FCC TEST REPORT

Issued to

GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP.,LTD

For

Mobile Phone

Model Name:	OPPO X9076
Trade Name:	OPPO
Brand Name:	OPPO
FCC ID :	R9C-X9076
Standard:	47 CFR Part 27, Subpart L
Test date:	2014-4-17 to 2014-5-8
Issue date:	2014-5-9

By

Shenzhen Morlab Communications Technology Co., Ltd.
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Tested by Liu Zhisen	***Approved by*** Zeng Dexin	***Reviewed by*** Peng Huarui
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(Test Engineer)	*(Chief Engineer)*	*(Dept. Manager)*
Date 2014.5.9	***Date*** 2014.5.9	***Date*** 2014.5-9

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Change History		
Issue	Date	Reason for change
1.0	May 9, 2014	First edition

1. GENERAL INFORMATION

1.1 EUT Description

EUT Type	Mobile Phone
Serial No.	(n.a, marked #1 by test site)
Hardware Version	214076
Software Version	X9076_12_A.01_140410
Applicant	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP.,LTD NO.18 HAIBIN ROAD, WUSHA, CHANG'AN, DONGGUAN, GUANGDONG,CHINA
Manufacturer	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP.,LTD NO.18 NO.18 HAIBIN ROAD, WUSHA, CHANG'AN, DONGGUAN, GUANGDONG,CHINA
Modulation Type	LTE Band 17: QPSK, 16QAM LTE Band 4: QPSK, 16QAM
Tx Frequency Range	LTE Band 17: 704MHz~716MHz LTE Band 4: 1710MHz~1755MHz
Rx Frequency Range	LTE Band 17: 734MHz~746MHz LTE Band 4: 2110MHz~2155MHz
Emission Designator	4M52G7D (LTE Band 17, QPSK, BW 5MHz) 4M53W7D (LTE Band 17, 16QAM, BW 5MHz) 9M06G7D (LTE Band 17, QPSK, BW 10MHz) 9M05W7D (LTE Band 17, 16QAM, BW 10MHz) 1M10G7D (LTE Band 4, QPSK, BW 1.4MHz) 1M10W7D (LTE Band 4, 16QAM, BW 1.4MHz) 2M74G7D (LTE Band 4, QPSK, BW 3MHz) 2M74 W7D (LTE Band 4, 16QAM, BW 3MHz) 4M51G7D (LTE Band 4, QPSK, BW 5MHz) 4M51 W7D (LTE Band 4, 16QAM, BW 5MHz) 9M05G7D (LTE Band 4, QPSK, BW 10MHz) 9M06 W7D (LTE Band 4, 16QAM, BW 10MHz) 13M48G7D (LTE Band 4, QPSK, BW 15MHz) 13M48 W7D (LTE Band 4, 16QAM, BW 15MHz) 18M53G7D (LTE Band 4, QPSK, BW 20MHz) 18M50W7D (LTE Band 4, 16QAM, BW 20MHz)
Antenna Type	PIFA Antenna
Power Supply	3.8V DC Power

1.2 Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 2 and Part 27 for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 27	Miscellaneous Wireless Communications Services

Test detailed items/section required by FCC rules and results are as below:

No.	Section	Description	Result
1	2.1046	Transmitter Conducted Output Power	PASS
2	27.50(d)(5)	Occupied Bandwidth	PASS
3	2.1049,27.53(g)	Frequency Stability	PASS
4	2.1055, 27.54	Peak to Average Radio	PASS
5	2.1051,2.105727.53(g)	Conducted Spurious Emissions	PASS
6	2.1051,2.1057 27.53(g)(h)	Band Edge	PASS
7	27.50(d)(4)	Equivalent Isotropic Radiated Power	PASS
8	2.1053,2.1057 27.53(g)	Radiated Spurious Emissions	PASS

1.3 Facilities and Accreditations

1.3.1 Facilities

Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L3572.

All measurement facilities used to collect the measurement data are located at 3/F, Electronic Testing Building, Shahe Road, Xili, Nanshan District, Shenzhen, 518055 P. R. China. The test site is constructed in conformance with the requirements of TIA/EIA 603.D: 2010, ANSI C63.4: 2009 and CISPR Publication 22: 2010. The FCC registration number is 695796.

1.3.2 Test Environment Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15 - 35
Relative Humidity (%):	30 - 60
Atmospheric Pressure (kPa):	86 - 106

2. 47 CFR PART 2, PART 27L REQUIREMENTS

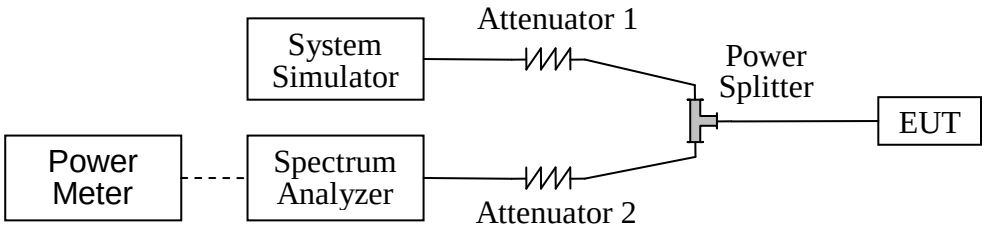
2.1 Transmitter Conducted Output Power

2.1.1 Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

2.1.2 Test Description

1. Test Setup:



The EUT, which is powered 5V DC power (USB port), is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
System Simulator	Rohde& Schwarz	CMW500	1201.0002k50 /124534/wk	2013.05	2014.05
Spectrum Analyzer	Rohde& Schwarz	FSL	10246	2013.05	2014.05
Spectrum Analyzer	Agilent	E4445A	MY44200685	2013.05	2014.05
Power Meter	Agilent	E4418B	GB43318055	2013.05	2014.05
Power Meter	Agilent	E4418B	GB43318055	2013.05	2014.05
Power Sensor	Agilent	8482A	MY41091706	2013.05	2014.05
Power Splitter	Weinschel	1506A	NW521	2013.05	2014.05
Attenuator 1	Resnet	20dB	(n.a.)	2013.05	2014.05

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Attenuator 2	Resnet	3dB	(n.a.)	2013.05	2014.05

2.1.3 Test Results

LTE BAND 4

Band Width	Channel	Freq.(MHZ)	Modulation	RB Configuration		Average Power (dBm)
				RB Size	RB Offset	
20MHz	L 20050	1720.0	QPSK	1	0	23.42
				1	49	23.67
				1	99	23.86
				50	0	22.86
				50	25	22.99
				50	49	22.90
				100	0	22.78
			16-QAM	1	0	22.73
				1	49	22.95
				1	99	23.00
				50	0	21.90
				50	25	21.96
				50	49	21.89
				100	0	21.76
	M 20175	1732.5	QPSK	1	0	23.49
				1	49	23.74
				1	99	23.73
				50	0	22.86
				50	25	22.89
				50	49	22.91
				100	0	22.77
			16-QAM	1	0	22.62
				1	49	22.92
				1	99	22.87
				50	0	21.90
				50	25	21.89
				50	49	21.94
				100	0	21.89
	H 20300	1745.0	QPSK	1	0	23.70
				1	49	23.72
				1	99	23.18
				50	0	22.89
				50	25	22.91
				50	49	22.94
				100	0	22.85
			16-QAM	1	0	23.22
				1	49	23.03
				1	99	23.15

				50	0	21.94
				50	25	21.99
				50	49	21.94
				100	0	21.87

LTE BAND 4 (Continue)

Band Width	Channel	Freq.(MHZ)	Modulation	RB Configuration		Average Power (dBm)
				RB Size	RB Offset	
15MHz	L 20025	1717.5	QPSK	1	0	23.04
				1	37	23.57
				1	74	23.73
				36	0	22.89
				36	18	22.96
				36	35	22.92
				75	0	22.79
			16-QAM	1	0	22.93
				1	37	22.96
				1	74	23.08
				36	0	22.09
				36	18	21.96
				36	35	21.98
				75	0	21.80
	M 20175	1732.5	QPSK	1	0	23.13
				1	37	23.66
				1	74	23.67
				36	0	21.96
				36	18	21.94
				36	35	21.91
				75	0	22.78
			16-QAM	1	0	22.72
				1	37	22.70
				1	74	22.73
				36	0	21.86
				36	18	21.89
				36	35	21.97
				75	0	21.74
	H 20325	1747.5	QPSK	1	0	23.59
				1	37	23.62
				1	74	23.56
				36	0	22.64
				36	18	22.72
				36	35	22.76
				75	0	22.93
			16-QAM	1	0	23.01
				1	37	22.98
				1	74	22.90

