ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 22 SUBPART H, PART 24 SUBPART E and PART 27 SUBPART C & SUBPART L REQUIREMENT

OF

Product Name:	**PDA Phone**
Brand Name:	**Sony**
Type No.:	**PM-0871-BV**
Model Difference:	**N/A**
FCC ID:	**PY7-PM0871**
Report No.:	**ER/2015/50038**
Issue Date:	**Jul. 13, 2015**
FCC Rule Part:	**2 , 22H & 24E & 27C & L**
Prepared for:	**Sony Mobile Communications AB** **Nya Vattentornet 22188 Lund/Sweden**
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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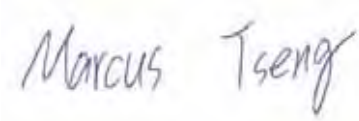
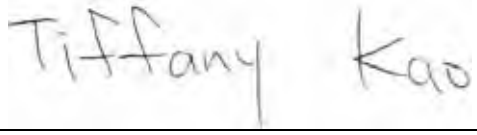
VERIFICATION OF COMPLIANCE

Applicant:	Sony Mobile Communications AB Nya Vattentornet 22188 Lund/Sweden
Product Name:	PDA Phone
Brand Name:	Sony
Type No.:	PM-0871-BV
Model Difference:	N/A
FCC ID:	PY7-PM0871
File Number:	ER/2015/50038
Date of test:	Apr. 23, 2014 ~ Jul. 09, 2015
Date of EUT Received:	Apr. 23, 2014

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:		***Date:***	Jul. 13, 2015
	Marcus Tseng / Engineer		
Prepared By:		***Date:***	Jul. 13, 2015
	Tiffany Kao / Clerk		
Approved By:		***Date:***	Jul. 13, 2015
	Jim Chang / Asst. Manager		

Revision History

Report Number	Revision	Description	Issue Date
ER/2015/50038	Rev.00	Initial creation of document	Jul. 13, 2015

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1. GENERAL PRODUCT INFORMATION

1.1. Product Description

General:

Product Name:	PDA Phone	
Brand Name:	Sony	
Type No.:	PM-0871-BV	
Model Difference:	N/A	
Data Cable (USB):	Model No.: EC450, Supplier: K-one Part No.: 1242-6715.3, Length: 100 cm	
Simple Hands-Free (SHF-White):	Model No.: MH410c, Supplier: Foster Electric Type No.: AG-1100	
Car Charger:	Model No.: AN400, Supplier: Salcomp Type No.: CAA-0003013	
BT PHF:	Model No.: MW600, Supplier: BALDA Type No.: DDA-0002029.B coupling with Simple Hands Free (Model No.: : MH755, Supplier: BALDA, Type No.: AG-0502)	
Product SW/HW version:	30.0.B.1.10 / A	
Radio SW/HW version:	30.0.B.1.10 / A	
Test SW Version:	N/A	
RF power setting in TEST SW:	N/A	
Power Supply:	3.8Vdc	
	Battery:	Model No.: AGPB016-A001, Supplier: Sony Type No.: N/A
	Adapter:	1. Model No.: EP800, Supplier: Phihong Type No.: AC-0300-US 2. Model No.: EP800, Supplier: Salcomp Type No.: AC-0030-US
IMEI:	004402455197677	

GSM / WCDMA / LTE:

	Operating Frequency		Rated Power
Cellular Phone Standards Frequency Range and Power	GSM/GPRS 850	824.2 MHz– 848.8 MHz	33dBm
	EDGE 850	824.2 MHz– 848.8 MHz	27dBm
	GSM/GPRS 1900	1850.2MHz – 1909.8MHz	30dBm
	EDGE 1900	1850.2MHz – 1909.8MHz	26dBm
	WCDMA/HSUPA/HSDPA /HSPA+ Band II	1852.4MHz – 1907.6MHz	24dBm
	WCDMA/HSUPA/HSDPA /HSPA+ Band V	826.4MHz - 846.6MHz	24dBm
	LTE-Band 2 (Bandwidth 1.4MHz)	1850.7MHz– 1909.3MHz	23dBm
	LTE-Band 2 (Bandwidth 3MHz)	1851.5MHz – 1908.5MHz	23dBm
	LTE-Band 2 (Bandwidth 5MHz)	1852.5MHz – 1907.5MHz	23dBm
	LTE-Band 2 (Bandwidth 10MHz)	1855.0MHz – 1905.0MHz	23dBm
	LTE-Band 2 (Bandwidth 15MHz)	1857.5MHz – 1902.5MHz	23dBm
	LTE-Band 2 (Bandwidth 20MHz)	1860.0MHz – 1900.0MHz	23dBm
	LTE-Band 4 (Bandwidth 1.4MHz)	1710.7MHz– 1754.3MHz	23dBm
	LTE-Band 4 (Bandwidth 3MHz)	1711.5MHz – 1753.5MHz	23dBm
	LTE-Band 4 (Bandwidth 5MHz)	1712.5MHz – 1752.5MHz	23dBm
	LTE-Band 4 (Bandwidth 10MHz)	1715MHz – 1750MHz	23dBm
	LTE-Band 4 (Bandwidth 15MHz)	1717.5MHz – 1747.5MHz	23dBm
	LTE-Band 4 (Bandwidth 20MHz)	1720MHz – 1745MHz	23dBm

	Operating Frequency		Rated Power
Cellular Phone Standards Frequency Range and Power	LTE-Band 5 (Bandwidth 1.4MHz)	824.7MHz – 848.3MHz	23dBm
	LTE-Band 5 (Bandwidth 3MHz)	825.5MHz – 847.5MHz	23dBm
	LTE-Band 5 (Bandwidth 5MHz)	826.5MHz – 846.5MHz	23dBm
	LTE-Band 5 (Bandwidth 10MHz)	829.0MHz – 844.0MHz	23dBm
	LTE-Band 7 (Bandwidth 5MHz)	2502.5MHz – 2567.5MHz	23dBm
	LTE-Band 7 (Bandwidth 10MHz)	2505.0MHz – 2565.0MHz	23dBm
	LTE-Band 7 (Bandwidth 15MHz)	2507.5MHz – 2562.5MHz	23dBm
	LTE-Band 7 (Bandwidth 20MHz)	2510.0MHz – 2560MHz	23dBm

Type of Emission:	GSM 850	251KGXW
	EDGE 850	257KG7W
	GSM 1900	253KGXW
	EDGE 1900	246KG7W
	WCDMA Band II	4M21F9W
	WCDMA Band V	4M24F9W
	HSDPA Band II	4M23F9W
	HSDPA Band V	4M24F9W
	HSUPA Band II	4M21F9W
	HSUPA Band V	4M23F9W
	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	2M72D7W
	LTE-Band 2 (Bandwidth 5MHz) QPSK	4M54G7D
	LTE-Band 2 (Bandwidth 5MHz) 16QAM	4M52D7W
	LTE-Band 2 (Bandwidth 10MHz) QPSK	9M02G7D
	LTE-Band 2 (Bandwidth 10MHz) 16QAM	8M98D7W
	LTE-Band 2 (Bandwidth 15MHz) QPSK	13M5G7D
	LTE-Band 2 (Bandwidth 15MHz) 16QAM	13M5D7W
	LTE-Band 2 (Bandwidth 20MHz) QPSK	18M0G7D
	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	2M72G7D
	LTE-Band 4 (Bandwidth 3MHz) 16QAM	2M71D7W
	LTE-Band 4 (Bandwidth 5MHz) QPSK	4M52G7D
	LTE-Band 4 (Bandwidth 5MHz) 16QAM	4M52D7W
	LTE-Band 4 (Bandwidth 10MHz) QPSK	9M01G7D
	LTE-Band 4 (Bandwidth 10MHz) 16QAM	8M97D7W
	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

Type of Emission:	LTE-Band 5 (Bandwidth 1.4MHz) QPSK	1M10G7D
	LTE-Band 5 (Bandwidth 1.4MHz) 16QAM	1M10D7W
	LTE-Band 5 (Bandwidth 3MHz) QPSK	2M75G7D
	LTE-Band 5 (Bandwidth 3MHz) 16QAM	2M71D7W
	LTE-Band 5 (Bandwidth 5MHz) QPSK	4M49G7D
	LTE-Band 5 (Bandwidth 5MHz) 16QAM	4M52D7W
	LTE-Band 5 (Bandwidth 10MHz) QPSK	8M99G7D
	LTE-Band 5 (Bandwidth 10MHz) 16QAM	9M00D7W
	LTE-Band 7 (Bandwidth 5MHz) QPSK	4M51G7D
	LTE-Band 7 (Bandwidth 5MHz) 16QAM	4M51D7W
	LTE-Band 7 (Bandwidth 10MHz) QPSK	9M01G7D
	LTE-Band 7 (Bandwidth 10MHz) 16QAM	9M00D7W
	LTE-Band 7 (Bandwidth 15MHz) QPSK	13M5G7D
	LTE-Band 7 (Bandwidth 15MHz) 16QAM	13M5D7W
	LTE-Band 7 (Bandwidth 20MHz) QPSK	18M0G7D
	LTE-Band 7 (Bandwidth 20MHz) 16QAM	18M0D7W

Max ERP/EIRP Power Measurement Result:

	dBm		W
GSM 850	21.99	ERP	0.15812
EDGE 850	21.20	ERP	0.13183
GSM 1900	27.24	EIRP	0.52966
EDGE 1900	26.44	EIRP	0.44055
WCDMA Band II	22.95	EIRP	0.19724
WCDMA Band V	14.17	ERP	0.02612
HSDPA Band II	23.52	EIRP	0.22491
HSDPA Band V	15.77	ERP	0.03776
HSUPA Band II	23.46	EIRP	0.22182
HSUPA Band V	15.40	ERP	0.03467
LTE-Band 2 (Bandwidth 1.4MHz) QPSK	26.96	EIRP	0.49659
LTE-Band 2 (Bandwidth 1.4MHz) 16QAM	26.41	EIRP	0.43752
LTE-Band 2 (Bandwidth 3MHz) QPSK	26.32	EIRP	0.42855
LTE-Band 2 (Bandwidth 3MHz) 16QAM	26.69	EIRP	0.46666
LTE-Band 2 (Bandwidth 5MHz) QPSK	26.51	EIRP	0.44771
LTE-Band 2 (Bandwidth 5MHz) 16QAM	26.76	EIRP	0.47424
LTE-Band 2 (Bandwidth 10MHz) QPSK	26.52	EIRP	0.44875
LTE-Band 2 (Bandwidth 10MHz) 16QAM	26.81	EIRP	0.47973
LTE-Band 2 (Bandwidth 15MHz) QPSK	26.86	EIRP	0.48529
LTE-Band 2 (Bandwidth 15MHz) 16QAM	27.07	EIRP	0.50933
LTE-Band 2 (Bandwidth 20MHz) QPSK	26.89	EIRP	0.48865
LTE-Band 2 (Bandwidth 20MHz) 16QAM	26.96	EIRP	0.49659

	dBm		W
LTE-Band 4 (Bandwidth 1.4MHz) QPSK	25.97	EIRP	0.39537
LTE-Band 4 (Bandwidth 1.4MHz) 16QAM	26.23	EIRP	0.41976
LTE-Band 4 (Bandwidth 3MHz) QPSK	25.45	EIRP	0.35075
LTE-Band 4 (Bandwidth 3MHz) 16QAM	25.75	EIRP	0.37584
LTE-Band 4 (Bandwidth 5MHz) QPSK	25.48	EIRP	0.35318
LTE-Band 4 (Bandwidth 5MHz) 16QAM	25.92	EIRP	0.39084
LTE-Band 4 (Bandwidth 10MHz) QPSK	25.66	EIRP	0.36813
LTE-Band 4 (Bandwidth 10MHz) 16QAM	26.22	EIRP	0.41879
LTE-Band 4 (Bandwidth 15MHz) QPSK	25.99	EIRP	0.39719
LTE-Band 4 (Bandwidth 15MHz) 16QAM	26.57	EIRP	0.45394
LTE-Band 4 (Bandwidth 20MHz) QPSK	25.77	EIRP	0.37757
LTE-Band 4 (Bandwidth 20MHz) 16QAM	26.48	EIRP	0.44463
LTE-Band 5 (Bandwidth 1.4MHz) QPSK	14.93	ERP	0.03112
LTE-Band 5 (Bandwidth 1.4MHz) 16QAM	15.40	ERP	0.03467
LTE-Band 5 (Bandwidth 3MHz) QPSK	15.69	ERP	0.03707
LTE-Band 5 (Bandwidth 3MHz) 16QAM	16.26	ERP	0.04227
LTE-Band 5 (Bandwidth 5MHz) QPSK	16.31	ERP	0.04276
LTE-Band 5 (Bandwidth 5MHz) 16QAM	16.73	ERP	0.0471
LTE-Band 5 (Bandwidth 10MHz) QPSK	15.66	ERP	0.03681
LTE-Band 5 (Bandwidth 10MHz) 16QAM	16.01	ERP	0.0399
LTE-Band 7 (Bandwidth 5MHz) QPSK	30.04	EIRP	1.00925
LTE-Band 7 (Bandwidth 5MHz) 16QAM	30.58	EIRP	1.14288
LTE-Band 7 (Bandwidth 10MHz) QPSK	29.56	EIRP	0.90365
LTE-Band 7 (Bandwidth 10MHz) 16QAM	30.43	EIRP	1.10408
LTE-Band 7 (Bandwidth 15MHz) QPSK	29.13	EIRP	0.81846
LTE-Band 7 (Bandwidth 15MHz) 16QAM	30.17	EIRP	1.03992
LTE-Band 7 (Bandwidth 20MHz) QPSK	29.00	EIRP	0.79433
LTE-Band 7 (Bandwidth 20MHz) 16QAM	30.15	EIRP	1.03514

1.2. Product Feature of Equipment Under Test

The equipment under Test (Hereafter Called: EUT) is PDA phone supporting, GSM / WCDMA / LTE, Wi-Fi 802.11abgn, Bluetooth with NFC features, and below is details of information.

Product Feature	
Product Name:	PDA Phone
Brand Name:	Sony
Type No.:	PM-0871-BV
Model Difference:	N/A
FCC ID	PY7-PM0871
GSM Operating Band(s)	GSM 850/1900MHz
GPRS / EGPRS Multi Slot Class	Class 12
WCDMA Operating Band(s)	FDD Band II / V
WCDMA Rel. Version	Release 8
LTE Operating Band(s)	FCC Band 2 / 4 / 5 / 7
LTE Rel. Version	Release 9 / Category 4
Wi-Fi Specification	802.11a/b/g/n
Bluetooth Version	V4.0 dual mode + HS
NFC Specification	NFC

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

1.3. Test Methodology of Applied Standards

FCC 47 CFR Part 2, 22, 24, 27

ANSI / TIA / EIA 603C-C-2004

KDB971168 D01 Power Meas license Digital System v02r01

KDB941225 of the Output power Procedure of (SAR Measurement Procedures for 3G Devices, WCDMA / HSPA) was used for EUT and Base station setting.

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

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.

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.

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 example with cable loss 0.4 dB for low band and 0.7 for high band with 10 dB attenuator and 3.2 splitter.

Low Band: Offset = RF cable loss (dB)+ attenuation factor(dB) =0.4+10+3.2=13.6(dB)

High Band: Offset = RF cable loss (dB)+ attenuation factor(dB) =0.7+10+3.2=13.9(dB)

2.5. Final Amplifier Voltage and Current Information:

Test Mode	DC voltage (V)	DC current (mA)
GSM 850	3.8	698
GSM 1900	3.8	547
GPRS 850	3.8	511
GPRS 1900	3.8	496
EDGE 850	3.8	614
EDGE 1900	3.8	646
WCDMA B2	3.8	518
WCDMA B5	3.8	511
HSUPA B2	3.8	533
HSUPA B5	3.8	514
HSDPA B2	3.8	541
HSDPA B5	3.8	536

Test Mode	DC voltage (V)	DC current (mA)
LTE Band 2_1.4M QPSK	3.8	990
LTE Band 2_1.4M 16QAM	3.8	933
LTE Band 2_3M QPSK	3.8	988
LTE Band 2_3M 16QAM	3.8	941
LTE Band 2_5M QPSK	3.8	996
LTE Band 2_5M 16QAM	3.8	923
LTE Band 2_10M QPSK	3.8	1021
LTE Band 2_10M 16QAM	3.8	954
LTE Band 2_15M QPSK	3.8	1015
LTE Band 2_15M 16QAM	3.8	961
LTE Band 2_20M QPSK	3.8	1012
LTE Band 2_20M 16QAM	3.8	976

Test Mode	DC voltage (V)	DC current (mA)
LTE Band 4_1.4M QPSK	3.8	1176
LTE Band 4_1.4M 16QAM	3.8	1079
LTE Band 4_3M QPSK	3.8	1171
LTE Band 4_3M 16QAM	3.8	1075
LTE Band 4_5M QPSK	3.8	1155
LTE Band 4_5M 16QAM	3.8	1072
LTE Band 4_10M QPSK	3.8	1132
LTE Band 4_10M 16QAM	3.8	1087
LTE Band 4_15M QPSK	3.8	1147
LTE Band 4_15M 16QAM	3.8	1095
LTE Band 4_20M QPSK	3.8	1154
LTE Band 4_20M 16QAM	3.8	1096

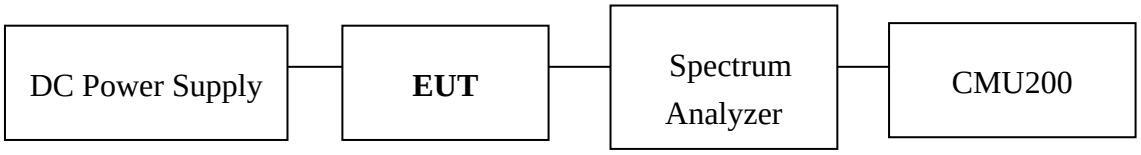
Test Mode	DC voltage (V)	DC current (mA)
LTE Band 5_1.4M QPSK	3.8	1033
LTE Band 5_1.4M 16QAM	3.8	987
LTE Band 5_3M QPSK	3.8	1030
LTE Band 5_3M 16QAM	3.8	973
LTE Band 5_5M QPSK	3.8	1046
LTE Band 5_5M 16QAM	3.8	974
LTE Band 5_10M QPSK	3.8	1029
LTE Band 5_10M 16QAM	3.8	969

Test Mode	DC voltage (V)	DC current (mA)
LTE Band 7_5M QPSK	3.8	721
LTE Band 7_5M 16QAM	3.8	669
LTE Band 7_10M QPSK	3.8	733
LTE Band 7_10M 16QAM	3.8	679
LTE Band 7_15M QPSK	3.8	748
LTE Band 7_15M 16QAM	3.8	697
LTE Band 7_20M QPSK	3.8	744
LTE Band 7_20M 16QAM	3.8	694

2.6. Configuration of Tested System

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

2G/3G



4G

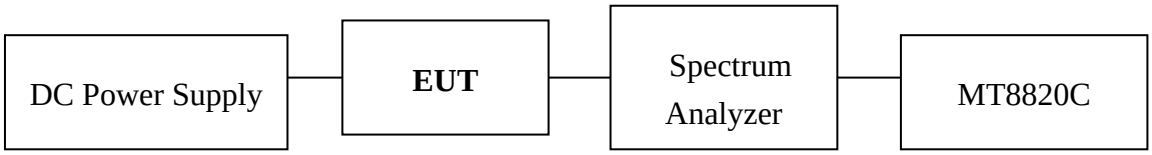
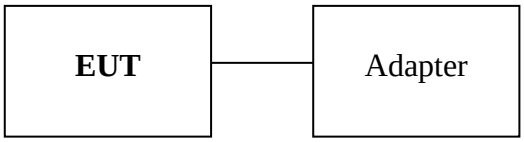


Fig. 2-2 Configuration of Tested System (Fixed Channel-Radiated)



Remote Side

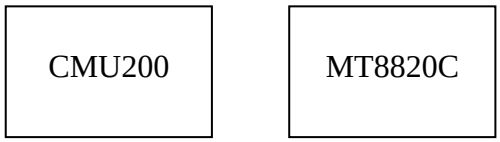


Table 2-1 Equipment Used in

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	Universal Radio Communication Tester	R&S	CMU200	102189	shielded	Un-shielded
2.	Universal Radio Communication Tester	Anritsu	MT8820C	6200307563	shielded	Un-shielded
3.	DC Power Supply	HP	E3640A	MY40005907	shielded	Un-shielded

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)(2) §27.50(c)(9) §27.50(d)(2) §27.50(d)(4) §27.50(h)(2)	ERP/ EIRP measurement	Compliant
§2.1049(h)	99% & 26dB Occuupied Bandwidth	Compliant
§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.50(c)(5) §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) §27.50(c)(5) §27.53(g) §27.53(h) §27.53(m)(4)	Field Strength of Spurious Radiation	Compliant
§24.232(d) §27.53(d) (5) §27.50(i) (B)	Peak to Average Ratio	Compliant
§27.53(f)	Spurious emission in 1559 -1610MHz Band	Compliant
§2.1055(a)(1) §22.355 §24.235 §27.54	Frequency Stability	Compliant

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
GSM/GPRS/EDGE 850	E1-plan	E1-plan
GSM/GPRS/EDGE 1900	E2-plan	E2-plan
WCDMA/HSPA Band II	E2-plan	E2-plan
WCDMA/HSPA Band IV	E1-plan	E1-plan
WCDMA/HSPA Band V	E1-plan	E1-plan
LTE Band 2	E1-plan	E1-plan
LTE Band 5	E1-plan	E1-plan
LTE Band 4	E1-plan	E1-plan
LTE Band 7	E2-plan	E2-plan

GSM/GPRS/EDGE MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
ERP	128 to 251	128, 190, 251	GSM/GPRS/EDGE 850
EIRP	512 to 810	512, 661, 810	GSM/GPRS/EDGE 1900
FREQUENCY STABILITY	128 to 251 512 to 810	190 661	GPRS 850 GPRS 1900
OCCUPIED BANDWIDTH	128 to 251 512 to 810	190 661	GSM/EDGE 850 GSM/EDGE 1900
PEAK TO AVERAGE RATIO	128 to 251 512 to 810	128, 190, 251 512, 661, 810	GSM/GPRS/EDGE 850 GSM/GPRS/EDGE 1900
BAND EDGE	128 to 251 512 to 810	128, 251 512, 810	GSM/EDGE 850 GSM/EDGE 1900
CONDCUDETED EMISSION	128 to 251 512 to 810	128, 190, 251 512, 661, 810	GSM/EDGE 850 GSM/EDGE 1900
RADIATED EMISSION	128 to 251 512 to 810	128, 190, 251 512, 661, 810	GSM 850 GSM 1900

WCDMA/HSPA MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
ERP	4132 to 4233	4132, 4183, 4233	WCDMA/HSPA Band V
EIRP	9262 to 9538	9262, 9400, 9583	WCDMA/HSPA Band II
FREQUENCY STABILITY	4132 to 4233 9262 to 9538	4183 9400	WCDMA Band II WCDMA Band V
OCCUPIED BANDWIDTH	4132 to 4233 9262 to 9538	4183 9400	WCDMA/HSPA Band II WCDMA/HSPA Band V
PEAK TO AVERAGE RATIO	4132 to 4233 9262 to 9538	4132, 4183, 4233 9262, 9400, 9583	WCDMA/HSPA Band II WCDMA/HSPA Band V
BAND EDGE	4132 to 4233 9262 to 9538	4132, 4183, 4233 9262, 9400, 9583	WCDMA Band II WCDMA Band V
CONDCUDETED EMISSION	4132 to 4233 9262 to 9538	4132, 4183, 4233 9262, 9400, 9583	WCDMA Band II WCDMA Band V
RADIATED EMISSION	4132 to 4233 9262 to 9538	4132, 4183, 4233 9262, 9400, 9583	HSDPA Band II HSDPA Band V

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	18650 to 19150	18900	10MHz	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 AV-ERAGE 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
CONDCUDETED 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	18675 to 19125	18675, 18900, 19125	15MHz	16QAM	1 RB/ 74 RB Offest

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	20000 to 20350	20175	10MHz	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 AV-ERAGE 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
CONDCUDETED 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	20025 to 20325	20025, 20175, 20325	15MHz	16QAM,	1 RB, 74 RB Offest

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 AV-ERAGE 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
CONDCUDETED 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	20425, 20525, 20625	5MHz	16QAM	1 RB/ 0 RB Offest

LTE Band 7 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	20800 to 21400	21100	10MHz	QPSK,	Full RB
OCCUPIED BANDWIDTH	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK, 16QAM	Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	Full RB
PEAK TO AV-ERAGE RATIO	20775 to 21425	20775, 21100, 21425	5MHz	16QAM	Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	16QAM	Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	16QAM	Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	16QAM	Full RB
BAND EDGE	20775 to 21425	20775, 21100, 21425	5MHz	QPSK,	1 RB/ 0,24 RB Offest Full RB
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK,	1 RB/ 0,49 RB Offest Full RB
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK,	1 RB/ 0,74 RB Offest Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK,	1 RB/ 0,99 RB Offest Full RB
CONDCUDETED EMISSION	20775 to 21425	20775, 21100, 21425	5MHz	QPSK,	1 RB, 0 RB Offest
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK,	1 RB, 0 RB Offest
	20850 to 21375	20850, 21100, 21375	15MHz	QPSK,	1 RB, 0 RB Offest
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK,	1 RB, 0 RB Offest
RADIATED EMISSION	20775 to 21425	20775, 21100, 21425	5MHz	16QAM,	1 RB, 0 RB Offest

Note: The given application is dual SIM build of certified product, PY7-PM0872. It differs only in the mental shield covering the portion of slot space that is preserved in the built applicable PY7-PM0872 and LTE/WCDMA/HSPA band difference which will not support LTE band 12 / 13 /17 and WCDMA/HSPA band IV that is preserved in the built applicable PY7-PM0872. Except for the change as aforementioned above, all hardware, software relevant to RF Parameter of Physical layer, I/O signal remains unchanged, and the data as measured in the authorization of PY7-PM0872 and remains, and entails representative.

This test report demonstrates the result of spot-check on Radiated Spurious Emission in order to reveal of the evidence of compliance record proving the implementation of this model causes no degradation as compared to build, PY7-PM0872.

5. 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

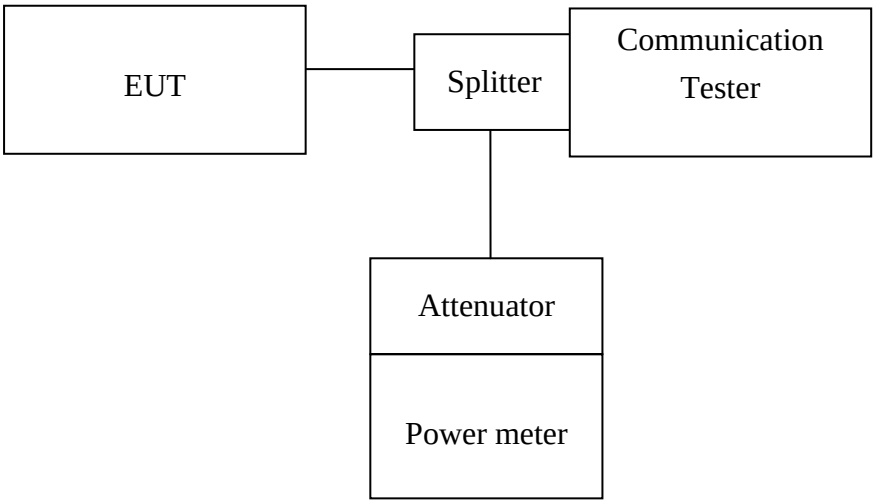
This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

6. RF CONDUCTED OUTPUT POWER MEASUREMENT

6.1. 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.

6.2. Test Set-up



Note: *Measurement setup for testing on Antenna connector*

6.3. 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

6.4. 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
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

6.5. Measurement Result

RF Conducted Output Power

GSM/GPRS/EDGE (GMSK; 8-PSK) Result:

EUT Mode	Frequency (MHz)	CH	Peak Power (dBm)	Averager Burst Power (dBm)
GSM 850	824.2	128	33.30	33.20
	836.6	190	**33.40**	33.20
	848.8	251	33.30	33.20
GSM 1900	1850.2	512	**29.60**	29.50
	1880.0	661	29.40	29.30
	1909.8	810	29.60	29.40

EUT Mode	Frequency (MHz)	CH	Peak Power (4DN 1UP) Class 8 (dBm)	Average Burst Power (4DN 1UP) Class 8 (dBm)	Peak Power (4DN 2UP) Class 10 (dBm)	Average Burst Power (4DN 2UP) Class 10 (dBm)	Peak Power (4DN 3UP) Class 12 (dBm)	Average Burst Power (4DN 3UP) Class 12 (dBm)	Peak Power (4DN 4UP) Class 12 (dBm)	Average Burst Power (4DN 4UP) Class 12 (dBm)
GPRS 850	824.2	128	**33.30**	33.20	29.30	29.10	28.20	28.10	27.60	27.50
	836.6	190	33.30	33.20	29.30	29.20	28.30	28.20	27.70	27.50
	848.8	251	33.30	33.20	29.30	29.20	28.20	28.10	27.70	27.60
GPRS 1900	1850.2	512	29.60	29.40	28.30	28.10	27.20	27.10	25.80	25.70
	1880.0	661	29.40	29.30	28.20	28.10	27.50	27.30	26.10	25.90
	1909.8	810	**29.60**	29.50	28.60	28.20	28.00	27.80	26.60	26.40
EDGE 850	824.2	128	29.10	25.80	28.40	25.20	28.40	25.20	27.70	24.90
	836.6	190	29.30	26.10	28.70	25.50	28.70	25.50	27.80	24.80
	848.8	251	**29.40**	26.10	28.70	25.50	28.60	25.50	27.90	24.90
EDGE 1900	1850.2	512	**29.00**	25.40	28.30	24.80	28.30	25.00	27.20	23.70
	1880.0	661	28.80	25.30	28.00	24.70	28.10	24.80	27.20	23.60
	1909.8	810	28.90	25.40	28.30	24.70	28.10	24.90	27.00	23.70

WCDMA MODE:

The following tests were completed according to the test requirements outlined in section 5.2 of the 3GPP TS34.121-1 V8.4.0 specification. The EUT supports power Class 3, which has a nominal maximum output power of 24 dBm (+1.7/-3.7). RMC 12.2kps is used for this testing.

Results:

EUT Mode	Frequency (MHz)	CH	Peak Power (dBm)	Avg. Power (dBm)
WCDMA Band II	1852.4	9262	26.42	23.67
	1880.0	9400	**26.99**	23.91
	1907.6	9538	26.29	23.47
WCDMA Band V	826.4	4132	26.53	23.31
	836.6	4183	**26.76**	23.40
	846.6	4233	26.61	23.43
HSDPA Band II	1852.4	9262	25.96	22.66
	1880.0	9400	**26.42**	22.85
	1907.6	9538	25.73	22.29
HSDPA Band V	826.4	4132	25.94	22.24
	836.6	4183	26.04	22.32
	846.6	4233	**26.11**	22.38
HSUPA Band II	1852.4	9262	25.93	22.61
	1880.0	9400	**26.42**	22.82
	1907.6	9538	25.76	22.33
HSUPA Band V	826.4	4132	25.98	22.25
	836.6	4183	25.97	22.31
	846.6	4233	**26.04**	22.40

Note: The results above reflect max power with all up bits.

Cable loss offset Low Band: 0.4dB

Cable loss offset High Band: 0.7dB

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	23.29	23.40	23.35	22.56	22.68	22.41
	1	5	23.29	23.39	23.32	22.44	22.70	22.46
	3	2	23.34	**23.43**	23.43	22.35	22.39	22.38
	6	0	22.42	22.49	22.53	21.47	21.49	21.50

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	23.25	23.37	23.35	22.39	22.62	22.52
	1	14	23.25	**23.39**	23.33	22.47	22.71	22.29
	8	4	22.40	22.49	22.51	21.43	21.56	21.48
	15	0	22.42	22.51	22.50	21.41	21.53	21.49

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	**23.46**	23.44	23.42	22.49	22.32	22.62
	1	24	23.29	23.34	23.33	22.46	22.62	22.34
	12	6	22.55	22.51	22.54	21.32	21.54	21.52
	25	0	22.53	22.47	22.52	21.44	21.31	21.47

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	**23.49**	23.49	23.47	22.62	22.82	22.59
	1	49	23.41	23.32	23.31	22.60	22.78	22.50
	25	12	22.50	22.53	22.55	21.47	21.54	21.52
	50	0	22.45	22.43	22.29	21.45	21.52	21.55

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	23.31	**23.56**	23.43	22.78	22.87	22.76
	1	74	23.45	23.44	23.39	22.56	22.64	22.46
	36	19	22.57	22.58	22.59	21.53	21.59	21.41
	75	0	22.60	22.59	22.58	21.55	21.59	21.30

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	**23.55**	23.50	23.42	22.79	22.79	22.71
	1	99	23.28	23.38	23.25	22.66	22.60	22.53
	50	25	22.57	22.56	22.55	21.56	21.58	21.56
	100	0	22.56	22.48	22.45	21.55	21.61	21.53

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	23.15	23.19	23.21	22.32	22.29	22.32
	1	5	23.01	23.14	23.15	22.37	22.41	22.37
	3	2	23.24	**23.26**	23.26	22.23	22.28	22.20
	6	0	22.28	22.29	22.33	21.33	21.33	21.25

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	23.13	**23.16**	23.15	22.46	22.35	22.43
	1	14	23.12	23.11	23.14	22.20	22.45	22.33
	8	4	22.26	22.28	22.19	21.30	21.34	21.23
	15	0	22.30	22.30	22.31	21.29	21.31	21.29

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	23.22	**23.24**	23.24	22.41	22.46	22.26
	1	24	23.17	23.15	23.16	22.43	22.47	22.29
	12	6	22.30	22.31	22.34	21.31	21.33	21.31
	25	0	22.29	22.28	22.31	21.26	21.29	21.27

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	23.29	23.31	**23.38**	22.47	22.53	22.58
	1	49	23.16	23.13	23.23	22.39	22.31	22.32
	25	12	22.31	22.29	22.34	21.27	21.25	21.29
	50	0	22.29	22.34	22.40	21.34	21.31	21.36

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	23.32	23.33	**23.37**	22.61	22.62	22.74
	1	74	23.20	23.20	23.20	22.22	22.47	22.31
	36	19	22.37	22.35	22.39	21.34	21.34	21.35
	75	0	22.35	22.31	22.37	21.33	21.28	21.36

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	23.35	**23.35**	23.33	22.61	22.62	22.62
	1	99	23.15	23.13	23.13	22.46	22.46	22.34
	50	25	22.39	22.31	22.31	21.34	21.34	21.32
	100	0	22.34	22.32	22.32	21.34	21.32	21.31

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	**23.12**	23.08	23.05	22.52	22.45	22.33
	1	5	23.08	23.06	23.03	22.51	22.50	22.36
	3	2	23.11	23.07	23.05	22.20	22.16	22.14
	6	0	22.18	22.17	22.17	21.15	21.27	21.24

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	22.93	**23.07**	22.91	22.29	22.36	22.18
	1	14	23.05	23.04	23.02	22.49	22.31	22.41
	8	4	22.20	22.18	22.16	21.28	21.27	21.25
	15	0	22.19	22.16	22.12	21.26	21.21	21.19

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	23.12	**23.15**	23.14	22.42	22.58	22.53
	1	24	23.08	23.01	22.98	22.51	22.46	22.40
	12	6	22.22	22.21	22.18	21.26	21.25	21.20
	25	0	22.18	22.16	22.10	21.23	21.23	21.18

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	23.13	23.17	**23.20**	22.50	22.47	22.52
	1	49	23.03	23.09	23.02	22.36	22.35	22.40
	25	12	22.13	22.19	22.18	21.17	21.23	21.23
	50	0	22.09	22.11	22.19	21.06	21.26	21.22

LTE Band 7

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20775	Channel (Mid) 21100	Channel (High) 21425	Channel (Low) 20775	Channel (Mid) 21100	Channel (High) 21425
5	1	0	22.45	**22.48**	22.43	21.78	21.79	21.91
	1	24	22.46	22.48	22.46	21.78	21.76	21.90
	12	6	21.64	21.59	21.70	20.44	20.53	20.80
	25	0	21.46	21.45	21.46	20.45	20.46	20.42

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20800	Channel (Mid) 21100	Channel (High) 21400	Channel (Low) 20800	Channel (Mid) 21100	Channel (High) 21400
10	1	0	22.45	22.47	**22.48**	21.73	21.75	21.95
	1	49	22.45	22.45	22.48	21.74	21.91	21.79
	25	12	21.68	21.61	21.61	20.56	20.53	20.62
	50	0	21.45	21.47	21.46	20.60	20.62	20.56

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20825	Channel (Mid) 21100	Channel (High) 21375	Channel (Low) 20825	Channel (Mid) 21100	Channel (High) 21375
15	1	0	22.32	**22.38**	22.21	21.98	21.75	21.96
	1	74	22.35	22.29	22.31	21.99	21.87	22.00
	36	19	21.73	21.46	21.88	20.84	20.67	20.83
	75	0	21.47	21.48	21.47	20.86	20.67	20.84

LTE Band 7_Uplink frequency band : 2500 to 2570 MHz								
BW (MHz)	RB Size	RB Offset	Conducted power (dBm)					
			QPSK			16QAM		
			Channel (Low) 20850	Channel (Mid) 21100	Channel (High) 21350	Channel (Low) 20850	Channel (Mid) 21100	Channel (High) 21350
20	1	0	22.48	22.47	22.45	21.70	21.69	21.77
	1	99	22.31	22.47	**22.49**	21.72	21.73	21.87
	50	25	21.65	21.51	21.63	20.63	20.54	20.62
	100	0	21.46	21.48	21.45	20.45	20.43	20.43

HSDPA Release 6 MODE:

The following 4 Sub-Tests were completed according to the test requirements outlined in section 5.2A of the 3GPP TS34.121-1 V8.4.0 specification. All TX RMS power requirements for Power Class 3 were met according to table 5.2AA.5 and 5.2B.5 All UE channels and power ratio's are set according to table C10.1.4 & C11.1.3 in the 3GPP TS34.121-1 V8.4.0. RMC 12.2kps is used for this testing.

HSDPA SUB-TEST Setting

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH(FOR HSDPA)

Sub-test	β_c	β_d	β_d *(SF)*	β_c/β_d	β_{HS} *(Note1, Note 2)*	CM (dB) *(Note 3)*	MPR (dB) *(Note 3)*	RMC (Kbps)
1	2/15	15/15	64	2/15	4/15	0.0	0.0	12.2
2	12/15 *(Note 4)*	15/15 *(Note 4)*	64	12/15 *(Note 4)*	24/15	1.0	0.0	12.2
3	15/15	8/15	64	15/8	30/15	1.5	0.5	12.2
4	15/15	4/15	64	15/4	30/15	1.5	0.5	12.2

Note: The recommended HSDPA MPRs are implemented as per following sub-tests.

Results:

Mode	Sub-test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		9262	9400	9538		
HSDPA (B2)	1	**23.84**	23.80	23.33	20.3dBm – 25.7dBm	**Pass**
	2	23.55	23.77	23.32	20.3dBm – 25.7dBm	**Pass**
	3	23.36	23.35	22.80	19.8dBm – 25.7dBm	**Pass**
	4	23.43	23.36	22.92	19.8dBm – 25.7dBm	**Pass**

Mode	Sub-test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		4132	4183	4233		
HSDPA (B5)	1	23.10	23.26	**23.55**	20.3dBm – 25.7dBm	**Pass**
	2	23.24	23.29	23.30	20.3dBm – 25.7dBm	**Pass**
	3	22.64	22.78	23.06	19.8dBm – 25.7dBm	**Pass**
	4	22.69	22.82	23.12	19.8dBm – 25.7dBm	**Pass**

HSPA (HSDPA & HSUPA) Release 6 MODE

The following 5 Sub-Tests were completed according to the test requirements outlined in section 5.2A of the 3GPP TS34.121-1 V8.4.0 specification. All TX RMS power requirements for Power Class 3 were met according to table 5.2AA.5 and 5.2B.5 All UE channels and power ratio's are set according to table C11.1.3 in the 3GPP TS34.121-1 V8.4.0. RMC 12.2kps is used for this testing

HSPA SUB-TEST Setting

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH(FOR HSUPA)

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS}	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (Codes)	CM (dB)	MPR (dB)	AG Index	E-TFCI	RMC (Kbps)
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/225	1309/225	4	1	1.0	0.0	20	75	12.2
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67	12.2
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed}1$: 47/15 $\beta_{ed}2$: 47/15	4 4	2	2.0	1.0	15	92	12.2
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71	12.2
5	15/15 (Note 4)	15/15 (Note 4)	64	15/15 (Note 4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81	12.2

Note: The recommended HSUPA MPRs are implemented as per following sub-tests.

Results:

Mode	Sub-test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		9262	9400	9538		
HSUPA(B2)	1	23.59	**23.89**	23.41	18.8dBm – 25.7dBm	**Pass**
	2	21.64	21.96	21.45	16.8dBm – 25.7dBm	**Pass**
	3	22.65	22.91	22.49	17.8dBm – 25.7dBm	**Pass**
	4	21.77	22.01	21.49	16.8dBm – 25.7dBm	**Pass**
	5	23.48	23.75	23.32	18.8dBm – 25.7dBm	**Pass**

Mode	Sub-test	Avg. Power (dBm) Channel			Power Class 3 Limitation (dBm)	Comments
		4132	4183	4233		
HSUPA(B5)	1	23.27	**23.33**	22.35	18.8dBm – 25.7dBm	**Pass**
	2	21.33	21.41	21.39	16.8dBm – 25.7dBm	**Pass**
	3	22.31	22.39	22.43	17.8dBm – 25.7dBm	**Pass**
	4	21.38	21.47	21.47	16.8dBm – 25.7dBm	**Pass**
	5	23.13	23.16	23.24	18.8dBm – 25.7dBm	**Pass**

Minimum Communications Power Measurement

PCS 1900 band

PCL	0	1	2	3	4	5	6	7	8
Output power (dBm)	29.3	27.3	25.3	23.3	21.3	19.2	17.2	15.2	13.2

PCL	9	10	11	12	13	14	15
Output power (dBm)	11.2	9.2	7.2	5.1	3.2	1.5	-0.2

Note: The EUT output power was controlled by simulator. Set Communication Tester CMU200 PCL as above, and get the mobile phone output power reading.

WCDMA/HSDPA/HSUPA band II, V

The EUT output power was controlled by simulator. Set Communication Tester CMU200 function key “UE Power Control” and enter max rated power 24dBm. The EUT is going to be set to max output power to 24dBm. Then record the read (see page 15 for measurement data) . The min. power was measures by a function key “minimum power” then record the read. It is -52.3dBm. The power variation can be 0.1dB step by setting.

7. EFFECTIVE RADIATED POWER AND EQUIVALENT ISOTROPIC RADIATED POWER MEASUREMENT

7.1. Standard Applicable

According to FCC §2.1046

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

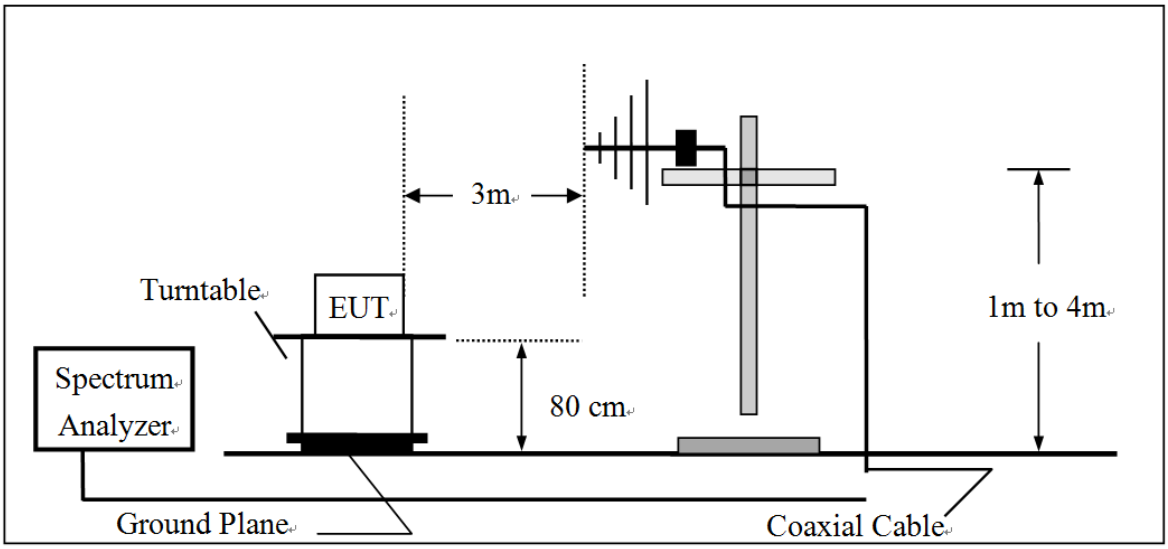
FCC 24.232(b) Mobile and portable stations are limited to 2 W EIRP.

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

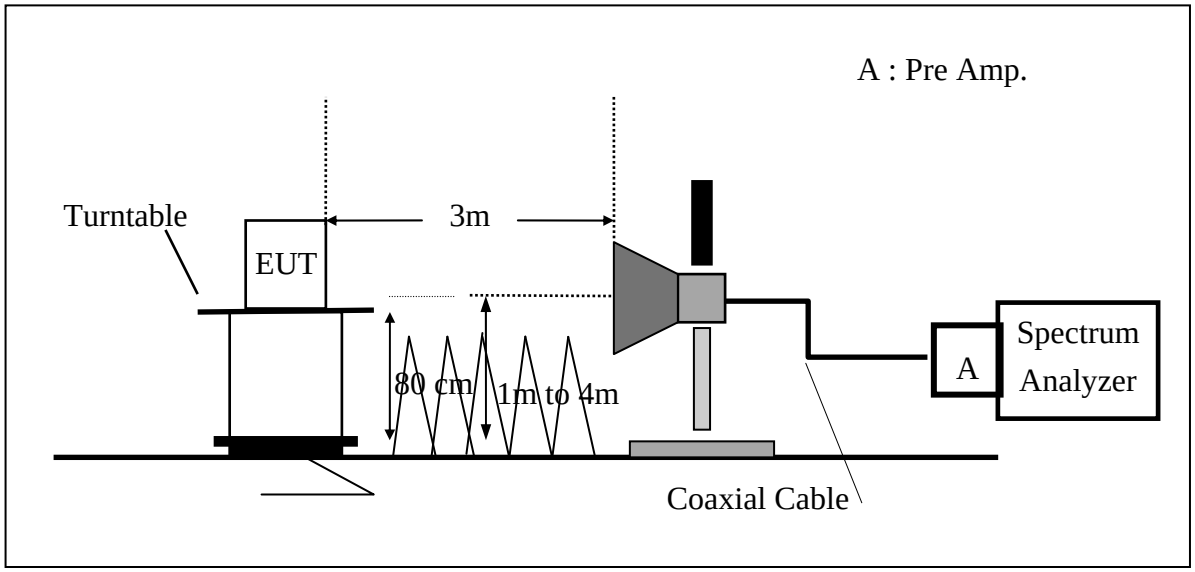
FCC 27, 50(h)(2) Mobile and other user stations. Mobile stations are limited to 2 W EIRP

7.2. Test SET-UP

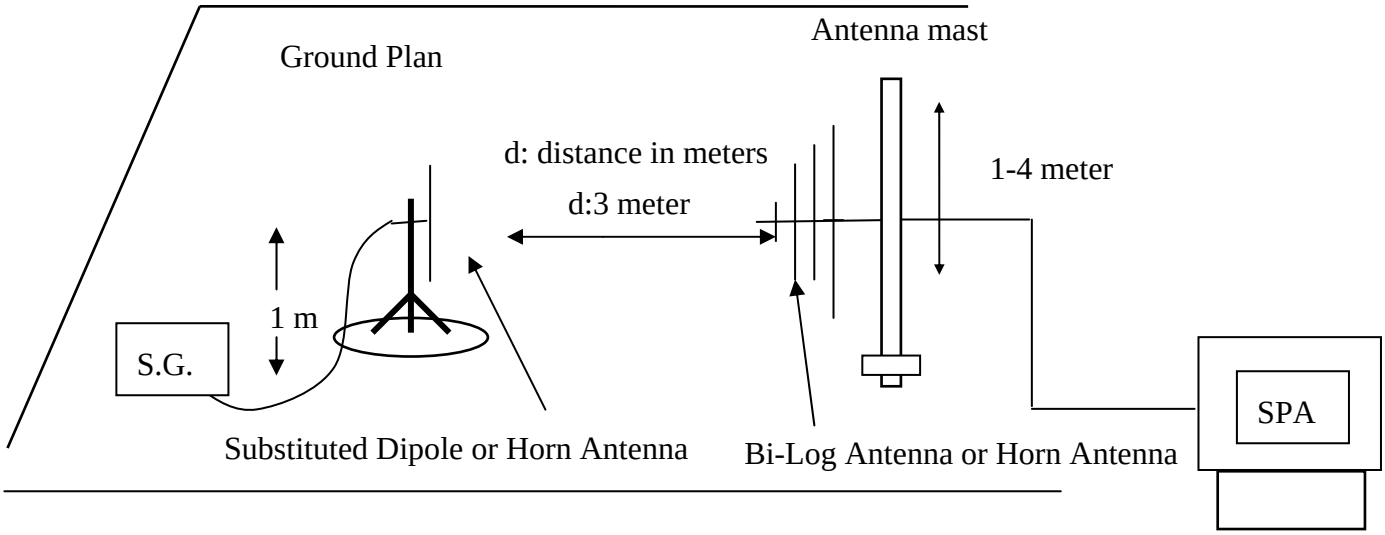
(A) Radiated Power Test Set-Up, Frequency Below1000MHz



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



(C) Substituted Method Test Set-UP



7.3. 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. output (dBm) + Antenna Gain (dBd) – Cable Loss (dB)
7. ERP = S.G. output (dBm) + Antenna Gain (dBd) – 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 > =3xRBW.
   (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.
   Set frequency = nominal signal center frequency;
   Set span = 2 X occupied BW;
   Set RBW ≈ 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 sweet time = 601*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*log (TBW/RBW), where TBW is the transmission of UE exceeding the maximum BW UE can extends, and RBW is the resolution BW in UE.

7.4. Measurement Equipment Used

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
EXA Spectrum Analyzer	Agilent	N9010A	MY50420195	12/22/2014	12/21/2015
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	07/29/2014	07/28/2015
Network Analyze	Anritsu	MS4644A	1216312	05/23/2015	05/22/2016
Signal Generator	Agilent	E4438C	MY45093613	08/06/2014	08/05/2015
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	10/08/2014	10/09/2015
Turn Table	HD	DT420	N/A	N.C.R	N.C.R
Antenna Tower	HD	MA240-N	240/657	N.C.R	N.C.R
Controller	HD	HD100	N/A	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
3m Site NSA	SGS	966 chamber	N/A	07/15/2014	07/14/2015

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

EUT			Measurement					
Operation Band	Fundamental Frequency	CH	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
GSM 850	824.2	128	V	13.47	3.45	-2.94	13.99	38.45
			H	21.47	3.45	-2.94	21.99	38.45
	836.6	190	V	12.81	3.46	-2.97	13.30	38.45
			H	21.48	3.46	-2.97	21.96	38.45
	848.8	251	V	11.61	3.47	-3.01	12.07	38.45
			H	20.39	3.47	-3.01	20.85	38.45

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
GPRS 850	824.2	128	V	12.36	3.45	-2.94	12.88	38.45
			H	21.31	3.45	-2.94	21.83	38.45
	836.6	190	V	12.42	3.46	-2.97	12.91	38.45
			H	21.26	3.46	-2.97	21.74	38.45
	848.8	251	V	11.29	3.47	-3.01	11.75	38.45
			H	20.24	3.47	-3.01	20.70	38.45

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
EDGE 850	824.2	128	V	10.97	3.45	-2.94	11.49	38.45
			H	20.31	3.45	-2.94	20.83	38.45
	836.6	190	V	11.57	3.46	-2.97	12.06	38.45
			H	20.72	3.46	-2.97	21.20	38.45
	848.8	251	V	10.59	3.47	-3.01	11.06	38.45
			H	19.69	3.47	-3.01	20.15	38.45

Remark： (1) The RBW,VBW of SPA for frequency RBW=300 KHz, VBW=1MHz

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
GSM 1900	1850.2	512	V	17.12	4.84	-4.49	17.48	33.01
			H	26.51	4.84	-4.49	26.87	33.01
	1880.0	661	V	19.53	4.79	-4.53	19.79	33.01
			H	25.85	4.79	-4.53	26.12	33.01
	1909.8	810	V	18.66	4.74	-4.57	18.84	33.01
			H	27.06	4.74	-4.57	27.24	33.01

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
GPRS 1900	1850.2	512	V	16.82	4.84	-4.49	17.17	33.01
			H	26.44	4.84	-4.49	26.80	33.01
	1880.0	661	V	19.15	4.79	-4.53	19.42	33.01
			H	25.49	4.79	-4.53	25.76	33.01
	1909.8	810	V	18.39	4.74	-4.57	18.57	33.01
			H	26.90	4.74	-4.57	27.08	33.01

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
EDGE 1900	1850.2	512	V	16.58	4.84	-4.49	16.94	33.01
			H	26.09	4.84	-4.49	26.44	33.01
	1880.0	661	V	18.00	4.79	-4.53	18.27	33.01
			H	24.86	4.79	-4.53	25.12	33.01
	1909.8	810	V	17.26	4.74	-4.57	17.44	33.01
			H	25.71	4.74	-4.57	25.89	33.01

Remark：

(1) The RBW,VBW of SPA for frequency RBW=300K, VBW=1MHz

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
WCDMA B2	1852.4	9262	V	12.24	4.84	-4.49	12.59	33.01
			H	22.60	4.84	-4.49	22.95	33.01
	1880.0	9400	V	13.85	4.79	-4.53	14.12	33.01
			H	22.63	4.79	-4.53	22.90	33.01
	1907.6	9538	V	12.85	4.75	-4.56	13.03	33.01
			H	21.92	4.75	-4.56	22.10	33.01

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
HSDPA B2	1852.4	9262	V	13.64	4.84	-4.49	13.99	33.01
			H	22.94	4.84	-4.49	23.29	33.01
	1880.0	9400	V	16.52	4.79	-4.53	16.79	33.01
			H	23.26	4.79	-4.53	23.52	33.01
	1907.6	9538	V	14.79	4.75	-4.56	14.97	33.01
			H	13.01	4.84	-4.49	13.36	33.01

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
HSUPA B2	1852.4	9262	V	23.07	4.75	-4.56	23.26	33.01
			H	22.89	4.84	-4.49	23.25	33.01
	1880.0	9400	V	15.37	4.79	-4.53	15.63	33.01
			H	23.19	4.79	-4.53	23.46	33.01
	1907.6	9538	V	14.41	4.75	-4.56	14.60	33.01
			H	22.74	4.75	-4.56	22.92	33.01

Remark：

(1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

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
WCDMA B5	826.4	4132	V	5.80	3.46	-2.94	6.31	38.45
			H	13.66	3.46	-2.94	14.17	38.45
	836.6	4183	V	4.13	3.46	-2.97	4.61	38.45
			H	13.48	3.46	-2.97	13.97	38.45
	846.6	4233	V	4.14	3.47	-3.01	4.61	38.45
			H	13.11	3.47	-3.01	13.57	38.45

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
HSDPA B5	826.4	4132	V	7.01	3.46	-2.94	7.52	38.45
			H	15.26	3.46	-2.94	15.77	38.45
	836.6	4183	V	5.53	3.46	-2.97	6.02	38.45
			H	15.19	3.46	-2.97	15.68	38.45
	846.6	4233	V	5.63	3.47	-3.01	6.09	38.45
			H	14.89	3.47	-3.01	15.35	38.45

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
HSUPA B5	826.4	4132	V	6.84	3.46	-2.94	7.35	38.45
			H	14.89	3.46	-2.94	15.40	38.45
	836.6	4183	V	4.76	3.46	-2.97	5.24	38.45
			H	14.75	3.46	-2.97	15.24	38.45
	846.6	4233	V	5.10	3.47	-3.01	5.56	38.45
			H	14.34	3.47	-3.01	14.80	38.45

Remark：

(1) The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz

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	26.60	4.84	-4.49	**26.96**	33.01
			H	22.15	4.84	-4.49	22.51	33.01
	1880.0	18900	V	25.46	4.80	-4.52	25.73	33.01
			H	20.69	4.80	-4.52	20.96	33.01
	1909.3	19193	V	24.70	4.75	-4.56	24.88	33.01
			H	18.82	4.75	-4.56	19.00	33.01
BAND 2 BW: 1.4M QPSK RB: 1,5	1850.7	18607	V	25.22	4.84	-4.49	25.58	33.01
			H	20.03	4.84	-4.49	20.39	33.01
	1880.0	18900	V	25.71	4.79	-4.53	**25.97**	33.01
			H	20.68	4.79	-4.53	20.95	33.01
	1909.3	19193	V	24.10	4.75	-4.56	24.28	33.01
			H	18.20	4.74	-4.57	18.38	33.01
BAND 2 BW: 1.4M 16QAM RB: 1,0	1850.7	18607	V	25.32	4.84	-4.49	25.68	33.01
			H	20.34	4.84	-4.49	20.70	33.01
	1880.0	18900	V	25.82	4.80	-4.52	**26.09**	33.01
			H	21.09	4.80	-4.52	21.36	33.01
	1909.3	19193	V	24.94	4.75	-4.56	25.12	33.01
			H	19.11	4.75	-4.56	19.29	33.01
BAND 2 BW: 1.4M 16QAM RB: 1,5	1850.7	18607	V	25.33	4.84	-4.49	25.69	33.01
			H	20.23	4.84	-4.49	20.58	33.01
	1880.0	18900	V	26.14	4.79	-4.53	**26.41**	33.01
			H	21.16	4.79	-4.53	21.42	33.01
	1909.3	19193	V	24.49	4.75	-4.56	24.67	33.01
			H	18.56	4.75	-4.56	18.74	33.01

Remark：

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

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	25.09	4.84	-4.49	25.45	33.01
			H	20.14	4.84	-4.49	20.49	33.01
	1880.0	18900	V	25.25	4.80	-4.52	**25.53**	33.01
			H	20.58	4.80	-4.52	20.86	33.01
	1908.5	19185	V	24.93	4.75	-4.56	25.12	33.01
			H	19.25	4.75	-4.56	19.44	33.01
BAND 2 BW: 3M QPSK RB: 1,14	1851.5	18615	V	25.01	4.84	-4.49	25.36	33.01
			H	19.83	4.84	-4.49	20.18	33.01
	1880.0	18900	V	26.05	4.79	-4.53	**26.32**	33.01
			H	20.57	4.79	-4.53	20.84	33.01
	1908.5	19185	V	24.23	4.75	-4.56	24.41	33.01
			H	18.18	4.75	-4.56	18.36	33.01
BAND 2 BW: 3M 16QAM RB: 1,0	1851.5	18615	V	25.26	4.84	-4.49	25.61	33.01
			H	20.31	4.84	-4.49	20.66	33.01
	1880.0	18900	V	25.56	4.80	-4.52	**25.83**	33.01
			H	20.88	4.80	-4.52	21.15	33.01
	1908.5	19185	V	25.16	4.75	-4.56	25.35	33.01
			H	19.47	4.75	-4.56	19.66	33.01
BAND 2 BW: 3M 16QAM RB: 1,14	1851.5	18615	V	25.25	4.84	-4.49	25.60	33.01
			H	20.24	4.84	-4.49	20.59	33.01
	1880.0	18900	V	26.43	4.79	-4.53	**26.69**	33.01
			H	20.94	4.79	-4.53	21.20	33.01
	1908.5	19185	V	24.62	4.75	-4.56	24.80	33.01
			H	18.56	4.75	-4.56	18.74	33.01

Remark：

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

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	25.21	4.84	-4.49	**25.57**	33.01
			H	20.33	4.84	-4.49	20.69	33.01
	1880.0	18900	V	24.84	4.80	-4.52	25.11	33.01
			H	20.57	4.80	-4.52	20.84	33.01
	1907.5	19175	V	24.54	4.75	-4.56	24.73	33.01
			H	19.05	4.75	-4.56	19.24	33.01
BAND 2 BW: 5M QPSK RB: 1,24	1852.5	18625	V	24.93	4.84	-4.49	25.28	33.01
			H	19.44	4.84	-4.49	19.78	33.01
	1880.0	18900	V	26.25	4.79	-4.53	**26.51**	33.01
			H	20.81	4.79	-4.53	21.07	33.01
	1907.5	19175	V	24.42	4.75	-4.56	24.60	33.01
			H	18.34	4.75	-4.56	18.52	33.01
BAND 2 BW: 5M 16QAM RB: 1,0	1852.5	18625	V	25.37	4.84	-4.49	**25.73**	33.01
			H	20.38	4.84	-4.49	20.74	33.01
	1880.0	18900	V	25.05	4.80	-4.52	25.32	33.01
			H	20.82	4.80	-4.52	21.10	33.01
	1907.5	19175	V	24.76	4.75	-4.56	24.96	33.01
			H	19.35	4.75	-4.56	19.54	33.01
BAND 2 BW: 5M 16QAM RB: 1,24	1852.5	18625	V	25.12	4.84	-4.49	25.47	33.01
			H	19.63	4.84	-4.49	19.98	33.01
	1880.0	18900	V	26.49	4.79	-4.53	**26.76**	33.01
			H	21.05	4.79	-4.53	21.31	33.01
	1907.5	19175	V	24.65	4.74	-4.57	24.83	33.01
			H	18.62	4.74	-4.57	18.80	33.01

Remark：

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

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: 10M QPSK RB: 1,0	1855.0	18650	V	25.19	4.84	-4.49	**25.55**	33.01
			H	20.18	4.84	-4.49	20.54	33.01
	1880.0	18900	V	23.73	4.80	-4.52	24.01	33.01
			H	20.09	4.80	-4.52	20.37	33.01
	1905.0	19150	V	23.77	4.76	-4.55	23.97	33.01
			H	18.35	4.76	-4.55	18.56	33.01
BAND 2 BW: 10M QPSK RB: 1,49	1855.0	18650	V	24.77	4.83	-4.50	25.10	33.01
			H	17.88	4.83	-4.50	18.21	33.01
	1880.0	18900	V	26.26	4.79	-4.53	**26.52**	33.01
			H	20.50	4.79	-4.53	20.75	33.01
	1905.0	19150	V	24.58	4.75	-4.56	24.76	33.01
			H	18.52	4.75	-4.56	18.70	33.01
BAND 2 BW: 10M 16QAM RB: 1,0	1855.0	18650	V	25.38	4.84	-4.49	**25.74**	33.01
			H	20.42	4.84	-4.49	20.77	33.01
	1880.0	18900	V	24.10	4.80	-4.52	24.39	33.01
			H	20.46	4.80	-4.52	20.74	33.01
	1905.0	19150	V	24.02	4.76	-4.55	24.22	33.01
			H	18.56	4.76	-4.55	18.77	33.01
BAND 2 BW: 10M 16QAM RB: 1,49	1855.0	18650	V	25.03	4.83	-4.50	25.37	33.01
			H	18.17	4.83	-4.50	18.50	33.01
	1880.0	18900	V	26.56	4.79	-4.53	**26.81**	33.01
			H	20.80	4.79	-4.53	21.05	33.01
	1905.0	19150	V	24.81	4.75	-4.56	24.99	33.01
			H	18.75	4.75	-4.56	18.93	33.01

Remark：

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

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	25.19	4.84	-4.49	**25.55**	33.01
			H	20.26	4.84	-4.49	20.62	33.01
	1880.0	18900	V	23.27	4.81	-4.52	23.56	33.01
			H	19.50	4.81	-4.52	19.79	33.01
	1902.5	19125	V	24.86	4.77	-4.55	25.08	33.01
			H	18.57	4.77	-4.55	18.79	33.01
BAND 2 BW: 15M QPSK RB: 1,74	1857.5	18675	V	24.57	4.82	-4.50	24.88	33.01
			H	17.60	4.82	-4.50	17.92	33.01
	1880.0	18900	V	26.61	4.78	-4.53	**26.86**	33.01
			H	20.52	4.78	-4.54	20.77	33.01
	1902.5	19125	V	24.69	4.75	-4.56	24.88	33.01
			H	18.66	4.75	-4.56	18.84	33.01
BAND 2 BW: 15M 16QAM RB: 1,0	1857.5	18675	V	25.40	4.84	-4.49	**25.75**	33.01
			H	20.39	4.84	-4.49	20.75	33.01
	1880.0	18900	V	23.60	4.81	-4.52	23.89	33.01
			H	19.82	4.80	-4.52	20.11	33.01
	1902.5	19125	V	25.06	4.77	-4.55	25.28	33.01
			H	18.79	4.77	-4.55	19.01	33.01
BAND 2 BW: 15M 16QAM RB: 1,74	1857.5	18675	V	24.82	4.82	-4.50	25.14	33.01
			H	17.91	4.82	-4.50	18.23	33.01
	1880.0	18900	V	26.82	4.78	-4.53	**27.07**	33.01
			H	20.70	4.78	-4.53	20.95	33.01
	1902.5	19125	V	24.97	4.75	-4.56	25.15	33.01
			H	18.95	4.75	-4.56	19.14	33.01

Remark：

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

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	25.35	4.84	-4.49	25.71	33.01
			H	20.24	4.84	-4.49	20.60	33.01
	1880.0	18900	V	22.74	4.81	-4.51	23.03	33.01
			H	18.65	4.81	-4.51	18.95	33.01
	1900.0	19100	V	26.07	4.78	-4.54	**26.31**	33.01
			H	19.37	4.78	-4.54	19.61	33.01
BAND 2 BW: 20M QPSK RB: 1,99	1860.0	18700	V	23.15	4.81	-4.51	23.45	33.01
			H	17.87	4.81	-4.51	18.17	33.01
	1880.0	18900	V	26.65	4.78	-4.54	**26.89**	33.01
			H	19.94	4.78	-4.54	20.18	33.01
	1900.0	19100	V	24.85	4.75	-4.56	25.03	33.01
			H	18.51	4.75	-4.56	18.69	33.01
BAND 2 BW: 20M 16QAM RB: 1,0	1860.0	18700	V	25.38	4.84	-4.49	25.73	33.01
			H	20.35	4.84	-4.49	20.71	33.01
	1880.0	18900	V	23.03	4.81	-4.51	23.33	33.01
			H	18.99	4.81	-4.51	19.28	33.01
	1900.0	19100	V	26.11	4.78	-4.54	**26.34**	33.01
			H	19.43	4.78	-4.54	19.67	33.01
BAND 2 BW: 20M 16QAM RB: 1,99	1860.0	18700	V	23.51	4.81	-4.51	23.81	33.01
			H	18.29	4.81	-4.51	18.59	33.01
	1880.0	18900	V	26.71	4.78	-4.54	**26.96**	33.01
			H	20.10	4.78	-4.54	20.34	33.01
	1900.0	19100	V	25.03	4.75	-4.56	25.22	33.01
			H	18.72	4.75	-4.56	18.90	33.01

