

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT
INTENTIONAL RADIATOR CERTIFICATION TO
FCC PART 22 SUBPART H, PART 24 SUBPART E and PART 27 SUBPART
C & SUBPART L and PART 90 SUBPART S REQUIREMENT

OF

Product Name: LTE Tablet PC
Brand Name: Sprint
Model No.: AQT100
Model Difference: N/A
FCC ID: T5UAQT100
Report No.: E2/2015/90045
Issue Date: Oct. 07, 2015
FCC Rule Part: 2 , 22H & 24E & 27C & L & 90S
Prepared for: Quanta Microsystems, Inc.
 No.188, Wenhua 2nd Rd., Guishan Dist., Taoyuan City
 33377, Taiwan
Prepared by: SGS Taiwan Ltd.
 Electronics & Communication Laboratory
 No.134, Wu Kung Road, New Taipei Industrial Park,
 Wuku District, New Taipei City, Taiwan 24803

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VERIFICATION OF COMPLIANCE

Applicant: Quanta Microsystems, Inc.
 No.188, Wenhua 2nd Rd., Guishan Dist., Taoyuan City 33377,
 Taiwan

Product Name: LTE Tablet PC

Brand Name: Sprint

Model No.: AQT100

Model Difference: N/A

FCC ID: T5UAQT100

File Number: E2/2015/90045

Date of test: Sep. 14, 2015 ~ Oct. 07, 2015

Date of EUT Received: Sep. 14, 2015

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Electronics & Communication Laboratory. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in TIA/EIA-603-C-2004 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits.

The test results of this report relate only to the tested sample identified in this report.

Test By:	 <hr/> Jerry Lu / Engineer	Date:	Oct. 07, 2015 <hr/>
Prepared By:	 <hr/> Allen Tsai / Engineer	Date:	Oct. 07, 2015 <hr/>
Approved By:	 <hr/> Jim Chang / Asst. Manager	Date:	Oct. 07, 2015 <hr/>

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Revision History

Report Number	Revision	Description	Issue Date
E2/2015/90045	Rev.00	Initial creation of document	Oct. 07, 2015

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1. GENERAL PRODUCT INFORMATION

1.1. Product Description

General:

Product Name:	LTE Tablet PC	
Brand Name:	Sprint	
Model No.:	AQT100	
Model Difference:	N/A	
Data Cable (USB)	Model: 18-94U1DG1-004G Supplier: Dongguan Elinke Industrial Co.,Ltd	
Product SW/HW version:	NKJ_AQT100-userdebug 5.1.1 NKJ.BJ.20150916.02.126 126 / B2	
Radio SW/HW version:	N/A / N/A	
Test SW Version:	N/A	
RF power setting in TEST SW:	N/A	
Power Supply:	3.8Vdc from rechargeable battery or 5Vdc from AC/DC Adapter	
	Battery:	Model No.: NKJ, Supplier: TCL
	Adapter:	Model No.: NSS050200B, Supplier: TPT
IMEI:	353398070005187	

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LTE:

Cellular Phone Standards Frequency Range and Power	Operating Frequency		Rated Power
	1.4 MHz LTE-Band 2	1850.7MHz– 1909.3MHz	23dBm
	3 MHz LTE-Band 2	1851.5MHz – 1908.5MHz	23dBm
	5 MHz LTE-Band 2	1852.5MHz – 1907.5MHz	23dBm
	10 MHz LTE-Band 2	1855.0MHz – 1905.0MHz	23dBm
	15 MHz LTE-Band 2	1857.5MHz – 1902.5MHz	23dBm
	20 MHz LTE-Band 2	1860.0MHz – 1900.0MHz	23dBm
	1.4MHz LTE-Band 4	1710.7MHz– 1754.3MHz	23dBm
	3 MHz LTE-Band 4	1711.5MHz – 1753.5MHz	23dBm
	5 MHz LTE-Band 4	1712.5MHz – 1752.5MHz	23dBm
	10 MHz LTE-Band 4	1715MHz – 1750MHz	23dBm
	15 MHz LTE-Band 4	1717.5MHz – 1747.5MHz	23dBm
	20 MHz LTE-Band 4	1720MHz – 1745MHz	23dBm
	1.4MHz LTE-Band 5	824.7MHz – 848.3MHz	23dBm
	3 MHz LTE-Band 5	825.5MHz – 847.5MHz	23dBm
	5 MHz LTE-Band 5	826.5MHz – 846.5MHz	23dBm
	10 MHz LTE-Band 5	829.0MHz – 844.0MHz	23dBm
	1.4MHz LTE-Band 12	699.7MHz– 715.3MHz	23dBm
	3 MHz LTE-Band 12	700.5MHz – 714.5MHz	23dBm
	5 MHz LTE-Band 12	701.5MHz – 713.5MHz	23dBm
10 MHz LTE-Band 12	704.0MHz – 711.0MHz	23dBm	

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Cellular Phone Standards Frequency Range and Power	Operating Frequency		Rated Power
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	3MHz BW LTE-Band 25	1851.5MHz – 1913.5MHz	23dBm
	5MHz BW LTE-Band 25	1852.5MHz – 1912.5MHz	23dBm
	10MHz BW LTE-Band 25	1855.0MHz – 1910.0MHz	23dBm
	15MHz BW LTE-Band 25	1857.5MHz – 1907.5MHz	23dBm
	20MHz BW LTE-Band 25	1860.0MHz – 1905.0MHz	23dBm
	1.4MHz BW LTE-Band 26	814.7 MHz– 823.3 MHz	23dBm
	3MHz BW LTE-Band 26	815.5 MHz– 822.5 MHz	23dBm
	5MHz BW LTE-Band 26	816.5 MHz– 821.5 MHz	23dBm
	10MHz BW LTE-Band 26	819.0 MHz– 819.0 MHz	23dBm
	1.4MHz BW LTE-Band 26	824.7 MHz– 848.3 MHz	23dBm
	3MHz BW LTE-Band 26	825.5 MHz– 847.5 MHz	23dBm
	5MHz BW LTE-Band 26	826.5 MHz– 846.5 MHz	23dBm
	10MHz BW LTE-Band 26	829.0 MHz– 844.0 MHz	23dBm
	5MHz BW LTE-Band 41	2498.5MHz – 2687.5MHz	23dBm
	10MHz BW LTE-Band 41	2501.0MHz – 2685.0MHz	23dBm
	15MHz BW LTE-Band 41	2503.5 MHz – 2682.5 MHz	23dBm
	20MHz BW LTE-Band 41	2506.0 MHz – 2680.0 MHz	23dBm

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Type of Emission:	LTE-Band 2 (Bandwidth 1.4MHz) QPSK	1M10G7D
	LTE-Band 2 (Bandwidth 1.4MHz) 16QAM	1M10D7W
	LTE-Band 2 (Bandwidth 3MHz) QPSK	2M71G7D
	LTE-Band 2 (Bandwidth 3MHz) 16QAM	2M71D7W
	LTE-Band 2 (Bandwidth 5MHz) QPSK	4M51G7D
	LTE-Band 2 (Bandwidth 5MHz) 16QAM	4M52D7W
	LTE-Band 2 (Bandwidth 10MHz) QPSK	8M96G7D
	LTE-Band 2 (Bandwidth 10MHz) 16QAM	8M92D7W
	LTE-Band 2 (Bandwidth 15MHz) QPSK	13M4G7D
	LTE-Band 2 (Bandwidth 15MHz) 16QAM	13M5D7W
	LTE-Band 2 (Bandwidth 20MHz) QPSK	17M9G7D
	LTE-Band 2 (Bandwidth 20MHz) 16QAM	18M0D7W
	LTE-Band 4 (Bandwidth 1.4MHz) QPSK	1M10G7D
	LTE-Band 4 (Bandwidth 1.4MHz) 16QAM	1M10D7W
	LTE-Band 4 (Bandwidth 3MHz) QPSK	2M71G7D
	LTE-Band 4 (Bandwidth 3MHz) 16QAM	2M71D7W
	LTE-Band 4 (Bandwidth 5MHz) QPSK	4M51G7D
	LTE-Band 4 (Bandwidth 5MHz) 16QAM	4M52D7W
	LTE-Band 4 (Bandwidth 10MHz) QPSK	8M98G7D
	LTE-Band 4 (Bandwidth 10MHz) 16QAM	8M96D7W
	LTE-Band 4 (Bandwidth 15MHz) QPSK	13M5G7D
	LTE-Band 4 (Bandwidth 15MHz) 16QAM	13M5D7W
	LTE-Band 4 (Bandwidth 20MHz) QPSK	18M0G7D
	LTE-Band 4 (Bandwidth 20MHz) 16QAM	18M0D7W
	LTE-Band 5 (Bandwidth 1.4MHz) QPSK	1M10G7D
	LTE-Band 5 (Bandwidth 1.4MHz) 16QAM	1M10D7W
	LTE-Band 5 (Bandwidth 3MHz) QPSK	2M70G7D
	LTE-Band 5 (Bandwidth 3MHz) 16QAM	2M71D7W
	LTE-Band 5 (Bandwidth 5MHz) QPSK	4M51G7D
	LTE-Band 5 (Bandwidth 5MHz) 16QAM	4M50D7W
	LTE-Band 5 (Bandwidth 10MHz) QPSK	8M99G7D
	LTE-Band 5 (Bandwidth 10MHz) 16QAM	8M98D7W
LTE-Band 12 (Bandwidth 1.4MHz) QPSK	1M10G7D	
LTE-Band 12 (Bandwidth 1.4MHz) 16QAM	1M10D7W	
LTE-Band 12 (Bandwidth 3MHz) QPSK	2M72G7D	
LTE-Band 12 (Bandwidth 3MHz) 16QAM	2M72D7W	
LTE-Band 12 (Bandwidth 5MHz) QPSK	4M52G7D	
LTE-Band 12 (Bandwidth 5MHz) 16QAM	4M50D7W	
LTE-Band 12 (Bandwidth 10MHz) QPSK	8M97G7D	
LTE-Band 12 (Bandwidth 10MHz) 16QAM	8M99D7W	

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Type of Emission:	LTE-Band 25 (Bandwidth 1.4MHz) QPSK	1M10G7D
	LTE-Band 25 (Bandwidth 1.4MHz) 16QAM	1M10D7W
	LTE-Band 25 (Bandwidth 3MHz) QPSK	2M70G7D
	LTE-Band 25 (Bandwidth 3MHz) 16QAM	2M72D7W
	LTE-Band 25 (Bandwidth 5MHz) QPSK	4M51G7D
	LTE-Band 25 (Bandwidth 5MHz) 16QAM	4M51D7W
	LTE-Band 25 (Bandwidth 10MHz) QPSK	9M10G7D
	LTE-Band 25 (Bandwidth 10MHz) 16QAM	8M95D7W
	LTE-Band 25 (Bandwidth 15MHz) QPSK	13M5G7D
	LTE-Band 25 (Bandwidth 15MHz) 16QAM	13M5D7W
	LTE-Band 25 (Bandwidth 20MHz) QPSK	17M9G7D
	LTE-Band 25 (Bandwidth 20MHz) 16QAM	17M9D7W
	LTE-Band 26 for Part 22H (Bandwidth 1.4MHz) QPSK	1M10G7D
	LTE-Band 26 for Part 22H (Bandwidth 1.4MHz) 16QAM	1M10D7W
	LTE-Band 26 for Part 22H (Bandwidth 3MHz) QPSK	2M70G7D
	LTE-Band 26 for Part 22H (Bandwidth 3MHz) 16QAM	2M71D7W
	LTE-Band 26 for Part 22H (Bandwidth 5MHz) QPSK	4M51G7D
	LTE-Band 26 for Part 22H (Bandwidth 5MHz) 16QAM	4M53D7W
	LTE-Band 26 for Part 22H (Bandwidth 10MHz) QPSK	9M00G7D
	LTE-Band 26 for Part 22H (Bandwidth 10MHz) 16QAM	8M98D7W
	LTE-Band 26 for Part 90S (Bandwidth 1.4MHz) QPSK	1M10G7D
	LTE-Band 26 for Part 90S (Bandwidth 1.4MHz) 16QAM	1M10D7W
	LTE-Band 26 for Part 90S (Bandwidth 3MHz) QPSK	2M70G7D
	LTE-Band 26 for Part 90S (Bandwidth 3MHz) 16QAM	2M71D7W
	LTE-Band 26 for Part 90S (Bandwidth 5MHz) QPSK	4M52G7D
	LTE-Band 26 for Part 90S (Bandwidth 5MHz) 16QAM	4M51D7W
	LTE-Band 26 for Part 90S (Bandwidth 10MHz) QPSK	8M98G7D
	LTE-Band 26 for Part 90S (Bandwidth 10MHz) 16QAM	9M00D7W
	LTE-Band 41 (Bandwidth 5MHz) QPSK	4M52G7D
	LTE-Band 41 (Bandwidth 5MHz) 16QAM	4M50D7W
	LTE-Band 41 (Bandwidth 10MHz) QPSK	8M97G7D
	LTE-Band 41 (Bandwidth 10MHz) 16QAM	8M99D7W
	LTE-Band 41 (Bandwidth 15MHz) QPSK	13M5G7D
LTE-Band 41 (Bandwidth 15MHz) 16QAM	13M5D7W	
LTE-Band 41 (Bandwidth 20MHz) QPSK	18M0G7D	
LTE-Band 41 (Bandwidth 20MHz) 16QAM	17M9D7W	

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Max ERP/EIRP Power Measurement Result:

	dBm		W
LTE-Band 2 (Bandwidth 1.4MHz) QPSK	25.55	EIRP	0.359
LTE-Band 2 (Bandwidth 1.4MHz) 16QAM	25.70	EIRP	0.372
LTE-Band 2 (Bandwidth 3MHz) QPSK	25.51	EIRP	0.356
LTE-Band 2 (Bandwidth 3MHz) 16QAM	25.30	EIRP	0.339
LTE-Band 2 (Bandwidth 5MHz) QPSK	25.43	EIRP	0.349
LTE-Band 2 (Bandwidth 5MHz) 16QAM	25.30	EIRP	0.339
LTE-Band 2 (Bandwidth 10MHz) QPSK	25.99	EIRP	0.397
LTE-Band 2 (Bandwidth 10MHz) 16QAM	25.67	EIRP	0.369
LTE-Band 2 (Bandwidth 15MHz) QPSK	26.20	EIRP	0.417
LTE-Band 2 (Bandwidth 15MHz) 16QAM	26.04	EIRP	0.402
LTE-Band 2 (Bandwidth 20MHz) QPSK	27.15	EIRP	0.519
LTE-Band 2 (Bandwidth 20MHz) 16QAM	26.29	EIRP	0.426
LTE-Band 4 (Bandwidth 1.4MHz) QPSK	27.31	EIRP	0.538
LTE-Band 4 (Bandwidth 1.4MHz) 16QAM	27.26	EIRP	0.532
LTE-Band 4 (Bandwidth 3MHz) QPSK	27.72	EIRP	0.592
LTE-Band 4 (Bandwidth 3MHz) 16QAM	27.61	EIRP	0.577
LTE-Band 4 (Bandwidth 5MHz) QPSK	27.56	EIRP	0.570
LTE-Band 4 (Bandwidth 5MHz) 16QAM	27.28	EIRP	0.535
LTE-Band 4 (Bandwidth 10MHz) QPSK	27.64	EIRP	0.581
LTE-Band 4 (Bandwidth 10MHz) 16QAM	27.33	EIRP	0.541
LTE-Band 4 (Bandwidth 15MHz) QPSK	27.56	EIRP	0.570
LTE-Band 4 (Bandwidth 15MHz) 16QAM	27.43	EIRP	0.553
LTE-Band 4 (Bandwidth 20MHz) QPSK	27.87	EIRP	0.612
LTE-Band 4 (Bandwidth 20MHz) 16QAM	27.60	EIRP	0.575
LTE-Band 5 (Bandwidth 1.4MHz) QPSK	27.70	ERP	0.589
LTE-Band 5 (Bandwidth 1.4MHz) 16QAM	27.63	ERP	0.579
LTE-Band 5 (Bandwidth 3MHz) QPSK	28.14	ERP	0.652
LTE-Band 5 (Bandwidth 3MHz) 16QAM	28.14	ERP	0.652
LTE-Band 5 (Bandwidth 5MHz) QPSK	28.15	ERP	0.653
LTE-Band 5 (Bandwidth 5MHz) 16QAM	27.95	ERP	0.624
LTE-Band 5 (Bandwidth 10MHz) QPSK	28.03	ERP	0.635
LTE-Band 5 (Bandwidth 10MHz) 16QAM	27.82	ERP	0.605
LTE-Band 12 (Bandwidth 1.4MHz) QPSK	22.00	ERP	0.158
LTE-Band 12 (Bandwidth 1.4MHz) 16QAM	21.99	ERP	0.158
LTE-Band 12 (Bandwidth 3MHz) QPSK	22.50	ERP	0.178
LTE-Band 12 (Bandwidth 3MHz) 16QAM	22.08	ERP	0.161
LTE-Band 12 (Bandwidth 5MHz) QPSK	21.92	ERP	0.156
LTE-Band 12 (Bandwidth 5MHz) 16QAM	21.83	ERP	0.152
LTE-Band 12 (Bandwidth 10MHz) QPSK	21.83	ERP	0.152
LTE-Band 12 (Bandwidth 10MHz) 16QAM	21.65	ERP	0.146

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	dBm		W
LTE Band 25/1.4MHz /QPSK	24.64	EIRP	0.291
LTE Band 25/1.4MHz /16QAM	24.53	EIRP	0.284
LTE Band 25/3MHz /QPSK	24.97	EIRP	0.314
LTE Band 25/3MHz /16QAM	24.63	EIRP	0.290
LTE Band 25/5MHz /QPSK	25.69	EIRP	0.371
LTE Band 25/5MHz /QPSK	25.10	EIRP	0.324
LTE Band 25/10MHz /QPSK	26.30	EIRP	0.427
LTE Band 25/10MHz /16QAM	26.13	EIRP	0.410
LTE Band 25/15MHz /QPSK	26.61	EIRP	0.458
LTE Band 25/15MHz /16QAM	26.48	EIRP	0.445
LTE Band 25/20MHz /QPSK	26.79	EIRP	0.478
LTE Band 25/20MHz /16QAM	26.62	EIRP	0.459
LTE Band 41/5MHz /QPSK	23.55	EIRP	0.226
LTE Band 41/5MHz /16QAM	23.19	EIRP	0.208
LTE Band 41/10MHz /QPSK	24.82	EIRP	0.303
LTE Band 41/10MHz /16QAM	23.66	EIRP	0.232
LTE Band 41/15MHz /QPSK	23.70	EIRP	0.234
LTE Band 41/15MHz /16QAM	23.23	EIRP	0.210
LTE Band 41/20MHz /QPSK	24.65	EIRP	0.292
LTE Band 41/20MHz /16QAM	23.17	EIRP	0.207

Band 26 for Part 22

	dBm		W
LTE Band 26/1.4MHz /QPSK	24.60	ERP	0.288
LTE Band 26/1.4MHz /16QAM	24.53	ERP	0.284
LTE Band 26/3MHz /QPSK	24.74	ERP	0.298
LTE Band 26/3MHz /16QAM	24.79	ERP	0.301
LTE Band 26/5MHz /QPSK	24.52	ERP	0.283
LTE Band 26/5MHz /16QAM	24.60	ERP	0.288
LTE Band 26/10MHz /QPSK	24.85	ERP	0.305
LTE Band 26/10MHz /16QAM	24.66	ERP	0.292

Band 26 for Part 90S

	dBm		W
LTE Band 26/1.4MHz /QPSK	25.00	ERP	0.316
LTE Band 26/1.4MHz /16QAM	24.89	ERP	0.308
LTE Band 26/3MHz /QPSK	25.36	ERP	0.344
LTE Band 26/3MHz /16QAM	25.18	ERP	0.330
LTE Band 26/5MHz /QPSK	24.94	ERP	0.312
LTE Band 26/5MHz /16QAM	24.98	ERP	0.315
LTE Band 26/10MHz /QPSK	24.77	ERP	0.300
LTE Band 26/10MHz /16QAM	24.74	ERP	0.298

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1.2. Product Feature of Equipment Under Test

The equipment under Test (Hereafter Called: EUT) is LTE Tablet PC supporting, LTE, Wi-Fi 802.11abgn and Bluetooth features, and below is details of information.

Product Feature	
Product Name:	LTE Tablet PC
Brand Name:	Sprint
Model No.:	AQT100
Model Difference:	N/A
FCC ID	T5UAQT100
LTE Operating Band(s)	FCC Band 2 / 4 / 5 / 12 / 25 / 26 / 41
LTE Rel. Version	Release 99 / Category 4
Wi-Fi Specification	802.11 b/g/n
Bluetooth Version	V4.0 dual mode + HS

Note: The above EUT information was declared by manufacturer. Please refer to the specifications or user’s manual for more detailed description.

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1.3. Test Methodology of Applied Standards

FCC 47 CFR Part 2, 22, 24, 27, 90

ANSI / TIA / EIA 603C-C-2004

KDB971168 D01 Power Meas license Digital System v02r01

TS 151 010-1 is used to set, and measure the output power.

KDB971168 D01 Power Meas license Digital System v02r01 as the supplemental guideline to conduct the measurement, including Peak to Power Average Ratio, Average Power over the fundamental signal BW (EIRP/ERP) and Signal Bandwidth.

Note:

1. All test items have been performed and record as per the above standards.
2. The composite system is compliance with FCC Subpart B is authorized under the certification procedure.

1.4. Test Facility

SGS Taiwan Ltd. Electronics & Communication Laboratory No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan. (TAF code 0513)

FCC Registration Numbers are: 990257

Canada Registration Number: 4620A-5.

1.5. Special Accessories

No special accessories were used during testing.

1.6. Equipment Modifications

There were no modifications incorporated into the EUT.

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2. SYSTEM TEST CONFIGURATION

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT (Transmitter) was operated in the continuous transmission mode employed with the simulator of the Base Station that fixates at test default channels to fix the Tx frequency which was for the purpose of the measurements.

2.3. Test Procedure

2.3.1 Conducted Measurement at Antenna Port

According to measurement procured TIA/EIA 603C, the EUT is placed on a turn table which is 0.8 m above ground plan. A low loss of RF cable was used to connect the antenna port of EUT to measurement equipment.

2.3.2 Radiated Emissions (ERP/EIRP)

According to measurement procured TIA/EIA 603C, The EUT is a placed on as turn table which is 0.8 m above ground plan. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both Horizontal and Vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." Is still within the 3Db illumination BW of the measurement antenna according to the requirements in Section 8 and 13.

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2.4. Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

Note:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Following shows an offset computation:

Band	RF Cable Loss (Db)	Splitter	Attenuater	offset
Low Band	1	3.8	10	14.8
High Band	1	3.5	10	14.5

2.5. Final Amplifier Voltage and Current Information:

Test Mode	DC voltage (V)	DC current (Ma)
LTE Band 2_1.4M QPSK	3.8	1050
LTE Band 2_1.4M 16QAM	3.8	980
LTE Band 2_3M QPSK	3.8	1040
LTE Band 2_3M 16QAM	3.8	980
LTE Band 2_5M QPSK	3.8	1060
LTE Band 2_5M 16QAM	3.8	1000
LTE Band 2_10M QPSK	3.8	1080
LTE Band 2_10M 16QAM	3.8	1010
LTE Band 2_15M QPSK	3.8	1100
LTE Band 2_15M 16QAM	3.8	1050
LTE Band 2_20M QPSK	3.8	1130
LTE Band 2_20M 16QAM	3.8	1060

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Test Mode	DC voltage (V)	DC current (Ma)
LTE Band 4_1.4M QPSK	3.8	1190
LTE Band 4_1.4M 16QAM	3.8	1130
LTE Band 4_3M QPSK	3.8	1200
LTE Band 4_3M 16QAM	3.8	1130
LTE Band 4_5M QPSK	3.8	1210
LTE Band 4_5M 16QAM	3.8	1150
LTE Band 4_10M QPSK	3.8	1230
LTE Band 4_10M 16QAM	3.8	1160
LTE Band 4_15M QPSK	3.8	1240
LTE Band 4_15M 16QAM	3.8	1180
LTE Band 4_20M QPSK	3.8	1250
LTE Band 4_20M 16QAM	3.8	1190

Test Mode	DC voltage (V)	DC current (Ma)
LTE Band 5_1.4M QPSK	3.8	1090
LTE Band 5_1.4M 16QAM	3.8	1060
LTE Band 5_3M QPSK	3.8	1100
LTE Band 5_3M 16QAM	3.8	1150
LTE Band 5_5M QPSK	3.8	1100
LTE Band 5_5M 16QAM	3.8	1160
LTE Band 5_10M QPSK	3.8	1110
LTE Band 5_10M 16QAM	3.8	1070

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Test Mode	DC voltage (V)	DC current (Ma)
LTE Band 12_1.4M QPSK	3.8	1080
LTE Band 12_1.4M 16QAM	3.8	1090
LTE Band 12_3M QPSK	3.8	1110
LTE Band 12_3M 16QAM	3.8	1110
LTE Band 12_5M QPSK	3.8	1110
LTE Band 12_5M 16QAM	3.8	1120
LTE Band 12_10M QPSK	3.8	1120
LTE Band 12_10M 16QAM	3.8	1140

Test Mode	DC voltage (V)	DC current (Ma)
LTE Band 25_1.4M QPSK	3.8	1120
LTE Band 25_1.4M 16QAM	3.8	1080
LTE Band 25_3M QPSK	3.8	1140
LTE Band 25_3M 16QAM	3.8	1100
LTE Band 25_5M QPSK	3.8	1160
LTE Band 25_5M 16QAM	3.8	1120
LTE Band 25_10M QPSK	3.8	1170
LTE Band 25_10M 16QAM	3.8	1130
LTE Band 25_15M QPSK	3.8	1190
LTE Band 25_15M 16QAM	3.8	1150
LTE Band 25_20M QPSK	3.8	1210
LTE Band 25_20M 16QAM	3.8	1160

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Test Mode	DC voltage (V)	DC current (Ma)
LTE Band 26_1.4M QPSK	3.8	1100
LTE Band 26_1.4M 16QAM	3.8	1050
LTE Band 26_3M QPSK	3.8	1100
LTE Band 26_3M 16QAM	3.8	1060
LTE Band 26_5M QPSK	3.8	1110
LTE Band 26_5M 16QAM	3.8	1060
LTE Band 26_10M QPSK	3.8	1120
LTE Band 26_10M 16QAM	3.8	1060

Test Mode	DC voltage (V)	DC current (Ma)
LTE Band 26_1.4M QPSK	3.8	1110
LTE Band 26_1.4M 16QAM	3.8	1040
LTE Band 26_3M QPSK	3.8	1110
LTE Band 26_3M 16QAM	3.8	1150
LTE Band 26_5M QPSK	3.8	1120
LTE Band 26_5M 16QAM	3.8	1160
LTE Band 26_10M QPSK	3.8	1120
LTE Band 26_10M 16QAM	3.8	1160

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Test Mode	DC voltage (V)	DC current (Ma)
LTE Band 41_5M QPSK	3.8	770
LTE Band 41_5M 16QAM	3.8	720
LTE Band 41_10M QPSK	3.8	770
LTE Band 41_10M 16QAM	3.8	730
LTE Band 41_15M QPSK	3.8	790
LTE Band 41_15M 16QAM	3.8	770
LTE Band 41_20M QPSK	3.8	820
LTE Band 41_20M 16QAM	3.8	800

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2.6. Configuration of Tested System

Fig. 2-1 Configuration of Tested System (Fixed Channel-Conducted)

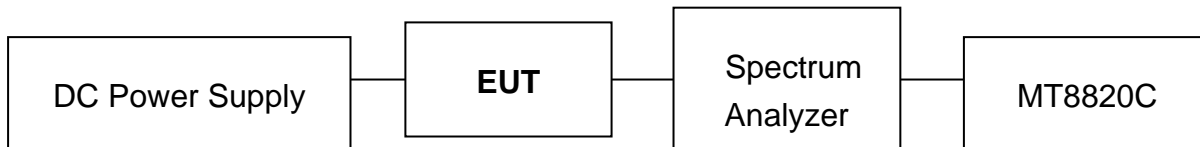


Fig. 2-2 Configuration of Tested System (Fixed Channel-Radiated)

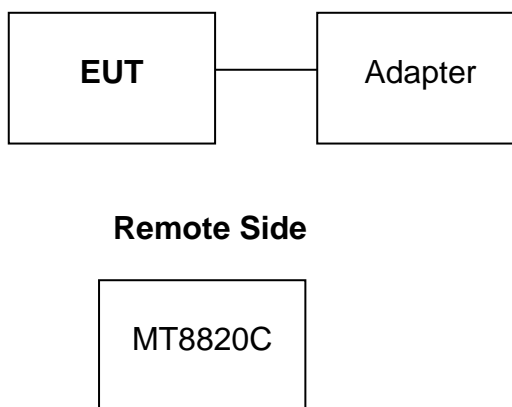


Table 2-1 Equipment Used in

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Data Cable	Power Cord
1.	Universal Radio Communication Tester	Anritsu	MT8820C	6200307563	shielded	Un-shielded
2.	DC Power Supply	Agilent	E3634A	MY53180030	N/A	Un-shielded

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3. SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a)	RF Power Output	Compliant
§2.1046(a) §22.913(a)(2) §24.232(c) §27.50(c)(10) §27.50(d)(4) §27.50(h)(2) §90.635	ERP/ EIRP measurement	Compliant
§2.1049(h) §90.029(b)(7)	99% & 26dB Occupied Bandwidth	Compliant
§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.53(h) §27.53(m)(4)(6)	Out of Band Emissions at Antenna Terminals and Band Edge	Compliant
§2.1053 §22.917(a) §24.238(a) §27.53(c)(5) §27.53(g) §27.53(h) §27.53(m)(4)	Field Strength of Spurious Radiation	Compliant
§90.210 §90.691	Emission Mask	Compliant
§24.232(d) §27.50(d)(5)	Peak to Average Ratio	Compliant
§2.1055(a)(1) §22.355 §24.235 §27.54	Frequency Stability	Compliant

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4. DESCRIPTION OF TEST MODES

4.1. The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, X(E1)Y(E2)Z(H) axis and antenna ports. The worst case was found as listed below. Following channel(s) was (were) selected for the final test as listed below:

BAND	ERP/EIRP	RADIATED EMISSION
LTE Band 2	H-plan	H-plan
LTE Band 4	H-plan	H-plan
LTE Band 5	E2-plan	E2-plan
LTE Band 12	E2-plan	E2-plan
LTE Band 25	H-plan	H-plan
LTE Band 26	E2-plan	E2-plan
LTE Band 41	H-plan	H-plan

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LTE Band 2 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	18700 to 19100	18900	20MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK, 16QAM	Full RB
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM	Full RB
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM	Full RB
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM	Full RB
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM	Full RB
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	18607 to 19193	18607, 18900, 19193	1.4MHz	16QAM	Full RB
	18615 to 19185	18615, 18900, 19185	3MHz	16QAM	Full RB
	18625 to 19175	18625, 18900, 19175	5MHz	16QAM	Full RB
	18650 to 19150	18650, 18900, 19150	10MHz	16QAM	Full RB
	18675 to 19125	18675, 18900, 19125	15MHz	16QAM	Full RB
	18700 to 19100	18700, 18900, 19100	20MHz	16QAM	Full RB
BAND EDGE	18607 to 19193	18607, 19193	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	18615 to 19185	18615, 19185	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	18625 to 19175	18625, 19175	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	18650 to 19150	18650, 19150	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	18675 to 19125	18675, 19125	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	18700 to 19100	18700, 19100	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB

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CONDCUDED EMISSION	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,	1 RB, 0 RB Offest
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK,	1 RB, 0 RB Offest
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK,	1 RB, 0 RB Offest
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK,	1 RB, 0 RB Offest
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK,	1 RB, 0 RB Offest
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	18700 to 19100	19100	20MHz	QPSK,	1 RB/ 0 RB Offest

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LTE Band 4 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	19965 to 22385	19965, 20175, 22385	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	20050 to 20300	20175	20MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK, 16QAM	Full RB
	19965 to 22385	19965, 20175, 22385	3MHz	QPSK, 16QAM	Full RB
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	Full RB
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	Full RB
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	Full RB
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	19957 to 19393	19957, 20175, 19393	1.4MHz	16QAM	Full RB
	19965 to 22385	19965, 20175, 22385	3MHz	16QAM	Full RB
	19975 to 20375	19975, 20175, 20375	5MHz	16QAM	Full RB
	20000 to 20350	20000, 20175, 20350	10MHz	16QAM	Full RB
	20025 to 20325	20025, 20175, 20325	15MHz	16QAM	Full RB
	20050 to 20300	20050, 20175, 20300	20MHz	16QAM	Full RB
BAND EDGE	19957 to 19393	19957, 19393	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	19965 to 22385	19965, 22385	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	19975 to 20375	19975, 20375	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	20000 to 20350	20000, 20350	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	20025 to 20325	20025, 20325	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	20050 to 20300	20050, 20300	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB

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CONDCUDED EMISSION	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK,	1 RB, 0 RB Offest
	19965 to 22385	19965, 20175, 22385	3MHz	QPSK,	1 RB, 0 RB Offest
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK,	1 RB, 0 RB Offest
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK,	1 RB, 0 RB Offest
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK,	1 RB, 0 RB Offest
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	20050 to 20300	20050	20MHz	QPSK,	1 RB, 0 RB Offest

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LTE Band 5 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	20470 to 20643	20470, 20525, 20643	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	20415 to 20635	20415, 20525, 20635	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	20425 to 20625	20425, 20525, 20625	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	20450 to 20600	20525	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	20470 to 20643	20470, 20525, 20643	1.4MHz	QPSK, 16QAM	Full RB
	20415 to 20635	20415, 20525, 20635	3MHz	QPSK, 16QAM	Full RB
	20425 to 20625	20425, 20525, 20625	5MHz	QPSK, 16QAM	Full RB
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	20470 to 20643	20470, 20525, 20643	1.4MHz	16QAM	Full RB
	20415 to 20635	20415, 20525, 20635	3MHz	16QAM	Full RB
	20425 to 20625	20425, 20525, 20625	5MHz	16QAM	Full RB
	20450 to 20600	20450, 20525, 20600	10MHz	16QAM	Full RB
BAND EDGE	20470 to 20643	20470, 20643	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	20415 to 20635	20415, 20635	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	20425 to 20625	20425, 20625	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	20450 to 20600	20450, 20600	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
CONDCUDED EMISSION	20470 to 20643	20470, 20525, 20643	1.4MHz	QPSK,	1 RB, 0 RB Offest
	20415 to 20635	20415, 20525, 20635	3MHz	QPSK,	1 RB, 0 RB Offest
	20425 to 20625	20425, 20525, 20625	5MHz	QPSK,	1 RB, 0 RB Offest
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	20425 to 20625	20625	5MHz	QPSK,	1 RB, 0 RB Offest

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LTE Band 12 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	23060 to 23130	23095	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK, 16QAM	Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM	Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM	Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	23017 to 23173	23017, 23095, 23173	1.4MHz	16QAM	Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	16QAM	Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	16QAM	Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	16QAM	Full RB
BAND EDGE	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
CONDCUDED EMISSION	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK,	1 RB, 0 RB Offest
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK,	1 RB, 0 RB Offest
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK,	1 RB, 0 RB Offest
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	23017 to 23173	23017	1.4MHz	QPSK,	1 RB, 0 RB Offest

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LTE Band 25 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	26047to 26683	26047, 26365, 26683	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	26055to 26675	26055, 26365, 26675	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	26065to 26665	26065, 26365, 26665	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	26090to 26640	26090, 26365, 26640	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	26115to 26615	26115, 26365, 26615	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	26140to 26590	26140, 26365, 26590	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	26140to 26590	26365	20MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	26047to 26683	26047, 26365, 26683	1.4MHz	QPSK, 16QAM	Full RB
	26055to 26675	26055, 26365, 26675	3MHz	QPSK, 16QAM	Full RB
	26065to 26665	26065, 26365, 26665	5MHz	QPSK, 16QAM	Full RB
	26090to 26640	26090, 26365, 26640	10MHz	QPSK, 16QAM	Full RB
	26115to 26615	26115, 26365, 26615	15MHz	QPSK, 16QAM	Full RB
	26140to 26590	26140, 26365, 26590	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	26047to 26683	26047, 26365, 26683	1.4MHz	16QAM	Full RB
	26055to 26675	26055, 26365, 26675	3MHz	16QAM	Full RB
	26065to 26665	26065, 26365, 26665	5MHz	16QAM	Full RB
	26090to 26640	26090, 26365, 26640	10MHz	16QAM	Full RB
	26115to 26615	26115, 26365, 26615	15MHz	16QAM	Full RB
	26140to 26590	26140, 26365, 26590	20MHz	16QAM	Full RB
BAND EDGE	26047to 26683	26047, 26365, 26683	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	26055to 26675	26055, 26365, 26675	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	26065to 26665	26065, 26365, 26665	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	26090to 26640	26090, 26365, 26640	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	26115to 26615	26115, 26365, 26615	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	26140to 26590	26140, 26365, 26590	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB

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CONDCUDED EMISSION	26047to 26683	26047, 26365, 26683	1.4MHz	QPSK,	1 RB, 0 RB Offest
	26055to 26675	26055, 26365, 26675	3MHz	QPSK,	1 RB, 0 RB Offest
	26065to 26665	26065, 26365, 26665	5MHz	QPSK,	1 RB, 0 RB Offest
	26090to 26640	26090, 26365, 26640	10MHz	QPSK,	1 RB, 0 RB Offest
	26115to 26615	26115, 26365, 26615	15MHz	QPSK,	1 RB, 0 RB Offest
	26140to 26590	26140, 26365, 26590	20MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	26140to 26590	26140	20MHz	QPSK,	1 RB, 0 RB Offest

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LTE Band 26 MODE For Part 22 H

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	26797to 27033	26797, 26915, 27033	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	26805to 27025	26805, 26915, 27025	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	26815to 27015	26815, 26815, 27015	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	26840to 26990	26840, 26915, 26990	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	26840to 26990	26840, 26915, 26990	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	26797to 27033	26797, 26915, 27033	1.4MHz	QPSK, 16QAM	Full RB
	26805to 27025	26805, 26915, 27025	3MHz	QPSK, 16QAM	Full RB
	26815to 27015	26815, 26815, 27015	5MHz	QPSK, 16QAM	Full RB
	26840to 26990	26840, 26915, 26990	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	26797to 27033	26797, 26915, 27033	1.4MHz	16QAM	Full RB
	26805to 27025	26805, 26915, 27025	3MHz	16QAM	Full RB
	26815to 27015	26815, 26815, 27015	5MHz	16QAM	Full RB
	26840to 26990	26840, 26915, 26990	10MHz	16QAM	Full RB
BAND EDGE	26797to 27033	26797, 26915, 27033	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	26805to 27025	26805, 26915, 27025	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	26815to 27015	26815, 26815, 27015	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	26840to 26990	26840, 26915, 26990	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
CONDCUDED EMISSION	26797to 27033	26797, 26915, 27033	1.4MHz	QPSK,	1 RB, 0 RB Offest
	26805to 27025	26805, 26915, 27025	3MHz	QPSK,	1 RB, 0 RB Offest
	26815to 27015	26815, 26815, 27015	5MHz	QPSK,	1 RB, 0 RB Offest
	26840to 26990	26840, 26915, 26990	10MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	26840to 26990	26990	10MHz	QPSK,	1 RB, 0 RB Offest

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LTE Band 26 MODE For Part 90 S

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	26705to 26775	26705, 26740, 26775	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	26715to 26765	26715, 26740, 26765	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	26740	819.0	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	26740	819.0	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK, 16QAM	Full RB
	26705to 26775	26705, 26740, 26775	3MHz	QPSK, 16QAM	Full RB
	26715to 26765	26715, 26740, 26765	5MHz	QPSK, 16QAM	Full RB
	26740	819.0	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	26697 to 26783	26697, 26740, 26783	1.4MHz	16QAM	Full RB
	26705to 26775	26705, 26740, 26775	3MHz	16QAM	Full RB
	26715to 26765	26715, 26740, 26765	5MHz	16QAM	Full RB
	26740	819.0	10MHz	16QAM	Full RB
BAND EDGE	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK,	1 RB/ 0,5 RB Offes Full RB
	26705to 26775	26705, 26740, 26775	3MHz	QPSK,	1 RB/ 0,14 RB Offest Full RB
	26715to 26765	26715, 26740, 26765	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	26740	819.0	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
CONDCUDED EMISSION	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK,	1 RB, 0 RB Offest
	26705to 26775	26705, 26740, 26775	3MHz	QPSK,	1 RB, 0 RB Offest
	26715to 26765	26715, 26740, 26765	5MHz	QPSK,	1 RB, 0 RB Offest
	26740	819.0	10MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	26705to 26775	26775	3MHz	QPSK,	1 RB, 0 RB Offest

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LTE Band 41 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	39675to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	39700 to 41540	39700 , 40620, 41540	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	39725 to 41515	39725 , 40620, 41515	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	39750 to 41490	39750 , 40620, 41490	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	39750 to 41490	39750 , 40620, 41490	20MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	39675to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM	Full RB
	39700 to 41540	39700 , 40620, 41540	10MHz	QPSK, 16QAM	Full RB
	39725 to 41515	39725 , 40620, 41515	15MHz	QPSK, 16QAM	Full RB
	39750 to 41490	39750 , 40620, 41490	20MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE RATIO	39675to 41565	39675, 40620, 41565	5MHz	16QAM	Full RB
	39700 to 41540	39700 , 40620, 41540	10MHz	16QAM	Full RB
	39725 to 41515	39725 , 40620, 41515	15MHz	16QAM	Full RB
	39750 to 41490	39750 , 40620, 41490	20MHz	16QAM	Full RB
BAND EDGE	39675to 41565	39675, 40620, 41565	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	39700 to 41540	39700 , 40620, 41540	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	39725 to 41515	39725 , 40620, 41515	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	39750 to 41490	39750 , 40620, 41490	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB
CONDCUDED EMISSION	39675to 41565	39675, 40620, 41565	5MHz	QPSK,	1 RB, 0 RB Offest
	39700 to 41540	39700 , 40620, 41540	10MHz	QPSK,	1 RB, 0 RB Offest
	39725 to 41515	39725 , 40620, 41515	15MHz	QPSK,	1 RB, 0 RB Offest
	39750 to 41490	39750 , 40620, 41490	20MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	39700 to 41540	41540	10MHz	QPSK,	1 RB/ 49 RB Offest

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3. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
RF Power Output	+/- 1.10 dB
ERP/ EIRP measurement	Vertical Polarization = +/- 4.74dB Horizontal Polarization = +/- 4.62dB
99% Occupied Bandwidth	+/- 5.19 Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/- 0.70 dB
Peak to Average Ratio	+/- 0.70 dB
Frequency Stability vs. Temperature	+/- 5.19 Hz
Frequency Stability vs. Voltage	+/- 5.19 Hz
Temperature	+/- 0.65 °C
Humidity	+/- 4.6 %
DC / AC Power Source	DC= +/- 0.13%, AC= +/- 0.2%

Radiated Spurious Emission:

Measurement uncertainty (Polarization : Vertical)	30MHz - 180MHz: +/- 3.37dB
	180MHz -417MHz: +/- 3.19dB
	0.417GHz-1GHz: +/- 3.19dB
	1GHz - 18GHz: +/- 4.04dB
	18GHz - 40GHz: +/- 4.04dB

Measurement uncertainty (Polarization : Horizontal)	30MHz - 167MHz: +/- 4.22dB
	167MHz -500MHz: +/- 3.44dB
	0.5GHz-1GHz: +/- 3.39dB
	1GHz - 18GHz: +/- 4.08dB
	18GHz - 40GHz: +/- 4.08dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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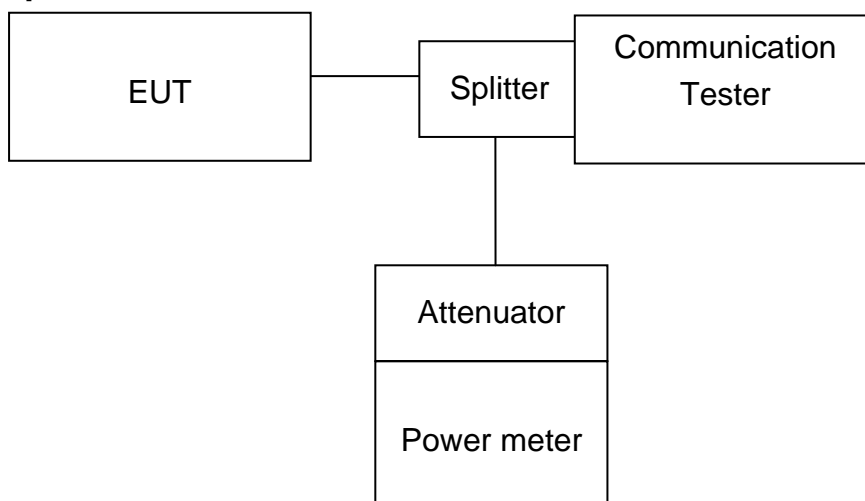
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5. RF CONDUCTED OUTPUT POWER MEASUREMENT

5.1. Standard Applicable

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals.

5.2. Test Set-up



Note: Measurement setup for testing on Antenna connector

5.3. Measurement Procedure

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading. TS 151 010-1 is reference to conduct the test measurement of output power.

The Procedure of KDB941225 (SAR Measurement Procedures for 3G devices, (WCDMA/HSPA) was used for EUT and Base station setting. RMC 12.2kps is used for this testing, and KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results

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5.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	E4446A	MY51100003	01/29/2015	01/28/2016
Spectrum Analyzer	Agilent	E4440A	MY45304525	05/05/2015	05/04/2016
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2015	02/10/2016
Radio Communication Analyzer	Anritsu	MT8820C	6200995019	10/08/2014	10/09/2015
Temperature Chamber	TERCHY	MHG-120LF	911009	05/06/2015	05/05/2016
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2015	01/01/2016
Attenuator	Mini-Circuit	BW-S10W2+	002	01/02/2015	01/01/2016
Splitter	Agilent	11636B	N/A	01/02/2015	01/01/2016
DC Power Supply	Agilent	E3640A	MY52410006	11/10/2014	11/09/2015

5.5. Measurement Result

RF Conducted Output Power

LTE Result:

LTE Band 2

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 18607	Channel (Mid) 18900	Channel (High) 19193	Channel (Low) 18607	Channel (Mid) 18900	Channel (High) 19193
1.4	1	0	22.30	22.33	22.33	21.27	21.47	21.84
	1	5	22.39	22.28	22.26	21.54	21.26	21.56
	3	2	21.38	21.39	21.42	20.75	20.71	20.85
	6	0	21.44	21.61	21.61	20.12	20.42	20.54

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f (886-2) 2298-0488

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LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 18615	Channel (Mid) 18900	Channel (High) 19185	Channel (Low) 18615	Channel (Mid) 18900	Channel (High) 19185
3	1	0	22.73	22.49	22.62	21.17	22.00	21.83
	1	14	22.63	22.65	22.32	21.70	21.89	21.58
	8	4	21.51	21.65	21.54	20.69	20.51	20.21
	15	0	21.48	21.54	21.56	20.64	20.29	20.47

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 18625	Channel (Mid) 18900	Channel (High) 19175	Channel (Low) 18625	Channel (Mid) 18900	Channel (High) 19175
5	1	0	22.39	22.33	22.56	21.60	21.78	21.94
	1	24	22.23	22.34	22.27	21.99	21.95	21.66
	12	6	21.49	21.56	21.48	20.58	20.50	20.61
	25	0	21.56	21.52	21.55	20.62	20.51	20.64

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 18650	Channel (Mid) 18900	Channel (High) 19150	Channel (Low) 18650	Channel (Mid) 18900	Channel (High) 19150
10	1	0	22.46	22.53	22.56	21.71	21.87	21.64
	1	49	22.62	22.52	22.49	21.70	21.96	21.73
	25	12	21.45	21.62	21.72	20.36	20.69	20.69
	50	0	21.47	21.55	21.58	20.60	20.48	20.63

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LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 18675	Channel (Mid) 18900	Channel (High) 19125	Channel (Low) 18675	Channel (Mid) 18900	Channel (High) 19125
15	1	0	22.56	22.59	22.54	21.15	21.45	22.16
	1	74	22.38	22.49	22.32	21.20	21.88	21.61
	36	19	21.48	21.57	21.61	20.40	20.71	20.55
	75	0	21.45	21.51	21.56	20.37	20.60	20.63

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 18700	Channel (Mid) 18900	Channel (High) 19100	Channel (Low) 18700	Channel (Mid) 18900	Channel (High) 19100
20	1	0	22.65	22.77	22.63	21.22	21.88	21.40
	1	99	22.54	22.74	22.64	21.90	21.54	21.81
	50	25	21.69	21.80	21.71	20.43	20.61	20.63
	100	0	21.67	21.85	21.80	20.53	20.59	20.56

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LTE Band 4

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 19957	Channel (Mid) 20175	Channel (High) 20393	Channel (Low) 19957	Channel (Mid) 20175	Channel (High) 20393
1.4	1	0	22.32	22.53	22.27	21.38	21.95	21.91
	1	5	22.42	22.48	22.38	21.28	21.86	21.54
	3	2	21.51	21.50	21.42	20.27	20.73	20.84
	6	0	21.39	21.51	21.64	20.29	20.21	20.61

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 19965	Channel (Mid) 20175	Channel (High) 20385	Channel (Low) 19965	Channel (Mid) 20175	Channel (High) 20385
3	1	0	22.35	22.43	22.33	21.44	21.85	21.07
	1	14	22.26	22.31	22.27	21.70	21.25	21.47
	8	4	21.41	21.41	21.60	20.32	20.43	20.48
	15	0	21.39	21.44	21.49	20.39	20.28	20.16

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 19975	Channel (Mid) 20175	Channel (High) 20375	Channel (Low) 19975	Channel (Mid) 20175	Channel (High) 20375
5	1	0	22.26	22.45	22.34	21.98	21.94	21.95
	1	24	22.27	22.29	22.24	21.81	21.56	21.67
	12	6	21.41	21.54	21.39	20.28	20.29	20.26
	25	0	21.37	21.41	21.45	20.32	20.26	20.47

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LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20000	Channel (Mid) 20175	Channel (High) 20350	Channel (Low) 20000	Channel (Mid) 20175	Channel (High) 20350
10	1	0	22.44	22.67	22.54	21.00	21.88	22.00
	1	49	22.36	22.40	22.40	20.80	21.81	21.56
	25	12	21.47	21.58	21.55	20.40	20.68	20.60
	50	0	21.50	21.54	21.52	20.40	20.57	20.49

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20025	Channel (Mid) 20175	Channel (High) 20325	Channel (Low) 20025	Channel (Mid) 20175	Channel (High) 20325
15	1	0	22.58	22.44	22.66	21.56	21.51	21.71
	1	74	22.27	22.51	22.58	21.48	21.40	21.37
	36	19	21.43	21.59	21.50	20.42	20.50	20.38
	75	0	21.47	21.50	21.57	20.35	20.53	20.65

LTE Band 4_Uplink frequency band : 1710 to 1755 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20050	Channel (Mid) 20175	Channel (High) 20300	Channel (Low) 20050	Channel (Mid) 20175	Channel (High) 20300
20	1	0	22.88	22.83	22.80	21.89	21.42	21.79
	1	99	22.63	22.65	22.59	21.40	21.66	21.15
	50	25	21.59	21.70	21.84	20.41	20.61	20.46
	100	0	21.68	21.68	21.75	20.44	20.55	20.57

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LTE Band 5

LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20407	Channel (Mid) 20525	Channel (High) 20643	Channel (Low) 20407	Channel (Mid) 20525	Channel (High) 20643
1.4	1	0	22.16	22.24	22.36	21.56	21.27	21.84
	1	5	22.04	22.21	22.12	20.60	21.48	21.78
	3	2	21.35	21.16	21.26	20.37	20.18	20.35
	6	0	21.24	21.35	21.31	19.86	19.86	20.38

LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20415	Channel (Mid) 20525	Channel (High) 20635	Channel (Low) 20415	Channel (Mid) 20525	Channel (High) 20635
3	1	0	22.46	22.39	22.25	21.45	21.98	21.50
	1	14	22.24	22.32	22.22	21.00	21.54	21.63
	8	4	21.34	21.48	21.41	20.30	20.36	20.33
	15	0	21.33	21.31	21.32	20.28	20.31	20.54

LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20425	Channel (Mid) 20525	Channel (High) 20625	Channel (Low) 20425	Channel (Mid) 20525	Channel (High) 20625
5	1	0	22.41	22.45	22.22	21.98	21.44	21.58
	1	24	22.31	22.26	22.26	21.27	21.30	21.84
	12	6	21.32	21.43	21.32	20.21	20.27	20.21
	25	0	21.32	21.29	21.34	20.25	20.36	20.22

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LTE Band 5_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20450	Channel (Mid) 20525	Channel (High) 20600	Channel (Low) 20450	Channel (Mid) 20525	Channel (High) 20600
10	1	0	22.58	22.62	22.57	21.22	21.60	21.89
	1	49	22.34	22.68	22.56	21.29	21.50	21.67
	25	12	21.59	21.60	21.60	20.30	20.33	20.17
	50	0	21.65	21.62	21.53	20.14	20.21	20.34

LTE Band 12

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 23017	Channel (Mid) 23095	Channel (High) 23173	Channel (Low) 23017	Channel (Mid) 23095	Channel (High) 23173
1.4	1	0	22.19	22.11	22.21	21.10	21.51	21.52
	1	5	22.16	22.26	22.28	21.81	21.31	21.68
	3	2	21.30	21.31	21.45	20.45	20.73	20.65
	6	0	21.32	21.22	21.42	20.17	20.35	20.26

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 23025	Channel (Mid) 23095	Channel (High) 23165	Channel (Low) 23025	Channel (Mid) 23095	Channel (High) 23165
3	1	0	22.44	22.32	22.29	21.51	21.94	21.59
	1	14	22.34	22.29	22.52	21.34	21.64	21.74
	8	4	21.36	21.39	21.35	20.22	20.52	20.46
	15	0	21.36	21.35	21.43	20.28	20.27	20.27

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LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 23035	Channel (Mid) 23095	Channel (High) 23155	Channel (Low) 23035	Channel (Mid) 23095	Channel (High) 23155
5	1	0	22.31	22.49	22.36	21.59	21.39	21.50
	1	24	22.25	22.39	22.36	21.28	21.44	21.76
	12	6	21.32	21.38	21.40	20.22	20.37	20.29
	25	0	21.30	21.35	21.41	20.45	20.33	20.37

LTE Band 12_Uplink frequency band : 699 to 716 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 23060	Channel (Mid) 23095	Channel (High) 23130	Channel (Low) 23060	Channel (Mid) 23095	Channel (High) 23130
10	1	0	22.28	22.41	22.55	21.82	21.81	21.95
	1	49	22.57	22.47	22.64	21.78	21.89	21.83
	25	12	21.55	21.55	21.73	20.34	20.44	20.51
	50	0	21.57	21.59	21.67	20.29	20.36	20.39

LTE Band 25

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26047	Channel (Mid) 26365	Channel (High) 26683	Channel (Low) 26047	Channel (Mid) 26365	Channel (High) 26683
1.4	1	0	22.26	22.30	22.32	21.61	21.74	21.90
	1	5	22.28	22.20	22.43	21.57	21.61	21.82
	3	2	21.31	21.38	21.48	20.60	20.56	20.70
	6	0	21.24	21.63	21.38	20.32	20.26	20.47

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LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26055	Channel (Mid) 26365	Channel (High) 26675	Channel (Low) 26055	Channel (Mid) 26365	Channel (High) 26675
3	1	0	22.44	22.39	22.59	21.84	21.78	21.84
	1	14	22.42	22.36	22.39	21.94	21.92	21.70
	8	4	21.43	21.43	21.60	20.25	20.56	20.39
	15	0	21.37	21.40	21.46	20.24	20.24	20.54

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26065	Channel (Mid) 26365	Channel (High) 26665	Channel (Low) 26065	Channel (Mid) 26365	Channel (High) 26665
5	1	0	22.32	22.43	22.52	21.40	21.89	21.94
	1	24	22.22	22.52	22.26	21.34	21.93	21.93
	12	6	21.26	21.41	21.51	20.32	20.21	20.40
	25	0	21.31	21.38	21.50	20.36	20.67	20.48

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26090	Channel (Mid) 26365	Channel (High) 26640	Channel (Low) 26090	Channel (Mid) 26365	Channel (High) 26640
10	1	0	22.32	22.27	22.39	21.58	21.49	21.70
	1	49	22.16	22.27	22.44	21.40	21.02	21.77
	25	12	21.28	21.41	21.48	20.32	20.54	20.43
	50	0	21.31	21.38	21.44	20.16	20.21	20.35

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LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26115	Channel (Mid) 26365	Channel (High) 26615	Channel (Low) 26115	Channel (Mid) 26365	Channel (High) 26615
15	1	0	22.40	22.51	22.45	21.93	21.82	21.92
	1	74	22.08	22.11	22.34	20.70	21.74	21.89
	36	19	21.17	21.36	21.35	20.22	20.52	20.45
	75	0	21.21	21.45	21.52	20.16	20.30	20.41

LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26140	Channel (Mid) 26365	Channel (High) 26590	Channel (Low) 26140	Channel (Mid) 26365	Channel (High) 26590
20	1	0	22.43	22.69	22.57	21.65	21.92	21.64
	1	99	22.44	22.37	22.58	21.08	21.41	21.35
	50	25	21.39	21.53	21.65	20.06	20.37	20.46
	100	0	21.36	21.66	21.60	20.18	20.50	20.33

LTE Band 26

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26797	Channel (Mid) 26915	Channel (High) 27033	Channel (Low) 26797	Channel (Mid) 26915	Channel (High) 27033
1.4	1	0	22.10	22.09	22.06	21.15	20.95	20.79
	1	5	22.00	22.01	21.85	21.11	21.04	20.80
	3	2	22.17	22.06	21.99	21.24	21.20	21.15
	6	0	21.28	21.15	20.97	20.32	20.16	20.15

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LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26805	Channel (Mid) 26915	Channel (High) 27025	Channel (Low) 26805	Channel (Mid) 26915	Channel (High) 27025
3	1	0	22.09	22.05	22.29	21.08	21.10	21.76
	1	14	21.90	22.02	21.77	20.94	20.74	20.74
	8	4	21.24	21.14	21.08	20.43	20.34	20.13
	15	0	21.23	21.19	21.14	20.22	20.29	20.06

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26815	Channel (Mid) 26915	Channel (High) 27015	Channel (Low) 26815	Channel (Mid) 26915	Channel (High) 27015
5	1	0	22.01	22.18	22.25	21.13	20.92	21.64
	1	24	21.99	21.89	21.76	20.79	20.91	20.79
	12	6	21.04	21.13	21.03	20.03	20.08	19.94
	25	0	21.25	21.16	21.13	20.26	20.07	20.14

LTE Band 26_Uplink frequency band : 824 to 849 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26840	Channel (Mid) 26915	Channel (High) 26990	Channel (Low) 26840	Channel (Mid) 26915	Channel (High) 26990
10	1	0	22.11	22.10	22.06	21.17	21.07	21.00
	1	49	21.95	21.60	22.08	20.64	20.86	20.83
	25	12	21.14	21.13	21.18	20.00	20.38	20.24
	50	0	21.14	21.04	20.98	20.22	20.10	20.05

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

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LTE Band 26

LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 266697	Channel (Mid) 26740	Channel (High) 26783	Channel (Low) 266697	Channel (Mid) 26740	Channel (High) 26783
1.4	1	0	21.89	22.20	22.01	20.69	20.99	20.89
	1	5	21.79	22.16	21.89	20.51	20.93	20.96
	3	2	21.85	22.12	22.26	20.96	20.54	21.34
	6	0	20.91	21.16	21.22	19.75	20.03	20.37

LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26705	Channel (Mid) 26740	Channel (High) 26775	Channel (Low) 26705	Channel (Mid) 26740	Channel (High) 26775
3	1	0	21.96	22.12	21.98	20.97	21.03	21.00
	1	14	22.20	22.02	22.11	20.98	20.95	21.04
	8	4	21.05	21.16	21.18	20.03	20.32	20.55
	15	0	21.11	21.21	21.09	20.04	20.34	20.39

LTE Band 26_Uplink frequency band : 814 to 824 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 26715	Channel (Mid) 26740	Channel (High) 26765	Channel (Low) 26715	Channel (Mid) 26740	Channel (High) 26765
5	1	0	22.07	21.94	22.04	20.87	21.01	20.92
	1	24	22.05	21.82	22.06	20.99	20.80	20.98
	12	6	21.09	21.17	21.10	19.72	20.00	20.07
	25	0	21.06	21.24	21.14	20.16	20.20	20.04

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LTE Band 26_Uplink frequency band : 814 to 824 MHz				
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	
			QPSK	16QAM
			Channel (Mid) 26740	Channel (Mid) 26740
10	1	0	21.98	20.91
	1	49	21.97	20.85
	25	12	21.20	20.12
	50	0	21.09	20.12

LTE Band 41

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 39675	Channel (Mid) 40620	Channel (High) 41565	Channel (Low) 39675	Channel (Mid) 40620	Channel (High) 41565
5	1	0	22.06	22.39	22.37	21.05	21.22	21.16
	1	24	22.27	22.32	22.29	21.17	21.18	20.96
	12	6	20.97	21.18	21.15	20.11	19.95	20.26
	25	0	21.20	21.16	21.11	20.30	20.38	20.23

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 39700	Channel (Mid) 40620	Channel (High) 41540	Channel (Low) 39700	Channel (Mid) 40620	Channel (High) 41540
10	1	0	22.40	22.47	22.55	20.95	21.52	21.39
	1	49	22.48	22.39	22.41	21.30	21.34	21.45
	25	12	21.11	21.19	21.20	20.40	20.46	20.15
	50	0	21.13	21.08	21.05	20.25	20.25	20.22

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BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 39725	Channel (Mid) 40620	Channel (High) 41515	Channel (Low) 39725	Channel (Mid) 40620	Channel (High) 41515
15	1	0	22.56	22.55	22.34	20.88	21.05	21.37
	1	74	22.42	22.42	22.35	20.73	20.87	21.08
	36	19	21.17	21.18	21.21	19.97	20.23	19.96
	75	0	21.11	21.19	21.22	20.08	20.22	20.33

LTE Band 41_Uplink frequency band : 2496 to 2690 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 39750	Channel (Mid) 40620	Channel (High) 41490	Channel (Low) 39750	Channel (Mid) 40620	Channel (High) 41490
20	1	0	22.62	22.67	21.29	21.29	21.52	21.43
	1	99	22.39	22.37	21.44	21.44	21.27	21.27
	50	25	21.38	21.37	20.33	20.33	20.11	20.12
	100	0	21.32	21.47	20.16	20.16	20.27	20.24

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f (886-2) 2298-0488

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6. EFFECTIVE RADIATED POWER AND EQUIVALENT ISOTROPIC RADIATED POWER MEASUREMENT

6.1. Standard Applicable

According to FCC §2.1046

FCC 22.913(a) Mobile station is limited to 7W ERP.

FCC 24.232(b) Mobile and portable stations are limited to 2 W EIRP.

FCC 27.50(c)(10) Portable stations (hand-held devices) are limited to 3W ERP.

FCC 27.50(d)(4) Fixed, mobile, and portable (hand-held) stations are limited to 1W EIRP.

FCC 27, 50(h)(2) Mobile and other user stations. Mobile stations are limited to 2 W EIRP

FCC 90.635(b) Mobile station is limited to 100 W ERP

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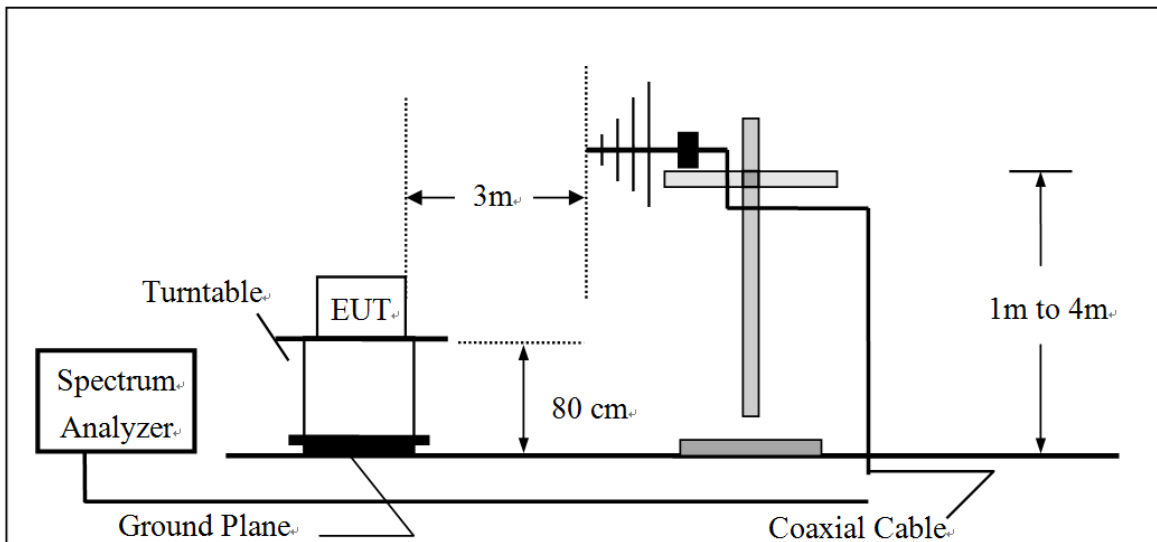
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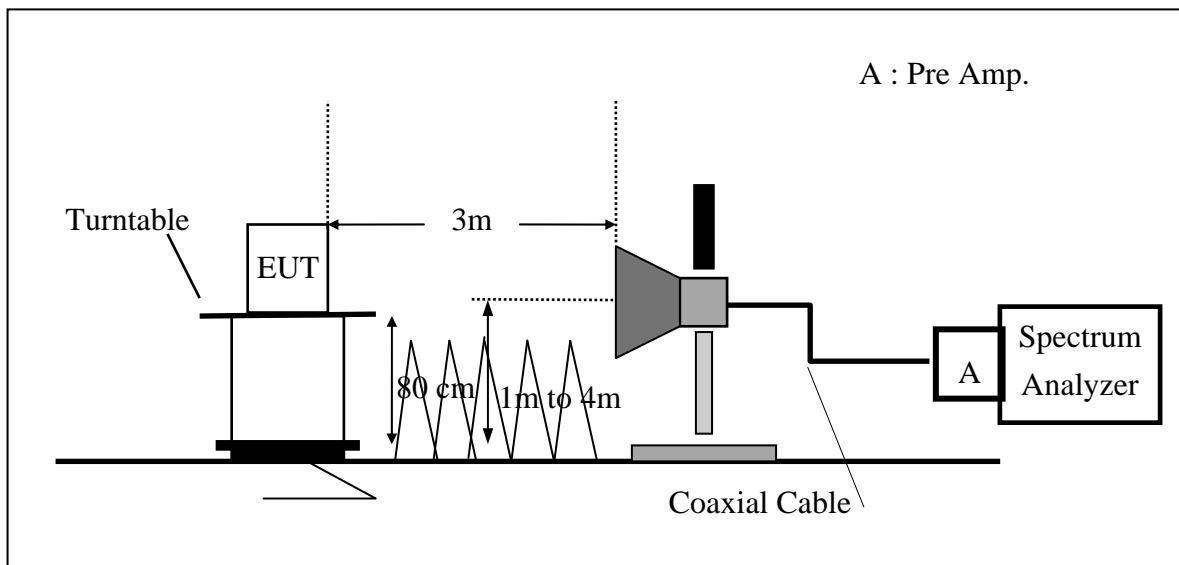
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6.2. Test SET-UP

(A) Radiated Power Test Set-Up, Frequency Below 1000MHz



(B) Radiated Power Test Set-UP Frequency Over 1 GHz

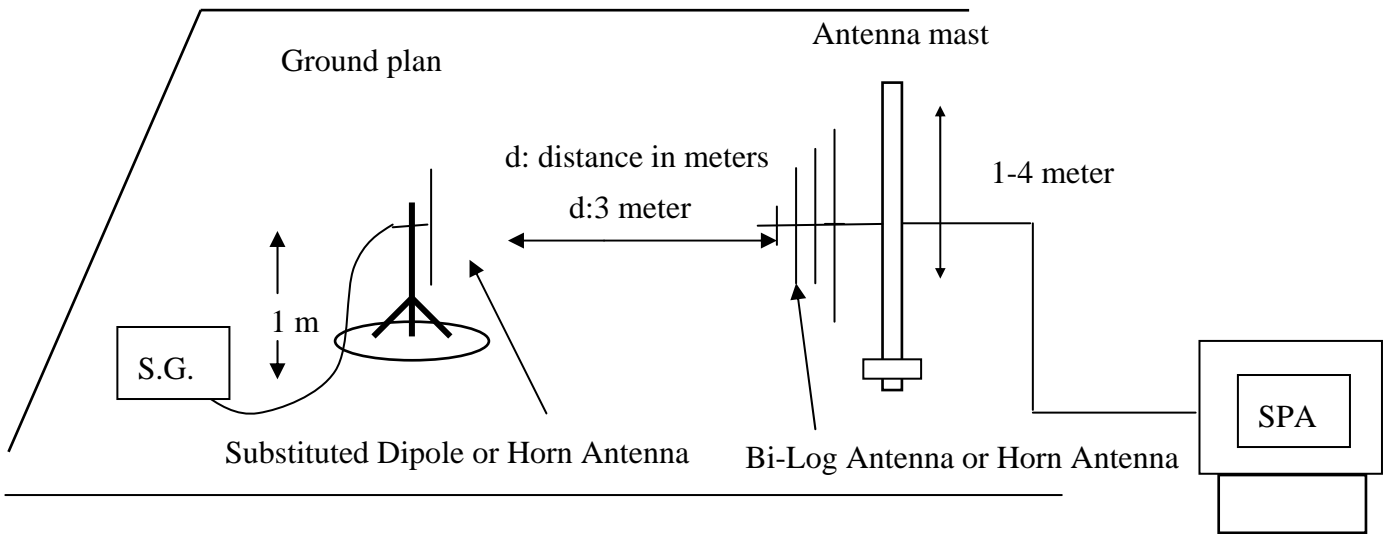


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(C) Substituted Method Test Set-UP



6.3. Measurement Procedure

1. The testing follows the Measurement Procedure of FCC KDB 971168 D01
2. The EUT was placed on a non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.
3. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated
4. The testing follows the Measurement Procedure of FCC KDB 971168 D01
5. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a tx cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step b. Record the power level of S.G.
6. $ERP = S.G. \text{ output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$
7. $ERP = S.G. \text{ output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$
8. Spectrum setting:
 - (1) Detector = Peak, marker the highest value of the detector by maximum hold, set RBW wide enough to capture the entire signal of emission, and $VBW \geq 3 \times RBW$.
 - (2) KDB 971168 D01 is adopted, and the procedure as lists under item 4, Measurement of the Average Power over the Fundamental Signal Bandwidth, is followed to set correspondingly for the acquisition of proper measurement data.

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Set frequency = nominal signal center frequency;
Set span = 2 X occupied BW;
Set RBW \approx 1~5% of the span, not to exceed 1 MHz
Set VBW = 3 x RBW;
Select average power (RMS) detector
Set sweep time and number of measurement points to achieve a minimum of 1 millisecond/pt
integration time (ex. Point = 601points, then sweep time = $601 \times 10^{-3} = 6s$.)

Activate trace averaging routine over a minimum of 10 sweeps;
Activate marker/span pair and set span = signal or channel bandwidth;
Activate the band/interval power marker function;
Record the band power level;

Record adjusted value as the average signal power level. Then activate the occupied bandwidth measurement function.

The proper adjustment due to limitation of spectrum capability is given compensated to spectrum with conversion factor of $10 \times \log(TBW/RBW)$, where TBW is the transmission of UE exceeding the maximum BW UE can extend, and RBW is the resolution BW in UE.

