



REPORT No.: SZ17120080W07

TEST REPORT

APPLICANT : Shenzhen Chainway Information Technology Co.,Ltd.

PRODUCT NAME : Mobile Data Terminal

MODEL NAME : C6000

BRAND NAME : CHAINWAY

FCC ID : 2AC6AC6000

STANDARD(S) : 47 CFR Part 22, Subpart H
47 CFR Part 24, Subpart E
47 CFR Part 27, Subpart L&M

TEST DATE : 2018-01-14 to 2018-05-09

ISSUE DATE : 2018-05-10

Tested by:

Tu Ya'nan

Tu Ya'nan (Test Engineer)

Approved by:

Andy Yeh

Andy Yeh (Technical Director)

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REPORT No.: SZ17120080W07

Change History		
Issue	Date	Reason for change
1.0	2018-03-15	First edition
2.0	2018-05-10	Second edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Shenzhen Chainway Information Technology Co.,Ltd.
Applicant Address:	9/F, Building 2, Daqian Industrial Park, Longchang Rd., District 67, Bao'an, Shenzhen
Manufacturer:	Shenzhen Chainway Information Technology Co.,Ltd.
Manufacturer Address:	9/F, Building 2, Daqian Industrial Park, Longchang Rd., District 67, Bao'an, Shenzhen

1.2. Equipment Under Test (EUT) Description

Product Name:	Mobile Data Terminal	
Serial No:	(N/A, marked #1 by test site)	
Hardware Version:	C6000EA_MB_10	
Software Version:	C6000A_MT6735_V3_AM_GITe978618_20180315	
Modulation Type:	QPSK, 16QAM	
Operation Band:	Band 2 / 4 / 7 / 12 / 17	
Frequency Range:	LTE Band 2	Tx: 1850MHz -1910MHz
		Rx: 1930MHz -1990MHz
	LTE Band 4	Tx: 1710MHz -1755MHz
		Rx: 2110MHz - 2155MHz
	LTE Band 7	Tx: 2500MHz - 2570MHz
		Rx: 2500MHz - 2570MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz - 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz- 746MHz
Channel Bandwidth	LTE Band 2	1.4MHz, 3 MHz, 5 MHz, 10MHz, 15 MHz, 20 MHz
	LTE Band 4	1.4MHz, 3 MHz, 5 MHz, 10MHz, 15 MHz, 20 MHz
	LTE Band 7	5 MHz, 10MHz, 15 MHz, 20 MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz



Emission Designator:	1M10G7D (LTE Band 2, QPSK, BW 1.4MHz) 1M10W7D (LTE Band 2, 16QAM, BW 1.4MHz) 2M72G7D (LTE Band 2, QPSK, BW 3MHz) 2M71 W7D (LTE Band 2, 16QAM, BW 3MHz) 4M54G7D (LTE Band 2, QPSK, BW 5MHz) 4M54W7D (LTE Band 2, 16QAM, BW 5MHz) 9M00G7D (LTE Band 2, QPSK, BW 10MHz) 9M00W7D (LTE Band 2, 16QAM, BW 10MHz) 13M50G7D (LTE Band 2, QPSK, BW 15MHz) 13M49W7D (LTE Band 2, 16QAM, BW 15MHz) 18M02G7D (LTE Band 2, QPSK, BW 20MHz) 18M02W7D (LTE Band 2, 16QAM, BW 20MHz) 1M11G7D (LTE Band 4, QPSK, BW 1.4MHz) 1M10W7D (LTE Band 4, 16QAM, BW 1.4MHz) 2M71G7D (LTE Band 4, QPSK, BW 3MHz) 2M70W7D (LTE Band 4, 16QAM, BW 3MHz) 4M54G7D (LTE Band 4, QPSK, BW 5MHz) 4M53W7D (LTE Band 4, 16QAM, BW 5MHz) 9M00G7D (LTE Band 4, QPSK, BW 10MHz) 9M01W7D (LTE Band 4, 16QAM, BW 10MHz) 13M54G7D (LTE Band 4, QPSK, BW 15MHz) 13M52W7D (LTE Band 4, 16QAM, BW 15MHz) 17M97G7D (LTE Band 4, QPSK, BW 20MHz) 17M95W7D (LTE Band 4, 16QAM, BW 20MHz) 4M54G7D (LTE Band 7, QPSK, BW 5MHz) 4M55W7D (LTE Band 7, 16QAM, BW 5MHz) 9M02G7D (LTE Band 7, QPSK, BW 10MHz) 9M03W7D (LTE Band 7, 16QAM, BW 10MHz) 13M53G7D (LTE Band 7, QPSK, BW 15MHz) 13M52W7D (LTE Band 7, 16QAM, BW 15MHz) 18M01G7D (LTE Band 7, QPSK, BW 20MHz) 18M00W7D (LTE Band 7, 16QAM, BW 20MHz) 1M09G7D (LTE Band 12, QPSK, BW 1.4MHz) 1M10W7D (LTE Band 12, 16QAM, BW 1.4MHz) 2M69G7D (LTE Band 12, QPSK, BW 3MHz) 2M69W7D (LTE Band 12, 16QAM, BW 3MHz) 4M50G7D (LTE Band 12, QPSK, BW 5MHz) 4M49W7D (LTE Band 12, 16QAM, BW 5MHz) 8M99G7D (LTE Band 12, QPSK, BW 10MHz)
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	8M99W7D (LTE Band 12, 16QAM, BW 10MHz) 4M50G7D (LTE Band 17, QPSK, BW 5MHz) 4M49W7D (LTE Band 17, 16QAM, BW 5MHz) 8M98G7D (LTE Band 17, QPSK, BW 10MHz) 8M99W7D (LTE Band 17, 16QAM, BW 10MHz)	
Antenna Type:	PIFA Antenna	
Antenna Gain:	0.49 dBi	
Operating voltage:	Normal(NV):	3.8V
	Lowest(LV):	3.6V
	Highest(HV):	4.35V

Note 1: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.



1.3. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 24 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 24	Personal Communications Services
3	47 CFR Part 27	Miscellaneous Wireless Communications Services

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

Section	Description	Test Date	Test Engineer	Result
2.1046	Transmitter Conducted Output Power	Mar 15, 2018	Li Jingzong	PASS
2.1049	Occupied Bandwidth	Feb 07, 2018	Li Jingzong	PASS
2.1055, 24.235, 27.54	Frequency Stability	Feb 07, 2018	Li Jingzong	PASS
24.232(d), 27.50(d)(5)	Peak to Average Ratio	Feb 07, 2018 May 09, 2018	Li Jingzong	PASS
2.1051, 24.238, 27.53(g)(h), 27.53(m)(4)	Conducted Spurious Emissions	Feb 13, 2018	Li Jingzong	PASS
2.1051, 24.238, 27.53(g)(h), 27.53(m)(4)	Band Edge	Feb 13, 2018 May 09, 2018	Li Jingzong	PASS
24.232(c), 27.50(c)(10) 27.50(d)(4), 27.50(h)(2)	Equivalent Isotropic Radiated Power	Mar 15, 2018	Wu Zhongwen	PASS
2.1051, 24.238, 27.53(g)(h), 27.53(m)(4)	Radiated Spurious Emissions	Jan 14, 2017	Wu Zhongwen	PASS
Note: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 (Oct 27, 2017) and ANSI/TIA-603-E-2016.				

1.4. Environmental 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

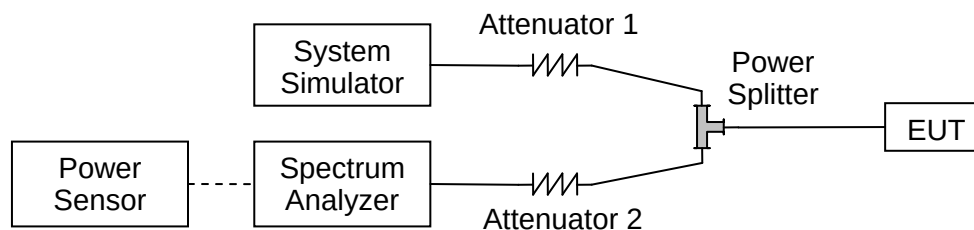
2. 47 CFR Part 2, Part 24E & 27 Requirements

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



The EUT 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.

2.1.3. Test procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

2.1.4. Result



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 2	20MHz	L 18700	1860	QPSK	1	0	19.25
					1	49	18.99
					1	99	18.93
					50	0	18.98
					50	25	18.36
					50	49	18.65
					100	0	18.66
				16-QAM	1	0	18.40
					1	49	18.10
					1	99	18.25
					50	0	17.04
					50	25	16.88
					50	49	16.93
					100	0	16.96
		M 18900	1880	QPSK	1	0	19.21
					1	49	18.90
					1	99	18.69
					50	0	18.98
					50	25	18.95
					50	49	19.11
					100	0	18.92
				16-QAM	1	0	18.48
					1	49	18.44
					1	99	17.99
					50	0	16.93
					50	25	16.80
					50	49	16.74
					100	0	16.85
		H 19100	1900	QPSK	1	0	18.83
					1	49	18.36
					1	99	18.32
					50	0	18.63
					50	25	18.27
					50	49	17.99
					100	0	18.69
				16-QAM	1	0	18.11
					1	49	18.23
					1	99	17.34
					50	0	16.68
					50	25	16.57
					50	49	16.47
					100	0	16.56



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 2	15MHz	L 18675	1857.5	QPSK	1	0	18.93
					1	37	18.56
					1	74	18.31
					36	0	18.03
					36	18	18.25
					36	35	17.55
					75	0	18.99
				16-QAM	1	0	18.16
					1	37	18.43
					1	74	18.03
					36	0	16.95
					36	18	16.88
					36	35	16.92
					75	0	16.96
		M 18900	1880	QPSK	1	0	19.03
					1	37	19.02
					1	74	18.36
					36	0	18.57
					36	18	18.24
					36	35	18.59
					75	0	18.88
				16-QAM	1	0	18.47
					1	37	18.13
					1	74	18.01
					36	0	16.82
					36	18	16.74
					36	35	16.67
					75	0	16.81
		H 19125	1902.5	QPSK	1	0	18.99
					1	37	18.65
					1	74	18.81
					36	0	18.38
					36	18	18.36
					36	35	18.31
					75	0	18.61
				16-QAM	1	0	18.29
					1	37	17.93
					1	74	17.32
					36	0	16.58
					36	18	16.43
					36	35	16.35
					75	0	16.47



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 2	10MHz	L 18650	1855	QPSK	1	0	18.87
					1	24	18.98
					1	49	19.00
					25	0	18.9
					25	12	18.36
					25	24	18.35
					50	0	18.64
				16-QAM	1	0	17.91
					1	24	17.99
					1	49	18.13
					25	0	16.93
					25	12	16.80
					25	24	16.83
					50	0	16.85
		M 18900	1880	QPSK	1	0	18.76
					1	24	18.66
					1	49	18.84
					25	0	18.88
					25	12	18.15
					25	24	18.45
					50	0	18.57
				16-QAM	1	0	17.63
					1	24	18.06
					1	49	17.90
					25	0	16.84
					25	12	16.72
					25	24	16.73
					50	0	16.78
		H 19150	1905	QPSK	1	0	18.35
					1	24	18.25
					1	49	18.63
					25	0	18.31
					25	12	18.20
					25	24	18.87
					50	0	18.12
				16-QAM	1	0	17.77
					1	24	17.67
					1	49	17.33
					25	0	16.47
					25	12	16.3
					25	24	16.24
					50	0	16.41



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 2	5MHz	L 18625	1852.5	QPSK	1	0	18.81
					1	12	18.10
					1	24	18.51
					12	0	18.35
					12	6	18.18
					12	11	18.24
					25	0	18.29
				16-QAM	1	0	17.83
					1	12	18.40
					1	24	17.71
					12	0	16.95
					12	6	16.83
					12	11	16.88
					25	0	16.80
		M 18900	1880	QPSK	1	0	18.63
					1	12	18.35
					1	24	18.43
					12	0	18.86
					12	6	18.85
					12	11	18.74
					25	0	18.76
				16-QAM	1	0	17.81
					1	12	17.84
					1	24	17.57
					12	0	16.73
					12	6	16.75
					12	11	16.70
					25	0	16.69
		H 19175	1907.5	QPSK	1	0	18.18
					1	12	17.87
					1	24	17.88
					12	0	18.57
					12	6	17.99
					12	11	18.05
					25	0	18.36
				16-QAM	1	0	17.28
					1	12	17.40
					1	24	16.95
					12	0	16.37
					12	6	16.16
					12	11	16.19
					25	0	16.27



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 2	3MHz	L 18615	1851.5	QPSK	1	0	19.01
					1	7	18.32
					1	14	18.15
					8	0	18.24
					8	4	18.26
					8	7	18.54
					15	0	18.27
				16-QAM	1	0	18.20
					1	7	18.20
					1	14	18.08
					8	0	16.83
					8	4	16.74
					8	7	16.85
					15	0	16.77
		M 18900	1880	QPSK	1	0	18.65
					1	7	18.69
					1	14	18.57
					8	0	18.75
					8	4	18.73
					8	7	18.21
					15	0	17.20
				16-QAM	1	0	18.06
					1	7	17.96
					1	14	17.78
					8	0	16.71
					8	4	16.72
					8	7	16.66
					15	0	16.79
		H 19185	1908.5	QPSK	1	0	18.36
					1	7	18.22
					1	14	18.66
					8	0	18.74
					8	4	18.73
					8	7	18.48
					15	0	18.57
				16-QAM	1	0	17.45
					1	7	17.41
					1	14	17.50
					8	0	16.26
					8	4	16.14
					8	7	16.33
					15	0	16.16



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 2	1.4MHz	L 18607	1850.7	QPSK	1	0	18.52
					1	2	18.25
					1	5	18.22
					3	0	18.14
					3	1	18.45
					3	2	18.25
					6	0	18.29
				16-QAM	1	0	17.75
					1	2	18.18
					1	5	17.70
					3	0	17.99
					3	1	17.90
					3	2	17.95
					6	0	16.9
		M 18900	1880	QPSK	1	0	18.51
					1	2	18.76
					1	5	18.55
					3	0	18.54
					3	1	18.17
					3	2	18.32
					6	0	18.76
				16-QAM	1	0	17.45
					1	2	17.99
					1	5	17.69
					3	0	17.65
					3	2	17.80
					3	5	17.87
					6	0	16.65
		H 19193	1909.3	QPSK	1	0	17.85
					1	2	17.65
					1	5	18.05
					3	0	18.36
					3	1	18.25
					3	2	17.69
					6	0	17.98
				16-QAM	1	0	17.24
					1	2	17.26
					1	5	16.89
					3	0	17.14
					3	1	17.28
					3	2	17.10
					6	0	16.16