Remark：

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

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	25.17	5.09	-4.29	**25.97**	30.00
			H	20.21	5.09	-4.29	21.01	30.00
	1732.5	20175	V	24.65	5.05	-4.31	25.39	30.00
			H	21.91	5.05	-4.31	22.65	30.00
	1754.3	20393	V	24.40	5.01	-4.37	25.04	30.00
			H	20.04	5.01	-4.37	20.69	30.00
BAND 4 BW: 1.4M QPSK RB: 1,5	1710.7	19957	V	24.94	5.09	-4.29	**25.74**	30.00
			H	19.98	5.09	-4.29	20.78	30.00
	1732.5	20175	V	24.74	5.05	-4.31	25.48	30.00
			H	21.95	5.05	-4.31	22.68	30.00
	1754.3	20393	V	24.38	5.01	-4.37	25.01	30.00
			H	20.06	5.01	-4.37	20.70	30.00
BAND 4 BW: 1.4M 16QAM RB: 1,0	1710.7	19957	V	25.42	5.09	-4.29	**26.23**	30.00
			H	20.59	5.09	-4.29	21.39	30.00
	1732.5	20175	V	24.93	5.05	-4.31	25.66	30.00
			H	22.24	5.05	-4.31	22.98	30.00
	1754.3	20393	V	24.46	5.01	-4.37	25.10	30.00
			H	20.36	5.01	-4.37	21.00	30.00
BAND 4 BW: 1.4M 16QAM RB: 1,5	1710.7	19957	V	25.19	5.09	-4.29	**25.99**	30.00
			H	20.43	5.09	-4.29	21.23	30.00
	1732.5	20175	V	25.18	5.05	-4.31	25.92	30.00
			H	22.37	5.05	-4.31	23.10	30.00
	1754.3	20393	V	24.46	5.01	-4.37	25.09	30.00
			H	20.39	5.01	-4.37	21.02	30.00

Remark：

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

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	24.64	5.09	-4.29	**25.45**	30.00
			H	20.12	5.09	-4.29	20.92	30.00
	1732.5	20175	V	23.78	5.05	-4.31	24.52	30.00
			H	21.65	5.05	-4.31	22.40	30.00
	1753.5	20385	V	24.00	5.01	-4.37	24.65	30.00
			H	20.03	5.02	-4.37	20.68	30.00
BAND 4 BW: 3M QPSK RB: 1,14	1711.5	19965	V	24.04	5.09	-4.29	24.83	30.00
			H	19.66	5.09	-4.29	20.46	30.00
	1732.5	20175	V	24.49	5.05	-4.31	**25.23**	30.00
			H	22.09	5.05	-4.32	22.82	30.00
	1753.5	20385	V	24.14	5.01	-4.37	24.78	30.00
			H	20.23	5.01	-4.37	20.86	30.00
BAND 4 BW: 3M 16QAM RB: 1,0	1711.5	19965	V	24.95	5.09	-4.29	**25.75**	30.00
			H	20.46	5.09	-4.29	21.26	30.00
	1732.5	20175	V	24.16	5.05	-4.31	24.90	30.00
			H	21.95	5.05	-4.31	22.69	30.00
	1753.5	20385	V	24.24	5.01	-4.37	24.89	30.00
			H	20.30	5.02	-4.37	20.95	30.00
BAND 4 BW: 3M 16QAM RB: 1,14	1711.5	19965	V	24.41	5.09	-4.29	25.20	30.00
			H	20.01	5.09	-4.29	20.80	30.00
	1732.5	20175	V	24.93	5.05	-4.31	**25.67**	30.00
			H	22.56	5.05	-4.32	23.29	30.00
	1753.5	20385	V	24.33	5.01	-4.37	24.96	30.00
			H	20.46	5.01	-4.37	21.09	30.00

Remark：

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

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	24.68	5.09	-4.29	**25.48**	30.00
			H	19.92	5.09	-4.29	20.72	30.00
	1732.5	20175	V	23.63	5.05	-4.31	24.38	30.00
			H	21.43	5.05	-4.31	22.18	30.00
	1752.5	20375	V	23.95	5.02	-4.36	24.60	30.00
			H	20.00	5.02	-4.36	20.65	30.00
BAND 4 BW: 5M QPSK RB: 1,24	1712.5	19975	V	23.77	5.08	-4.29	24.56	30.00
			H	19.33	5.08	-4.29	20.12	30.00
	1732.5	20175	V	24.73	5.04	-4.32	**25.45**	30.00
			H	22.14	5.05	-4.32	22.87	30.00
	1752.5	20375	V	24.15	5.01	-4.37	24.78	30.00
			H	20.18	5.01	-4.37	20.82	30.00
BAND 4 BW: 5M 16QAM RB: 1,0	1712.5	19975	V	25.04	5.09	-4.29	**25.84**	30.00
			H	20.34	5.09	-4.29	21.14	30.00
	1732.5	20175	V	23.93	5.05	-4.31	24.68	30.00
			H	21.73	5.05	-4.31	22.48	30.00
	1752.5	20375	V	24.24	5.02	-4.36	24.90	30.00
			H	20.39	5.02	-4.36	21.05	30.00
BAND 4 BW: 5M 16QAM RB: 1,24	1712.5	19975	V	24.07	5.08	-4.29	24.86	30.00
			H	19.66	5.08	-4.29	20.44	30.00
	1732.5	20175	V	25.19	5.04	-4.32	**25.92**	30.00
			H	22.60	5.05	-4.32	23.33	30.00
	1752.5	20375	V	24.32	5.01	-4.38	24.96	30.00
			H	20.45	5.01	-4.37	21.09	30.00

Remark：

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

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	24.47	5.09	-4.29	**25.27**	30.00
			H	19.92	5.09	-4.29	20.72	30.00
	1732.5	20175	V	22.84	5.06	-4.30	23.59	30.00
			H	21.00	5.06	-4.30	21.76	30.00
	1750.0	20350	V	24.31	5.03	-4.35	24.99	30.00
			H	20.45	5.03	-4.35	21.13	30.00
BAND 4 BW: 10M QPSK RB: 1,49	1715.0	20000	V	22.67	5.07	-4.30	23.45	30.00
			H	19.73	5.07	-4.30	20.51	30.00
	1732.5	20175	V	24.94	5.04	-4.32	**25.66**	30.00
			H	22.30	5.04	-4.32	23.02	30.00
	1750.0	20350	V	24.11	5.01	-4.37	24.74	30.00
			H	20.19	5.01	-4.37	20.83	30.00
BAND 4 BW: 10M 16QAM RB: 1,0	1715.0	20000	V	24.85	5.09	-4.29	**25.65**	30.00
			H	20.28	5.09	-4.29	21.08	30.00
	1732.5	20175	V	23.06	5.06	-4.30	23.82	30.00
			H	21.21	5.06	-4.30	21.96	30.00
	1750.0	20350	V	24.75	5.03	-4.35	25.43	30.00
			H	20.91	5.03	-4.35	21.59	30.00
BAND 4 BW: 10M 16QAM RB: 1,49	1715.0	20000	V	22.89	5.07	-4.30	23.67	30.00
			H	19.97	5.07	-4.30	20.74	30.00
	1732.5	20175	V	25.50	5.04	-4.32	**26.22**	30.00
			H	22.82	5.04	-4.32	23.54	30.00
	1750.0	20350	V	24.25	5.01	-4.37	24.89	30.00
			H	20.37	5.01	-4.37	21.01	30.00

Remark：

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

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	24.56	5.09	-4.29	25.37	30.00
			H	19.77	5.09	-4.29	20.57	30.00
	1732.5	20175	V	22.68	5.06	-4.30	23.44	30.00
			H	20.55	5.06	-4.30	21.30	30.00
	1747.5	20325	V	25.28	5.03	-4.34	**25.98**	30.00
			H	21.79	5.03	-4.34	22.49	30.00
BAND 4 BW: 15M QPSK RB: 1,74	1717.5	20025	V	22.50	5.06	-4.30	23.26	30.00
			H	20.36	5.06	-4.30	21.12	30.00
	1732.5	20175	V	25.29	5.04	-4.33	**25.99**	30.00
			H	22.11	5.04	-4.33	22.82	30.00
	1747.5	20325	V	24.04	5.01	-4.37	24.68	30.00
			H	20.16	5.01	-4.37	20.80	30.00
BAND 4 BW: 15M 16QAM RB: 1,0	1717.5	20025	V	24.89	5.09	-4.29	25.69	30.00
			H	20.11	5.09	-4.29	20.91	30.00
	1732.5	20175	V	22.83	5.06	-4.30	23.59	30.00
			H	20.71	5.06	-4.30	21.47	30.00
	1747.5	20325	V	25.85	5.03	-4.34	**26.55**	30.00
			H	22.40	5.03	-4.34	23.10	30.00
BAND 4 BW: 15M 16QAM RB: 1,74	1717.5	20025	V	22.64	5.06	-4.30	23.40	30.00
			H	20.53	5.06	-4.30	21.29	30.00
	1732.5	20175	V	25.86	5.04	-4.33	**26.57**	30.00
			H	22.70	5.04	-4.33	23.40	30.00
	1747.5	20325	V	24.21	5.01	-4.37	24.85	30.00
			H	20.46	5.01	-4.37	21.10	30.00

Remark：

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

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	24.36	5.09	-4.29	25.16	30.00
			H	19.70	5.09	-4.29	20.50	30.00
	1732.5	20175	V	22.44	5.07	-4.30	23.20	30.00
			H	20.23	5.07	-4.30	21.00	30.00
	1745.0	20300	V	25.05	5.04	-4.32	**25.77**	30.00
			H	22.24	5.04	-4.32	22.96	30.00
BAND 4 BW: 20M QPSK RB: 1,99	1720.0	20050	V	23.27	5.06	-4.30	24.02	30.00
			H	21.02	5.06	-4.30	21.77	30.00
	1732.5	20175	V	25.01	5.03	-4.34	**25.71**	30.00
			H	21.32	5.03	-4.34	22.01	30.00
	1745.0	20300	V	23.85	5.01	-4.37	24.49	30.00
			H	20.18	5.01	-4.37	20.82	30.00
BAND 4 BW: 20M 16QAM RB: 1,0	1720.0	20050	V	24.70	5.09	-4.29	25.50	30.00
			H	20.00	5.09	-4.29	20.80	30.00
	1732.5	20175	V	22.63	5.07	-4.30	23.40	30.00
			H	20.43	5.07	-4.30	21.20	30.00
	1745.0	20300	V	25.52	5.04	-4.32	**26.24**	30.00
			H	22.76	5.04	-4.32	23.48	30.00
BAND 4 BW: 20M 16QAM RB: 1,99	1720.0	20050	V	23.57	5.06	-4.30	24.33	30.00
			H	20.52	5.06	-4.30	21.29	30.00
	1732.5	20175	V	25.79	5.03	-4.34	**26.48**	30.00
			H	22.22	5.03	-4.34	22.92	30.00
	1745.0	20300	V	24.04	5.01	-4.37	24.68	30.00
			H	20.40	5.01	-4.37	21.04	30.00

Remark：

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

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	12.33	3.45	-2.94	12.85	38.45
			H	13.91	3.45	-2.94	14.43	38.45
	836.5	20525	V	10.70	3.46	-2.97	11.19	38.45
			H	13.79	3.46	-2.97	14.28	38.45
	848.3	20643	V	11.08	3.47	-3.01	11.54	38.45
			H	14.00	3.47	-3.01	**14.46**	38.45
BAND 5 BW: 1.4M QPSK RB: 1,5	824.7	20407	V	12.60	3.46	-2.94	13.11	38.45
			H	14.42	3.46	-2.94	**14.93**	38.45
	836.5	20525	V	10.71	3.46	-2.97	11.20	38.45
			H	13.74	3.46	-2.97	14.23	38.45
	848.3	20643	V	10.48	3.47	-3.01	10.94	38.45
			H	13.41	3.47	-3.00	13.88	38.45
BAND 5 BW: 1.4M 16QAM RB: 1,0	824.7	20407	V	12.51	3.45	-2.94	13.03	38.45
			H	14.20	3.45	-2.94	14.71	38.45
	836.5	20525	V	10.90	3.46	-2.97	11.39	38.45
			H	13.92	3.46	-2.97	14.41	38.45
	848.3	20643	V	11.20	3.47	-3.01	11.66	38.45
			H	14.32	3.47	-3.00	**14.78**	38.45
BAND 5 BW: 1.4M 16QAM RB: 1,5	824.7	20407	V	13.08	3.46	-2.94	13.59	38.45
			H	14.88	3.46	-2.94	**15.40**	38.45
	836.5	20525	V	10.99	3.46	-2.97	11.48	38.45
			H	14.02	3.46	-2.97	14.51	38.45
	848.3	20643	V	10.72	3.47	-3.01	11.18	38.45
			H	13.68	3.47	-3.01	14.14	38.45

Remark：

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

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	12.42	3.45	-2.94	12.94	38.45
			H	13.81	3.45	-2.94	14.33	38.45
	836.5	20525	V	11.01	3.46	-2.97	11.50	38.45
			H	13.68	3.46	-2.97	14.17	38.45
	847.5	20635	V	11.62	3.47	-3.00	12.09	38.45
			H	14.56	3.47	-3.00	**15.02**	38.45
BAND 5 BW: 3M QPSK RB: 1,14	825.5	20415	V	13.28	3.46	-2.94	13.79	38.45
			H	15.18	3.46	-2.94	**15.69**	38.45
	836.5	20525	V	11.38	3.46	-2.97	11.86	38.45
			H	13.97	3.46	-2.97	14.46	38.45
	847.5	20635	V	10.39	3.47	-3.01	10.85	38.45
			H	13.04	3.47	-3.01	13.50	38.45
BAND 5 BW: 3M 16QAM RB: 1,0	825.5	20415	V	12.61	3.46	-2.94	13.12	38.45
			H	14.13	3.45	-2.94	14.65	38.45
	836.5	20525	V	11.26	3.46	-2.97	11.75	38.45
			H	13.89	3.46	-2.97	14.38	38.45
	847.5	20635	V	11.86	3.47	-3.00	12.33	38.45
			H	14.77	3.47	-3.00	**15.23**	38.45
BAND 5 BW: 3M 16QAM RB: 1,14	825.5	20415	V	13.85	3.46	-2.94	14.37	38.45
			H	15.75	3.46	-2.94	**16.26**	38.45
	836.5	20525	V	11.71	3.46	-2.98	12.20	38.45
			H	14.25	3.46	-2.98	14.74	38.45
	847.5	20635	V	10.59	3.47	-3.01	11.05	38.45
			H	13.21	3.47	-3.01	13.67	38.45

Remark：

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

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	12.28	3.46	-2.94	12.80	38.45
			H	13.79	3.45	-2.94	14.31	38.45
	836.5	20525	V	11.03	3.46	-2.97	11.53	38.45
			H	13.65	3.46	-2.97	14.14	38.45
	846.5	20625	V	13.31	3.46	-2.99	13.78	38.45
			H	15.84	3.46	-2.99	**16.31**	38.45
BAND 5 BW: 5M QPSK RB: 1,24	826.5	20425	V	13.10	3.46	-2.95	13.61	38.45
			H	15.00	3.46	-2.95	**15.50**	38.45
	836.5	20525	V	11.72	3.46	-2.98	12.21	38.45
			H	14.19	3.46	-2.98	14.68	38.45
	846.5	20625	V	10.47	3.47	-3.01	10.93	38.45
			H	12.82	3.47	-3.01	13.28	38.45
BAND 5 BW: 5M 16QAM RB: 1,0	826.5	20425	V	12.67	3.45	-2.94	13.19	38.45
			H	14.14	3.45	-2.94	14.66	38.45
	836.5	20525	V	11.26	3.46	-2.97	11.76	38.45
			H	13.89	3.46	-2.97	14.38	38.45
	846.5	20625	V	13.71	3.47	-2.99	14.19	38.45
			H	16.26	3.46	-2.99	**16.73**	38.45
BAND 5 BW: 5M 16QAM RB: 1,24	826.5	20425	V	13.57	3.46	-2.95	14.08	38.45
			H	15.45	3.46	-2.95	**15.96**	38.45
	836.5	20525	V	12.07	3.46	-2.98	12.56	38.45
			H	14.53	3.46	-2.98	15.01	38.45
	846.5	20625	V	10.70	3.47	-3.00	11.16	38.45
			H	13.03	3.47	-3.00	13.49	38.45

Remark：

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

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	12.63	3.45	-2.94	13.15	38.45
			H	13.84	3.46	-2.94	14.36	38.45
	836.5	20525	V	11.46	3.46	-2.96	11.95	38.45
			H	14.07	3.46	-2.96	14.56	38.45
	844.0	20600	V	12.23	3.46	-2.98	12.71	38.45
			H	14.59	3.46	-2.98	**15.07**	38.45
BAND 5 BW: 10M QPSK RB: 1,49	829.0	20450	V	10.97	3.46	-2.97	11.46	38.45
			H	12.73	3.46	-2.97	13.22	38.45
	836.5	20525	V	12.39	3.46	-2.99	12.86	38.45
			H	15.18	3.46	-2.98	**15.66**	38.45
	844.0	20600	V	10.44	3.47	-3.01	10.90	38.45
			H	12.87	3.47	-3.01	13.33	38.45
BAND 5 BW: 10M 16QAM RB: 1,0	829.0	20450	V	12.77	3.45	-2.94	13.29	38.45
			H	14.08	3.45	-2.94	14.60	38.45
	836.5	20525	V	11.66	3.46	-2.96	12.16	38.45
			H	14.30	3.46	-2.96	14.80	38.45
	844.0	20600	V	12.44	3.46	-2.98	12.92	38.45
			H	14.88	3.46	-2.98	**15.36**	38.45
BAND 5 BW: 10M 16QAM RB: 1,49	829.0	20450	V	11.24	3.46	-2.97	11.73	38.45
			H	12.98	3.46	-2.96	13.48	38.45
	836.5	20525	V	12.75	3.46	-2.99	13.23	38.45
			H	15.54	3.46	-2.99	**16.01**	38.45
	844.0	20600	V	10.68	3.47	-3.00	11.14	38.45
			H	13.13	3.47	-3.00	13.59	38.45

Remark：

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

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 7 BW: 5M QPSK RB: 1,0	2502.5	20775	V	24.80	5.80	-5.34	25.26	33.01
			H	29.21	5.80	-5.34	29.67	33.01
	2535.0	21100	V	22.28	5.87	-5.39	22.77	33.01
			H	29.51	5.87	-5.38	**30.00**	33.01
	2567.5	21425	V	19.81	5.94	-5.44	20.31	33.01
			H	26.52	5.94	-5.44	27.02	33.01
BAND 7 BW: 5M QPSK RB: 1,24	2502.5	20775	V	24.32	5.81	-5.35	24.79	33.01
			H	29.57	5.81	-5.35	**30.04**	33.01
	2535.0	21100	V	21.17	5.88	-5.39	21.66	33.01
			H	29.50	5.88	-5.39	29.99	33.01
	2567.5	21425	V	18.44	5.95	-5.44	18.94	33.01
			H	26.92	5.95	-5.44	27.43	33.01
BAND 7 BW: 5M 16QAM RB: 1,0	2502.5	20775	V	25.32	5.80	-5.34	25.78	33.01
			H	30.07	5.80	-5.34	30.53	33.01
	2535.0	21100	V	22.63	5.87	-5.38	23.11	33.01
			H	30.10	5.87	-5.38	**30.58**	33.01
	2567.5	21425	V	20.00	5.94	-5.44	20.50	33.01
			H	27.30	5.94	-5.44	27.81	33.01
BAND 7 BW: 5M 16QAM RB: 1,24	2502.5	20775	V	24.71	5.81	-5.35	25.17	33.01
			H	29.60	5.81	-5.35	30.07	33.01
	2535.0	21100	V	21.32	5.88	-5.39	21.81	33.01
			H	29.89	5.88	-5.39	**30.37**	33.01
	2567.5	21425	V	19.14	5.95	-5.44	19.65	33.01
			H	27.02	5.95	-5.44	27.52	33.01

Remark：

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

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 7 BW: 10M QPSK RB: 1,0	2505.0	20800	V	25.17	5.80	-5.34	25.63	33.01
			H	29.10	5.80	-5.34	**29.56**	33.01
	2535.0	21100	V	23.49	5.87	-5.38	23.98	33.01
			H	28.66	5.87	-5.38	29.14	33.01
	2565.0	21400	V	20.44	5.93	-5.43	20.94	33.01
			H	27.36	5.93	-5.43	27.86	33.01
BAND 7 BW: 10M QPSK RB: 1,49	2505.0	20800	V	21.90	5.82	-5.35	22.37	33.01
			H	28.57	5.82	-5.35	29.04	33.01
	2535.0	21100	V	20.71	5.88	-5.40	21.19	33.01
			H	28.57	5.89	-5.40	**29.06**	33.01
	2565.0	21400	V	19.10	5.95	-5.44	19.61	33.01
			H	26.21	5.95	-5.44	26.72	33.01
BAND 7 BW: 10M 16QAM RB: 1,0	2505.0	20800	V	25.31	5.80	-5.34	25.77	33.01
			H	29.98	5.80	-5.34	**30.43**	33.01
	2535.0	21100	V	23.92	5.87	-5.38	24.40	33.01
			H	29.88	5.87	-5.38	30.37	33.01
	2565.0	21400	V	20.68	5.93	-5.43	21.18	33.01
			H	27.96	5.93	-5.43	28.46	33.01
BAND 7 BW: 10M 16QAM RB: 1,49	2505.0	20800	V	22.37	5.82	-5.35	22.84	33.01
			H	29.59	5.82	-5.35	**30.06**	33.01
	2535.0	21100	V	20.90	5.88	-5.40	21.39	33.01
			H	28.86	5.88	-5.40	29.35	33.01
	2565.0	21400	V	19.21	5.95	-5.44	19.71	33.01
			H	26.82	5.95	-5.44	27.33	33.01

Remark：

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

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 7 BW: 15M QPSK RB: 1,0	2507.5	20825	V	26.56	5.80	-5.34	27.02	33.01
			H	28.67	5.80	-5.34	**29.13**	33.01
	2535.0	21100	V	25.48	5.86	-5.38	25.96	33.01
			H	28.45	5.86	-5.38	28.93	33.01
	2562.5	21375	V	23.43	5.92	-5.42	23.93	33.01
			H	26.90	5.92	-5.42	27.40	33.01
BAND 7 BW: 15M QPSK RB: 1,74	2507.5	20825	V	25.37	5.83	-5.36	25.84	33.01
			H	28.12	5.83	-5.36	**28.60**	33.01
	2535.0	21100	V	25.19	5.89	-5.40	25.68	33.01
			H	27.59	5.89	-5.40	28.08	33.01
	2562.5	21375	V	24.96	5.95	-5.44	25.47	33.01
			H	25.96	5.95	-5.44	26.47	33.01
BAND 7 BW: 15M 16QAM RB: 1,0	2507.5	20825	V	25.57	5.80	-5.34	26.03	33.01
			H	29.71	5.80	-5.34	**30.17**	33.01
	2535.0	21100	V	26.41	5.86	-5.38	26.89	33.01
			H	28.96	5.86	-5.38	29.44	33.01
	2562.5	21375	V	24.26	5.92	-5.42	24.76	33.01
			H	27.63	5.92	-5.42	28.13	33.01
BAND 7 BW: 15M 16QAM RB: 1,74	2507.5	20825	V	26.49	5.83	-5.36	26.96	33.01
			H	29.25	5.83	-5.36	**29.72**	33.01
	2535.0	21100	V	26.10	5.89	-5.40	26.59	33.01
			H	28.56	5.89	-5.40	29.05	33.01
	2562.5	21375	V	21.64	5.95	-5.44	22.15	33.01
			H	26.74	5.95	-5.44	27.25	33.01

Remark：

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

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 7 BW: 20M QPSK RB: 1,0	2510.0	20850	V	24.03	5.80	-5.34	24.49	33.01
			H	28.54	5.80	-5.34	**29.00**	33.01
	2535.0	21100	V	24.68	5.86	-5.38	25.16	33.01
			H	27.53	5.86	-5.37	28.02	33.01
	2560.0	21350	V	21.31	5.91	-5.41	21.81	33.01
			H	26.74	5.91	-5.41	27.24	33.01
BAND 7 BW: 20M QPSK RB: 1,99	2510.0	20850	V	23.10	5.84	-5.36	23.58	33.01
			H	27.59	5.84	-5.36	**28.07**	33.01
	2535.0	21100	V	19.09	5.89	-5.40	19.58	33.01
			H	27.56	5.89	-5.40	28.05	33.01
	2560.0	21350	V	19.15	5.95	-5.44	19.66	33.01
			H	26.12	5.95	-5.44	26.62	33.01
BAND 7 BW: 20M 16QAM RB: 1,0	2510.0	20850	V	25.17	5.80	-5.34	25.63	33.01
			H	29.69	5.80	-5.34	**30.15**	33.01
	2535.0	21100	V	25.61	5.86	-5.37	26.09	33.01
			H	28.47	5.85	-5.37	28.95	33.01
	2560.0	21350	V	22.14	5.91	-5.41	22.64	33.01
			H	27.65	5.91	-5.41	28.14	33.01
BAND 7 BW: 20M 16QAM RB: 1,99	2510.0	20850	V	24.19	5.84	-5.36	24.67	33.01
			H	28.68	5.84	-5.36	**29.16**	33.01
	2535.0	21100	V	20.07	5.89	-5.40	20.56	33.01
			H	28.49	5.90	-5.40	28.98	33.01
	2560.0	21350	V	19.79	5.95	-5.44	20.30	33.01
			H	26.86	5.95	-5.44	27.37	33.01

Remark：

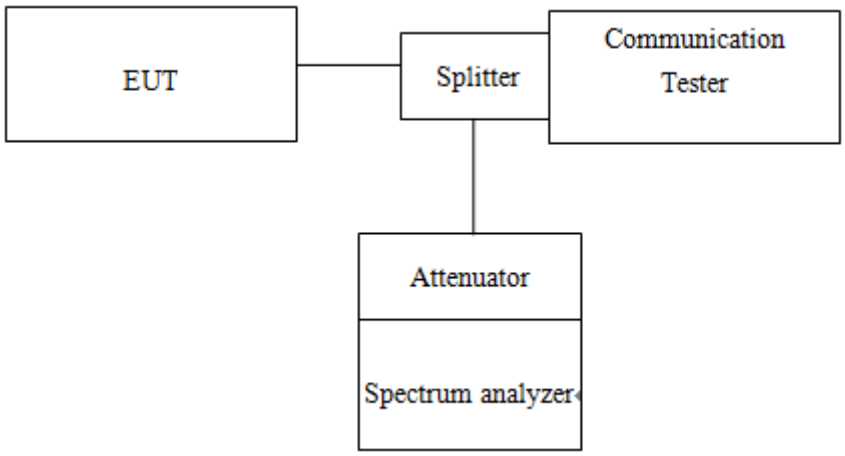
(1) The RBW,VBW of SPA for frequency RBW= 8MHz , VBW= 8MHz

8. OCCUPIED BANDWIDTH MEASUREMENT

8.1. 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.

8.2. Test Set-up



8.3. Measurement Procedure

99% &26dB Bandwidth with detector peak

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%.

8.4. 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

8.5. Measurement Result

99% Bandwidth

Frequency (MHz)	CH	99% Bandwidth (KHz)	99% Bandwidth (KHz)	99% Bandwidth (KHz)
		GSM 850	GPRS 850	EDGE 850
824.20	128	245.05	**251.41**	247.42
836.60	190	242.53	245.45	**256.91**
848.80	251	**250.52**	250.18	249.69

Frequency (MHz)	CH	99% Bandwidth (KHz)	99% Bandwidth (KHz)	99% Bandwidth (KHz)
		GSM 1900	GPRS 1900	EDGE 1900
1850.20	512	249.94	240.51	242.65
1880.00	661	**253.31**	243.21	245.17
1909.80	810	245.28	**252.25**	**246.32**

Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		WCDMA II	HSDPA II	HSUPA II
1850.20	9262	**4.2064**	4.2274	**4.2129**
1880.00	9400	4.1934	**4.2343**	4.1986
1909.80	9538	4.2056	4.2318	4.1987

Frequency (MHz)	CH	99% Bandwidth (MHz)	99% Bandwidth (MHz)	99% Bandwidth (MHz)
		WCDMA V	HSDPA V	HSUPA V
826.40	4132	4.1850	4.1909	4.1957
836.60	4183	**4.2372**	4.2230	**4.2316**
846.60	4233	4.1965	**4.2351**	4.2102

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	1.1002	**1.1014**	1851.5	18615	2.7083	2.7122
1880.0	18900	1.0944	1.0984	1880.0	18900	**2.7102**	**2.7151**
1909.3	19193	**1.1003**	1.1011	1908.5	19185	2.7099	2.7074

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	4.5214	**4.5245**	1855.0	18650	8.9983	**8.9829**
1880.0	18900	**4.5416**	4.4956	1880.0	18900	8.9954	8.9729
1907.5	19175	4.5136	4.5088	1905.0	19150	**9.0160**	8.9677

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	**13.4829**	**13.4962**	1860.0	18700	17.9375	**17.9572**
1880.0	18900	13.3860	13.4768	1880.0	18900	17.9377	17.9190
1902.5	19125	13.4615	13.4861	1900.0	19100	**17.9817**	17.9056

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	1.0981	**1.1009**	1711.5	19965	2.7149	**2.7079**
1732.5	20175	1.0933	1.0974	1732.5	20175	2.7098	2.6930
1754.3	20393	**1.0998**	1.0982	1753.5	20385	**2.7185**	2.7026

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	4.5111	4.5129	1715.0	20000	8.9977	8.9667
1732.5	20175	4.5123	**4.5158**	1732.5	20175	8.9635	**8.9743**
1752.5	20375	**4.5163**	4.5090	1750.0	20350	**9.0077**	8.9710

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	13.4466	13.4640	1720.0	20050	17.9208	17.9718
1732.5	20175	**13.4788**	**13.4831**	1732.5	20175	**17.9676**	**17.9720**
1747.5	20325	13.4690	13.4555	1745.0	20300	17.9009	17.9319

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	**1.0965**	**1.1047**	825.5	20415	2.7035	2.7057
836.5	20525	1.0924	1.0982	836.5	20525	2.7184	**2.7107**
848.3	20643	1.0909	1.0983	847.5	20635	**2.7472**	2.7053

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	4.5398	**4.5165**	829.0	20450	**8.9918**	8.9662
836.5	20525	4.5350	4.5149	836.5	20525	8.9865	**8.9960**
846.5	20625	**4.4869**	4.5147	844.0	20600	8.9878	8.9847

LTE BAND 7							
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
2502.5	20775	**4.5114**	**4.5070**	2505.0	20800	**9.0131**	8.9765
2535.0	21100	4.5080	4.4921	2535.0	21100	9.0070	**8.9851**
2567.5	21425	4.5064	4.5005	2565.0	21400	8.9881	8.9285

LTE BAND 7							
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
2507.5	20825	13.4513	13.4655	2510.0	20850	17.9339	17.9375
2535.0	21100	**13.4720**	**13.4942**	2535.0	21100	**17.9786**	**17.9897**
2562.5	21375	13.4590	13.4270	2560.0	21350	17.8732	17.8878

26dB Bandwidth

Frequency (MHz)	CH	26dB Bandwidth (KHz)	26dB Bandwidth (KHz)	26dB Bandwidth (KHz)
		GSM 850	GPRS 850	EDGE 850
824.20	128	310.8	**323.3**	311.8
836.60	190	**314.8**	309.1	**325.3**
848.80	251	312.8	315.4	324.1

Frequency (MHz)	CH	26dB Bandwidth (KHz)	26dB Bandwidth (KHz)	26dB Bandwidth (KHz)
		GSM 1900	GPRS 1900	EDGE 1900
1850.20	512	316.9	301.6	300.3
1880.00	661	**325.0**	308.6	317.9
1909.80	810	315.1	**321.9**	**319.7**

Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		WCDMA II	HSDPA II	HSUPA II
1850.20	9262	4.831	4.809	4.867
1880.00	9400	**4.839**	**4.827**	4.836
1909.80	9538	4.811	4.797	**4.867**

Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		WCDMA V	HSDPA V	HSUPA V
826.40	4132	**4.796**	4.778	4.815
836.60	4183	4.777	**4.849**	**4.817**
846.60	4233	4.796	4.821	4.815

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	**1.284**	**1.274**	1851.5	18615	**2.979**	2.965
1880.0	18900	1.265	1.262	1880.0	18900	2.972	2.949
1909.3	19193	1.270	1.266	1908.5	19185	2.963	**2.977**

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	**5.068**	4.987	1855.0	18650	9.803	9.819
1880.0	18900	4.753	4.953	1880.0	18900	**9.894**	9.834
1907.5	19175	5.005	**5.049**	1905.0	19150	9.838	**9.859**

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	**14.857**	14.666	1860.0	18700	**19.598**	**19.503**
1880.0	18900	14.431	14.602	1880.0	18900	19.433	19.108
1902.5	19125	14.576	**14.751**	1900.0	19100	19.426	19.438

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	1.264	1.261	1711.5	19965	2.964	2.983
1732.5	20175	1.258	1.267	1732.5	20175	2.970	**2.984**
1754.3	20393	**1.265**	**1.270**	1753.5	20385	**2.973**	2.964

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	**5.084**	**5.053**	1715.0	20000	9.721	9.751
1732.5	20175	5.023	4.972	1732.5	20175	9.787	9.787
1752.5	20375	5.022	4.985	1750.0	20350	**9.891**	**9.818**

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	14.666	14.769	1720.0	20050	19.262	**19.601**
1732.5	20175	**14.728**	**14.852**	1732.5	20175	**19.444**	19.309
1747.5	20325	14.684	14.658	1745.0	20300	19.167	19.332

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	**1.268**	**1.292**	825.5	20415	**2.977**	**2.969**
836.5	20525	1.262	1.268	836.5	20525	2.959	2.940
848.3	20643	1.261	1.274	847.5	20635	2.923	2.959

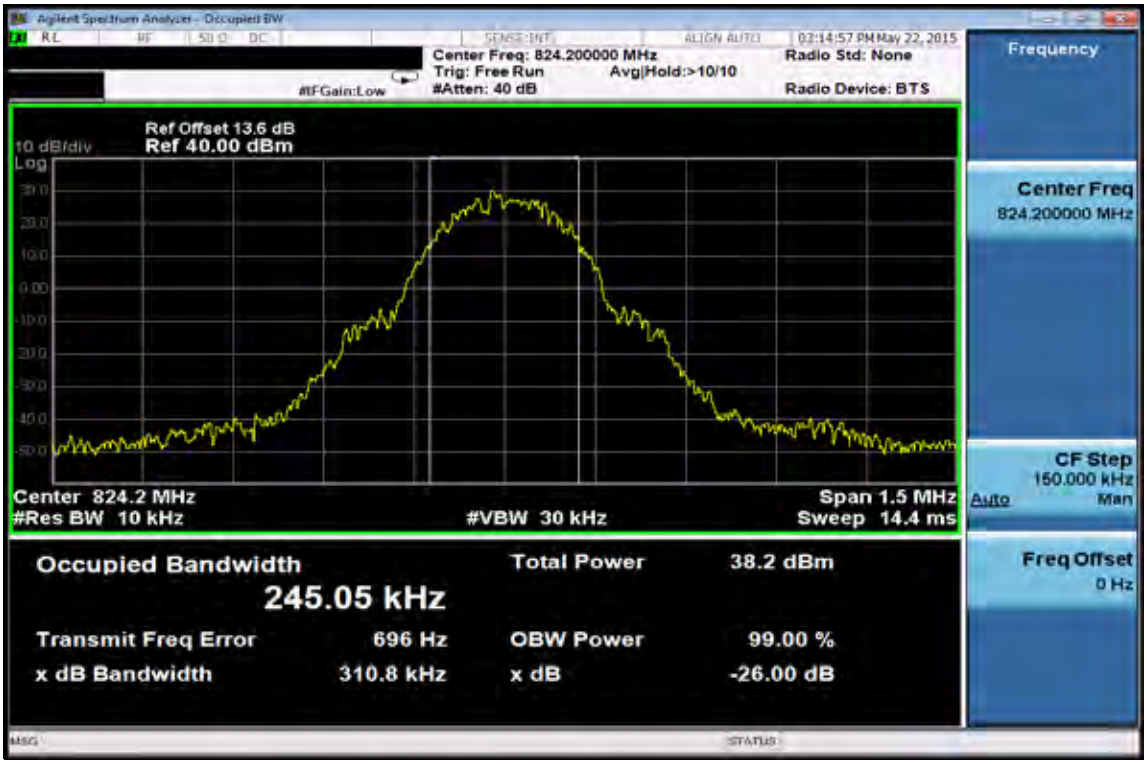
LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
826.5	20425	**5.049**	**5.041**	829.0	20450	**9.904**	9.821
836.5	20525	5.030	5.020	836.5	20525	9.671	**9.879**
846.5	20625	4.847	5.013	844.0	20600	9.832	9.778

LTE BAND 7							
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
2502.5	20775	**5.071**	**5.051**	2505.0	20800	9.889	**9.848**
2535.0	21100	5.017	4.903	2535.0	21100	**9.889**	9.848
2567.5	21425	5.020	4.903	2565.0	21400	9.538	9.393

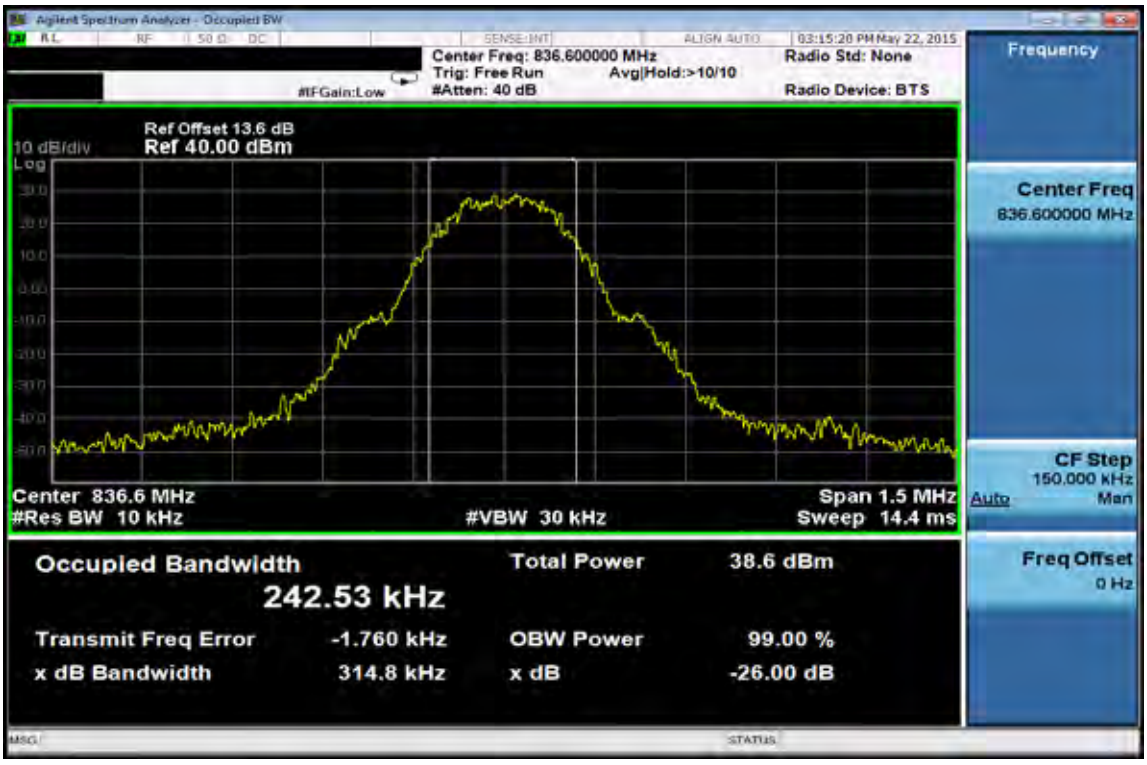
LTE BAND 7							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	Frequency (MHz)	CH	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	16QAM			QPSK	16QAM
2507.5	20825	**14.684**	**14.682**	2510.0	20850	19.401	**19.418**
2535.0	21100	14.459	14.367	2535.0	21100	**19.514**	19.179
2562.5	21375	14.669	14.405	2560.0	21350	19.126	19.211

99% & 26dB Bandwidth Test Data

GSM 850 Channel Low



GSM 850 Channel Mid



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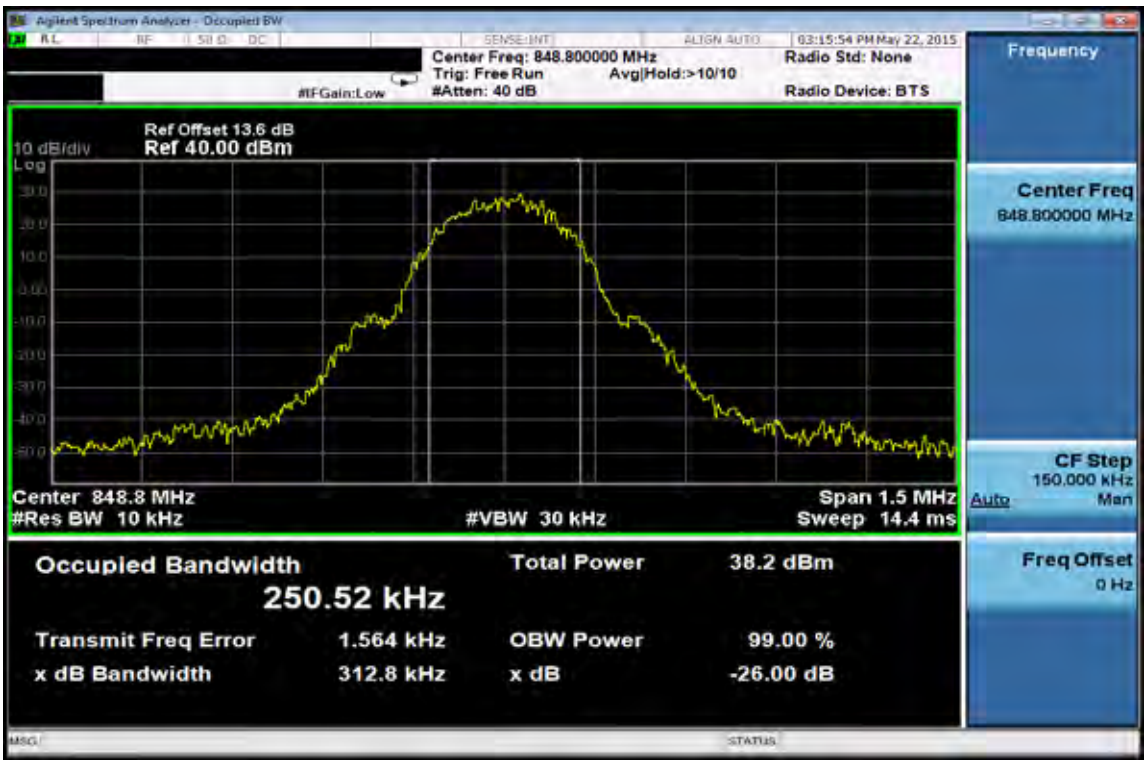

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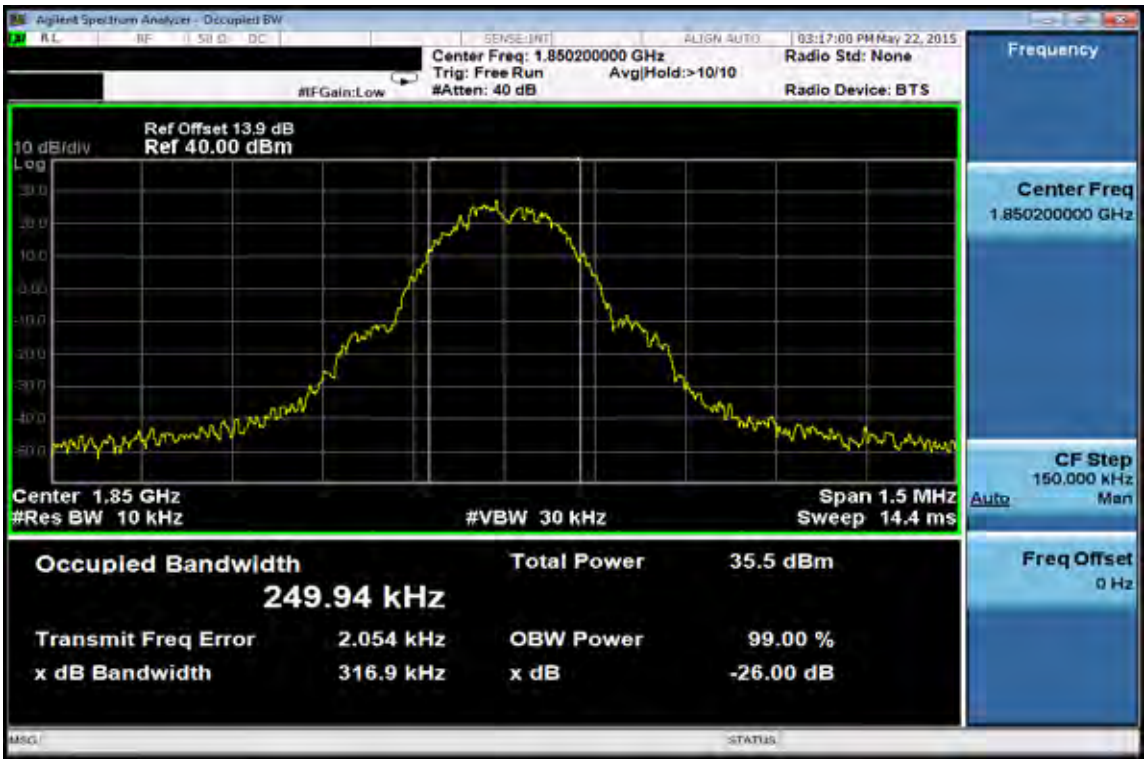

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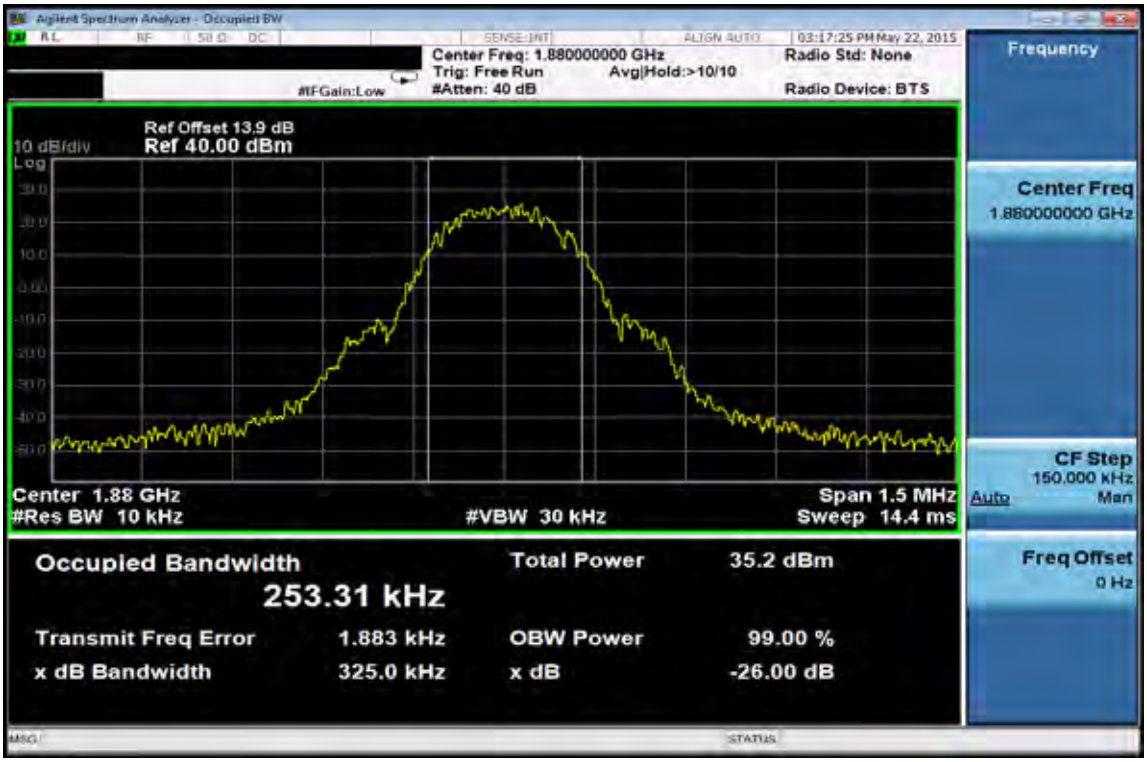

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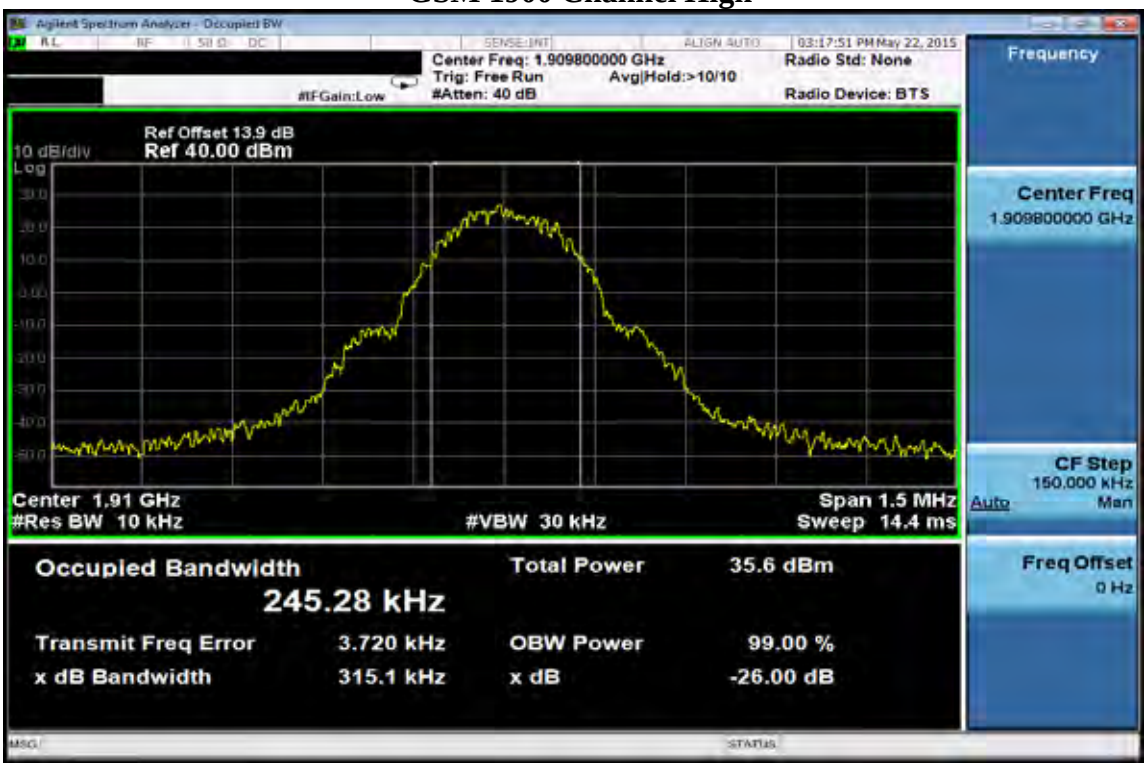
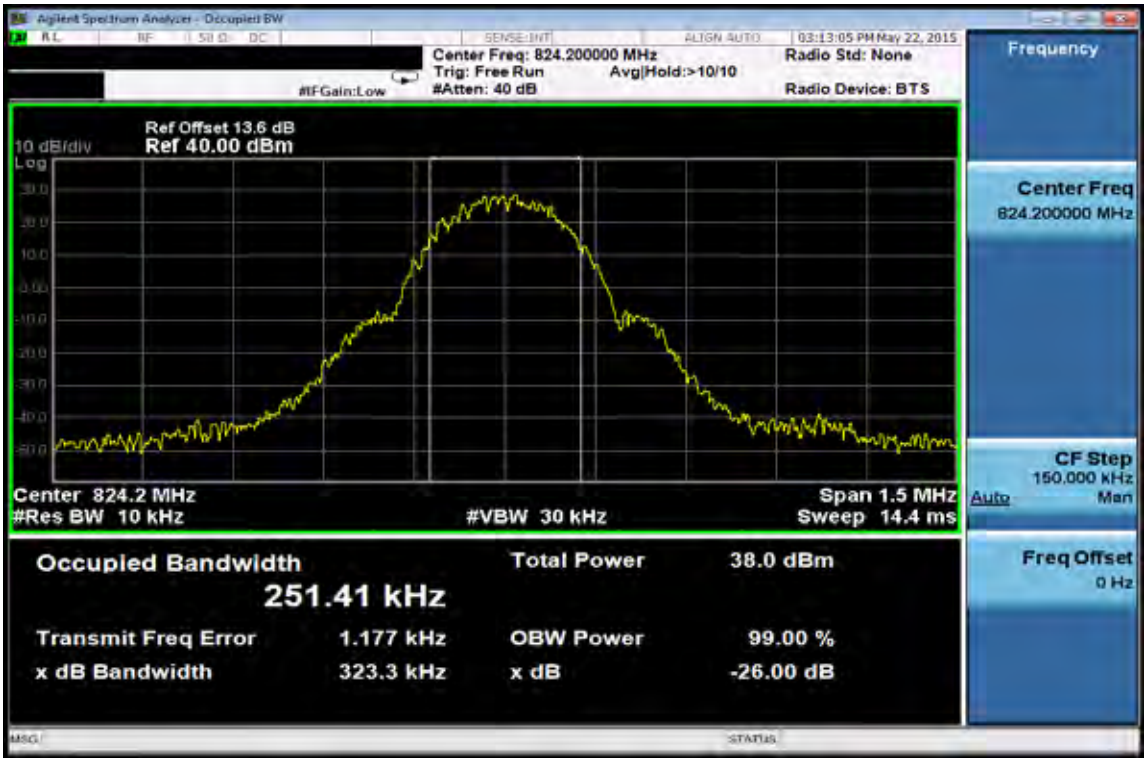


GPRS 850 Channel Low



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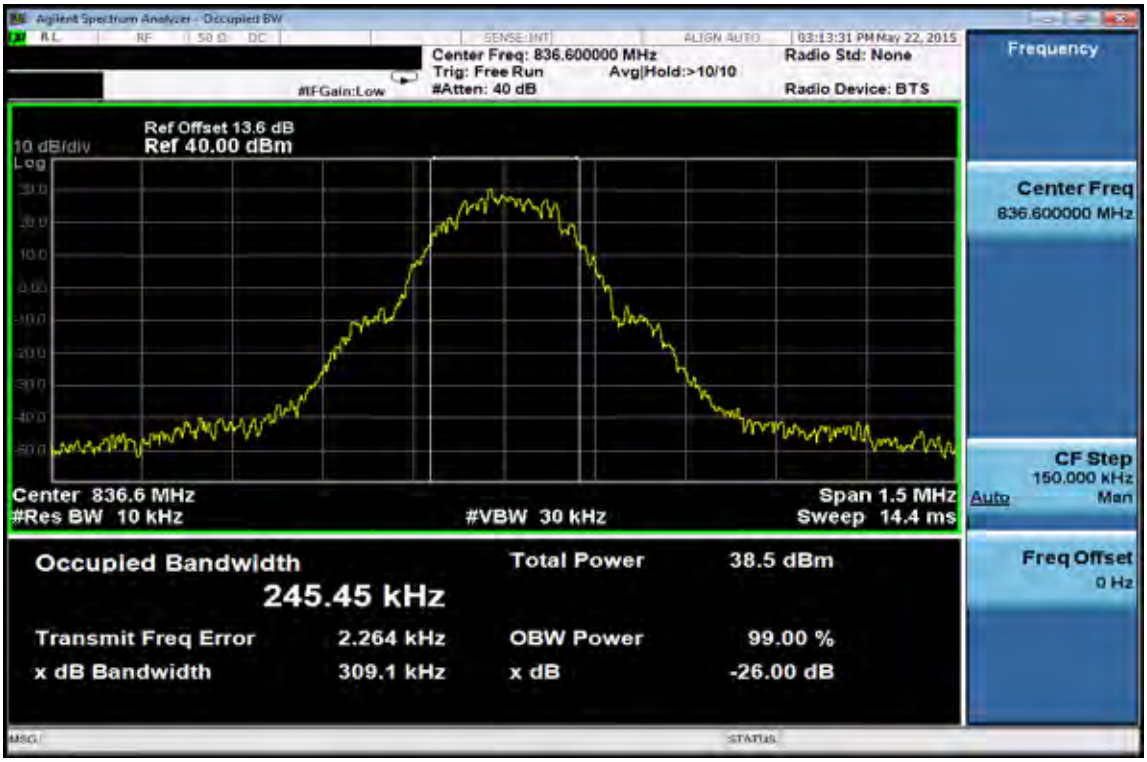

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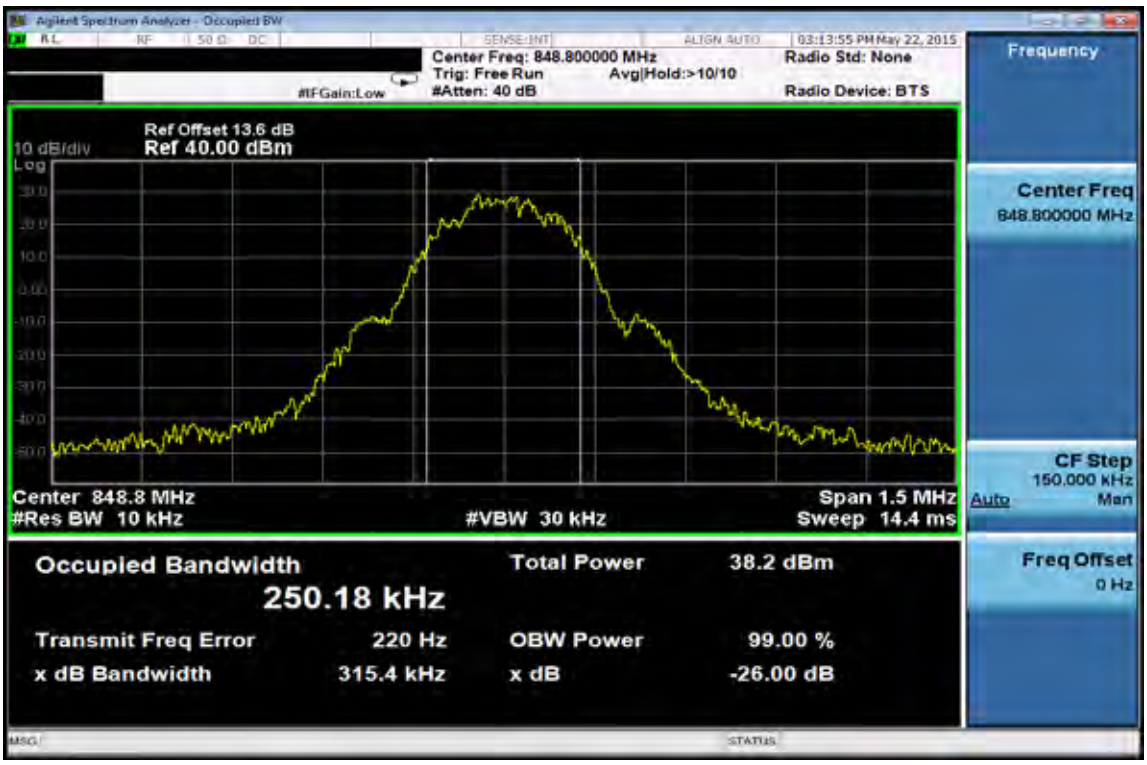

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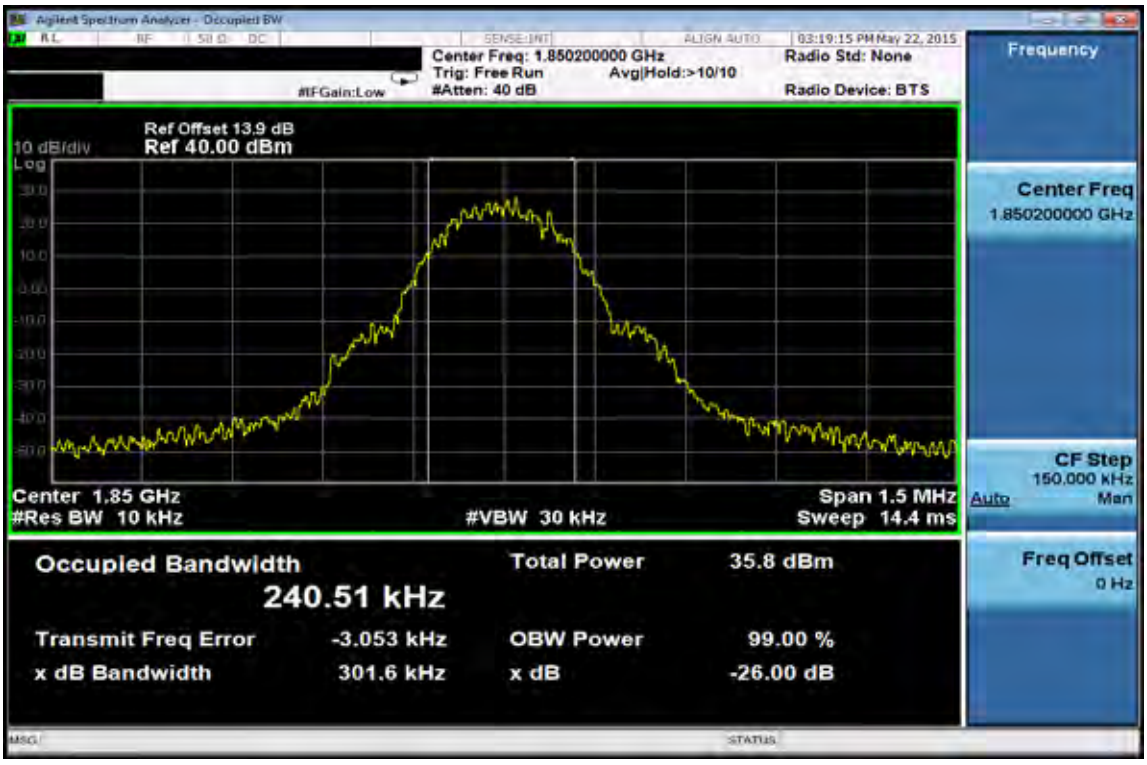

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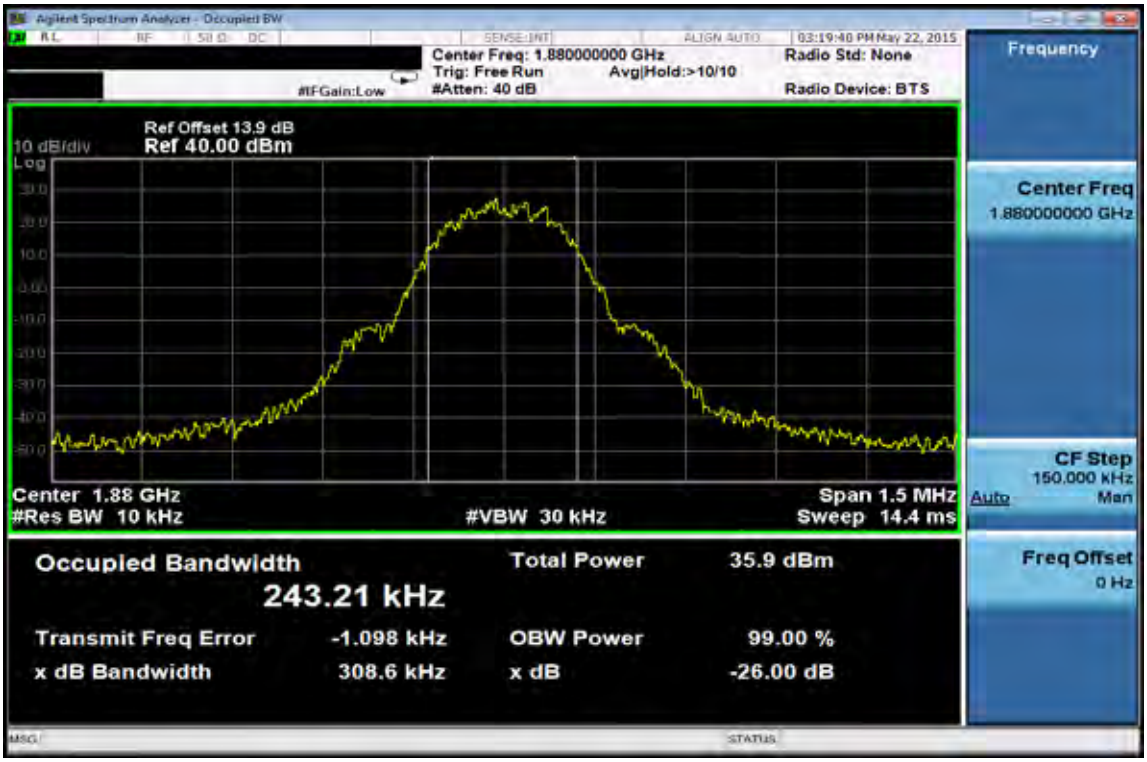