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6.4. Measurement Equipment Used

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	E4446A	MY51100003	01/29/2015	01/28/2016
EXA Spectrum Analyzer	Agilent	N9010A	MY50420195	12/22/2014	12/21/2015
Spectrum Analyzer	R&S	FSV-30	101398	10/07/2014	10/06/2015
Bilog Antenna	SCHWAZBECK	VULB9168	378	12/23/2014	12/22/2015
Bilog Antenna	SCHWAZBECK	VULB9160	3158	10/31/2014	10/30/2015
Horn antenna	ETS.LINDGREN	3117	123995	05/05/2015	05/04/2016
Horn antenna	ETS.LINDGREN	3117	123991	12/19/2014	12/18/2015
Horn Antenna	Schwarzbeck	BBHA9170	184	12/25/2014	12/24/2015
Horn Antenna	Schwarzbeck	BBHA9170	185	07/25/2015	07/24/2016
Network Analyze	Anritsu	MS4644A	1216312	05/23/2015	05/22/2016
Signal Generator	Agilent	E4438C	MY45093613	07/31/2015	07/30/2016
Pre-Amplifier	Agilent	8447D	1937A02834	01/02/2015	01/01/2016
Pre-Amplifier	Agilent	8449B	3008A00578	01/02/2015	01/01/2016
Pre-Amplifier	EMC Instruments Corp.	EMC184045	980135	01/02/2015	01/01/2016
Attenuator	Mini-Circuit	BW-S10W2+	004	01/02/2015	01/01/2016
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2015	02/10/2016
Radio Communication Analyzer	Anritsu	MT8820C	6200995019	25/09/2015	24/09/2016
Turn Table	HD	DT420	N/A	N.C.R	N.C.R
Antenna Tower	ChamPro	AM-BS-4500-B	060776-ABS	N.C.R	N.C.R
Controller	ChamPro	EM1000	060776	N.C.R	N.C.R
Low Loss Cable	HUBER+SUHNER	966_Tx	10m	01/02/2015	01/01/2016
Low Loss Cable	HUBER+SUHNER	966_Rx	3m	01/02/2015	01/01/2016
Filter 800-1000	Micro-Tronics	EWT	M2	01/02/2015	01/01/2016
Filter 1800-2000	Micro-Tronics	EWT	M2	01/02/2015	01/01/2016
Filter 1700-1800	Micro-Tronics	BRC15751	001	01/02/2015	01/01/2016
1GHz High Pass Filter	Micro-Tronics	HPM50108	32	01/02/2015	01/01/2016
2GHz High Pass Filter	Micro-Tronics	HPM50110	36	01/02/2015	01/01/2016
3m Site NSA	SGS	966 chamber	N/A	07/01/2015	06/30/2016

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6.5. Measurement Result: (Peak) –using option of peak measurement

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 1.4M QPSK RB: 1,0	1850.7	18607	V	25.55	5.36	-5.36	25.55	33.01
			H	23.96	5.36	-5.36	23.96	33.01
	1880.0	18900	V	24.71	5.29	-5.41	24.59	33.01
			H	23.43	5.29	-5.41	23.31	33.01
	1909.3	19193	V	23.69	5.22	-5.39	23.52	33.01
			H	22.20	5.22	-5.39	22.03	33.01
BAND 2 BW: 1.4M QPSK RB: 1,5	1850.7	18607	V	25.55	5.36	-5.36	25.55	33.01
			H	24.24	5.36	-5.36	24.24	33.01
	1880.0	18900	V	24.75	5.29	-5.41	24.63	33.01
			H	24.42	5.29	-5.41	24.30	33.01
	1909.3	19193	V	23.50	5.22	-5.39	23.33	33.01
			H	22.21	5.22	-5.39	22.04	33.01
BAND 2 BW: 1.4M 16QAM RB: 1,0	1850.7	18607	V	25.19	5.36	-5.36	25.19	33.01
			H	23.84	5.36	-5.36	23.84	33.01
	1880.0	18900	V	25.02	5.29	-5.41	24.90	33.01
			H	23.56	5.29	-5.41	23.44	33.01
	1909.3	19193	V	23.77	5.22	-5.39	23.60	33.01
			H	22.50	5.22	-5.39	22.33	33.01
BAND 2 BW: 1.4M 16QAM RB: 1,5	1850.7	18607	V	25.70	5.36	-5.36	25.70	33.01
			H	23.84	5.36	-5.36	23.84	33.01
	1880.0	18900	V	25.03	5.29	-5.41	24.91	33.01
			H	23.54	5.29	-5.41	23.42	33.01
	1909.3	19193	V	24.08	5.22	-5.39	23.91	33.01
			H	22.38	5.22	-5.39	22.21	33.01

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 3M QPSK RB: 1,0	1851.5	18615	V	25.51	5.36	-5.36	25.51	33.01
			H	23.99	5.36	-5.36	23.99	33.01
	1880.0	18900	V	25.31	5.29	-5.41	25.19	33.01
			H	23.72	5.29	-5.41	23.60	33.01
	1908.5	19185	V	23.85	5.22	-5.39	23.68	33.01
			H	22.65	5.22	-5.39	22.48	33.01
BAND 2 BW: 3M QPSK RB: 1,14	1851.5	18615	V	25.49	5.35	-5.36	25.48	33.01
			H	24.34	5.35	-5.36	24.33	33.01
	1880.0	18900	V	24.79	5.28	-5.42	24.65	33.01
			H	23.70	5.28	-5.42	23.56	33.01
	1908.5	19185	V	23.86	5.22	-5.39	23.69	33.01
			H	22.37	5.22	-5.39	22.20	33.01
BAND 2 BW: 3M 16QAM RB: 1,0	1851.5	18615	V	25.27	5.36	-5.36	25.27	33.01
			H	23.99	5.36	-5.36	23.99	33.01
	1880.0	18900	V	24.88	5.29	-5.41	24.76	33.01
			H	23.46	5.29	-5.41	23.34	33.01
	1908.5	19185	V	23.67	5.22	-5.39	23.50	33.01
			H	22.39	5.22	-5.39	22.22	33.01
BAND 2 BW: 3M 16QAM RB: 1,14	1851.5	18615	V	25.31	5.35	-5.36	25.30	33.01
			H	24.27	5.35	-5.36	24.26	33.01
	1880.0	18900	V	24.77	5.28	-5.42	24.63	33.01
			H	23.72	5.28	-5.42	23.58	33.01
	1908.5	19185	V	23.43	5.22	-5.39	23.26	33.01
			H	23.43	5.22	-5.39	23.26	33.01

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 5M QPSK RB: 1,0	1852.5	18625	V	25.13	5.36	-5.36	25.13	33.01
			H	23.49	5.36	-5.36	23.49	33.01
	1880.0	18900	V	24.57	5.29	-5.40	24.46	33.01
			H	22.80	5.29	-5.40	22.69	33.01
	1907.5	19175	V	23.44	5.23	-5.39	23.28	33.01
			H	21.87	5.23	-5.39	21.71	33.01
BAND 2 BW: 5M QPSK RB: 1,24	1852.5	18625	V	25.44	5.35	-5.36	25.43	33.01
			H	23.98	5.35	-5.36	23.97	33.01
	1880.0	18900	V	24.36	5.28	-5.42	24.22	33.01
			H	23.31	5.28	-5.42	23.17	33.01
	1907.5	19175	V	23.47	5.21	-5.39	23.29	33.01
			H	21.73	5.21	-5.39	21.55	33.01
BAND 2 BW: 5M 16QAM RB: 1,0	1852.5	18625	V	24.94	5.36	-5.36	24.94	33.01
			H	23.44	5.36	-5.36	23.44	33.01
	1880.0	18900	V	24.46	5.29	-5.40	24.35	33.01
			H	23.95	5.29	-5.40	23.84	33.01
	1907.5	19175	V	23.48	5.23	-5.39	23.32	33.01
			H	22.18	5.23	-5.39	22.02	33.01
BAND 2 BW: 5M 16QAM RB: 1,24	1852.5	18625	V	25.30	5.35	-5.35	25.30	33.01
			H	23.86	5.35	-5.35	23.86	33.01
	1880.0	18900	V	24.30	5.28	-5.42	24.16	33.01
			H	23.29	5.28	-5.42	23.15	33.01
	1907.5	19175	V	23.11	5.22	-5.39	22.94	33.01
			H	21.84	5.22	-5.39	21.67	33.01

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 10M QPSK RB: 1,0	1855.0	18650	V	25.57	5.36	-5.36	25.57	33.01
			H	23.45	5.36	-5.36	23.45	33.01
	1880.0	18900	V	25.32	5.30	-5.39	25.23	33.01
			H	22.20	5.30	-5.39	22.11	33.01
	1905.0	19150	V	23.93	5.24	-5.39	23.78	33.01
			H	22.04	5.24	-5.39	21.89	33.01
BAND 2 BW: 10M QPSK RB: 1,49	1855.0	18650	V	26.00	5.34	-5.35	25.99	33.01
			H	23.61	5.34	-5.35	23.60	33.01
	1880.0	18900	V	24.37	5.28	-5.43	24.22	33.01
			H	23.84	5.28	-5.43	23.69	33.01
	1905.0	19150	V	23.19	5.22	-5.39	23.02	33.01
			H	21.90	5.22	-5.39	21.73	33.01
BAND 2 BW: 10M 16QAM RB: 1,0	1855.0	18650	V	25.16	5.36	-5.36	25.16	33.01
			H	23.68	5.36	-5.36	23.68	33.01
	1880.0	18900	V	24.85	5.30	-5.39	24.76	33.01
			H	22.47	5.30	-5.39	22.38	33.01
	1905.0	19150	V	24.03	5.24	-5.39	23.88	33.01
			H	22.29	5.40	-5.39	22.30	33.01
BAND 2 BW: 10M 16QAM RB: 1,49	1855.0	18650	V	25.68	5.34	-5.35	25.67	33.01
			H	23.64	5.34	-5.35	23.63	33.01
	1880.0	18900	V	24.50	5.28	-5.43	24.35	33.01
			H	23.67	5.28	-5.43	23.52	33.01
	1905.0	19150	V	23.32	5.22	-5.39	23.15	33.01
			H	21.97	5.22	-5.39	21.80	33.01

Remark :

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t (886-2) 2299-3279

f (886-2) 2298-0488

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 15M QPSK RB: 1,0	1857.5	18675	V	24.59	5.36	-5.36	24.59	33.01
			H	23.59	5.36	-5.36	23.59	33.01
	1880.0	18900	V	24.51	5.30	-5.38	24.43	33.01
			H	22.97	5.30	-5.38	22.89	33.01
	1902.5	19125	V	24.37	5.25	-5.40	24.22	33.01
			H	21.80	5.25	-5.40	21.65	33.01
BAND 2 BW: 15M QPSK RB: 1,74	1857.5	18675	V	26.22	5.33	-5.35	26.20	33.01
			H	22.76	5.33	-5.35	22.74	33.01
	1880.0	18900	V	24.99	5.27	-5.42	24.84	33.01
			H	23.49	5.27	-5.42	23.34	33.01
	1902.5	19125	V	23.55	5.22	-5.39	23.38	33.01
			H	21.50	5.22	-5.39	21.33	33.01
BAND 2 BW: 15M 16QAM RB: 1,0	1857.5	18675	V	25.62	5.36	-5.36	25.62	33.01
			H	23.54	5.36	-5.36	23.54	33.01
	1880.0	18900	V	25.64	5.30	-5.38	25.56	33.01
			H	22.13	5.30	-5.38	22.05	33.01
	1902.5	19125	V	24.64	5.25	-5.40	24.49	33.01
			H	22.76	5.25	-5.40	22.61	33.01
BAND 2 BW: 15M 16QAM RB: 1,74	1857.5	18675	V	26.06	5.33	-5.35	26.04	33.01
			H	22.81	5.33	-5.35	22.79	33.01
	1880.0	18900	V	24.93	5.27	-5.42	24.78	33.01
			H	23.30	5.27	-5.42	23.15	33.01
	1902.5	19125	V	23.46	5.22	-5.39	23.29	33.01
			H	21.65	5.22	-5.39	21.48	33.01

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 2 BW: 20M QPSK RB: 1,0	1860.0	18700	V	26.61	5.35	-5.35	26.61	33.01
			H	23.65	5.35	-5.35	23.65	33.01
	1880.0	18900	V	27.22	5.30	-5.37	27.15	33.01
			H	25.86	5.30	-5.37	25.79	33.01
	1900.0	19100	V	25.48	5.26	-5.41	25.33	33.01
			H	22.90	5.26	-5.41	22.75	33.01
BAND 2 BW: 20M QPSK RB: 1,99	1860.0	18700	V	26.16	5.31	-5.36	26.11	33.01
			H	22.14	5.31	-5.36	22.09	33.01
	1880.0	18900	V	25.26	5.26	-5.41	25.11	33.01
			H	22.32	5.26	-5.41	22.17	33.01
	1900.0	19100	V	23.65	5.21	-5.39	23.47	33.01
			H	22.05	5.21	-5.39	21.87	33.01
BAND 2 BW: 20M 16QAM RB: 1,0	1860.0	18700	V	25.98	5.35	-5.35	25.98	33.01
			H	23.63	5.35	-5.35	23.63	33.01
	1880.0	18900	V	26.31	5.30	-5.36	26.25	33.01
			H	21.96	5.30	-5.36	21.90	33.01
	1900.0	19100	V	25.40	5.26	-5.41	25.25	33.01
			H	22.88	5.26	-5.41	22.73	33.01
BAND 2 BW: 20M 16QAM RB: 1,99	1860.0	18700	V	26.33	5.31	-5.35	26.29	33.01
			H	22.08	5.31	-5.35	22.04	33.01
	1880.0	18900	V	22.79	5.26	-5.41	22.64	33.01
			H	24.66	5.26	-5.41	24.51	33.01
	1900.0	19100	V	17.62	5.21	-5.39	17.44	33.01
			H	15.30	5.21	-5.39	15.12	33.01

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 1.4M/ QPSK RB: 1,0	1710.7	19957	V	24.57	5.69	-5.18	25.08	30.00
			H	23.61	5.69	-5.18	24.12	30.00
	1732.5	20175	V	26.53	5.64	-5.25	26.92	30.00
			H	26.08	5.64	-5.25	26.47	30.00
	1754.3	20393	V	26.47	5.59	-5.29	26.77	30.00
			H	26.48	5.59	-5.29	26.78	30.00
BAND 4 BW: 1.4M QPSK RB: 1,5	1710.7	19957	V	25.55	5.69	-5.18	26.06	30.00
			H	23.57	5.69	-5.18	24.08	30.00
	1732.5	20175	V	26.29	5.64	-5.25	26.68	30.00
			H	25.74	5.64	-5.25	26.13	30.00
	1754.3	20393	V	27.01	5.59	-5.29	27.31	30.00
			H	26.52	5.59	-5.29	26.82	30.00
BAND 4 BW: 1.4M 16QAM RB: 1,0	1710.7	19957	V	25.17	5.69	-5.18	25.68	30.00
			H	25.59	5.69	-5.18	26.1	30.00
	1732.5	20175	V	26.49	5.64	-5.25	26.88	30.00
			H	25.63	5.64	-5.25	26.02	30.00
	1754.3	20393	V	26.96	5.59	-5.29	27.26	30.00
			H	25.44	5.59	-5.29	25.74	30.00
BAND 4 BW: 1.4M 16QAM RB: 1,5	1710.7	19957	V	25.34	5.69	-5.18	25.85	30.00
			H	25.68	5.69	-5.18	26.19	30.00
	1732.5	20175	V	26.42	5.64	-5.25	26.81	30.00
			H	26.06	5.64	-5.25	26.45	30.00
	1754.3	20393	V	26.57	5.59	-5.29	26.87	30.00
			H	25.58	5.59	-5.29	25.88	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 3M QPSK RB: 1,0	1711.5	19965	V	25.74	5.69	-5.18	26.25	30.00
			H	26.08	5.69	-5.18	26.59	30.00
	1732.5	20175	V	26.61	5.64	-5.24	27.01	30.00
			H	25.58	5.64	-5.24	25.98	30.00
	1753.5	20385	V	27.43	5.59	-5.3	27.72	30.00
			H	25.54	5.59	-5.3	25.83	30.00
BAND 4 BW: 3M QPSK RB: 1,14	1711.5	19965	V	26.16	5.69	-5.18	26.67	30.00
			H	26.24	5.69	-5.18	26.75	30.00
	1732.5	20175	V	26.59	5.64	-5.26	26.97	30.00
			H	25.78	5.64	-5.26	26.16	30.00
	1753.5	20385	V	27.21	5.59	-5.29	27.51	30.00
			H	26.81	5.59	-5.29	27.11	30.00
BAND 4 BW: 3M 16QAM RB: 1,0	1711.5	19965	V	25.72	5.69	-5.18	26.23	30.00
			H	25.89	5.69	-5.18	26.4	30.00
	1732.5	20175	V	26.76	5.64	-5.24	27.16	30.00
			H	25.77	5.64	-5.24	26.17	30.00
	1753.5	20385	V	27.32	5.59	-5.3	27.61	30.00
			H	25.57	5.59	-5.3	25.86	30.00
BAND 4 BW: 3M 16QAM RB: 1,14	1711.5	19965	V	26.03	5.69	-5.18	26.54	30.00
			H	25.71	5.69	-5.18	26.22	30.00
	1732.5	20175	V	26.59	5.64	-5.25	26.98	30.00
			H	26.16	5.64	-5.25	26.55	30.00
	1753.5	20385	V	27.11	5.59	-5.29	27.41	30.00
			H	26.72	5.59	-5.29	27.02	30.00

Remark :

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 5M QPSK RB: 1,0	1712.5	19975	V	25.57	5.69	-5.18	26.08	30.00
			H	25.85	5.69	-5.18	26.36	30.00
	1732.5	20175	V	26.69	5.65	-5.24	27.1	30.00
			H	25.54	5.69	-5.24	25.99	30.00
	1752.5	20375	V	27.27	5.6	-5.31	27.56	30.00
			H	25.65	5.6	-5.31	25.94	30.00
BAND 4 BW: 5M QPSK RB: 1,24	1712.5	19975	V	26.15	5.68	-5.18	26.65	30.00
			H	25.55	5.68	-5.18	26.05	30.00
	1732.5	20175	V	26.73	5.64	-5.26	27.11	30.00
			H	26.2	5.64	-5.26	26.58	30.00
	1752.5	20375	V	26.97	5.59	-5.29	27.27	30.00
			H	26.69	5.59	-5.29	26.99	30.00
BAND 4 BW: 5M 16QAM RB: 1,0	1712.5	19975	V	25.28	5.69	-5.18	25.79	30.00
			H	25.41	5.69	-5.18	25.92	30.00
	1732.5	20175	V	26.72	5.65	-5.24	27.13	30.00
			H	25.57	5.65	-5.24	25.98	30.00
	1752.5	20375	V	26.73	5.6	-5.31	27.02	30.00
			H	25.49	5.6	-5.31	25.78	30.00
BAND 4 BW: 5M 16QAM RB: 1,24	1712.5	19975	V	25.80	5.68	-5.18	26.30	30.00
			H	25.70	5.68	-5.18	26.20	30.00
	1732.5	20175	V	26.62	5.64	-5.26	27.00	30.00
			H	26.19	5.64	-5.26	26.57	30.00
	1752.5	20375	V	26.98	5.59	-5.29	27.28	30.00
			H	26.46	5.59	-5.29	26.76	30.00

Remark :

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 10M QPSK RB: 1,0	1715.0	20000	V	25.58	5.69	-5.18	26.09	30.00
			H	25.78	5.69	-5.18	26.29	30.00
	1732.5	20175	V	26.77	5.65	-5.23	27.19	30.00
			H	26.09	5.65	-5.23	26.51	30.00
	1750.0	20350	V	27.34	5.61	-5.31	27.64	30.00
			H	25.67	5.61	-5.31	25.97	30.00
BAND 4 BW: 10M QPSK RB: 1,49	1715.0	20000	V	26.53	5.67	-5.20	27.00	30.00
			H	25.94	5.67	-5.20	26.41	30.00
	1732.5	20175	V	26.98	5.63	-5.27	27.34	30.00
			H	26.14	5.63	-5.27	26.50	30.00
	1750.0	20350	V	27.00	5.59	-5.29	27.30	30.00
			H	25.44	5.59	-5.29	25.74	30.00
BAND 4 BW: 10M 16QAM RB: 1,0	1715.0	20000	V	25.23	5.69	-5.18	25.74	30.00
			H	25.58	5.69	-5.18	26.09	30.00
	1732.5	20175	V	26.58	5.65	-5.23	27.00	30.00
			H	26.10	5.65	-5.23	26.52	30.00
	1750.0	20350	V	25.93	5.61	-5.31	26.23	30.00
			H	26.48	5.61	-5.31	26.78	30.00
BAND 4 BW: 10M 16QAM RB: 1,49	1715.0	20000	V	26.56	5.67	-5.20	27.03	30.00
			H	25.80	5.67	-5.20	26.27	30.00
	1732.5	20175	V	26.86	5.63	-5.27	27.22	30.00
			H	26.00	5.63	-5.27	26.36	30.00
	1750.0	20350	V	27.03	5.59	-5.29	27.33	30.00
			H	26.48	5.59	-5.29	26.78	30.00

Remark :

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 15M QPSK RB: 1,0	1717.5	20025	V	24.62	5.69	-5.18	25.13	30.00
			H	23.19	5.69	-5.18	23.70	30.00
	1732.5	20175	V	27.07	5.66	-5.22	27.51	30.00
			H	26.55	5.66	-5.22	26.99	30.00
	1747.5	20325	V	26.48	5.62	-5.29	26.81	30.00
			H	26.23	5.62	-5.29	26.56	30.00
BAND 4 BW: 15M QPSK RB: 1,74	1717.5	20025	V	26.64	5.66	-5.22	27.08	30.00
			H	22.20	5.66	-5.22	22.64	30.00
	1732.5	20175	V	27.08	5.63	-5.28	27.43	30.00
			H	26.35	5.63	-5.28	26.70	30.00
	1747.5	20325	V	26.95	5.90	-5.29	27.56	30.00
			H	25.89	5.90	-5.29	26.50	30.00
BAND 4 BW: 15M 16QAM RB: 1,0	1717.5	20025	V	24.88	5.69	-5.18	25.39	30.00
			H	25.45	5.69	-5.18	25.96	30.00
	1732.5	20175	V	26.99	5.66	-5.22	27.43	30.00
			H	26.34	5.66	-5.22	26.78	30.00
	1747.5	20325	V	26.10	5.62	-5.29	26.43	30.00
			H	25.85	5.62	-5.29	26.18	30.00
BAND 4 BW: 15M 16QAM RB: 1,74	1717.5	20025	V	26.92	5.66	-5.22	27.36	30.00
			H	25.81	5.66	-5.22	26.25	30.00
	1732.5	20175	V	26.11	5.62	-5.28	26.45	30.00
			H	26.30	5.62	-5.28	26.64	30.00
	1747.5	20325	V	26.76	5.59	-5.29	27.06	30.00
			H	26.26	5.59	-5.29	26.56	30.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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t (886-2) 2299-3279

f (886-2) 2298-0488

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
BAND 4 BW: 20M QPSK RB: 1,0	1720.0	20050	V	25.66	5.69	-5.18	26.17	30.00
			H	25.69	5.69	-5.18	26.20	30.00
	1732.5	20175	V	27.43	5.66	-5.22	27.87	30.00
			H	26.34	5.66	-5.22	26.78	30.00
	1745.0	20300	V	26.21	5.63	-5.27	26.57	30.00
			H	26.30	5.63	-5.27	26.66	30.00
BAND 4 BW: 20M QPSK RB: 1,99	1720.0	20050	V	26.49	5.65	-5.23	26.91	30.00
			H	25.72	5.65	-5.23	26.14	30.00
	1732.5	20175	V	27.27	5.62	-5.29	27.60	30.00
			H	26.05	5.62	-5.29	26.38	30.00
	1745.0	20300	V	27.09	5.59	-5.29	27.39	30.00
			H	26.32	5.59	-5.29	26.62	30.00
BAND 4 BW: 20M 16QAM RB: 1,0	1720.0	20050	V	25.42	5.69	-5.18	25.93	30.00
			H	23.80	5.69	-5.18	24.31	30.00
	1732.5	20175	V	27.16	5.66	-5.22	27.60	30.00
			H	26.31	5.66	-5.22	26.75	30.00
	1745.0	20300	V	26.98	5.63	-5.27	27.34	30.00
			H	24.65	5.63	-5.27	25.01	30.00
BAND 4 BW: 20M 16QAM RB: 1,99	1720.0	20050	V	26.57	5.65	-5.23	26.99	30.00
			H	25.76	5.65	-5.23	26.18	30.00
	1732.5	20175	V	26.19	5.62	-5.29	26.52	30.00
			H	25.54	5.62	-5.29	25.87	30.00
	1745.0	20300	V	26.99	5.59	-5.29	27.29	30.00
			H	25.08	5.59	-5.29	25.38	30.00

Remark :

(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 5 BW: 1.4M QPSK RB: 1,0	824.7	20407	V	16.99	5.13	-3.42	18.70	38.45
			H	26.01	5.13	-3.55	27.59	38.45
	836.5	20525	V	17.54	5.09	-3.37	19.26	38.45
			H	25.74	5.10	-3.34	27.50	38.45
	848.3	20643	V	16.37	5.05	-3.45	17.97	38.45
			H	24.63	5.05	-3.48	26.20	38.45
BAND 5 BW: 1.4M QPSK RB: 1,5	824.7	20407	V	16.75	5.13	-3.44	18.44	38.45
			H	25.83	5.13	-3.41	27.55	38.45
	836.5	20525	V	17.65	5.09	-3.39	19.35	38.45
			H	26.00	5.09	-3.39	27.70	38.45
	848.3	20643	V	16.49	5.05	-3.58	17.96	38.45
			H	24.79	5.05	-3.58	26.26	38.45
BAND 5 BW: 1.4M 16QAM RB: 1,0	824.7	20407	V	17.10	5.14	-3.56	18.68	38.45
			H	26.05	5.14	-3.56	27.63	38.45
	836.5	20525	V	17.41	5.10	-3.35	19.16	38.45
			H	25.60	5.10	-3.35	27.35	38.45
	848.3	20643	V	16.39	5.05	-3.45	17.99	38.45
			H	24.60	5.05	-3.45	26.20	38.45
BAND 5 BW: 1.4M 16QAM RB: 1,5	824.7	20407	V	16.80	5.13	-3.42	18.51	38.45
			H	25.81	5.13	-3.42	27.52	38.45
	836.5	20525	V	17.66	5.09	-3.36	19.39	38.45
			H	25.89	5.09	-3.36	27.62	38.45
	848.3	20643	V	16.48	5.05	-3.51	18.02	38.45
			H	24.81	5.05	-3.51	26.35	38.45

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 5 BW: 3M QPSK RB: 1,0	825.5	20415	V	17.12	5.13	-3.52	18.73	38.45
			H	26.53	5.13	-3.52	28.14	38.45
	836.5	20525	V	17.45	5.10	-3.41	19.14	38.45
			H	25.73	5.10	-3.41	27.42	38.45
	847.5	20635	V	16.19	5.06	-3.40	17.85	38.45
			H	24.41	5.06	-3.40	26.07	38.45
BAND 5 BW: 3M QPSK RB: 1,14	825.5	20415	V	16.60	5.12	-3.34	18.38	38.45
			H	25.79	5.12	-3.34	27.57	38.45
	836.5	20525	V	17.73	5.09	-3.39	19.43	38.45
			H	26.29	5.09	-3.39	27.99	38.45
	847.5	20635	V	16.58	5.05	-3.51	18.12	38.45
			H	25.02	5.05	-3.51	26.56	38.45
BAND 5 BW: 3M 16QAM RB: 1,0	825.5	20415	V	16.99	5.13	-3.49	18.63	38.45
			H	26.50	5.13	-3.49	28.14	38.45
	836.5	20525	V	17.22	5.10	-3.33	18.99	38.45
			H	25.72	5.10	-3.33	27.49	38.45
	847.5	20635	V	16.32	5.06	-3.51	17.87	38.45
			H	24.90	5.06	-3.51	26.45	38.45
BAND 5 BW: 3M 16QAM RB: 1,14	825.5	20415	V	16.77	5.12	-3.35	18.54	38.45
			H	25.93	5.12	-3.35	27.70	38.45
	836.5	20525	V	17.85	5.09	-3.42	19.52	38.45
			H	26.14	5.09	-3.42	27.81	38.45
	847.5	20635	V	16.69	5.06	-3.52	18.23	38.45
			H	24.48	5.06	-3.52	26.02	38.45

Remark :

(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 5 BW: 5M QPSK RB: 1,0	826.5	20425	V	17.01	5.13	-3.51	18.63	38.45
			H	26.53	5.13	-3.51	28.15	38.45
	836.5	20525	V	17.24	5.10	-3.44	18.90	38.45
			H	25.66	5.10	-3.44	27.32	38.45
	846.5	20625	V	16.60	5.06	-3.39	18.27	38.45
			H	24.70	5.06	-3.39	26.37	38.45
BAND 5 BW: 5M QPSK RB: 1,24	826.5	20425	V	16.62	5.12	-3.43	18.31	38.45
			H	25.56	5.12	-3.43	27.25	38.45
	836.5	20525	V	17.56	5.09	-3.42	19.23	38.45
			H	25.88	5.09	-3.42	27.55	38.45
	846.5	20625	V	16.42	5.05	-3.47	18.00	38.45
			H	24.68	5.05	-3.47	26.26	38.45
BAND 5 BW: 5M 16QAM RB: 1,0	826.5	20425	V	17.01	5.13	-3.49	18.65	38.45
			H	26.31	5.13	-3.49	27.95	38.45
	836.5	20525	V	17.18	5.10	-3.49	18.79	38.45
			H	25.66	5.10	-3.49	27.27	38.45
	846.5	20625	V	16.59	5.07	-3.39	18.27	38.45
			H	24.82	5.07	-3.39	26.50	38.45
BAND 5 BW: 5M 16QAM RB: 1,24	826.5	20425	V	16.75	5.12	-3.43	18.44	38.45
			H	25.55	5.12	-3.43	27.24	38.45
	836.5	20525	V	17.67	5.08	-3.43	19.32	38.45
			H	25.92	5.08	-3.43	27.57	38.45
	846.5	20625	V	16.52	5.05	-3.56	18.01	38.45
			H	24.93	5.05	-3.56	26.42	38.45

Remark :

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 5 BW: 10M QPSK RB: 1,0	829.0	20450	V	16.79	5.13	-3.47	18.45	38.45
			H	26.37	5.13	-3.47	28.03	38.45
	836.5	20525	V	17.14	5.11	-3.57	18.68	38.45
			H	25.49	5.11	-3.57	27.03	38.45
	844.0	20600	V	17.50	5.08	-3.44	19.14	38.45
			H	25.71	5.08	-3.44	27.35	38.45
BAND 5 BW: 10M QPSK RB: 1,49	829.0	20450	V	17.26	5.10	-3.54	18.82	38.45
			H	25.63	5.10	-3.54	27.19	38.45
	836.5	20525	V	17.79	5.08	-3.66	19.21	38.45
			H	26.05	5.08	-3.66	27.47	38.45
	844.0	20600	V	16.50	5.05	-3.43	18.12	38.45
			H	24.67	5.05	-3.43	26.29	38.45
BAND 5 BW: 10M 16QAM RB: 1,0	829.0	20450	V	16.75	5.13	-3.47	18.41	38.45
			H	26.16	5.13	-3.47	27.82	38.45
	836.5	20525	V	17.04	5.11	-3.54	18.61	38.45
			H	25.49	5.11	-3.54	27.06	38.45
	844.0	20600	V	17.59	5.09	-3.44	19.24	38.45
			H	25.57	5.09	-3.44	27.22	38.45
BAND 5 BW: 10M 16QAM RB: 1,49	829.0	20450	V	17.13	5.11	-3.57	18.67	38.45
			H	25.71	5.11	-3.57	27.25	38.45
	836.5	20525	V	17.49	5.08	-3.67	18.90	38.45
			H	26.24	5.08	-3.67	27.65	38.45
	844.0	20600	V	16.27	5.05	-3.42	17.90	38.45
			H	24.66	5.05	-3.42	26.29	38.45

Remark :

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 12 BW: 1.4M QPSK RB: 1,0	699.7	23017	V	11.59	5.05	-3.27	13.37	34.77
			H	18.63	5.05	-3.27	20.41	34.77
	707.5	23095	V	13.61	5.07	-3.27	15.41	34.77
			H	19.43	5.07	-3.27	21.23	34.77
	715.3	23173	V	12.70	5.09	-3.22	14.57	34.77
			H	20.13	5.09	-3.22	22.00	34.77
BAND 12 BW: 1.4M QPSK RB: 1,5	699.7	23017	V	11.90	5.05	-3.15	13.80	34.77
			H	18.91	5.06	-3.15	20.82	34.77
	707.5	23095	V	11.87	5.07	-3.31	13.63	34.77
			H	19.09	5.07	-3.31	20.85	34.77
	715.3	23173	V	12.89	5.09	-3.27	14.71	34.77
			H	20.11	5.09	-3.27	21.93	34.77
BAND 12 BW: 1.4M 16QAM RB: 1,0	699.7	23017	V	11.60	5.05	-3.22	13.43	34.77
			H	18.55	5.05	-3.22	20.38	34.77
	707.5	23095	V	12.14	5.07	-3.25	13.96	34.77
			H	19.39	5.07	-3.25	21.21	34.77
	715.3	23173	V	12.88	5.09	-3.16	14.81	34.77
			H	20.07	5.08	-3.16	21.99	34.77
BAND 12 BW: 1.4M 16QAM RB: 1,5	699.7	23017	V	11.60	5.06	-3.14	13.52	34.77
			H	19.02	5.06	-3.14	20.94	34.77
	707.5	23095	V	11.99	5.07	-3.31	13.75	34.77
			H	19.13	5.07	-3.31	20.89	34.77
	715.3	23173	V	12.85	5.09	-3.31	14.63	34.77
			H	20.19	5.09	-3.31	21.97	34.77

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 12 BW: 3M QPSK RB: 1,0	700.5	23025	V	11.46	5.05	-3.27	13.24	34.77
			H	18.66	5.05	-3.27	20.44	34.77
	707.5	23095	V	12.37	5.07	-3.20	14.24	34.77
			H	19.57	5.07	-3.20	21.44	34.77
	714.5	23165	V	12.50	5.08	-3.11	14.47	34.77
			H	20.53	5.08	-3.11	22.50	34.77
BAND 12 BW: 3M QPSK RB: 1,14	700.5	23025	V	11.95	5.06	-3.05	13.96	34.77
			H	19.52	5.06	-3.05	21.53	34.77
	707.5	23095	V	11.77	5.07	-3.27	13.57	34.77
			H	18.99	5.07	-3.27	20.79	34.77
	714.5	23165	V	12.93	5.09	-3.33	14.69	34.77
			H	20.28	5.09	-3.33	22.04	34.77
BAND 12 BW: 3M 16QAM RB: 1,0	700.5	23025	V	11.46	5.05	-3.24	13.27	34.77
			H	18.60	5.05	-3.24	20.41	34.77
	707.5	23095	V	12.27	5.07	-3.18	14.16	34.77
			H	19.61	5.07	-3.18	21.50	34.77
	714.5	23165	V	12.55	5.08	-3.11	14.52	34.77
			H	19.99	5.08	-3.11	21.96	34.77
BAND 12 BW: 3M 16QAM RB: 1,14	700.5	23025	V	12.26	5.06	-3.05	14.27	34.77
			H	19.56	5.06	-3.05	21.57	34.77
	707.5	23095	V	11.78	5.07	-3.25	13.60	34.77
			H	19.03	5.07	-3.25	20.85	34.77
	714.5	23165	V	12.87	5.09	-3.32	14.64	34.77
			H	20.31	5.09	-3.32	22.08	34.77

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 12 BW: 5M QPSK RB: 1,0	701.5	23035	V	11.44	5.05	-3.23	13.26	34.77
			H	18.74	5.05	-3.23	20.56	34.77
	707.5	23095	V	12.60	5.07	-3.18	14.49	34.77
			H	19.64	5.07	-3.18	21.53	34.77
	713.5	23155	V	11.83	-5.08	-3.08	3.67	34.77
			H	19.28	5.08	-3.08	21.28	34.77
BAND 12 BW: 5M QPSK RB: 1,24	701.5	23035	V	12.19	5.06	-3.14	14.11	34.77
			H	19.94	5.06	-3.14	21.86	34.77
	707.5	23095	V	11.75	5.07	-3.19	13.63	34.77
			H	19.07	5.07	-3.19	20.95	34.77
	713.5	23155	V	12.53	5.09	-3.31	14.31	34.77
			H	20.14	5.09	-3.31	21.92	34.77
BAND 12 BW: 5M 16QAM RB: 1,0	701.5	23035	V	11.55	5.05	-3.24	13.36	34.77
			H	18.77	5.05	-3.24	20.58	34.77
	707.5	23095	V	12.57	5.06	-3.18	14.45	34.77
			H	19.69	5.06	-3.18	21.57	34.77
	713.5	23155	V	11.84	5.08	3.08	20.00	34.77
			H	19.42	5.08	-3.08	21.42	34.77
BAND 12 BW: 5M 16QAM RB: 1,24	701.5	23035	V	12.32	5.06	-3.05	14.33	34.77
			H	19.13	5.06	-3.05	21.14	34.77
	707.5	23095	V	11.71	5.07	-3.17	13.61	34.77
			H	18.99	5.07	-3.17	20.89	34.77
	713.5	23155	V	12.66	5.09	-3.33	14.42	34.77
			H	20.07	5.09	-3.33	21.83	34.77

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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t (886-2) 2299-3279

f (886-2) 2298-0488

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 12 BW: 10M QPSK RB: 1,0	704.0	23060	V	11.59	5.05	-3.27	13.37	34.77
			H	18.89	5.05	-3.27	20.67	34.77
	707.5	23095	V	12.46	5.06	-3.11	14.41	34.77
			H	19.60	5.06	-3.10	21.56	34.77
	711.0	23130	V	11.89	5.07	-3.22	13.74	34.77
			H	19.64	5.07	-3.22	21.49	34.77
BAND 12 BW: 10M QPSK RB: 1,49	704.0	23060	V	11.53	5.07	-3.28	13.32	34.77
			H	19.20	5.07	-3.28	20.99	34.77
	707.5	23095	V	12.28	5.08	-3.09	14.27	34.77
			H	19.55	5.08	-3.09	21.54	34.77
	711.0	23130	V	12.56	5.09	-3.30	14.35	34.77
			H	20.04	5.09	-3.30	21.83	34.77
BAND 12 BW: 10M 16QAM RB: 1,0	704.0	23060	V	11.33	5.05	-3.23	13.15	34.77
			H	18.86	5.05	-3.23	20.68	34.77
	707.5	23095	V	12.39	5.06	-3.12	14.33	34.77
			H	19.54	5.06	-3.12	21.48	34.77
	711.0	23130	V	11.96	5.07	-3.22	13.81	34.77
			H	19.43	5.07	-3.22	21.28	34.77
BAND 12 BW: 10M 16QAM RB: 1,49	704.0	23060	V	11.47	5.07	-3.28	13.26	34.77
			H	19.08	5.07	-3.28	20.87	34.77
	707.5	23095	V	12.04	5.08	-3.09	14.03	34.77
			H	19.34	5.08	-3.09	21.33	34.77
	711.0	23130	V	12.52	5.09	-3.26	14.35	34.77
			H	19.82	5.09	-3.26	21.65	34.77

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 25 BW: 1.4M/ QPSK RB: 1,0	1850.7	26047	V	23.25	5.36	-5.36	23.25	33.00
			H	24.02	5.36	-5.36	24.02	33.00
	1882.5	26365	V	23.53	5.28	-5.42	23.39	33.00
			H	24.78	5.28	-5.42	24.64	33.00
	1914.3	26683	V	21.29	5.21	-5.39	21.11	33.00
			H	24.38	5.21	-5.39	24.20	33.00
BAND 25 BW: 1.4M QPSK RB: 1,5	1850.7	26047	V	23.20	5.36	-5.36	23.20	33.00
			H	24.06	5.36	-5.36	24.06	33.00
	1882.5	26365	V	23.46	5.28	-5.43	23.31	33.00
			H	24.64	5.28	-5.43	24.49	33.00
	1914.3	26683	V	21.09	5.20	-5.39	20.90	33.00
			H	24.53	5.20	-5.39	24.34	33.00
BAND 25 BW: 1.4M 16QAM RB: 1,0	1850.7	26047	V	23.33	5.36	-5.36	23.33	33.00
			H	23.90	5.36	-5.36	23.90	33.00
	1882.5	26365	V	23.12	5.28	-5.42	22.98	33.00
			H	24.64	5.28	-5.42	24.50	33.00
	1914.3	26683	V	21.40	5.21	-5.39	21.22	33.00
			H	24.50	5.21	-5.39	24.32	33.00
BAND 25 BW: 1.4M 16QAM RB: 1,5	1850.7	26047	V	23.13	5.36	-5.36	23.13	33.00
			H	24.00	5.36	-5.36	24.00	33.00
	1882.5	26365	V	23.33	5.28	-5.43	23.18	33.00
			H	24.68	5.28	-5.43	24.53	33.00
	1914.3	26683	V	21.02	5.20	-5.39	20.83	33.00
			H	24.15	5.20	-5.39	23.96	33.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 25 BW: 3M QPSK RB: 1,0	1851.5	26055	V	22.92	5.36	-5.36	22.92	33.00
			H	23.67	5.36	-5.36	23.67	33.00
	1882.5	26365	V	23.71	5.28	-5.42	23.57	33.00
			H	25.11	5.28	-5.42	24.97	33.00
	1913.5	26675	V	21.84	5.21	-5.39	21.66	33.00
			H	24.70	5.21	-5.39	24.52	33.00
BAND 25 BW: 3M QPSK RB: 1,14	1851.5	26055	V	22.95	5.35	-5.36	22.94	33.00
			H	23.73	5.35	-5.36	23.72	33.00
	1882.5	26365	V	23.54	5.28	-5.43	23.39	33.00
			H	24.36	5.28	-5.43	24.21	33.00
	1913.5	26675	V	21.14	5.20	-5.39	20.95	33.00
			H	24.17	5.20	-5.39	23.98	33.00
BAND 25 BW: 3M 16QAM RB: 1,0	1851.5	26055	V	23.07	5.36	-5.36	23.07	33.00
			H	23.68	5.36	-5.36	23.68	33.00
	1882.5	26365	V	23.32	5.28	-5.42	23.18	33.00
			H	24.77	5.28	-5.42	24.63	33.00
	1913.5	26675	V	21.91	5.21	-5.39	21.73	33.00
			H	24.71	5.21	-5.39	24.53	33.00
BAND 25 BW: 3M 16QAM RB: 1,14	1851.5	26055	V	22.95	5.35	-5.36	22.94	33.00
			H	23.79	5.35	-5.36	23.78	33.00
	1882.5	26365	V	23.41	5.28	-5.43	23.26	33.00
			H	24.44	5.28	-5.43	24.29	33.00
	1913.5	26675	V	21.30	5.20	-5.39	21.11	33.00
			H	24.14	5.20	-5.39	23.95	33.00

Remark :

(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 25 BW: 5M QPSK RB: 1,0	1852.5	26065	V	23.05	5.36	-5.36	23.05	33.00
			H	23.71	5.36	-5.36	23.71	33.00
	1882.5	26365	V	23.42	5.29	-5.42	23.29	33.00
			H	25.82	5.29	-5.42	25.69	33.00
	1912.5	26665	V	21.87	5.21	-5.39	21.69	33.00
			H	24.35	5.21	-5.39	24.17	33.00
BAND 25 BW: 5M QPSK RB: 1,24	1852.5	26065	V	22.85	5.35	-5.36	22.84	33.00
			H	23.63	5.35	-5.36	23.62	33.00
	1882.5	26365	V	23.81	5.28	-5.43	23.66	33.00
			H	25.14	5.28	-5.43	24.99	33.00
	1912.5	26665	V	21.18	5.20	-5.39	20.99	33.00
			H	23.98	5.20	-5.39	23.79	33.00
BAND 25 BW: 5M 16QAM RB: 1,0	1852.5	26065	V	22.99	5.36	-5.36	22.99	33.00
			H	23.57	5.36	-5.36	23.57	33.00
	1882.5	26365	V	23.39	5.29	-5.41	23.27	33.00
			H	25.22	5.29	-5.41	25.10	33.00
	1912.5	26665	V	21.95	5.21	-5.39	21.77	33.00
			H	24.34	5.21	-5.39	24.16	33.00
BAND 25 BW: 5M 16QAM RB: 1,24	1852.5	26065	V	22.71	5.35	-5.36	22.70	33.00
			H	23.58	5.35	-5.36	23.57	33.00
	1882.5	26365	V	23.68	5.28	-5.43	23.53	33.00
			H	24.65	5.28	-5.43	24.50	33.00
	1912.5	26665	V	21.32	5.20	-5.39	21.13	33.00
			H	24.09	5.20	-5.39	23.90	33.00

Remark :

(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 25 BW: 10M QPSK RB: 1,0	1855.0	26090	V	23.07	5.35	-5.35	23.07	33.00
			H	23.65	5.35	-5.35	23.65	33.00
	1882.5	26365	V	23.30	5.29	-5.40	23.19	33.00
			H	26.41	5.29	-5.40	26.30	33.00
	1910.0	26640	V	21.97	5.22	-5.39	21.80	33.00
			H	23.82	5.22	-5.39	23.65	33.00
BAND 25 BW: 10M QPSK RB: 1,49	1855.0	26090	V	23.07	5.33	-5.35	23.05	33.00
			H	23.89	5.33	-5.35	23.87	33.00
	1882.5	26365	V	23.69	5.27	-5.42	23.54	33.00
			H	25.16	5.26	-5.42	25.00	33.00
	1910.0	26640	V	21.12	5.20	-5.39	20.93	33.00
			H	24.40	5.20	-5.39	24.21	33.00
BAND 25 BW: 10M 16QAM RB: 1,0	1855.0	26090	V	23.02	5.35	-5.35	23.02	33.00
			H	23.51	5.35	-5.35	23.51	33.00
	1882.5	26365	V	23.27	5.29	-5.40	23.16	33.00
			H	26.24	5.29	-5.40	26.13	33.00
	1910.0	26640	V	21.93	5.22	-5.39	21.76	33.00
			H	23.76	5.22	-5.39	23.59	33.00
BAND 25 BW: 10M 16QAM RB: 1,49	1855.0	26090	V	22.85	5.33	-5.35	22.83	33.00
			H	23.77	5.33	-5.35	23.75	33.00
	1882.5	26365	V	23.61	5.27	-5.42	23.46	33.00
			H	24.90	5.27	-5.42	24.75	33.00
	1910.0	26640	V	21.15	5.20	-5.39	20.96	33.00
			H	24.17	5.20	-5.39	23.98	33.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 25 BW: 15M QPSK RB: 1,0	1857.5	26115	V	22.98	5.35	-5.35	22.98	33.00
			H	23.61	5.35	-5.35	23.61	33.00
	1882.5	26365	V	23.25	5.29	-5.39	23.15	33.00
			H	26.71	5.29	-5.39	26.61	33.00
	1907.5	26615	V	22.14	5.23	-5.39	21.98	33.00
			H	23.54	5.23	-5.39	23.38	33.00
BAND 25 BW: 15M QPSK RB: 1,74	1857.5	26115	V	23.25	5.32	-5.35	23.22	33.00
			H	23.83	5.32	-5.35	23.80	33.00
	1882.5	26365	V	23.30	5.26	-5.41	23.15	33.00
			H	25.06	5.26	-5.41	24.91	33.00
	1907.5	26615	V	21.18	5.20	-5.39	20.99	33.00
			H	24.44	5.20	-5.39	24.25	33.00
BAND 25 BW: 15M 16QAM RB: 1,0	1857.5	26115	V	22.93	5.35	-5.35	22.93	33.00
			H	23.53	5.35	-5.35	23.53	33.00
	1882.5	26365	V	22.98	5.29	-5.39	22.88	33.00
			H	26.58	5.29	-5.39	26.48	33.00
	1907.5	26615	V	22.24	5.23	-5.39	22.08	33.00
			H	23.61	5.23	-5.39	23.45	33.00
BAND 25 BW: 15M 16QAM RB: 1,74	1857.5	26115	V	23.03	5.32	-5.35	23.00	33.00
			H	23.79	5.32	-5.35	23.76	33.00
	1882.5	26365	V	23.12	5.26	-5.41	22.97	33.00
			H	24.90	5.26	-5.41	24.75	33.00
	1907.5	26615	V	21.33	5.20	-5.39	21.14	33.00
			H	24.33	5.20	-5.39	24.14	33.00

Remark :

(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 25 BW: 20M QPSK RB: 1,0	1860.0	26140	V	22.93	5.35	-5.35	22.93	33.00
			H	23.95	5.35	-5.35	23.95	33.00
	1882.5	26365	V	23.32	5.31	-5.36	23.27	33.00
			H	24.33	5.31	-5.36	24.28	33.00
	1905.0	26590	V	24.12	5.30	-5.38	24.04	33.00
			H	26.87	5.30	-5.38	26.79	33.00
BAND 25 BW: 20M QPSK RB: 1,99	1860.0	26140	V	23.07	5.24	-5.40	22.91	33.00
			H	23.79	5.24	-5.40	23.63	33.00
	1882.5	26365	V	22.95	5.26	-5.41	22.80	33.00
			H	24.77	5.26	-5.41	24.62	33.00
	1905.0	26590	V	21.57	5.20	-5.39	21.38	33.00
			H	24.51	5.20	-5.39	24.32	33.00
BAND 25 BW: 20M 16QAM RB: 1,0	1860.0	26140	V	22.99	5.35	-5.35	22.99	33.00
			H	23.62	5.35	-5.35	23.62	33.00
	1882.5	26365	V	23.52	5.30	-5.38	23.44	33.00
			H	26.70	5.30	-5.38	26.62	33.00
	1905.0	26590	V	23.09	5.24	-5.40	22.93	33.00
			H	23.72	5.24	-5.40	23.56	33.00
BAND 25 BW: 20M 16QAM RB: 1,99	1860.0	26140	V	23.42	5.31	-5.36	23.37	33.00
			H	24.44	5.31	-5.36	24.39	33.00
	1882.5	26365	V	23.01	5.26	-5.41	22.86	33.00
			H	24.74	5.26	-5.41	24.59	33.00
	1905.0	26590	V	21.57	5.20	-5.39	21.38	33.00
			H	24.49	5.20	-5.39	24.30	33.00

Remark :

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Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 1.4M QPSK RB: 1,0	824.7	26797	V	15.30	5.14	-3.51	16.93	38.50
			H	22.97	5.14	-3.51	24.60	38.50
	836.5	26915	V	14.44	5.10	-3.37	16.17	38.50
			H	22.14	5.10	-3.37	23.87	38.50
	848.3	27033	V	14.17	5.06	-3.40	15.83	38.50
			H	21.12	5.06	-3.40	22.78	38.50
BAND 26 BW: 1.4M QPSK RB: 1,5	824.7	26797	V	14.91	5.14	-3.43	16.62	38.50
			H	22.76	5.14	-3.43	24.47	38.45
	836.5	26915	V	14.65	5.10	-3.35	16.40	38.45
			H	21.83	5.10	-3.35	23.58	38.45
	848.3	27033	V	14.77	5.06	-3.40	16.43	38.45
			H	21.11	5.06	-3.40	22.77	38.45
BAND 26 BW: 1.4M 16QAM RB: 1,0	824.7	26797	V	15.10	5.14	-3.51	16.73	38.50
			H	22.90	5.14	-3.51	24.53	38.50
	836.5	26915	V	14.40	5.10	-3.36	16.14	38.50
			H	22.00	5.10	-3.36	23.74	38.50
	848.3	27033	V	14.24	5.06	-3.41	15.89	38.50
			H	20.90	5.06	-3.41	22.55	38.50
BAND 26 BW: 1.4M 16QAM RB: 1,5	824.7	26797	V	14.88	5.13	-3.38	16.63	38.50
			H	22.73	5.13	-3.38	24.48	38.50
	836.5	26915	V	14.83	5.09	-3.41	16.51	38.50
			H	22.33	5.09	-3.41	24.01	38.50
	848.3	27033	V	14.44	5.55	-3.52	16.47	38.50
			H	20.96	5.55	-3.52	22.99	38.50

Remark :

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 3M QPSK RB: 1,0	825.5	26805	V	14.55	5.10	-3.52	16.13	38.50
			H	23.16	5.10	-3.52	24.74	38.50
	836.5	26915	V	13.84	5.10	-3.37	15.57	38.50
			H	22.10	5.10	-3.37	23.83	38.50
	847.5	27025	V	14.05	5.06	-3.41	15.70	38.50
			H	21.49	5.06	-3.41	23.14	38.50
BAND 26 BW: 3M QPSK RB: 1,14	825.5	26805	V	14.13	5.13	-3.37	15.89	38.50
			H	22.63	5.13	-3.37	24.39	38.50
	836.5	26915	V	14.08	5.09	-3.41	15.76	38.50
			H	22.12	5.09	-3.41	23.80	38.50
	847.5	27025	V	13.86	5.06	-3.45	15.47	38.50
			H	21.46	5.06	-3.45	23.07	38.50
BAND 26 BW: 3M 16QAM RB: 1,0	825.5	26805	V	14.70	5.14	-3.50	16.34	38.50
			H	23.15	5.14	-3.50	24.79	38.50
	836.5	26915	V	13.66	5.10	-3.38	15.38	38.50
			H	21.87	5.10	-3.38	23.59	38.50
	847.5	27025	V	13.71	5.06	-3.41	15.36	38.50
			H	21.11	5.06	-3.41	22.76	38.50
BAND 26 BW: 3M 16QAM RB: 1,14	825.5	26805	V	14.18	5.13	-3.37	15.94	38.50
			H	22.69	5.13	-3.37	24.45	38.50
	836.5	26915	V	14.04	5.09	-3.42	15.71	38.50
			H	22.08	5.09	-3.42	23.75	38.50
	847.5	27025	V	14.01	5.05	-3.51	15.55	38.50
			H	21.45	5.05	-3.51	22.99	38.50

Remark :

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 5M QPSK RB: 1,0	826.5	26815	V	14.94	5.14	-3.48	16.60	38.50
			H	22.86	5.14	-3.48	24.52	38.50
	836.5	26915	V	13.70	5.10	-3.45	15.35	38.50
			H	22.00	5.10	-3.45	23.65	38.50
	846.5	27015	V	14.04	5.07	-3.40	15.71	38.50
			H	21.47	5.07	-3.40	23.14	38.50
BAND 26 BW: 5M QPSK RB: 1,24	826.5	26815	V	13.99	5.12	-3.44	15.67	38.50
			H	22.18	5.12	-3.44	23.86	38.50
	836.5	26915	V	14.03	5.09	-3.44	15.68	38.50
			H	21.64	5.09	-3.44	23.29	38.50
	846.5	27015	V	14.21	5.05	-3.51	15.75	38.50
			H	21.38	5.05	-3.51	22.92	38.50
BAND 26 BW: 5M 16QAM RB: 1,0	826.5	26815	V	14.69	5.14	-3.47	16.36	38.50
			H	22.93	5.14	-3.47	24.60	38.50
	836.5	26915	V	13.42	5.10	-3.41	15.11	38.50
			H	22.02	5.10	-3.41	23.71	38.50
	846.5	27015	V	14.13	5.07	-3.41	15.79	38.50
			H	21.30	5.07	-3.41	22.96	38.50
BAND 26 BW: 5M 16QAM RB: 1,24	826.5	26815	V	13.94	5.12	-3.43	15.63	38.50
			H	22.18	5.12	-3.43	23.87	38.50
	836.5	26915	V	13.67	5.09	-3.44	15.32	38.50
			H	21.76	5.09	-3.44	23.41	38.50
	846.5	27015	V	14.14	5.06	-3.46	15.74	38.50
			H	21.24	5.06	-3.46	22.84	38.50

Remark :

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 10M QPSK RB: 1,0	829.0	26840	V	15.30	5.14	-3.50	16.94	38.50
			H	23.21	5.14	-3.50	24.85	38.50
	836.5	26915	V	15.40	5.11	-3.54	16.97	38.50
			H	22.23	5.11	-3.54	23.80	38.50
	844.0	26990	V	14.63	5.08	-3.44	16.27	38.50
			H	23.09	5.08	-3.44	24.73	38.50
BAND 26 BW: 10M QPSK RB: 1,49	829.0	26840	V	14.36	5.11	-3.56	15.91	38.50
			H	22.08	5.11	-3.56	23.63	38.50
	836.5	26915	V	15.83	5.08	-3.67	17.24	38.50
			H	21.99	5.08	-3.67	23.40	38.50
	844.0	26990	V	14.48	5.06	-3.45	16.09	38.50
			H	21.32	5.06	-3.45	22.93	38.50
BAND 26 BW: 10M 16QAM RB: 1,0	829.0	26840	V	15.34	5.14	-3.46	17.02	38.50
			H	22.98	5.14	-3.46	24.66	38.50
	836.5	26915	V	15.25	5.11	-3.53	16.83	38.50
			H	22.01	5.11	-3.53	23.59	38.50
	844.0	26990	V	14.73	5.09	-3.46	16.36	38.50
			H	21.93	5.09	-3.46	23.56	38.50
BAND 26 BW: 10M 16QAM RB: 1,49	829.0	26840	V	14.35	5.11	-3.55	15.91	38.50
			H	22.16	5.11	-3.55	23.72	38.50
	836.5	26915	V	15.47	5.08	-3.59	16.96	38.50
			H	22.05	5.08	-3.59	23.54	38.50
	844.0	26990	V	14.48	5.06	-3.48	16.06	38.50
			H	21.37	5.06	-3.48	22.95	38.50

Remark :

(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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t (886-2) 2299-3279

f (886-2) 2298-0488

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 1.4M QPSK RB: 1,0	814.7	26697	V	14.05	5.17	-3.48	15.74	50.00
			H	22.10	5.17	-3.48	23.79	50.00
	819.0	26740	V	16.04	5.16	-3.47	17.73	50.00
			H	22.57	5.16	-3.47	24.26	50.00
	823.3	26783	V	15.83	5.14	-3.55	17.42	50.00
			H	23.31	5.14	-3.55	24.90	50.00
BAND 26 BW: 1.4M QPSK RB: 1,5	814.7	26697	V	14.43	5.17	-3.39	16.21	50.00
			H	22.26	5.17	-3.39	24.04	50.00
	819.0	26740	V	16.40	5.16	-3.17	18.39	50.00
			H	23.01	5.16	-3.17	25.00	50.00
	823.3	26783	V	15.66	5.14	-3.57	17.23	50.00
			H	23.31	5.14	-3.57	24.88	50.00
BAND 26 BW: 1.4M 16QAM RB: 1,0	814.7	26697	V	14.07	5.17	-3.47	15.77	50.00
			H	22.13	5.17	-3.47	23.83	50.00
	819.0	26740	V	16.21	5.16	-3.45	17.92	50.00
			H	22.76	5.16	-3.45	24.47	50.00
	823.3	26783	V	15.67	5.14	-3.55	17.26	50.00
			H	23.30	5.14	-3.55	24.89	50.00
BAND 26 BW: 1.4M 16QAM RB: 1,5	814.7	26697	V	14.11	5.17	-3.42	15.86	50.00
			H	22.11	5.17	-3.42	23.86	50.00
	819.0	26740	V	16.44	5.15	-3.51	18.08	50.00
			H	22.96	5.15	-3.51	24.60	50.00
	823.3	26783	V	15.53	5.14	-3.55	17.12	50.00
			H	23.26	5.14	-3.55	24.85	50.00

Remark :

(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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f (886-2) 2298-0488

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 3M QPSK RB: 1,0	815.5	26705	V	14.45	5.17	-3.49	16.13	50.00
			H	22.15	5.17	-3.49	23.83	50.00
	819.0	26740	V	15.90	5.16	-3.45	17.61	50.00
			H	22.75	5.16	-3.45	24.46	50.00
	822.5	26775	V	16.76	5.15	-3.51	18.40	50.00
			H	23.72	5.15	-3.51	25.36	50.00
BAND 26 BW: 3M QPSK RB: 1,14	815.5	26705	V	14.93	5.16	-3.31	16.78	50.00
			H	22.46	5.16	-3.31	24.31	50.00
	819.0	26740	V	16.08	5.15	-3.51	17.72	50.00
			H	23.02	5.15	-3.51	24.66	50.00
	822.5	26775	V	15.78	5.14	-3.57	17.35	50.00
			H	23.53	5.14	-3.57	25.10	50.00
BAND 26 BW: 3M 16QAM RB: 1,0	815.5	26705	V	14.51	5.17	-3.50	16.18	50.00
			H	22.13	5.17	-3.50	23.80	50.00
	819.0	26740	V	15.86	5.16	-3.35	17.67	50.00
			H	22.68	5.16	-3.35	24.49	50.00
	822.5	26775	V	16.10	5.15	-3.51	17.74	50.00
			H	23.54	5.15	-3.51	25.18	50.00
BAND 26 BW: 3M 16QAM RB: 1,14	815.5	26705	V	14.75	5.16	-3.31	16.60	50.00
			H	22.43	5.16	-3.31	24.28	50.00
	819.0	26740	V	16.36	5.15	-3.51	18.00	50.00
			H	23.12	5.15	-3.51	24.76	50.00
	822.5	26775	V	15.55	5.14	-3.54	17.15	50.00
			H	23.36	5.14	-3.54	24.96	50.00

Remark :

(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 5M QPSK RB: 1,0	816.5	26715	V	14.47	5.17	-3.47	16.17	50.00
			H	22.10	5.17	-3.47	23.80	50.00
	819.0	26740	V	15.42	5.16	-3.32	17.26	50.00
			H	22.46	5.16	-3.32	24.30	50.00
	821.5	26765	V	16.03	5.15	-3.49	17.69	50.00
			H	23.21	5.15	-3.49	24.87	50.00
BAND 26 BW: 5M QPSK RB: 1,24	816.5	26715	V	15.46	5.16	-3.46	17.16	50.00
			H	22.88	5.16	-3.46	24.58	50.00
	819.0	26740	V	16.17	5.15	-3.51	17.81	50.00
			H	23.14	5.15	-3.51	24.78	50.00
	821.5	26765	V	15.84	5.14	-3.56	17.42	50.00
			H	23.36	5.14	-3.56	24.94	50.00
BAND 26 BW: 5M 16QAM RB: 1,0	816.5	26715	V	14.38	5.17	-3.47	16.08	50.00
			H	22.13	5.17	-3.47	23.83	50.00
	819.0	26740	V	15.44	5.16	-3.33	17.27	50.00
			H	22.42	5.16	-3.33	24.25	50.00
	821.5	26765	V	15.77	5.15	-3.51	17.41	50.00
			H	22.89	5.15	-3.51	24.53	50.00
BAND 26 BW: 5M 16QAM RB: 1,24	816.5	26715	V	15.45	5.15	-3.50	17.10	50.00
			H	22.94	5.15	-3.50	24.59	50.00
	819.0	26740	V	16.41	5.15	-3.51	18.05	50.00
			H	23.34	5.15	-3.51	24.98	50.00
	821.5	26765	V	15.65	5.14	-3.56	17.23	50.00
			H	23.13	5.14	-3.56	24.71	50.00

Remark :

(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 26 BW: 10M QPSK RB: 1,0	819.0	26740	V	14.86	5.17	-3.48	16.55	50.00
			H	22.30	5.17	-3.48	23.99	50.00
BAND 26 BW: 10M QPSK RB: 1,49	819.0	26740	V	15.75	5.14	-3.57	17.32	50.00
			H	23.20	5.14	-3.57	24.77	50.00
BAND 26 BW: 10M 16QAM RB: 1,0	819.0	26740	V	14.47	5.17	-3.48	16.16	50.00
			H	22.07	5.17	-3.48	23.76	50.00
BAND 26 BW: 10M 16QAM RB: 1,49	819.0	26740	V	15.45	5.14	-3.57	17.02	50.00
			H	23.17	5.14	-3.57	24.74	50.00

Remark :

- (1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 41 BW: 5M/ QPSK RB: 1,0	2498.5	39675	V	20.05	5.79	-5.85	19.99	33.01
			H	17.87	5.79	-5.85	17.81	33.01
	2593.0	40620	V	23.25	6.02	-5.91	23.36	33.01
			H	18.74	6.02	-5.91	18.85	33.01
	2687.5	41565	V	20.00	6.24	-6.00	20.24	33.01
			H	14.85	6.24	-6.00	15.09	33.01
BAND 41 BW: 5M QPSK RB: 1,14	2498.5	39675	V	20.34	5.80	-5.85	20.29	33.01
			H	17.93	5.80	-5.85	17.88	33.01
	2593.0	40620	V	23.44	6.02	-5.91	23.55	33.01
			H	18.47	6.02	-5.91	18.58	33.01
	2687.5	41565	V	19.29	6.25	-6.00	19.54	33.01
			H	14.06	6.25	-6.00	14.31	33.01
BAND 41 BW: 5M 16QAM RB: 1,0	2498.5	39675	V	19.86	5.79	-5.85	19.80	33.01
			H	17.54	5.79	-5.85	17.48	33.01
	2593.0	40620	V	22.69	6.01	-5.91	22.79	33.01
			H	18.48	6.01	-5.91	18.58	33.01
	2687.5	41565	V	19.44	6.24	-6.00	19.68	33.01
			H	13.47	6.24	-6.00	13.71	33.01
BAND 41 BW: 5M 16QAM RB: 1,24	2498.5	39675	V	20.13	5.80	-5.85	20.08	33.01
			H	17.52	5.80	-5.85	17.47	33.01
	2593.0	40620	V	23.08	6.02	-5.91	23.19	33.01
			H	18.22	6.02	-5.91	18.33	33.01
	2687.5	41565	V	18.42	6.25	-6.00	18.67	33.01
			H	12.89	6.25	-6.00	13.14	33.01

Remark :

(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 41 BW: 10M QPSK RB: 1,0	2501.0	39700	V	20.83	5.79	-5.85	20.77	33.01
			H	17.84	5.79	-5.85	17.78	33.01
	2593.0	40620	V	24.36	6.01	-5.91	24.46	33.01
			H	19.12	6.01	-5.91	19.22	33.01
	2685.0	41540	V	20.16	6.23	-5.99	20.40	33.01
			H	14.95	6.23	-5.99	15.19	33.01
BAND 41 BW: 10M QPSK RB: 1,49	2501.0	39700	V	21.07	5.81	-5.84	21.04	33.01
			H	17.28	5.81	-5.84	17.25	33.01
	2593.0	40620	V	24.70	6.03	-5.91	24.82	33.01
			H	18.32	6.03	-5.91	18.44	33.01
	2685.0	41540	V	19.07	6.25	-6.00	19.32	33.01
			H	13.94	6.25	-6.00	14.19	33.01
BAND 41 BW: 10M 16QAM RB: 1,0	2501.0	39700	V	20.63	5.79	-5.85	20.57	33.01
			H	17.61	5.79	-5.85	17.55	33.01
	2593.0	40620	V	23.18	6.01	-5.91	23.28	33.01
			H	18.93	6.01	-5.91	19.03	33.01
	2685.0	41540	V	19.86	6.23	-5.99	20.10	33.01
			H	13.80	6.23	-5.99	14.04	33.01
BAND 41 BW: 10M 16QAM RB: 1,49	2501.0	39700	V	20.74	5.80	-5.84	20.70	33.01
			H	17.08	5.81	-5.84	17.05	33.01
	2593.0	40620	V	23.54	6.03	-5.91	23.66	33.01
			H	18.31	6.03	-5.91	18.43	33.01
	2685.0	41540	V	18.35	6.25	-6.00	18.60	33.01
			H	12.48	6.25	-6.00	12.73	33.01

Remark :

(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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台灣檢驗科技股份有限公司

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 41 BW: 15M QPSK RB: 1,0	2503.5	39725	V	21.33	5.80	-5.85	21.28	33.01
			H	17.87	5.80	-5.85	17.82	33.01
	2593.0	40620	V	23.48	6.00	-5.91	23.57	33.01
			H	19.10	6.00	-5.91	19.19	33.01
	2682.5	41515	V	19.68	6.22	-5.98	19.92	33.01
			H	13.42	6.22	-5.98	13.66	33.01
BAND 41 BW: 15M QPSK RB: 1,74	2503.5	39725	V	20.95	5.82	-5.83	20.94	33.01
			H	17.23	5.82	-5.83	17.22	33.01
	2593.0	40620	V	23.59	6.03	-5.92	23.70	33.01
			H	18.36	6.03	-5.92	18.47	33.01
	2682.5	41515	V	18.83	6.25	-6.00	19.08	33.01
			H	12.99	6.25	-6.00	13.24	33.01
BAND 41 BW: 15M 16QAM RB: 1,0	2503.5	39725	V	20.53	5.79	-5.85	20.47	33.01
			H	17.61	5.79	-5.85	17.55	33.01
	2593.0	40620	V	23.03	6.00	-5.91	23.12	33.01
			H	18.79	6.00	-5.91	18.88	33.01
	2682.5	41515	V	19.29	6.22	-5.98	19.53	33.01
			H	12.97	6.22	-5.98	13.21	33.01
BAND 41 BW: 15M 16QAM RB: 1,74	2503.5	39725	V	20.34	5.82	-5.83	20.33	33.01
			H	16.88	5.82	-5.83	16.87	33.01
	2593.0	40620	V	23.12	6.03	-5.92	23.23	33.01
			H	17.86	6.03	-5.92	17.97	33.01
	2682.5	41515	V	18.29	6.25	-6.00	18.54	33.01
			H	12.78	6.25	-6.00	13.03	33.01

Remark :

(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
BAND 41 BW: 20M QPSK RB: 1,0	2506.0	39750	V	21.10	5.79	-5.85	21.04	33.01
			H	17.67	5.79	-5.85	17.61	33.01
	2593.0	40620	V	24.56	6.00	-5.91	24.65	33.01
			H	19.25	6.00	-5.91	19.34	33.01
	2680.0	41490	V	19.49	6.21	-5.97	19.73	33.01
			H	12.50	6.21	-5.98	12.73	33.01
BAND 41 BW: 20M QPSK RB: 1,99	2506.0	39750	V	21.91	5.83	-5.83	21.91	33.01
			H	18.15	5.83	-5.83	18.15	33.01
	2593.0	40620	V	24.18	6.04	-5.92	24.30	33.01
			H	18.57	6.04	-5.92	18.69	33.01
	2680.0	41490	V	18.74	6.25	-6.00	18.99	33.01
			H	12.44	6.25	-6.00	12.69	33.01
BAND 41 BW: 20M 16QAM RB: 1,0	2506.0	39750	V	20.77	5.79	-5.85	20.71	33.01
			H	17.93	5.79	-5.85	17.87	33.01
	2593.0	40620	V	22.92	6.00	-5.91	23.01	33.01
			H	18.27	6.00	-5.91	18.36	33.01
	2680.0	41490	V	19.49	6.21	-5.97	19.73	33.01
			H	12.26	6.21	-5.97	12.50	33.01
BAND 41 BW: 20M 16QAM RB: 1,99	2506.0	39750	V	21.25	5.83	-5.83	21.25	33.01
			H	17.89	5.83	-5.83	17.89	33.01
	2593.0	40620	V	23.05	6.04	-5.92	23.17	33.01
			H	17.62	6.04	-5.92	17.74	33.01
	2680.0	41490	V	18.12	6.25	-6.00	18.37	33.01
			H	12.25	6.25	-6.00	12.50	33.01

Remark :

(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

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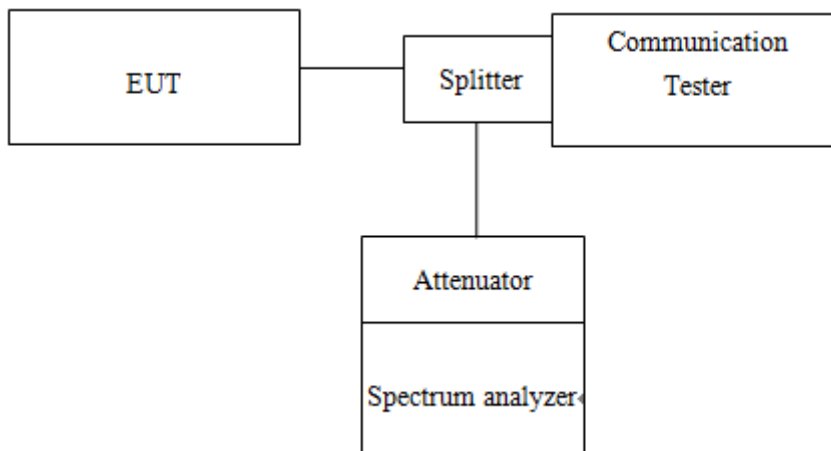
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7. OCCUPIED BANDWIDTH MEASUREMENT

7.1. Standard Applicable

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.

7.2. Test Set-up



7.3. Measurement Procedure

99% & 26dB Bandwidth

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW was set to about 1% of emission BW, VBW= 3 times RBW, -26dBc display line was placed on the screen (or 26dB bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace. Then set RBW to 99% bandwidth, RBW= 1%, VBW= 3 RBW, with span > 2 * Signal BW, set % Power = 99%.

NOTE: For the plot of bandwidth measurement, the marker of the 99% bandwidth is diamond-shape while the marker of the 20dB BW is arrow-mark

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7.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	E4446A	MY51100003	01/29/2015	01/28/2016
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2015	02/10/2016
Radio Communication Analyzer	Anritsu	MT8820C	6200995019	10/08/2014	10/09/2015
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2015	01/01/2016
Attenuator	Mini-Circuit	BW-S10W2+	002	01/02/2015	01/01/2016
Splitter	Agilent	11636B	N/A	01/02/2015	01/01/2016
DC Power Supply	Agilent	E3640A	MY52410006	11/10/2014	11/09/2015

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7.5. Measurement Result

99% Bandwidth

LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1850.7	18607	1.0980	1.0930	1851.5	18615	2.6997	2.6801
1880.0	18900	1.0984	1.0952	1880.0	18900	2.6933	2.7078
1909.3	19193	1.0981	1.1007	1908.5	19185	2.7055	2.7112

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1852.5	18625	4.4935	4.4727	1855.0	18650	8.9553	8.9226
1880.0	18900	4.5093	4.5237	1880.0	18900	8.9595	8.9232
1907.5	19175	4.4888	4.5060	1905.0	19150	8.9342	8.9188

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1857.5	18675	13.414	13.471	1860.0	18700	17.872	17.942
1880.0	18900	13.432	13.459	1880.0	18900	17.883	17.981
1902.5	19125	13.416	13.427	1900.0	19100	17.933	17.972

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LTE BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1710.7	19957	1.1006	1.0960	1711.5	19965	2.7070	2.7063
1732.5	20175	1.0966	1.1020	1732.5	20175	2.7041	2.7035
1754.3	20393	1.0976	1.1028	1753.5	20385	2.6946	2.7115

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1712.5	19957	4.5054	4.5245	1715.0	20000	8.9584	8.9602
1732.5	20175	4.5067	4.5152	1732.5	20175	8.9801	8.9164
1752.5	20375	4.4981	4.5016	1750.0	20350	8.9546	8.9212

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1717.5	20025	13.446	13.433	1720.0	20050	17.903	17.947
1732.5	20175	13.489	13.485	1732.5	20175	18.001	17.965
1747.5	20325	13.425	13.456	1745.0	20300	17.854	17.868

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LTE BAND 5							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
824.7	20407	1.0892	1.0987	825.5	20415	2.6979	2.6980
836.5	20525	1.0965	1.1019	836.5	20525	2.6831	2.7108
848.3	20643	1.0935	1.0987	847.5	20635	2.7032	2.7040

LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
826.5	20425	4.5145	4.5025	829.0	20450	8.9481	8.9115
836.5	20525	4.4963	4.4989	836.5	20525	8.9918	8.9761
846.5	20625	4.4822	4.5004	844.0	20600	8.9585	8.9173

LTE BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
699.7	23017	1.0913	1.0928	700.5	23025	2.7031	2.7046
707.5	23095	1.0983	1.0994	707.5	23095	2.7161	2.6940
715.3	23173	1.0982	1.0900	714.5	23165	2.6942	2.7031

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LTE BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
701.5	23035	4.5012	4.4914	704.0	23060	8.9369	8.8647
707.5	23095	4.5198	4.4964	707.5	23095	8.9699	8.9414
713.5	23155	4.5123	4.4871	711.0	23130	8.0374	8.9913

LTE BAND 25							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1850.7	26047	1.0920	1.0901	1851.5	26055	2.6997	2.7008
1882.5	26365	1.0943	1.0917	1882.5	26365	2.6952	2.6973
1914.3	26683	1.1000	1.1028	1913.5	26675	2.6969	2.7172

LTE BAND 25							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1852.5	26065	4.5142	4.4932	1855.0	26090	9.0105	8.9449
1882.5	26365	4.4982	4.4789	1882.5	26365	9.0012	8.9530
1912.5	26665	4.5017	4.5095	1910.0	26640	8.9954	8.9339

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LTE BAND 25							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1857.5	26115	13.458	13.493	1860.0	26140	17.940	17.929
1882.5	26365	13.423	13.421	1882.5	26365	17.853	17.862
1907.5	26615	13.428	13.475	1905.0	26590	17.912	17.837

LTE BAND 26							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
824.7	26797	1.0994	1.1032	825.5	26805	2.6924	2.6989
836.5	26915	1.0927	1.0979	836.5	26915	2.7043	2.7113
848.3	27033	1.0955	1.0969	848.3	27025	2.7037	2.6971

LTE BAND 26							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
826.5	26815	4.5062	4.4875	829.0	26840	8.9700	8.9273
836.5	26915	4.5042	4.5284	836.5	26915	8.9980	8.9795
846.5	27015	4.4950	4.4860	844.0	26990	8.9187	8.9304

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LTE BAND 26							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
814.7	26697	1.0968	1.1037	815.5	26705	2.7021	2.7124
819.0	26740	1.0967	1.0995	819.0	26740	2.6950	2.7031
823.3	26783	1.0935	1.1013	822.5	26775	2.6942	2.7000

LTE BAND 26							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
816.5	26715	4.5118	4.5033	819.0	26740	8.9801	8.9964
819.0	26740	4.5122	4.5054				
821.5	26765	4.5165	4.5110				

LTE BAND 41							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2498.5	39675	4.4954	4.4959	2501.0	39700	8.9589	8.9934
2593.0	40620	4.4992	4.4869	2593.0	40620	8.9574	8.9662
2687.5	41565	4.5157	4.4704	2685.0	41540	8.9654	8.9036

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LTE BAND 41							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2503.5	39725	13.389	13.490	2506.0	39750	17.879	17.827
2593.0	40620	13.448	13.413	2593.0	40620	17.948	17.900
2682.5	41515	13.488	13.469	2680.0	41490	17.820	17.892

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26dB Bandwidth

LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1850.7	18607	1.276	1.275	1851.5	18615	2.962	2.947
1880.0	18900	1.269	1.270	1880.0	18900	2.961	2.954
1909.3	19193	1.315	1.307	1908.5	19185	2.980	2.933

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1852.5	18625	4.914	4.853	1855.0	18650	9.590	9.749
1880.0	18900	4.921	4.873	1880.0	18900	9.542	9.630
1907.5	19175	4.970	4.906	1905.0	19150	9.549	9.629

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1857.5	18675	14.50	14.47	1860.0	18700	19.13	19.21
1880.0	18900	14.40	14.42	1880.0	18900	19.37	19.05
1902.5	19125	14.33	14.28	1900.0	19100	19.36	19.20

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LTE BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1710.7	19957	1.292	1.294	1711.5	19965	2.928	2.982
1732.5	20175	1.269	1.290	1732.5	20175	2.930	2.926
1754.3	20393	1.284	1.298	1753.5	20385	2.961	2.972

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1712.5	19957	4.925	4.832	1715.0	20000	9.640	9.681
1732.5	20175	4.890	4.939	1732.5	20175	9.737	9.636
1752.5	20375	4.968	4.995	1750.0	20350	9.724	9.703

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1717.5	20025	14.58	14.35	1720.0	20050	19.04	19.16
1732.5	20175	14.45	14.52	1732.5	20175	19.10	19.14
1747.5	20325	14.43	14.37	1745.0	20300	19.30	19.03

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LTE BAND 5							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
824.7	20407	1.280	1.248	825.5	20415	2.985	2.955
836.5	20525	1.237	1.241	836.5	20525	2.973	2.956
848.3	20643	1.251	1.267	847.5	20635	2.925	2.950

LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
826.5	20425	4.876	4.919	829.0	20450	9.618	9.653
836.5	20525	4.907	4.910	836.5	20525	9.751	9.767
846.5	20625	4.921	4.951	844.0	20600	9.496	9.519

LTE BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
699.7	23017	1.269	1.282	700.5	23025	2.950	2.955
707.5	23095	1.268	1.280	707.5	23095	2.958	2.956
715.3	23173	1.286	1.275	714.5	23165	2.925	2.933

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LTE BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
701.5	23035	4.903	4.902	704.0	23060	9.535	9.573
707.5	23095	4.935	4.920	707.5	23095	9.689	9.677
713.5	23155	4.952	4.865	711.0	23130	9.484	9.910

LTE BAND 25							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1850.7	26047	1.259	1.273	1851.5	26055	2.968	2.951
1882.5	26365	1.290	1.288	1882.5	26365	2.953	2.972
1914.3	26683	1.306	1.286	1913.5	26675	2.995	2.998

LTE BAND 25							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1852.5	26065	4.981	4.998	1855.0	26090	9.722	9.781
1882.5	26365	5.065	4.927	1882.5	26365	9.820	9.650
1912.5	26665	4.969	4.945	1910.0	26640	9.783	9.614

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LTE BAND 25							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
1857.5	26115	14.16	14.30	1860.0	26140	19.26	18.91
1882.5	26365	14.54	14.62	1882.5	26365	19.26	19.06
1907.5	26615	14.58	14.49	1905.0	26590	19.07	19.07

LTE BAND 26							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
824.7	26797	1.298	1.293	825.5	26805	2.963	2.977
836.5	26915	1.291	1.287	836.5	26915	2.978	2.998
848.3	27033	1.275	1.291	848.3	27025	2.979	2.968

LTE BAND 26							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
826.5	26815	4.982	4.919	829.0	26840	9.740	9.730
836.5	26915	4.981	4.888	836.5	26915	9.704	9.784
846.5	27015	4.929	4.899	844.0	26990	9.493	9.610

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LTE BAND 26							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
814.7	26697	1.298	1.309	815.5	26705	2.994	2.967
819.0	26740	1.301	1.297	819.0	26740	2.977	2.986
823.3	26783	1.284	1.288	822.5	26775	2.927	2.989

LTE BAND 26							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
816.5	26715	4.888	4.915	819.0	26740	9.730	9.707
819.0	26740	4.986	4.944				
821.5	26765	5.028	5.024				

LTE BAND 41							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2498.5	39675	4.874	4.994	2501.0	39700	9.458	9.516
2593.0	40620	4.895	4.834	2593.0	40620	9.741	9.643
2687.5	41565	5.314	4.791	2685.0	41540	9.723	9.481

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LTE BAND 41							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2503.5	39725	14.63	14.45	2506.0	39750	18.96	19.20
2593.0	40620	14.30	14.23	2593.0	40620	19.30	18.99
2682.5	41515	14.42	14.14	2680.0	41490	19.46	18.83

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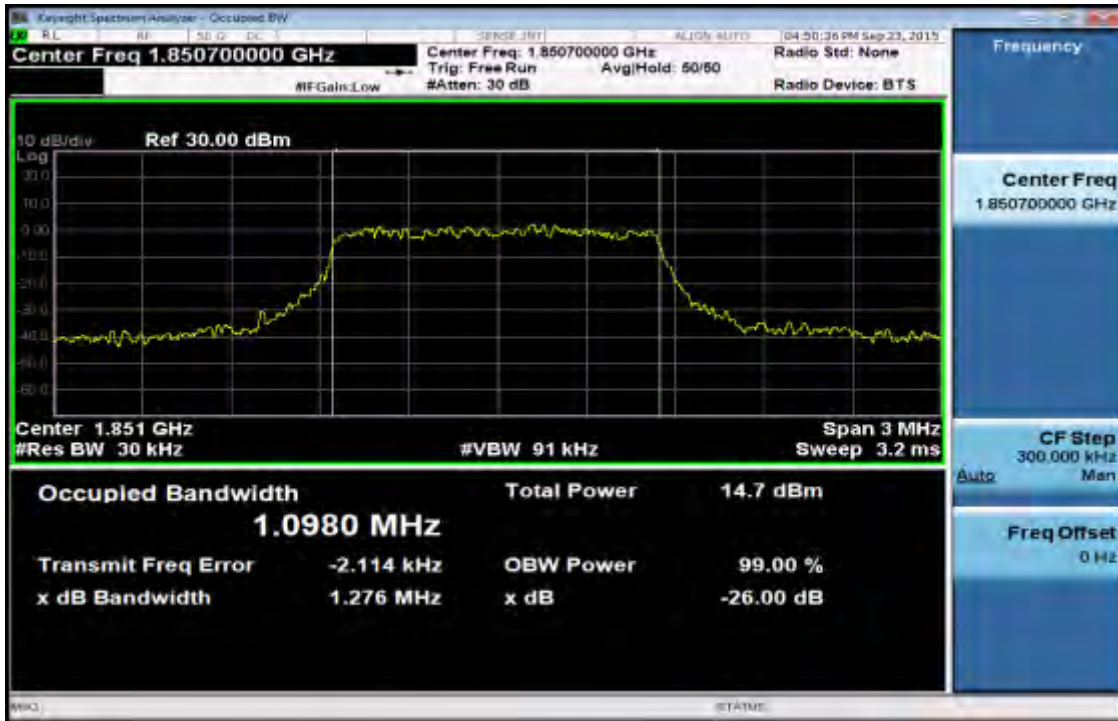
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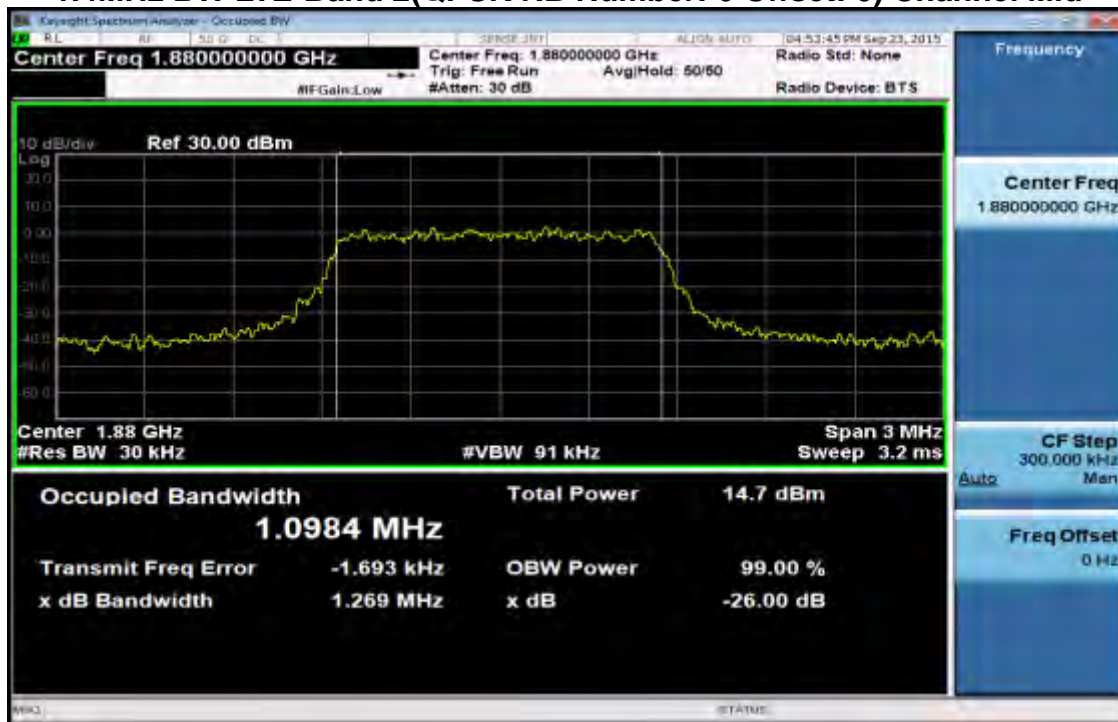
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99% & 26dB Bandwidth Test Data

