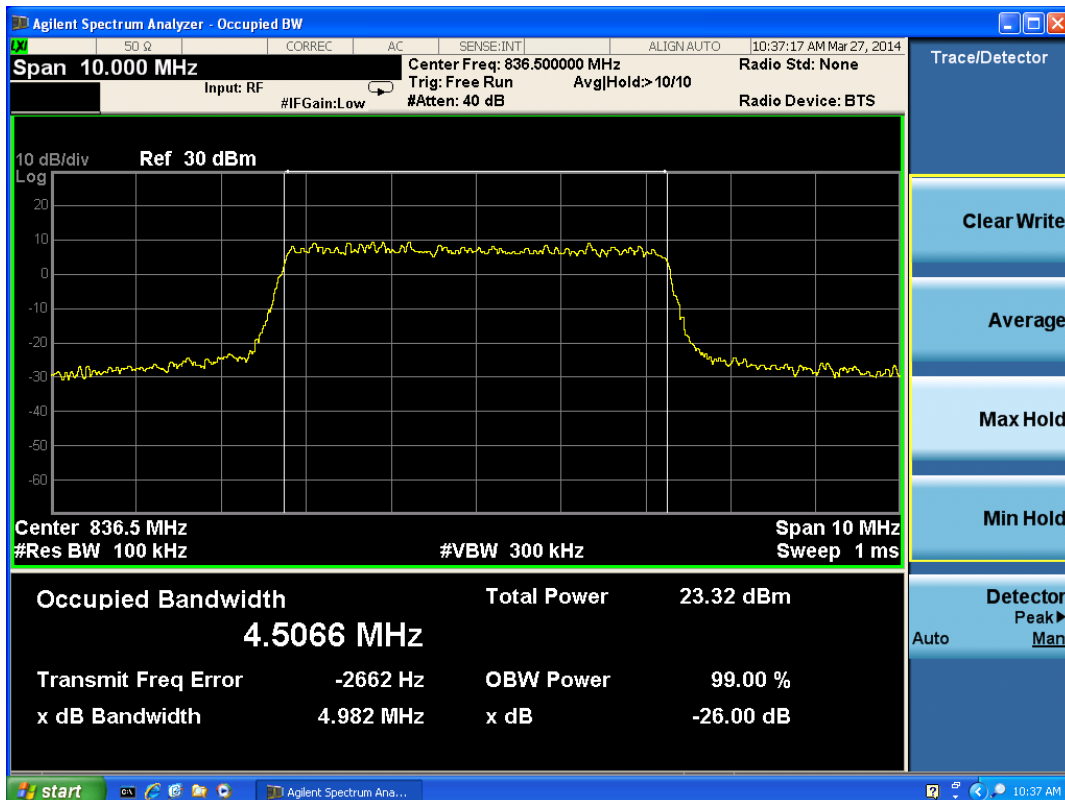


LTE Band 5 QPSK Bandwidth = 3MHz CH20635 Occupied Bandwidth

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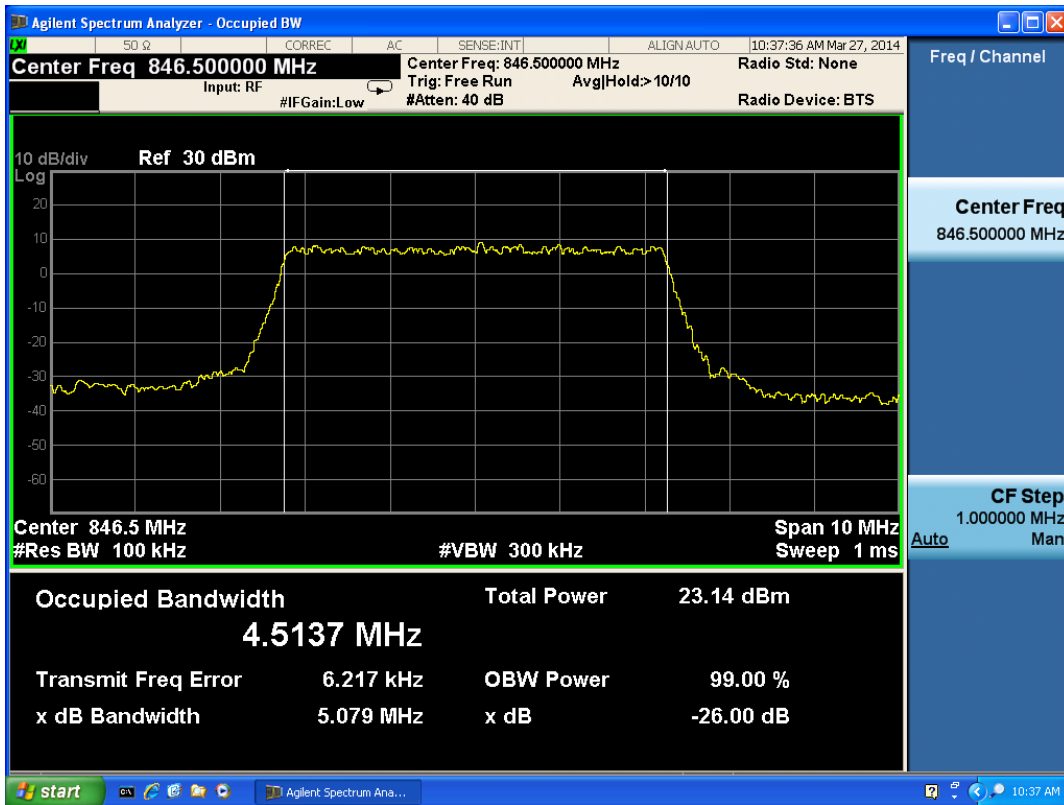


LTE Band 5 QPSK Bandwidth = 5MHz CH20425 Occupied Bandwidth

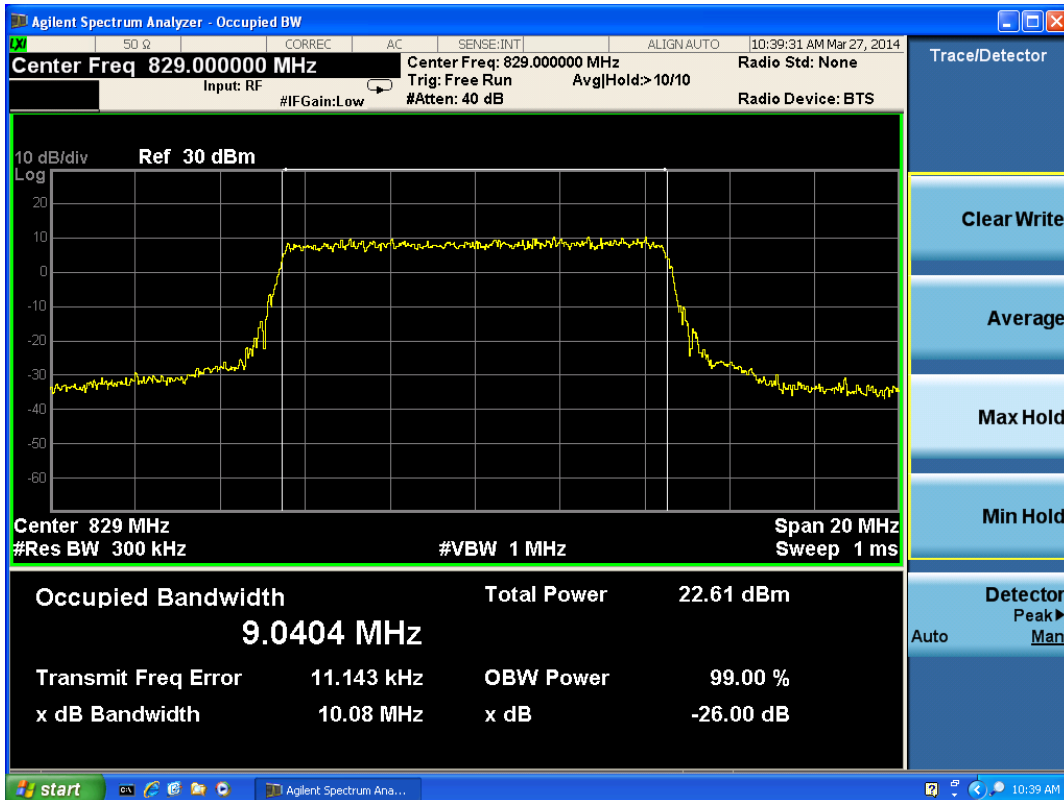


LTE Band 5 QPSK Bandwidth = 5MHz CH20525 Occupied Bandwidth

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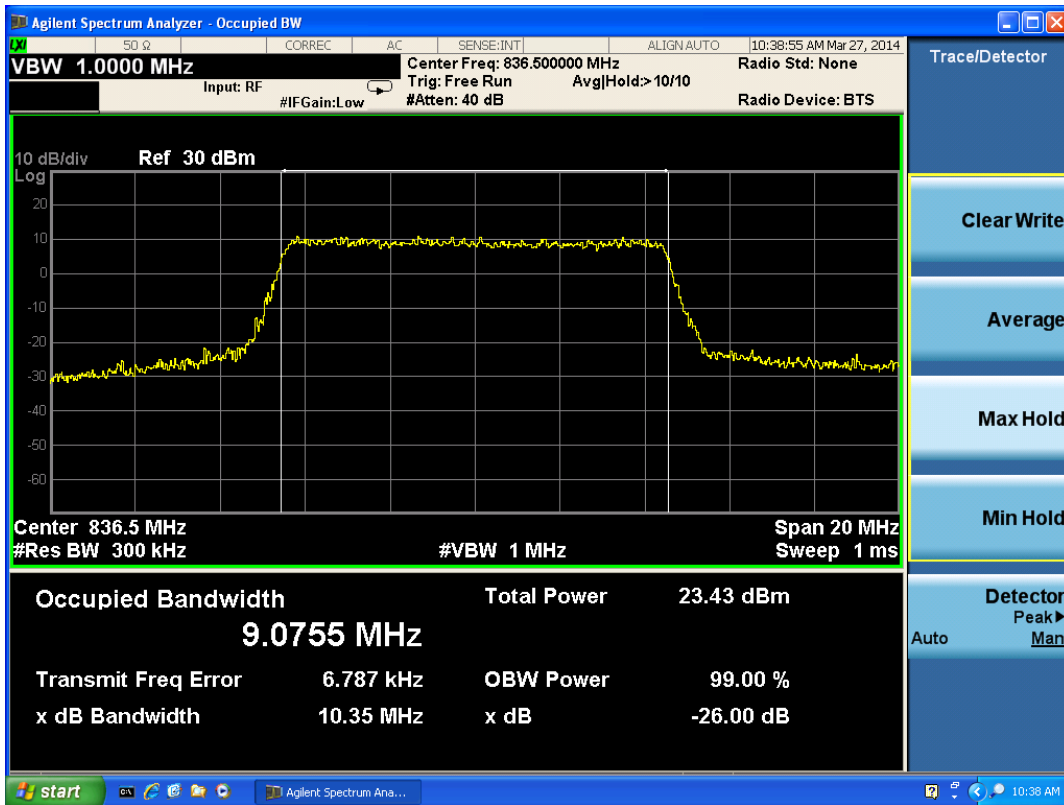