				36	0	21.99
				36	18	21.93
				36	35	21.88
				75	0	21.85

LTE BAND 4 (Continue)

Band Width	Channel	Freq.(MHZ)	Modulation	RB Configuration		Average Power (dBm)
				RB Size	RB Offset	
10MHz	L 20000	1715.0	QPSK	1	0	23.64
				1	24	23.78
				1	49	23.77
				25	0	22.89
				25	12	22.90
				25	24	22.87
				50	0	22.92
			16-QAM	1	0	23.15
				1	24	23.13
				1	49	23.17
				25	0	22.08
				25	12	22.12
				25	24	22.13
				50	0	21.94
	M 20175	1732.5	QPSK	1	0	24.07
				1	24	24.02
				1	49	23.90
				25	0	23.03
				25	12	23.08
				25	24	23.06
				50	0	22.98
			16-QAM	1	0	23.36
				1	24	23.17
				1	49	23.21
				25	0	22.18
				25	12	22.11
				25	24	22.04
				50	0	22.01
	H 20350	1750.0	QPSK	1	0	23.72
				1	24	23.69
				1	49	23.73
				25	0	22.68
				25	12	22.80
				25	24	22.71
				50	0	22.90
			16-QAM	1	0	22.77
				1	24	22.75
				1	49	22.75

				25	0	21.82
				25	12	21.83
				25	24	21.92
				50	0	22.11

LTE BAND 4 (Continue)

Band Width	Channel	Freq.(MHZ)	Modulation	RB Configuration		Average Power (dBm)
				RB Size	RB Offset	
5MHz	L 19975	1712.5	QPSK	1	0	23.79
				1	12	23.89
				1	24	23.91
				12	0	22.89
				12	6	22.82
				12	11	22.87
				25	0	22.84
			16-QAM	1	0	22.86
				1	12	22.90
				1	24	22.95
				12	0	21.87
				12	6	21.88
				12	11	21.83
				25	0	21.82
	M 20175	1732.5	QPSK	1	0	23.74
				1	12	23.79
				1	24	23.76
				12	0	22.77
				12	6	22.80
				12	11	22.87
				25	0	22.91
			16-QAM	1	0	22.84
				1	12	22.83
				1	24	22.87
				12	0	21.90
				12	6	21.92
				12	11	21.87
				25	0	22.01
	H 20375	1752.5	QPSK	1	0	23.93
				1	12	23.91
				1	24	23.88
				12	0	22.87
				12	6	22.91
				12	11	22.88
				25	0	22.92
			16-QAM	1	0	23.45
				1	12	23.41
				1	24	23.33

				12	0	22.12
				12	6	22.18
				12	11	22.09
				25	0	21.92

LTE BAND 4 (Continue)

Band Width	Channel	Freq.(MHZ)	Modulation	RB Configuration		Average Power (dBm)
				RB Size	RB Offset	
3MHz	L 19965	1711.5	QPSK	1	0	23.84
				1	7	23.80
				1	14	23.87
				8	0	22.80
				8	4	22.78
				8	7	22.81
				15	0	22.82
			16-QAM	1	0	23.13
				1	7	23.11
				1	14	23.15
				8	0	22.01
				8	4	21.89
				8	7	21.92
				15	0	21.83
	M 20175	1732.5	QPSK	1	0	23.82
				1	7	23.80
				1	14	23.79
				8	0	22.89
				8	4	22.91
				8	7	22.89
				15	0	22.97
			16-QAM	1	0	22.87
				1	7	22.89
				1	14	22.88
				8	0	22.01
				8	4	21.89
				8	7	21.92
				15	0	21.91
	H 20384	1753.4	QPSK	1	0	23.91
				1	7	23.89
				1	14	23.80
				8	0	22.79
				8	4	22.81
				8	7	22.82
				15	0	22.80
			16-QAM	1	0	23.15
				1	7	23.11
				1	14	23.13

				8	0	22.03
				8	4	21.89
				8	7	21.92
				15	0	21.83

LTE BAND 4 (Continue)

Band Width	Channel	Freq.(MHZ)	Modulation	RB Configuration		Average Power (dBm)
				RB Size	RB Offset	
1.4MHz	L 19957	1710.7	QPSK	1	0	23.79
				1	2	23.81
				1	5	23.80
				3	0	22.78
				3	1	22.82
				3	2	22.89
				6	0	22.88
			16-QAM	1	0	22.97
				1	2	22.89
				1	5	22.97
				3	0	22.10
				3	1	22.12
				3	2	22.18
				6	0	21.88
	M 20175	1732.5	QPSK	1	0	23.93
				1	2	23.89
				1	5	23.95
				3	0	22.92
				3	1	22.91
				3	2	22.89
				6	0	22.99
			16-QAM	1	0	23.18
				1	2	23.14
				1	5	23.23
				3	0	22.05
				3	2	22.07
				3	5	22.04
				6	0	22.03
	H 20392	1754.2	QPSK	1	0	23.74
				1	2	23.70
				1	5	23.74
				3	0	22.81
				3	1	22.82
				3	2	22.81
				6	0	22.89
			16-QAM	1	0	22.78
				1	2	22.76
				1	5	22.78

				3	0	21.82
				3	1	21.80
				3	2	21.79
				6	0	21.80

LTE BAND 17

Band Width	Channel	Freq.(MHZ)	Modulation	RB Configuration		Average Power (dBm)
				RB Size	RB Offset	
10MHz	L 23780	709.0	QPSK	1	0	22.86
				1	24	22.98
				1	49	23.17
				25	0	22.01
				25	12	22.03
				25	24	22.02
				50	0	22.10
			16-QAM	1	0	21.88
				1	24	22.07
				1	49	22.20
				25	0	20.95
				25	12	20.94
				25	24	20.93
				50	0	21.06
	M 23790	710.0	QPSK	1	0	22.82
				1	24	22.93
				1	49	23.02
				25	0	21.95
				25	12	21.96
				25	24	21.98
				50	0	22.25
			16-QAM	1	0	22.21
				1	24	22.10
				1	49	22.47
				25	0	21.01
				25	12	21.05
				25	24	21.03
				50	0	21.10
	H 23800	711.0	QPSK	1	0	22.78
				1	24	22.90
				1	49	23.00
				25	0	22.08
				25	12	22.04
				25	24	22.11
				50	0	22.18
			16-QAM	1	0	22.16
				1	24	22.08
				1	49	22.40

				25	0	21.13
				25	12	21.10
				25	24	23.17
				50	0	21.14

LTE BAND 17 (Continue)

Band Width	Channel	Freq.(MHZ)	Modulation	RB Configuration		Average Power (dBm)
				RB Size	RB Offset	
5MHz	L 23755	706.5	QPSK	1	0	22.88
				1	12	22.79
				1	24	22.85
				12	0	21.89
				12	6	21.92
				12	11	21.90
				25	0	21.93
			16-QAM	1	0	21.93
				1	12	21.94
				1	24	21.87
				12	0	20.88
				12	6	20.93
				12	11	20.88
				25	0	20.79
	M 23790	710.0	QPSK	1	0	22.77
				1	12	23.05
				1	24	23.14
				12	0	22.02
				12	6	22.04
				12	11	22.03
				25	0	22.10
			16-QAM	1	0	21.80
				1	12	21.96
				1	24	22.23
				12	0	21.12
				12	6	21.10
				12	11	21.15
				25	0	21.14
	H 23825	713.5	QPSK	1	0	22.63
				1	12	22.55
				1	24	22.57
				12	0	21.26
				12	6	21.22
				12	11	21.27
				25	0	21.20
			16-QAM	1	0	22.96
				1	12	23.03
				1	24	23.11

				12	0	22.17
				12	6	22.14
				12	11	22.15
				25	0	22.28

2.2 Occupied Bandwidth

2.2.1 Definition

According to FCC section 2.1049 and 27.53(g), the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission.

