



RF TEST REPORT

Applicant Xiaomi Communications Co., Ltd.
FCC ID 2AFZZ3QPG
Product Mobile Phone
Brand POCO
Model 220333QPG
Report No. R2202A0131-R3V1
Issue Date March 31, 2022

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2021)/ FCC CFR47 Part 27C (2021)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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Version	Revision description	Issue Date
Rev.0	Initial issue of report.	March 24, 2022
Rev.1	Update description.	March 31, 2022

Note: This revised report (Report No. R2202A0131-R3V1) supersedes and replaces the previously issued report (Report No. R2202A0131-R3). Please discard or destroy the previously issued report and dispose of it accordingly.



Summary of Measurement Results

Number	Test Case	Clause in FCC rules	Verdict
1	RF Power Output and Effective Isotropic Radiated Power	2.1046 /27.50(d)(4) /27.50(h)(2)	PASS
2	Occupied Bandwidth	2.1049	PASS
3	Band Edge Compliance	27.53(h) /27.53(m)	PASS
4	Peak-to-Average Power Ratio	27.50(d)/KDB971168 D01(5.7)	PASS
5	Frequency Stability	2.1055 / 27.54	PASS
6	Spurious Emissions at Antenna Terminals	2.1051 /27.53(h) /27.53(m)	PASS
7	Radiates Spurious Emission	2.1053 /27.53(h) /27.53(m)	PASS

Date of Testing: February 28, 2022 ~March 10, 2022

Date of Sample Received: February 28, 2022

Note: PASS: The EUT complies with the essential requirements in the standard.

FAIL: The EUT does not comply with the essential requirements in the standard.

All indications of Pass/Fail in this report are opinions expressed by TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.



1 Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein .Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

1.3 Testing Location

Company: TA Technology (Shanghai) Co., Ltd.
Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China
City: Shanghai
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E-mail: xukai@ta-shanghai.com

2 General Description of Equipment under Test

2.1 Applicant and Manufacturer Information

Applicant	Xiaomi Communications Co., Ltd.
Applicant address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Manufacturer	Xiaomi Communications Co., Ltd.
Manufacturer address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

2.2 General information

EUT Description			
Model	220333QPG		
IMEI	IMEI 1:862598050086446 IMEI 2:862598050086453		
Hardware Version	P2.0		
Software Version	MIUI 13		
Antenna Type	PIFA Antenna		
Antenna Gain	Band	Low Antenna	Upper Antenna
	WCDMA Band IV:	-0.39dBi	0.80dBi
	LTE Band 4:	-0.40dBi	0.80dBi
	LTE Band 7:	0.70dBi	0.70dBi
	LTE Band 38:	-1.30dBi	0.70dBi
	LTE Band 41:	0.70dBi	1.00dBi
Test Mode(s)	WCDMA Band IV; LTE Band 4/7/38/41;		
Test Modulation	(WCDMA) BPSK, QPSK; (LTE) QPSK, 16QAM, 64QAM;		
HSDPA UE Category	24		
HSUPA UE Category	6		
LTE Category	4		
Maximum E.I.R.P./ E.R.P.	WCDMA Band IV:	25.22dBm	
	LTE Band 4:	24.73dBm	
	LTE Band 7:	25.43dBm	
	LTE Band 38:	25.07dBm	
	LTE Band 41:	24.20dBm	
Rated Power Supply Voltage	3.87V		
Operating Voltage	Minimum: 3.6V Maximum: 4.2V		
Operating Temperature	Lowest: -0°C Highest: +40°C		



Testing Temperature	Lowest: -30°C Highest: +50°C		
Operating Frequency Range(s)	Mode	Tx (MHz)	Rx (MHz)
	WCDMA Band IV	1710 ~ 1755	2110 ~ 2155
	LTE Band 4	1710 ~ 1755	2110 ~ 2155
	LTE Band 7	2500 ~ 2570	2620 ~ 2690
	LTE Band 38	2570 ~ 2620	2570 ~ 2620
LTE Band 41	2535 ~ 2655	2535 ~ 2655	
Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant. 2. Low antenna and Upper antenna can't transmit simultaneously.			



3 Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards:

FCC CFR47 Part 27C (2021)

FCC CFR47 Part 2 (2021)

Reference standard:

ANSI C63.26 (2015)

KDB 971168 D01 Power Meas License Digital Systems v03r01

4 Test Configuration

There is more than one SIM card slot, each one should be applied throughout the compliance test respectively, and however, only the worst case (SIM 1) will be recorded in this report

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes. EUT stand-up position (Z axis), lie-down position (X,Y axis). Receiver antenna polarization (horizontal and vertical), the worst emission was found in position (X axis, horizontal polarization for or Low Antenna WCDMA and Upper Antenna WCDMA/ LTE Band; Z axis, horizontal polarization for Low Antenna LTE Band) and the worst case was recorded.

All mode and data rates and positions and RB size and modulations were investigated.

Subsequently, only the worst case emissions are reported.

The following testing in WCDMA/LTE is set based on the maximum RF Output Power.

The following testing in different Bandwidth is set to detail in the following table:

Test modes are chosen to be reported as the worst case configuration below:

Test items	Modes/Modulation
	WCDMA Band IV
RF Power Output and Effective Isotropic Radiated Power	RMC/AMR HSDPA/HSUPA DC-HSDPA
Occupied Bandwidth	RMC
Band Edge Compliance	RMC
Peak-to-Average Power Ratio	RMC
Frequency Stability	RMC
Spurious Emissions at Antenna Terminals	RMC
Radiates Spurious Emission	RMC



Test modes are chosen to be reported as the worst case configuration below for LTE Band 4/7/38/41:

Test items	Modes	Bandwidth (MHz)						Modulation		RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM/64QAM	1	50%	100%	L	M	H
RF Power Output and Effective Isotropic Radiated Power	LTE 4	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 38	-	-	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 41	-	-	O	O	O	O	O	O	O	O	O	O	O	O
Occupied Bandwidth	LTE 4	O	O	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 38	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 41	-	-	O	O	O	O	O	O	-	-	O	O	O	O
Band Edge Compliance	LTE 4	O	O	O	O	O	O	O	O	O	-	O	O	-	O
	LTE 7	-	-	O	O	O	O	O	O	O	-	O	O	-	O
	LTE 38	-	-	O	O	O	O	O	O	O	-	O	O	-	O
	LTE 41	-	-	O	O	O	O	O	O	O	-	O	O	-	O
Peak-to-Average Power Ratio	LTE 4	O	O	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 38	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 41	-	-	O	O	O	O	O	O	-	-	O	O	O	O
Frequency Stability	LTE 4	O	O	O	O	O	O	O	O	O	-	-	-	O	-
	LTE 7	-	-	O	O	O	O	O	O	O	-	-	-	O	-
	LTE 38	-	-	O	O	O	O	O	O	O	-	-	-	O	-
	LTE 41	-	-	O	O	O	O	O	O	O	-	-	-	O	-
Spurious Emissions at Antenna Terminals	LTE 4	O	O	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 7	-	-	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 38	-	-	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 41	-	-	O	O	O	O	O	-	O	-	-	O	O	O
Radiates Spurious Emission	LTE 4	O	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 7	-	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 38	-	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 41	-	-	O	-	-	O	O	-	O	-	-	-	O	-
Note	1. The mark "O" means that this configuration is chosen for testing. 2. The mark "-" means that this configuration is not testing.														

5 Test Case

5.1 RF Power Output and Effective Isotropic Radiated Power

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

During the process of the testing, The EUT was connected to the Base Station Simulator with a known loss. The EUT is controlled by the Base Station Simulator test set to ensure max power transmission with proper modulation.

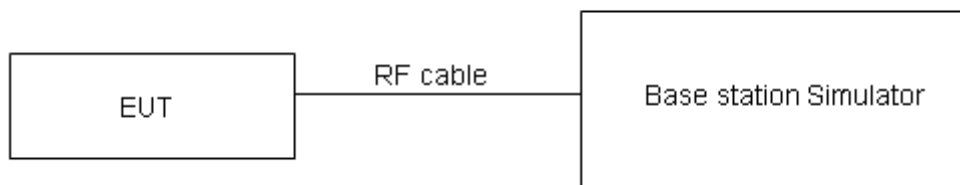
ERP can then be calculated as follows:

$$\text{EIRP (dBm)} = \text{Output Power (dBm)} - \text{Losses (dB)} + \text{Antenna Gain (dBi)}$$

where:dBd refers to gain relative to an ideal dipole.

$$\text{EIRP (dBm)} = \text{ERP (dBm)} + 2.15 \text{ (dB.)}$$

Test Setup



Limits

No specific RF power output requirements in part 2.1046.

Rule Part 27.50(d) (4) specifies that “Fixed, mobile and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP”

Rule Part 27.50(h) (2) specifies that “Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.”

Part 27.50(d)(4)Limit	≤ 1 W (30 dBm)
Part 27.50(h)(2) Limit	≤ 2 W (33 dBm)



Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U=0.4$ dB for RF power output, $k = 2$, $U= 1.19$ dB for ERP/EIRP.

Test Results

Refer to the section 6.1 of this report for test data.

5.2 Occupied Bandwidth

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

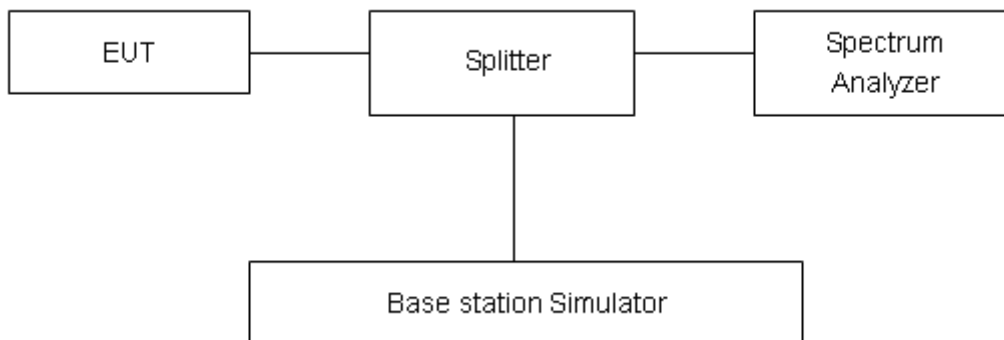
Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The occupied bandwidth is measured using spectrum analyzer.

RBW is set to $\geq 1\%EBW$, VBW is set to 3x RBW.

99% power and -26dBc occupied bandwidths are recorded. Spectrum analyzer plots are included on the following pages.

Test Setup



Limits

No specific occupied bandwidth requirements in part 2.1049.

Measurement Uncertainty

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

Test Results

Refer to the section 6.2 of this report for test data.

5.3 Band Edge Compliance

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The band edge of the lowest and highest channels were measured.

The testing follows KDB 971168 D01 v03r01 Section 6.0

The EUT was connected to spectrum analyzer and system simulator via a power divider.

The band edges of low and high channels for the highest RF powers were measured.

For LTE Band 7/38 set RBW \geq 1% EBW in the 1MHz band immediately outside and adjacent to the band edge. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.

For LTE Band 41 the middle channel, high channel set RBW \geq 1% EBW in the 1MHz band immediately outside and adjacent to the band edge. Beyond the 1 MHz band from the band edge, RBW=1MHz was used; Low channel set RBW \geq 2% EBW in the 1MHz band immediately outside and adjacent to the band edge. Beyond the 1 MHz band from the band edge, RBW=1MHz was used. RBW is set to \geq 1%EBW, VBW is set to 3x RBW.

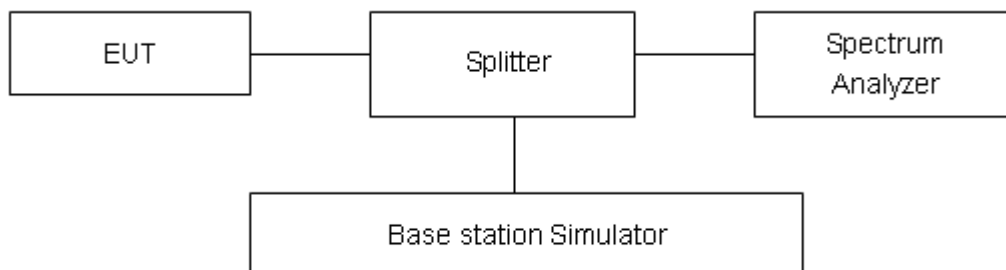
on spectrum analyzer.

Set spectrum analyzer with RMS detector.

The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

Checked that all the results comply with the emission limit line.

Test Setup



Limits

Rule Part 27.53(h) specifies that “for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB”

Rule Part 27.53(m) (4)/ specifies that “for BRS and EBS stations. For mobile digital stations, the



attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Example:

The limit line is derived from $43 + 10 \log (P)$ dB below the transmitter power P(Watts)
= $P(W) - [43 + 10 \log (P)]$ (dB)
= $[30 + 10 \log (P)]$ (dBm) - $[43 + 10 \log (P)]$ (dB) = -13dBm.

Measurement Uncertainty

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

Test Results

Refer to the section 6.3 of this report for test data.

5.4 Peak-to-Average Power Ratio (PAPR)

Ambient condition

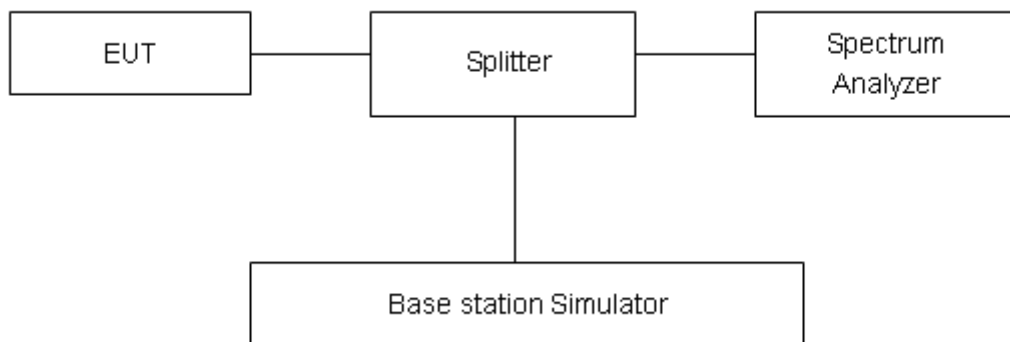
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

Measure the total peak power and record as PPk. And measure the total average power and record as PAvg. Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm). Determine the PAPR from:

$$PAPR (dB) = PPk (dBm) - PAvg (dBm).$$

Test Setup



Limits

Rule Part 27.50(d)(5) Equipment employed must be authorized in accordance with the provisions of 24.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

Measurement Uncertainty

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

Test Results

Refer to the section 6.4 of this report for test data.

5.5 Frequency Stability

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

Frequency Stability (Temperature Variation)

The temperature inside the climate chamber is varied from -30°C to +50°C in 10°C step size.

(1)With all power removed, the temperature was decreased to -10°C and permitted to stabilize for three hours.

(2)Measure the carrier frequency with the test equipment in a “call mode”. These measurements should be made within 1 minute of powering up the mobile station, to prevent significant self warming.

(3) Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, un-powered, before making measurements.

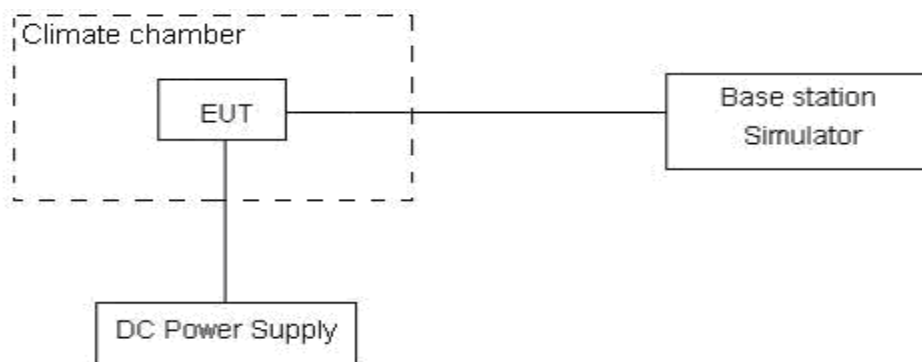
Frequency Stability (Voltage Variation)

The frequency stability shall be measured with variation of primary supply voltage as follows:

Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

This transceiver is specified to operate with an input voltage of between 3.6 V and 4.2 V, with a nominal voltage of 3.87V.

Test setup



Limits

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 99.75% confidence level for the normal distribution is with the coverage factor $k = 3, U=0.01\text{ppm}$.

Test Results

Refer to the section 6.5 of this report for test data.

5.6 Spurious Emissions at Antenna Terminals

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The measurement is carried out using a spectrum analyzer. The spectrum analyzer scans from 9kHz to the 10th harmonic of the carrier. The peak detector is used.

RBW is set to 100kHz, VBW is set to 300kHz for 30MHz~1GHz

RBW is set to 1MHz, VBW is set to 3MHz for above 1GHz, Sweep is set to ATUO.

RBW is set to 1 kHz (0.009MHz~ 0.15 MHz),

RBW is set to 10 kHz (0.15 MHz~ 30 MHz)

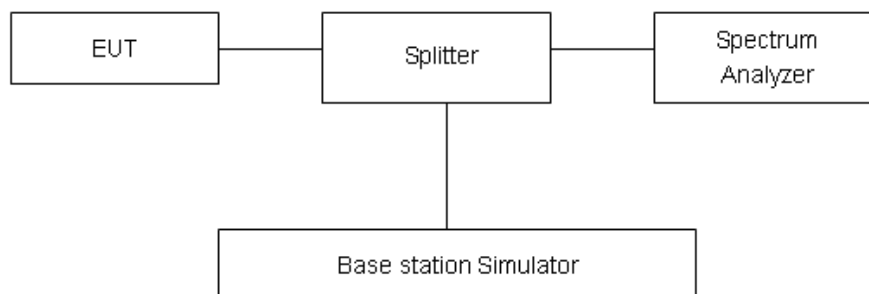
RBW is set to 100 kHz (30MHz~1000 MHz)

RBW is set to 1000 kHz (above 1000MHz)

Of those disturbances below (limit – 20 dB), the mark is not required for the EUT.

The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup



Limits

Rule Part 27.53(h) specifies that “for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB..”

Rule Part 27.53(m) $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section.

Part 27.53 (h) Limit	-13 dBm
Part 27.53(m) Limit	-25 dBm



Measurement Uncertainty

The assessed measurement uncertainty to ensure 99.75% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

Frequency	Uncertainty
9kHz-1GHz	0.684 dB
1GHz-30GHz	1.407 dB

Test Results

Refer to the section 6.6 of this report for test data.



5.7 Radiates Spurious Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

- The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI C63.26 (2015).
- Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H). Above 1GHz: (Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).
- A loop antenna, A log-periodic antenna or horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
- The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=100kHz, VBW=300kHz for 30MHz to 1GHz and RBW=1MHz, VBW=3MHz for above 1GHz, and the maximum value of the receiver should be recorded as (Pr).
- The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
- A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
- The measurement results are obtained as described below:

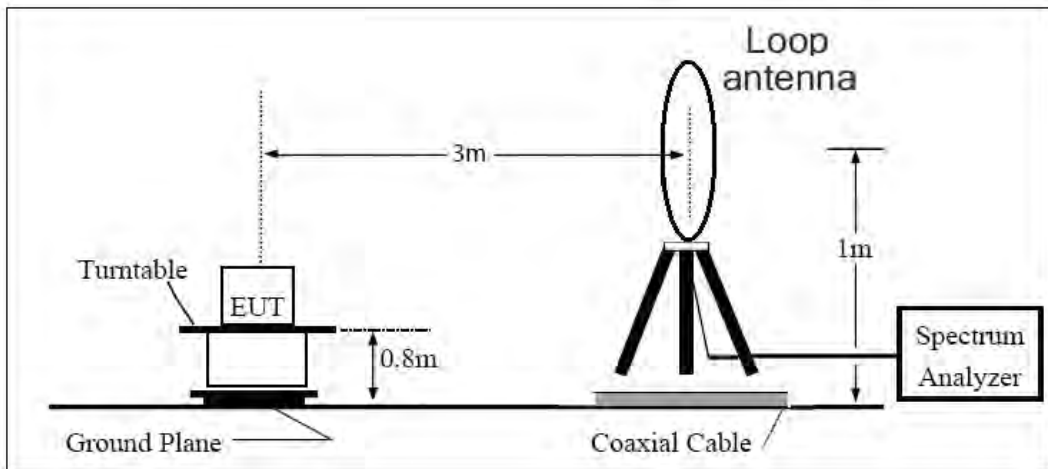
$$\text{Power(EIRP)} = \text{PMea} - \text{PAg} - \text{Pcl} + \text{Ga}$$
 The measurement results are amend as described below:

$$\text{Power(EIRP)} = \text{PMea} - \text{Pcl} + \text{Ga}$$
- This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, $\text{ERP} = \text{EIRP} - 2.15\text{dB}$.

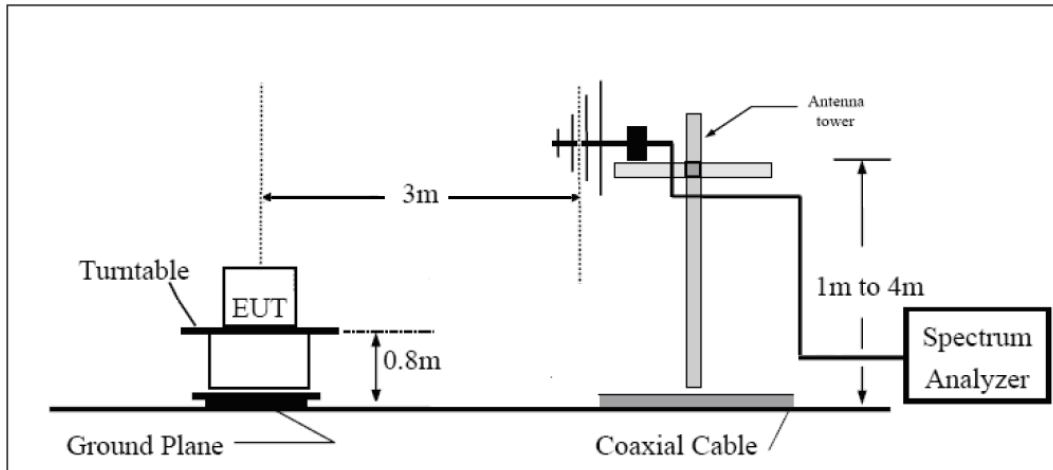
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup

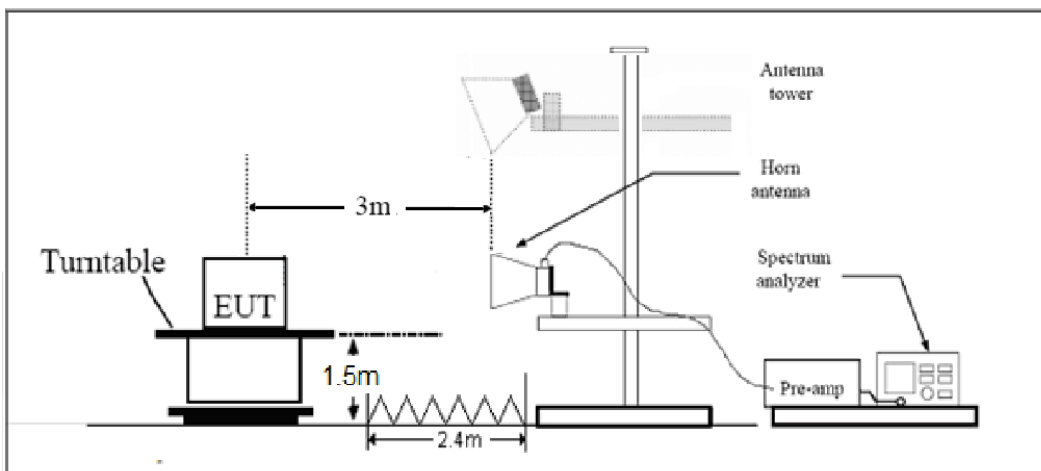
9KHz ~ 30MHz



30MHz ~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m



Limits

Rule Part 27.53(h) specifies that “for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.”

Rule Part 27.53(m) $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section.

Part 27.53 (h) Limit	-13 dBm
Part 27.53(m) Limit	-25 dBm

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = \pm 1.96$, $U = \pm 3.55$ dB.

Test Results

Refer to the section 6.7 of this report for test data.

6 Test Results

6.1 RF Power Output and Effective Isotropic Radiated Power

WCDMA Band IV		Maximum Output Power (dBm)			Low Antenna EIRP (dBm)			Upper Antenna EIRP (dBm)		
		Channel 1312	Channel 1413	Channel 1513	Channel 1312	Channel 1413	Channel 1513	Channel 1312	Channel 1413	Channel 1513
		1712.4 (MHz)	1732.6 (MHz)	1752.6 (MHz)	1712.4 (MHz)	1732.6 (MHz)	1752.6 (MHz)	1712.4 (MHz)	1732.6 (MHz)	1752.6 (MHz)
RMC		24.39	24.42	24.42	23.07	24.03	24.03	23.79	25.22	25.22
AMR		24.29	24.33	24.29	22.97	23.94	23.90	23.69	25.13	25.09
HSDPA	Sub - Test 1	23.81	23.84	23.84	22.49	23.45	23.45	23.21	24.64	24.64
	Sub - Test 2	23.80	23.83	23.83	22.48	23.44	23.44	23.20	24.63	24.63
	Sub - Test 3	23.29	23.32	23.32	21.97	22.93	22.93	22.69	24.12	24.12
	Sub - Test 4	23.28	23.31	23.31	21.96	22.92	22.92	22.68	24.11	24.11
HSUPA	Sub - Test 1	22.37	22.40	22.40	21.05	22.01	22.01	21.77	23.20	23.20
	Sub - Test 2	21.96	21.99	21.99	20.64	21.60	21.60	21.36	22.79	22.79
	Sub - Test 3	22.94	22.98	22.98	21.62	22.59	22.59	22.34	23.78	23.78
	Sub - Test 4	21.33	21.37	21.37	20.01	20.98	20.98	20.73	22.17	22.17
	Sub - Test 5	22.92	22.96	22.96	21.60	22.57	22.57	22.32	23.76	23.76
DC-HSDPA	Sub - Test 1	23.73	23.78	23.76	22.41	23.39	23.37	23.13	24.58	24.56
	Sub - Test 2	23.72	23.77	23.75	22.40	23.38	23.36	23.12	24.57	24.55
	Sub - Test 3	23.30	23.26	23.26	21.98	22.87	22.87	22.70	24.06	24.06
	Sub - Test 4	23.29	23.25	23.25	21.97	22.86	22.86	22.69	24.05	24.05



LTE Band 4				Maximum Output Power(dBm)			Low Antenna EIRP (dBm)			Upper Antenna EIRP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				19957/1710.7	20175/1732.5	20393/1754.3	19957/1710.7	20175/1732.5	20393/1754.3	19957/1710.7	20175/1732.5	20393/1754.3
1.4MHz	QPSK	1	0	23.80	23.84	23.71	22.48	23.45	23.32	23.20	24.64	24.51
		1	2	23.92	23.88	23.65	22.60	23.49	23.26	23.32	24.68	24.45
		1	5	23.72	23.88	23.58	22.40	23.49	23.19	23.12	24.68	24.38
		3	0	23.72	23.63	23.68	22.40	23.24	23.29	23.12	24.43	24.48
		3	2	23.65	23.69	23.53	22.33	23.30	23.14	23.05	24.49	24.33
		3	3	23.68	23.62	23.54	22.36	23.23	23.15	23.08	24.42	24.34
		6	0	22.75	22.74	22.82	21.43	22.35	22.43	22.15	23.54	23.62
	16QAM	1	0	22.69	22.59	22.87	21.37	22.20	22.48	22.09	23.39	23.67
		1	2	22.67	22.32	22.78	21.35	21.93	22.39	22.07	23.12	23.58
		1	5	22.56	22.15	22.55	21.24	21.76	22.16	21.96	22.95	23.35
		3	0	22.76	22.73	22.76	21.44	22.34	22.37	22.16	23.53	23.56
		3	2	22.71	22.78	22.72	21.39	22.39	22.33	22.11	23.58	23.52
		3	3	22.65	22.57	22.48	21.33	22.18	22.09	22.05	23.37	23.28
		6	0	21.70	21.79	21.76	20.38	21.40	21.37	21.10	22.59	22.56
	64QAM	1	0	22.37	22.37	22.59	21.05	21.98	22.20	21.77	23.17	23.39
		1	2	22.76	22.63	22.62	21.44	22.24	22.23	22.16	23.43	23.42
		1	5	22.26	22.14	22.14	20.94	21.75	21.75	21.66	22.94	22.94
		3	0	22.78	22.68	22.76	21.46	22.29	22.37	22.18	23.48	23.56
		3	2	22.76	22.82	22.50	21.44	22.43	22.11	22.16	23.62	23.30
		3	3	22.65	22.68	22.61	21.33	22.29	22.22	22.05	23.48	23.41
		6	0	21.68	21.66	21.64	20.36	21.27	21.25	21.08	22.46	22.44
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				19965/1711.5	20175/1732.5	20385/1753.5	19965/1711.5	20175/1732.5	20385/1753.5	19965/1711.5	20175/1732.5	20385/1753.5
3MHz	QPSK	1	0	23.82	23.88	23.74	22.50	23.49	23.35	23.22	24.68	24.54
		1	7	23.90	23.91	23.69	22.58	23.52	23.30	23.30	24.71	24.49
		1	14	23.75	23.93	23.62	22.43	23.54	23.23	23.15	24.73	24.42
		8	0	22.82	22.75	22.81	21.50	22.36	22.42	22.22	23.55	23.61
		8	4	22.77	22.79	22.65	21.45	22.40	22.26	22.17	23.59	23.45
		8	7	22.78	22.73	22.64	21.46	22.34	22.25	22.18	23.53	23.44
		15	0	22.75	22.78	22.85	21.43	22.39	22.46	22.15	23.58	23.65
	16QAM	1	0	22.72	22.61	22.90	21.40	22.22	22.51	22.12	23.41	23.70
		1	7	22.70	22.32	22.82	21.38	21.93	22.43	22.10	23.12	23.62



		1	14	22.58	22.19	22.58	21.26	21.80	22.19	21.98	22.99	23.38
		8	0	21.87	21.86	21.88	20.55	21.47	21.49	21.27	22.66	22.68
		8	4	21.82	21.91	21.84	20.50	21.52	21.45	21.22	22.71	22.64
		8	7	21.75	21.69	21.61	20.43	21.30	21.22	21.15	22.49	22.41
		15	0	21.73	21.83	21.79	20.41	21.44	21.40	21.13	22.63	22.59
	64QAM	1	0	22.40	22.39	22.62	21.08	22.00	22.23	21.80	23.19	23.42
		1	7	22.79	22.63	22.64	21.47	22.24	22.25	22.19	23.43	23.44
		1	14	22.28	22.13	22.17	20.96	21.74	21.78	21.68	22.93	22.97
		8	0	21.89	21.81	21.88	20.57	21.42	21.49	21.29	22.61	22.68
		8	4	21.87	21.95	21.62	20.55	21.56	21.23	21.27	22.75	22.42
		8	7	21.75	21.80	21.74	20.43	21.41	21.35	21.15	22.60	22.54
		15	0	21.71	21.70	21.67	20.39	21.31	21.28	21.11	22.50	22.47
	BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)							
19975/1712.5					20175/1732.5	20375/1752.5	19975/1712.5	20175/1732.5	20375/1752.5	19975/1712.5	20175/1732.5	20375/1752.5
5MHz	QPSK	1	0	23.79	23.86	23.70	22.47	23.47	23.31	23.19	24.66	24.50
		1	13	23.88	23.87	23.66	22.56	23.48	23.27	23.28	24.67	24.46
		1	24	23.72	23.88	23.58	22.40	23.49	23.19	23.12	24.68	24.38
		12	0	22.79	22.70	22.77	21.47	22.31	22.38	22.19	23.50	23.57
		12	6	22.75	22.75	22.60	21.43	22.36	22.21	22.15	23.55	23.40
		12	13	22.76	22.71	22.60	21.44	22.32	22.21	22.16	23.51	23.40
		25	0	22.75	22.77	22.83	21.43	22.38	22.44	22.15	23.57	23.63
	16QAM	1	0	22.69	22.57	22.87	21.37	22.18	22.48	22.09	23.37	23.67
		1	13	22.67	22.30	22.79	21.35	21.91	22.40	22.07	23.10	23.59
		1	24	22.55	22.17	22.54	21.23	21.78	22.15	21.95	22.97	23.34
		12	0	21.85	21.82	21.85	20.53	21.43	21.46	21.25	22.62	22.65
		12	6	21.79	21.86	21.80	20.47	21.47	21.41	21.19	22.66	22.60
		12	13	21.72	21.64	21.57	20.40	21.25	21.18	21.12	22.44	22.37
		25	0	21.71	21.79	21.74	20.39	21.40	21.35	21.11	22.59	22.54
	64QAM	1	0	22.37	22.39	22.59	21.05	22.00	22.20	21.77	23.19	23.39
		1	13	22.76	22.65	22.61	21.44	22.26	22.22	22.16	23.45	23.41
		1	24	22.29	22.11	22.13	20.97	21.72	21.74	21.69	22.91	22.93
		12	0	21.87	21.77	21.89	20.55	21.38	21.50	21.27	22.57	22.69
		12	6	21.84	21.90	21.58	20.52	21.51	21.19	21.24	22.70	22.38
		12	13	21.72	21.75	21.70	20.40	21.36	21.31	21.12	22.55	22.50
		25	0	21.69	21.66	21.62	20.37	21.27	21.23	21.09	22.46	22.42



BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20000/1715	20175/1732.5	20350/1750	20000/1715	20175/1732.5	20350/1750	20000/1715	20175/1732.5	20350/1750
10MHz	QPSK	1	0	23.81	23.87	23.73	22.49	23.48	23.34	23.21	24.67	24.53
		1	25	23.91	23.92	23.70	22.59	23.53	23.31	23.31	24.72	24.50
		1	49	23.74	23.92	23.61	22.42	23.53	23.22	23.14	24.72	24.41
		25	0	22.82	22.75	22.81	21.50	22.36	22.42	22.22	23.55	23.61
		25	13	22.78	22.80	22.64	21.46	22.41	22.25	22.18	23.60	23.44
		25	25	22.78	22.75	22.65	21.46	22.36	22.26	22.18	23.55	23.45
		50	0	22.79	22.79	22.87	21.47	22.40	22.48	22.19	23.59	23.67
	16QAM	1	0	22.71	22.60	22.89	21.39	22.21	22.50	22.11	23.40	23.69
		1	25	22.70	22.34	22.82	21.38	21.95	22.43	22.10	23.14	23.62
		1	49	22.58	22.19	22.57	21.26	21.80	22.18	21.98	22.99	23.37
		25	0	21.88	21.87	21.89	20.56	21.48	21.50	21.28	22.67	22.69
		25	13	21.81	21.90	21.83	20.49	21.51	21.44	21.21	22.70	22.63
		25	25	21.75	21.69	21.61	20.43	21.30	21.22	21.15	22.49	22.41
		50	0	21.74	21.84	21.78	20.42	21.45	21.39	21.14	22.64	22.58
	64QAM	1	0	22.39	22.38	22.61	21.07	21.99	22.22	21.79	23.18	23.41
		1	25	22.79	22.65	22.64	21.47	22.26	22.25	22.19	23.45	23.44
		1	49	22.28	22.13	22.16	20.96	21.74	21.77	21.68	22.93	22.96
		25	0	21.90	21.82	21.89	20.58	21.43	21.50	21.30	22.62	22.69
		25	13	21.86	21.94	21.61	20.54	21.55	21.22	21.26	22.74	22.41
		25	25	21.75	21.80	21.74	20.43	21.41	21.35	21.15	22.60	22.54
		50	0	21.72	21.71	21.66	20.40	21.32	21.27	21.12	22.51	22.46
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20025/1717.5	20175/1732.5	20325/1747.5	20025/1717.5	20175/1732.5	20325/1747.5	20025/1717.5	20175/1732.5	20325/1747.5
15MHz	QPSK	1	0	23.80	23.83	23.71	22.48	23.44	23.32	23.20	24.63	24.51
		1	38	23.89	23.91	23.67	22.57	23.52	23.28	23.29	24.71	24.47
		1	74	23.71	23.87	23.57	22.39	23.48	23.18	23.11	24.67	24.37
		36	0	22.80	22.71	22.78	21.48	22.32	22.39	22.20	23.51	23.58
		36	18	22.75	22.75	22.60	21.43	22.36	22.21	22.15	23.55	23.40
		36	39	22.75	22.72	22.61	21.43	22.33	22.22	22.15	23.52	23.41
		75	0	22.77	22.75	22.82	21.45	22.36	22.43	22.17	23.55	23.62
	16QAM	1	0	22.66	22.58	22.87	21.34	22.19	22.48	22.06	23.38	23.67
		1	38	22.68	22.31	22.80	21.36	21.92	22.41	22.08	23.11	23.60
		1	74	22.55	22.15	22.54	21.23	21.76	22.15	21.95	22.95	23.34