LTE Band 5 QPSK Bandwidth = 5MHz CH20625 Occupied Bandwidth

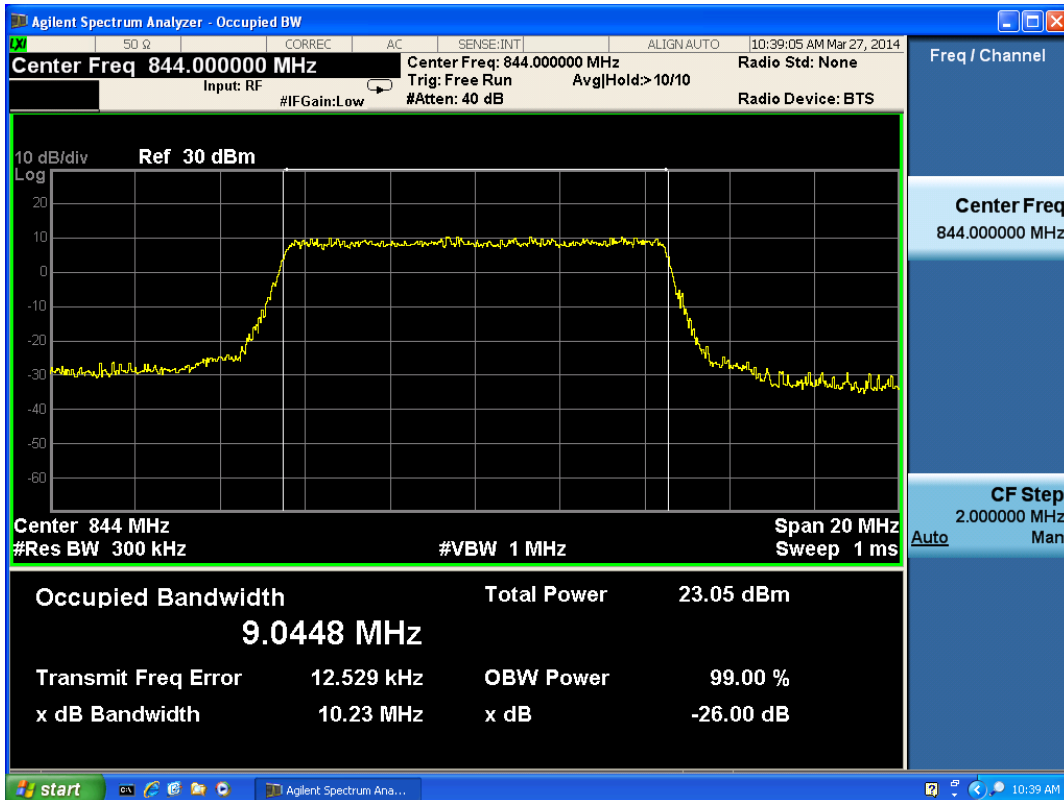


LTE Band 5 QPSK Bandwidth = 10MHz CH20450 Occupied Bandwidth

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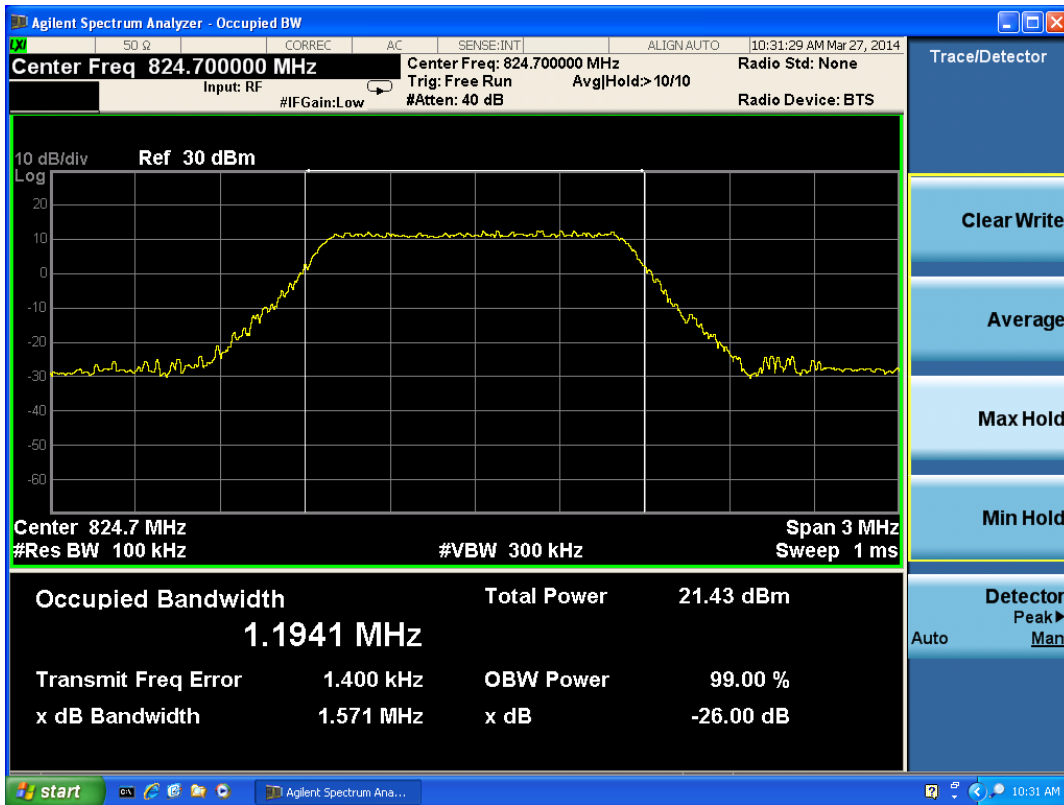


LTE Band 5 QPSK Bandwidth = 10MHz CH20525 Occupied Bandwidth

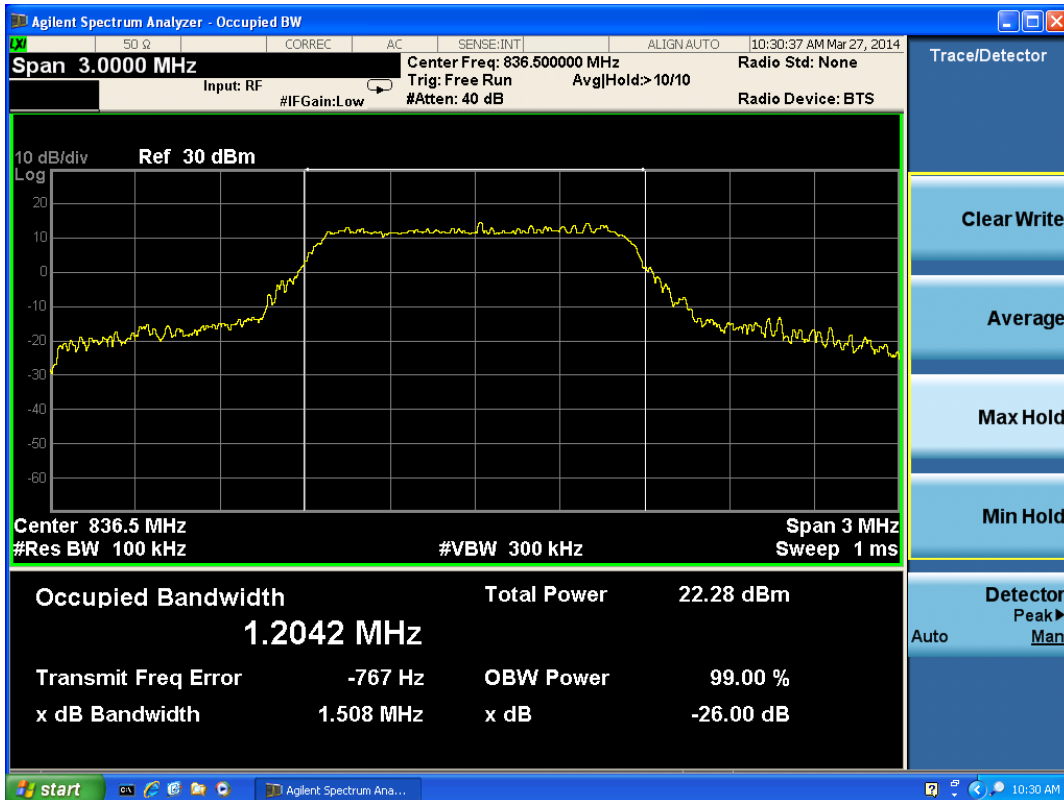


LTE Band 5 QPSK Bandwidth = 10MHz CH20600 Occupied Bandwidth

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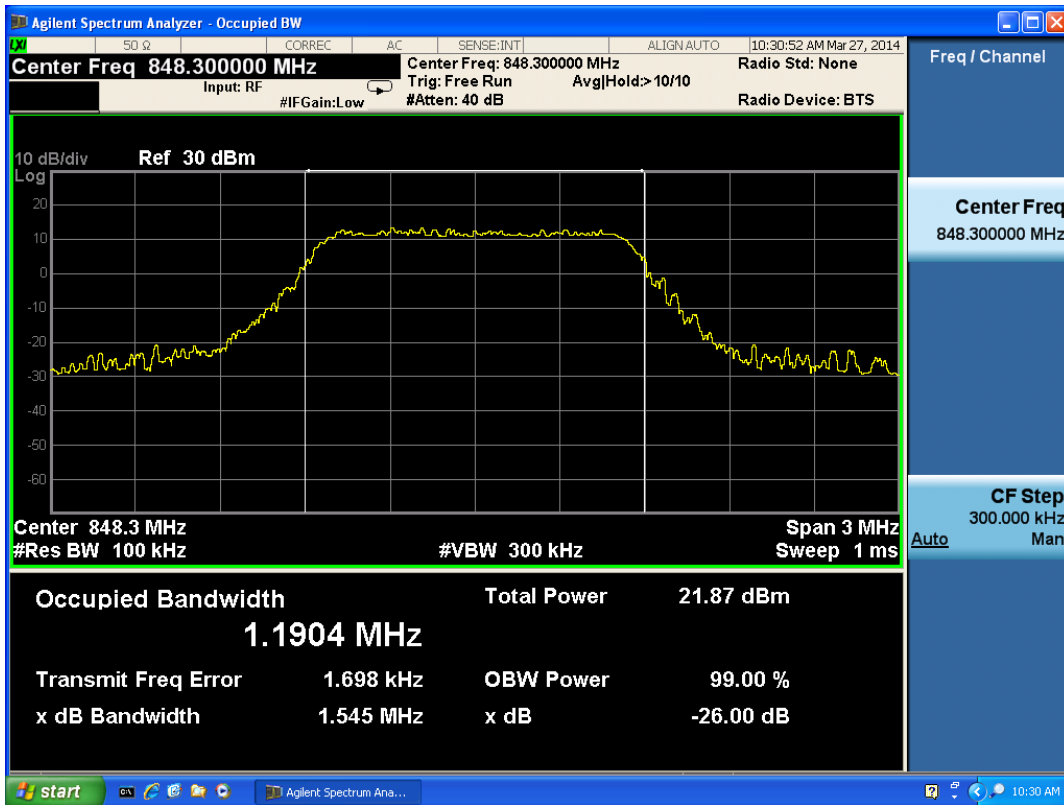


LTE Band 5 16QAM Bandwidth = 1.4MHz CH20407 Occupied Bandwidth

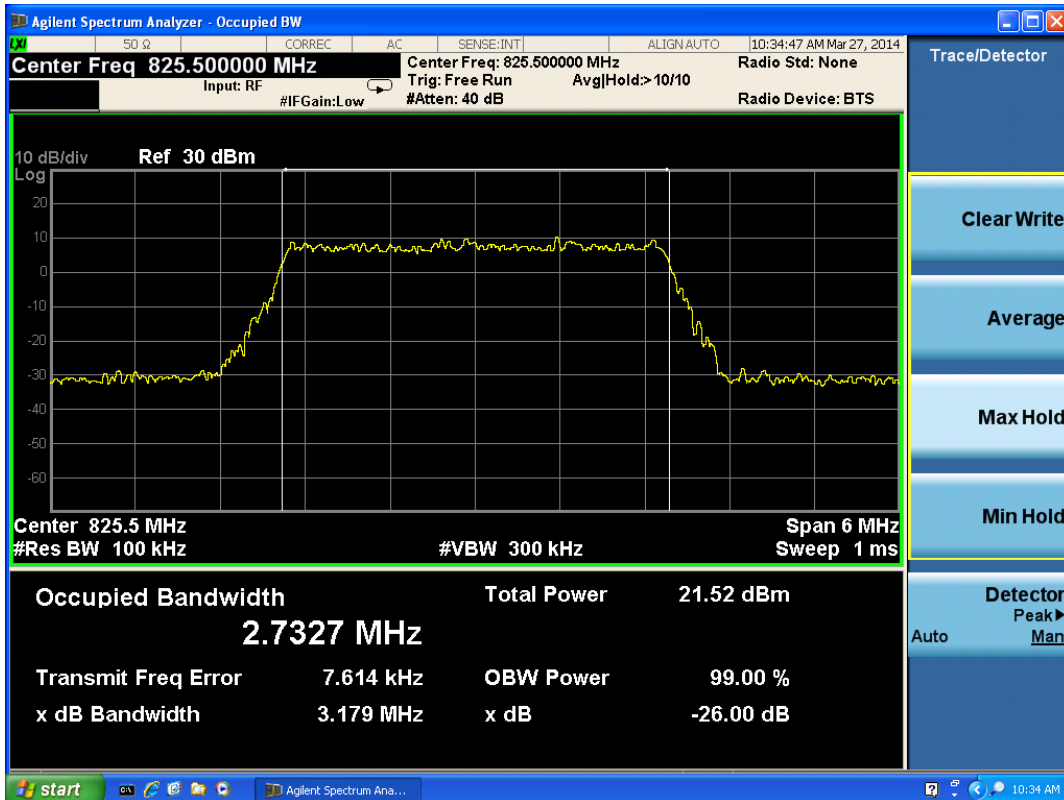


LTE Band 5 16QAM Bandwidth = 1.4MHz CH20525 Occupied Bandwidth

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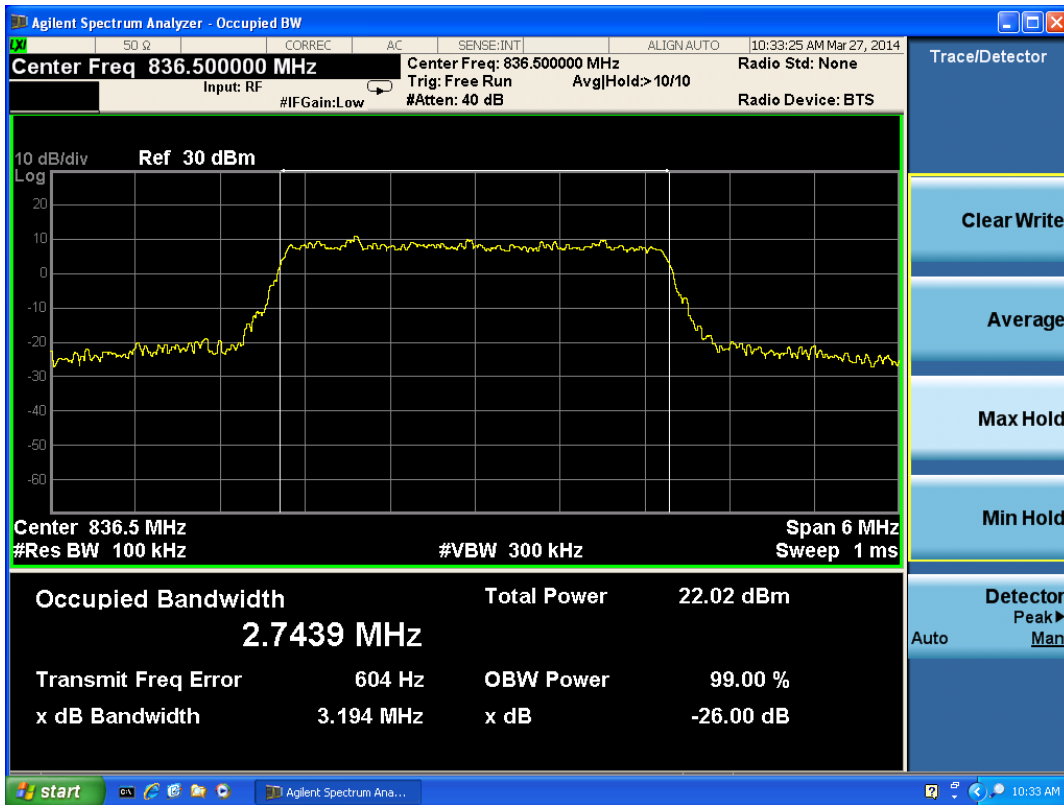