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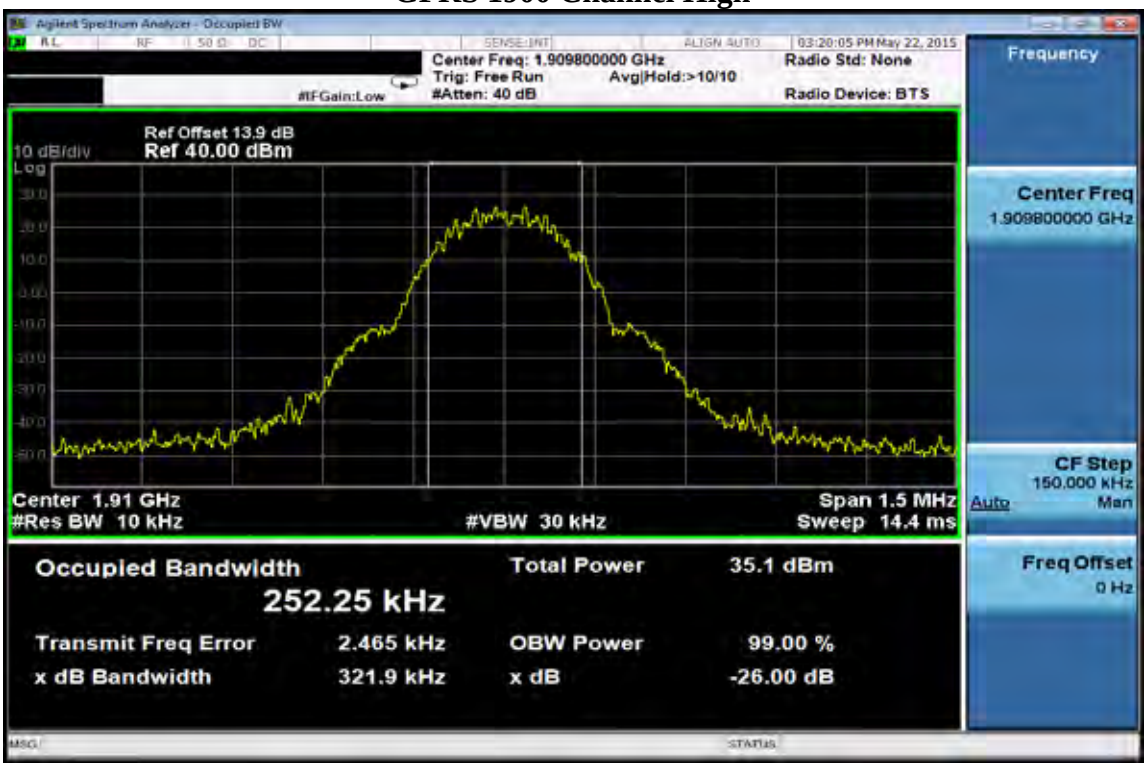
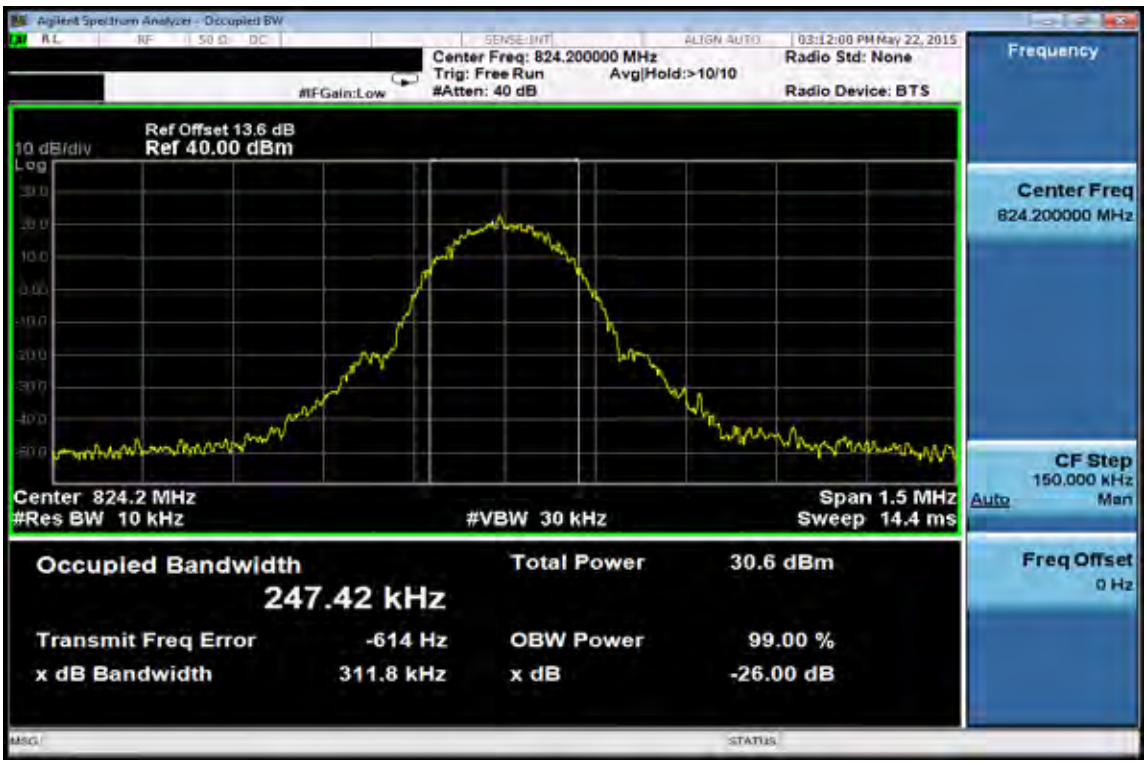


EDGE 850 Channel Low



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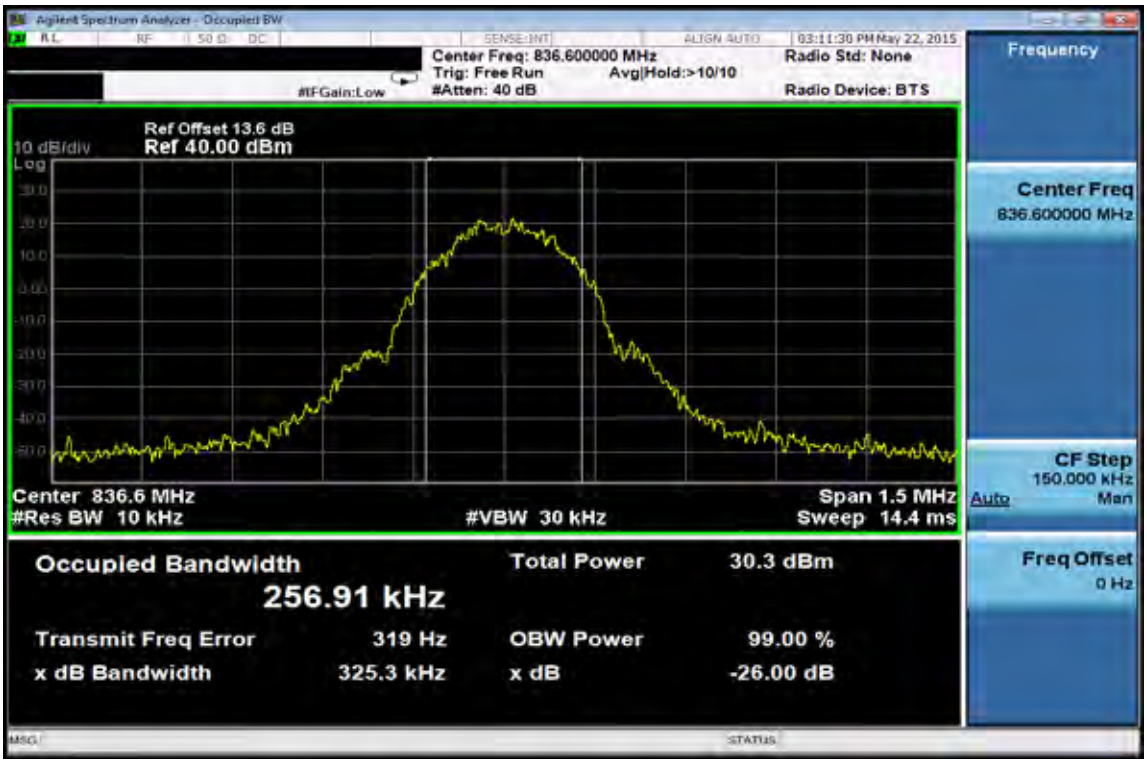

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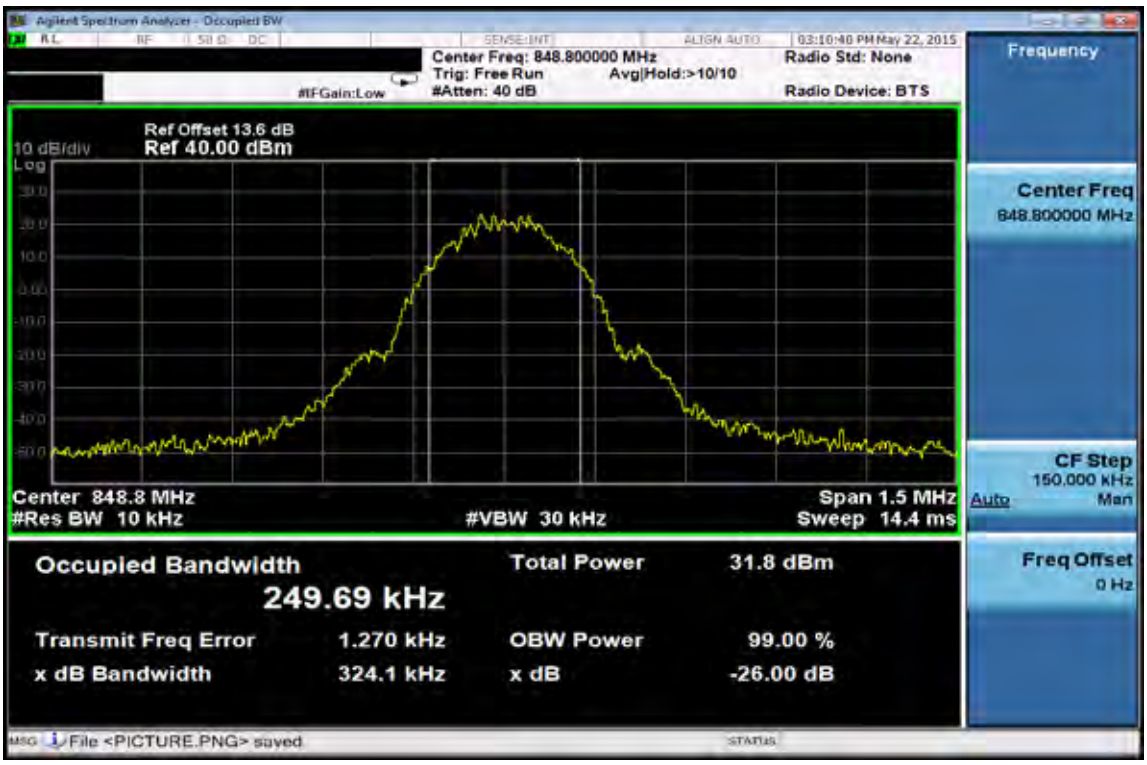

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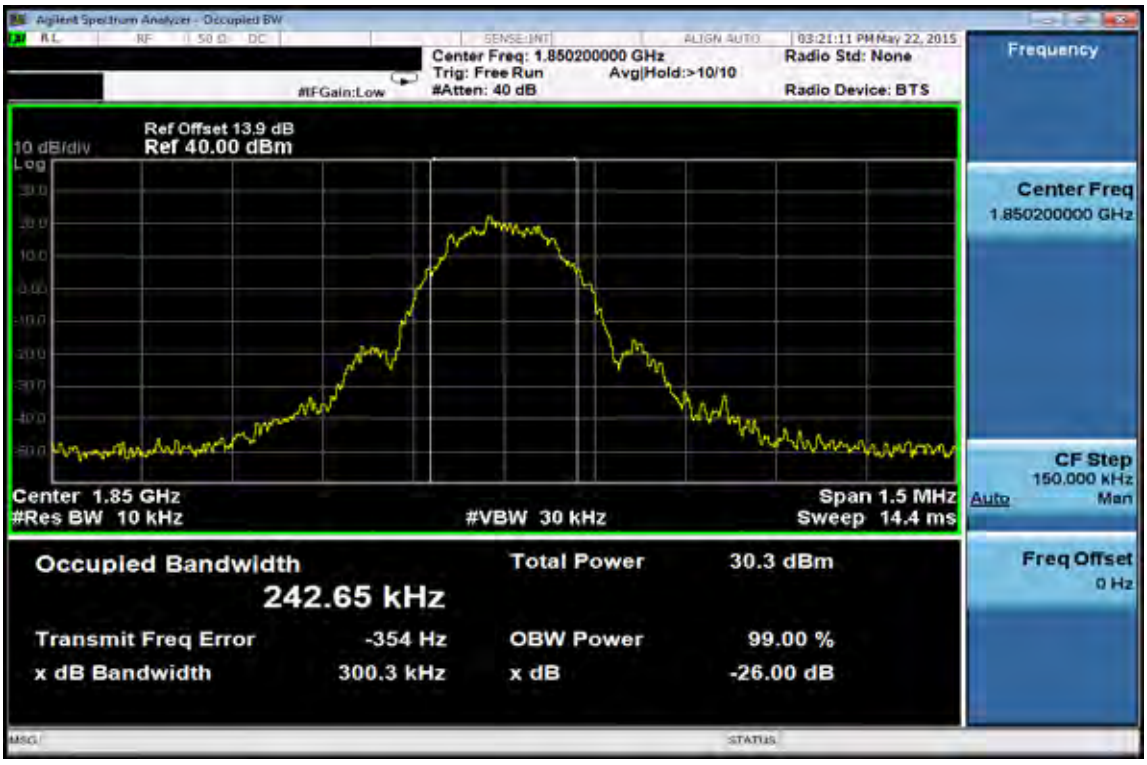

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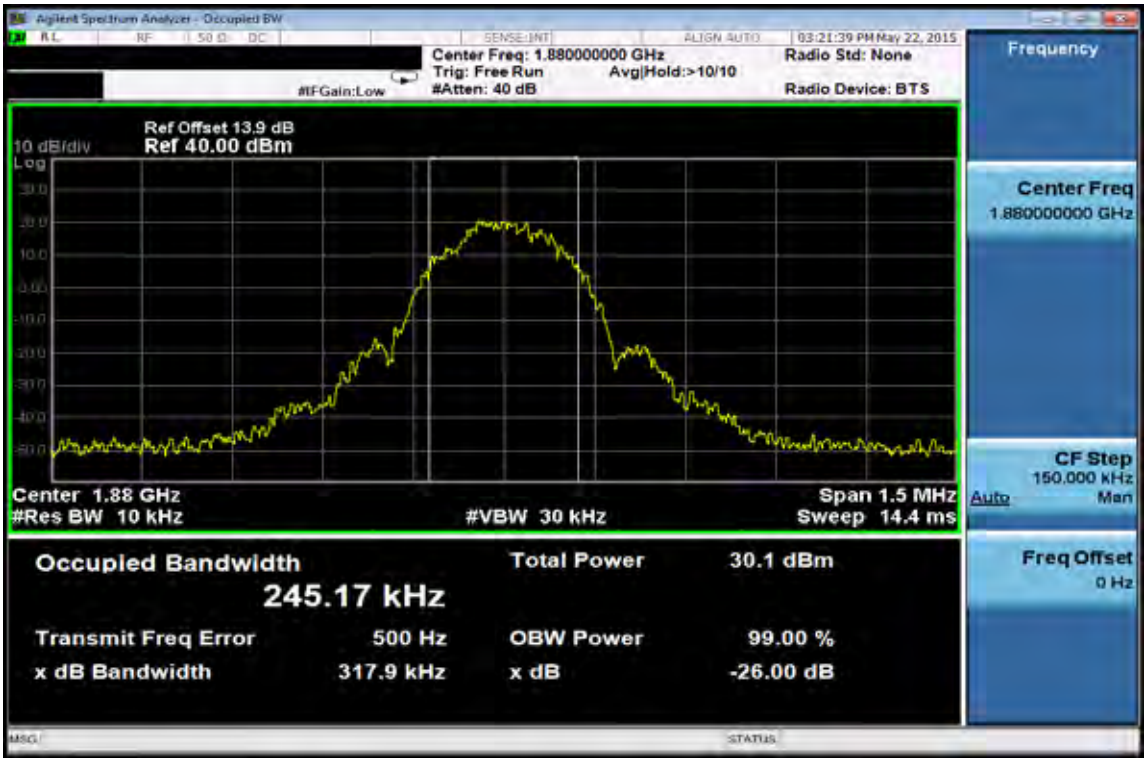

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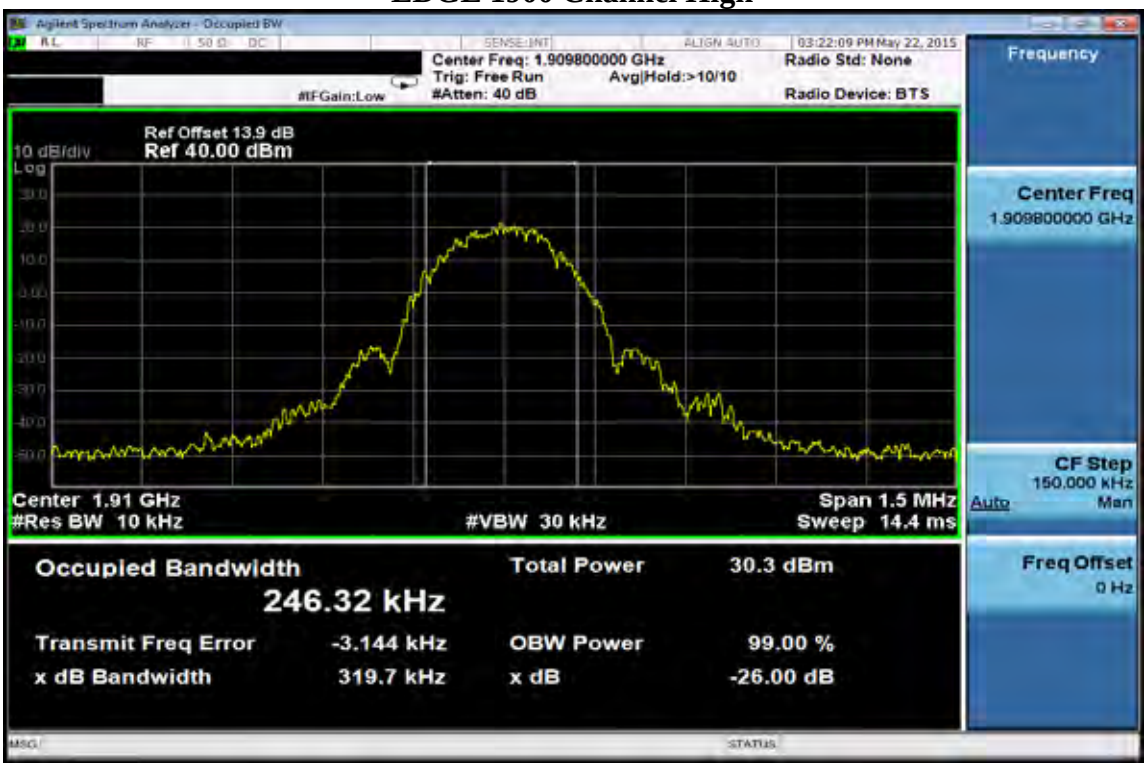
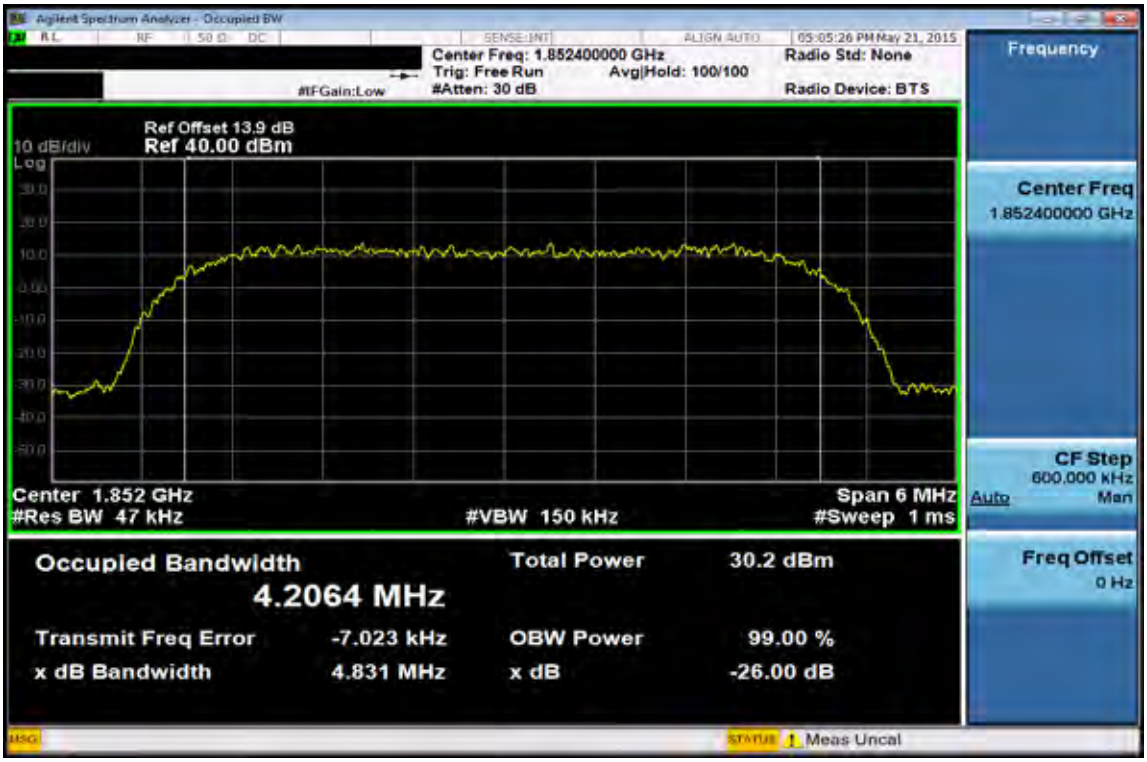


WCDMA II Channel Low



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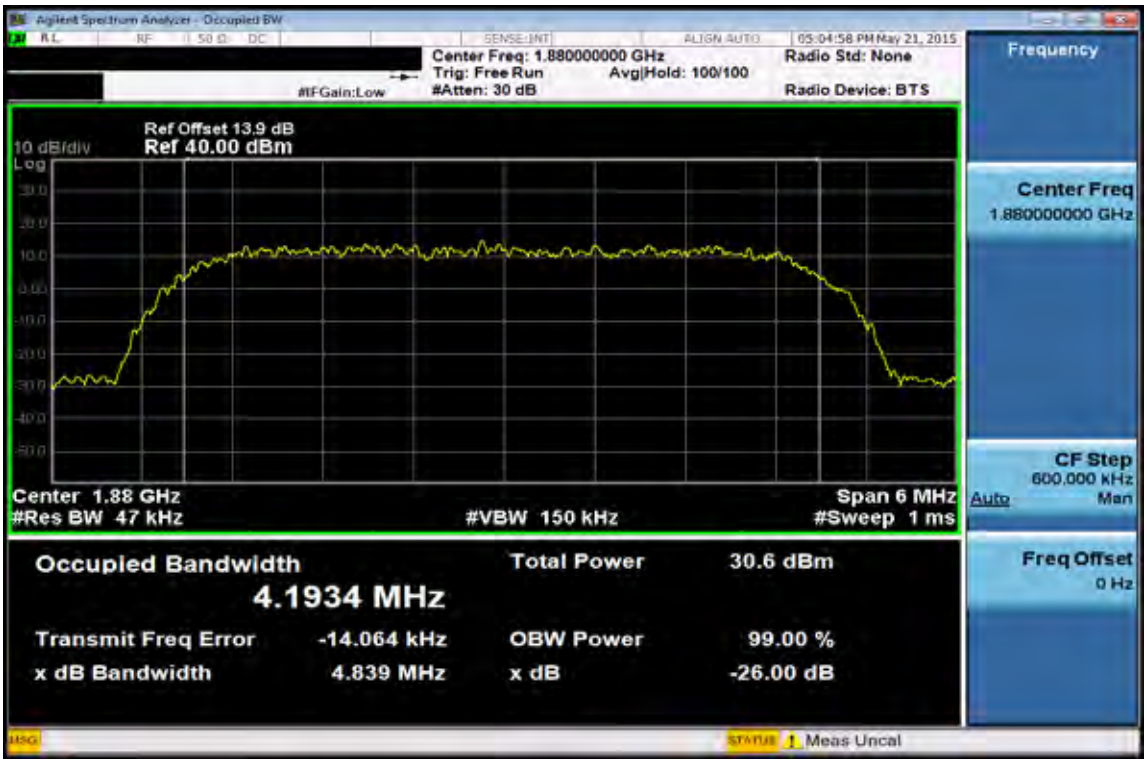

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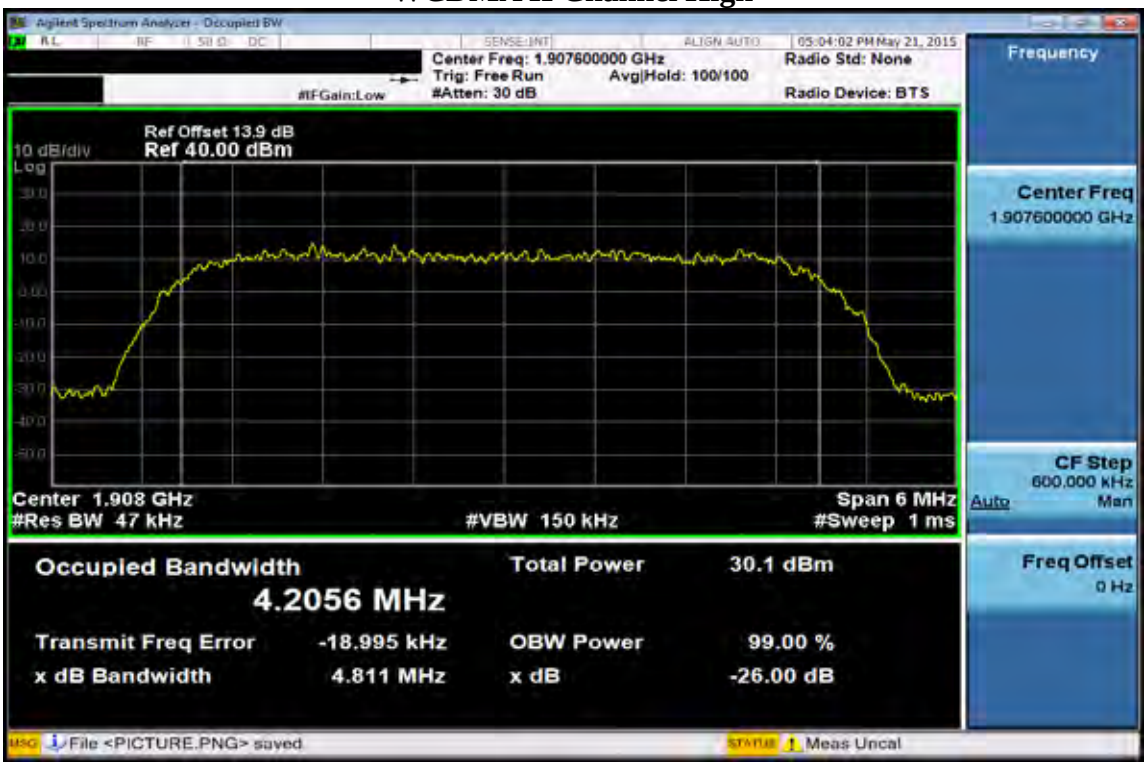
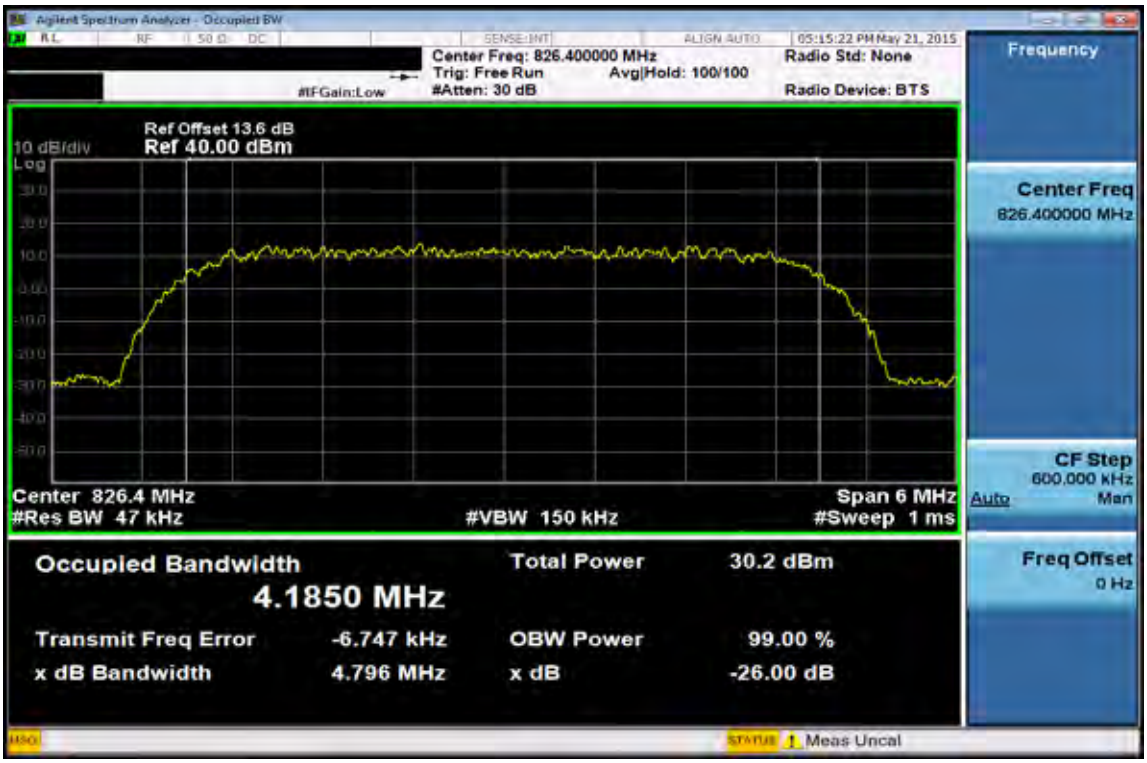


WCDMA V Channel Low



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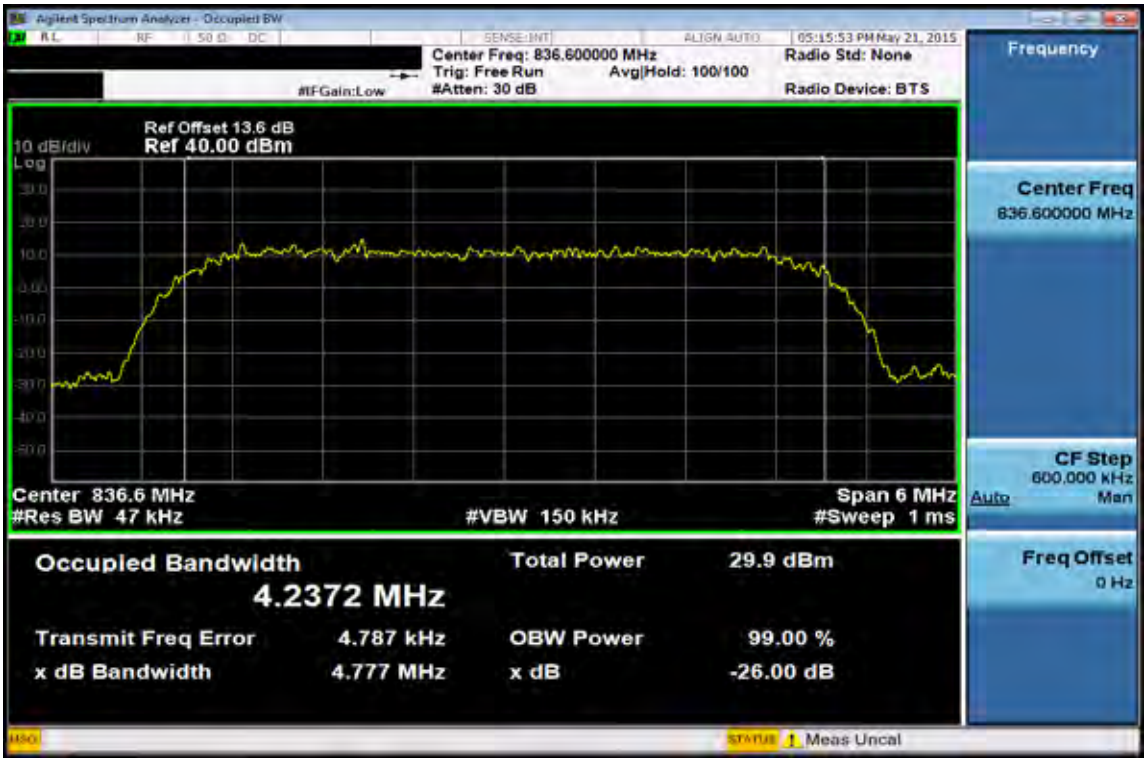

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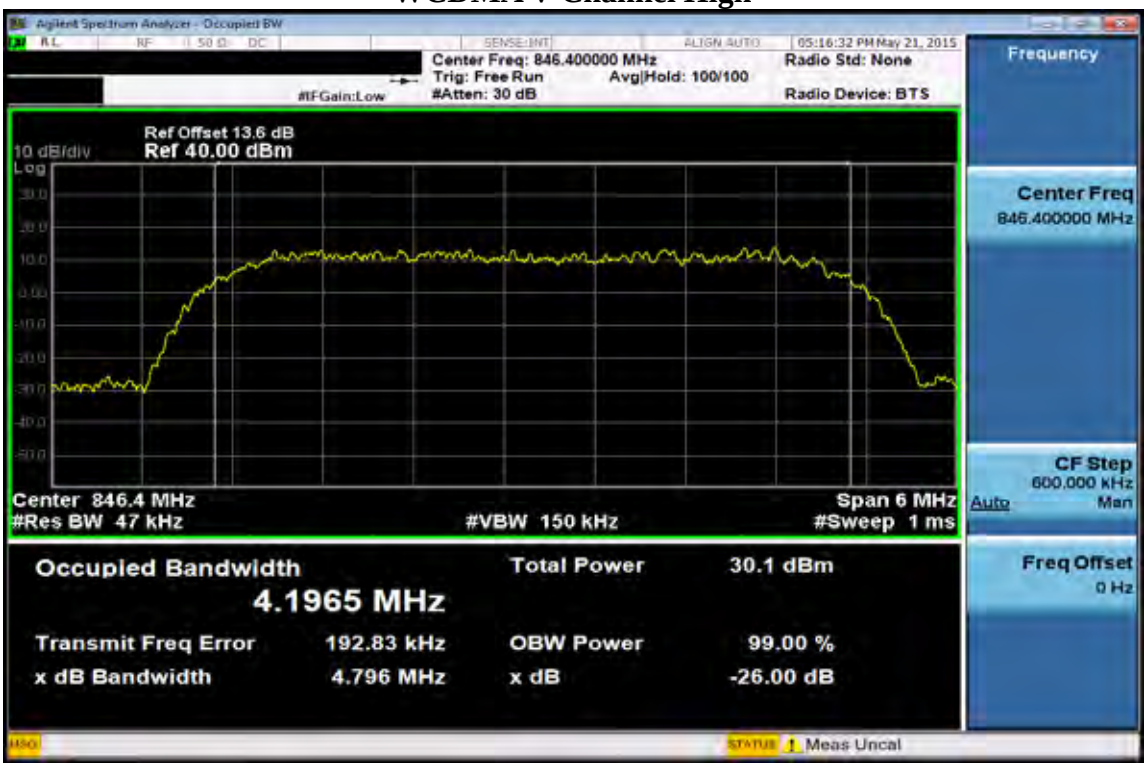
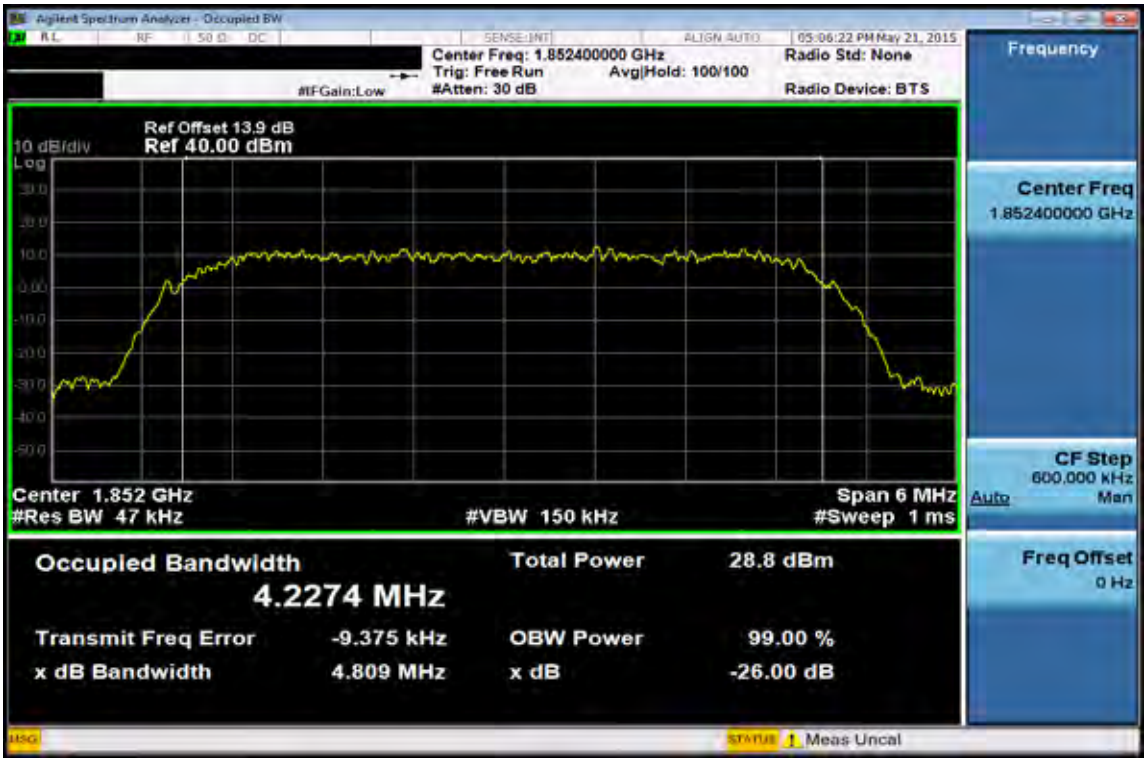


HSDPA II Channel Low



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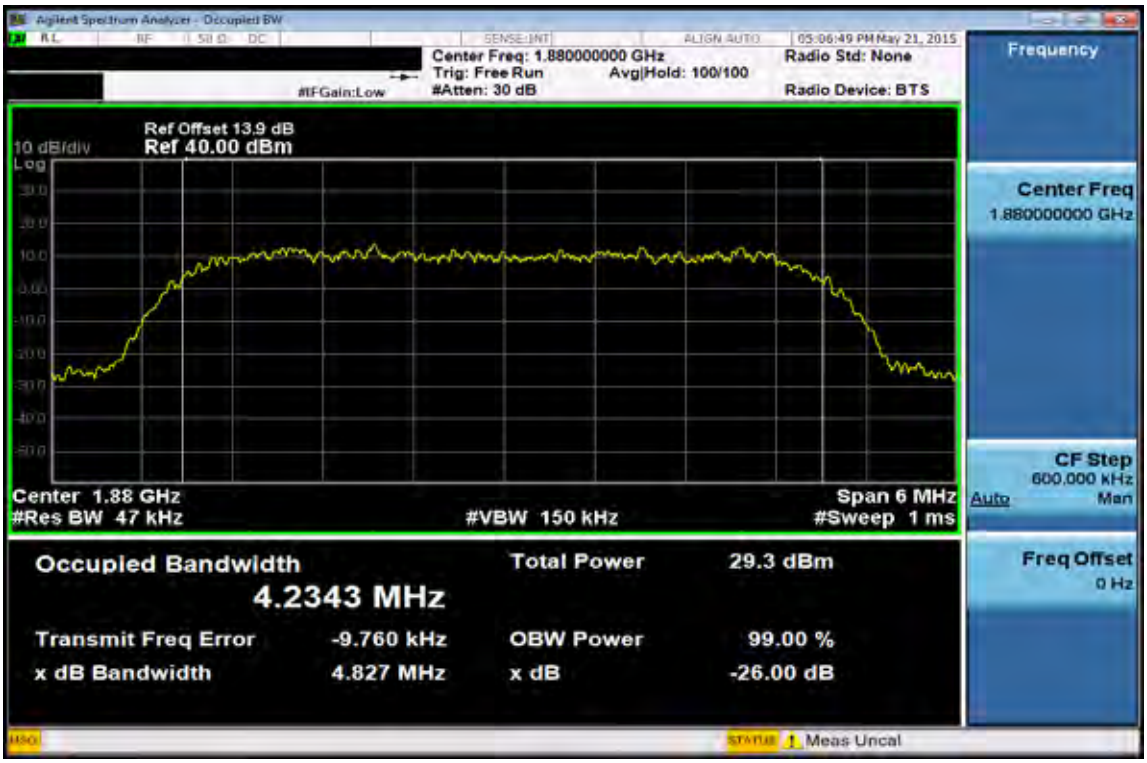

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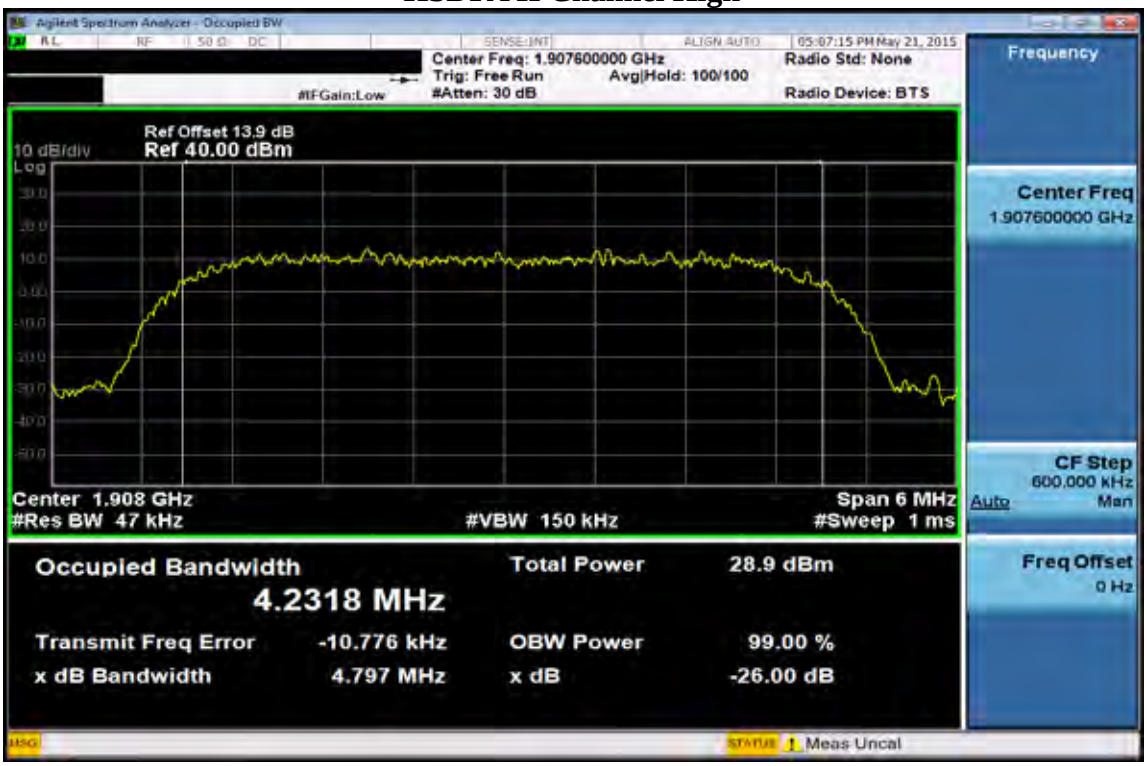

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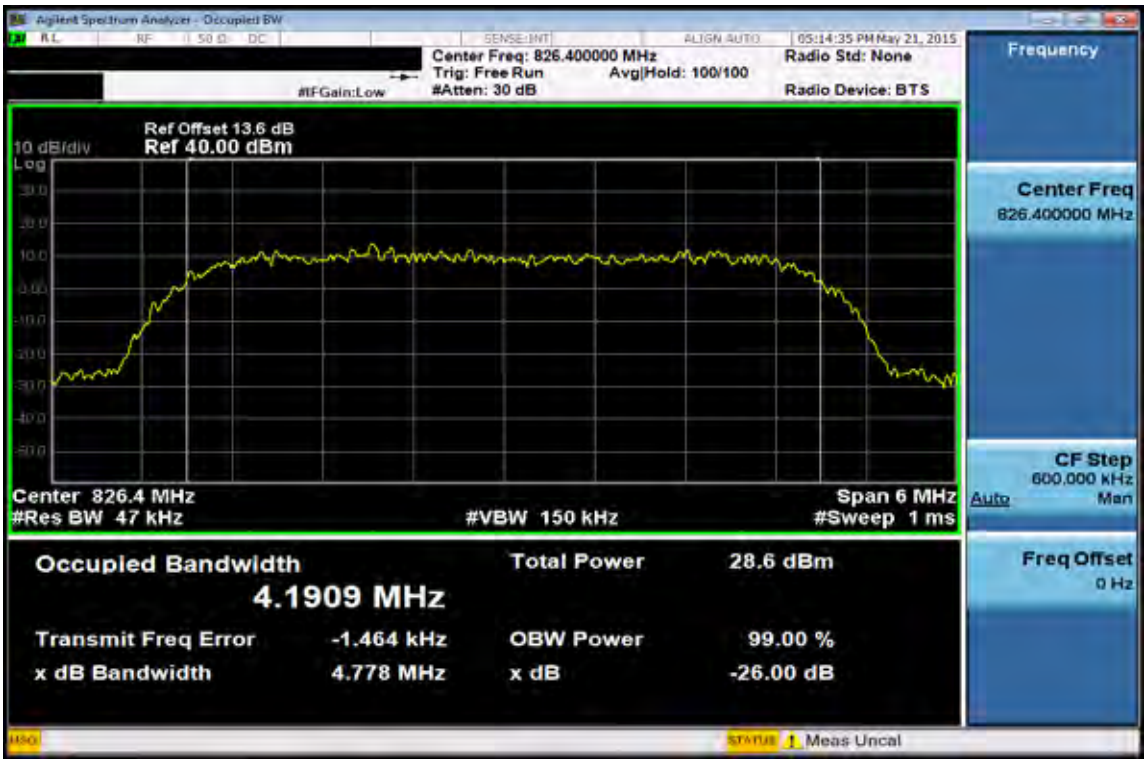

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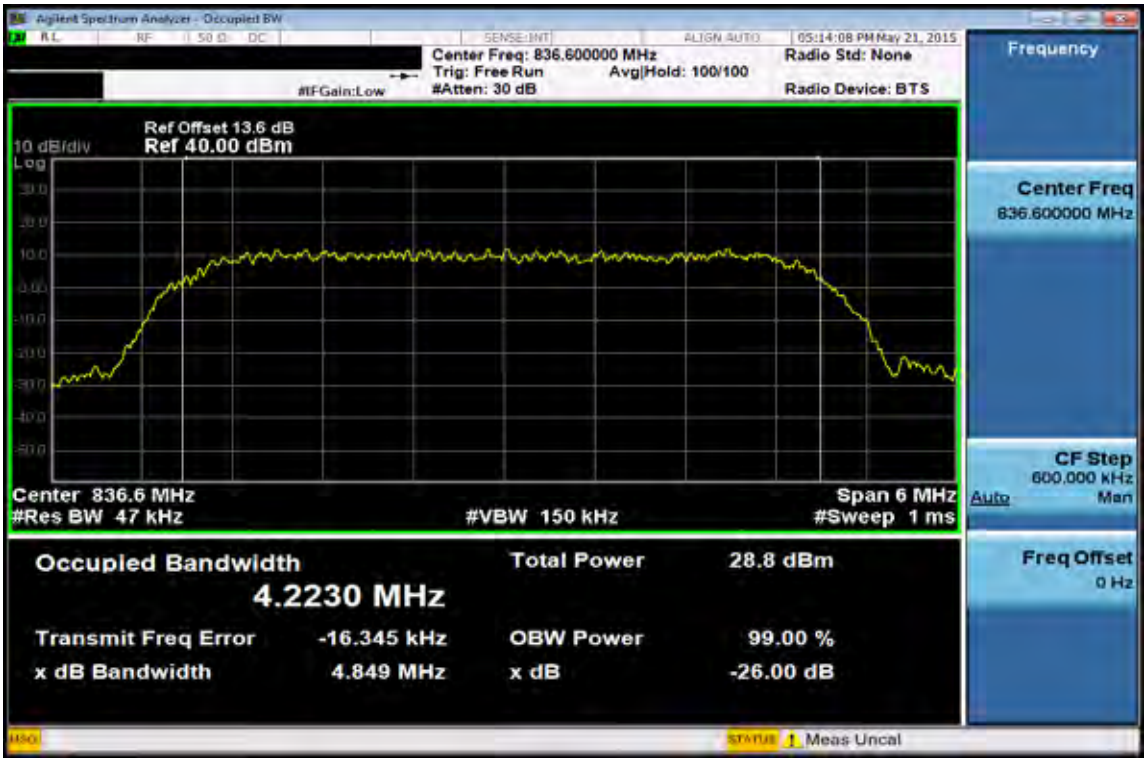

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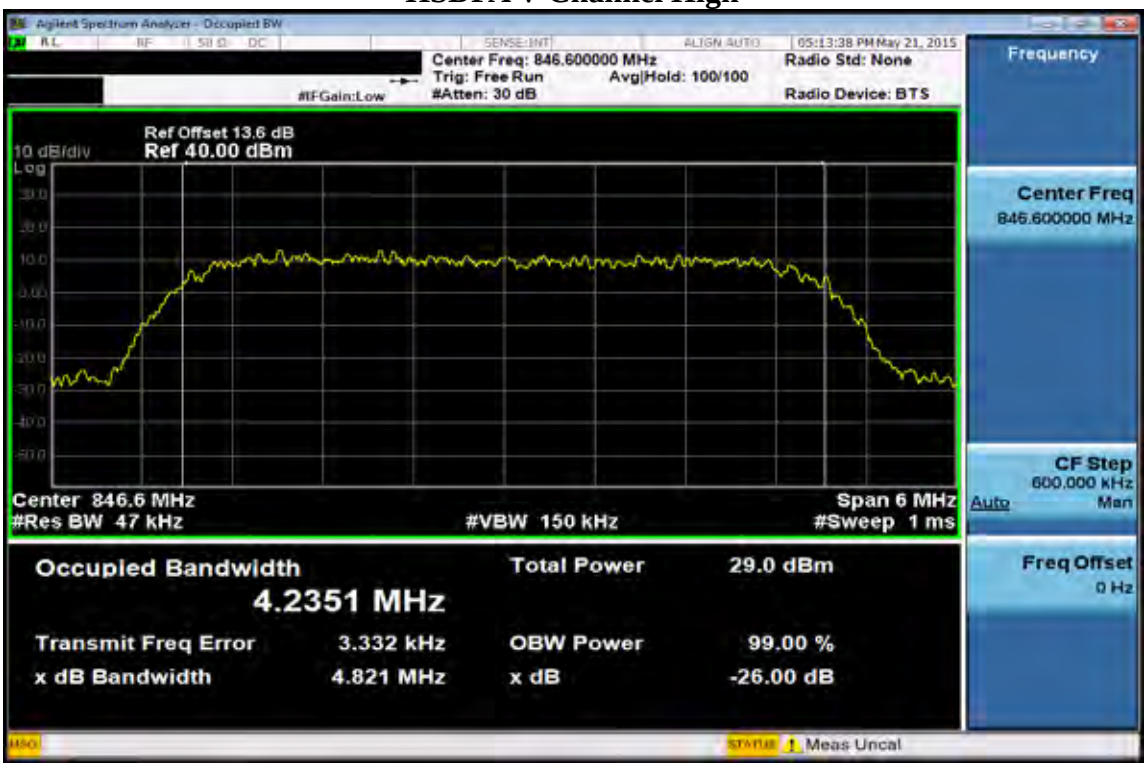

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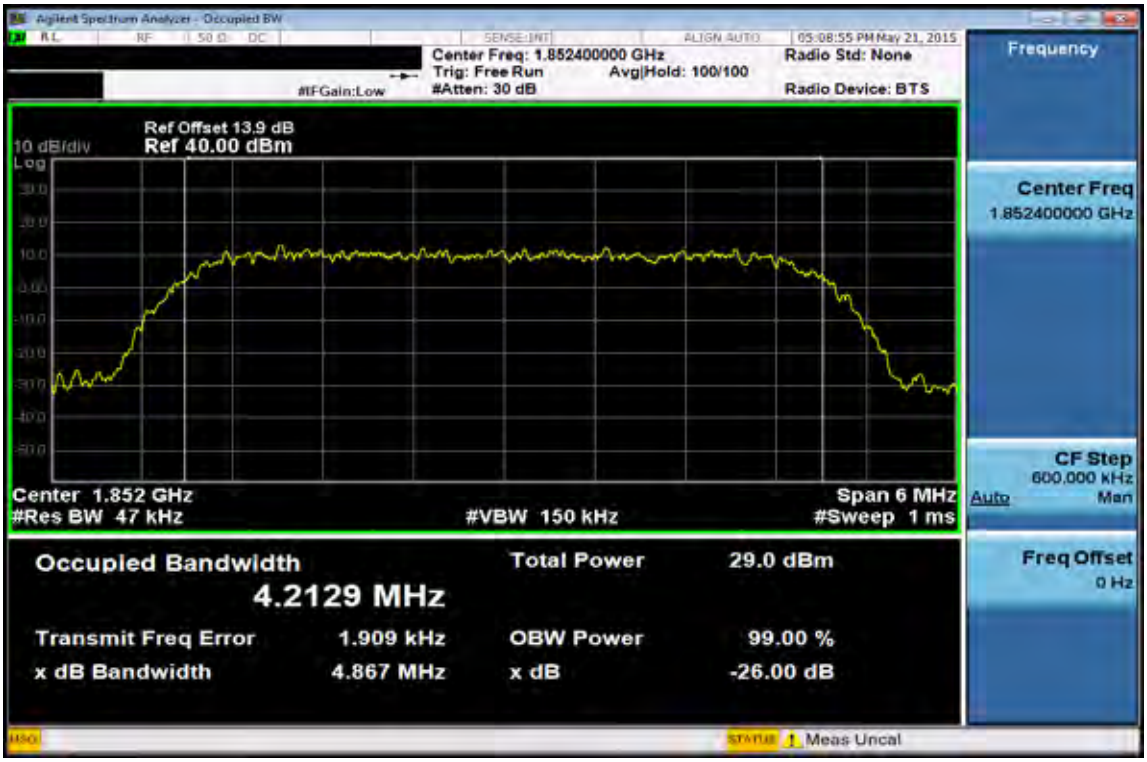

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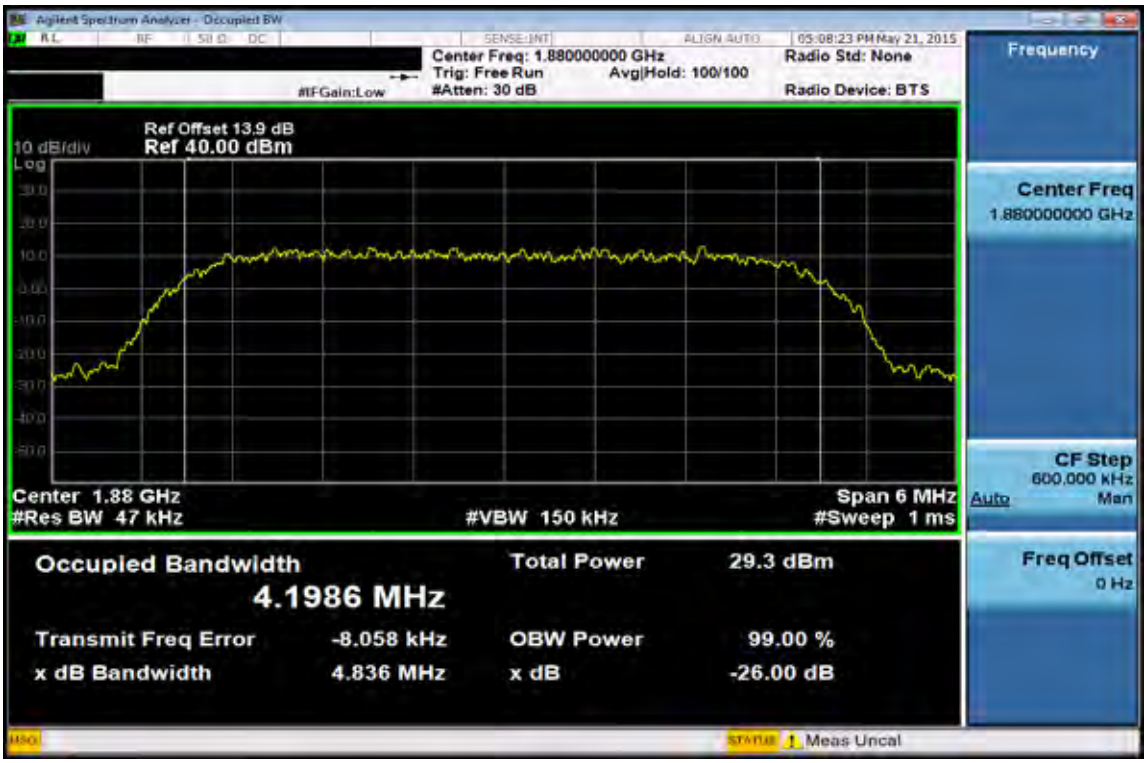

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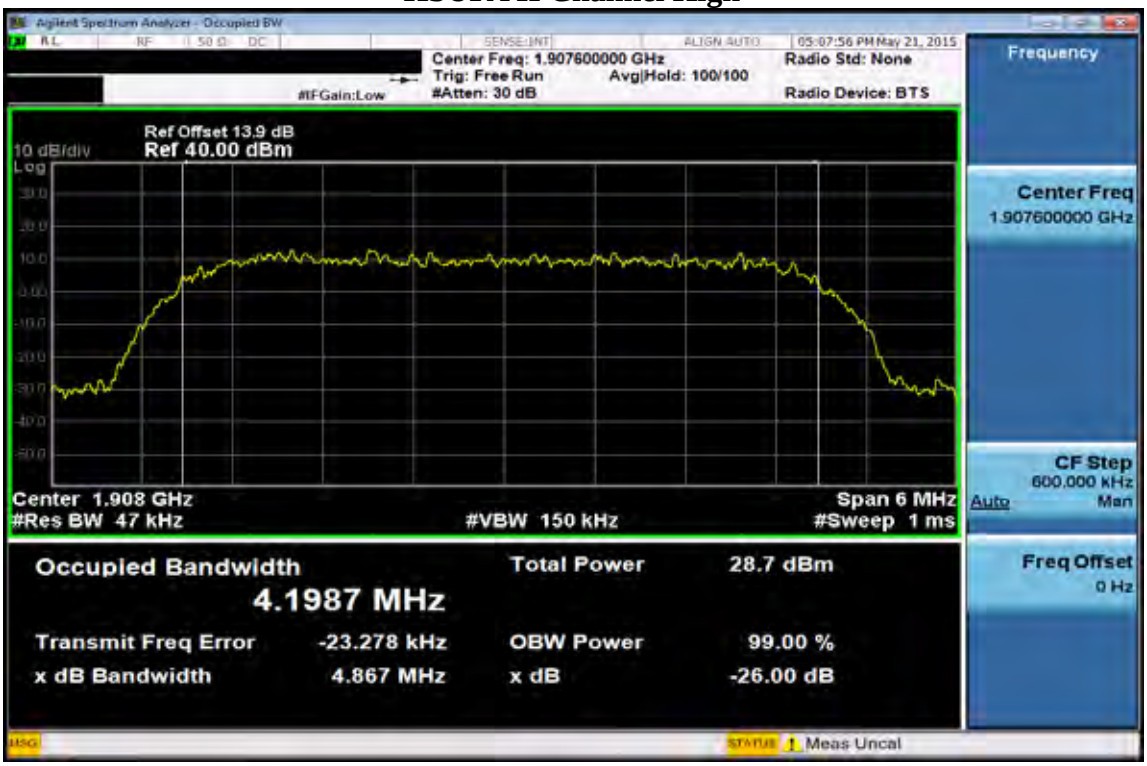

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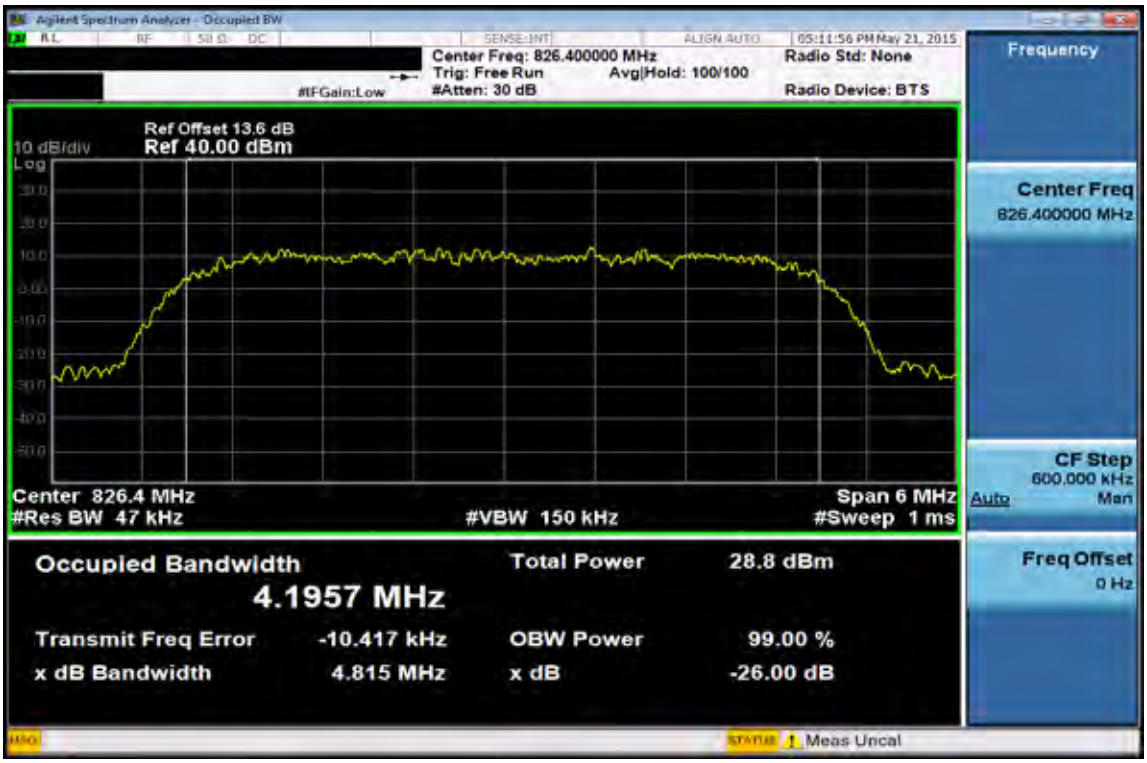

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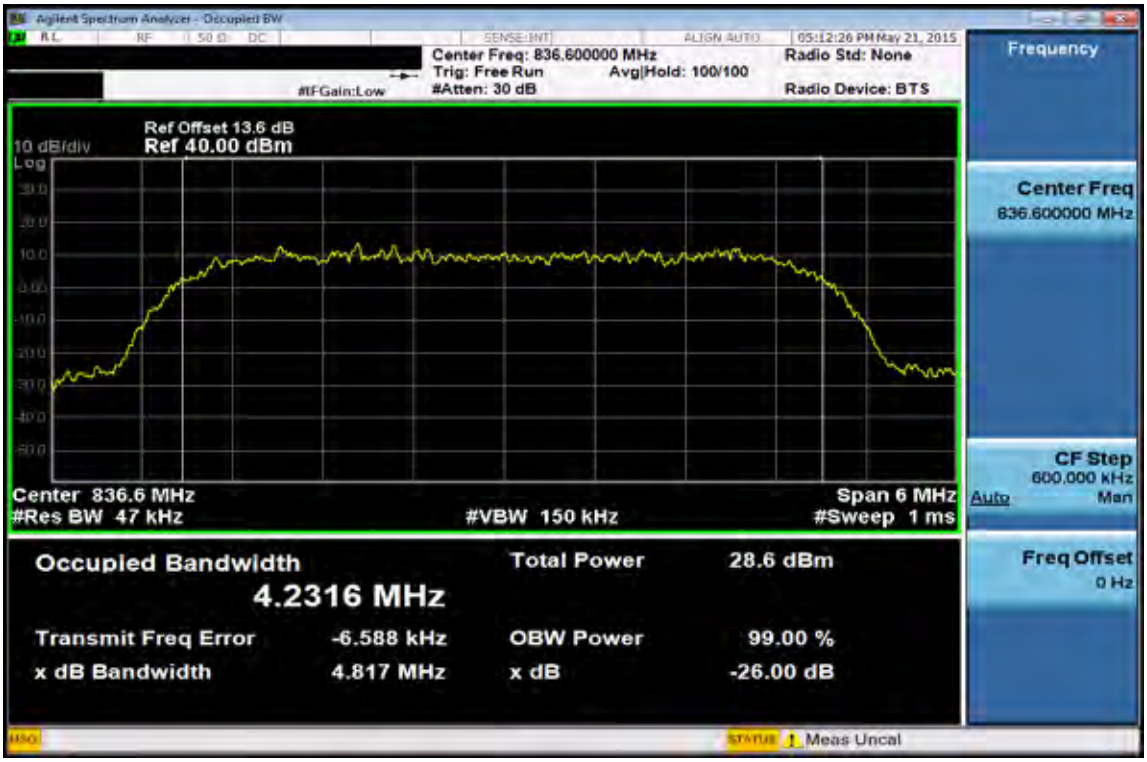