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 4	20MHz	L 20050	1720.0	QPSK	1	0	19.39
					1	49	19.21
					1	99	18.96
					50	0	19.17
					50	25	19.11
					50	49	19.31
					100	0	19.15
				16-QAM	1	0	18.76
					1	49	18.16
					1	99	17.72
					50	0	17.14
					50	25	16.90
					50	49	16.86
					100	0	16.98
		M 20175	1732.5	QPSK	1	0	19.10
					1	49	18.89
					1	99	19.05
					50	0	19.02
					50	25	18.88
					50	49	19.05
					100	0	18.97
				16-QAM	1	0	18.12
					1	49	18.20
					1	99	17.92
					50	0	17.00
					50	25	16.83
					50	49	16.87
					100	0	16.9
		H 20300	1745.0	QPSK	1	0	18.25
					1	49	18.36
					1	99	18.71
					50	0	18.81
					50	25	18.69
					50	49	18.77
					100	0	18.64
				16-QAM	1	0	18.28
					1	49	18.68
					1	99	17.83
					50	0	17.10
					50	25	16.99
					50	49	17.00
					100	0	17.04



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 4	15MHz	L 20025	1717.5	QPSK	1	0	18.66
					1	37	18.52
					1	74	18.59
					36	0	18.69
					36	18	18.99
					36	35	19.04
					75	0	18.47
				16-QAM	1	0	18.77
					1	37	18.5
					1	74	17.82
					36	0	17.03
					36	18	17.03
					36	35	16.87
					75	0	16.99
		M 20175	1732.5	QPSK	1	0	18.68
					1	37	18.65
					1	74	18.05
					36	0	18.36
					36	18	18.37
					36	35	18.34
					75	0	18.53
				16-QAM	1	0	18.39
					1	37	18.22
					1	74	18.03
					36	0	16.87
					36	18	16.88
					36	35	16.85
					75	0	16.82
		H 20325	1747.5	QPSK	1	0	18.68
					1	37	18.65
					1	74	18.55
					36	0	18.45
					36	18	18.54
					36	35	18.78
					75	0	18.68
				16-QAM	1	0	18.64
					1	37	18.42
					1	74	17.72
					36	0	17.05
					36	18	17.01
					36	35	16.88
					75	0	16.99



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 4	10MHz	L 20000	1715.0	QPSK	1	0	18.99
					1	24	19.01
					1	49	18.86
					25	0	19.16
					25	12	18.98
					25	24	18.98
					50	0	18.68
				16-QAM	1	0	18.40
					1	24	17.91
					1	49	18.18
					25	0	17.05
					25	12	16.91
					25	24	16.93
					50	0	17.00
		M 20175	1732.5	QPSK	1	0	18.74
					1	24	18.77
					1	49	18.88
					25	0	18.93
					25	12	18.25
					25	24	18.57
					50	0	18.75
				16-QAM	1	0	17.93
					1	24	17.93
					1	49	17.82
					25	0	16.84
					25	12	16.74
					25	24	16.72
					50	0	16.84
		H 20350	1750.0	QPSK	1	0	18.75
					1	24	18.66
					1	49	18.81
					25	0	18.33
					25	12	18.81
					25	24	18.52
					50	0	18.51
				16-QAM	1	0	17.78
					1	24	18.31
					1	49	17.86
					25	0	16.94
					25	12	16.95
					25	24	16.80
					50	0	16.85



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 4	5MHz	L 19975	1712.5	QPSK	1	0	18.95
					1	12	18.69
					1	24	18.44
					12	0	19.12
					12	6	18.63
					12	11	18.68
					25	0	18.77
				16-QAM	1	0	18.20
					1	12	18.27
					1	24	17.55
					12	0	17.20
					12	6	16.94
					12	11	16.97
					25	0	16.97
		M 20175	1732.5	QPSK	1	0	18.64
					1	12	18.88
					1	24	18.54
					12	0	18.81
					12	6	18.65
					12	11	18.76
					25	0	18.67
				16-QAM	1	0	17.54
					1	12	18.19
					1	24	17.50
					12	0	16.80
					12	6	16.70
					12	11	16.63
					25	0	16.70
		H 20375	1752.5	QPSK	1	0	18.22
					1	12	18.24
					1	24	18.14
					12	0	18.21
					12	6	18.32
					12	11	18.53
					25	0	18.34
				16-QAM	1	0	17.99
					1	12	17.86
					1	24	17.57
					12	0	16.78
					12	6	16.69
					12	11	16.54
					25	0	16.60



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 4	3MHz	L 19965	1711.5	QPSK	1	0	18.32
					1	7	18.25
					1	14	18.62
					8	0	18.66
					8	4	18.16
					8	7	18.18
					15	0	18.34
				16-QAM	1	0	18.16
					1	7	18.45
					1	14	18.29
					8	0	17.12
					8	4	16.87
					8	7	16.92
					15	0	17.17
		M 20175	1732.5	QPSK	1	0	18.65
					1	7	18.25
					1	14	18.54
					8	0	18.66
					8	4	18.69
					8	7	18.46
					15	0	18.27
				16-QAM	1	0	17.93
					1	7	17.94
					1	14	17.80
					8	0	16.75
					8	4	16.77
					8	7	16.65
					15	0	16.78
		H 20385	1753.5	QPSK	1	0	18.68
					1	7	18.84
					1	14	18.45
					8	0	18.57
					8	4	18.63
					8	7	18.25
					15	0	18.57
				16-QAM	1	0	18.04
					1	7	17.57
					1	14	17.90
					8	0	16.70
					8	4	16.45
					8	7	16.39
					15	0	16.70



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 4	1.4MHz	L 19957	1710.7	QPSK	1	0	18.73
					1	2	18.98
					1	5	18.81
					3	0	18.72
					3	1	18.63
					3	2	18.58
					6	0	19.16
				16-QAM	1	0	17.97
					1	2	18.55
					1	5	18.04
					3	0	18.11
					3	1	18.27
					3	2	18.15
					6	0	17.10
		M 20175	1732.5	QPSK	1	0	18.38
					1	2	18.40
					1	5	18.52
					3	0	18.41
					3	1	18.62
					3	2	18.12
					6	0	18.83
				16-QAM	1	0	17.50
					1	2	17.84
					1	5	17.91
					3	0	17.80
					3	2	17.85
					3	5	17.80
					6	0	16.81
		H 20393	1754.3	QPSK	1	0	18.56
					1	2	18.26
					1	5	18.31
					3	0	18.36
					3	1	18.67
					3	2	18.55
					6	0	18.63
				16-QAM	1	0	17.32
					1	2	17.70
					1	5	17.64
					3	0	17.63
					3	1	17.68
					3	2	17.64
					6	0	16.53



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 7	20MHz	L 20850	2510	QPSK	1	0	20.42
					1	49	20.05
					1	99	20.16
					50	0	20.32
					50	25	20.31
					50	49	20.24
					100	0	20.32
				16-QAM	1	0	19.37
					1	49	19.39
					1	99	19.34
					50	0	18.22
					50	25	18.05
					50	49	18.10
					100	0	18.16
		M 21100	2535	QPSK	1	0	20.72
					1	49	20.35
					1	99	20.57
					50	0	20.6
					50	25	20.13
					50	49	20.30
					100	0	20.41
				16-QAM	1	0	19.66
					1	49	19.80
					1	99	19.82
					50	0	18.61
					50	25	18.55
					50	49	18.51
					100	0	18.55
		H 21350	2560	QPSK	1	0	21.25
					1	49	20.69
					1	99	20.36
					50	0	20.88
					50	25	20.38
					50	49	20.87
					100	0	20.79
				16-QAM	1	0	20.47
					1	49	20.26
					1	99	19.13
					50	0	18.98
					50	25	18.66
					50	49	18.51
					100	0	18.71



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 7	15MHz	L 20825	2507.5	QPSK	1	0	20.12
					1	37	20.23
					1	74	20.11
					36	0	20.3
					36	18	20.31
					36	35	20.54
					75	0	20.42
				16-QAM	1	0	19.26
					1	37	19.43
					1	74	19.26
					36	0	18.18
					36	18	18.07
					36	35	18.09
					75	0	18.14
		M 21100	2535	QPSK	1	0	20.15
					1	37	20.18
					1	74	20.16
					36	0	20.45
					36	18	20.57
					36	35	20.58
					75	0	20.75
				16-QAM	1	0	19.90
					1	37	19.80
					1	74	19.49
					36	0	18.56
					36	18	18.57
					36	35	18.54
					75	0	18.56
		H 21375	2562.5	QPSK	1	0	20.68
					1	37	20.66
					1	74	20.10
					36	0	20.35
					36	18	20.78
					36	35	20.98
					75	0	20.45
				16-QAM	1	0	20.31
					1	37	19.84
					1	74	19.24
					36	0	18.72
					36	18	18.59
					36	35	18.35
					75	0	18.55



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 7	10MHz	L 20800	2505	QPSK	1	0	20.36
					1	24	20.30
					1	49	20.57
					25	0	20.17
					25	12	20.58
					25	24	20.60
					50	0	20.34
				16-QAM	1	0	19.38
					1	24	19.36
					1	49	19.27
					25	0	18.21
					25	12	18.08
					25	24	18.08
					50	0	18.20
		M 21100	2535	QPSK	1	0	20.12
					1	24	20.11
					1	49	20.32
					25	0	20.31
					25	12	20.15
					25	24	20.14
					50	0	20.36
				16-QAM	1	0	19.65
					1	24	19.55
					1	49	19.82
					25	0	18.54
					25	12	18.49
					25	24	18.44
					50	0	18.55
		H 21400	2565	QPSK	1	0	20.55
					1	24	20.65
					1	49	20.61
					25	0	20.51
					25	12	20.15
					25	24	20.38
					50	0	20.67
				16-QAM	1	0	19.65
					1	24	19.55
					1	49	19.82
					25	0	18.54
					25	12	18.49
					25	24	18.44
					50	0	18.55



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 7	5MHz	L 20775	2502.5	QPSK	1	0	20.09
					1	12	19.88
					1	24	19.87
					12	0	19.86
					12	6	19.96
					12	11	20.01
					25	0	20.15
				16-QAM	1	0	19.27
					1	12	19.68
					1	24	19.01
					12	0	18.31
					12	6	18.25
					12	11	18.20
					25	0	18.17
		M 21100	2535	QPSK	1	0	20.40
					1	12	20.12
					1	24	20.25
					12	0	20.60
					12	6	20.35
					12	11	20.11
					25	0	20.34
				16-QAM	1	0	19.50
					1	12	19.88
					1	24	19.10
					12	0	18.56
					12	6	18.50
					12	11	18.49
					25	0	18.51
		H 21425	2567.5	QPSK	1	0	20.35
					1	12	19.99
					1	24	19.93
					12	0	20.10
					12	6	20.15
					12	11	20.22
					25	0	20.19
				16-QAM	1	0	19.36
					1	12	19.69
					1	24	19.05
					12	0	18.40
					12	6	18.29
					12	11	18.27
					25	0	18.29



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 12	10MHz	L 23060	704	QPSK	1	0	21.89
					1	24	21.77
					1	49	21.73
					25	0	21.63
					25	12	21.68
					25	24	21.10
					50	0	21.04
				16-QAM	1	0	20.92
					1	24	21.20
					1	49	20.95
					25	0	19.99
					25	12	19.84
					25	24	19.73
					50	0	19.88
		M 23095	707.5	QPSK	1	0	21.82
					1	24	21.55
					1	49	21.67
					25	0	21.97
					25	12	21.85
					25	24	21.87
					50	0	21.66
				16-QAM	1	0	20.74
					1	24	21.07
					1	49	20.5
					25	0	19.89
					25	12	19.68
					25	24	19.59
					50	0	19.75
		H 23130	711	QPSK	1	0	21.57
					1	24	21.55
					1	49	21.81
					25	0	21.65
					25	12	21.50
					25	24	21.12
					50	0	21.33
				16-QAM	1	0	20.52
					1	24	20.70
					1	49	20.91
					25	0	19.6
					25	12	19.64
					25	24	19.48
					50	0	19.59



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 12	5MHz	L 23035	701.5	QPSK	1	0	21.88
					1	12	21.21
					1	24	21.70
					12	0	21.12
					12	6	21.33
					12	11	21.34
					25	0	21.54
				16-QAM	1	0	20.88
					1	12	21.38
					1	24	21.01
					12	0	20.04
					12	6	20.01
					12	11	19.95
					25	0	19.92
		M 23095	707.5	QPSK	1	0	21.67
					1	12	21.50
					1	24	21.31
					12	0	21.87
					12	6	21.12
					12	11	21.57
					25	0	21.36
				16-QAM	1	0	20.90
					1	12	21.04
					1	24	20.58
					12	0	19.95
					12	6	19.69
					12	11	19.65
					25	0	19.63
		H 23155	713.5	QPSK	1	0	21.18
					1	12	21.56
					1	24	21.24
					12	0	21.02
					12	6	21.1
					12	11	21.51
					25	0	21.30
				16-QAM	1	0	20.42
					1	12	20.83
					1	24	20.31
					12	0	19.46
					12	6	19.47
					12	11	19.47
					25	0	19.39



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 12	3MHz	L 23025	700.5	QPSK	1	0	21.22
					1	7	21.50
					1	14	21.56
					8	0	21.36
					8	4	21.37
					8	7	21.64
					15	0	21.57
				16-QAM	1	0	21.41
					1	7	21.15
					1	14	21.37
					8	0	19.91
					8	4	19.88
					8	7	19.83
					15	0	20.01
		M 23095	707.5	QPSK	1	0	21.70
					1	7	21.56
					1	14	21.58
					8	0	21.35
					8	4	21.50
					8	7	21.30
					15	0	21.47
				16-QAM	1	0	21.13
					1	7	20.90
					1	14	21.01
					8	0	19.86
					8	4	19.75
					8	7	19.79
					15	0	19.74
		H 23165	714.5	QPSK	1	0	21.36
					1	7	21.58
					1	14	21.59
					8	0	21.47
					8	4	21.71
					8	7	21.34
					15	0	21.56
				16-QAM	1	0	20.65
					1	7	20.57
					1	14	20.99
					8	0	19.45
					8	4	19.34
					8	7	19.60
					15	0	19.51



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 12	1.4MHz	L 23017	699.7	QPSK	1	0	21.75
					1	2	21.55
					1	5	21.58
					3	0	21.48
					3	1	21.8
					3	2	21.36
					6	0	21.59
				16-QAM	1	0	20.72
					1	2	21.33
					1	5	20.74
					3	0	21.02
					3	1	20.97
					3	2	20.87
					6	0	19.89
		M 23095	707.5	QPSK	1	0	21.54
					1	2	21.60
					1	5	21.7
					3	0	21.64
					3	1	21.25
					3	2	21.78
					6	0	21.77
				16-QAM	1	0	20.60
					1	2	21.07
					1	5	20.68
					3	0	20.76
					3	2	20.80
					3	5	20.62
					6	0	19.748
		H 23173	715.3	QPSK	1	0	21.25
					1	2	21.10
					1	5	21.50
					3	0	21.52
					3	1	21.36
					3	2	21.38
					6	0	21.30
				16-QAM	1	0	20.29
					1	2	21.09
					1	5	20.46
					3	0	20.62
					3	1	20.58
					3	2	20.64
					6	0	19.57



Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 17	10MHz	L 23780	709	QPSK	1	0	21.07
					1	24	21.10
					1	49	21.34
					25	0	21.18
					25	12	21.07
					25	24	21.08
					50	0	21.20
				16-QAM	1	0	20.42
					1	24	20.38
					1	49	19.79
					25	0	19.12
					25	12	19.08
					25	24	18.99
					50	0	19.15
		M 23790	710	QPSK	1	0	21.04
					1	24	21.10
					1	49	21.31
					25	0	21.25
					25	12	21.11
					25	24	21.23
					50	0	21.21
				16-QAM	1	0	20.23
					1	24	20.41
					1	49	19.68
					25	0	19.11
					25	12	18.99
					25	24	19.01
					50	0	19.10
		H 23800	711	QPSK	1	0	20.30
					1	24	20.25
					1	49	20.75
					25	0	20.38
					25	12	20.63
					25	24	20.39
					50	0	20.31
				16-QAM	1	0	20.31
					1	24	20.17
					1	49	20.12
					25	0	19.05
					25	12	18.87
					25	24	18.73
					50	0	19.06



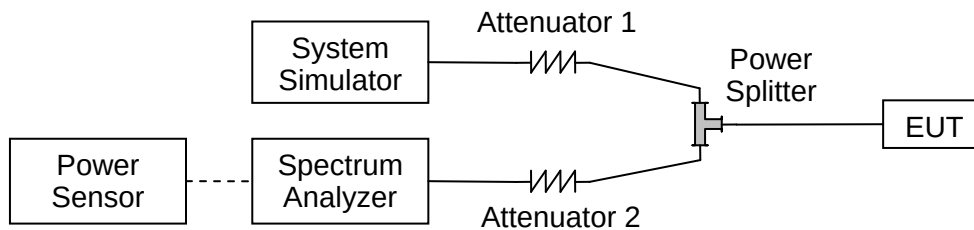
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		Average Power (dBm)
					RB Size	RB Offset	
LTE Band 17	5MHz	L 23755	706.5	QPSK	1	0	21.03
					1	12	21.3
					1	24	21.22
					12	0	21.23
					12	6	21.05
					12	11	21.00
					25	0	21.19
				16-QAM	1	0	20.19
					1	12	20.22
					1	24	19.81
					12	0	19.06
					12	6	19.03
					12	11	19.02
					25	0	19.01
		M 23790	710	QPSK	1	0	21.04
					1	12	21.05
					1	24	21.30
					12	0	21.21
					12	6	21.12
					12	11	21.24
					25	0	21.17
				16-QAM	1	0	19.87
					1	12	20.43
					1	24	19.91
					12	0	19.04
					12	6	19.07
					12	11	18.95
					25	0	19.06
		H 23825	713.5	QPSK	1	0	20.38
					1	12	20.65
					1	24	20.59
					12	0	20.42
					12	6	20.40
					12	11	20.65
					25	0	20.55
				16-QAM	1	0	19.86
					1	12	19.84
					1	24	19.91
					12	0	18.85
					12	6	18.56
					12	11	18.59
					25	0	18.67

2.2. Occupied Bandwidth

2.2.1. Requirement

According to FCC section 2.1049, 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



The EUT 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.

2.2.3. Test procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

2.2.4. Test Result

LTE Band 2, BW: 1.4MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
18607	1850.7	1.0981	1.279	1.0969	1.271
18900	1880.0	1.0958	1.281	1.0926	1.267
19192	1909.2	1.0890	1.252	1.0884	1.264

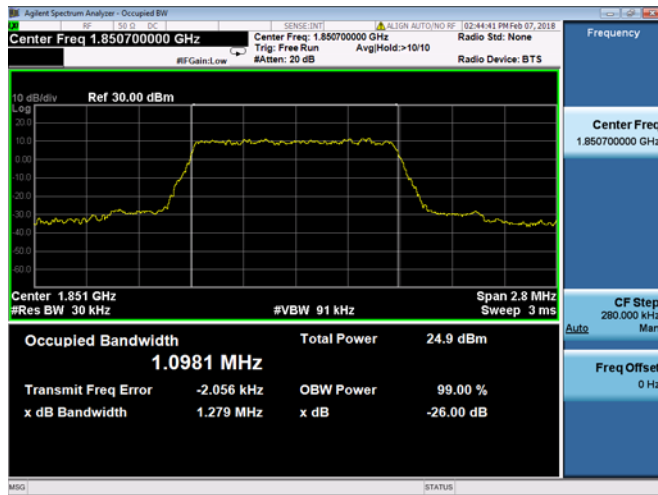


LTE Band 2, BW: 3MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
18615	1851.5	2.7048	2.980	2.6959	2.995
18900	1880.0	2.7154	2.995	2.7018	2.988
19184	1908.4	2.7117	2.989	2.7107	2.984
LTE Band 2, BW: 5MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
18625	1852.5	4.5347	5.065	4.5356	5.071
18900	1880.0	4.5447	5.083	4.5350	5.066
19175	1907.5	4.5207	5.039	4.5279	5.083
LTE Band 2, BW: 10MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
18650	1855.0	8.9984	9.985	8.9910	9.904
18900	1880.0	9.0019	9.962	8.9978	10.02
19150	1905.0	8.9828	9.924	8.9820	9.907
LTE Band 2, BW: 15MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
18675	1857.5	13.486	14.81	13.479	14.72
18900	1880.0	13.499	14.77	13.488	14.70
19125	1902.5	13.477	14.81	13.470	14.91
LTE Band 2, BW: 20MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
18700	1860.0	18.000	19.45	17.941	19.61
18900	1880.0	18.017	19.61	18.020	19.53
19100	1900.0	17.987	19.71	18.010	19.72