Occupied bandwidth is also known as the 99% emission bandwidth.

2.2.2 Test Description

See section 2.1.2 of this report.

2.2.3 Test Results

LTE Band 17

Low channel:

Channel Bandwidth: 5MHz				Channel Bandwidth: 10MHz			
Channel	Frequency (MHz)	99% Bandwidth (MHz)		Channel	Frequency (MHz)	99% Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
23755	706.5	4.5229	4.5280	23780	709	9.0639	9.0448
Channel Bandwidth: 5MHz				**Channel Bandwidth: 10MHz**			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Channel	Frequency (MHz) QPSK	26dB Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
23755	706.5	5.031	5.011	23780	709	9.883	9.962

Middle channel:

Channel Bandwidth: 5MHz				Channel Bandwidth: 10MHz			
Channel	Frequency (MHz)	99% Bandwidth (MHz)		Channel	Frequency (MHz)	99% Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
23790	710.0	4.5169	4.5102	23790	710.0	9.0271	9.0031
Channel Bandwidth: 5MHz				**Channel Bandwidth: 10MHz**			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Channel	Frequency (MHz) QPSK	26dB Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
23790	710.0	4.971	5.002	23790	710.0	9.986	9.916

High channel:

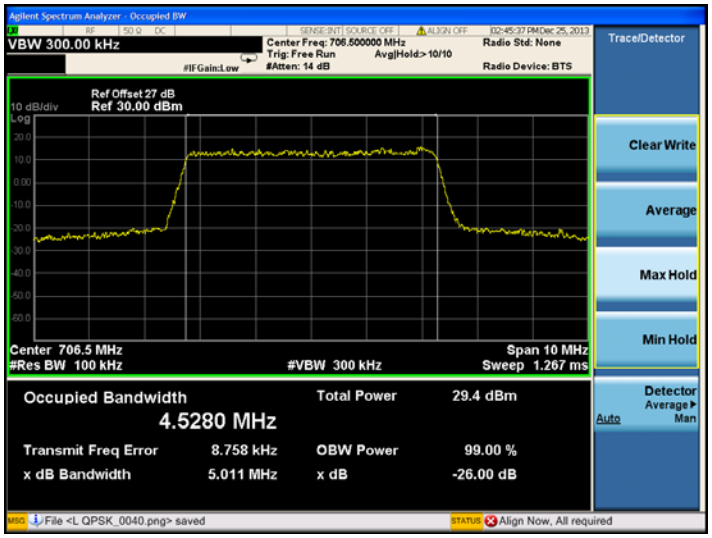
Channel Bandwidth: 5MHz				Channel Bandwidth: 10MHz			
Channel	Frequency (MHz)	99% Bandwidth (MHz)		Channel	Frequency (MHz)	99% Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
23825	713.5	4.5128	4.5172	23800	711	8.9936	8.9983
Channel Bandwidth: 5MHz				**Channel Bandwidth: 10MHz**			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Channel	Frequency (MHz) QPSK	26dB Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
23825	713.5	5.021	4.983	23800	711	9.928	9.954

Low channel:

Spectrum Plot of Worst Value

5MHz/QPSK

5MHz/16QAM

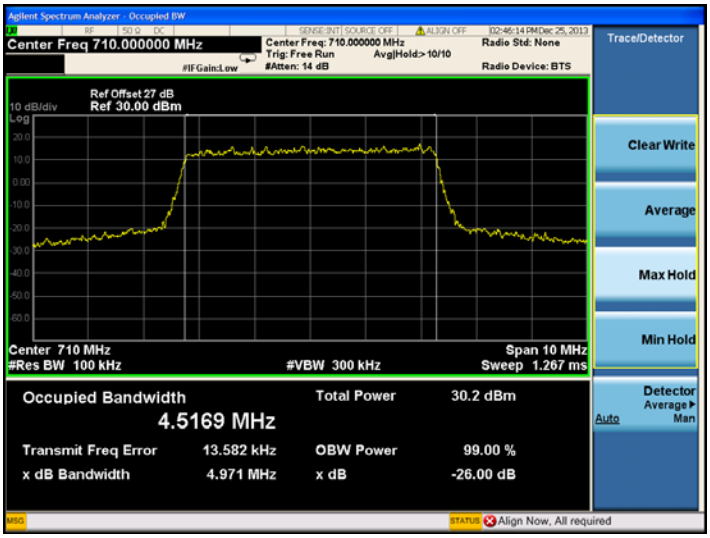


Spectrum Plot of Worst Value

10MHz/QPSK

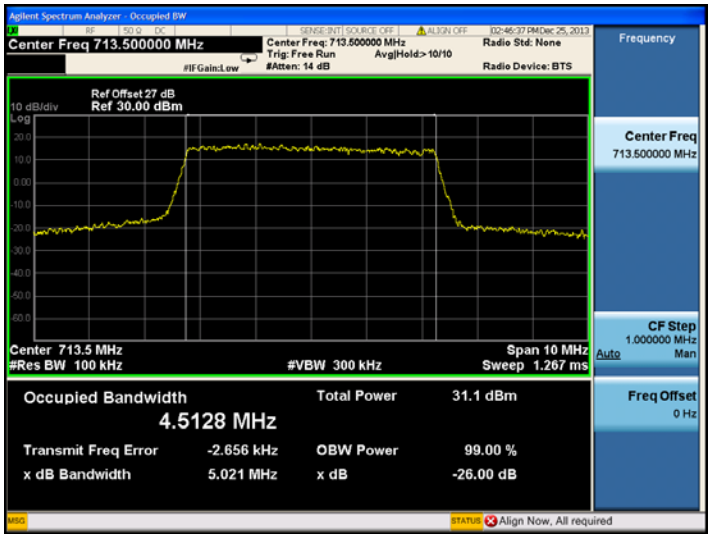
10MHz/16QAM

Middle channel:

Spectrum Plot of Worst Value	
5MHz/QPSK	5MHz/16QAM
	

Spectrum Plot of Worst Value	
10MHz/QPSK	10MHz/16QAM
	

High channel:

Spectrum Plot of Worst Value	
5MHz/QPSK	5MHz/16QAM
	
Spectrum Plot of Worst Value	
10MHz/QPSK	10MHz/16QAM
	

LTE Band 4

Low channel:

Channel Bandwidth: 1.4MHz				Channel Bandwidth: 3MHz			
Channel	Frequency (MHz)	99% Bandwidth (MHz)		Channel	Frequency (MHz)	99% Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
19957	1710.7	1.0997	1.0932	19965	1711.5	2.7351	2.7345
Channel Bandwidth: 1.4MHz				**Channel Bandwidth: 3MHz**			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Channel	Frequency (MHz) QPSK	26dB Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
19957	1710.7	1.297	1.281	19965	1711.5	3.051	3.038

Channel Bandwidth: 5MHz				Channel Bandwidth: 10MHz			
Channel	Frequency (MHz)	99% Bandwidth (MHz)		Channel	Frequency (MHz)	99% Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
19975	1712.5	4.5012	4.5141	20000	1715.0	9.0504	9.0499
Channel Bandwidth: 5MHz				**Channel Bandwidth: 10MHz**			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Channel	Frequency (MHz) QPSK	26dB Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
19975	1712.5	5.015	5.006	20000	1715.0	10.04	9.884

Channel Bandwidth: 15MHz				Channel Bandwidth: 20MHz			
Channel	Frequency (MHz)	99% Bandwidth (MHz)		Channel	Frequency (MHz)	99% Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20025	1717.5	13.417	13.453	20050	1720.0	18.453	18.338
Channel Bandwidth: 15MHz				**Channel Bandwidth: 20MHz**			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Channel	Frequency (MHz) QPSK	26dB Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20025	1717.5	14.67	14.65	20050	1720.0	20.36	20.30

Middle channel:

Channel Bandwidth: 1.4MHz				Channel Bandwidth: 3MHz			
Channel	Frequency (MHz)	99% Bandwidth (MHz)		Channel	Frequency (MHz)	99% Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20175	1732.5	1.0933	1.0995	20175	1732.5	2.7394	2.7437
Channel Bandwidth: 1.4MHz				**Channel Bandwidth: 3MHz**			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Channel	Frequency (MHz) QPSK	26dB Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20175	1732.5	1.284	1.281	20175	1732.5	3.045	3.034

Channel Bandwidth: 5MHz				Channel Bandwidth: 10MHz			
Channel	Frequency (MHz)	99% Bandwidth (MHz)		Channel	Frequency (MHz)	99% Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20175	1732.5	4.5084	4.5031	20175	1732.5	9.0324	9.0560
Channel Bandwidth: 5MHz				**Channel Bandwidth: 10MHz**			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Channel	Frequency (MHz) QPSK	26dB Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20175	1732.5	4.980	4.968	20175	1732.5	9.888	10.04

Channel Bandwidth: 15MHz				Channel Bandwidth: 20MHz			
Channel	Frequency (MHz)	99% Bandwidth (MHz)		Channel	Frequency (MHz)	99% Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20175	1732.5	13.450	13.476	20175	1732.5	18.443	18.451
Channel Bandwidth: 15MHz				**Channel Bandwidth: 20MHz**			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Channel	Frequency (MHz) QPSK	26dB Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20175	1732.5	14.71	14.60	20175	1732.5	20.38	20.38

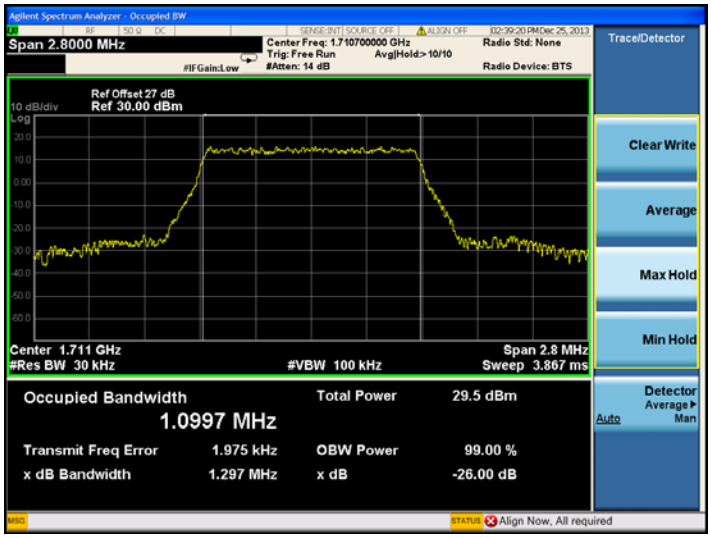
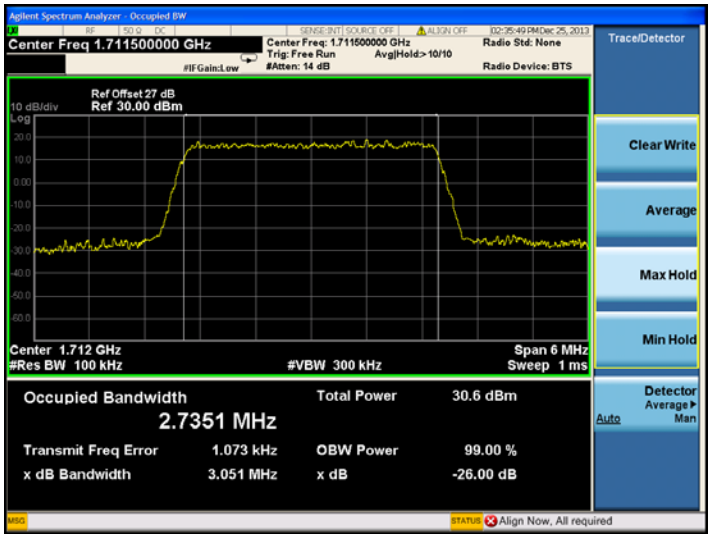
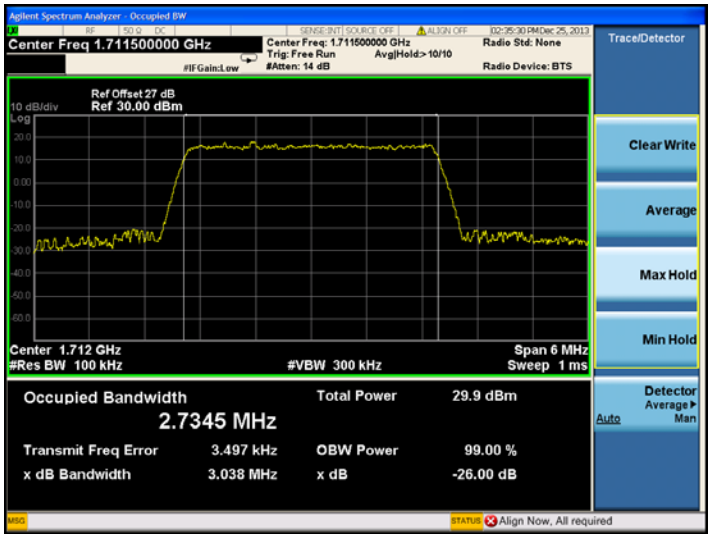
High channel:

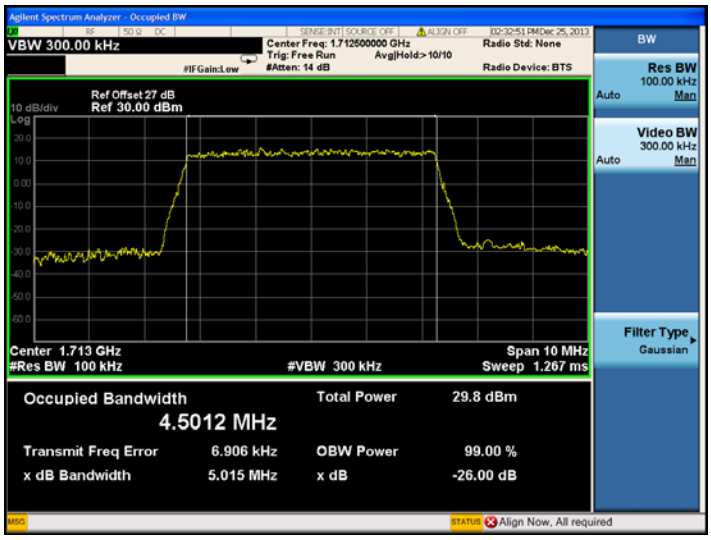
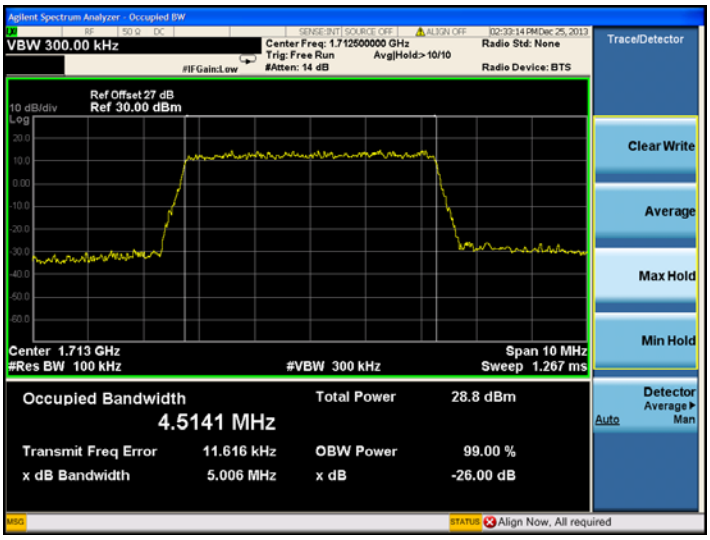
Channel Bandwidth: 1.4MHz				Channel Bandwidth: 3MHz			
Channel	Frequency (MHz)	99% Bandwidth (MHz)		Channel	Frequency (MHz)	99% Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20392	1754.2	1.0952	1.0861	20384	1753.4	2.7373	2.7291
Channel Bandwidth: 1.4MHz				**Channel Bandwidth: 3MHz**			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Channel	Frequency (MHz) QPSK	26dB Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20392	1754.2	1.293	1.275	20384	1753.4	3.038	3.049