LTE Band 5 16QAM Bandwidth = 1.4MHz CH20643 Occupied Bandwidth

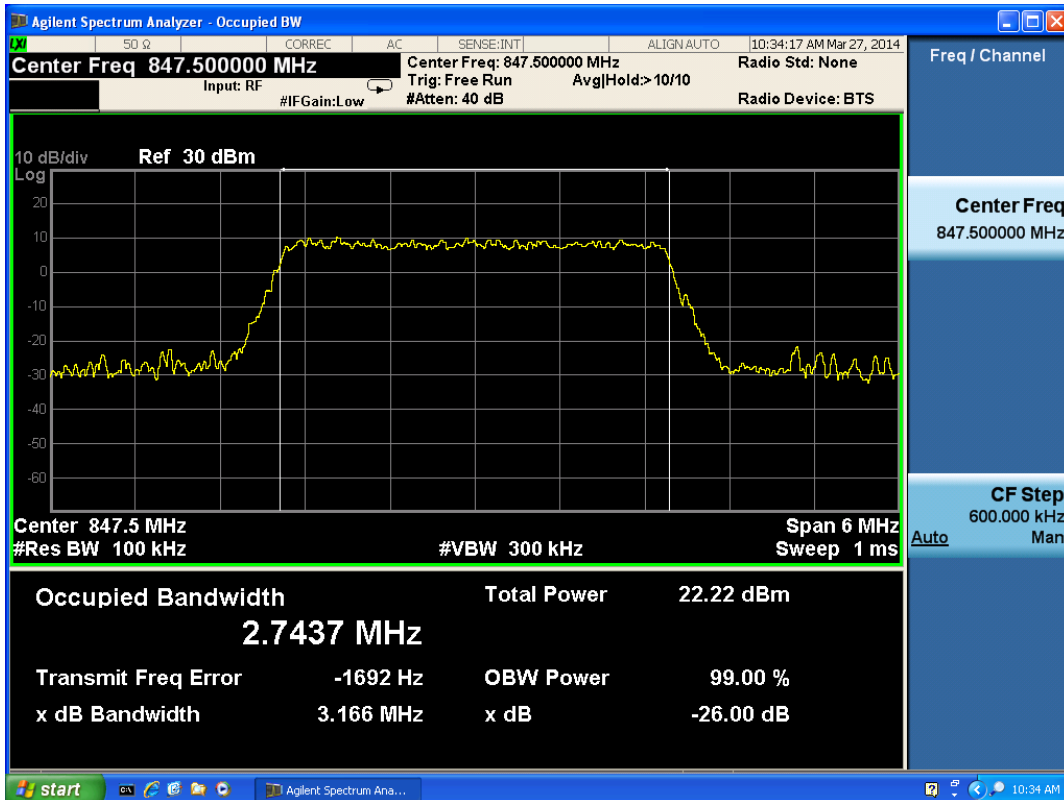


LTE Band 5 16QAM Bandwidth = 3MHz CH20415 Occupied Bandwidth

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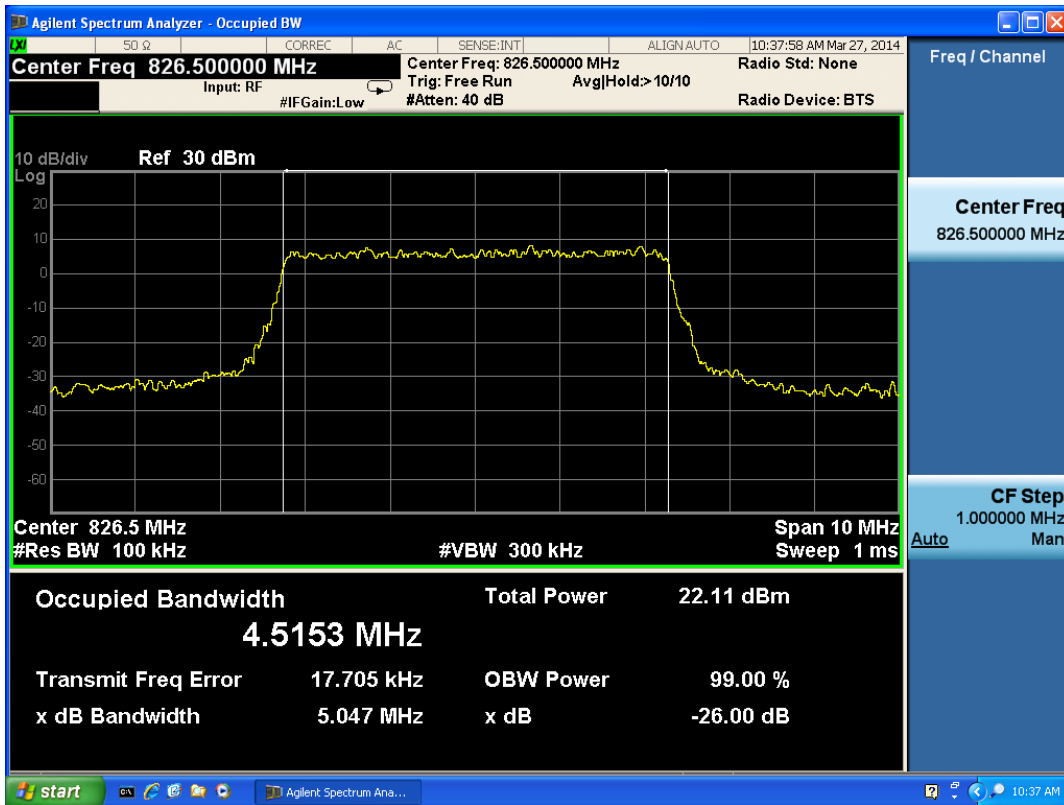


LTE Band 5 16QAM Bandwidth = 3MHz CH20525 Occupied Bandwidth

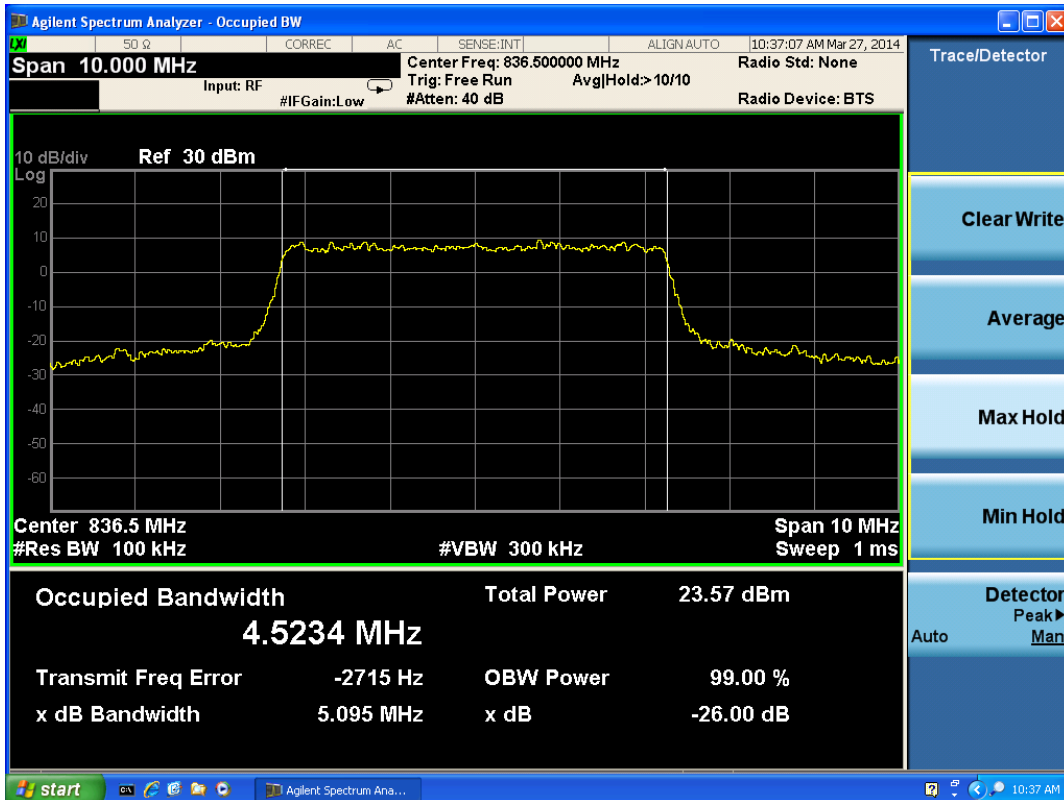


LTE Band 5 16QAM Bandwidth = 3MHz CH20635 Occupied Bandwidth

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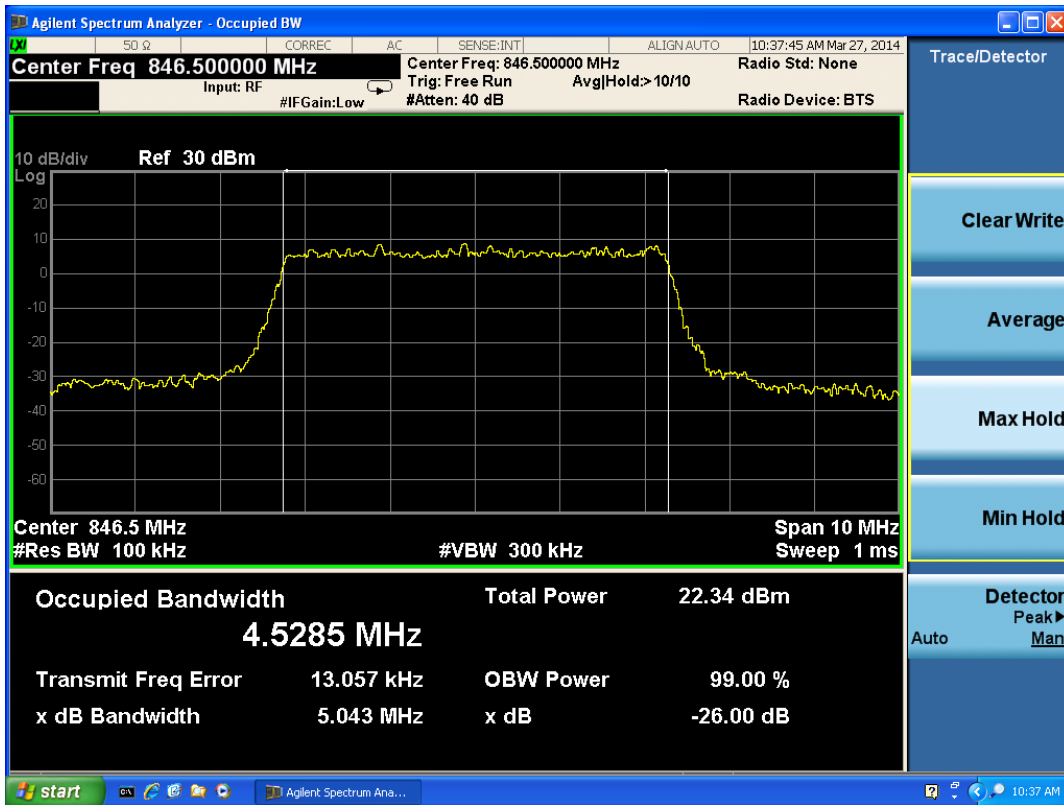