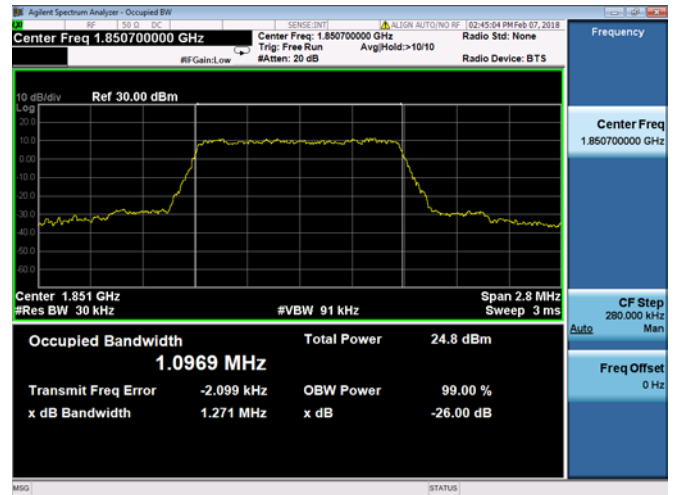


LTE Band 2 99%&26dB Bandwidth

1.4MHz/QPSK/Low CH



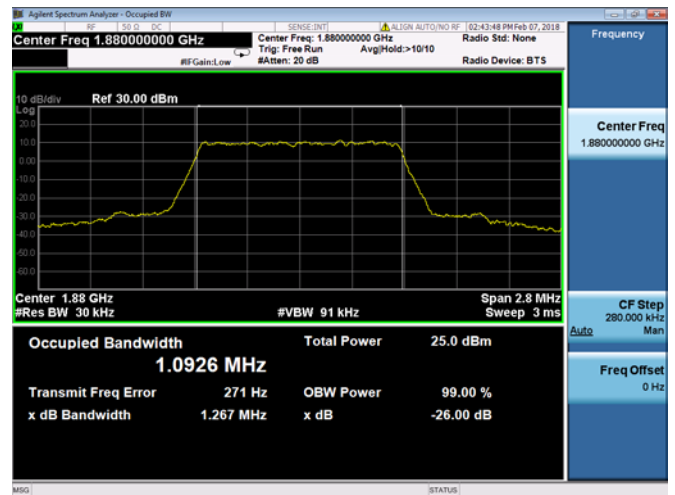
1.4MHz/16QAM/Low CH



1.4MHz/QPSK/Mid CH



1.4MHz/16QAM/Mid CH

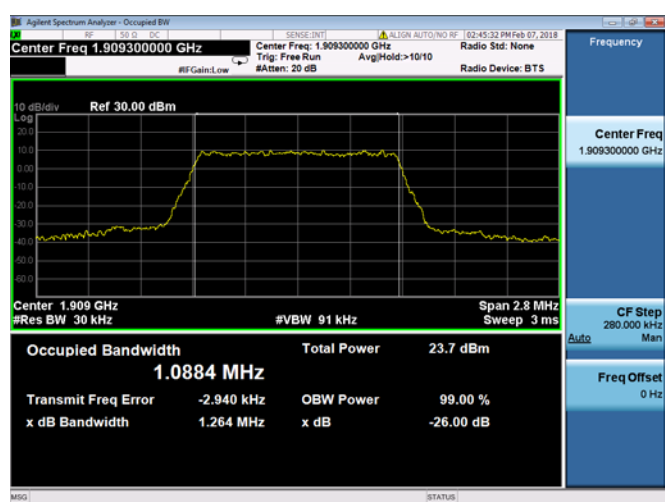




1.4MHz/QPSK/High CH

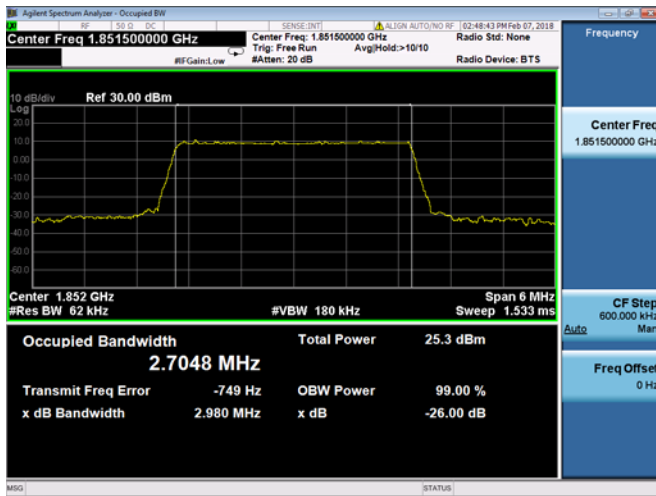


1.4MHz/16QAM/High CH

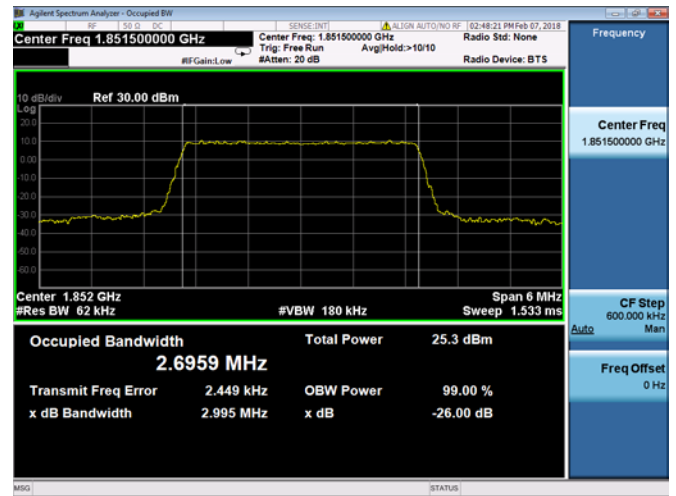




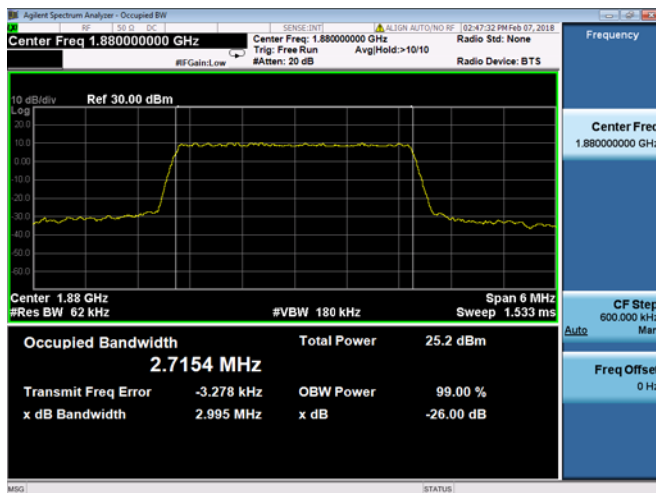
3MHz/QPSK/Low CH



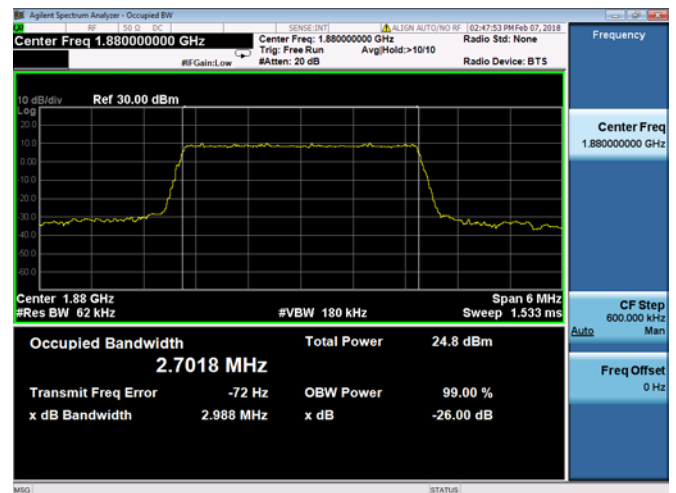
3MHz/16QAM/Low CH



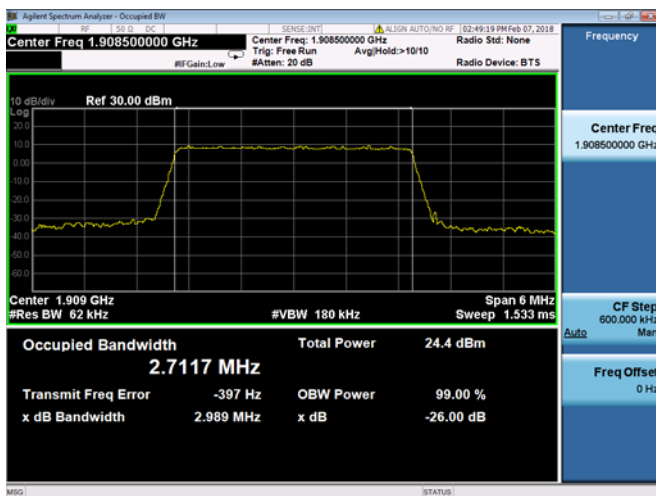
3MHz/QPSK/Mid CH



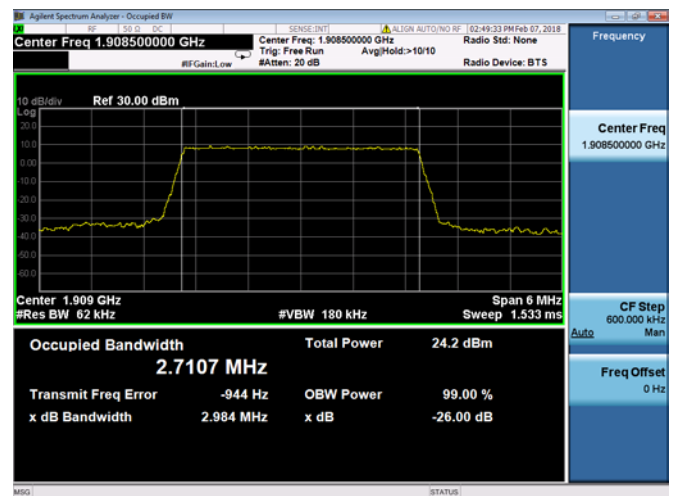
3MHz/16QAM/Mid CH



3MHz/QPSK/High CH

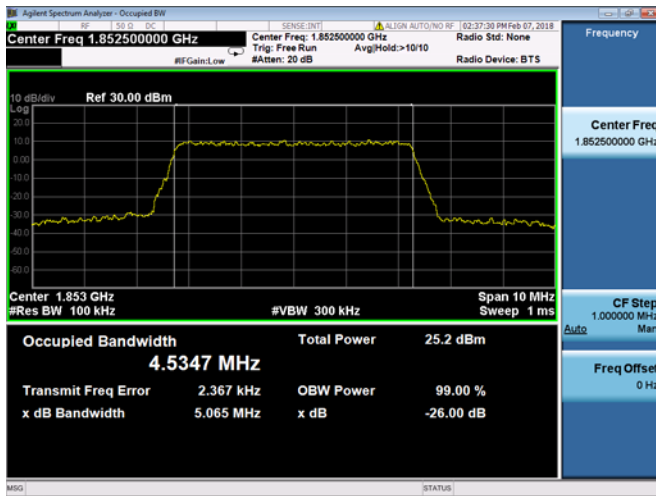


3MHz/16QAM/High CH

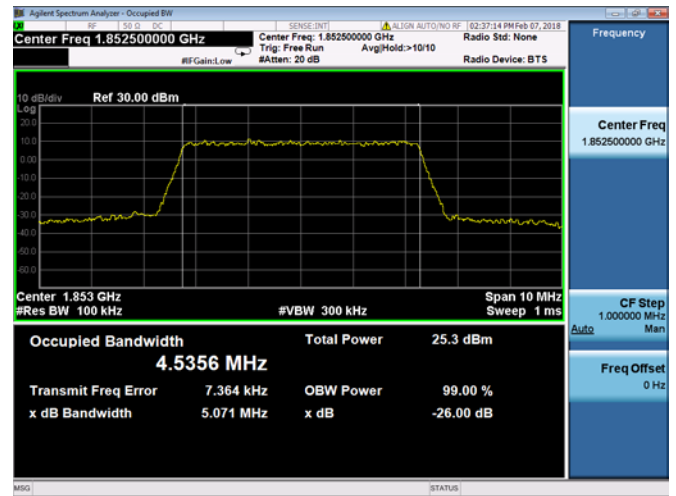




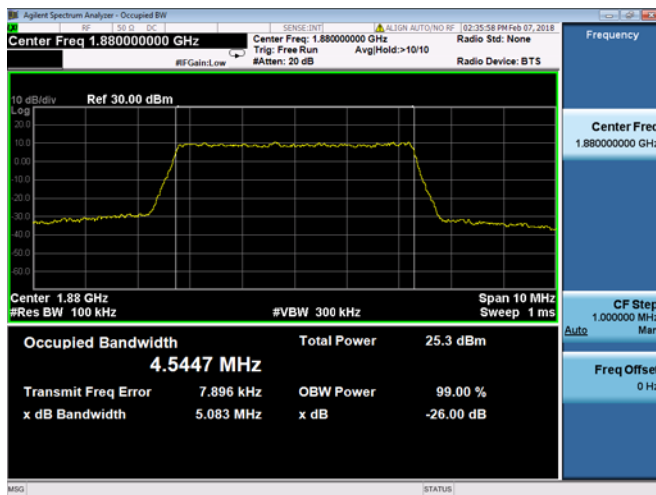
5MHz/QPSK/Low CH



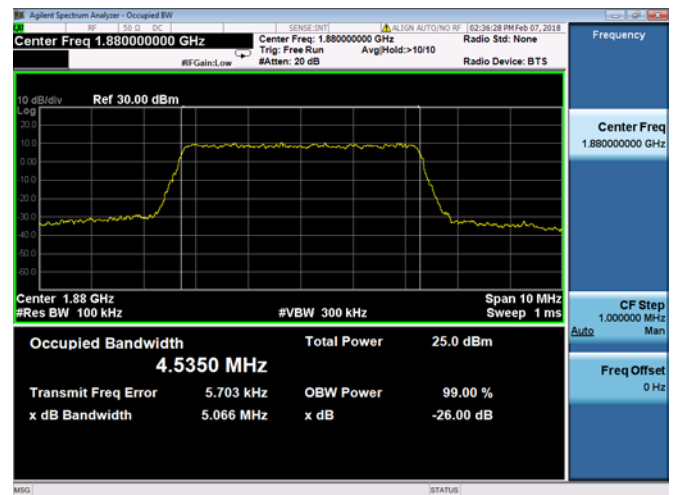
5MHz/16QAM/Low CH



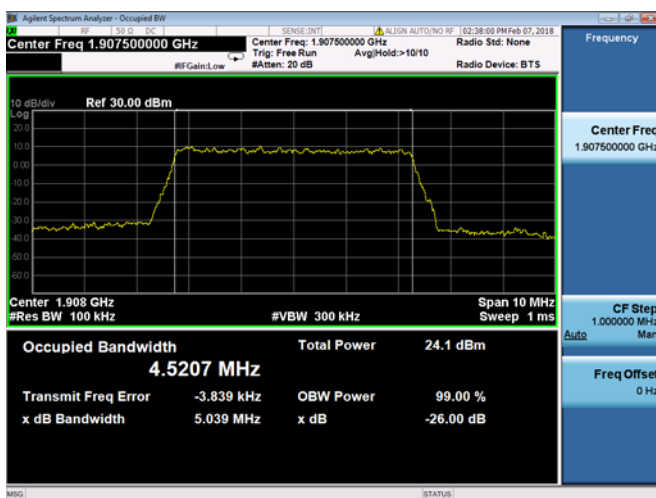
5MHz/QPSK/Mid CH



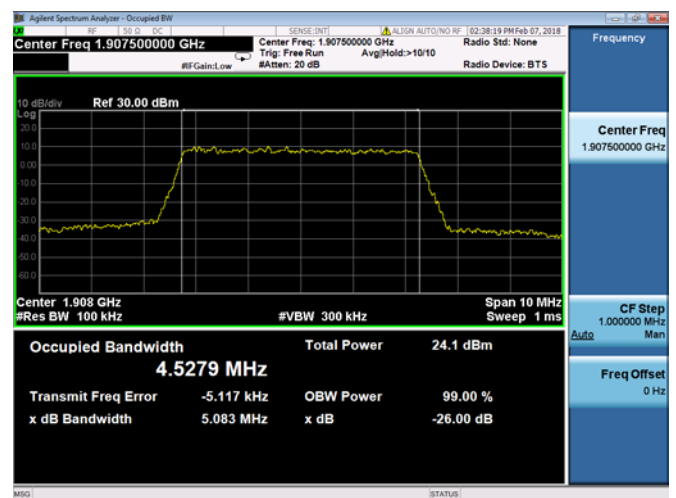
5MHz/16QAM/Mid CH



5MHz/QPSK/High CH

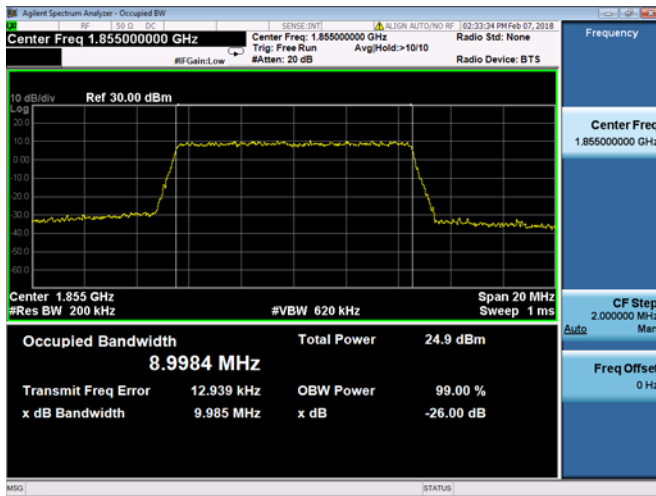


5MHz/16QAM/High CH

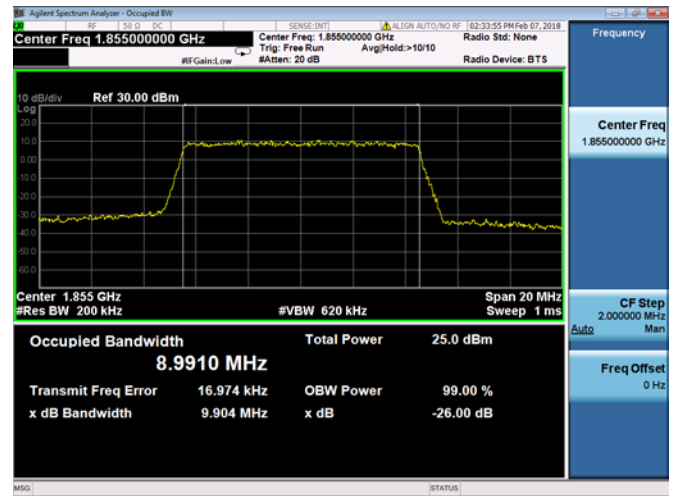




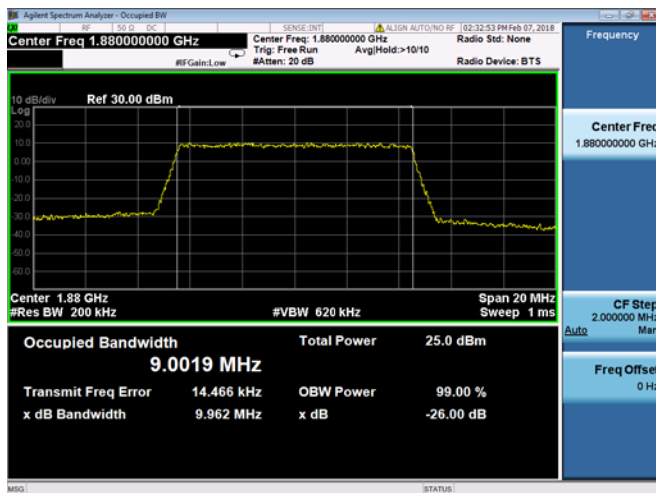
10MHz/QPSK/Low CH



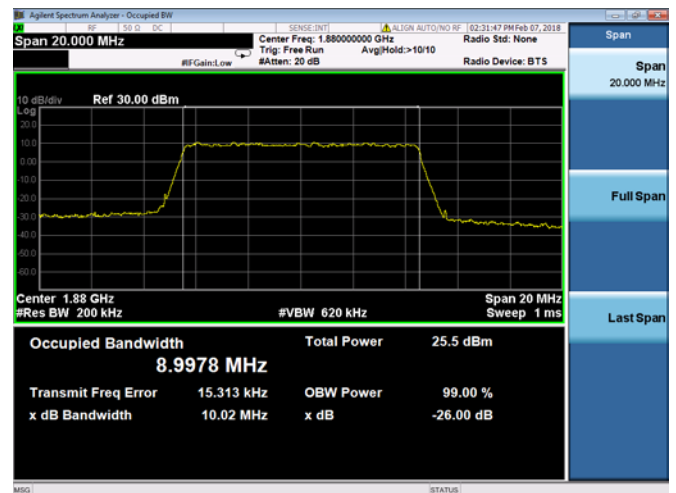
10MHz/16QAM/Low CH



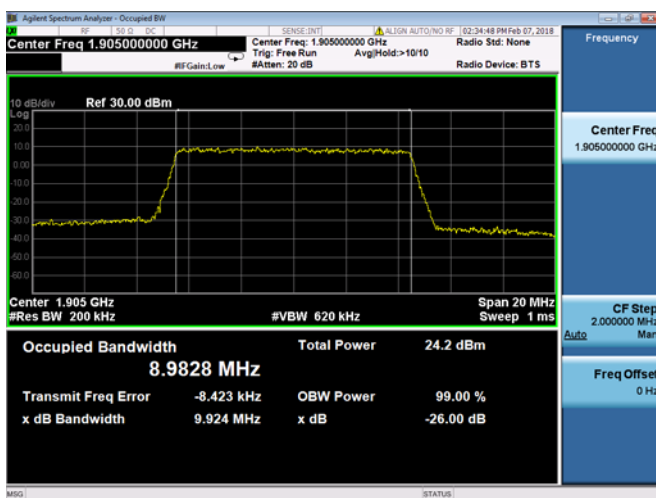
10MHz/QPSK/Mid CH



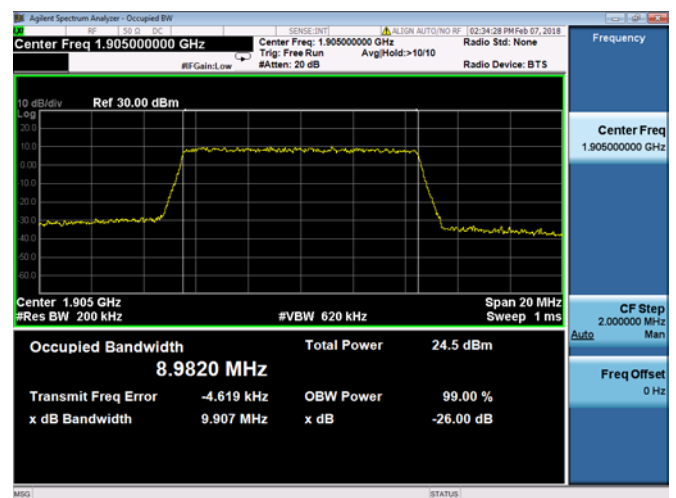
10MHz/16QAM/Mid CH



10MHz/QPSK/High CH

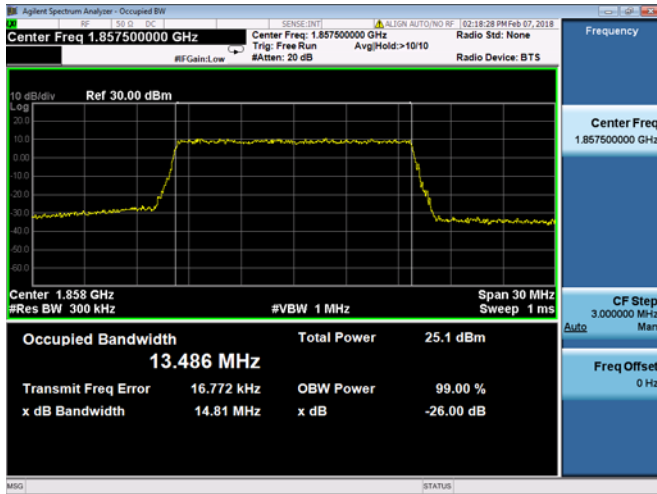


10MHz/16QAM/High CH

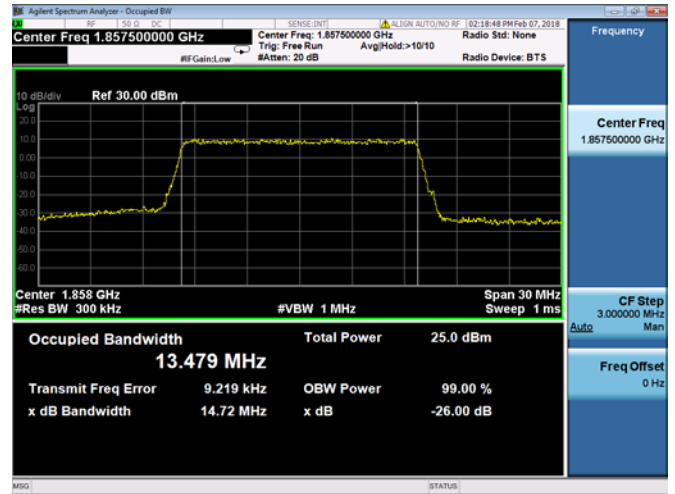




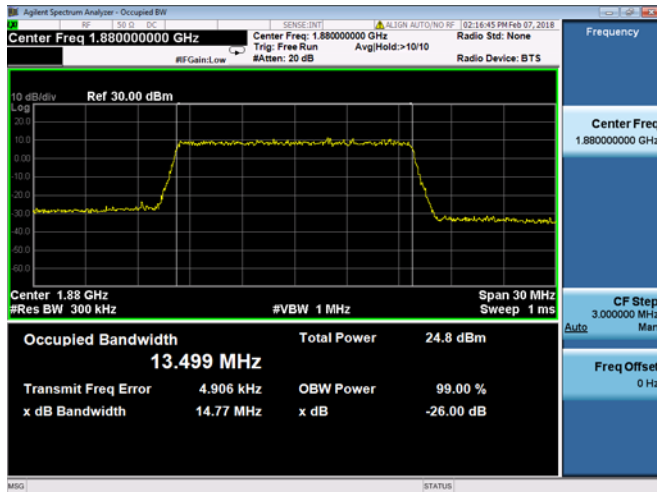
15MHz/QPSK/Low CH



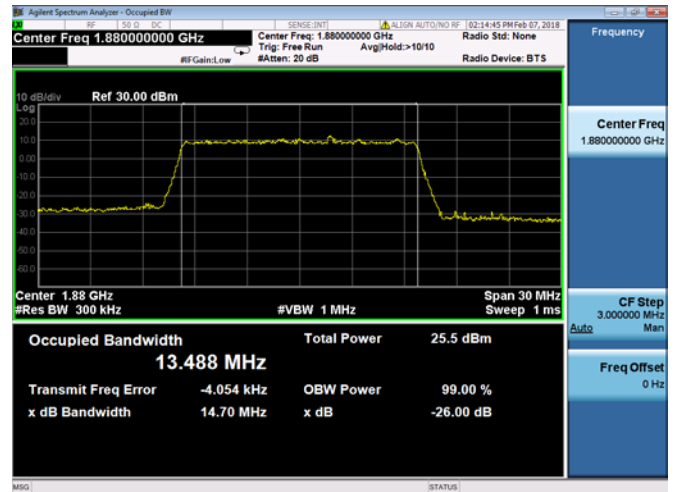
15MHz/16QAM/Low CH



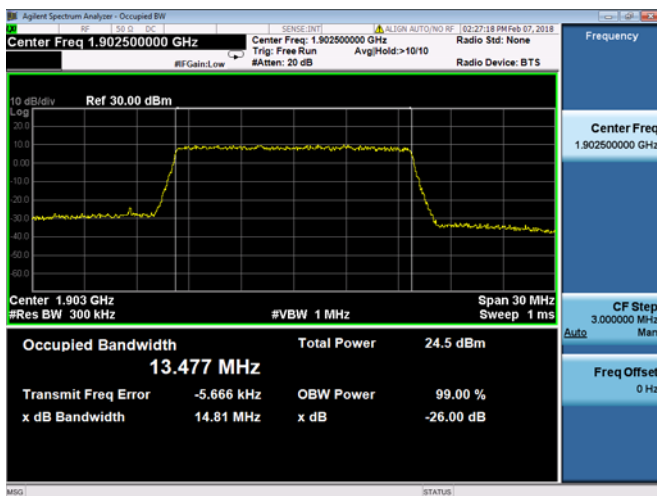
15MHz/QPSK/Mid CH