		36	0	21.85	21.85	21.86	20.53	21.46	21.47	21.25	22.65	22.66	
		36	18	21.78	21.85	21.79	20.46	21.46	21.40	21.18	22.65	22.59	
		36	39	21.73	21.65	21.58	20.41	21.26	21.19	21.13	22.45	22.38	
		75	0	21.71	21.79	21.74	20.39	21.40	21.35	21.11	22.59	22.54	
	64QAM	1	0	22.34	22.36	22.59	21.02	21.97	22.20	21.74	23.16	23.39	
		1	38	22.77	22.62	22.62	21.45	22.23	22.23	22.17	23.42	23.42	
		1	74	22.29	22.12	22.17	20.97	21.73	21.78	21.69	22.92	22.97	
		36	0	21.89	21.84	21.90	20.57	21.45	21.51	21.29	22.64	22.70	
		36	18	21.84	21.91	21.60	20.52	21.52	21.21	21.24	22.71	22.40	
		36	39	21.73	21.76	21.71	20.41	21.37	21.32	21.13	22.56	22.51	
		75	0	21.69	21.66	21.62	20.37	21.27	21.23	21.09	22.46	22.42	
	BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
					20050/1720	20175/1732.5	20300/1745	20050/1720	20175/1732.5	20300/1745	20050/1720	20175/1732.5	20300/1745
20MHz	QPSK	1	0	23.77	23.79	23.68	22.45	23.40	23.29	23.17	24.59	24.48	
		1	50	23.88	23.87	23.65	22.56	23.48	23.26	23.28	24.67	24.45	
		1	99	23.69	23.86	23.54	22.37	23.47	23.15	23.09	24.66	24.34	
		50	0	22.77	22.66	22.74	21.45	22.27	22.35	22.17	23.46	23.54	
		50	25	22.73	22.71	22.57	21.41	22.32	22.18	22.13	23.51	23.37	
		50	50	22.72	22.67	22.57	21.40	22.28	22.18	22.12	23.47	23.37	
		100	0	22.74	22.70	22.78	21.42	22.31	22.39	22.14	23.50	23.58	
	16QAM	1	0	22.85	22.54	22.82	21.53	22.15	22.43	22.25	23.34	23.62	
		1	50	22.64	22.29	22.76	21.32	21.90	22.37	22.04	23.09	23.56	
		1	99	22.53	22.12	22.52	21.21	21.73	22.13	21.93	22.92	23.32	
		50	0	21.82	21.81	21.83	20.50	21.42	21.44	21.22	22.61	22.63	
		50	25	21.75	21.83	21.76	20.43	21.44	21.37	21.15	22.63	22.56	
		50	50	21.70	21.60	21.54	20.38	21.21	21.15	21.10	22.40	22.34	
		100	0	21.69	21.75	21.71	20.37	21.36	21.32	21.09	22.55	22.51	
	64QAM	1	0	22.32	22.32	22.54	21.00	21.93	22.15	21.72	23.12	23.34	
		1	50	22.73	22.60	22.58	21.41	22.21	22.19	22.13	23.40	23.38	
		1	99	22.23	22.06	22.11	20.91	21.67	21.72	21.63	22.86	22.91	
		50	0	21.84	21.76	21.83	20.52	21.37	21.44	21.24	22.56	22.63	
		50	25	21.80	21.87	21.54	20.48	21.48	21.15	21.20	22.67	22.34	
		50	50	21.70	21.71	21.67	20.38	21.32	21.28	21.10	22.51	22.47	
		100	0	21.67	21.62	21.59	20.35	21.23	21.20	21.07	22.42	22.39	



LTE Band 7				Maximum Output Power(dBm)			Low Antenna EIRP (dBm)			Upper Antenna EIRP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20775/2502.5	21100/2535	21425/2567.5	20775/2502.5	21100/2535	21425/2567.5	20775/2502.5	21100/2535	21425/2567.5
5MHz	QPSK	1	0	23.36	23.13	23.01	24.36	23.83	23.01	24.86	23.13	23.71
		1	13	23.90	23.58	23.48	24.90	24.28	23.48	25.40	23.58	24.18
		1	24	23.23	23.13	23.09	24.23	23.83	23.09	24.73	23.13	23.79
		12	0	22.43	22.41	22.28	23.43	23.11	22.28	23.93	22.41	22.98
		12	6	22.36	22.21	22.18	23.36	22.91	22.18	23.86	22.21	22.88
		12	13	22.23	22.05	22.15	23.23	22.75	22.15	23.73	22.05	22.85
		25	0	22.25	22.17	22.17	23.25	22.87	22.17	23.75	22.17	22.87
	16QAM	1	0	22.08	21.93	21.36	23.08	22.63	21.36	23.58	21.93	22.06
		1	13	22.44	22.28	22.24	23.44	22.98	22.24	23.94	22.28	22.94
		1	24	22.10	21.73	22.01	23.10	22.43	22.01	23.60	21.73	22.71
		12	0	21.39	21.35	21.17	22.39	22.05	21.17	22.89	21.35	21.87
		12	6	21.42	21.21	21.31	22.42	21.91	21.31	22.92	21.21	22.01
		12	13	21.27	20.97	21.09	22.27	21.67	21.09	22.77	20.97	21.79
		25	0	21.29	21.06	21.03	22.29	21.76	21.03	22.79	21.06	21.73
	64QAM	1	0	21.28	20.84	20.91	22.28	21.54	20.91	22.78	20.84	21.61
		1	13	21.70	21.51	21.50	22.70	22.21	21.50	23.20	21.51	22.20
		1	24	21.06	20.70	20.99	22.06	21.40	20.99	22.56	20.70	21.69
		12	0	20.24	20.42	20.17	21.24	21.12	20.17	21.74	20.42	20.87
		12	6	20.26	20.15	20.16	21.26	20.85	20.16	21.76	20.15	20.86
		12	13	20.19	19.87	20.02	21.19	20.57	20.02	21.69	19.87	20.72
		25	0	20.18	20.01	19.95	21.18	20.71	19.95	21.68	20.01	20.65
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20800/2505	21100/2535	21400/2565	20800/2505	21100/2535	21400/2565	20800/2505	21100/2535	21400/2565
10MHz	QPSK	1	0	23.38	23.14	23.04	24.38	23.84	23.04	24.88	23.14	23.74
		1	25	23.93	23.63	23.52	24.93	24.33	23.52	25.43	23.63	24.22
		1	49	23.25	23.17	23.12	24.25	23.87	23.12	24.75	23.17	23.82
		25	0	22.46	22.46	22.32	23.46	23.16	22.32	23.96	22.46	23.02
		25	13	22.39	22.26	22.22	23.39	22.96	22.22	23.89	22.26	22.92
		25	25	22.25	22.09	22.20	23.25	22.79	22.20	23.75	22.09	22.9
		50	0	22.29	22.19	22.21	23.29	22.89	22.21	23.79	22.19	22.91
	16QAM	1	0	22.12	21.96	21.38	23.12	22.66	21.38	23.62	21.96	22.08
		1	25	22.48	22.32	22.27	23.48	23.02	22.27	23.98	22.32	22.97



BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)									
				20825/ 2507.5	21100/ 2535	21375/ 2562.5	20825/ 2507.5	21100/ 2535	21375/ 2562.5	20825/ 2507.5	21100/ 2535	21375/ 2562.5	
		1	49	22.13	21.75	22.04	23.13	22.45	22.04	23.63	21.75	22.74	
		25	0	21.42	21.40	21.21	22.42	22.10	21.21	22.92	21.40	21.91	
		25	13	21.44	21.25	21.34	22.44	21.95	21.34	22.94	21.25	22.04	
		25	25	21.30	21.02	21.13	22.30	21.72	21.13	22.80	21.02	21.83	
		50	0	21.32	21.11	21.07	22.32	21.81	21.07	22.82	21.11	21.77	
	64QAM	1	0	21.30	20.83	20.93	22.30	21.53	20.93	22.80	20.83	21.63	
		1	25	21.73	21.51	21.53	22.73	22.21	21.53	23.23	21.51	22.23	
		1	49	21.05	20.72	21.02	22.05	21.42	21.02	22.55	20.72	21.72	
		25	0	20.27	20.47	20.17	21.27	21.17	20.17	21.77	20.47	20.87	
		25	13	20.28	20.19	20.19	21.28	20.89	20.19	21.78	20.19	20.89	
		25	25	20.22	19.92	20.06	21.22	20.62	20.06	21.72	19.92	20.76	
		50	0	20.21	20.06	19.99	21.21	20.76	19.99	21.71	20.06	20.69	
	15MHz	QPSK	1	0	23.37	23.10	23.02	24.37	23.80	23.02	24.87	23.10	23.72
			1	38	23.91	23.62	23.49	24.91	24.32	23.49	25.41	23.62	24.19
1			74	23.22	23.12	23.08	24.22	23.82	23.08	24.72	23.12	23.78	
36			0	22.44	22.42	22.29	23.44	23.12	22.29	23.94	22.42	22.99	
36			18	22.36	22.21	22.18	23.36	22.91	22.18	23.86	22.21	22.88	
36			39	22.22	22.06	22.16	23.22	22.76	22.16	23.72	22.06	22.86	
75			0	22.27	22.15	22.16	23.27	22.85	22.16	23.77	22.15	22.86	
16QAM		1	0	22.10	21.94	21.36	23.10	22.64	21.36	23.6	21.94	22.06	
		1	38	22.46	22.29	22.25	23.46	22.99	22.25	23.96	22.29	22.95	
		1	74	22.11	21.71	22.01	23.11	22.41	22.01	23.61	21.71	22.71	
		36	0	21.39	21.38	21.18	22.39	22.08	21.18	22.89	21.38	21.88	
		36	18	21.41	21.20	21.30	22.41	21.90	21.30	22.91	21.20	22.00	
		36	39	21.28	20.98	21.10	22.28	21.68	21.10	22.78	20.98	21.80	
		75	0	21.29	21.06	21.03	22.29	21.76	21.03	22.79	21.06	21.73	
64QAM		1	0	21.25	20.81	20.91	22.25	21.51	20.91	22.75	20.81	21.61	
		1	38	21.71	21.48	21.51	22.71	22.18	21.51	23.21	21.48	22.21	
		1	74	21.06	20.71	21.03	22.06	21.41	21.03	22.56	20.71	21.73	
		36	0	20.26	20.49	20.18	21.26	21.19	20.18	21.76	20.49	20.88	
		36	18	20.26	20.16	20.18	21.26	20.86	20.18	21.76	20.16	20.88	
		36	39	20.20	19.88	20.03	21.20	20.58	20.03	21.70	19.88	20.73	
		75	0	20.18	20.01	19.95	21.18	20.71	19.95	21.68	20.01	20.65	



BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20850/2510	21100/2535	21350/2560	20850/2510	21100/2535	21350/2560	20850/2510	21100/2535	21350/2560
20MHz	QPSK	1	0	23.34	23.06	22.99	24.34	23.76	22.99	24.84	23.06	23.69
		1	50	23.90	23.58	23.47	24.90	24.28	23.47	25.40	23.58	24.17
		1	99	23.20	23.11	23.05	24.20	23.81	23.05	24.70	23.11	23.75
		50	0	22.41	22.37	22.25	23.41	23.07	22.25	23.91	22.37	22.95
		50	25	22.34	22.17	22.15	23.34	22.87	22.15	23.84	22.17	22.85
		50	50	22.19	22.01	22.12	23.19	22.71	22.12	23.69	22.01	22.82
		100	0	22.24	22.10	22.12	23.24	22.80	22.12	23.74	22.10	22.82
	16QAM	1	0	22.07	21.90	21.31	23.07	22.60	21.31	23.57	21.90	22.01
		1	50	22.43	22.27	22.21	23.43	22.97	22.21	23.93	22.27	22.91
		1	99	22.08	21.68	21.99	23.08	22.38	21.99	23.58	21.68	22.69
		50	0	21.36	21.34	21.15	22.36	22.04	21.15	22.86	21.34	21.85
		50	25	21.38	21.18	21.27	22.38	21.88	21.27	22.88	21.18	21.97
		50	50	21.25	20.93	21.06	22.25	21.63	21.06	22.75	20.93	21.76
		100	0	21.27	21.02	21.00	22.27	21.72	21.00	22.77	21.02	21.70
	64QAM	1	0	21.23	20.77	20.86	22.23	21.47	20.86	22.73	20.77	21.56
		1	50	21.67	21.46	21.47	22.67	22.16	21.47	23.17	21.46	22.17
		1	99	21.00	20.65	20.97	22.00	21.35	20.97	22.50	20.65	21.67
		50	0	20.21	20.41	20.11	21.21	21.11	20.11	21.71	20.41	20.81
		50	25	20.22	20.12	20.12	21.22	20.82	20.12	21.72	20.12	20.82
		50	50	20.17	19.83	19.99	21.17	20.53	19.99	21.67	19.83	20.69
		100	0	20.16	19.97	19.92	21.16	20.67	19.92	21.66	19.97	20.62

LTE Band 38				Maximum Output Power(dBm)			Low Antenna EIRP (dBm)			Upper Antenna EIRP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				37775/2572.5	38000/2595	38225/2617.5	37775/2572.5	38000/2595	38225/2617.5	37775/2572.5	38000/2595	38225/2617.5
5MHz	QPSK	1	0	24.35	23.63	23.74	23.05	22.33	22.44	25.05	24.33	24.44
		1	13	24.05	23.90	23.74	22.75	22.60	22.44	24.75	24.60	24.44
		1	24	23.69	23.76	23.66	22.39	22.46	22.36	24.39	24.46	24.36
		12	0	23.40	23.51	23.41	22.10	22.21	22.11	24.10	24.21	24.11
		12	6	23.07	23.05	22.87	21.77	21.75	21.57	23.77	23.75	23.57
		12	13	22.86	22.89	22.76	21.56	21.59	21.46	23.56	23.59	23.46
		25	0	22.96	22.90	22.83	21.66	21.60	21.53	23.66	23.60	23.53
	16QAM	1	0	22.46	22.32	22.44	21.16	21.02	21.14	23.16	23.02	23.14



		1	13	22.74	22.68	22.70	21.44	21.38	21.40	23.44	23.38	23.40
		1	24	22.18	22.23	22.21	20.88	20.93	20.91	22.88	22.93	22.91
		12	0	21.98	21.94	22.15	20.68	20.64	20.85	22.68	22.64	22.85
		12	6	22.07	22.06	21.90	20.77	20.76	20.60	22.77	22.76	22.60
		12	13	21.83	21.98	21.84	20.53	20.68	20.54	22.53	22.68	22.54
		25	0	21.96	21.91	22.11	20.66	20.61	20.81	22.66	22.61	22.81
	64QAM	1	0	21.48	21.37	21.28	20.18	20.07	19.98	22.18	22.07	21.98
		1	13	21.75	21.71	21.77	20.45	20.41	20.47	22.45	22.41	22.47
		1	24	21.39	21.41	21.29	20.09	20.11	19.99	22.09	22.11	21.99
		12	0	21.23	21.13	21.37	19.93	19.83	20.07	21.93	21.83	22.07
		12	6	21.18	21.03	21.03	19.88	19.73	19.73	21.88	21.73	21.73
		12	13	20.91	21.12	20.80	19.61	19.82	19.50	21.61	21.82	21.50
		25	0	20.95	21.17	21.03	19.65	19.87	19.73	21.65	21.87	21.73
	BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)							
37800/2575					38000/2595	38200/2615	37800/2575	38000/2595	38200/2615	37800/2575	38000/2595	38200/2615
10MHz	QPSK	1	0	24.37	23.64	23.77	23.07	22.34	22.47	25.07	24.34	24.47
		1	25	24.08	23.95	23.78	22.78	22.65	22.48	24.78	24.65	24.48
		1	49	23.71	23.80	23.69	22.41	22.50	22.39	24.41	24.50	24.39
		25	0	23.43	23.56	23.45	22.13	22.26	22.15	24.13	24.26	24.15
		25	13	23.10	23.10	22.91	21.80	21.80	21.61	23.80	23.80	23.61
		25	25	22.88	22.93	22.81	21.58	21.63	21.51	23.58	23.63	23.51
		50	0	23.00	22.92	22.87	21.70	21.62	21.57	23.70	23.62	23.57
	16QAM	1	0	22.50	22.35	22.46	21.20	21.05	21.16	23.20	23.05	23.16
		1	25	22.78	22.72	22.73	21.48	21.42	21.43	23.48	23.42	23.43
		1	49	22.21	22.25	22.24	20.91	20.95	20.94	22.91	22.95	22.94
		25	0	22.01	21.99	22.19	20.71	20.69	20.89	22.71	22.69	22.89
		25	13	22.09	22.10	21.93	20.79	20.80	20.63	22.79	22.80	22.63
		25	25	21.86	22.03	21.88	20.56	20.73	20.58	22.56	22.73	22.58
		50	0	21.99	21.96	22.15	20.69	20.66	20.85	22.69	22.66	22.85
	64QAM	1	0	21.50	21.36	21.30	20.20	20.06	20.00	22.20	22.06	22.00
		1	25	21.78	21.71	21.80	20.48	20.41	20.50	22.48	22.41	22.50
		1	49	21.38	21.43	21.32	20.08	20.13	20.02	22.08	22.13	22.02
		25	0	21.26	21.18	21.37	19.96	19.88	20.07	21.96	21.88	22.07
		25	13	21.20	21.07	21.06	19.90	19.77	19.76	21.90	21.77	21.76
		25	25	20.94	21.17	20.84	19.64	19.87	19.54	21.64	21.87	21.54
		50	0	20.98	21.22	21.07	19.68	19.92	19.77	21.68	21.92	21.77



BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				37825/ 2577.5	38000/ 2595	38175/ 2612.5	37825/ 2577.5	38000/ 2595	38175/ 2612.5	37825/ 2577.5	38000/ 2595	38175/ 2612.5
15MHz	QPSK	1	0	24.36	23.60	23.75	23.06	22.3	22.45	25.06	24.3	24.45
		1	38	24.06	23.94	23.75	22.76	22.64	22.45	24.76	24.64	24.45
		1	74	23.68	23.75	23.65	22.38	22.45	22.35	24.38	24.45	24.35
		36	0	23.41	23.52	23.42	22.11	22.22	22.12	24.11	24.22	24.12
		36	18	23.07	23.05	22.87	21.77	21.75	21.57	23.77	23.75	23.57
		36	39	22.85	22.90	22.77	21.55	21.60	21.47	23.55	23.60	23.47
		75	0	22.98	22.88	22.82	21.68	21.58	21.52	23.68	23.58	23.52
	16QAM	1	0	22.48	22.33	22.44	21.18	21.03	21.14	23.18	23.03	23.14
		1	38	22.76	22.69	22.71	21.46	21.39	21.41	23.46	23.39	23.41
		1	74	22.19	22.21	22.21	20.89	20.91	20.91	22.89	22.91	22.91
		36	0	21.98	21.97	22.16	20.68	20.67	20.86	22.68	22.67	22.86
		36	18	22.06	22.05	21.89	20.76	20.75	20.59	22.76	22.75	22.59
		36	39	21.84	21.99	21.85	20.54	20.69	20.55	22.54	22.69	22.55
		75	0	21.96	21.91	22.11	20.66	20.61	20.81	22.66	22.61	22.81
	64QAM	1	0	21.45	21.34	21.28	20.15	20.04	19.98	22.15	22.04	21.98
		1	38	21.76	21.68	21.78	20.46	20.38	20.48	22.46	22.38	22.48
		1	74	21.39	21.42	21.33	20.09	20.12	20.03	22.09	22.12	22.03
		36	0	21.25	21.20	21.38	19.95	19.90	20.08	21.95	21.90	22.08
		36	18	21.18	21.04	21.05	19.88	19.74	19.75	21.88	21.74	21.75
		36	39	20.92	21.13	20.81	19.62	19.83	19.51	21.62	21.83	21.51
		75	0	20.95	21.17	21.03	19.65	19.87	19.73	21.65	21.87	21.73
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				37850/ 2580	38000/ 2595	38150/ 2610	37850/ 2580	38000/ 2595	38150/ 2610	37850/ 2580	38000/ 2595	38150/ 2610
20MHz	QPSK	1	0	24.33	23.56	23.72	23.03	22.26	22.42	25.03	24.26	24.42
		1	50	24.05	23.90	23.73	22.75	22.60	22.43	24.75	24.60	24.43
		1	99	23.66	23.74	23.62	22.36	22.44	22.32	24.36	24.44	24.32
		50	0	23.38	23.47	23.38	22.08	22.17	22.08	24.08	24.17	24.08
		50	25	23.05	23.01	22.84	21.75	21.71	21.54	23.75	23.71	23.54
		50	50	22.82	22.85	22.73	21.52	21.55	21.43	23.52	23.55	23.43
		100	0	22.95	22.83	22.78	21.65	21.53	21.48	23.65	23.53	23.48
	16QAM	1	0	22.45	22.29	22.39	21.15	20.99	21.09	23.15	22.99	23.09
		1	50	22.73	22.67	22.67	21.43	21.37	21.37	23.43	23.37	23.37
		1	99	22.16	22.18	22.19	20.86	20.88	20.89	22.86	22.88	22.89



		50	0	21.95	21.93	22.13	20.65	20.63	20.83	22.65	22.63	22.83
		50	25	22.03	22.03	21.86	20.73	20.73	20.56	22.73	22.73	22.56
		50	50	21.81	21.94	21.81	20.51	20.64	20.51	22.51	22.64	22.51
		100	0	21.94	21.87	22.08	20.64	20.57	20.78	22.64	22.57	22.78
	64QAM	1	0	21.43	21.30	21.23	20.13	20.00	19.93	22.13	22.00	21.93
		1	50	21.72	21.66	21.74	20.42	20.36	20.44	22.42	22.36	22.44
		1	99	21.33	21.36	21.27	20.03	20.06	19.97	22.03	22.06	21.97
		50	0	21.20	21.12	21.31	19.90	19.82	20.01	21.90	21.82	22.01
		50	25	21.14	21.00	20.99	19.84	19.70	19.69	21.84	21.70	21.69
		50	50	20.89	21.08	20.77	19.59	19.78	19.47	21.59	21.78	21.47
		100	0	20.93	21.13	21.00	19.63	19.83	19.70	21.63	21.83	21.70

LTE Band 41				Maximum Output Power(dBm)			Low Antenna EIRP (dBm)			Upper Antenna EIRP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				40065/2 537.5	40640/2 595	41215/2 652.5	40065/2 537.5	40640/2 595	41215/2 652.5	40065/2 537.5	40640/2 595	41215/2 652.5
5MHz	QPSK	1	0	23.48	22.95	23.03	23.48	21.65	21.03	24.18	23.65	23.53
		1	13	23.40	23.14	23.32	23.40	21.84	21.32	24.10	23.84	23.82
		1	24	22.93	22.90	22.83	22.93	21.60	20.83	23.63	23.60	23.33
		12	0	22.52	22.40	22.60	22.52	21.10	20.60	23.22	23.10	23.10
		12	6	22.34	22.23	22.35	22.34	20.93	20.35	23.04	22.93	22.85
		12	13	22.45	22.10	22.23	22.45	20.80	20.23	23.15	22.80	22.73
		25	0	22.40	22.23	22.36	22.40	20.93	20.36	23.10	22.93	22.86
	16QAM	1	0	21.86	21.70	21.85	21.86	20.40	19.85	22.56	22.40	22.35
		1	13	22.03	21.67	21.89	22.03	20.37	19.89	22.73	22.37	22.39
		1	24	21.38	21.48	21.47	21.38	20.18	19.47	22.08	22.18	21.97
		12	0	21.36	21.06	21.27	21.36	19.76	19.27	22.06	21.76	21.77
		12	6	21.29	21.19	21.26	21.29	19.89	19.26	21.99	21.89	21.76
		12	13	21.26	21.11	21.16	21.26	19.81	19.16	21.96	21.81	21.66
		25	0	21.33	21.15	21.24	21.33	19.85	19.24	22.03	21.85	21.74
	64QAM	1	0	20.75	20.55	20.25	20.75	19.25	18.25	21.45	21.25	20.75
		1	13	20.92	20.66	20.58	20.92	19.36	18.58	21.62	21.36	21.08
		1	24	20.54	20.53	20.45	20.54	19.23	18.45	21.24	21.23	20.95
		12	0	20.35	20.10	20.33	20.35	18.80	18.33	21.05	20.80	20.83
		12	6	20.31	20.21	20.31	20.31	18.91	18.31	21.01	20.91	20.81
		12	13	20.18	20.09	20.16	20.18	18.79	18.16	20.88	20.79	20.66



BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)									
				40090/2	40640/2	41190/2	40090/2	40640/2	41190/2	40090/2	40640/2	41190/2	
				540	595	650	540	595	650	540	595	650	
		25	0	20.45	20.20	20.39	20.45	18.90	18.39	21.15	20.90	20.89	
10MHz	QPSK	1	0	23.50	22.96	23.06	23.50	21.66	21.06	24.20	23.66	23.56	
		1	25	23.43	23.19	23.36	23.43	21.89	21.36	24.13	23.89	23.86	
		1	49	22.95	22.94	22.86	22.95	21.64	20.86	23.65	23.64	23.36	
		25	0	22.55	22.45	22.64	22.55	21.15	20.64	23.25	23.15	23.14	
		25	13	22.37	22.28	22.39	22.37	20.98	20.39	23.07	22.98	22.89	
		25	25	22.47	22.14	22.28	22.47	20.84	20.28	23.17	22.84	22.78	
		50	0	22.44	22.25	22.40	22.44	20.95	20.40	23.14	22.95	22.90	
	16QAM	1	0	21.90	21.73	21.87	21.90	20.43	19.87	22.60	22.43	22.37	
		1	25	22.07	21.71	21.92	22.07	20.41	19.92	22.77	22.41	22.42	
		1	49	21.41	21.50	21.50	21.41	20.20	19.50	22.11	22.20	22.00	
		25	0	21.39	21.11	21.31	21.39	19.81	19.31	22.09	21.81	21.81	
		25	13	21.31	21.23	21.29	21.31	19.93	19.29	22.01	21.93	21.79	
		25	25	21.29	21.16	21.20	21.29	19.86	19.20	21.99	21.86	21.70	
		50	0	21.36	21.20	21.28	21.36	19.90	19.28	22.06	21.90	21.78	
	64QAM	1	0	20.77	20.54	20.27	20.77	19.24	18.27	21.47	21.24	20.77	
		1	25	20.95	20.66	20.61	20.95	19.36	18.61	21.65	21.36	21.11	
		1	49	20.53	20.55	20.48	20.53	19.25	18.48	21.23	21.25	20.98	
		25	0	20.38	20.15	20.33	20.38	18.85	18.33	21.08	20.85	20.83	
		25	13	20.33	20.25	20.34	20.33	18.95	18.34	21.03	20.95	20.84	
		25	25	20.21	20.14	20.20	20.21	18.84	18.20	20.91	20.84	20.70	
		50	0	20.48	20.25	20.43	20.48	18.95	18.43	21.18	20.95	20.93	
	BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
					40115/2	40640/2	41165/2	40115/2	40640/2	41165/2	40115/2	40640/2	41165/2
					542.5	595	647.5	542.5	595	647.5	542.5	595	647.5
15MHz	QPSK	1	0	23.49	22.92	23.04	23.49	21.62	21.04	24.19	23.62	23.54	
		1	38	23.41	23.18	23.33	23.41	21.88	21.33	24.11	23.88	23.83	
		1	74	22.92	22.89	22.82	22.92	21.59	20.82	23.62	23.59	23.32	
		36	0	22.53	22.41	22.61	22.53	21.11	20.61	23.23	23.11	23.11	
		36	18	22.34	22.23	22.35	22.34	20.93	20.35	23.04	22.93	22.85	
		36	39	22.44	22.11	22.24	22.44	20.81	20.24	23.14	22.81	22.74	
		75	0	22.42	22.21	22.35	22.42	20.91	20.35	23.12	22.91	22.85	
	16QAM	1	0	21.88	21.71	21.85	21.88	20.41	19.85	22.58	22.41	22.35	
		1	38	22.05	21.68	21.90	22.05	20.38	19.90	22.75	22.38	22.40	



		1	74	21.39	21.46	21.47	21.39	20.16	19.47	22.09	22.16	21.97
		36	0	21.36	21.09	21.28	21.36	19.79	19.28	22.06	21.79	21.78
		36	18	21.28	21.18	21.25	21.28	19.88	19.25	21.98	21.88	21.75
		36	39	21.27	21.12	21.17	21.27	19.82	19.17	21.97	21.82	21.67
		75	0	21.33	21.15	21.24	21.33	19.85	19.24	22.03	21.85	21.74
	64QAM	1	0	20.72	20.52	20.25	20.72	19.22	18.25	21.42	21.22	20.75
		1	38	20.93	20.63	20.59	20.93	19.33	18.59	21.63	21.33	21.09
		1	74	20.54	20.54	20.49	20.54	19.24	18.49	21.24	21.24	20.99
		36	0	20.37	20.17	20.34	20.37	18.87	18.34	21.07	20.87	20.84
		36	18	20.31	20.22	20.33	20.31	18.92	18.33	21.01	20.92	20.83
		36	39	20.19	20.10	20.17	20.19	18.80	18.17	20.89	20.80	20.67
		75	0	20.45	20.20	20.39	20.45	18.90	18.39	21.15	20.90	20.89
	BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)							
40140/2 545					40640/2 595	41140/2 645	40140/2 545	40640/2 595	41140/2 645	40140/2 545	40640/2 595	41140/2 645
20MHz	QPSK	1	0	23.46	22.88	23.01	23.46	21.58	21.01	24.16	23.58	23.51
		1	50	23.40	23.14	23.31	23.40	21.84	21.31	24.10	23.84	23.81
		1	99	22.90	22.88	22.79	22.90	21.58	20.79	23.60	23.58	23.29
		50	0	22.50	22.36	22.57	22.50	21.06	20.57	23.20	23.06	23.07
		50	25	22.32	22.19	22.32	22.32	20.89	20.32	23.02	22.89	22.82
		50	50	22.41	22.06	22.20	22.41	20.76	20.20	23.11	22.76	22.70
		100	0	22.39	22.16	22.31	22.39	20.86	20.31	23.09	22.86	22.81
	16QAM	1	0	21.85	21.67	21.80	21.85	20.37	19.80	22.55	22.37	22.30
		1	50	22.02	21.66	21.86	22.02	20.36	19.86	22.72	22.36	22.36
		1	99	21.36	21.43	21.45	21.36	20.13	19.45	22.06	22.13	21.95
		50	0	21.33	21.05	21.25	21.33	19.75	19.25	22.03	21.75	21.75
		50	25	21.25	21.16	21.22	21.25	19.86	19.22	21.95	21.86	21.72
		50	50	21.24	21.07	21.13	21.24	19.77	19.13	21.94	21.77	21.63
		100	0	21.31	21.11	21.21	21.31	19.81	19.21	22.01	21.81	21.71
	64QAM	1	0	20.70	20.48	20.20	20.70	19.18	18.20	21.40	21.18	20.70
		1	50	20.89	20.61	20.55	20.89	19.31	18.55	21.59	21.31	21.05
		1	99	20.48	20.48	20.43	20.48	19.18	18.43	21.18	21.18	20.93
		50	0	20.32	20.09	20.27	20.32	18.79	18.27	21.02	20.79	20.77
		50	25	20.27	20.18	20.27	20.27	18.88	18.27	20.97	20.88	20.77
		50	50	20.16	20.05	20.13	20.16	18.75	18.13	20.86	20.75	20.63
		100	0	20.43	20.16	20.36	20.43	18.86	18.36	21.13	20.86	20.86

6.2 Occupied Bandwidth

Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth(MHz)
WCDMA Band IV (RMC)	1312	1712.4	4.1316	4.692
	1413	1732.6	4.1270	4.709
	1513	1752.6	4.1332	4.728

LTE Band 4						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	19957	1710.7	1.094	1.279
			20175	1732.5	1.095	1.301
			20393	1754.3	1.097	1.322
		3	19965	1711.5	2.704	2.974
			20175	1732.5	2.717	2.992
			20385	1753.5	2.702	2.993
		5	19975	1712.5	4.509	4.980
			20175	1732.5	4.500	4.942
			20375	1752.5	4.512	4.981
		10	20000	1715	8.976	9.827
			20175	1732.5	8.954	9.757
			20350	1750	8.966	9.807
		15	20025	1717.5	13.442	14.569
			20175	1732.5	13.399	14.545
			20325	1747.5	13.431	14.553
		20	20050	1720	17.928	19.385
			20175	1732.5	17.866	19.163
			20300	1745	17.917	19.350
	16QAM	1.4	19957	1710.7	1.095	1.278
			20175	1732.5	1.093	1.284
			20393	1754.3	1.103	1.301
		3	19965	1711.5	2.697	2.982
			20175	1732.5	2.701	2.985
			20385	1753.5	2.696	2.981
5		19975	1712.5	4.505	4.931	
		20175	1732.5	4.521	4.944	
		20375	1752.5	4.519	4.983	
10		20000	1715	9.001	9.781	



			20175	1732.5	8.969	9.729	
			20350	1750	8.992	9.835	
			20025	1717.5	13.386	14.585	
		15	20175	1732.5	13.418	14.487	
			20325	1747.5	13.438	14.544	
			20050	1720	17.890	19.195	
		20	20175	1732.5	17.879	19.331	
			20300	1745	17.926	19.397	
			19957	1710.7	1.092	1.283	
		64QAM	1.4	20175	1732.5	1.099	1.305
				20393	1754.3	1.091	1.282
				19965	1711.5	2.702	2.961
			3	20175	1732.5	2.700	2.990
				20385	1753.5	2.696	2.962
				19975	1712.5	4.501	4.898
	5		20175	1732.5	4.500	4.971	
			20375	1752.5	4.498	5.021	
			20000	1715	9.013	9.830	
	10		20175	1732.5	8.965	9.705	
			20350	1750	8.957	9.821	
			20025	1717.5	13.406	14.571	
	15		20175	1732.5	13.407	14.549	
			20325	1747.5	13.389	14.574	
			20050	1720	17.958	19.300	
	20		20175	1732.5	17.908	19.396	
			20300	1745	17.928	19.351	