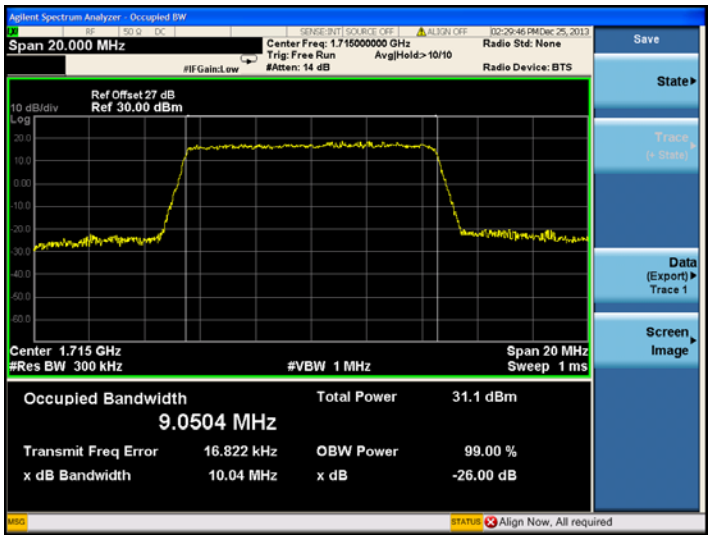
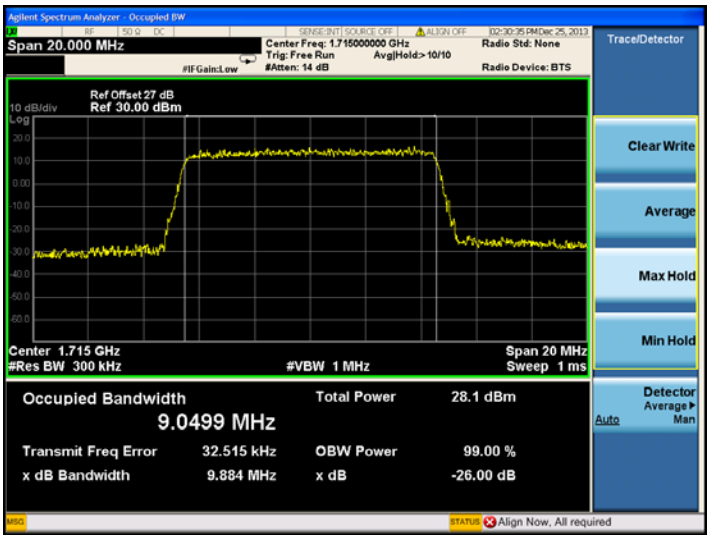
Channel Bandwidth: 5MHz				Channel Bandwidth: 10MHz			
Channel	Frequency (MHz)	99% Bandwidth (MHz)		Channel	Frequency (MHz)	99% Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20375	1752.5	4.5036	4.5094	20350	1750.0	9.0366	9.0278
Channel Bandwidth: 5MHz				**Channel Bandwidth: 10MHz**			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Channel	Frequency (MHz) QPSK	26dB Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20375	1752.5	4.990	4.943	20350	1750.0	10.06	9.986

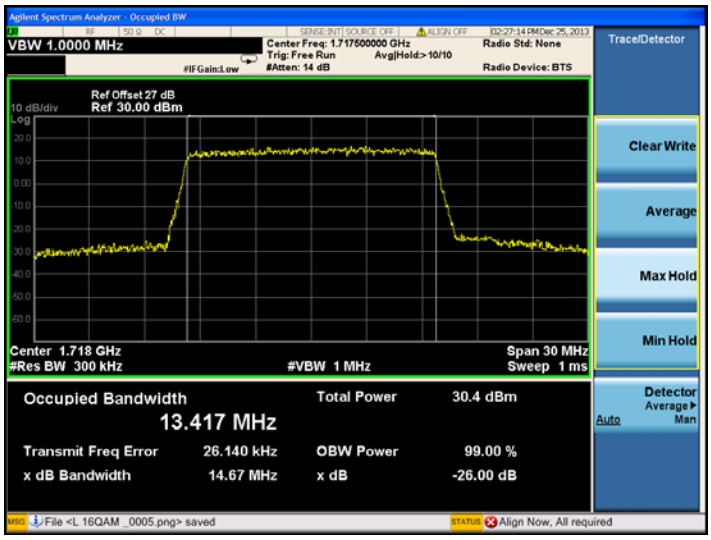
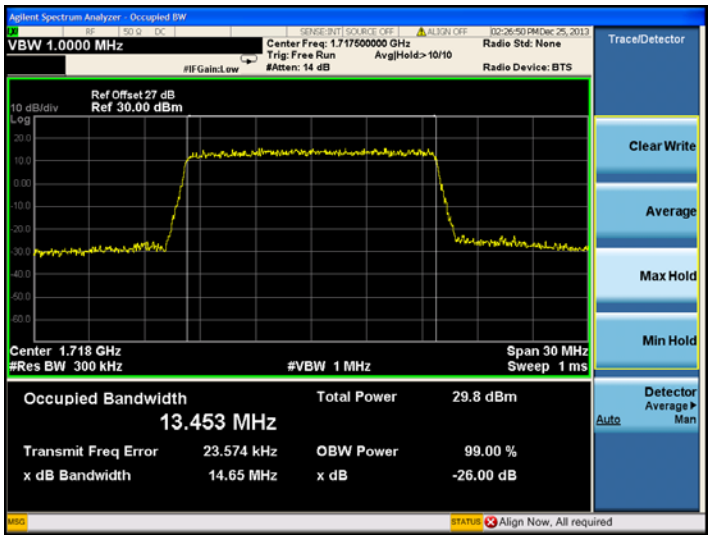
Channel Bandwidth: 15MHz				Channel Bandwidth: 20MHz			
Channel	Frequency (MHz)	99% Bandwidth (MHz)		Channel	Frequency (MHz)	99% Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20325	1747.5	13.479	13.462	20300	1745.0	18.531	18.502
Channel Bandwidth: 15MHz				**Channel Bandwidth: 20MHz**			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Channel	Frequency (MHz) QPSK	26dB Bandwidth(MHz)	
		QPSK	16QAM			QPSK	16QAM
20325	1747.5	14.65	14.69	20300	1745.0	20.28	20.33

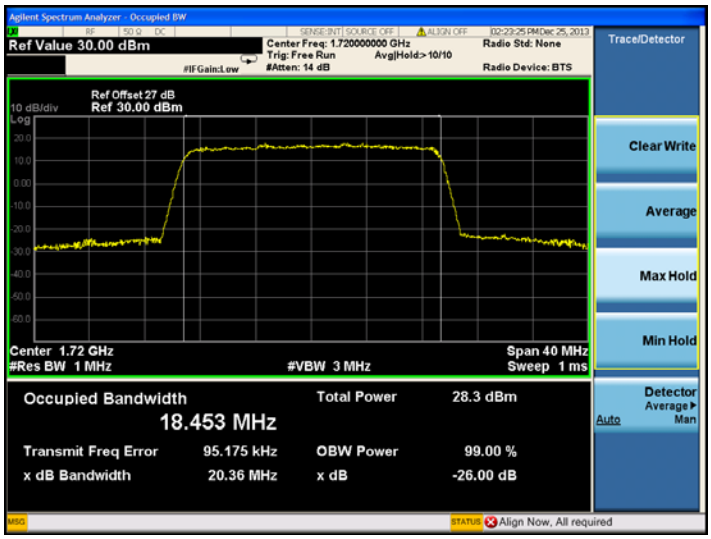
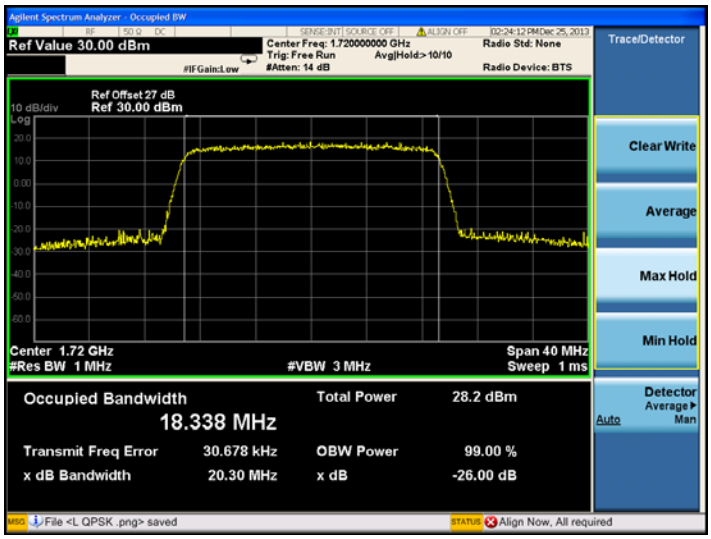
Low channel:

Spectrum Plot of Worst Value	
1.4MHz/QPSK	1.4MHz/16QAM
	
Spectrum Plot of Worst Value	
3MHz/QPSK	3MHz/16QAM
	

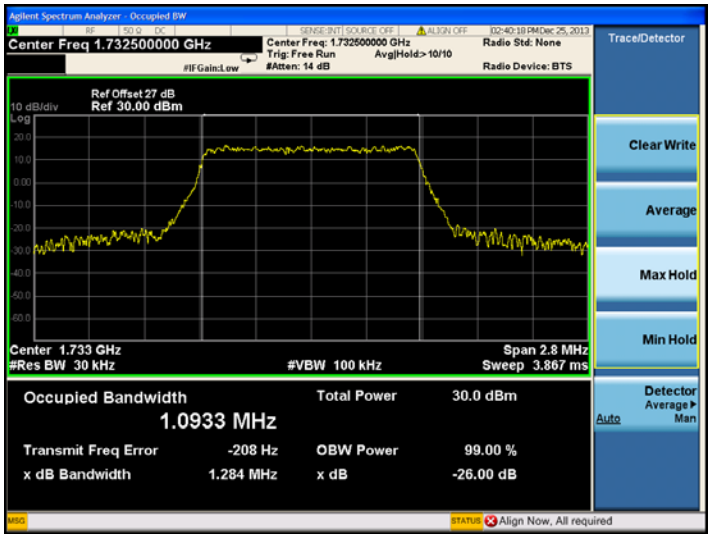
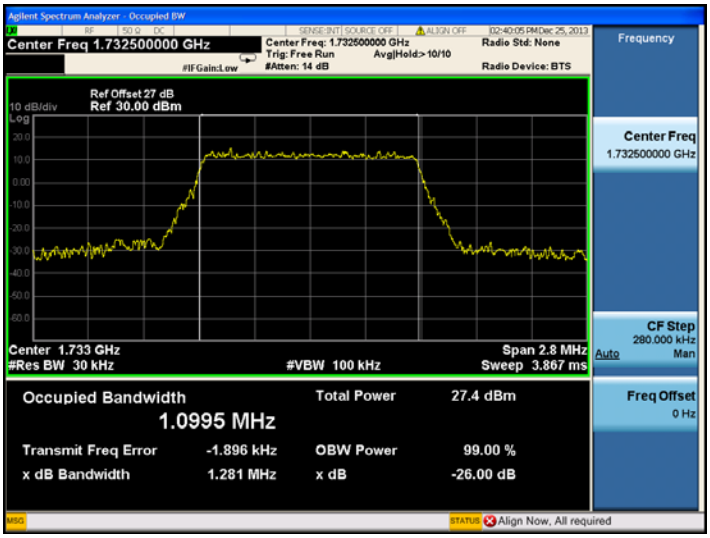
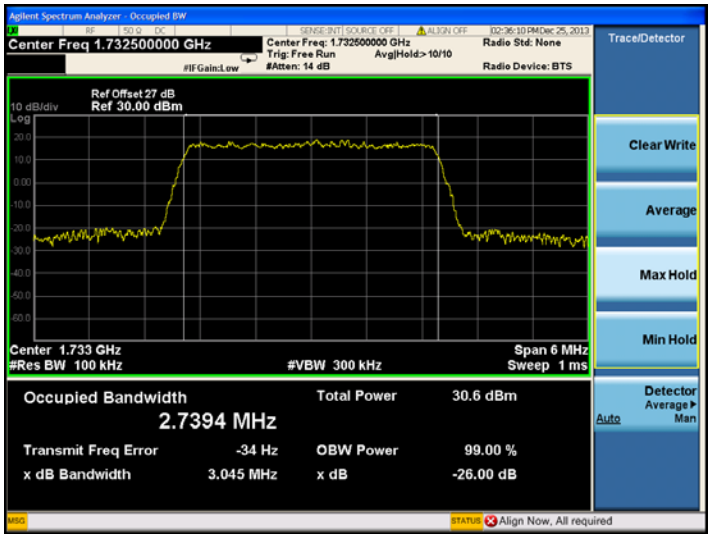
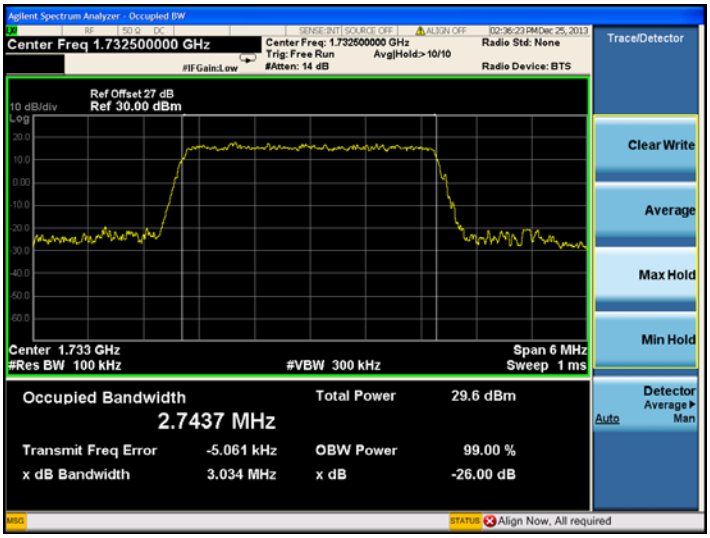
Spectrum Plot of Worst Value	
5MHz/QPSK	5MHz/16QAM
	