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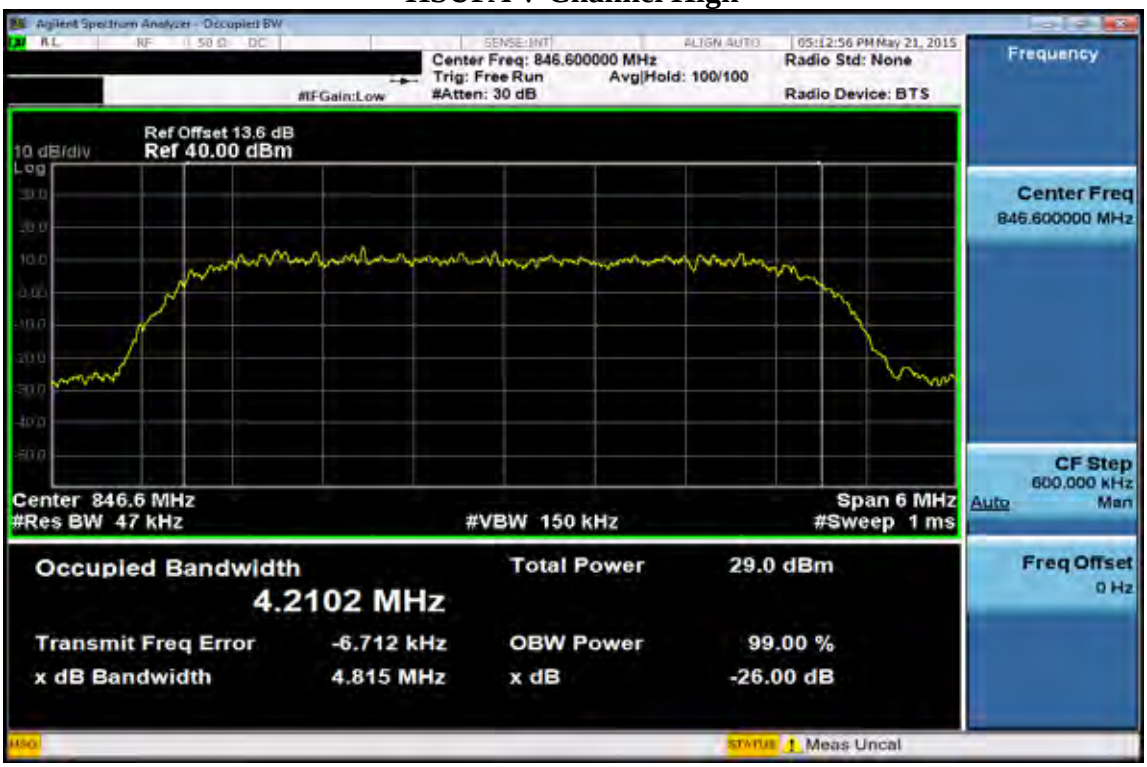
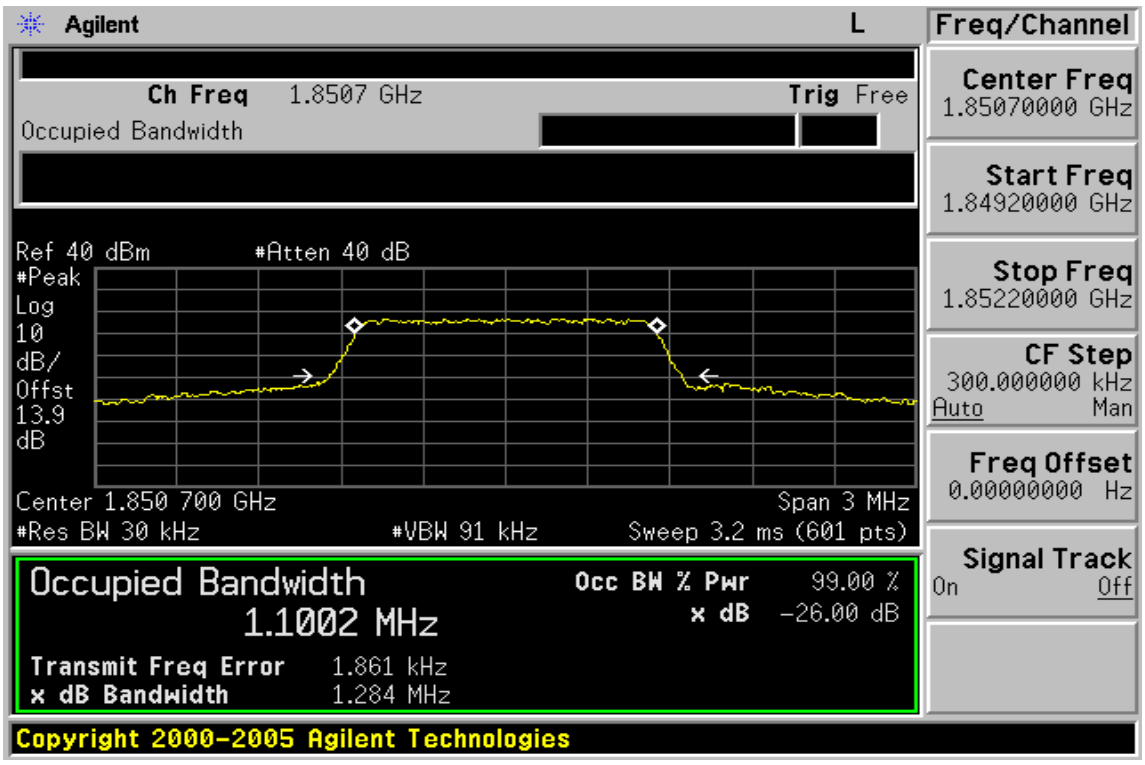
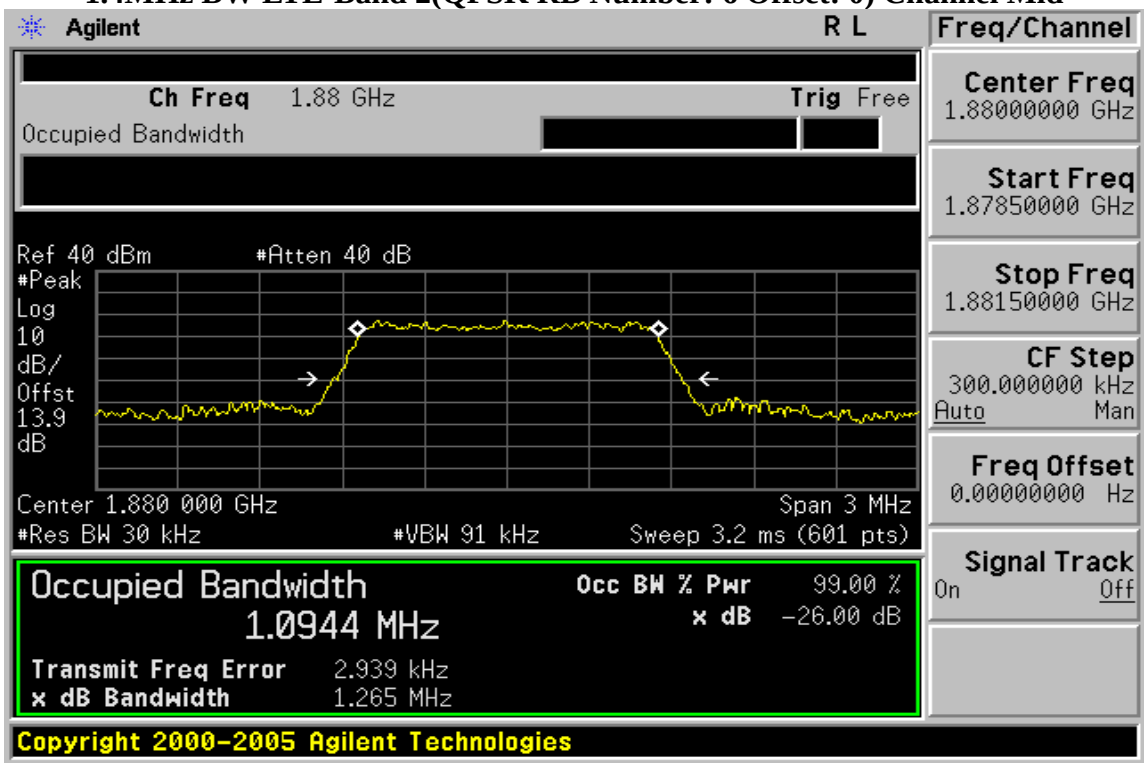


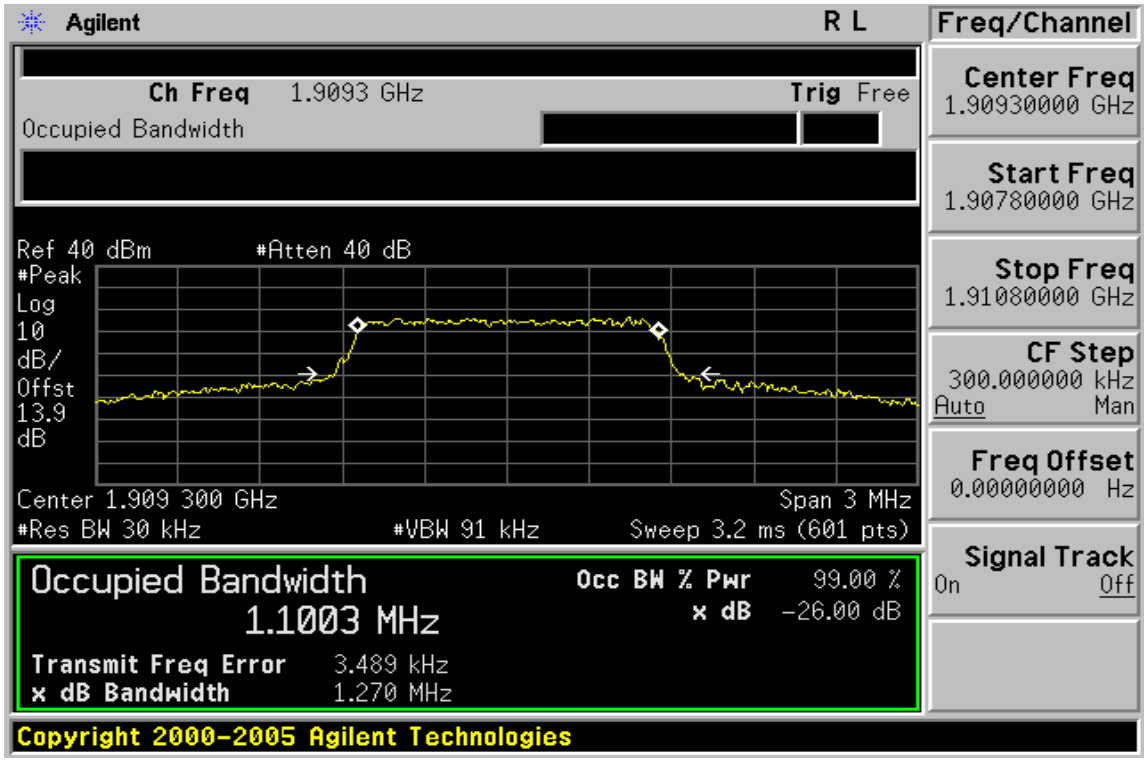
1.4MHz BW LTE-Band 2(QPSK RB Number: 6 Offset: 0) Channel Low



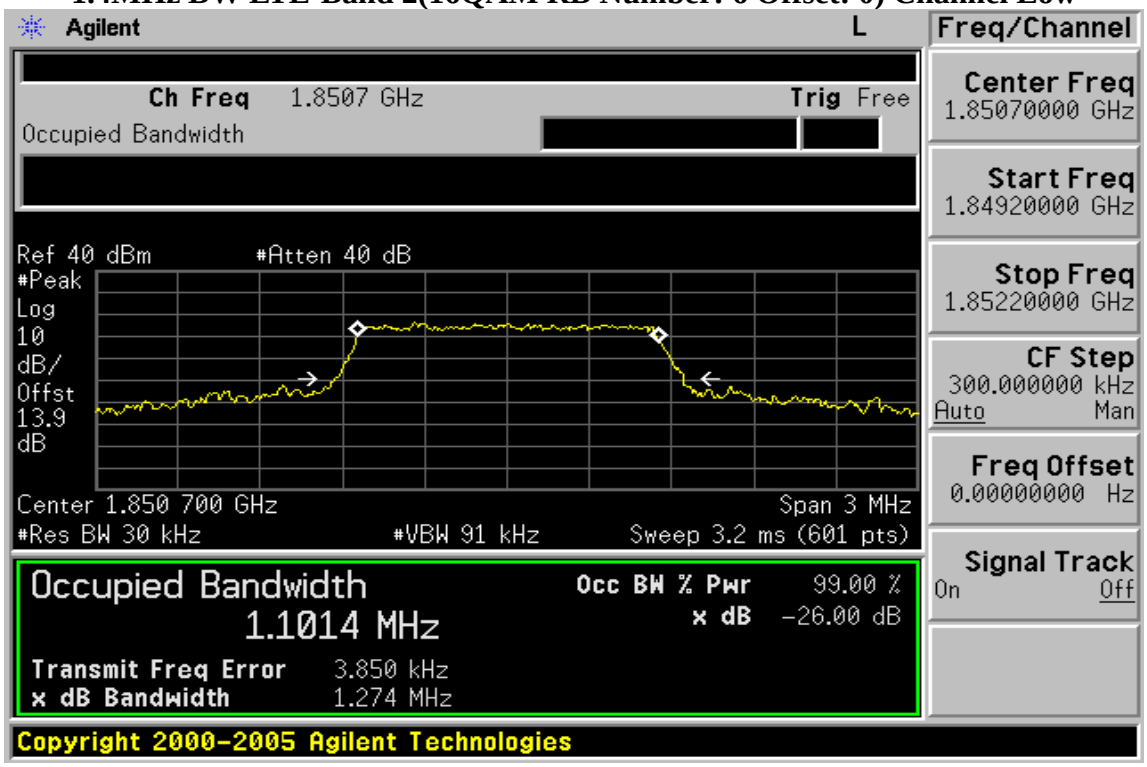
1.4MHz BW LTE-Band 2(QPSK RB Number: 6 Offset: 0) Channel Mid



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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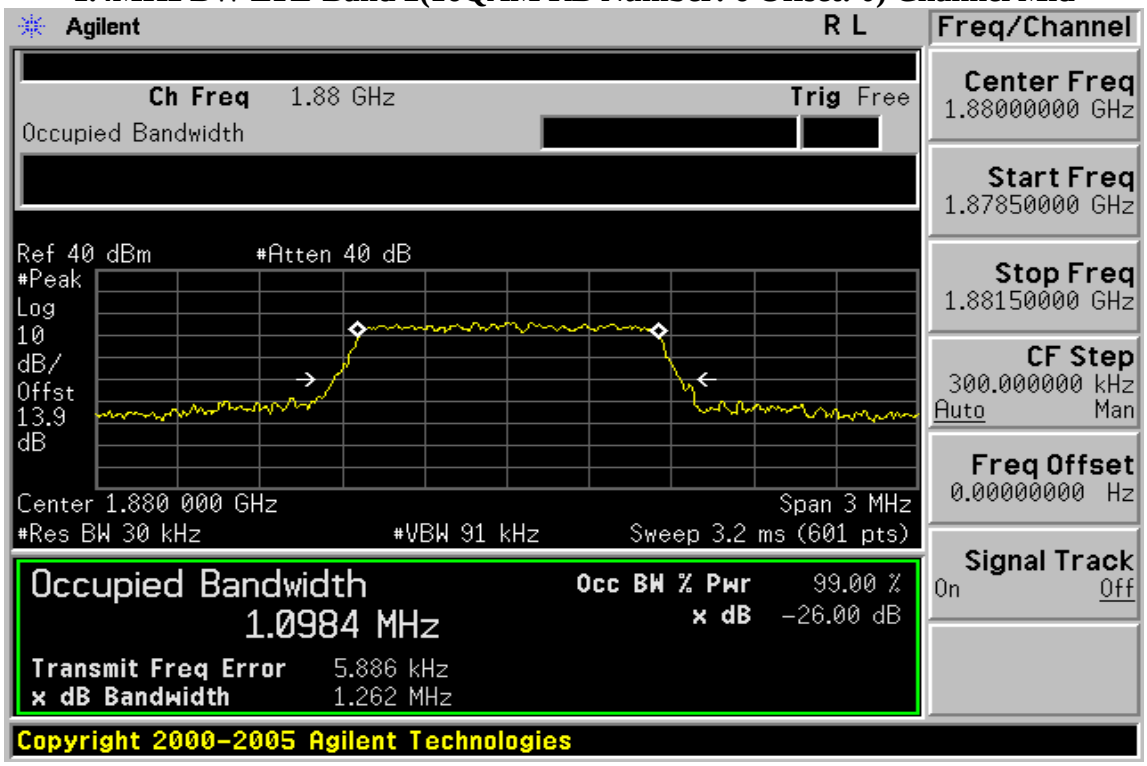

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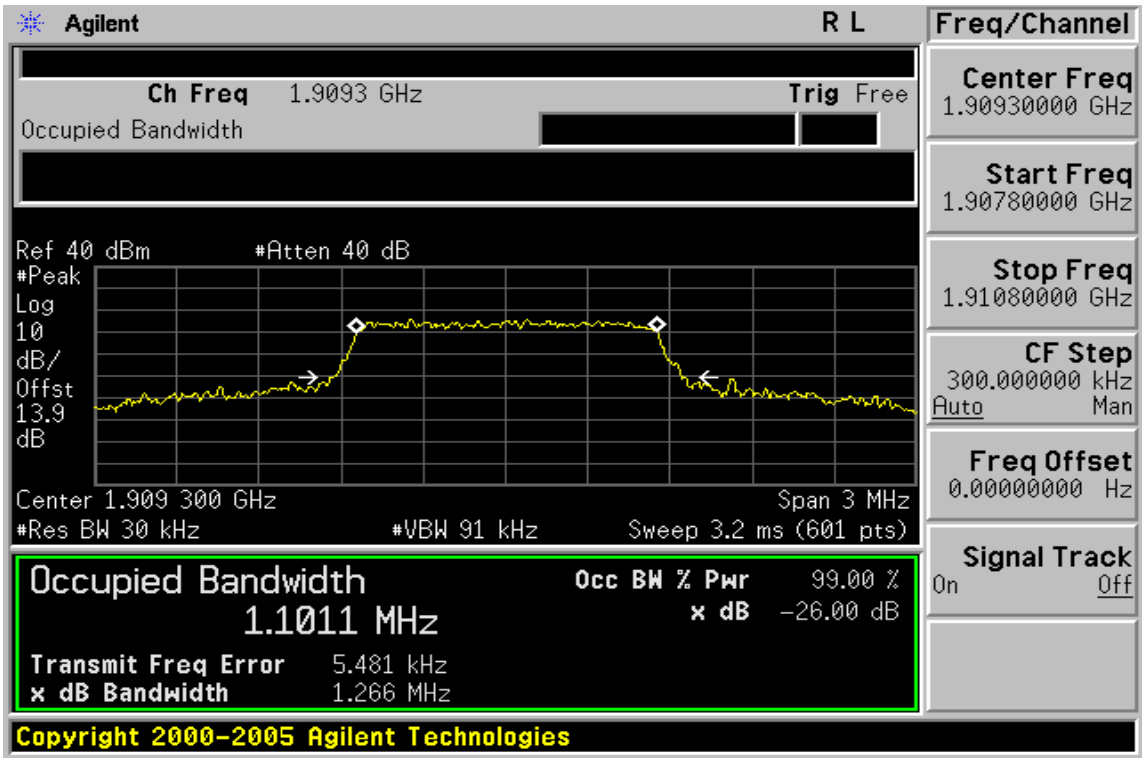
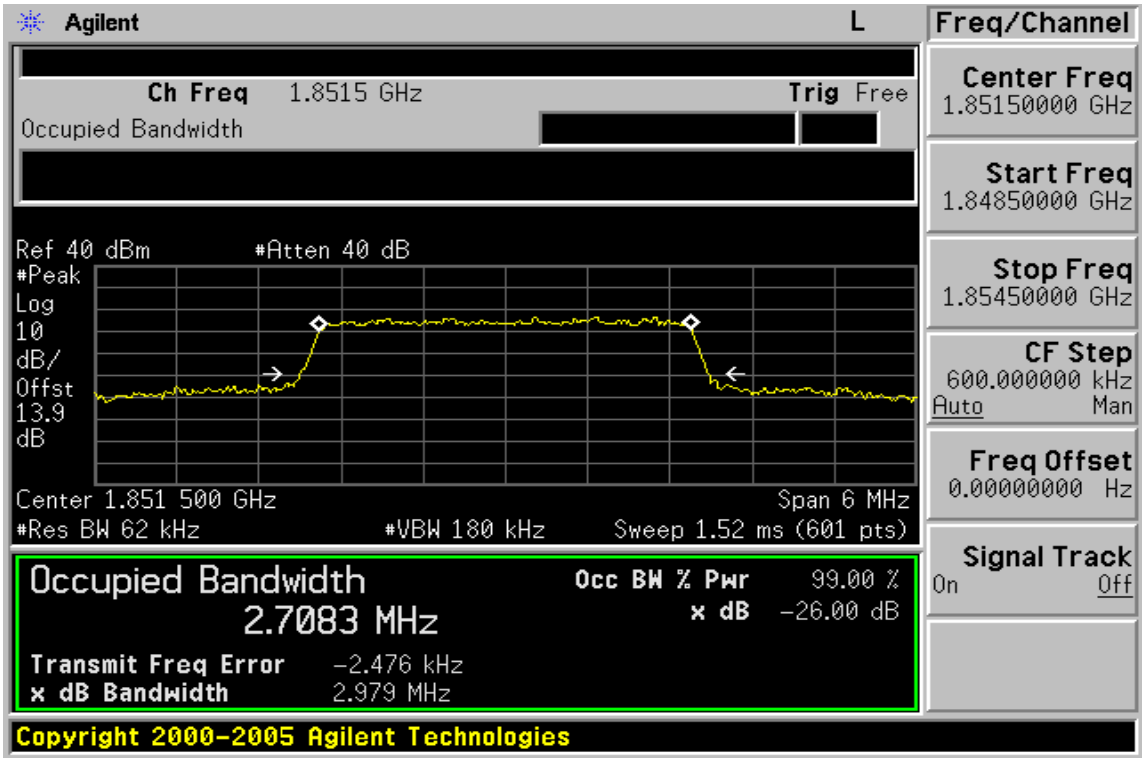
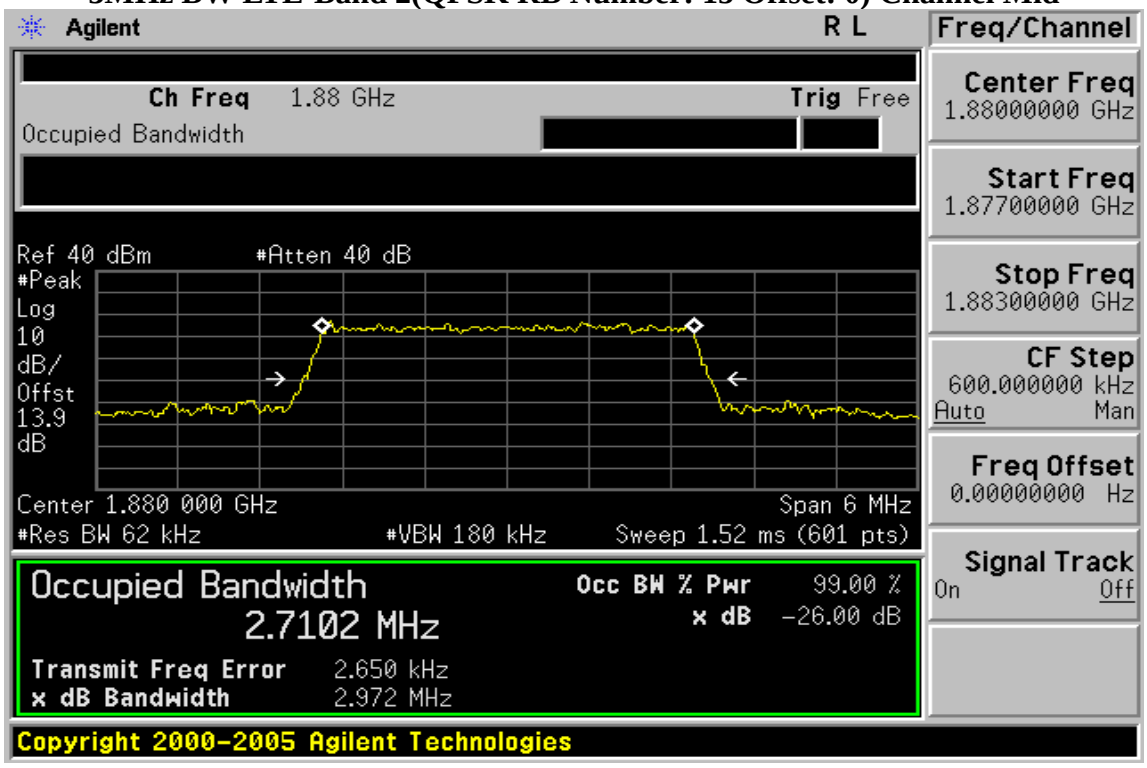


3MHz BW LTE-Band 2(QPSK RB Number: 15 Offset: 0) Channel Low



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



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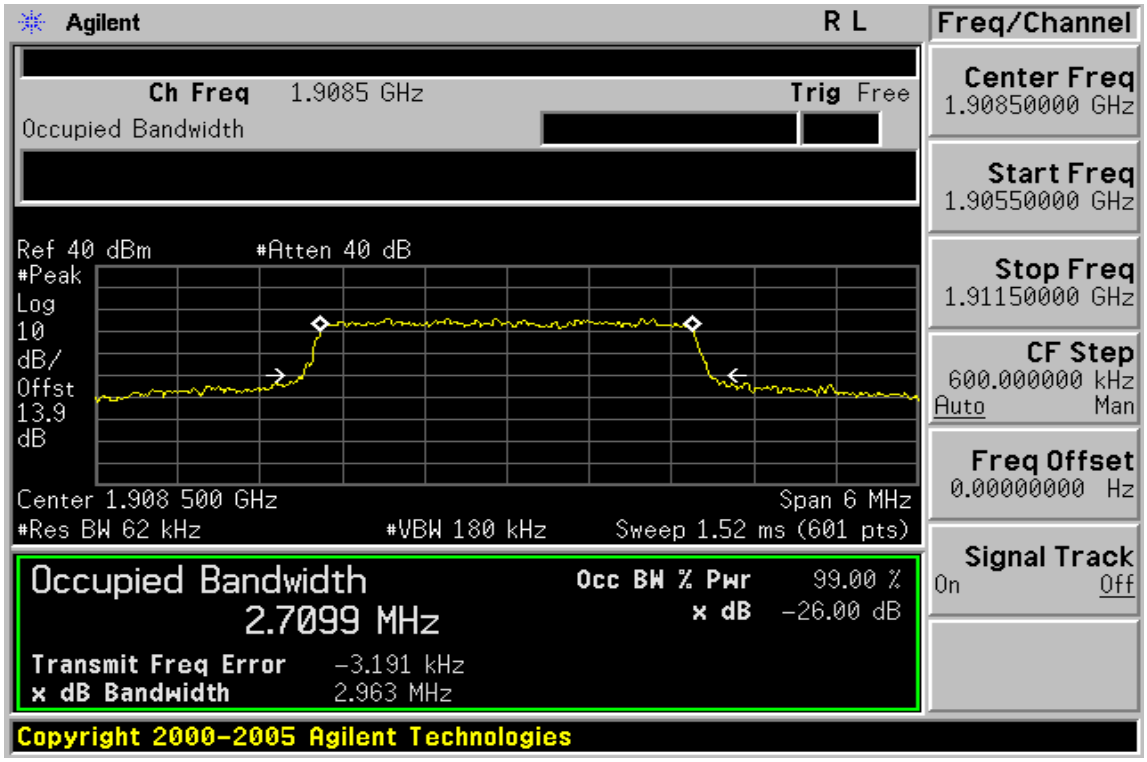
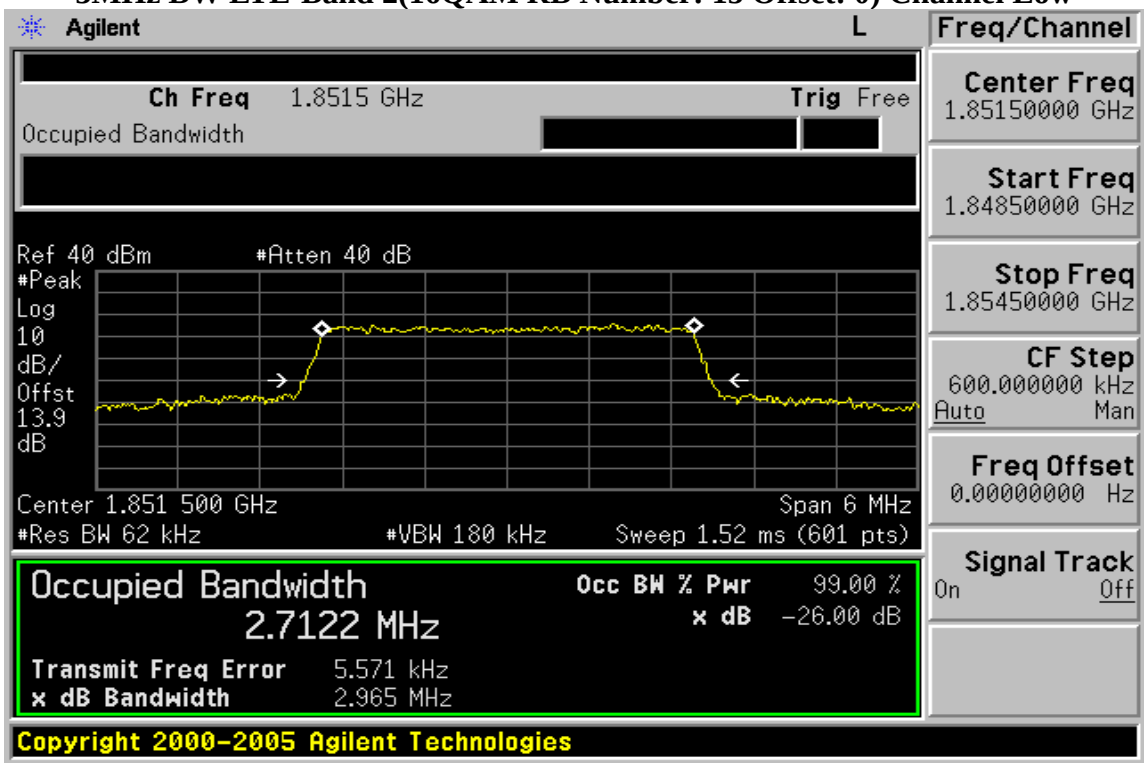
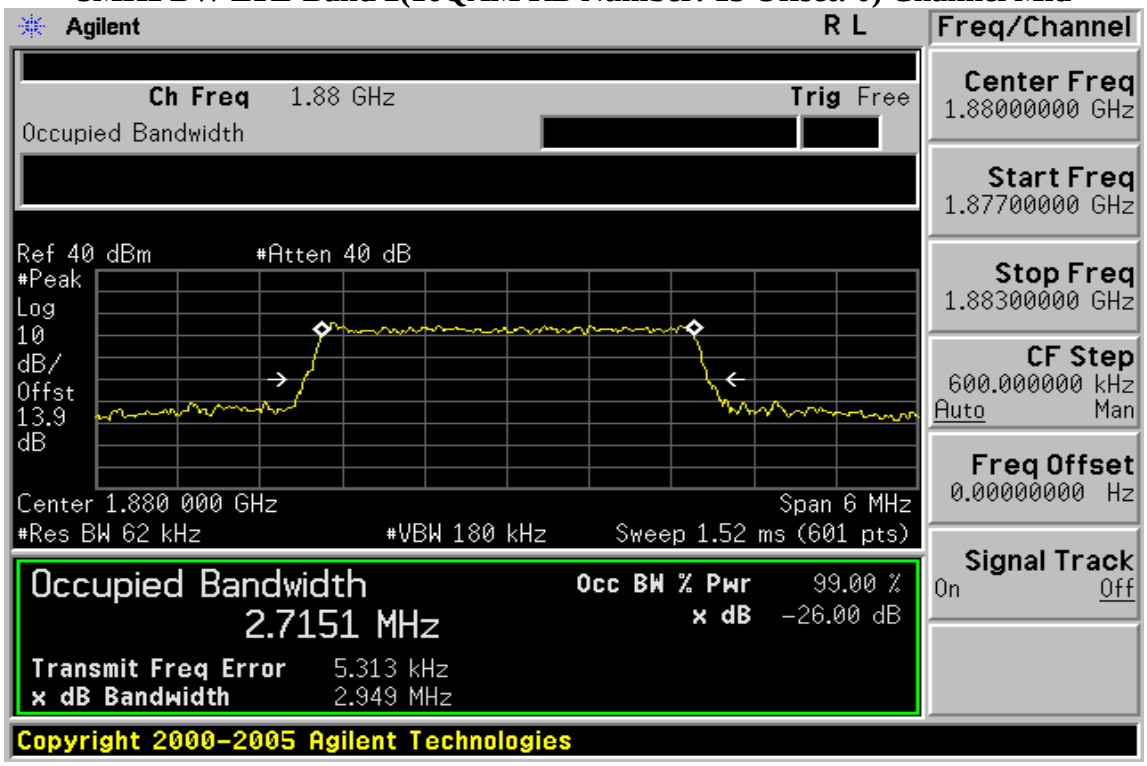


3MHz BW LTE-Band 2(16QAM RB Number: 15 Offset: 0) Channel Low



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



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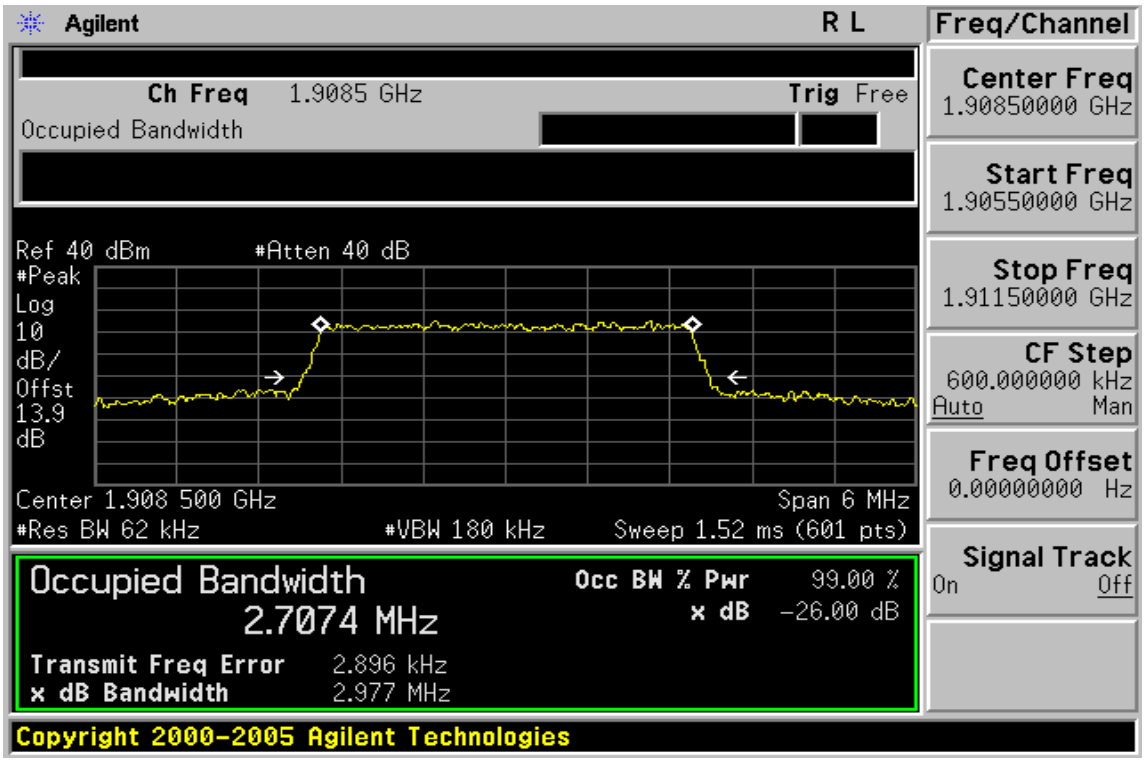
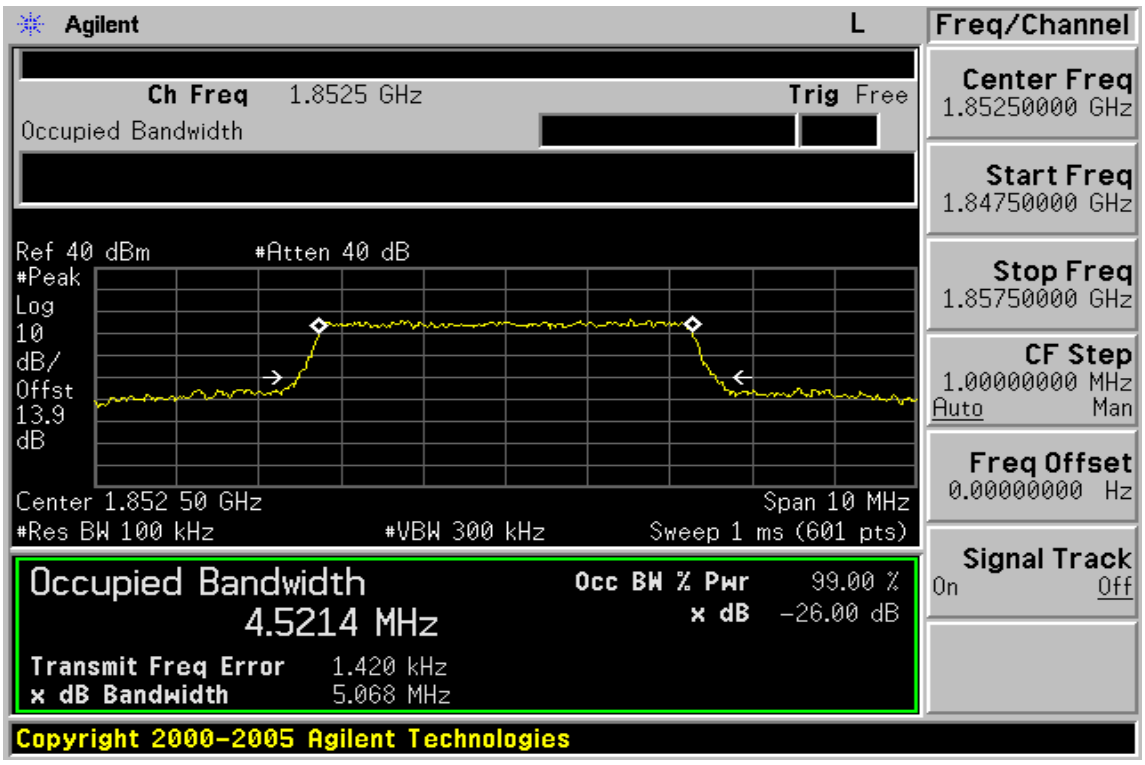


5MHz BW LTE-Band 2(QPSK RB Number: 25 Offset: 0) Channel Low



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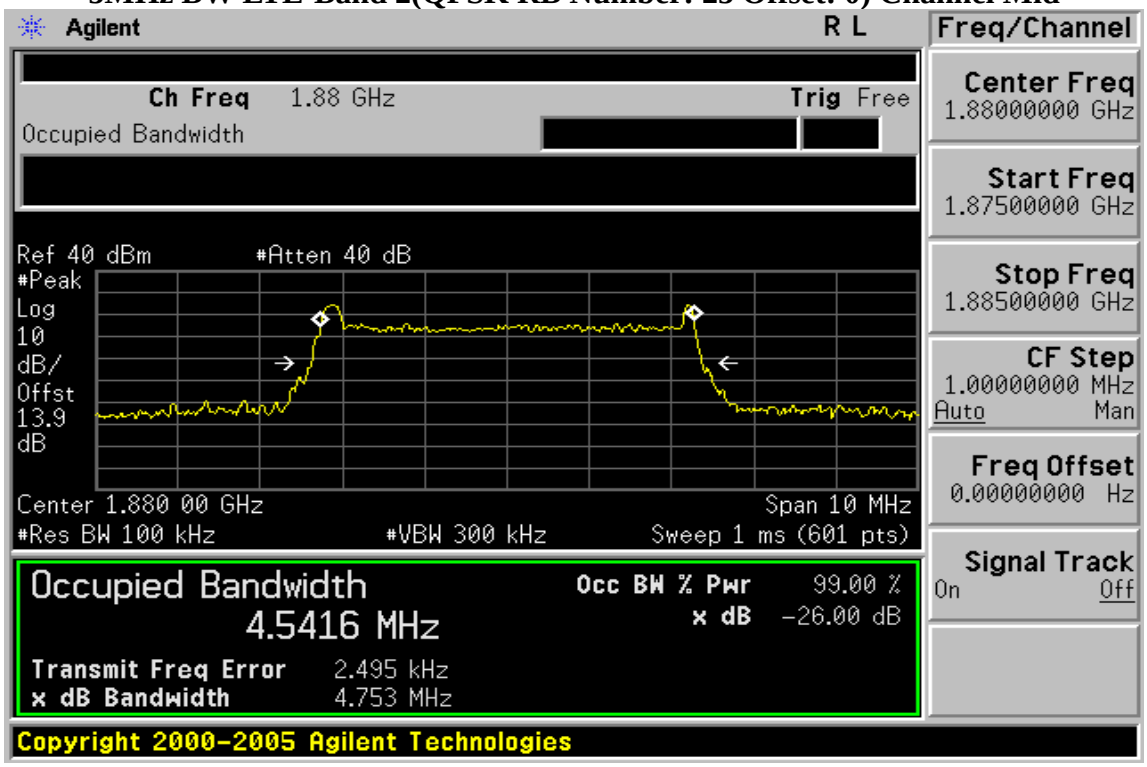

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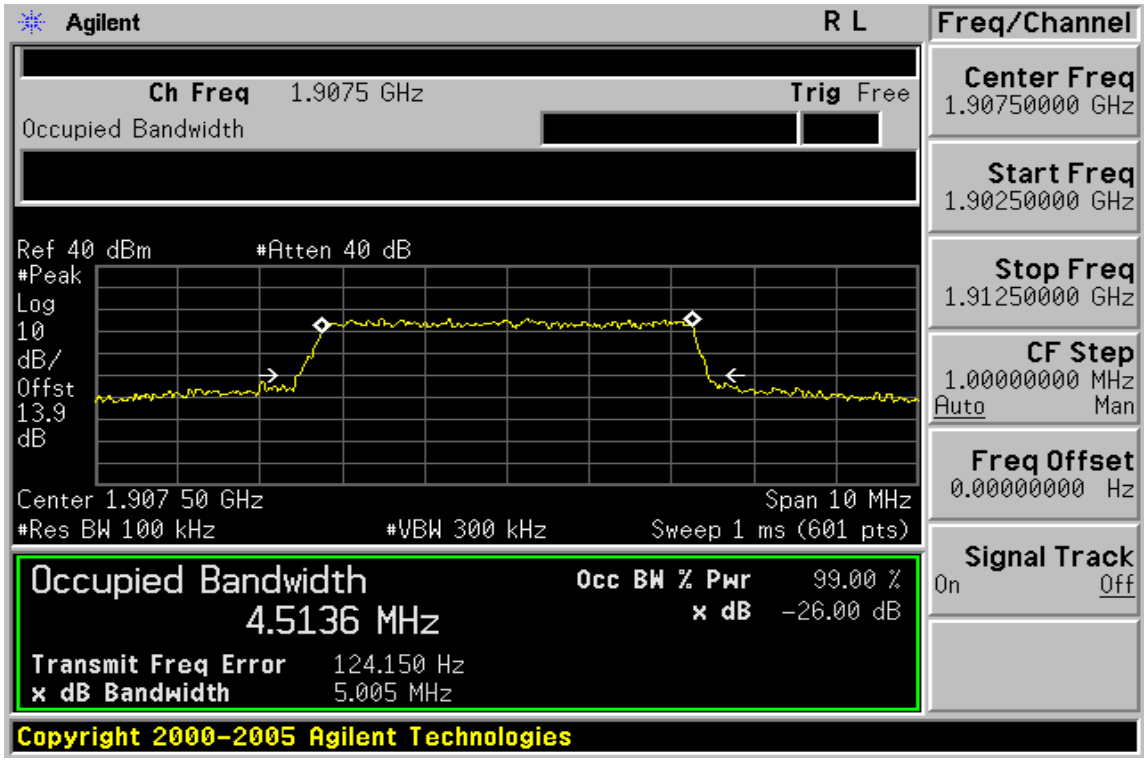

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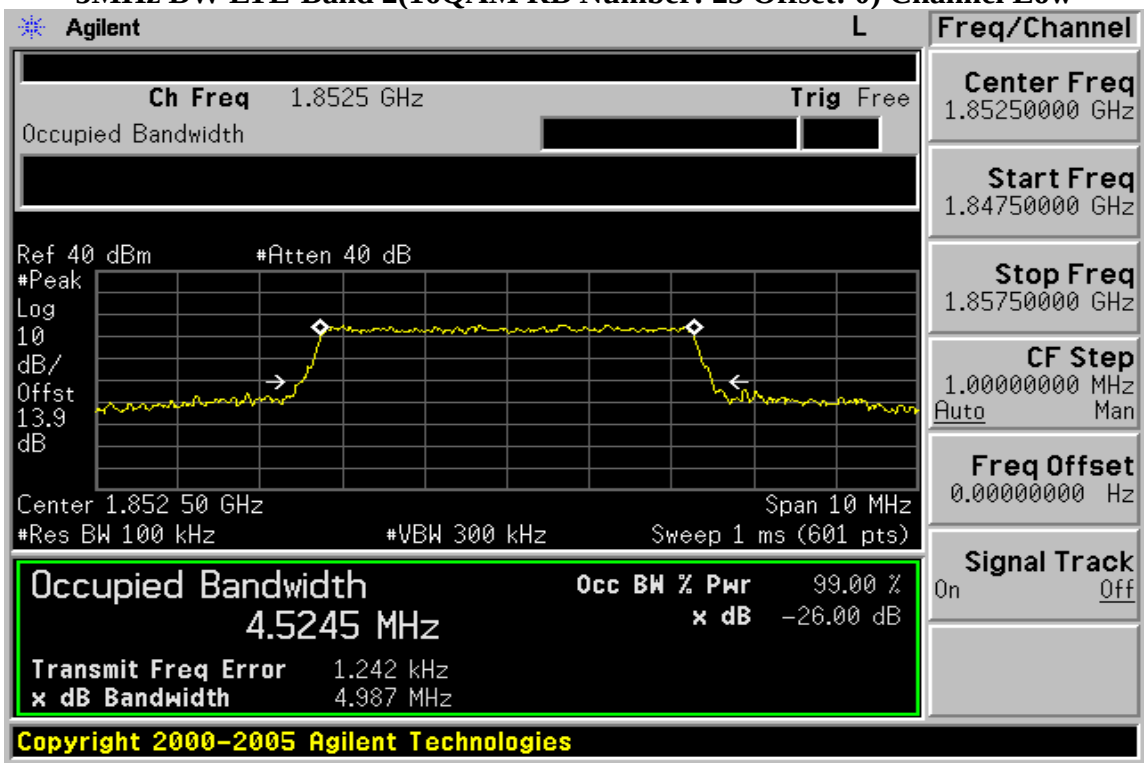

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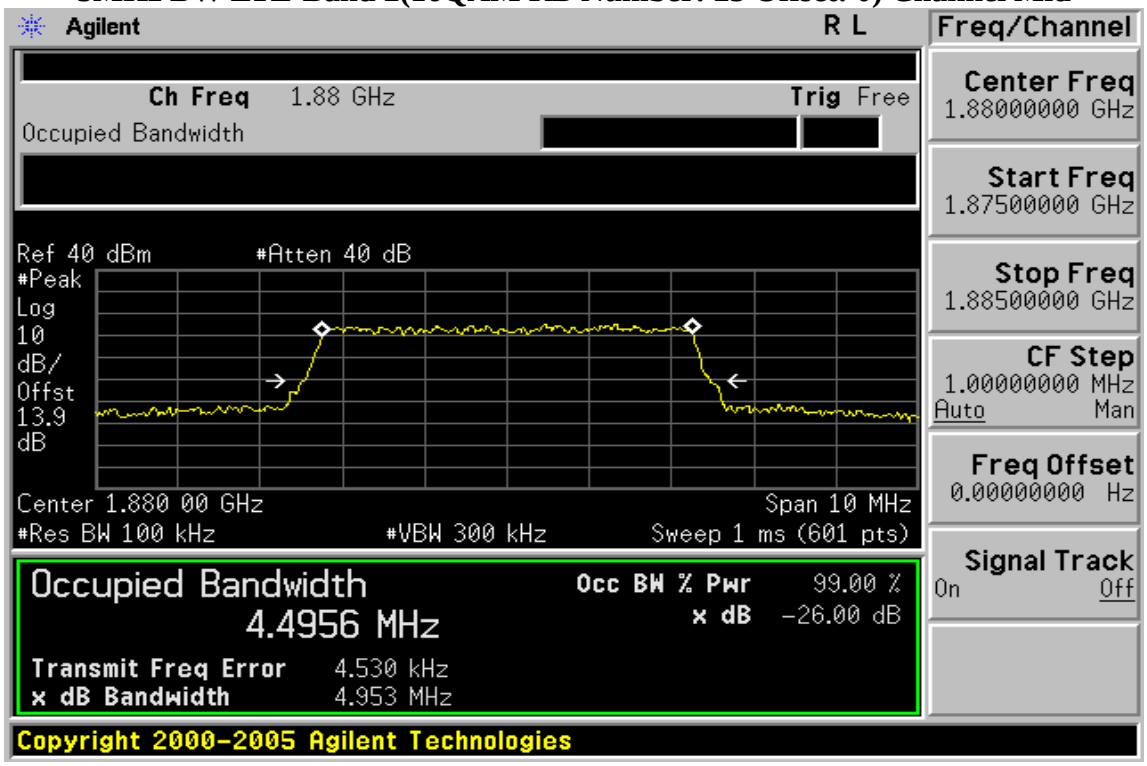
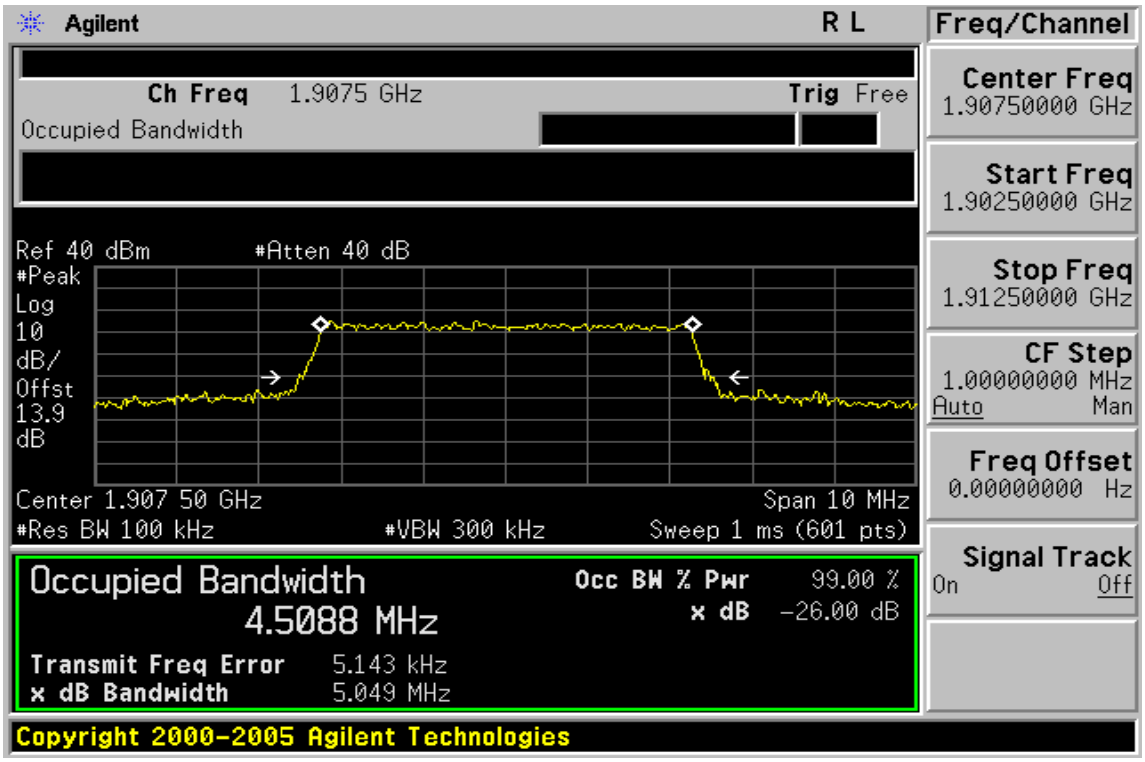
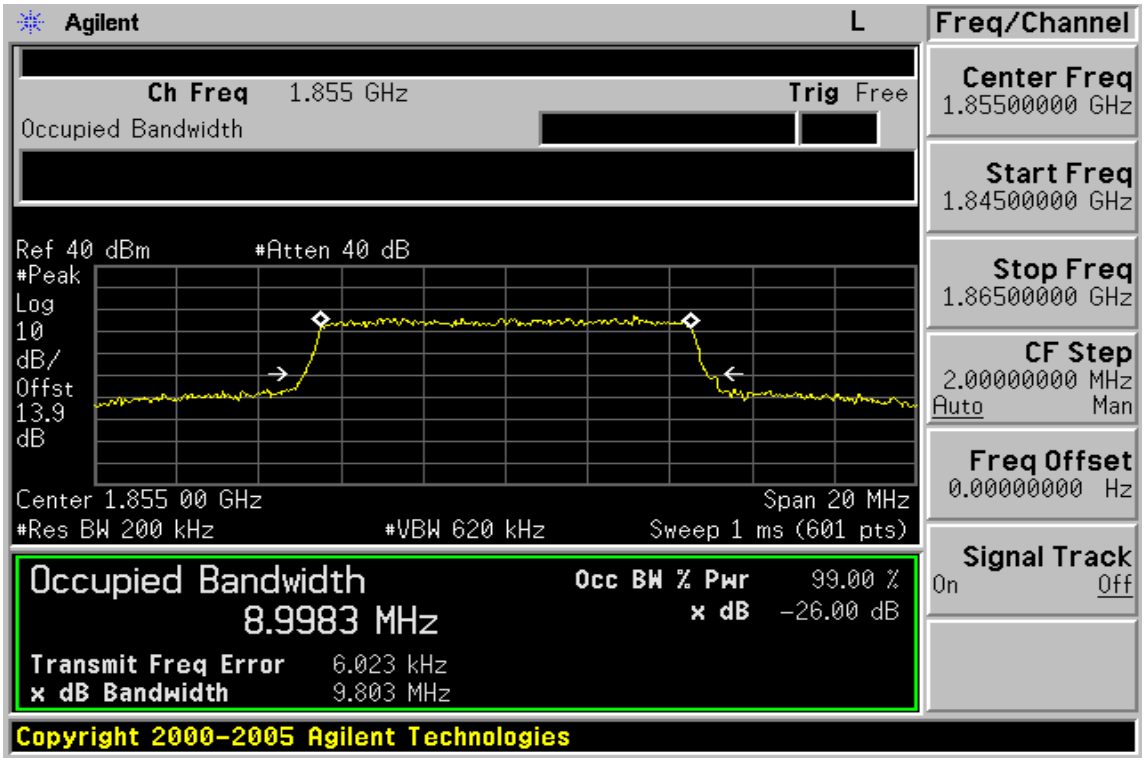


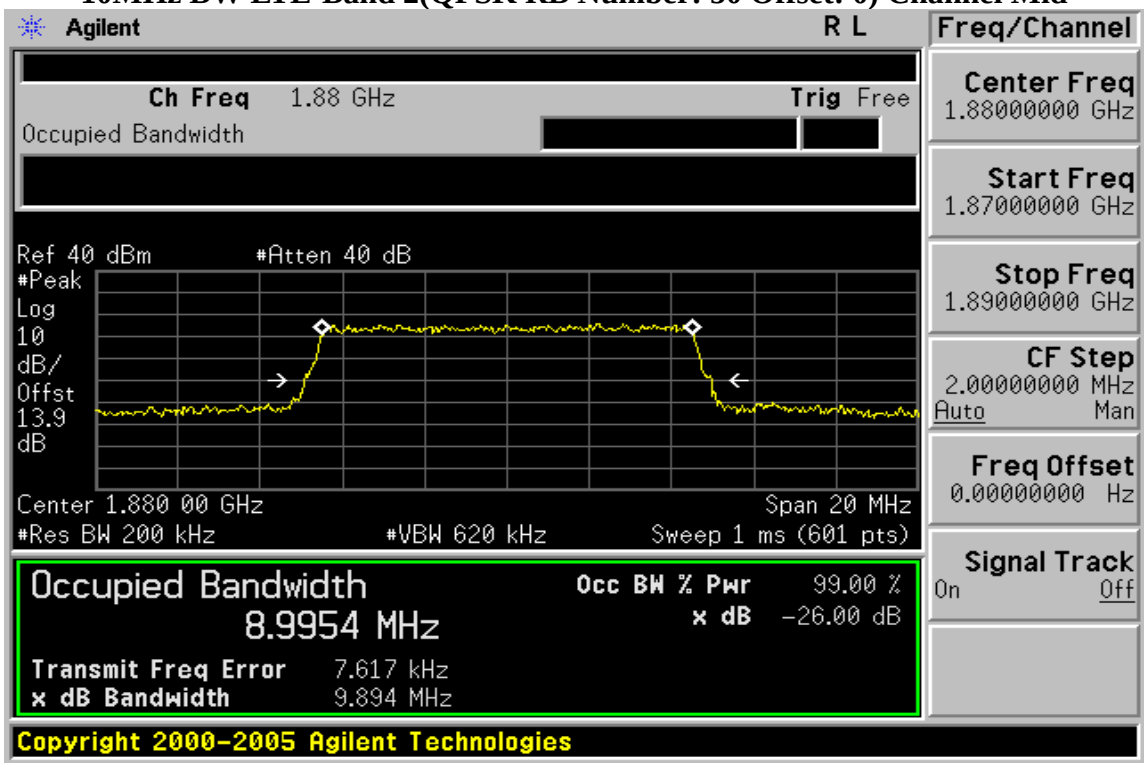
5MHz BW LTE-Band 2(16QAM RB Number: 25 Offset: 0) Channel High



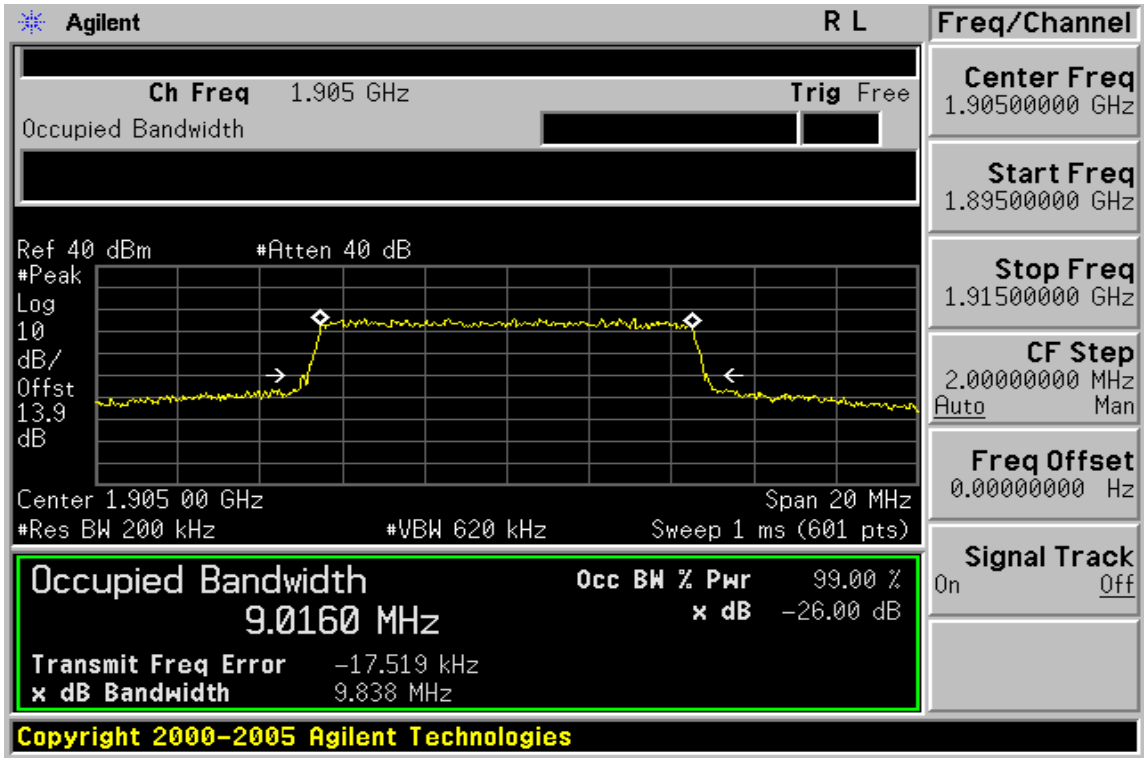
10MHz BW LTE-Band 2(QPSK RB Number: 50 Offset: 0) Channel Low



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



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



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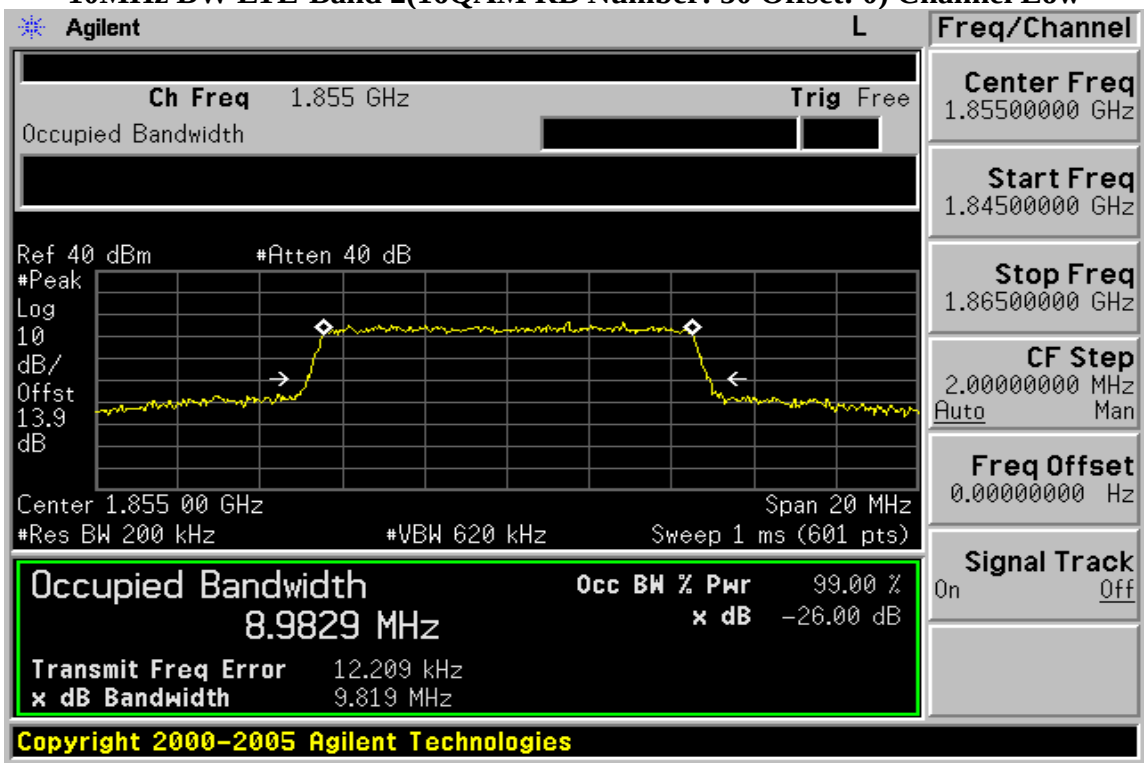

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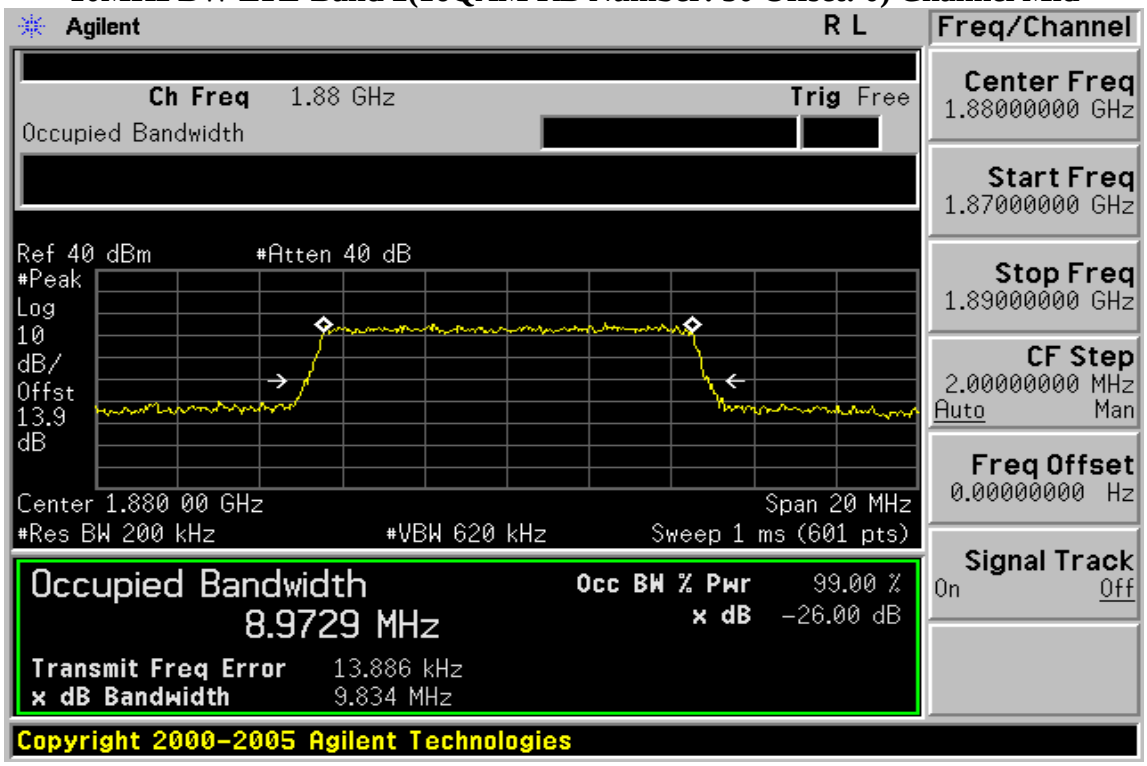
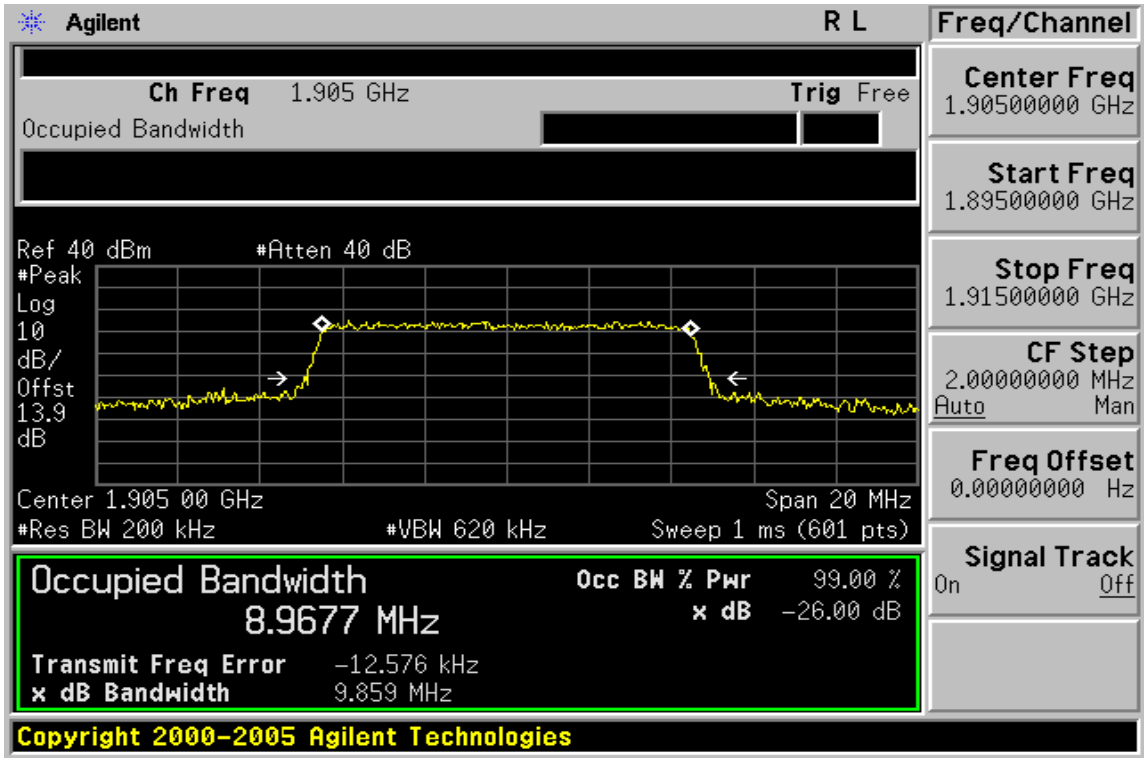
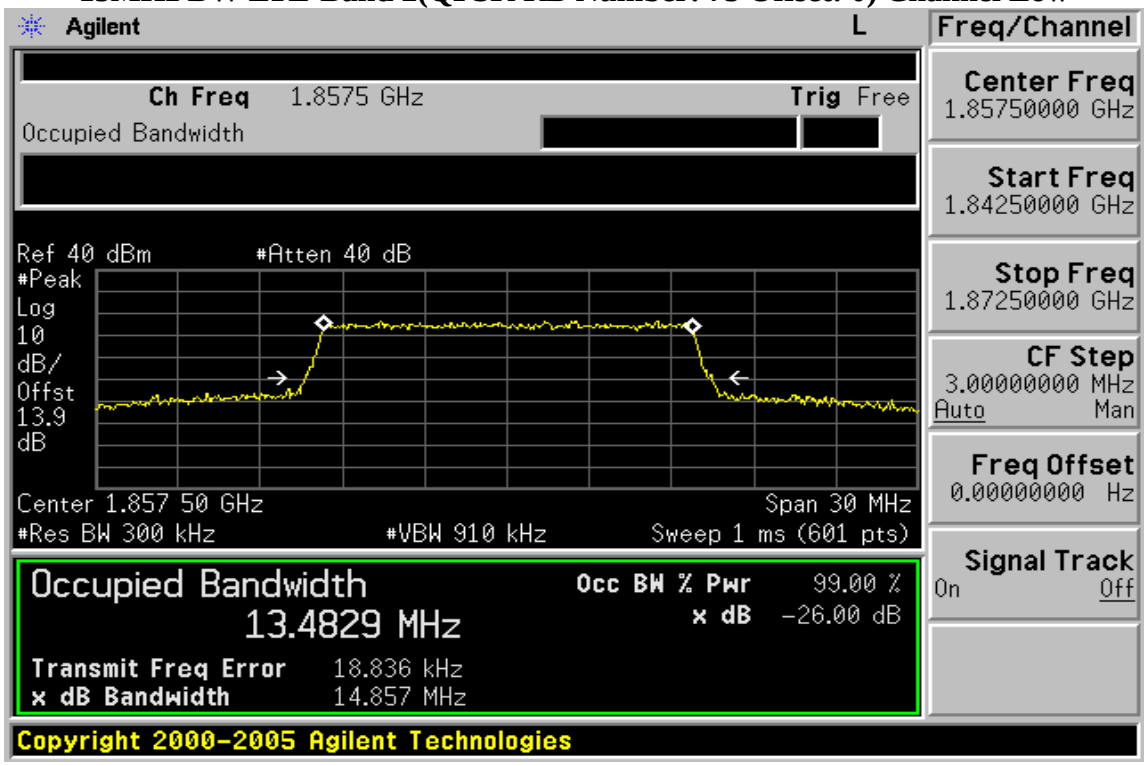