LTE Band 7						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	20775	2502.5	4.488	4.905
			21100	2535	4.505	4.935
			21425	2567.5	4.499	4.962
		10	20800	2505	8.965	9.837
			21100	2535	8.948	9.778
			21400	2565	8.960	9.905
		15	20825	2507.5	13.426	14.545
			21100	2535	13.439	14.398
			21375	2562.5	13.466	14.699
		20	20850	2510	17.873	19.311



			21100	2535	17.929	19.280	
			21350	2560	17.951	19.245	
			20775	2502.5	4.516	4.945	
	16QAM	5		21100	2535	4.508	4.990
				21425	2567.5	4.513	4.996
				20800	2505	8.997	9.731
		10		21100	2535	8.961	9.669
				21400	2565	8.969	9.906
				20825	2507.5	13.451	14.519
		15		21100	2535	13.452	14.532
				21375	2562.5	13.448	14.424
				20850	2510	17.994	19.422
		20		21100	2535	17.882	19.319
				21350	2560	17.854	19.549
				20775	2502.5	4.510	4.962
	64QAM	5		21100	2535	4.498	4.948
				21425	2567.5	4.514	4.947
				20800	2505	8.990	9.754
		10		21100	2535	8.972	9.735
				21400	2565	8.972	9.802
				20825	2507.5	13.421	14.623
		15		21100	2535	13.417	14.593
				21375	2562.5	13.429	14.551
				20850	2510	17.915	19.402
20			21100	2535	17.888	19.235	
			21350	2560	17.896	19.384	

LTE Band 38							
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)	
100%	QPSK	5	37775	2572.5	4.504	4.844	
			38000	2595	4.500	5.100	
			38225	2617.5	4.509	5.000	
		10		37800	2575	8.988	9.590
				38000	2595	8.957	9.894
				38200	2615	8.967	9.905
		15		37825	2577.5	13.454	14.304
				38000	2595	13.453	14.456
				38175	2612.5	13.407	14.613
		20		37850	2580	17.902	19.217



			38000	2595	17.883	19.156
			38150	2610	17.951	19.265
	16QAM	5	37775	2572.5	4.493	4.899
			38000	2595	4.498	5.057
			38225	2617.5	4.500	5.090
		10	37800	2575	8.955	9.752
			38000	2595	8.941	9.787
			38200	2615	8.993	9.991
		15	37825	2577.5	13.453	14.412
			38000	2595	13.467	14.489
			38175	2612.5	13.466	14.649
	20	37850	2580	17.901	19.037	
		38000	2595	17.931	19.345	
		38150	2610	17.974	19.266	
	64QAM	5	37775	2572.5	4.505	4.929
			38000	2595	4.493	4.869
			38225	2617.5	4.502	4.979
		10	37800	2575	8.973	9.701
			38000	2595	8.961	9.776
			38200	2615	8.976	9.875
		15	37825	2577.5	13.472	14.521
			38000	2595	13.489	14.553
			38175	2612.5	13.459	14.507
		20	37850	2580	17.889	19.132
38000			2595	17.831	19.378	
38150			2610	17.864	19.372	

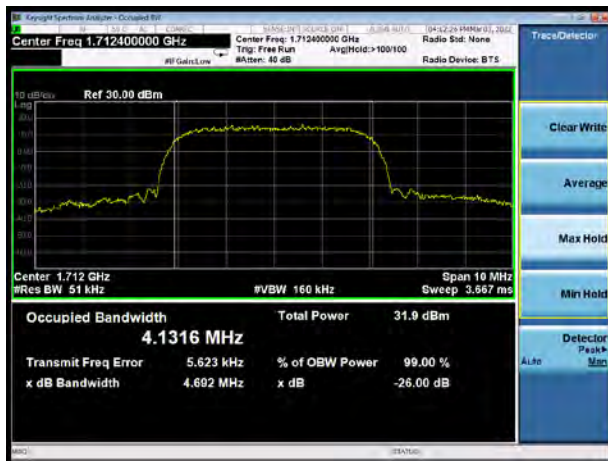
LTE Band 41						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	40065	2537.5	4.492	5.051
			40640	2595	4.489	5.089
			41215	2652.5	4.500	4.879
		10	40090	2540	8.957	9.785
			40640	2595	8.980	9.828
			41190	2650	8.963	9.851
		15	40115	2542.5	13.420	14.698
			40640	2595	13.417	15.208
			41165	2647.5	13.365	15.399
		20	40140	2545	17.927	19.252



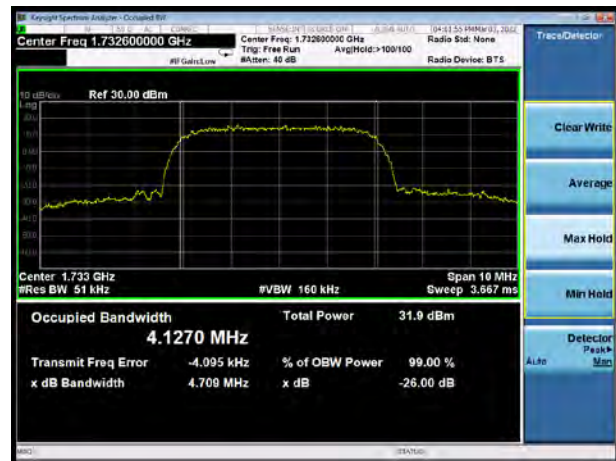
			40640	2595	17.943	19.349	
			41140	2645	17.834	19.653	
	16QAM	5		40065	2537.5	4.489	4.879
				40640	2595	4.508	5.244
				41215	2652.5	4.499	4.843
		10		40090	2540	8.966	9.684
				40640	2595	8.965	10.002
				41190	2650	8.982	9.940
		15		40115	2542.5	13.412	14.610
				40640	2595	13.428	14.371
				41165	2647.5	13.428	14.528
		20		40140	2545	17.821	19.075
				40640	2595	17.861	19.539
				41140	2645	17.887	19.087
	64QAM	5		40065	2537.5	4.495	4.955
				40640	2595	4.490	5.101
				41215	2652.5	4.480	4.954
		10		40090	2540	8.990	10.006
				40640	2595	8.934	9.751
				41190	2650	8.978	9.631
15			40115	2542.5	13.422	14.379	
			40640	2595	13.369	14.464	
			41165	2647.5	13.377	14.916	
20			40140	2545	17.878	19.380	
			40640	2595	17.837	19.341	
			41140	2645	17.858	19.177	