LTE Band 5 16QAM Bandwidth = 5MHz CH20425 Occupied Bandwidth

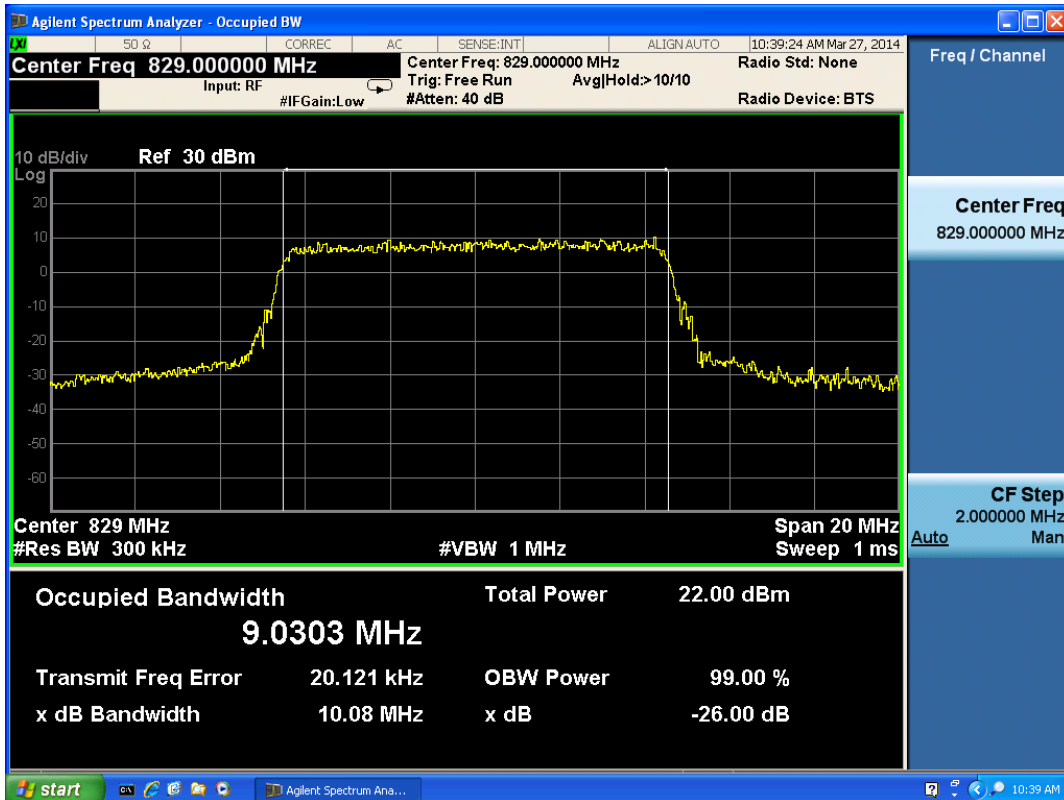


LTE Band 5 16QAM Bandwidth = 5MHz CH20525 Occupied Bandwidth

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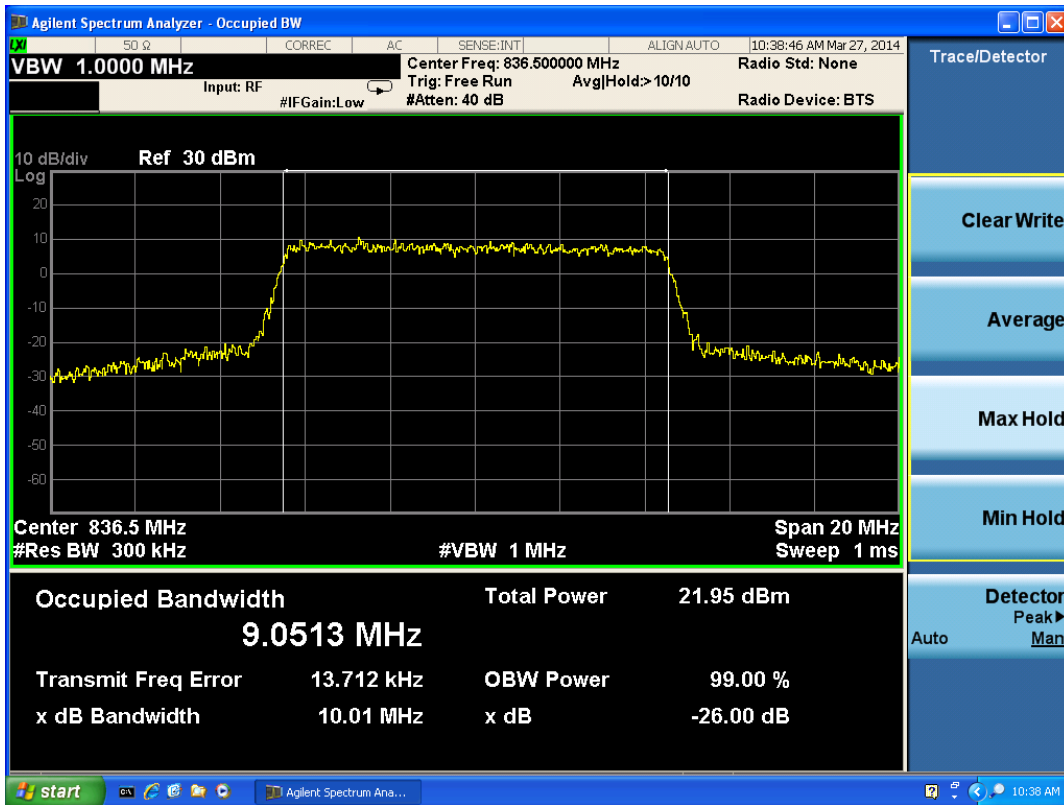


LTE Band 5 16QAM Bandwidth = 5MHz CH20625 Occupied Bandwidth

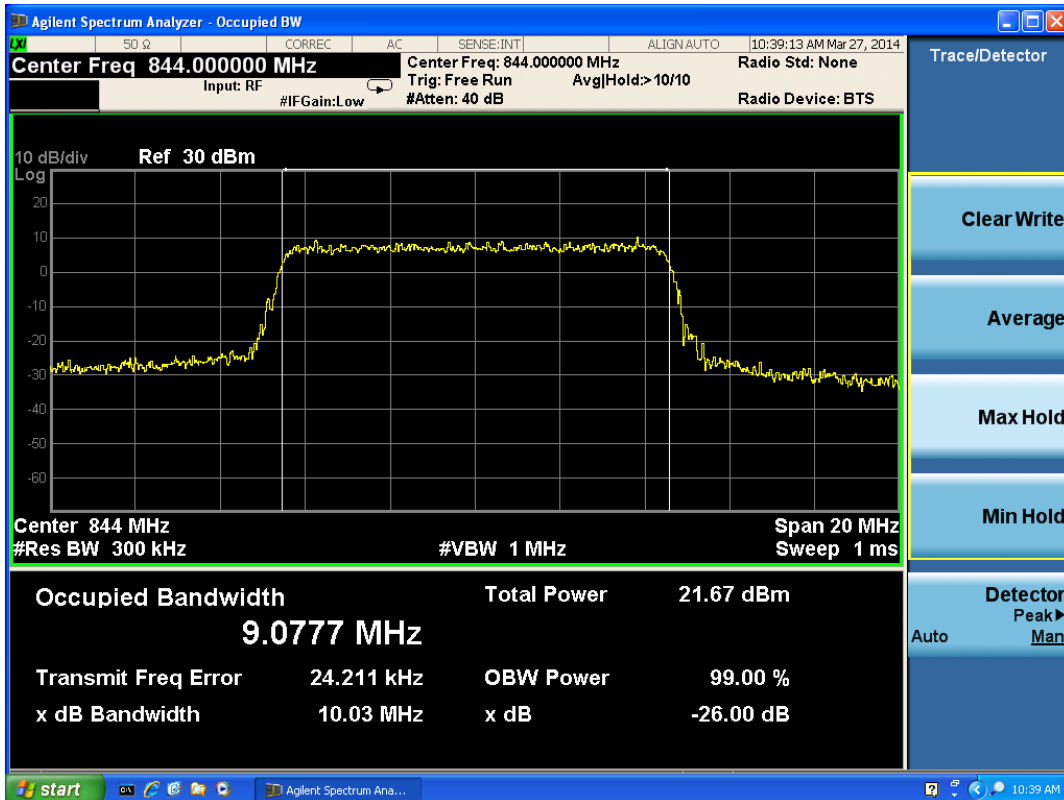


LTE Band 5 16QAM Bandwidth = 10MHz CH20450 Occupied Bandwidth

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LTE Band 5 16QAM Bandwidth = 10MHz CH20525 Occupied Bandwidth



LTE Band 5 16QAM Bandwidth = 10MHz CH20600 Occupied Bandwidth

2.5. Band Edge Compliance

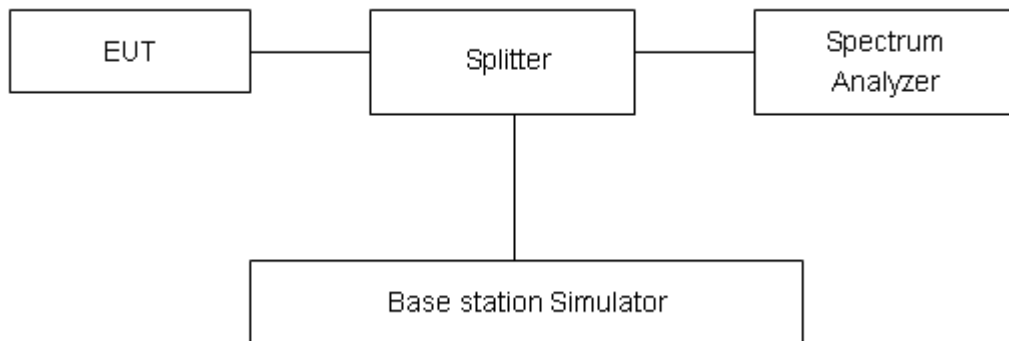
Ambient condition

Temperature	Relative humidity
21°C ~25°C	40%~60%

Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The band edge of the lowest and highest channels were measured. The average detector is used. The RBW is set larger than 1% of 26dB bandwidth. Spectrum analyzer plots are included on the following pages.

Test Setup



Limits

Rule Part 22.917(a) specifies that “The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.”

Limit	-13 dBm
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Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U=0.684$ dB.

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Test Result:

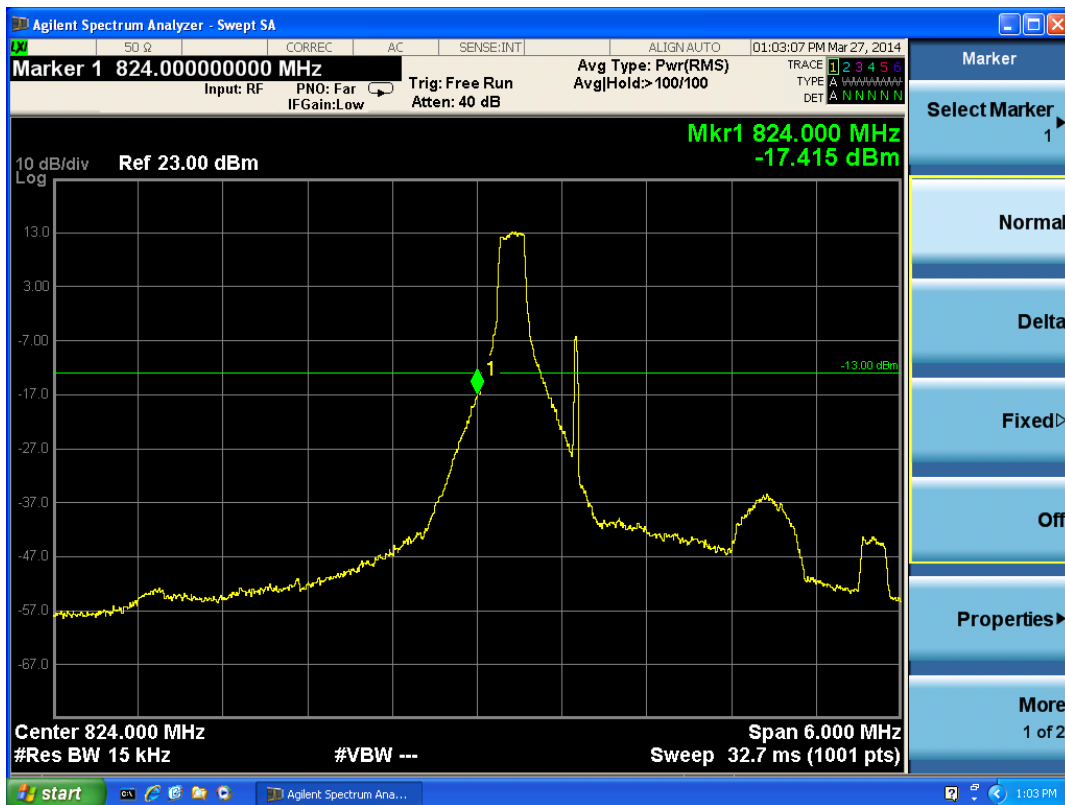
LTE Band 5							
Bandwidth	Modulation	Channel	RB	RB Start	Reference value (dBm)	Limit	Conclusion
1.4MHz	QPSK	CH20407	1	0	-17.415	-13	PASS
			3	0	-21.112	-13	PASS
			6	0	-25.436	-13	PASS
		CH20643	1	5	-16.662	-13	PASS
			3	3	-20.964	-13	PASS
			6	0	-26.226	-13	PASS
	16QAM	CH20407	1	0	-17.328	-13	PASS
			3	0	-21.346	-13	PASS
			6	0	-24.889	-13	PASS
		CH20643	1	5	-16.571	-13	PASS
			3	3	-21.701	-13	PASS
			6	0	-25.869	-13	PASS
3MHz	QPSK	CH20415	1	0	-13.130	-13	PASS
			8	0	-21.618	-13	PASS
			15	0	-24.802	-13	PASS
		CH20635	1	14	-13.634	-13	PASS
			8	7	-21.183	-13	PASS
			15	0	-23.766	-13	PASS
	16QAM	CH20415	1	0	-13.169	-13	PASS
			8	0	-22.254	-13	PASS
			15	0	-24.195	-13	PASS
		CH20635	1	14	-13.143	-13	PASS
			8	7	-21.396	-13	PASS
			15	0	-24.961	-13	PASS
5MHz	QPSK	CH20425	1	0	-15.535	-13	PASS
			12	0	-25.993	-13	PASS
			25	0	-28.017	-13	PASS
		CH20625	1	24	-14.592	-13	PASS
			12	13	-26.181	-13	PASS
			25	0	-27.046	-13	PASS
	16QAM	CH20425	1	0	-14.188	-13	PASS

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		CH20625	12	0	-26.211	-13	PASS		
			25	0	-29.574	-13	PASS		
			1	24	-18.151	-13	PASS		
			12	13	-25.265	-13	PASS		
			25	0	-27.255	-13	PASS		
		10MHz	QPSK	CH20450	1	0	-15.922	-13	PASS
					25	0	-26.363	-13	PASS
					50	0	-30.781	-13	PASS
				CH20600	1	49	-15.676	-13	PASS
					25	25	-27.949	-13	PASS
50	0				-29.099	-13	PASS		
16QAM	CH20450		1	0	-16.618	-13	PASS		
			25	0	-26.214	-13	PASS		
			50	0	-31.014	-13	PASS		
	CH20600	1	49	-16.601	-13	PASS			
		25	25	-28.178	-13	PASS			
		50	0	-28.400	-13	PASS			