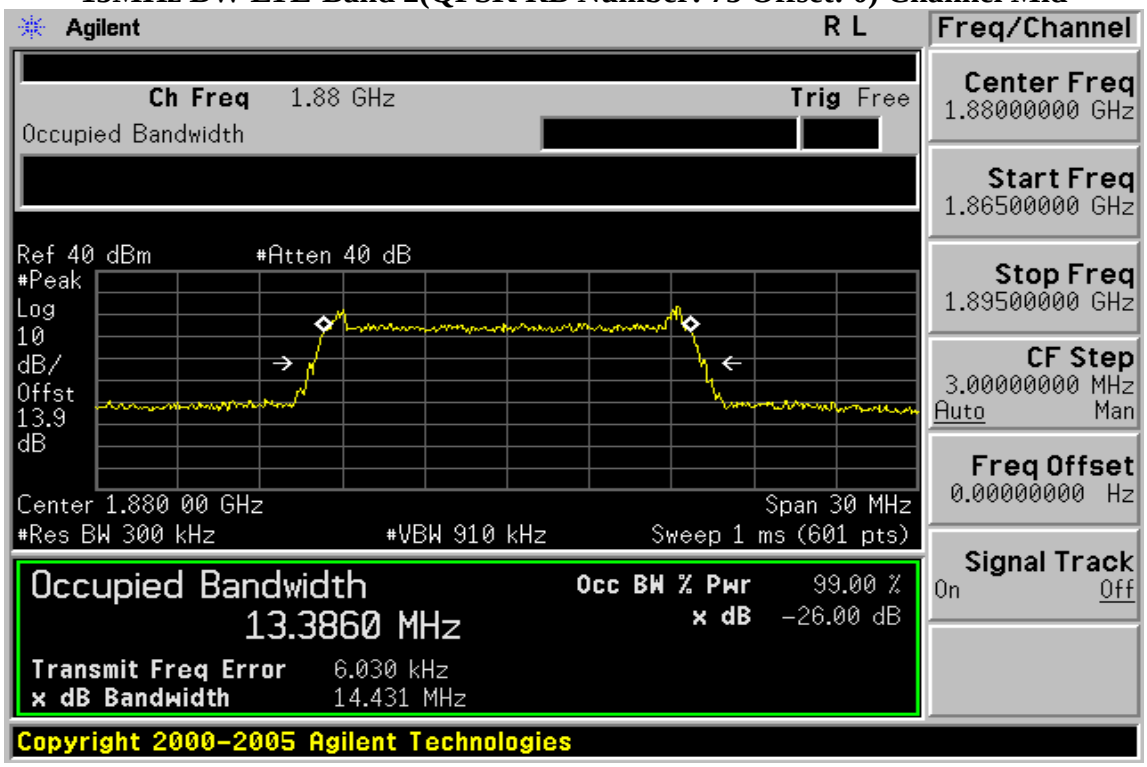
10MHz BW LTE-Band 2(16QAM RB Number: 50 Offset: 0) Channel High



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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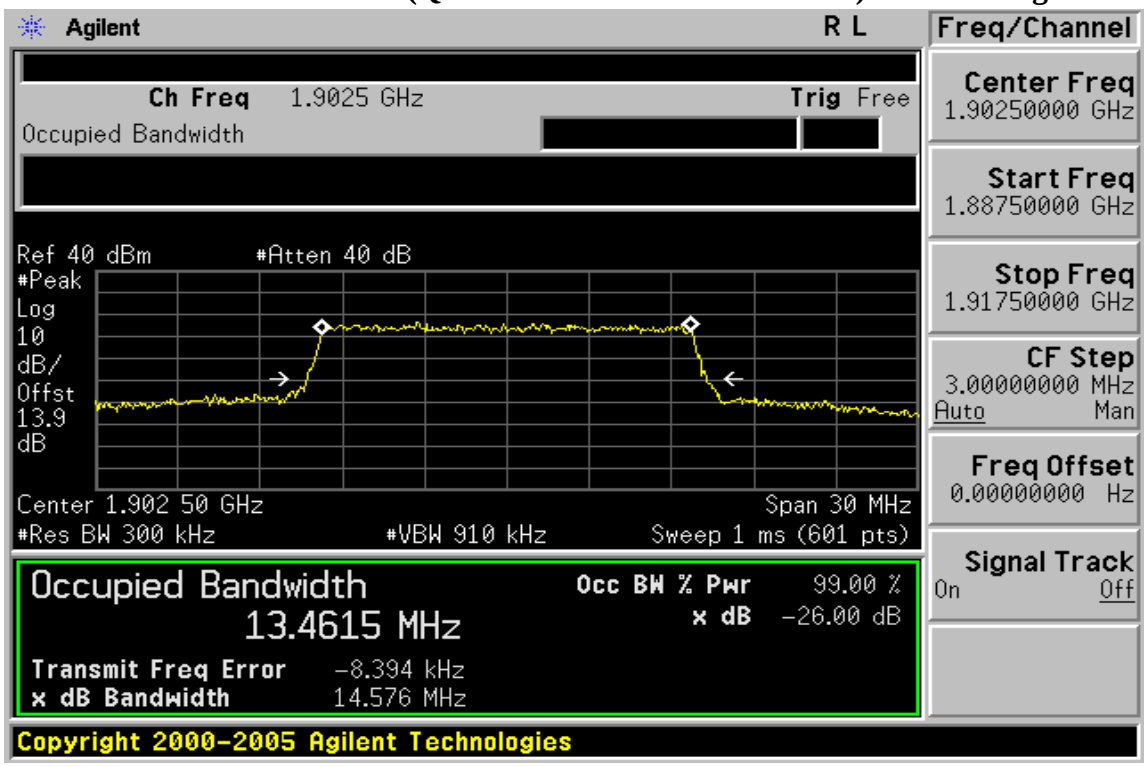

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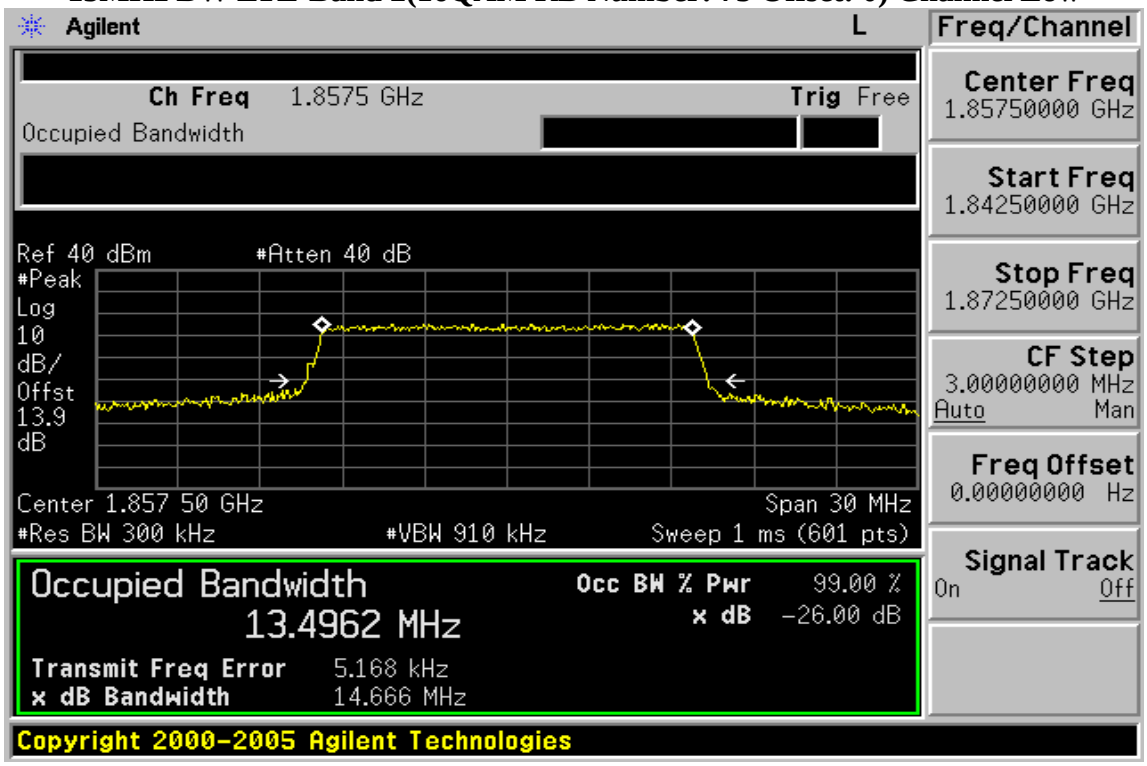
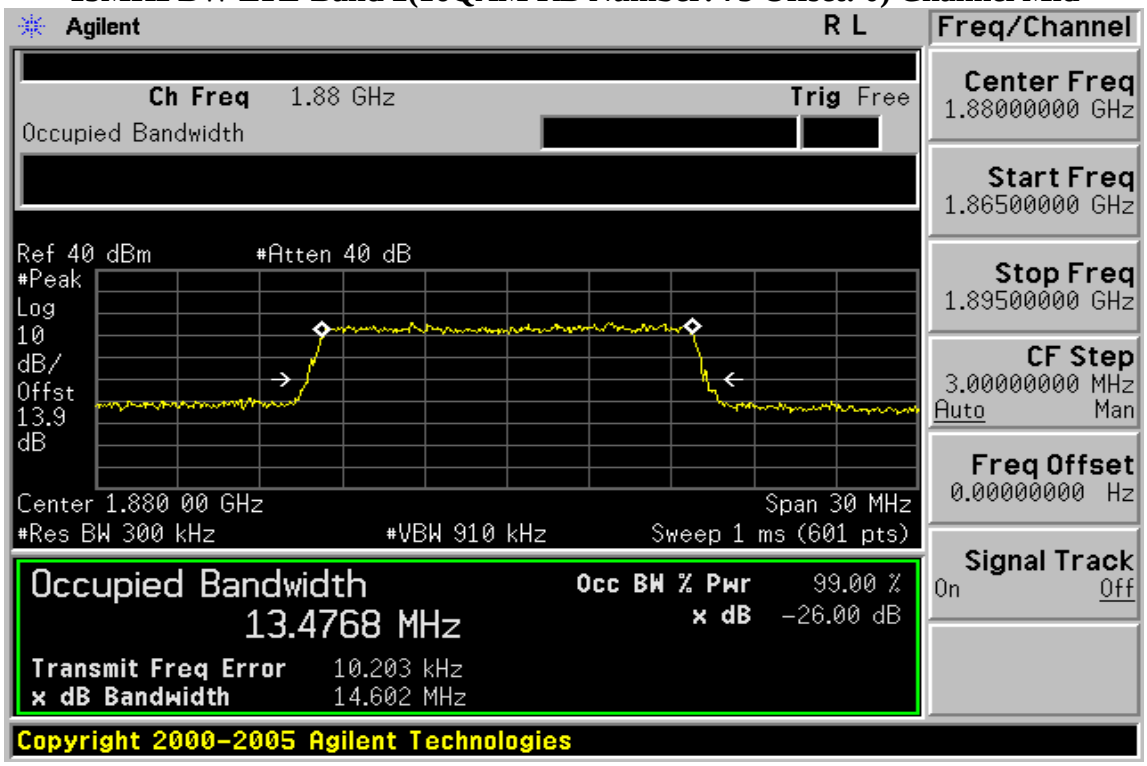
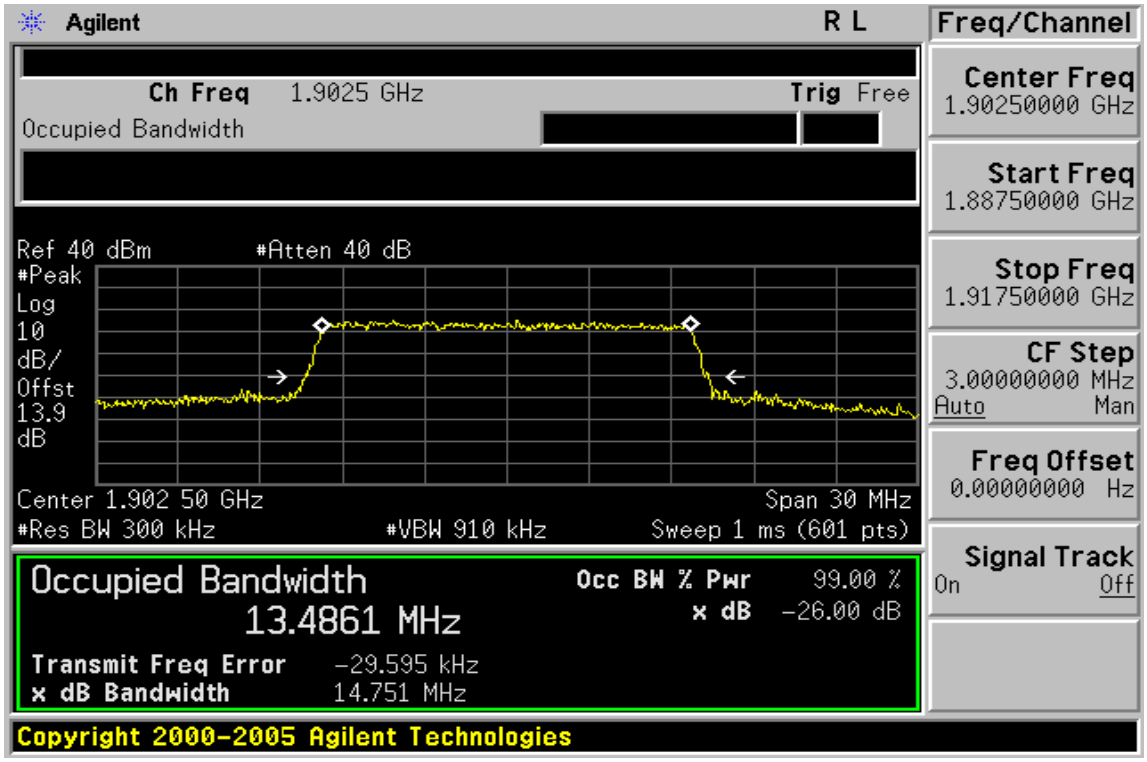


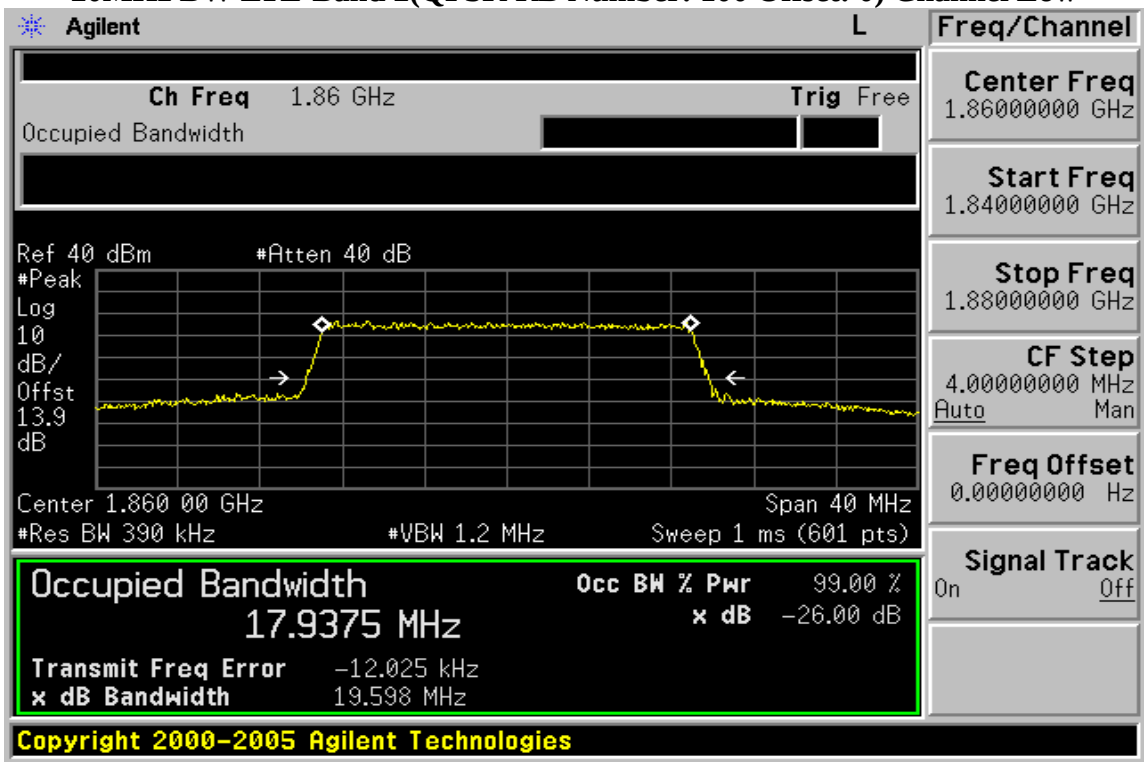
15MHz BW LTE-Band 2(16QAM RB Number: 75 Offset: 0) Channel Mid



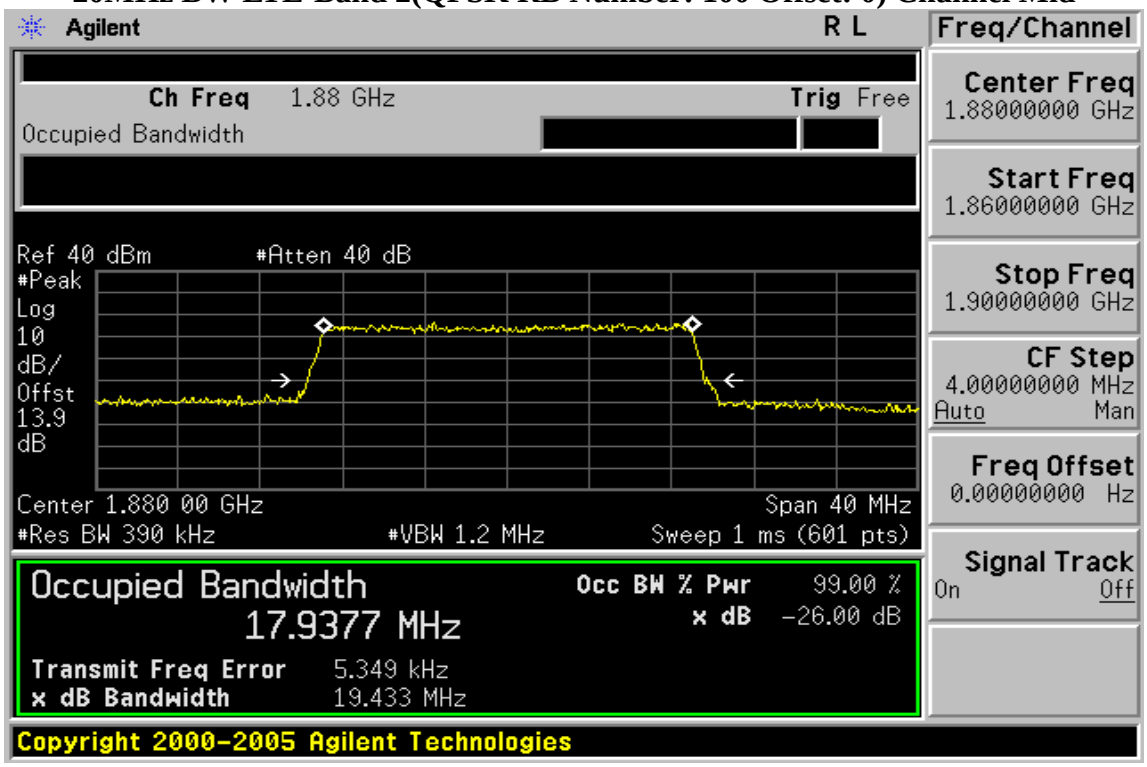
15MHz BW LTE-Band 2(16QAM RB Number: 75 Offset: 0) Channel High



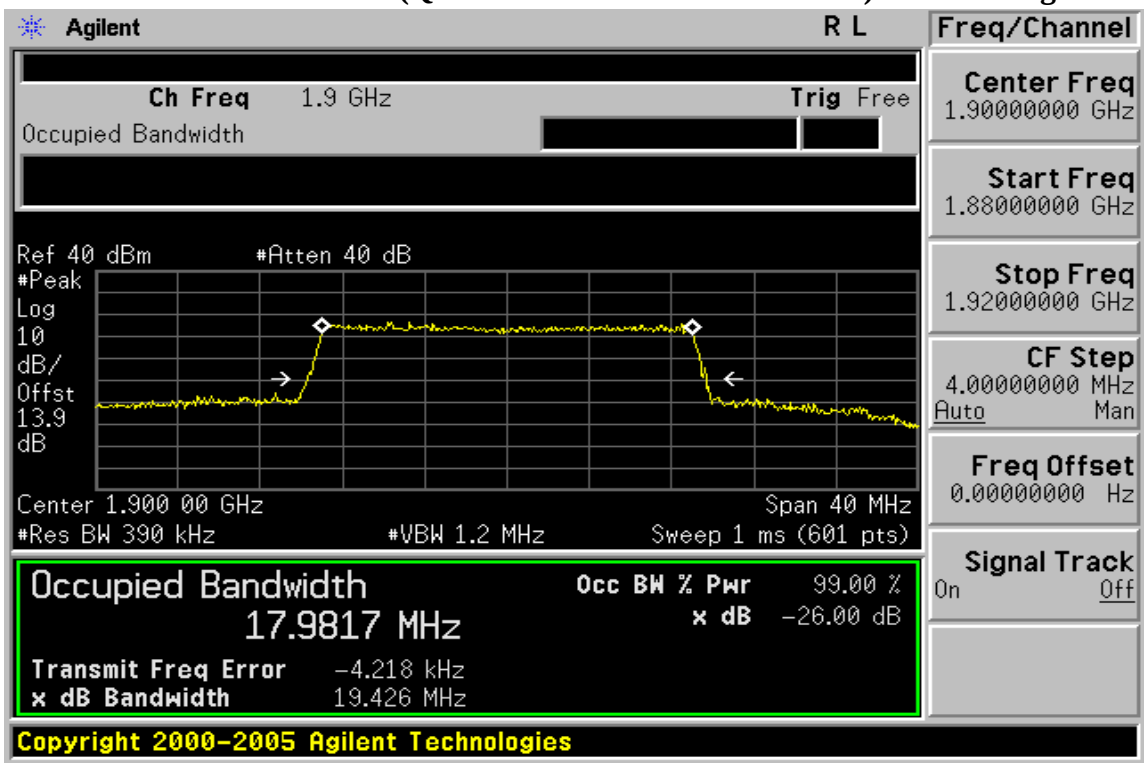
20MHz BW LTE-Band 2(QPSK RB Number: 100 Offset: 0) Channel Low



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



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



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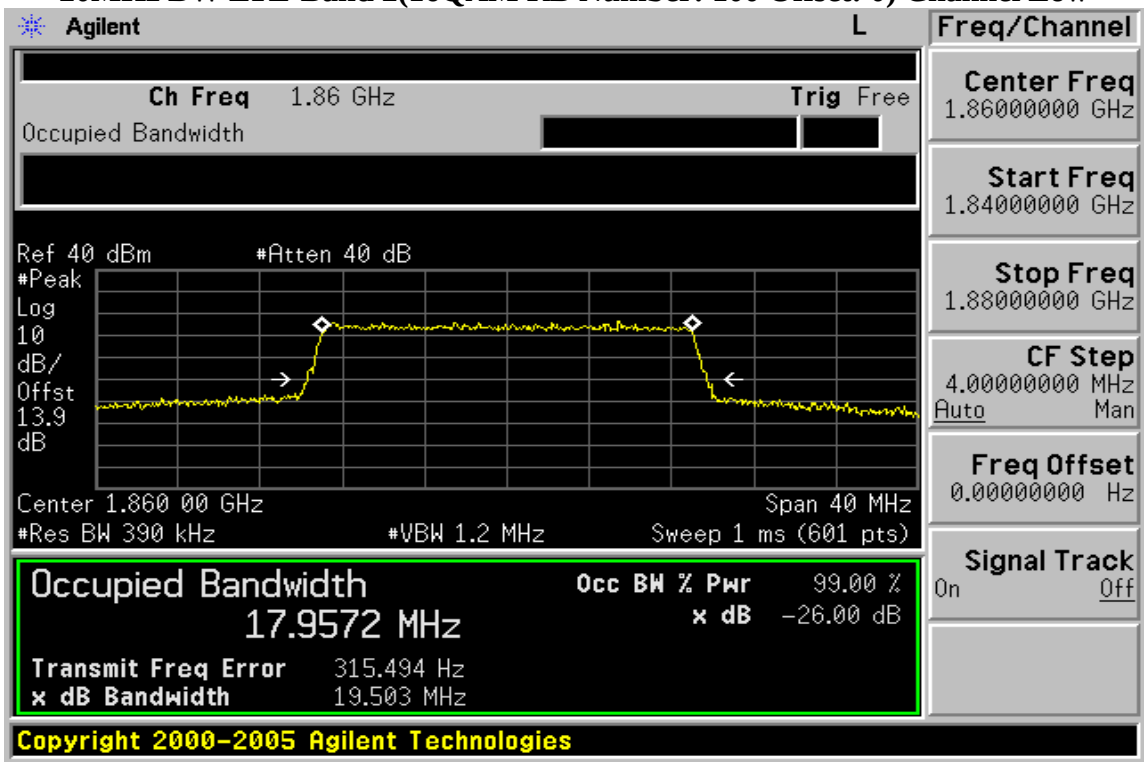

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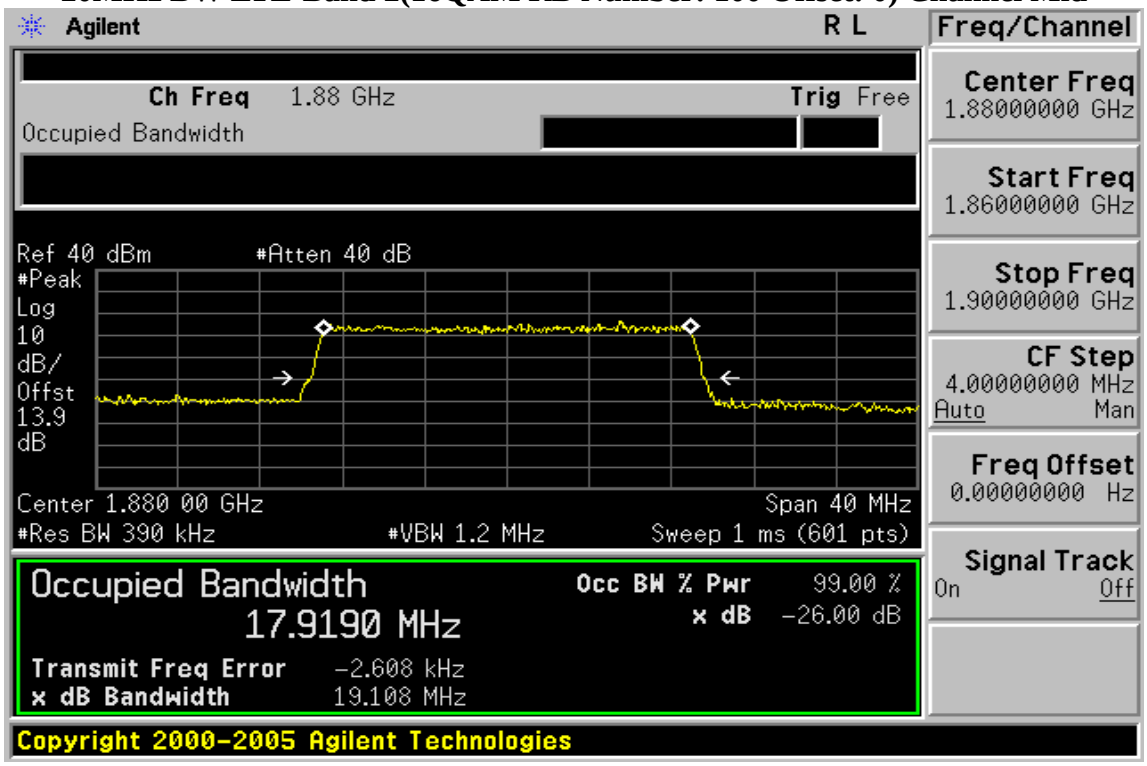
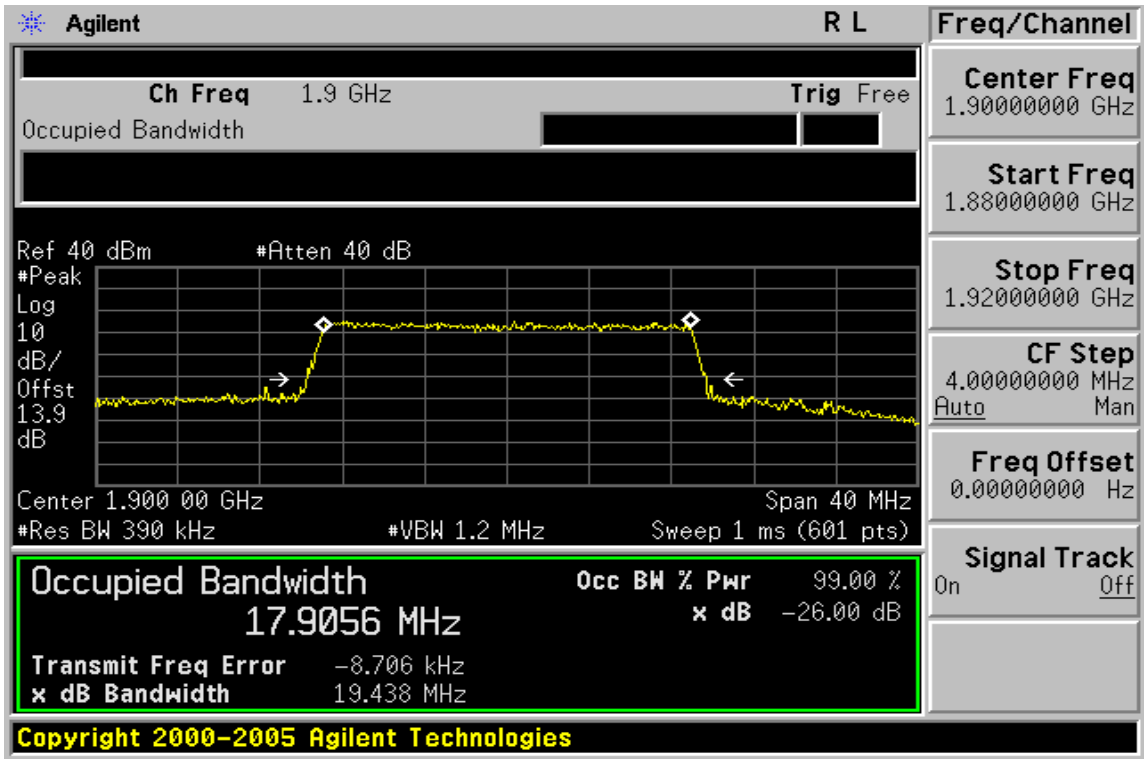
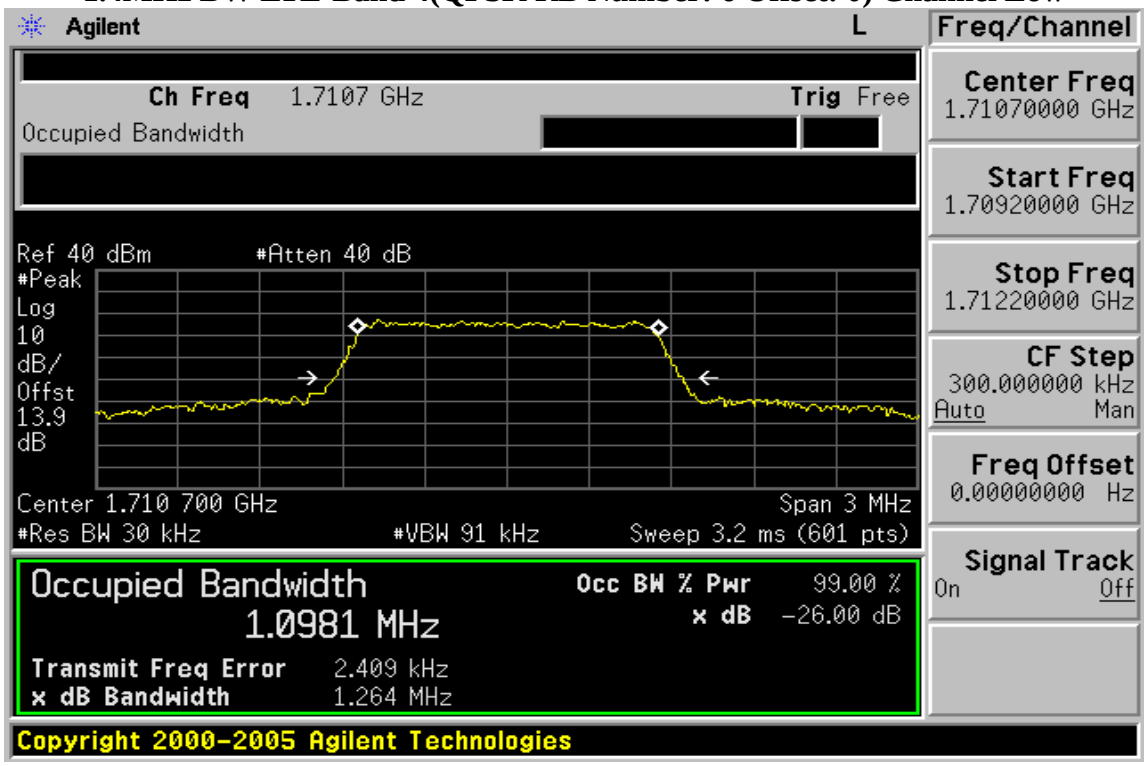


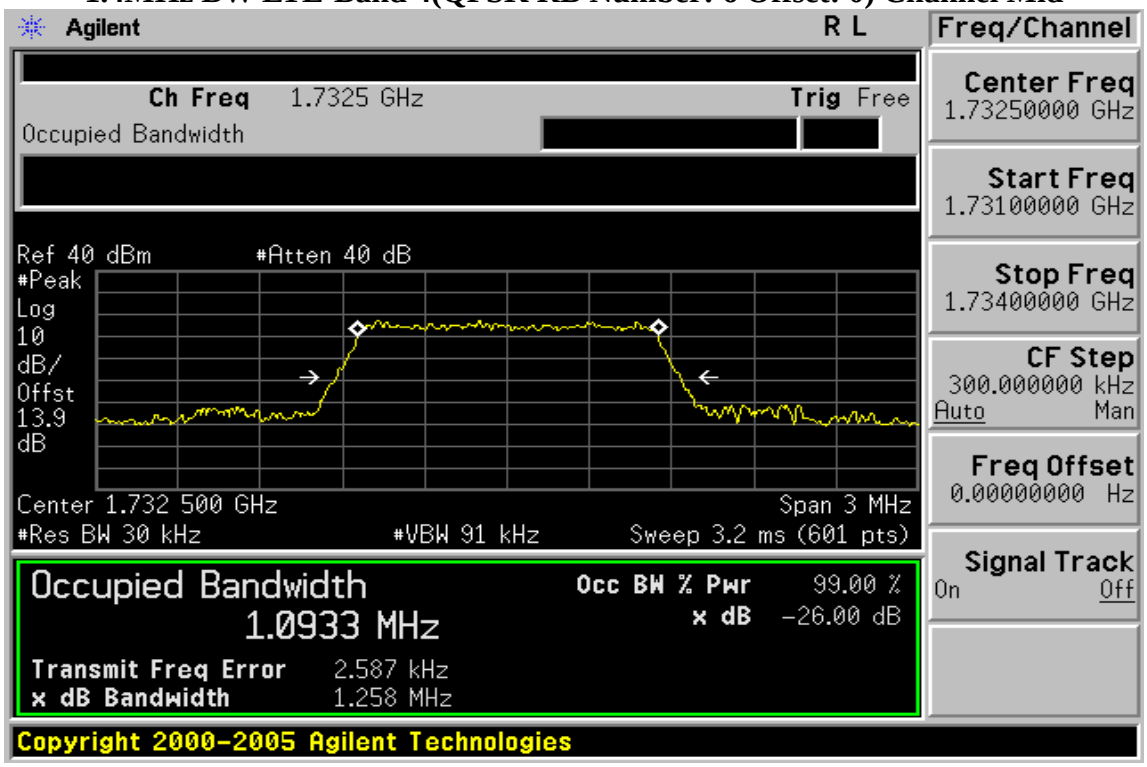
20MHz BW LTE-Band 2(16QAM RB Number: 100 Offset: 0) Channel High



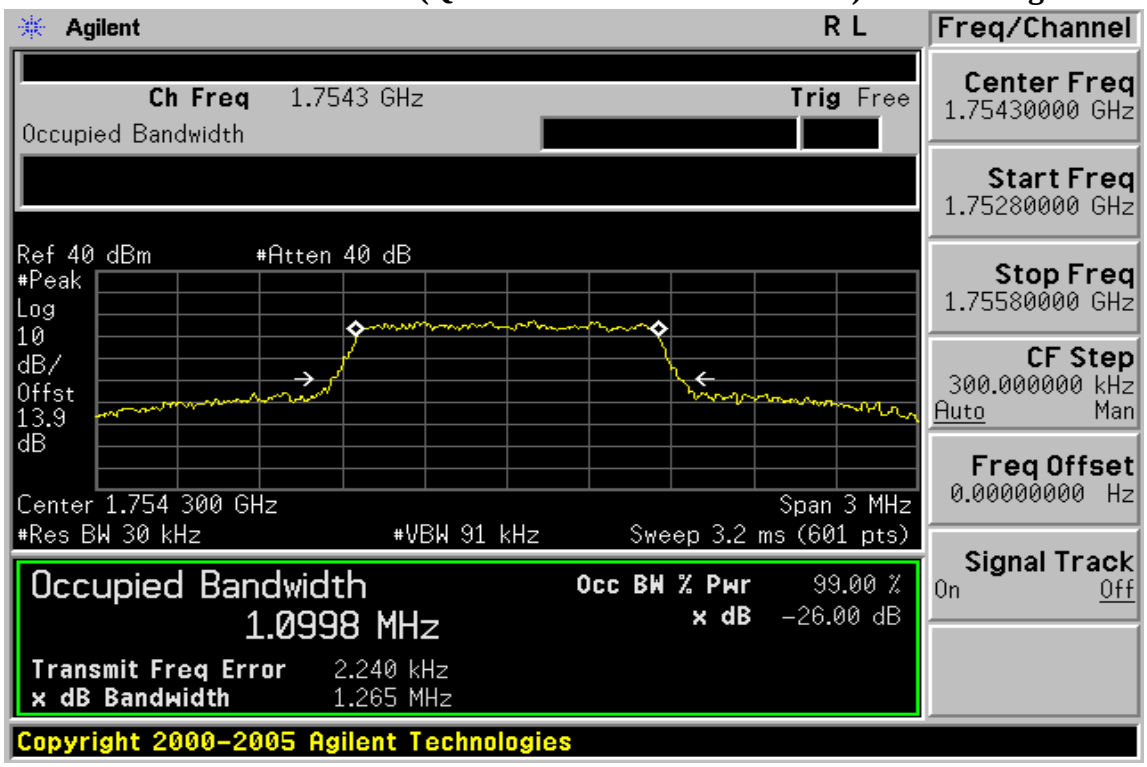
1.4MHz BW LTE-Band 4(QPSK RB Number: 6 Offset: 0) Channel Low



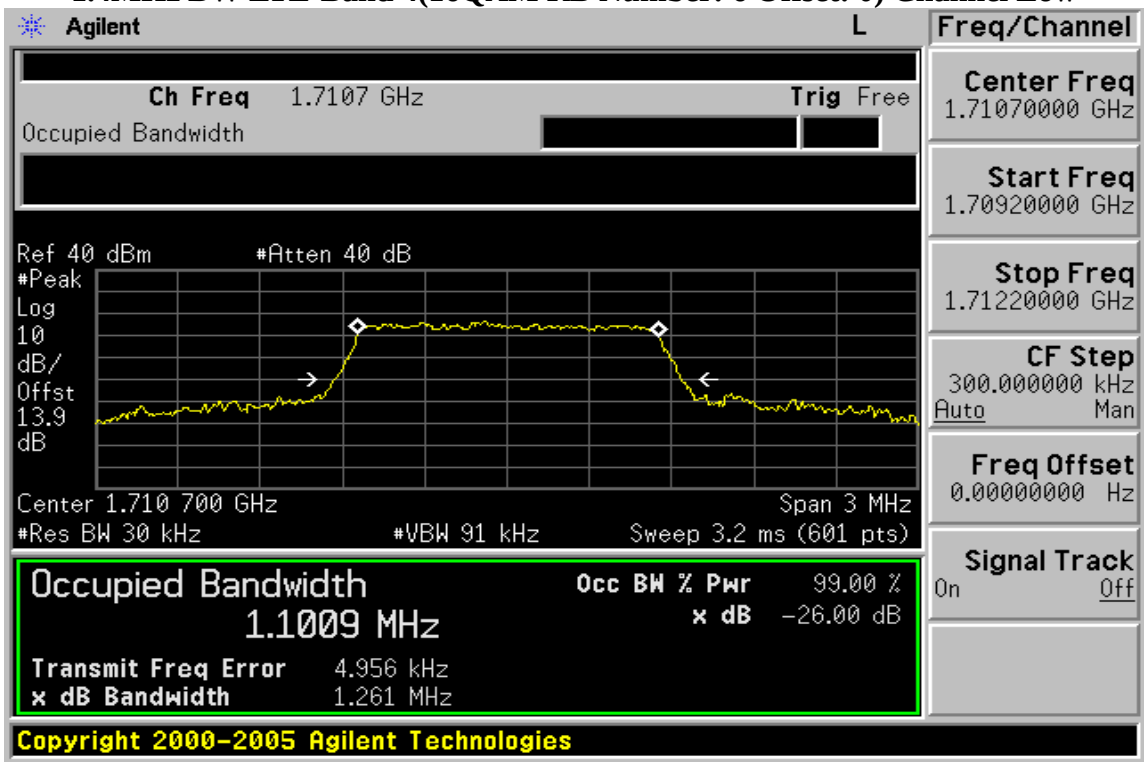
1.4MHz BW LTE-Band 4(QPSK RB Number: 6 Offset: 0) Channel Mid



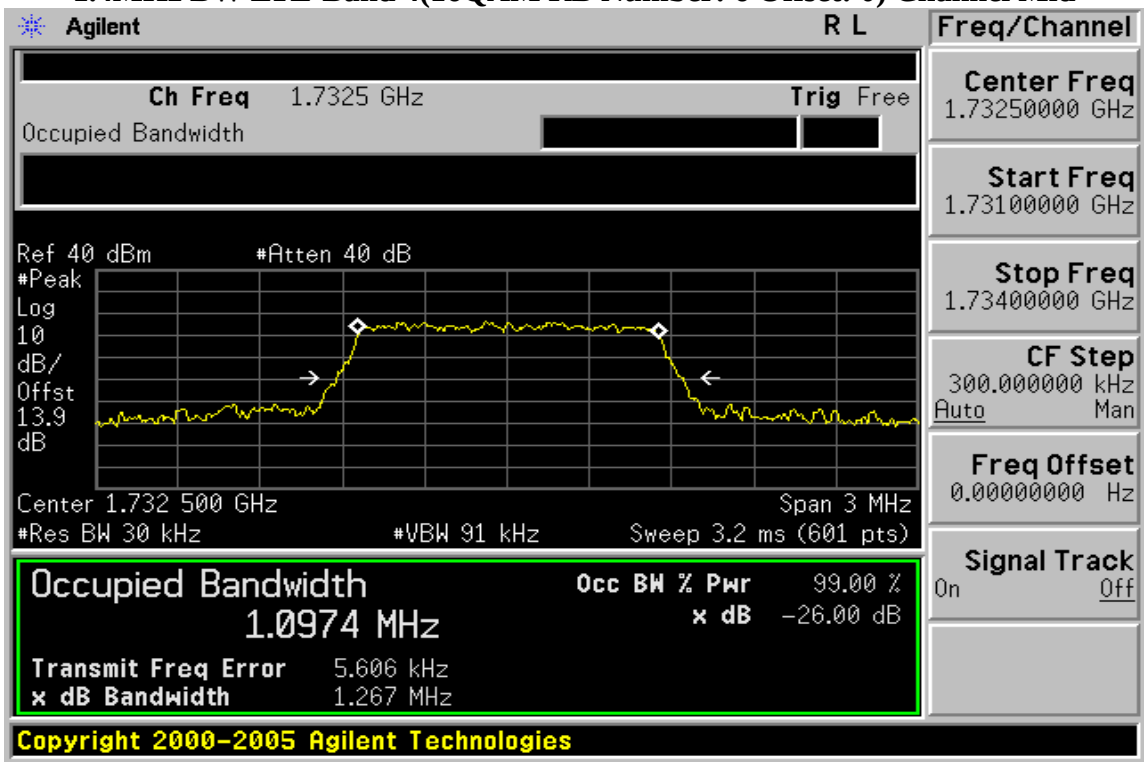
1.4MHz BW LTE-Band 4(QPSK RB Number: 6 Offset: 0) Channel High



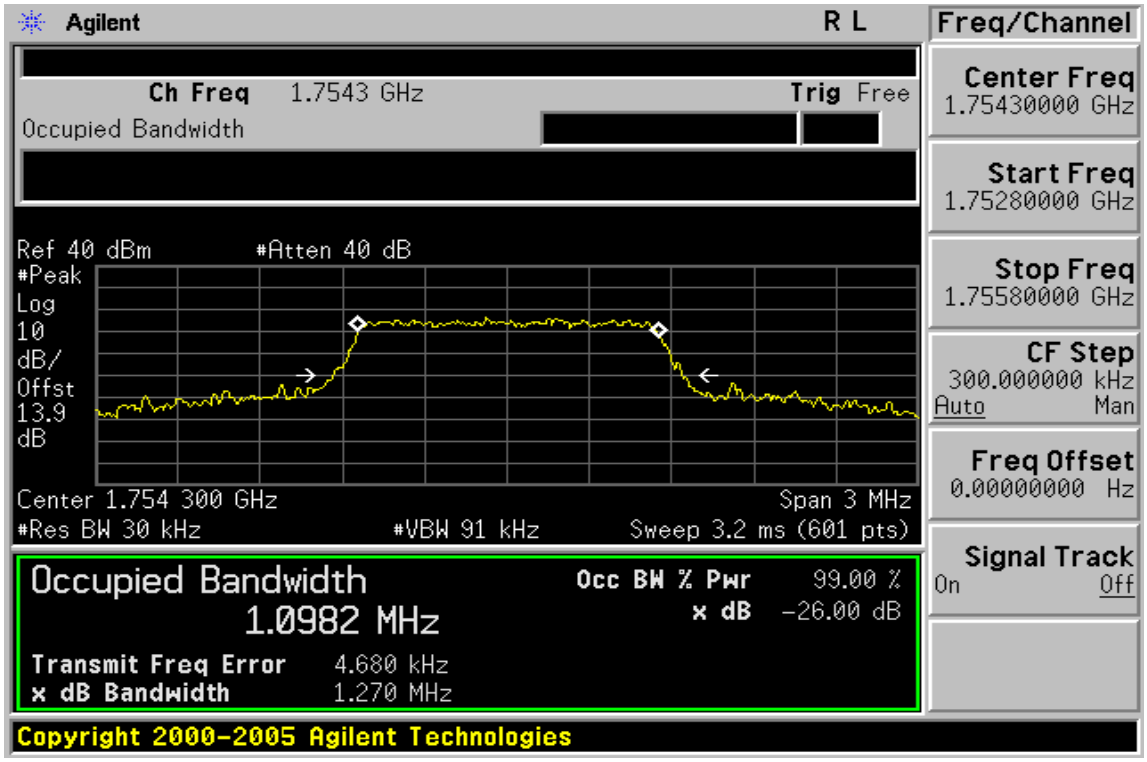
1.4MHz BW LTE-Band 4(16QAM RB Number: 6 Offset: 0) Channel Low



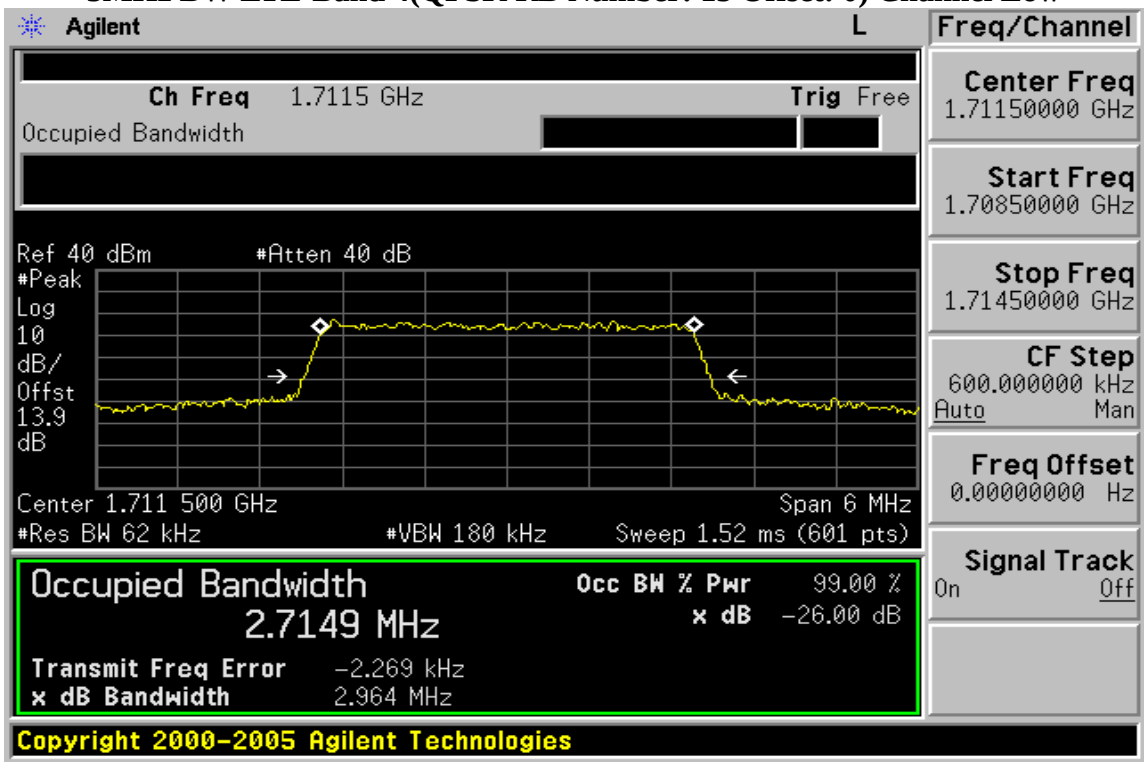
1.4MHz BW LTE-Band 4(16QAM RB Number: 6 Offset: 0) Channel Mid



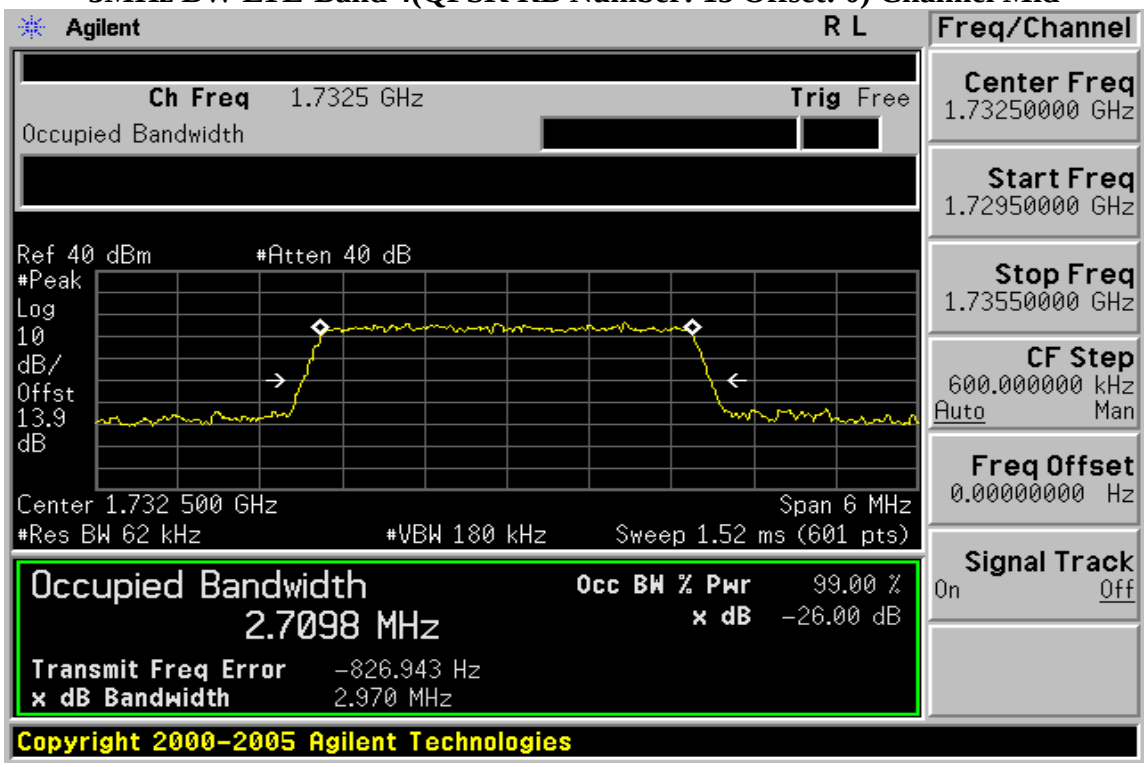
1.4MHz BW LTE-Band 4(16QAM RB Number: 6 Offset: 0) Channel High



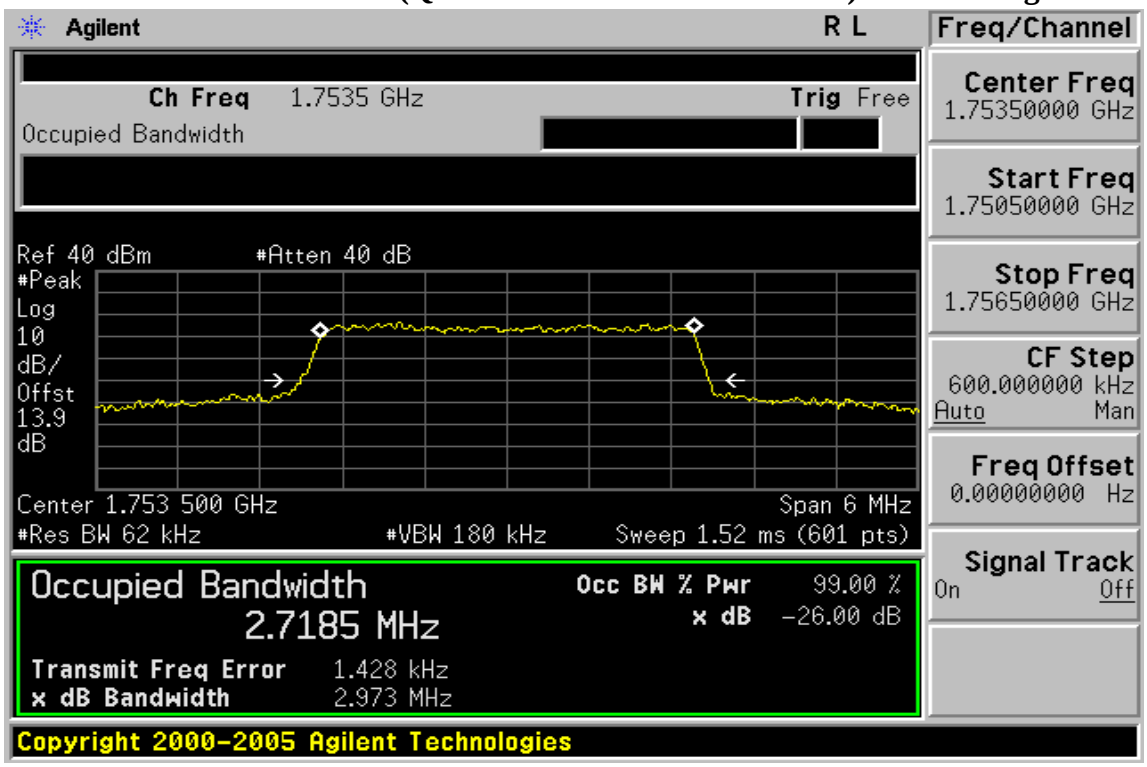
3MHz BW LTE-Band 4(QPSK RB Number: 15 Offset: 0) Channel Low



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



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



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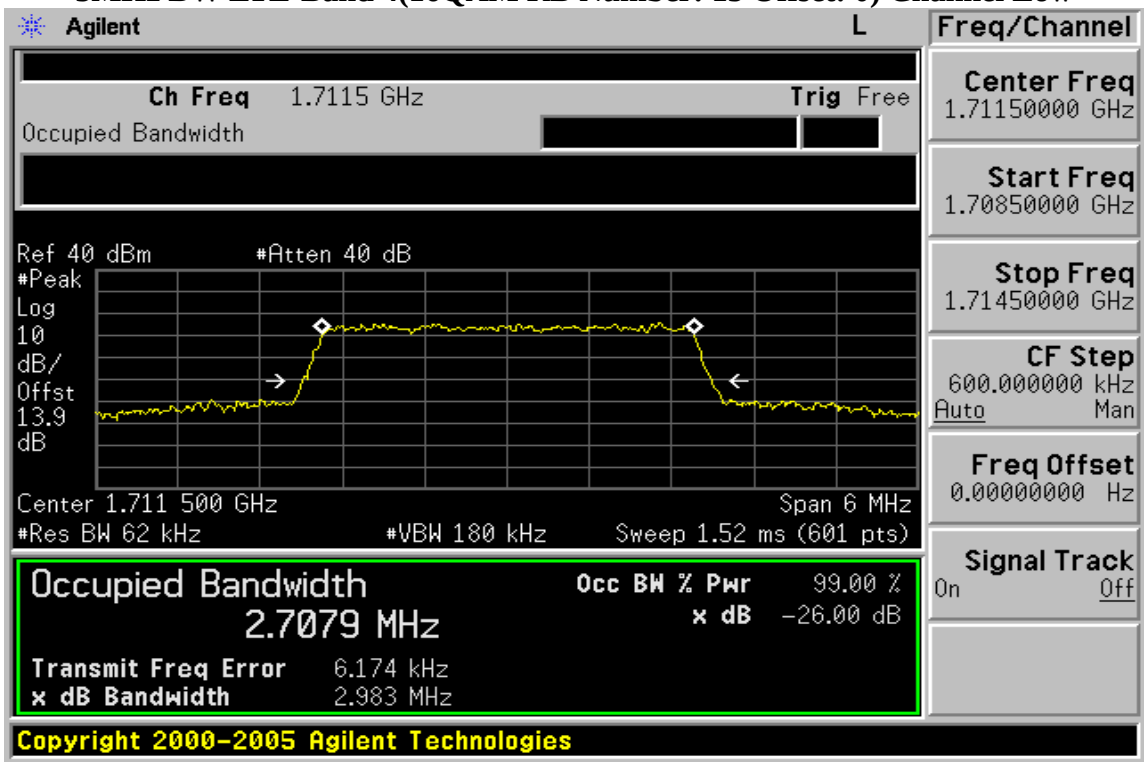

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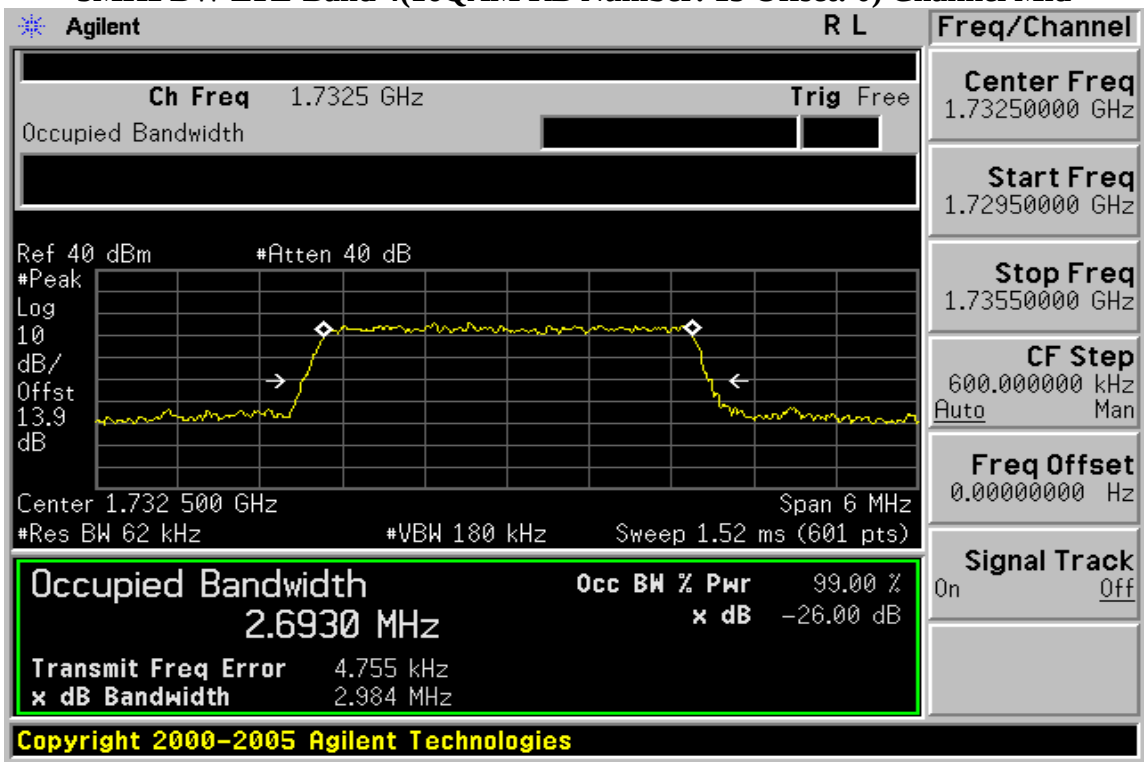
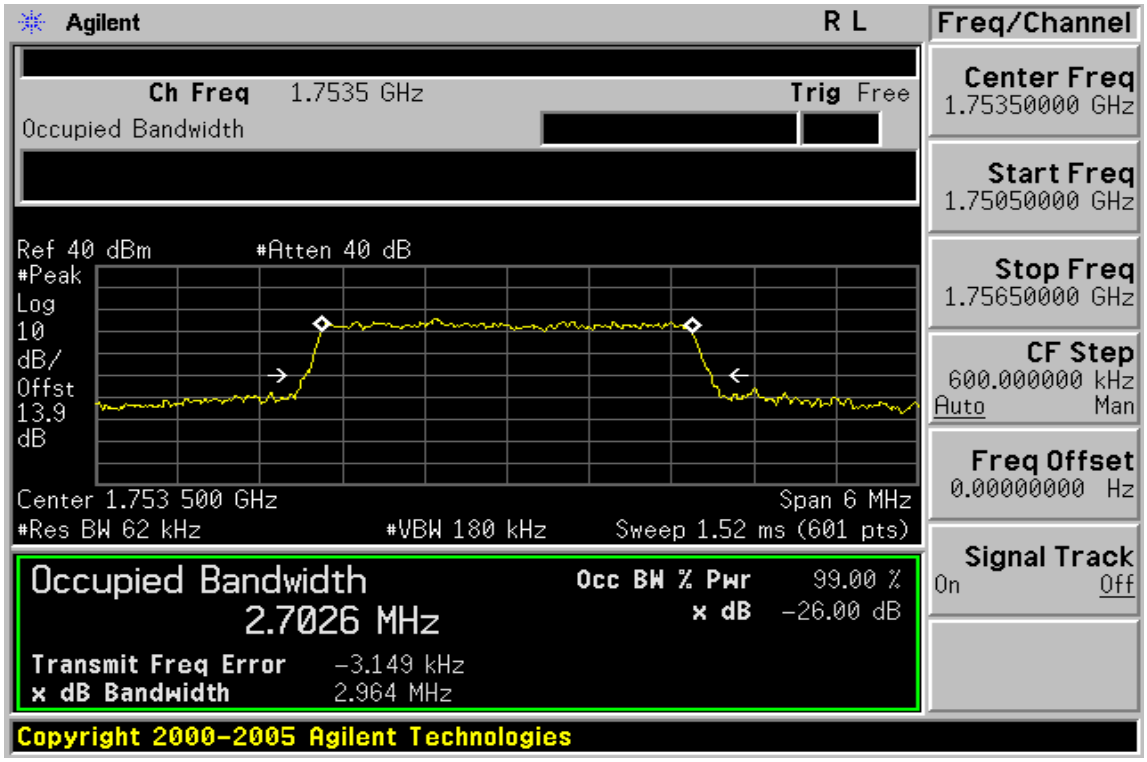