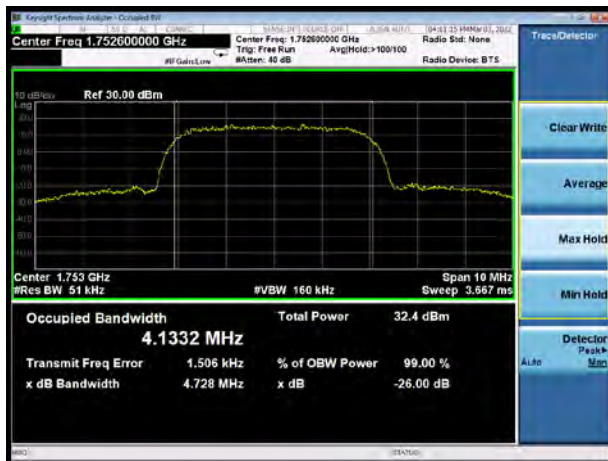
WCDMA Band IV CH-Low



WCDMA Band IV CH Middle

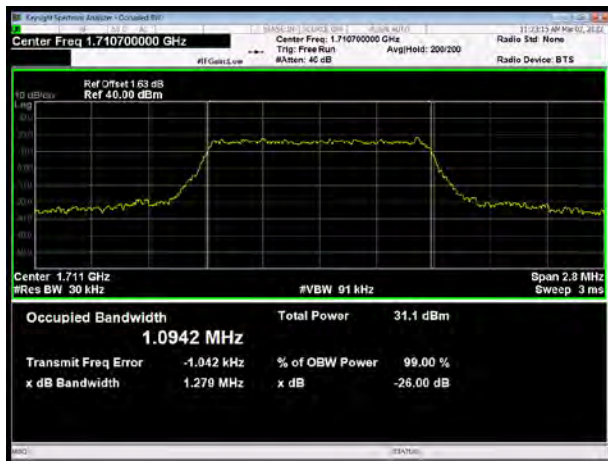


WCDMA Band IV CH High

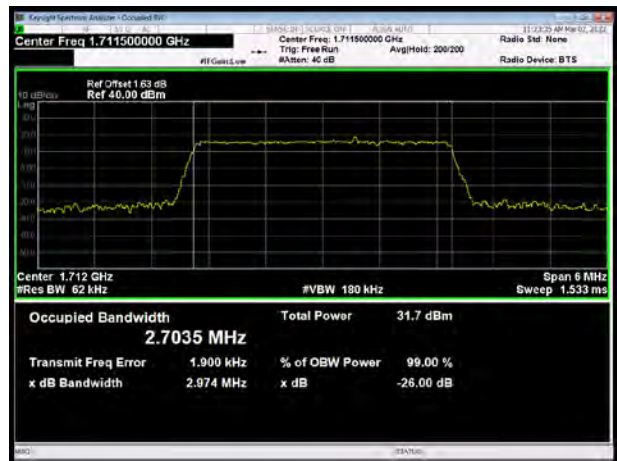




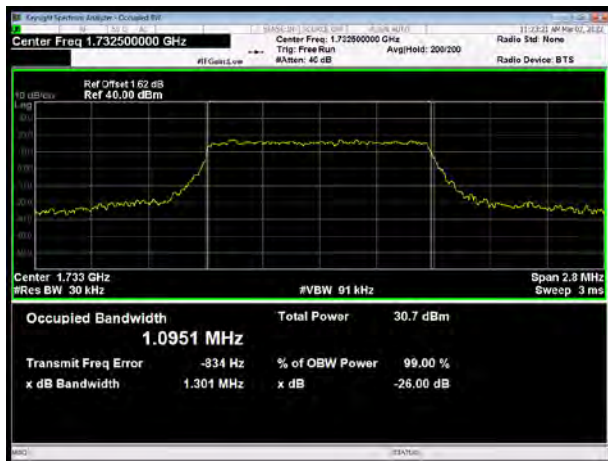
LTE Band 4 QPSK 1.4MHz CH-Low



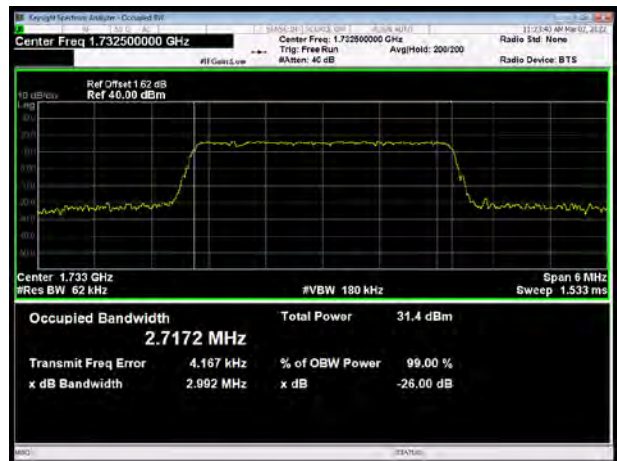
LTE Band 4 QPSK 3MHz CH-Low



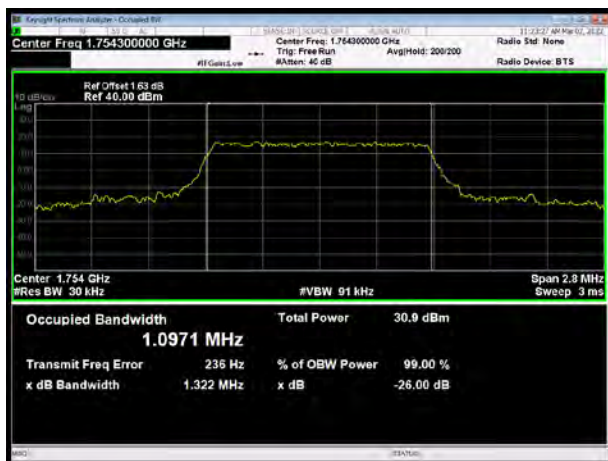
LTE Band 4 QPSK 1.4MHz CH-Middle



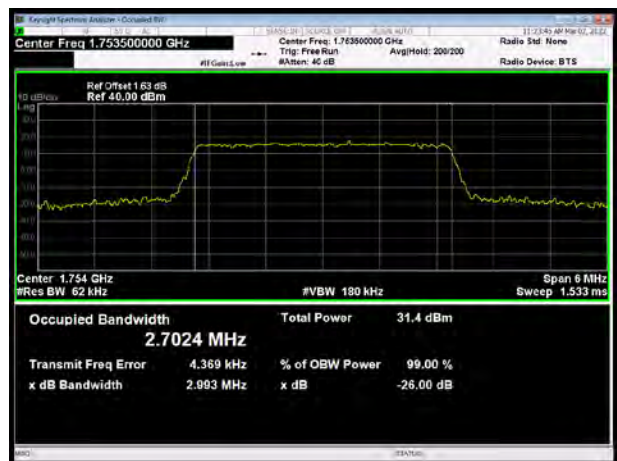
LTE Band 4 QPSK 3MHz CH-Middle



LTE Band 4 QPSK 1.4MHz CH-High

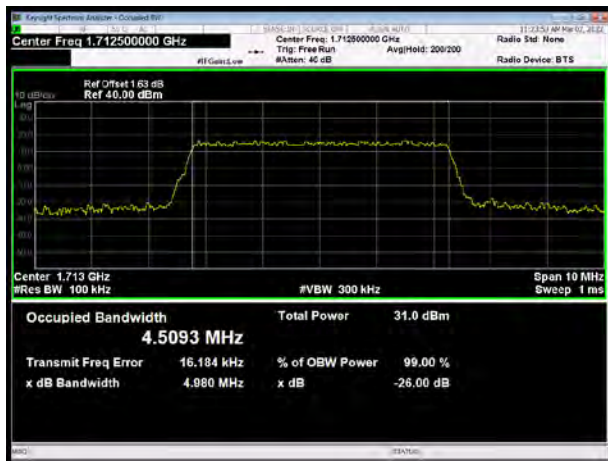


LTE Band 4 QPSK 3MHz CH-High

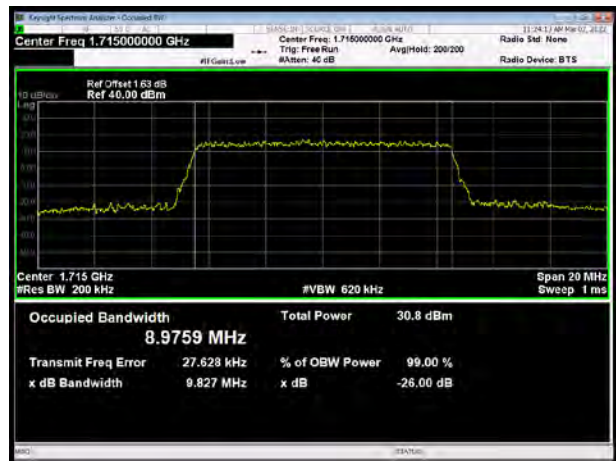




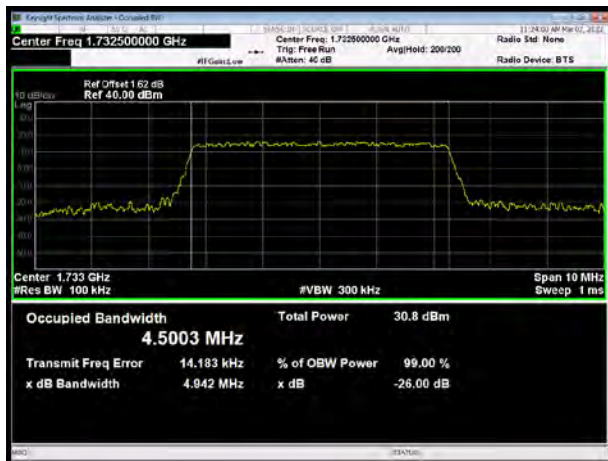
LTE Band 4 QPSK 5MHz CH-Low



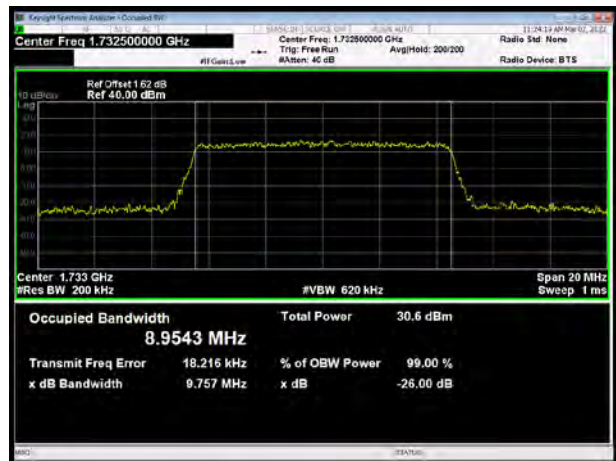
LTE Band 4 QPSK 10MHz CH-Low



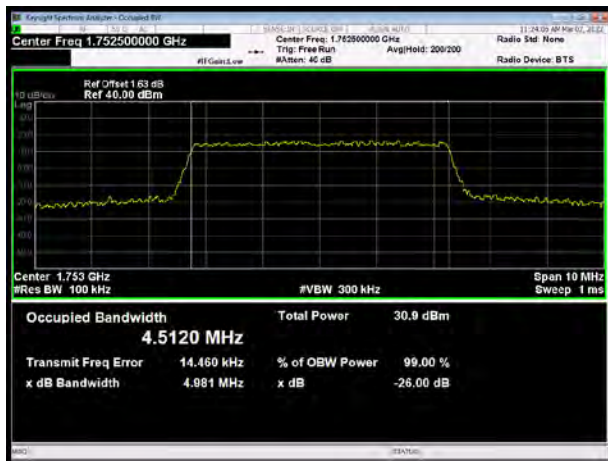
LTE Band 4 QPSK 5MHz CH-Middle



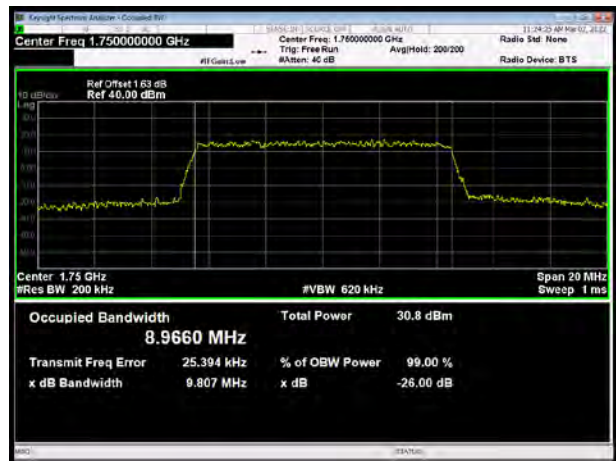
LTE Band 4 QPSK 10MHz CH-Middle



LTE Band 4 QPSK 5MHz CH-High

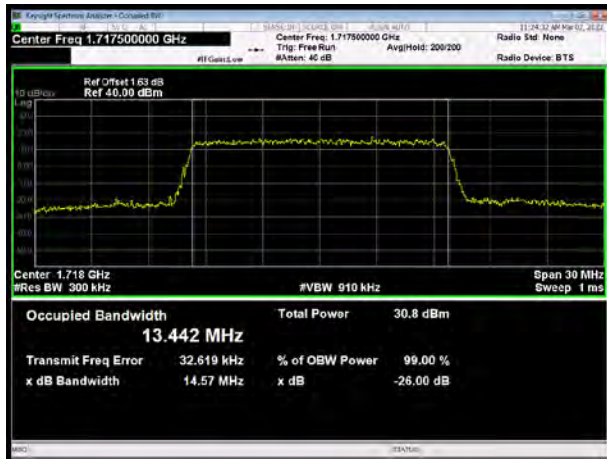


LTE Band 4 QPSK 10MHz CH-High

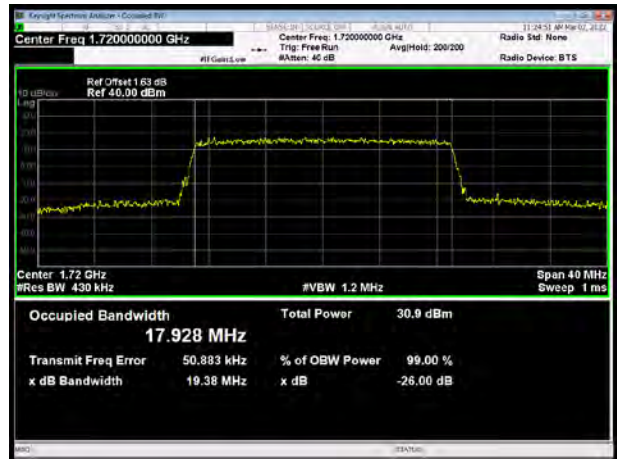




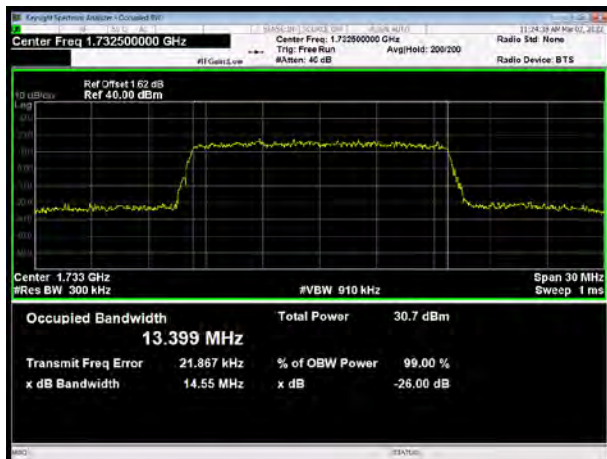
LTE Band 4 QPSK 15MHz CH-Low



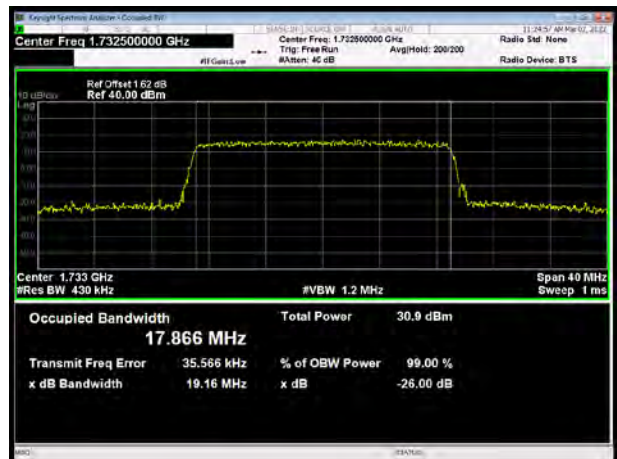
LTE Band 4 QPSK 20MHz CH-Low



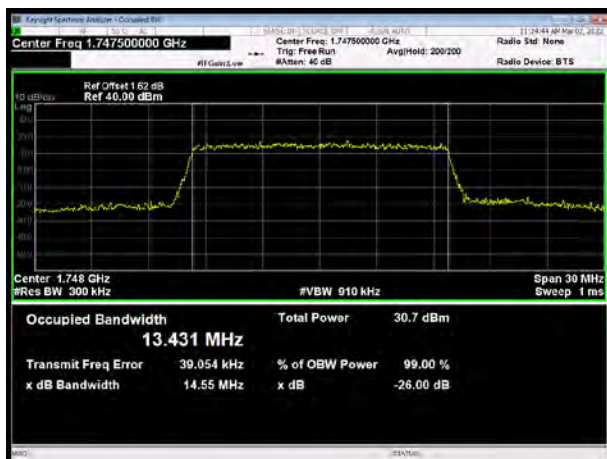
LTE Band 4 QPSK 15MHz CH-Middle



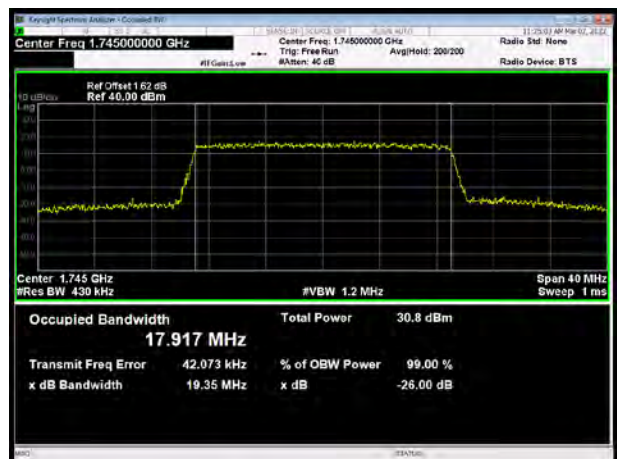
LTE Band 4 QPSK 20MHz CH-Middle



LTE Band 4 QPSK 15MHz CH-High

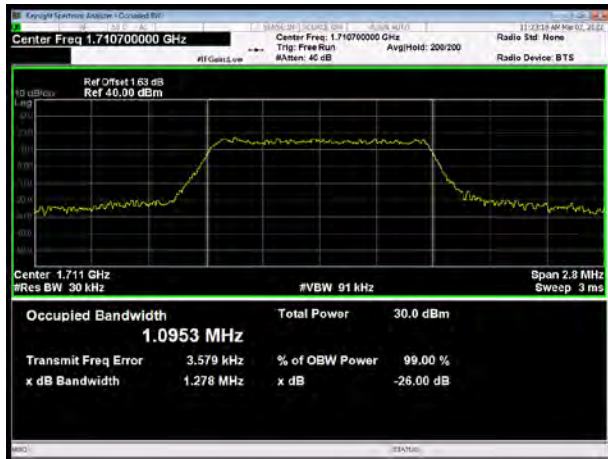


LTE Band 4 QPSK 20MHz CH-High

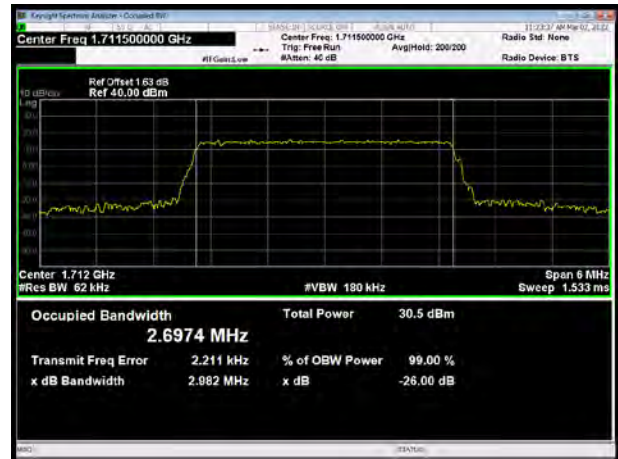




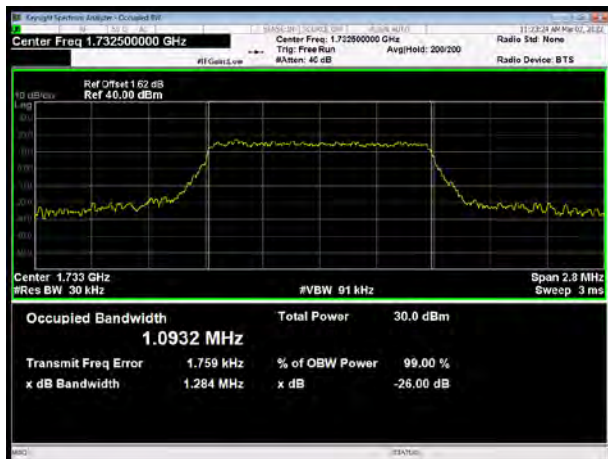
LTE Band 4 16QAM 1.4MHz CH-Low



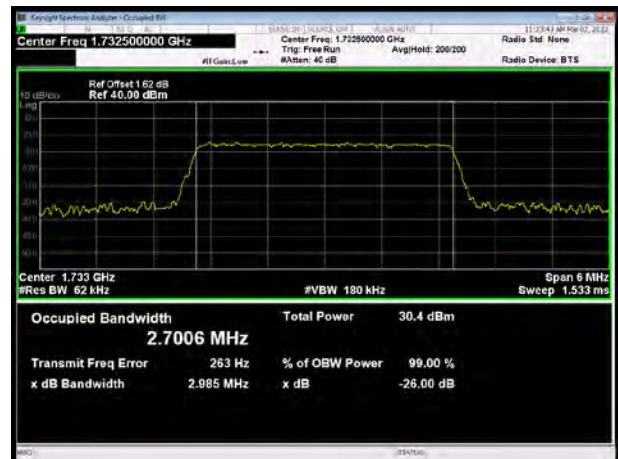
LTE Band 4 16QAM 3MHz CH-Low



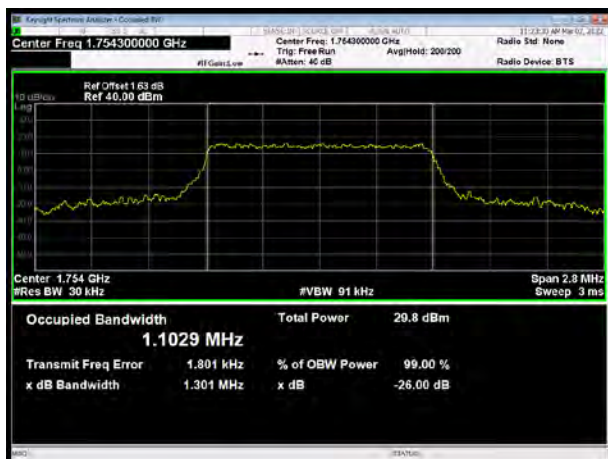
LTE Band 4 16QAM 1.4MHz CH-Middle



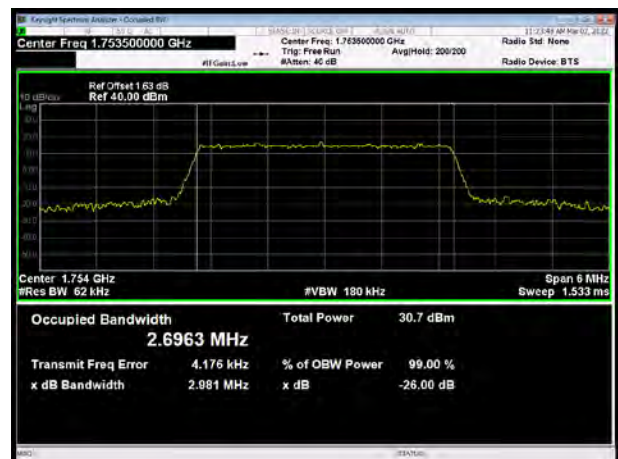
LTE Band 4 16QAM 3MHz CH-Middle



LTE Band 4 16QAM 1.4MHz CH-High

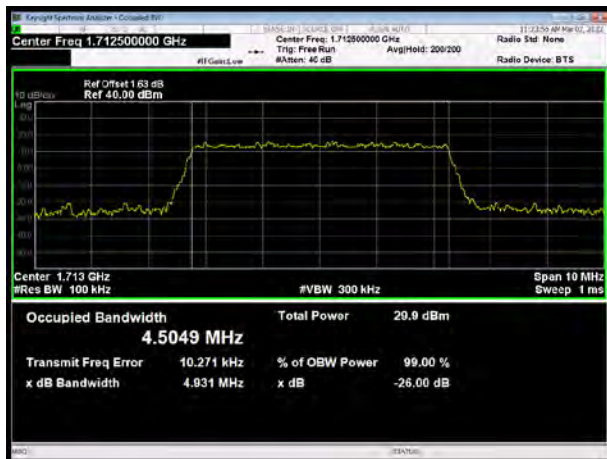


LTE Band 4 16QAM 3MHz CH-High

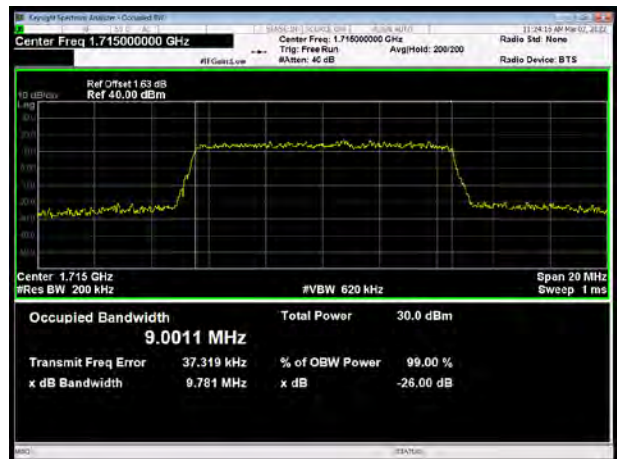




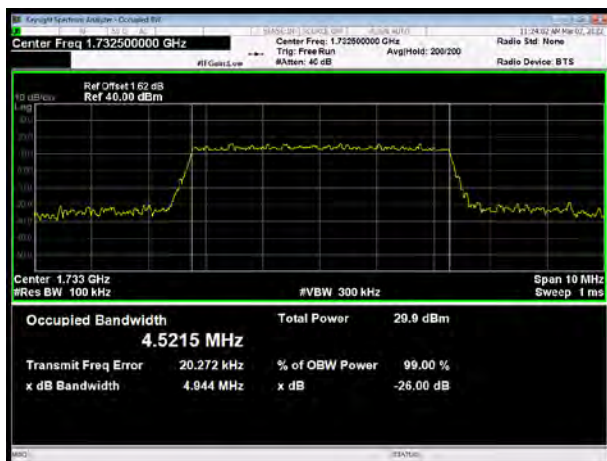
LTE Band 4 16QAM 5MHz CH-Low



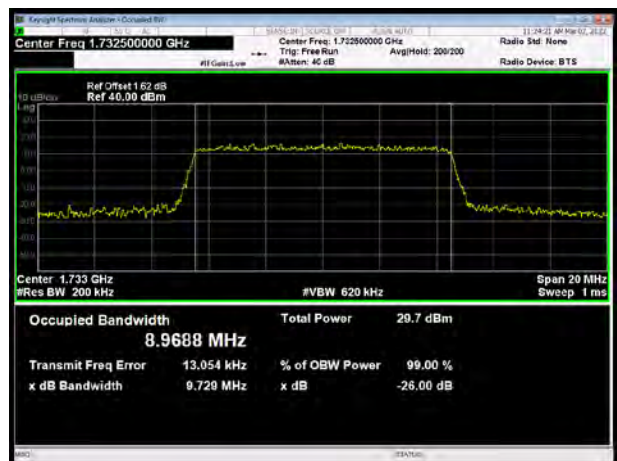
LTE Band 4 16QAM 10MHz CH-Low



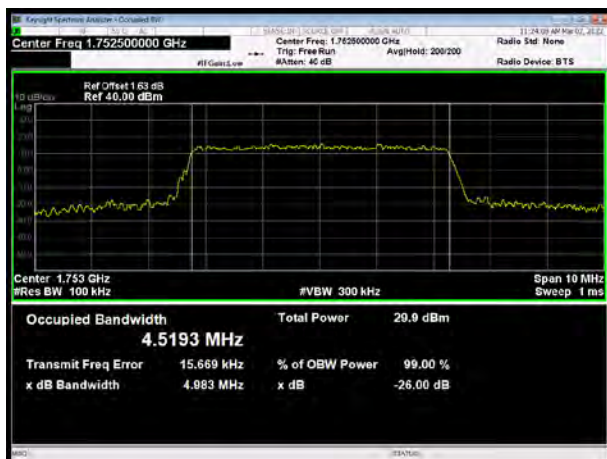
LTE Band 4 16QAM 5MHz CH-Middle



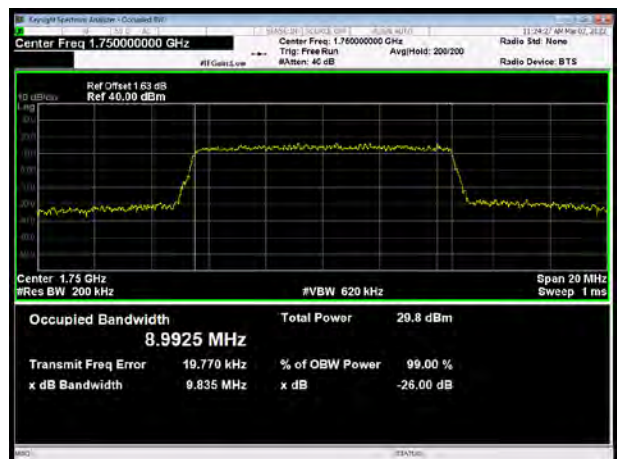
LTE Band 4 16QAM 10MHz CH-Middle



LTE Band 4 16QAM 5MHz CH-High

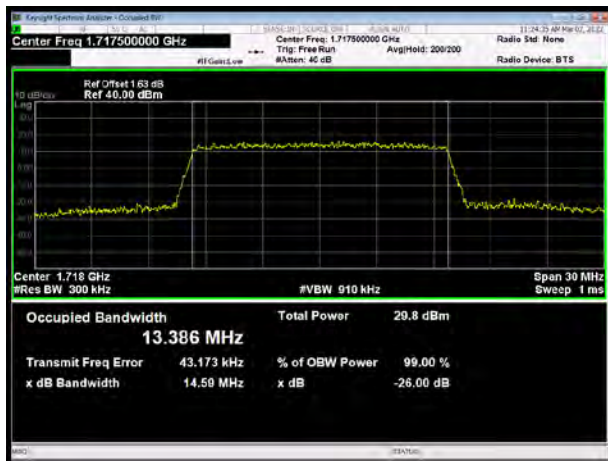


LTE Band 4 16QAM 10MHz CH-High

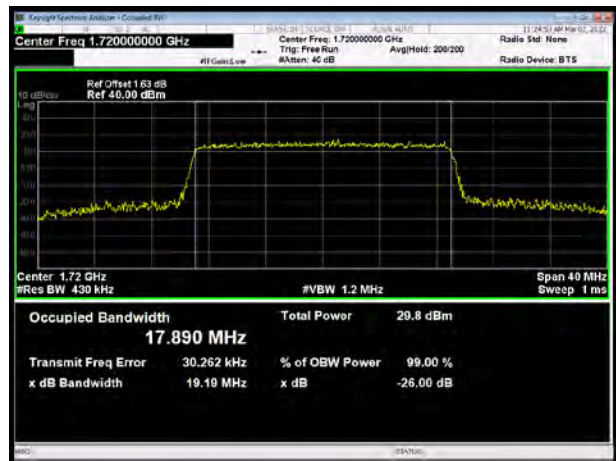




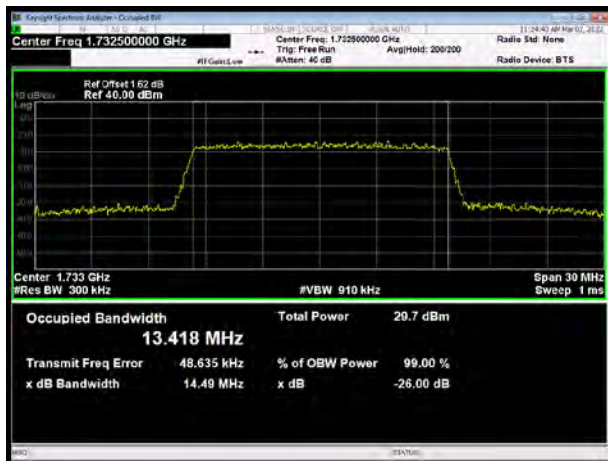
LTE Band 4 16QAM 15MHz CH-Low



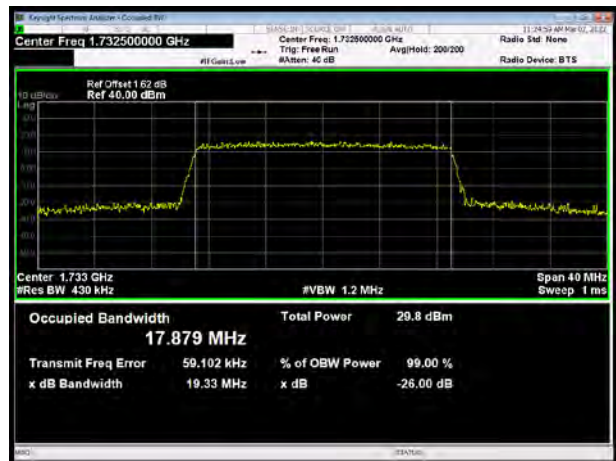
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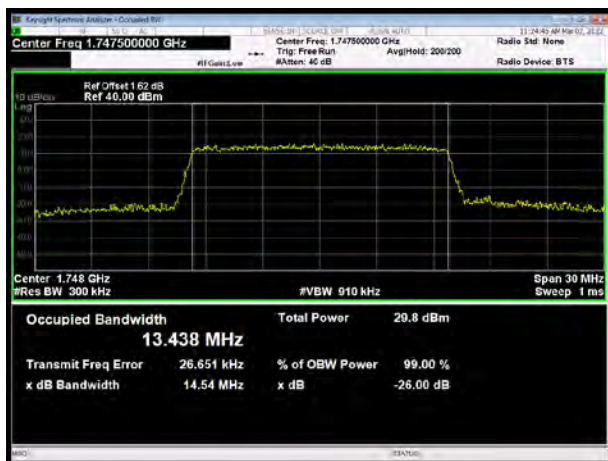
LTE Band 4 16QAM 15MHz CH-Middle



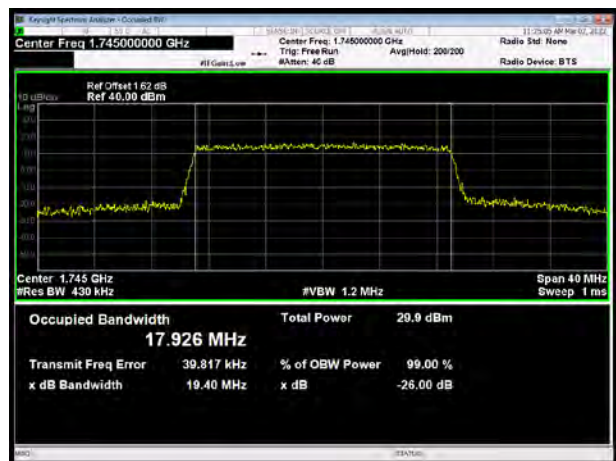
LTE Band 4 16QAM 20MHz CH-Middle

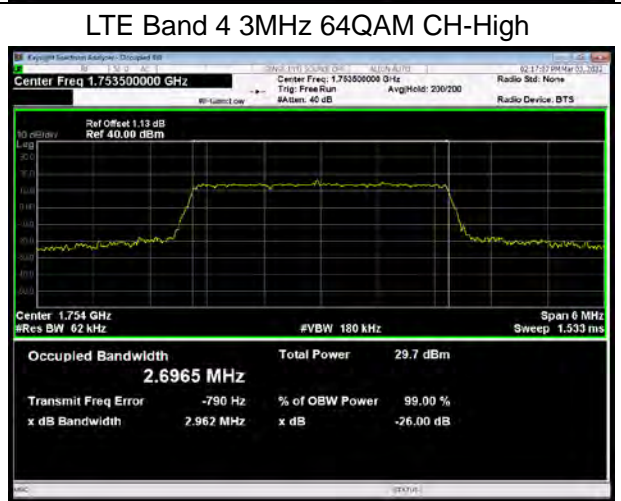
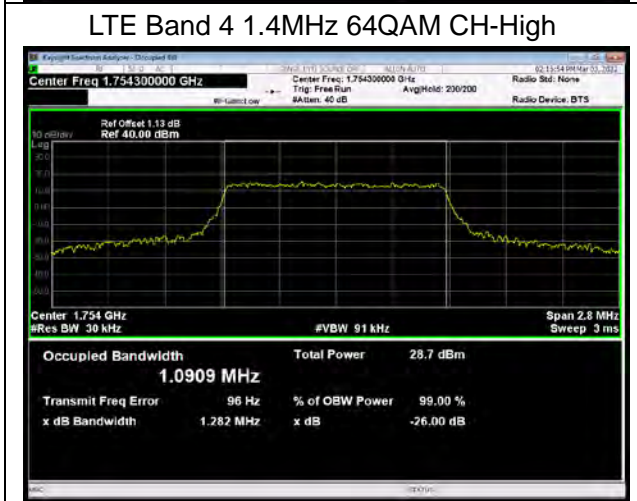
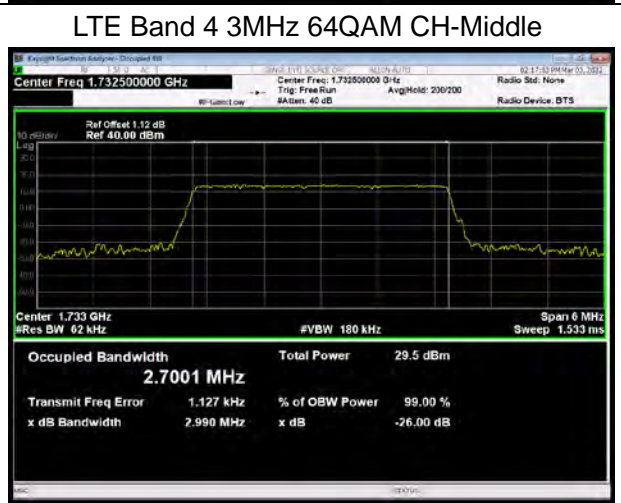
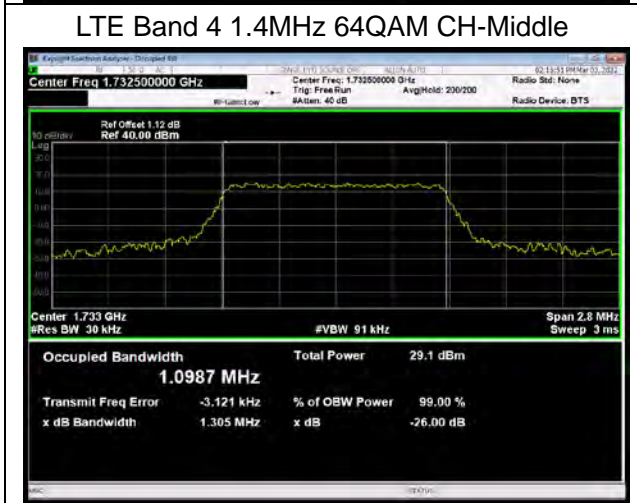
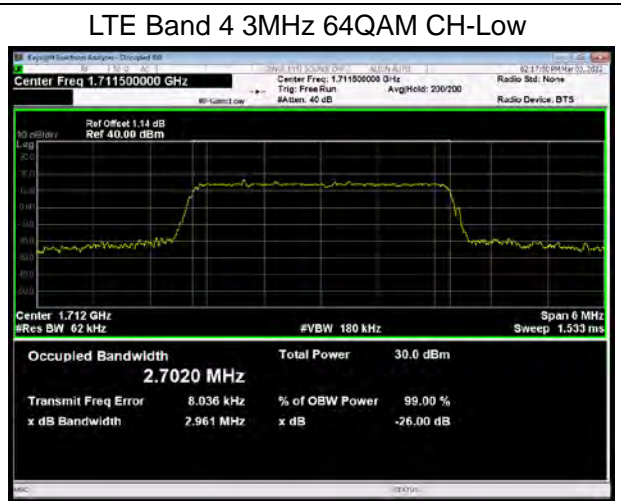
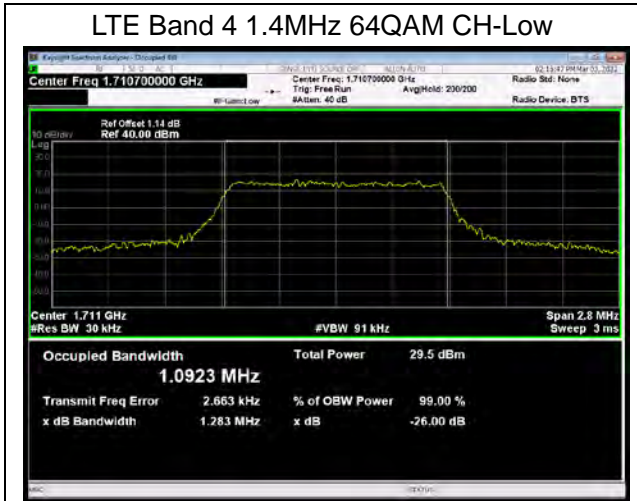


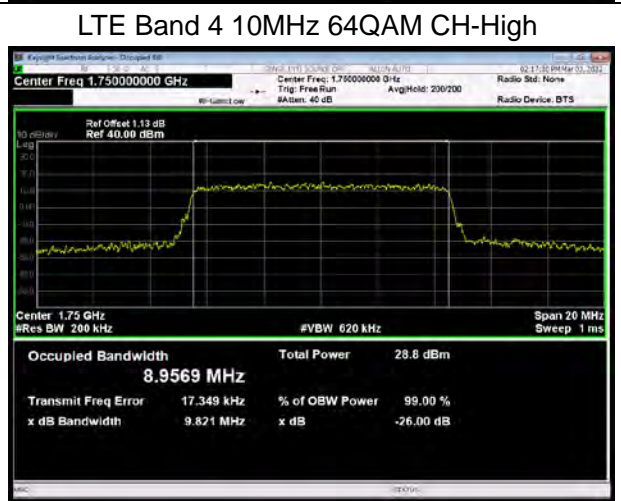
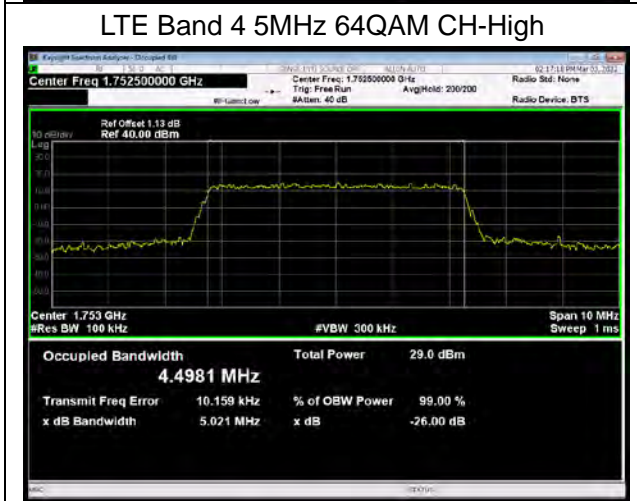
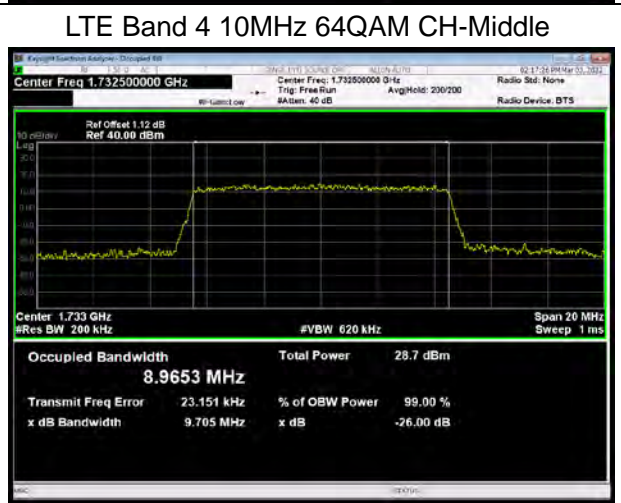
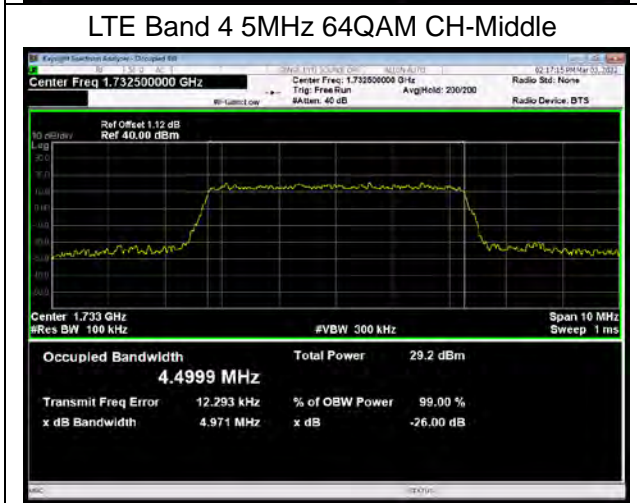
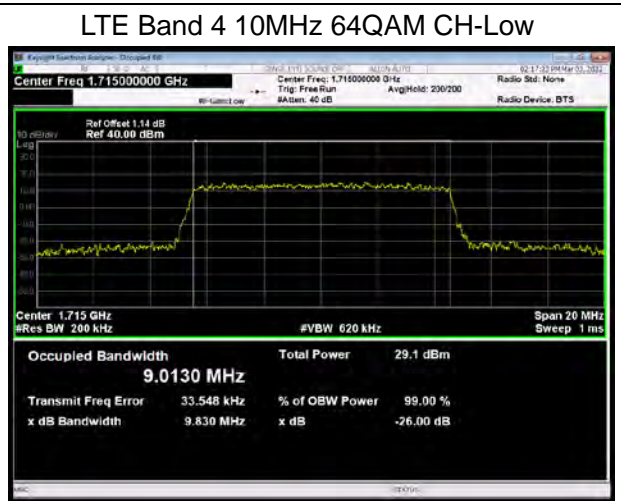
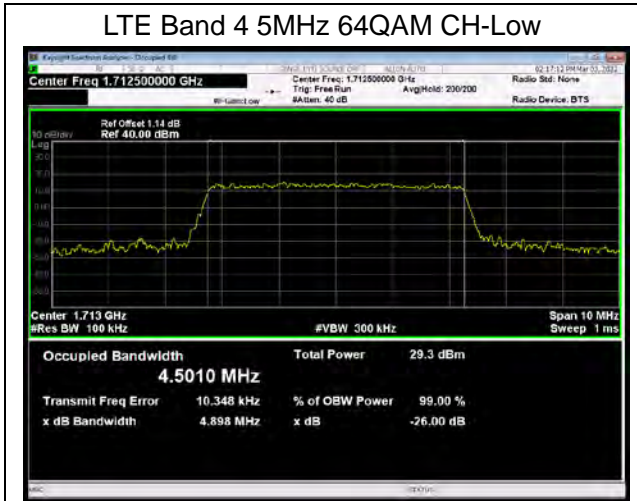
LTE Band 4 16QAM 15MHz CH-High