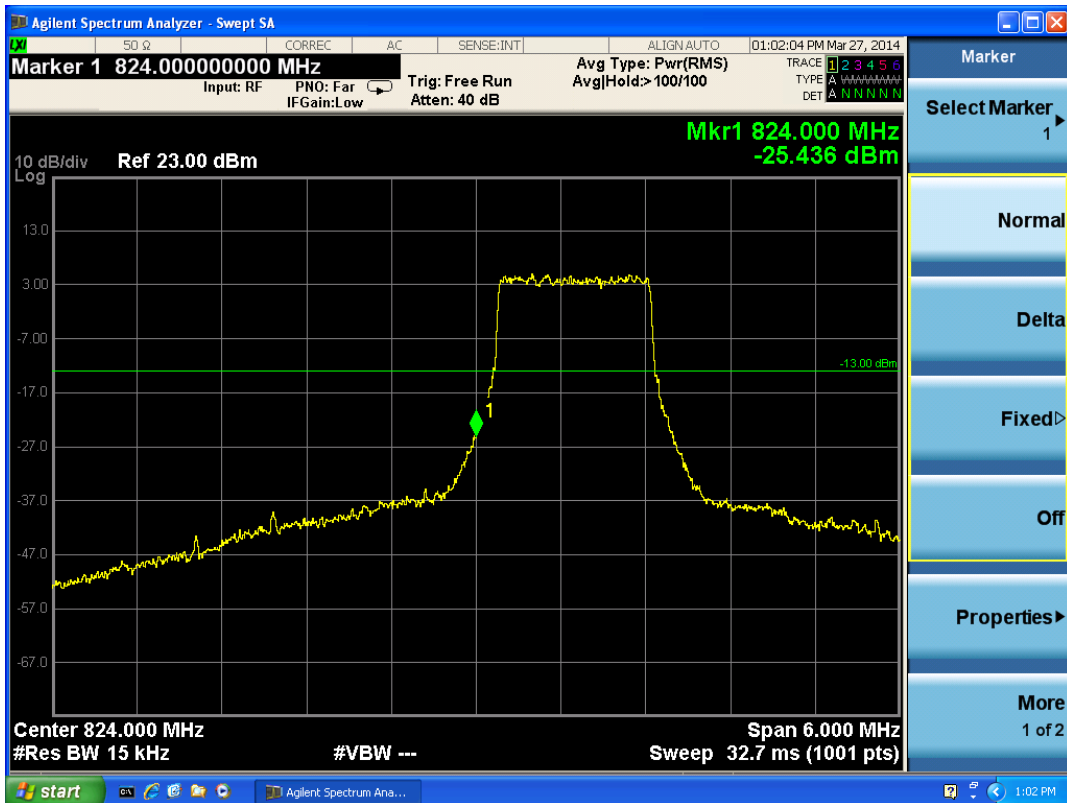


LTE Band 5 QPSK Bandwidth = 1.4MHz CH20407, RB 1

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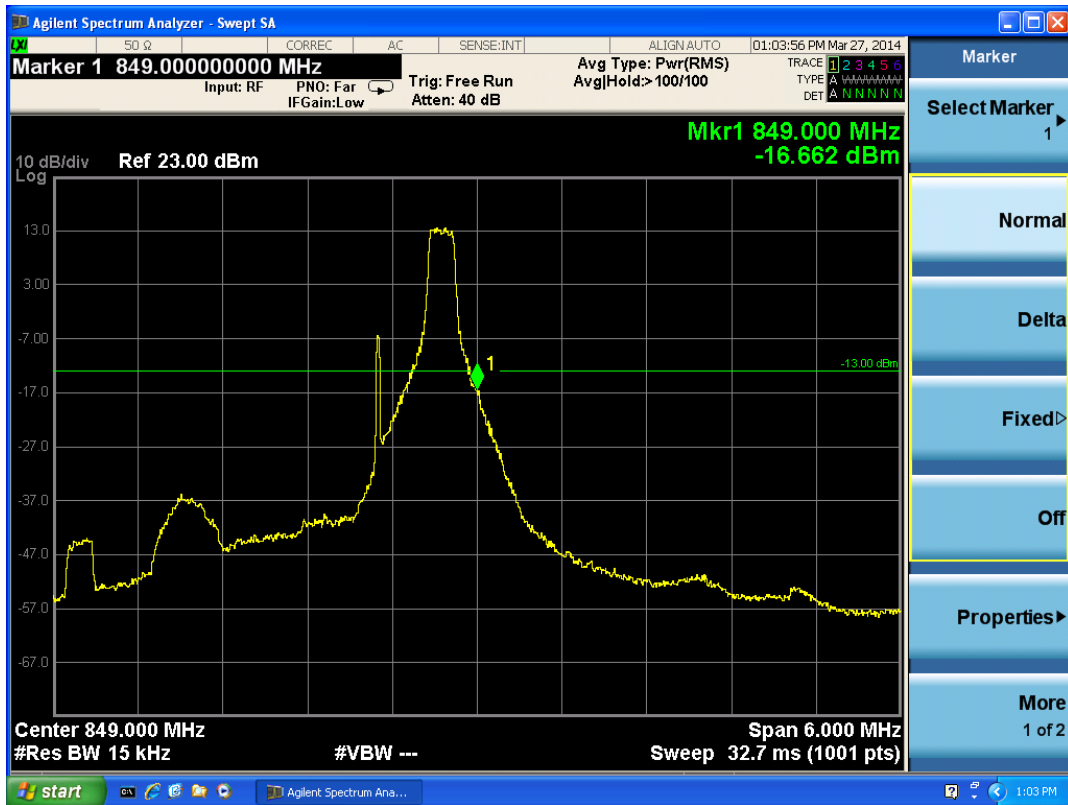


LTE Band 5 QPSK Bandwidth = 1.4MHz CH20407, RB 3



LTE Band 5 QPSK Bandwidth = 1.4MHz CH20407, RB 6

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LTE Band 5 QPSK Bandwidth = 1.4MHz CH20643,RB 1

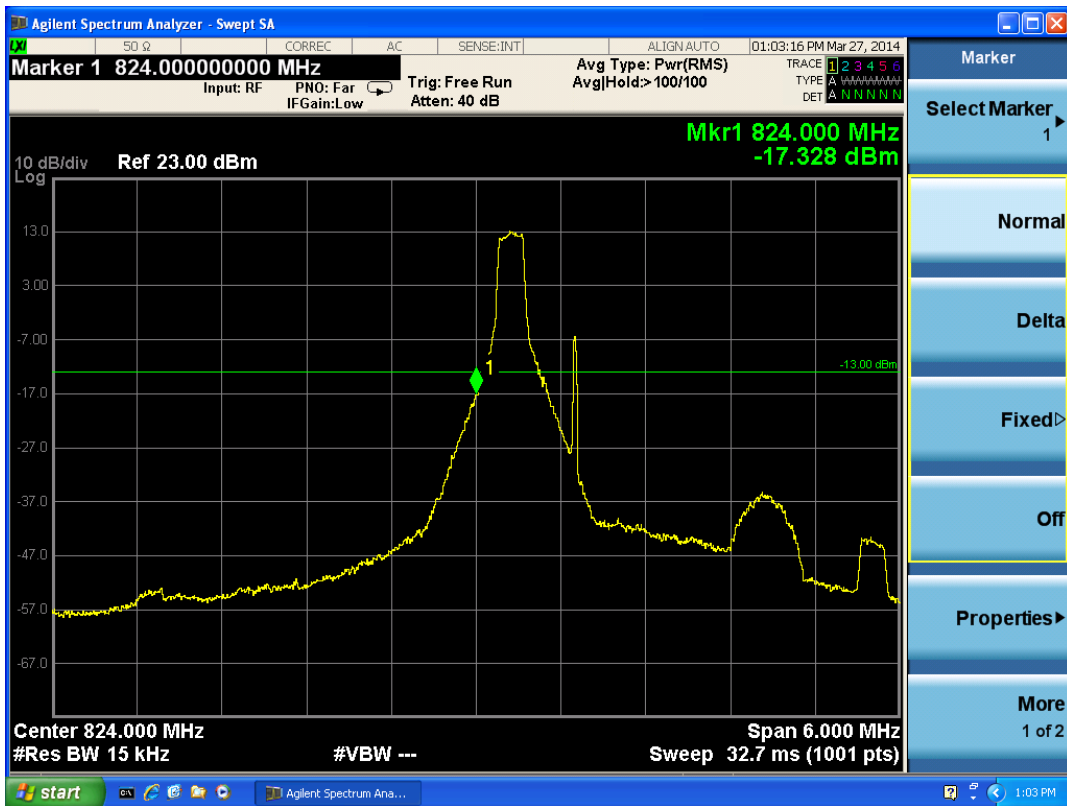


LTE Band 5 QPSK Bandwidth = 1.4MHz CH20643,RB 3

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LTE Band 5 QPSK Bandwidth = 1.4MHz CH20643, RB 6

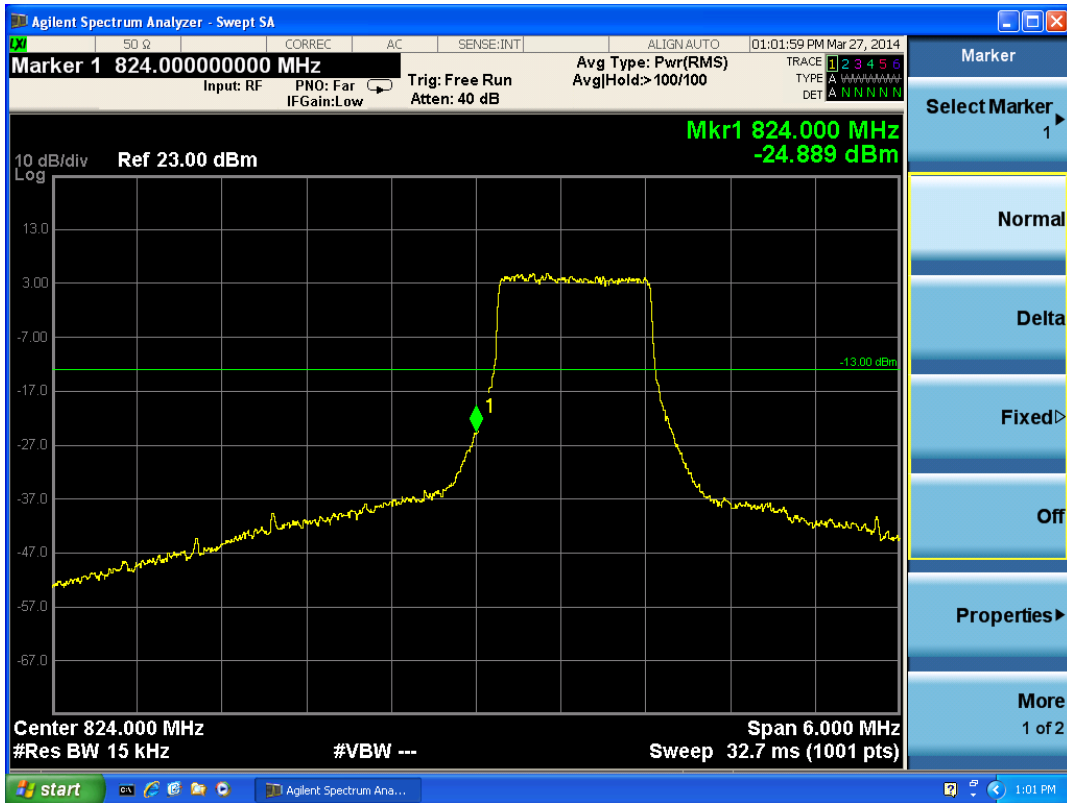


LTE Band 5 16QAM Bandwidth = 1.4MHz CH20407, RB 1

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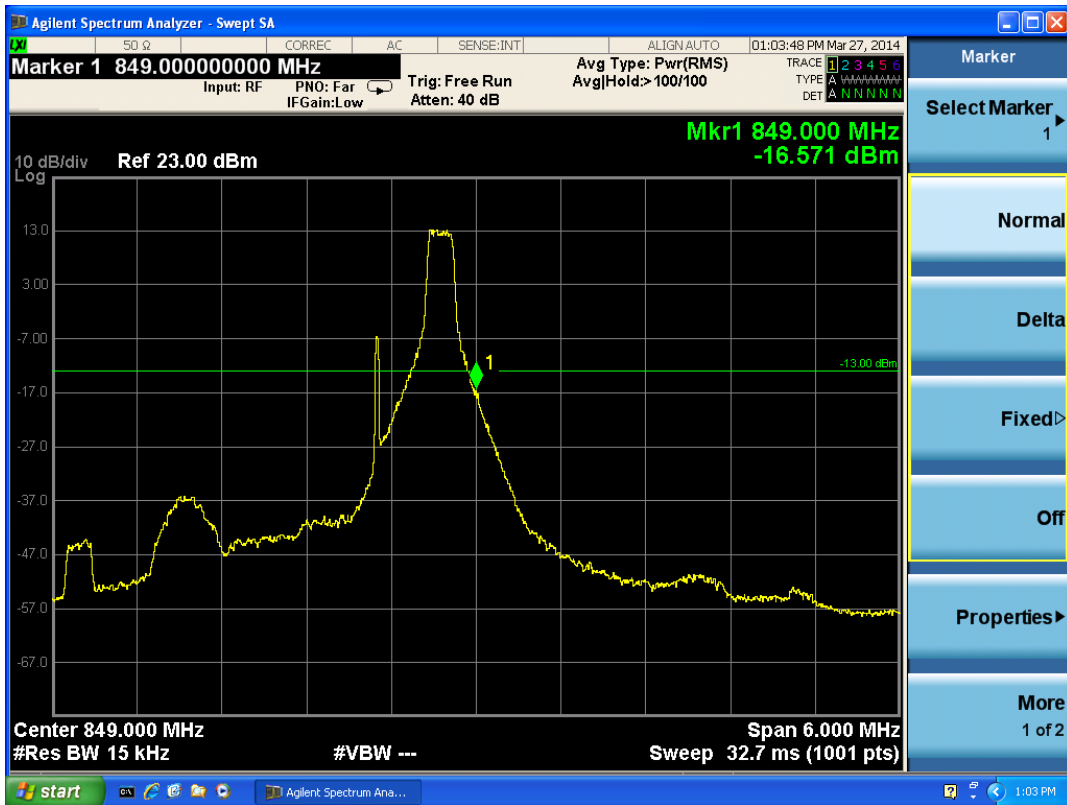