3MHz BW LTE-Band 4(16QAM RB Number: 15 Offset: 0) Channel High



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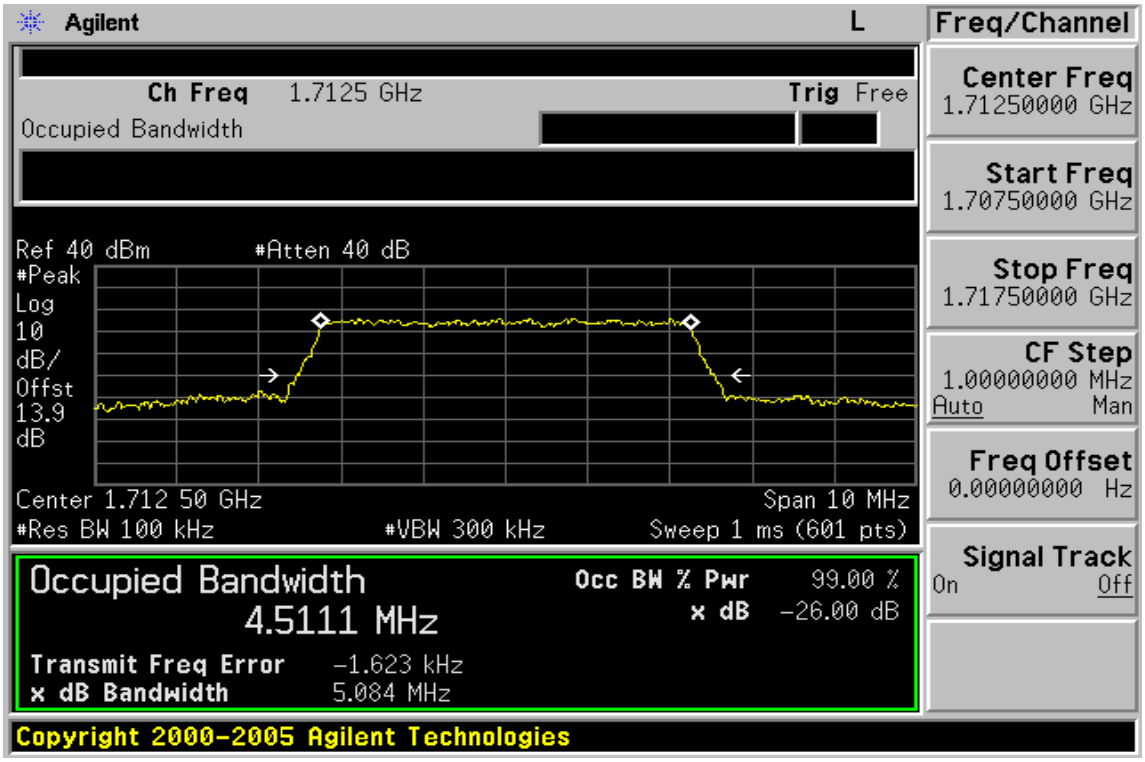
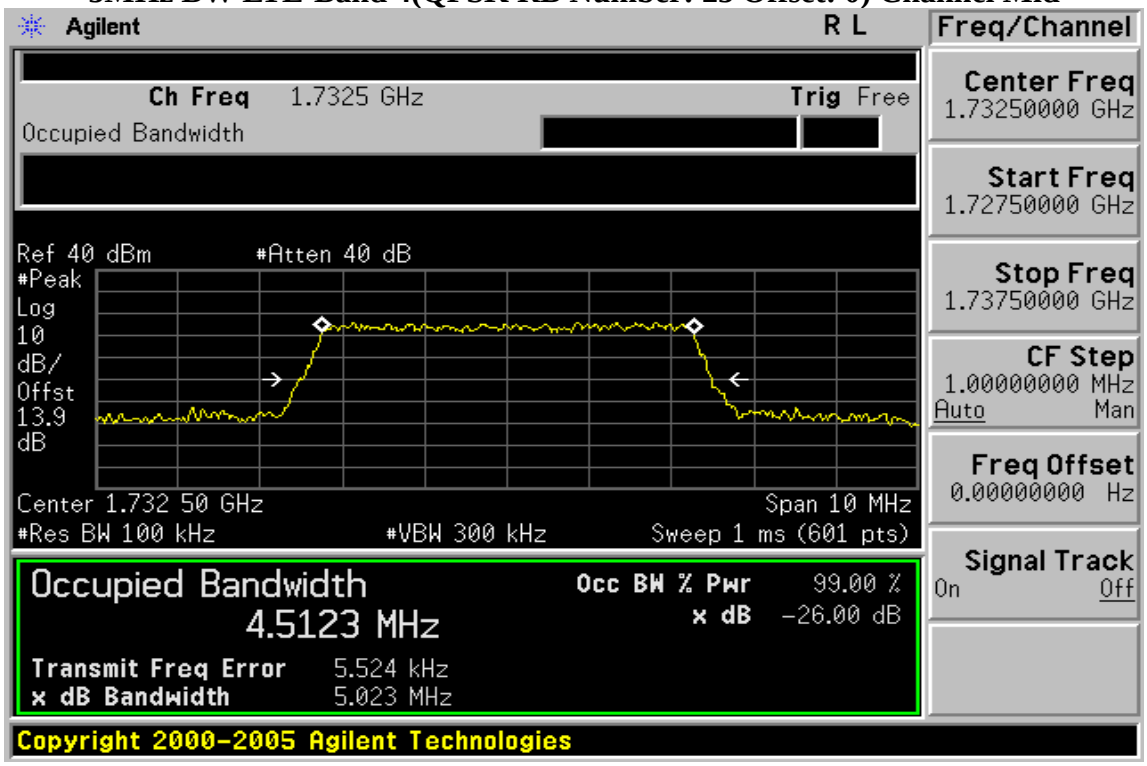
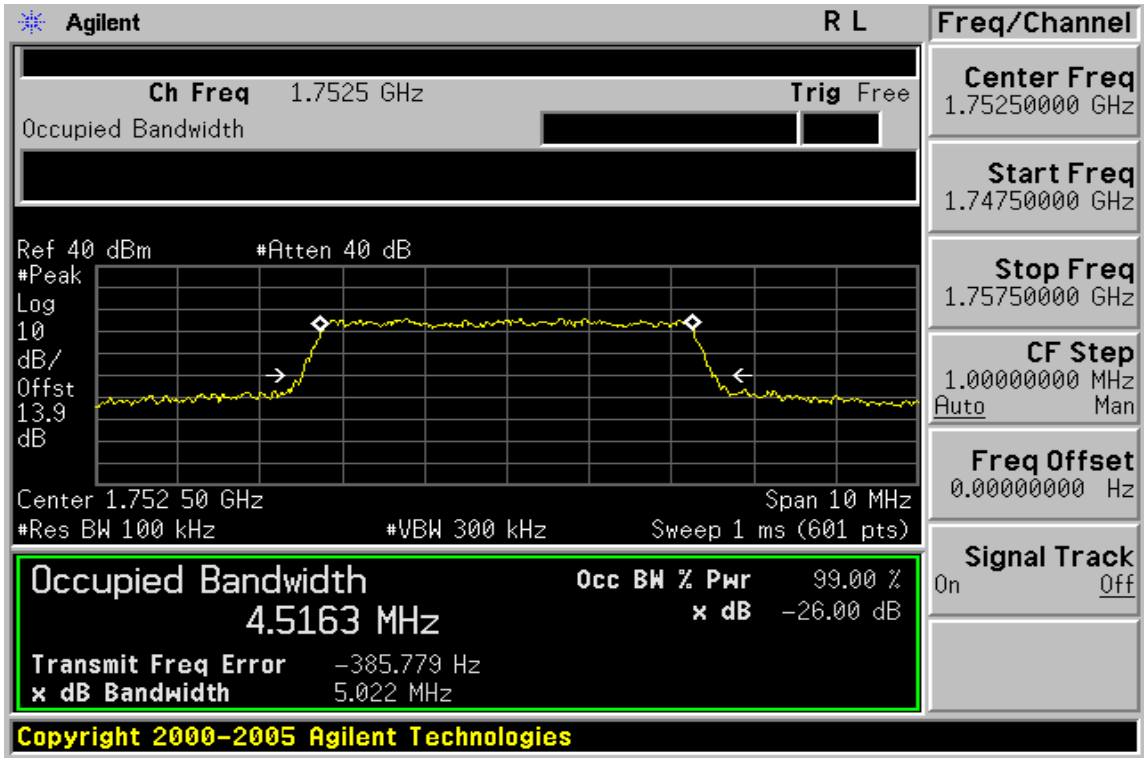


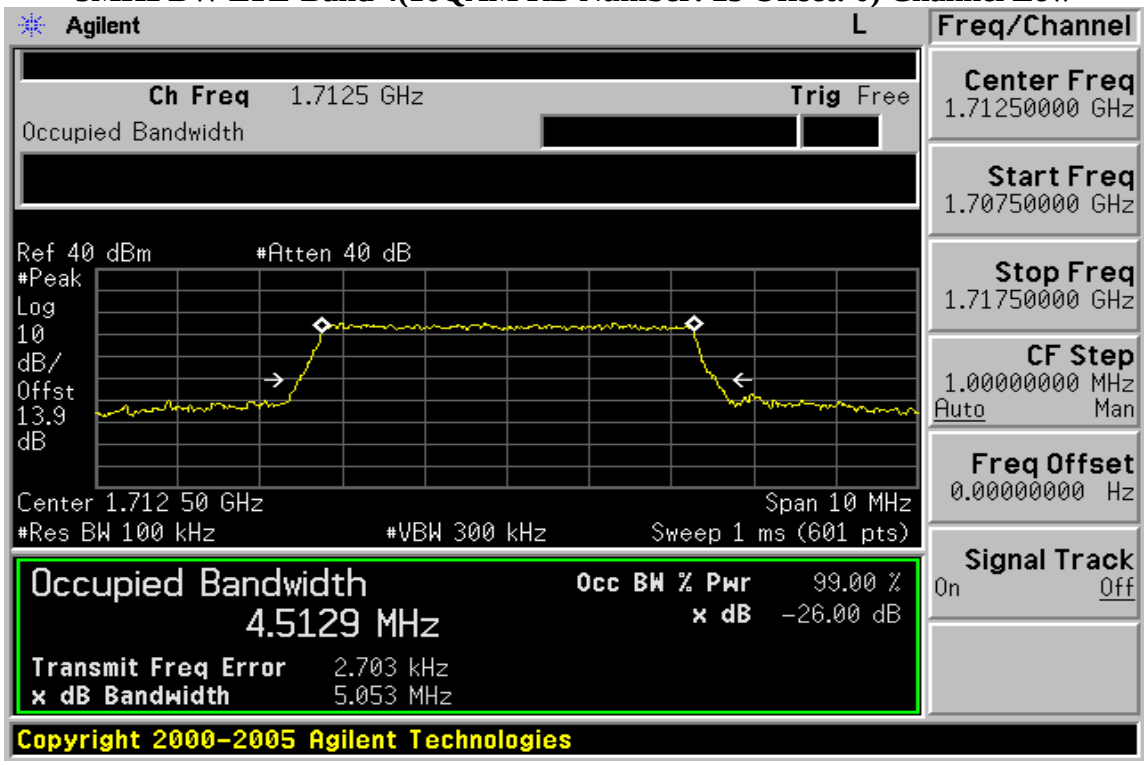
5MHz BW LTE-Band 4(QPSK RB Number: 25 Offset: 0) Channel Mid



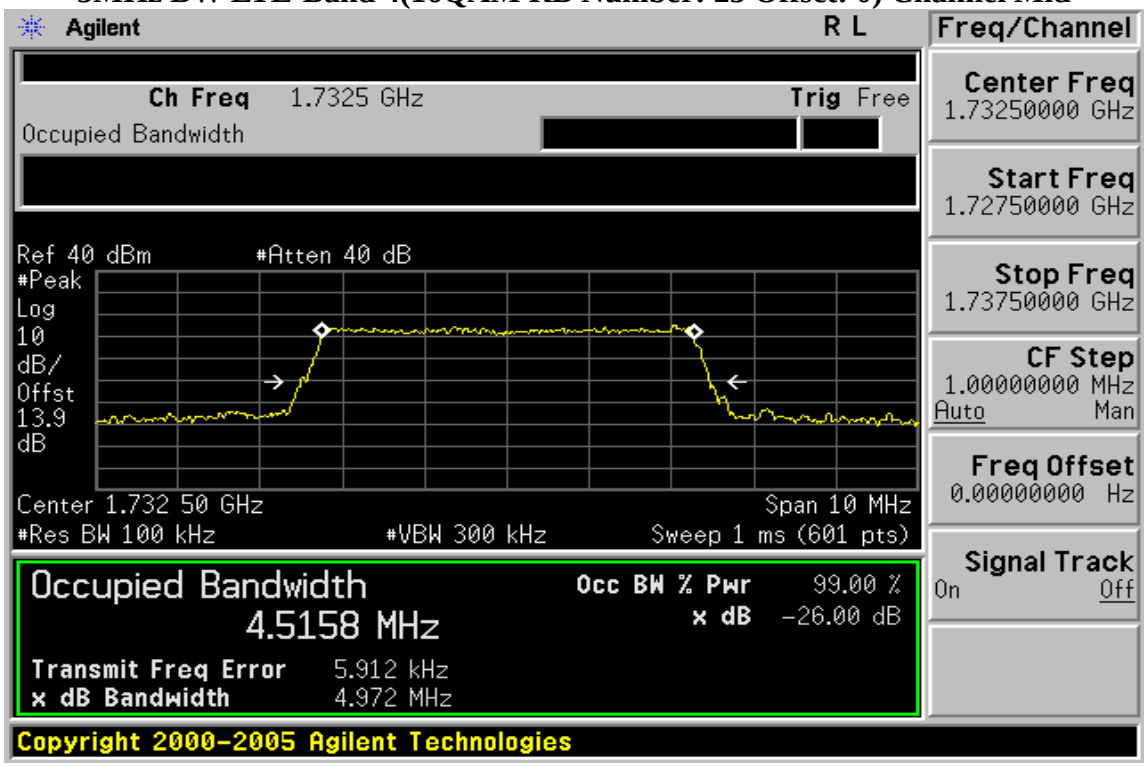
5MHz BW LTE-Band 4(QPSK RB Number: 25 Offset: 0) Channel High



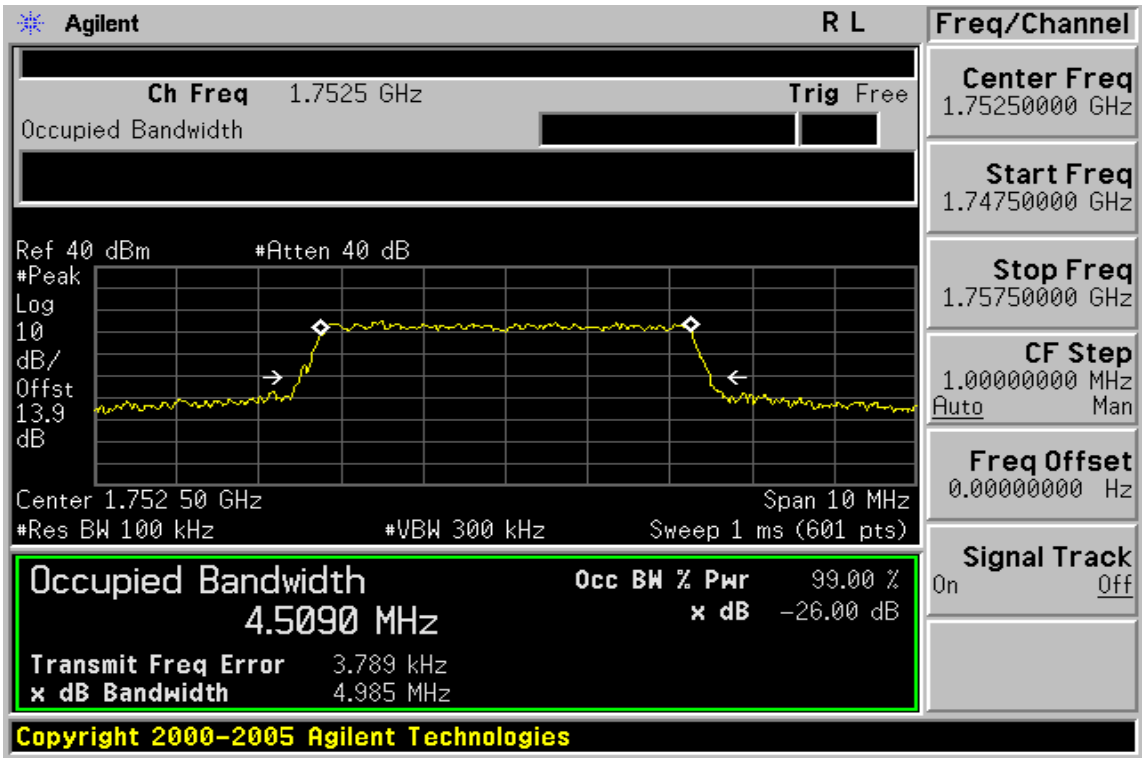
5MHz BW LTE-Band 4(16QAM RB Number: 25 Offset: 0) Channel Low



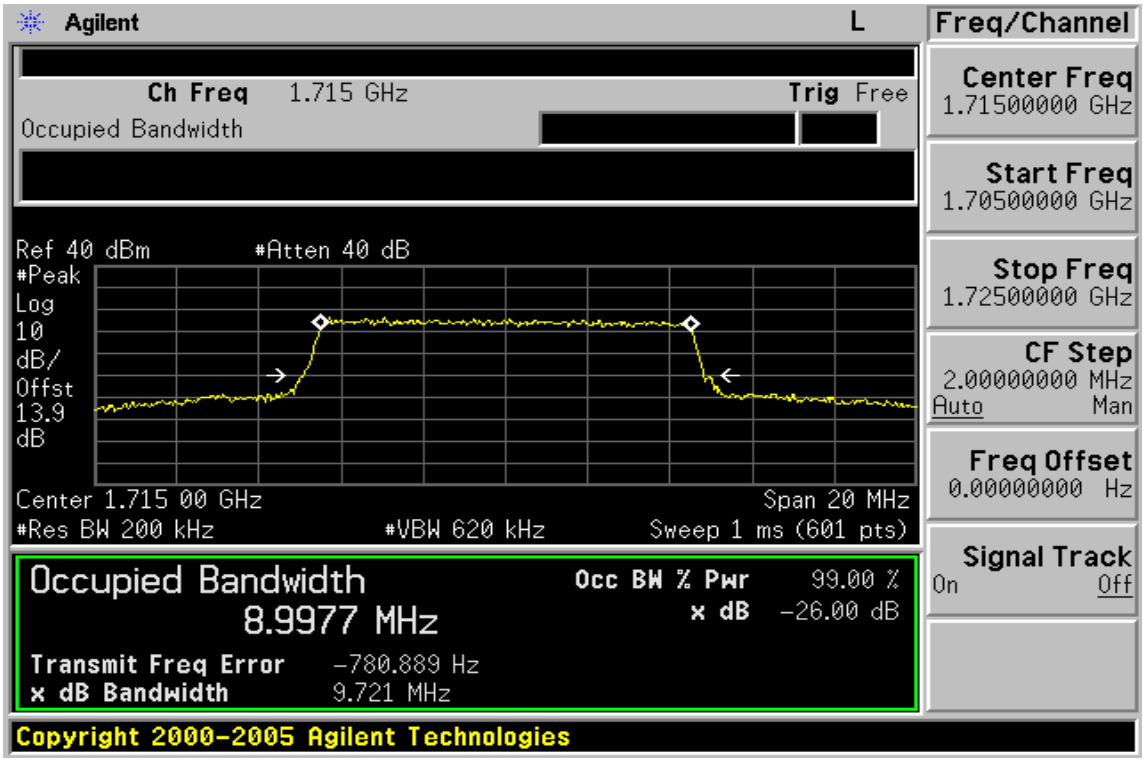
5MHz BW LTE-Band 4(16QAM RB Number: 25 Offset: 0) Channel Mid



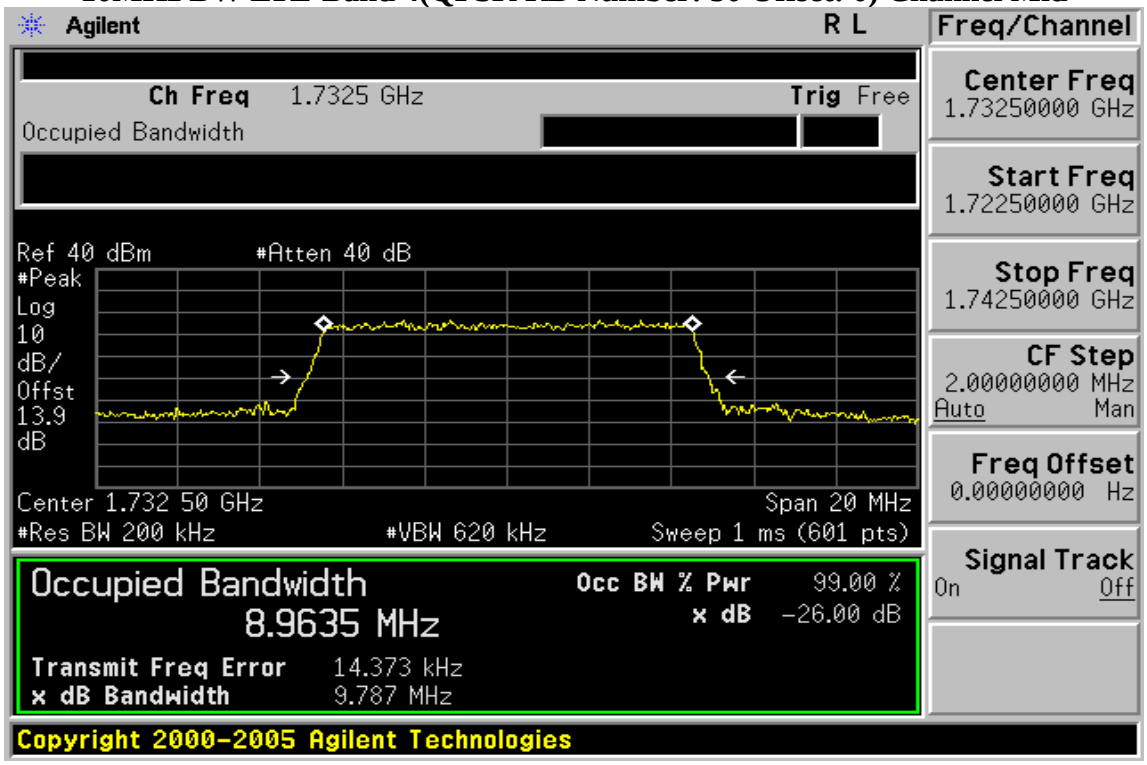
5MHz BW LTE-Band 4(16QAM RB Number: 25 Offset: 0) Channel High



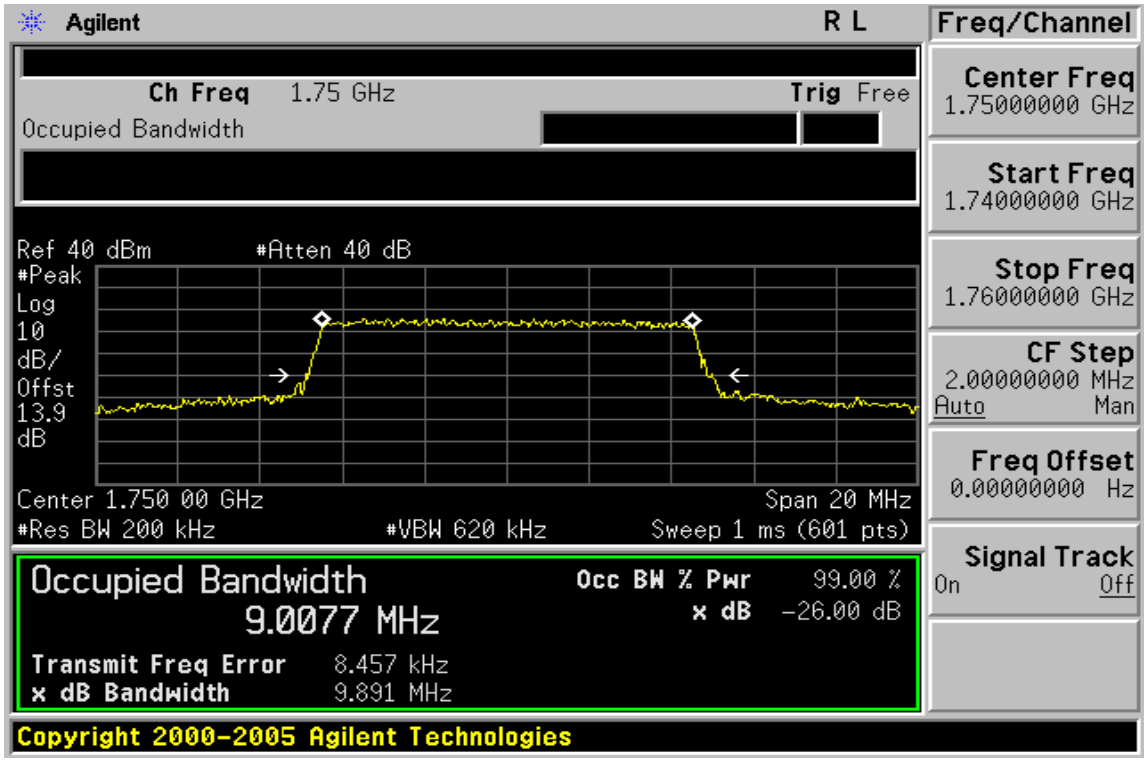
10MHz BW LTE-Band 4(QPSK RB Number: 50 Offset: 0) Channel Low



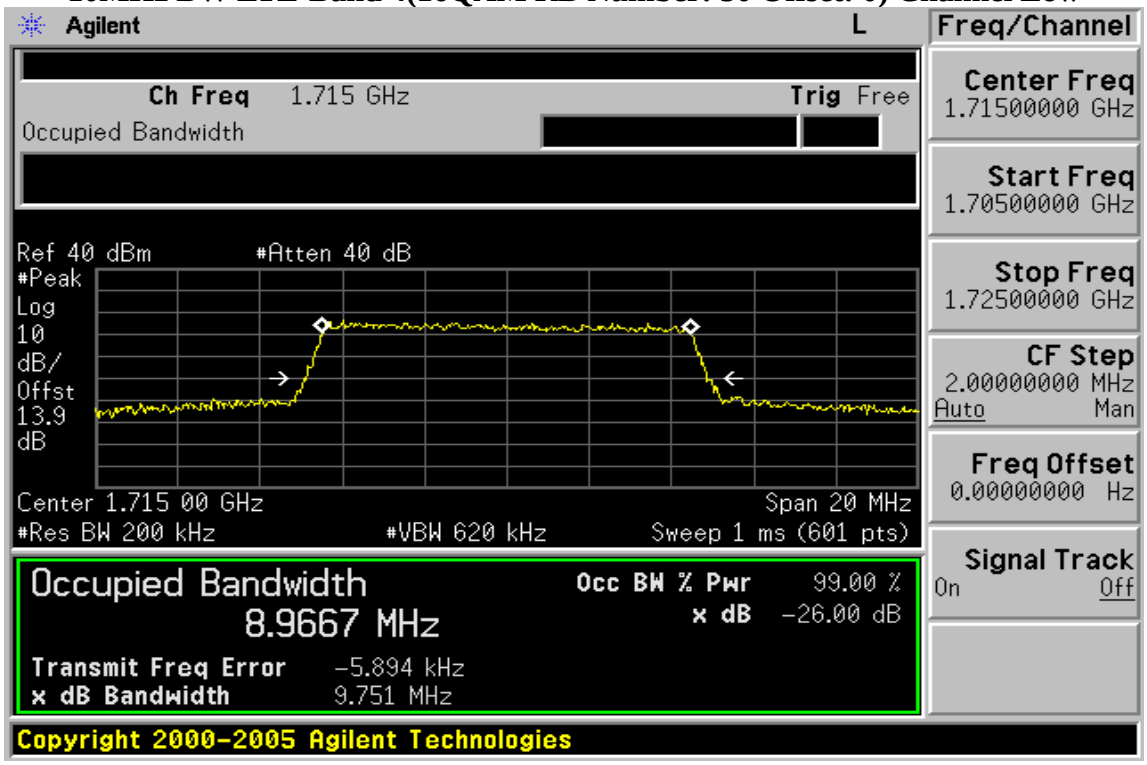
10MHz BW LTE-Band 4(QPSK RB Number: 50 Offset: 0) Channel Mid



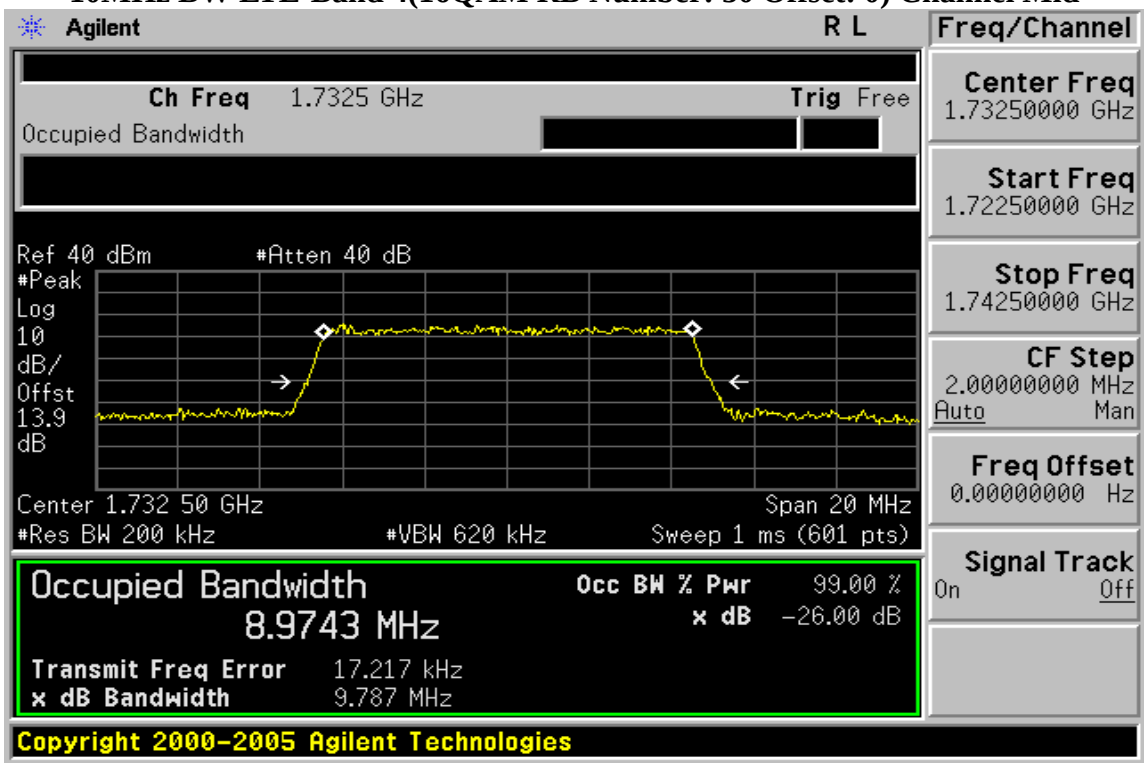
10MHz BW LTE-Band 4(QPSK RB Number: 50 Offset: 0) Channel High



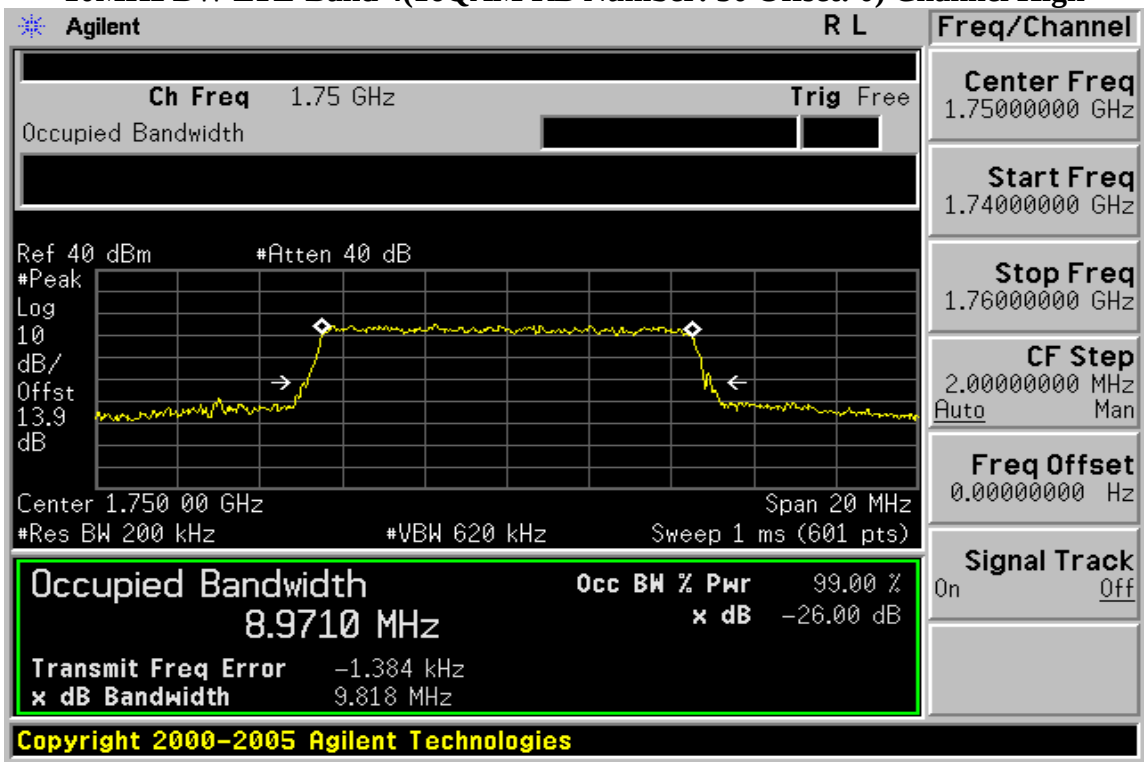
10MHz BW LTE-Band 4(16QAM RB Number: 50 Offset: 0) Channel Low



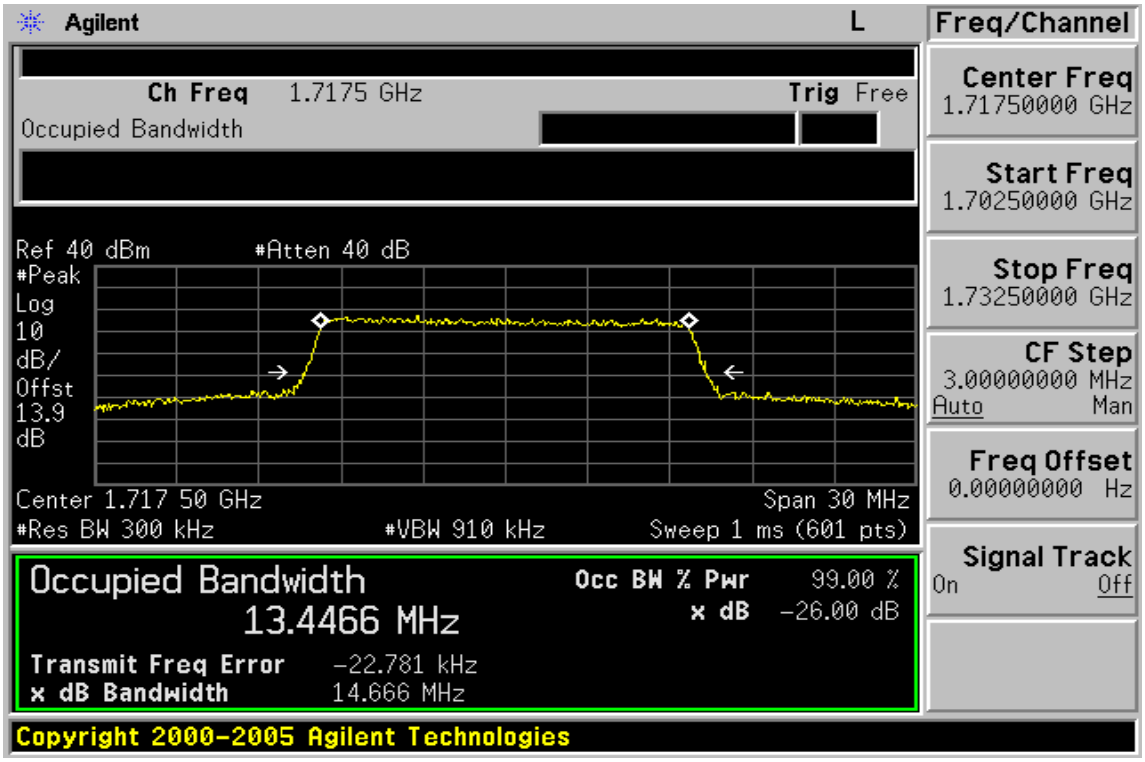
10MHz BW LTE-Band 4(16QAM RB Number: 50 Offset: 0) Channel Mid



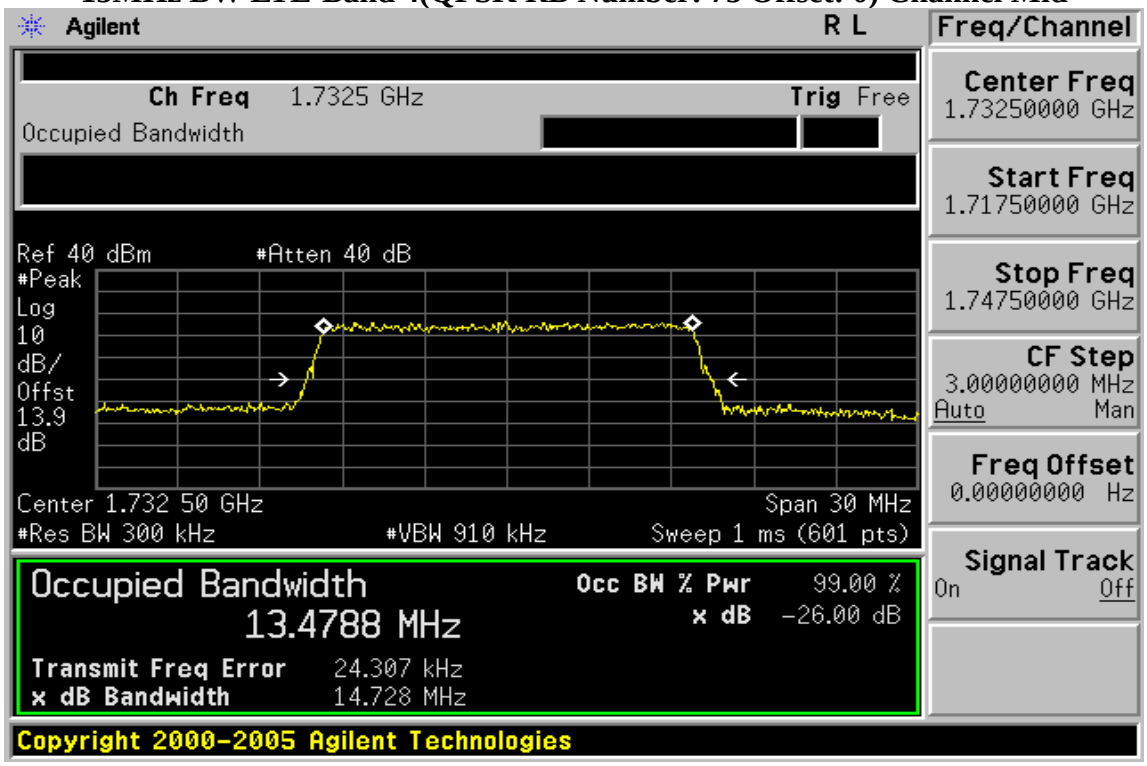
10MHz BW LTE-Band 4(16QAM RB Number: 50 Offset: 0) Channel High



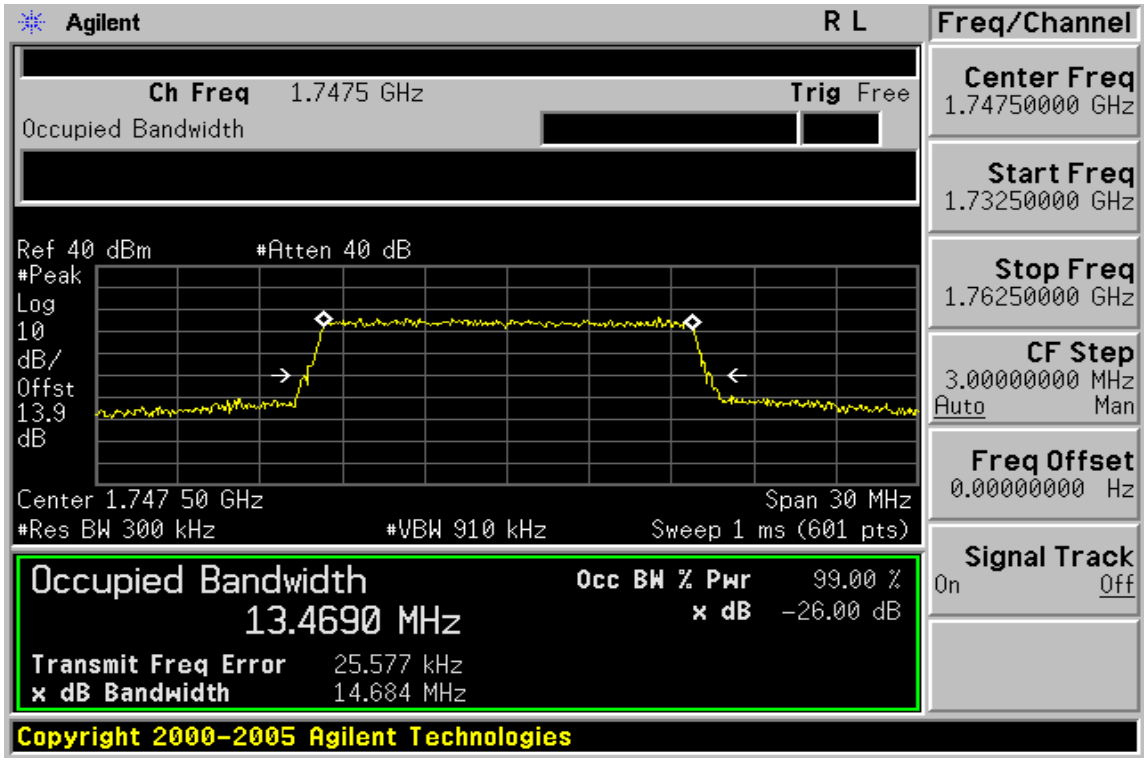
15MHz BW LTE-Band 4(QPSK RB Number: 75 Offset: 0) Channel Low



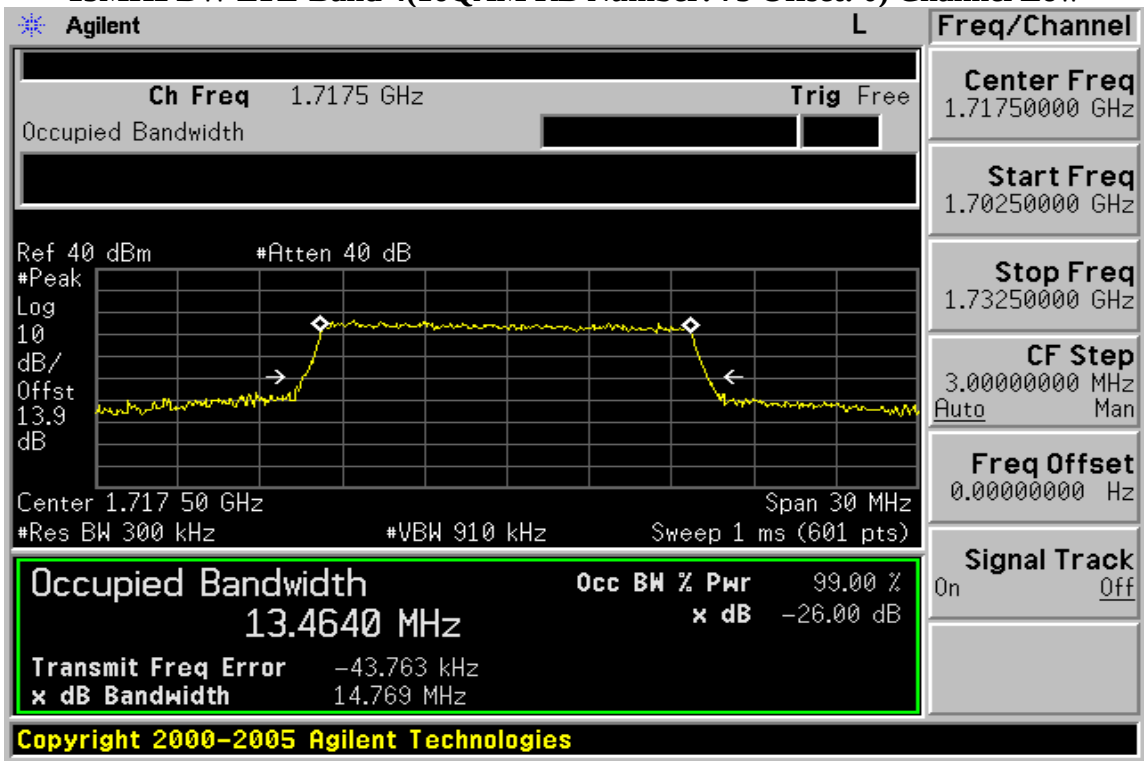
15MHz BW LTE-Band 4(QPSK RB Number: 75 Offset: 0) Channel Mid



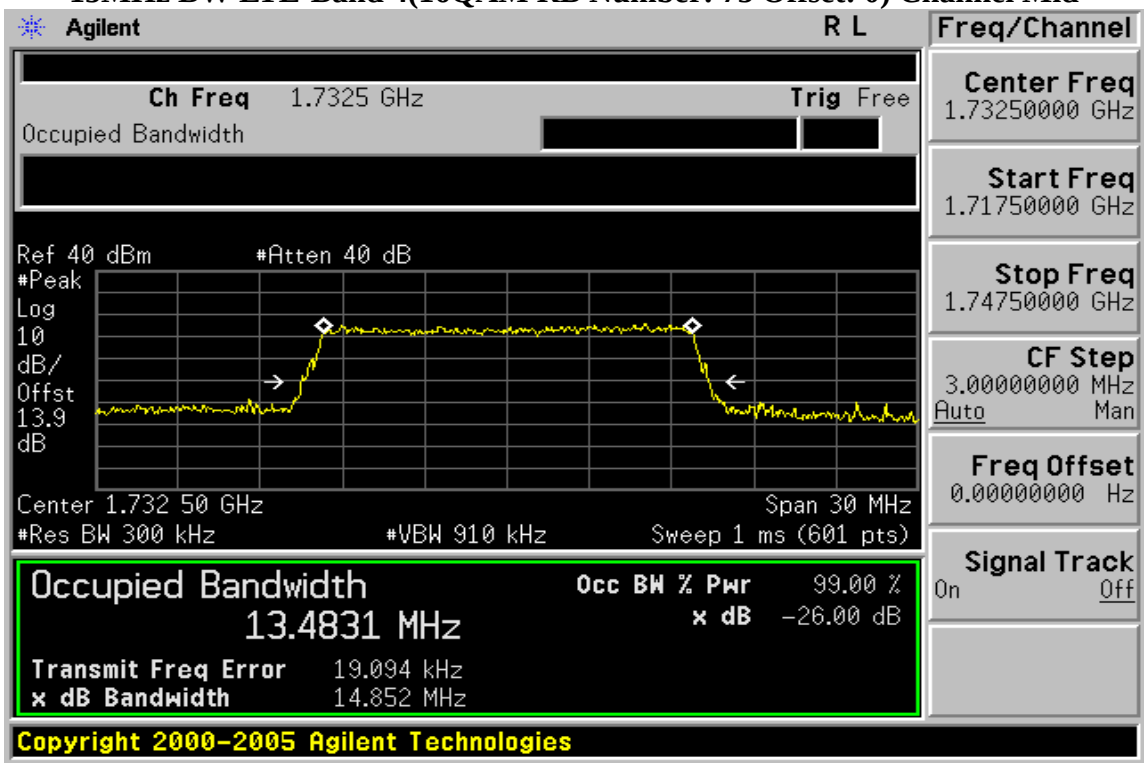
15MHz BW LTE-Band 4(QPSK RB Number: 75 Offset: 0) Channel High



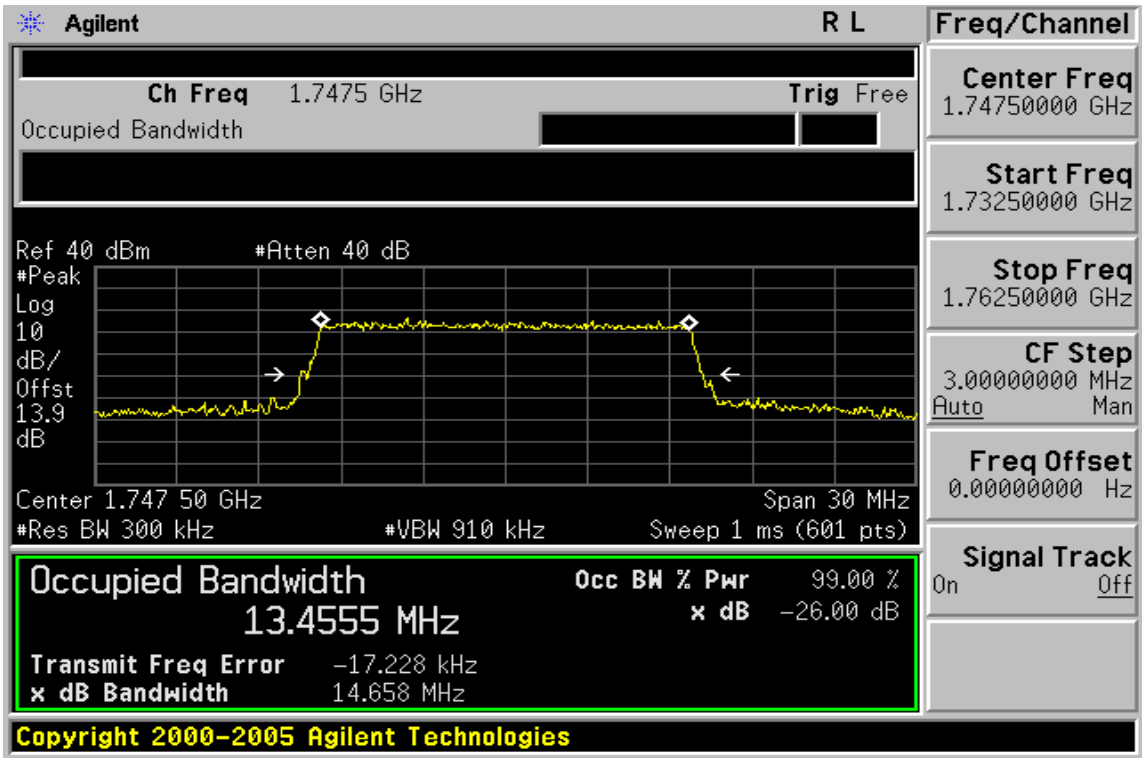
15MHz BW LTE-Band 4(16QAM RB Number: 75 Offset: 0) Channel Low



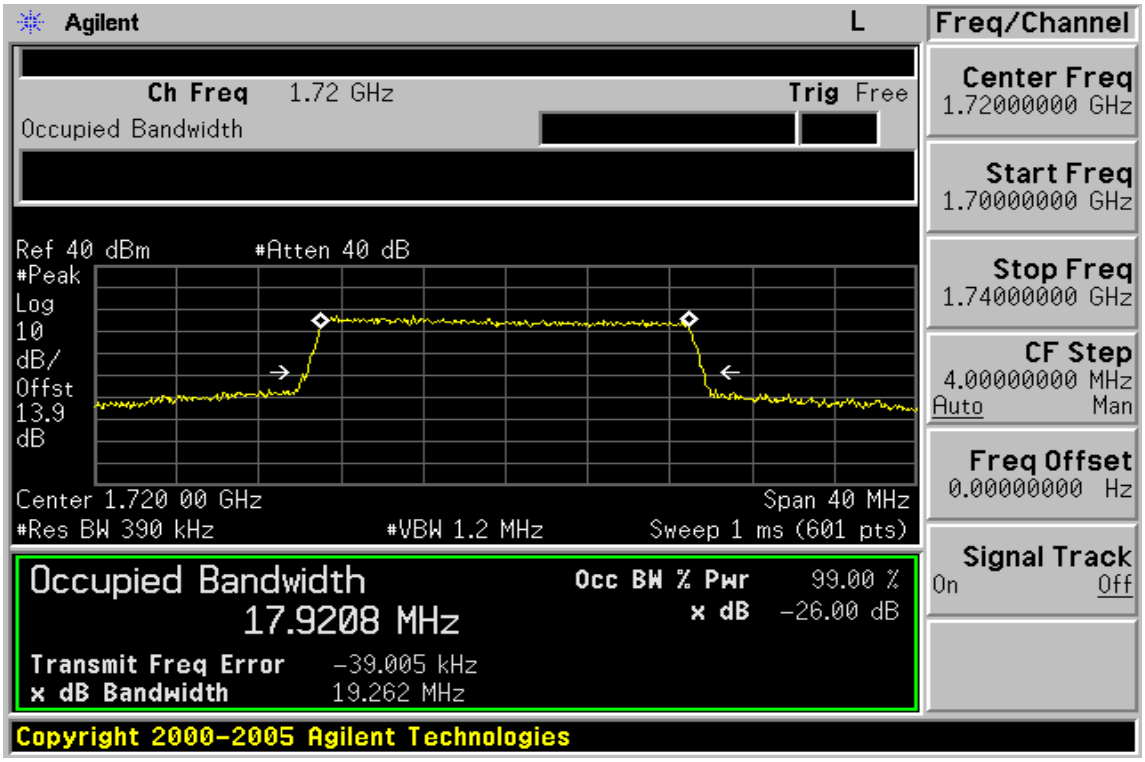
15MHz BW LTE-Band 4(16QAM RB Number: 75 Offset: 0) Channel Mid



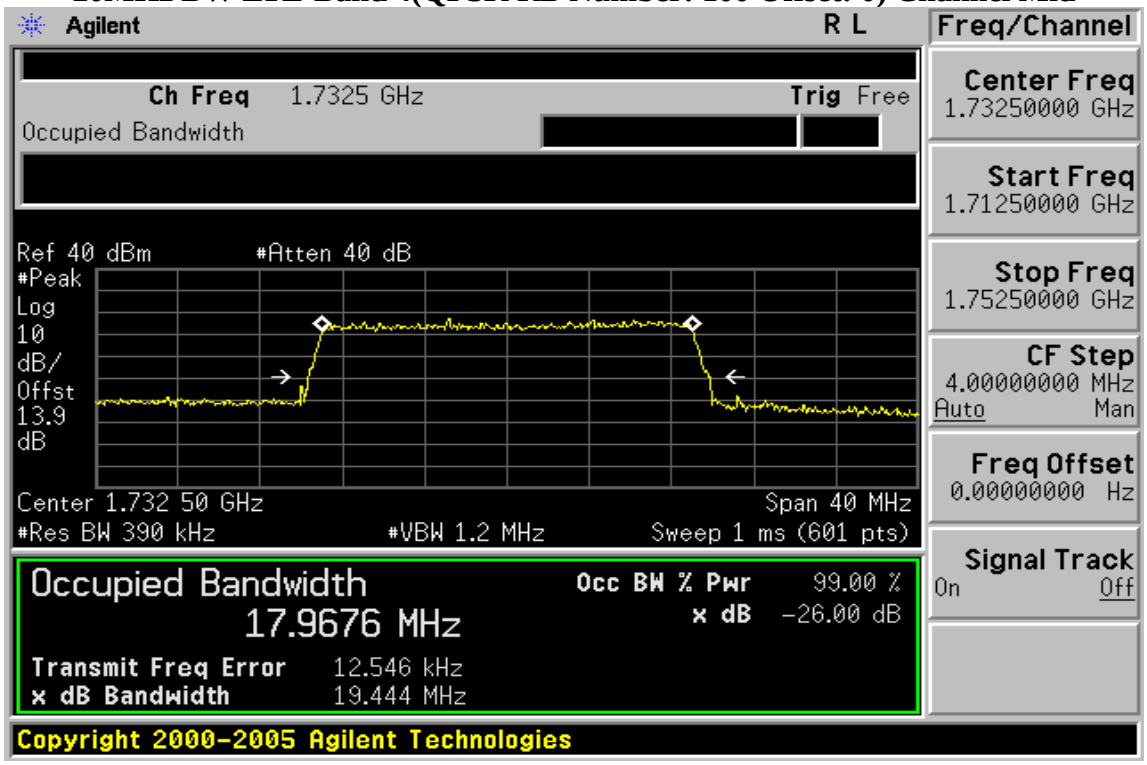
15MHz BW LTE-Band 4(16QAM RB Number: 75 Offset: 0) Channel High



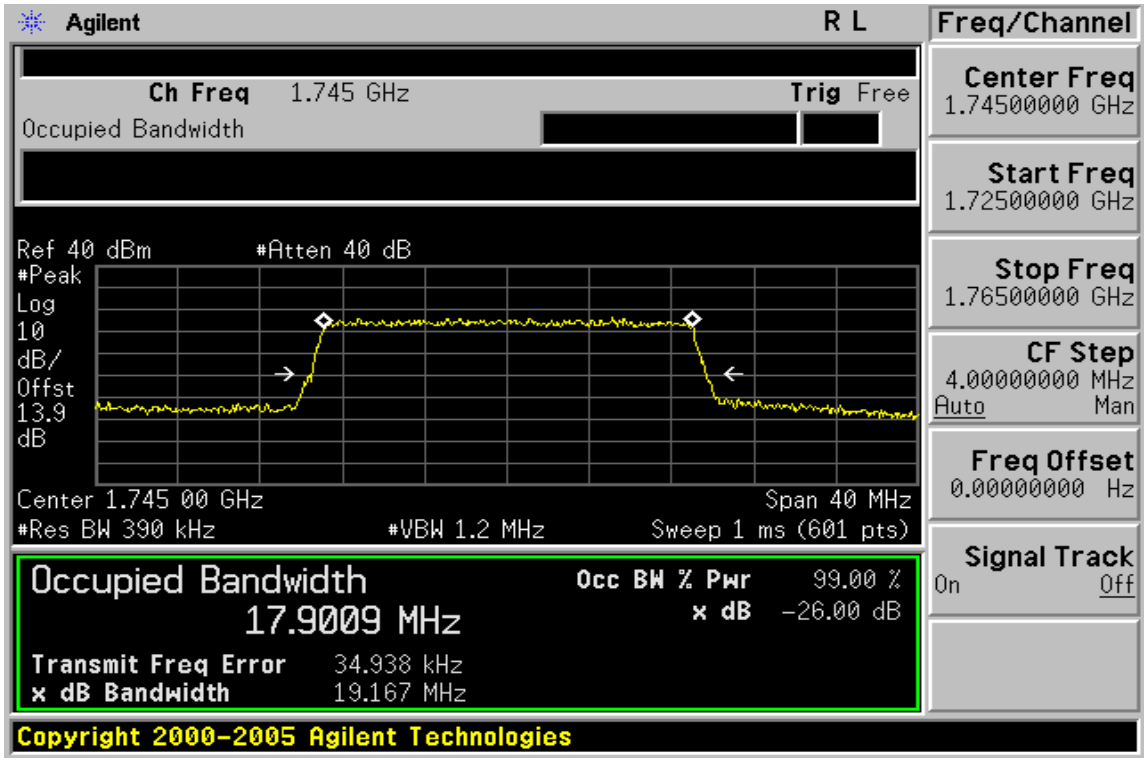
20MHz BW LTE-Band 4(QPSK RB Number: 100 Offset: 0) Channel Low



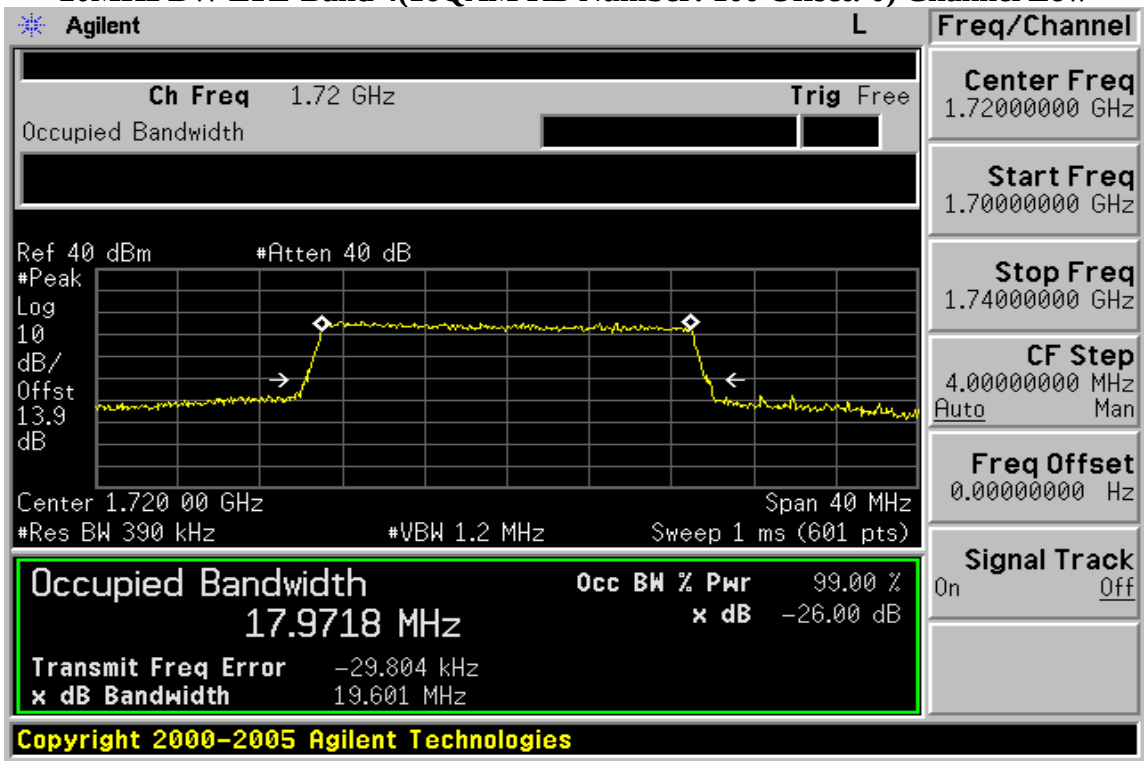
20MHz BW LTE-Band 4(QPSK RB Number: 100 Offset: 0) Channel Mid



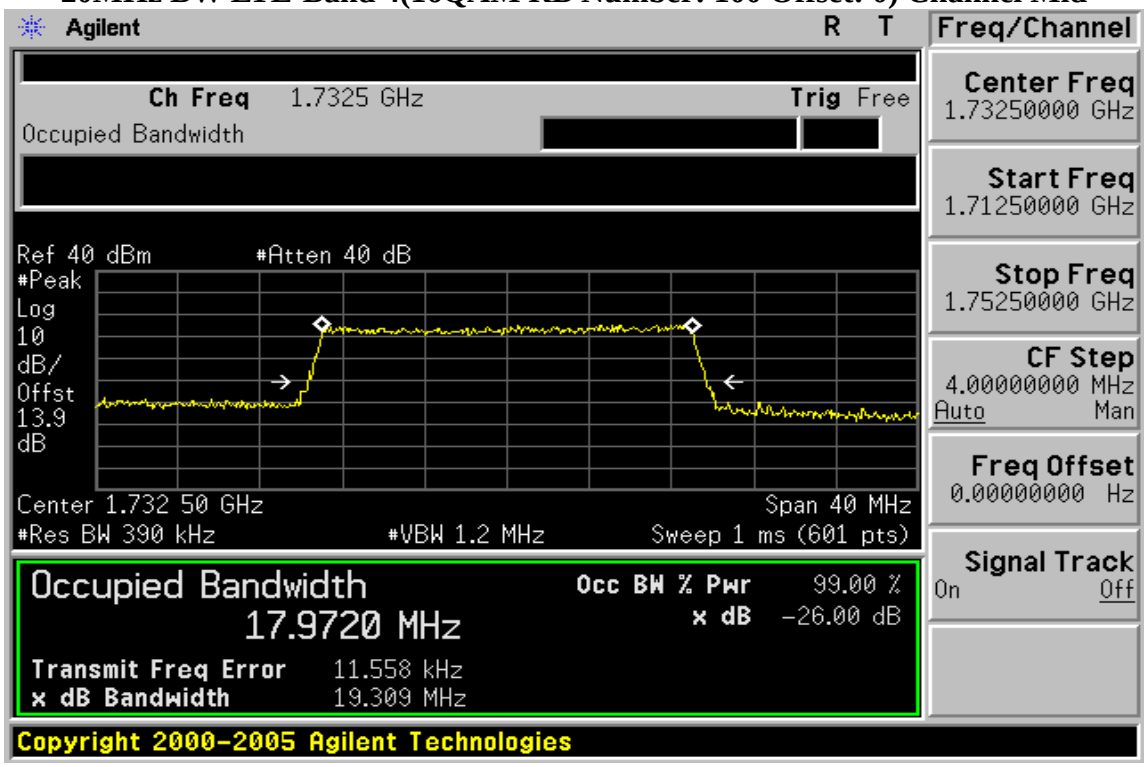
20MHz BW LTE-Band 4(QPSK RB Number: 100 Offset: 0) Channel High



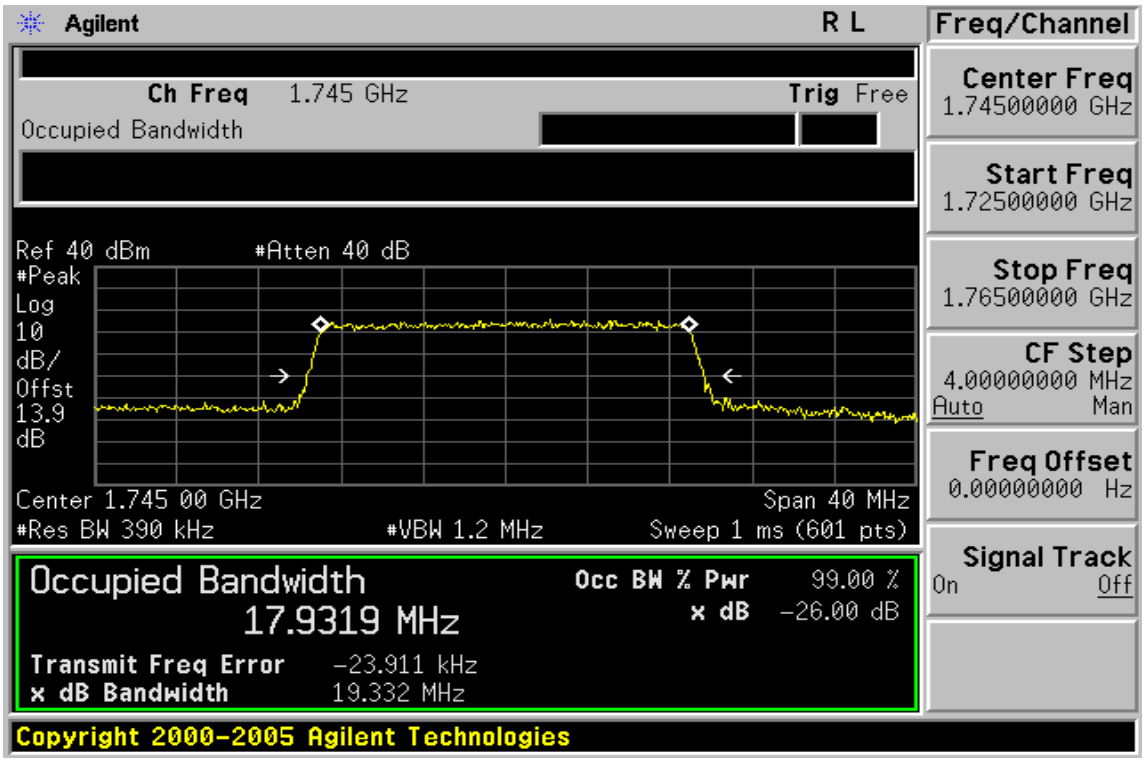
20MHz BW LTE-Band 4(16QAM RB Number: 100 Offset: 0) Channel Low