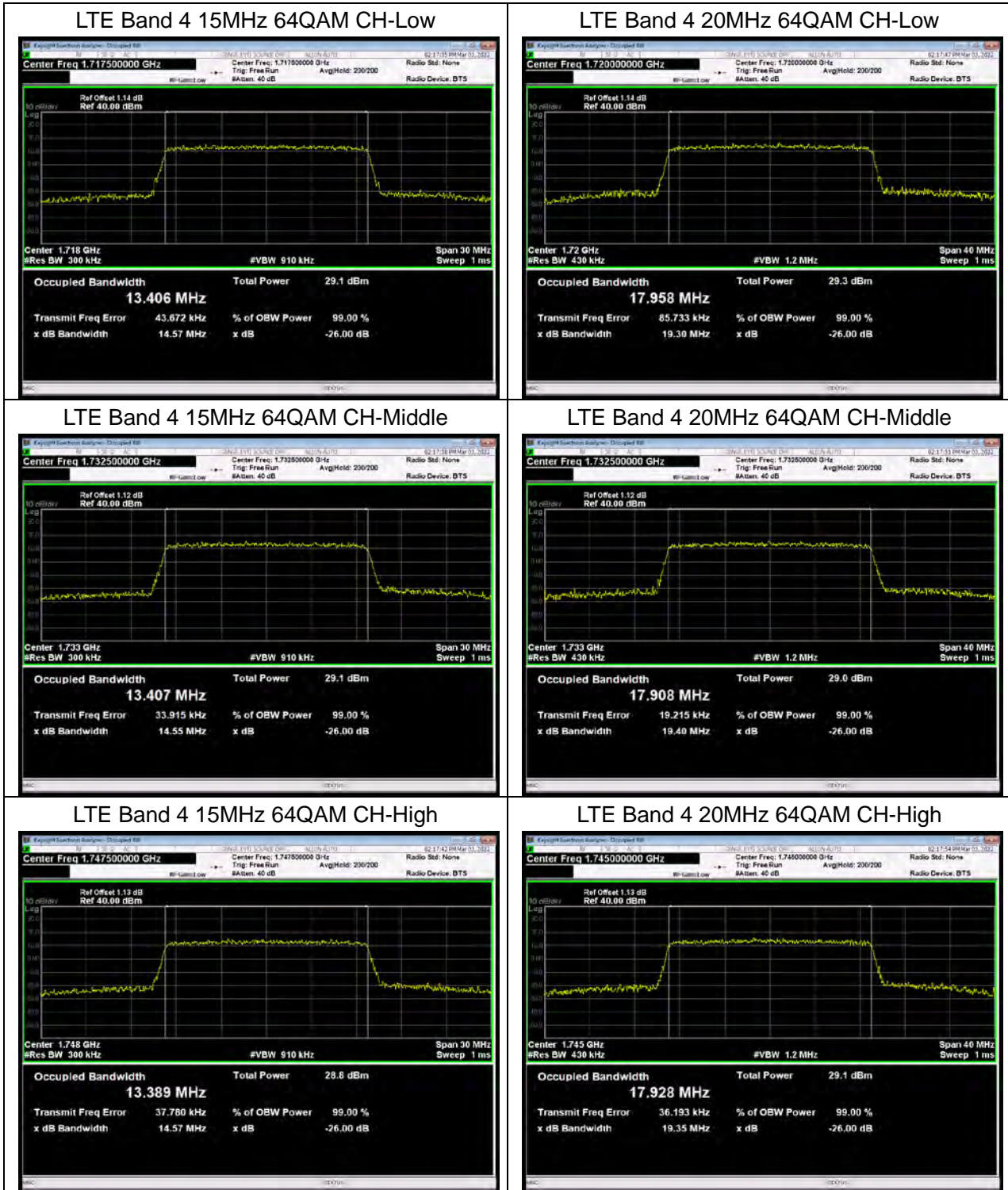


LTE Band 4 16QAM 20MHz CH-High



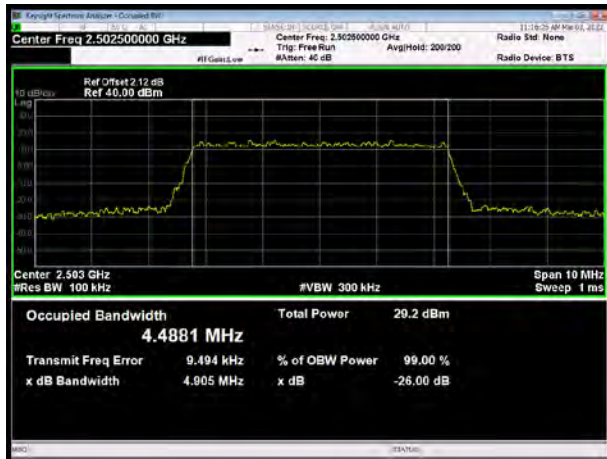




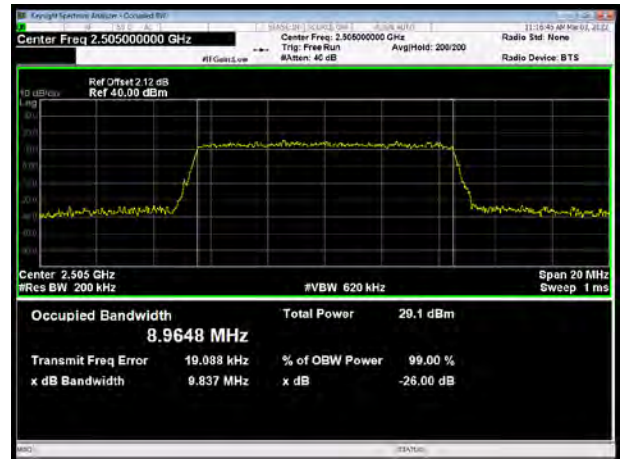




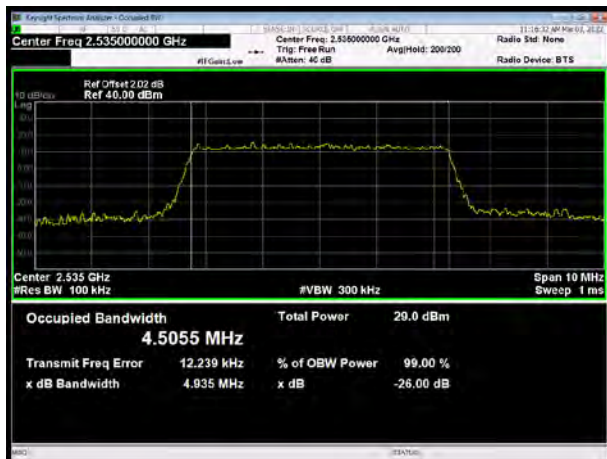
LTE Band 7 QPSK 5MHz CH-Low



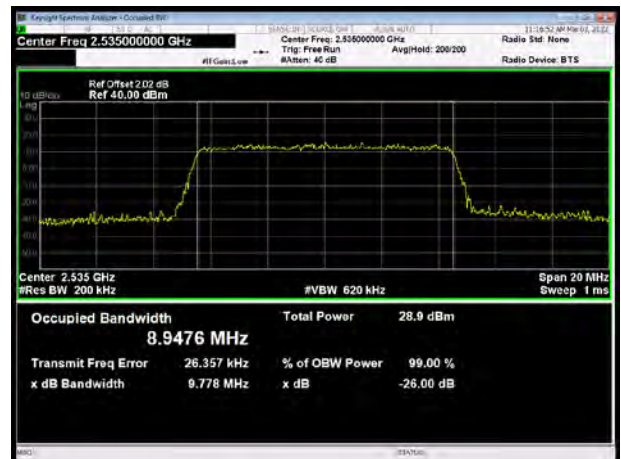
LTE Band 7 QPSK 10MHz CH-Low



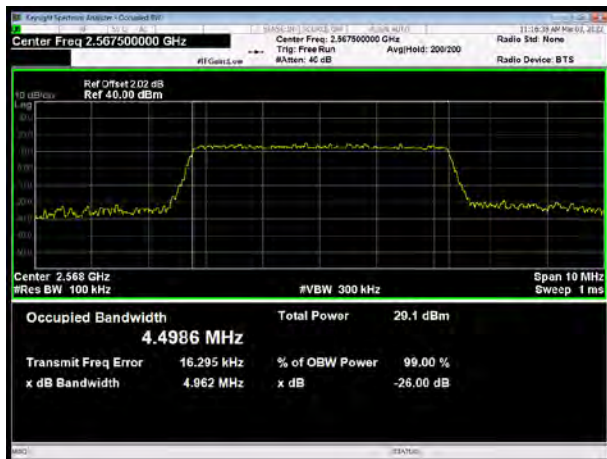
LTE Band 7 QPSK 5MHz CH-Middle



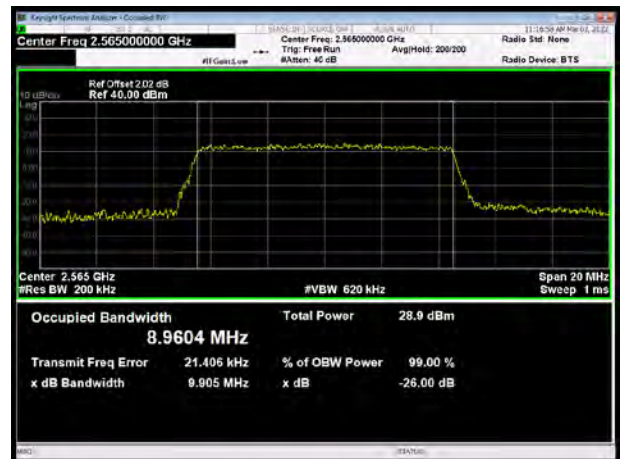
LTE Band 7 QPSK 10MHz CH-Middle



LTE Band 7 QPSK 5MHz CH-High

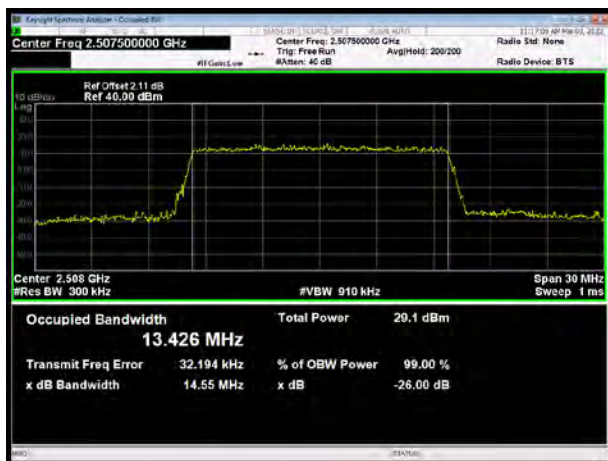


LTE Band 7 QPSK 10MHz CH-High

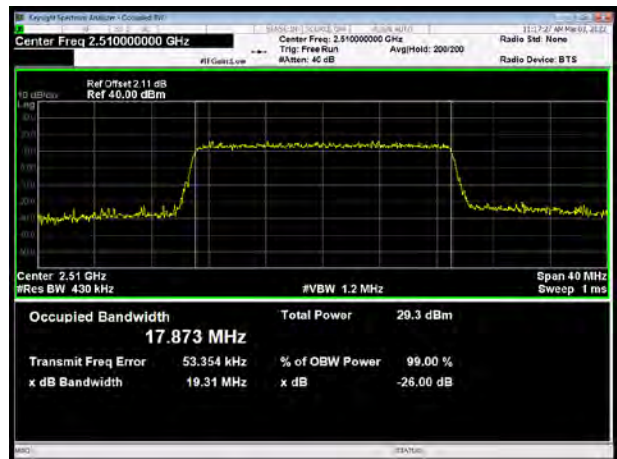




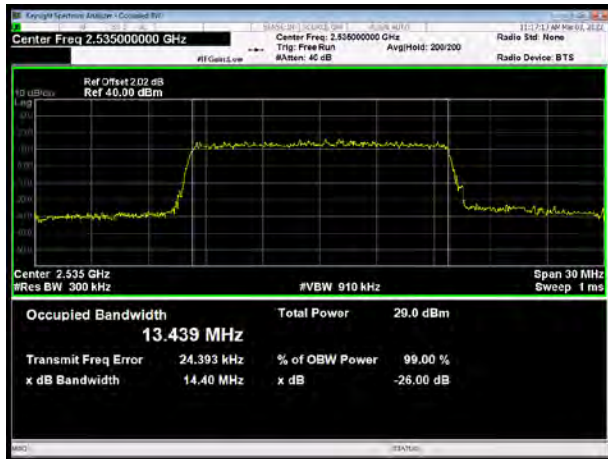
LTE Band 7 QPSK 15MHz CH-Low



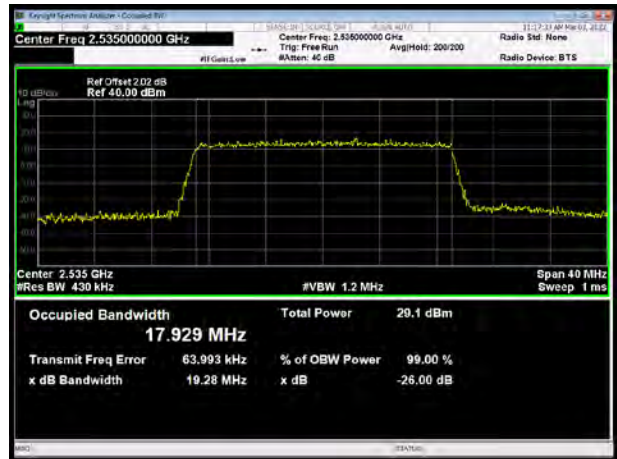
LTE Band 7 QPSK 20MHz CH-Low



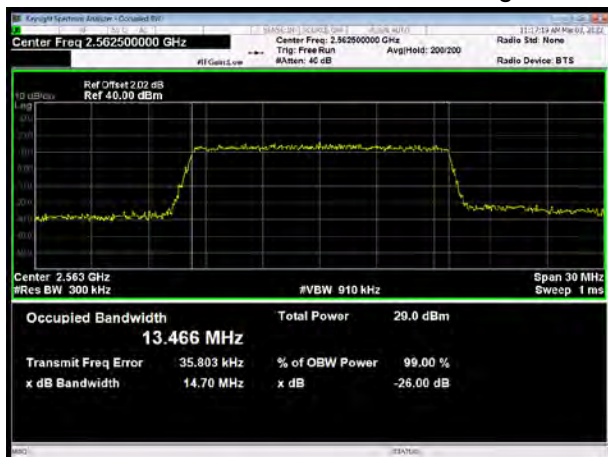
LTE Band 7 QPSK 15MHz CH-Middle



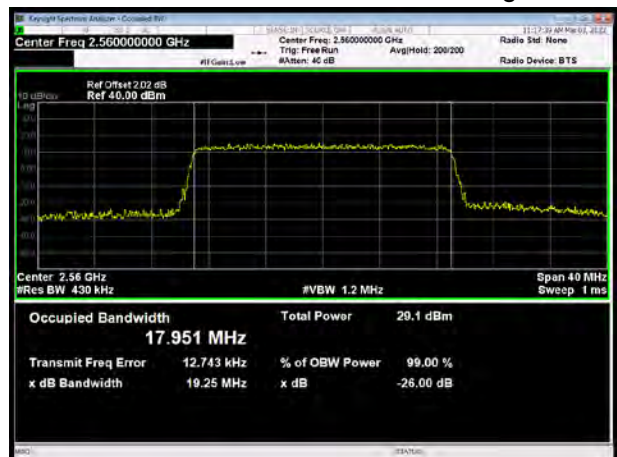
LTE Band 7 QPSK 20MHz CH-Middle



LTE Band 7 QPSK 15MHz CH-High

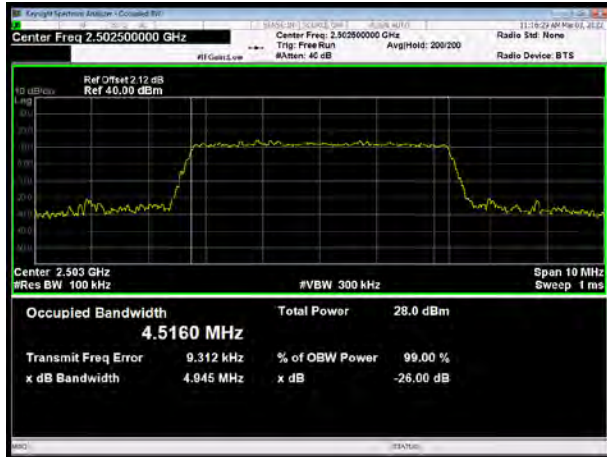


LTE Band 7 QPSK 20MHz CH-High

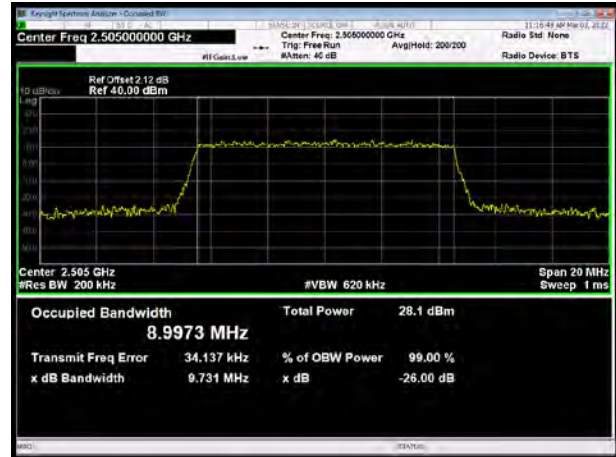




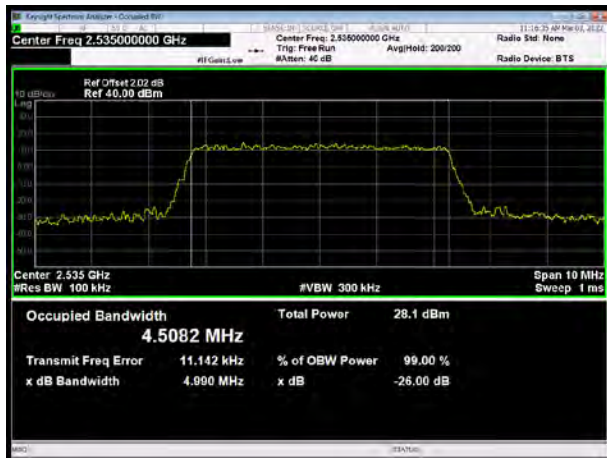
LTE Band 7 16QAM 5MHz CH-Low



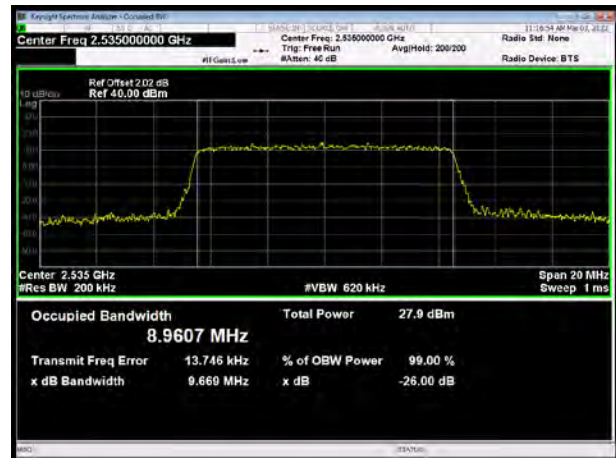
LTE Band 7 16QAM 10MHz CH-Low



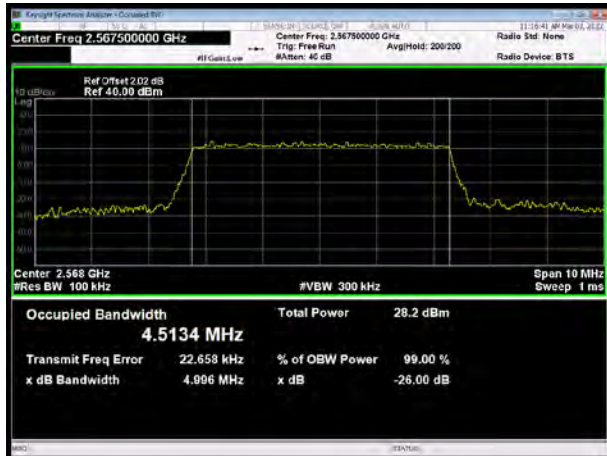
LTE Band 7 16QAM 5MHz CH-Middle



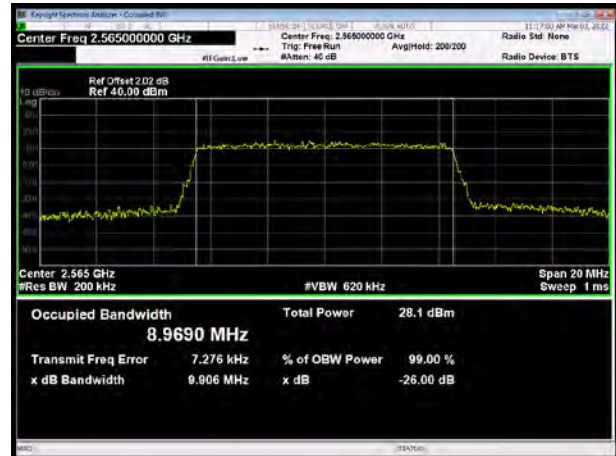
LTE Band 7 16QAM 10MHz CH-Middle



LTE Band 7 16QAM 5MHz CH-High



LTE Band 7 16QAM 10MHz CH-High

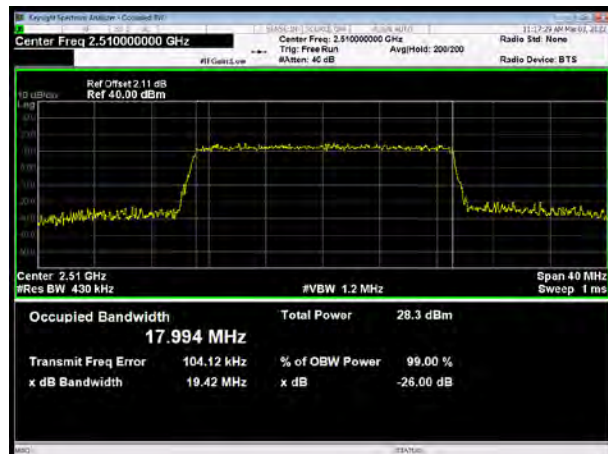




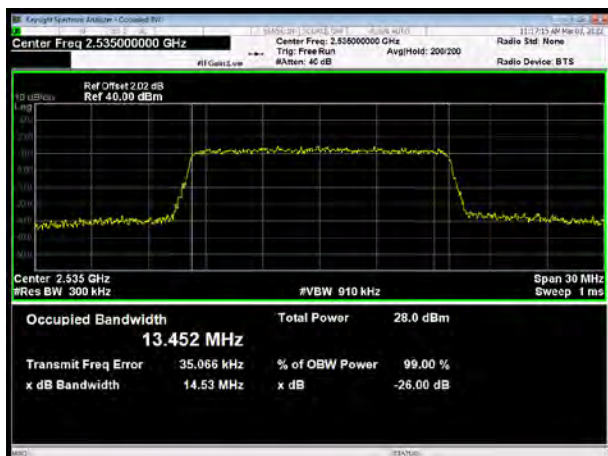
LTE Band 7 16QAM 15MHz CH-Low



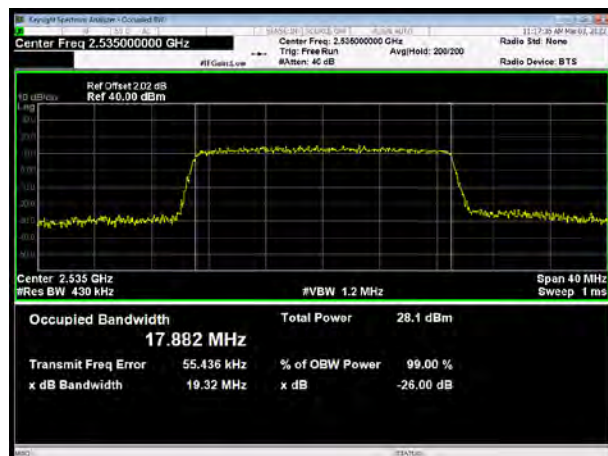
LTE Band 7 16QAM 20MHz CH-Low



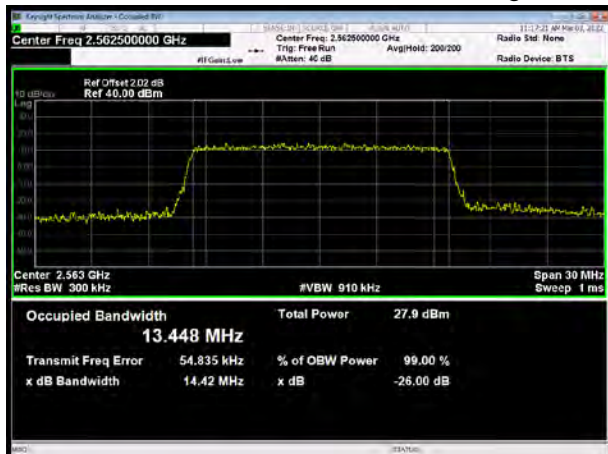
LTE Band 7 16QAM 15MHz CH-Middle



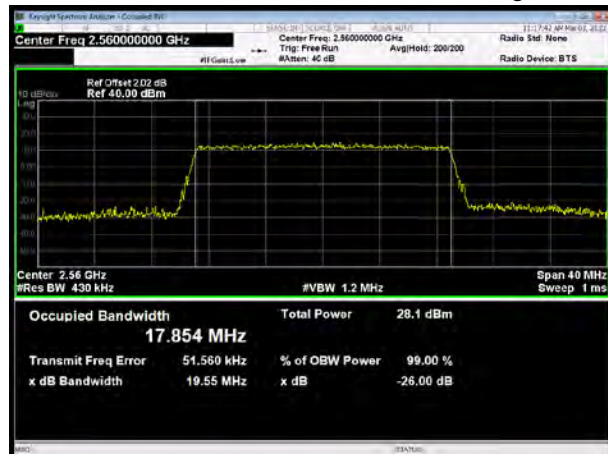
LTE Band 7 16QAM 20MHz CH-Middle



LTE Band 7 16QAM 15MHz CH-High

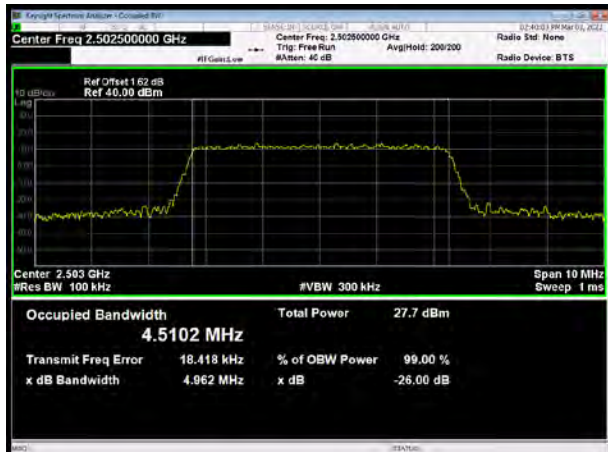


LTE Band 7 16QAM 20MHz CH-High





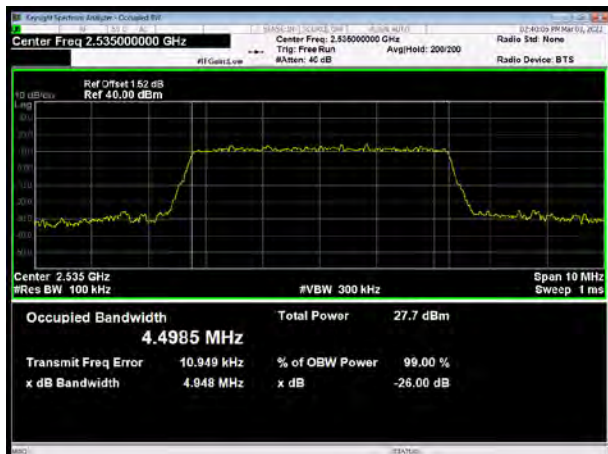
LTE Band 7 64QAM 5MHz CH-Low



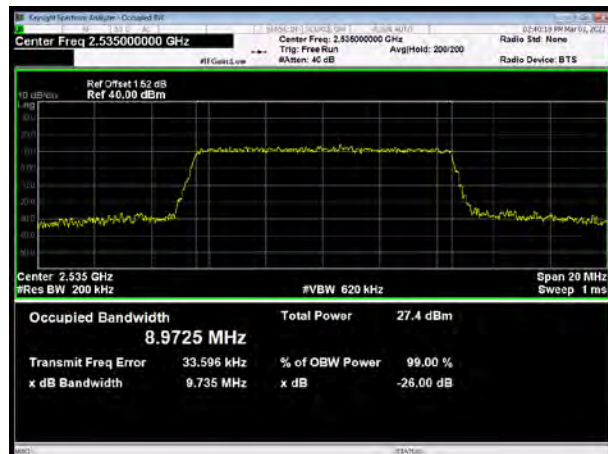
LTE Band 7 64QAM 10MHz CH-Low



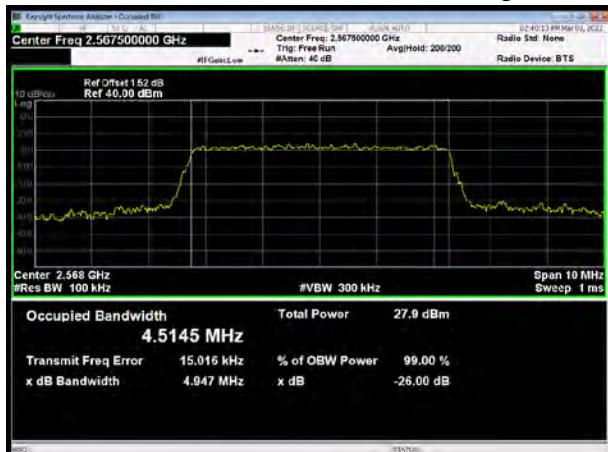
LTE Band 7 64QAM 5MHz CH-Middle



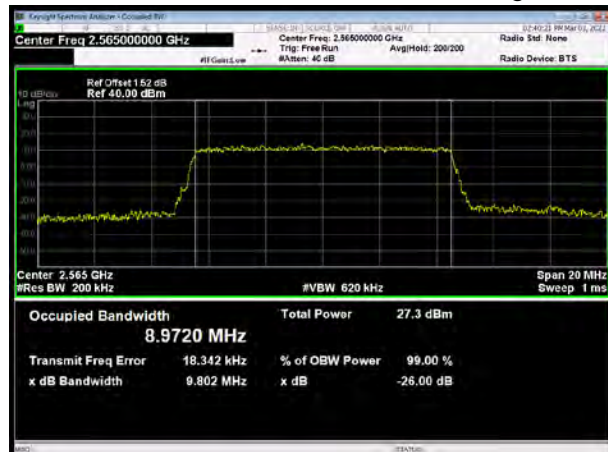
LTE Band 7 64QAM 10MHz CH-Middle



LTE Band 7 64QAM 5MHz CH-High

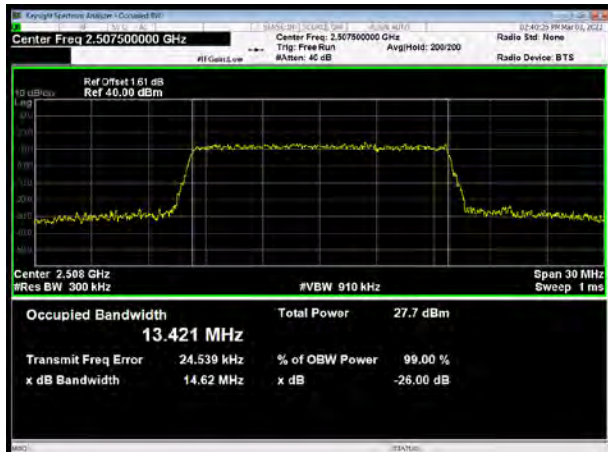


LTE Band 7 64QAM 10MHz CH-High

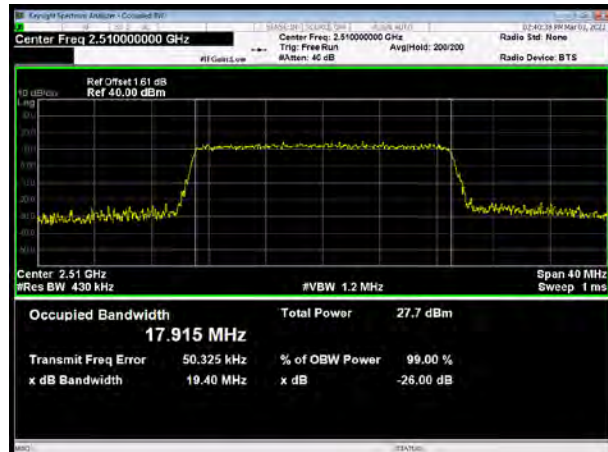




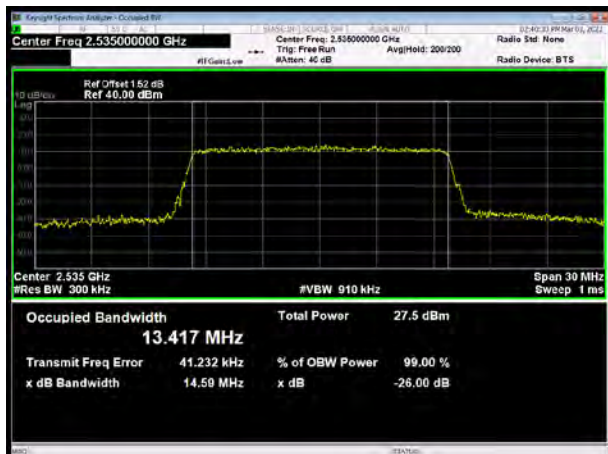
LTE Band 7 64QAM 15MHz CH-Low



LTE Band 7 64QAM 20MHz CH-Low



LTE Band 7 64QAM 15MHz CH-Middle



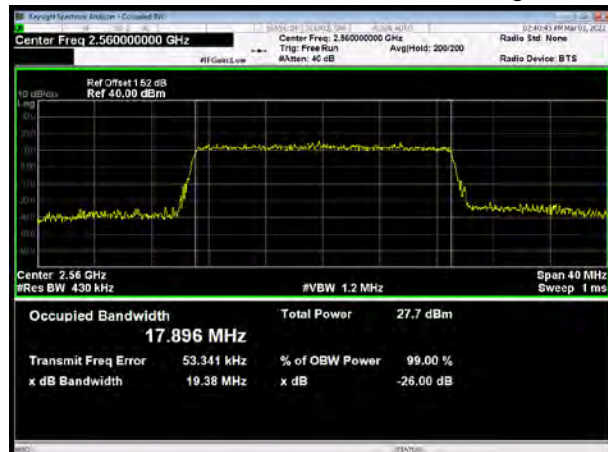
LTE Band 7 64QAM 20MHz CH-Middle

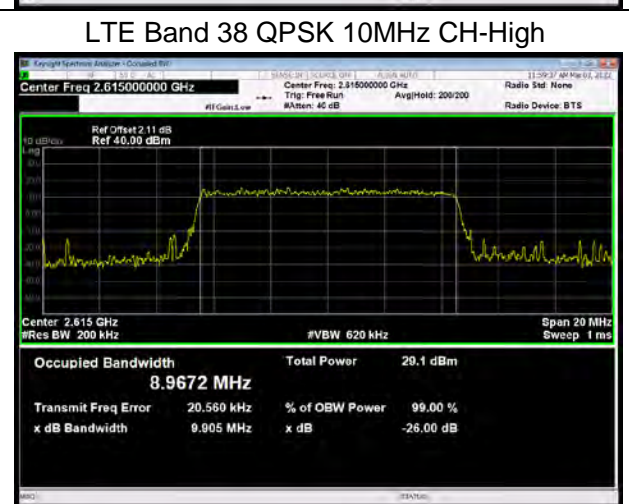
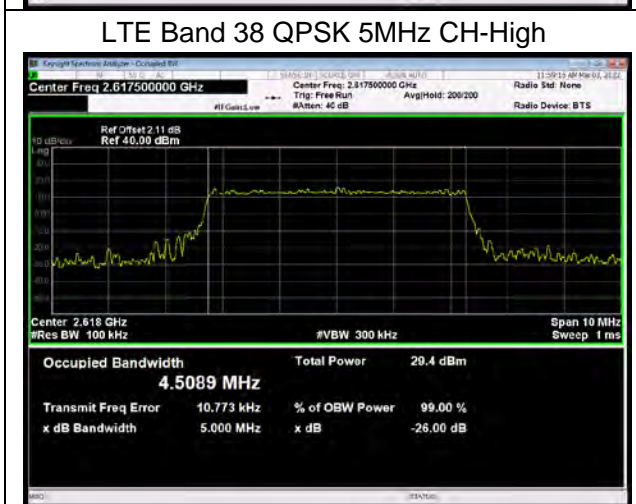
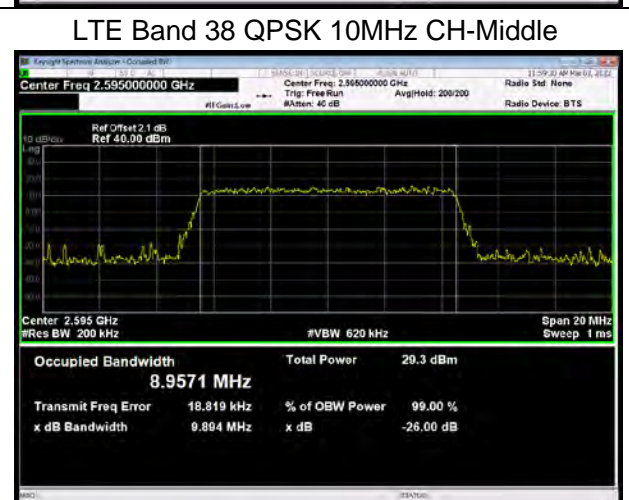
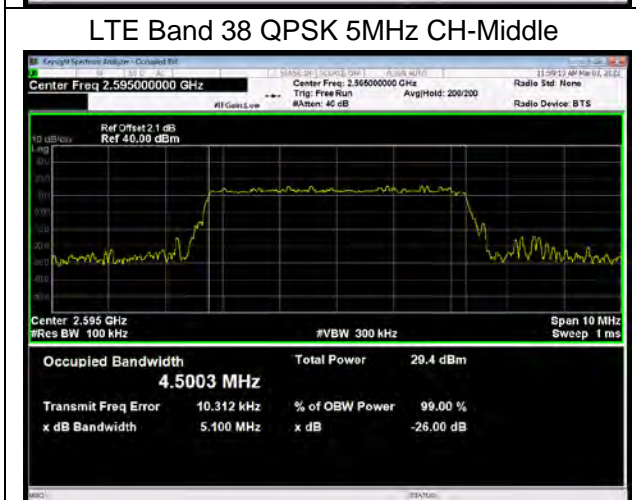
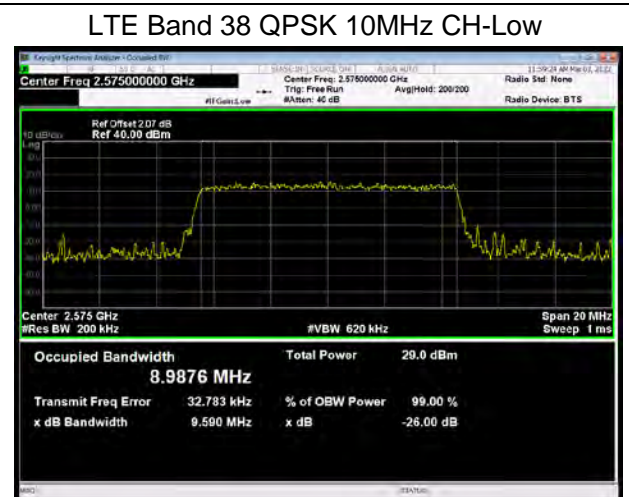
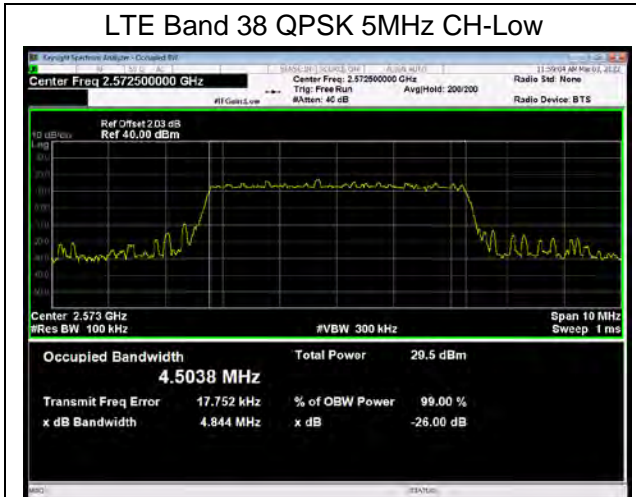