LTE Band 5 16QAM Bandwidth = 1.4MHz CH20407, RB 3



LTE Band 5 16QAM Bandwidth = 1.4MHz CH20407, RB 6

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LTE Band 5 16QAM Bandwidth = 1.4MHz CH20643, RB 1



LTE Band 5 16QAM Bandwidth = 1.4MHz CH20643, RB 3

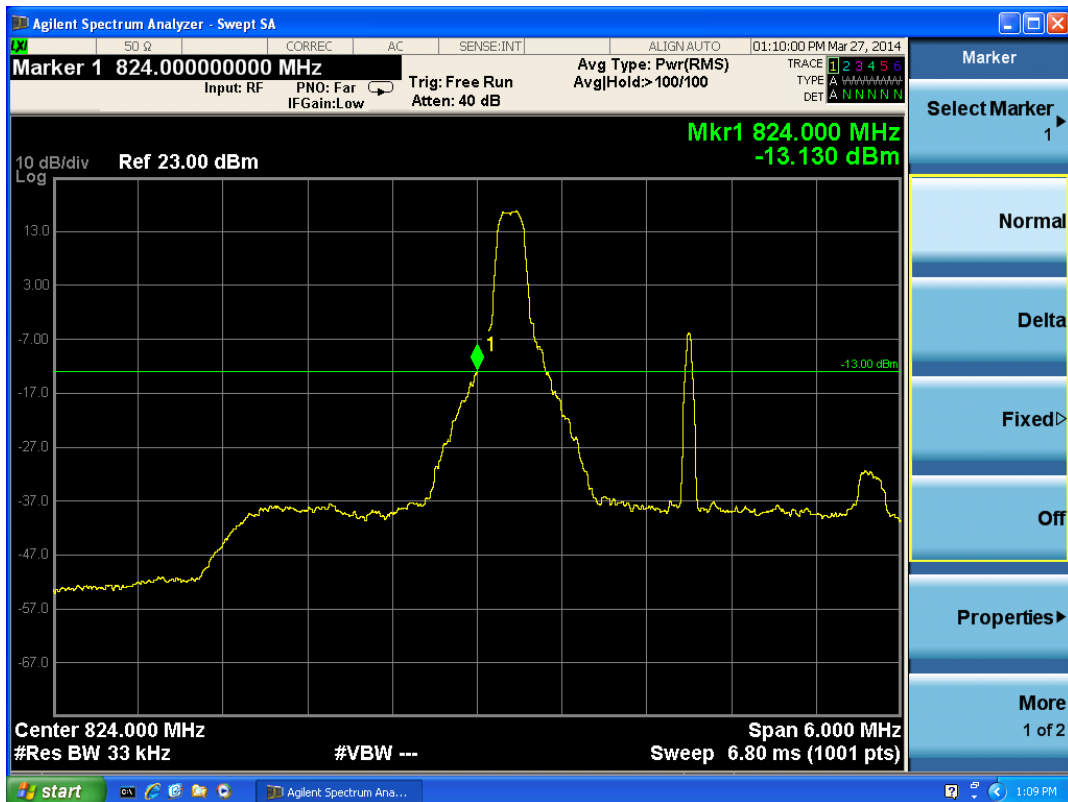
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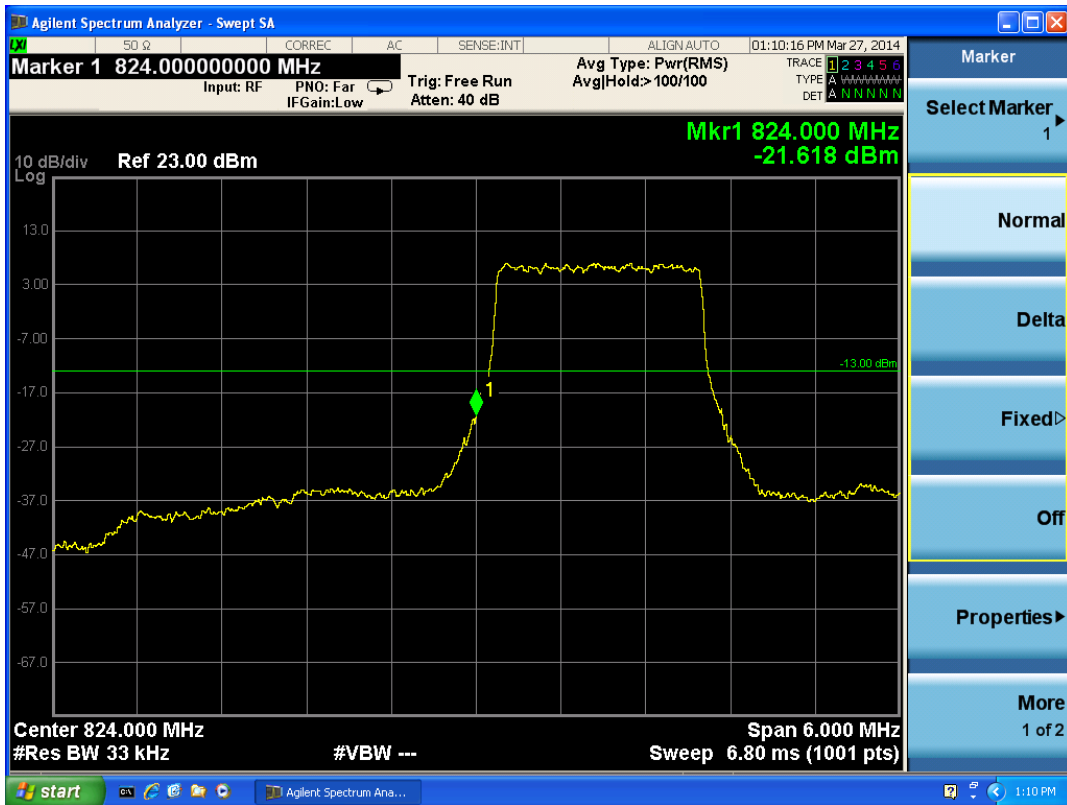


LTE Band 5 16QAM Bandwidth = 1.4MHz CH20643, RB 6

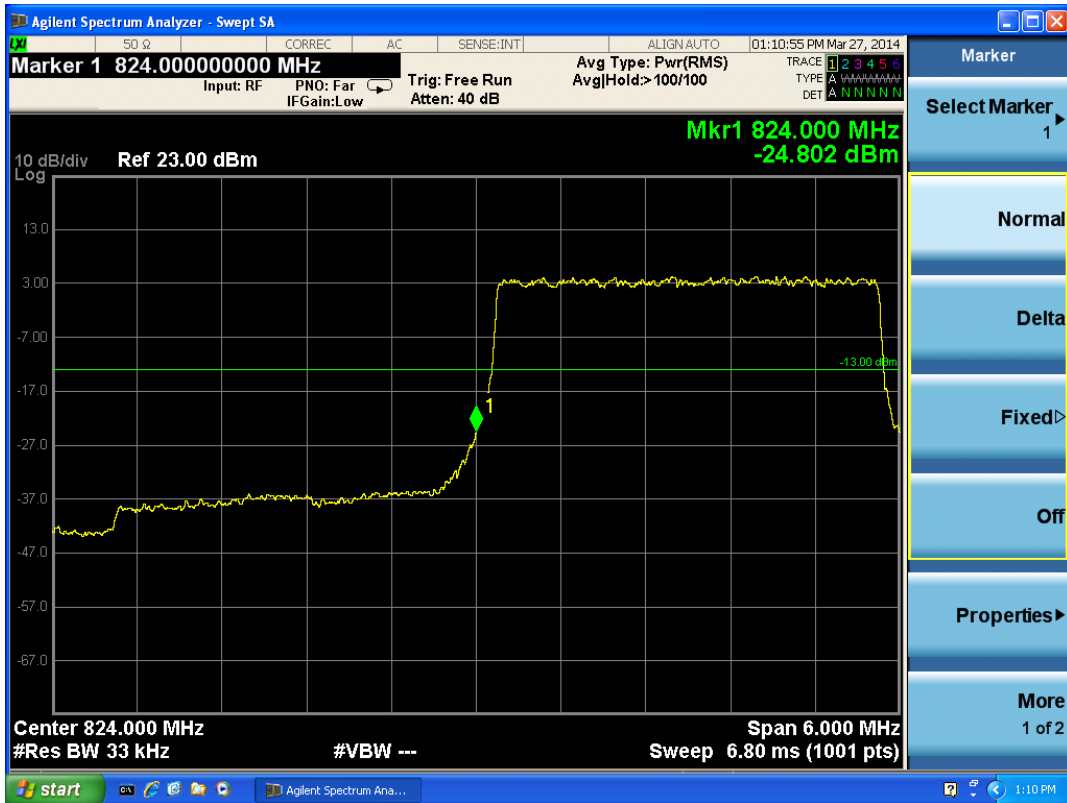


LTE Band 5 QPSK Bandwidth = 3MHz CH20415, RB 1

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LTE Band 5 QPSK Bandwidth = 3MHz CH20415, RB 8

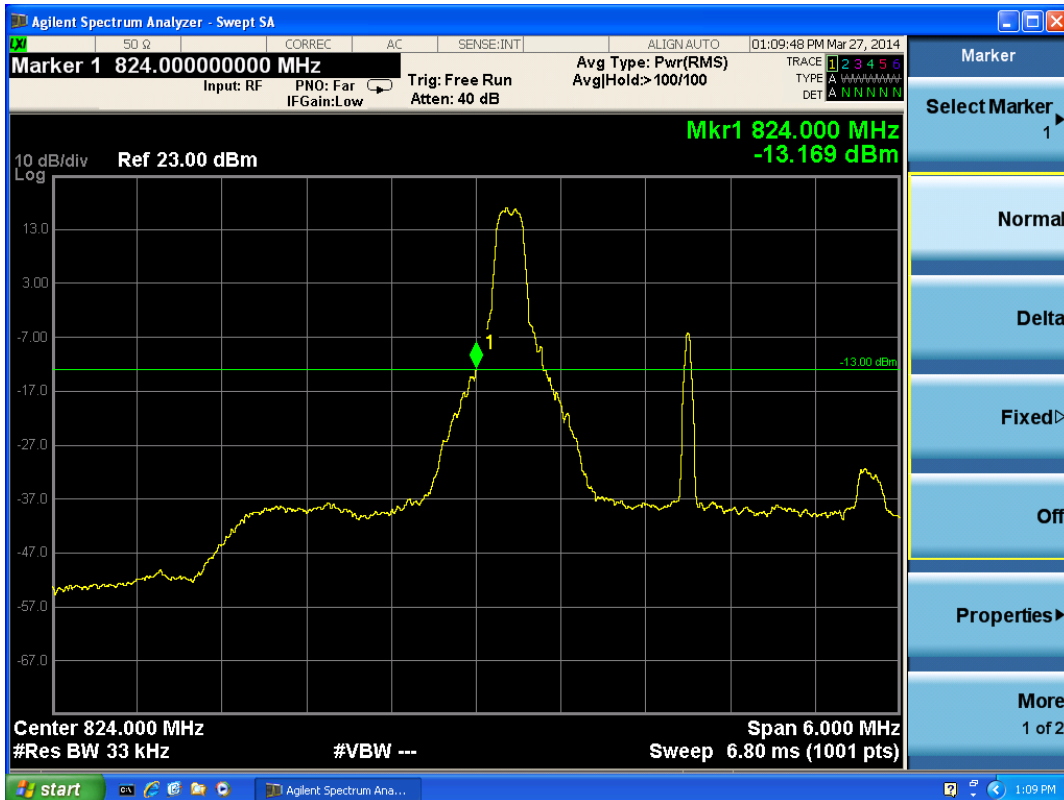


LTE Band 5 QPSK Bandwidth = 3MHz CH20415, RB 15

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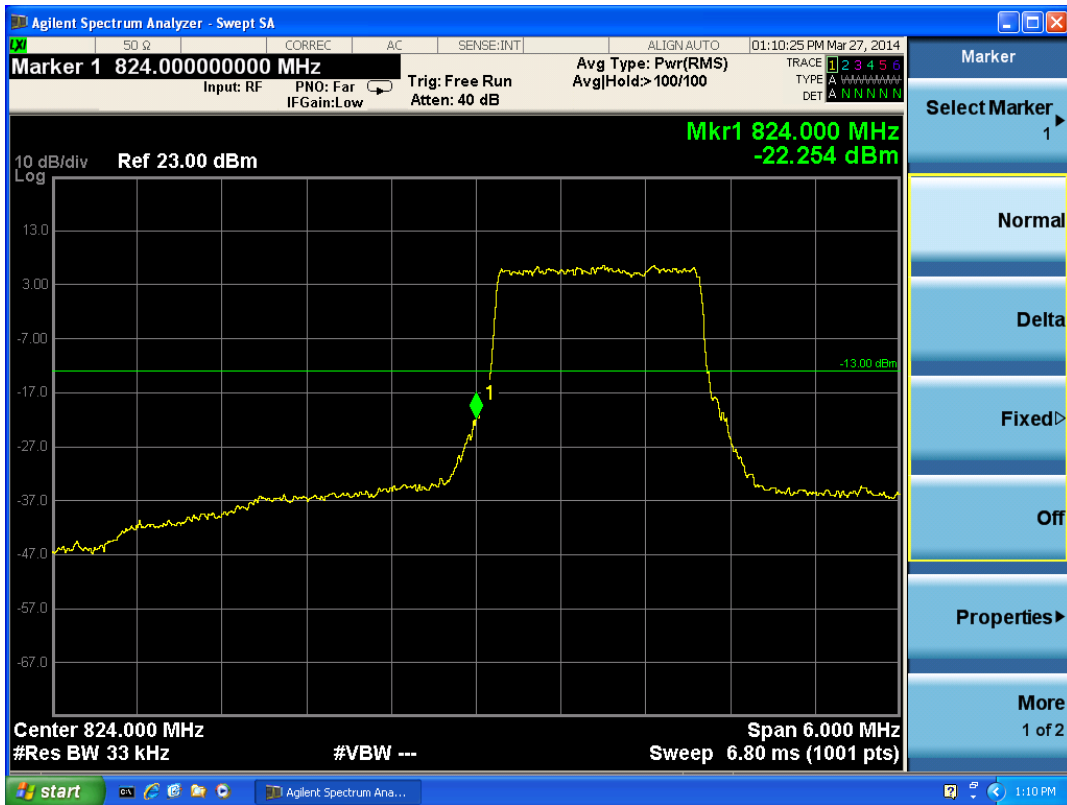