1.4MHz BW LTE-Band 2(QPSK RB Number: 6 Offset: 0) Channel Low



1.4MHz BW LTE-Band 2(QPSK RB Number: 6 Offset: 0) Channel Mid



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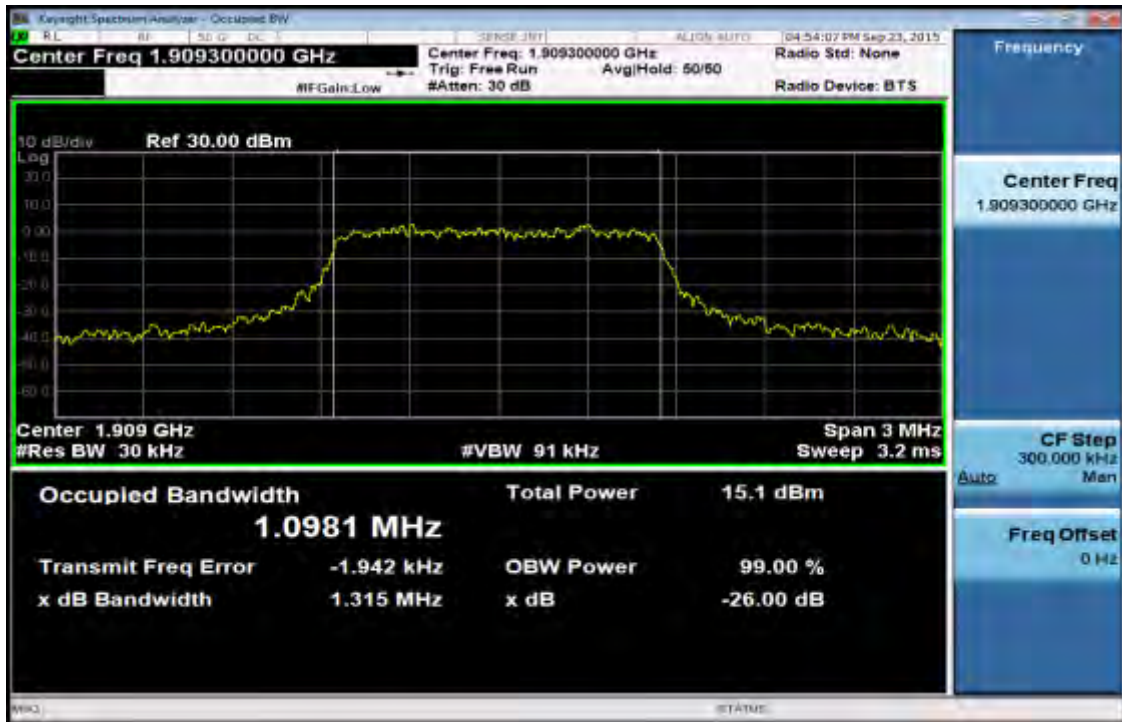
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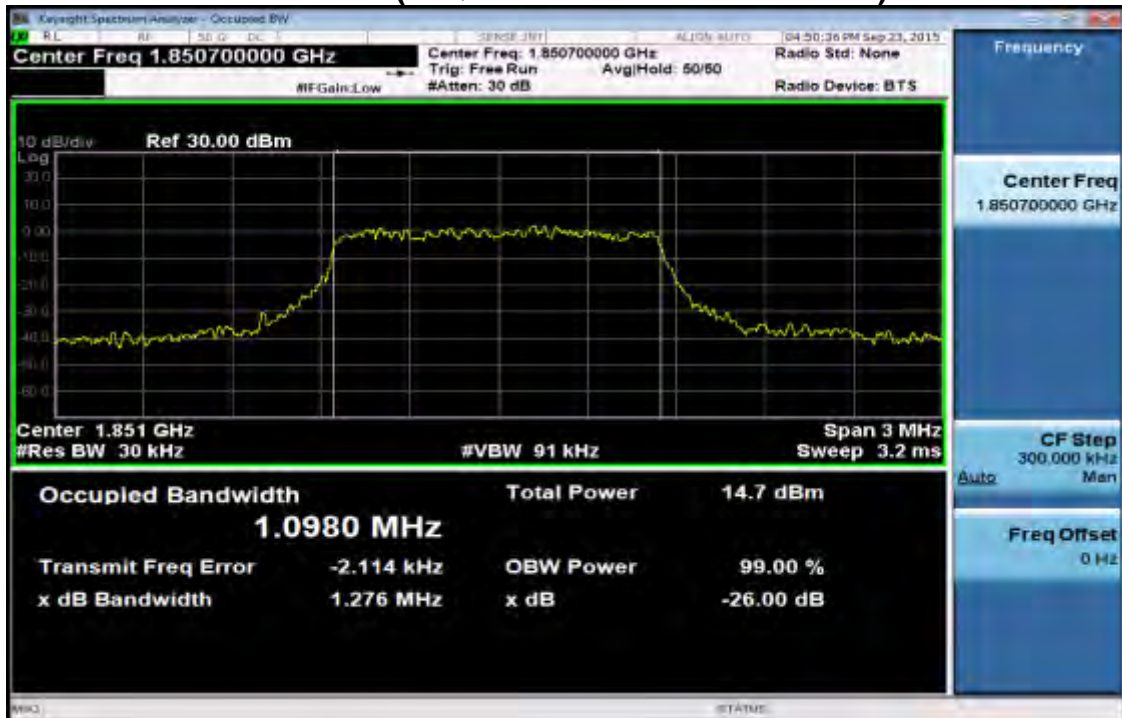
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1.4MHz BW LTE-Band 2(QPSK RB Number: 6 Offset: 0) Channel High



1.4MHz BW LTE-Band 2(16QAM RB Number: 6 Offset: 0) Channel Low



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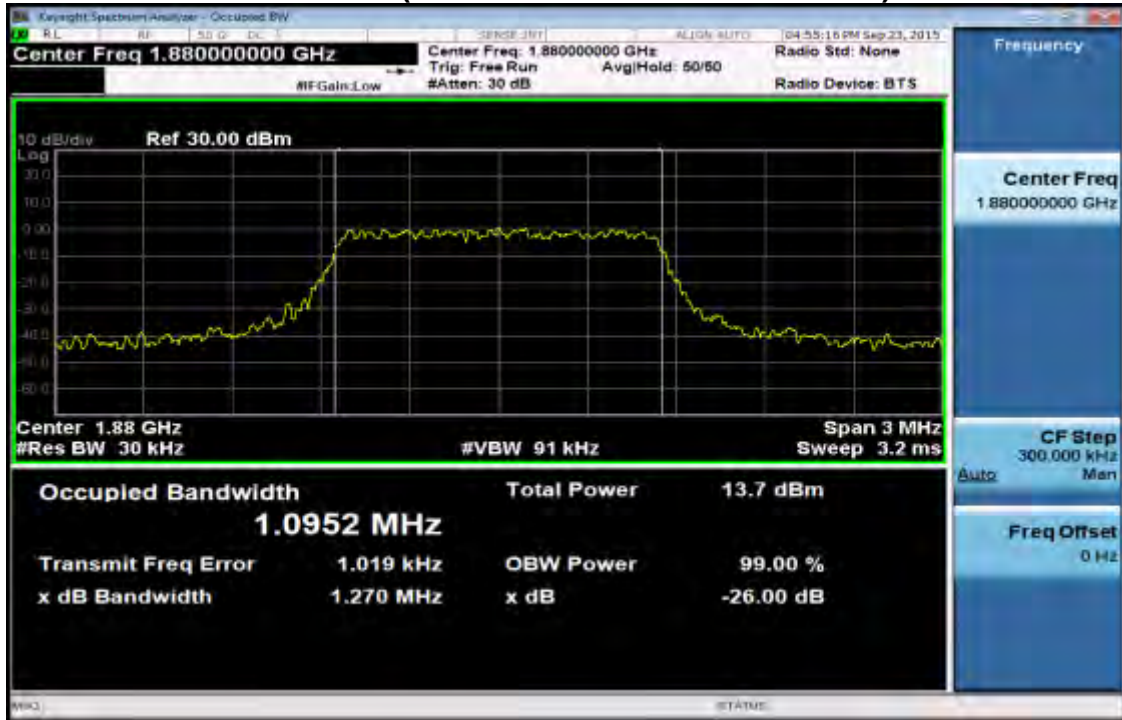
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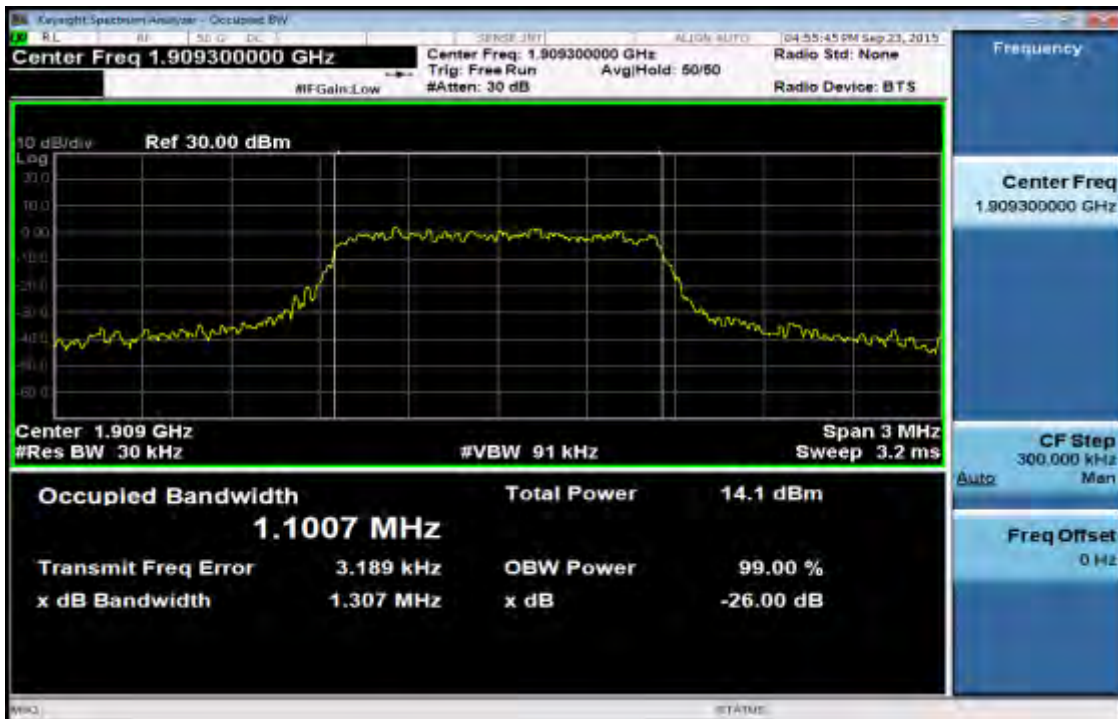
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1.4MHz BW LTE-Band 2(16QAM RB Number: 6 Offset: 0) Channel Mid



1.4MHz BW LTE-Band 2(16QAM RB Number: 6 Offset: 0) Channel High



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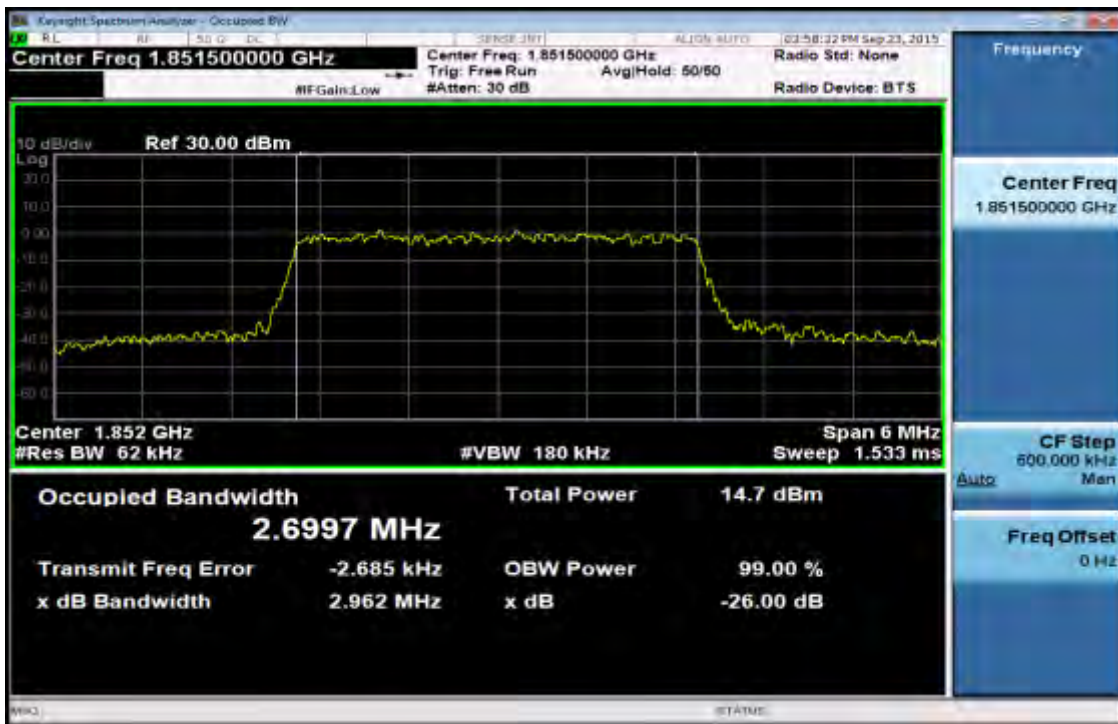
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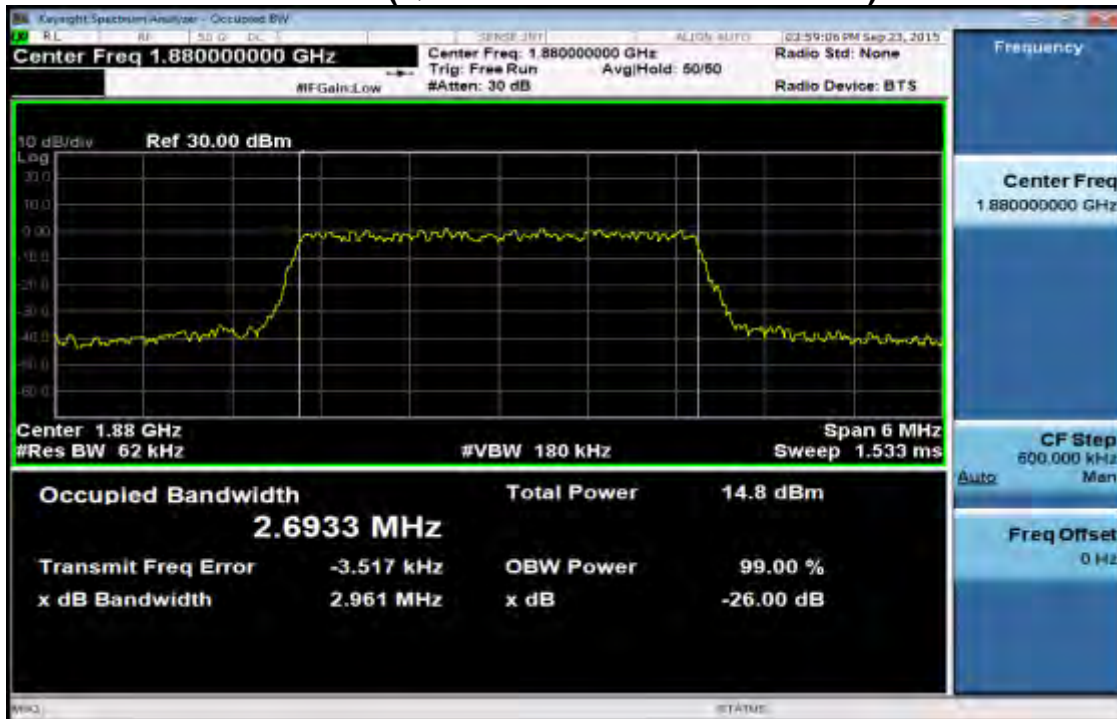
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3MHz BW LTE-Band 2(QPSK RB Number: 15 Offset: 0) Channel Low



3MHz BW LTE-Band 2(QPSK RB Number: 15 Offset: 0) Channel Mid



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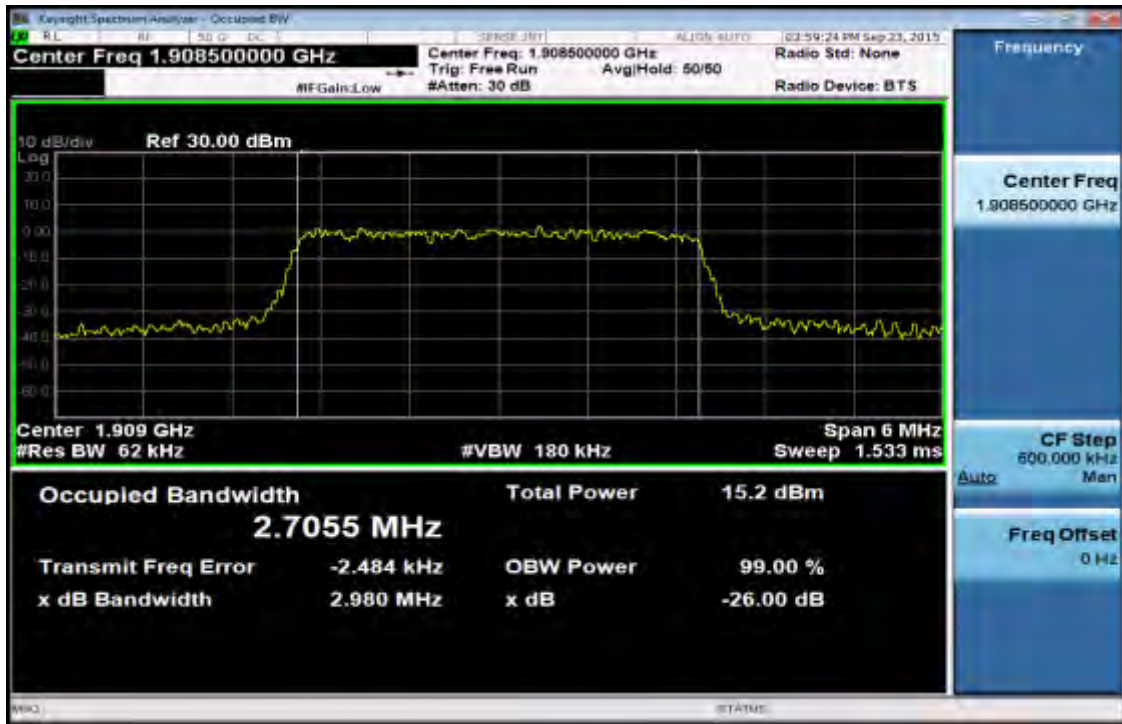
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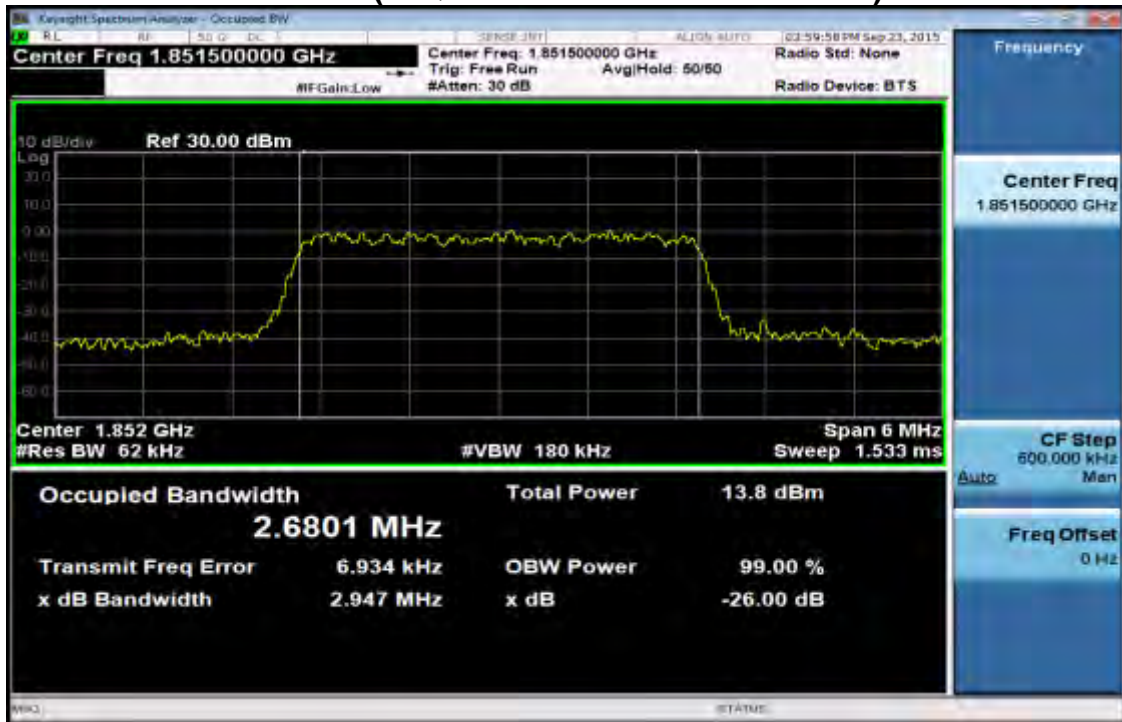
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3MHz BW LTE-Band 2(QPSK RB Number: 15 Offset: 0) Channel High



3MHz BW LTE-Band 2(16QAM RB Number: 15 Offset: 0) Channel Low



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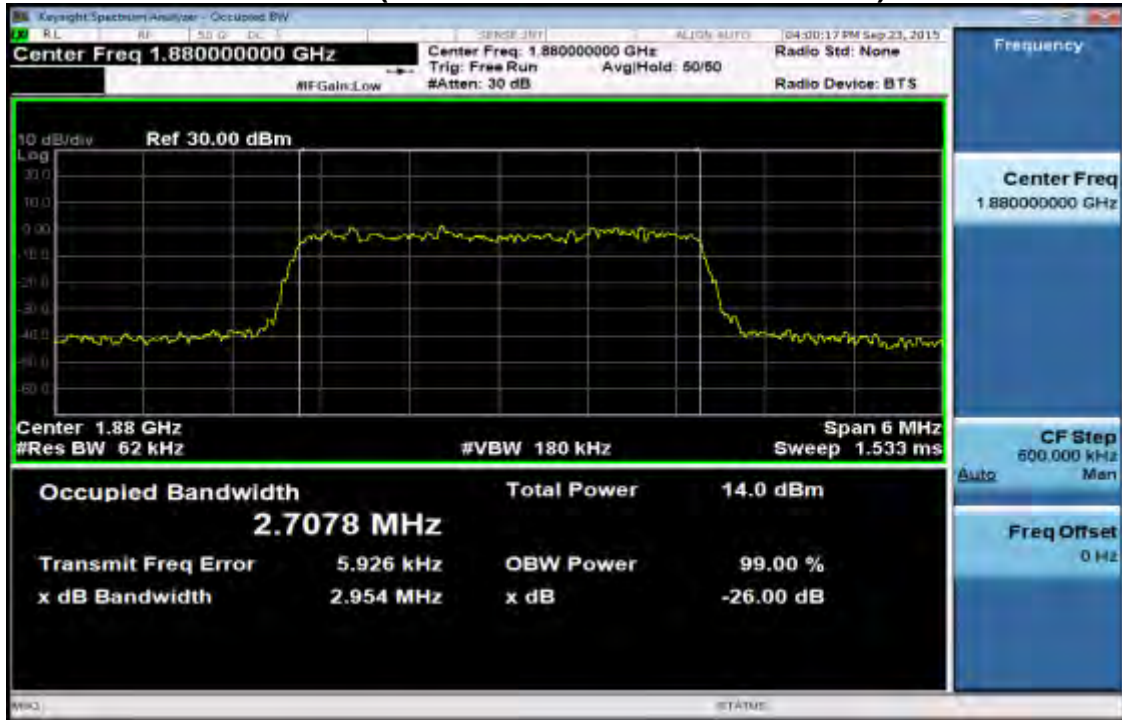
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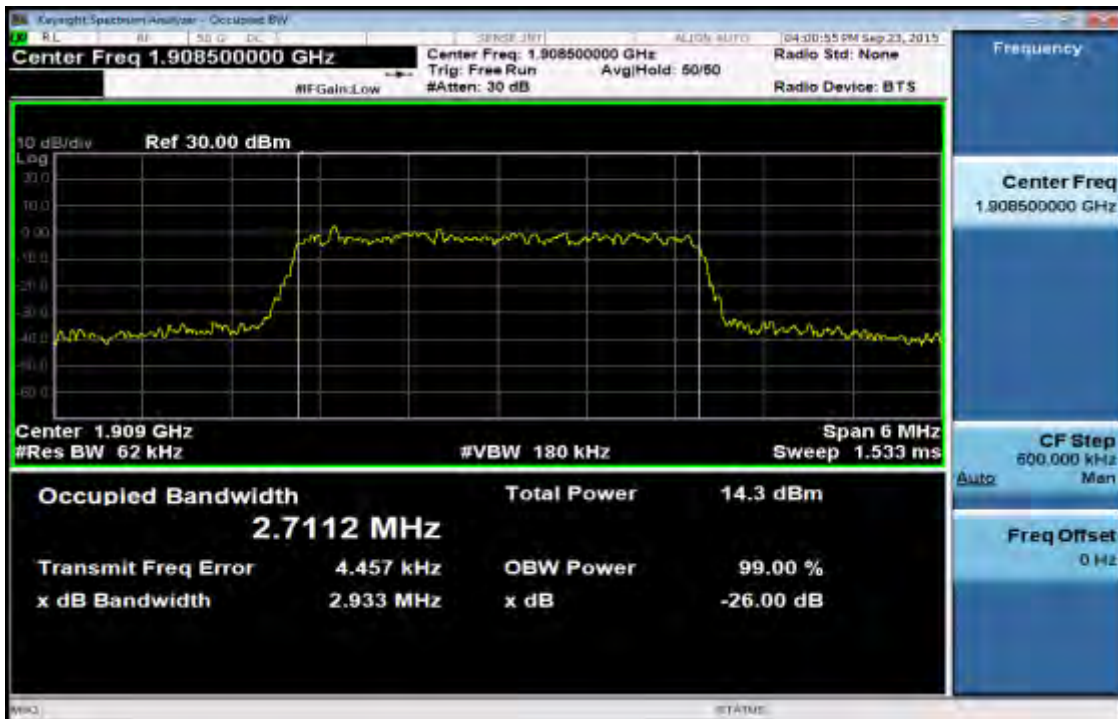
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3MHz BW LTE-Band 2(16QAM RB Number: 15 Offset: 0) Channel Mid



3MHz BW LTE-Band 2(16QAM RB Number: 15 Offset: 0) Channel High



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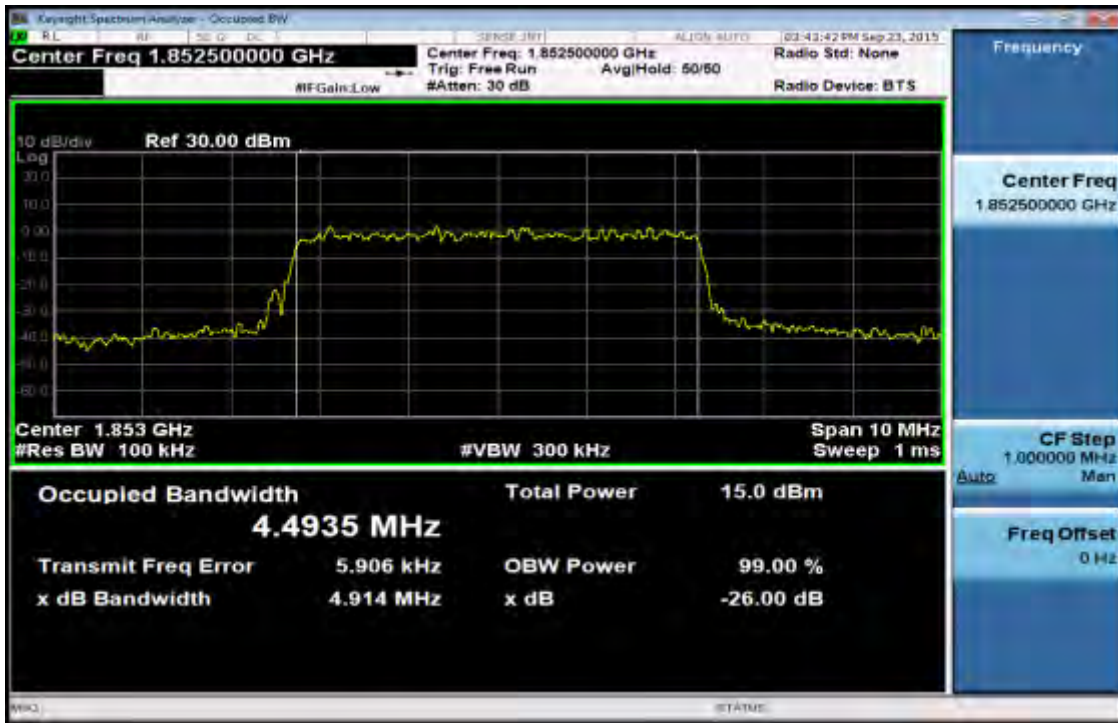
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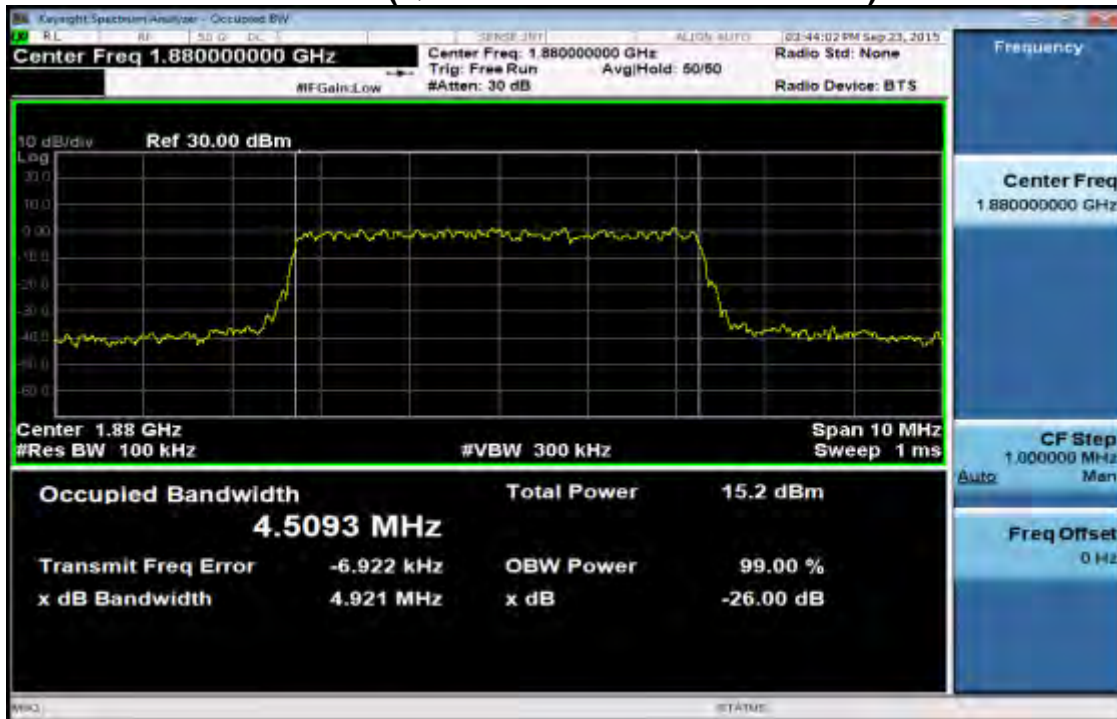
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5MHz BW LTE-Band 2(QPSK RB Number: 25 Offset: 0) Channel Low



5MHz BW LTE-Band 2(QPSK RB Number: 25 Offset: 0) Channel Mid



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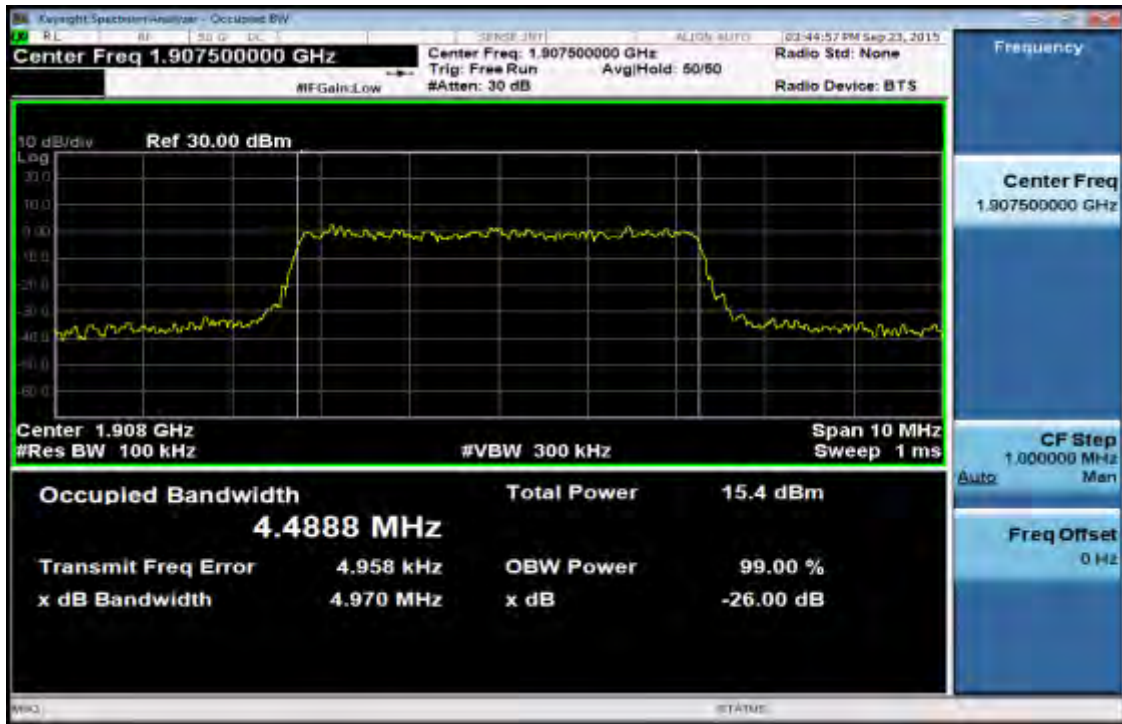
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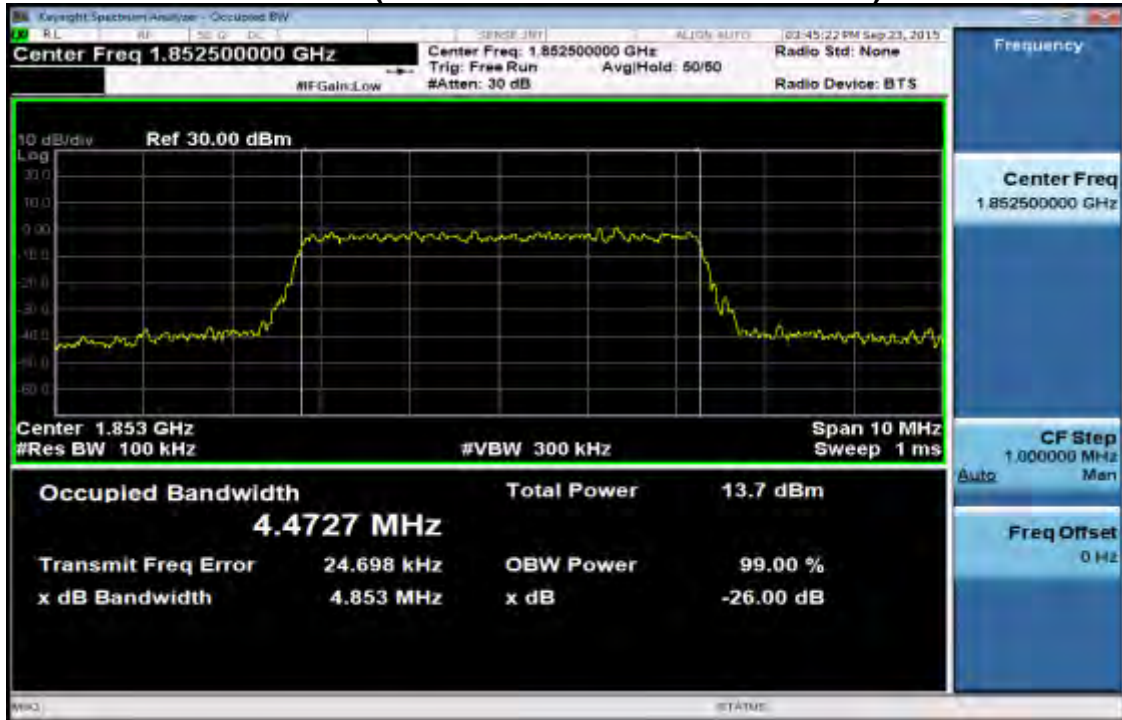
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5MHz BW LTE-Band 2(QPSK RB Number: 25 Offset: 0) Channel High



5MHz BW LTE-Band 2(16QAM RB Number: 25 Offset: 0) Channel Low



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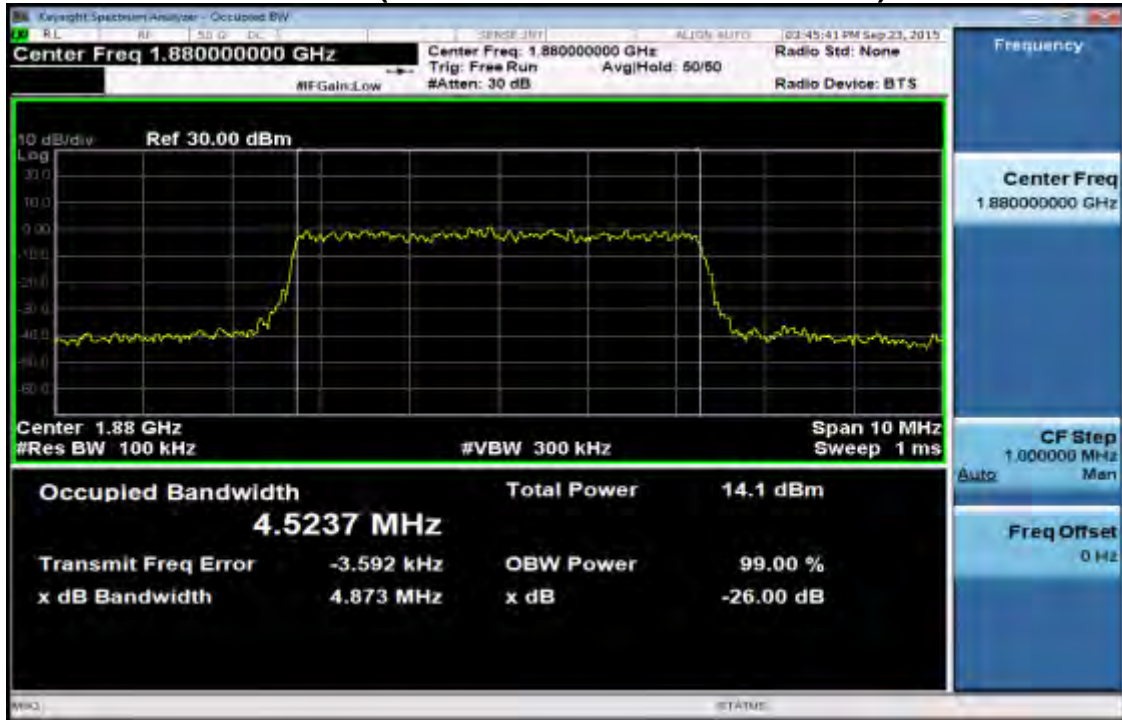
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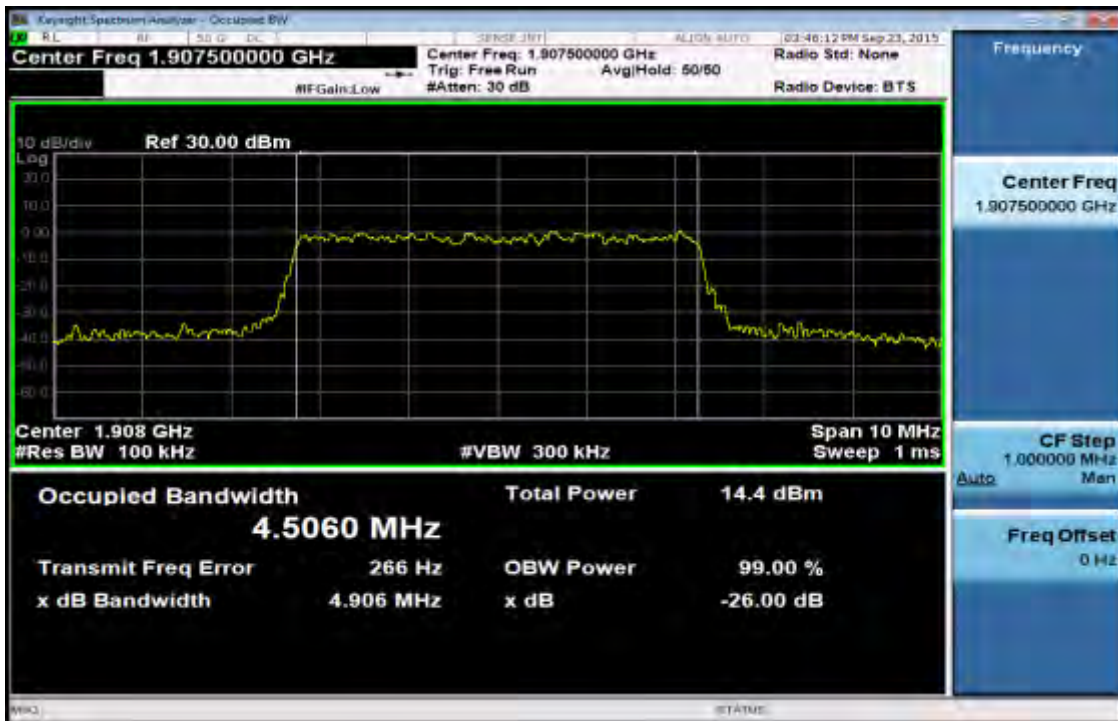
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5MHz BW LTE-Band 2(16QAM RB Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 2(16QAM RB Number: 25 Offset: 0) Channel High



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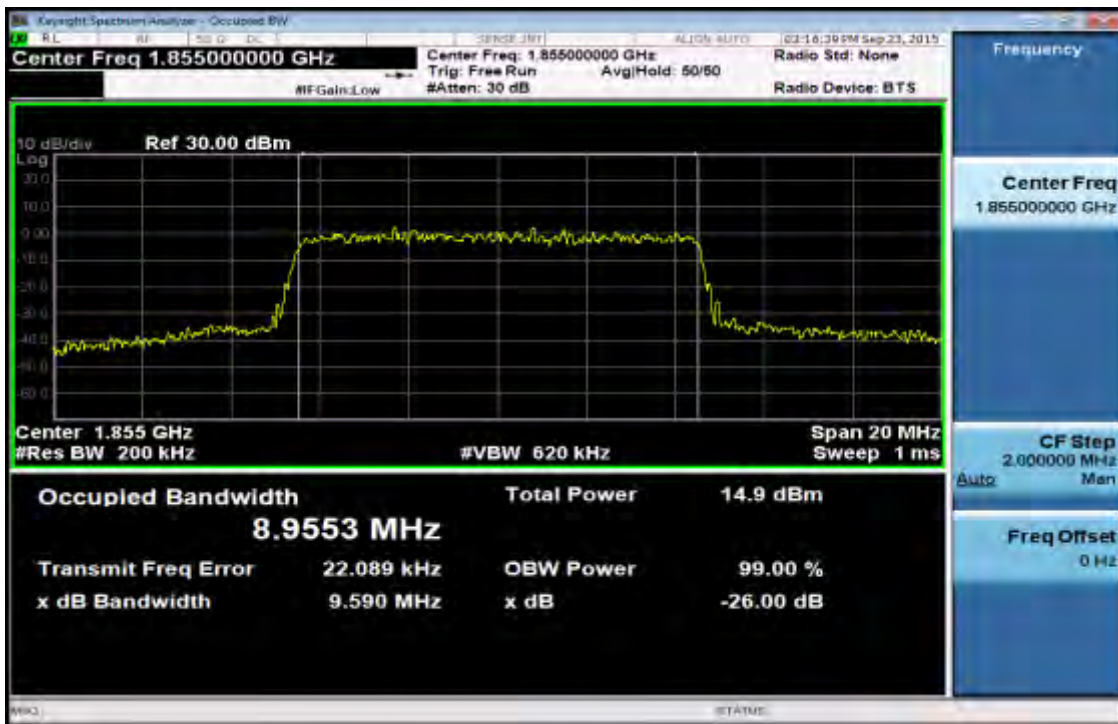
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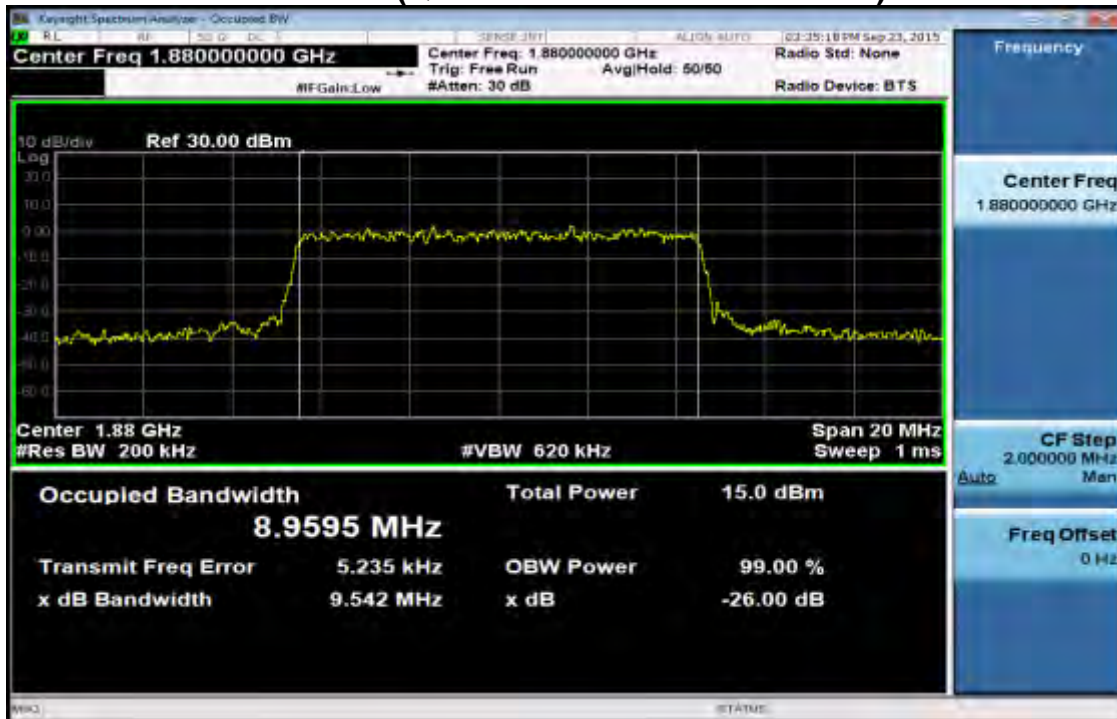
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10MHz BW LTE-Band 2(QPSK RB Number: 50 Offset: 0) Channel Low



10MHz BW LTE-Band 2(QPSK RB Number: 50 Offset: 0) Channel Mid



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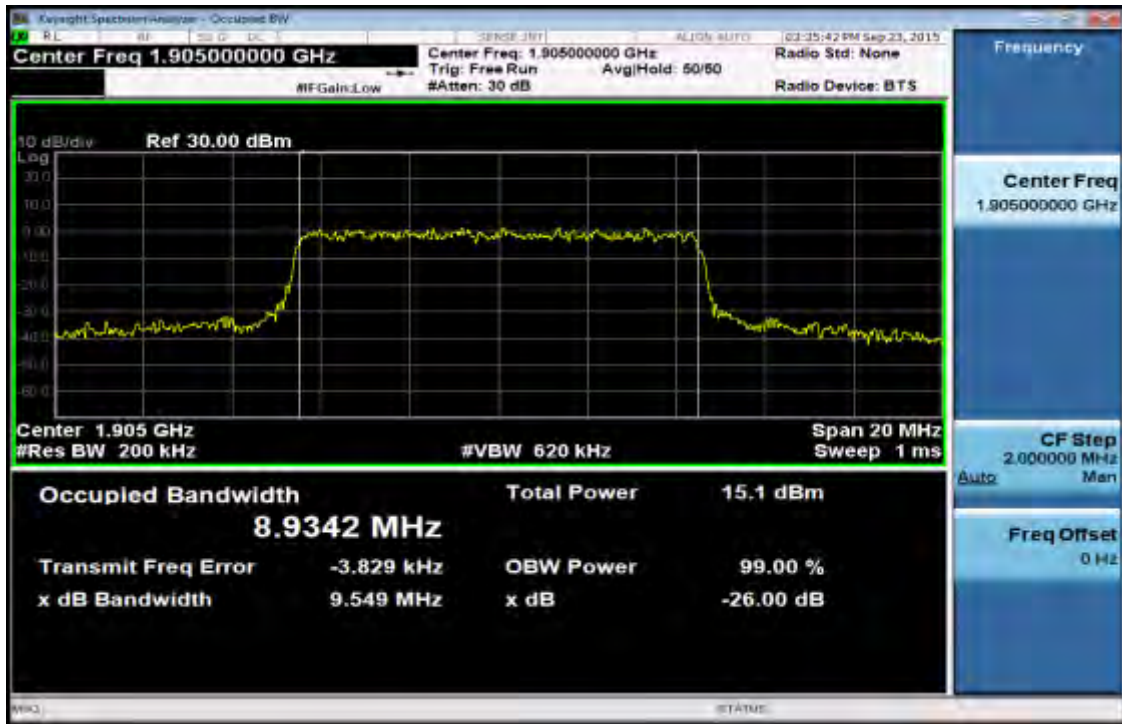
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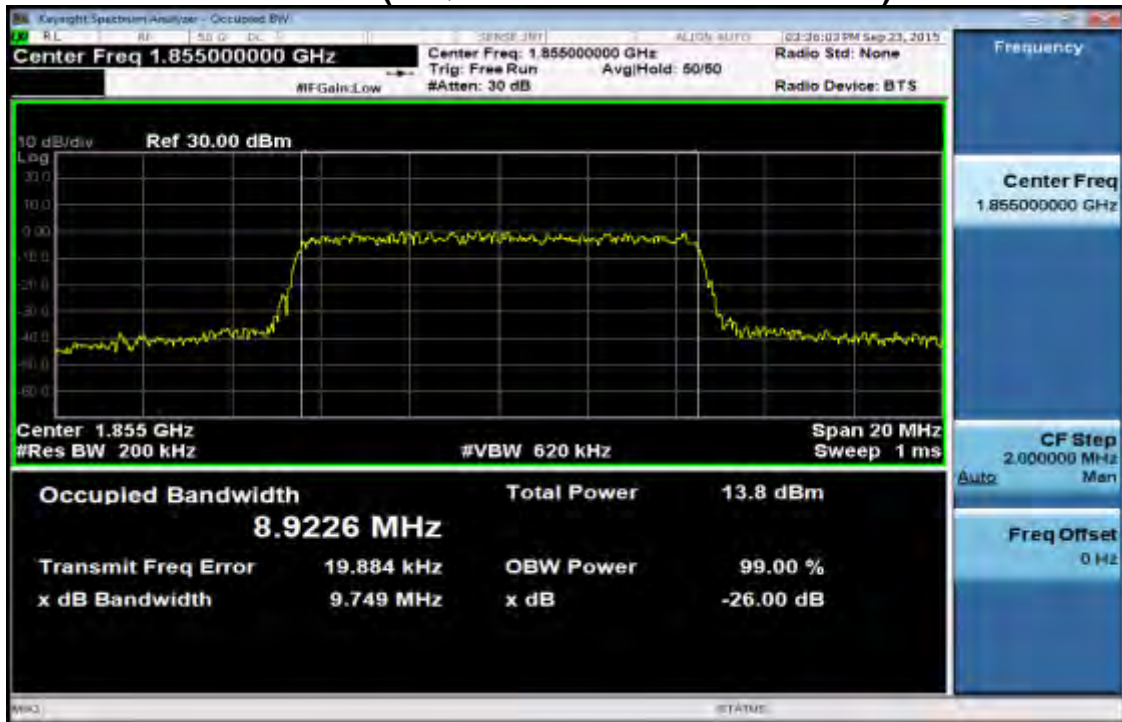
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10MHz BW LTE-Band 2 (QPSK RB Number: 50 Offset: 0) Channel High



10MHz BW LTE-Band 2(16QAM RB Number: 50 Offset: 0) Channel Low



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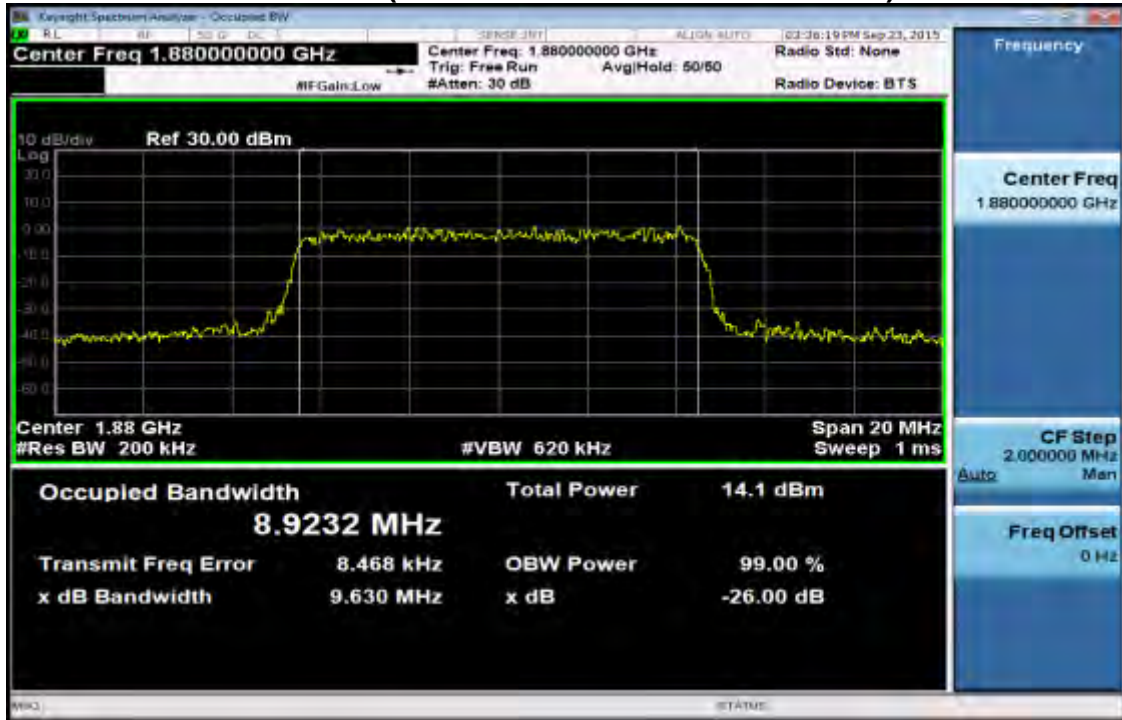
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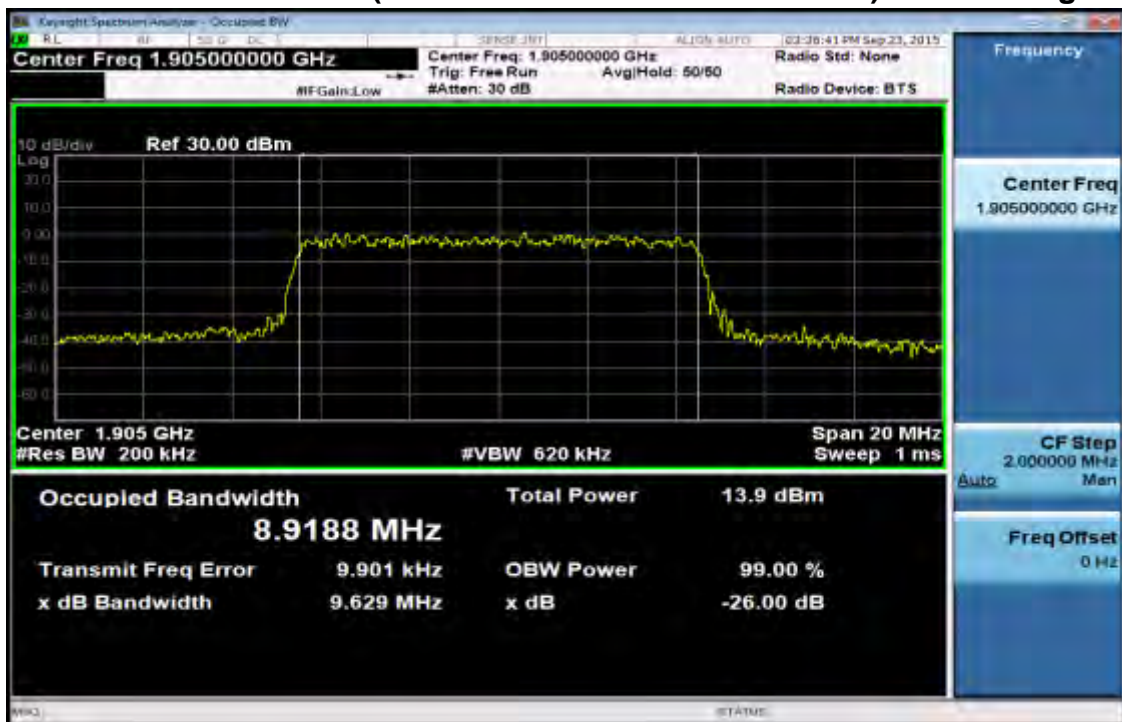
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10MHz BW LTE-Band 2(16QAM RB Number: 50 Offset: 0) Channel Mid



10MHz BW LTE-Band 2(16QAM RB Number: 50 Offset: 0) Channel High



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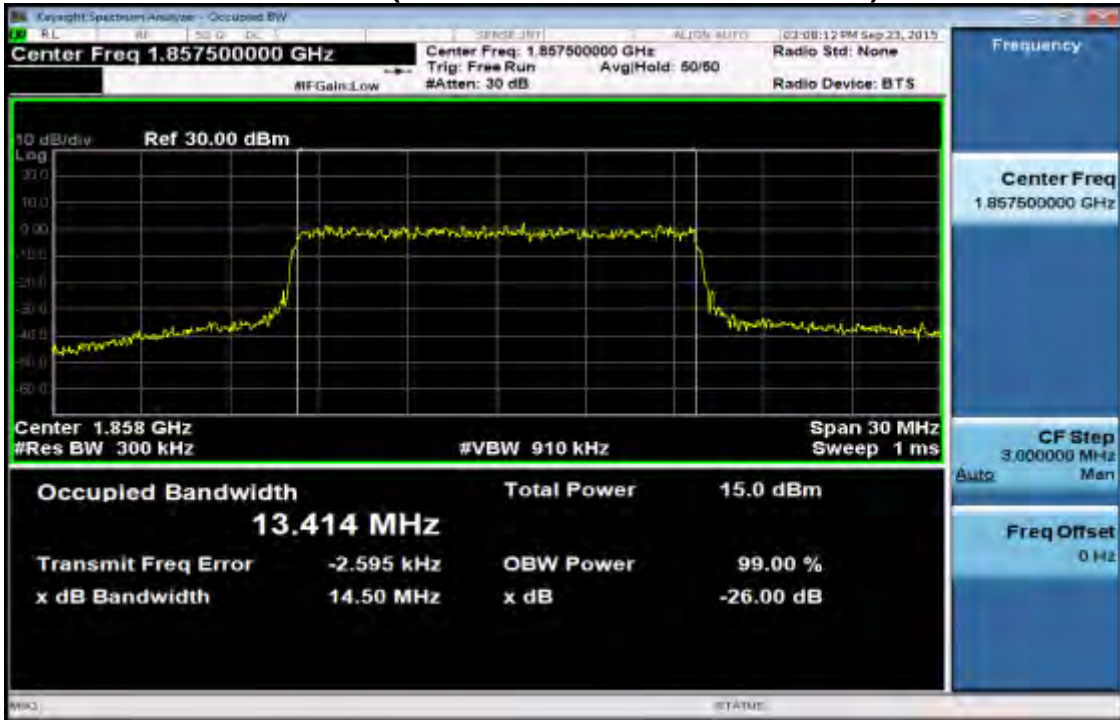
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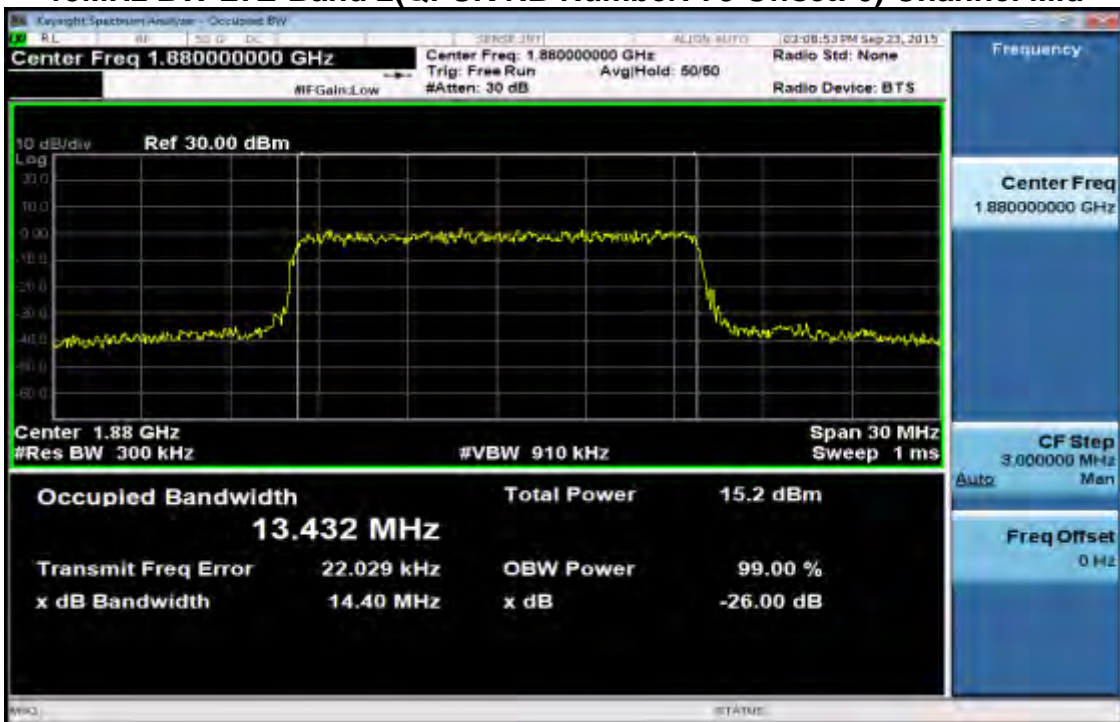
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15MHz BW LTE-Band 2(QPSK RB Number: 75 Offset: 0) Channel Low



15MHz BW LTE-Band 2(QPSK RB Number: 75 Offset: 0) Channel Mid



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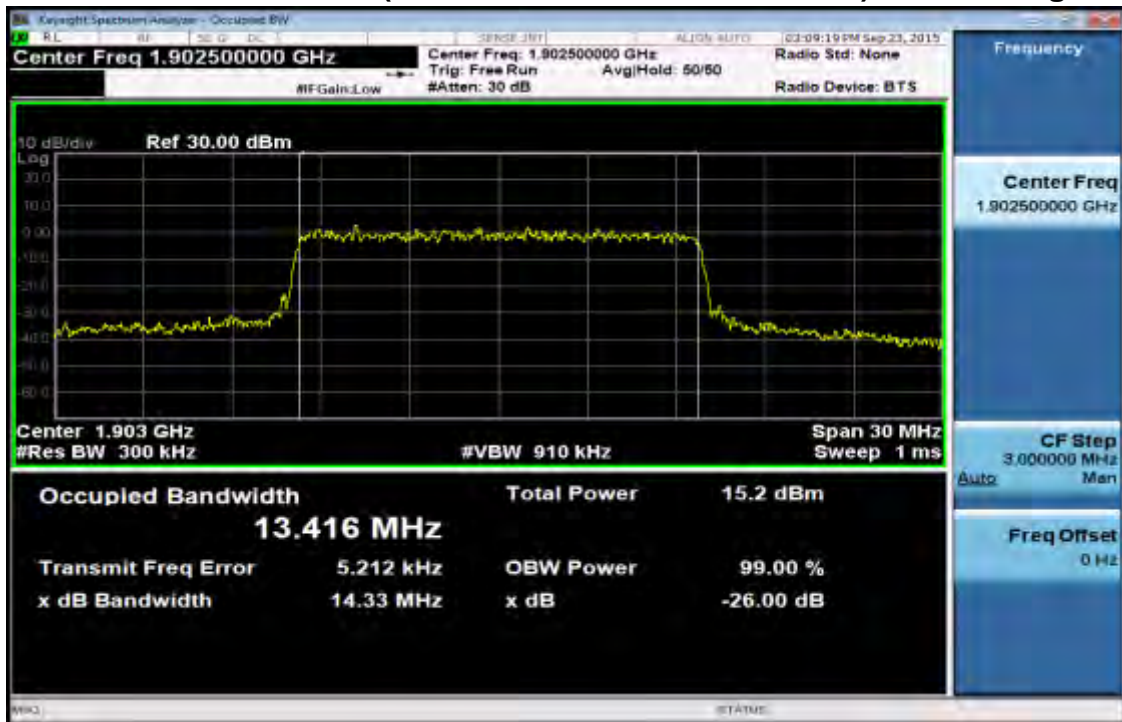
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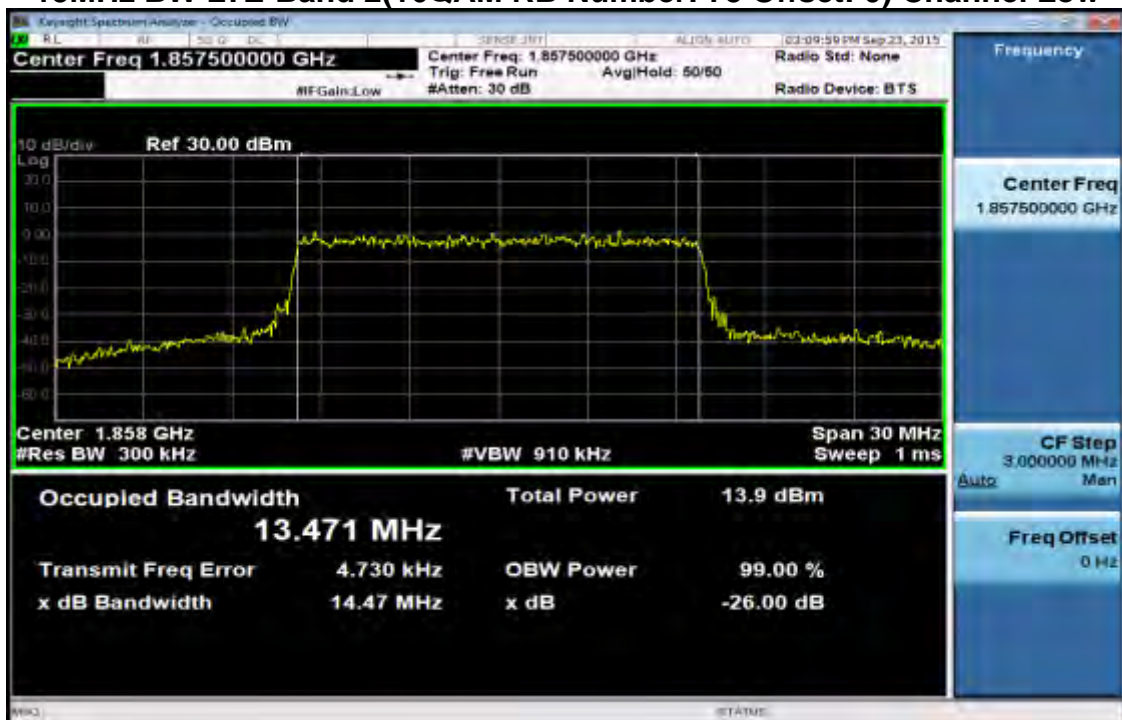
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15MHz BW LTE-Band 2(QPSK RB Number: 75 Offset: 0) Channel High



15MHz BW LTE-Band 2(16QAM RB Number: 75 Offset: 0) Channel Low



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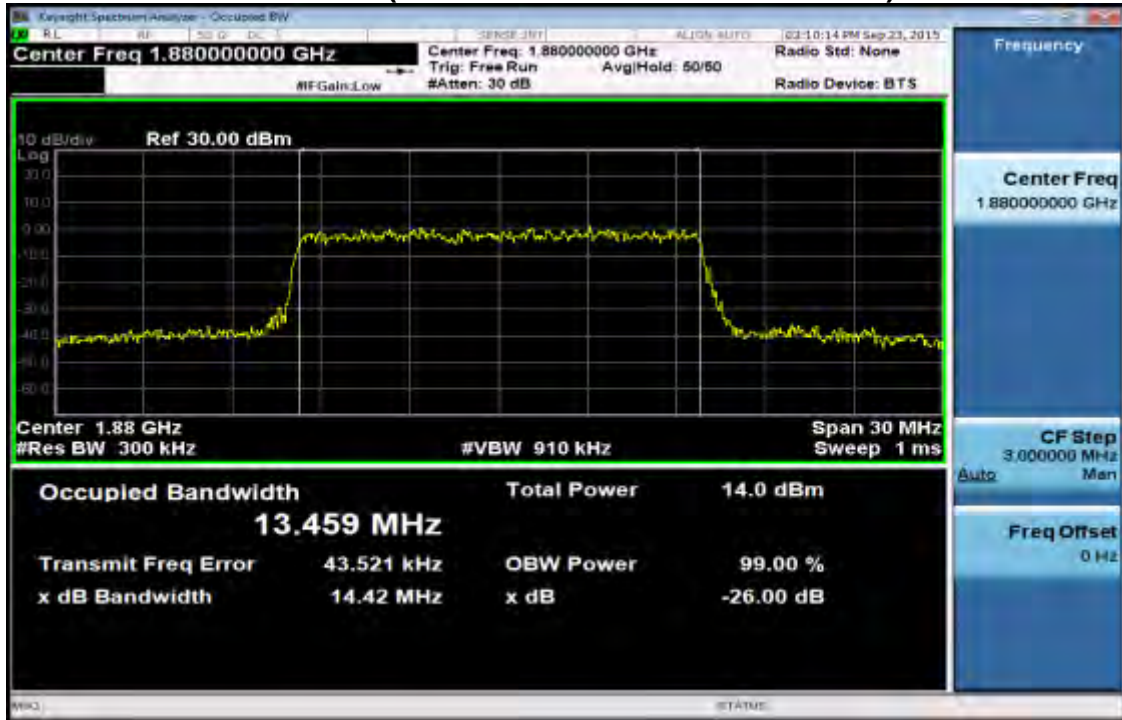
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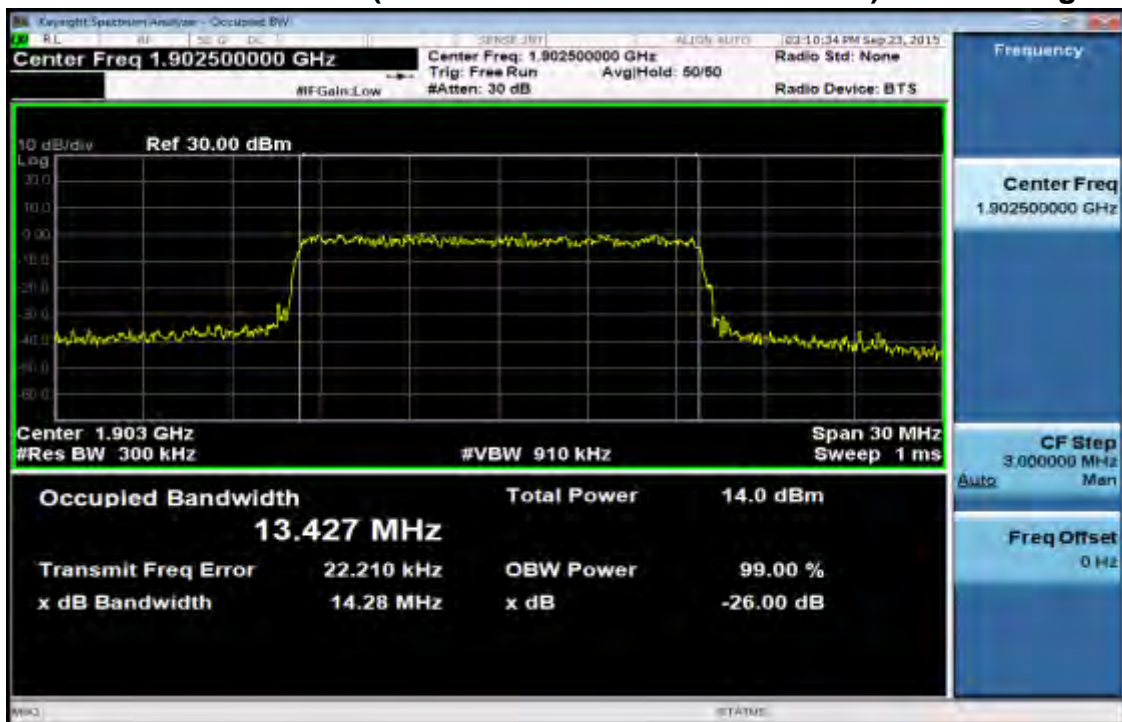
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15MHz BW LTE-Band 2(16QAM RB Number: 75 Offset: 0) Channel Mid



15MHz BW LTE-Band 2(16QAM RB Number: 75 Offset: 0) Channel High



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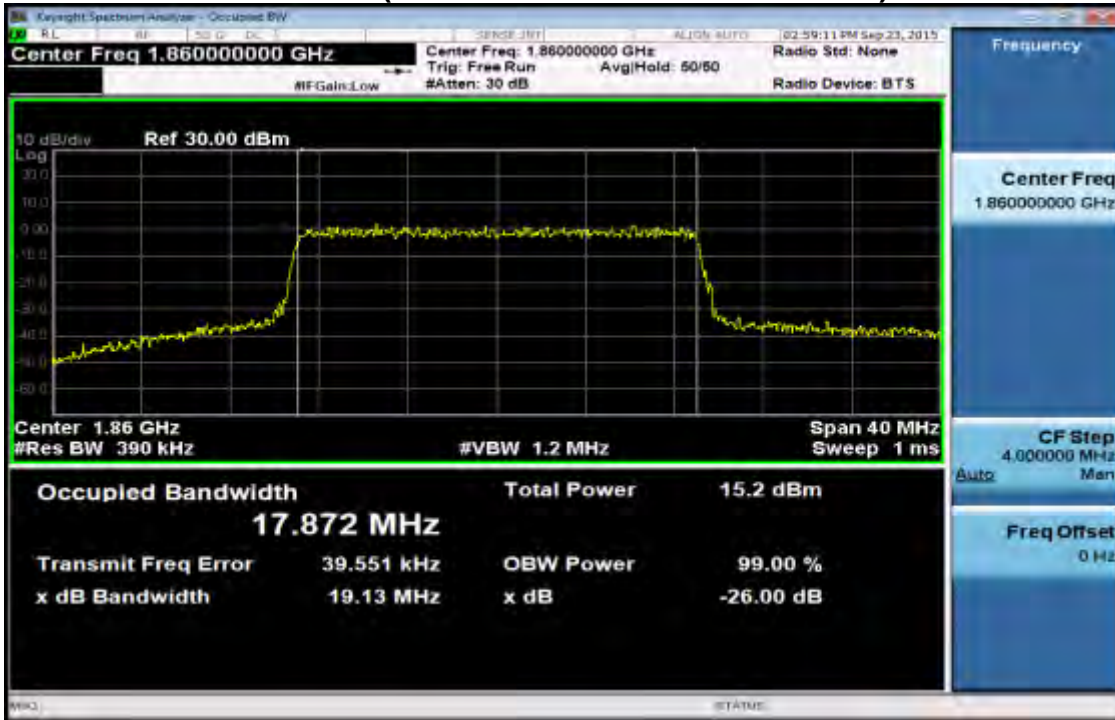
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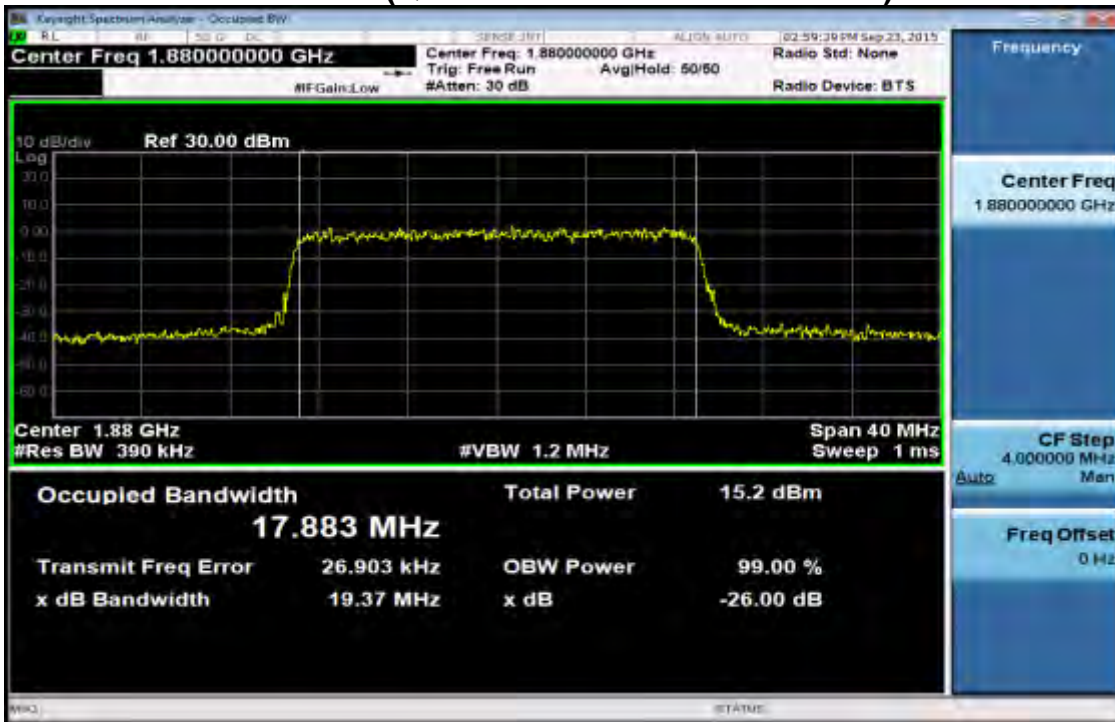
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20MHz BW LTE-Band 2(QPSK RB Number: 100 Offset: 0) Channel Low