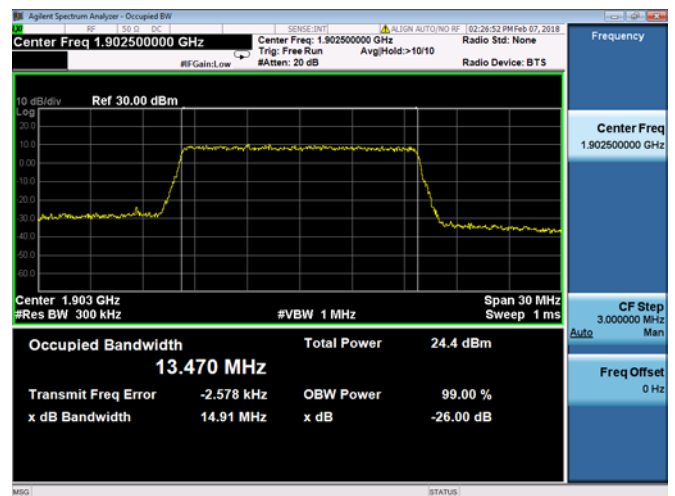
15MHz/16QAM/Mid CH



15MHz/QPSK/High CH

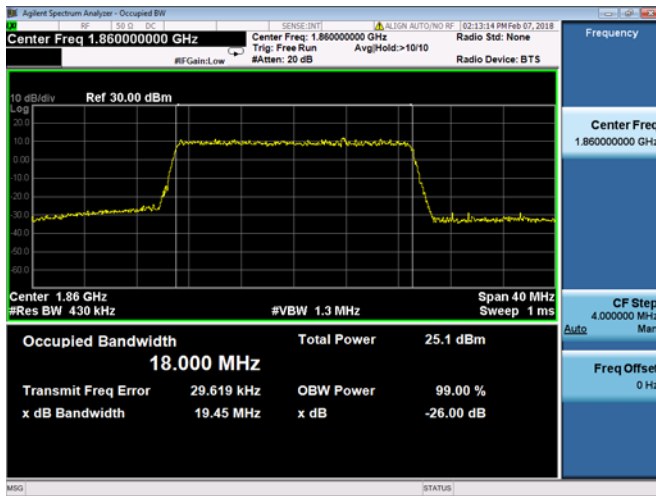


15MHz/16QAM/High CH

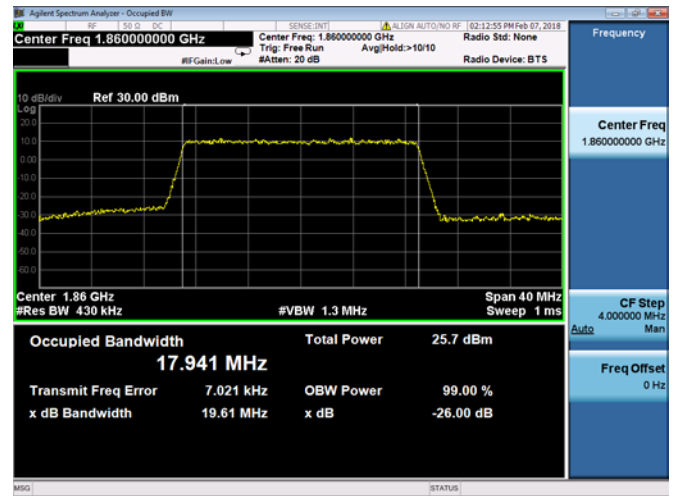




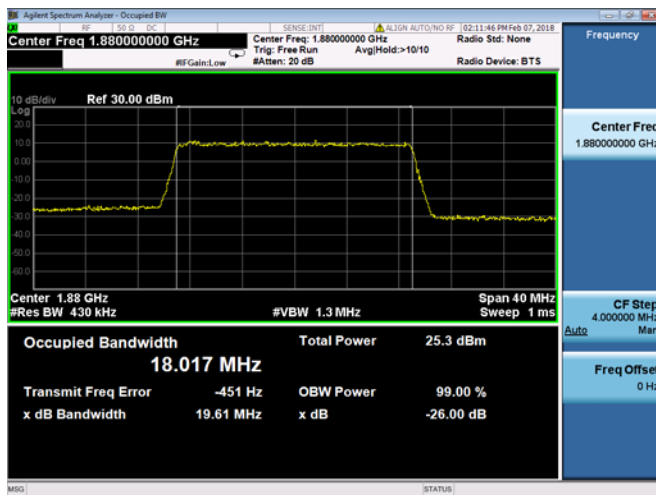
20MHz/QPSK/Low CH



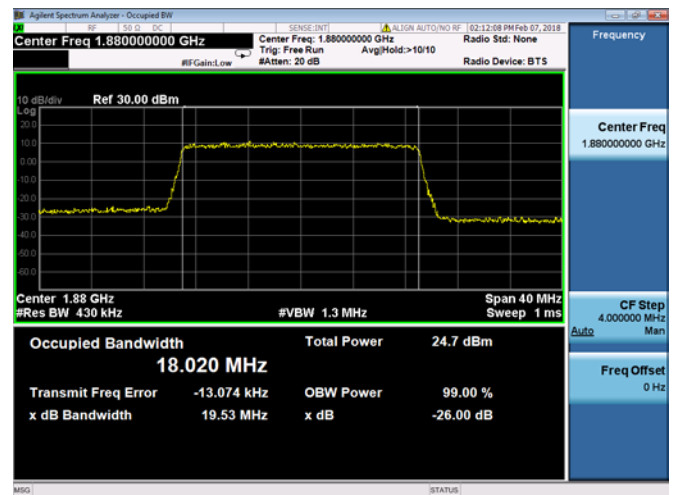
20MHz/16QAM/Low CH



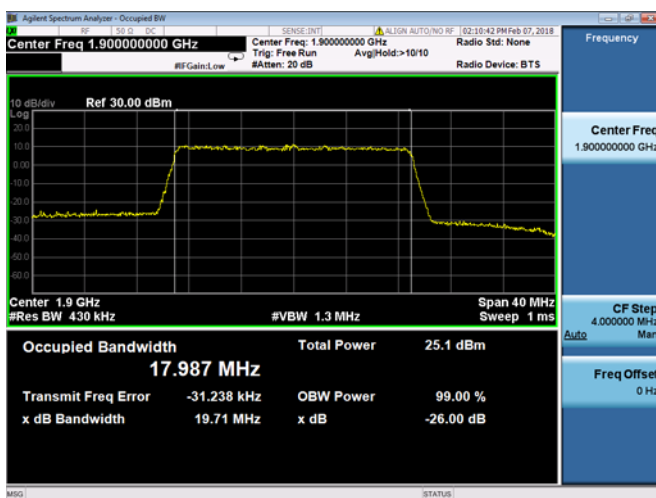
20MHz/QPSK/Mid CH



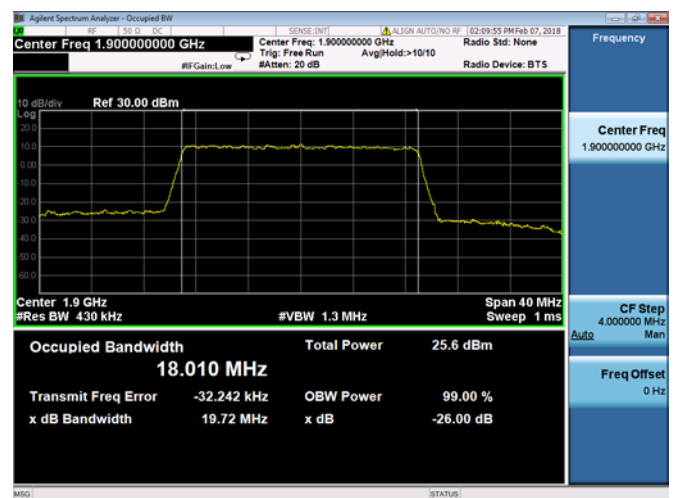
20MHz/16QAM/Mid CH



20MHz/QPSK/High CH



20MHz/16QAM/High CH





LTE Band 4, BW: 1.4MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
19957	1710.7	1.0993	1.261	1.0942	1.269
20175	1732.5	1.1107	1.280	1.0930	1.259
20392	1754.2	1.0915	1.267	1.0971	1.267
LTE Band 4, BW: 3MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
19965	1711.5	2.7103	2.969	2.7036	2.979
20175	1732.5	2.7092	2.983	2.7040	2.961
20384	1753.4	2.7048	2.952	2.7019	2.993
LTE Band 4, BW: 5MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
19975	1712.5	4.5308	4.985	4.5147	5.016
20175	1732.5	4.5431	5.095	4.5195	5.021
20375	1752.5	4.5255	5.076	4.5266	5.066
LTE Band 4, BW: 10MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
20000	1715.0	8.9907	9.914	9.0139	9.982
20175	1732.5	8.9973	9.980	9.0035	9.946
20350	1750.0	8.9847	9.963	9.0039	9.982
LTE Band 4, BW: 15MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
20025	1717.5	13.535	14.78	13.487	14.80
20175	1732.5	13.524	14.93	13.515	14.76
20325	1747.5	13.479	14.75	13.447	14.78

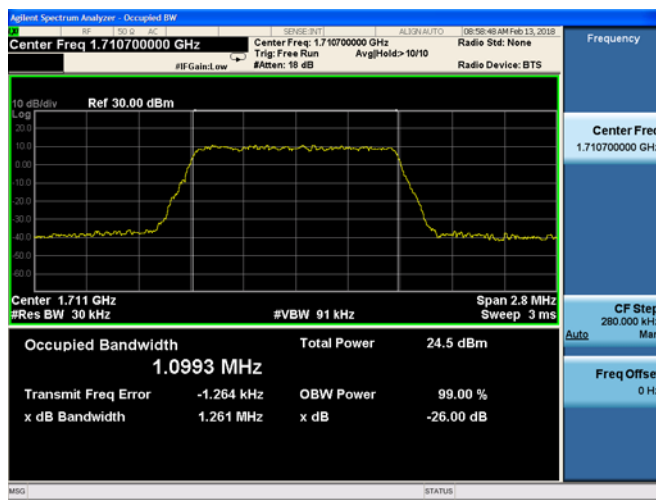


LTE Band 4, BW: 20MHz

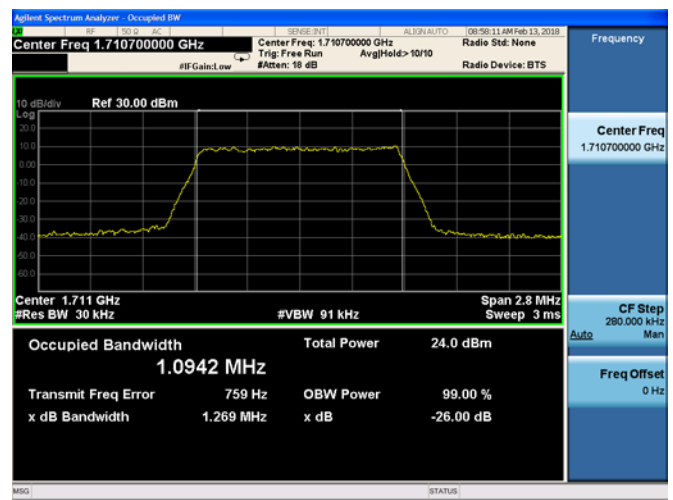
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
20050	1720.0	17.940	19.23	17.915	19.31
20175	1732.5	17.970	19.43	17.953	19.34
20300	1745.0	17.920	19.31	17.888	19.46