LTE Band 7 64QAM 15MHz CH-High



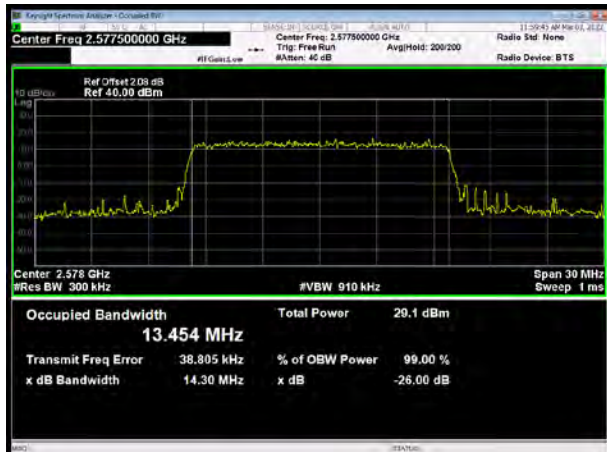
LTE Band 7 64QAM 20MHz CH-High



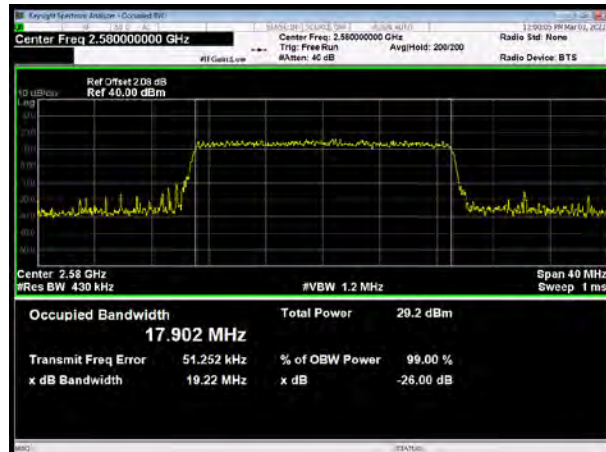




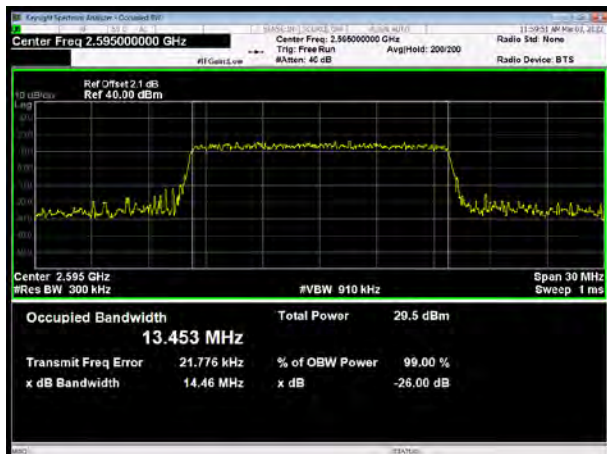
LTE Band 38 QPSK 15MHz CH-Low



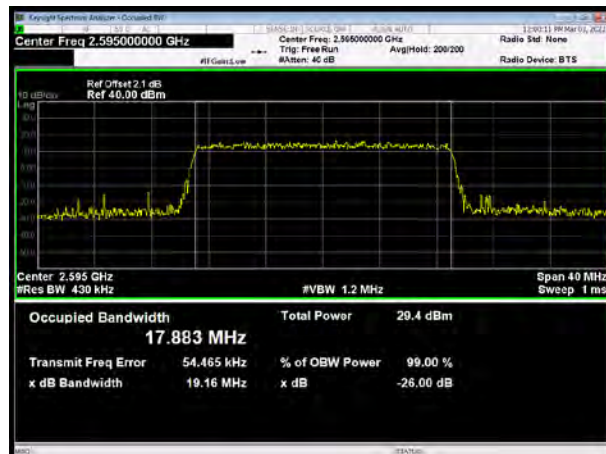
LTE Band 38 QPSK 20MHz CH-Low



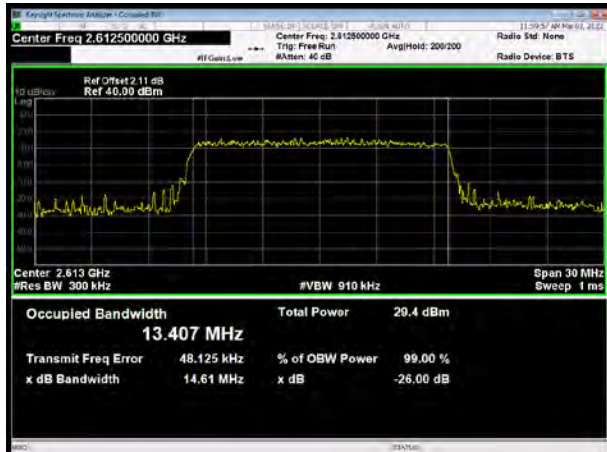
LTE Band 38 QPSK 15MHz CH-Middle



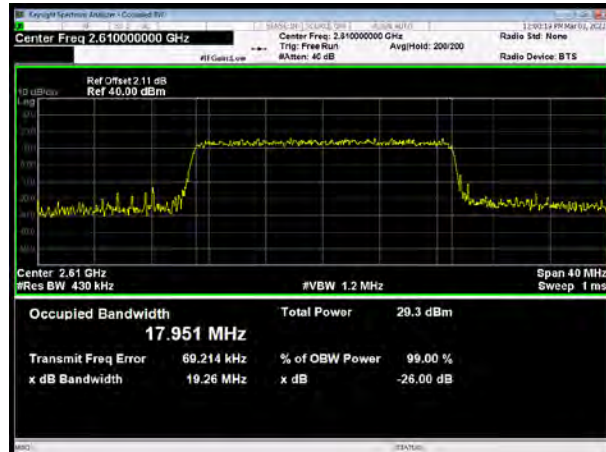
LTE Band 38 QPSK 20MHz CH-Middle



LTE Band 38 QPSK 15MHz CH-High

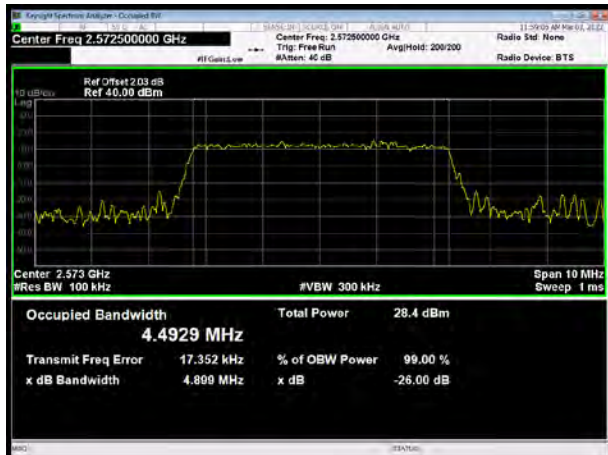


LTE Band 38 QPSK 20MHz CH-High

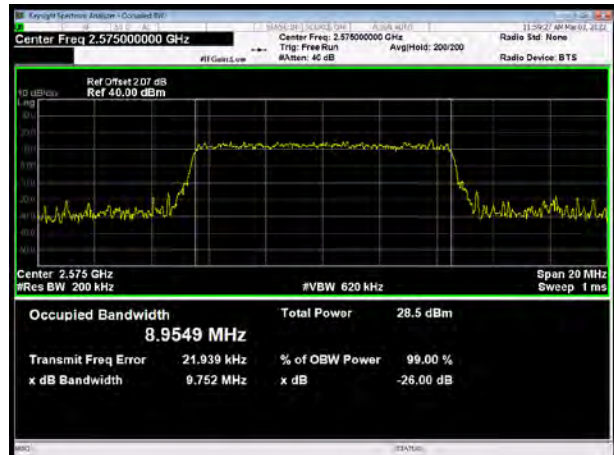




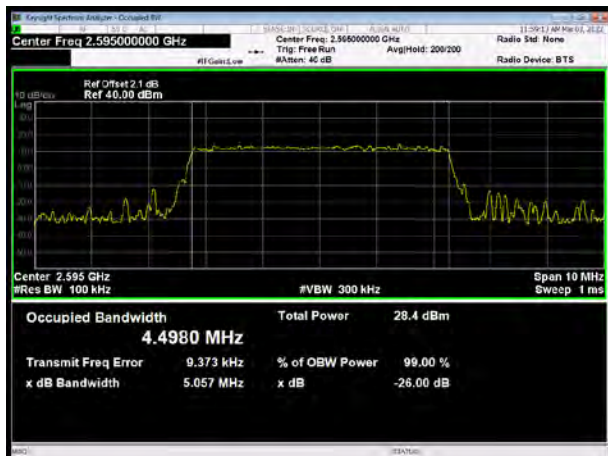
LTE Band 38 16QAM 5MHz CH-Low



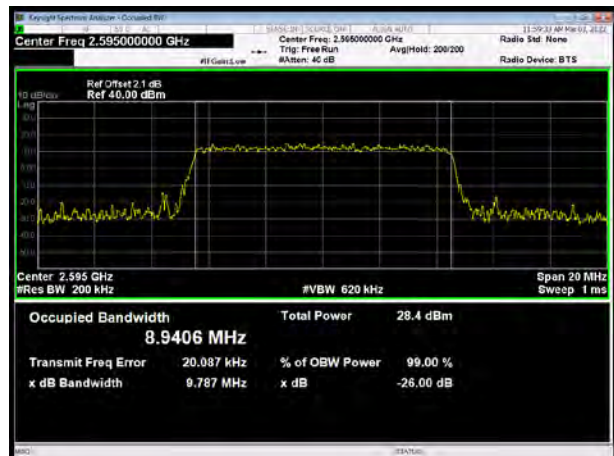
LTE Band 38 16QAM 10MHz CH-Low



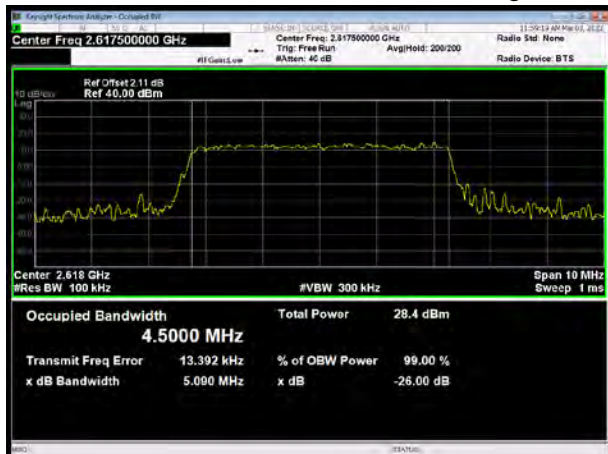
LTE Band 38 16QAM 5MHz CH-Middle



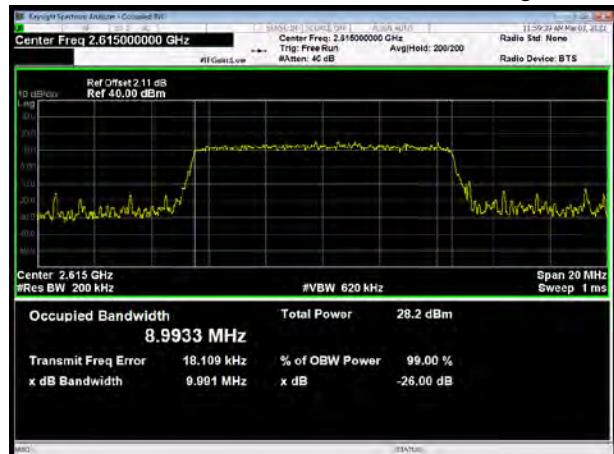
LTE Band 38 16QAM 10MHz CH-Middle

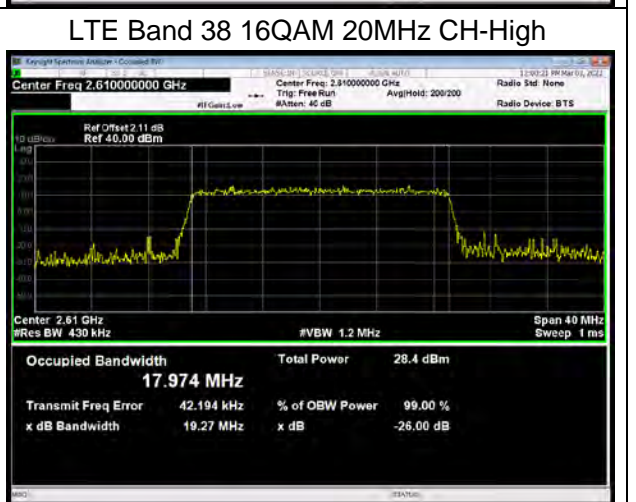
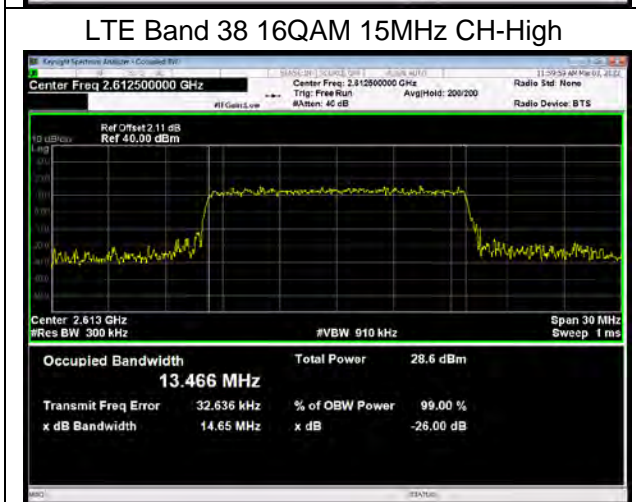
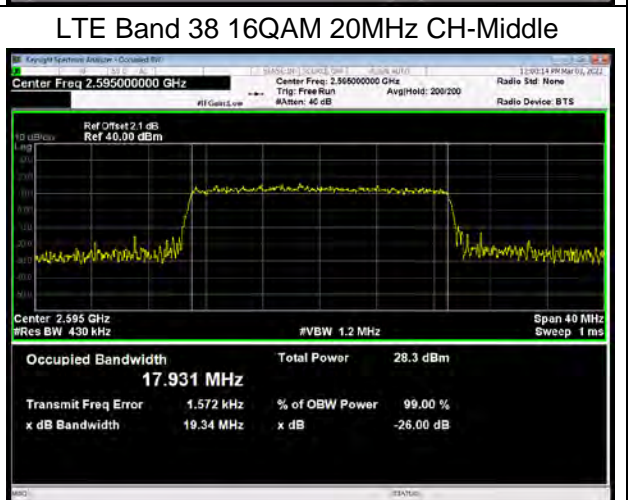
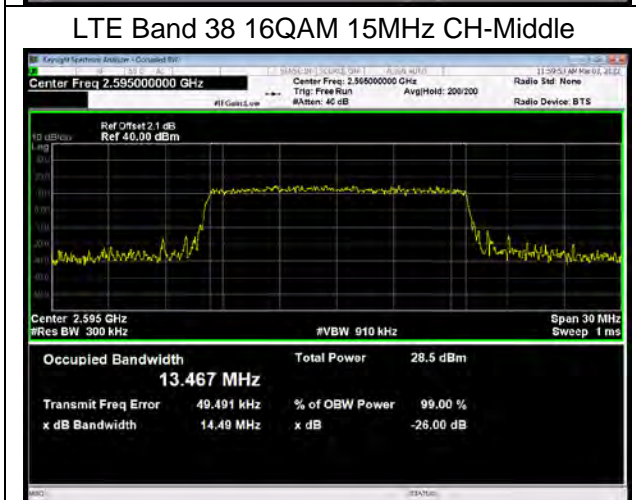
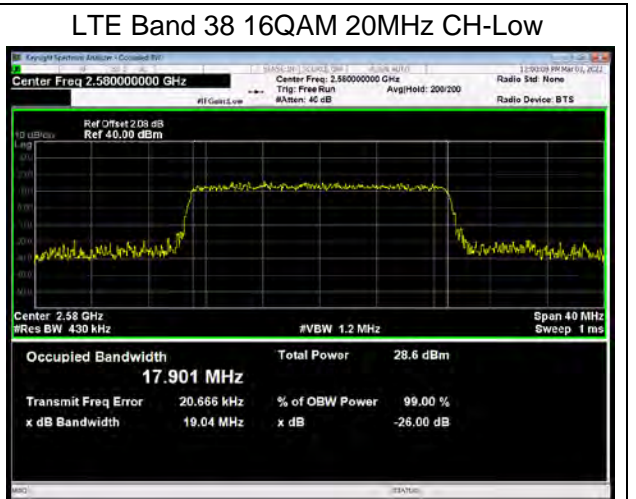
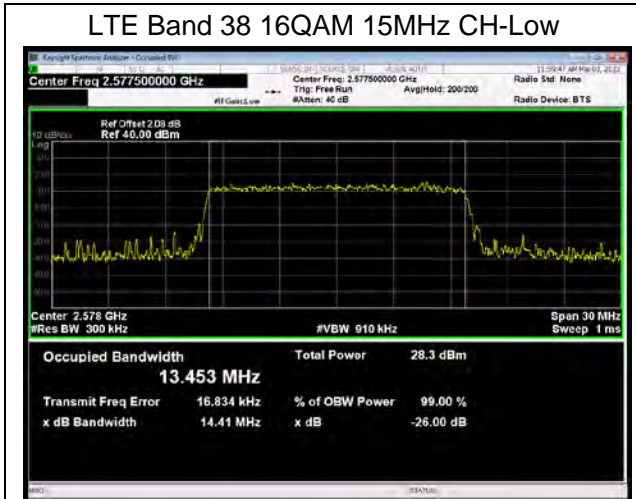


LTE Band 38 16QAM 5MHz CH-High



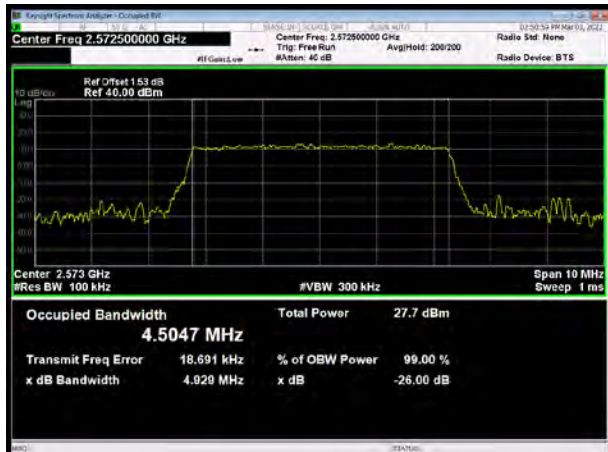
LTE Band 38 16QAM 10MHz CH-High



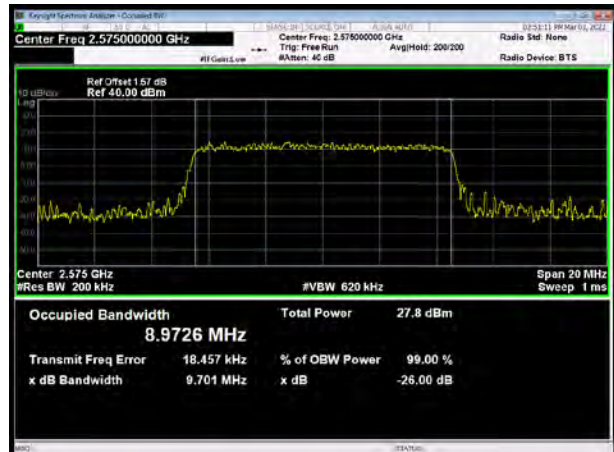




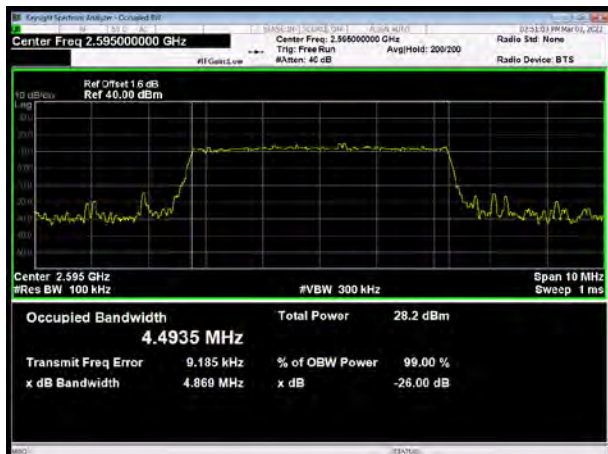
LTE Band 38 64QAM 5MHz CH-Low



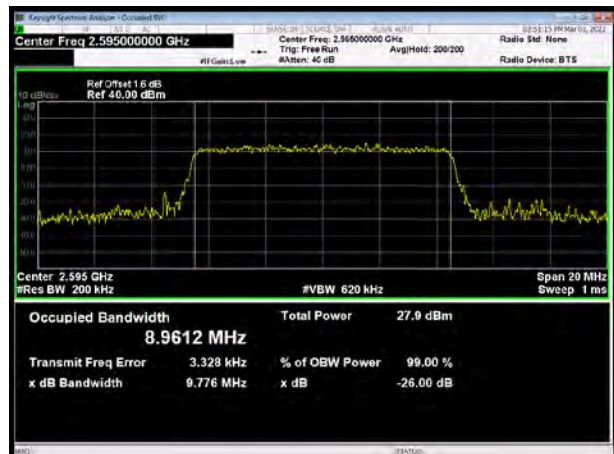
LTE Band 38 64QAM 10MHz CH-Low



LTE Band 38 64QAM 5MHz CH-Middle



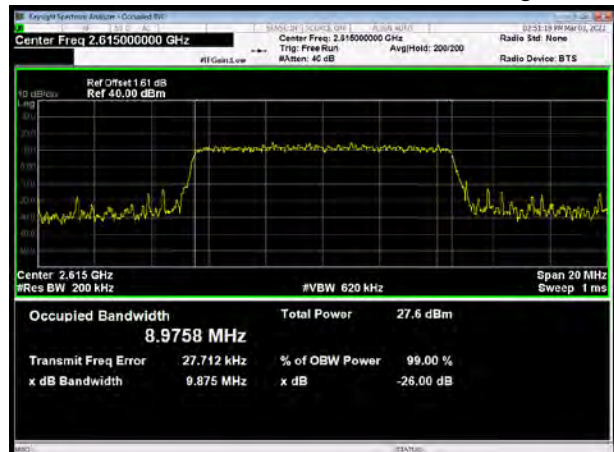
LTE Band 38 64QAM 10MHz CH-Middle

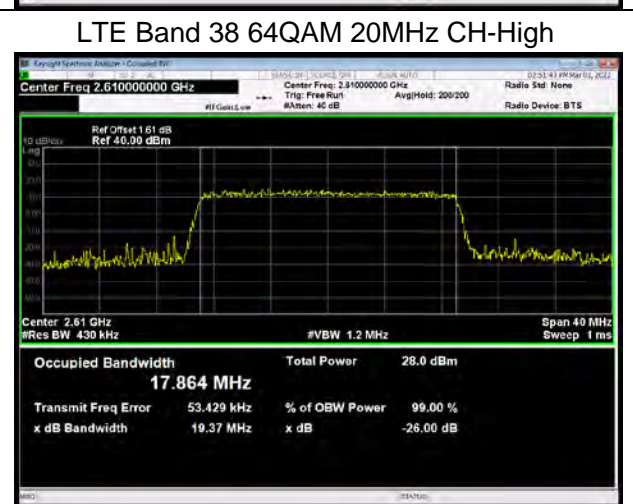
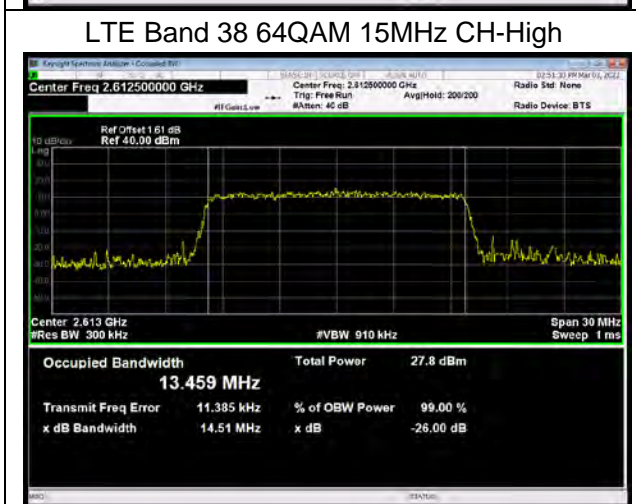
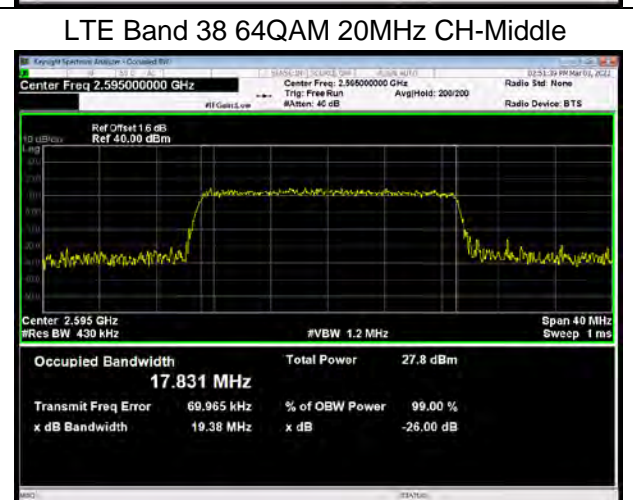
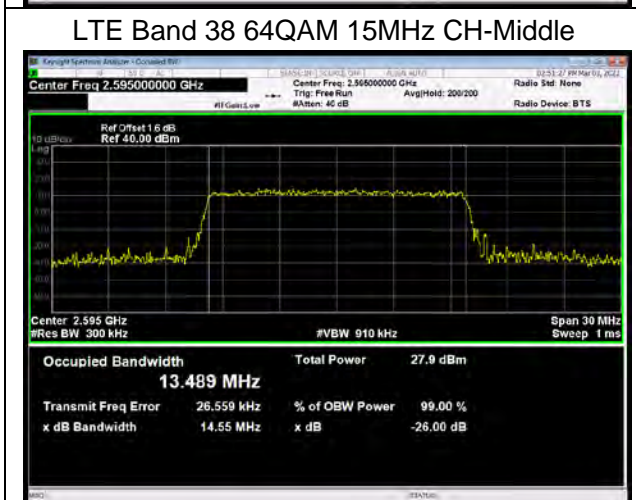
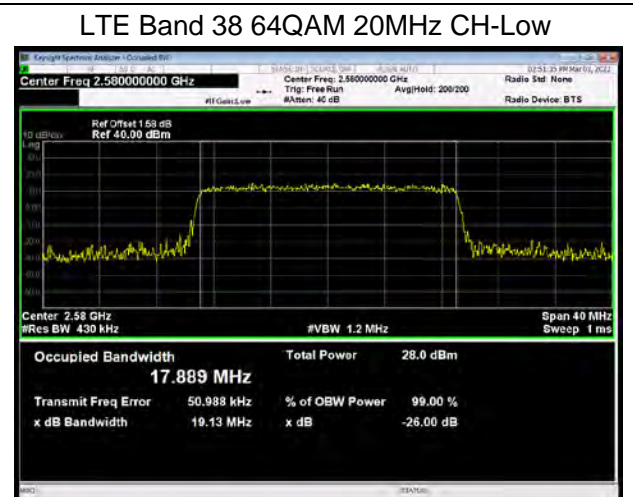
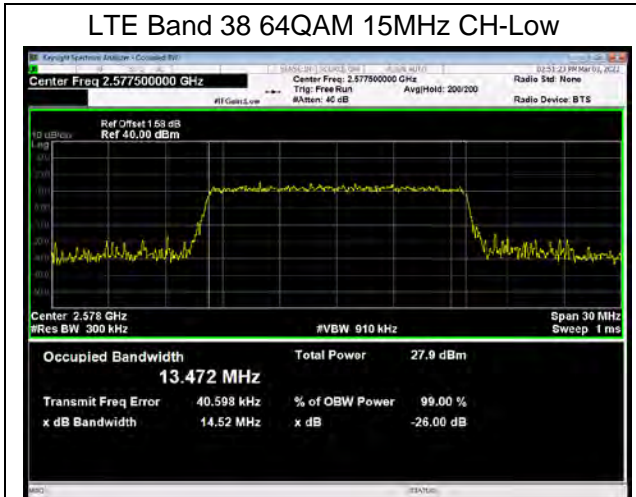


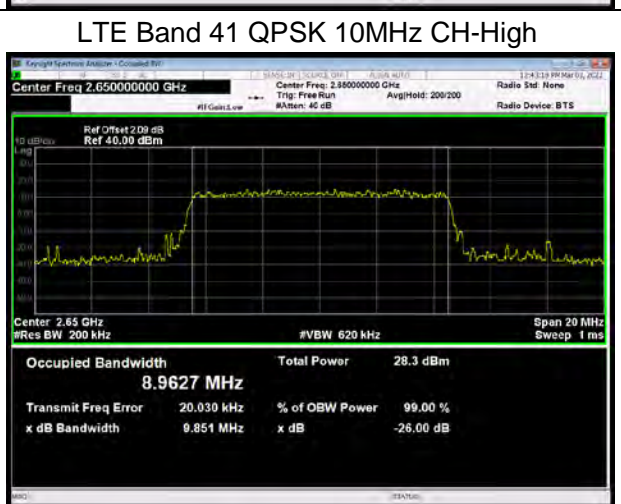
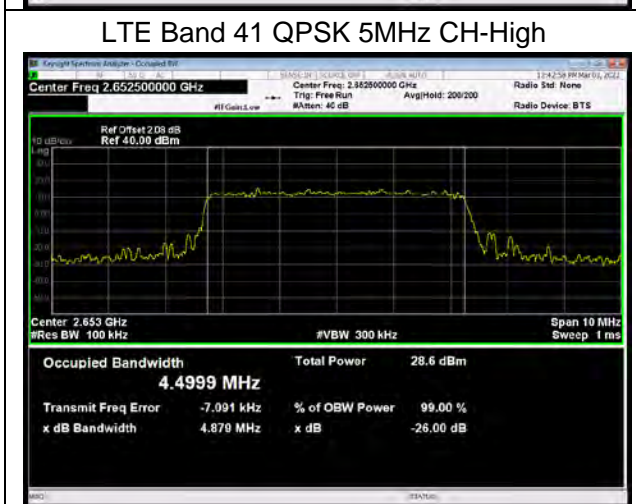
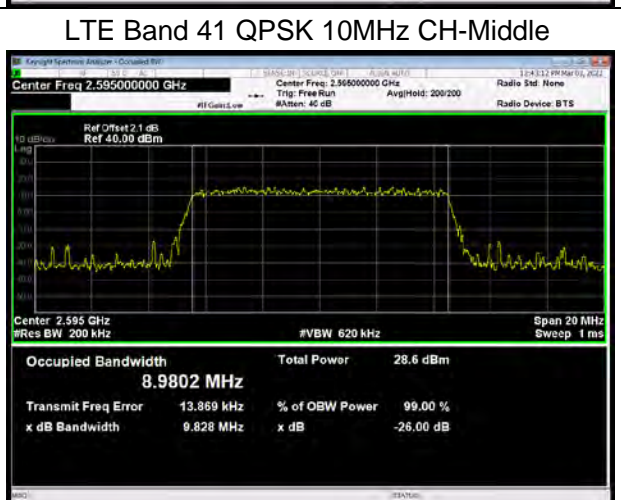
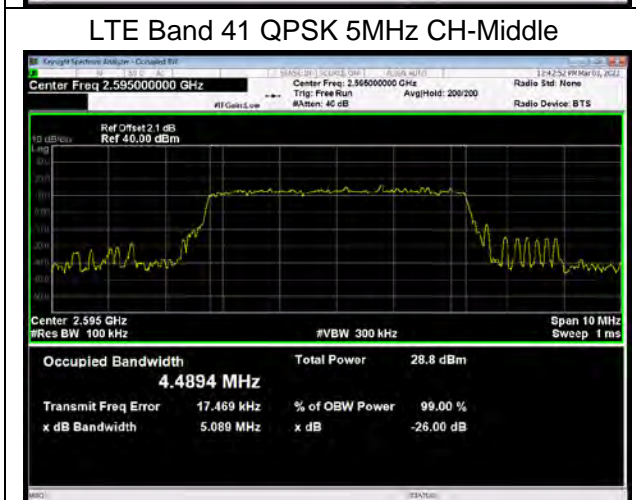
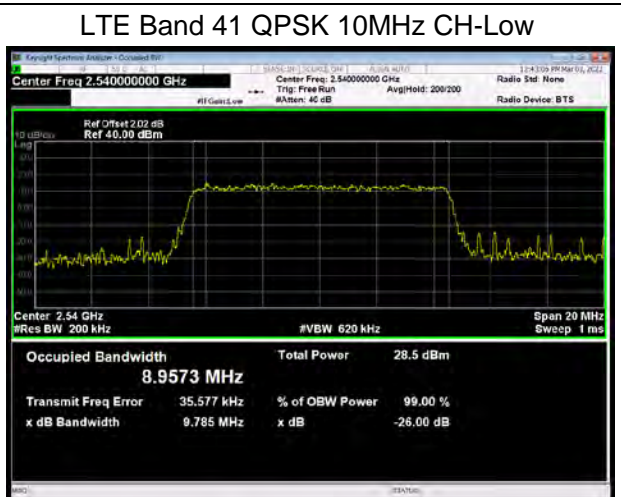
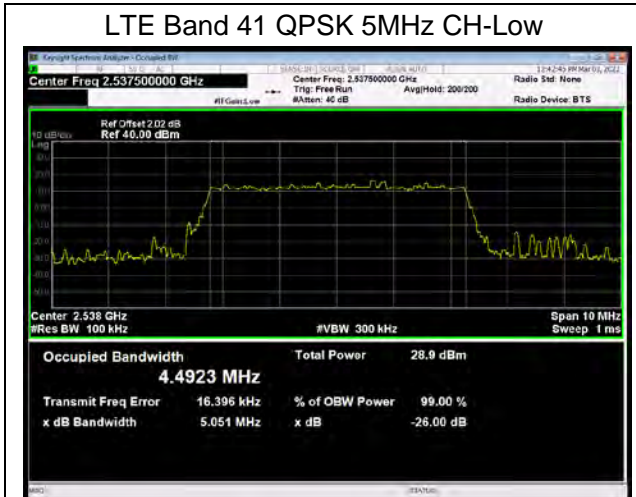
LTE Band 38 64QAM 5MHz CH-High