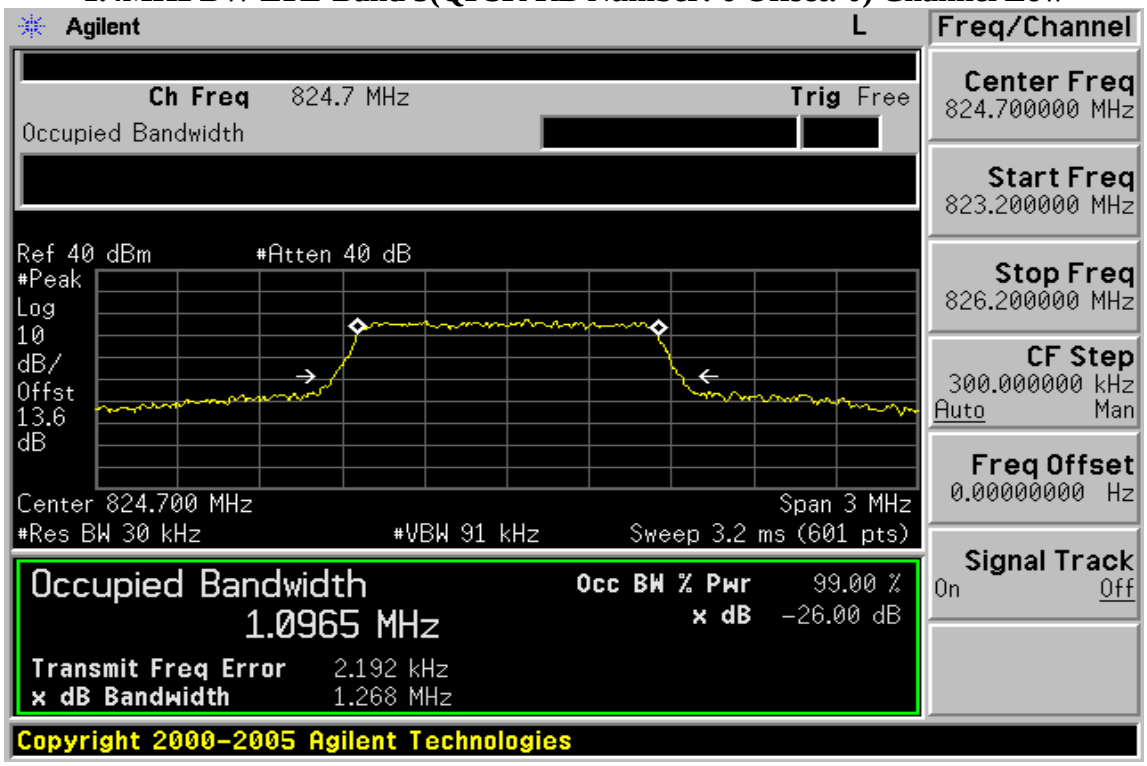
20MHz BW LTE-Band 4(16QAM RB Number: 100 Offset: 0) Channel Mid



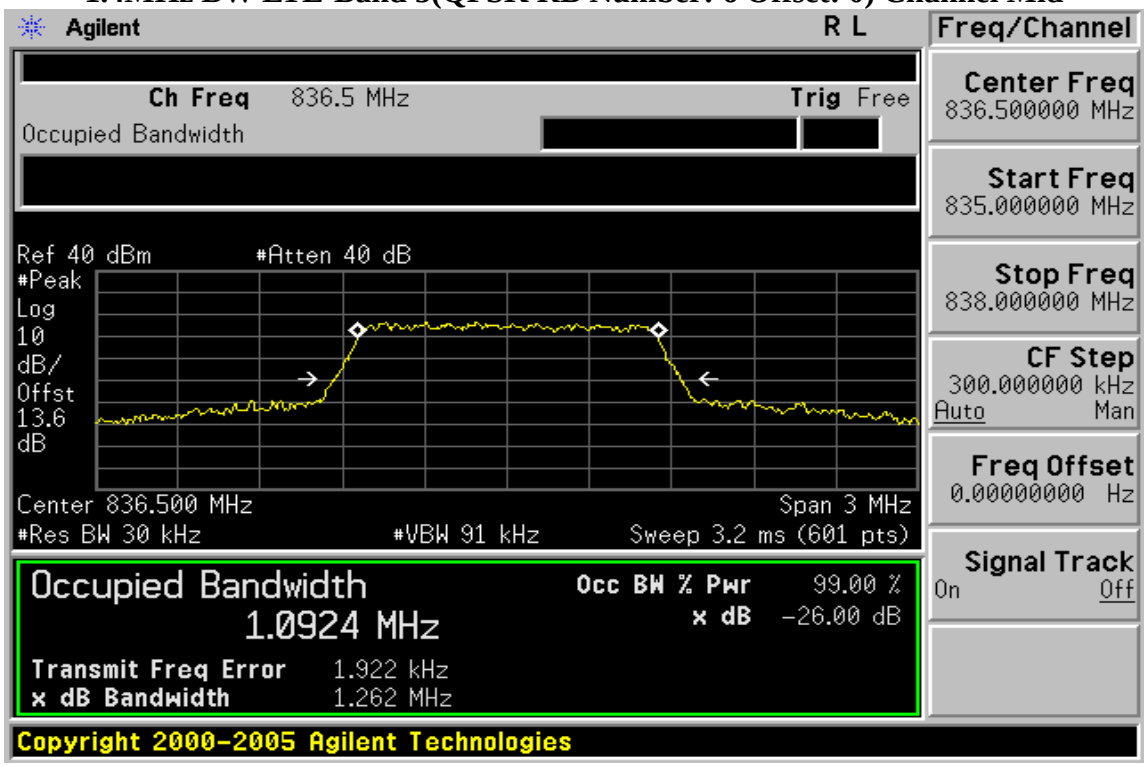
20MHz BW LTE-Band 4(16QAM RB Number: 100 Offset: 0) Channel High



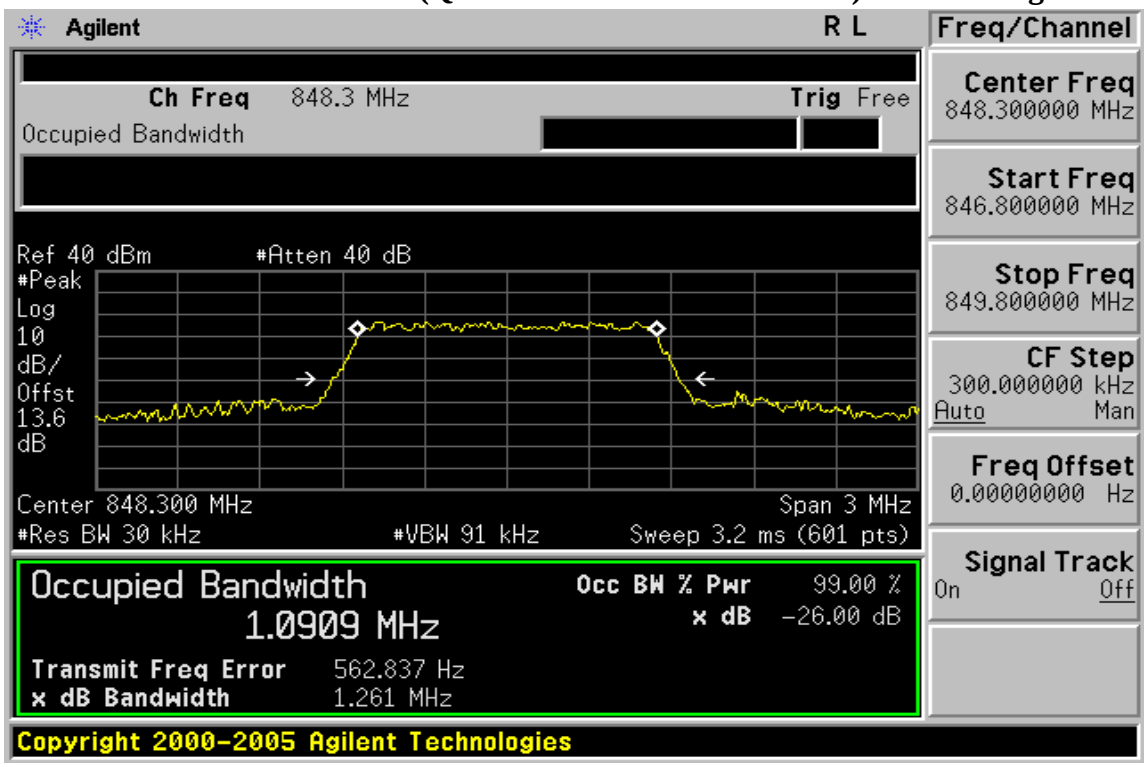
1.4MHz BW LTE-Band 5(QPSK RB Number: 6 Offset: 0) Channel Low



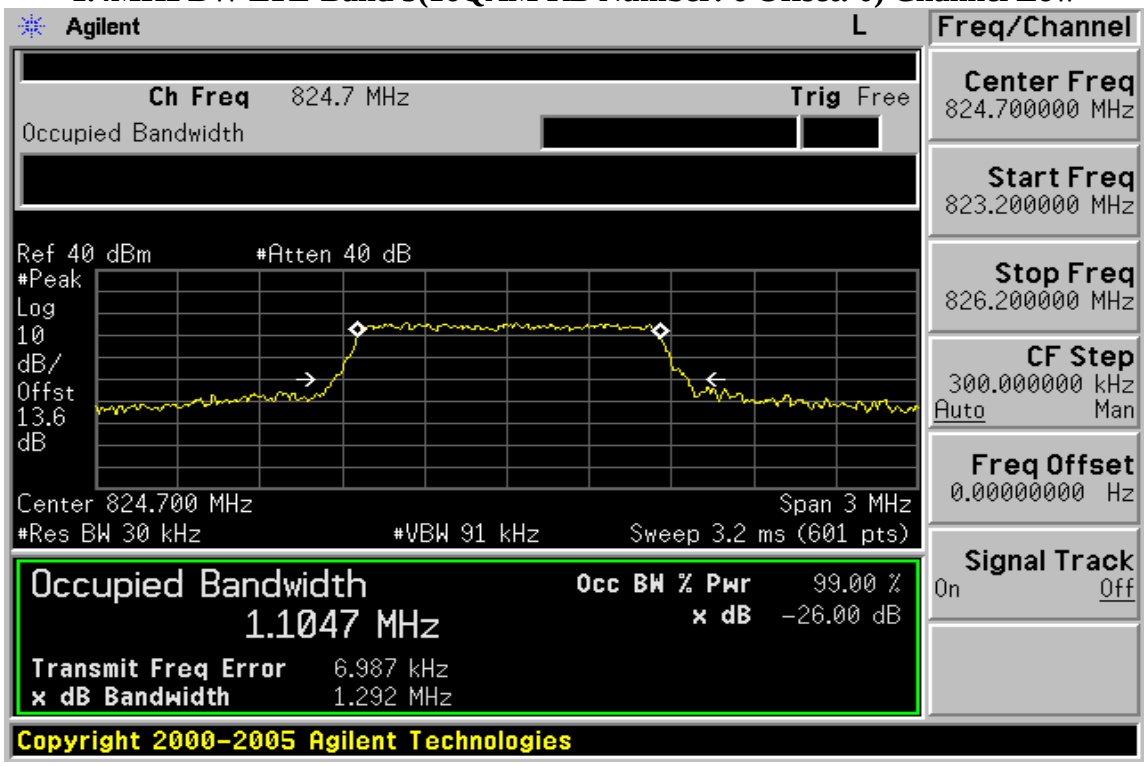
1.4MHz BW LTE-Band 5(QPSK RB Number: 6 Offset: 0) Channel Mid



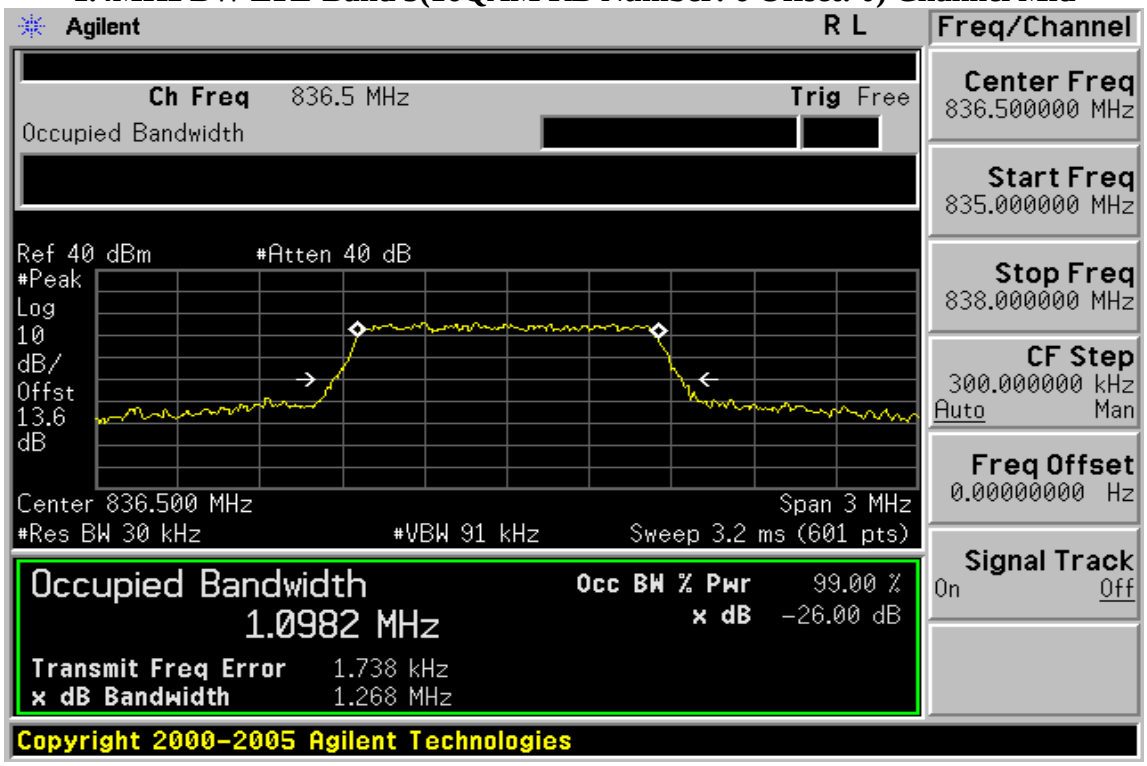
1.4MHz BW LTE-Band 5(QPSK RB Number: 6 Offset: 0) Channel High



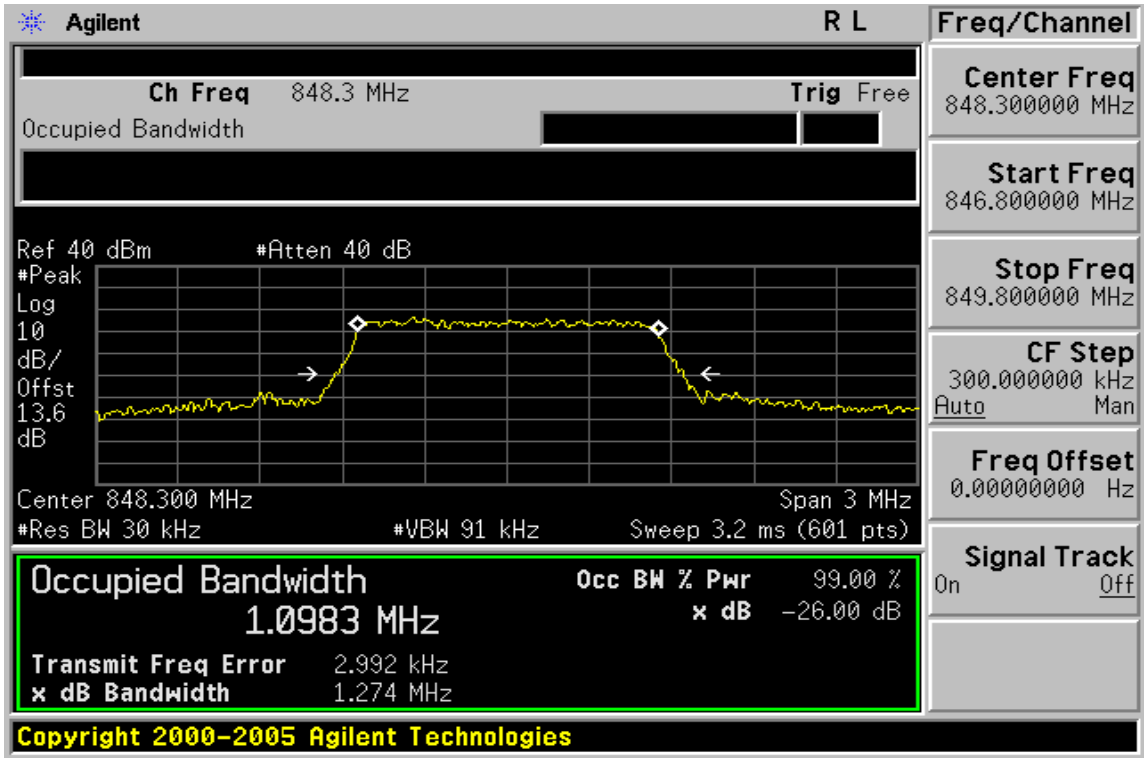
1.4MHz BW LTE-Band 5(16QAM RB Number: 6 Offset: 0) Channel Low



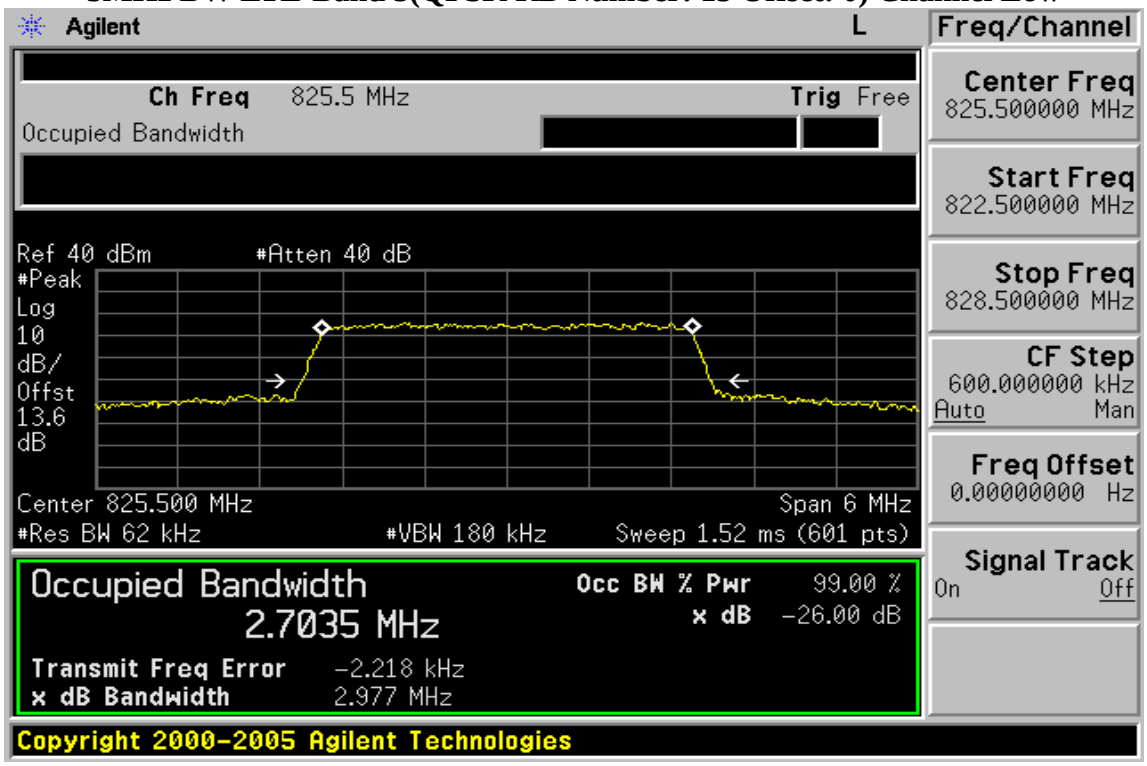
1.4MHz BW LTE-Band 5(16QAM RB Number: 6 Offset: 0) Channel Mid



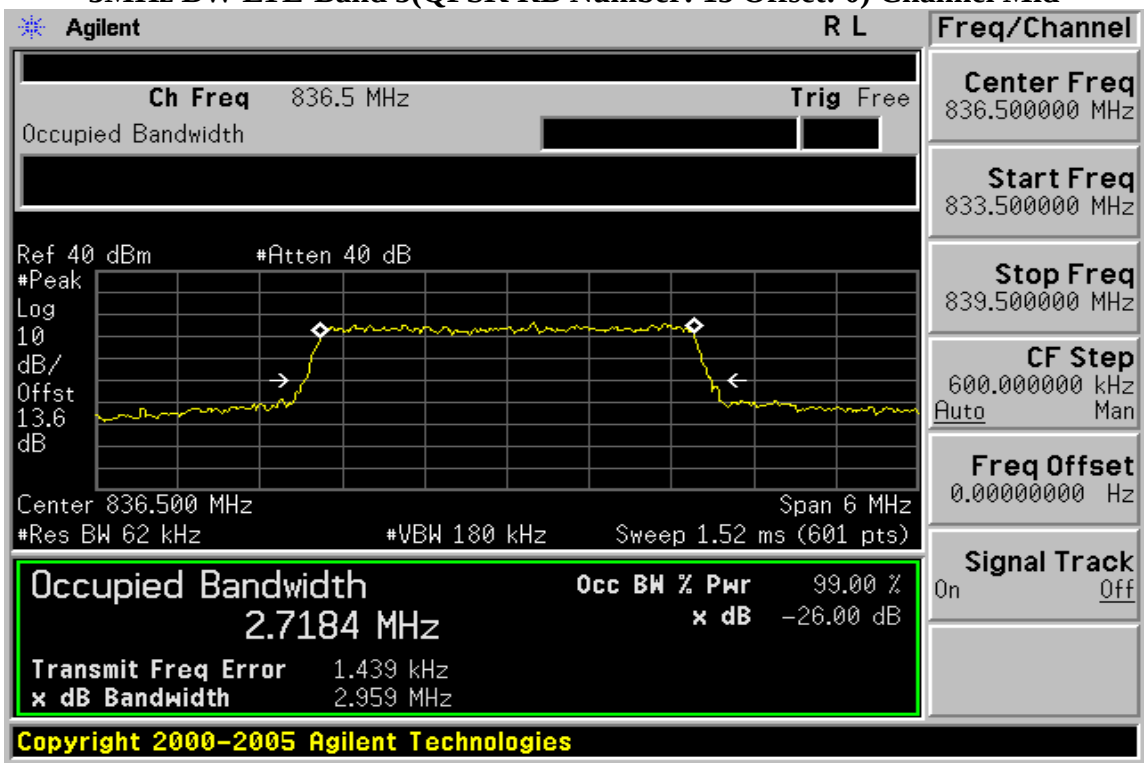
1.4MHz BW LTE-Band 5(16QAM RB Number: 6 Offset: 0) Channel High



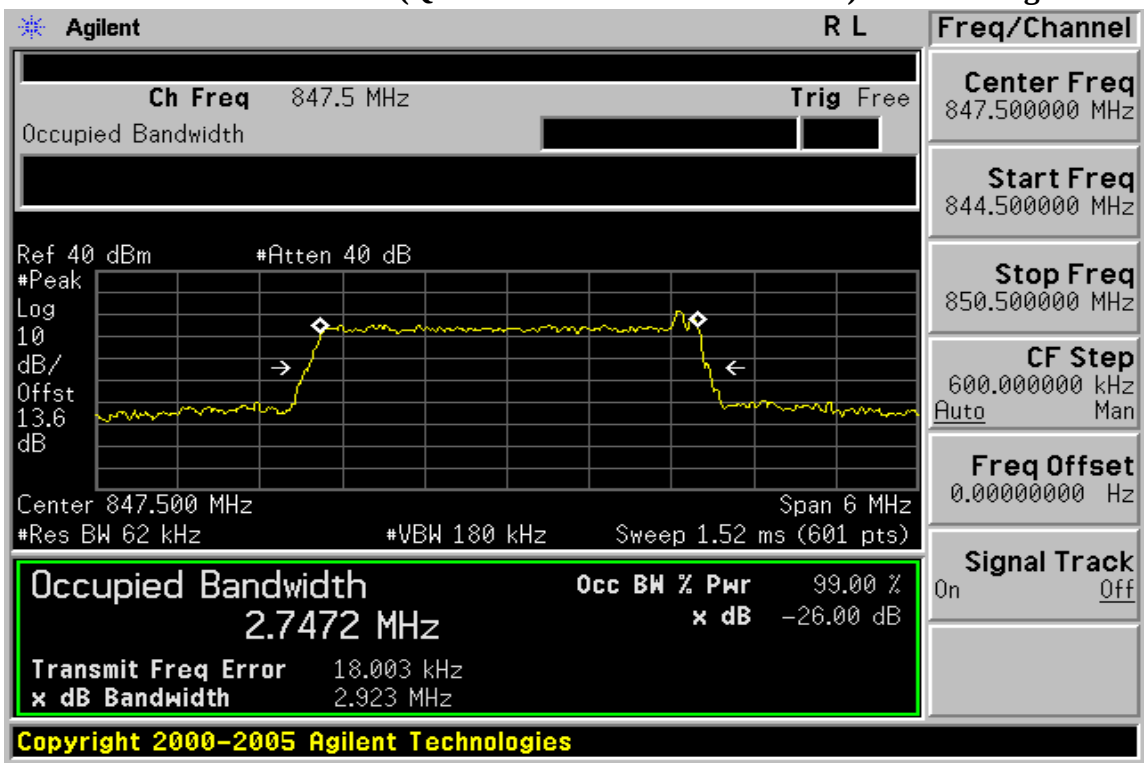
3MHz BW LTE-Band 5(QPSK RB Number: 15 Offset: 0) Channel Low



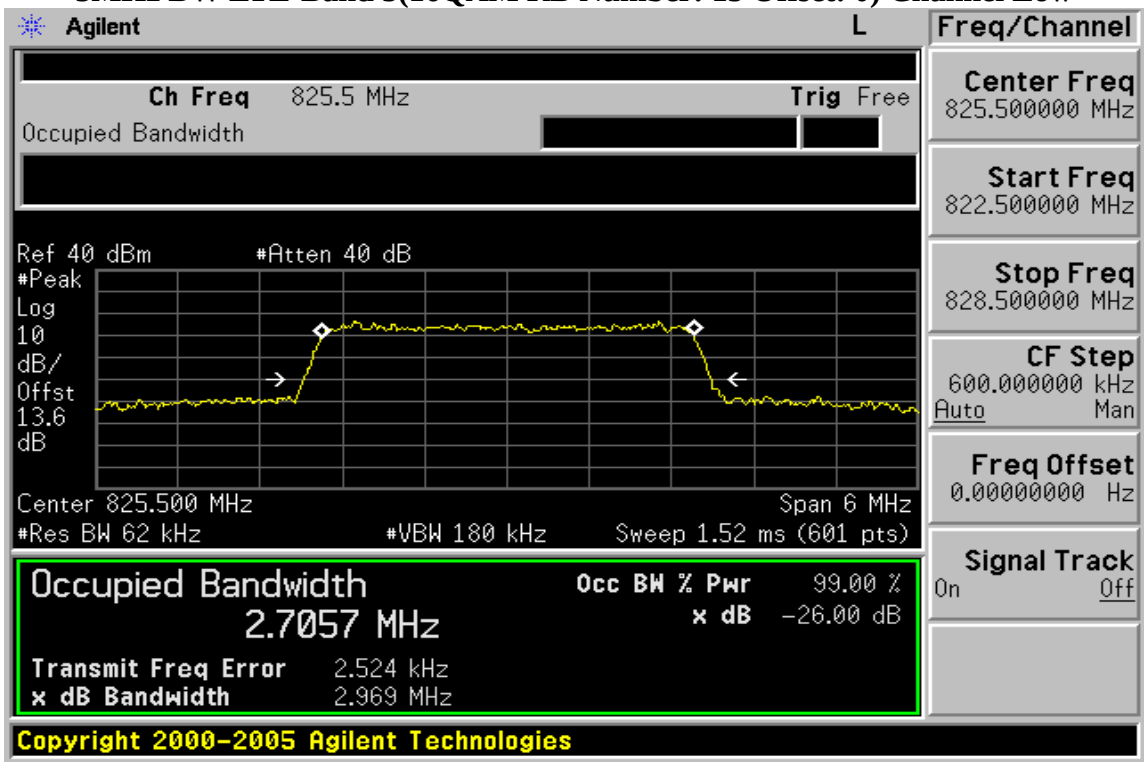
3MHz BW LTE-Band 5(QPSK RB Number: 15 Offset: 0) Channel Mid



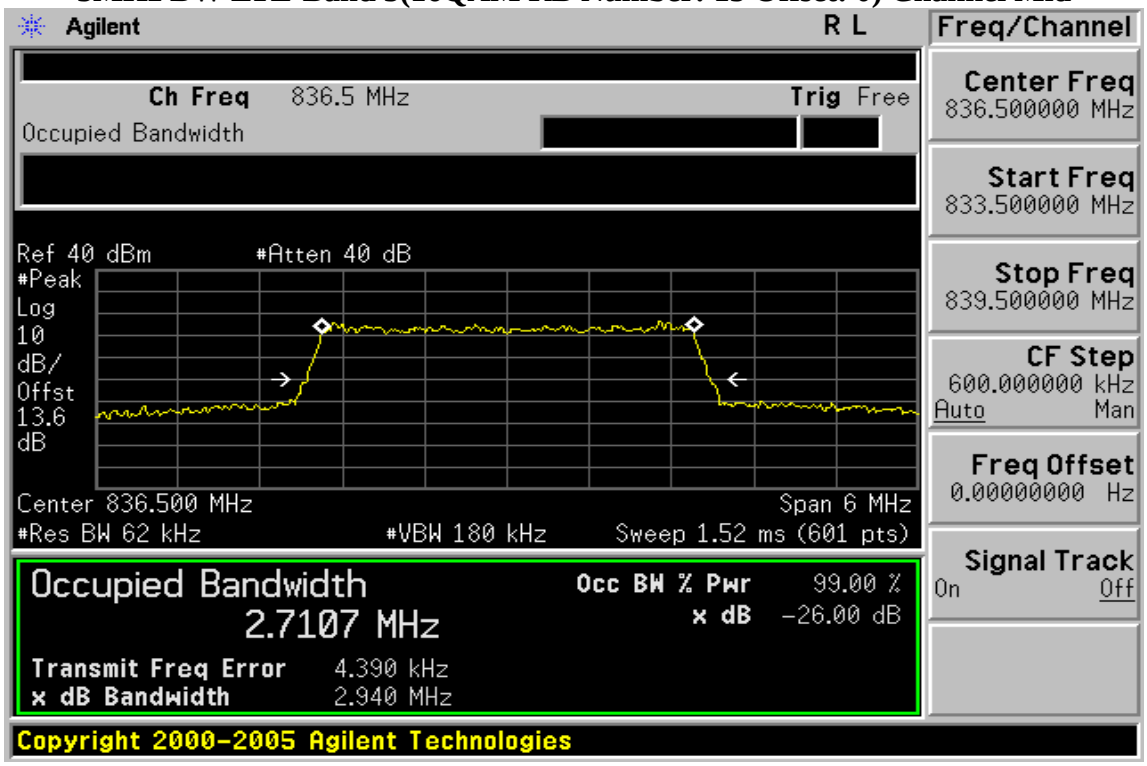
3MHz BW LTE-Band 5(QPSK RB Number: 15 Offset: 0) Channel High



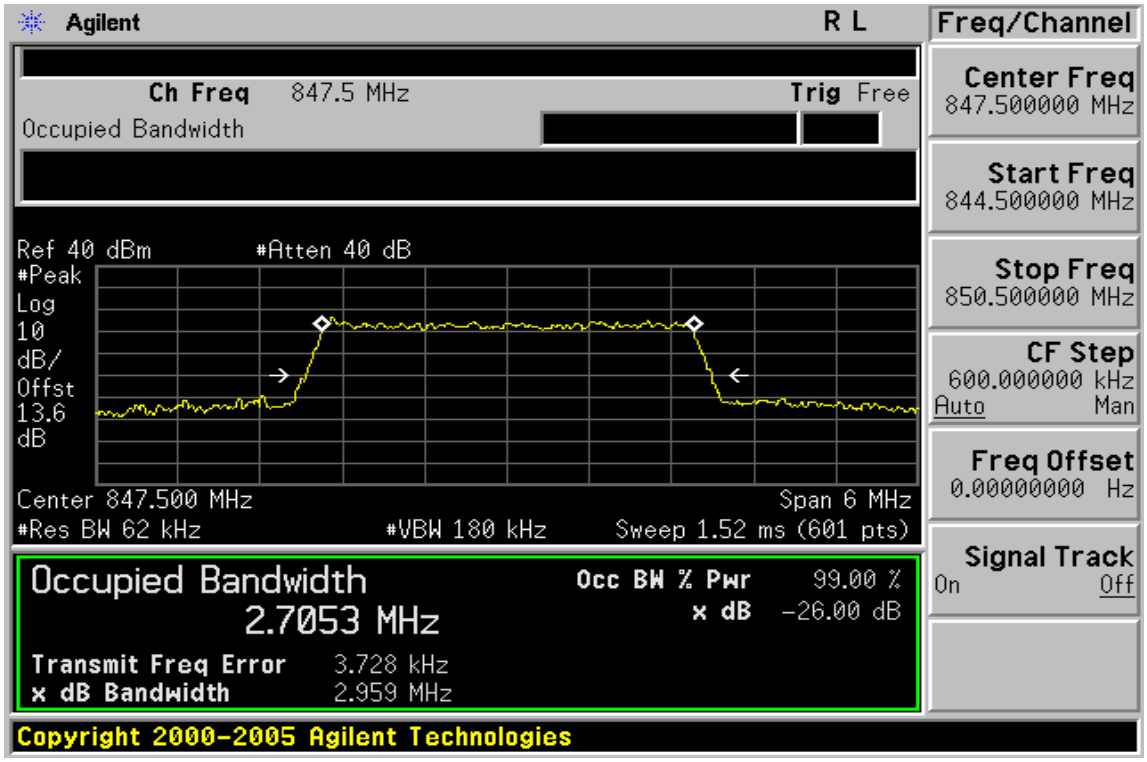
3MHz BW LTE-Band 5(16QAM RB Number: 15 Offset: 0) Channel Low



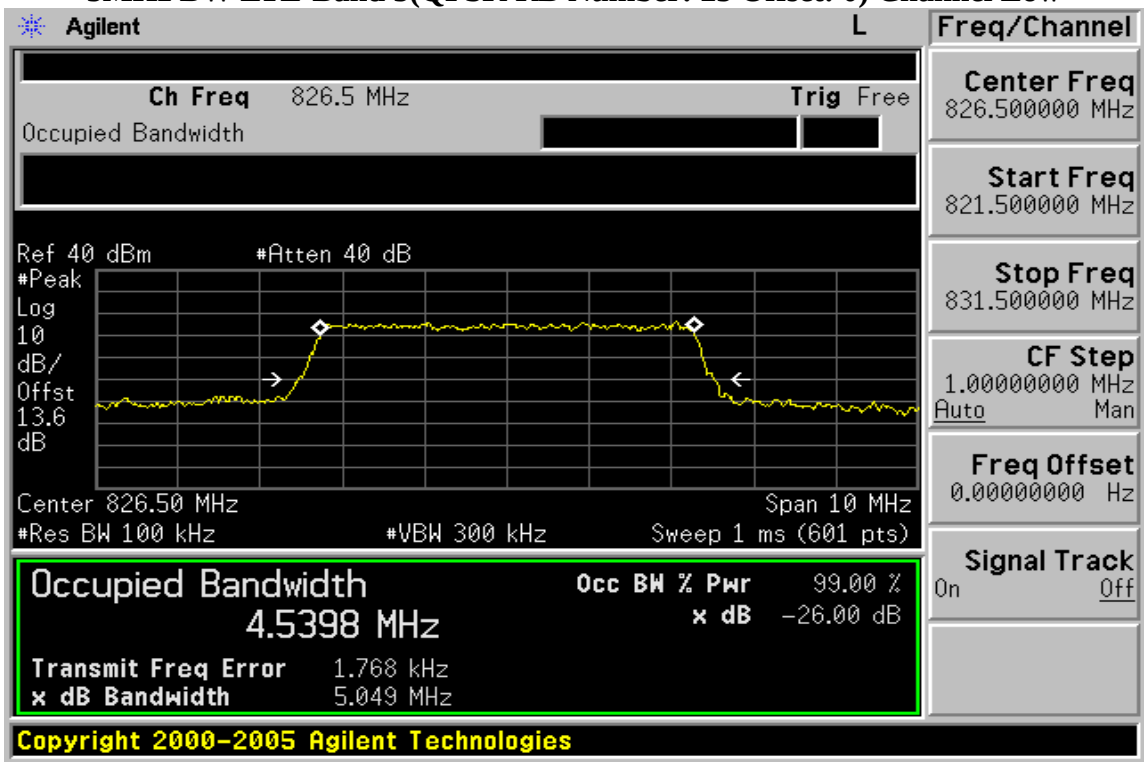
3MHz BW LTE-Band 5(16QAM RB Number: 15 Offset: 0) Channel Mid



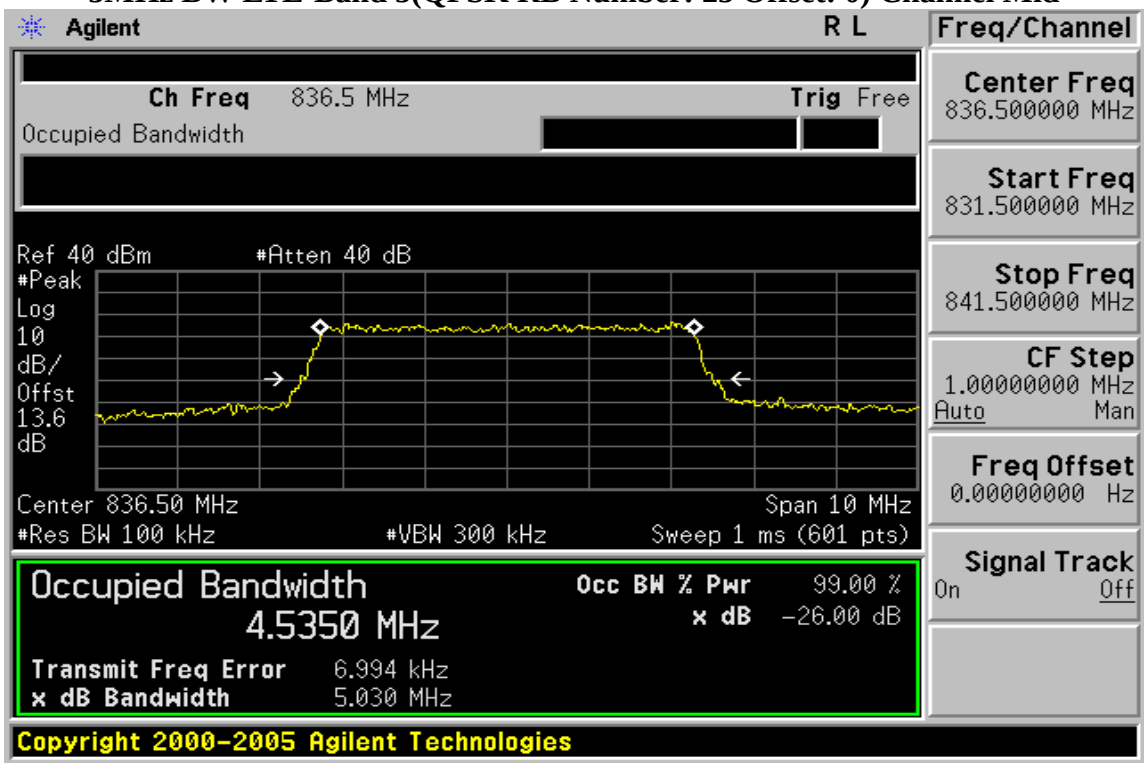
3MHz BW LTE-Band 5(16QAM RB Number: 15 Offset: 0) Channel High



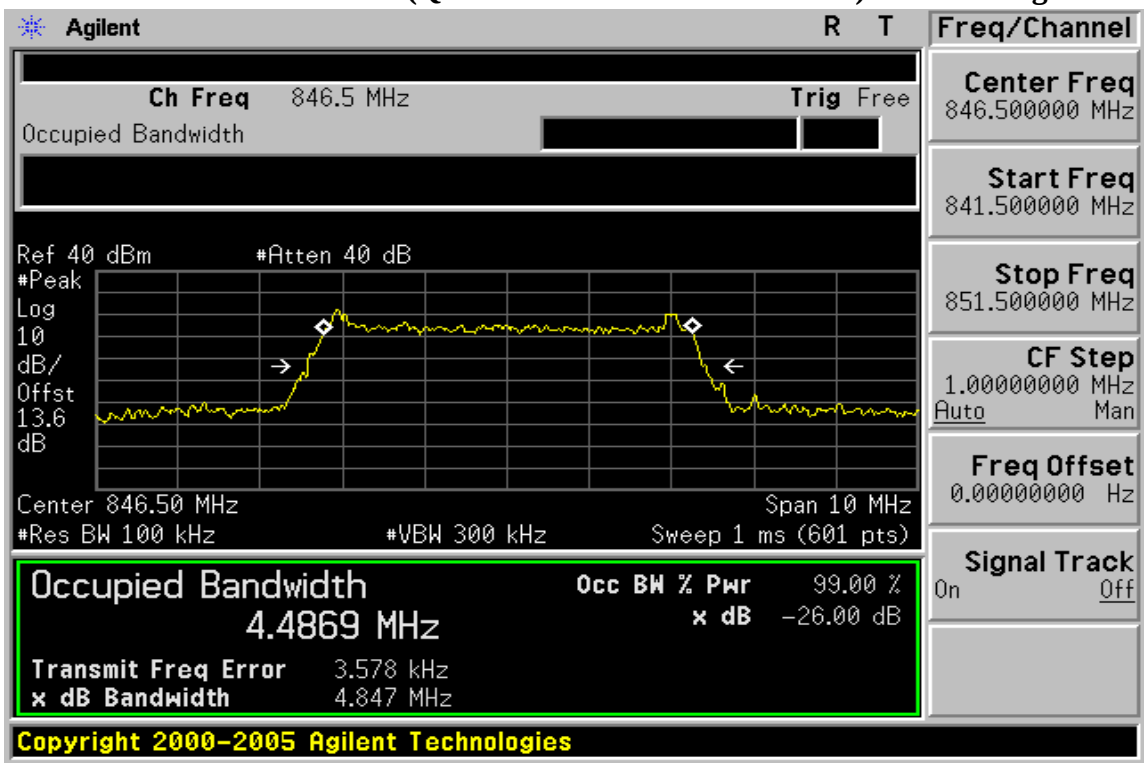
5MHz BW LTE-Band 5(QPSK RB Number: 25 Offset: 0) Channel Low



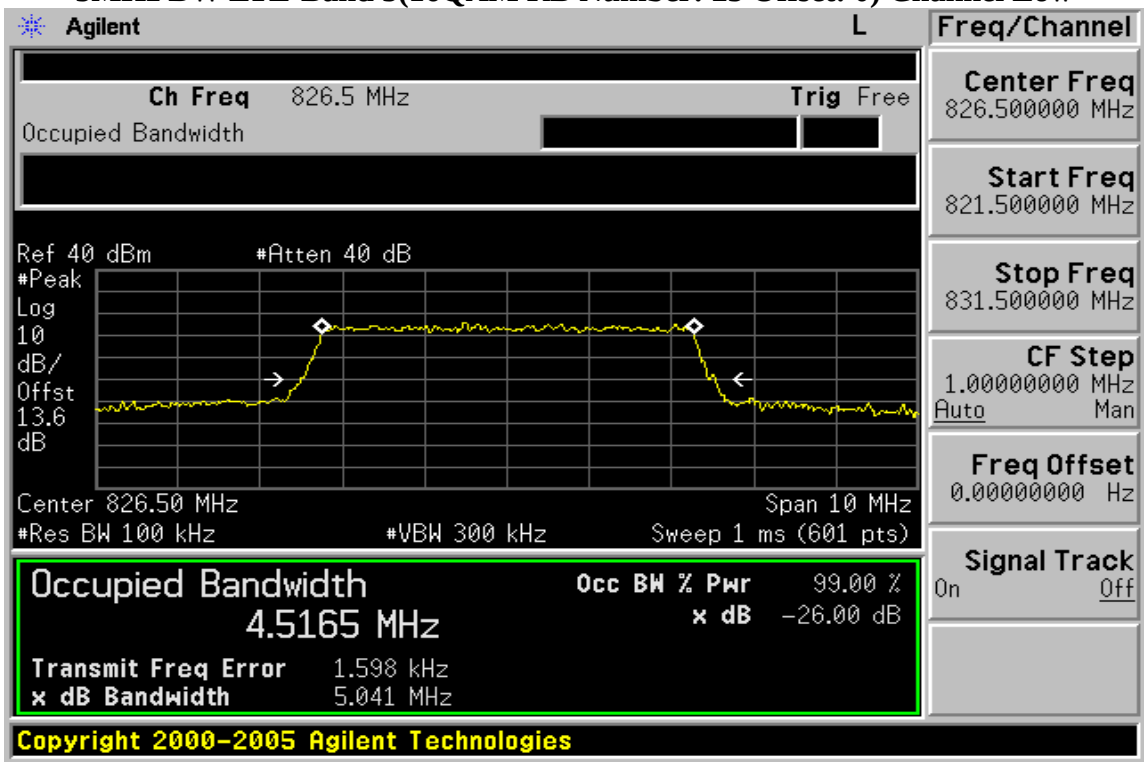
5MHz BW LTE-Band 5(QPSK RB Number: 25 Offset: 0) Channel Mid



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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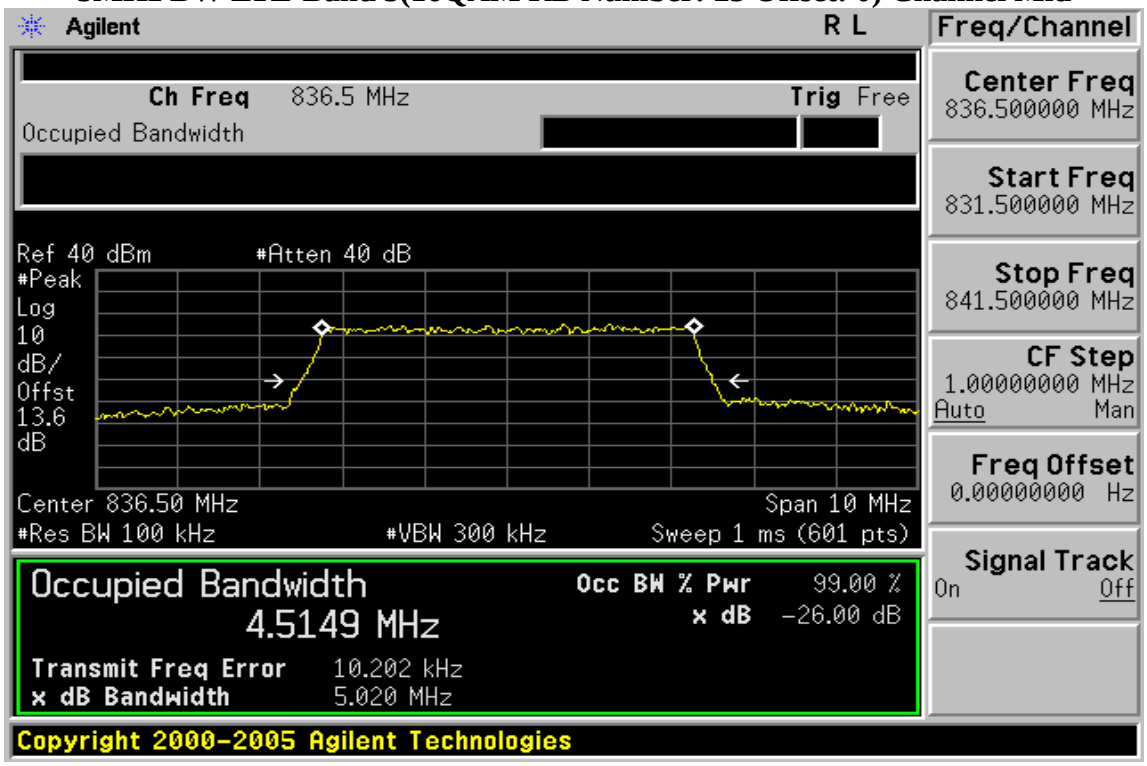
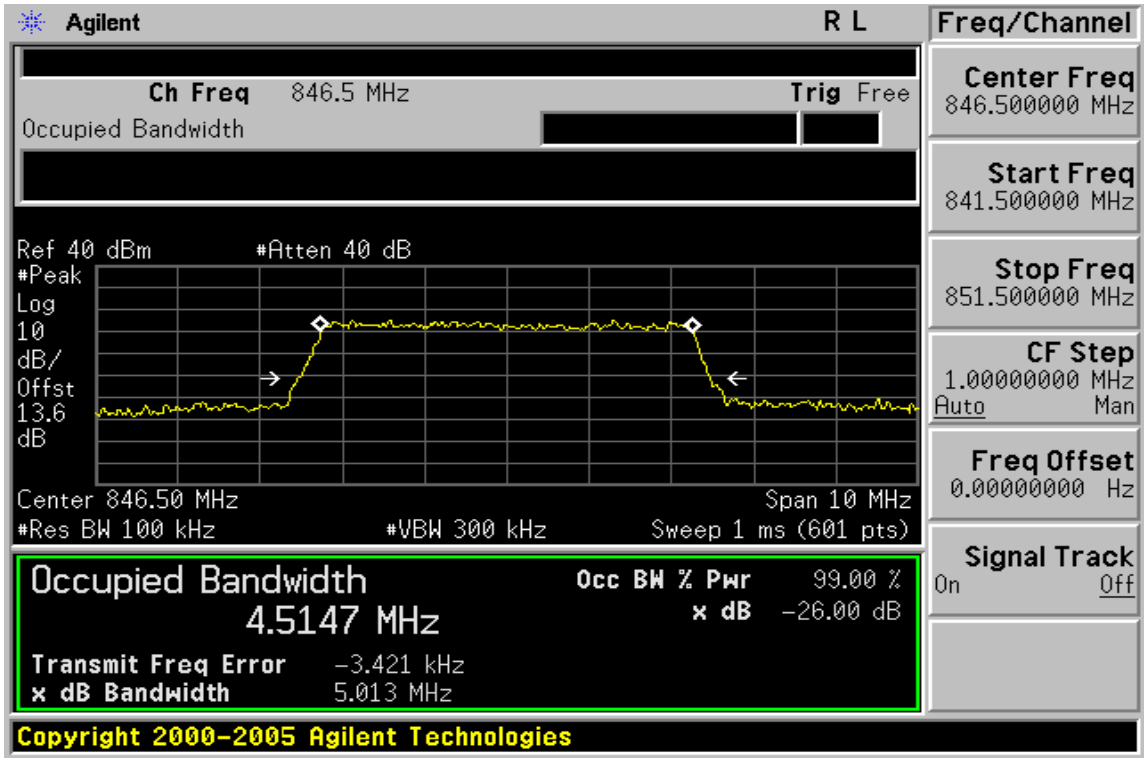
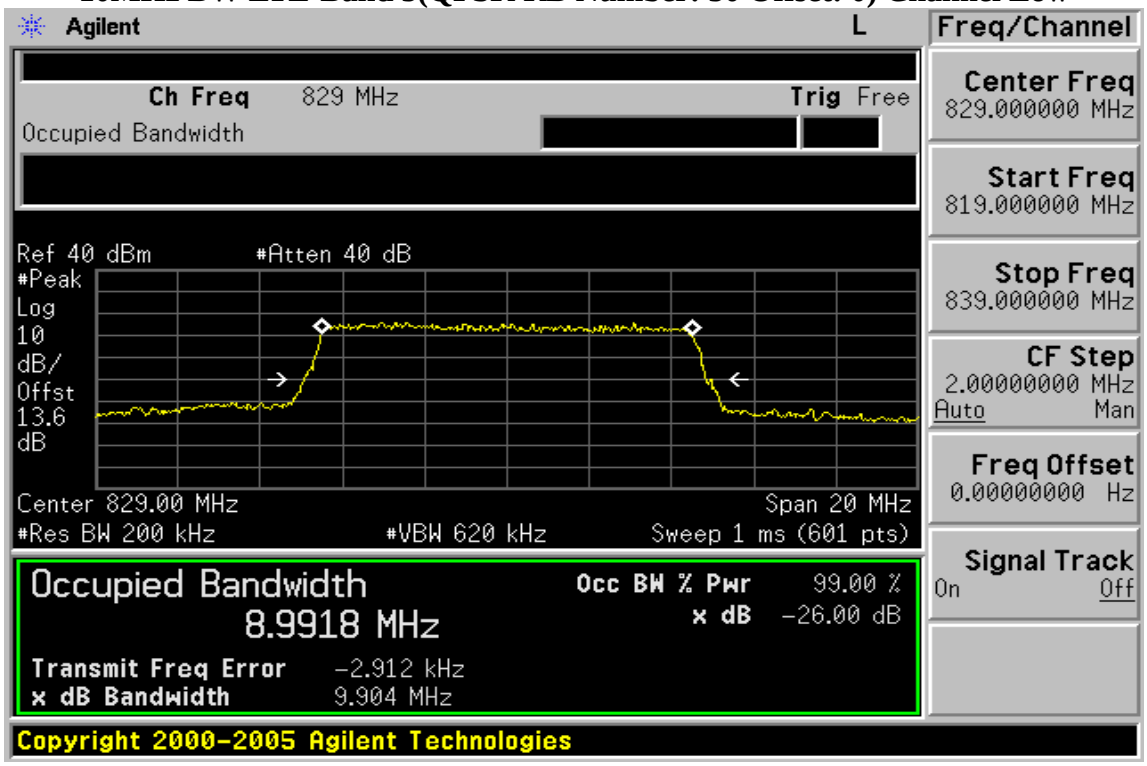


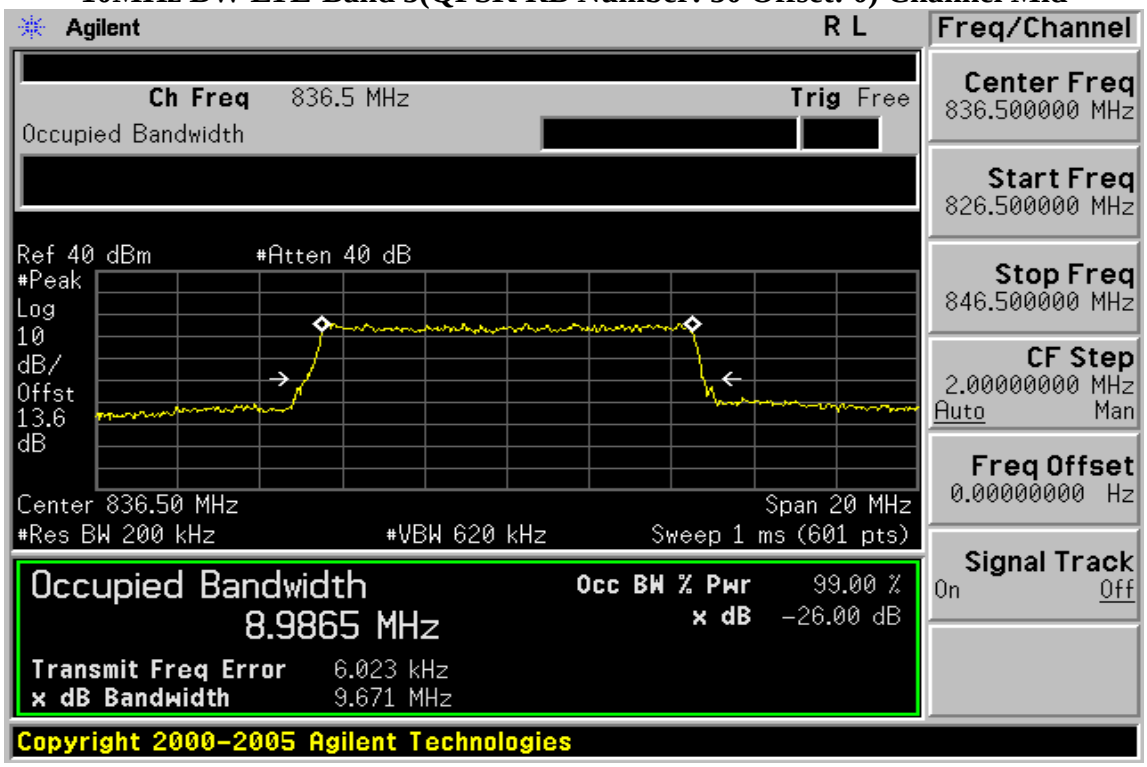
5MHz BW LTE-Band 5(16QAM RB Number: 25 Offset: 0) Channel High



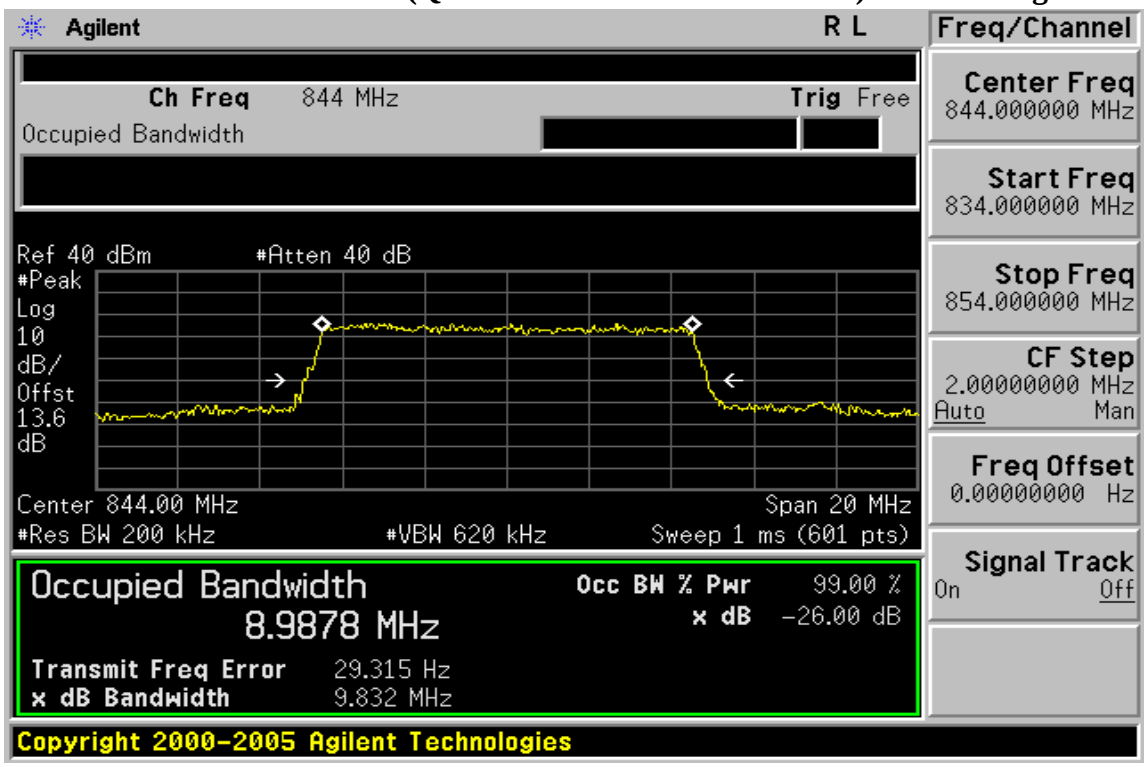
10MHz BW LTE-Band 5(QPSK RB Number: 50 Offset: 0) Channel Low



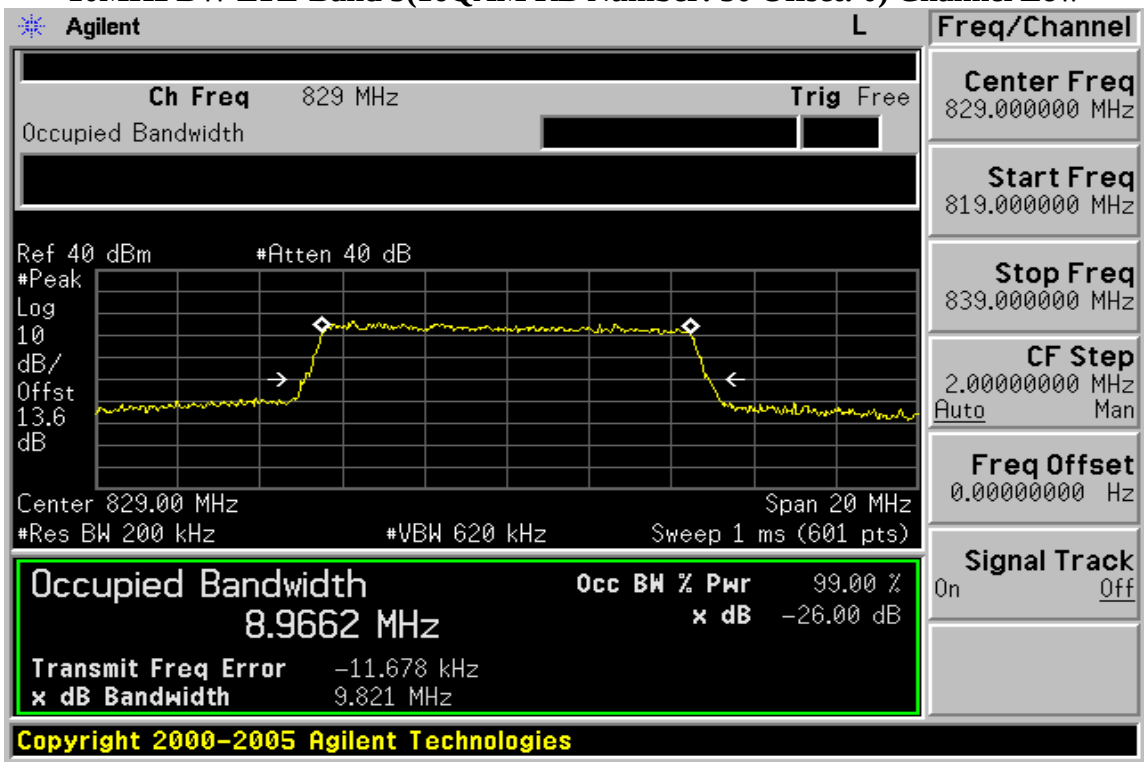
10MHz BW LTE-Band 5(QPSK RB Number: 50 Offset: 0) Channel Mid



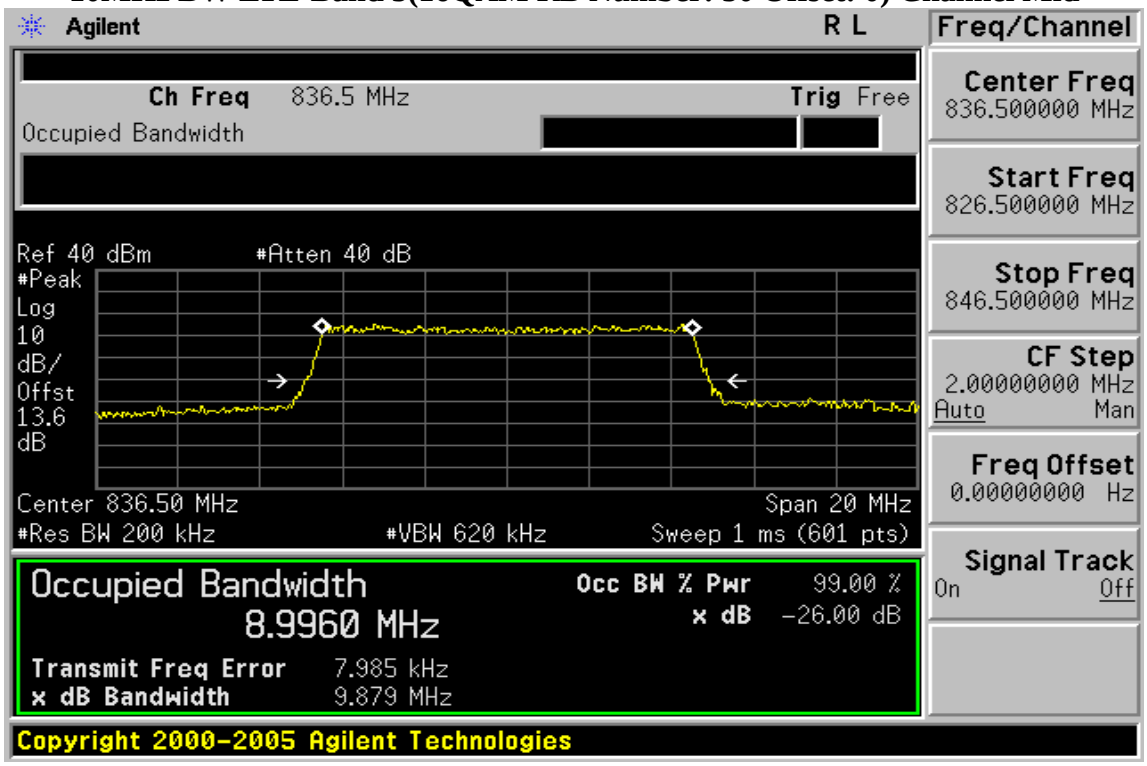
10MHz BW LTE-Band 5(QPSK RB Number: 50 Offset: 0) Channel High



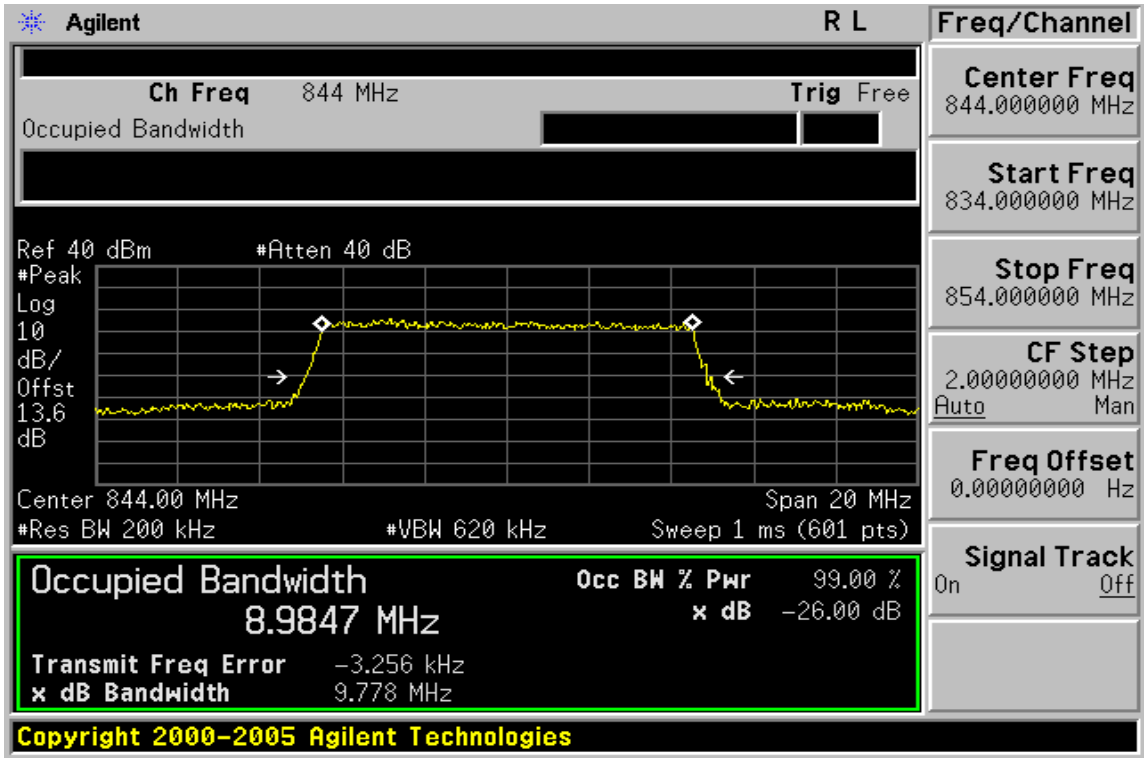
10MHz BW LTE-Band 5(16QAM RB Number: 50 Offset: 0) Channel Low