LTE Band 4 99%&26dB Bandwidth

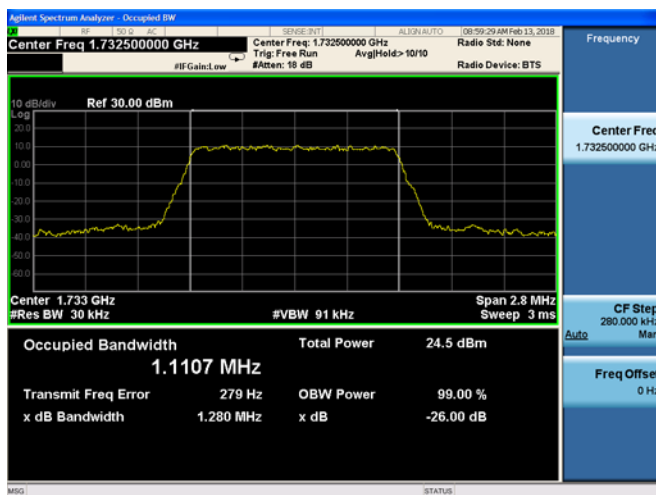
1.4MHz/QPSK/Low CH



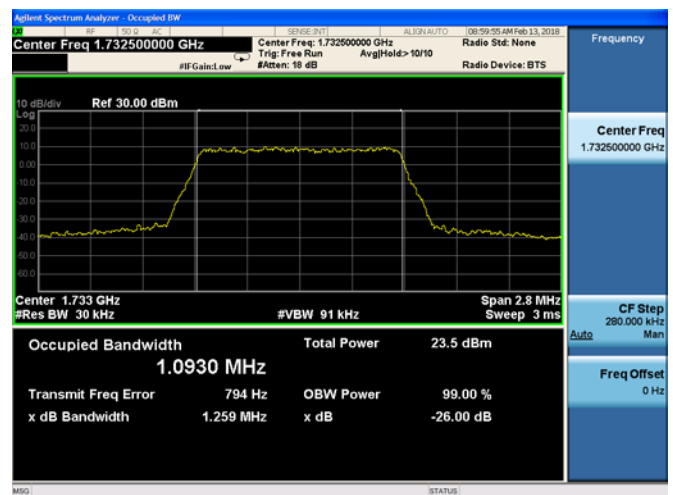
1.4MHz/16QAM/Low CH



1.4MHz/QPSK/Mid CH

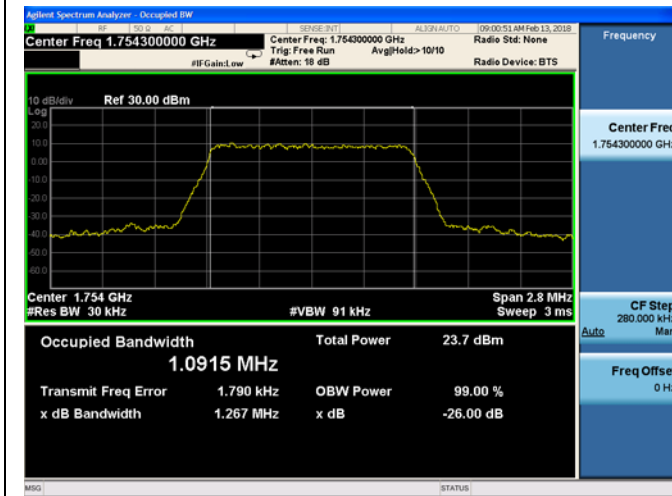


1.4MHz/16QAM/Mid CH

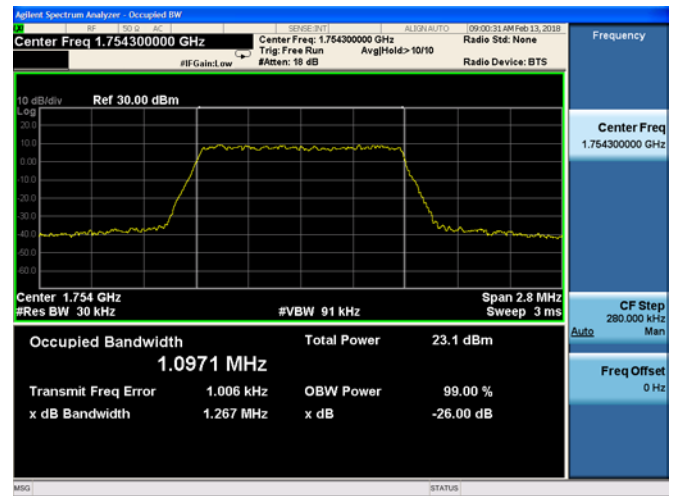


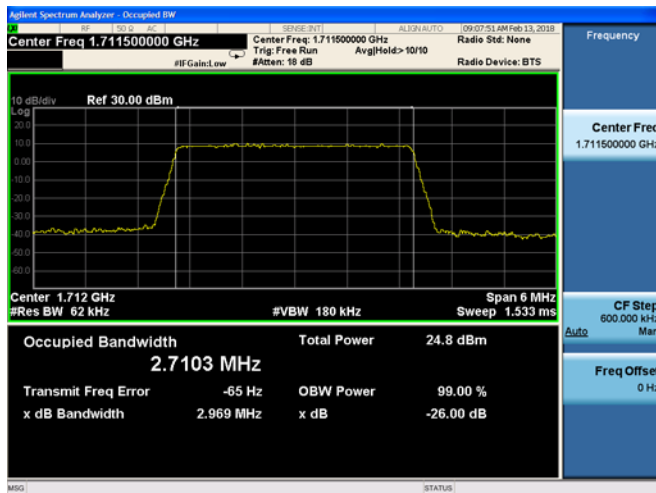
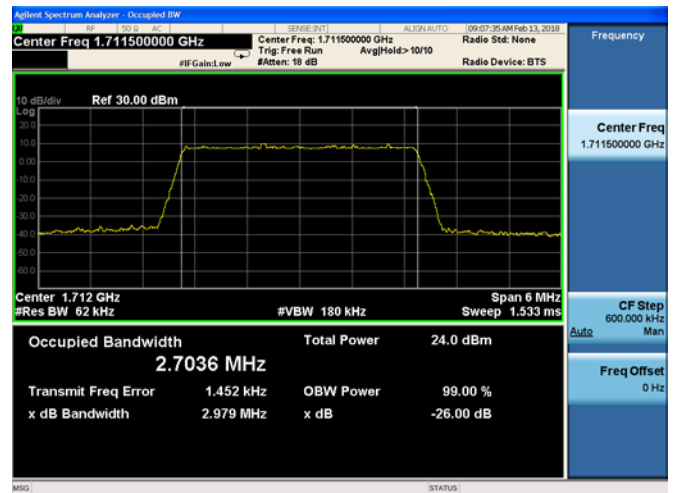
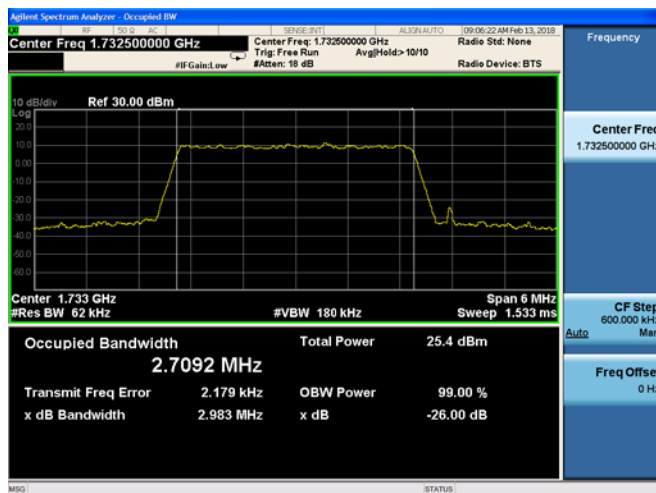
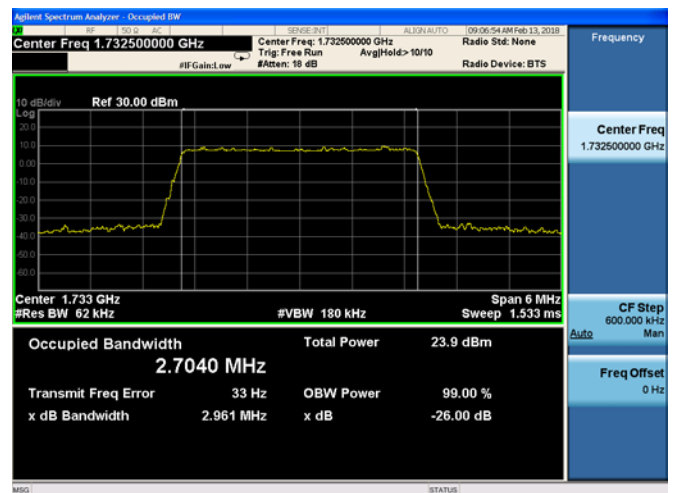
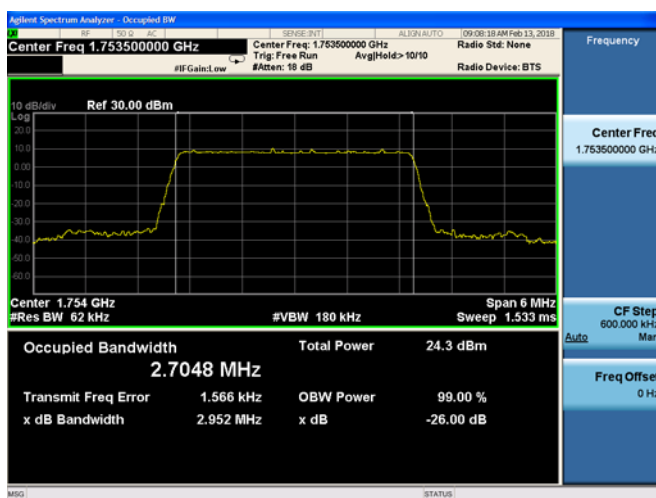
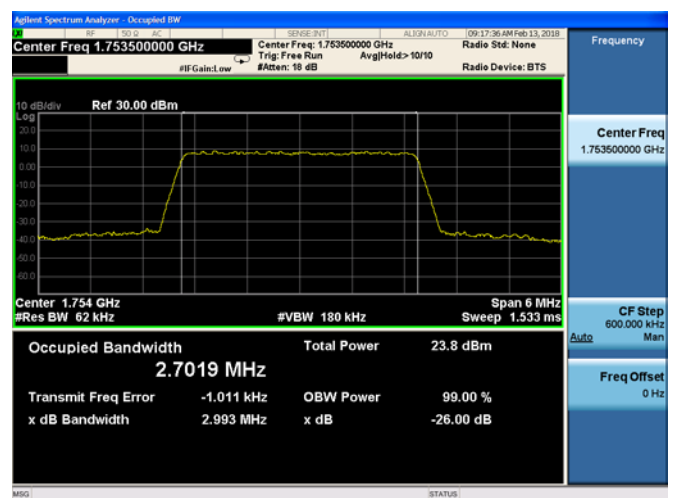


1.4MHz/QPSK/High CH



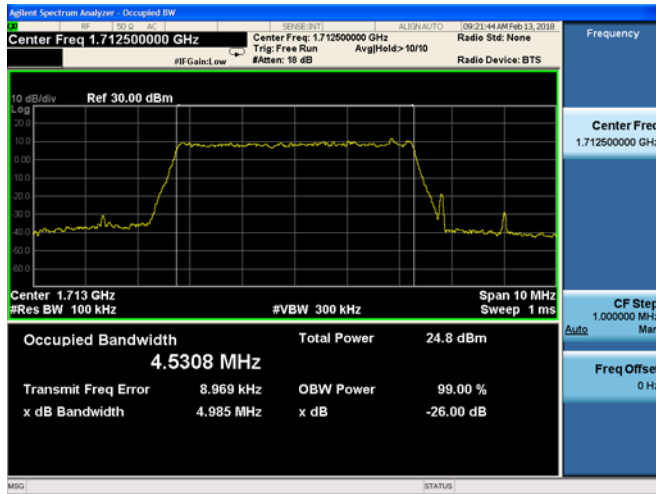
1.4MHz/16QAM/High CH



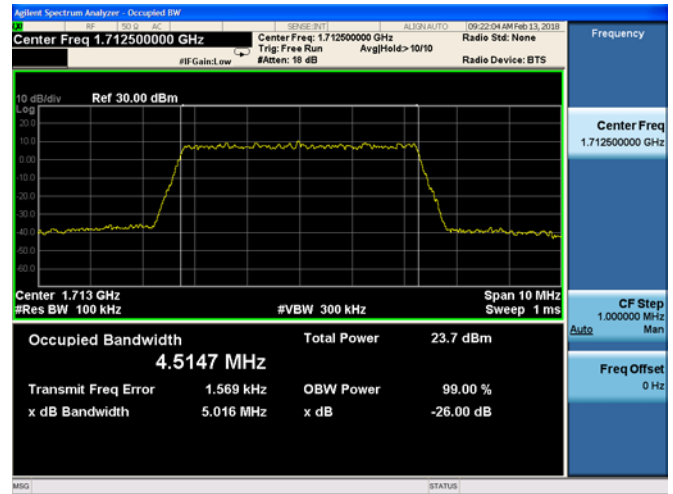
**3MHz/QPSK/Low CH****3MHz/16QAM/Low CH****3MHz/QPSK/Mid CH****3MHz/16QAM/Mid CH****3MHz/QPSK/High CH****3MHz/16QAM/High CH**