20MHz BW LTE-Band 2(QPSK RB Number: 100 Offset: 0) Channel Mid



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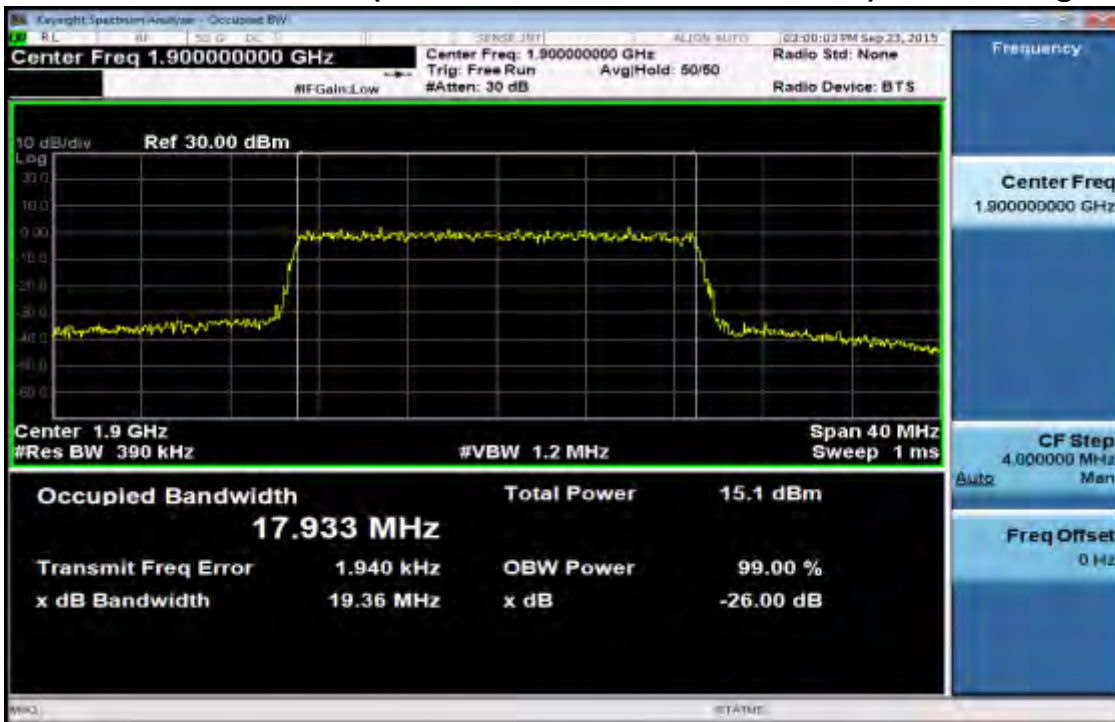
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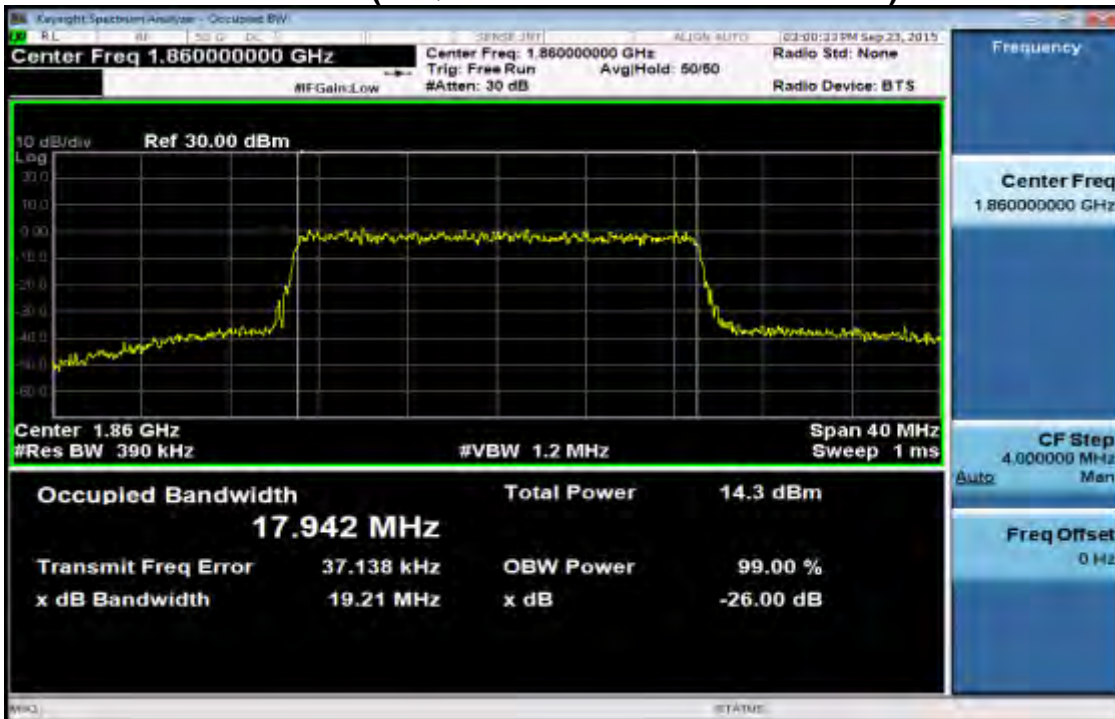
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20MHz BW LTE-Band 2(QPSK RB Number: 100 Offset: 0) Channel High



20MHz BW LTE-Band 2(16QAM RB Number: 100 Offset: 0) Channel Low



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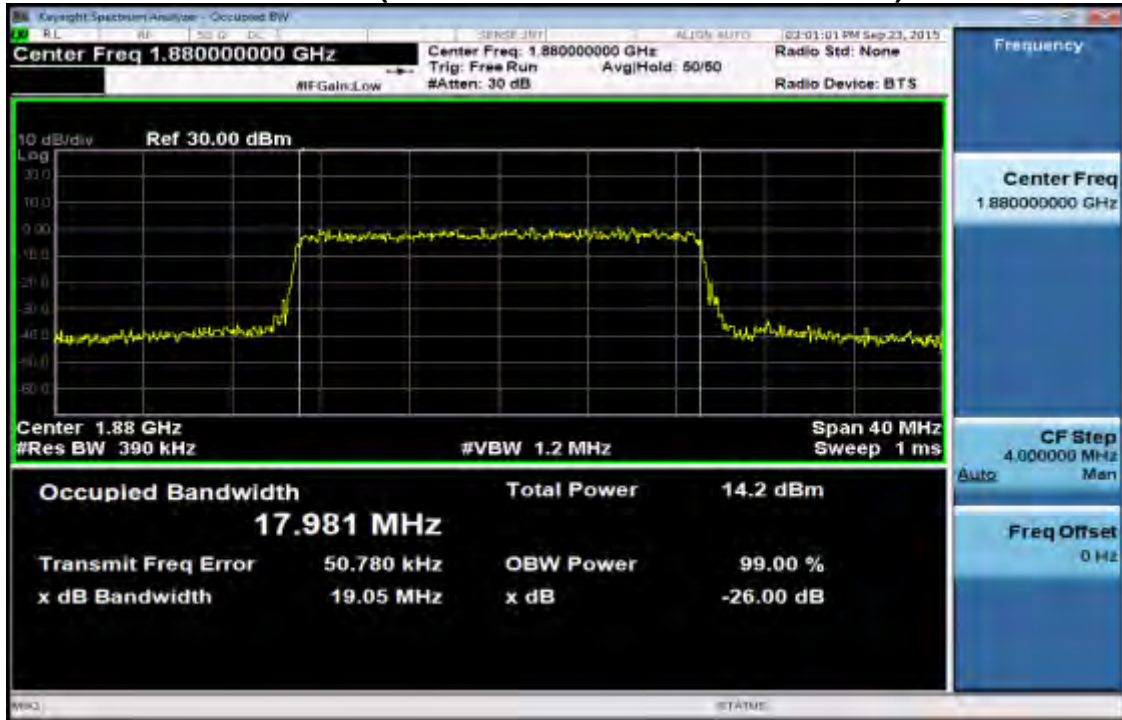
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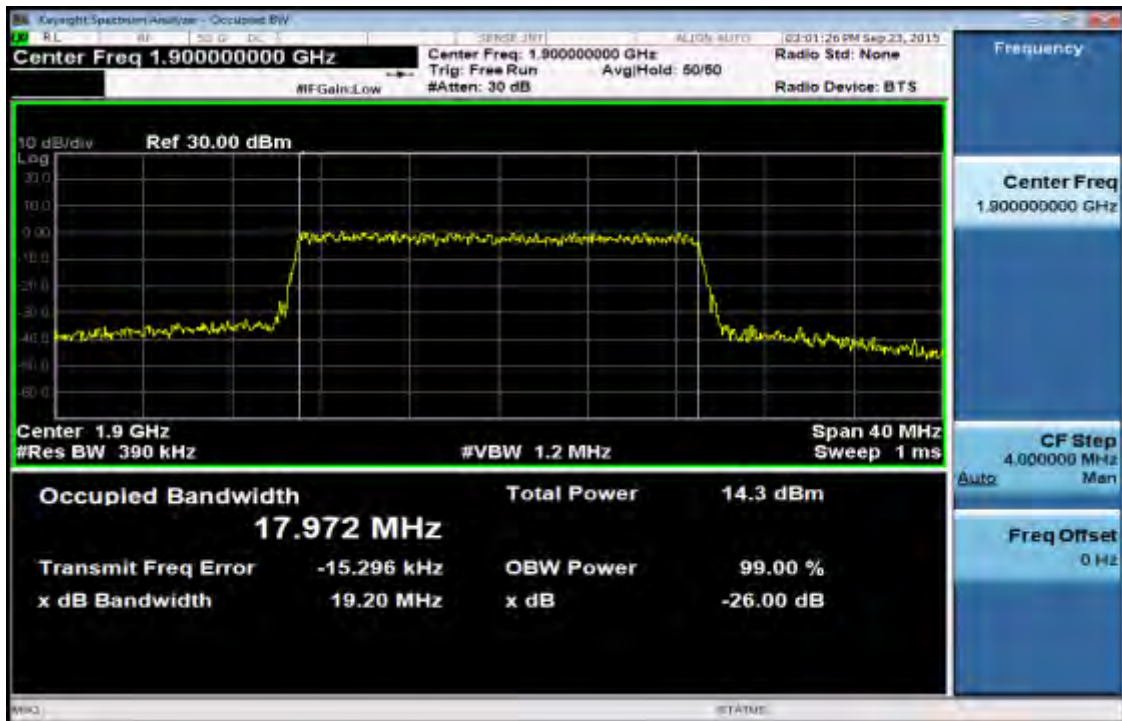
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20MHz BW LTE-Band 2(16QAM RB Number: 100 Offset: 0) Channel Mid



20MHz BW LTE-Band 2(16QAM RB Number: 100 Offset: 0) Channel High



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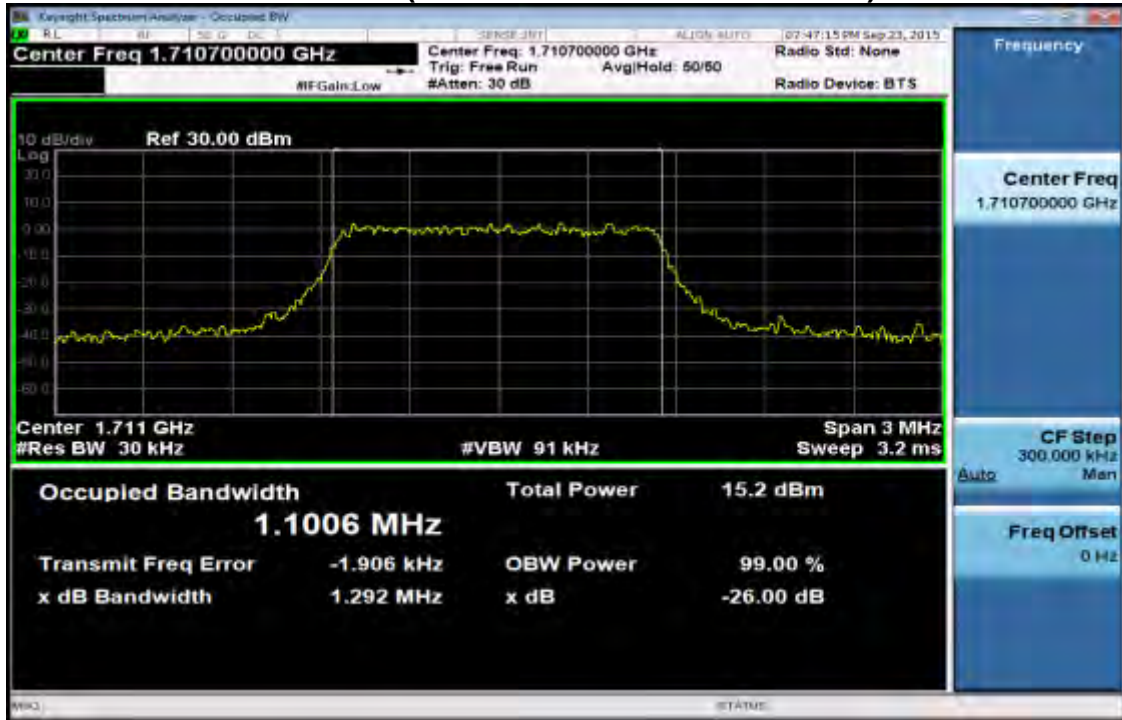
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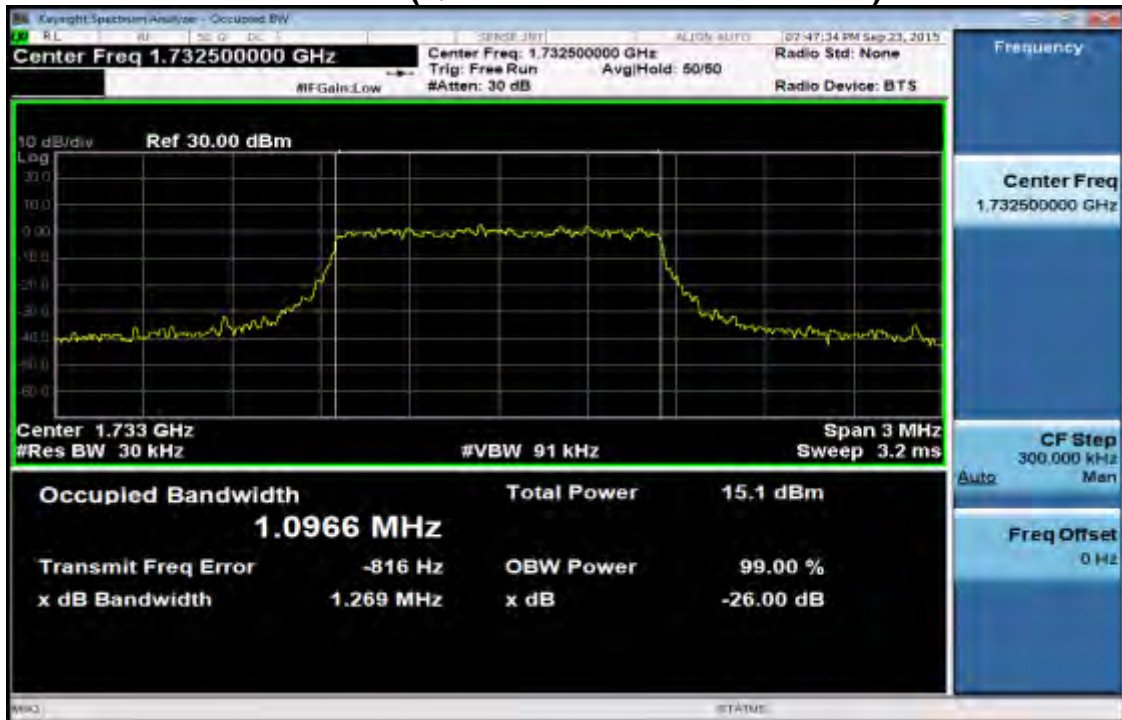
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1.4MHz BW LTE-Band 4(QPSK RB Number: 6 Offset: 0) Channel Low



1.4MHz BW LTE-Band 4(QPSK RB Number: 6 Offset: 0) Channel Mid



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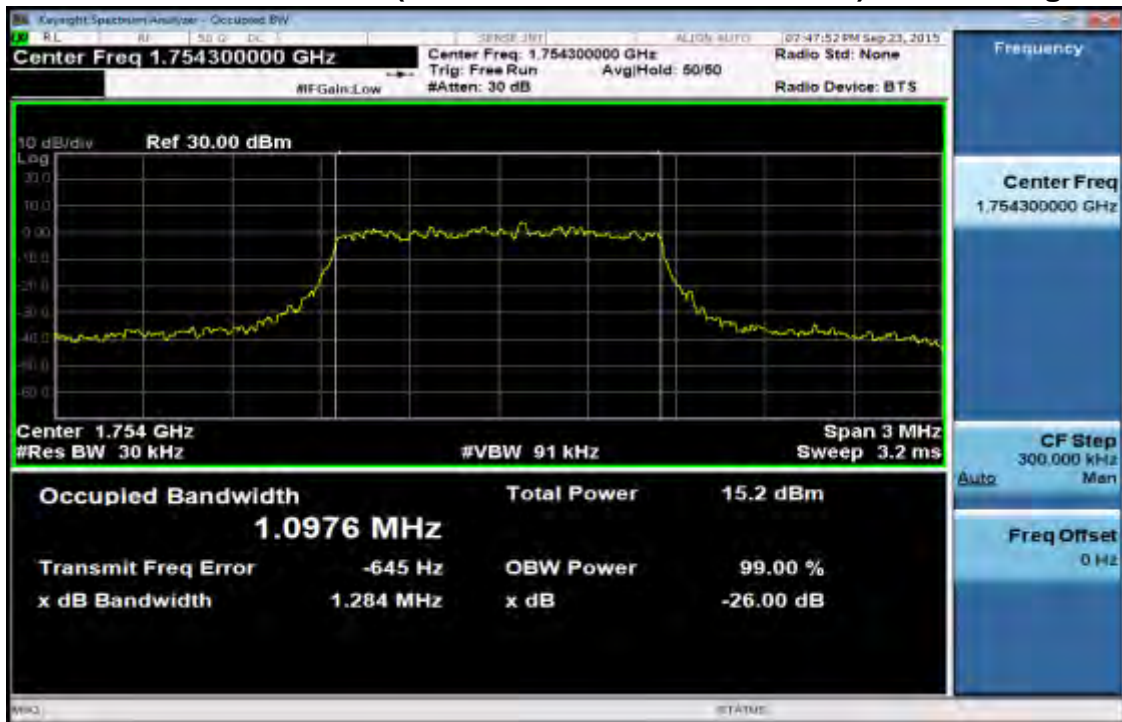
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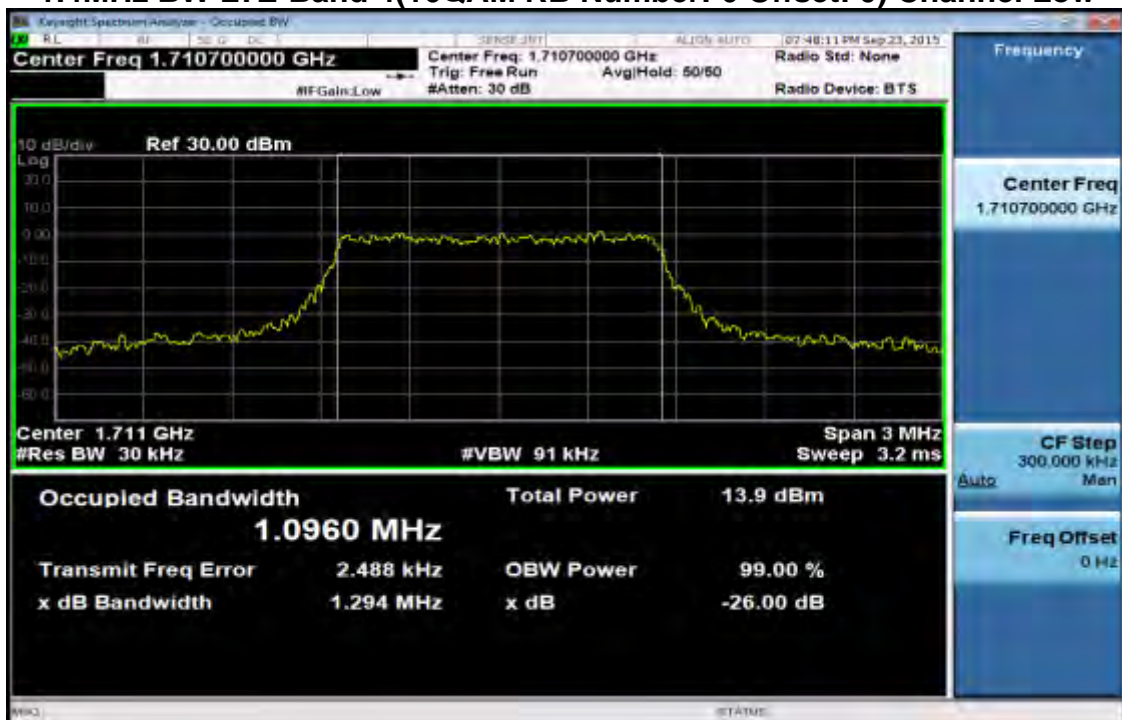
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1.4MHz BW LTE-Band 4(QPSK RB Number: 6 Offset: 0) Channel High



1.4MHz BW LTE-Band 4(16QAM RB Number: 6 Offset: 0) Channel Low

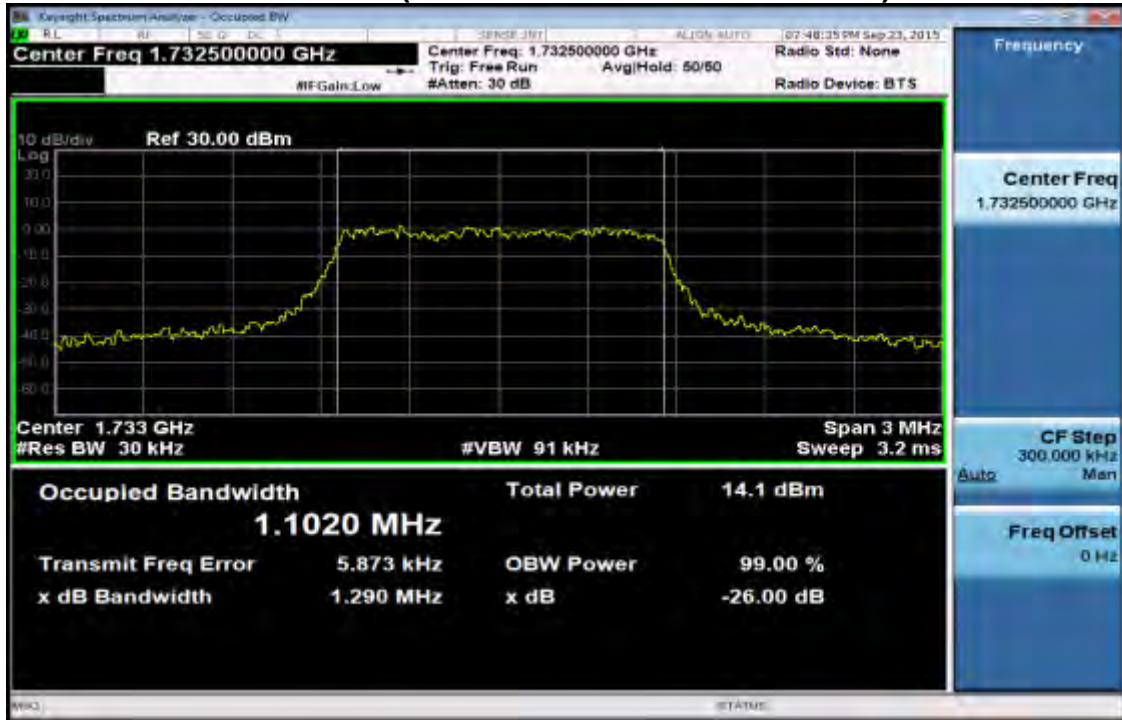


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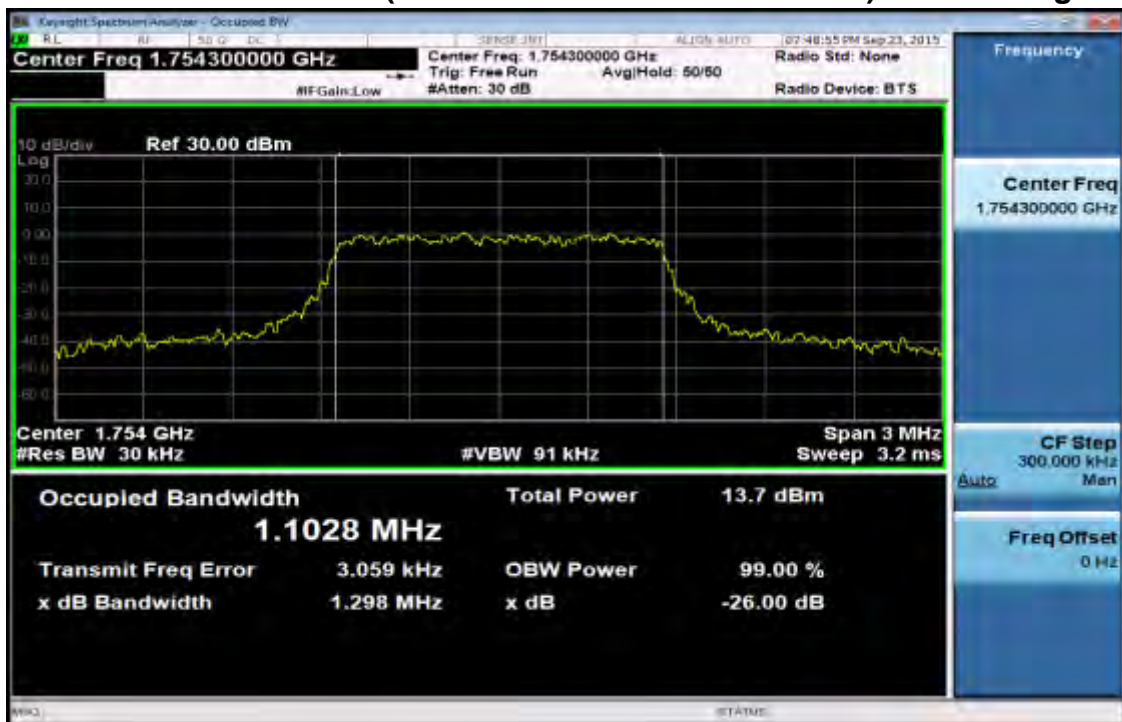
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1.4MHz BW LTE-Band 4(16QAM RB Number: 6 Offset: 0) Channel Mid



1.4MHz BW LTE-Band 4(16QAM RB Number: 6 Offset: 0) Channel High



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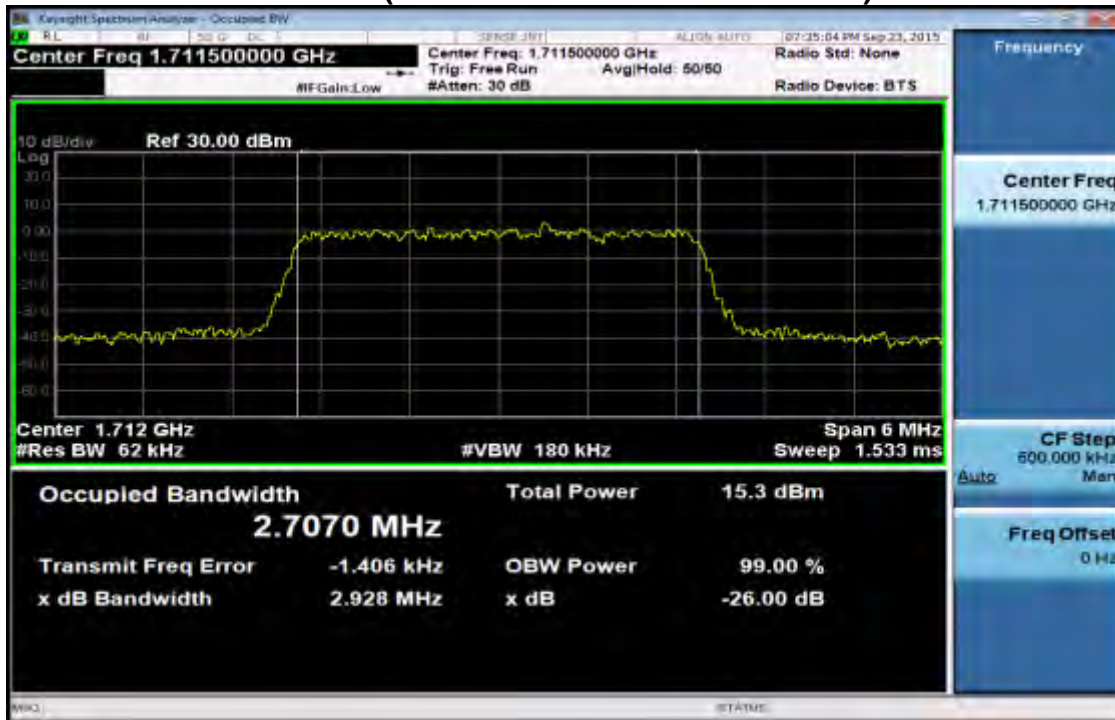
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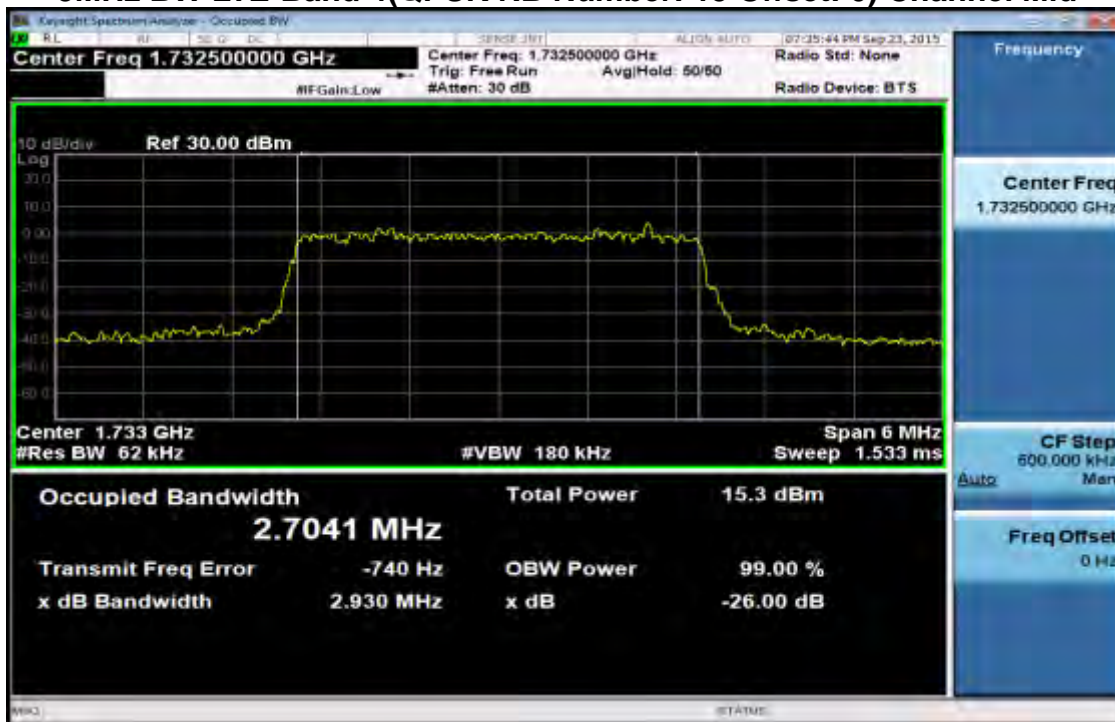
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3MHz BW LTE-Band 4(QPSK RB Number: 15 Offset: 0) Channel Low



3MHz BW LTE-Band 4(QPSK RB Number: 15 Offset: 0) Channel Mid



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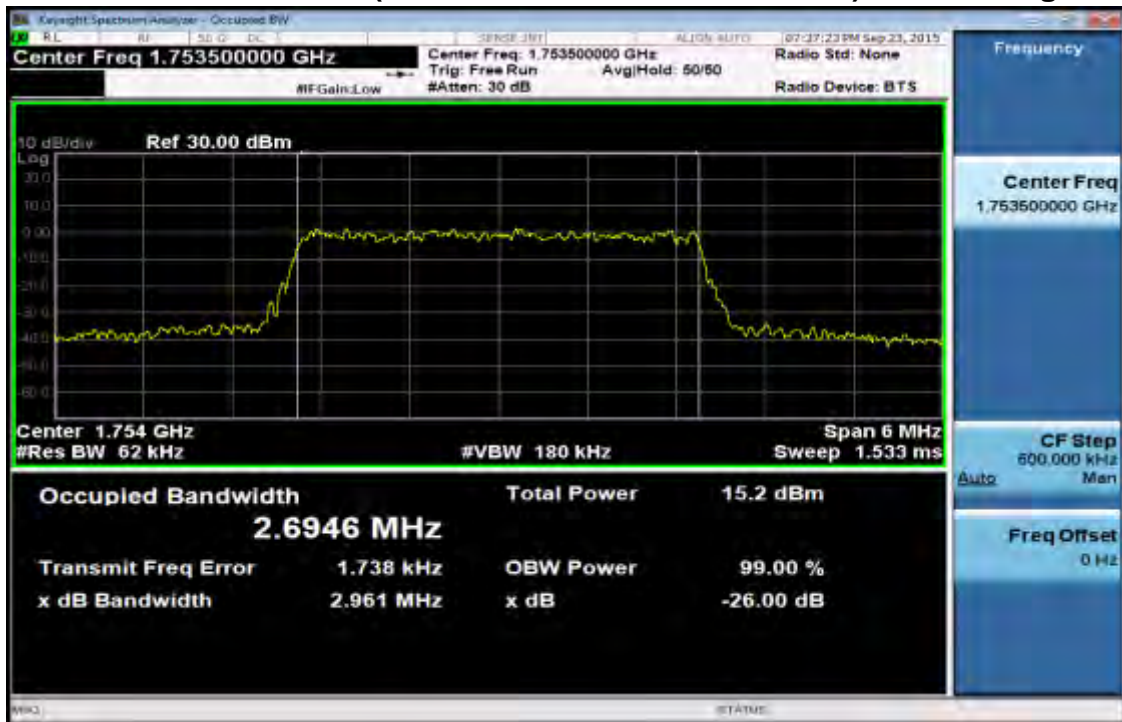
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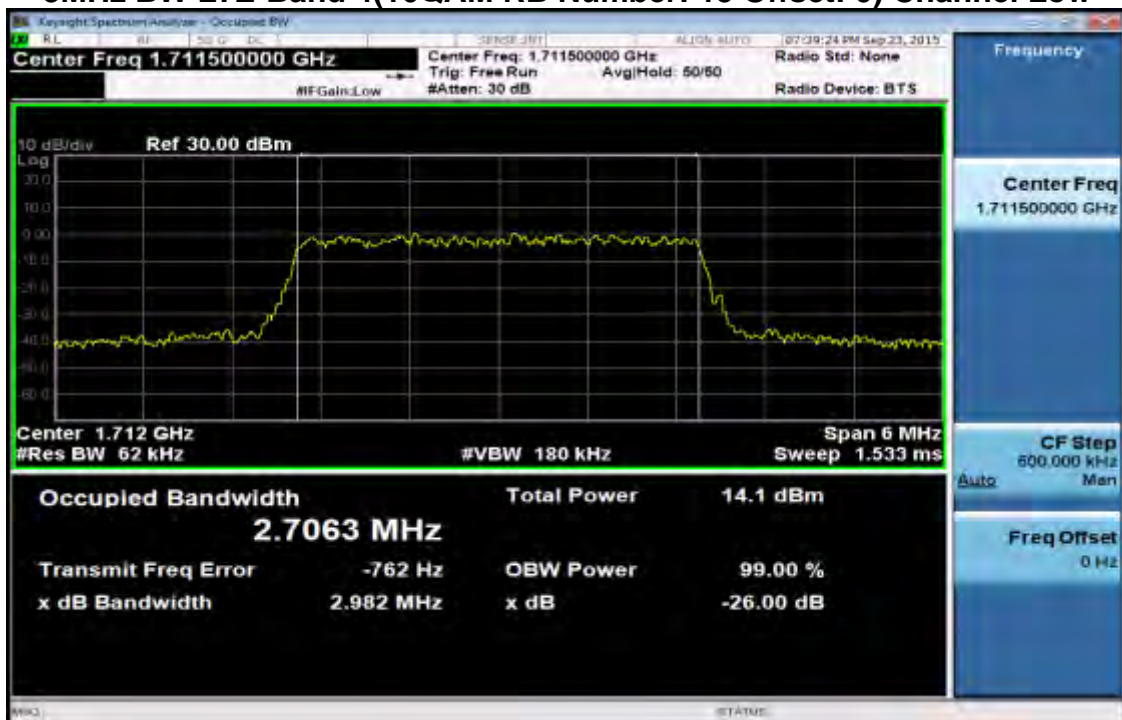
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3MHz BW LTE-Band 4(QPSK RB Number: 15 Offset: 0) Channel High



3MHz BW LTE-Band 4(16QAM RB Number: 15 Offset: 0) Channel Low



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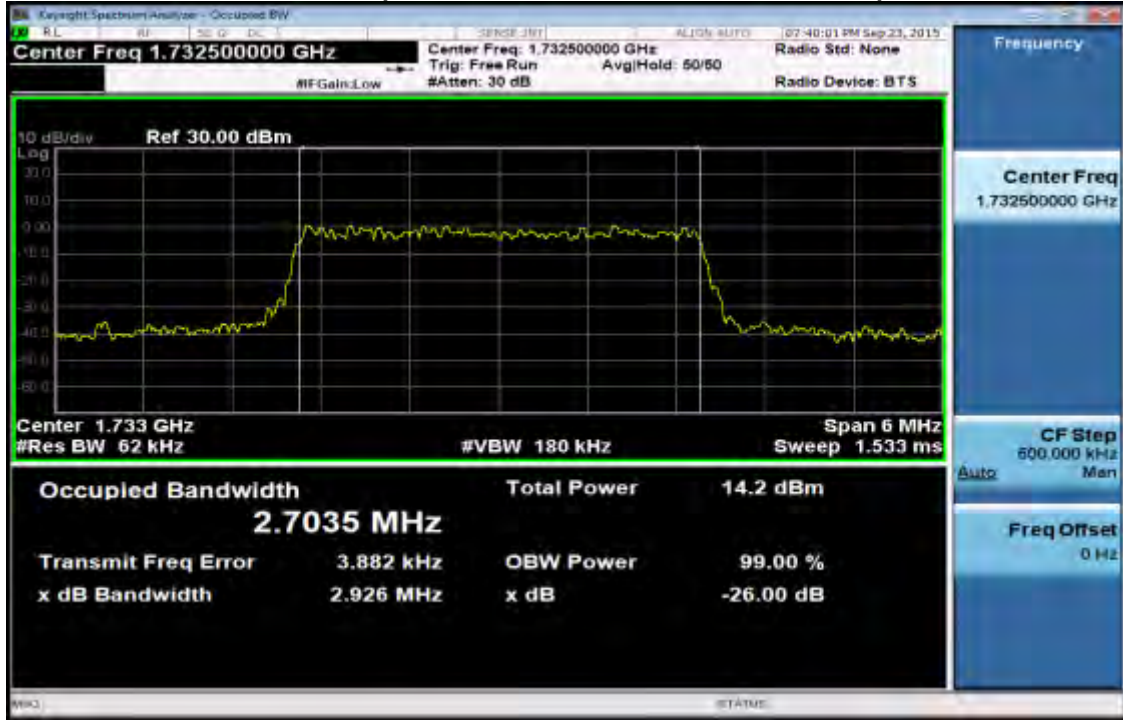
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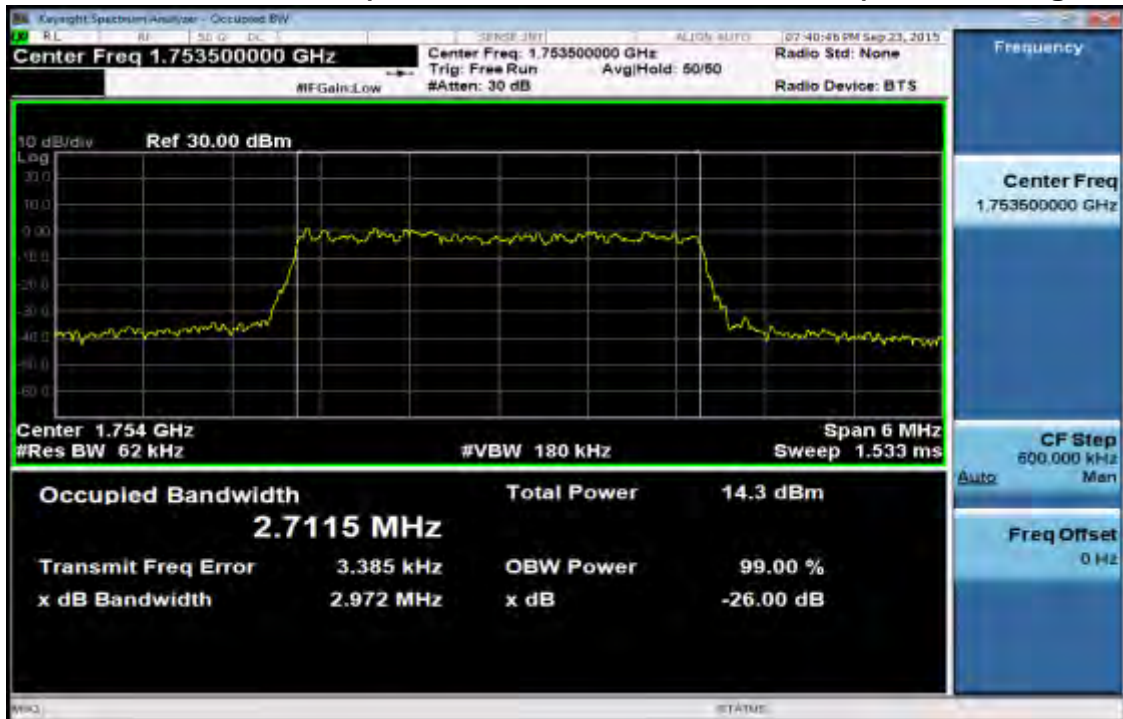
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3MHz BW LTE-Band 4(16QAM RB Number: 15 Offset: 0) Channel Mid



3MHz BW LTE-Band 4(16QAM RB Number: 15 Offset: 0) Channel High



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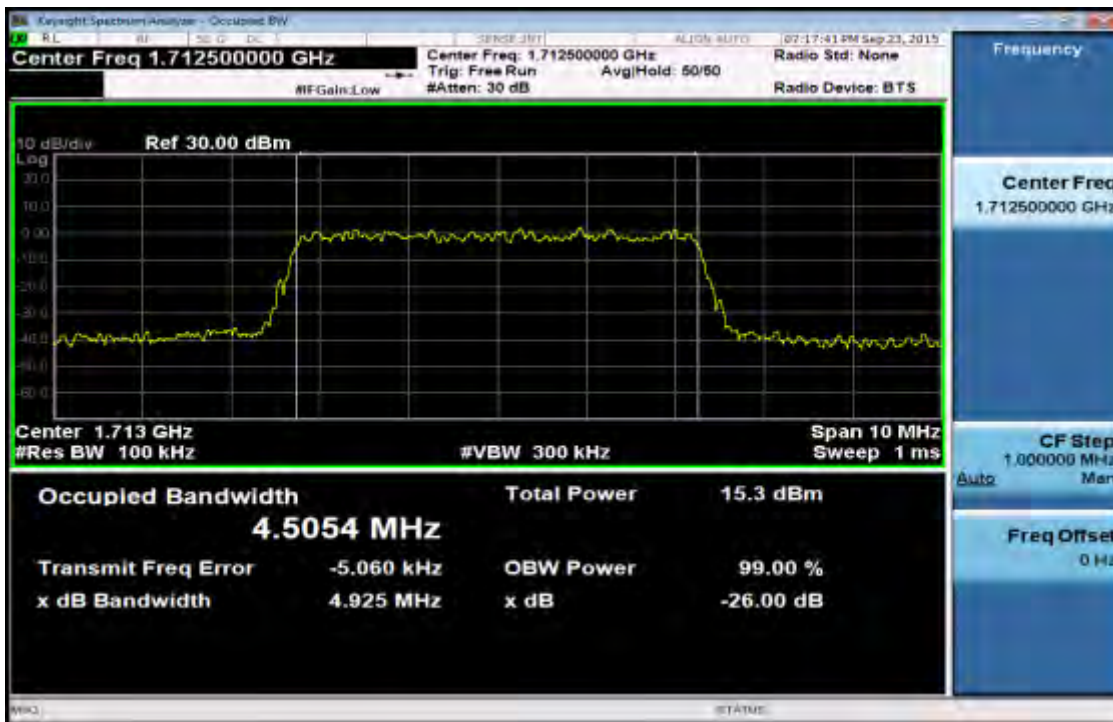
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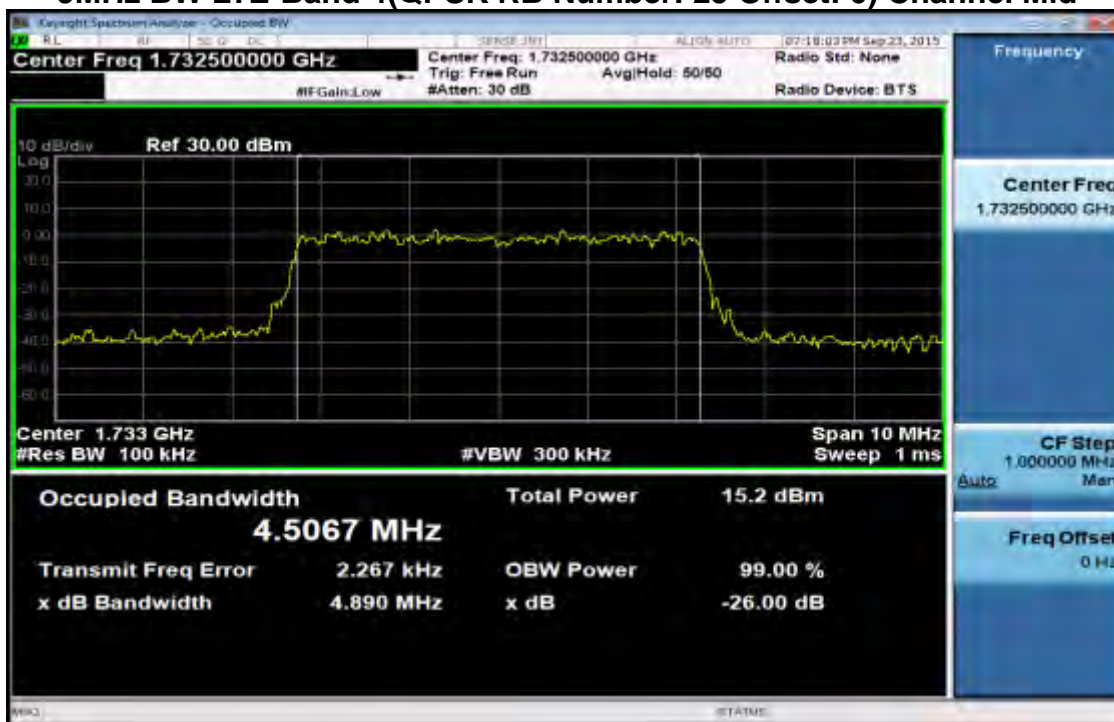
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5MHz BW LTE-Band 4(QPSK RB Number: 25 Offset: 0) Channel Low



5MHz BW LTE-Band 4(QPSK RB Number: 25 Offset: 0) Channel Mid



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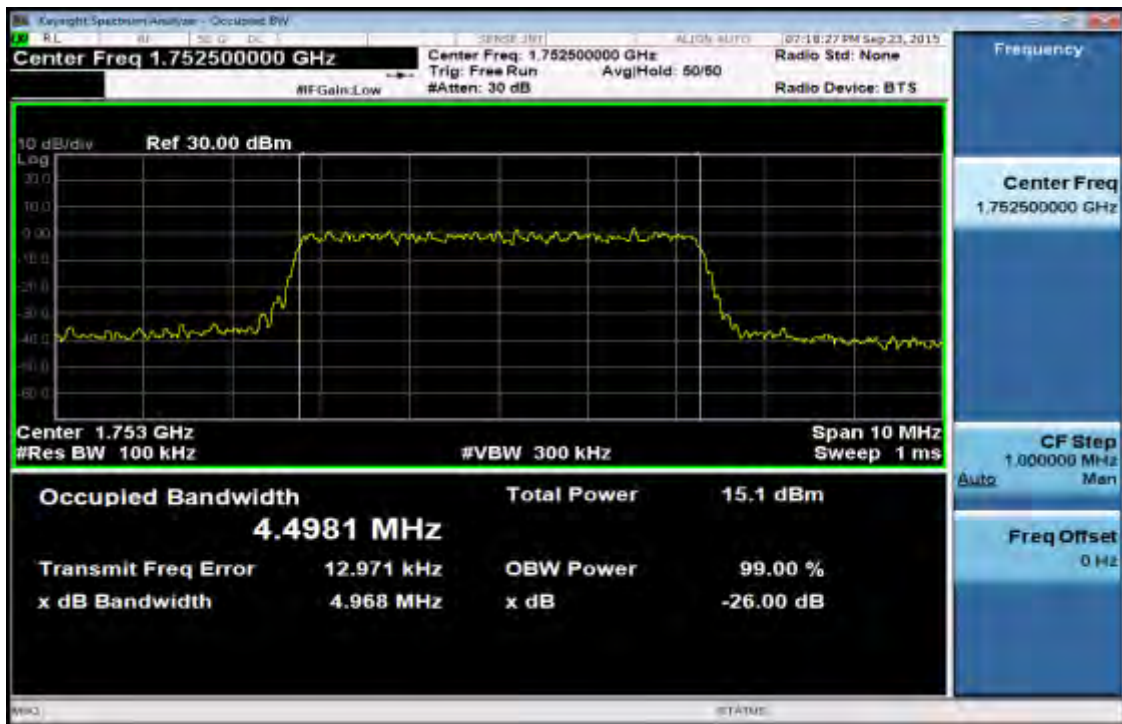
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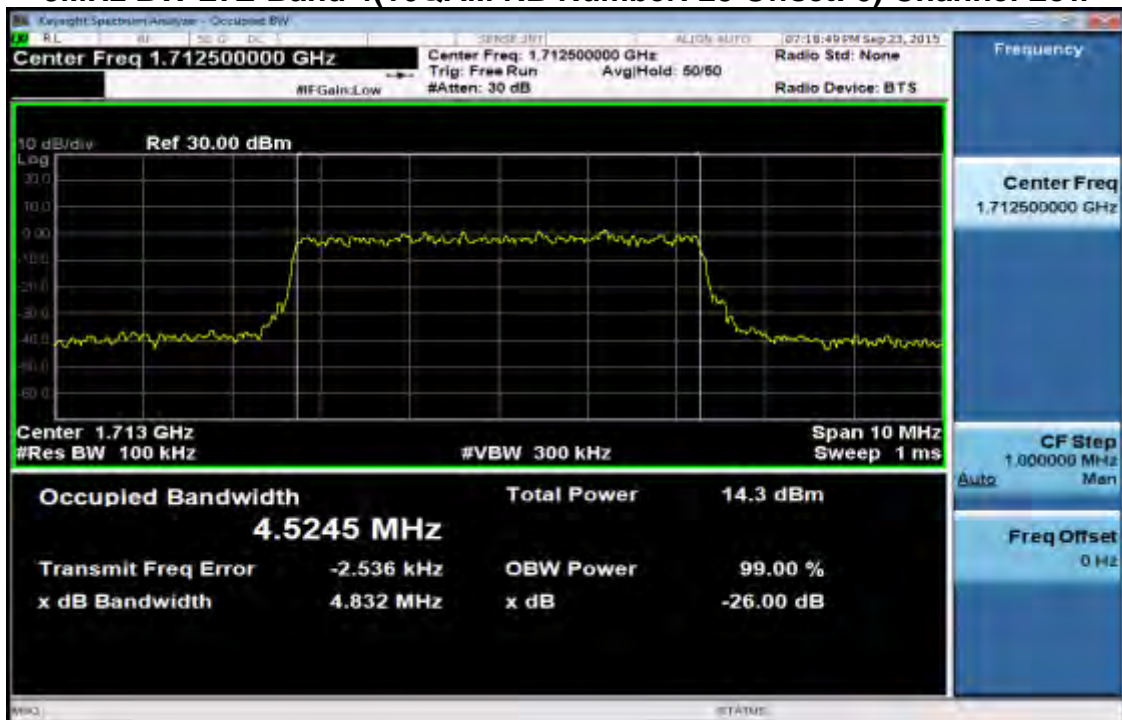
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5MHz BW LTE-Band 4(QPSK RB Number: 25 Offset: 0) Channel High



5MHz BW LTE-Band 4(16QAM RB Number: 25 Offset: 0) Channel Low



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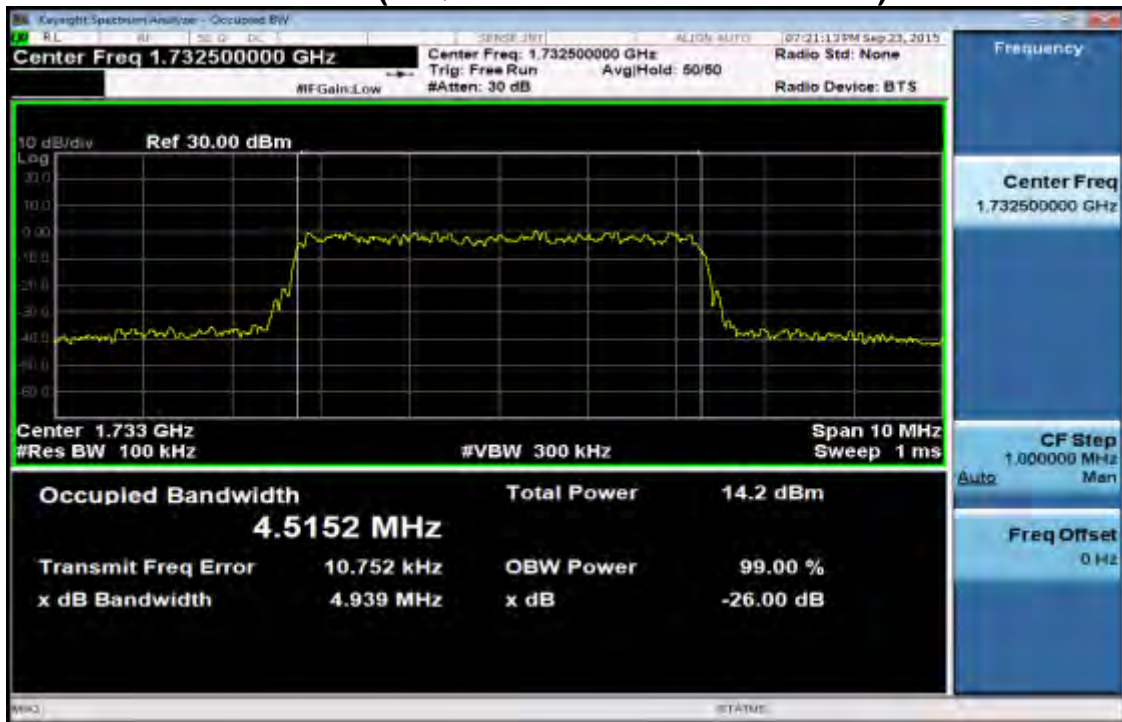
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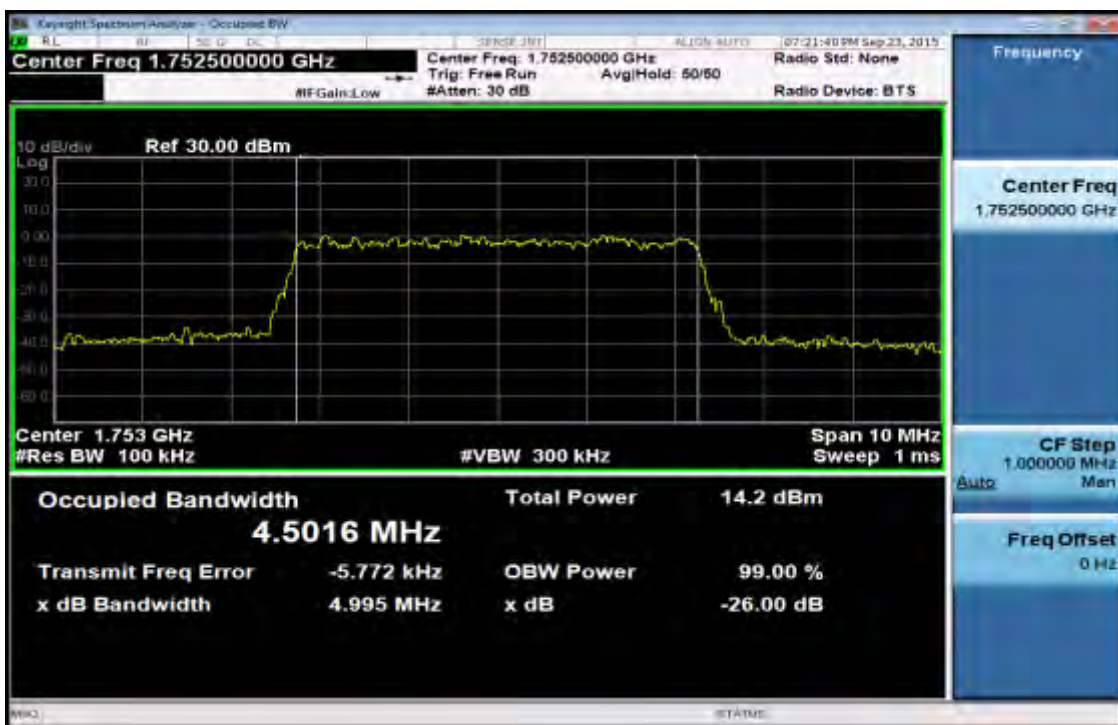
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5MHz BW LTE-Band 4(16QAM RB Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 4(16QAM RB Number: 25 Offset: 0) Channel High



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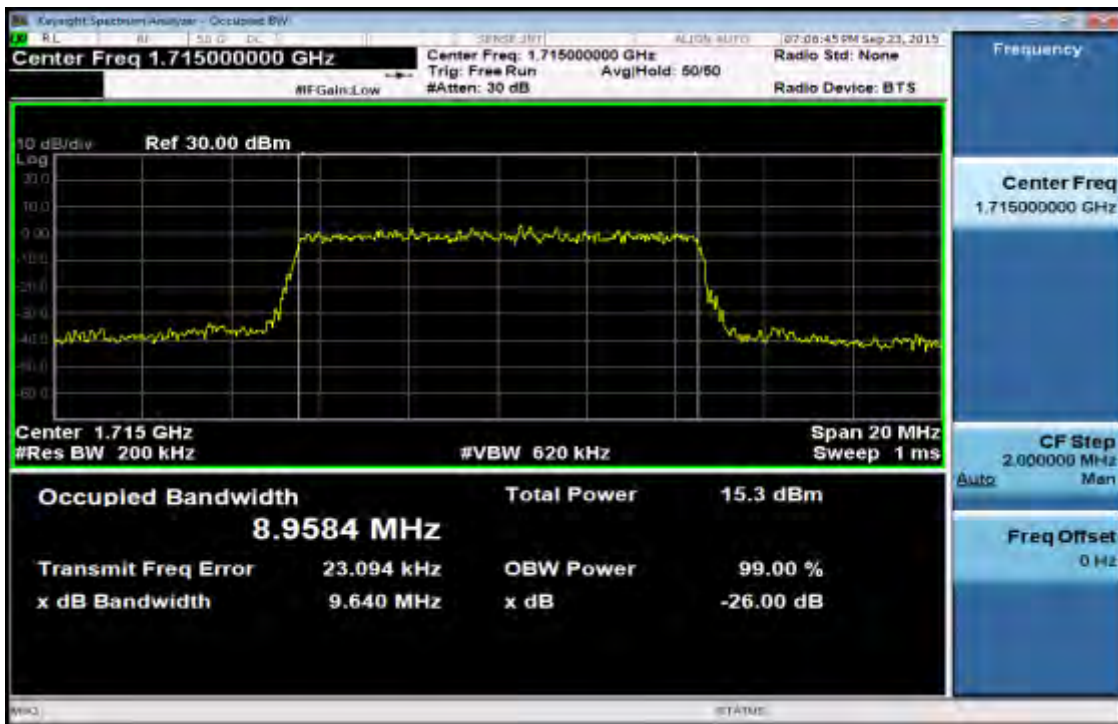
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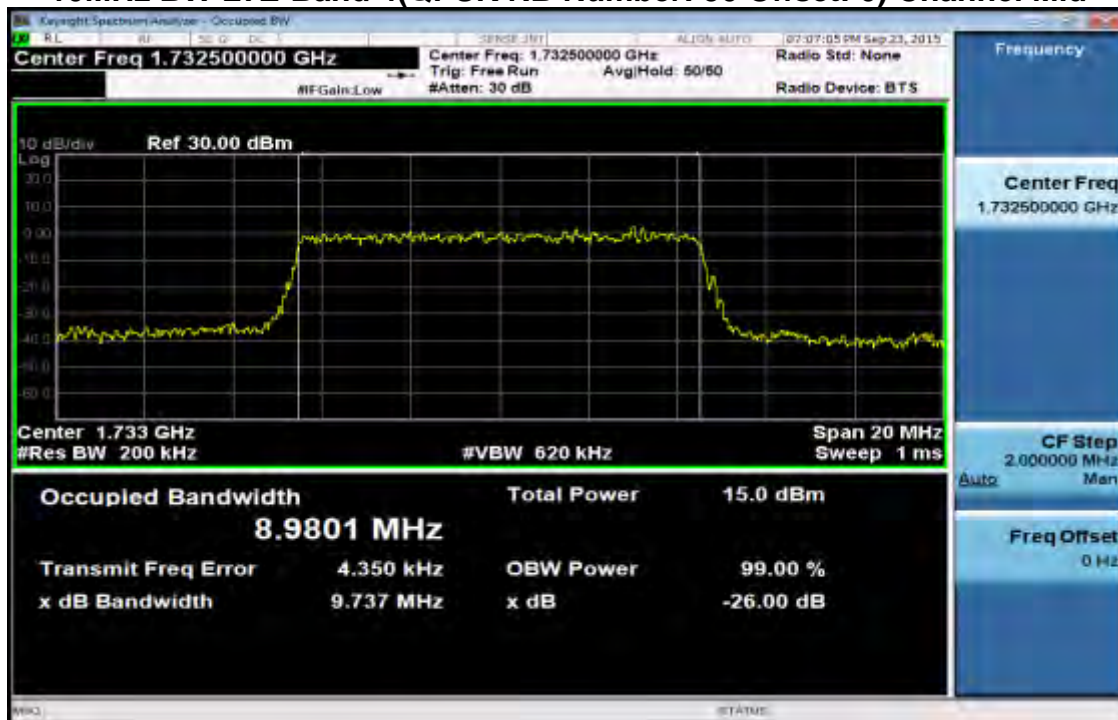
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10MHz BW LTE-Band 4(QPSK RB Number: 50 Offset: 0) Channel Low



10MHz BW LTE-Band 4(QPSK RB Number: 50 Offset: 0) Channel Mid



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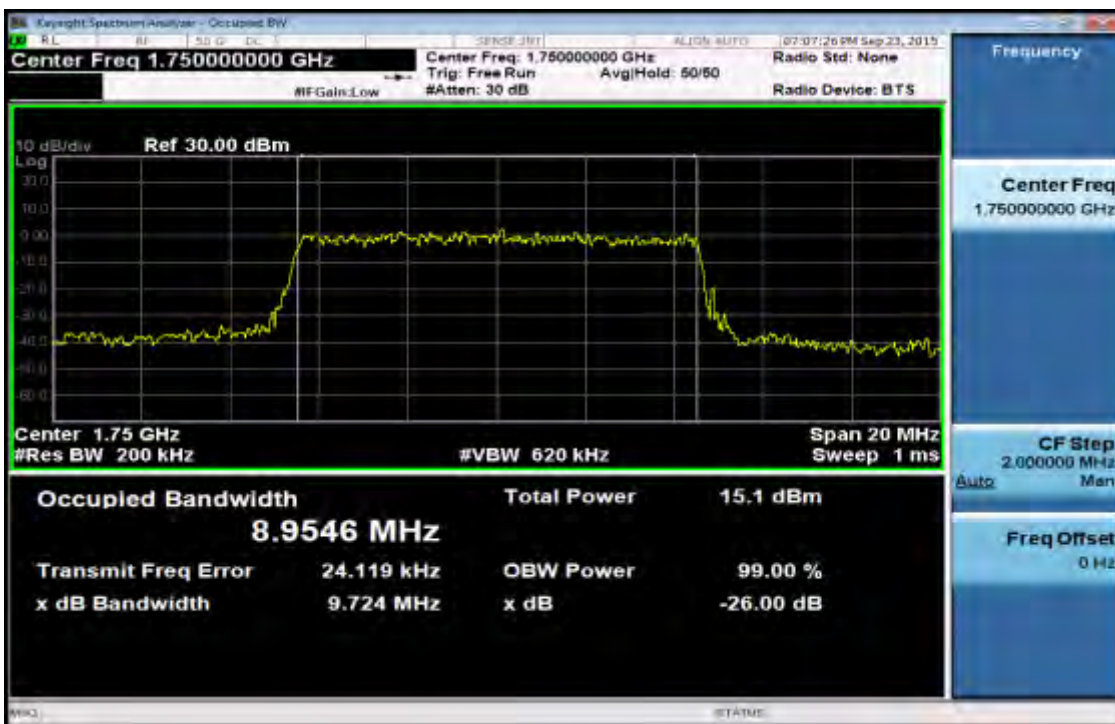
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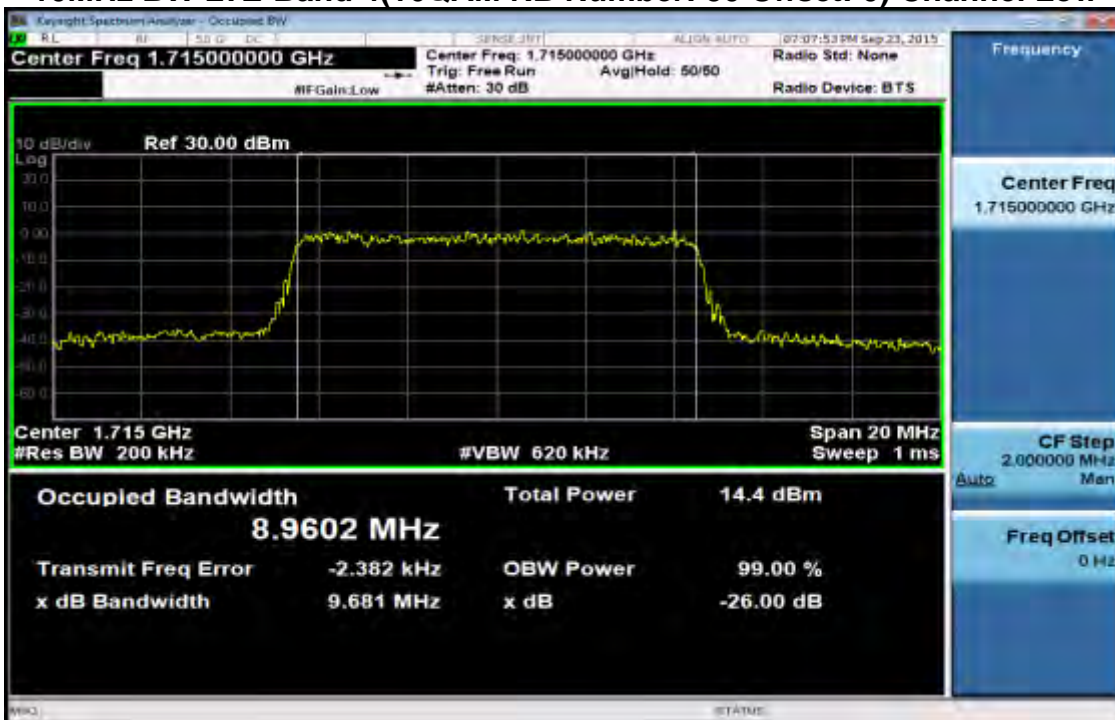
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10MHz BW LTE-Band 4(QPSK RB Number: 50 Offset: 0) Channel High



10MHz BW LTE-Band 4(16QAM RB Number: 50 Offset: 0) Channel Low



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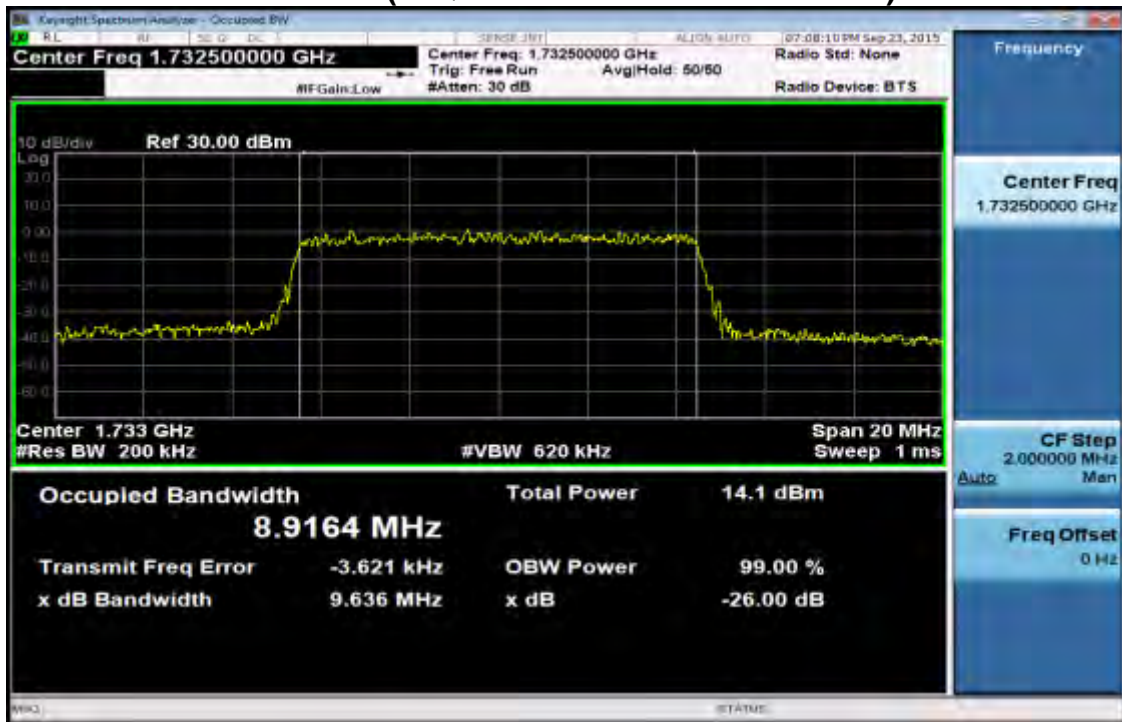
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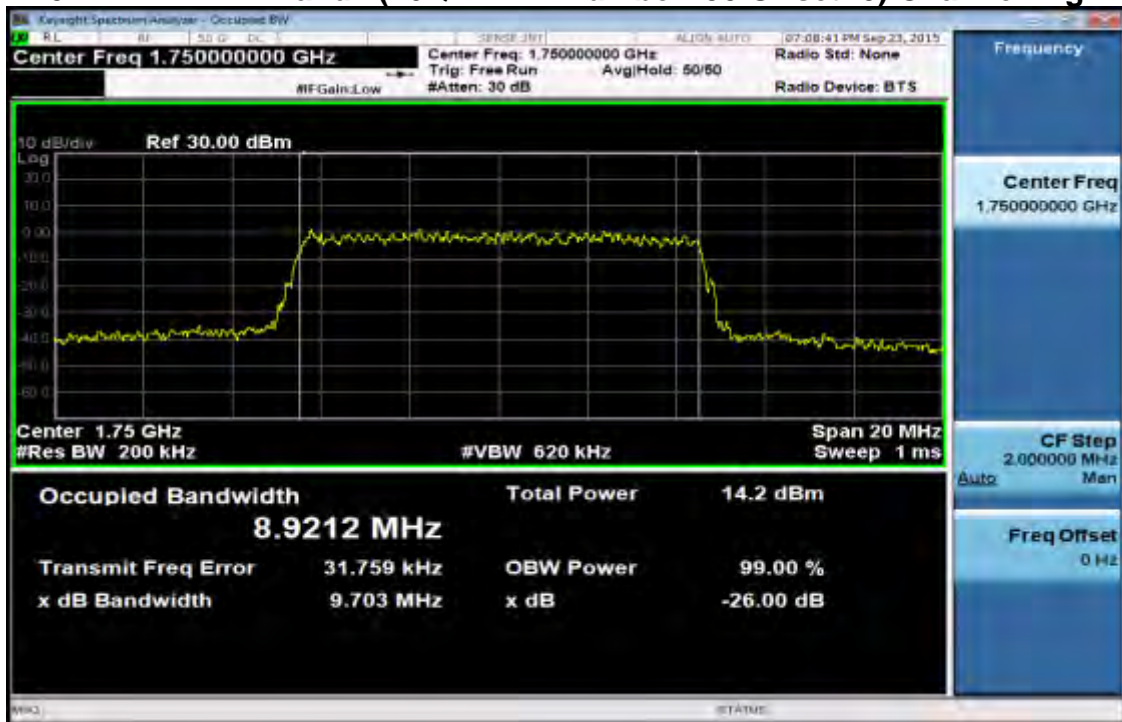
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10MHz BW LTE-Band 4(16QAM RB Number: 50 Offset: 0) Channel Mid



10MHz BW LTE-Band 4(16QAM RB Number: 50 Offset: 0) Channel High



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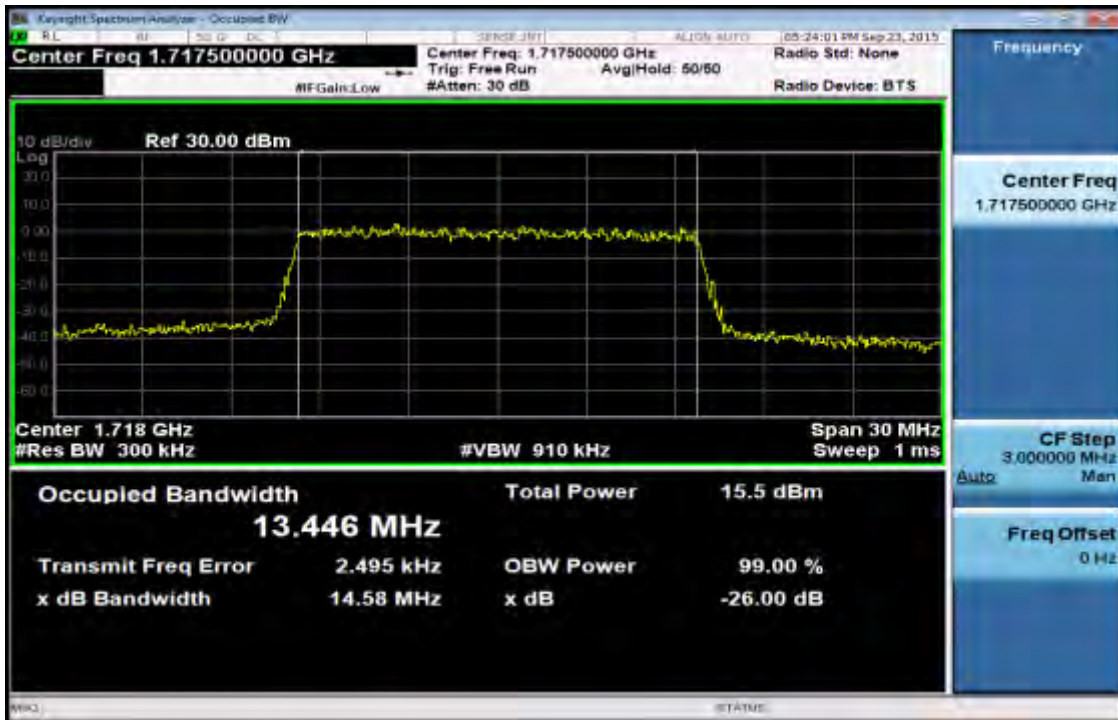
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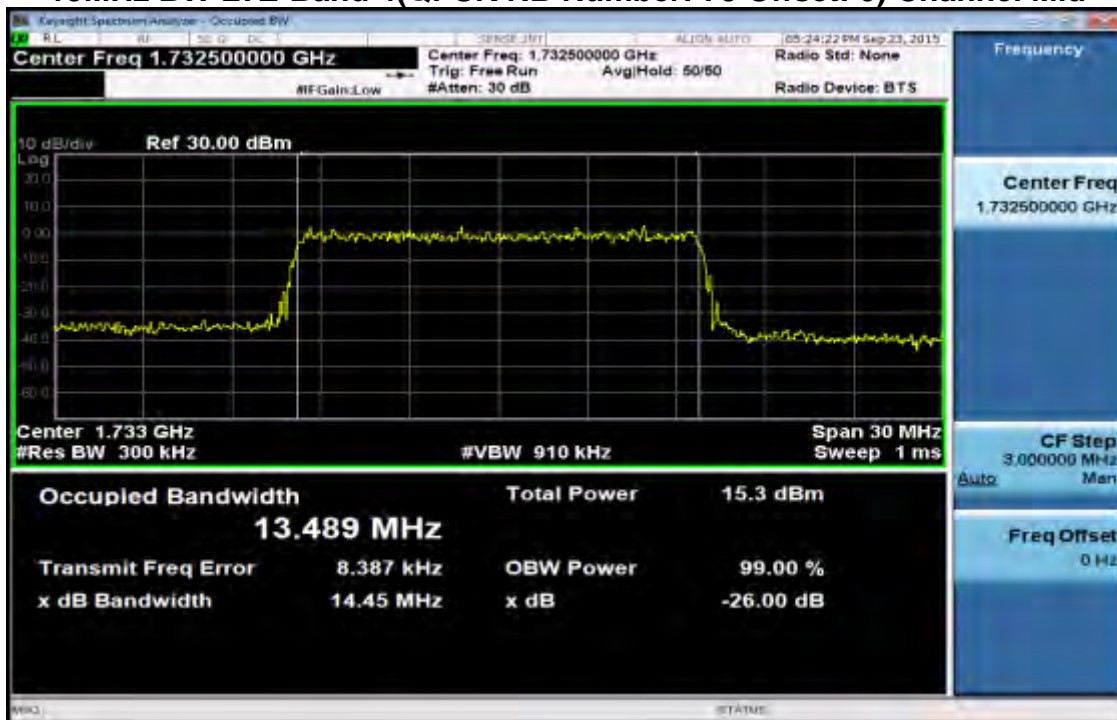
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15MHz BW LTE-Band 4(QPSK RB Number: 75 Offset: 0) Channel Low