LTE Band 5 QPSK Bandwidth = 3MHz CH20635, RB 15

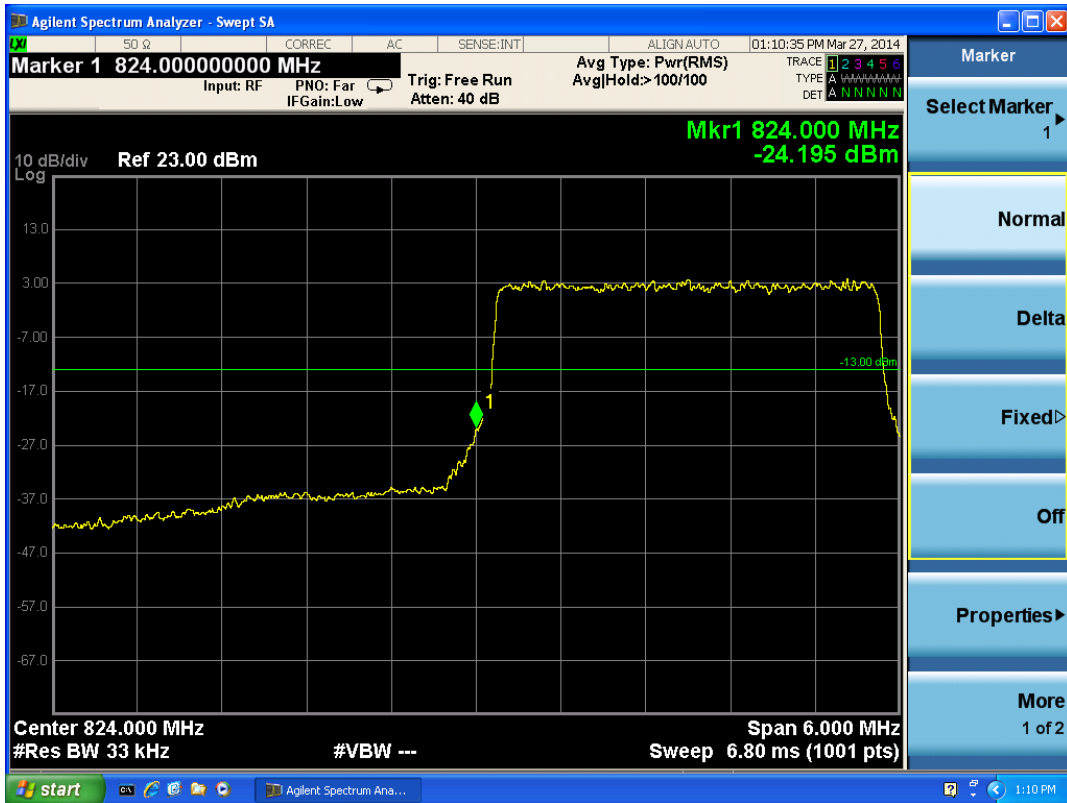


LTE Band 5 16QAM Bandwidth = 3MHz CH20415, RB 1

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LTE Band 5 16QAM Bandwidth = 3MHz CH20415, RB 8

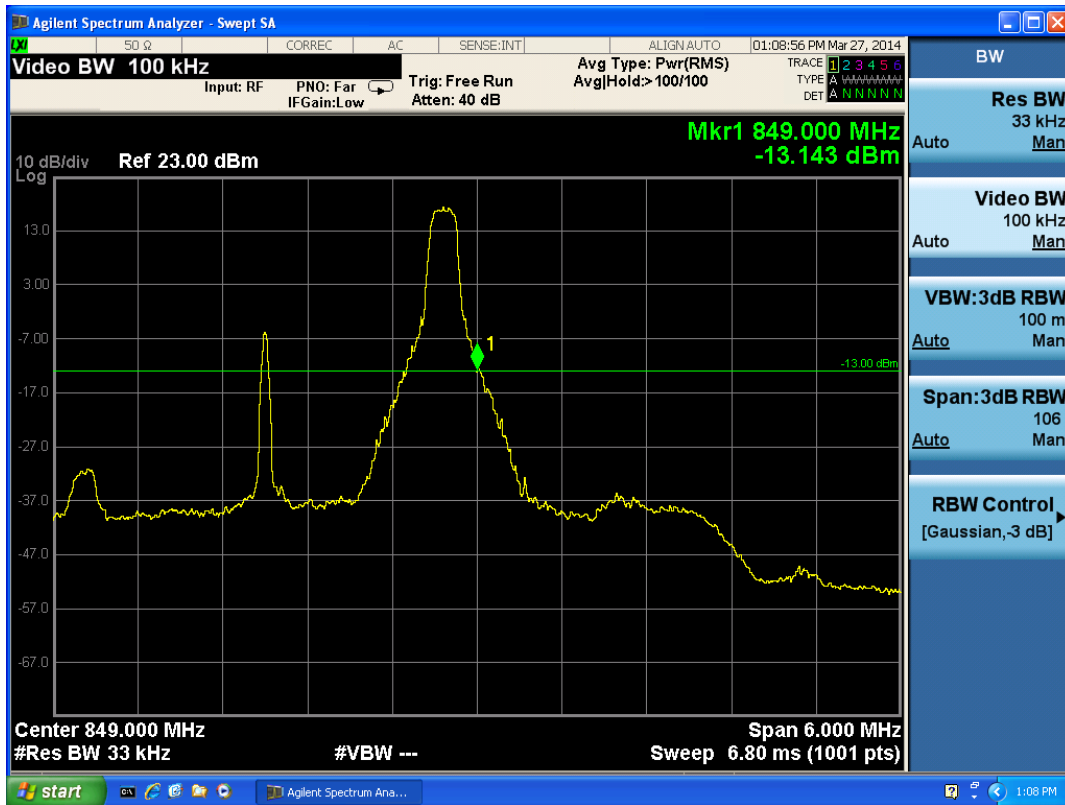


LTE Band 5 16QAM Bandwidth = 3MHz CH20415, RB 15

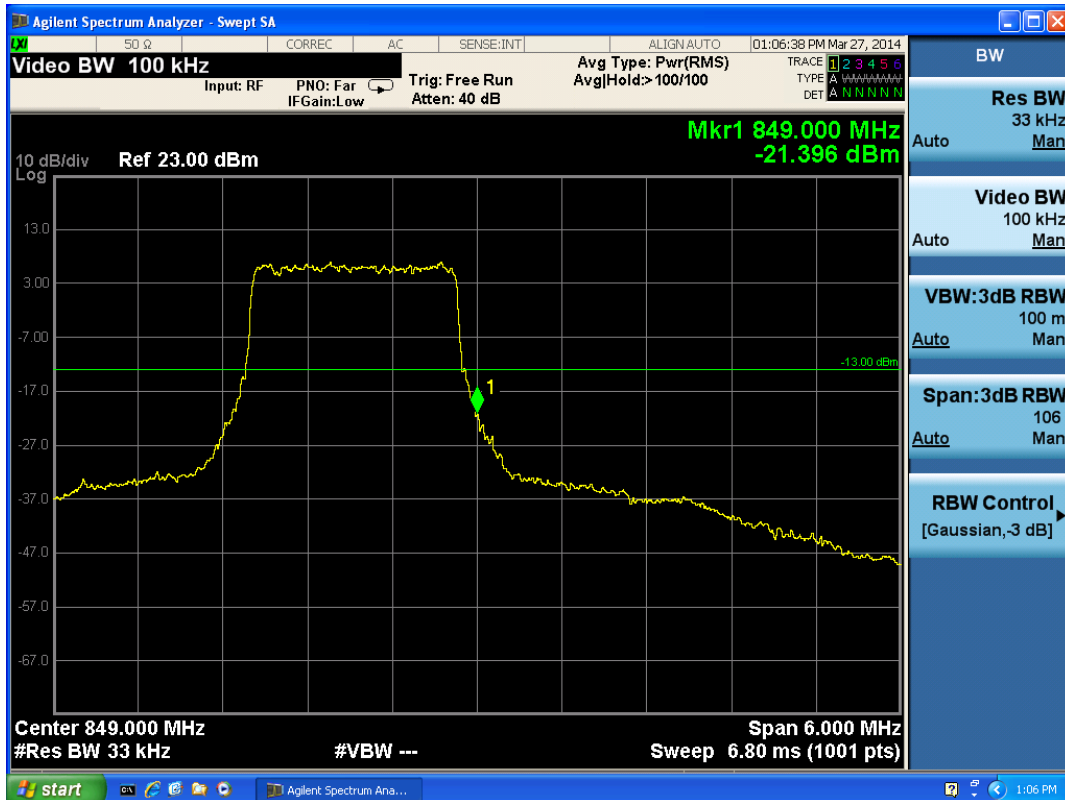
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LTE Band 5 16QAM Bandwidth = 3MHz CH20635, RB 1

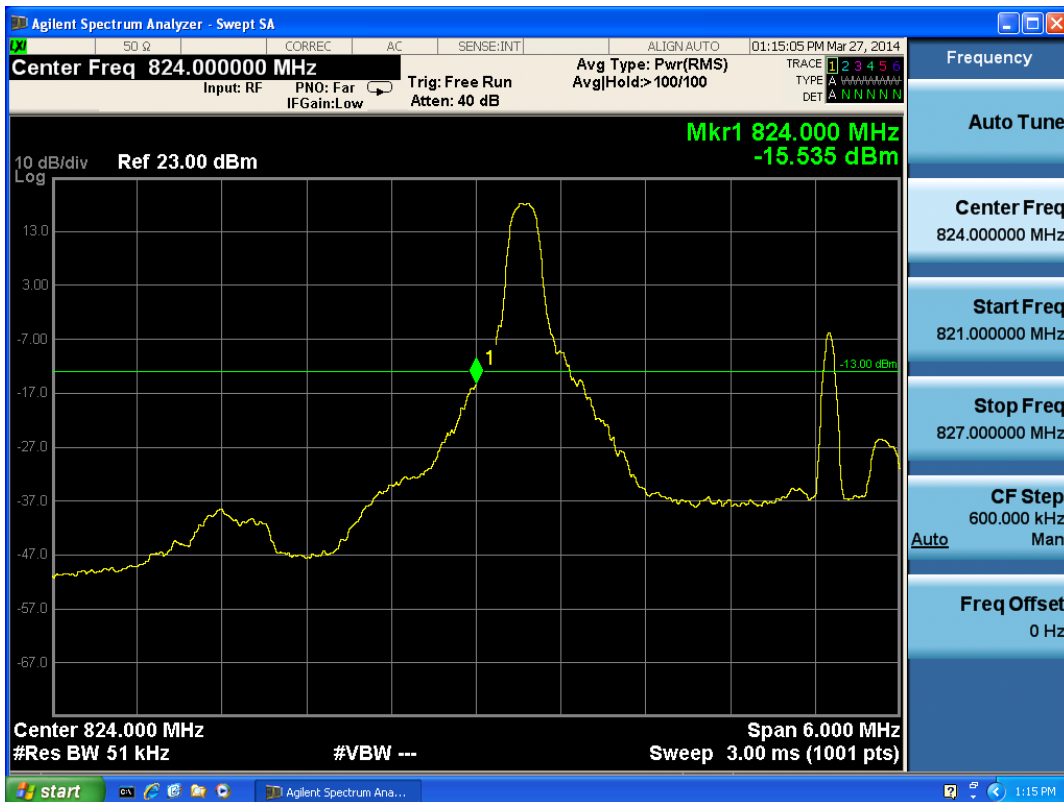


LTE Band 5 16QAM Bandwidth = 3MHz CH20635, RB 8

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LTE Band 5 16QAM Bandwidth = 3MHz CH20635, RB 15