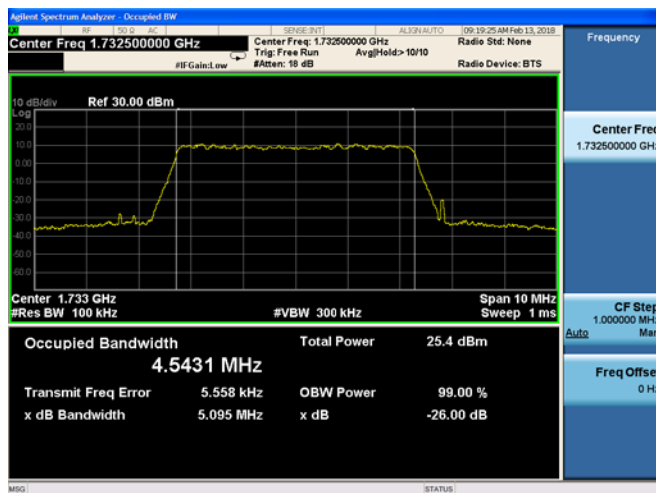
5MHz/QPSK/Low CH



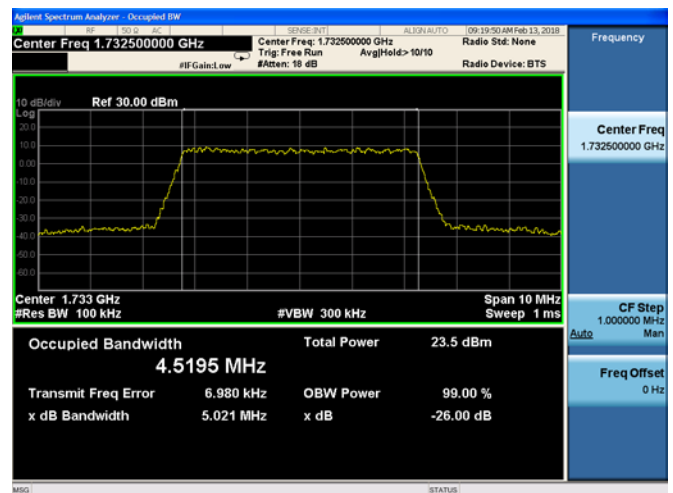
5MHz/16QAM/Low CH



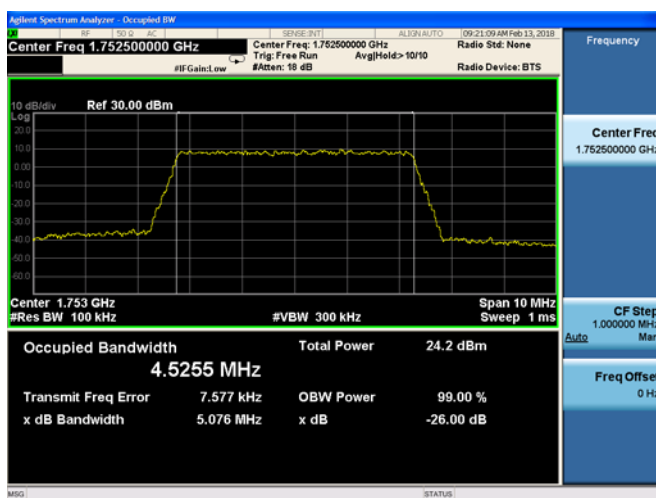
5MHz/QPSK/Mid CH



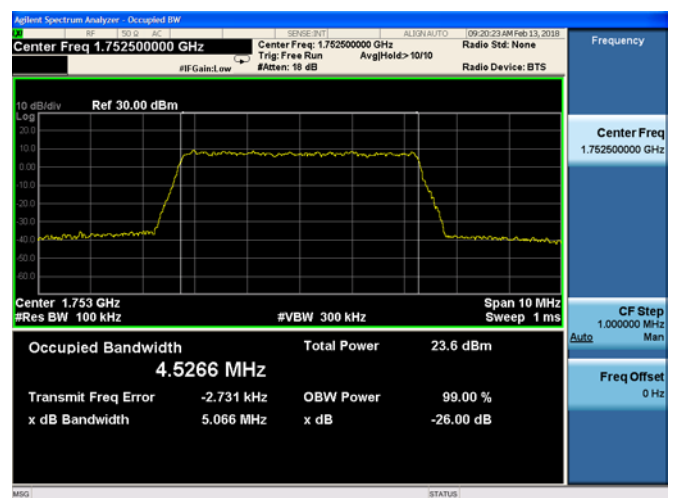
5MHz/16QAM/Mid CH



5MHz/QPSK/High CH

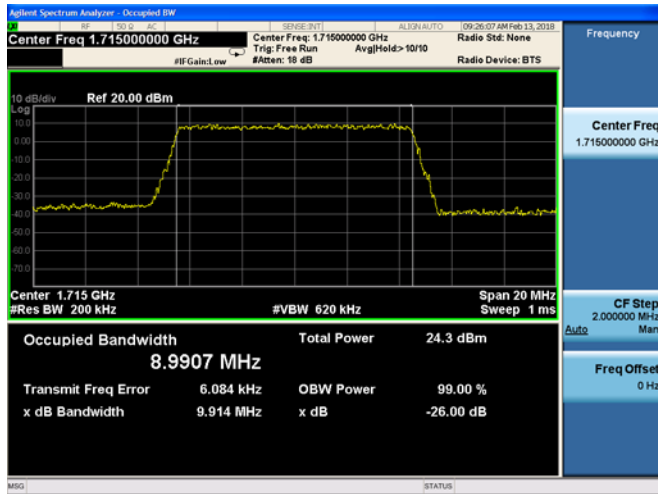


5MHz/16QAM/High CH

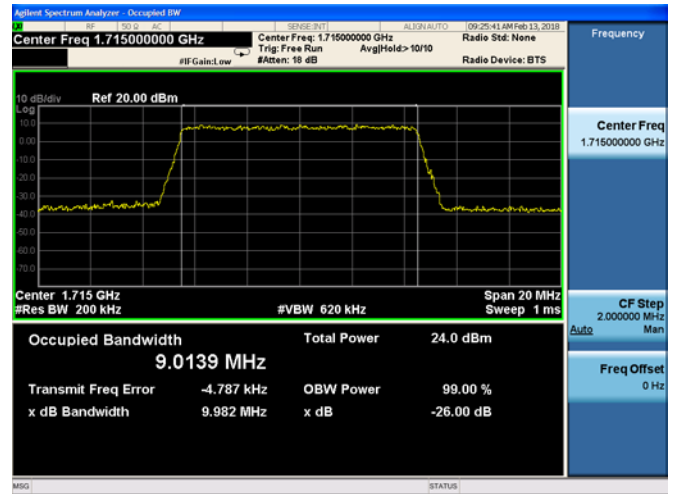




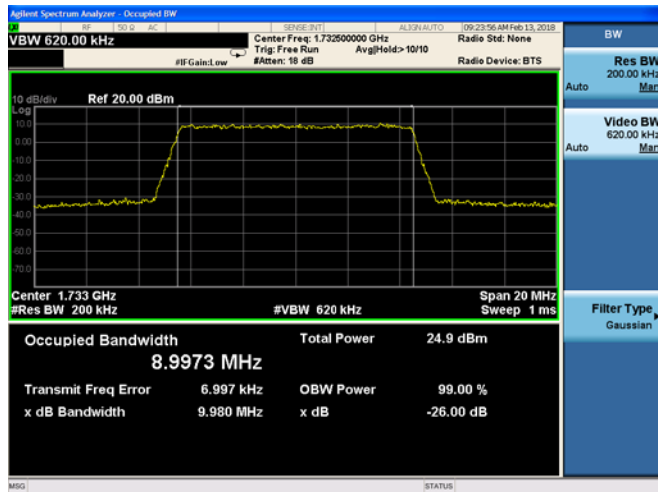
10MHz/QPSK/Low CH



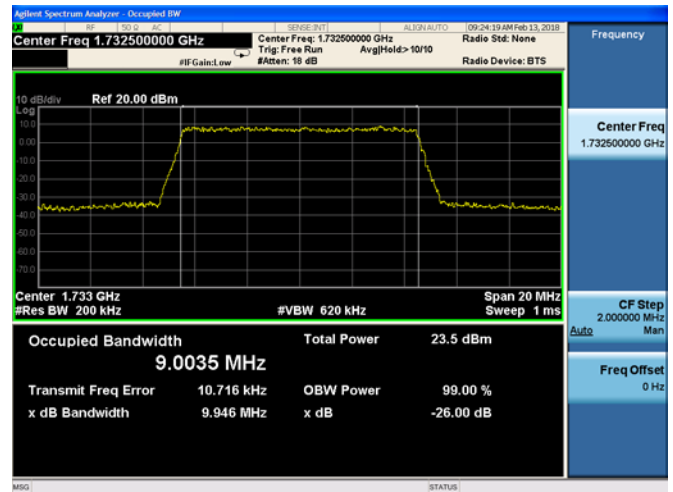
10MHz/16QAM/Low CH



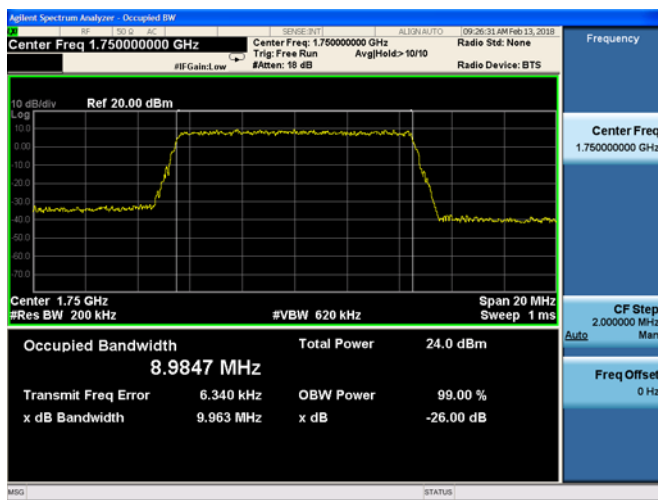
10MHz/QPSK/Mid CH



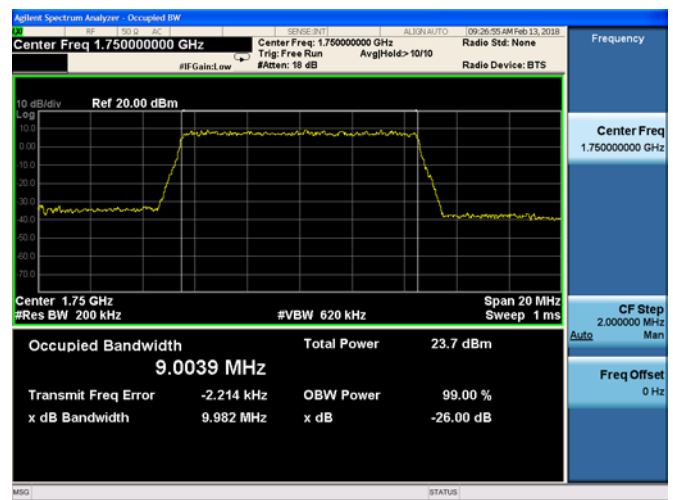
10MHz/16QAM/Mid CH



10MHz/QPSK/High CH

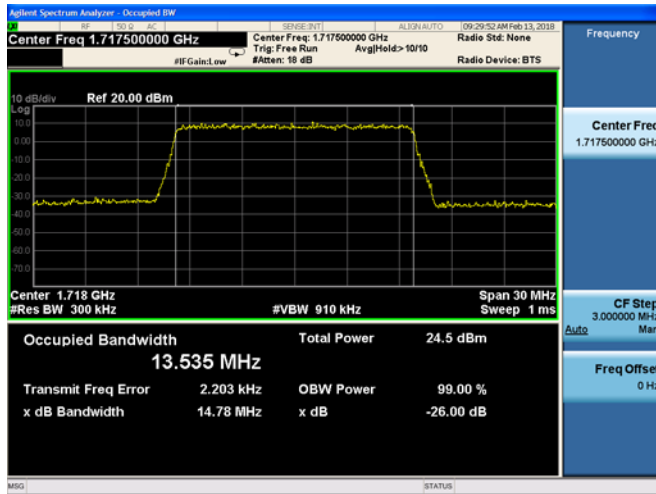


10MHz/16QAM/High CH

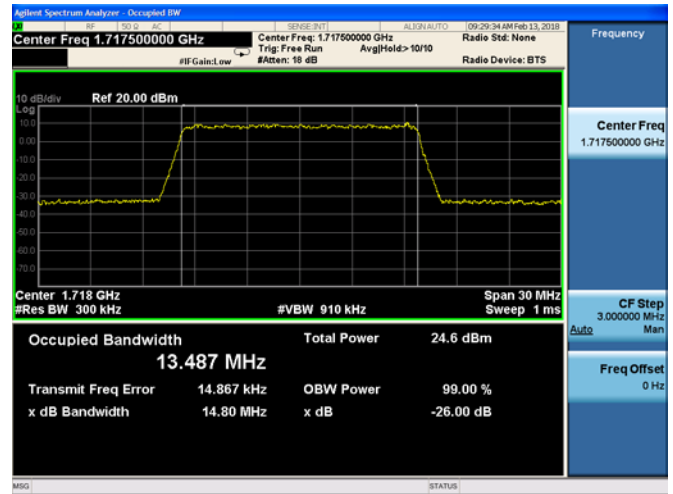




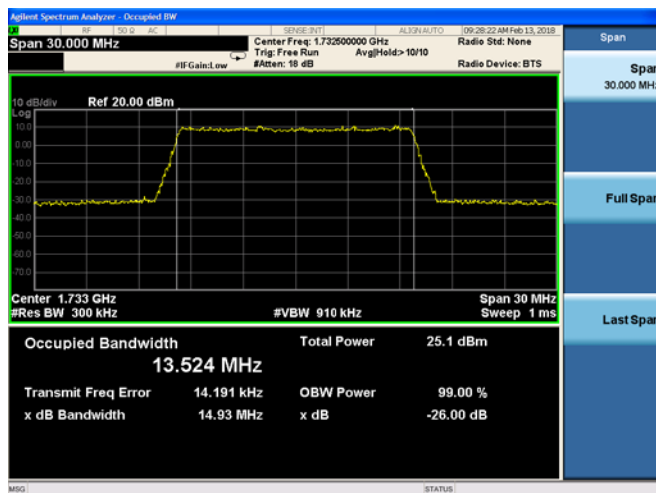
15MHz/QPSK/Low CH



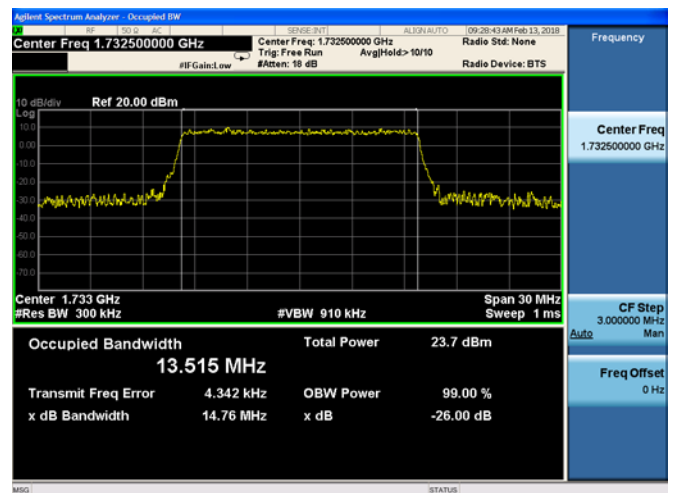
15MHz/16QAM/Low CH



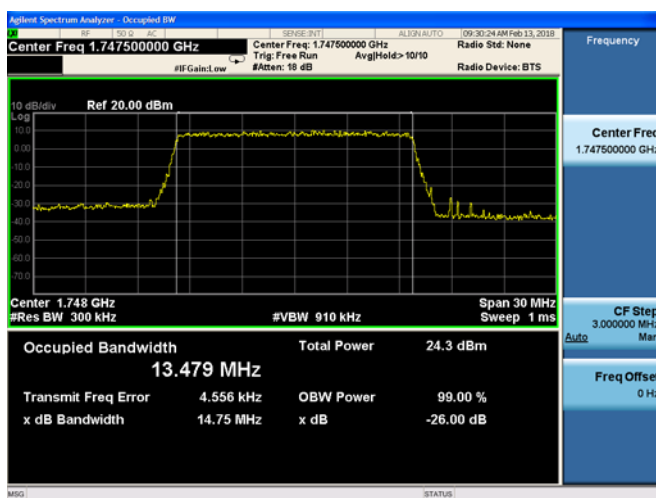
15MHz/QPSK/Mid CH



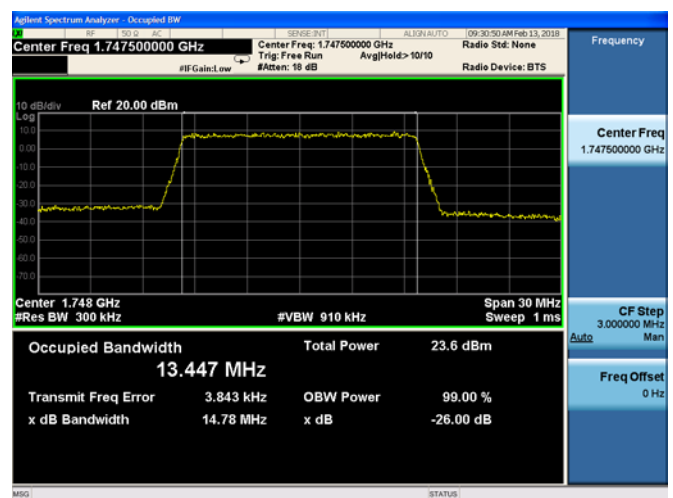
15MHz/16QAM/Mid CH



15MHz/QPSK/High CH

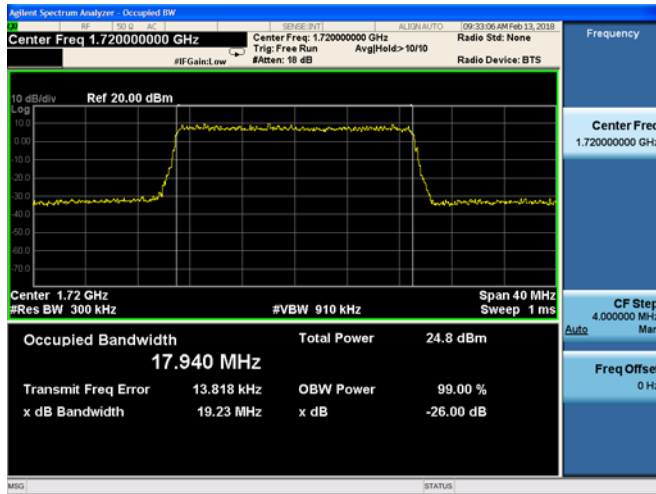


15MHz/16QAM/High CH

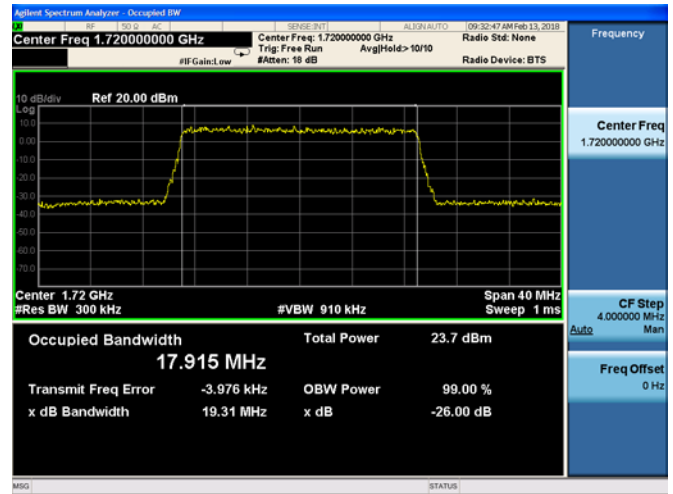




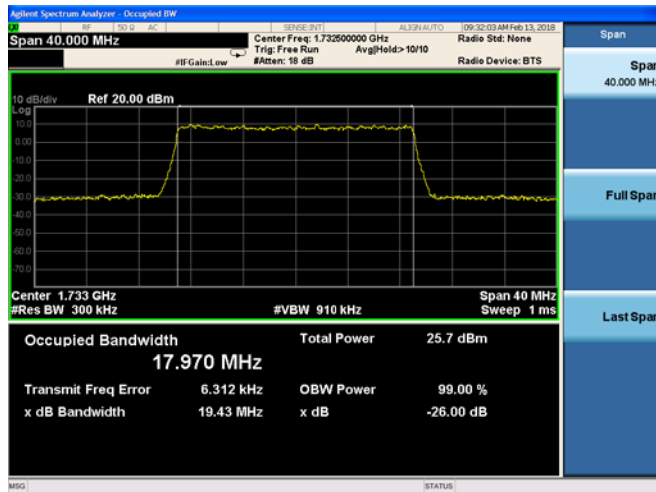
20MHz/QPSK/Low CH



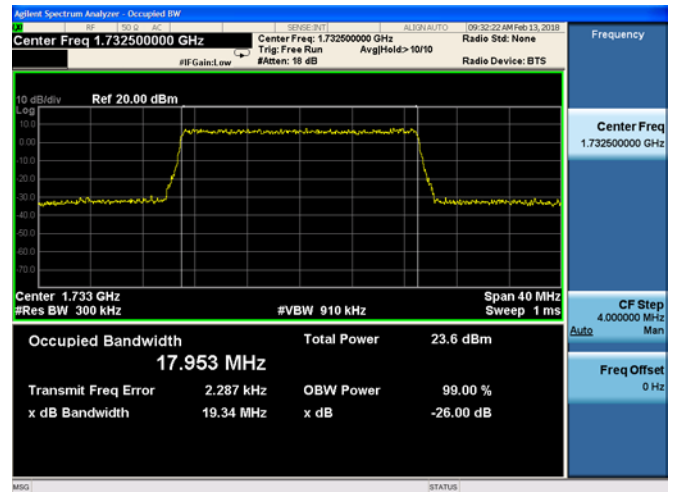
20MHz/16QAM/Low CH