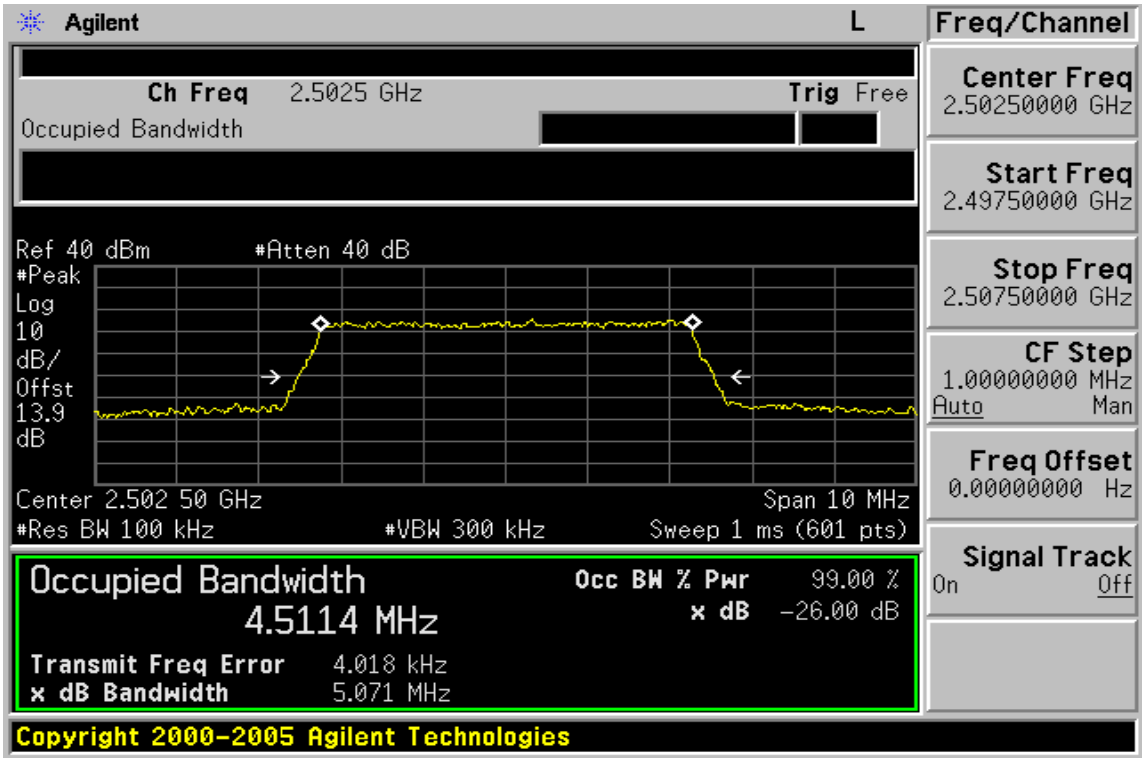
10MHz BW LTE-Band 5(16QAM RB Number: 50 Offset: 0) Channel Mid



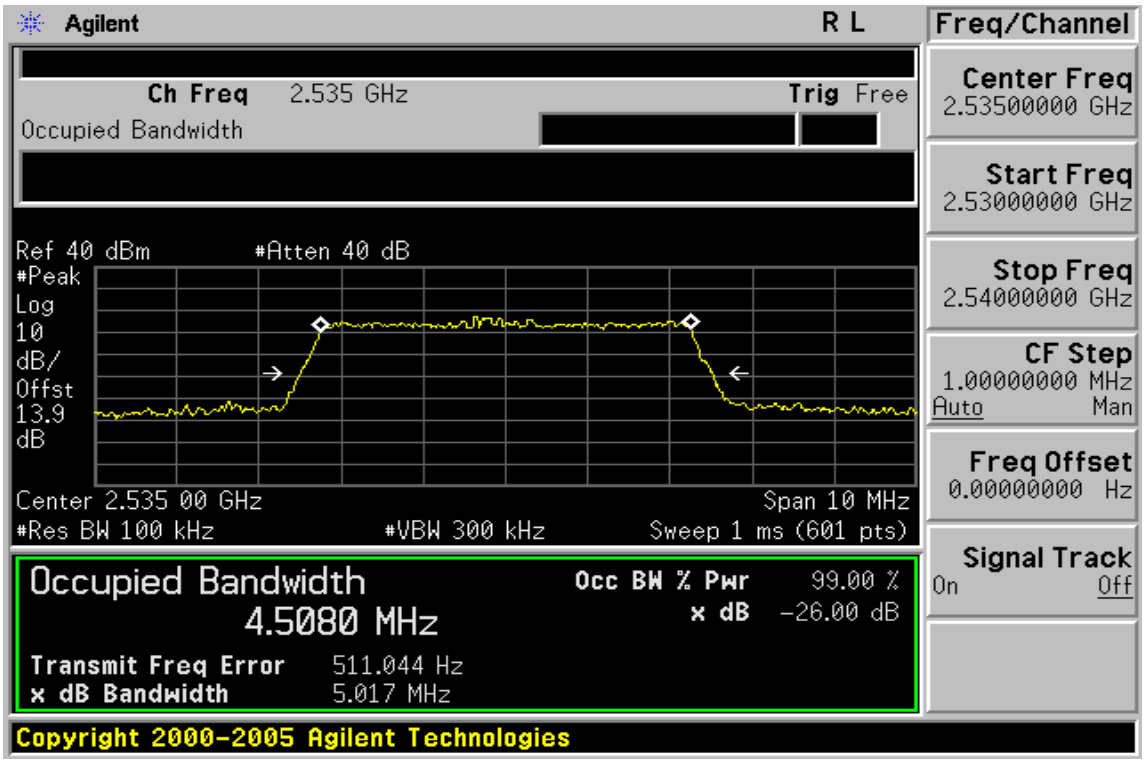
10MHz BW LTE-Band 5(16QAM RB Number: 50 Offset: 0) Channel High



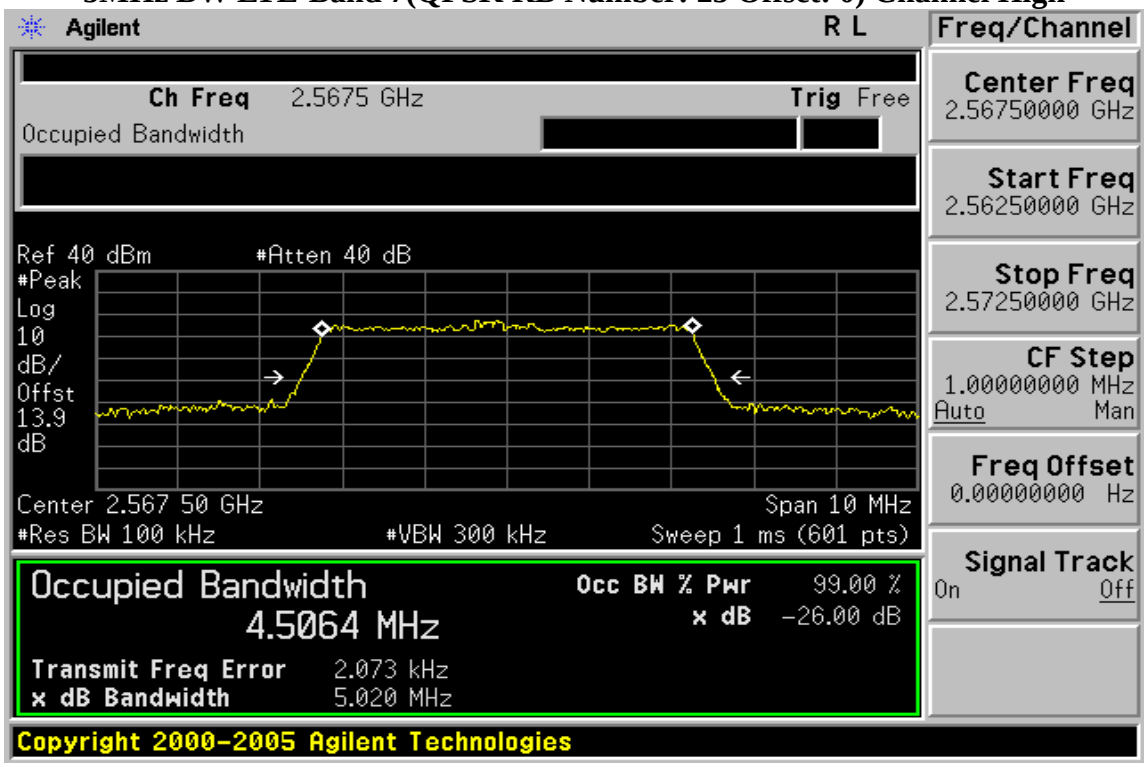
5MHz BW LTE-Band 7(QPSK RB Number: 25 Offset: 0) Channel Low



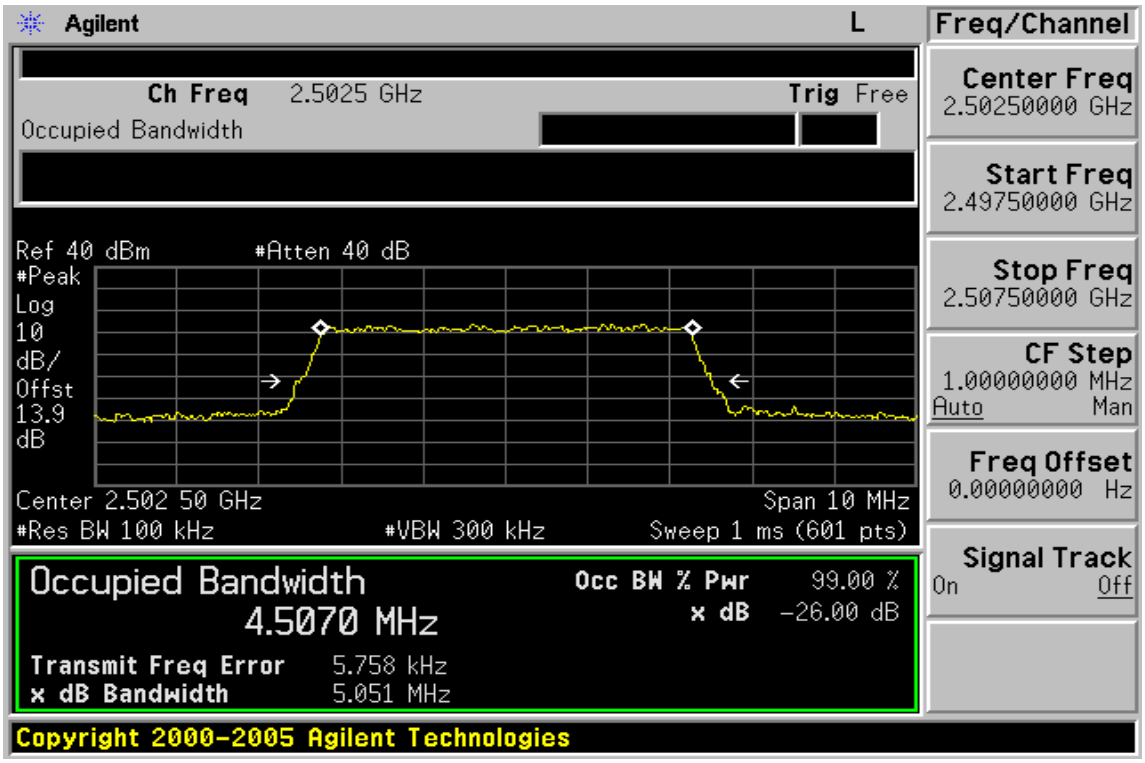
5MHz BW LTE-Band 7(QPSK RB Number: 25 Offset: 0) Channel Mid



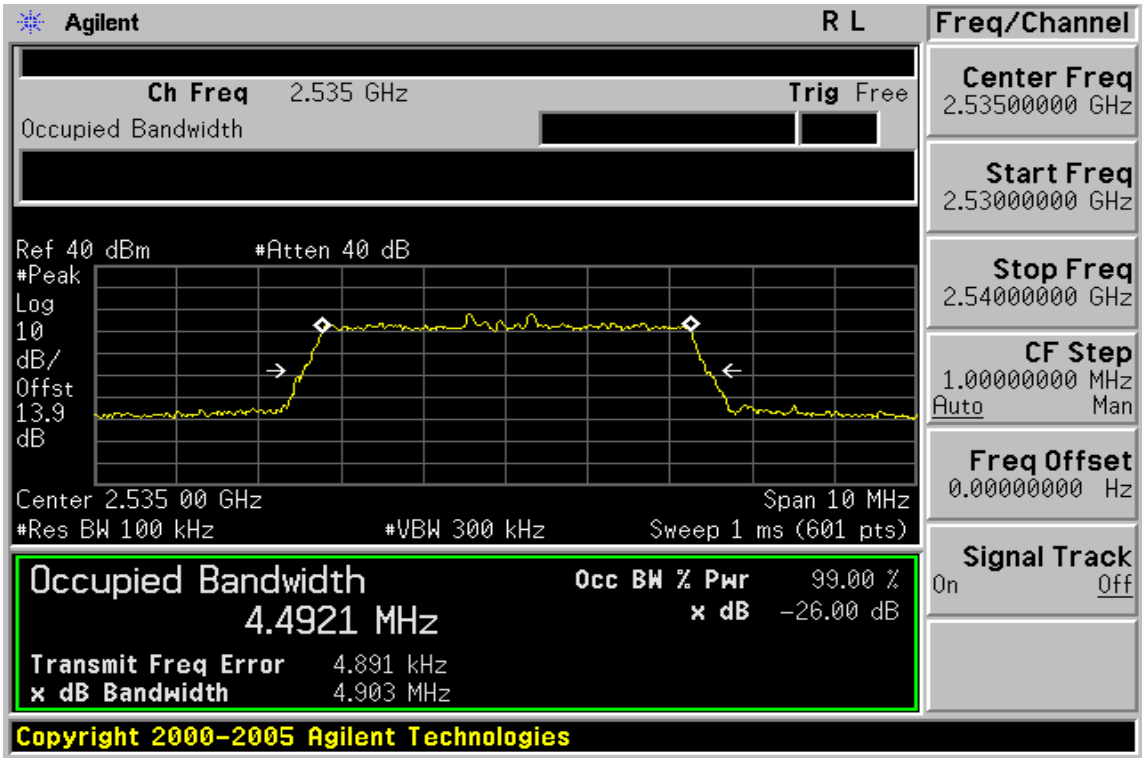
5MHz BW LTE-Band 7(QPSK RB Number: 25 Offset: 0) Channel High



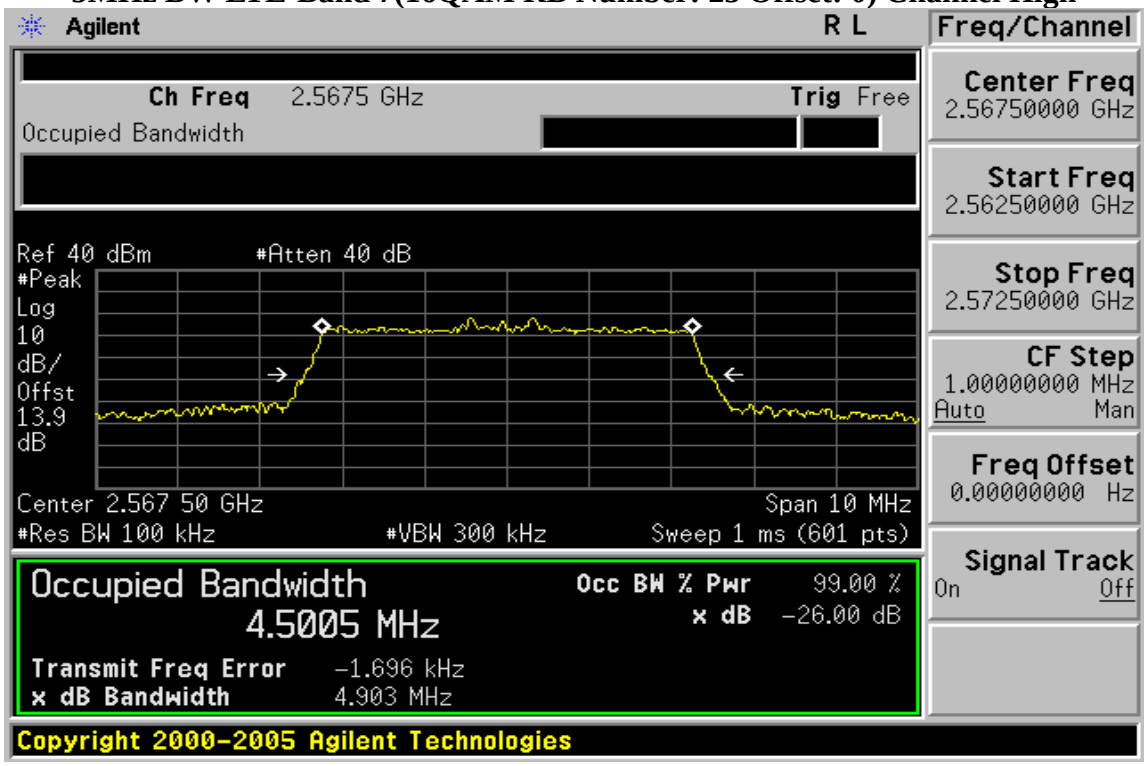
5MHz BW LTE-Band 7(16QAM RB Number: 25 Offset: 0) Channel Low



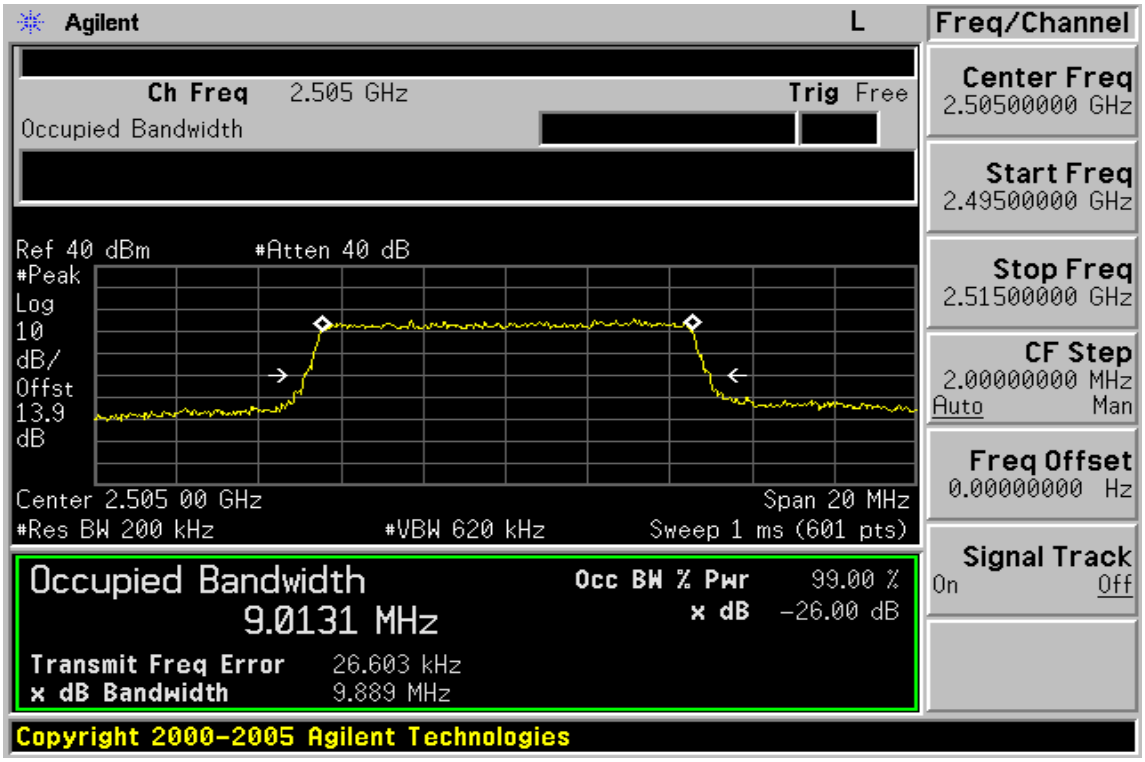
5MHz BW LTE-Band 7(16QAM RB Number: 25 Offset: 0) Channel Mid



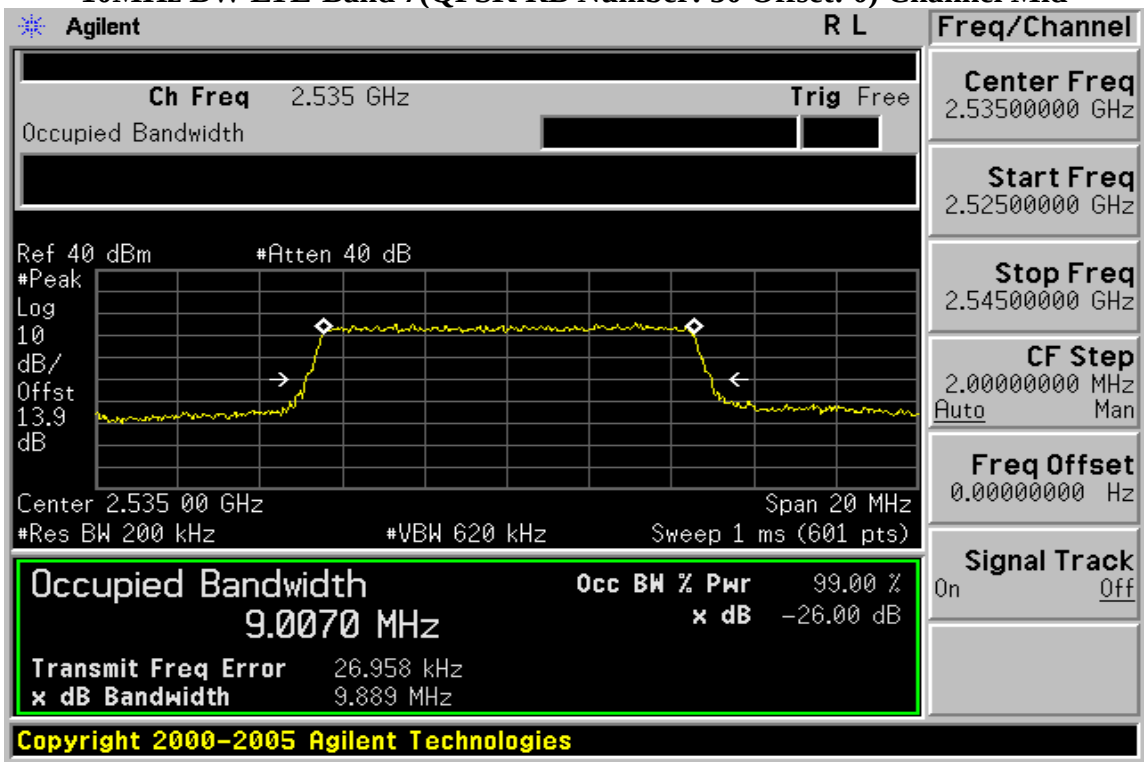
5MHz BW LTE-Band 7(16QAM RB Number: 25 Offset: 0) Channel High



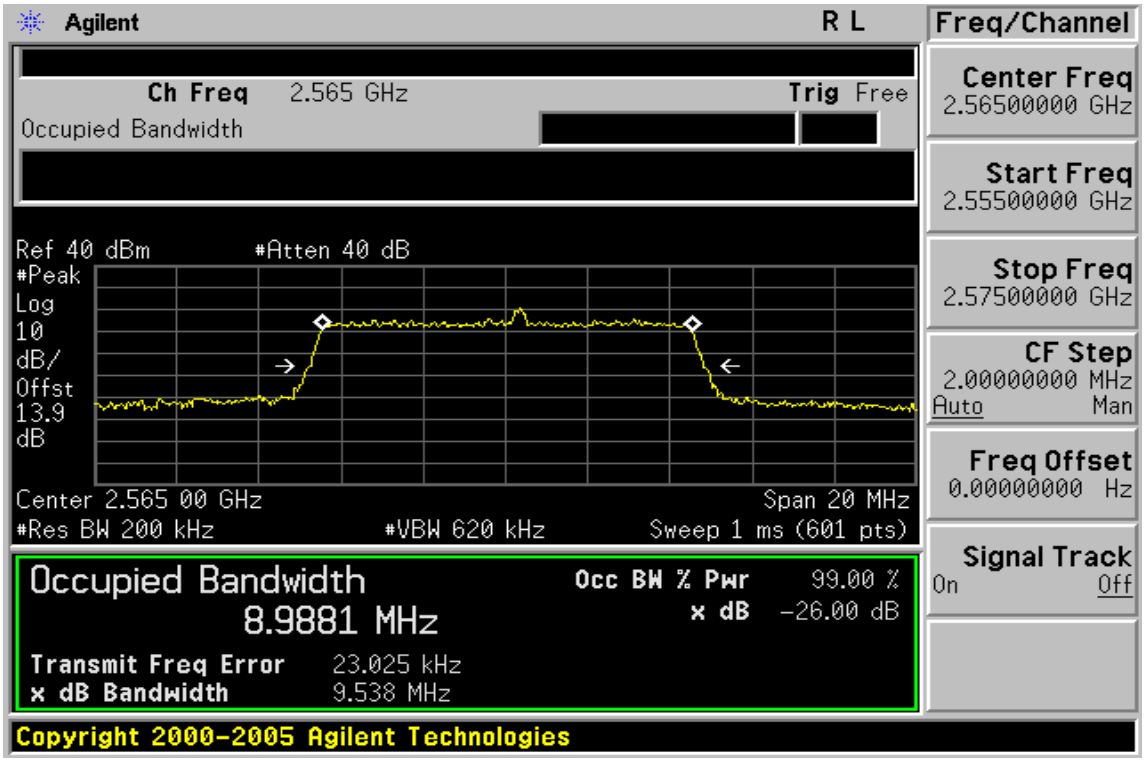
10MHz BW LTE-Band 7 (QPSK RB Number: 50 Offset: 0) Channel Low



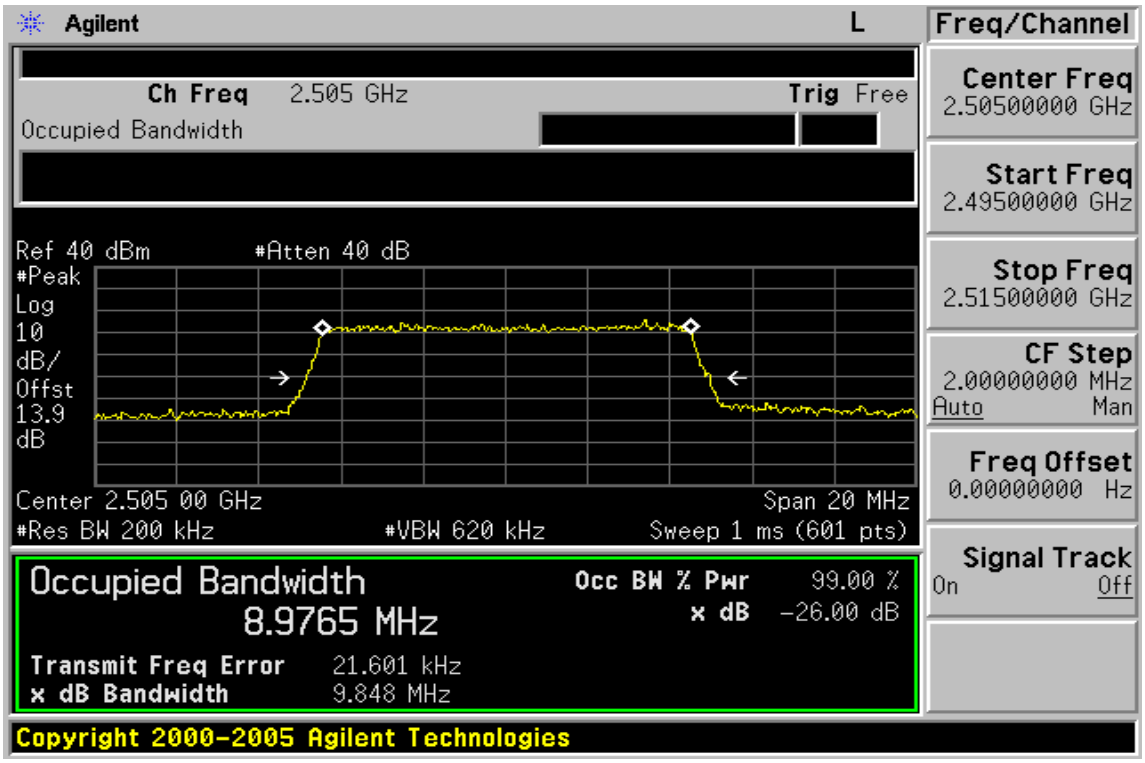
10MHz BW LTE-Band 7(QPSK RB Number: 50 Offset: 0) Channel Mid



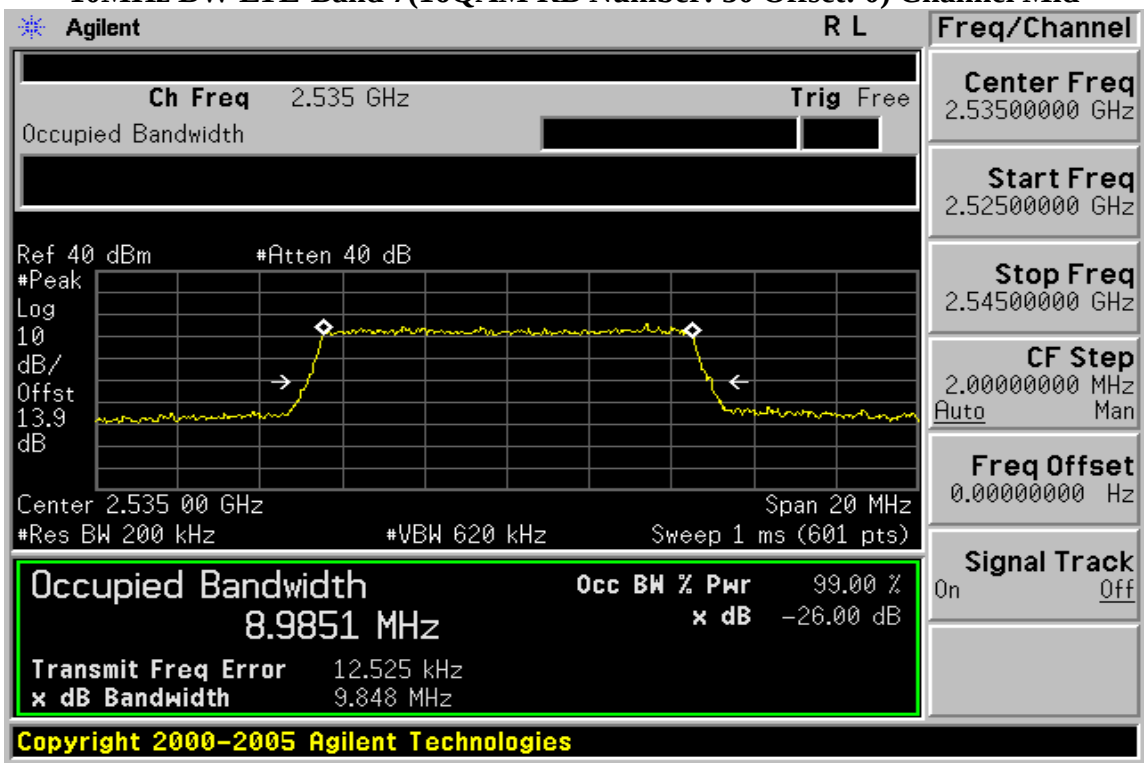
10MHz BW LTE-Band 7(QPSK RB Number: 50 Offset: 0) Channel High



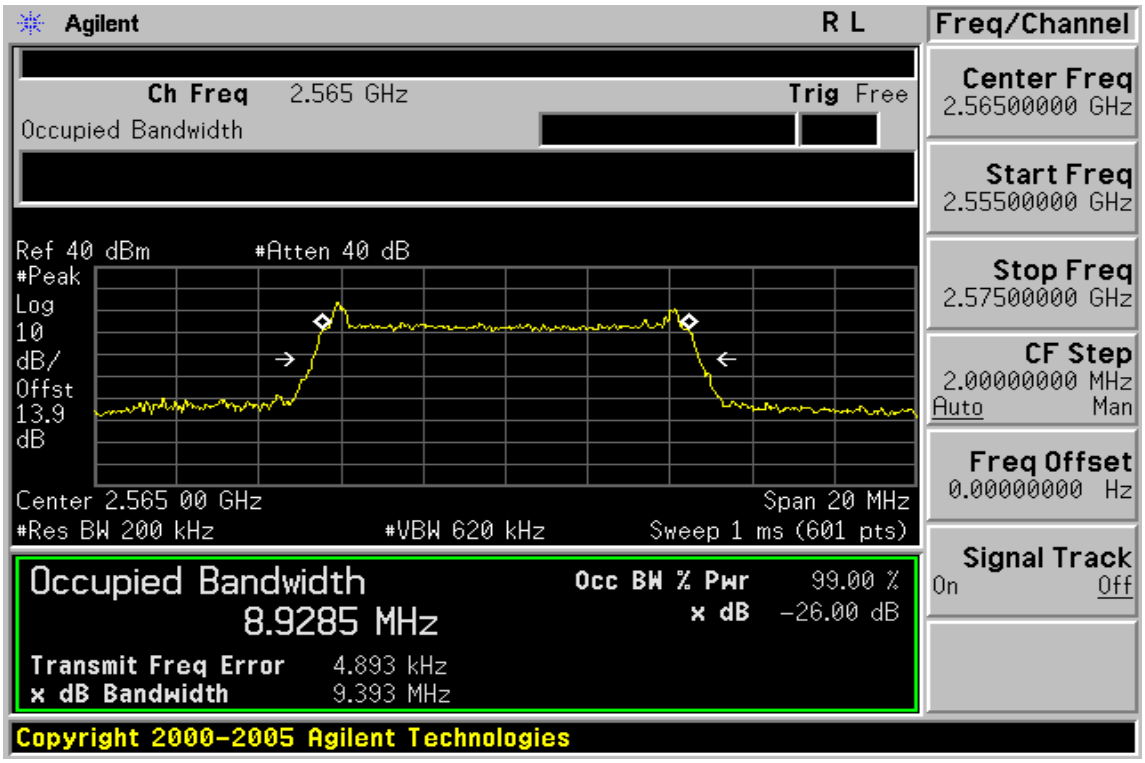
10MHz BW LTE-Band 7 (16QAM RB Number: 50 Offset: 0) Channel Low



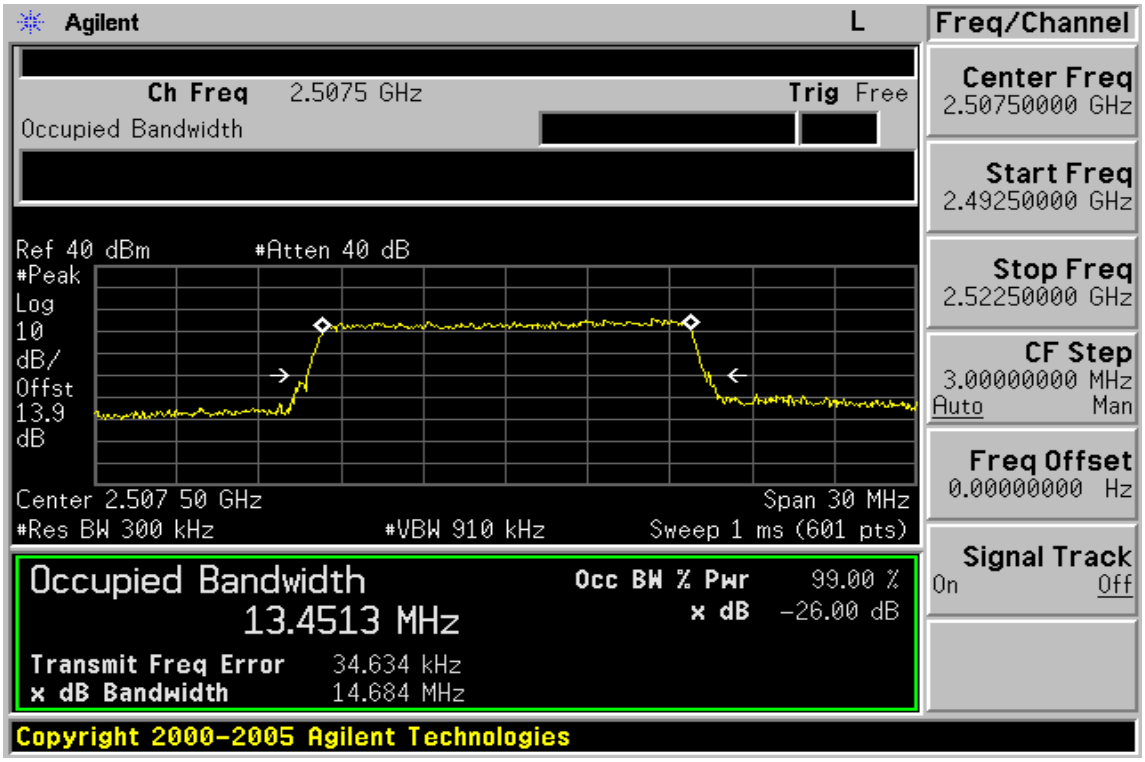
10MHz BW LTE-Band 7(16QAM RB Number: 50 Offset: 0) Channel Mid



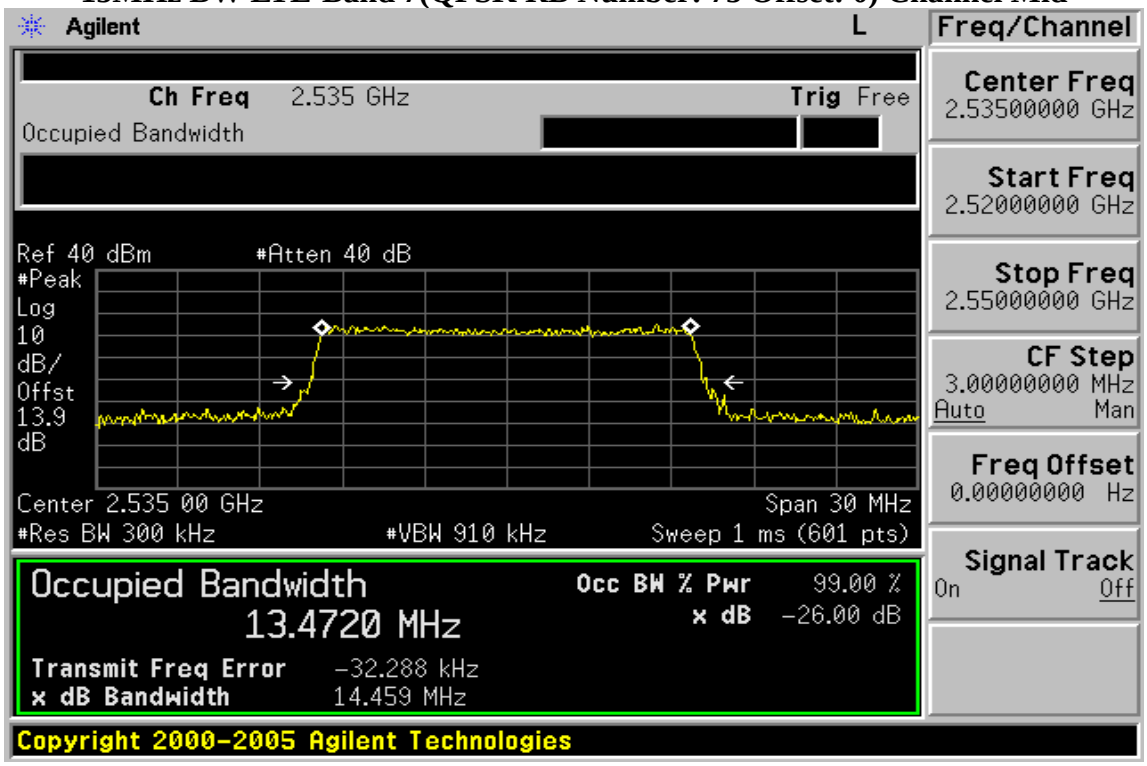
10MHz BW LTE-Band 7(16QAM RB Number: 50 Offset: 0) Channel High



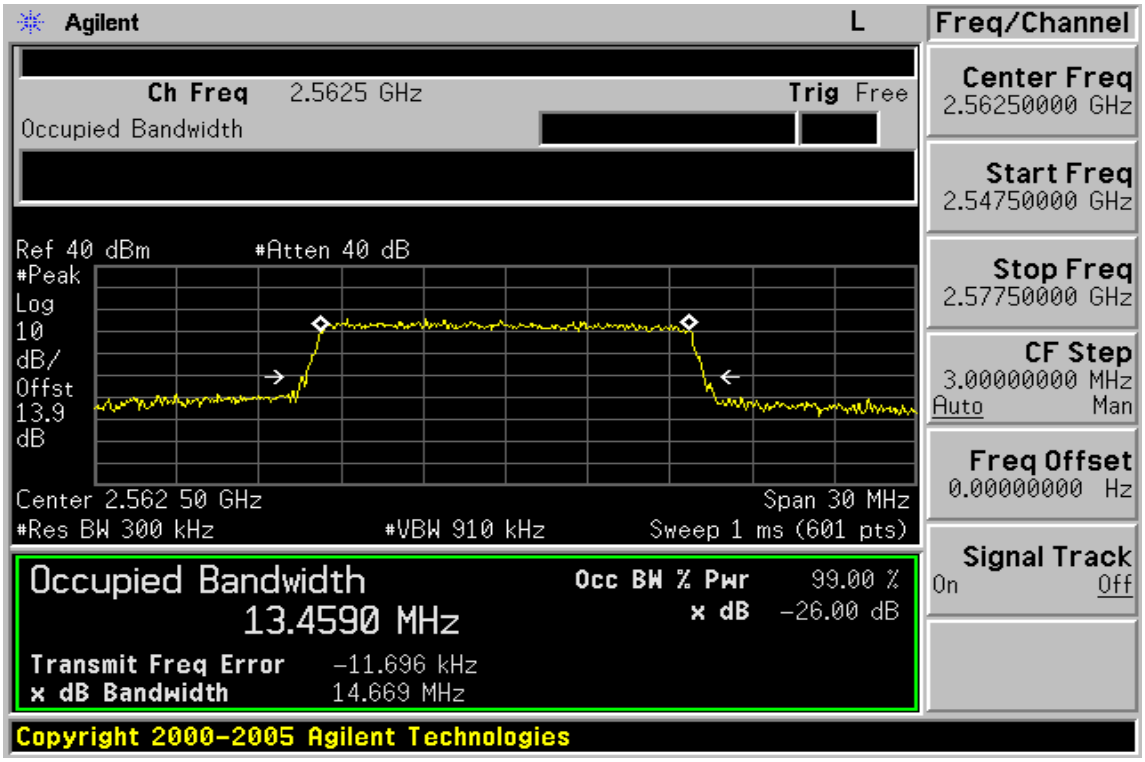
15MHz BW LTE-Band 7 (QPSK RB Number: 75 Offset: 0) Channel Low



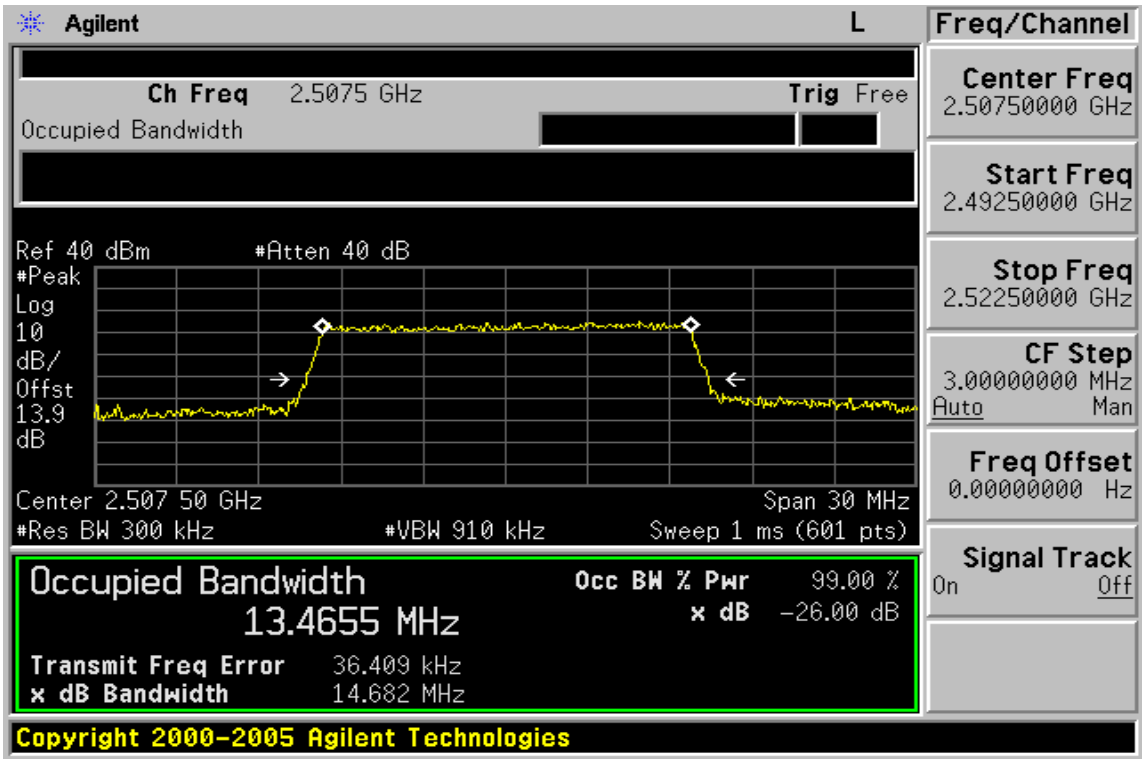
15MHz BW LTE-Band 7(QPSK RB Number: 75 Offset: 0) Channel Mid



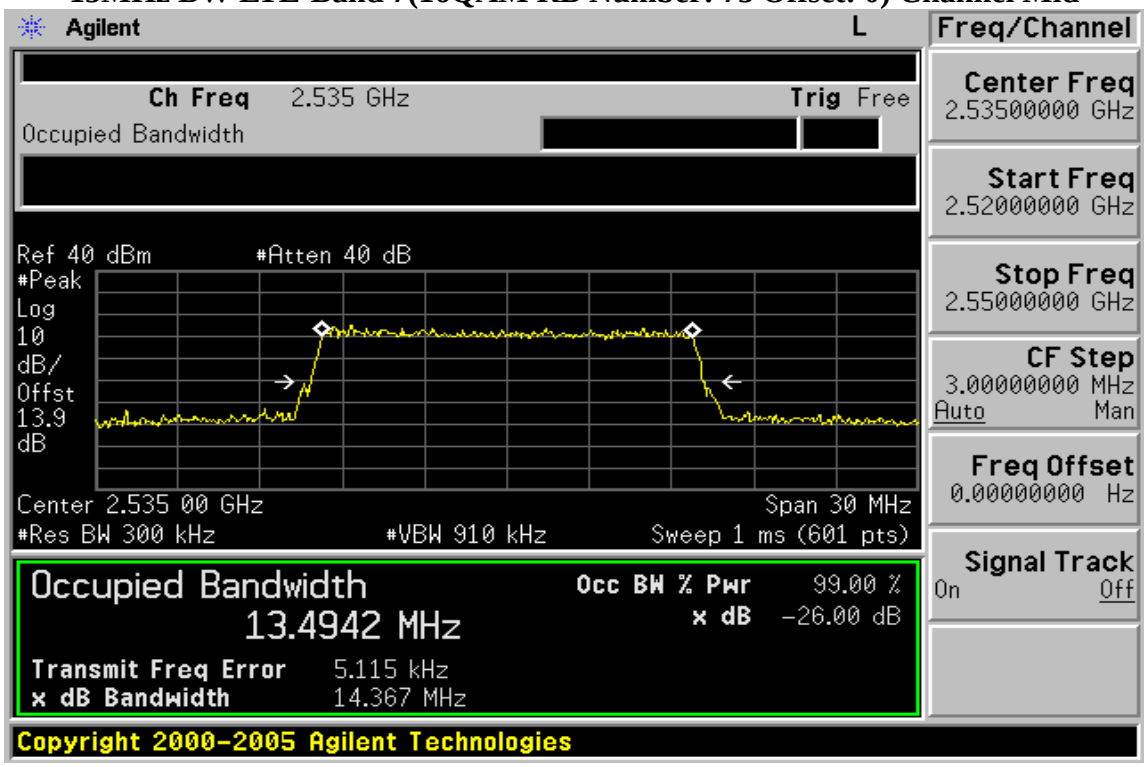
15MHz BW LTE-Band 7(QPSK RB Number: 75 Offset: 0) Channel High



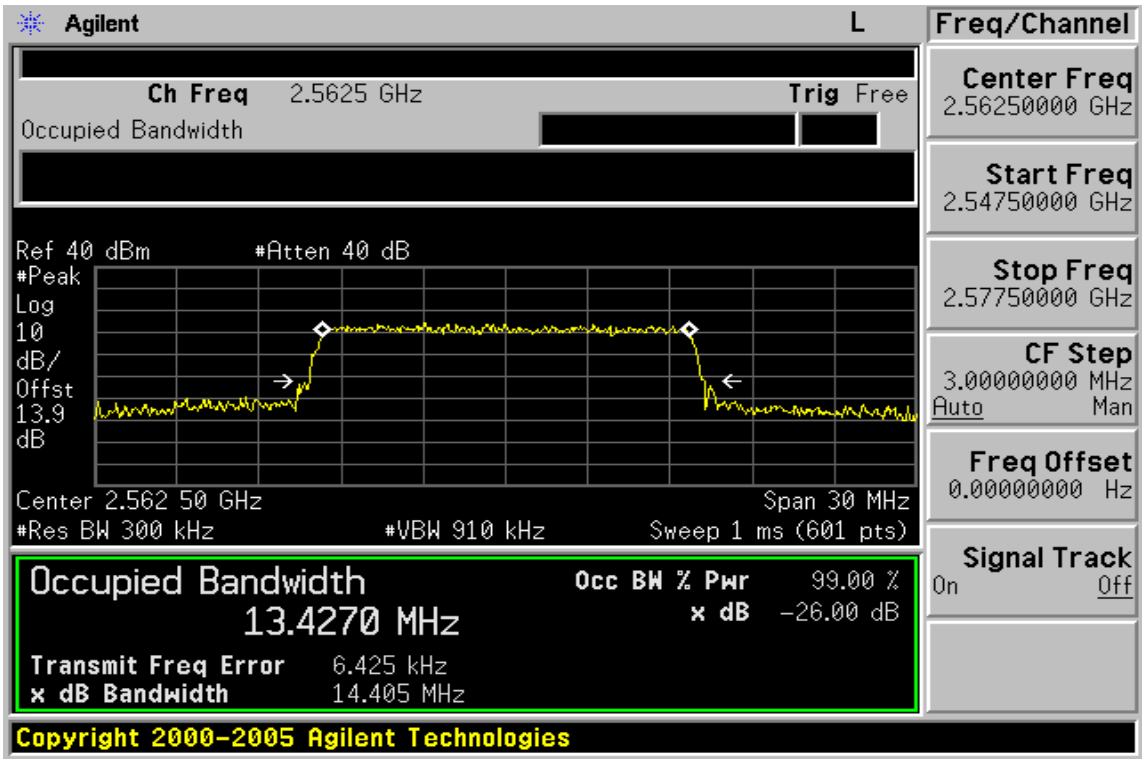
15MHz BW LTE-Band 7 (16QAM RB Number: 75 Offset: 0) Channel Low



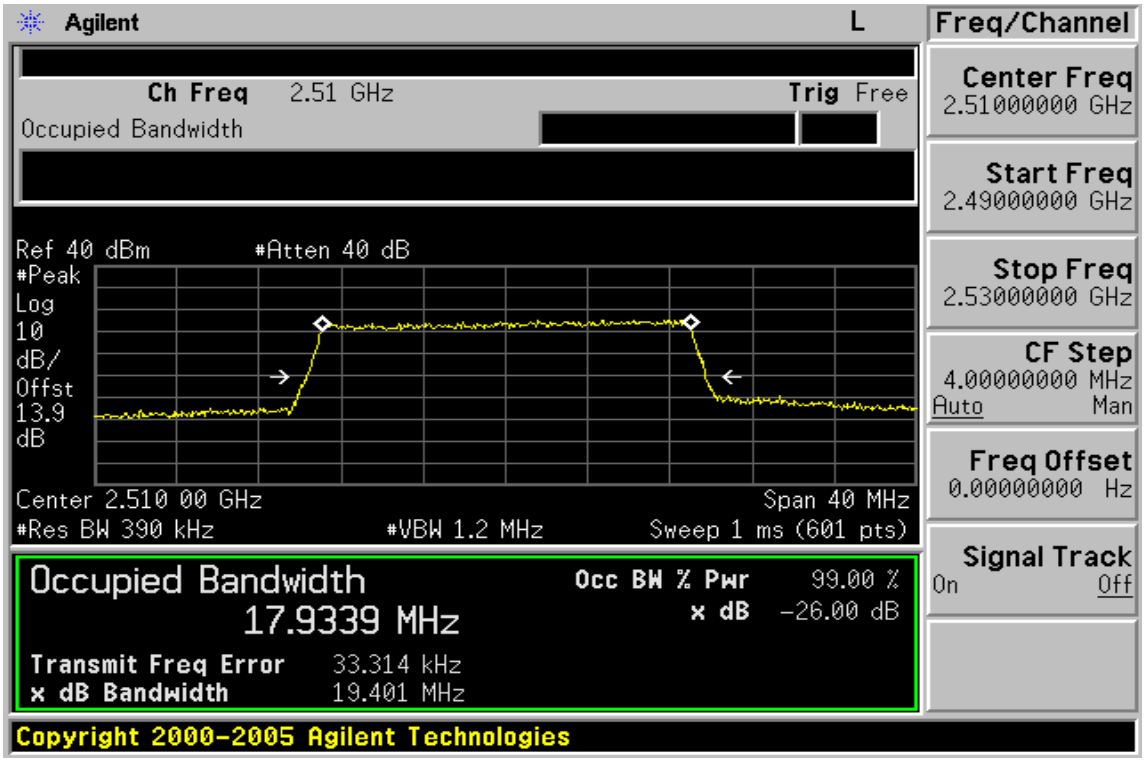
15MHz BW LTE-Band 7(16QAM RB Number: 75 Offset: 0) Channel Mid



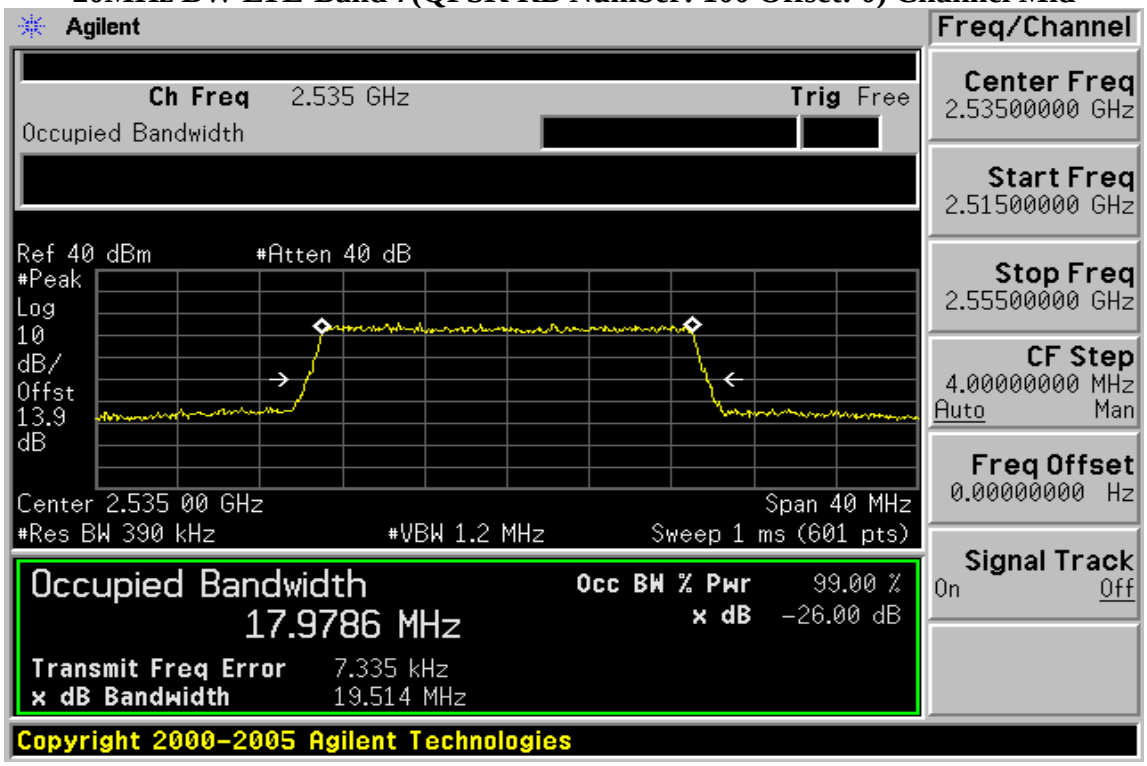
15MHz BW LTE-Band 7(16QAM RB Number: 75 Offset: 0) Channel High



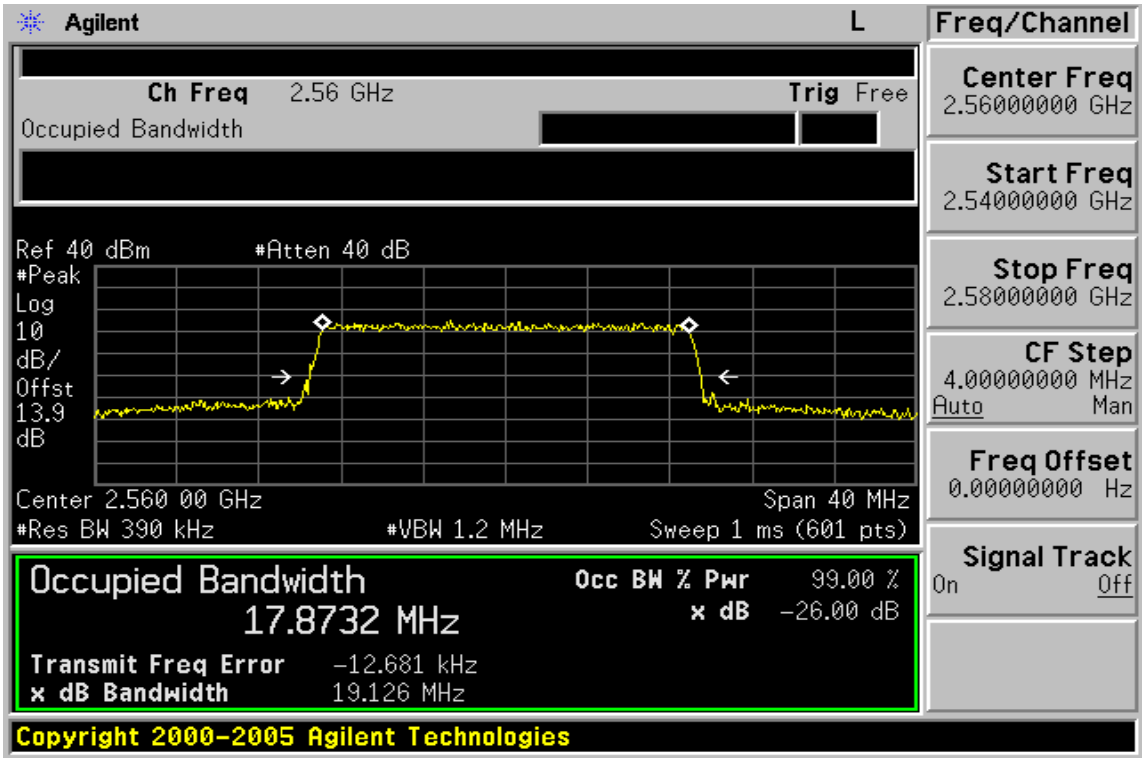
20MHz BW LTE-Band 7 (QPSK RB Number: 100 Offset: 0) Channel Low



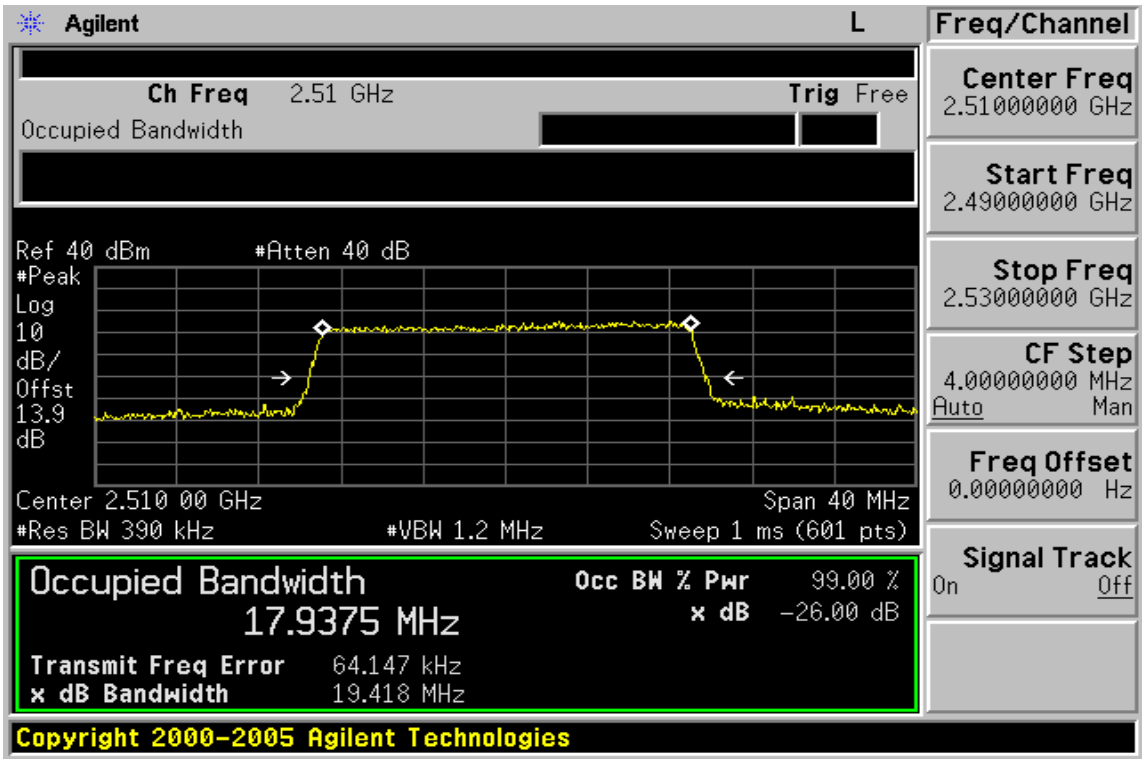
20MHz BW LTE-Band 7(QPSK RB Number: 100 Offset: 0) Channel Mid



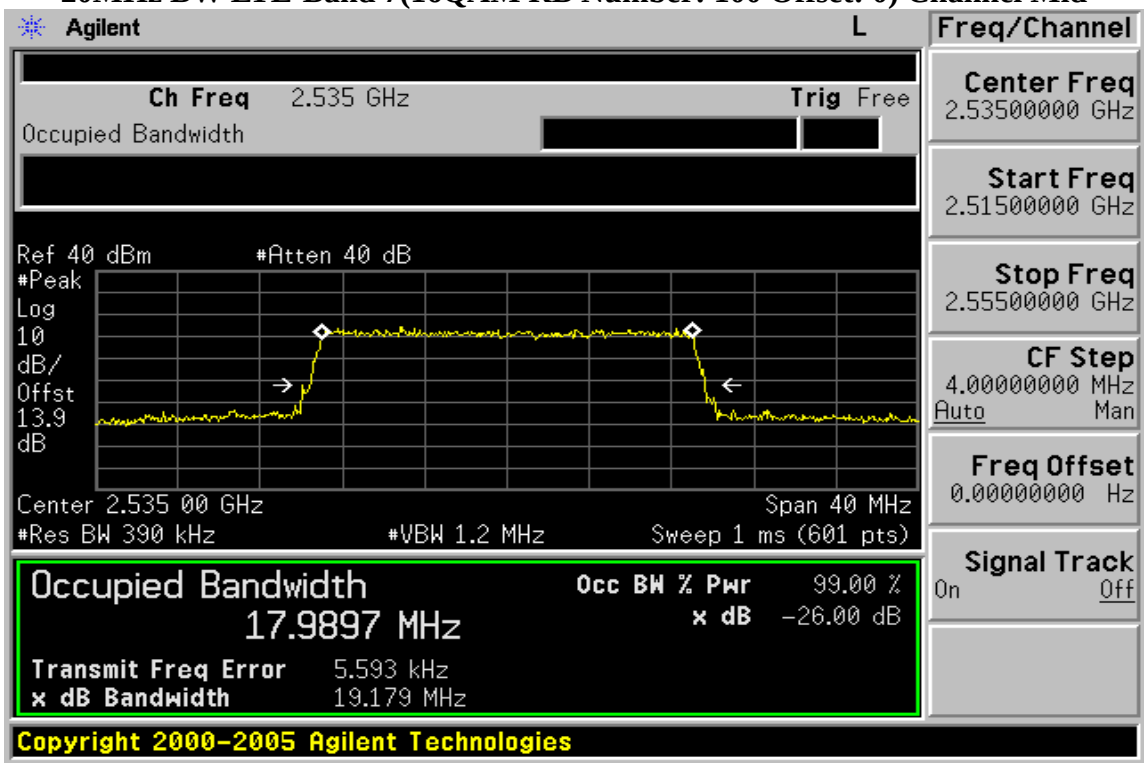
20MHz BW LTE-Band 7(QPSK RB Number: 100 Offset: 0) Channel High



20MHz BW LTE-Band 7 (16QAM RB Number: 100 Offset: 0) Channel Low



20MHz BW LTE-Band 7(16QAM RB Number: 100 Offset: 0) Channel Mid



20MHz BW LTE-Band 7(16QAM RB Number: 100 Offset: 0) Channel High