LTE Band 38 64QAM 10MHz CH-High

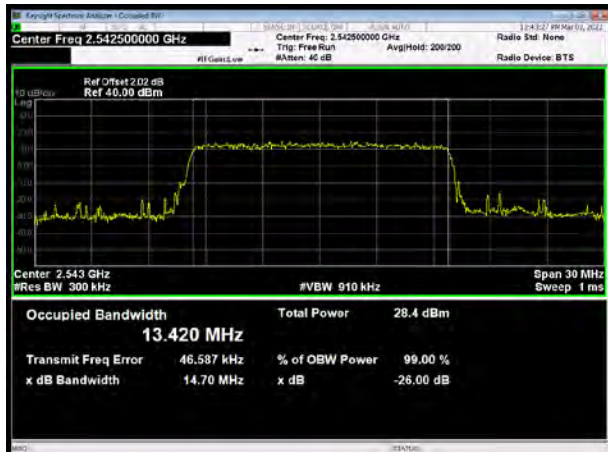




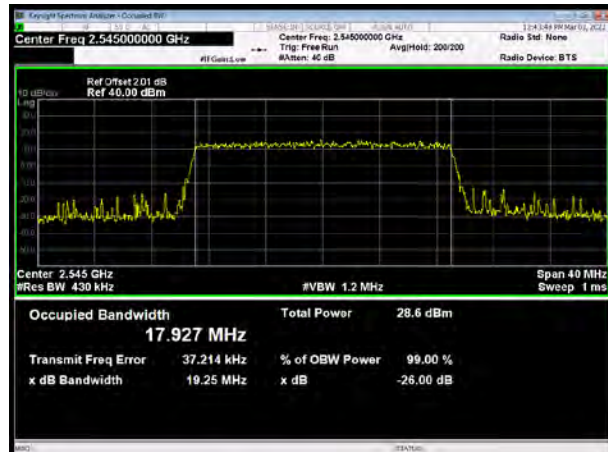




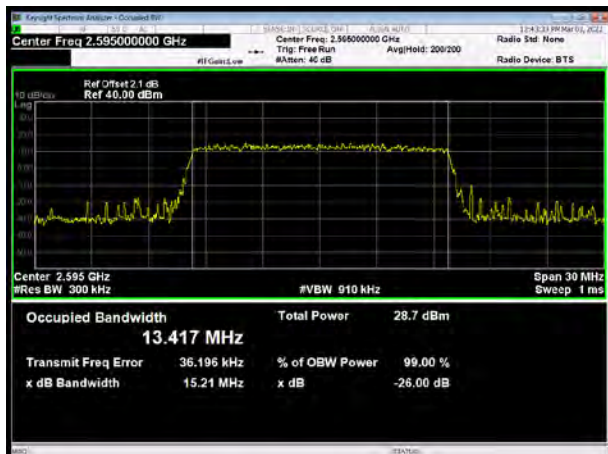
LTE Band 41 QPSK 15MHz CH-Low



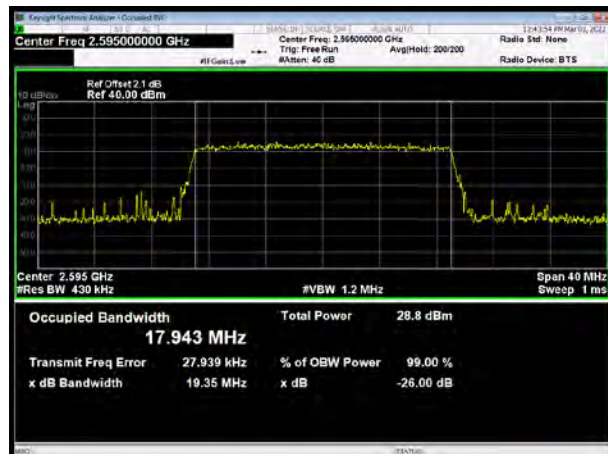
LTE Band 41 QPSK 20MHz CH-Low



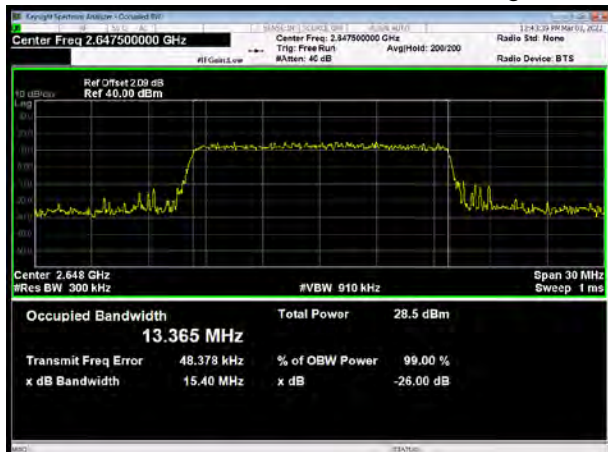
LTE Band 41 QPSK 15MHz CH-Middle



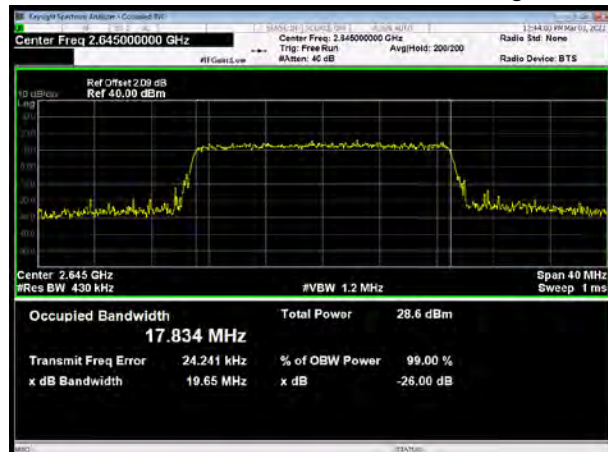
LTE Band 41 QPSK 20MHz CH-Middle



LTE Band 41 QPSK 15MHz CH-High

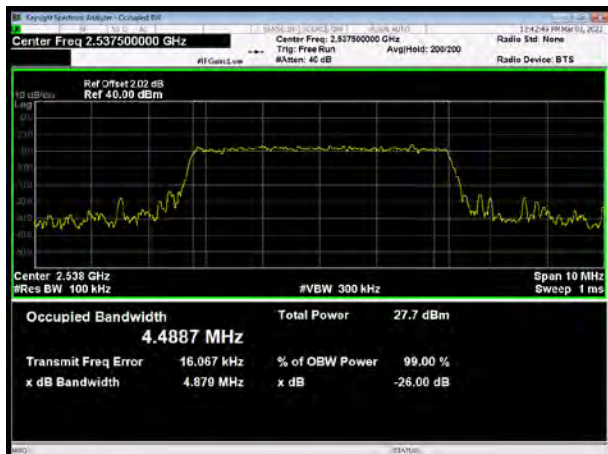


LTE Band 41 QPSK 20MHz CH-High

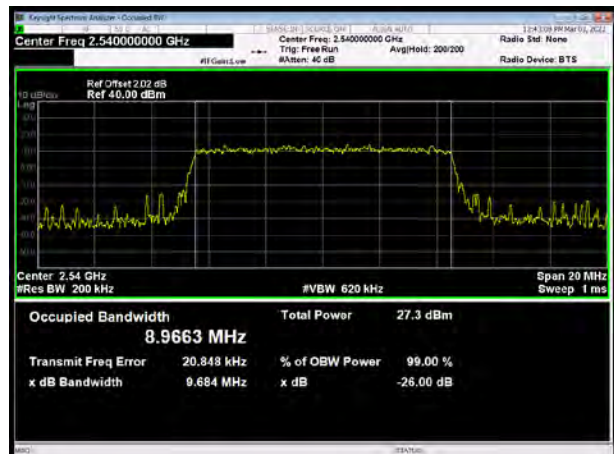




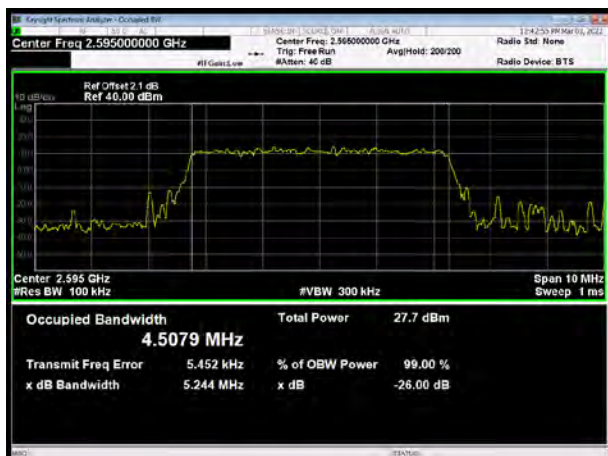
LTE Band 41 16QAM 5MHz CH-Low



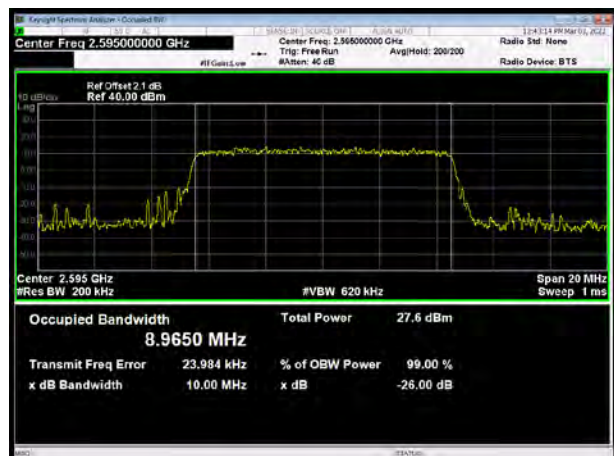
LTE Band 41 16QAM 10MHz CH-Low



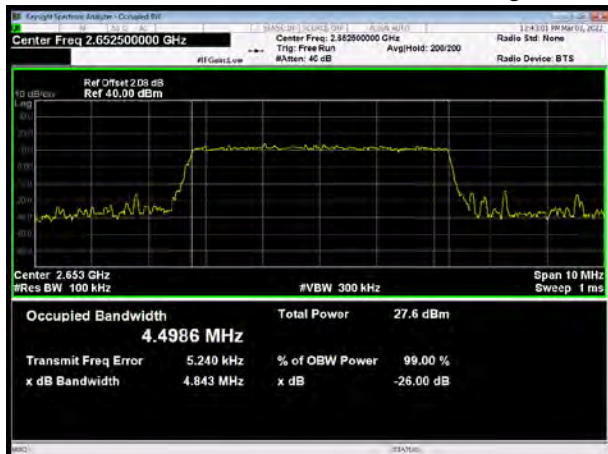
LTE Band 41 16QAM 5MHz CH-Middle



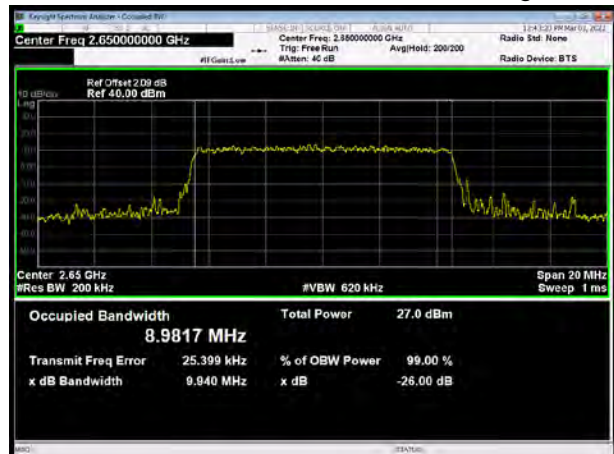
LTE Band 41 16QAM 10MHz CH-Middle



LTE Band 41 16QAM 5MHz CH-High

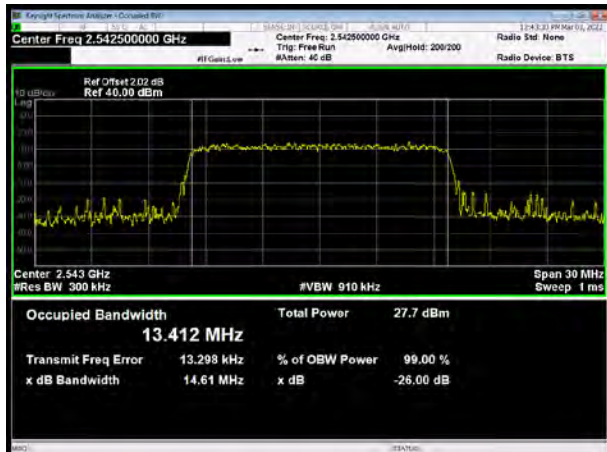


LTE Band 41 16QAM 10MHz CH-High

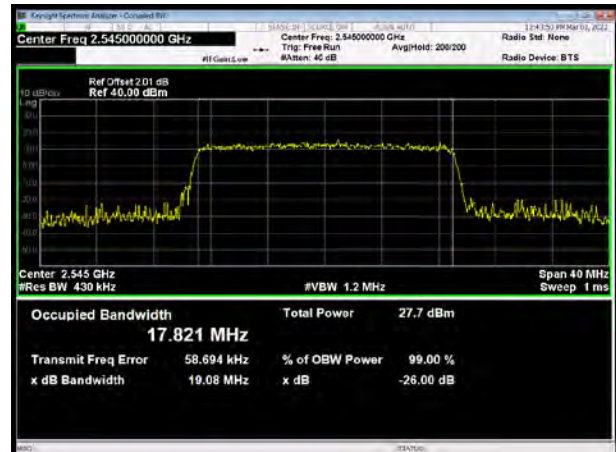




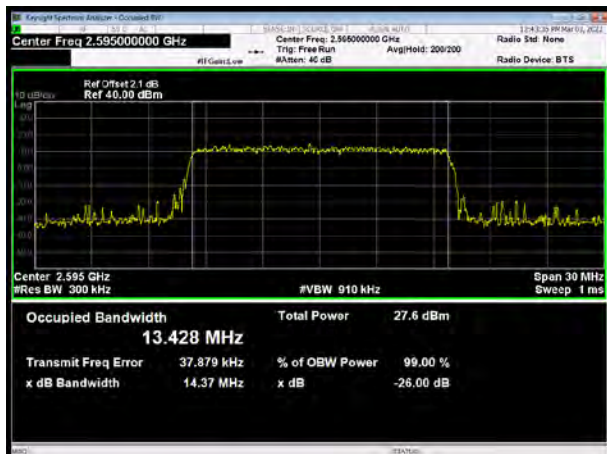
LTE Band 41 16QAM 15MHz CH-Low



LTE Band 41 16QAM 20MHz CH-Low



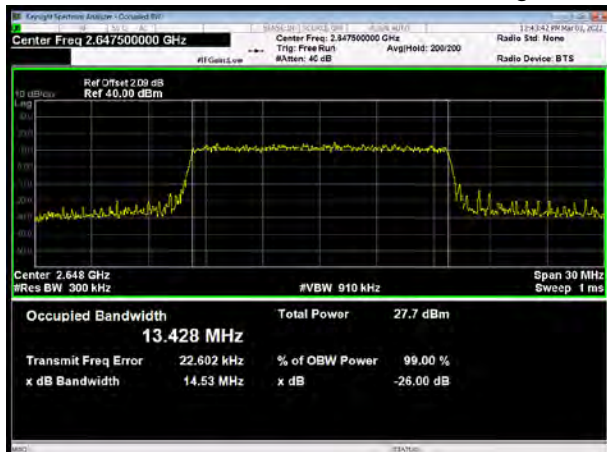
LTE Band 41 16QAM 15MHz CH-Middle



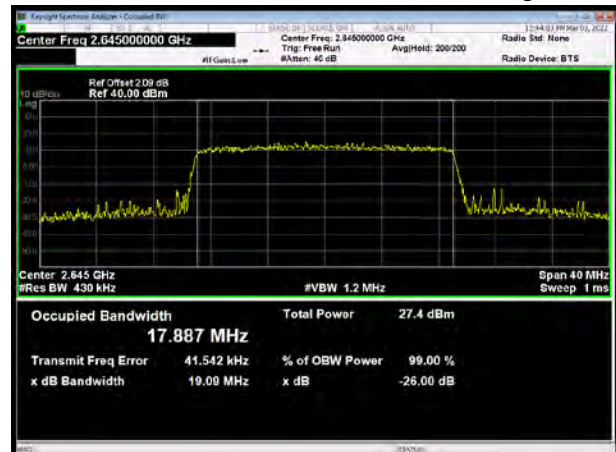
LTE Band 41 16QAM 20MHz CH-Middle



LTE Band 41 16QAM 15MHz CH-High

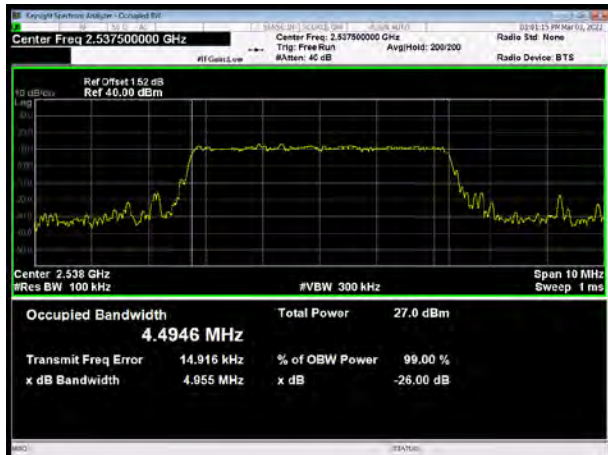


LTE Band 41 16QAM 20MHz CH-High

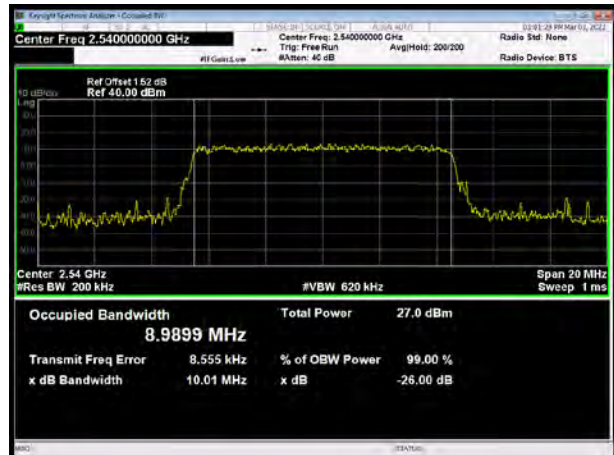




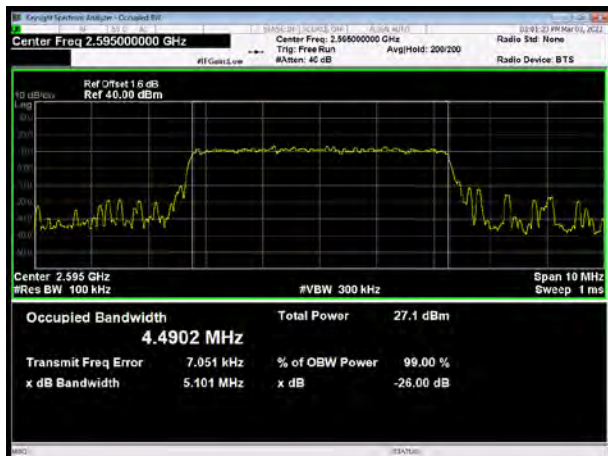
LTE Band 41 64QAM 5MHz CH-Low



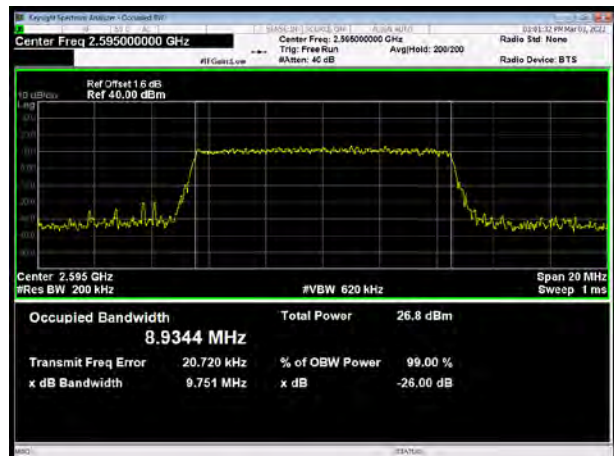
LTE Band 41 64QAM 10MHz CH-Low



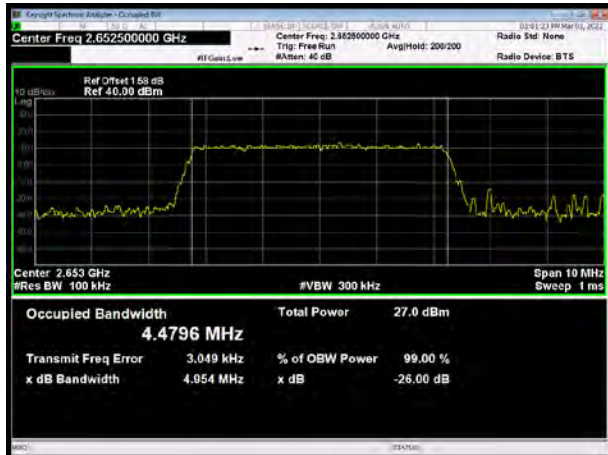
LTE Band 41 64QAM 5MHz CH-Middle



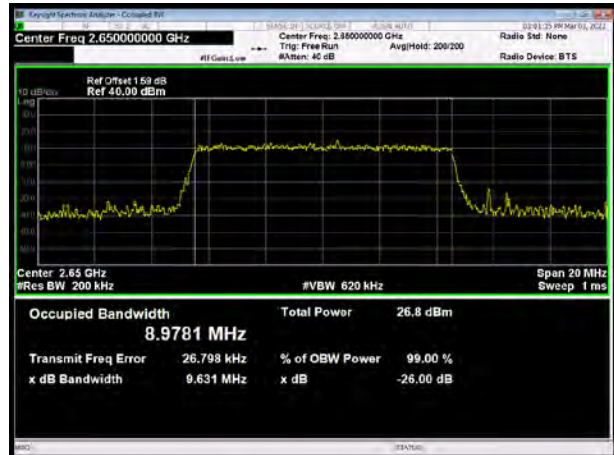
LTE Band 41 64QAM 10MHz CH-Middle



LTE Band 41 64QAM 5MHz CH-High

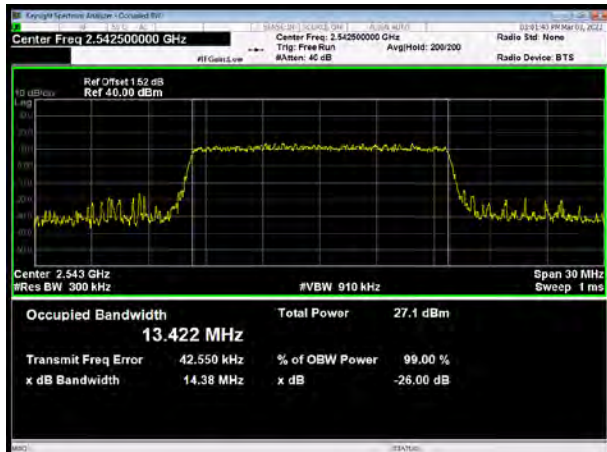


LTE Band 41 64QAM 10MHz CH-High

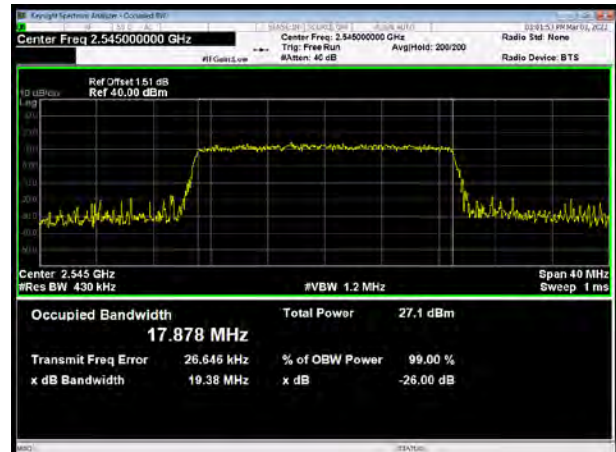




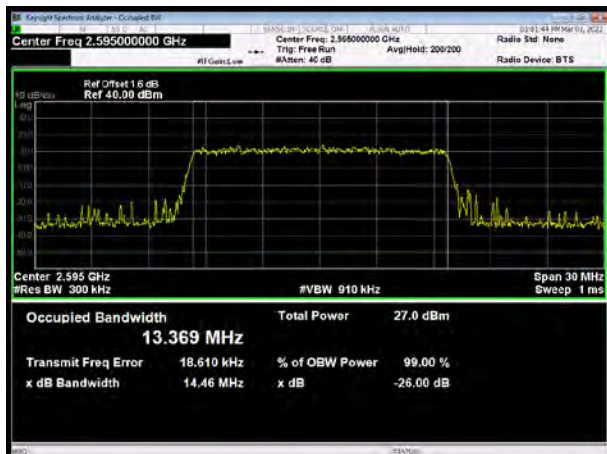
LTE Band 41 64QAM 15MHz CH-Low



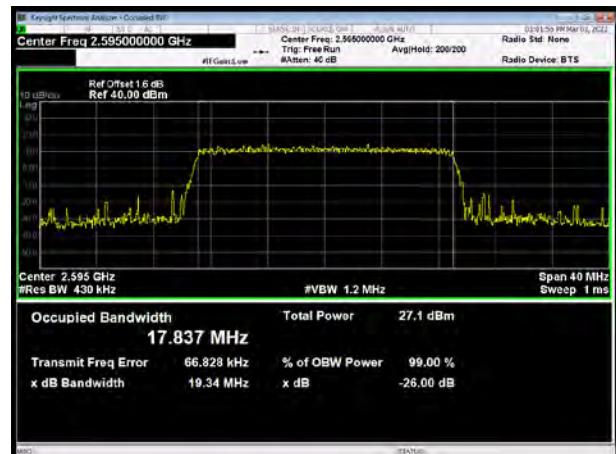
LTE Band 41 64QAM 20MHz CH-Low



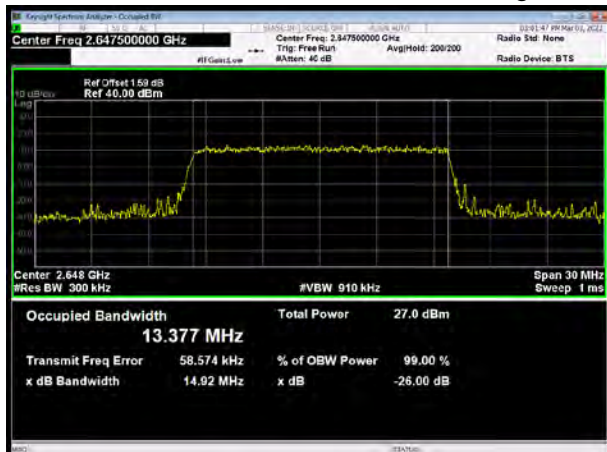
LTE Band 41 64QAM 15MHz CH-Middle



LTE Band 41 64QAM 20MHz CH-Middle



LTE Band 41 64QAM 15MHz CH-High

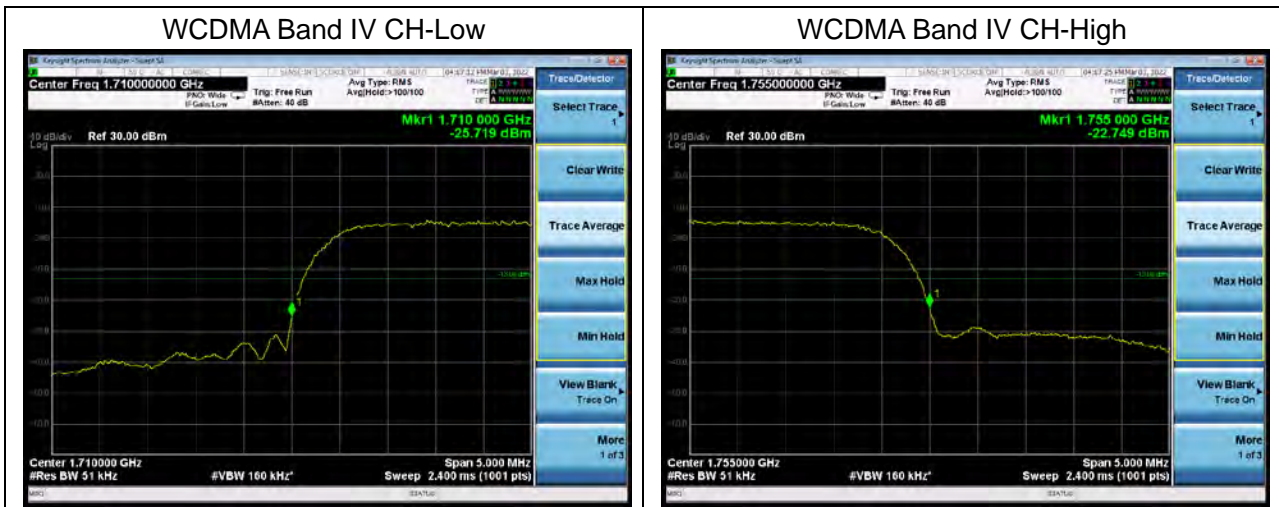


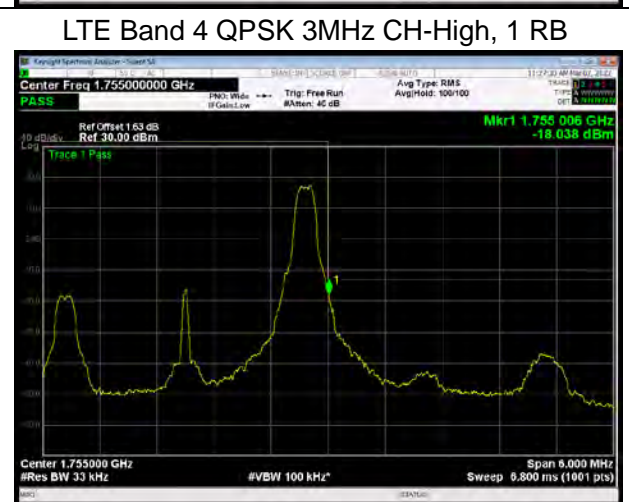
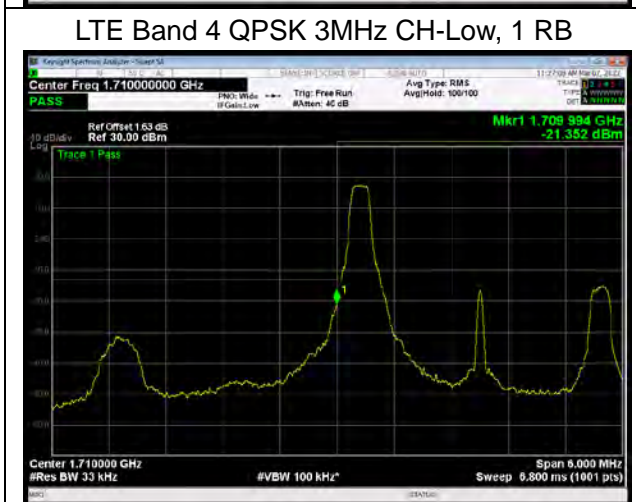
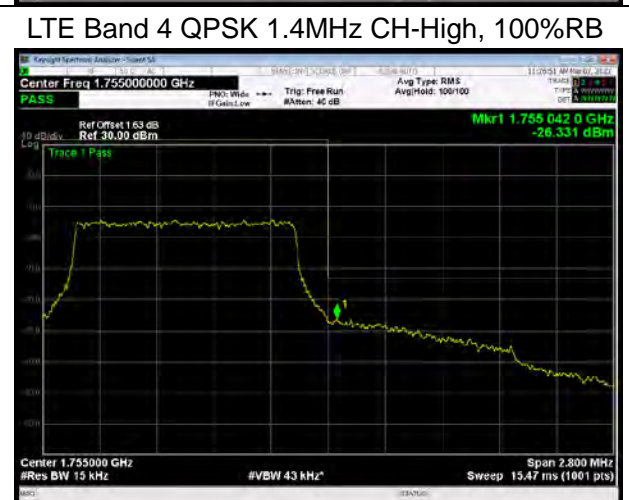
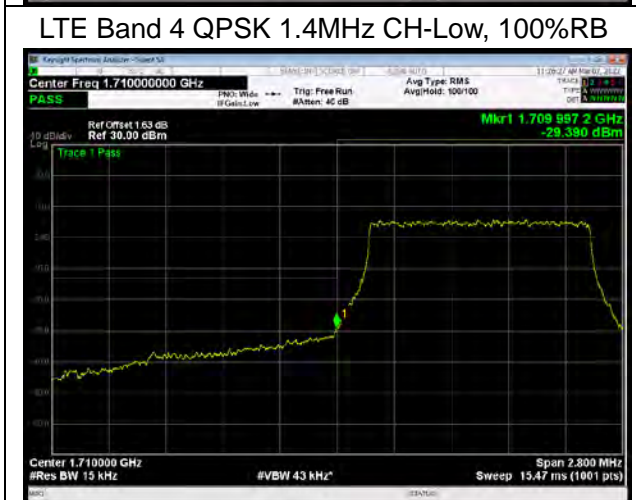
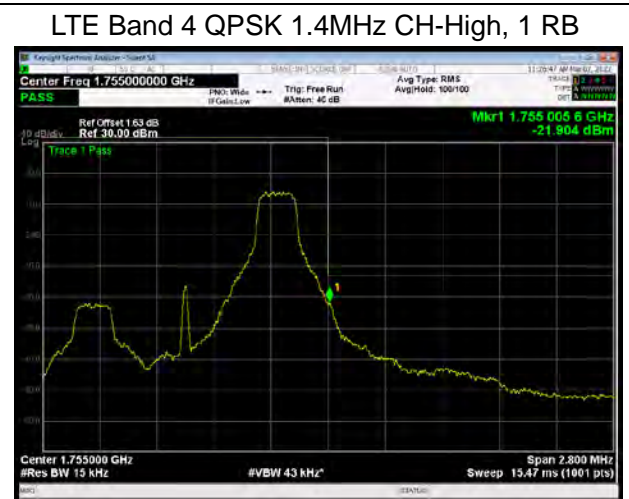
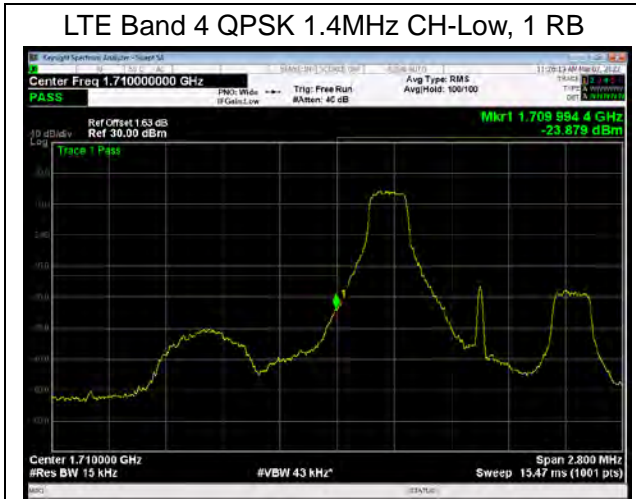
LTE Band 41 64QAM 20MHz CH-High

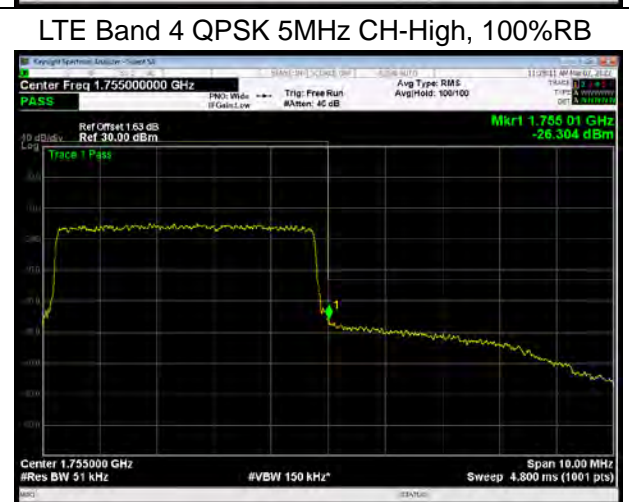
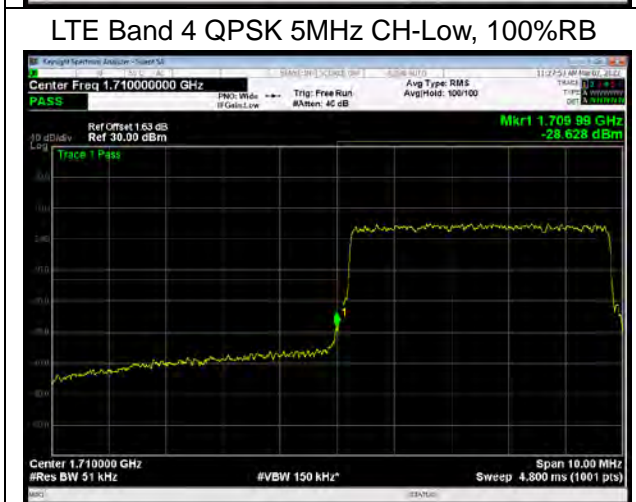
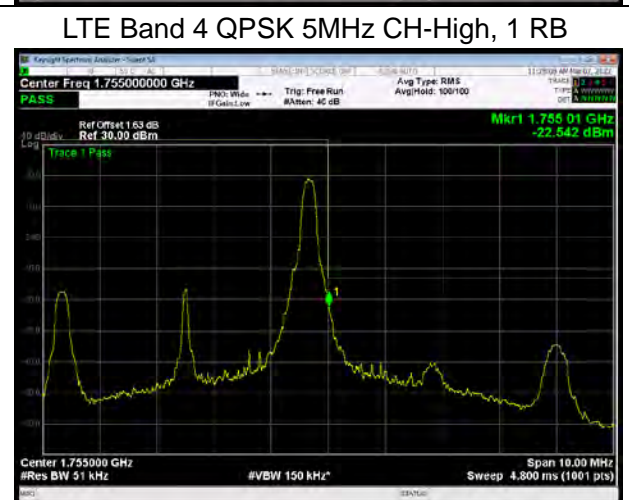
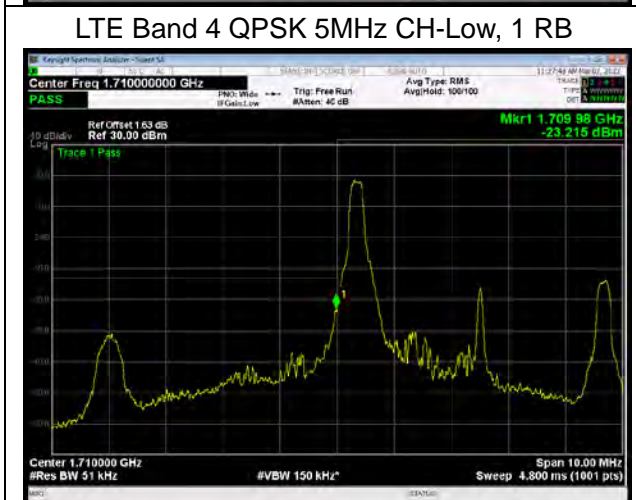
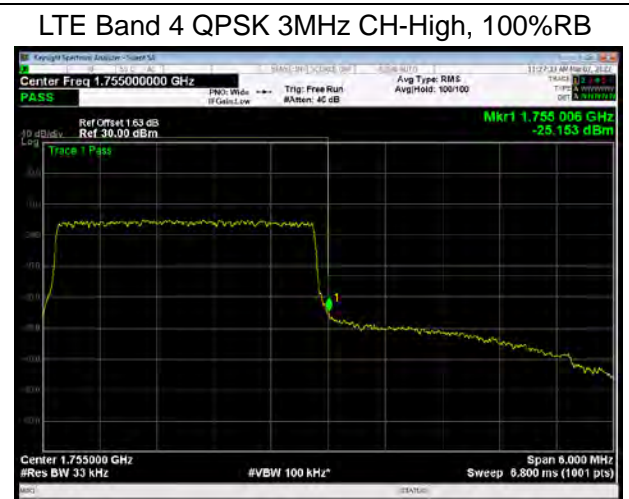
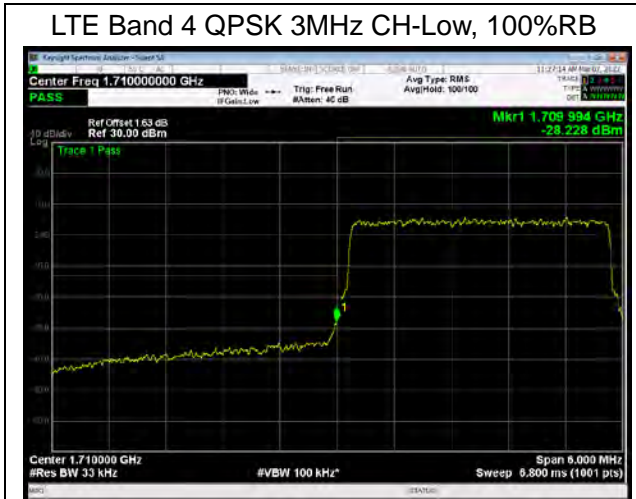


6.3 Band Edge Compliance

All the test traces in the plots shows the test results clearly.