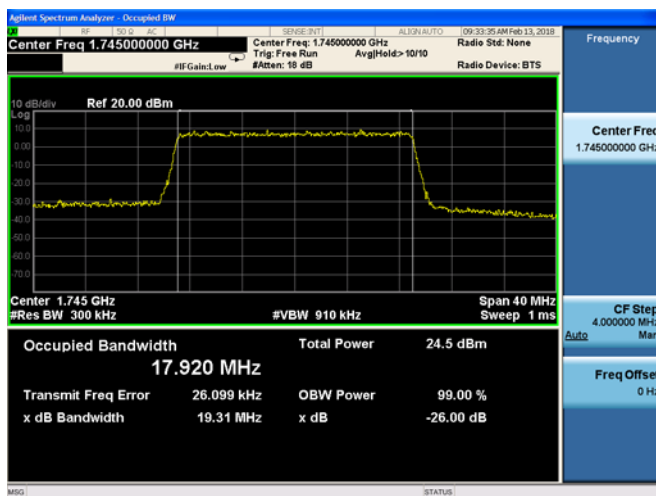
20MHz/QPSK/Mid CH



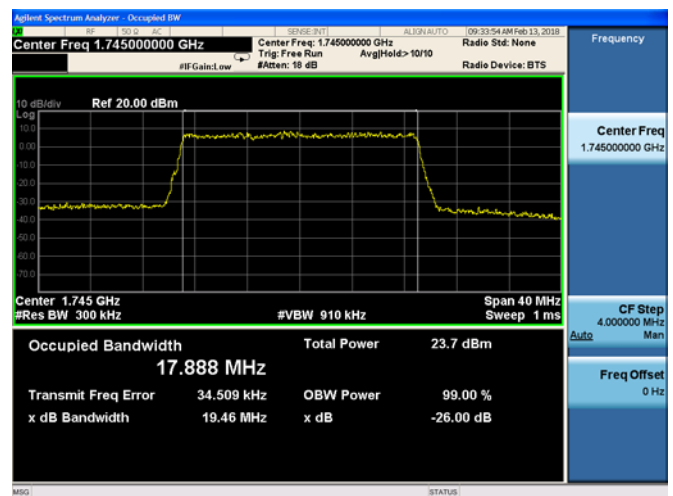
20MHz/16QAM/Mid CH



20MHz/QPSK/High CH



20MHz/16QAM/High CH



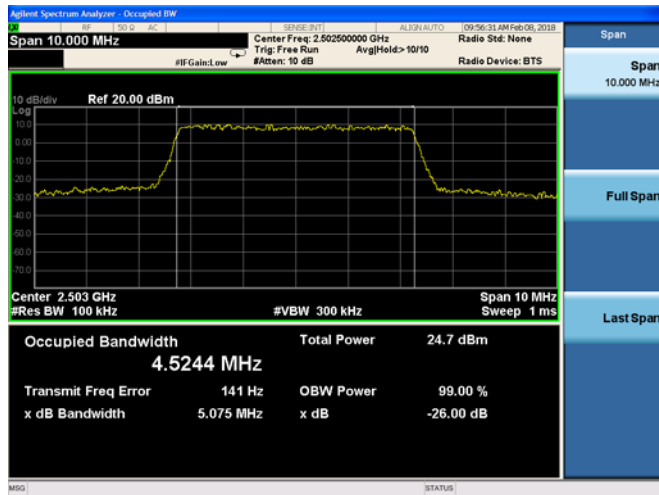


LTE Band 7, BW: 5MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
20775	2502.5	4.5244	5.075	4.5464	5.047
21100	2535.0	4.5434	5.061	4.5500	5.095
21425	2567.5	4.5259	5.033	4.5480	5.119
LTE Band 7, BW: 10MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
20800	2505.0	9.0197	9.963	9.0132	9.961
21100	2535.0	9.0150	10.07	8.9787	9.993
21400	2565.0	9.0178	10.00	9.0288	9.890
LTE Band 7, BW: 15MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
20825	2507.5	13.493	14.94	13.466	14.74
21100	2535.0	13.529	14.83	13.516	14.92
21375	2562.5	13.453	14.77	13.467	14.79
LTE Band 7, BW: 20MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
20850	2510.0	18.011	19.72	17.990	19.62
21100	2535.0	17.998	19.41	18.003	19.51
21350	2560.0	17.968	19.71	17.986	19.70

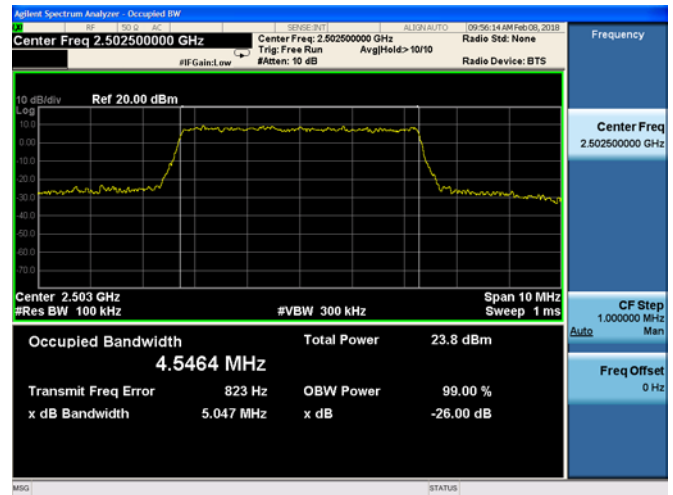


LTE Band 7 99%&26dB Bandwidth

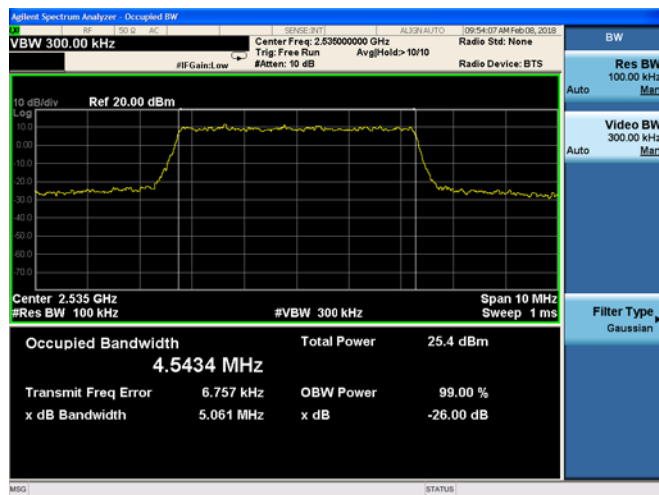
5MHz/QPSK/Low CH



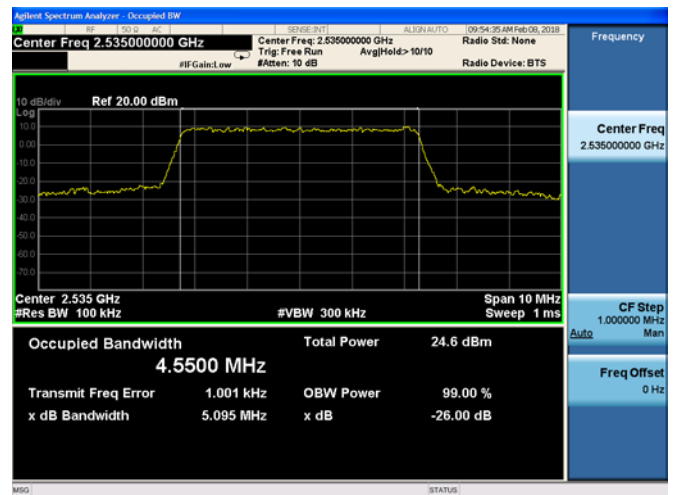
5MHz/16QAM/Low CH



5MHz/QPSK/Mid CH

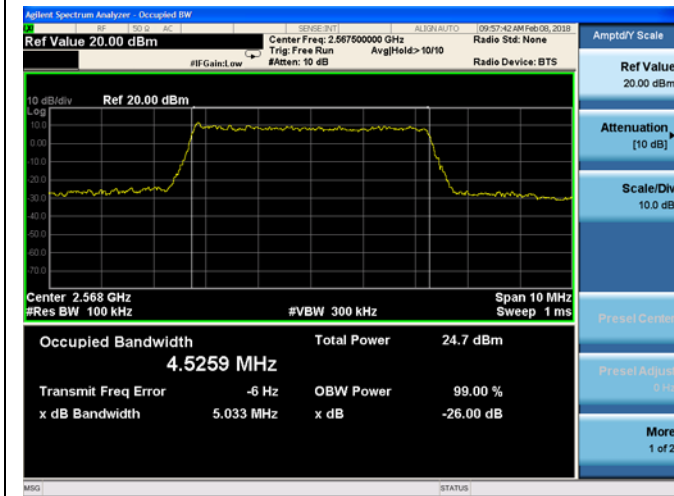


5MHz/16QAM/Mid CH





5MHz/QPSK/High CH



5MHz/16QAM/High CH