15MHz BW LTE-Band 4(QPSK RB Number: 75 Offset: 0) Channel Mid



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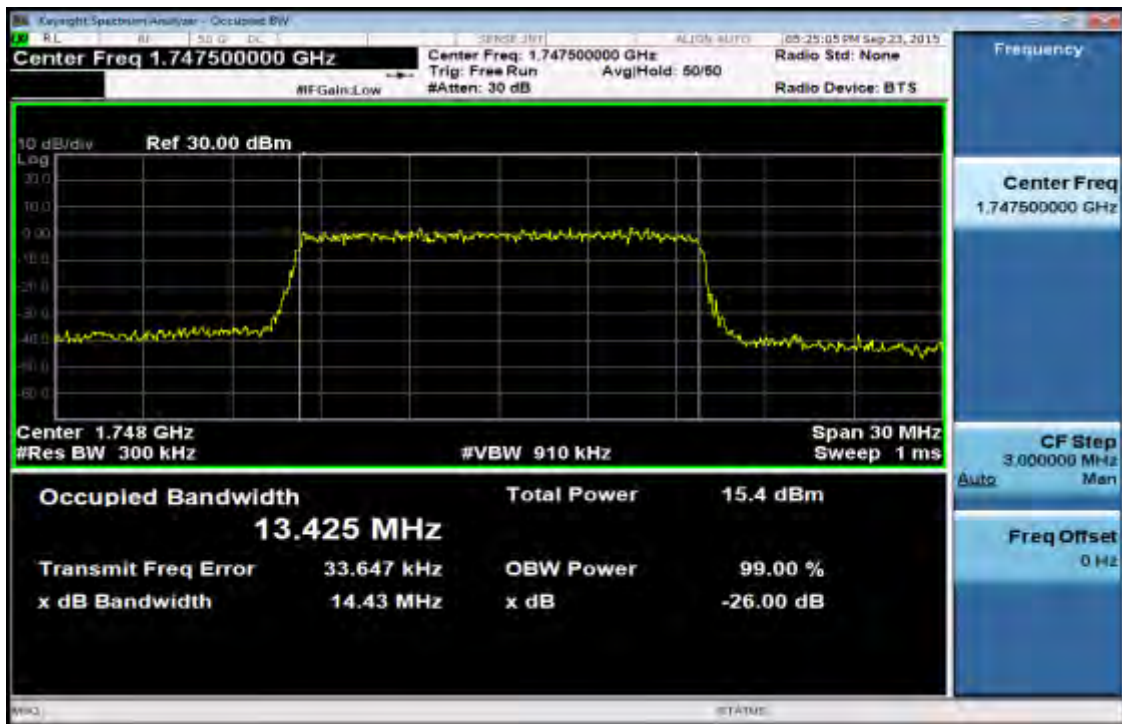
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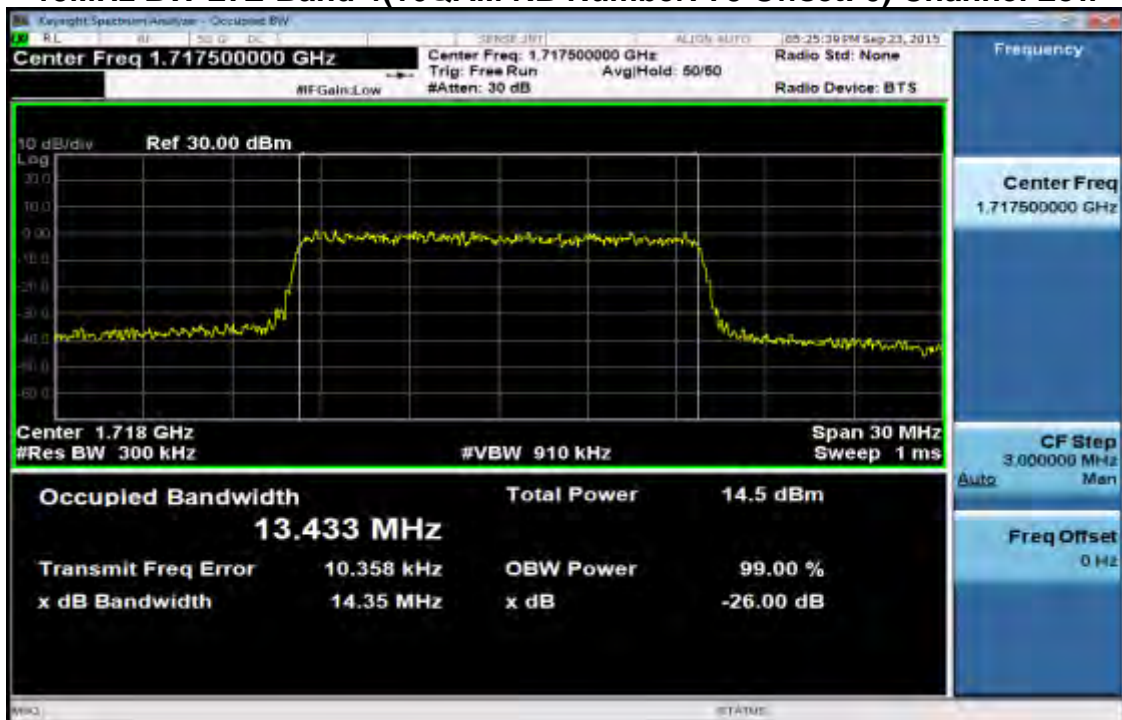
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15MHz BW LTE-Band 4(QPSK RB Number: 75 Offset: 0) Channel High



15MHz BW LTE-Band 4(16QAM RB Number: 75 Offset: 0) Channel Low



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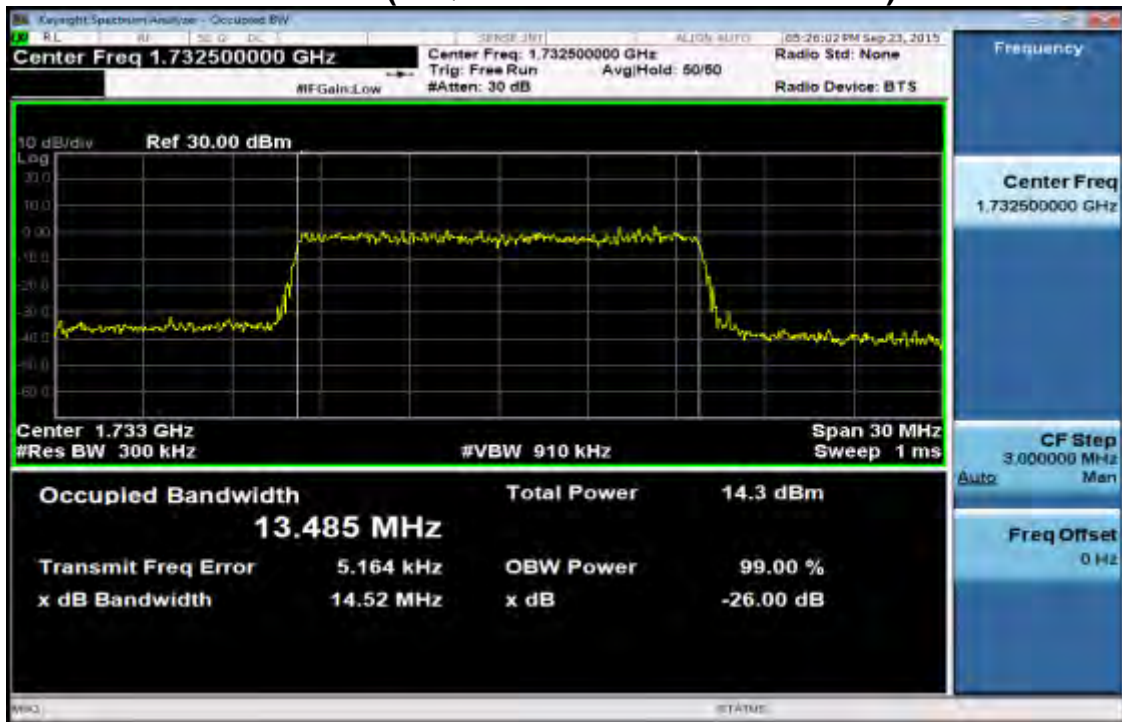
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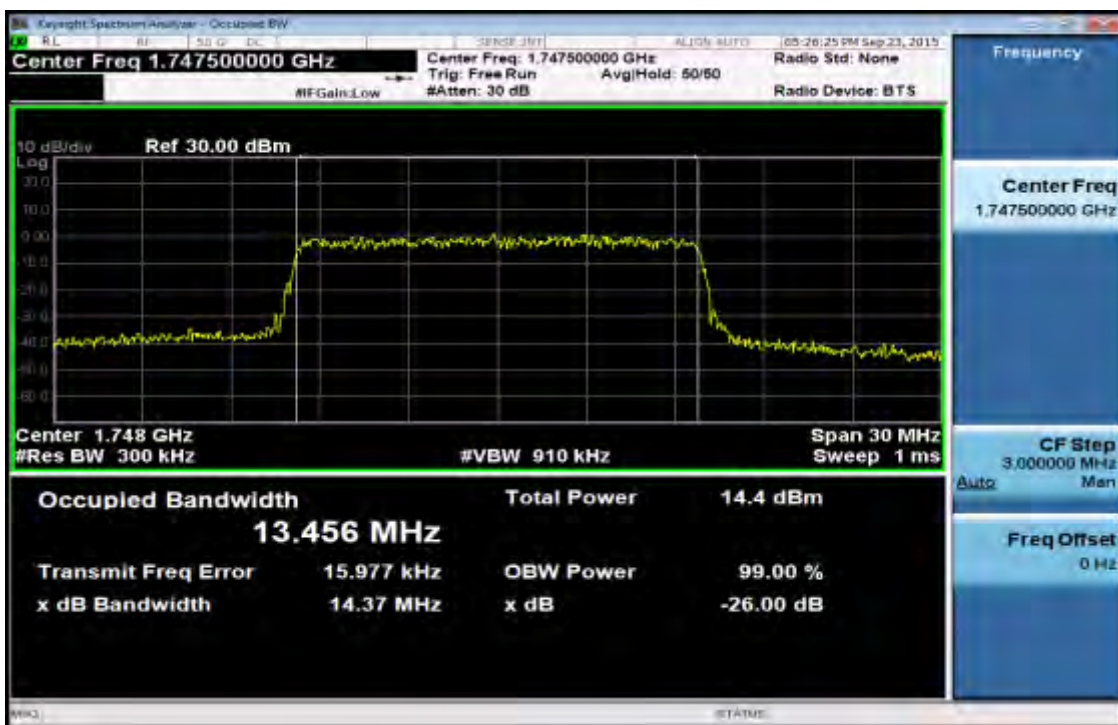
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15MHz BW LTE-Band 4(16QAM RB Number: 75 Offset: 0) Channel Mid



15MHz BW LTE-Band 4(16QAM RB Number: 75 Offset: 0) Channel High



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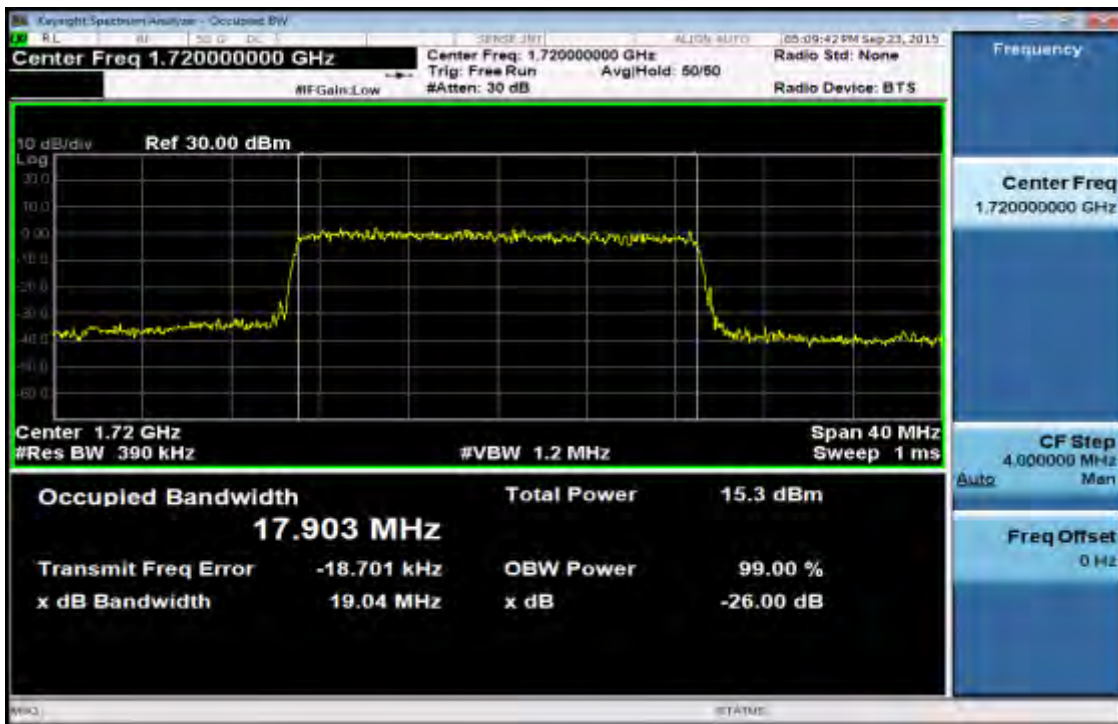
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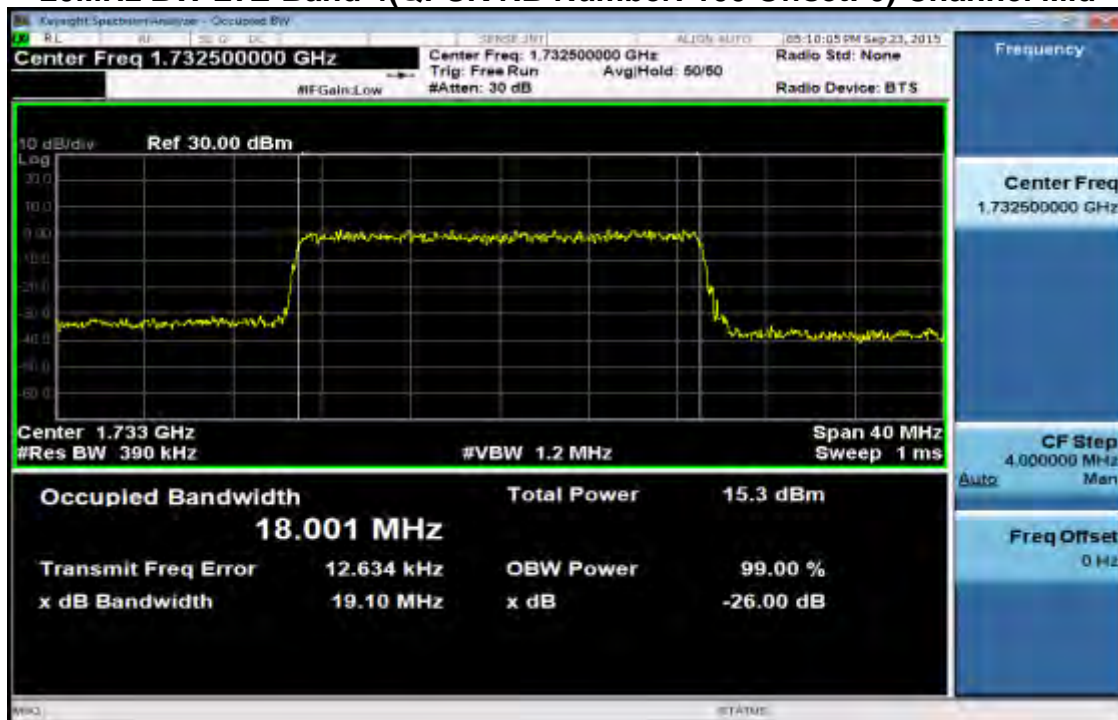
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20MHz BW LTE-Band 4(QPSK RB Number: 100 Offset: 0) Channel Low



20MHz BW LTE-Band 4(QPSK RB Number: 100 Offset: 0) Channel Mid



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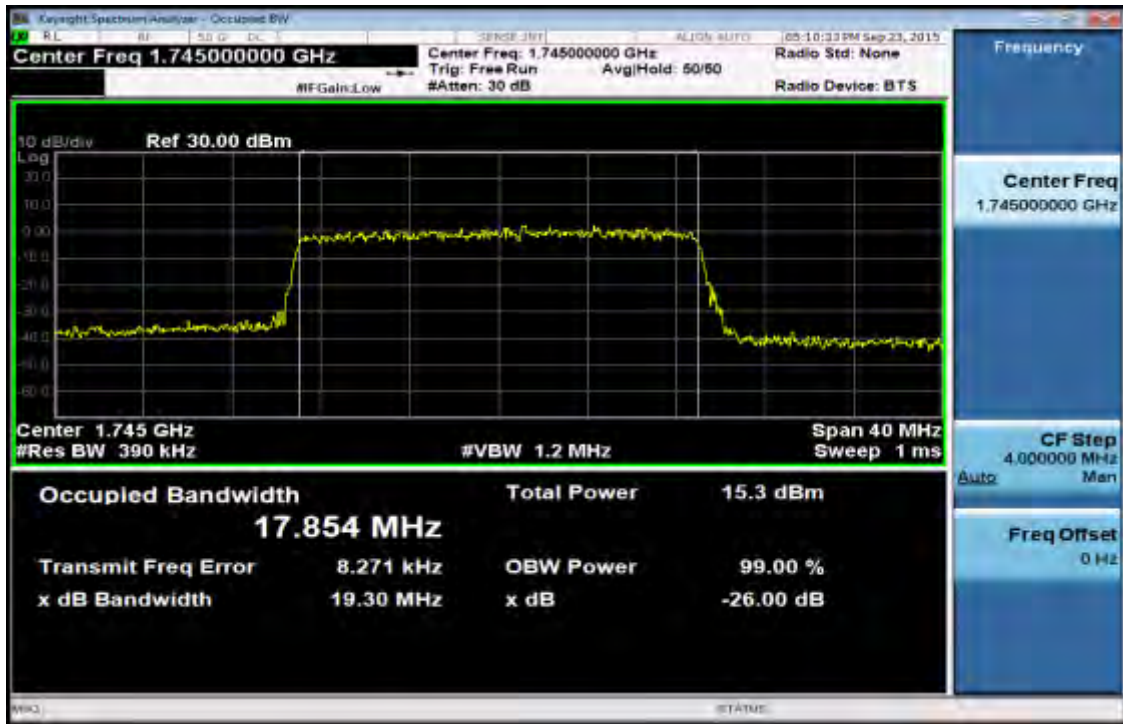
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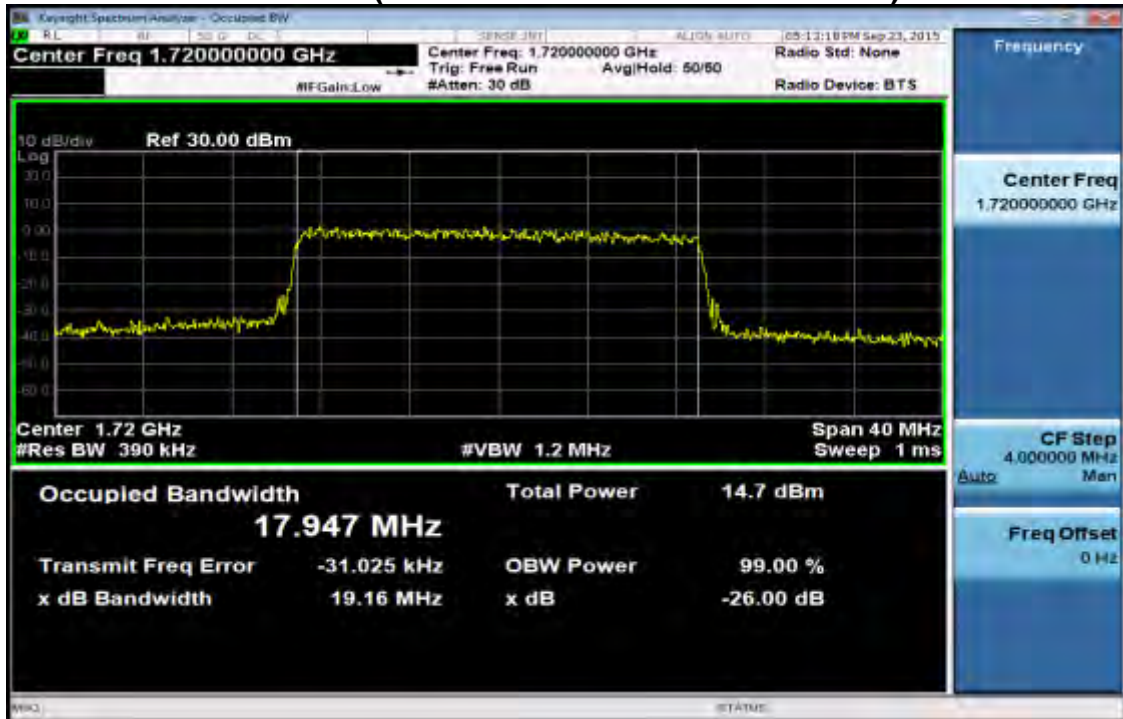
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20MHz BW LTE-Band 4(QPSK RB Number: 100 Offset: 0) Channel High



20MHz BW LTE-Band 4(16QAM RB Number: 100 Offset: 0) Channel Low



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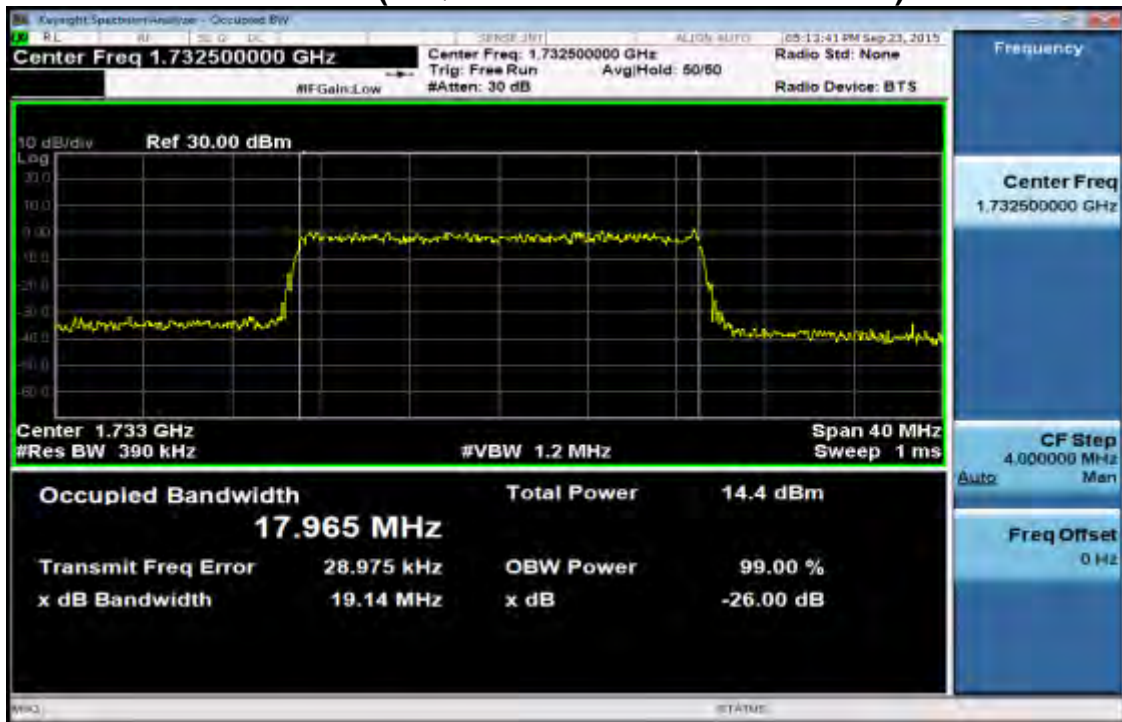
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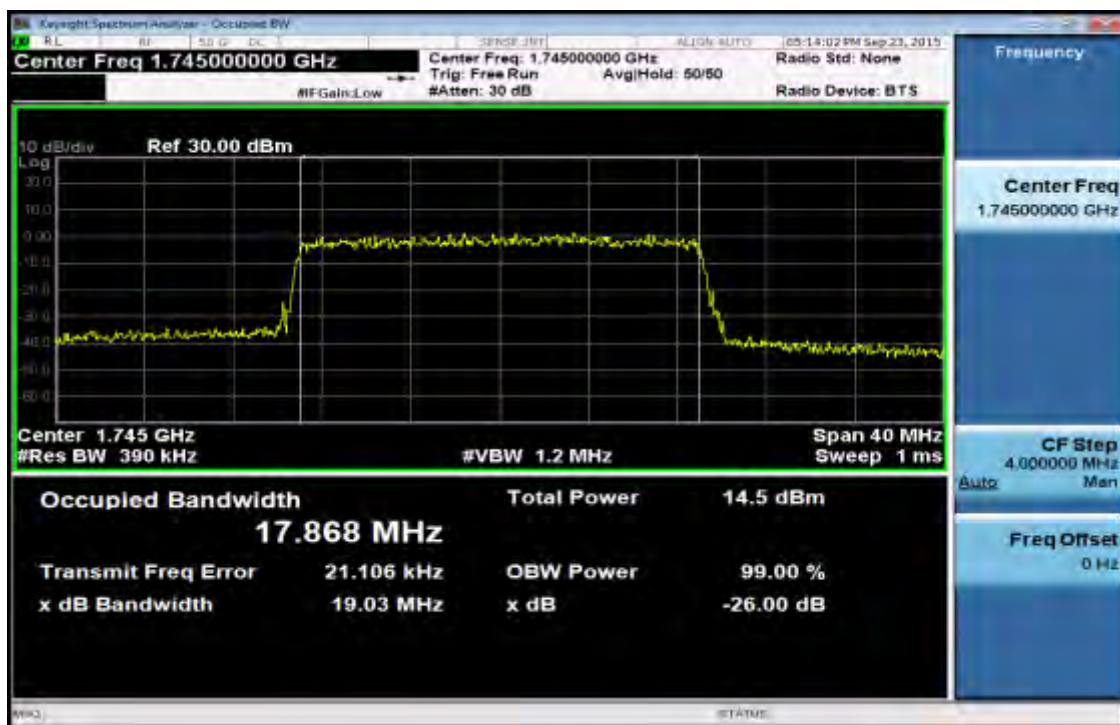
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20MHz BW LTE-Band 4(16QAM RB Number: 100 Offset: 0) Channel Mid



20MHz BW LTE-Band 4(16QAM RB Number: 100 Offset: 0) Channel High



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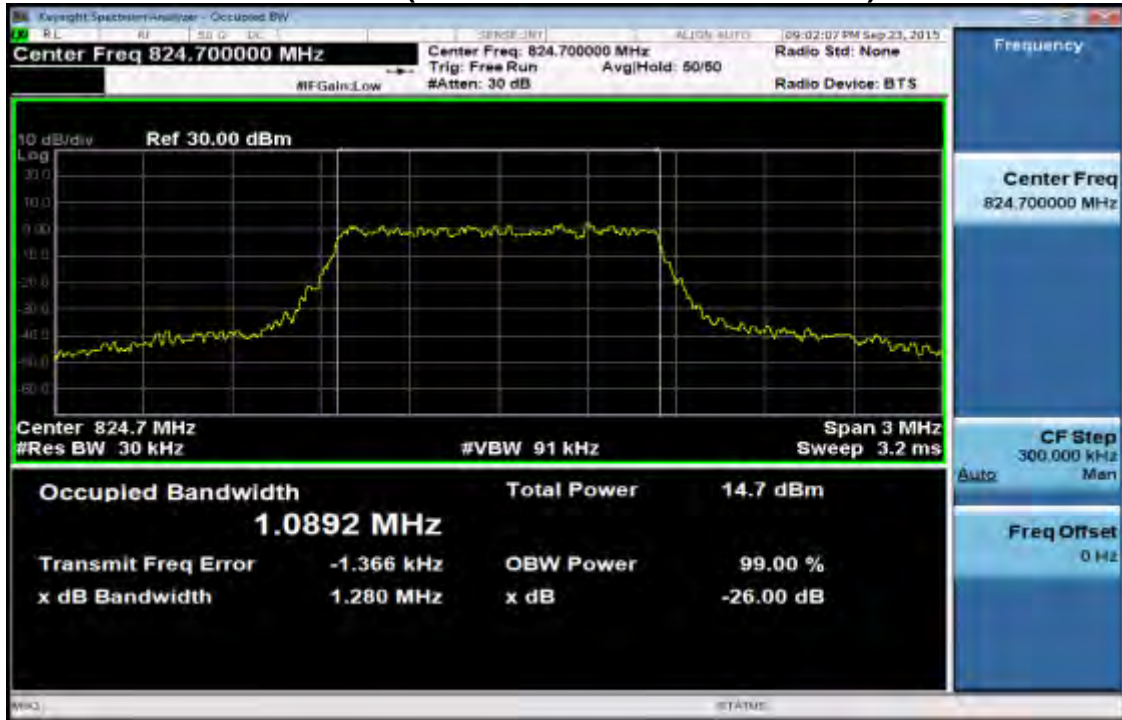
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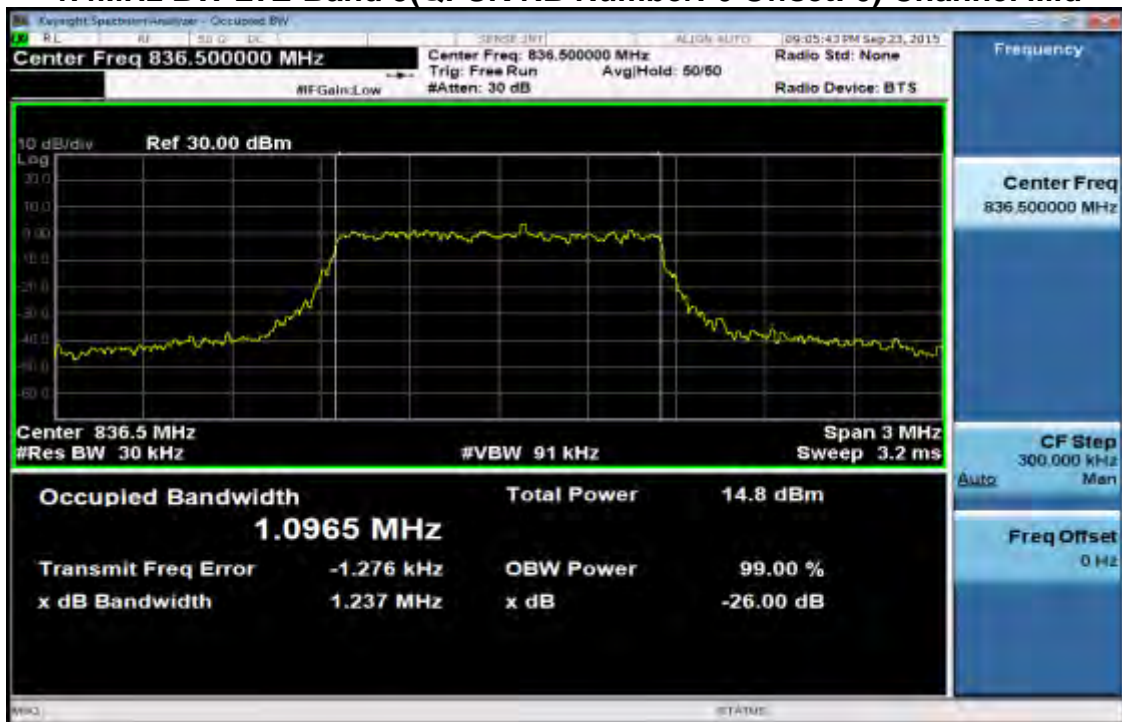
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1.4MHz BW LTE-Band 5(QPSK RB Number: 6 Offset: 0) Channel Low



1.4MHz BW LTE-Band 5(QPSK RB Number: 6 Offset: 0) Channel Mid



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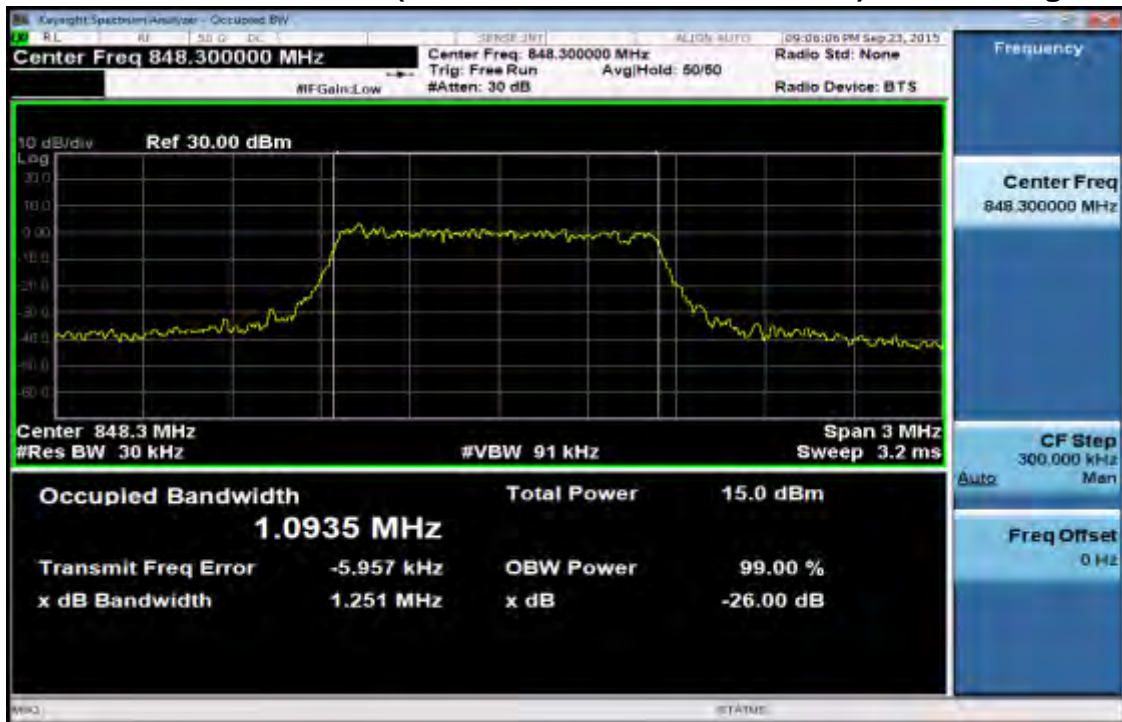
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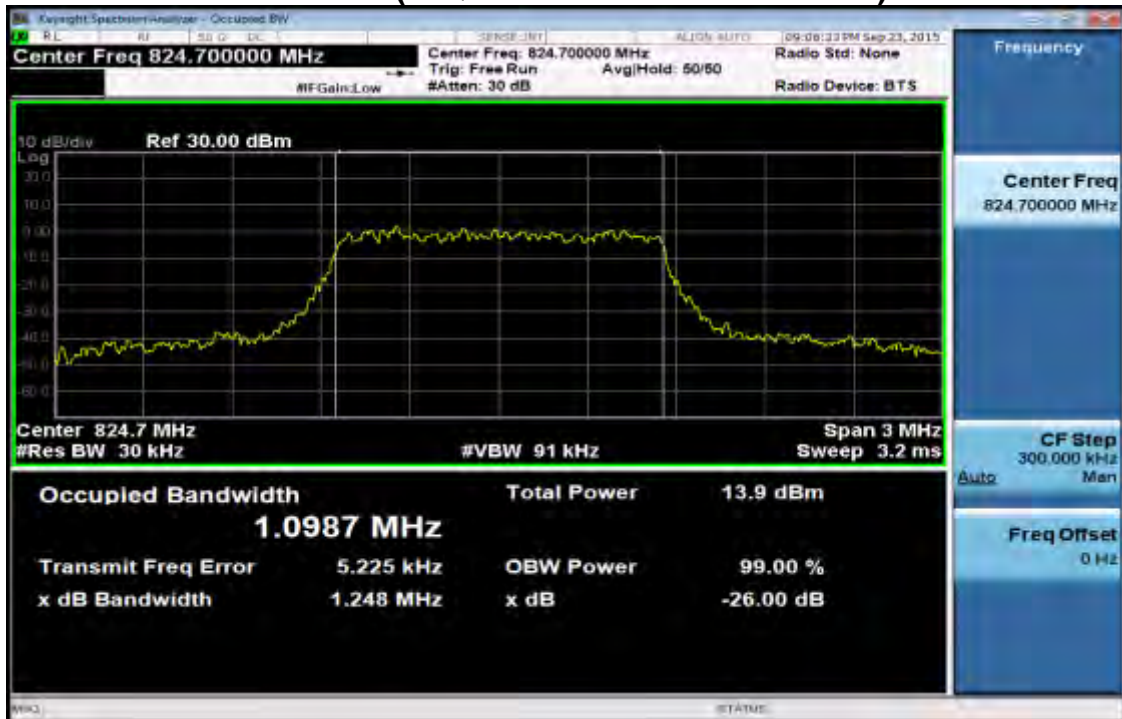
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1.4MHz BW LTE-Band 5(QPSK RB Number: 6 Offset: 0) Channel High



1.4MHz BW LTE-Band 5(16QAM RB Number: 6 Offset: 0) Channel Low



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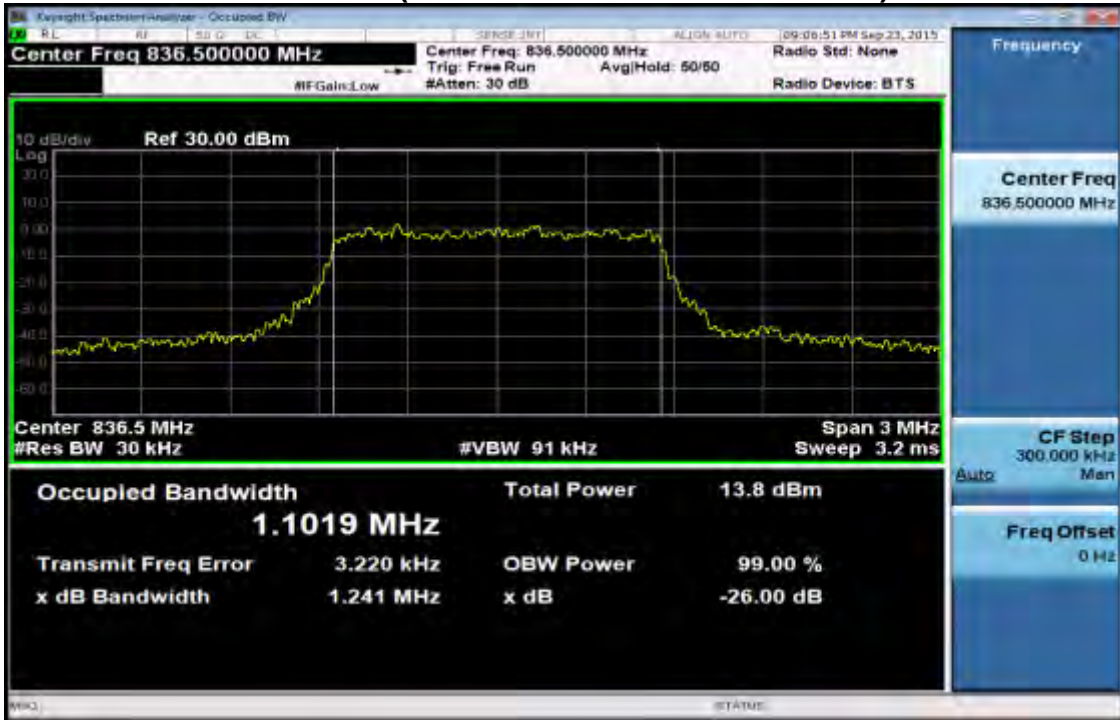
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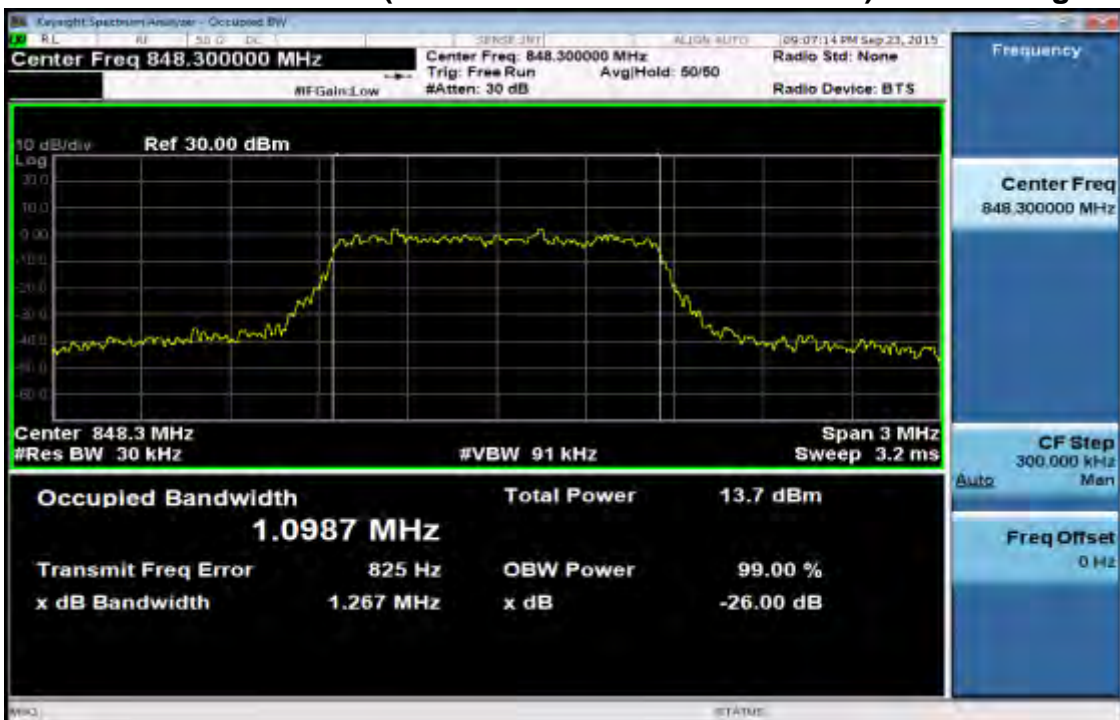
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1.4MHz BW LTE-Band 5(16QAM RB Number: 6 Offset: 0) Channel Mid



1.4MHz BW LTE-Band 5(16QAM RB Number: 6 Offset: 0) Channel High



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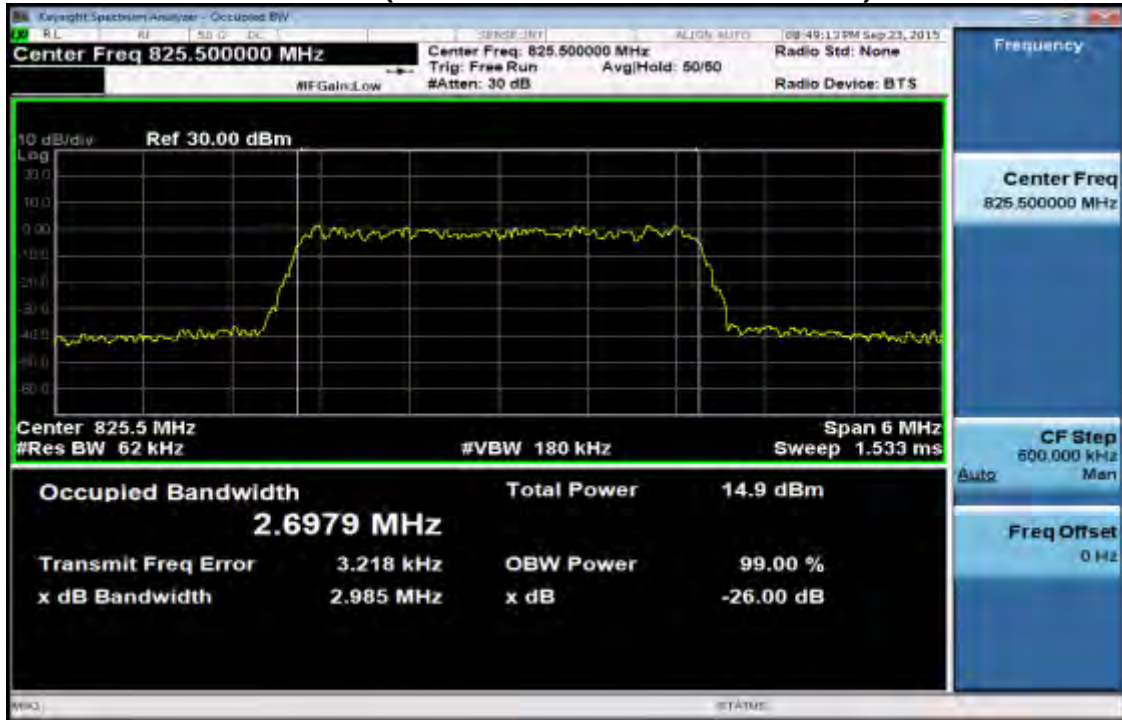
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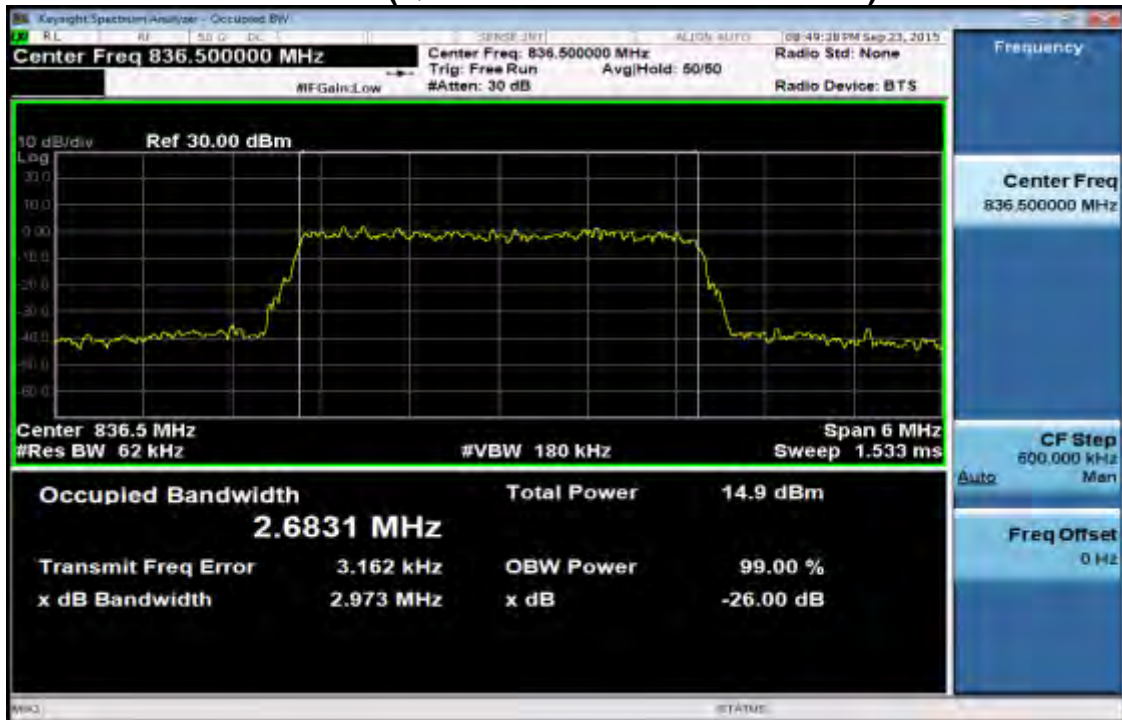
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3MHz BW LTE-Band 5(QPSK RB Number: 15 Offset: 0) Channel Low



3MHz BW LTE-Band 5(QPSK RB Number: 15 Offset: 0) Channel Mid



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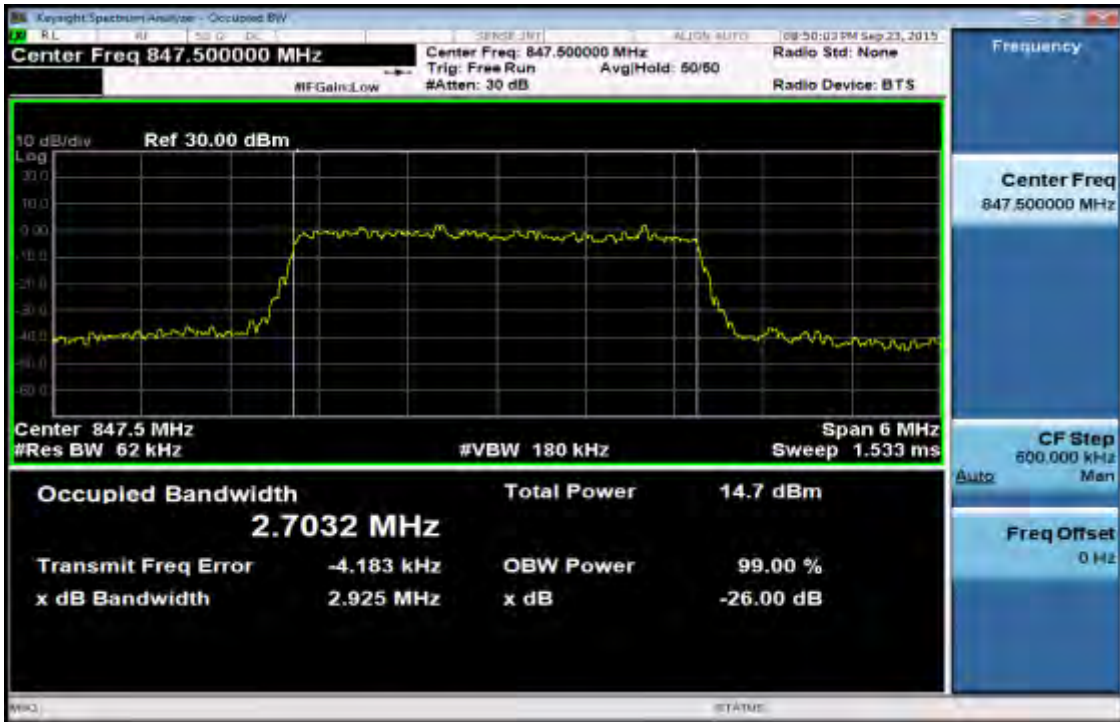
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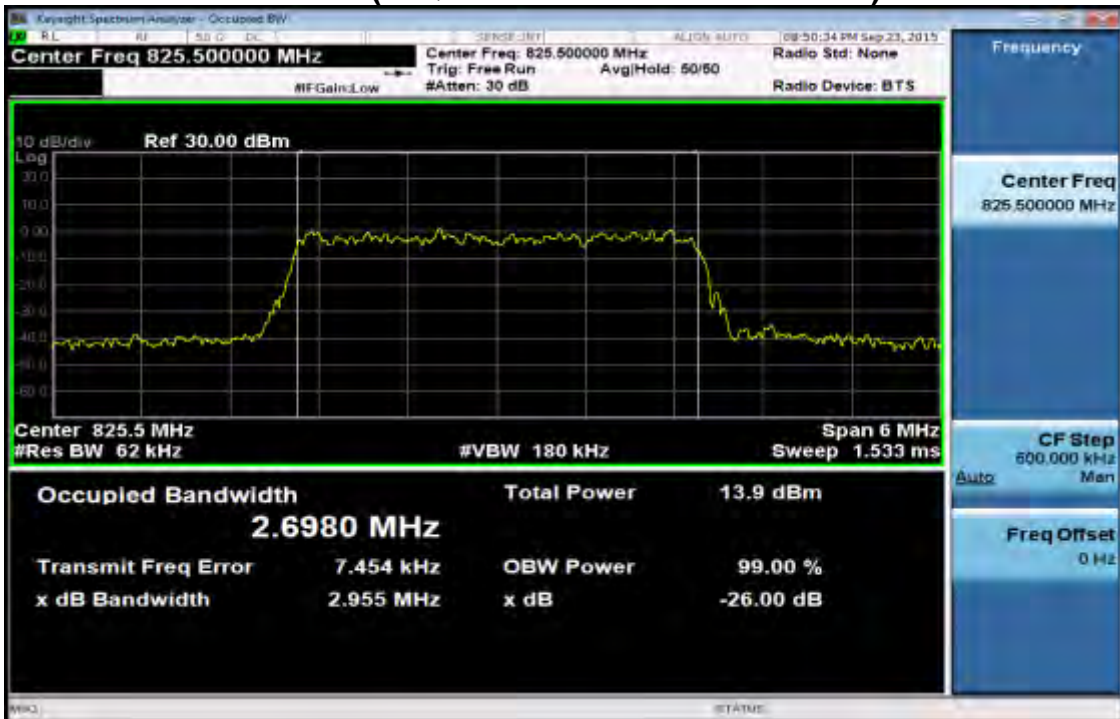
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3MHz BW LTE-Band 5(QPSK RB Number: 15 Offset: 0) Channel High



3MHz BW LTE-Band 5(16QAM RB Number: 15 Offset: 0) Channel Low



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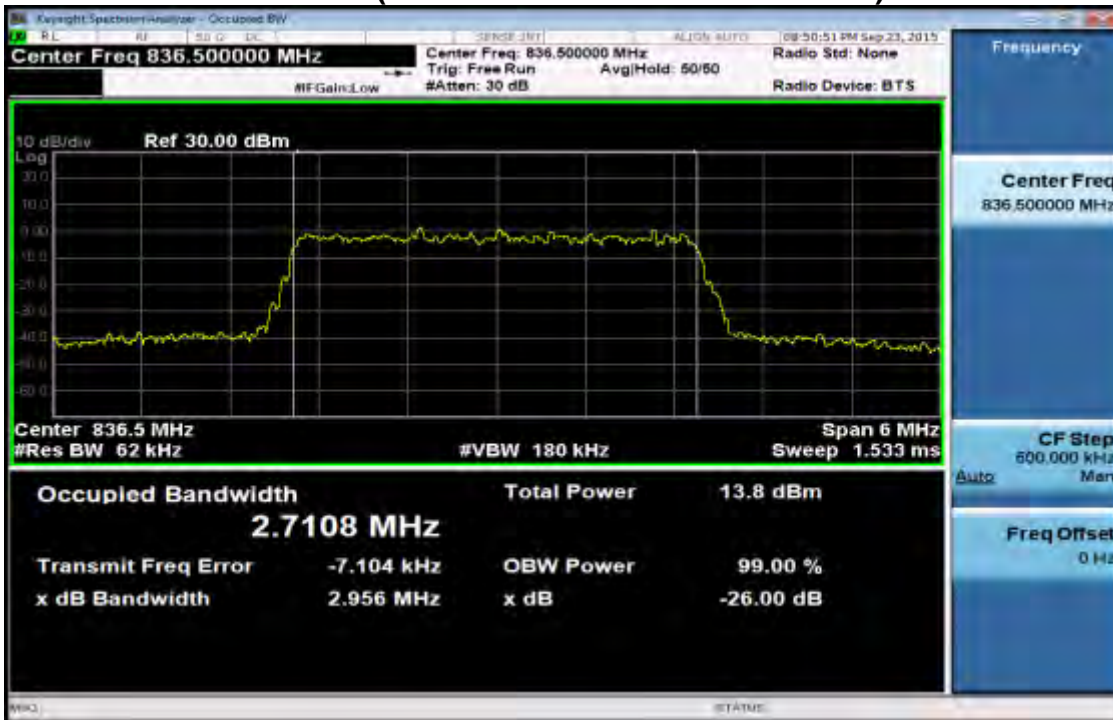
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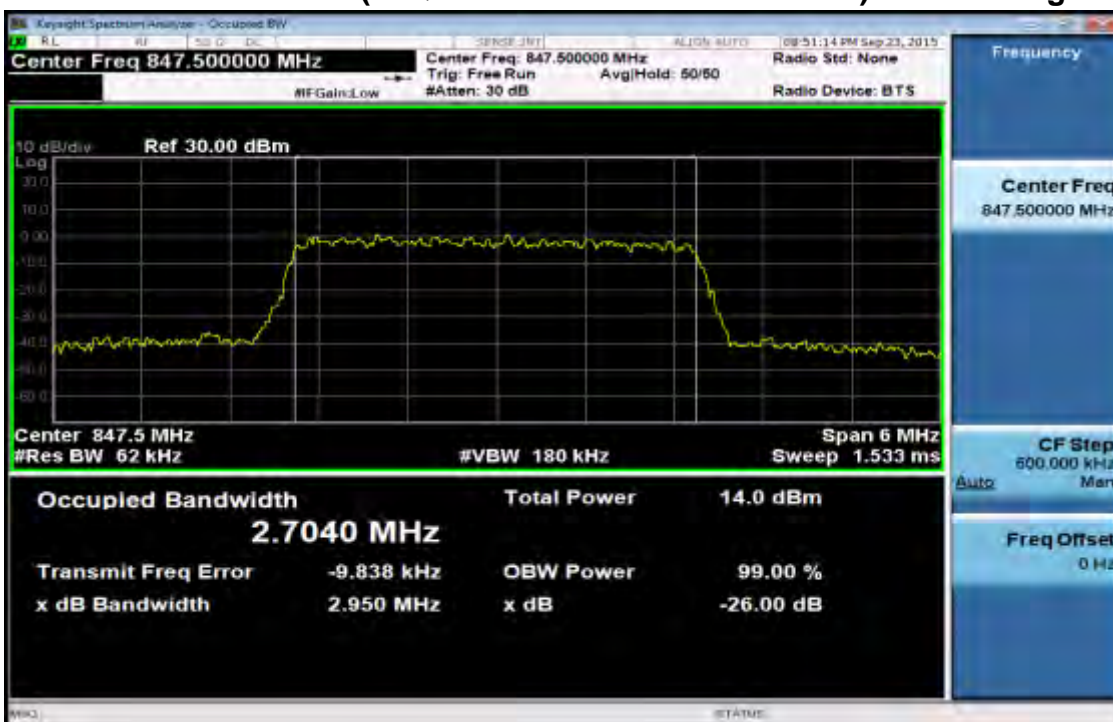
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3MHz BW LTE-Band 5(16QAM RB Number: 15 Offset: 0) Channel Mid



3MHz BW LTE-Band 5(16QAM RB Number: 15 Offset: 0) Channel High



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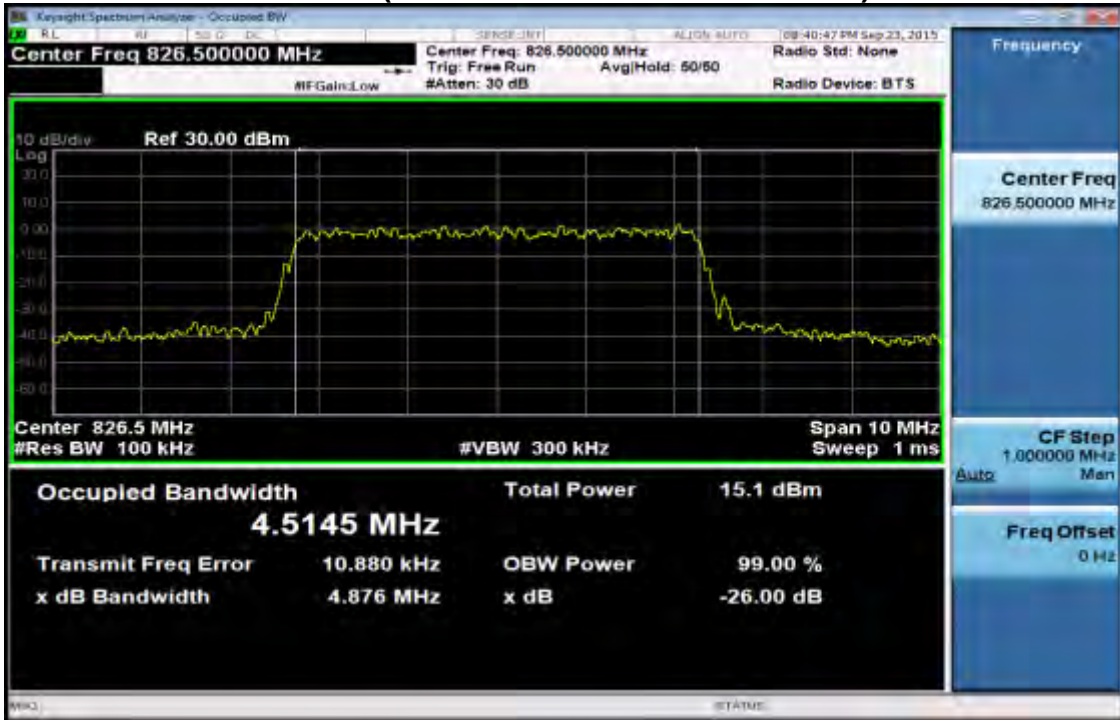
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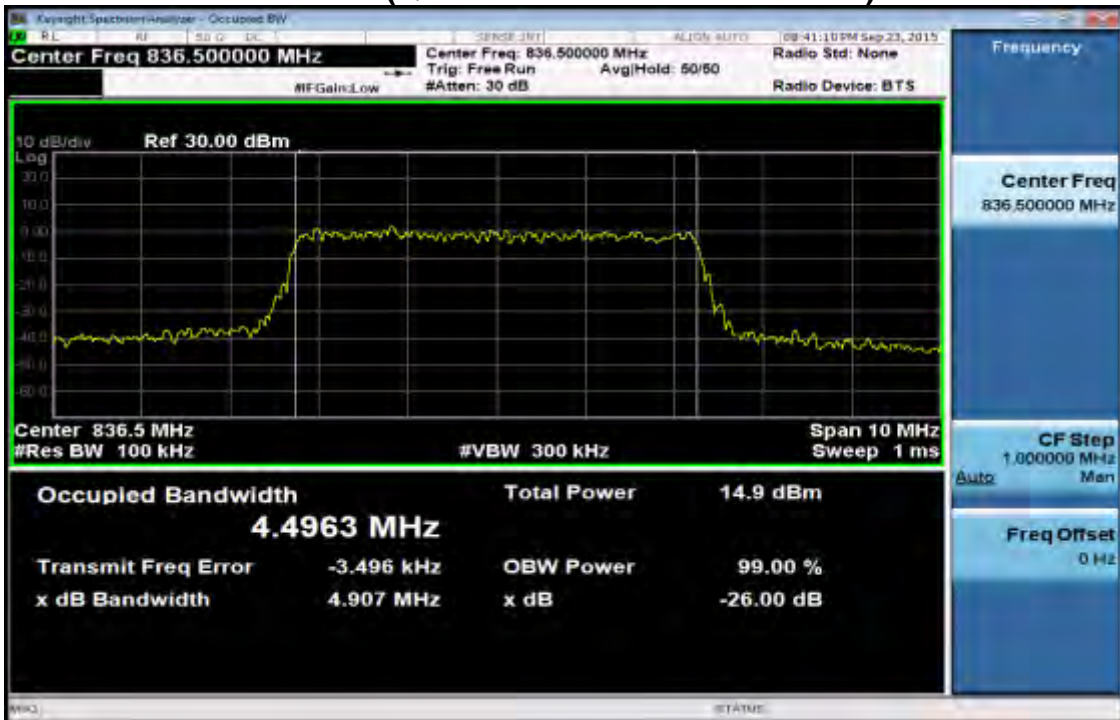
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5MHz BW LTE-Band 5(QPSK RB Number: 25 Offset: 0) Channel Low



5MHz BW LTE-Band 5(QPSK RB Number: 25 Offset: 0) Channel Mid



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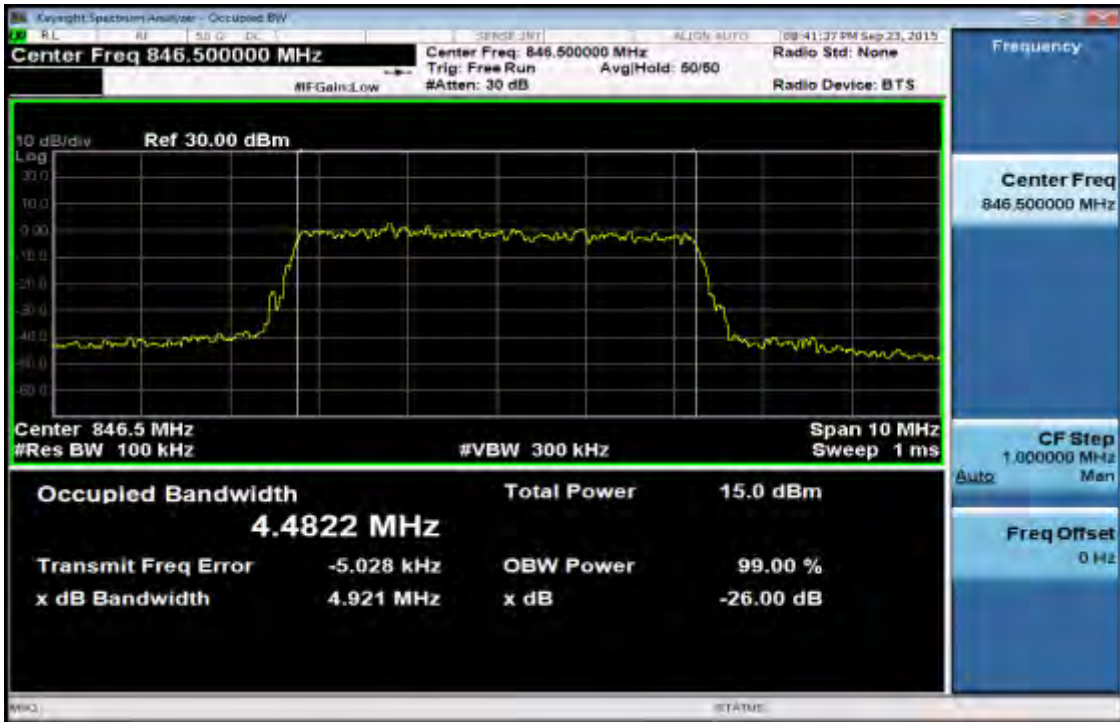
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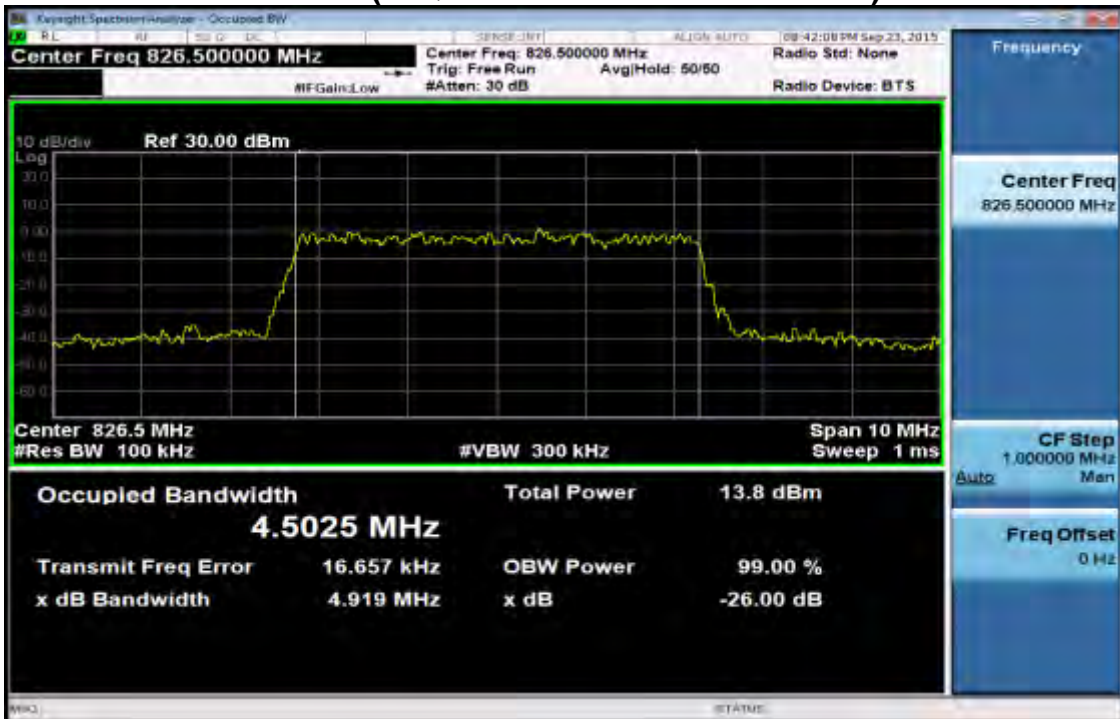
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5MHz BW LTE-Band 5(QPSK RB Number: 25 Offset: 0) Channel High



5MHz BW LTE-Band 5(16QAM RB Number: 25 Offset: 0) Channel Low



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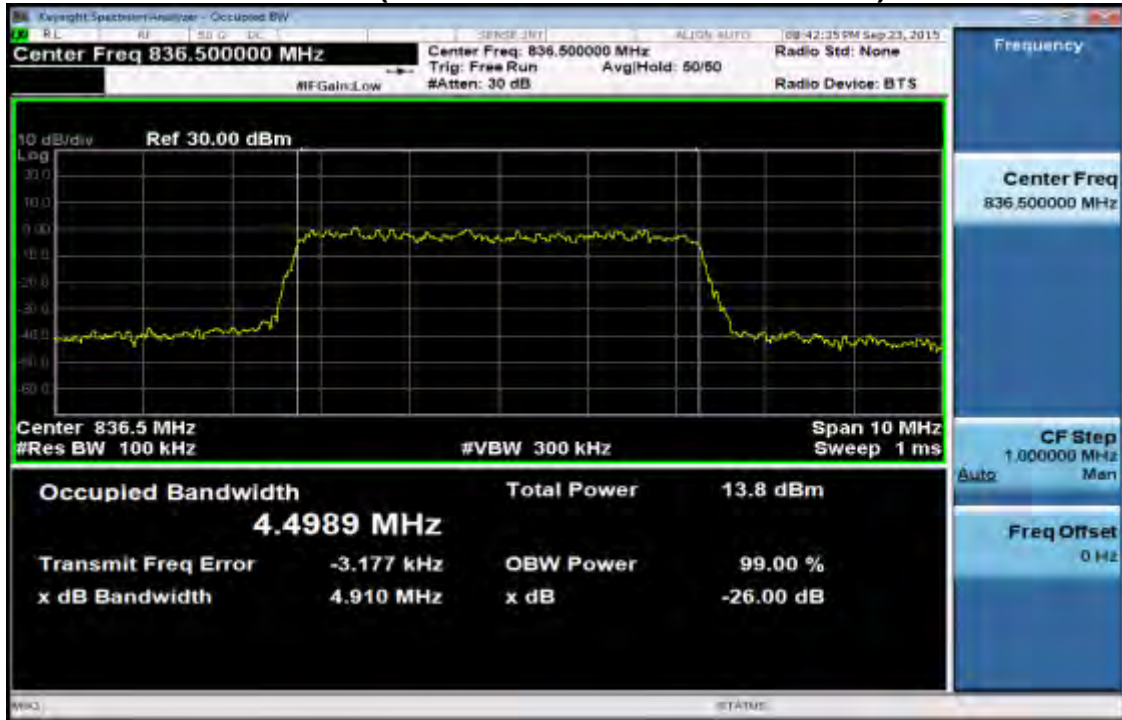
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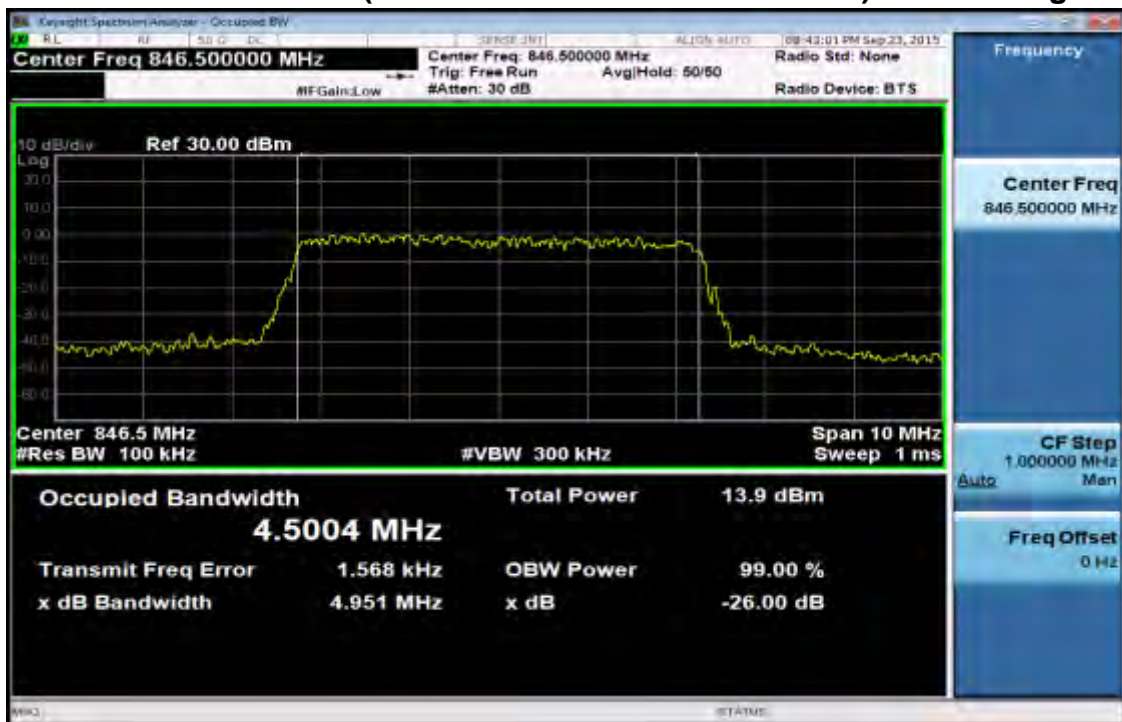
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5MHz BW LTE-Band 5(16QAM RB Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 5(16QAM RB Number: 25 Offset: 0) Channel High



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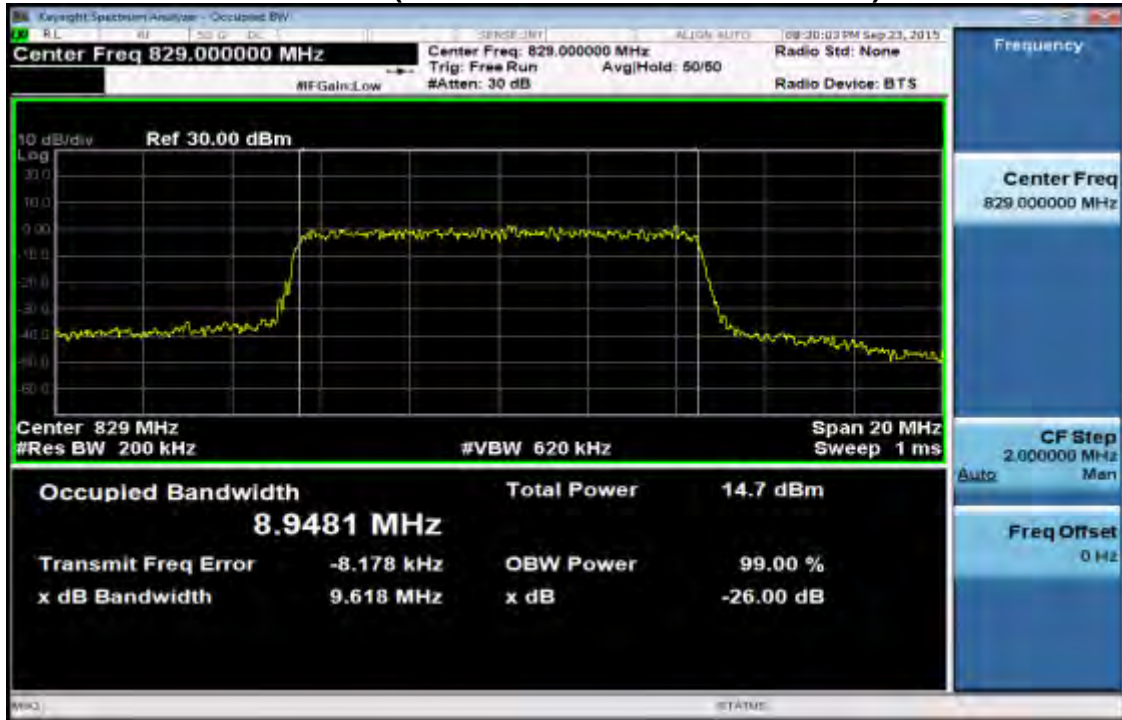
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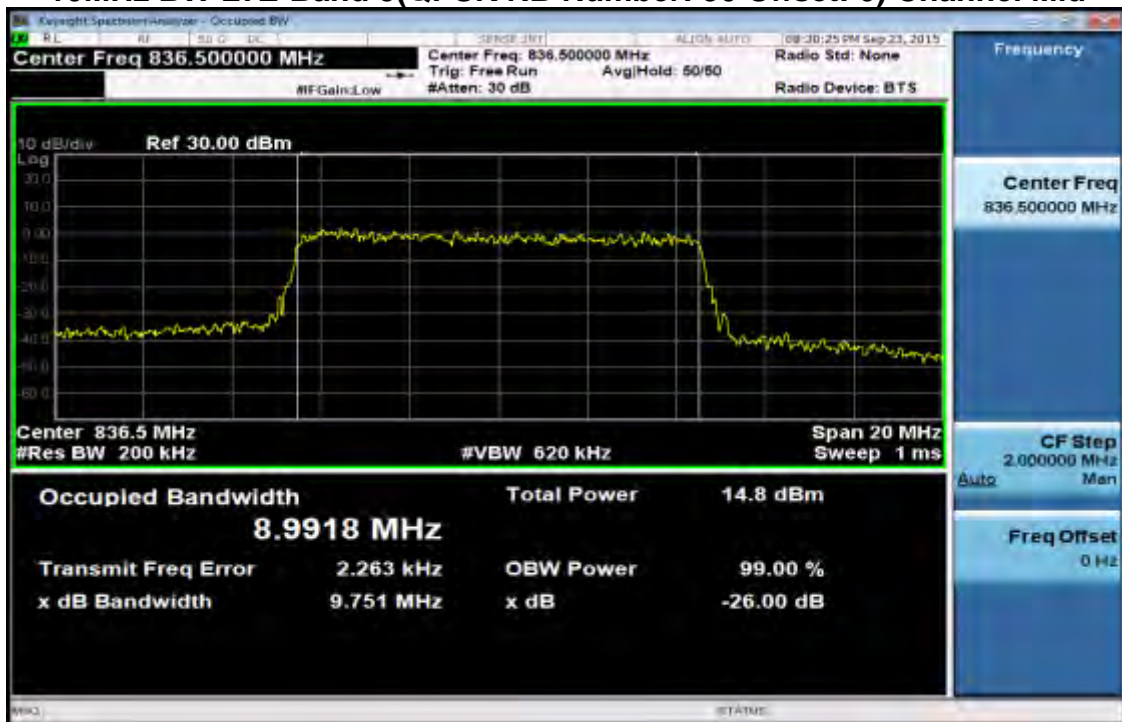
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10MHz BW LTE-Band 5(QPSK RB Number: 50 Offset: 0) Channel Low