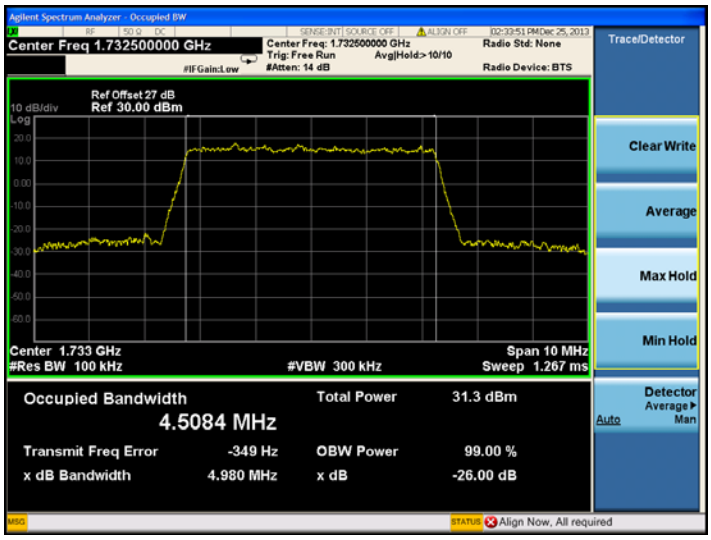
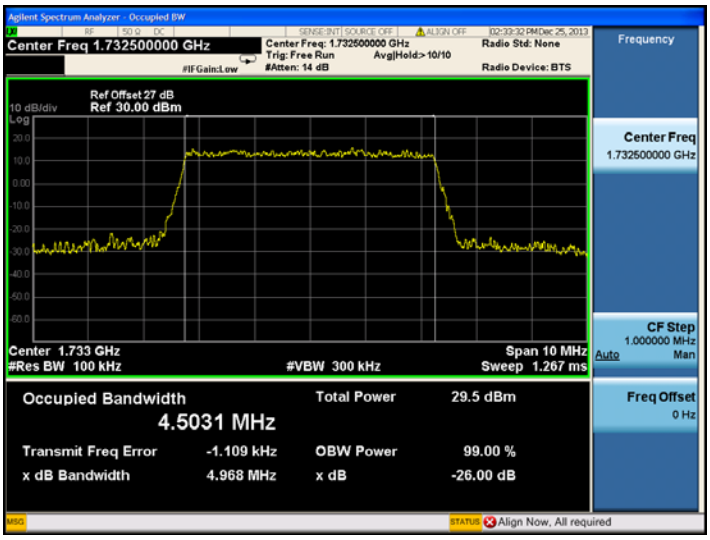
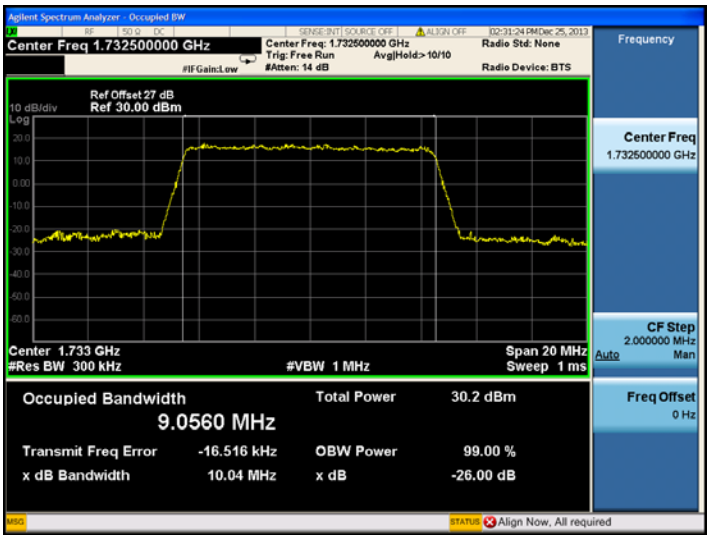
Spectrum Plot of Worst Value	
10MHz/QPSK	10MHz/16QAM
	

Spectrum Plot of Worst Value	
15MHz/QPSK	15MHz/16QAM
	

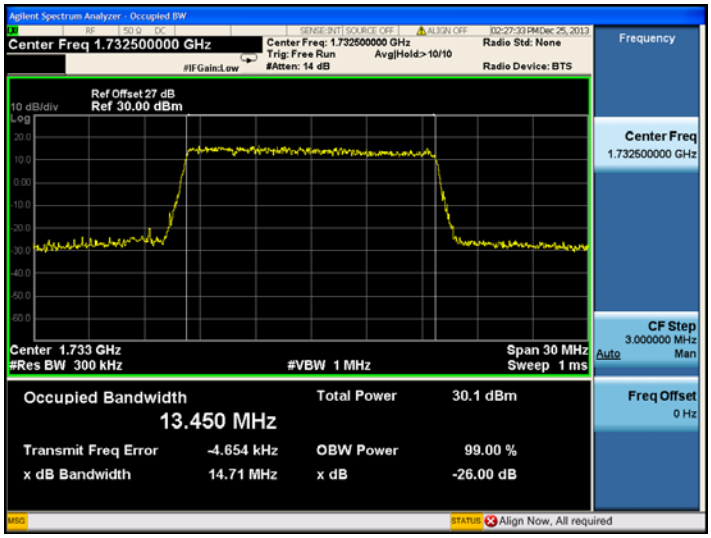
Spectrum Plot of Worst Value	
20MHz/QPSK	20MHz/16QAM
	

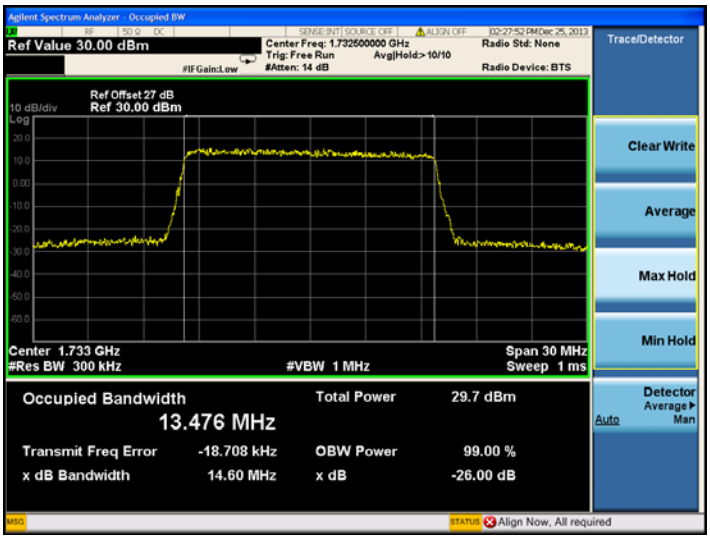
Middle channel:

Spectrum Plot of Worst Value	
1.4MHz/QPSK	1.4MHz/16QAM
	
Spectrum Plot of Worst Value	
3MHz/QPSK	3MHz/16QAM
	

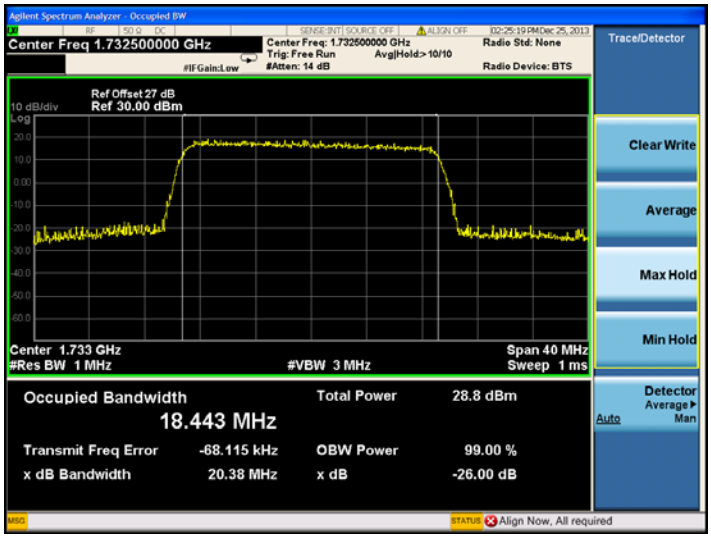
Spectrum Plot of Worst Value	
5MHz/QPSK	5MHz/16QAM
	
Spectrum Plot of Worst Value	
10MHz/QPSK	10MHz/16QAM
	

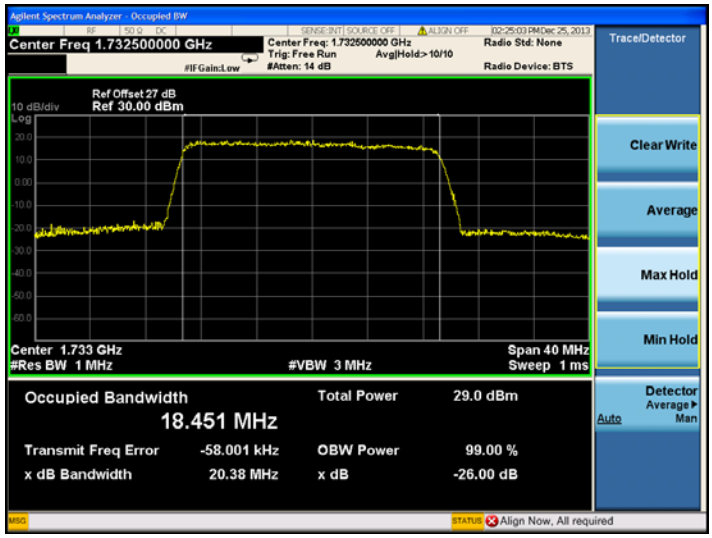
Spectrum Plot of Worst Value	
15MHz/QPSK	**15MHz/16QAM**
7	