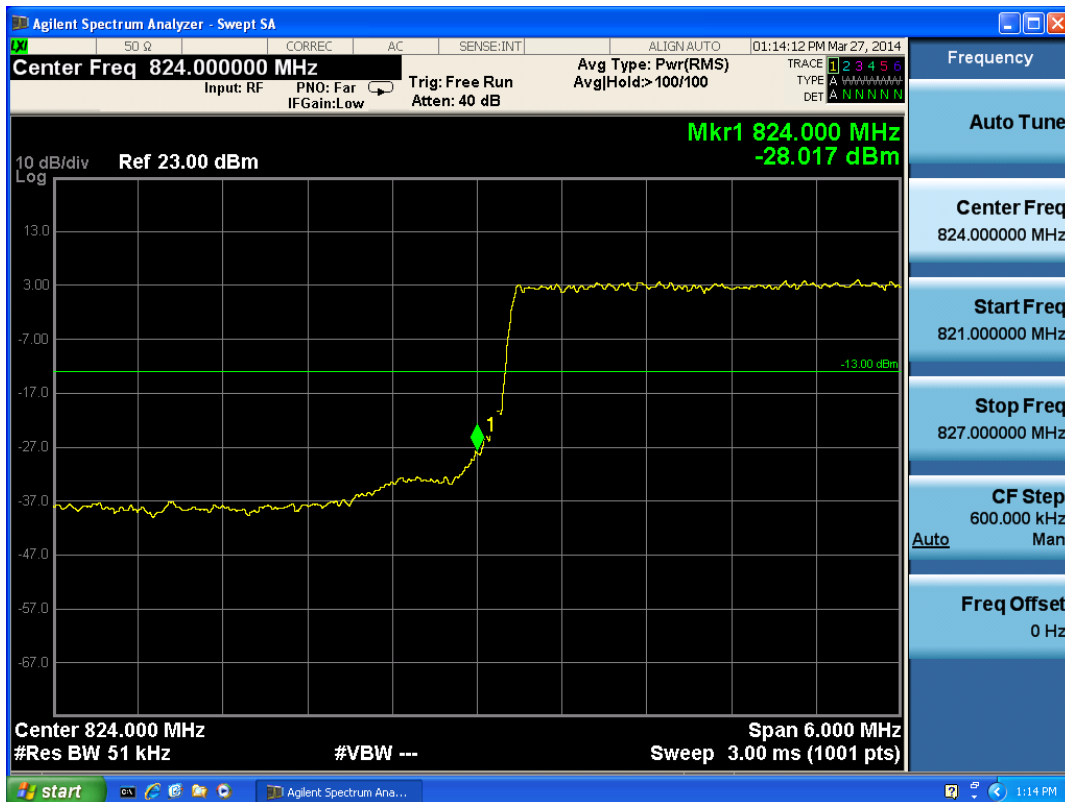


LTE Band 5 QPSK Bandwidth = 5MHz CH20425, RB 1

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LTE Band 5 QPSK Bandwidth = 5MHz CH20425, RB 12

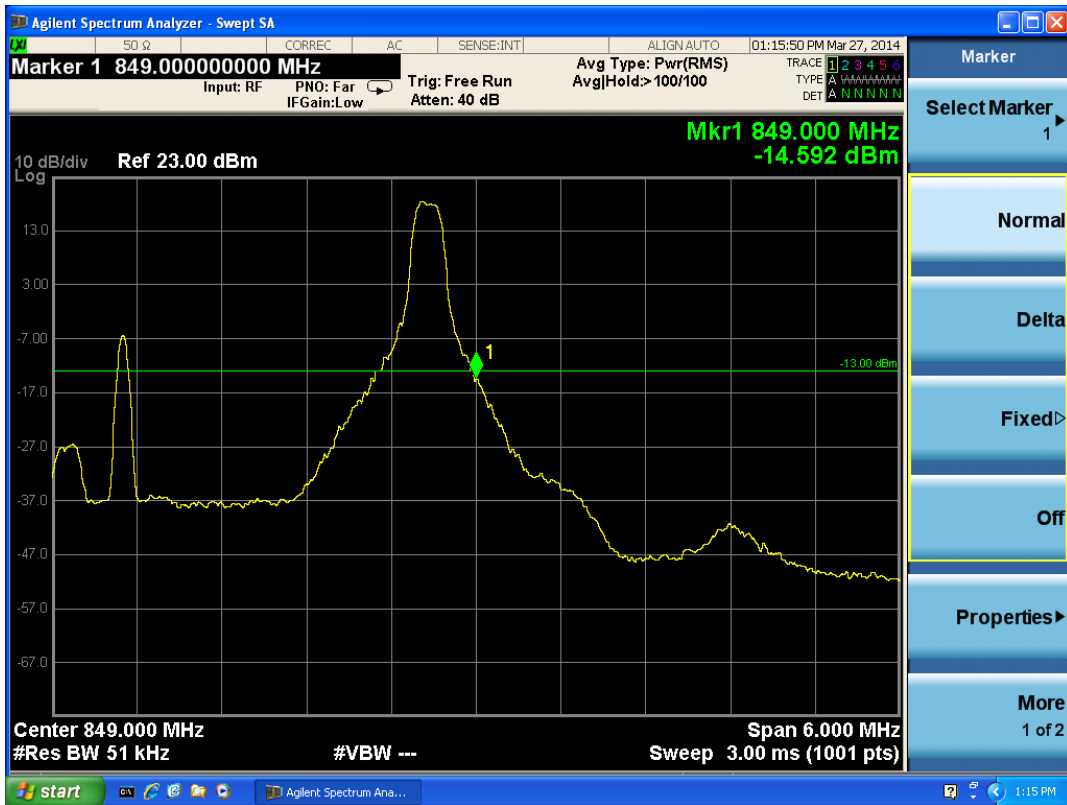


LTE Band 5 QPSK Bandwidth = 5MHz CH20425, RB 25

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LTE Band 5 QPSK Bandwidth = 5MHz CH20625, RB 1

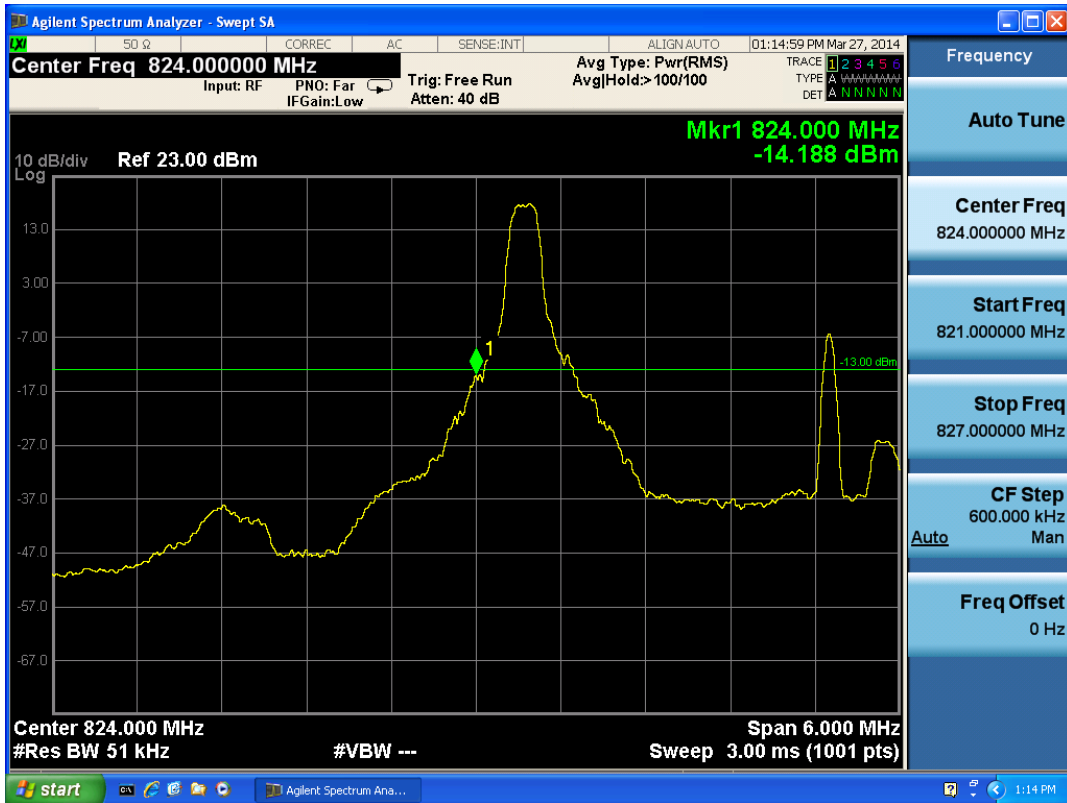


LTE Band 5 QPSK Bandwidth = 5MHz CH20625, RB 12

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LTE Band 5 QPSK Bandwidth = 5MHz CH20625, RB 25

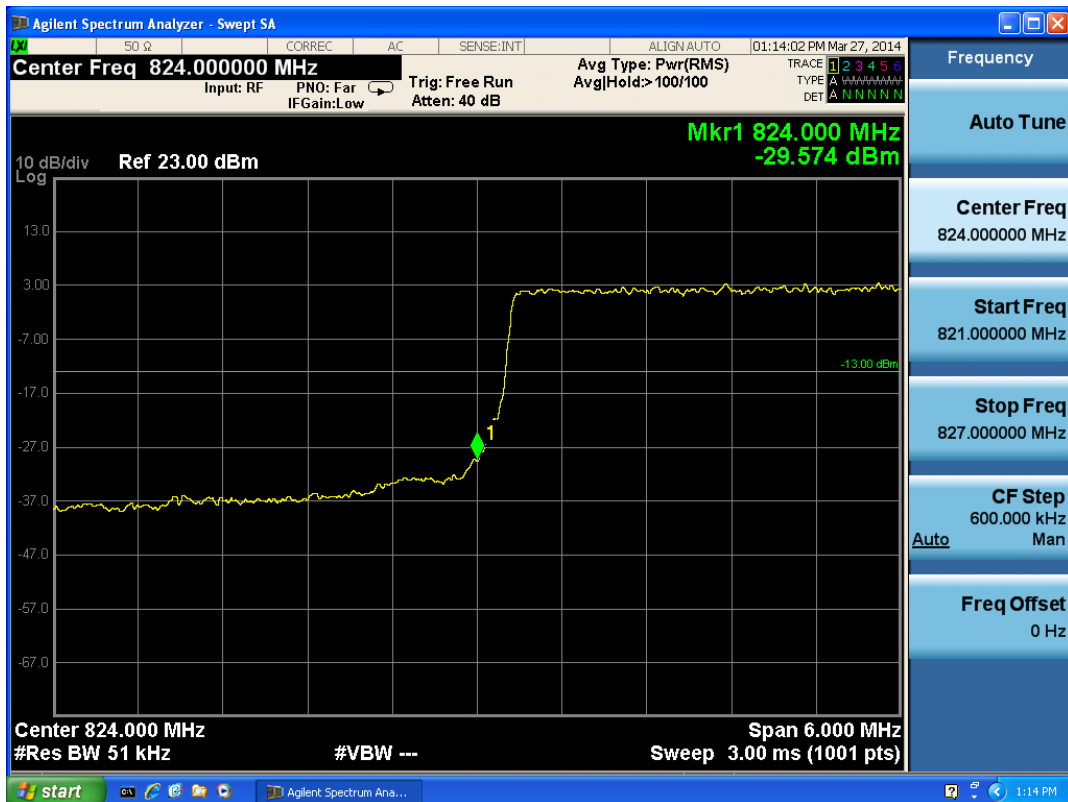


LTE Band 5 16QAM Bandwidth = 5MHz CH20425, RB 1

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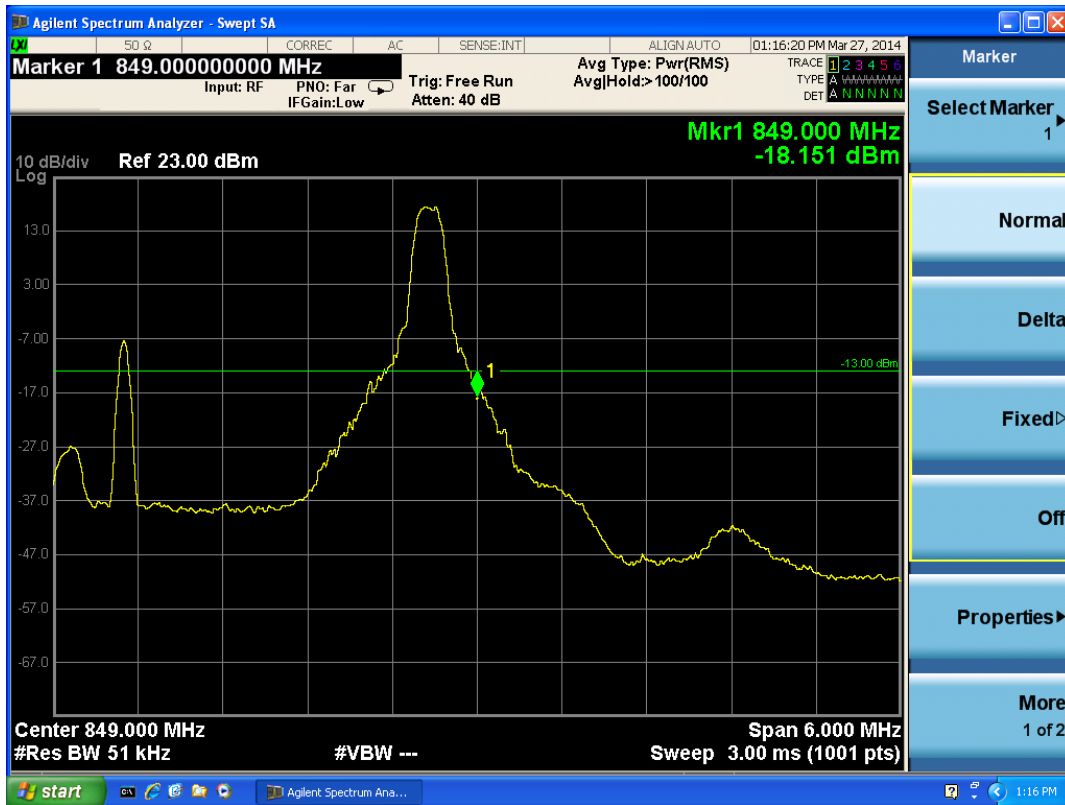


LTE Band 5 16QAM Bandwidth = 5MHz CH20425, RB 12



LTE Band 5 16QAM Bandwidth = 5MHz CH20425, RB 25

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LTE Band 5 16QAM Bandwidth = 5MHz CH20625, RB 1



LTE Band 5 16QAM Bandwidth = 5MHz CH20625, RB 12