10MHz BW LTE-Band 5(QPSK RB Number: 50 Offset: 0) Channel Mid



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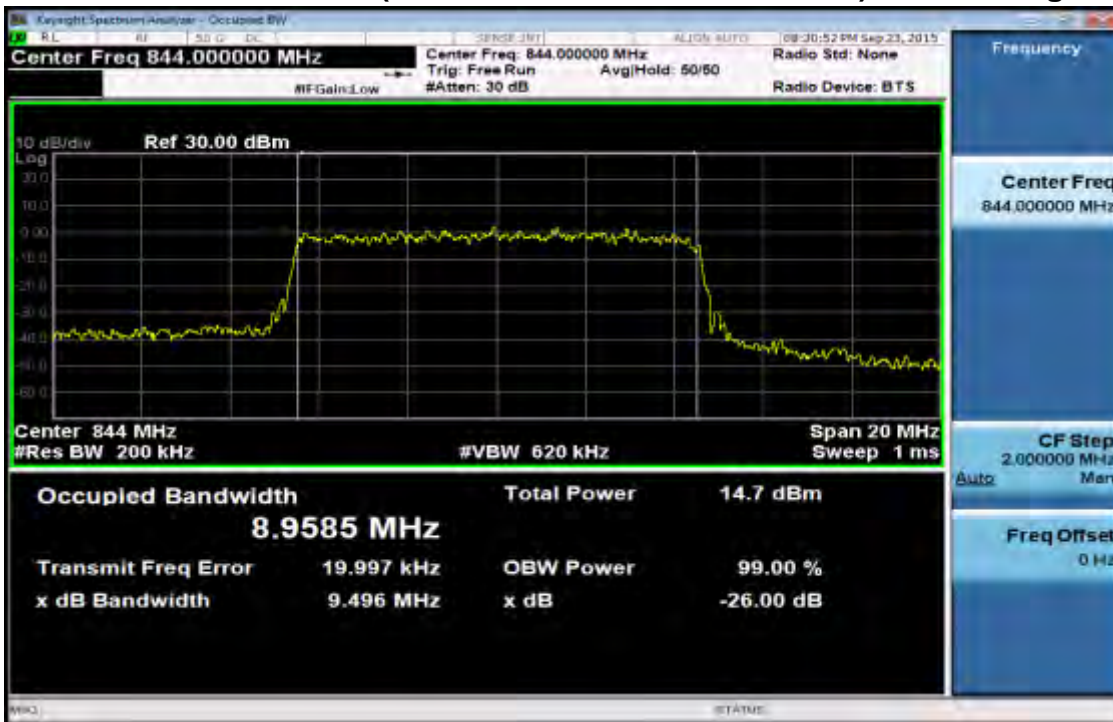
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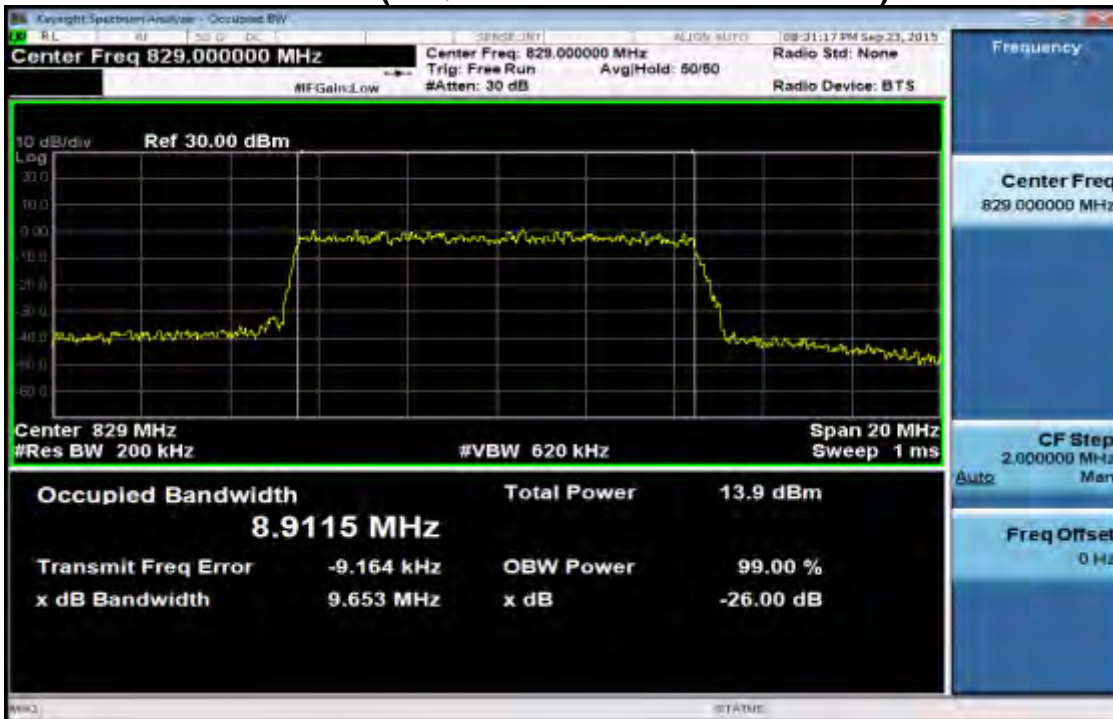
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10MHz BW LTE-Band 5(QPSK RB Number: 50 Offset: 0) Channel High



10MHz BW LTE-Band 5(16QAM RB Number: 50 Offset: 0) Channel Low



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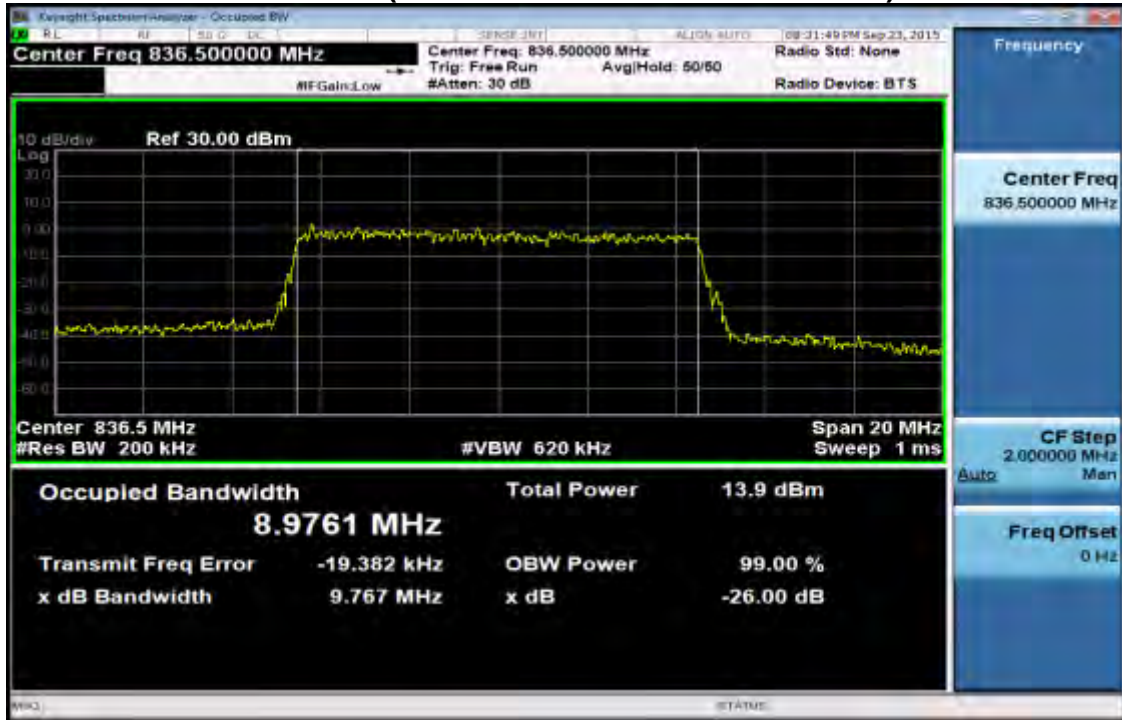
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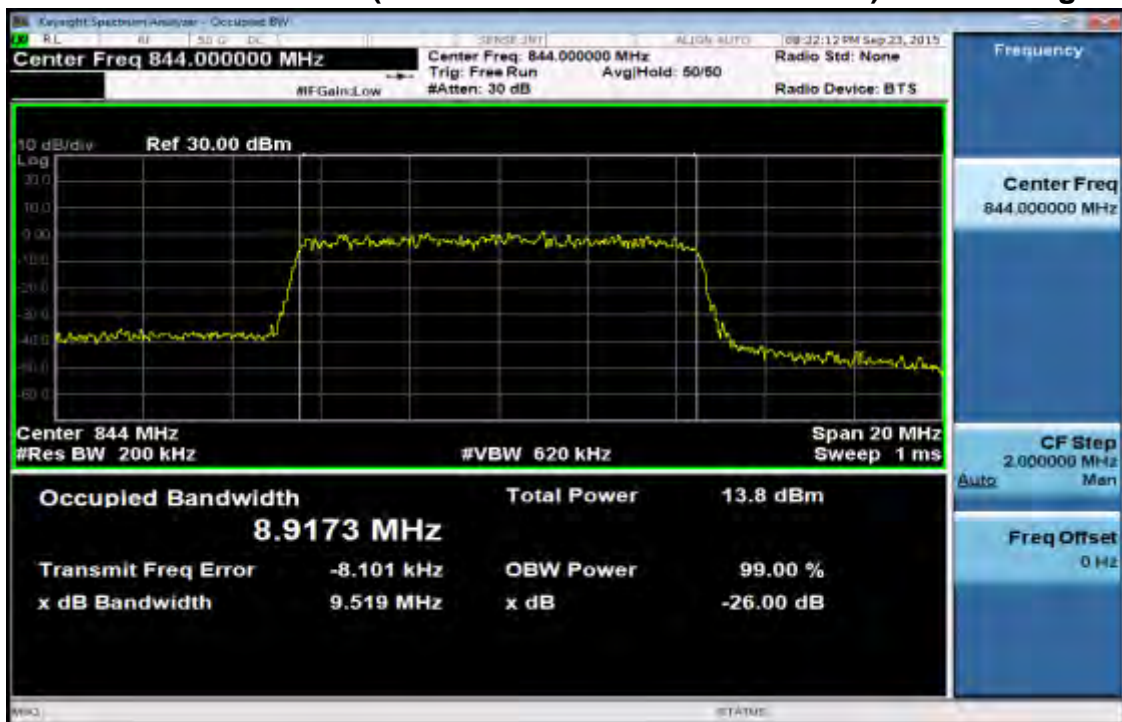
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10MHz BW LTE-Band 5(16QAM RB Number: 50 Offset: 0) Channel Mid



10MHz BW LTE-Band 5(16QAM RB Number: 50 Offset: 0) Channel High



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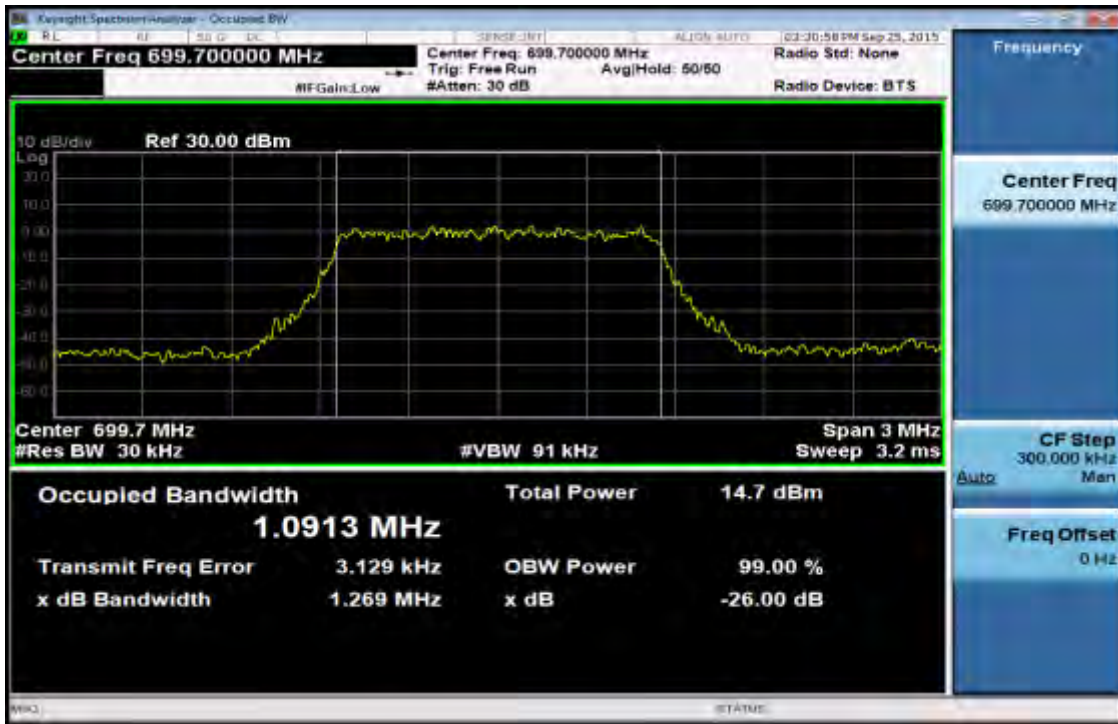
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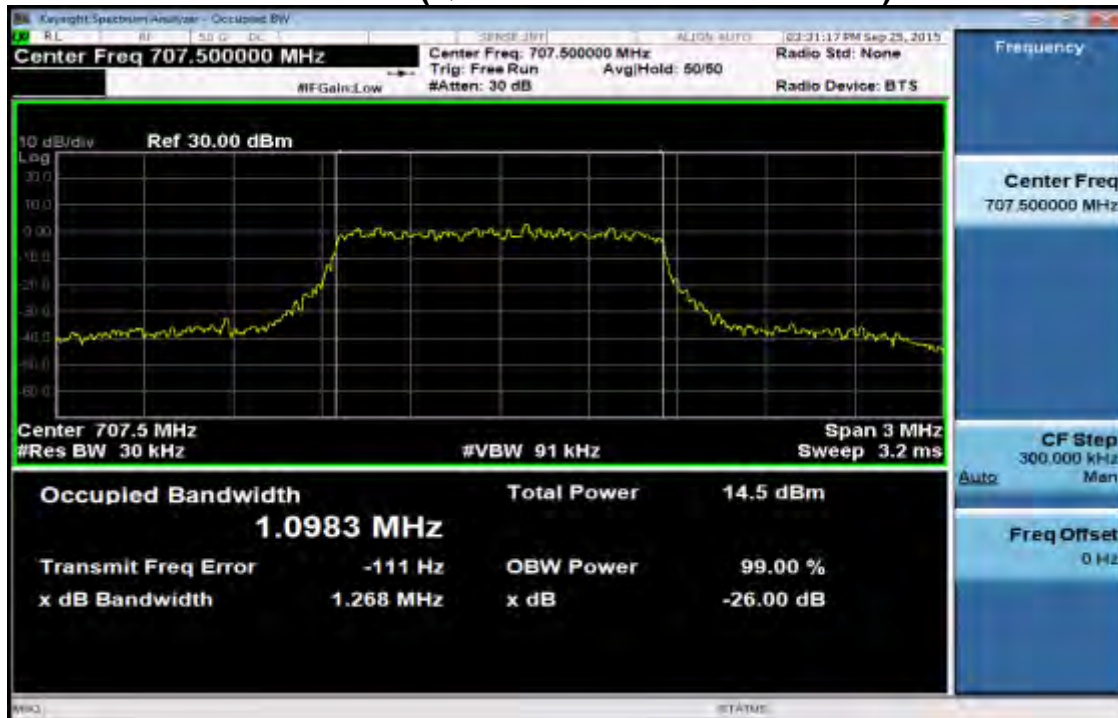
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1.4MHz BW LTE-Band 12(QPSK RB Number: 6 Offset: 0) Channel Low



1.4MHz BW LTE-Band 12(QPSK RB Number: 6 Offset: 0) Channel Mid



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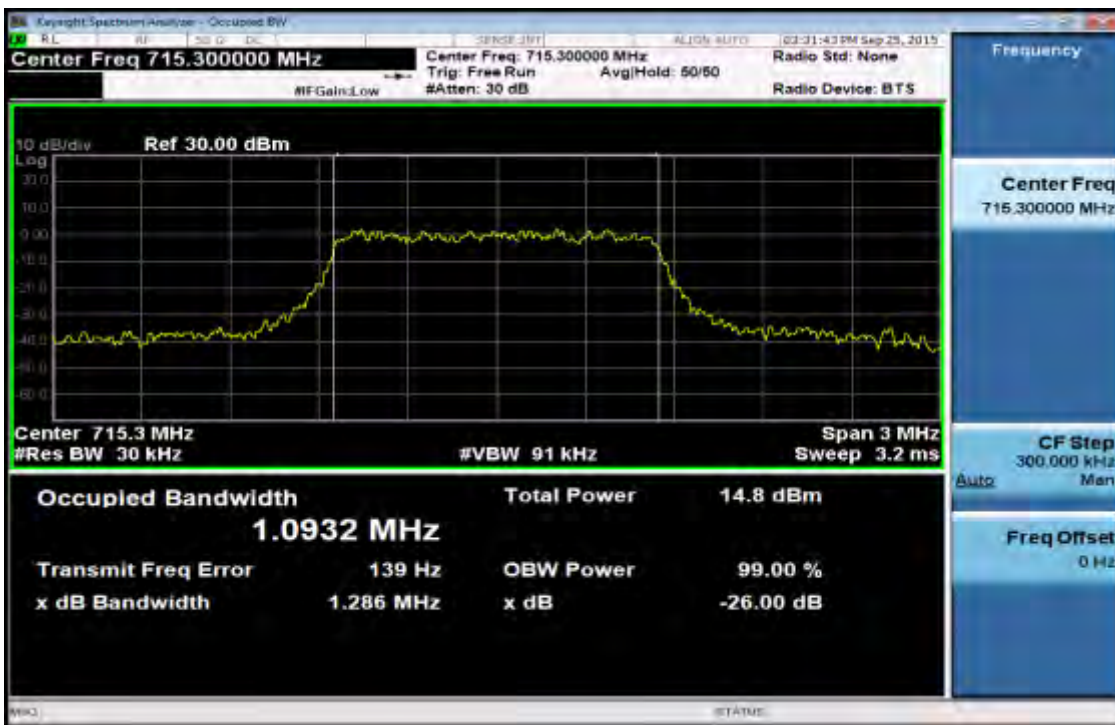
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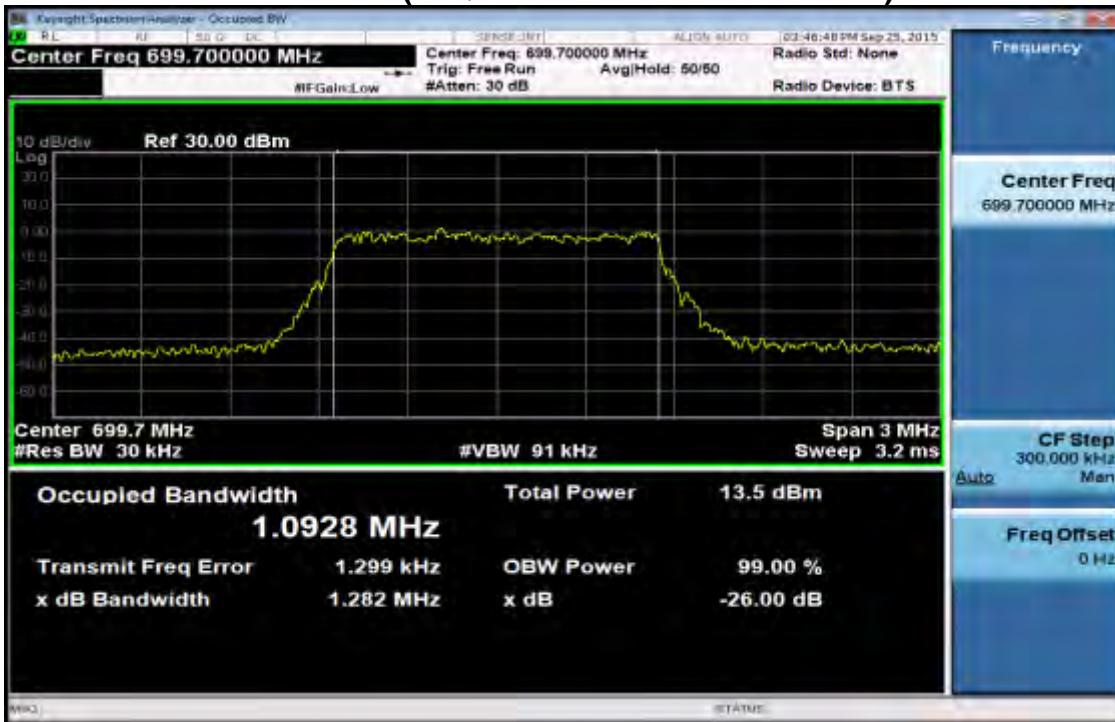
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1.4MHz BW LTE-Band 12(QPSK RB Number: 6 Offset: 0) Channel High



1.4MHz BW LTE-Band 12(16QAM RB Number: 6 Offset: 0) Channel Low



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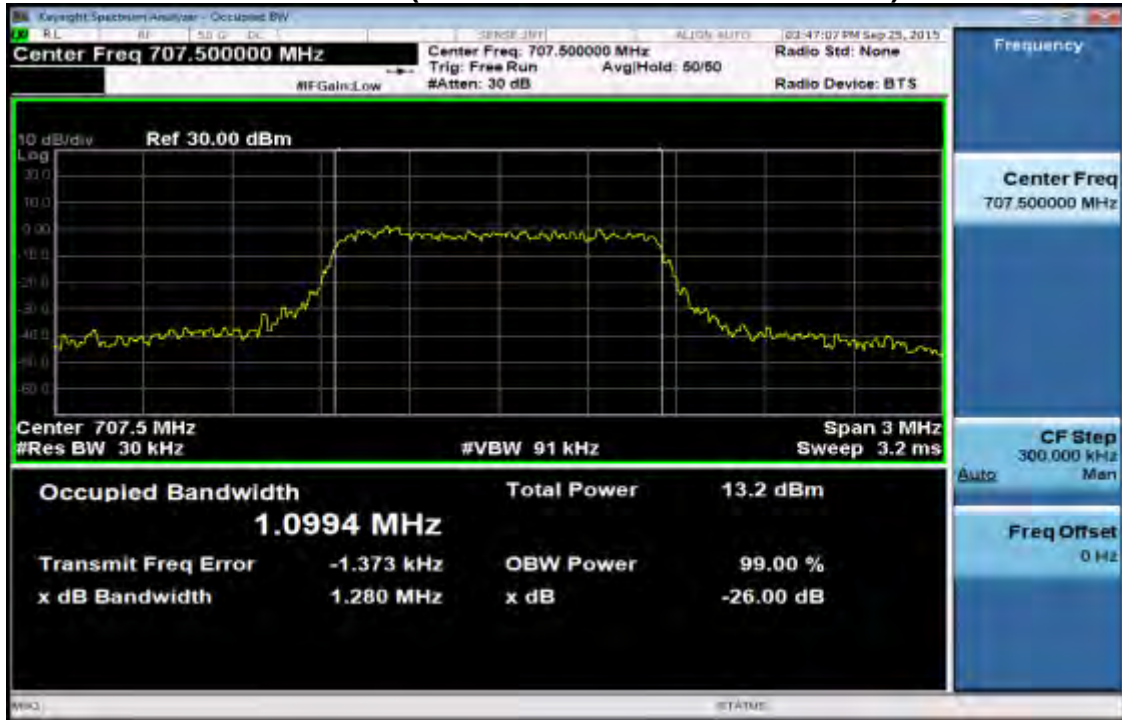
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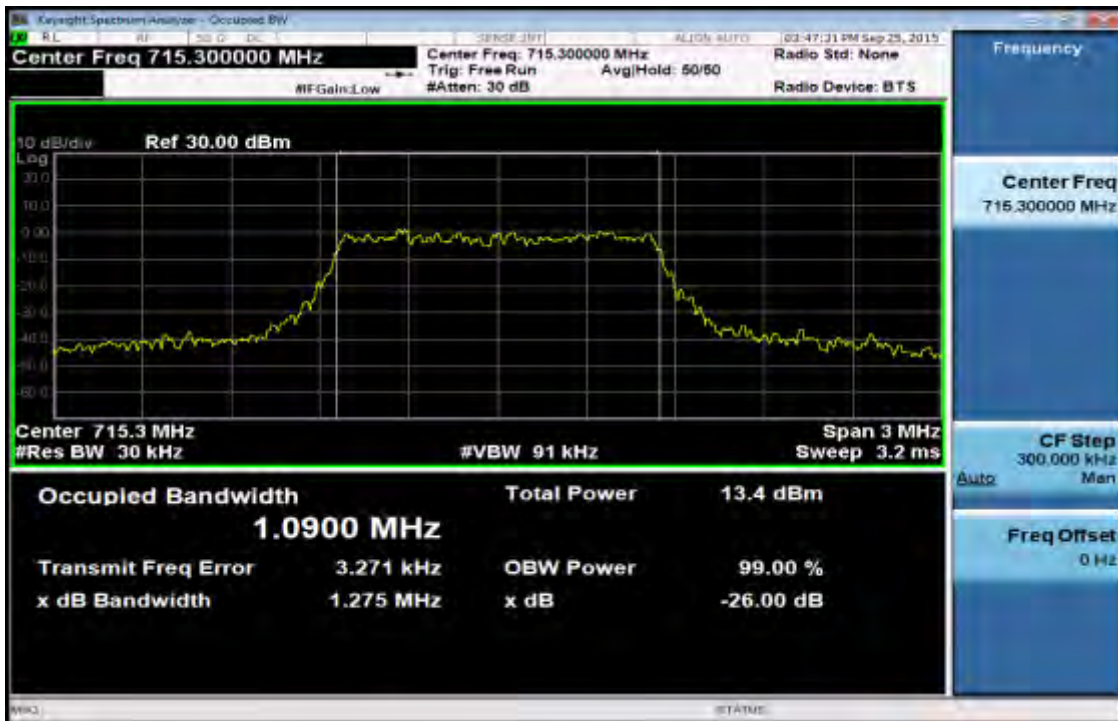
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1.4MHz BW LTE-Band 12(16QAM RB Number: 6 Offset: 0) Channel Mid



1.4MHz BW LTE-Band 12(16QAM RB Number: 6 Offset: 0) Channel High



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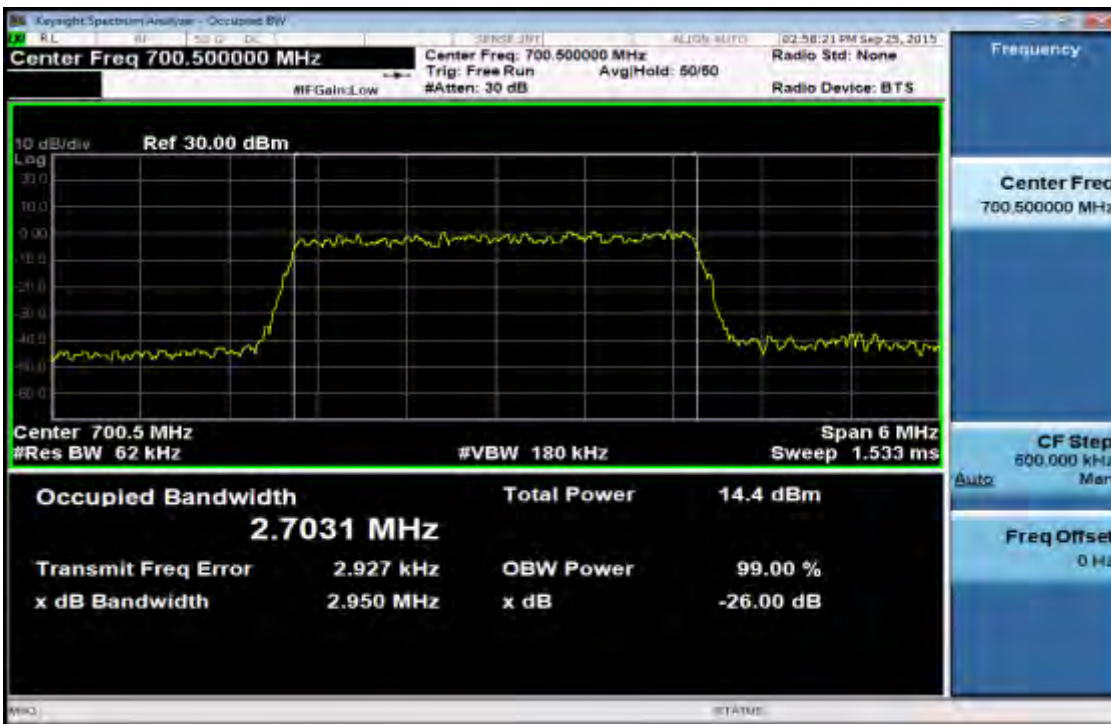
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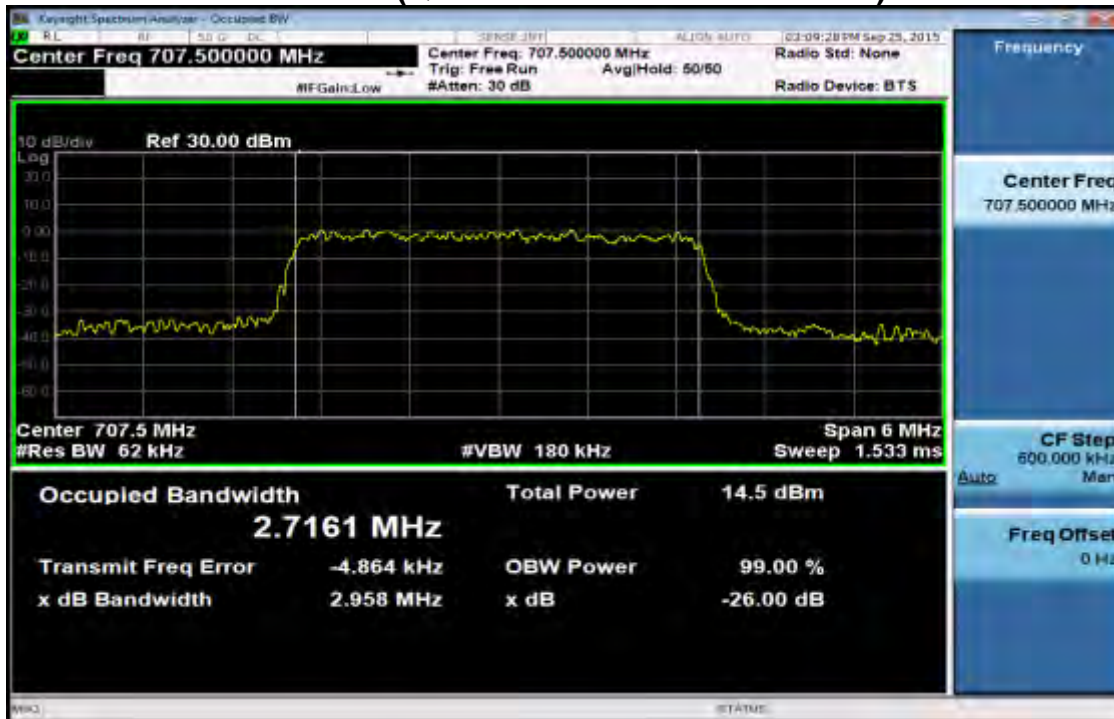
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3MHz BW LTE-Band 12(QPSK RB Number: 15 Offset: 0) Channel Low



3MHz BW LTE-Band 12(QPSK RB Number: 15 Offset: 0) Channel Mid

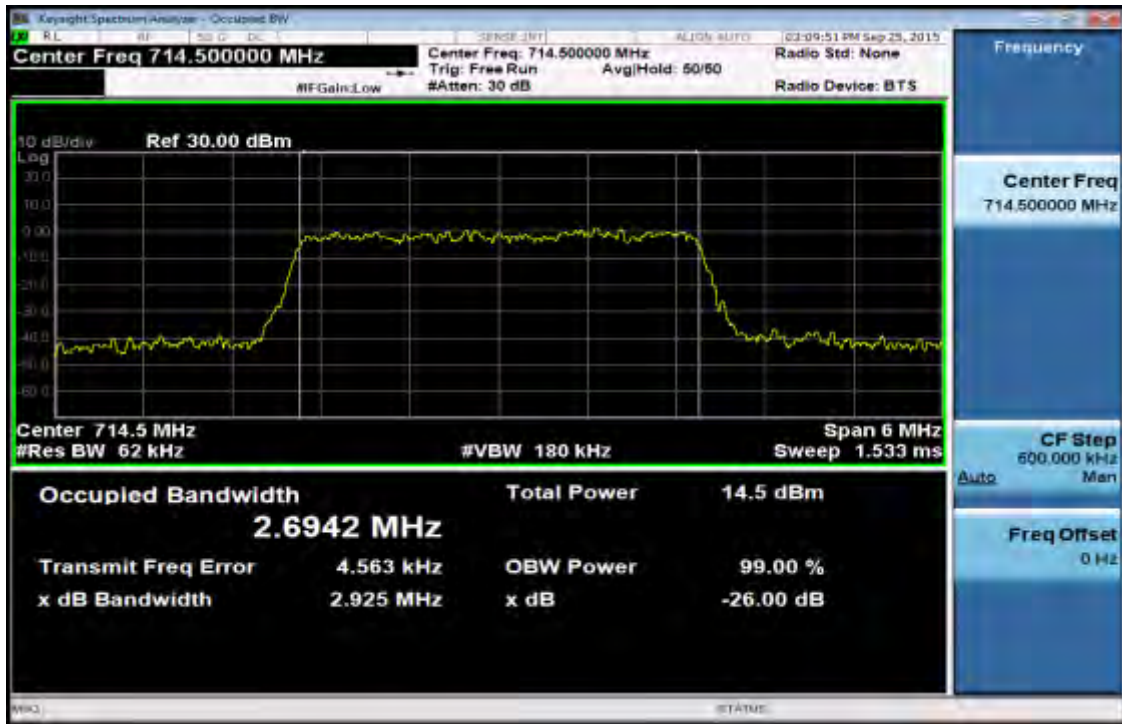


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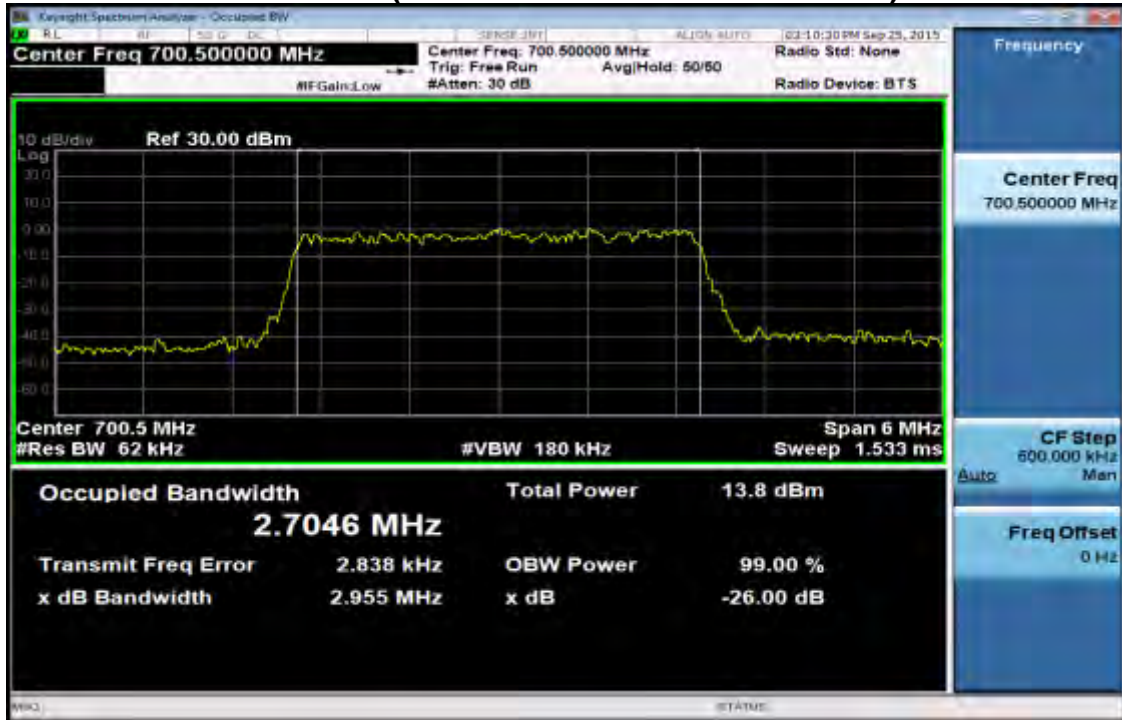
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3MHz BW LTE-Band 12(QPSK RB Number: 15 Offset: 0) Channel High



3MHz BW LTE-Band 12(16QAM RB Number: 15 Offset: 0) Channel Low



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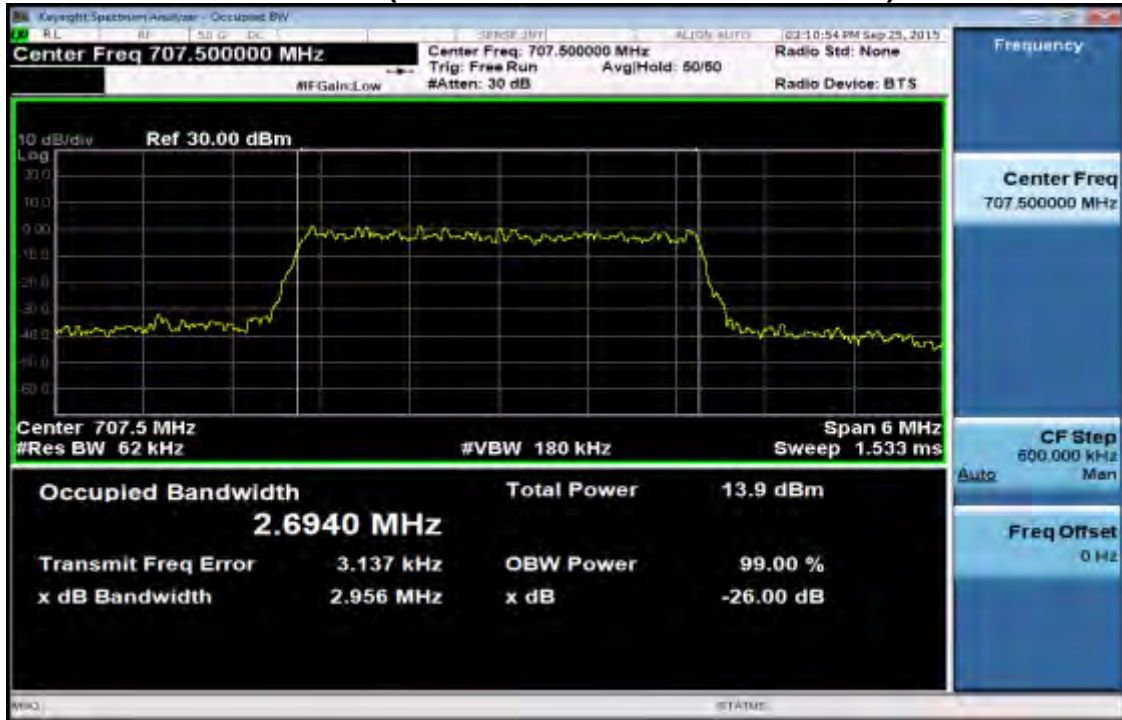
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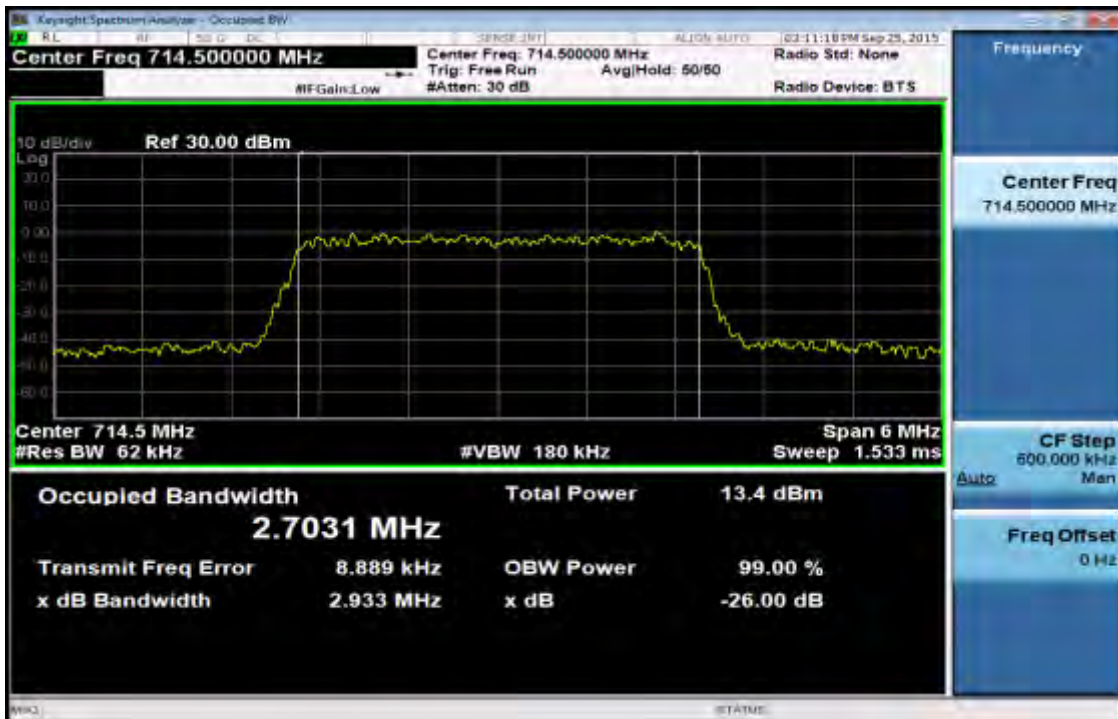
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3MHz BW LTE-Band 12(16QAM RB Number: 15 Offset: 0) Channel Mid



3MHz BW LTE-Band 12(16QAM RB Number: 15 Offset: 0) Channel High



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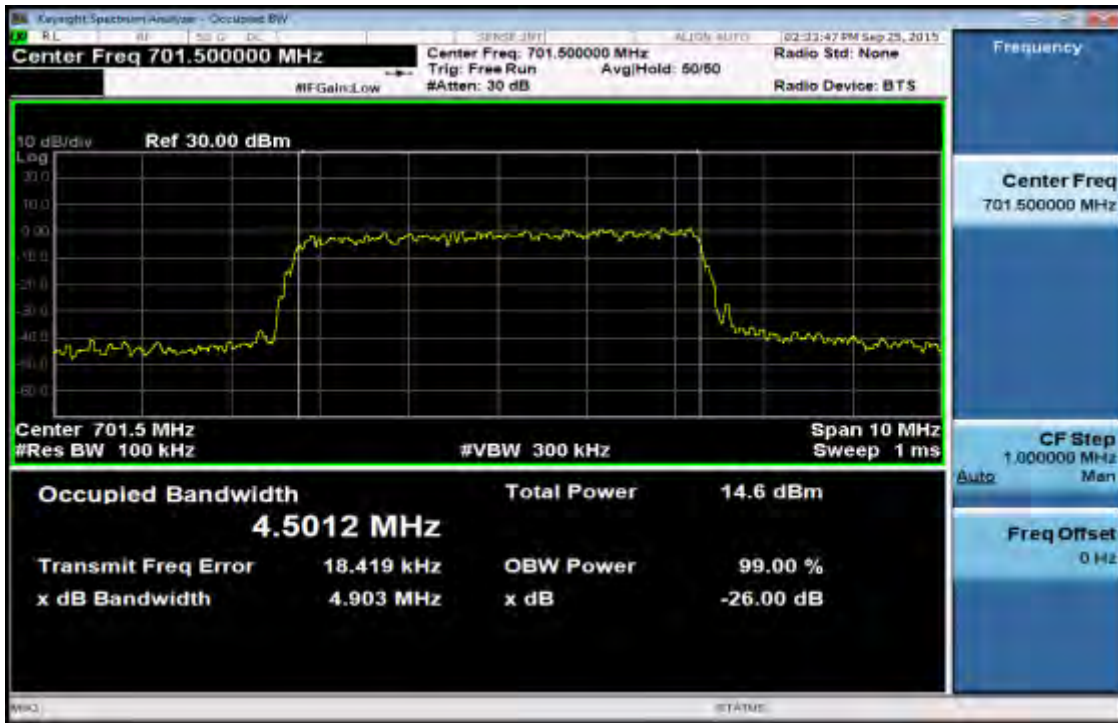
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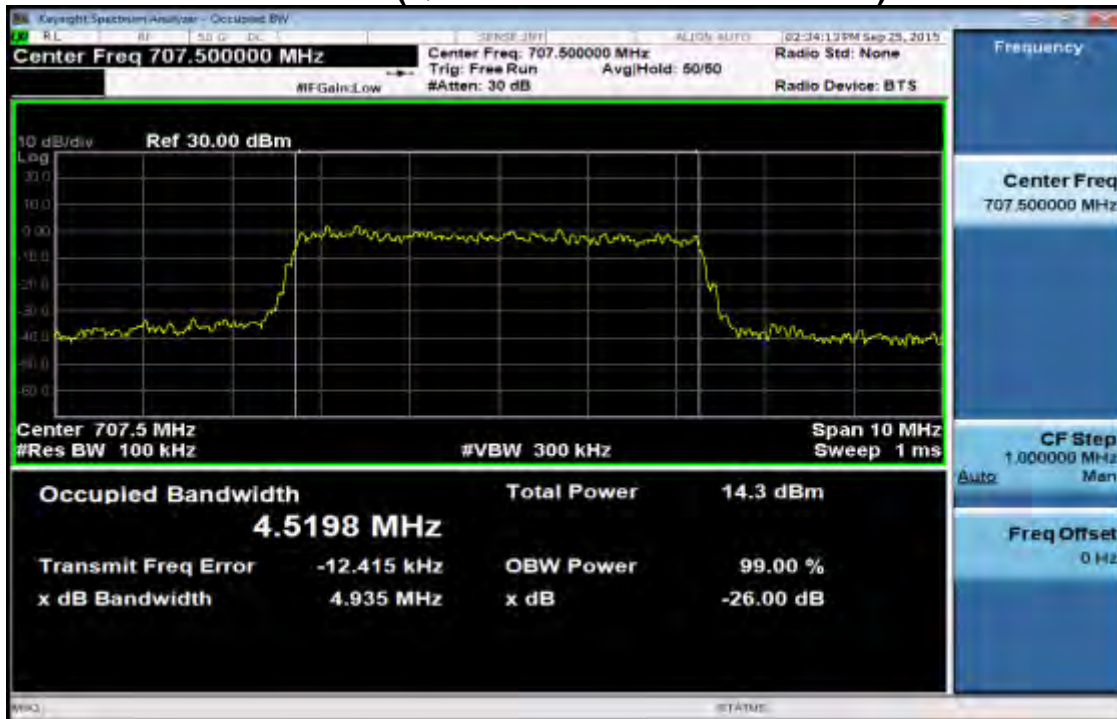
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5MHz BW LTE-Band 12(QPSK RB Number: 25 Offset: 0) Channel Low



5MHz BW LTE-Band 12(QPSK RB Number: 25 Offset: 0) Channel Mid



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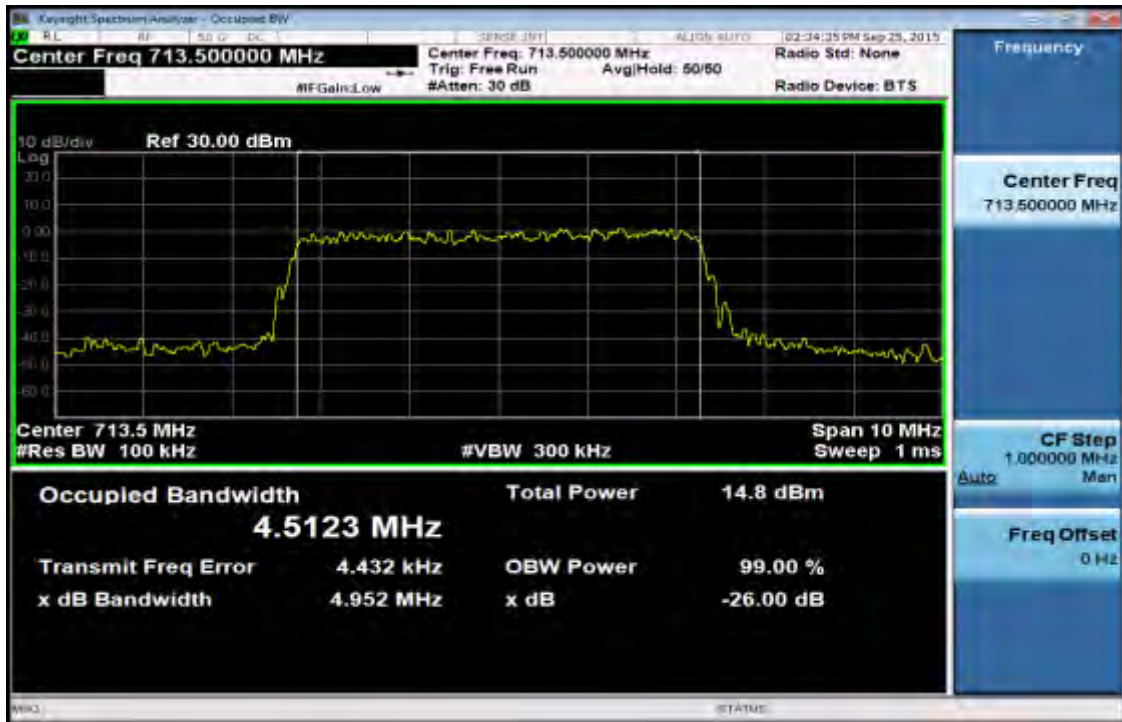
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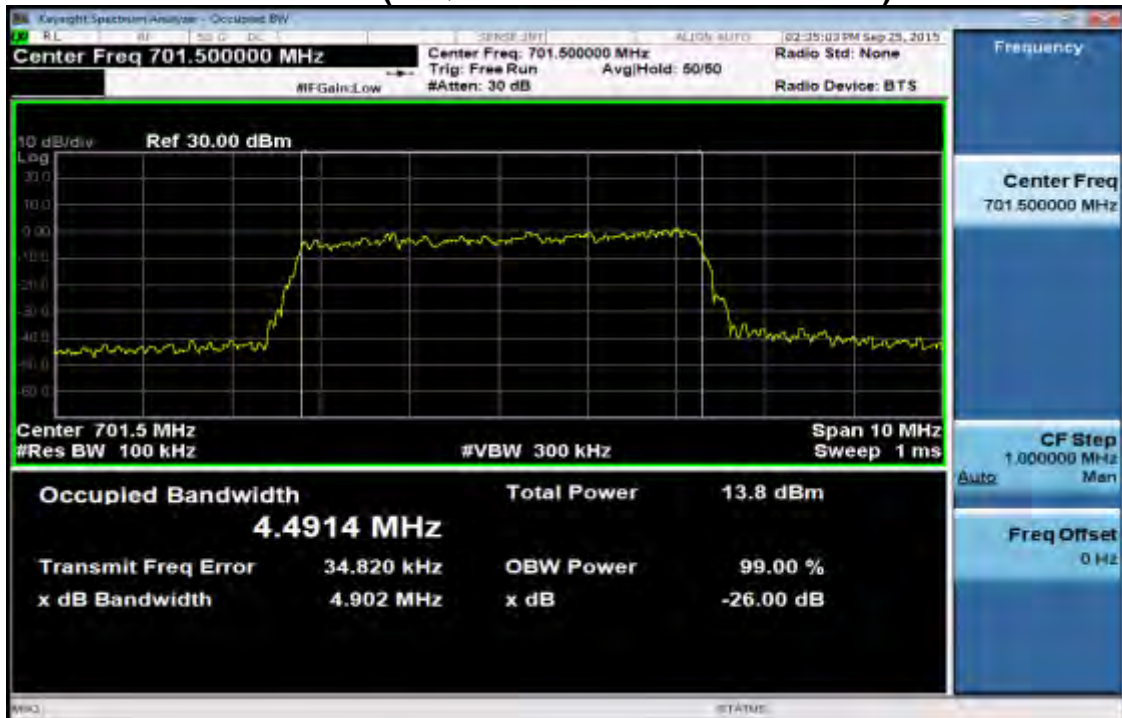
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5MHz BW LTE-Band 12(QPSK RB Number: 25 Offset: 0) Channel High



5MHz BW LTE-Band 12(16QAM RB Number: 25 Offset: 0) Channel Low



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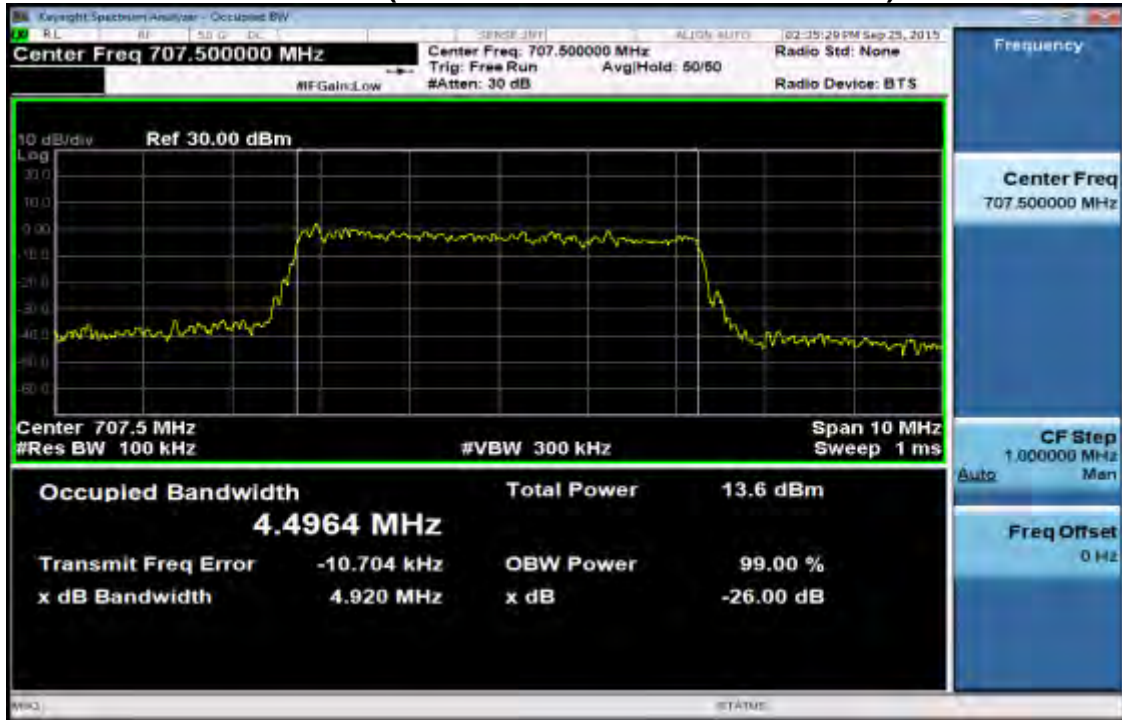
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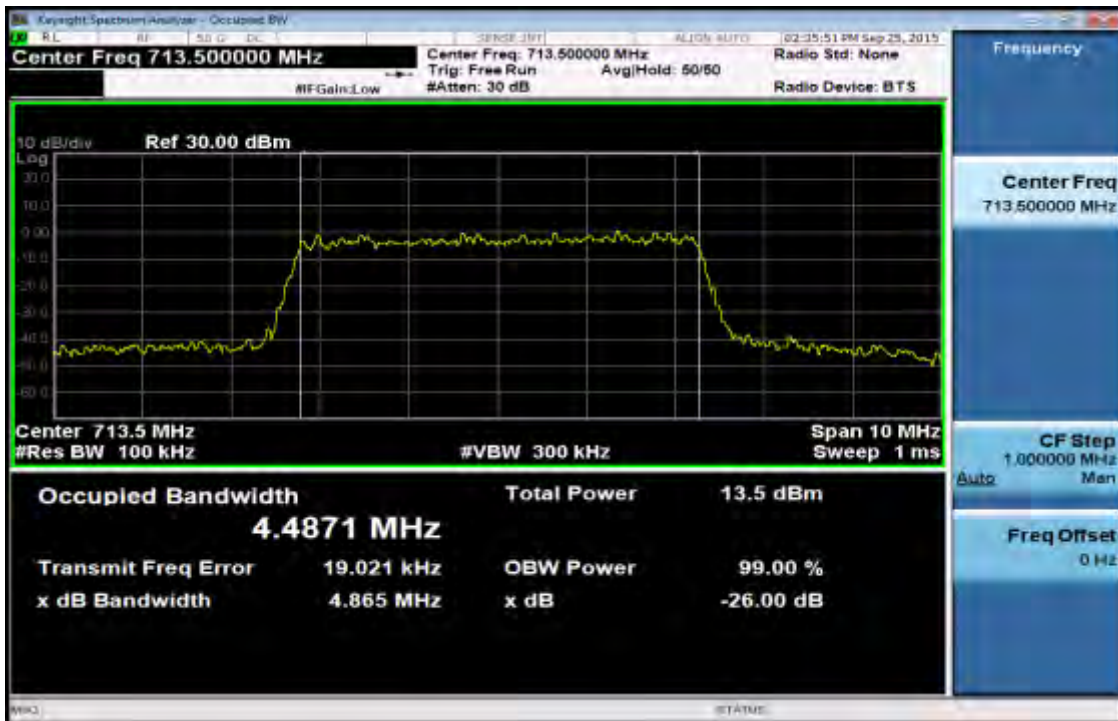
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5MHz BW LTE-Band 12(16QAM RB Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 12(16QAM RB Number: 25 Offset: 0) Channel High



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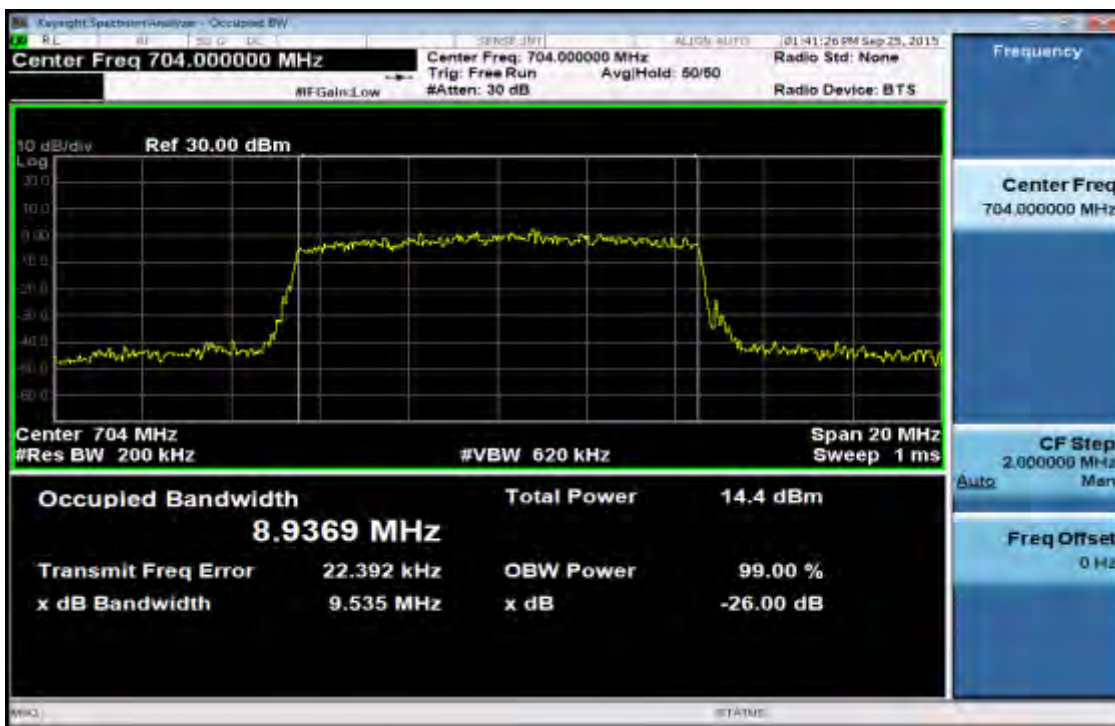
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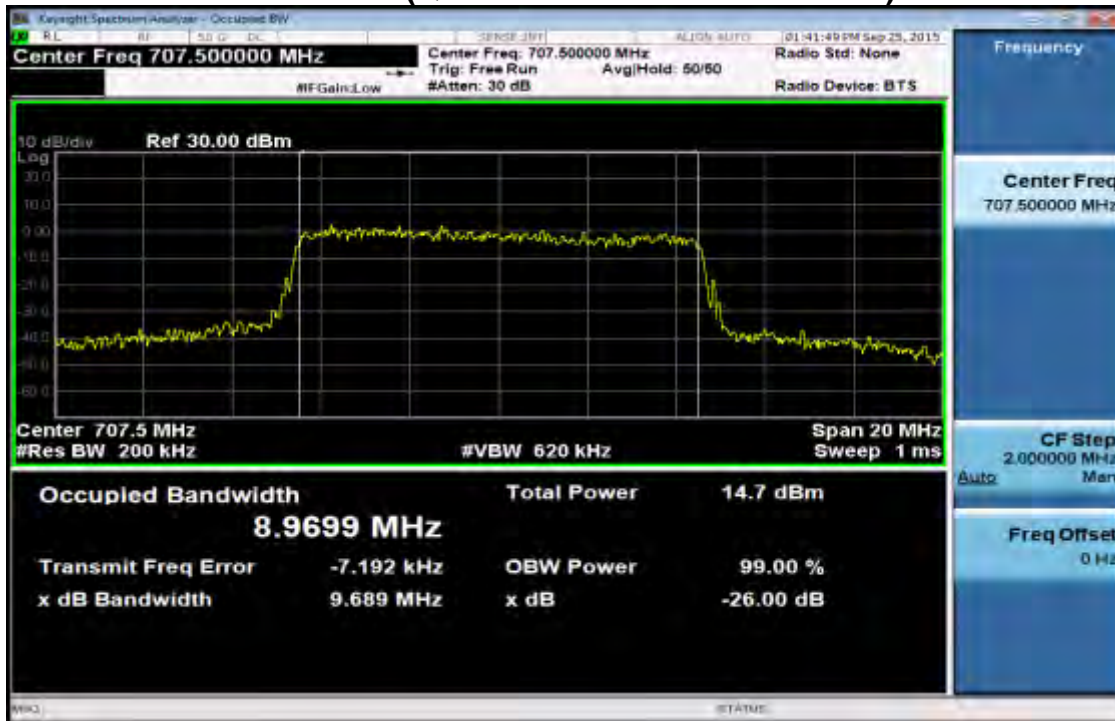
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10MHz BW LTE-Band 12(QPSK RB Number: 50 Offset: 0) Channel Low



10MHz BW LTE-Band 12(QPSK RB Number: 50 Offset: 0) Channel Mid



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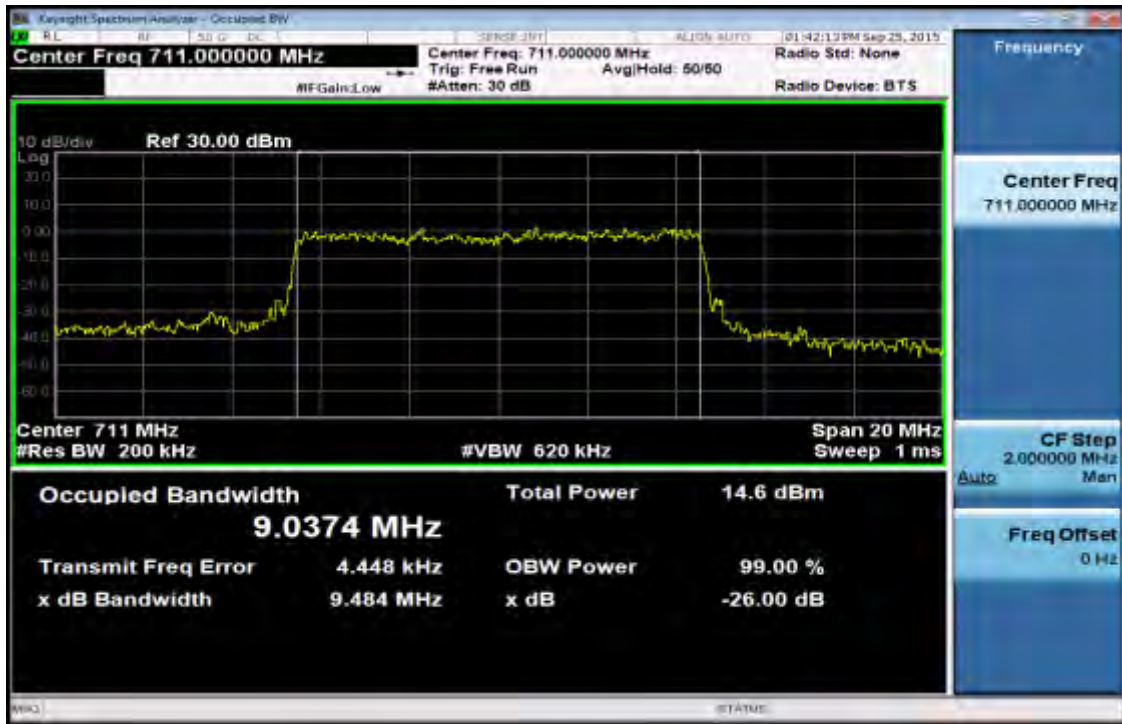
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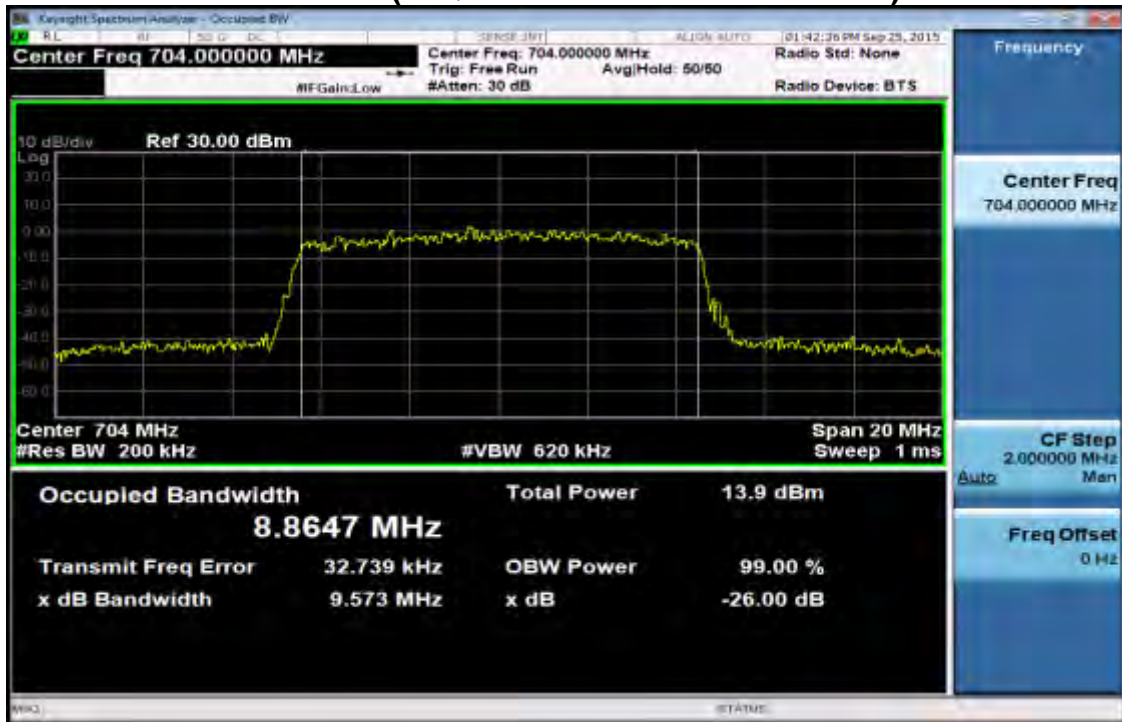
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10MHz BW LTE-Band 12 (QPSK RB Number: 50 Offset: 0) Channel High



10MHz BW LTE-Band 12(16QAM RB Number: 50 Offset: 0) Channel Low



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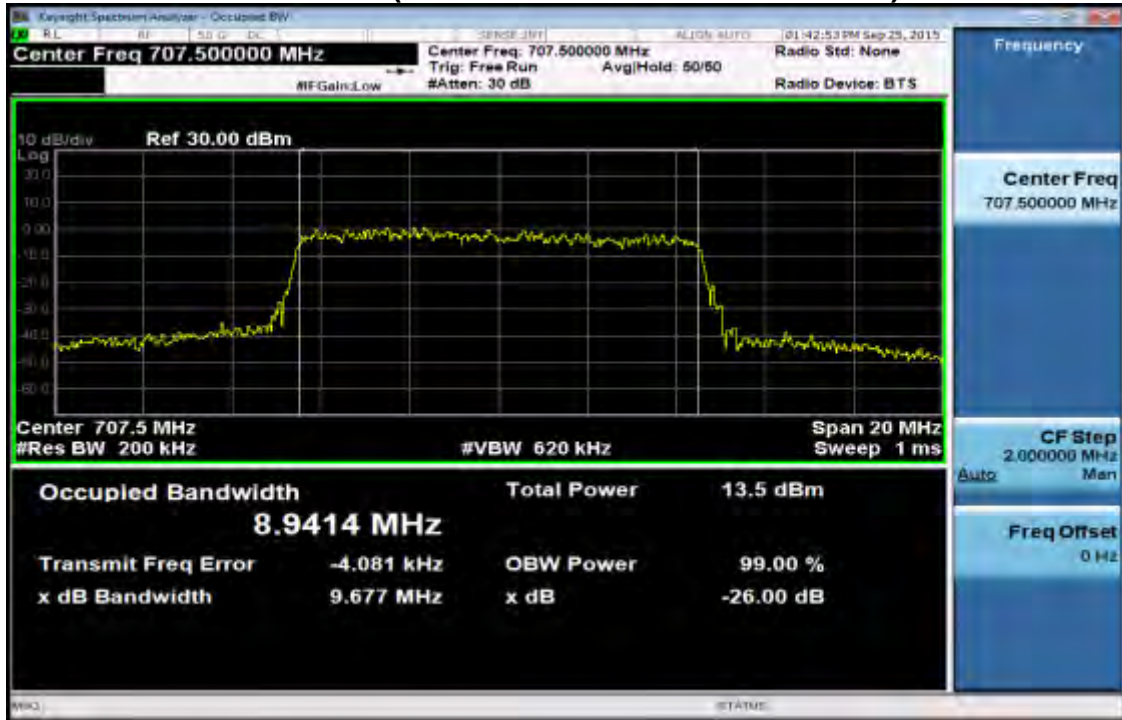
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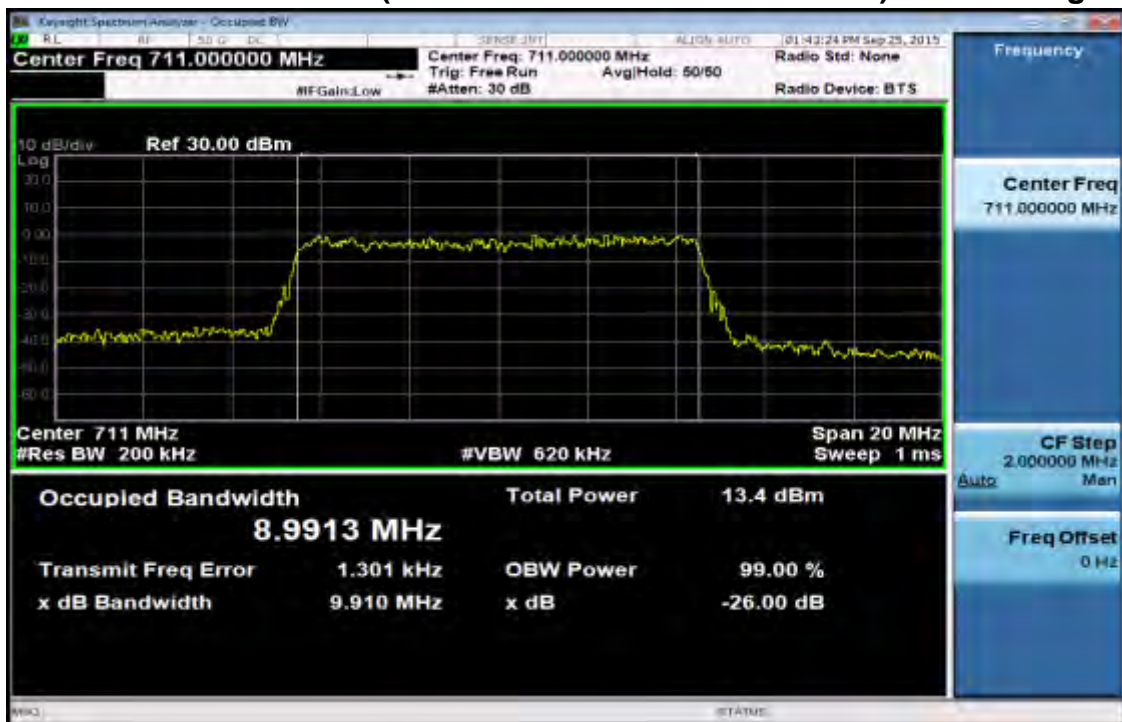
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10MHz BW LTE-Band12(16QAM RB Number: 50 Offset: 0) Channel Mid



10MHz BW LTE-Band 12(16QAM RB Number: 50 Offset: 0) Channel High



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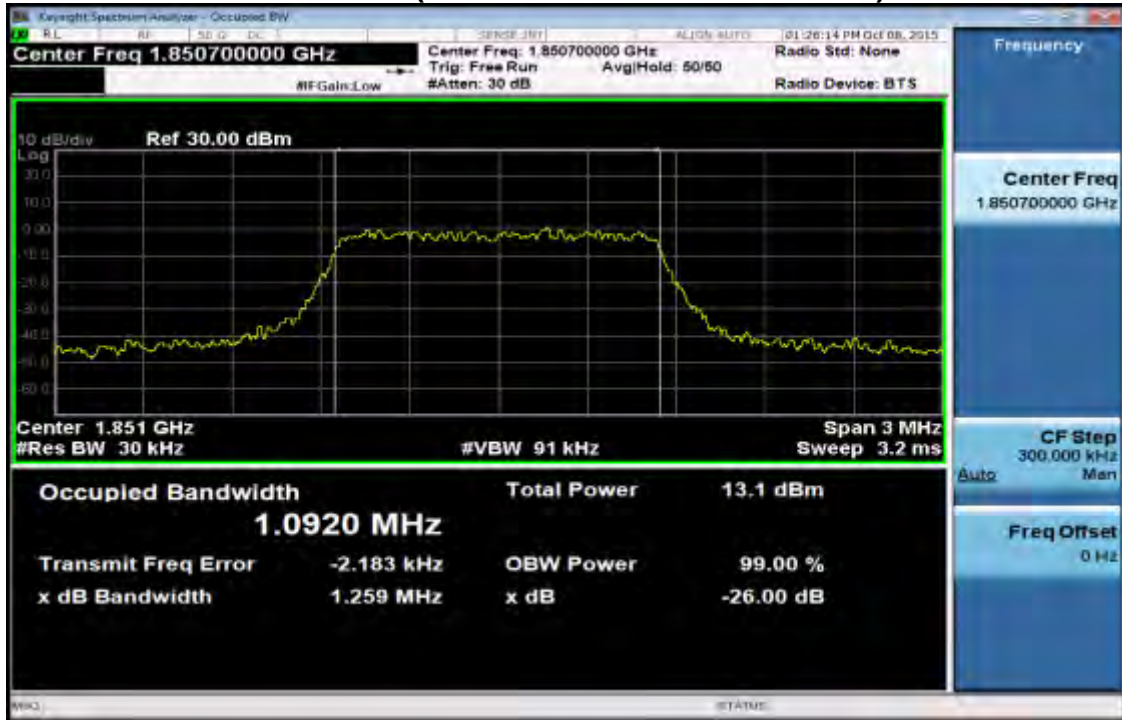
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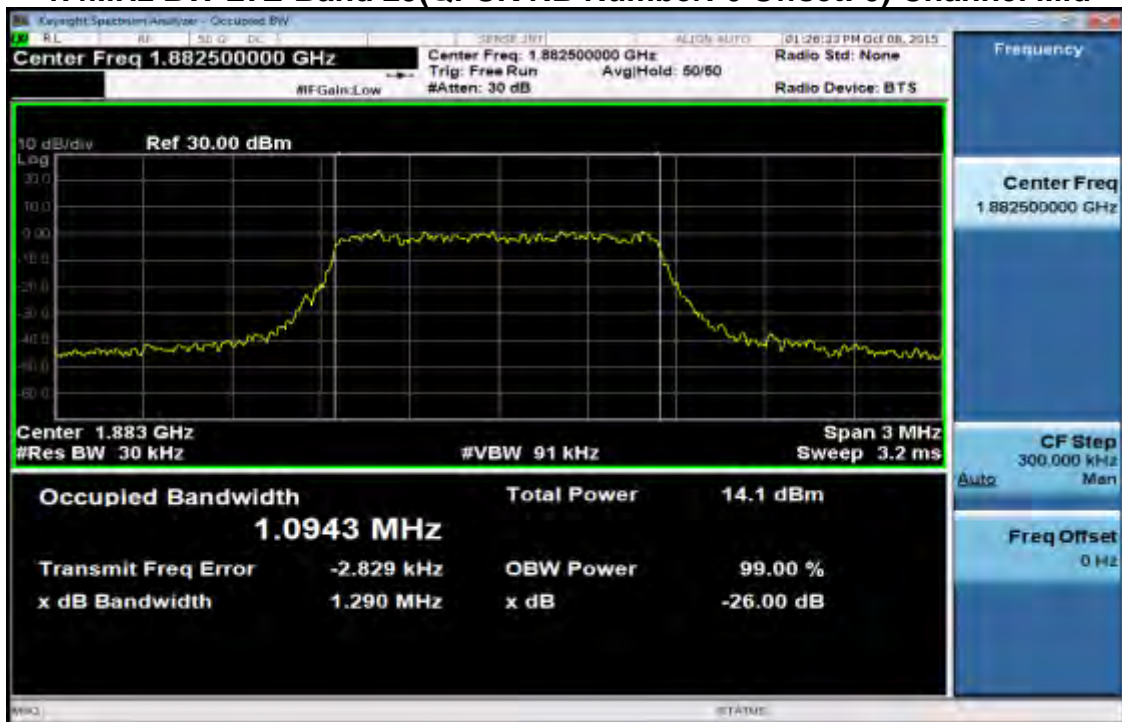
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1.4MHz BW LTE-Band 25(QPSK RB Number: 6 Offset: 0) Channel Low