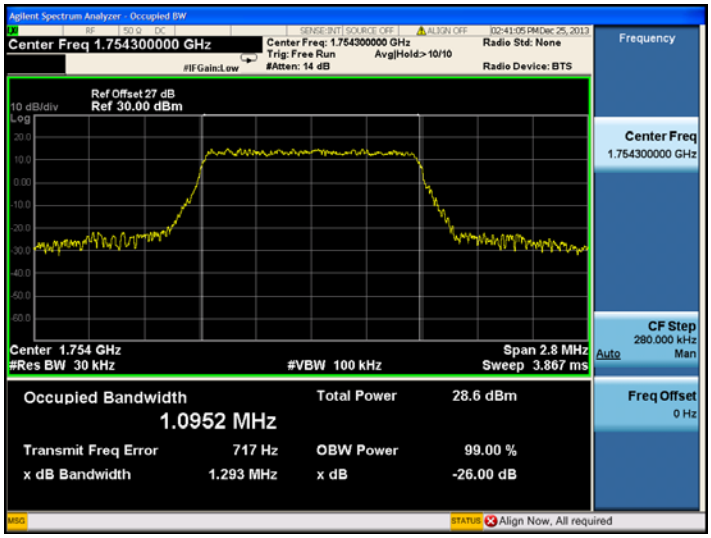
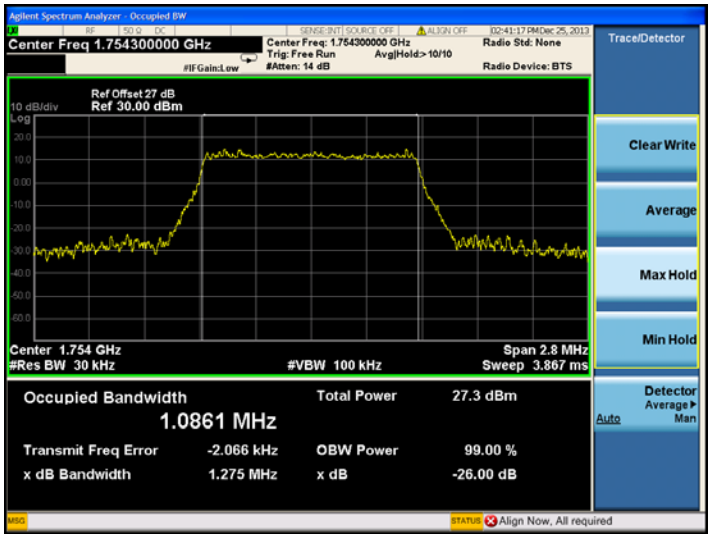
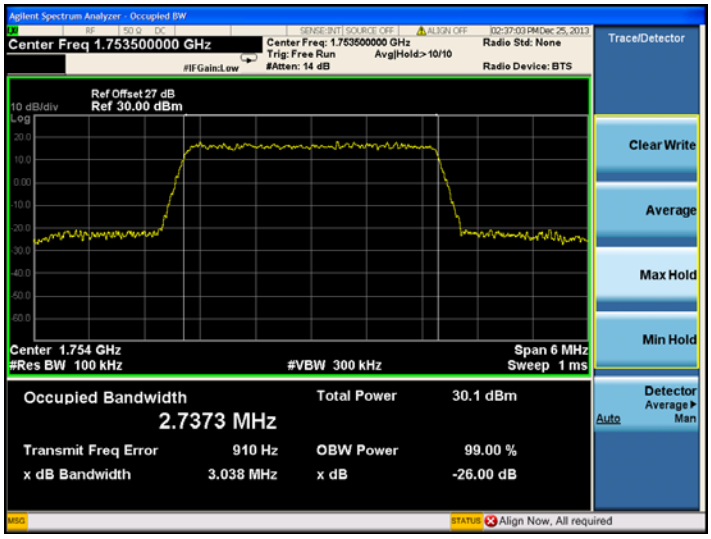
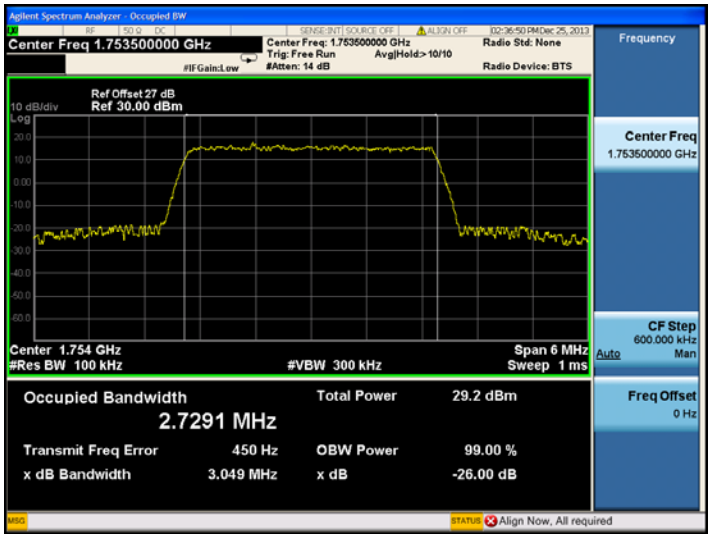


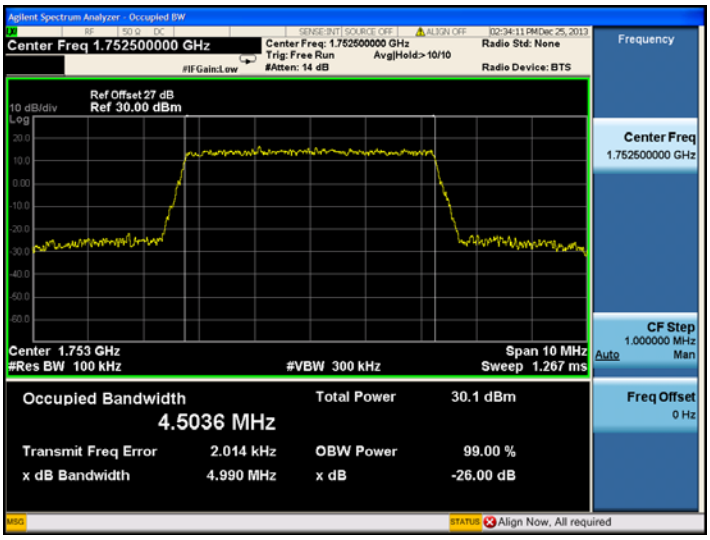
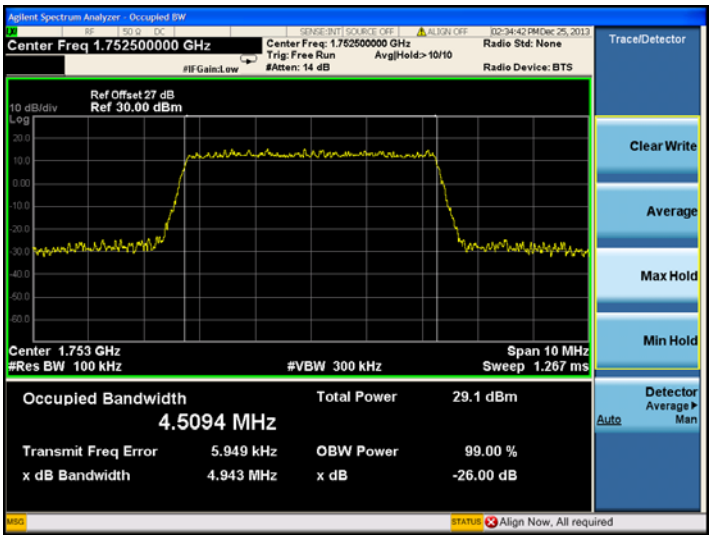
Spectrum Plot of Worst Value	
20MHz/QPSK	**20MHz/16QAM**





High channel:

Spectrum Plot of Worst Value	
1.4MHz/QPSK	1.4MHz/16QAM
	
Spectrum Plot of Worst Value	
3MHz/QPSK	3MHz/16QAM
	

Spectrum Plot of Worst Value	
5MHz/QPSK	5MHz/16QAM
	
Spectrum Plot of Worst Value	
10MHz/QPSK	10MHz/16QAM