1.4MHz BW LTE-Band 25(QPSK RB Number: 6 Offset: 0) Channel Mid



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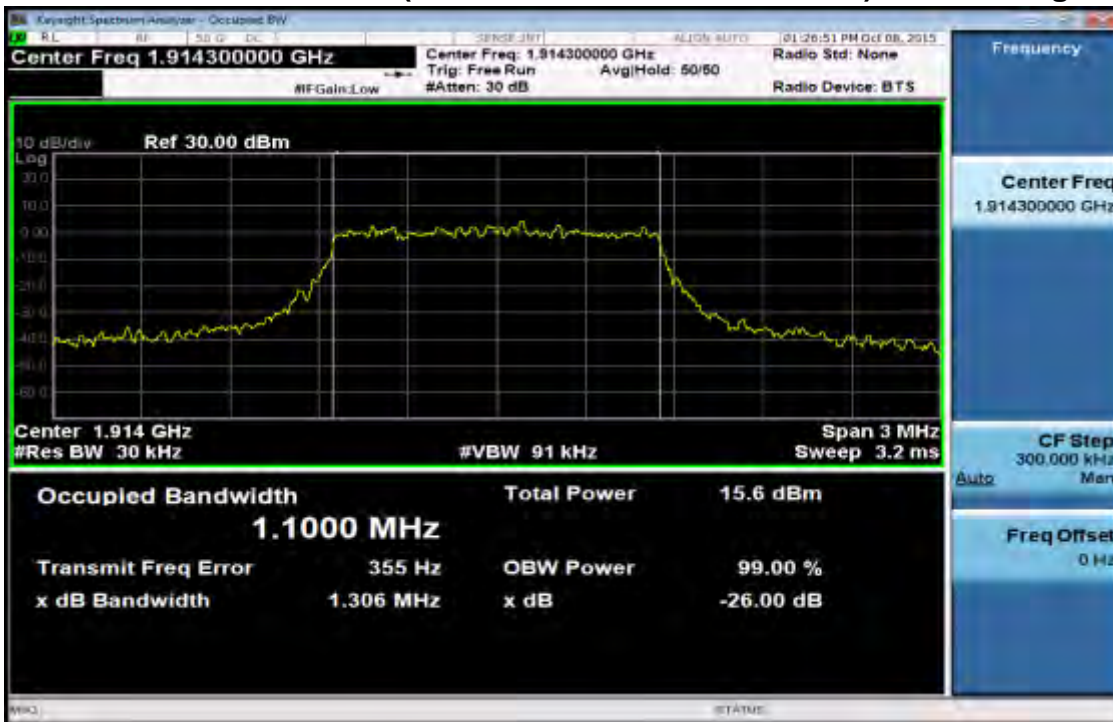
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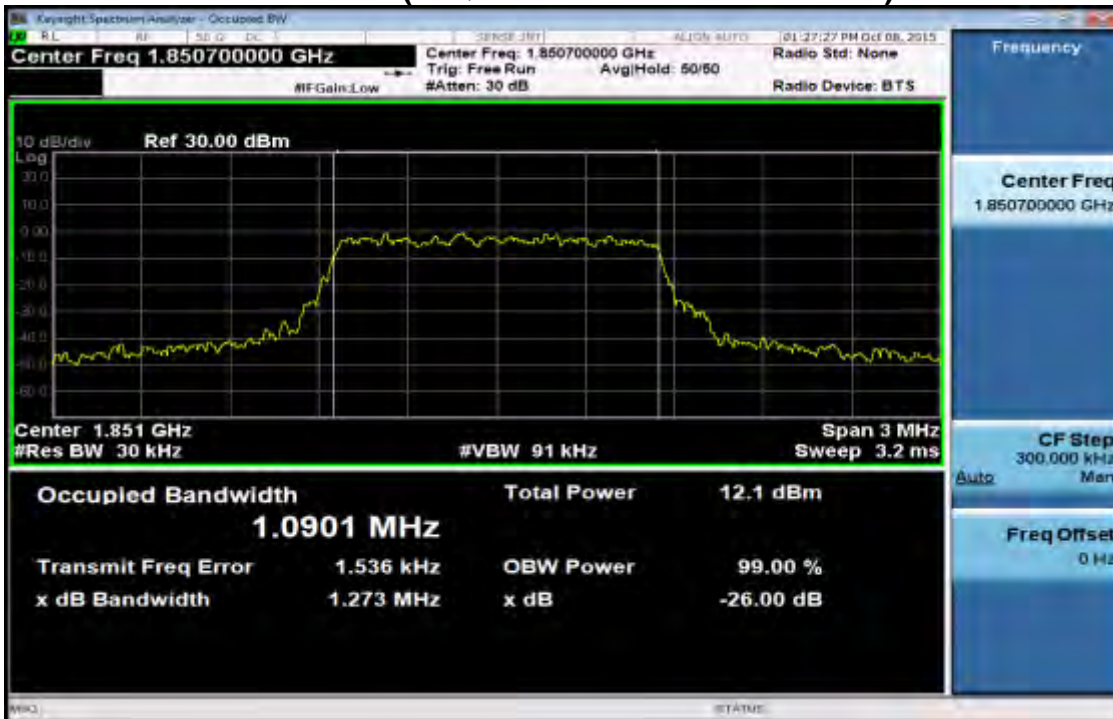
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1.4MHz BW LTE-Band 25(QPSK RB Number: 6 Offset: 0) Channel High



1.4MHz BW LTE-Band 25(16QAM RB Number: 6 Offset: 0) Channel Low



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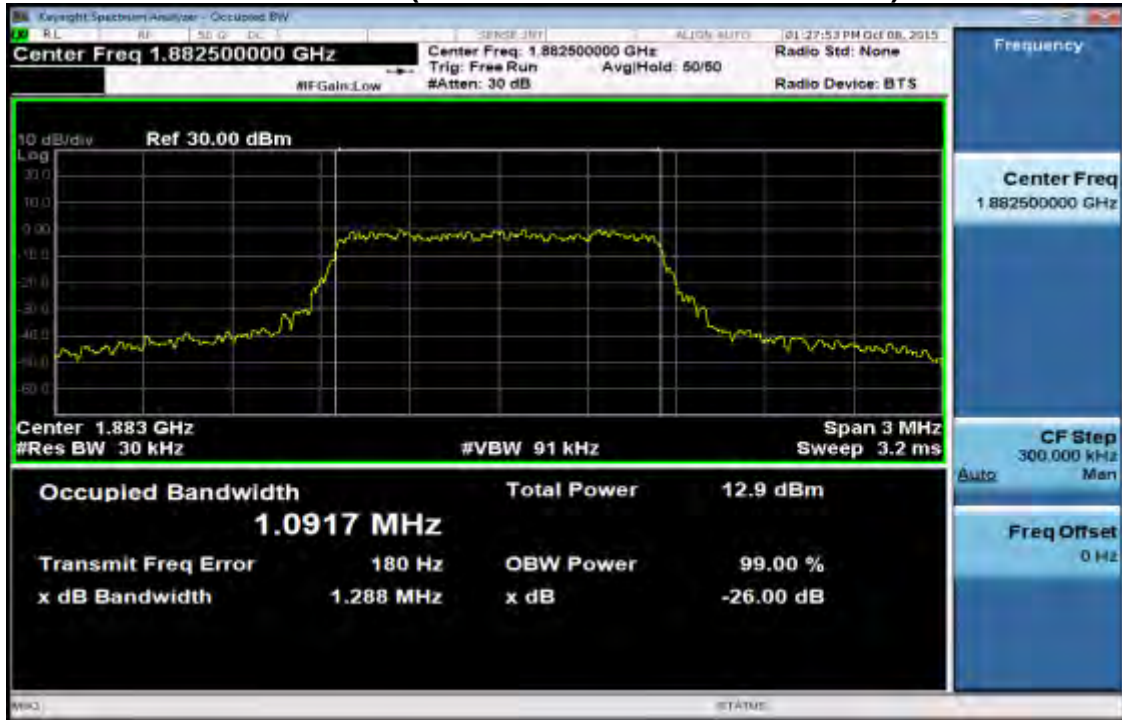
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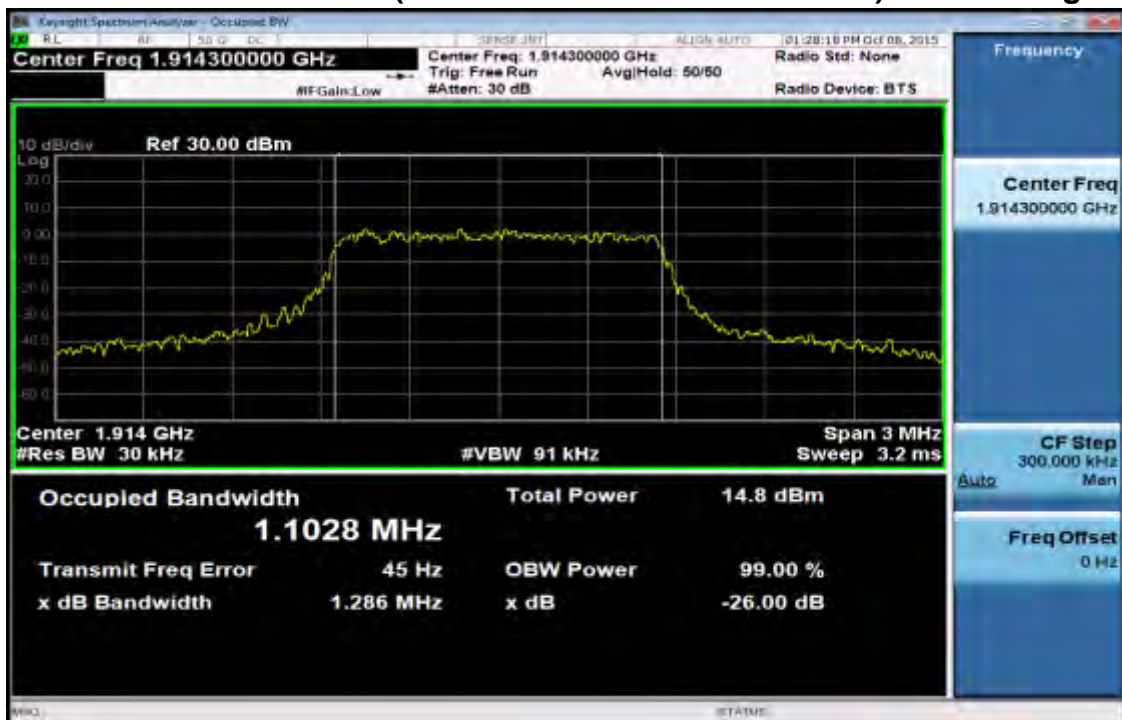
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1.4MHz BW LTE-Band 25(16QAM RB Number: 6 Offset: 0) Channel Mid



1.4MHz BW LTE-Band 25(16QAM RB Number: 6 Offset: 0) Channel High



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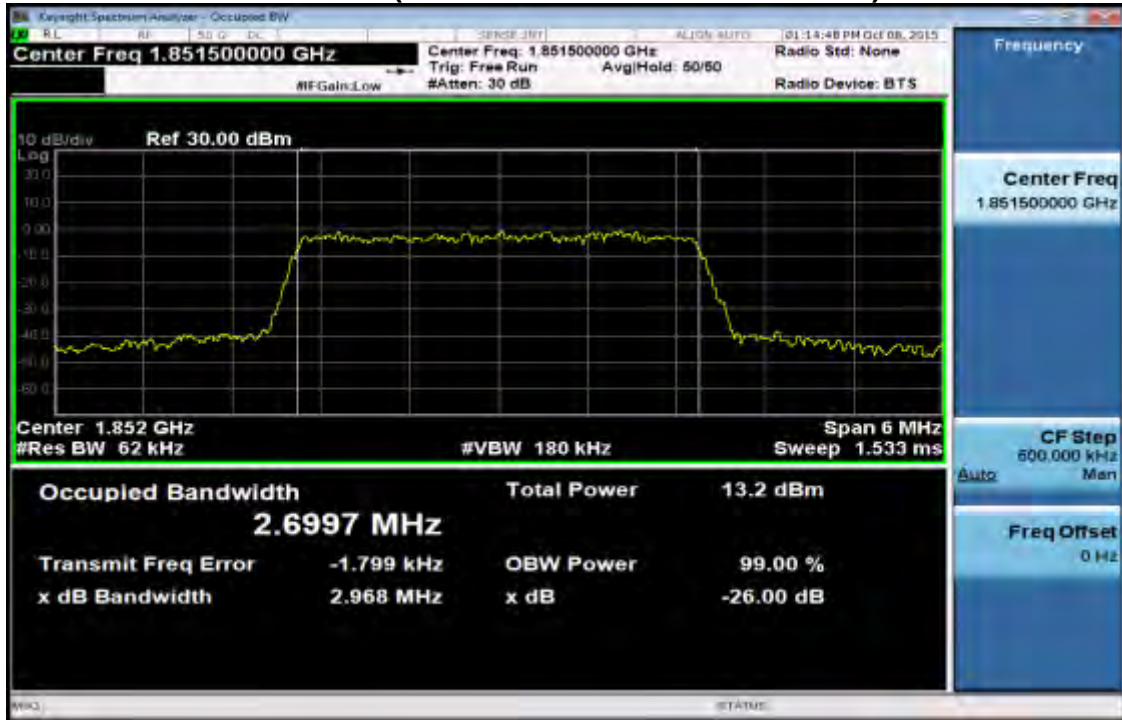
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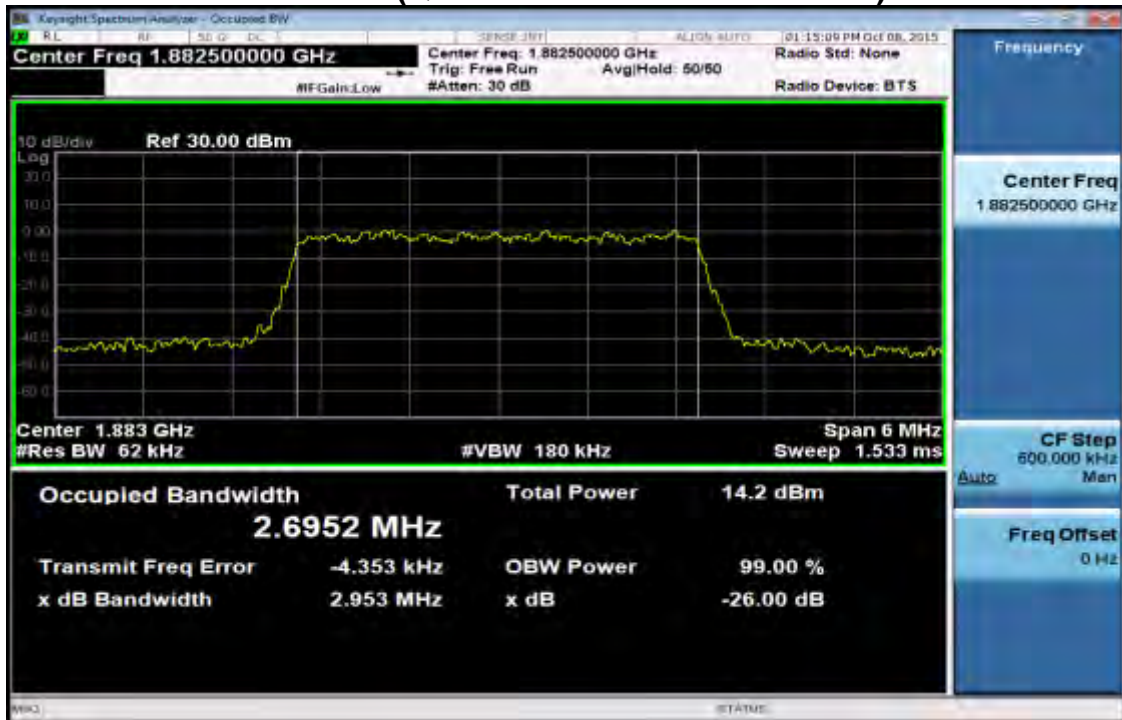
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3MHz BW LTE-Band 25(QPSK RB Number: 15 Offset: 0) Channel Low



3MHz BW LTE-Band 25(QPSK RB Number: 15 Offset: 0) Channel Mid



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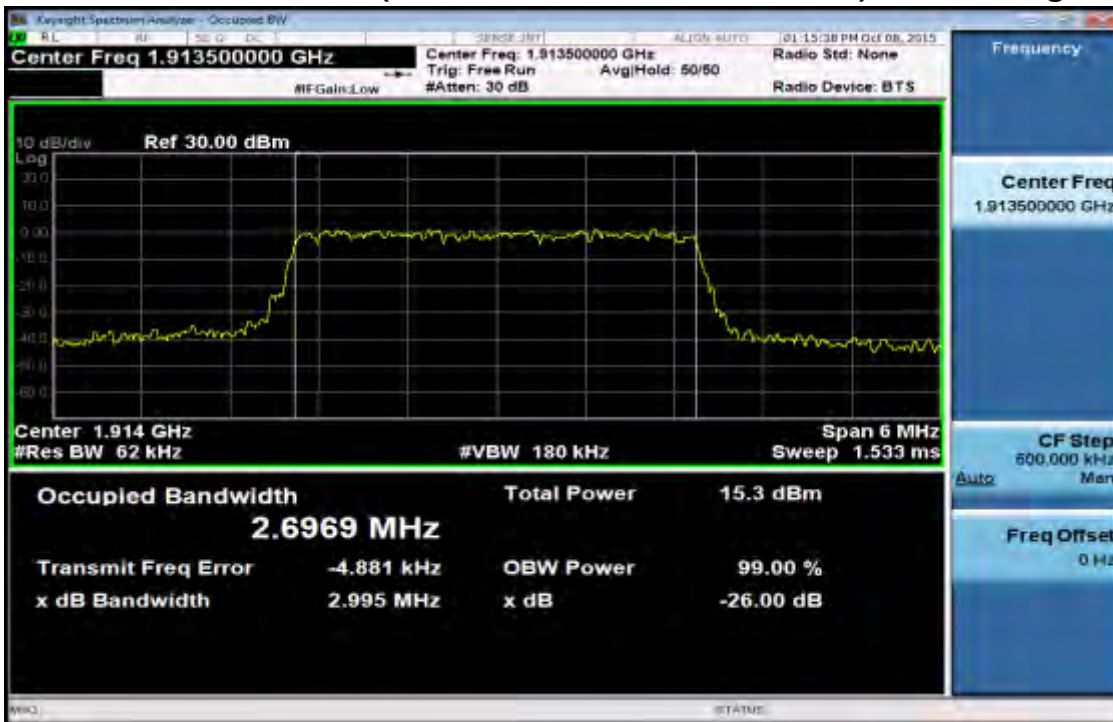
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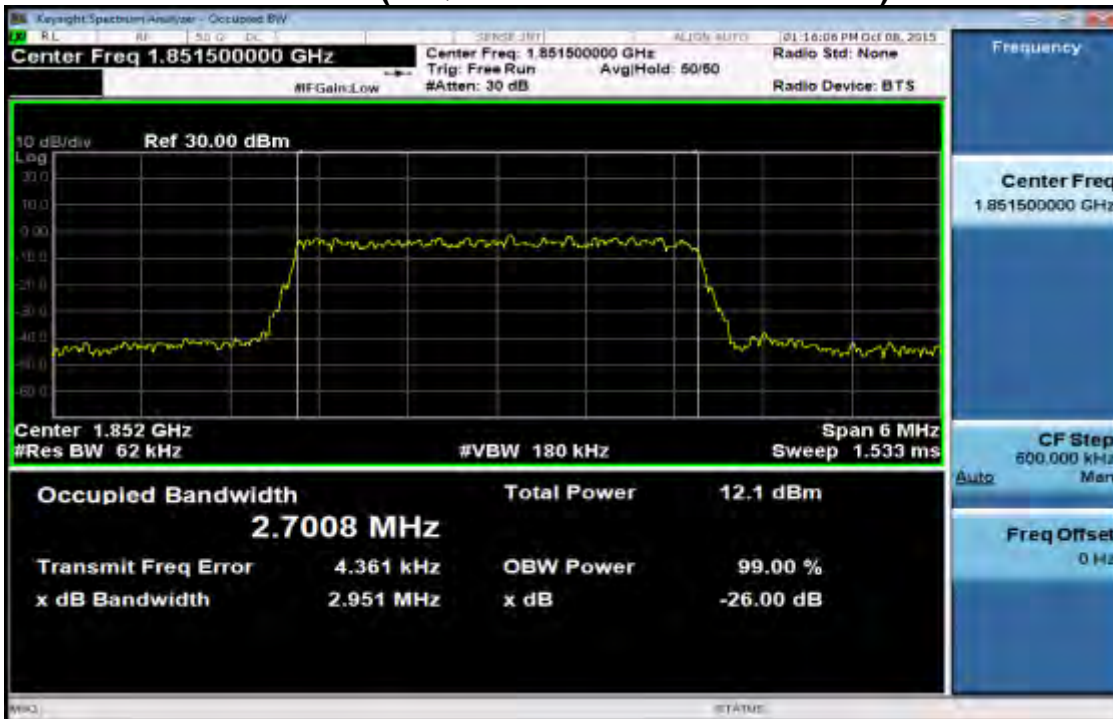
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3MHz BW LTE-Band 25(QPSK RB Number: 15 Offset: 0) Channel High



3MHz BW LTE-Band 25(16QAM RB Number: 15 Offset: 0) Channel Low



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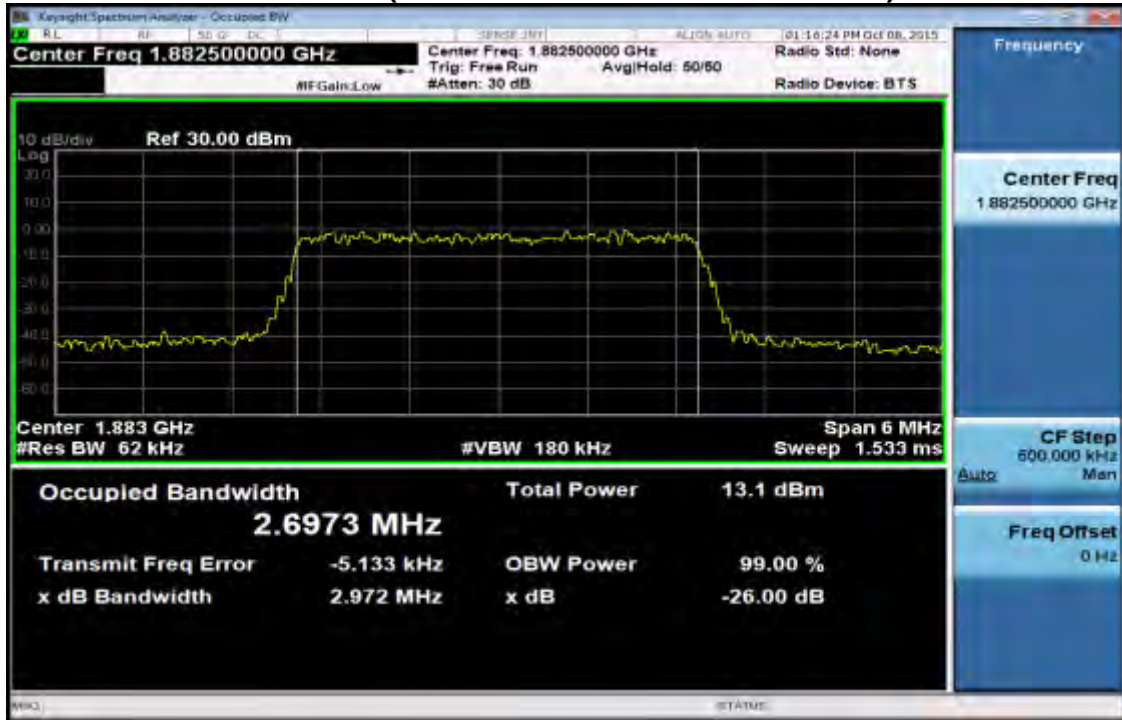
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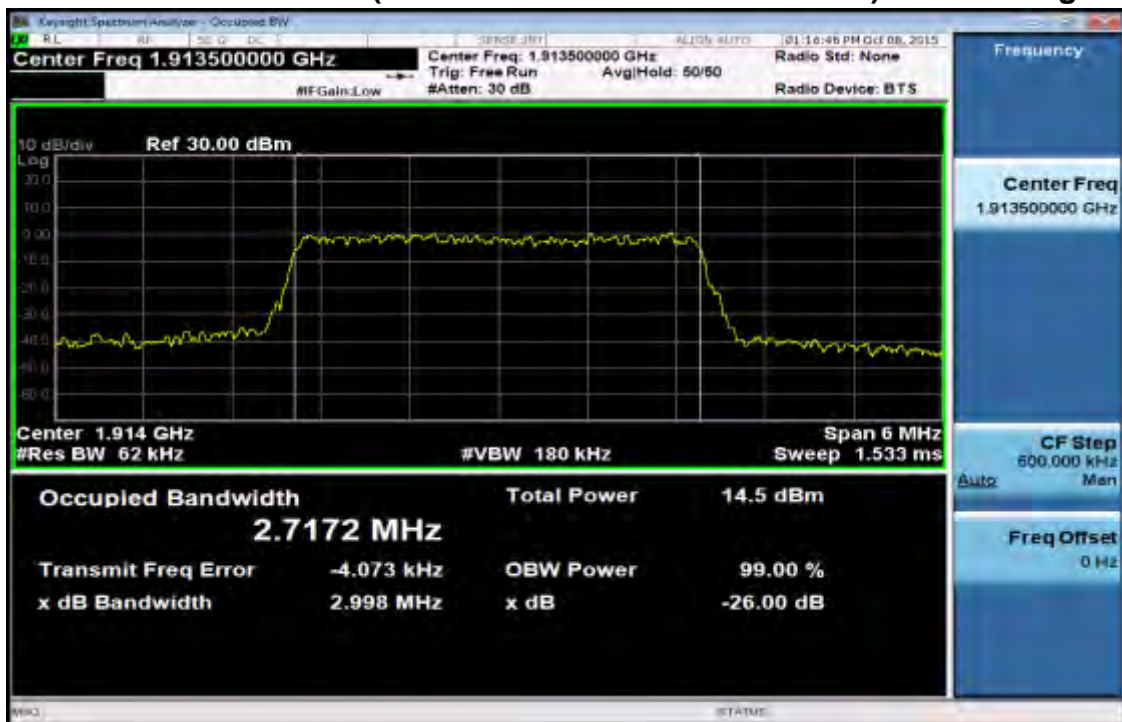
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3MHz BW LTE-Band 25(16QAM RB Number: 15 Offset: 0) Channel Mid



3MHz BW LTE-Band 25(16QAM RB Number: 15 Offset: 0) Channel High



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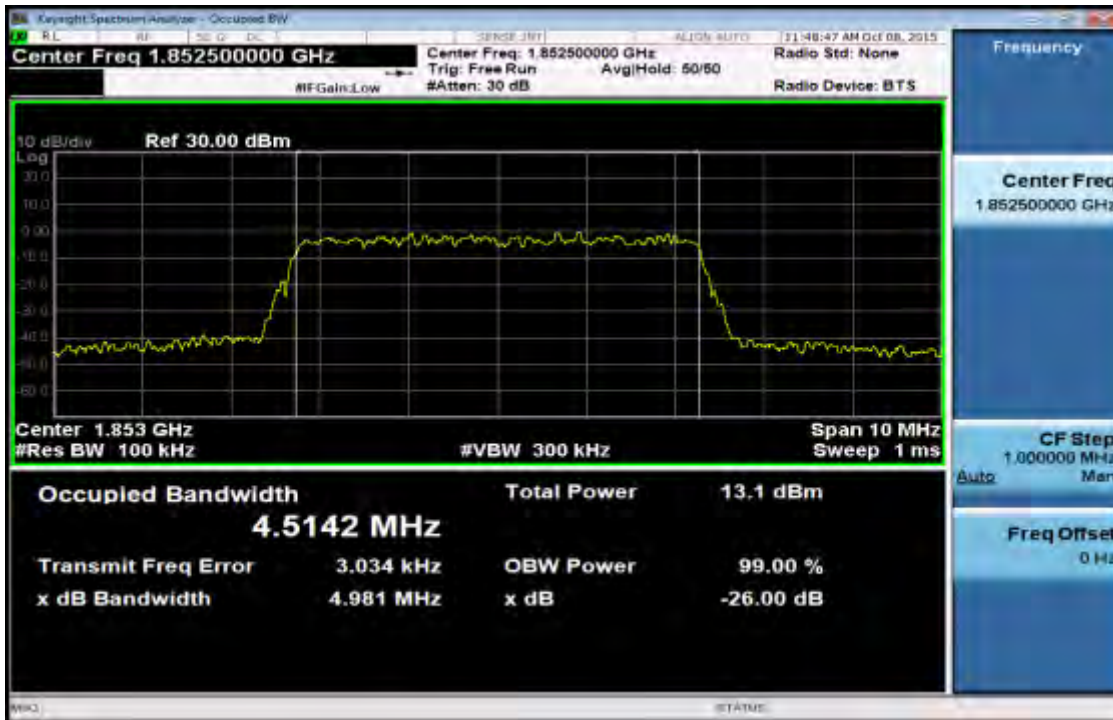
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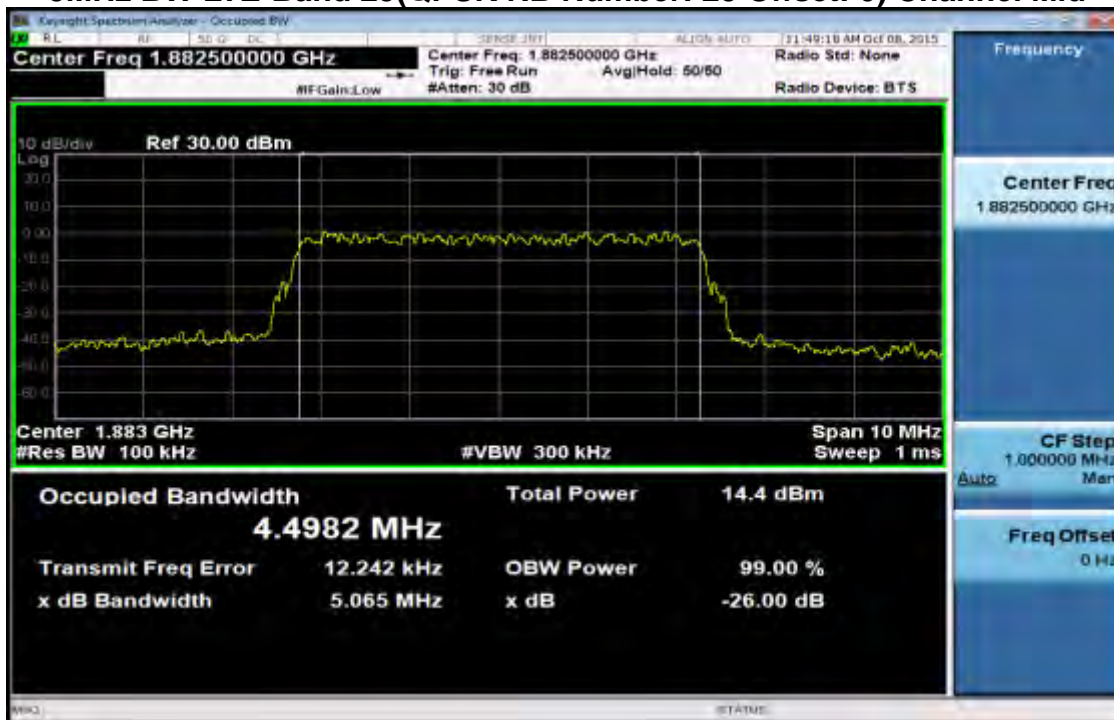
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5MHz BW LTE-Band 25(QPSK RB Number: 25 Offset: 0) Channel Low



5MHz BW LTE-Band 25(QPSK RB Number: 25 Offset: 0) Channel Mid



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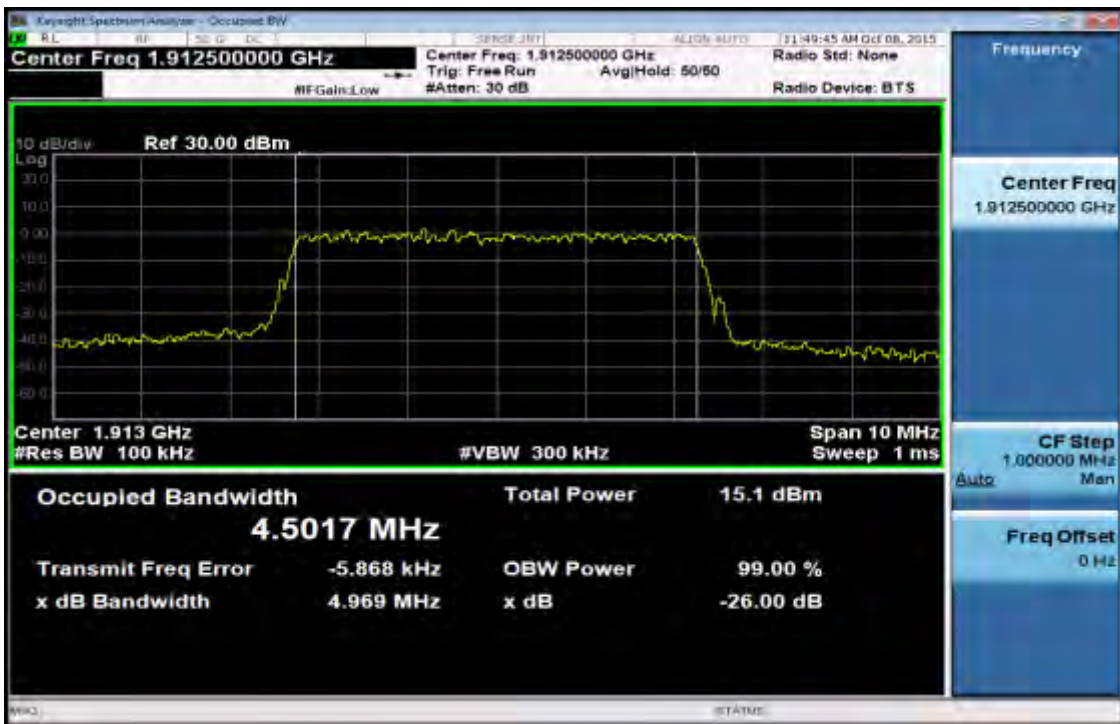
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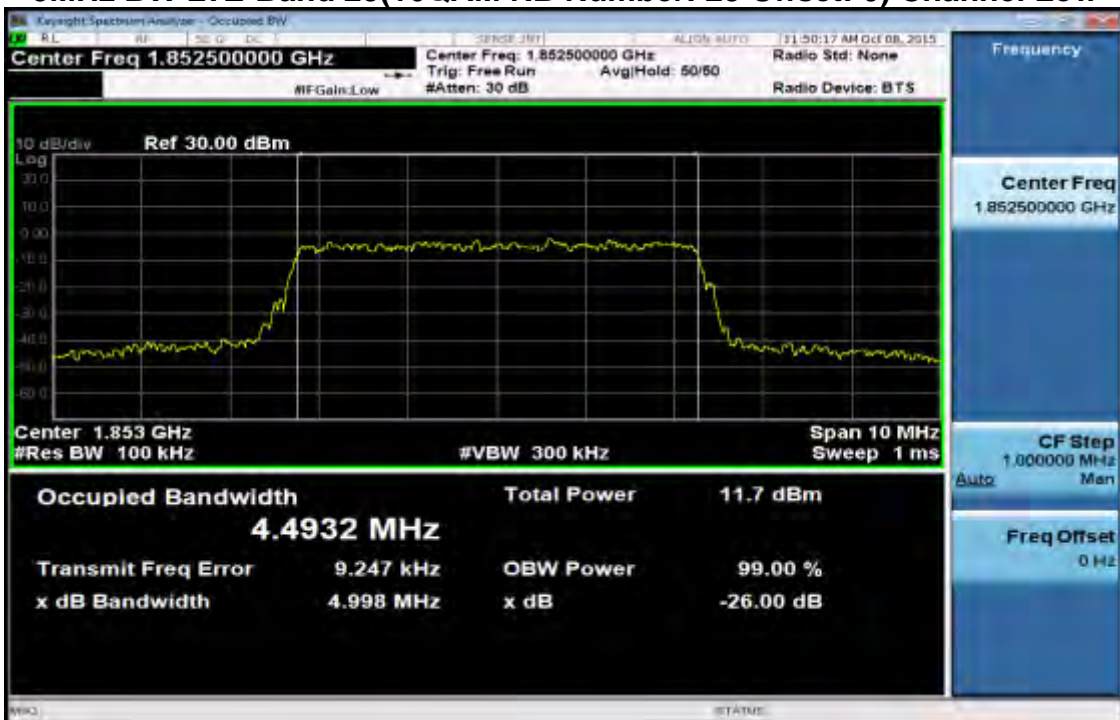
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5MHz BW LTE-Band 25(QPSK RB Number: 25 Offset: 0) Channel High



5MHz BW LTE-Band 25(16QAM RB Number: 25 Offset: 0) Channel Low



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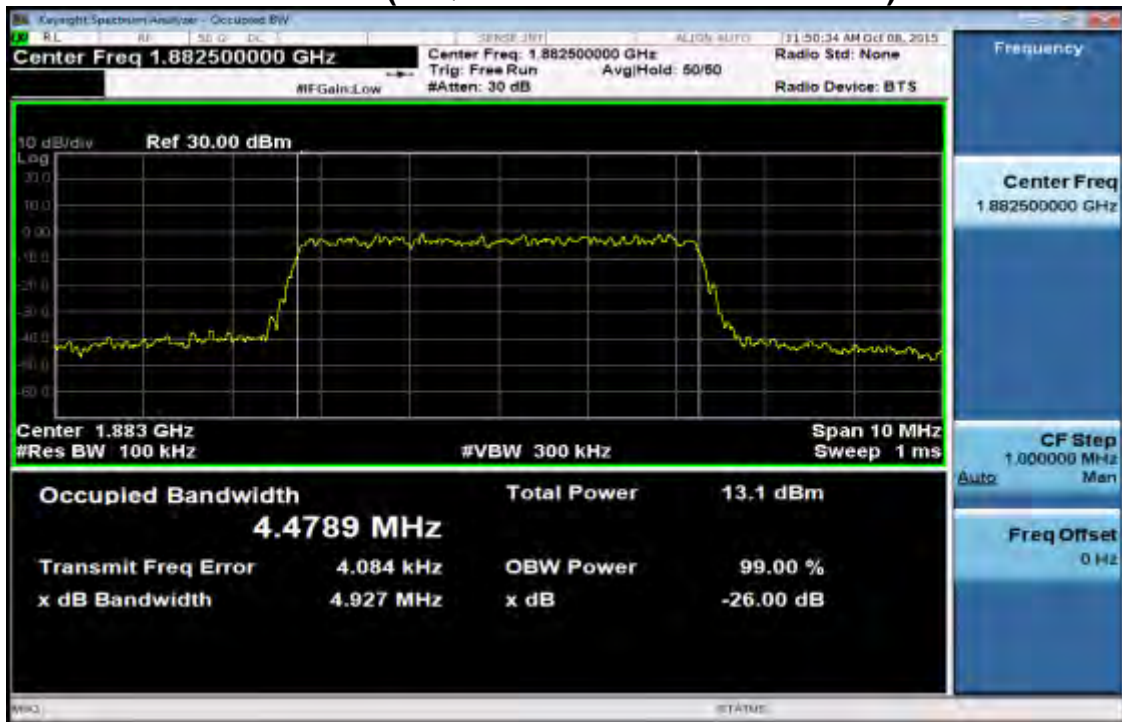
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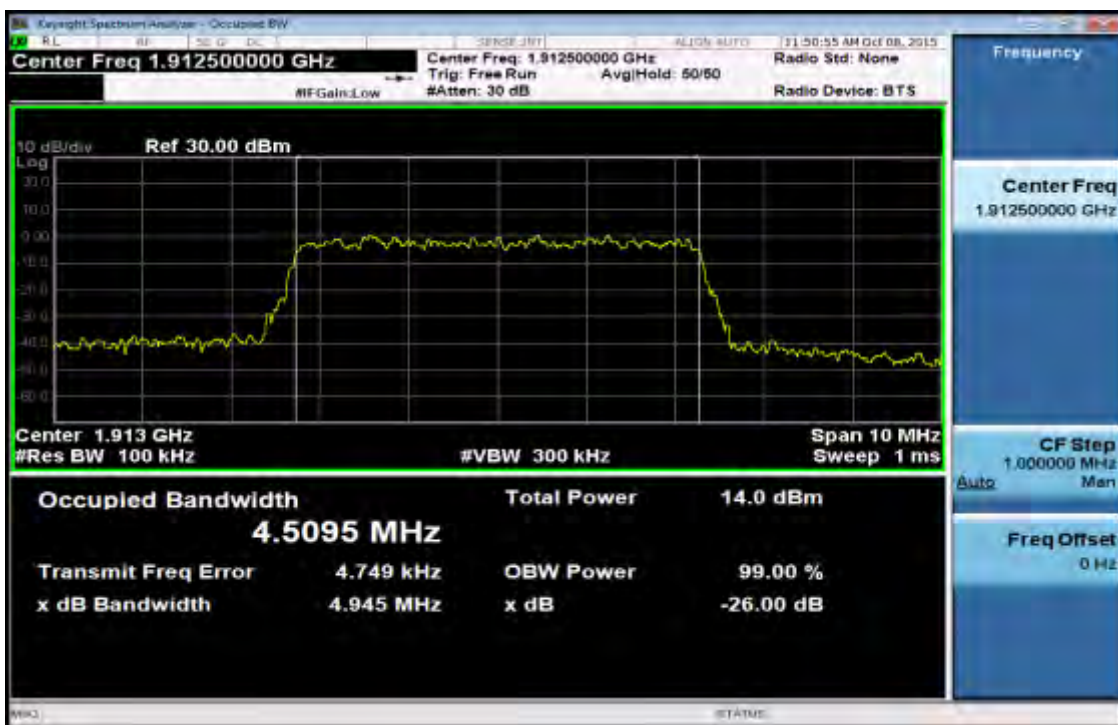
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5MHz BW LTE-Band 25(16QAM RB Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 25(16QAM RB Number: 25 Offset: 0) Channel High



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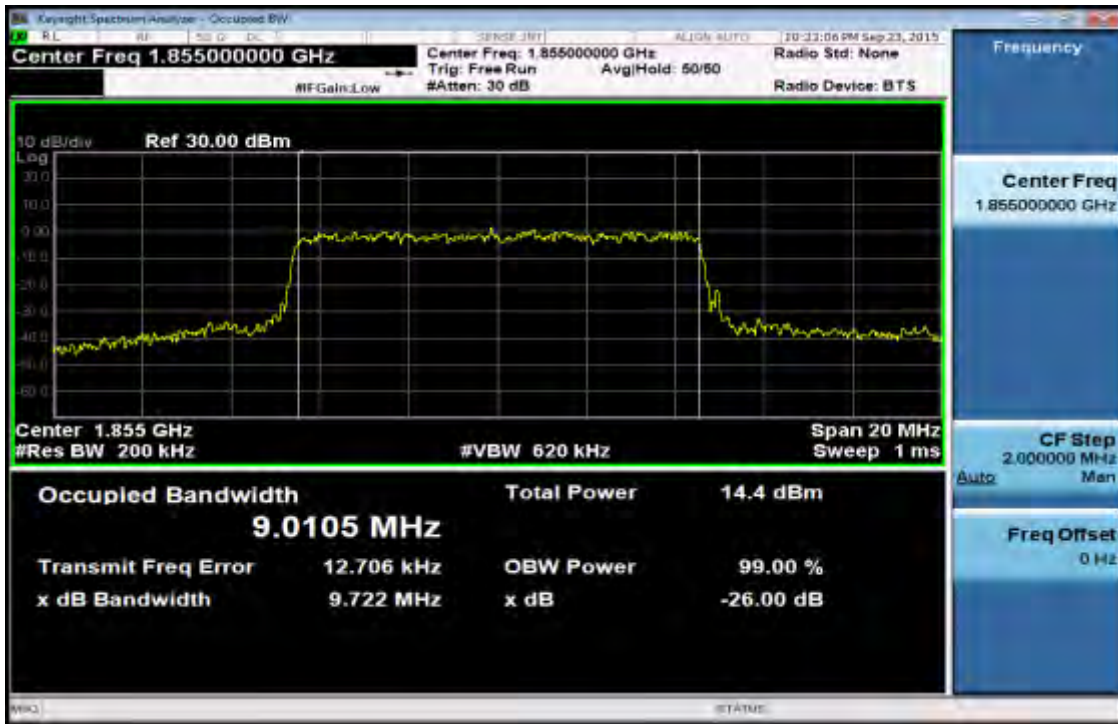
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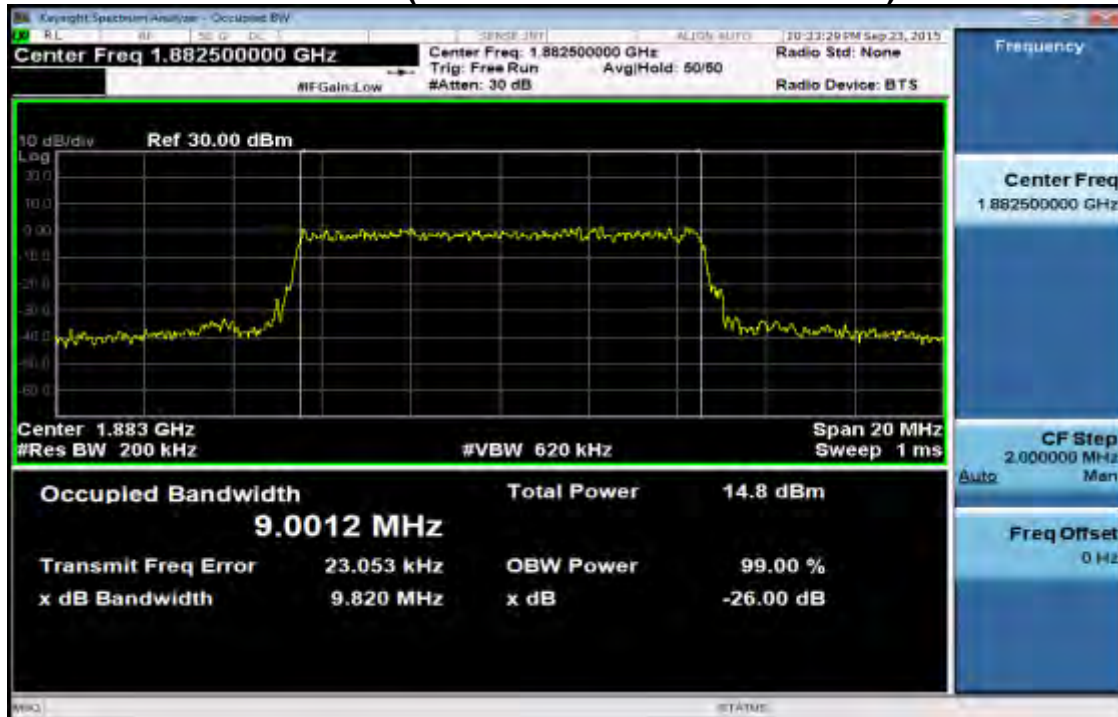
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10MHz BW LTE-Band 25(QPSK RB Number: 50 Offset: 0) Channel Low



10MHz BW LTE-Band 25(QPSK RB Number: 50 Offset: 0) Channel Mid



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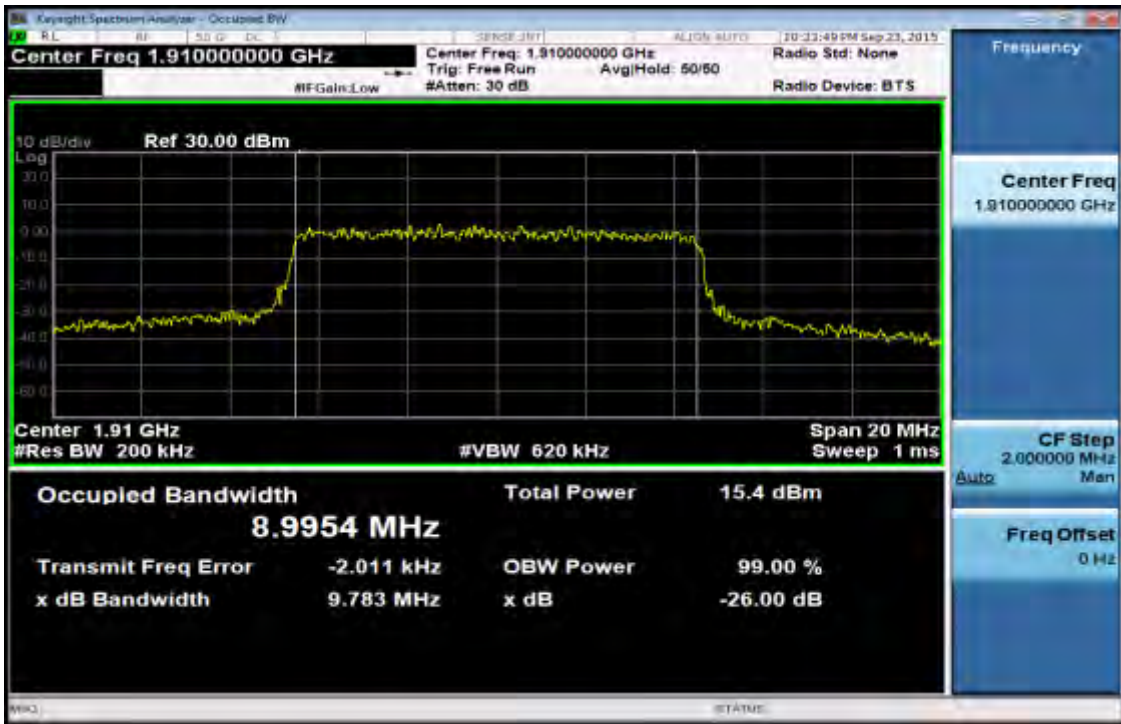
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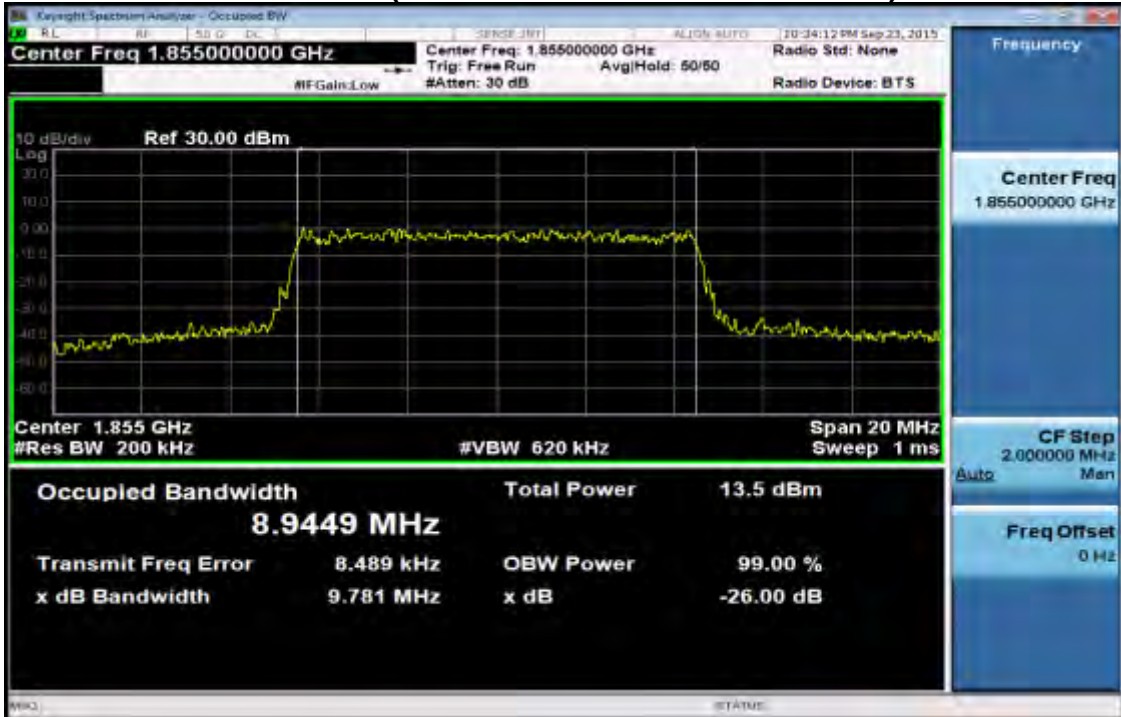
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10MHz BW LTE-Band 25(QPSK RB Number: 50 Offset: 0) Channel High



10MHz BW LTE-Band 25(16QAM RB Number: 50 Offset: 0) Channel Low



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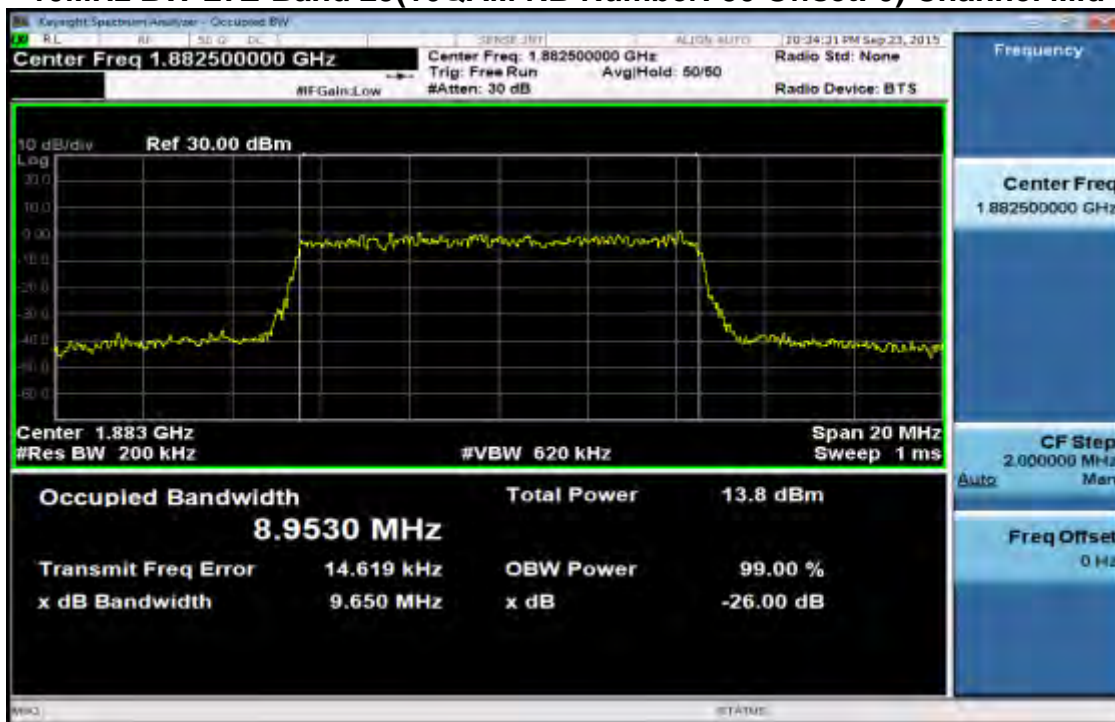
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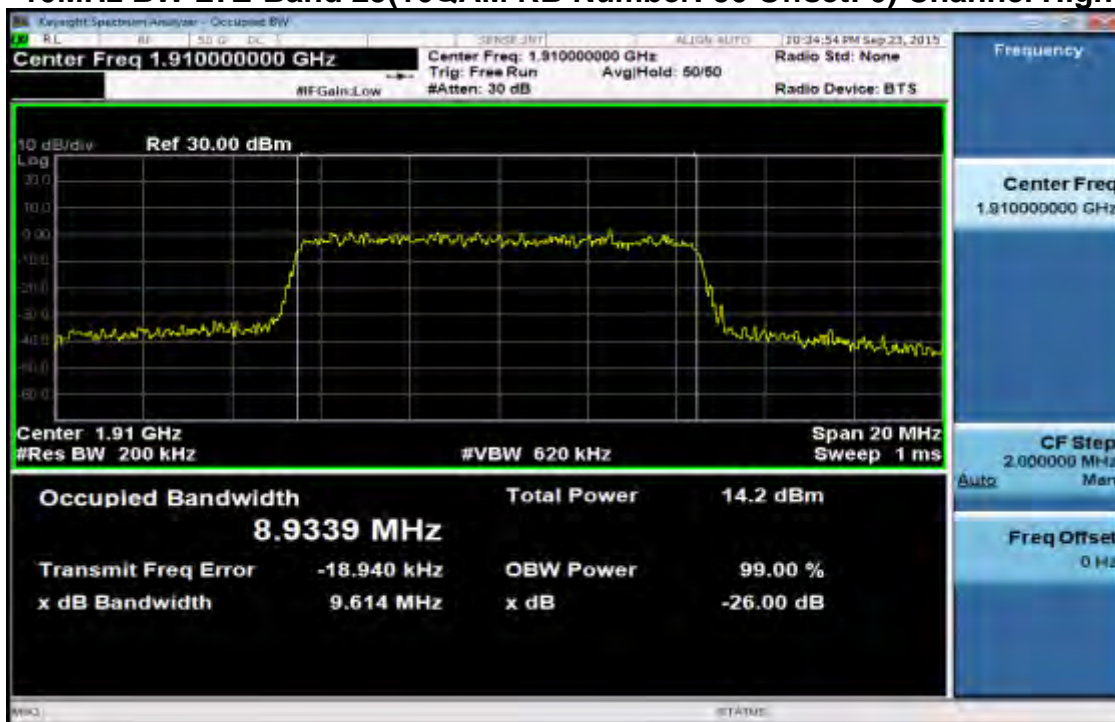
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10MHz BW LTE-Band 25(16QAM RB Number: 50 Offset: 0) Channel Mid



10MHz BW LTE-Band 25(16QAM RB Number: 50 Offset: 0) Channel High



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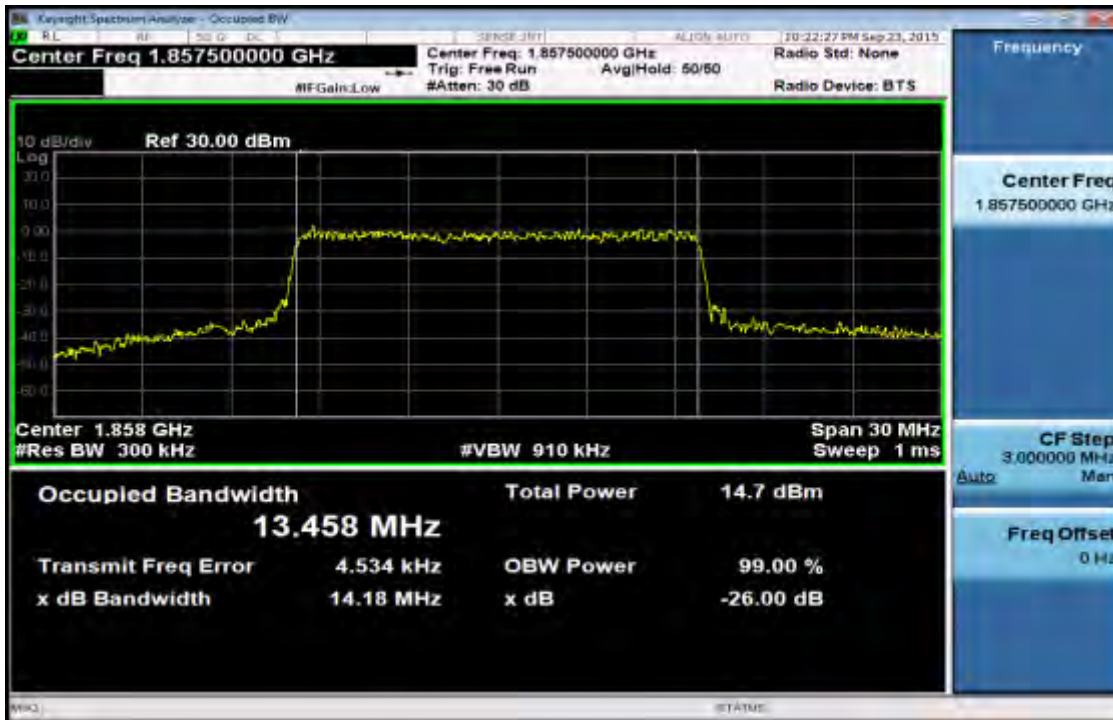
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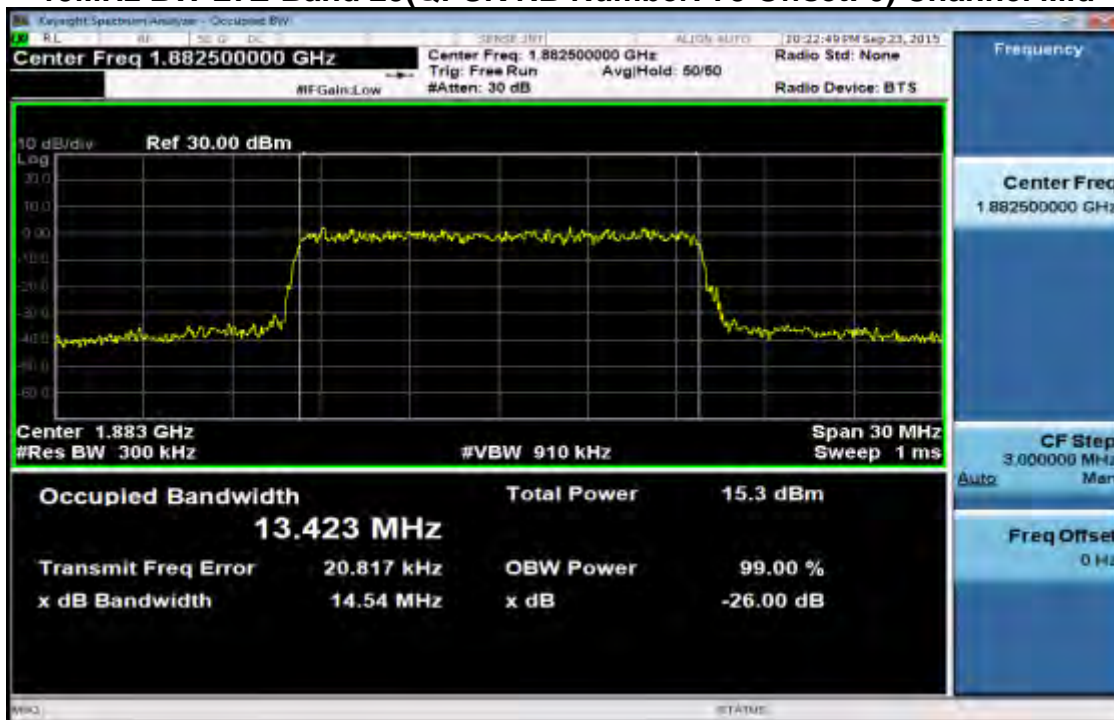
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15MHz BW LTE-Band 25(QPSK RB Number: 75 Offset: 0) Channel Low



15MHz BW LTE-Band 25(QPSK RB Number: 75 Offset: 0) Channel Mid



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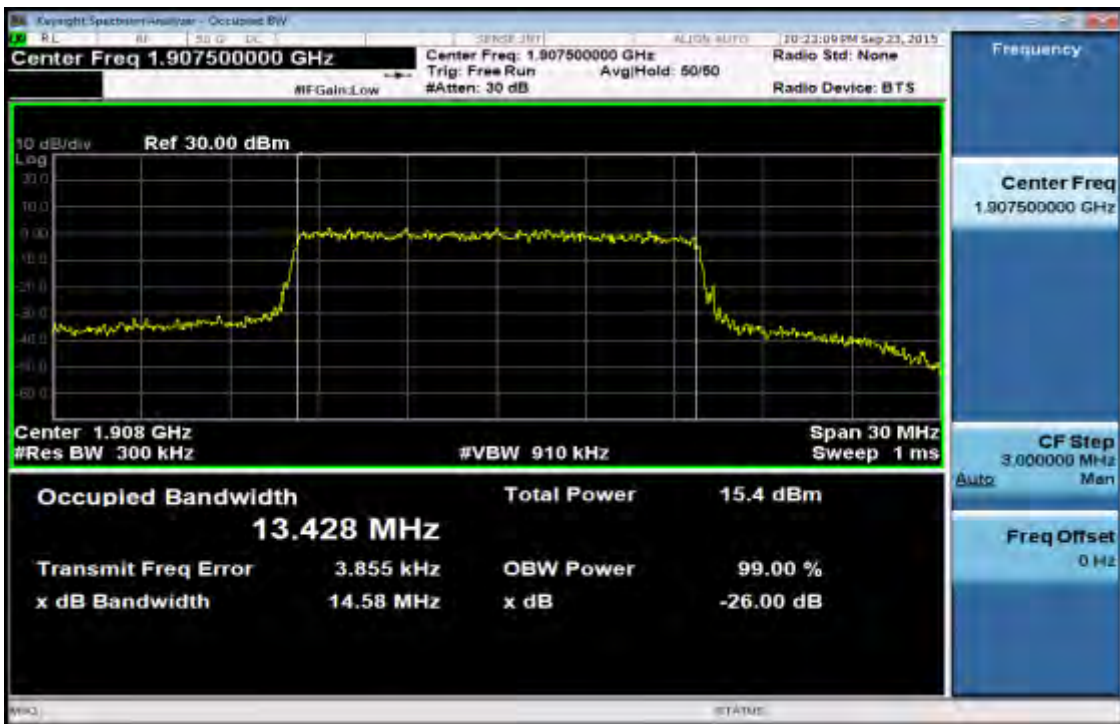
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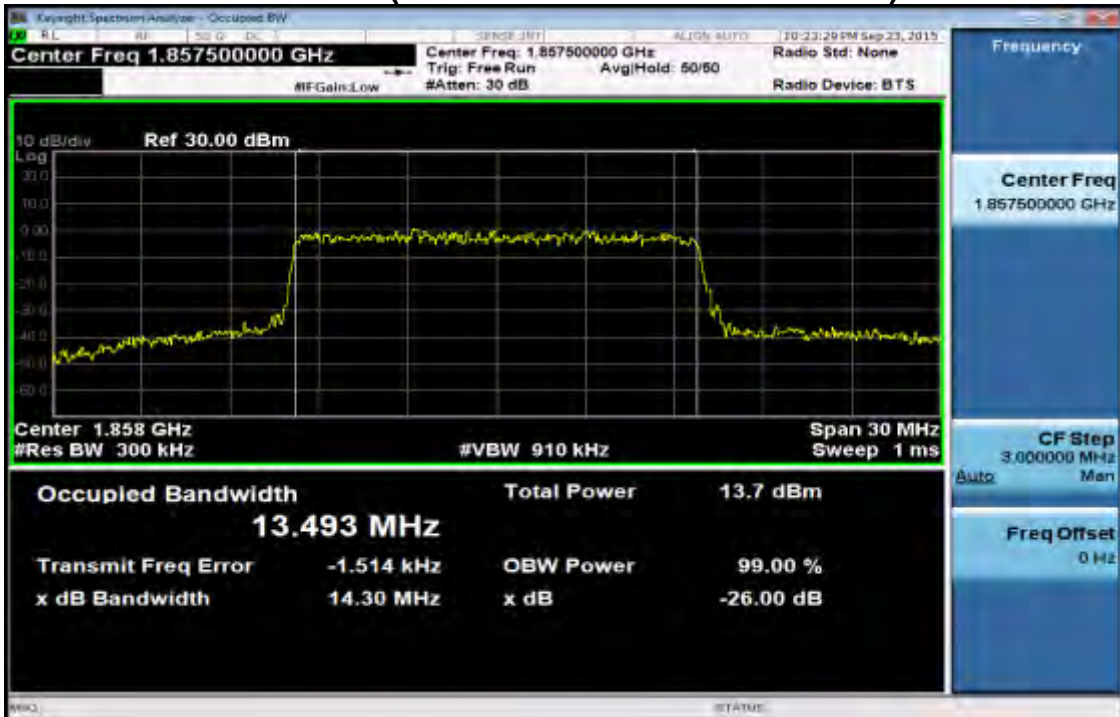
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15MHz BW LTE-Band 25(QPSK RB Number: 75 Offset: 0) Channel High



15MHz BW LTE-Band 25(16QAM RB Number: 75 Offset: 0) Channel Low



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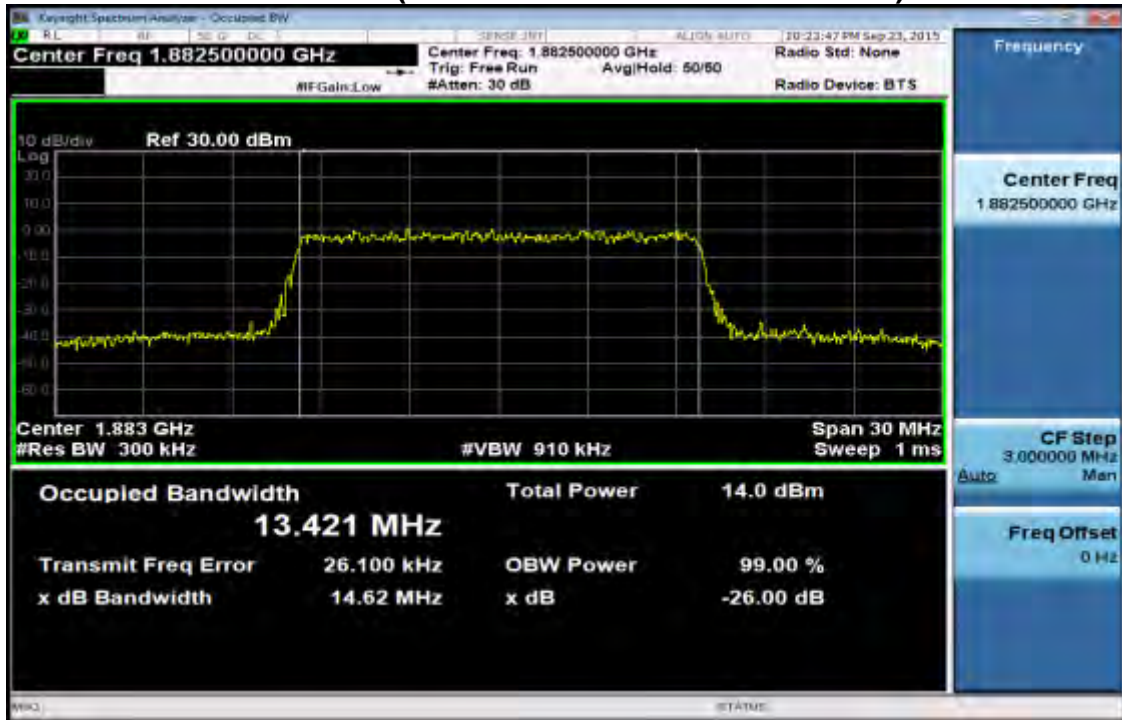
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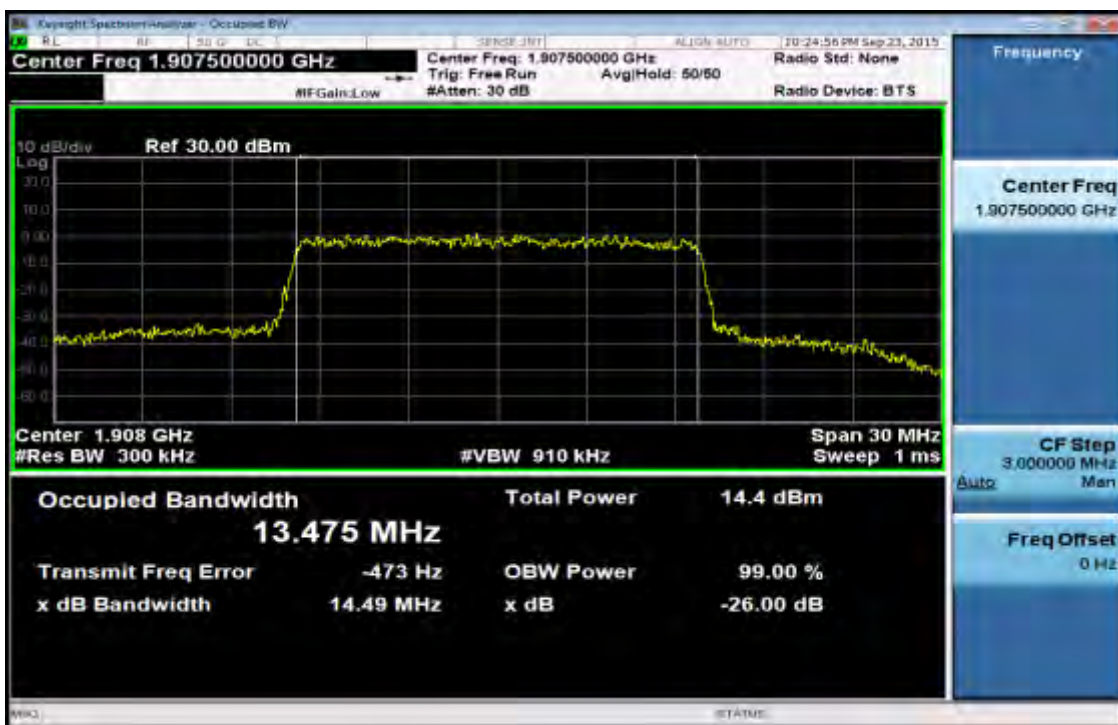
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15MHz BW LTE-Band 25(16QAM RB Number: 75 Offset: 0) Channel Mid



15MHz BW LTE-Band 25(16QAM RB Number: 75 Offset: 0) Channel High



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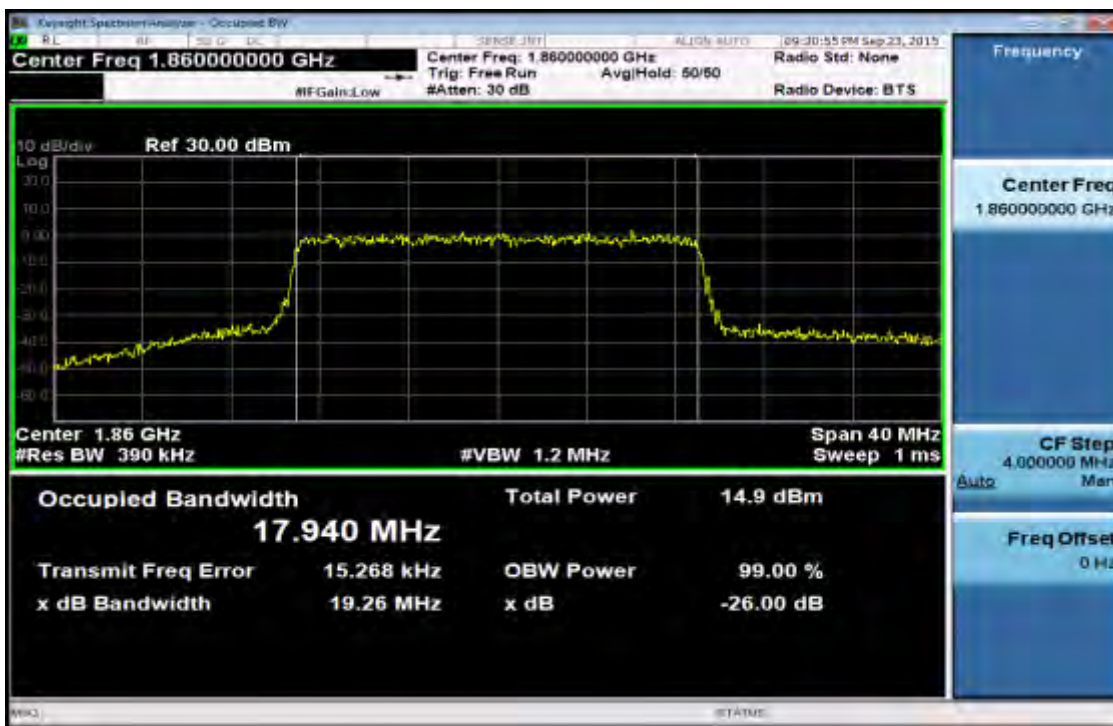
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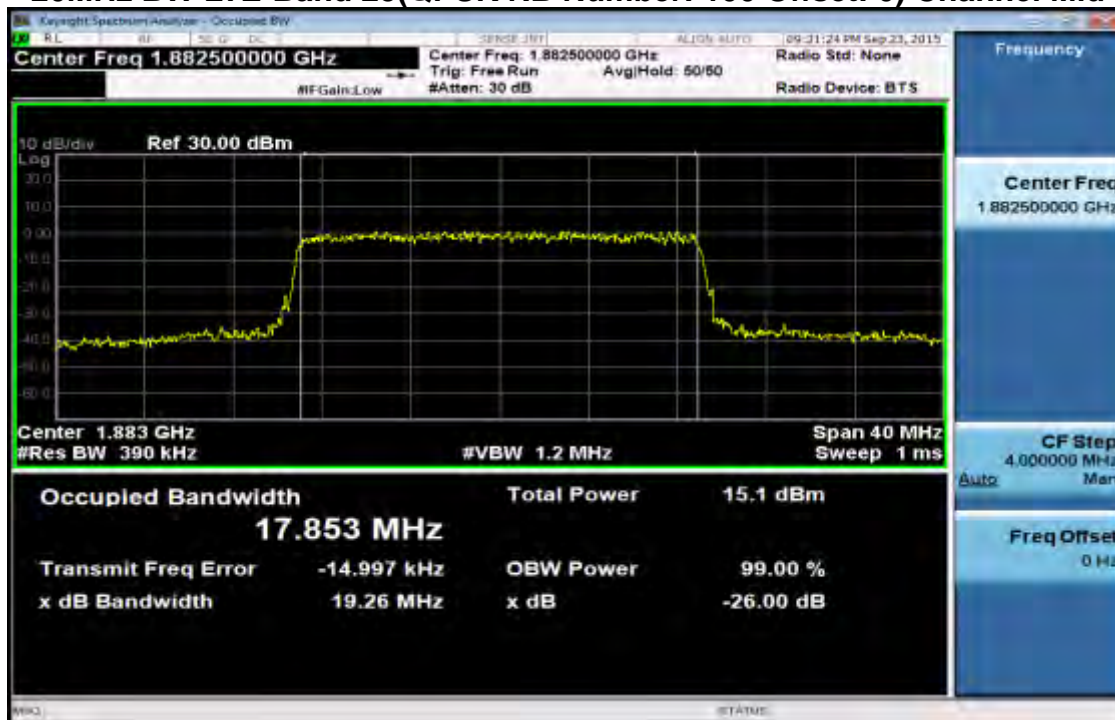
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20MHz BW LTE-Band 25(QPSK RB Number: 100 Offset: 0) Channel Low



20MHz BW LTE-Band 25(QPSK RB Number: 100 Offset: 0) Channel Mid



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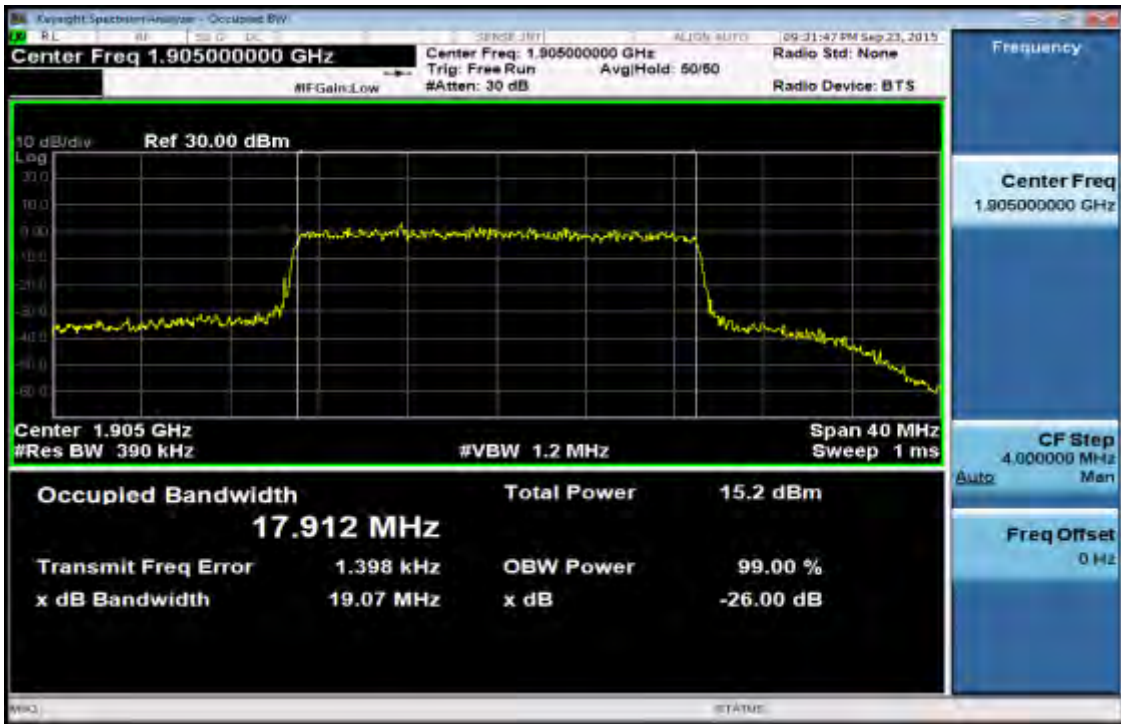
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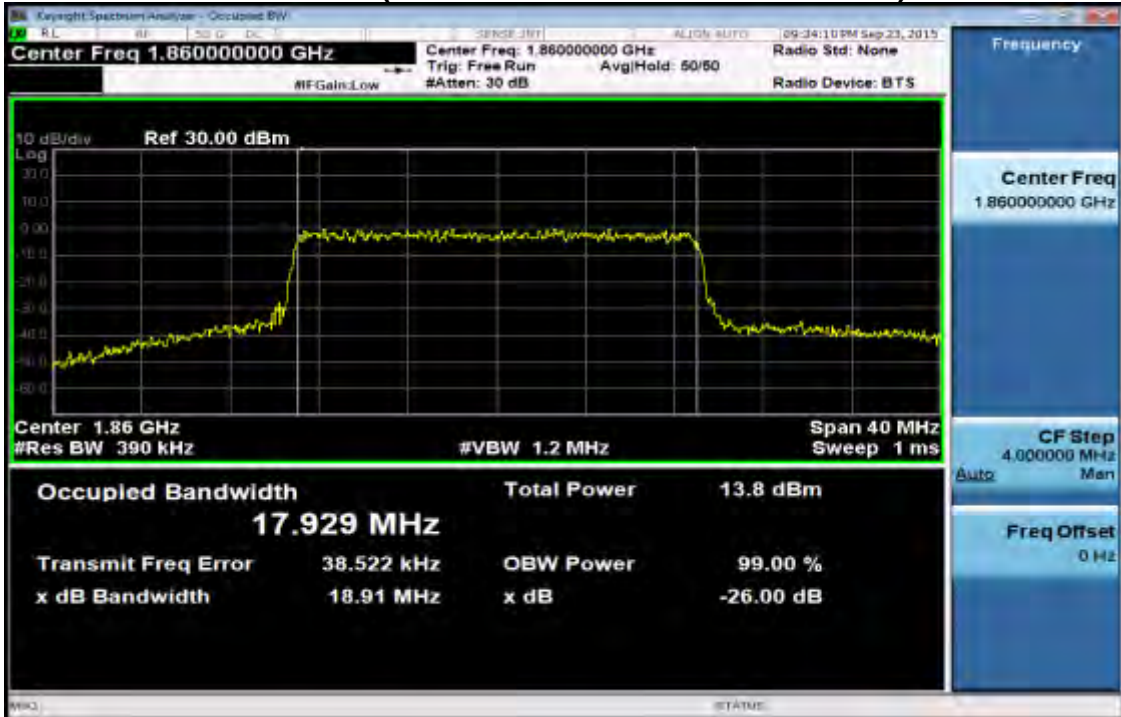
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20MHz BW LTE-Band 25(QPSK RB Number: 100 Offset: 0) Channel High



20MHz BW LTE-Band 25(16QAM RB Number: 100 Offset: 0) Channel Low



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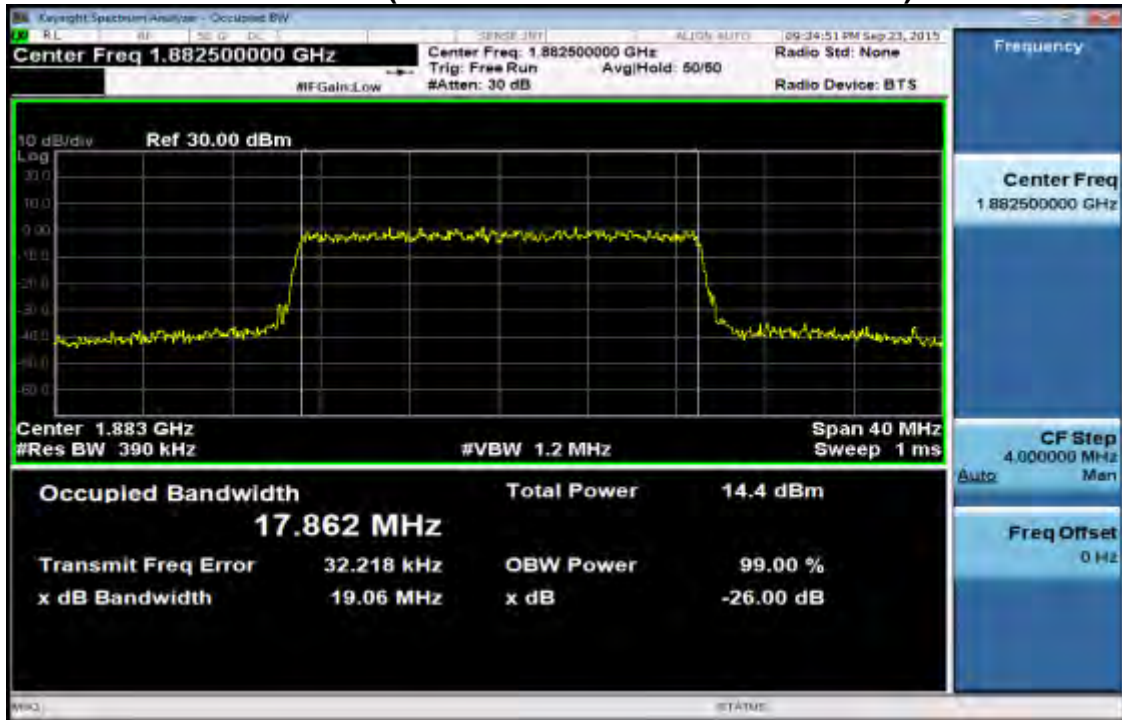
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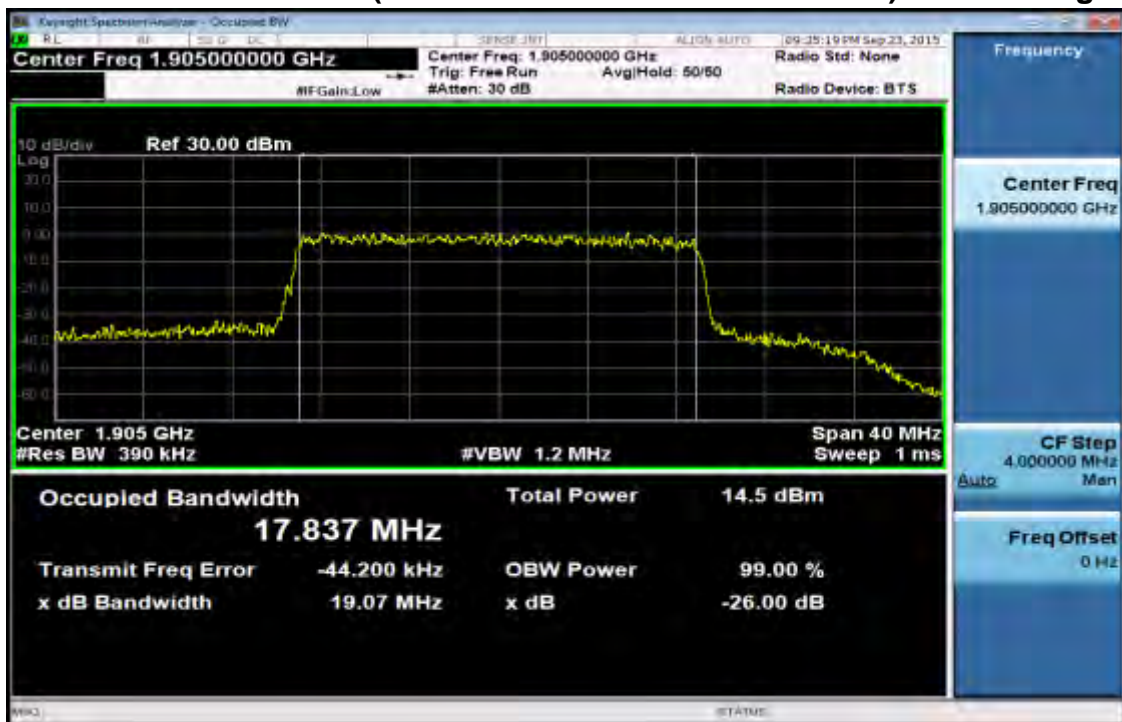
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20MHz BW LTE-Band 25(16QAM RB Number: 100 Offset: 0) Channel Mid



20MHz BW LTE-Band 25(16QAM RB Number: 100 Offset: 0) Channel High



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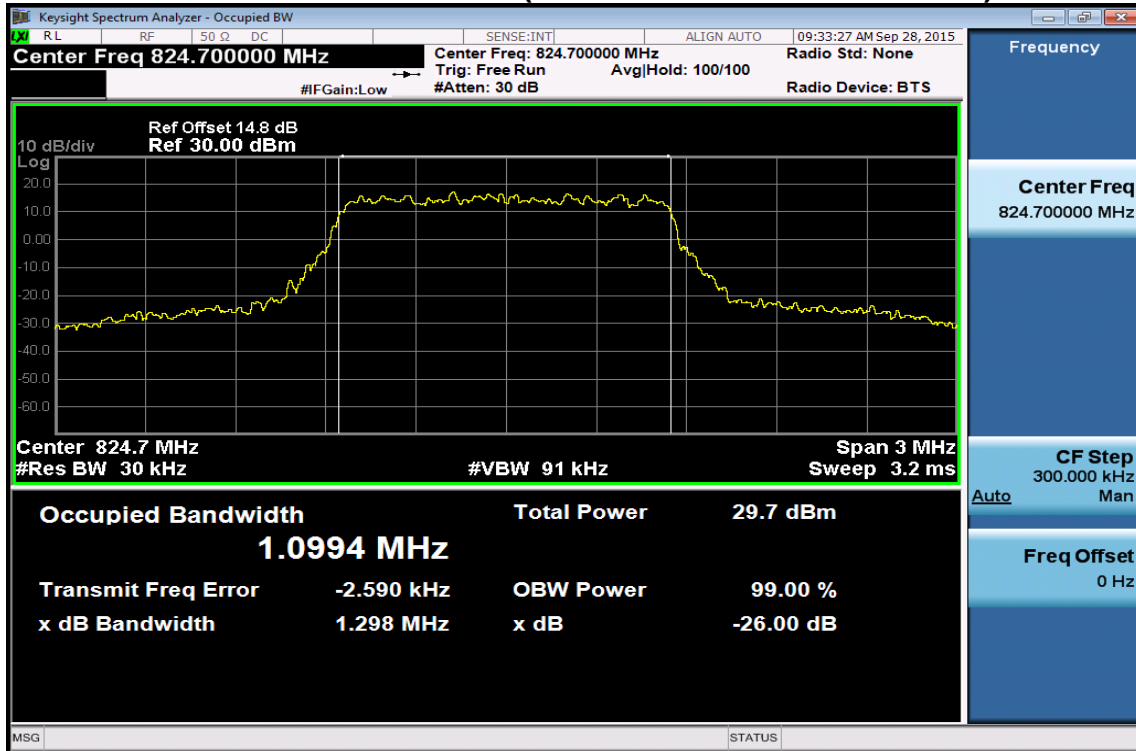
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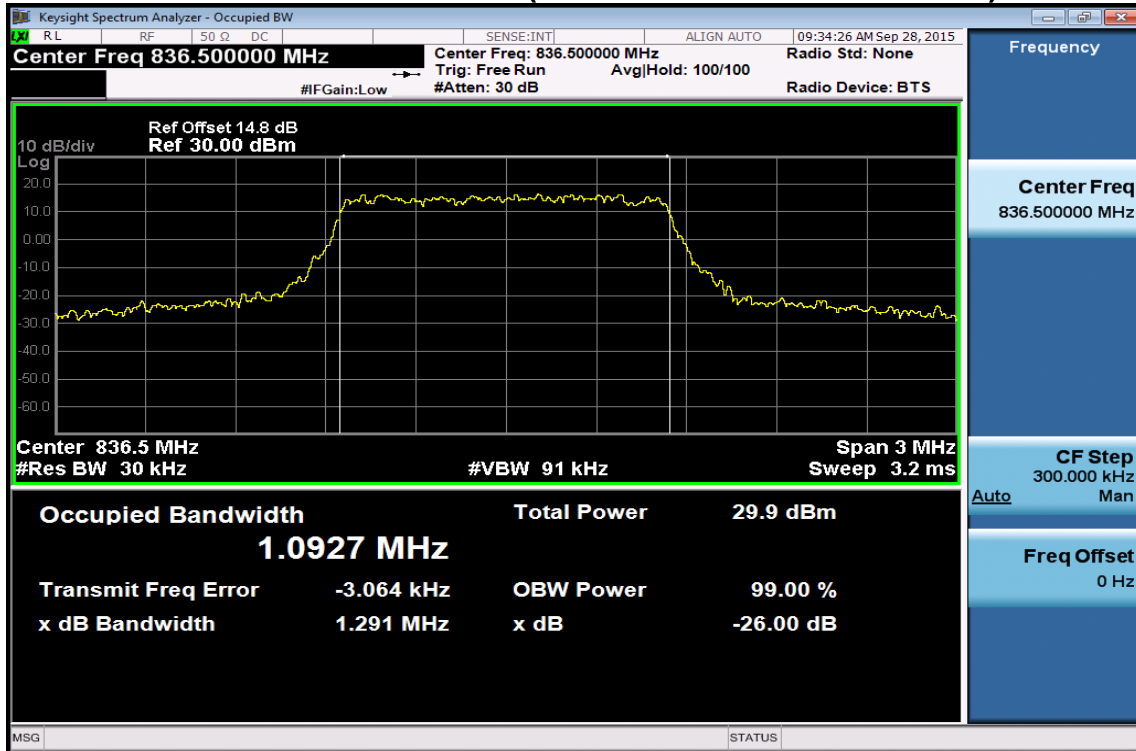
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1.4MHz BW LTE-Band 26 for Part 22 H(QPSK RB Number: 6 Offset: 0) Channel Low



1.4MHz BW LTE-Band 26 for Part 22 H(QPSK RB Number: 6 Offset: 0) Channel Mid



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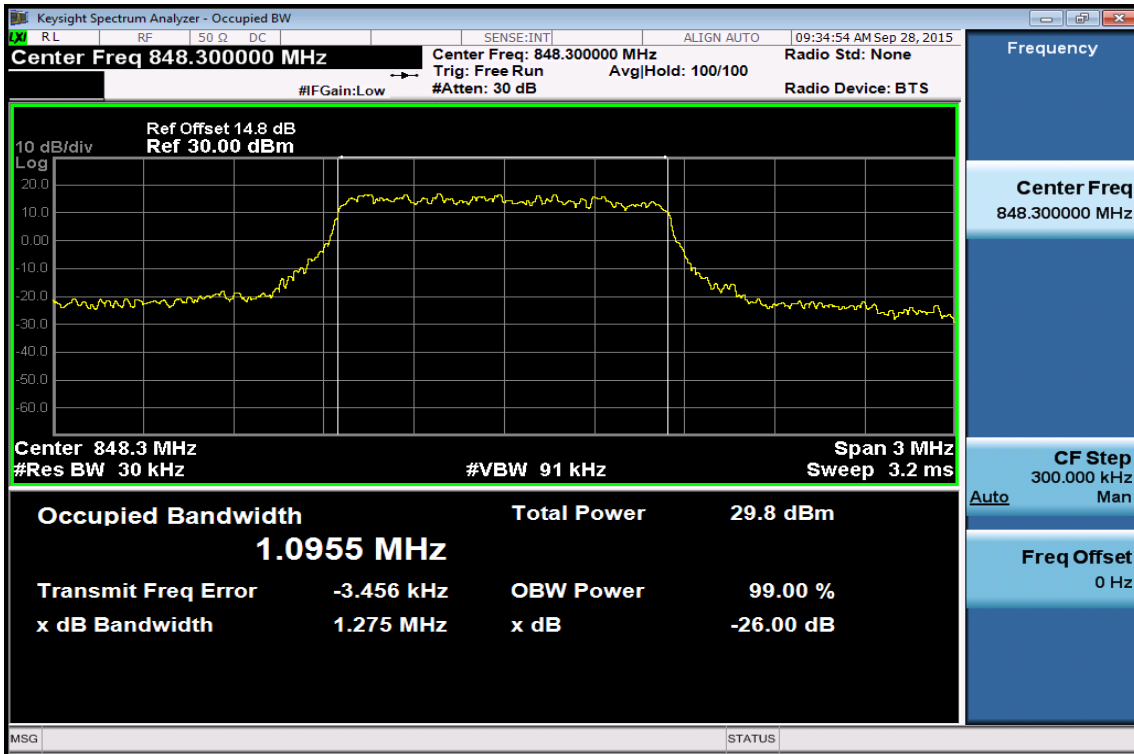
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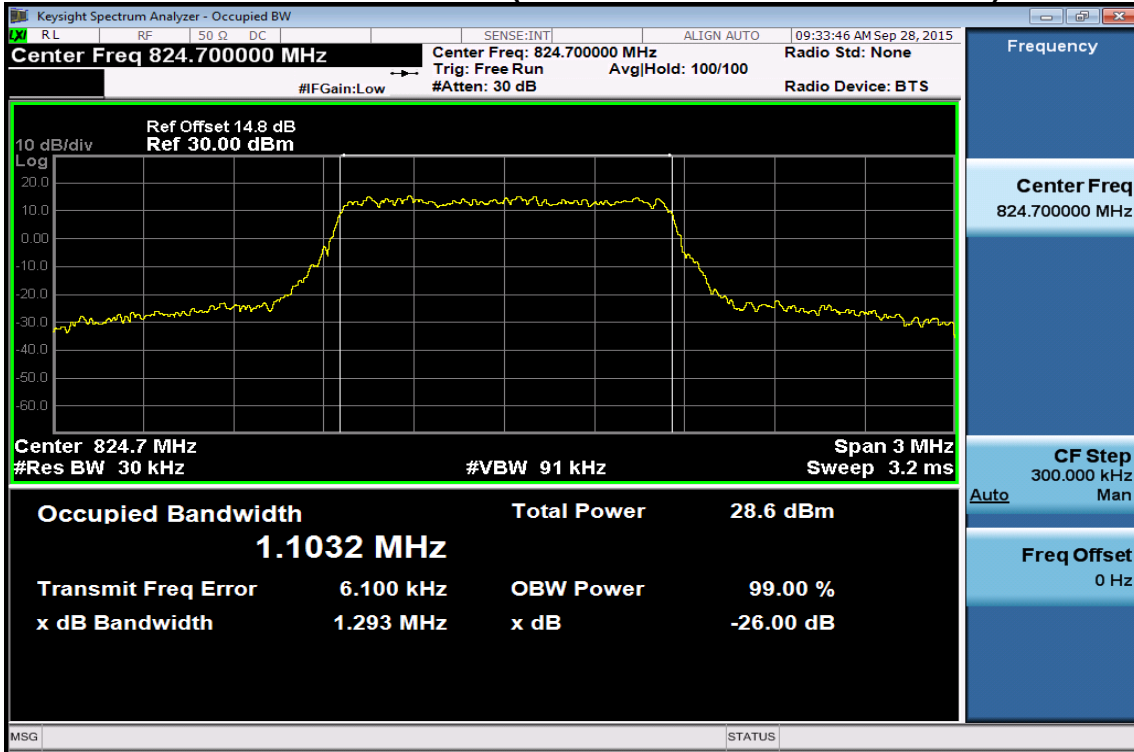
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1.4MHz BW LTE-Band 26 for Part 22 H(QPSK RB Number: 6 Offset: 0) Channel High



1.4MHz BW LTE-Band 26 for Part 22 H(16QAM RB Number: 6 Offset: 0) Channel Low

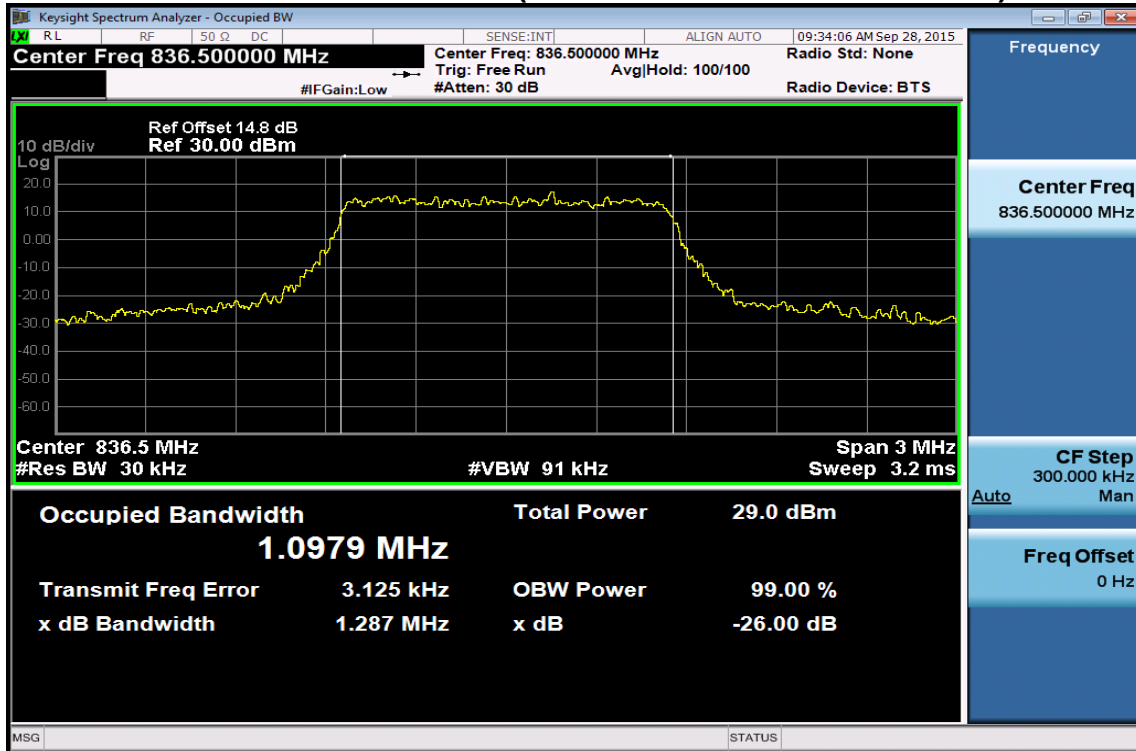


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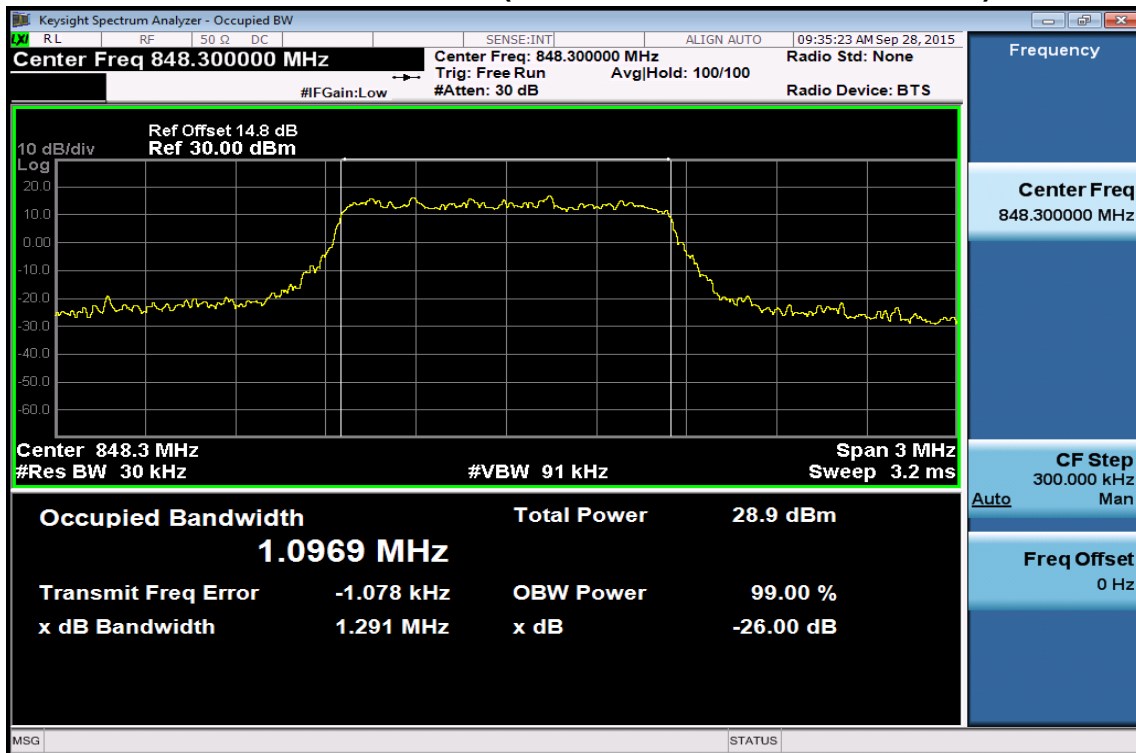
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1.4MHz BW LTE-Band 26 for Part 22 H(16QAM RB Number: 6 Offset: 0) Channel Mid



1.4MHz BW LTE-Band 26 for Part 22 H(16QAM RB Number: 6 Offset: 0) Channel High

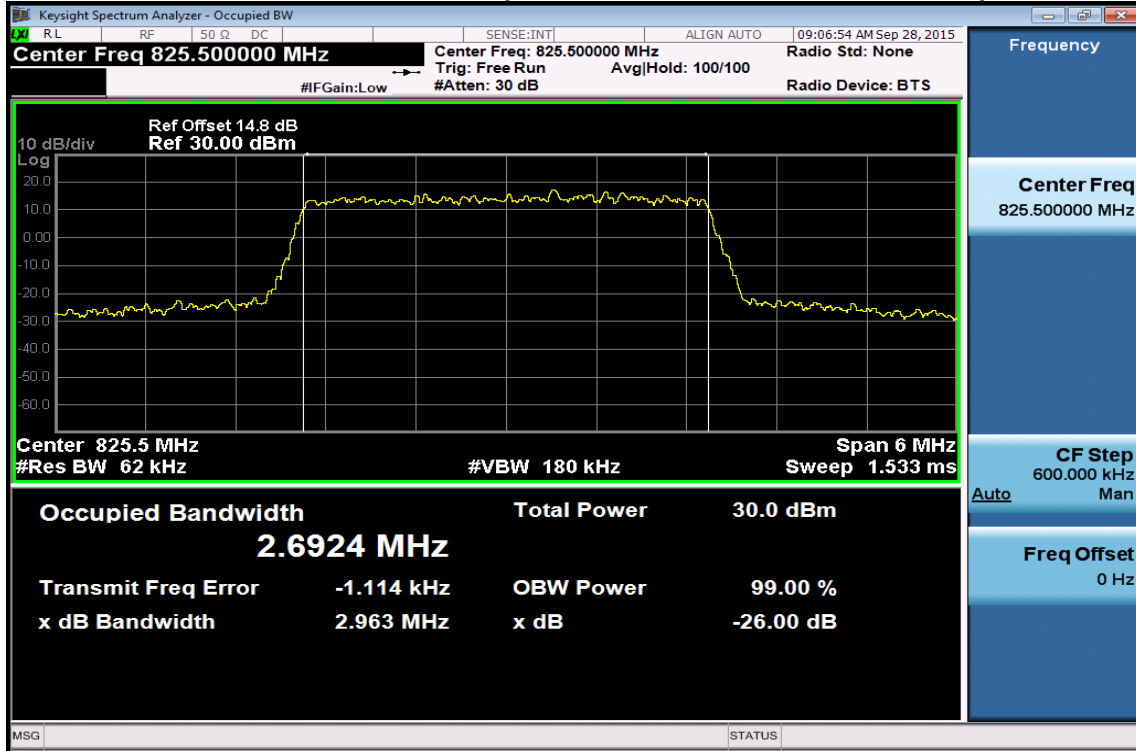


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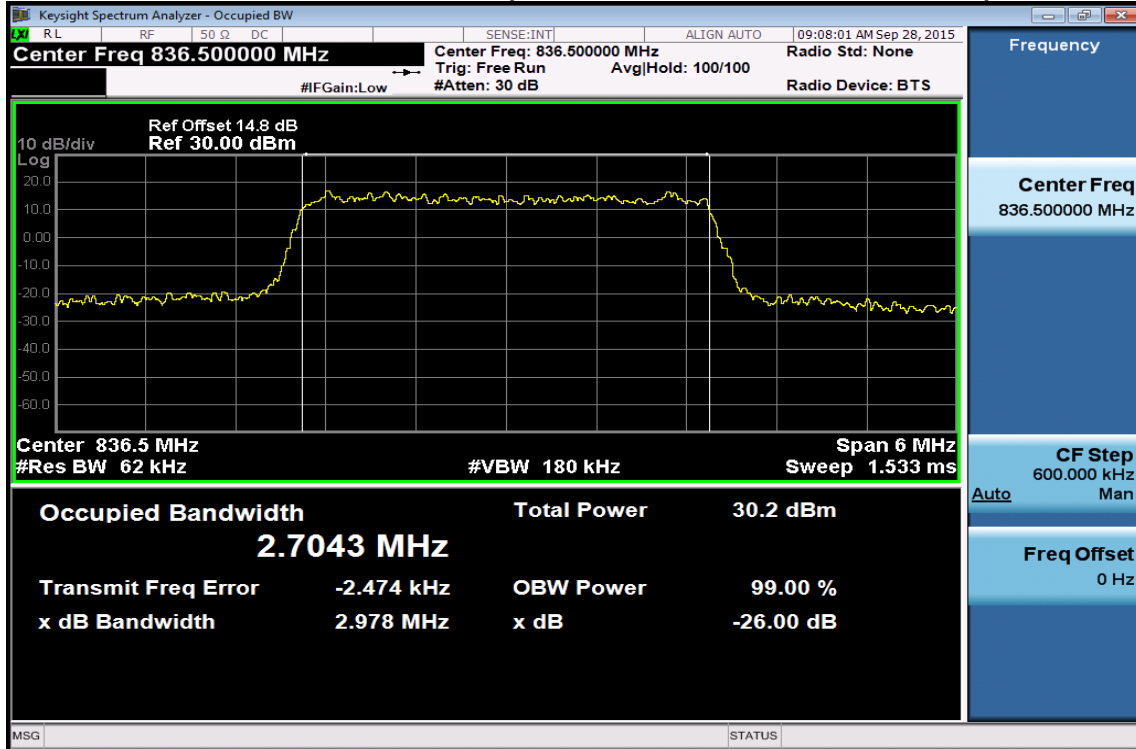
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3MHz BW LTE-Band 26 for Part 22 H(QPSK RB Number: 15 Offset: 0) Channel Low



3MHz BW LTE-Band 26 for Part 22 H(QPSK RB Number: 15 Offset: 0) Channel Mid



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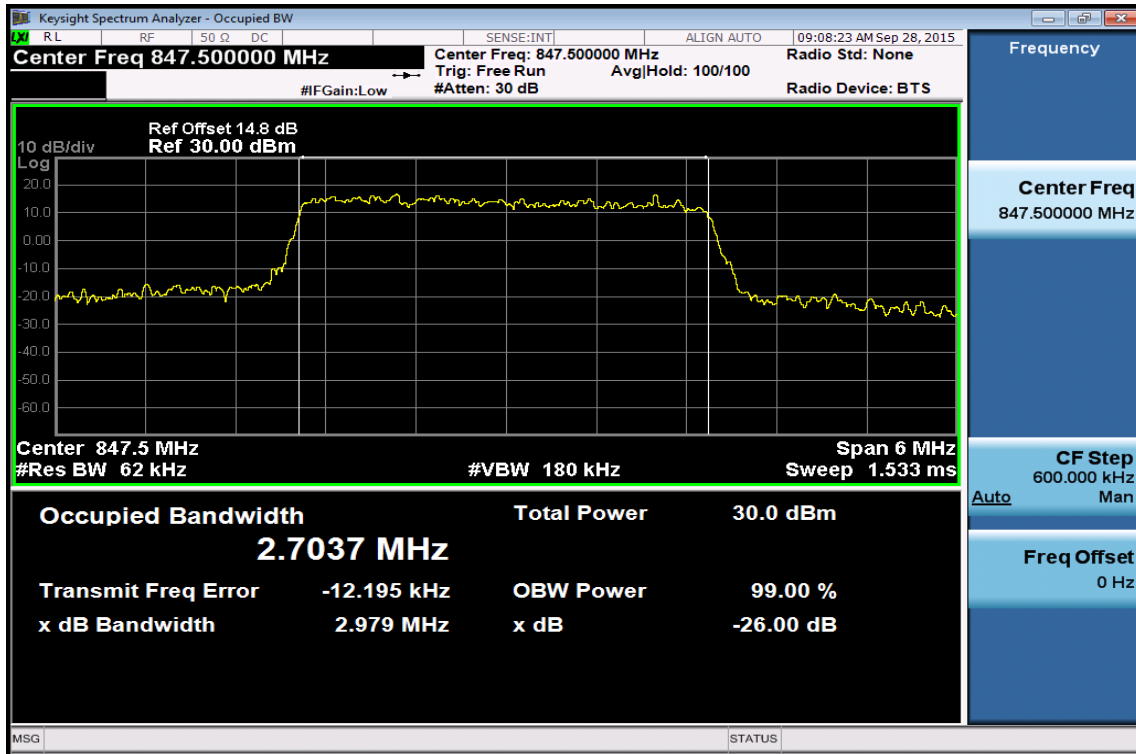
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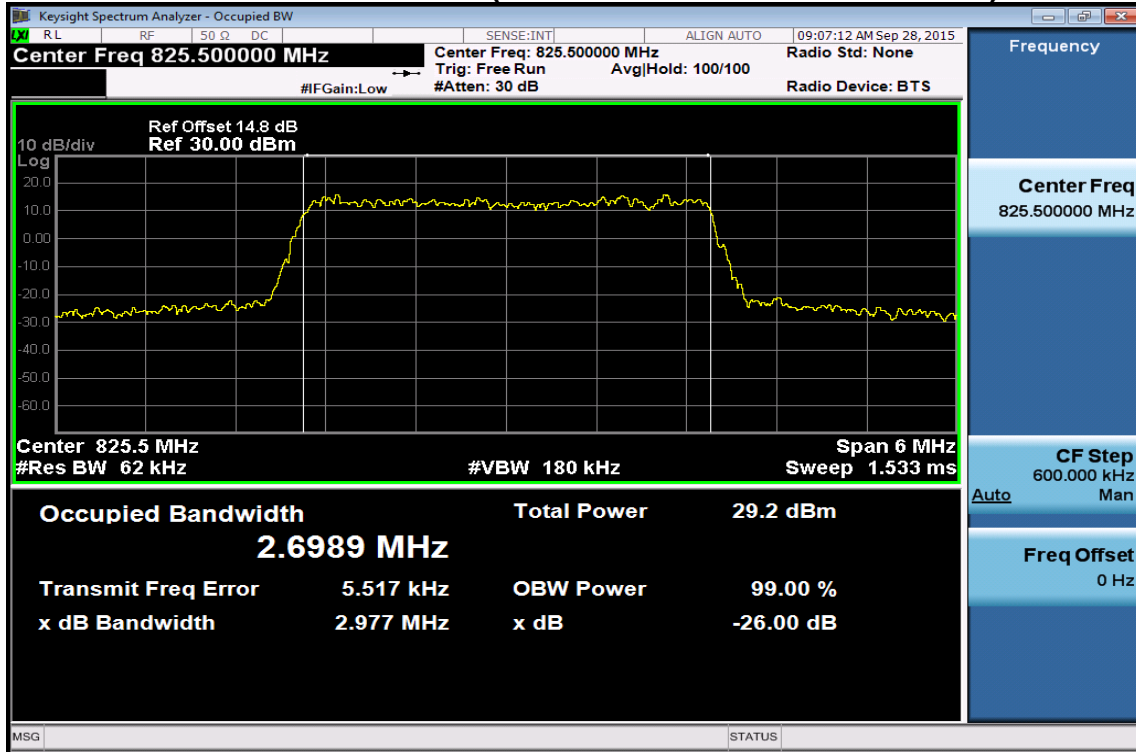
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3MHz BW LTE-Band 26 for Part 22 H(QPSK RB Number: 15 Offset: 0) Channel High



3MHz BW LTE-Band 26 for Part 22 H(16QAM RB Number: 15 Offset: 0) Channel Low

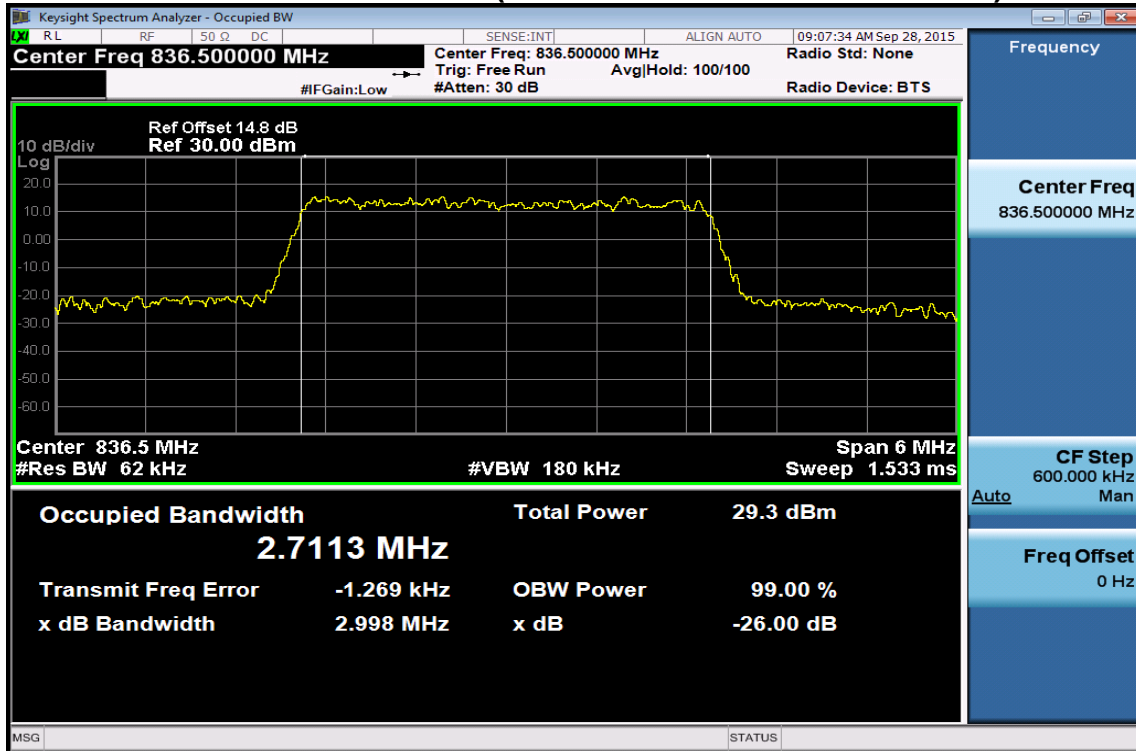


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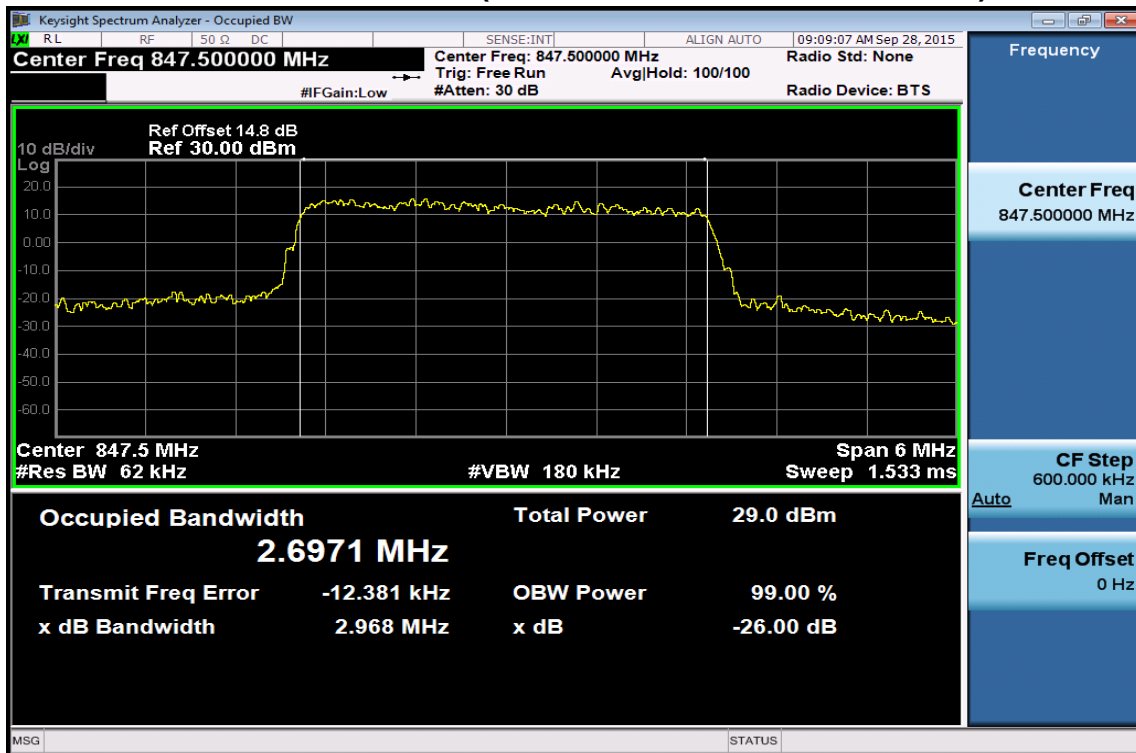
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3MHz BW LTE-Band 26 for Part 22 H(16QAM RB Number: 15 Offset: 0) Channel Mid



3MHz BW LTE-Band 26 for Part 22 H(16QAM RB Number: 15 Offset: 0) Channel High

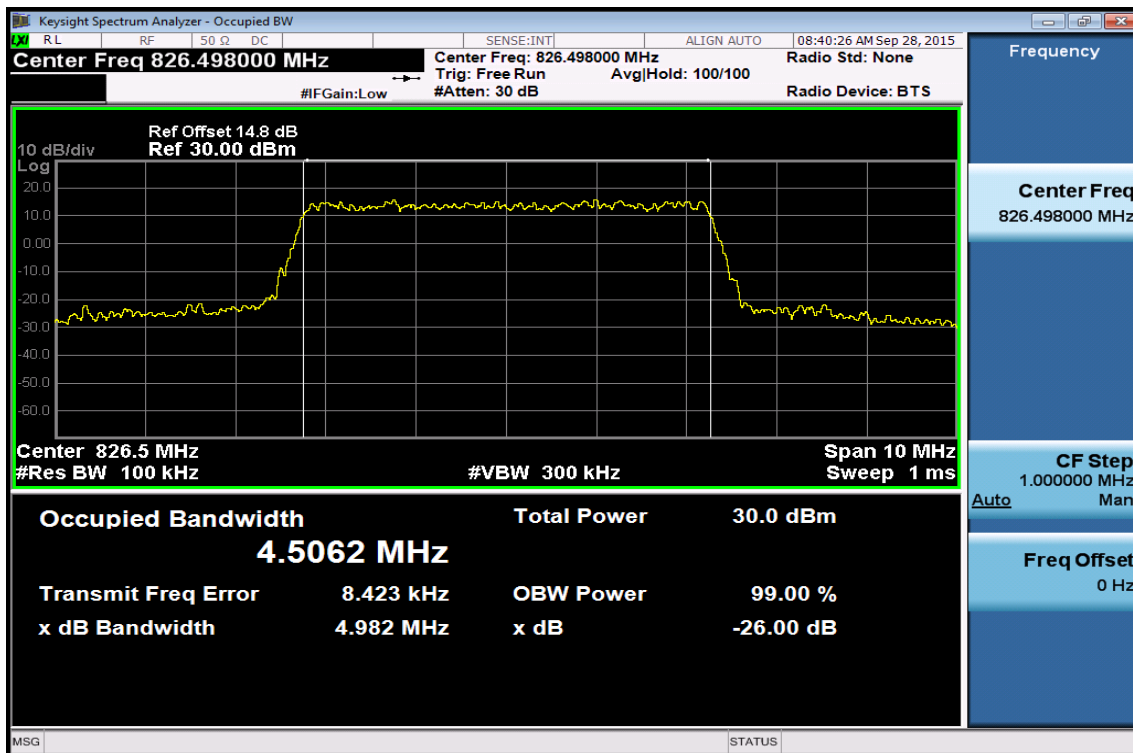


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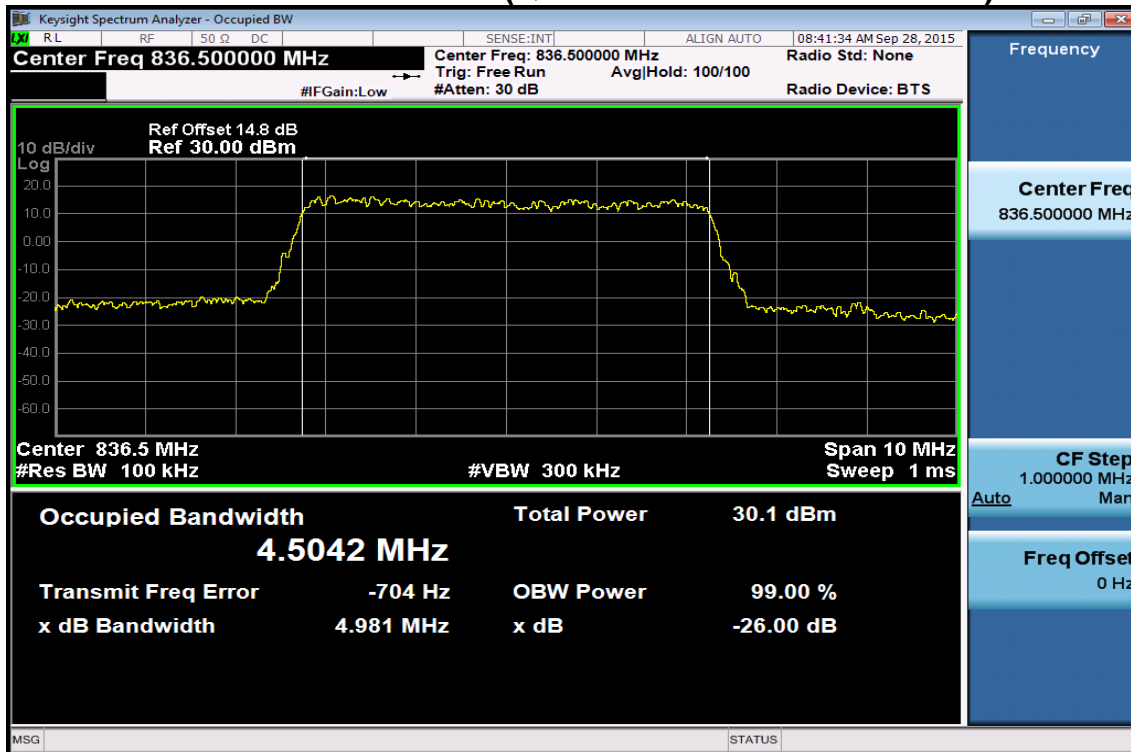
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5MHz BW LTE-Band 26 for Part 22 H(QPSK RB Number: 25 Offset: 0) Channel Low



5MHz BW LTE-Band 26 for Part 22 H(QPSK RB Number: 25 Offset: 0) Channel Mid

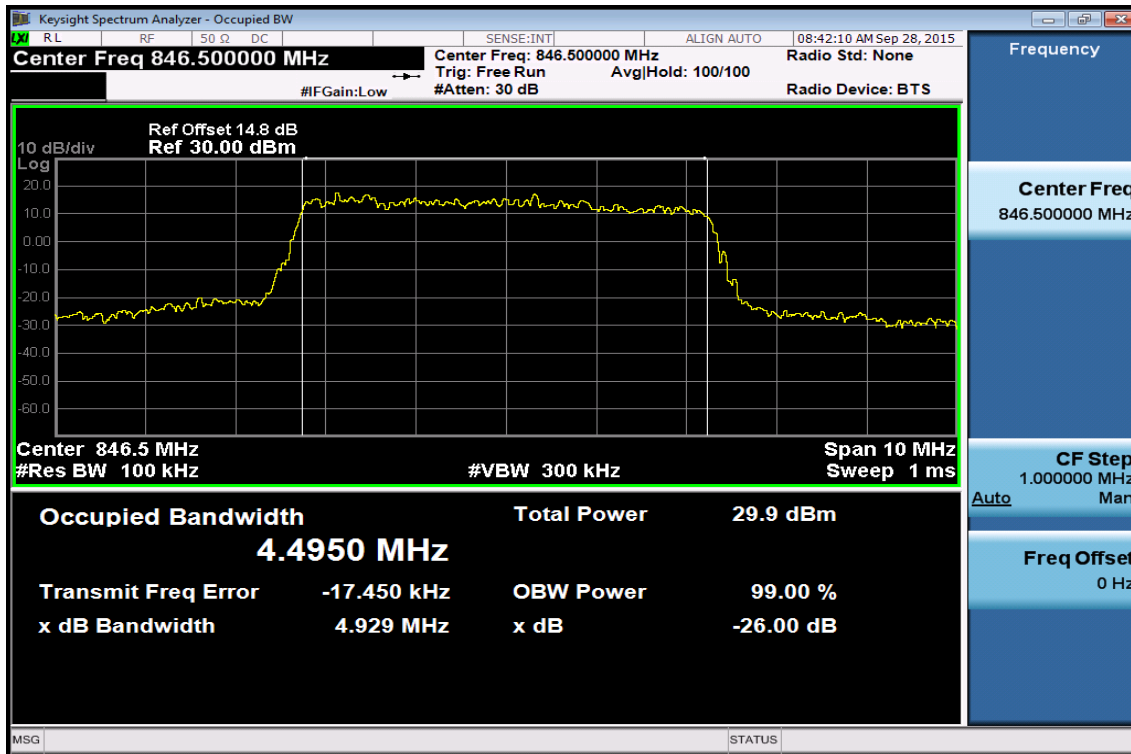


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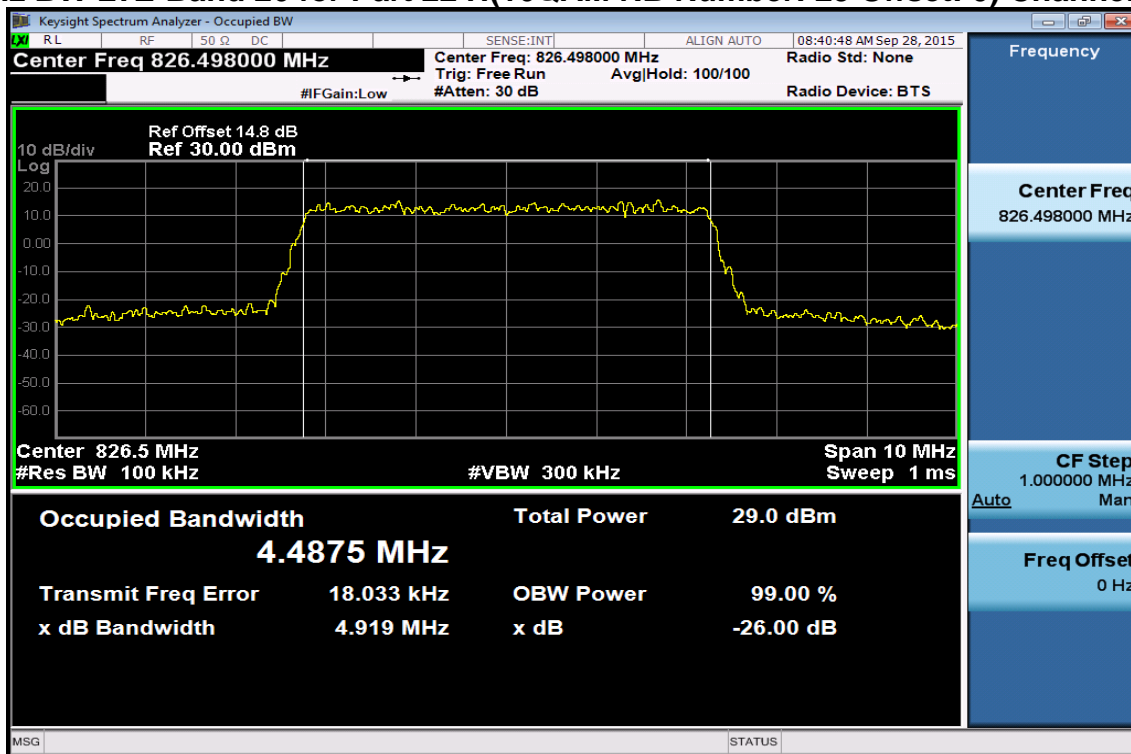
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5MHz BW LTE-Band 26 for Part 22 H(QPSK RB Number: 25 Offset: 0) Channel High



5MHz BW LTE-Band 26 for Part 22 H(16QAM RB Number: 25 Offset: 0) Channel Low



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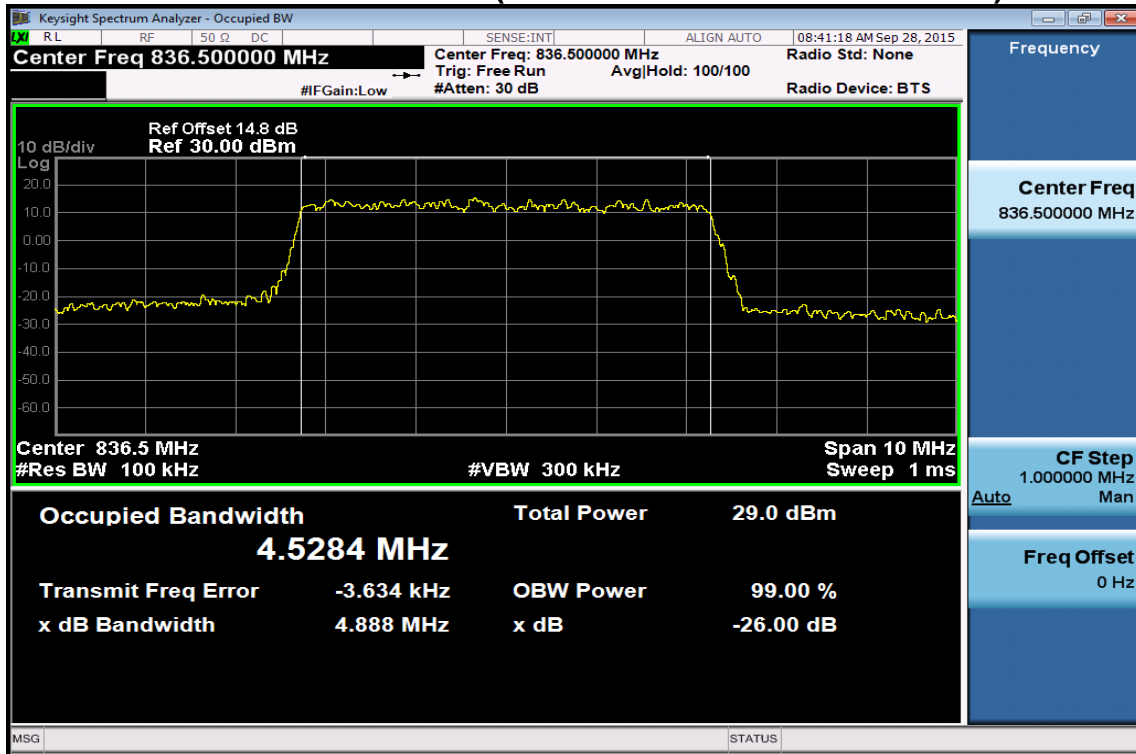
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f (886-2) 2298-0488

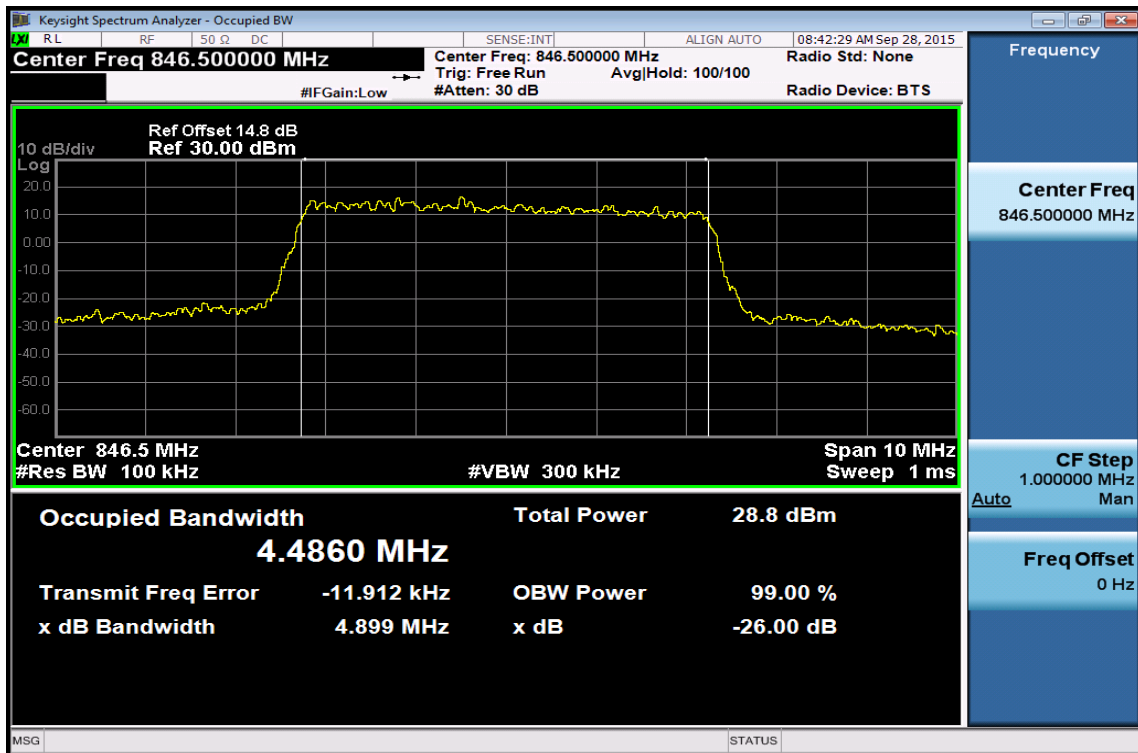
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5MHz BW LTE-Band 26 for Part 22 H(16QAM RB Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 26 for Part 22 H(16QAM RB Number: 25 Offset: 0) Channel High



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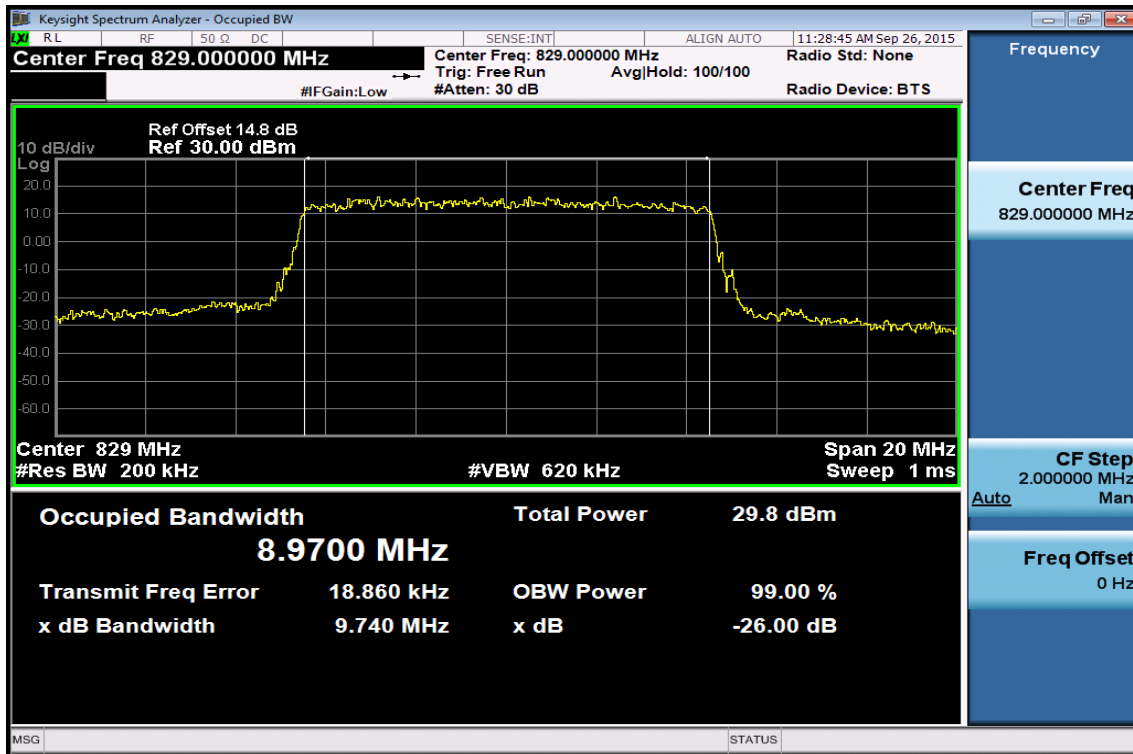
t (886-2) 2299-3279

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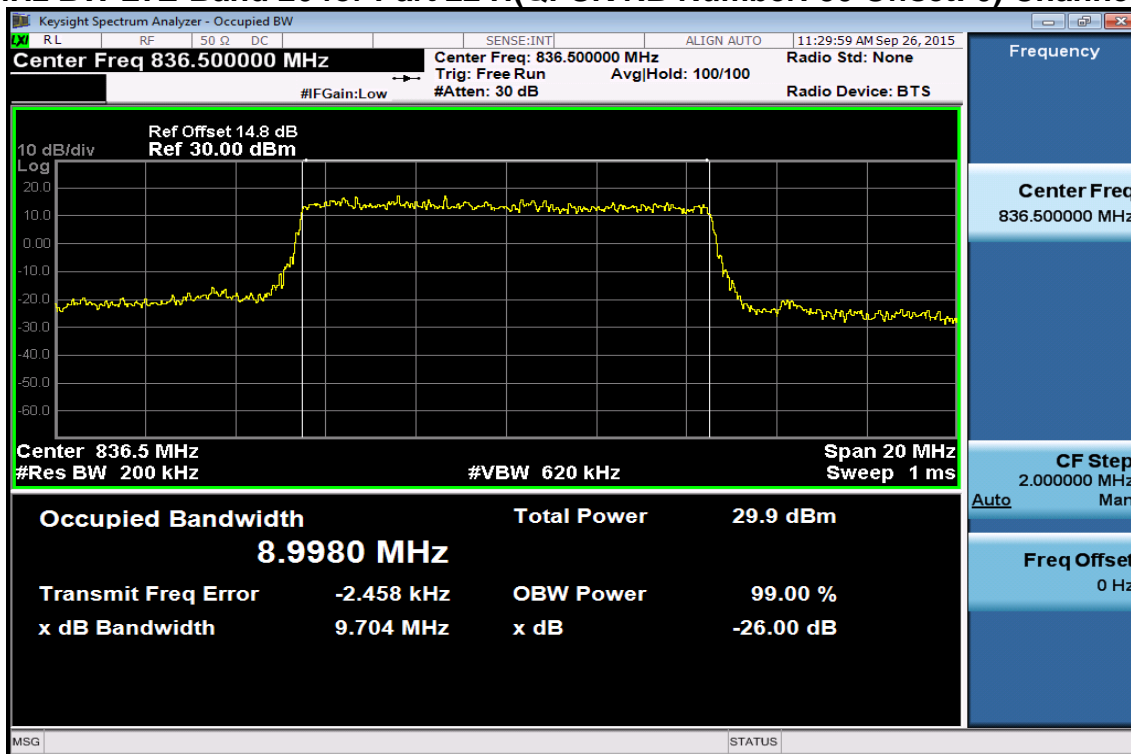
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10MHz BW LTE-Band 26 for Part 22 H(QPSK RB Number: 50 Offset: 0) Channel Low



10MHz BW LTE-Band 26 for Part 22 H(QPSK RB Number: 50 Offset: 0) Channel Mid



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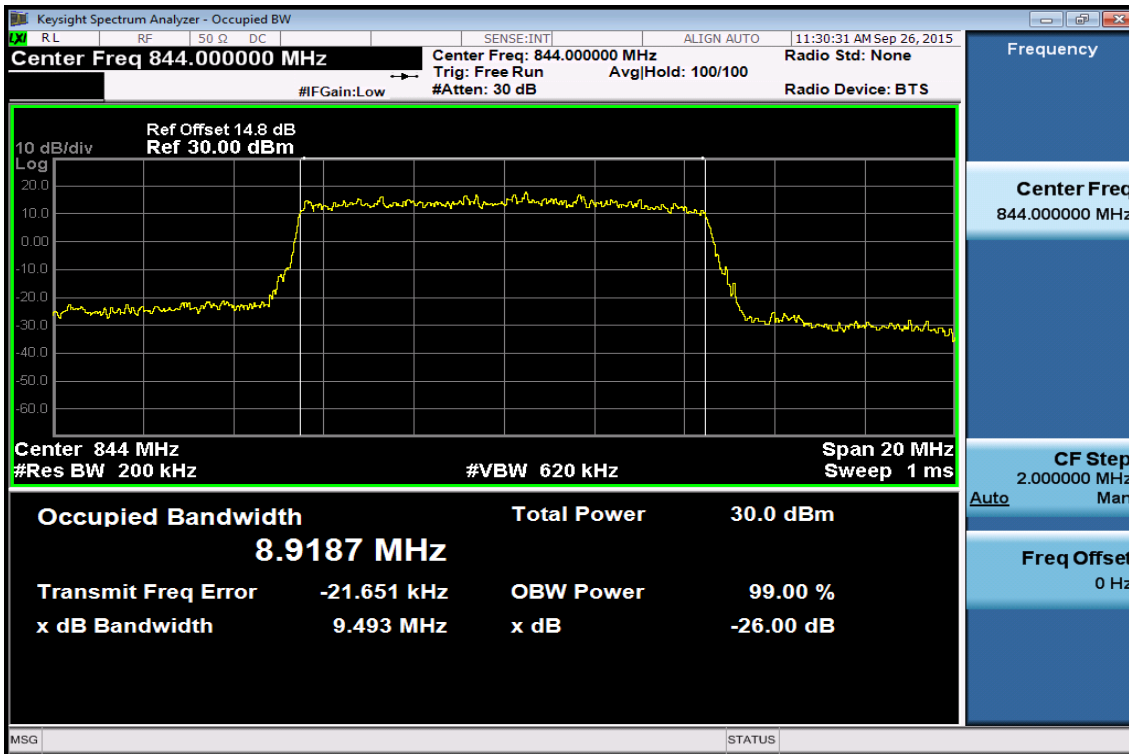
t (886-2) 2299-3279

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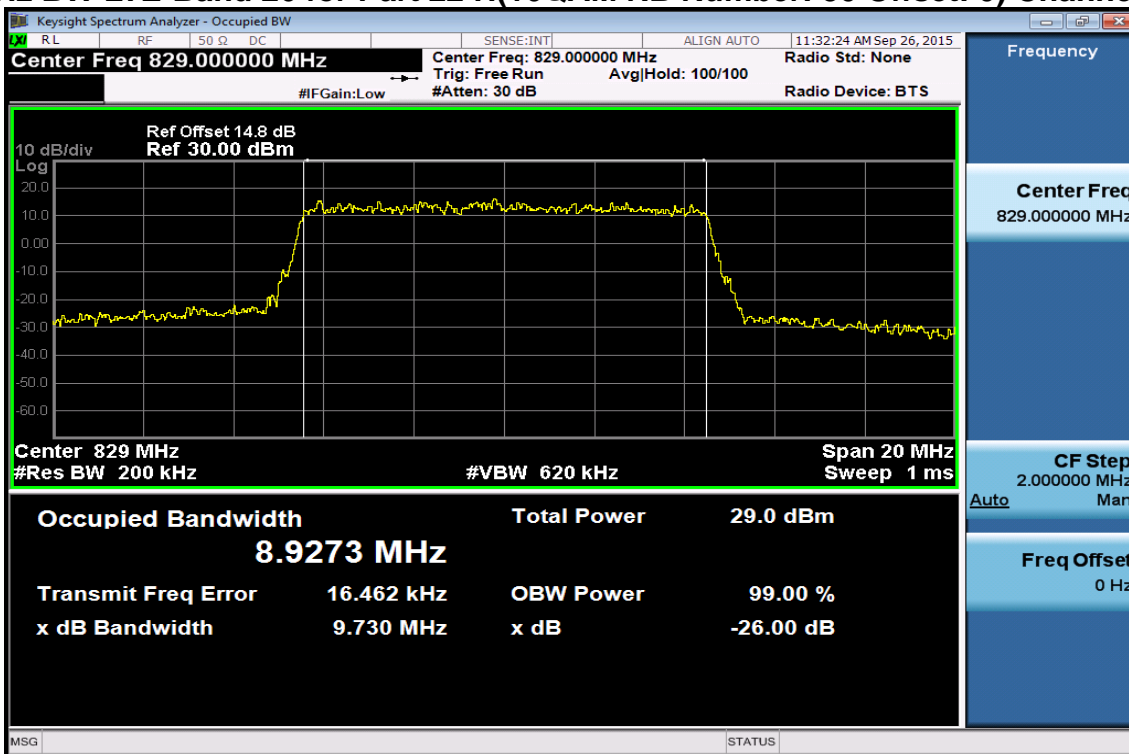
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10MHz BW LTE-Band 26 for Part 22 H(QPSK RB Number: 50 Offset: 0) Channel High



10MHz BW LTE-Band 26 for Part 22 H(16QAM RB Number: 50 Offset: 0) Channel Low



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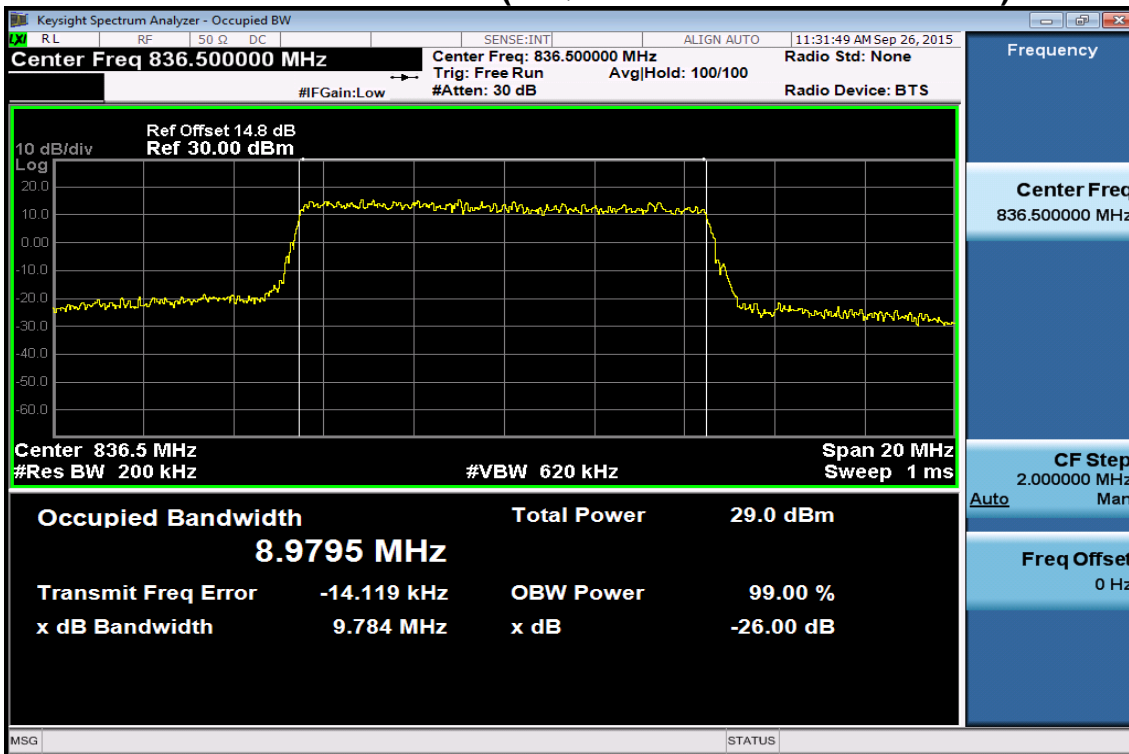
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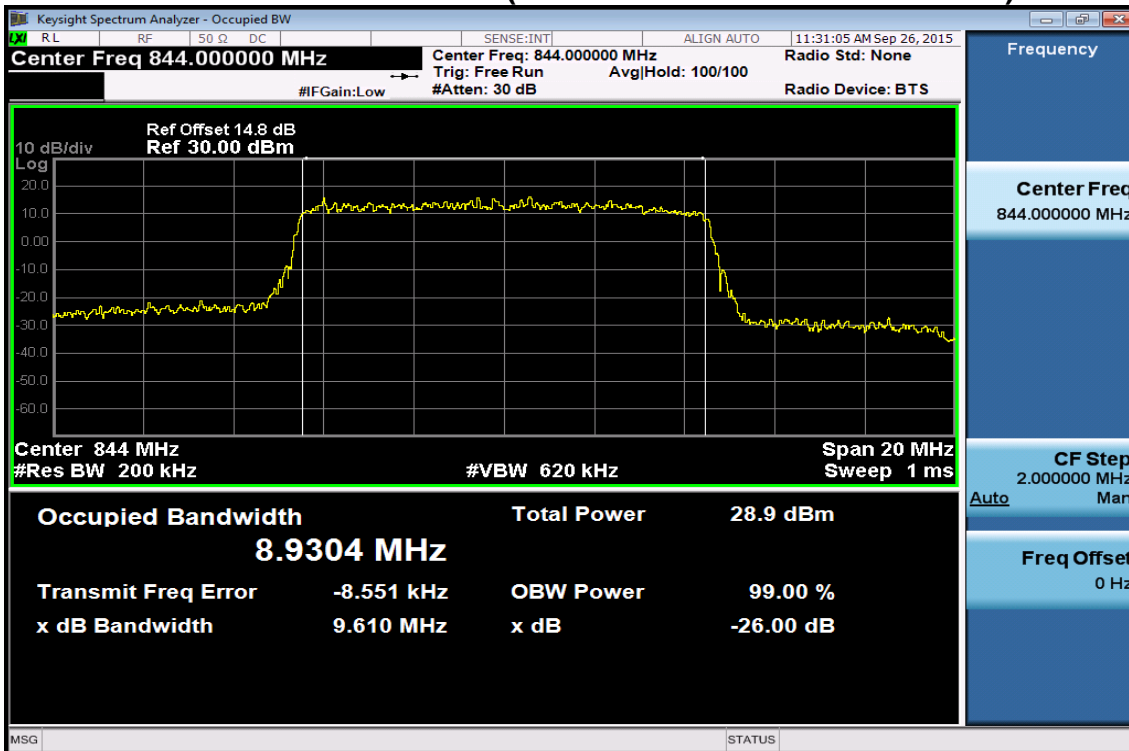
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10MHz BW LTE-Band 26 for Part 22 H(16QAM RB Number: 50 Offset: 0) Channel Mid



10MHz BW LTE- Band 26 for Part 22 H (16QAM RB Number: 50 Offset: 0) Channel High



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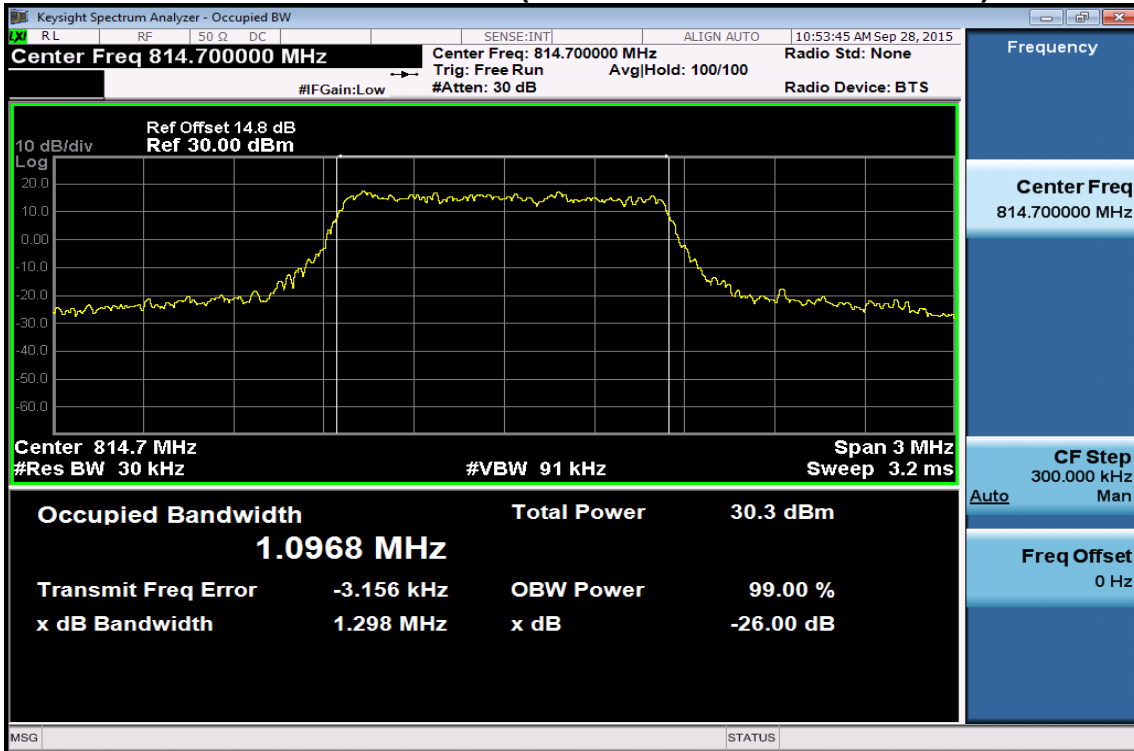
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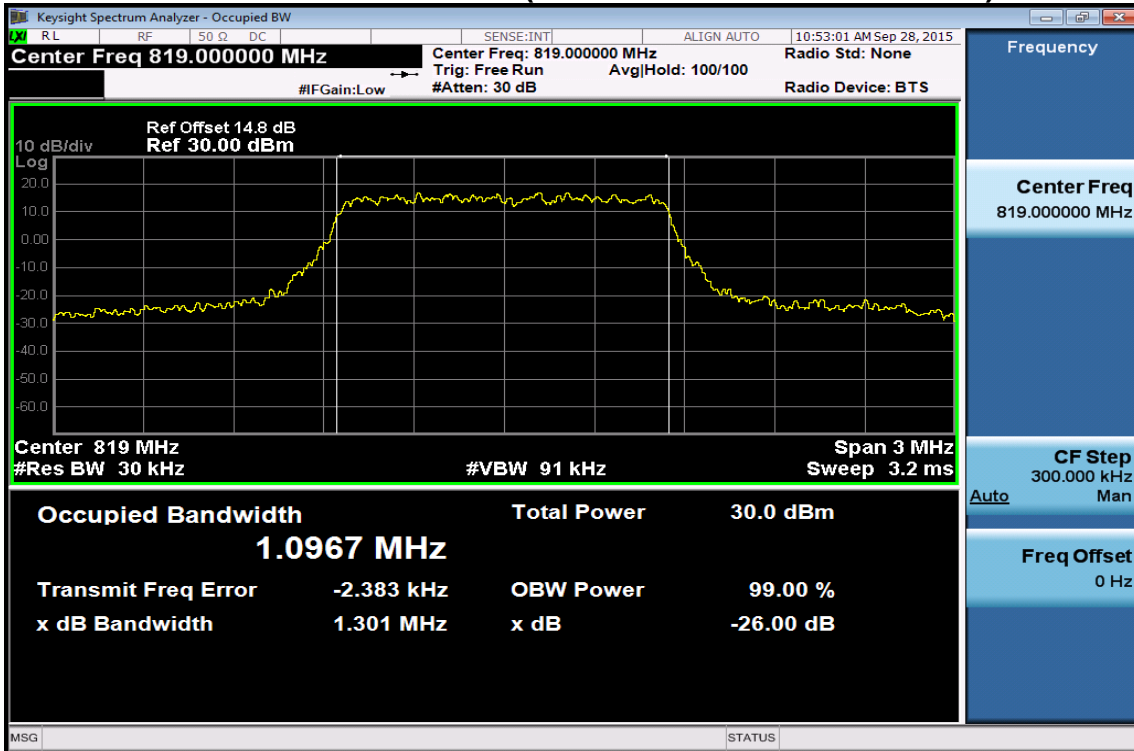
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1.4MHz BW LTE-Band 26 for Part 90 S(QPSK RB Number: 6 Offset: 0) Channel Low



1.4MHz BW LTE-Band 26 for Part 90 S(QPSK RB Number: 6 Offset: 0) Channel Mid



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