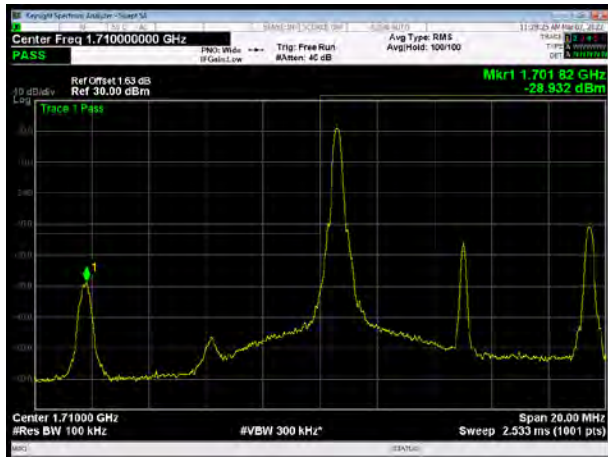




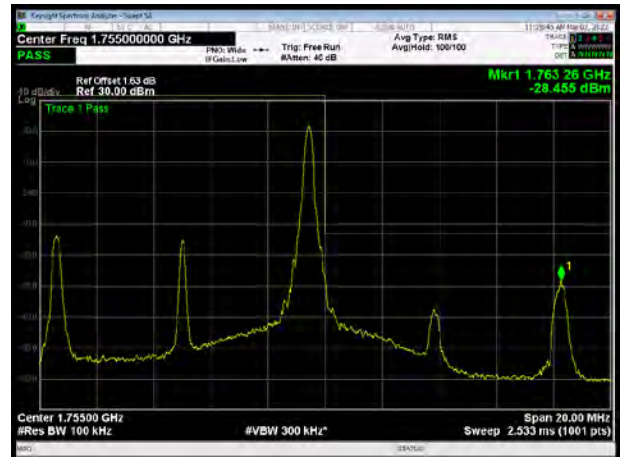




LTE Band 4 QPSK 10MHz CH-Low, 1 RB



LTE Band 4 QPSK 10MHz CH-High, 1 RB



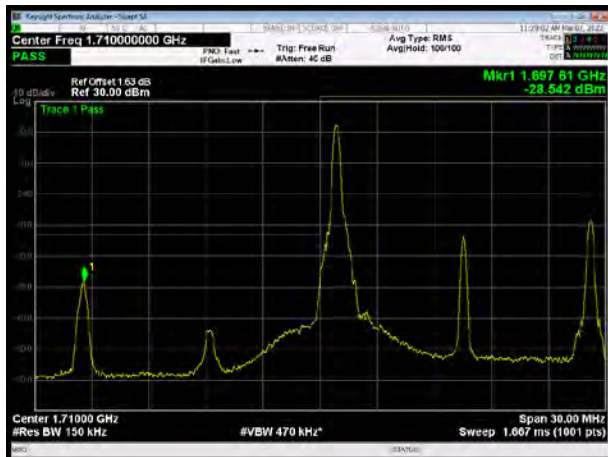
LTE Band 4 QPSK 10MHz CH-Low, 100%RB



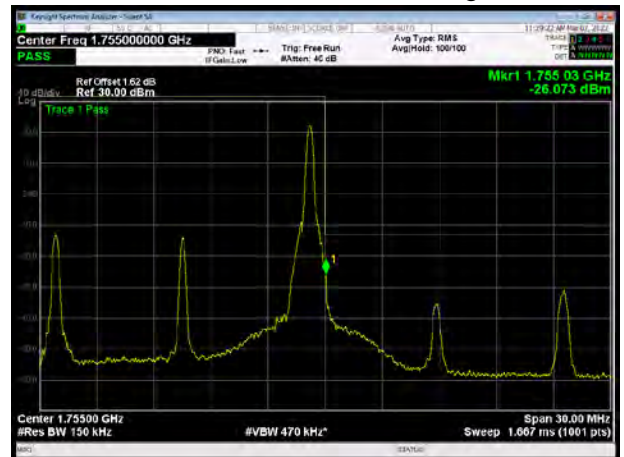
LTE Band 4 QPSK 10MHz CH-High, 100%RB



LTE Band 4 QPSK 15MHz CH-Low, 1 RB

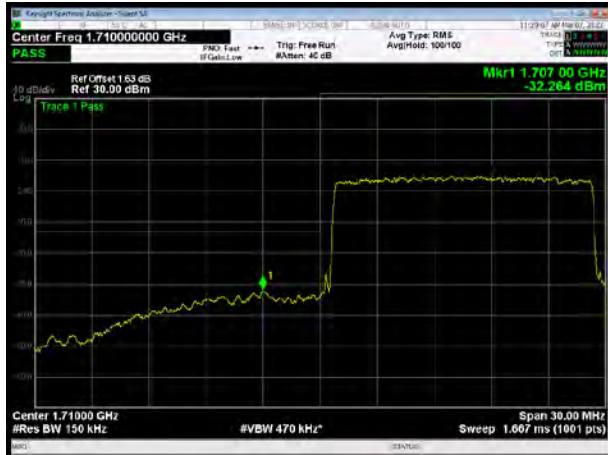


LTE Band 4 QPSK 15MHz CH-High, 1 RB





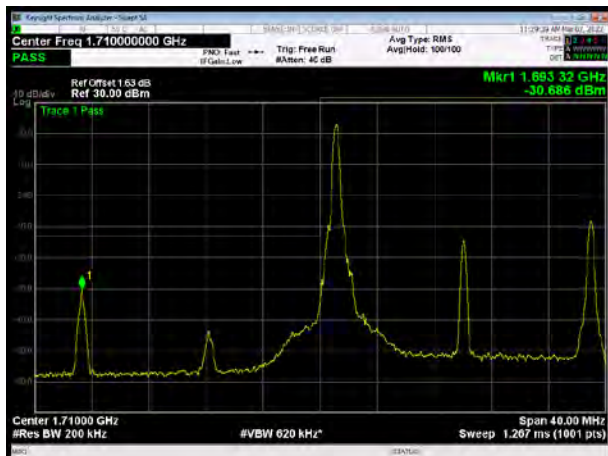
LTE Band 4 QPSK 15MHz CH-Low, 100%RB



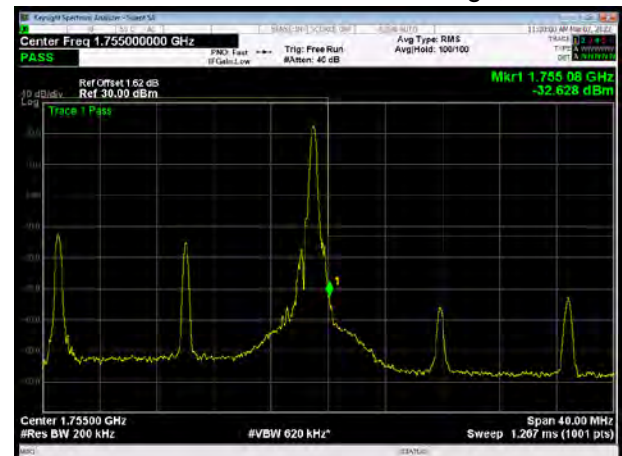
LTE Band 4 QPSK 15MHz CH-High, 100%RB



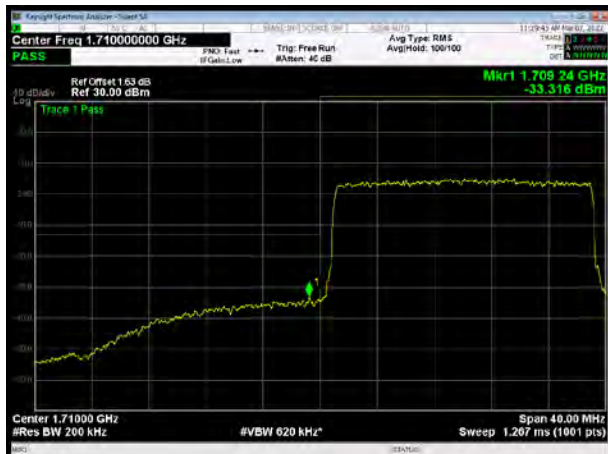
LTE Band 4 QPSK 20MHz CH-Low, 1 RB



LTE Band 4 QPSK 20MHz CH-High, 1 RB

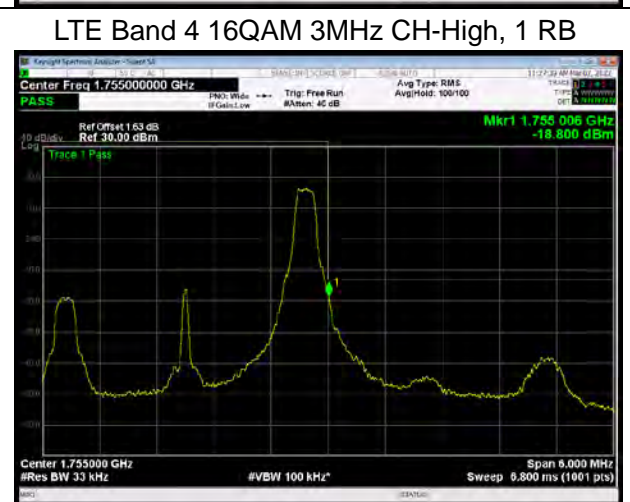
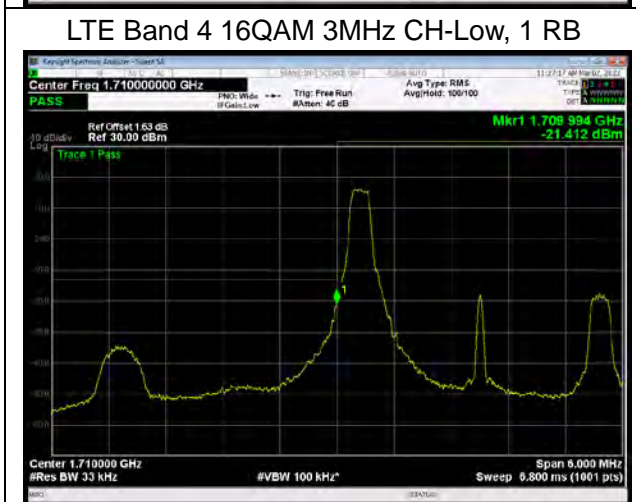
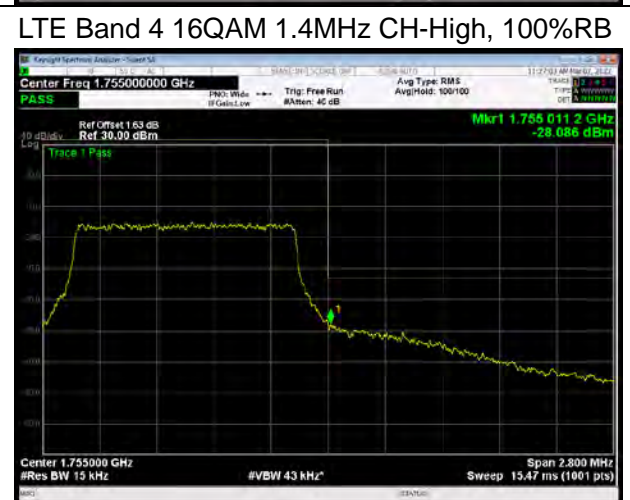
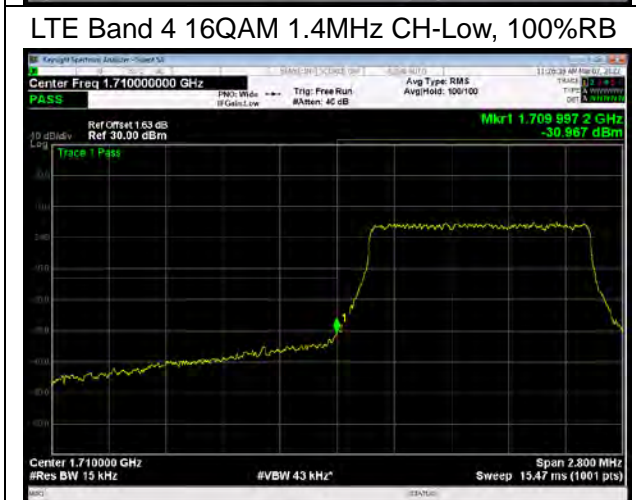
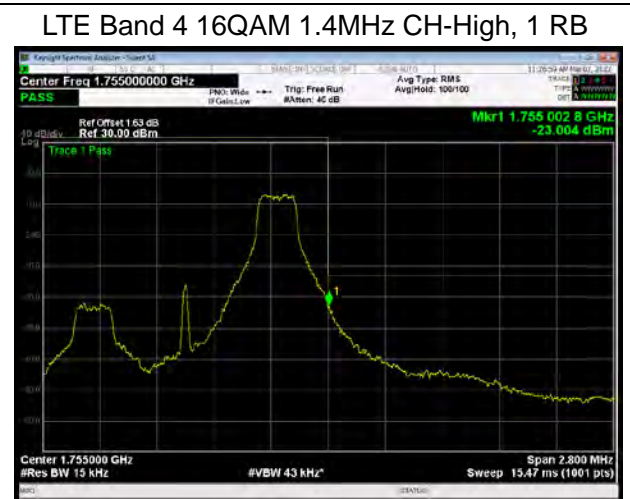
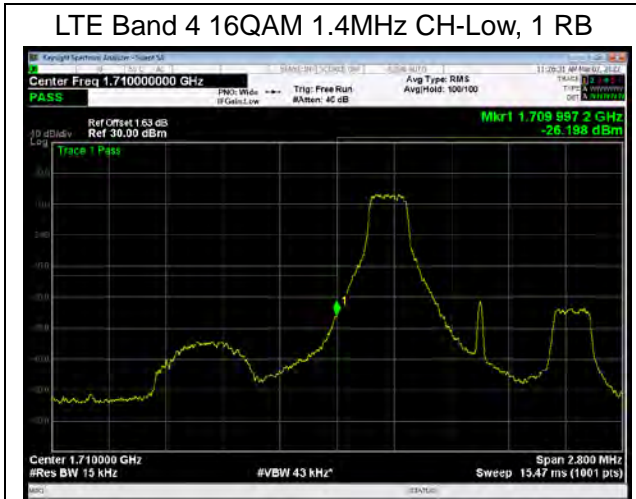


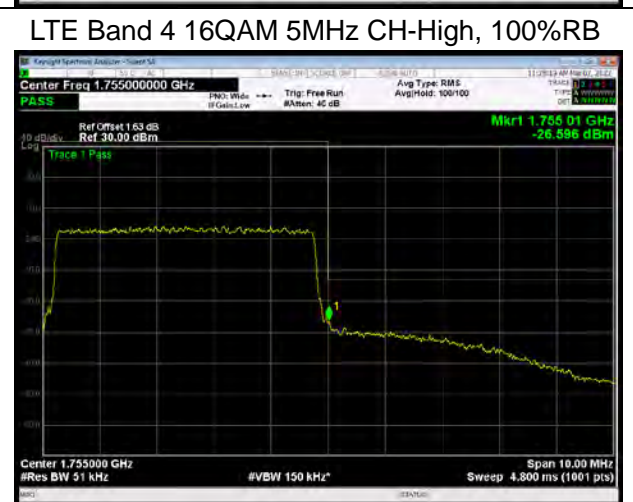
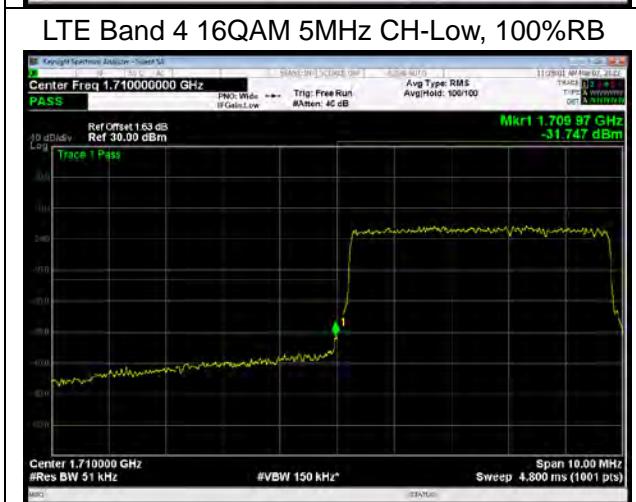
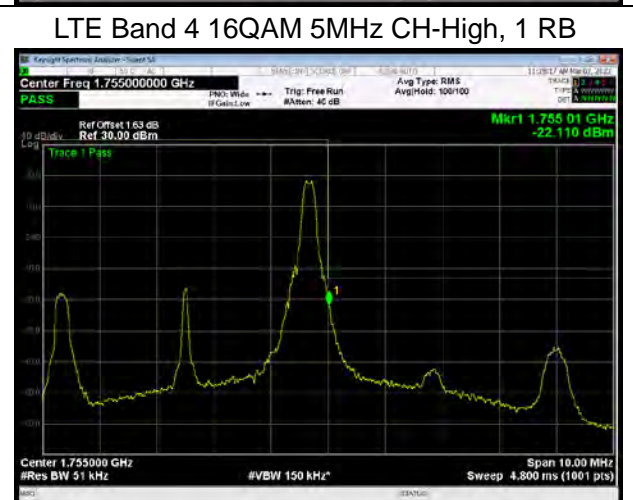
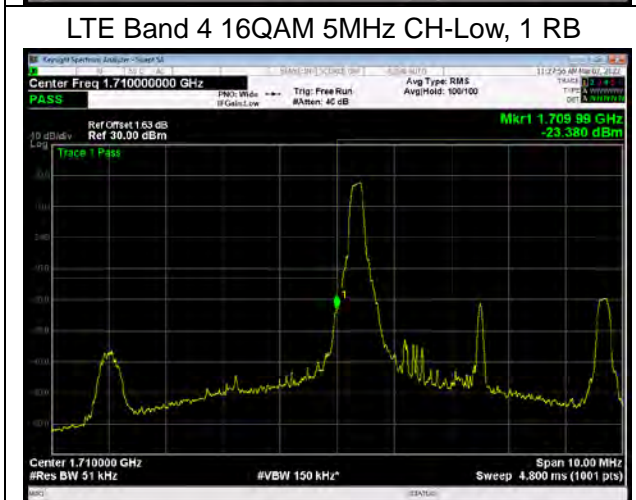
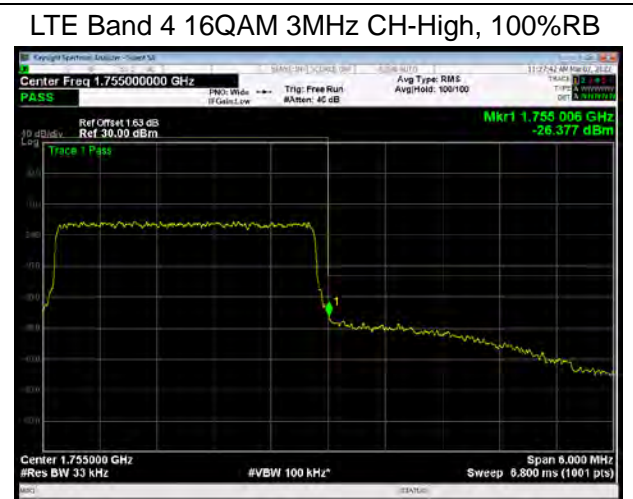
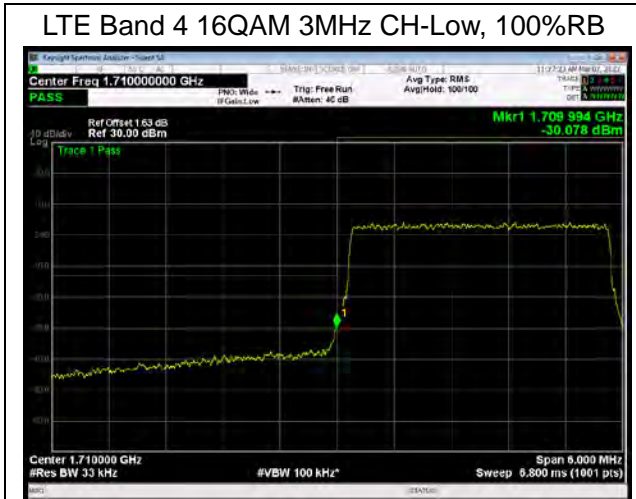
LTE Band 4 QPSK 20MHz CH-Low, 100%RB



LTE Band 4 QPSK 20MHz CH-High, 100%RB

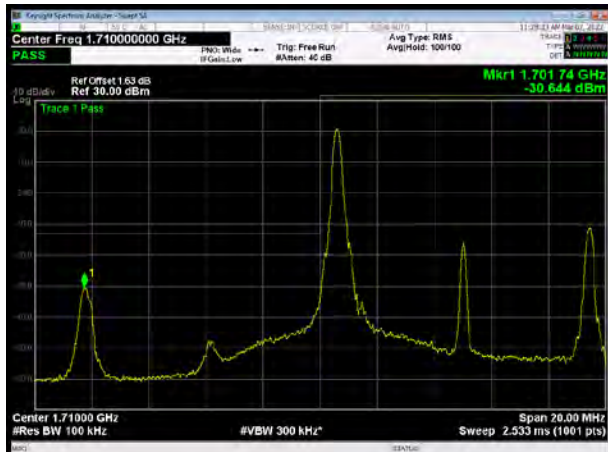




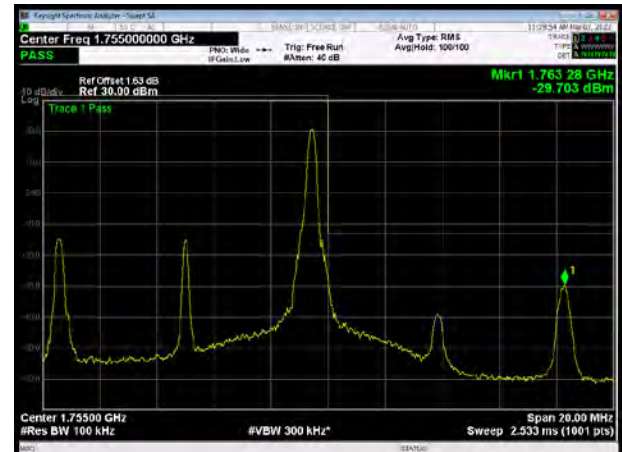




LTE Band 4 16QAM 10MHz CH-Low, 1 RB



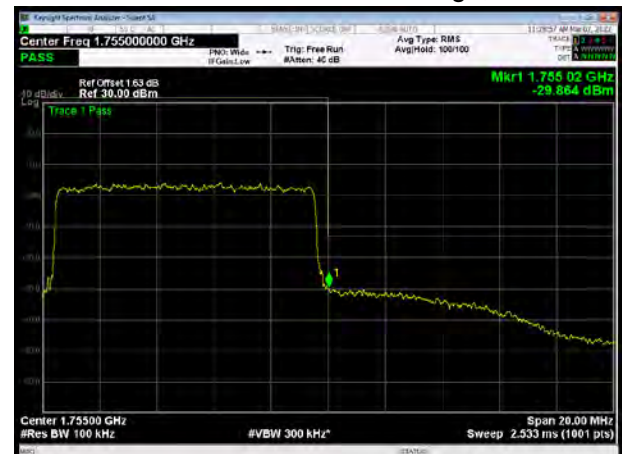
LTE Band 4 16QAM 10MHz CH-High, 1 RB



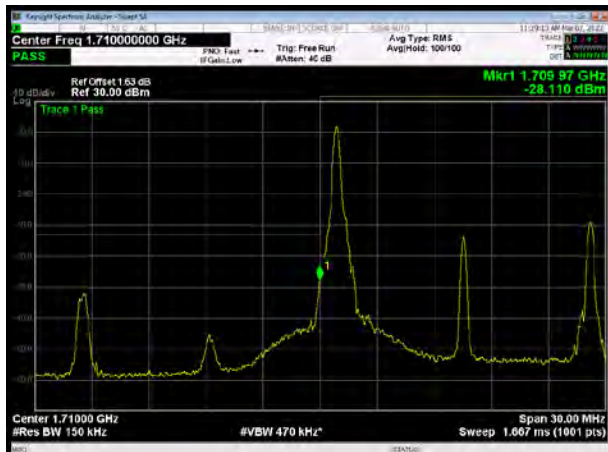
LTE Band 4 16QAM 10MHz CH-Low, 100%RB



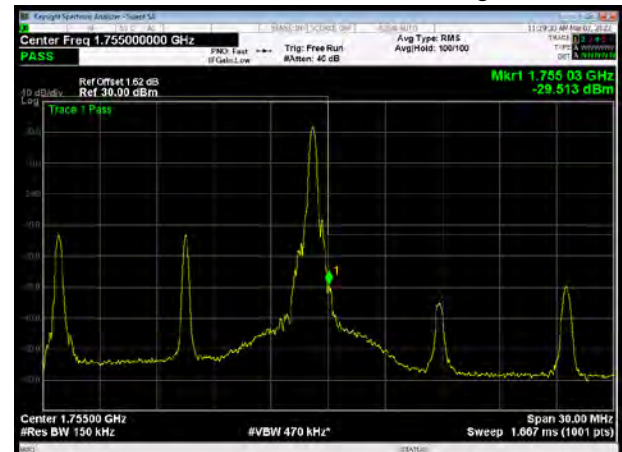
LTE Band 4 16QAM 10MHz CH-High, 100%RB

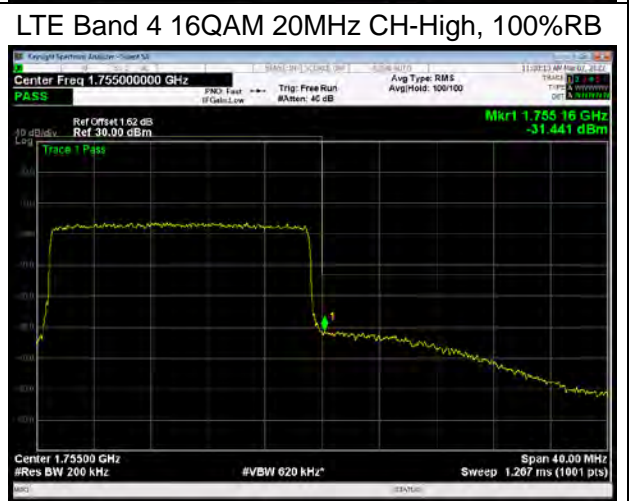
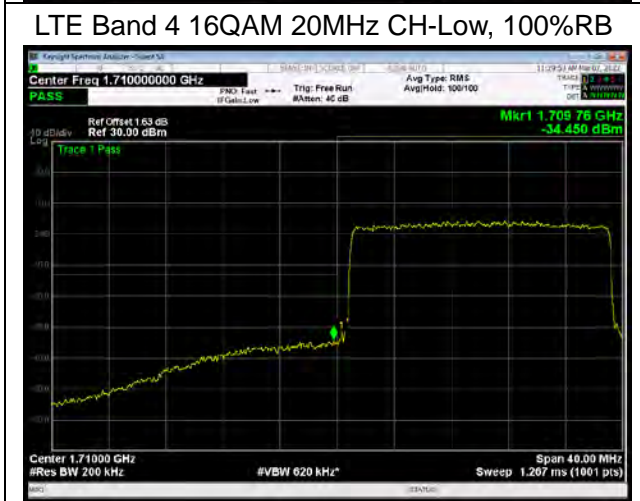
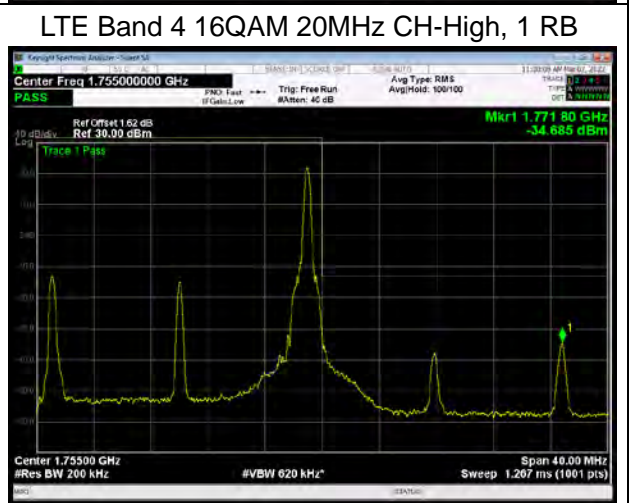
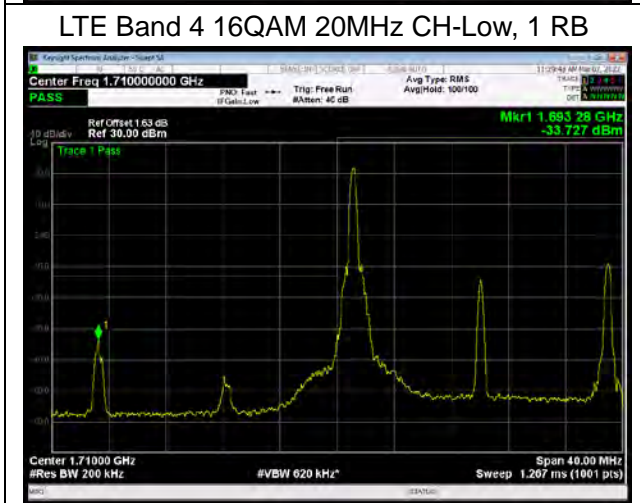
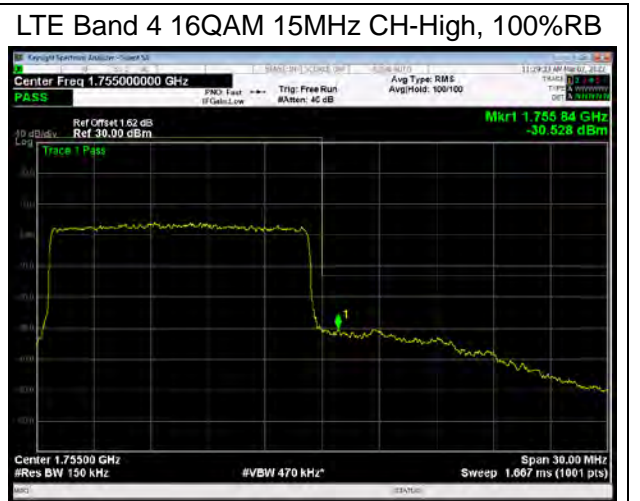
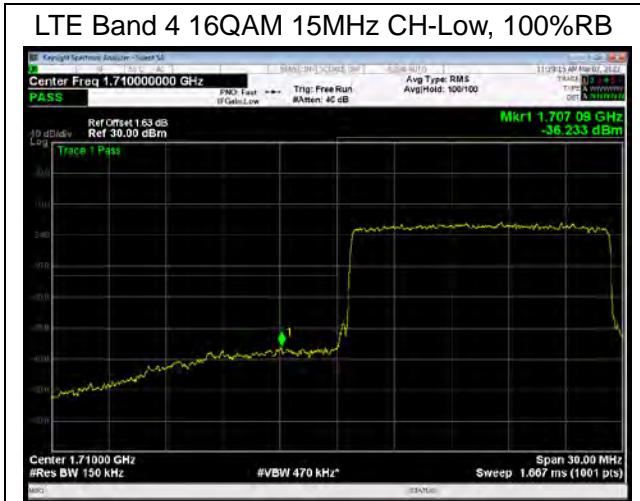


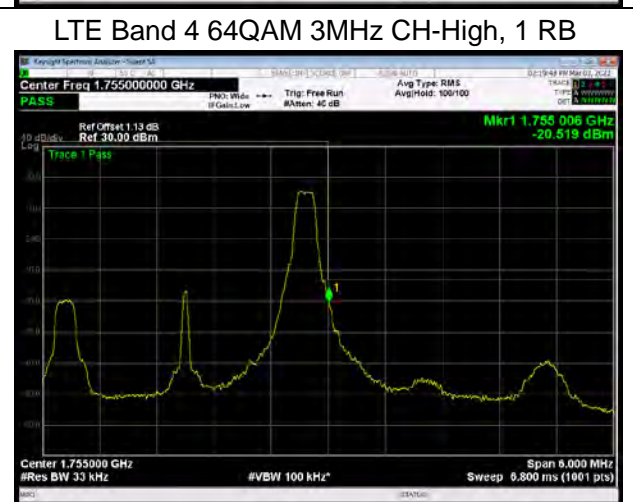
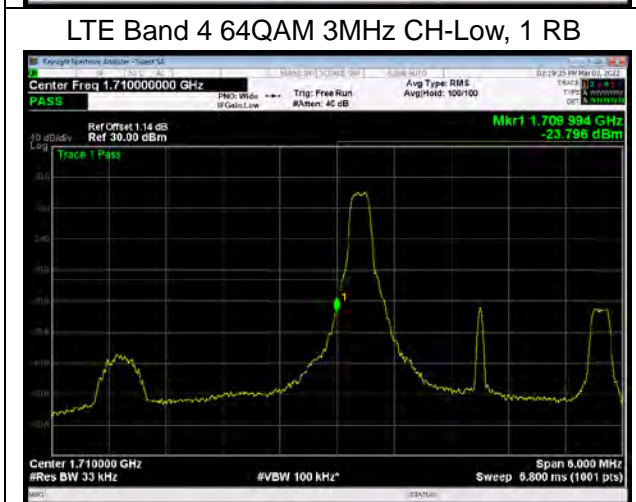
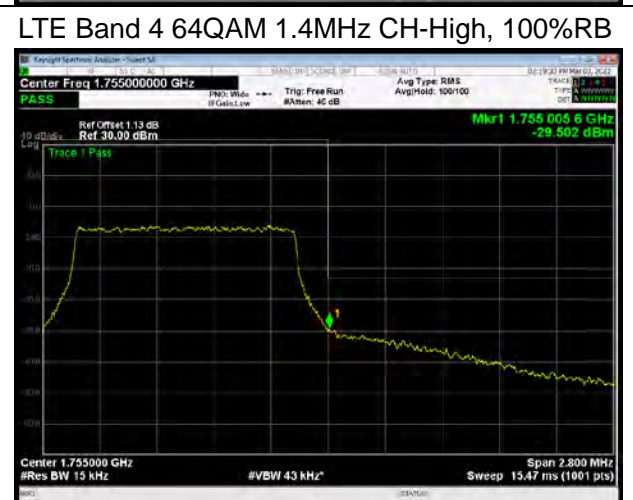
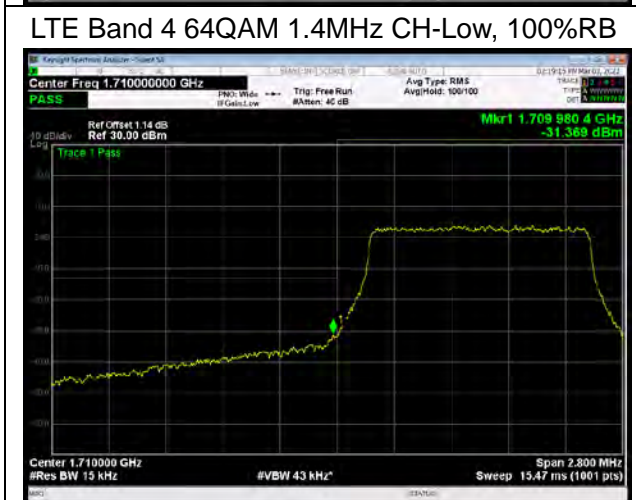
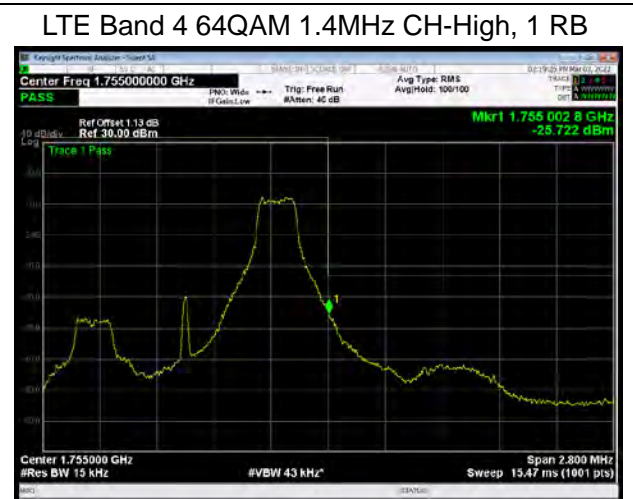
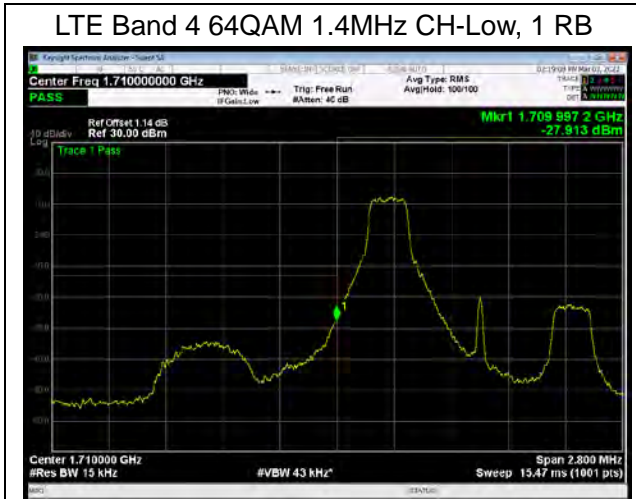
LTE Band 4 16QAM 15MHz CH-Low, 1 RB



LTE Band 4 16QAM 15MHz CH-High, 1 RB

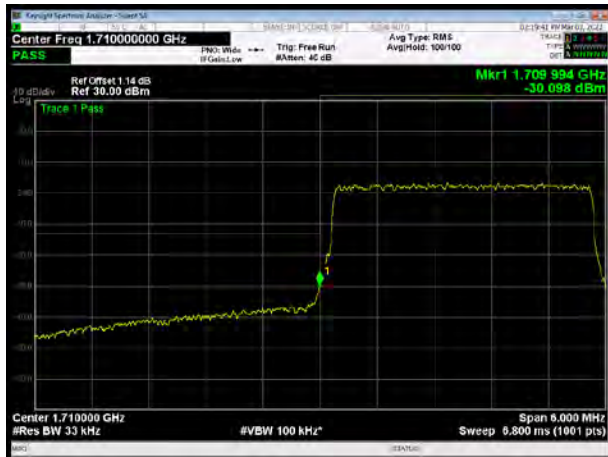








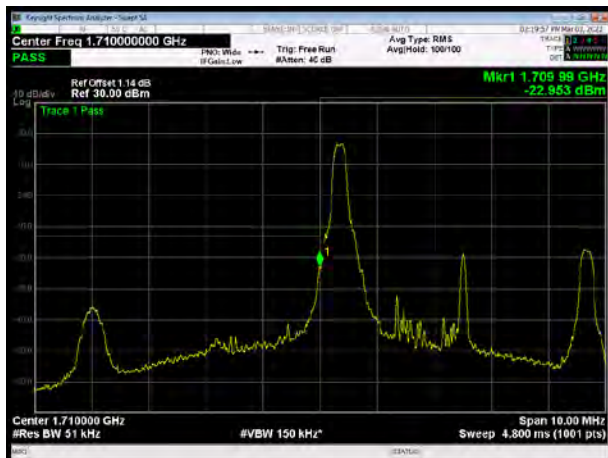
LTE Band 4 64QAM 3MHz CH-Low, 100%RB



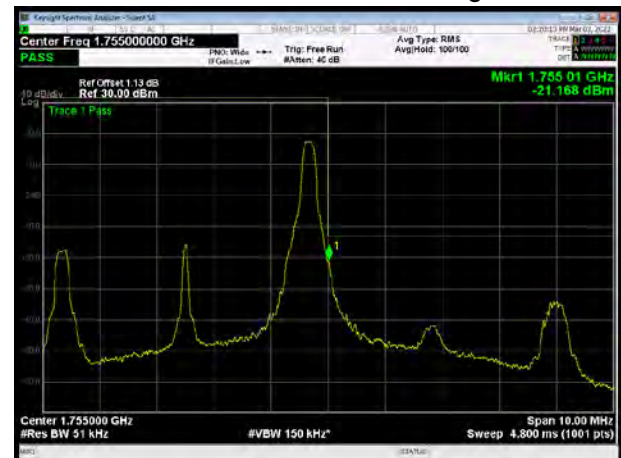
LTE Band 4 64QAM 3MHz CH-High, 100%RB



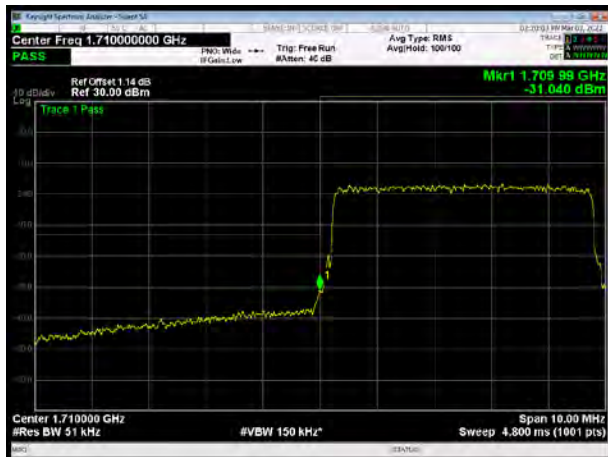
LTE Band 4 64QAM 5MHz CH-Low, 1 RB



LTE Band 4 64QAM 5MHz CH-High, 1 RB



LTE Band 4 64QAM 5MHz CH-Low, 100%RB

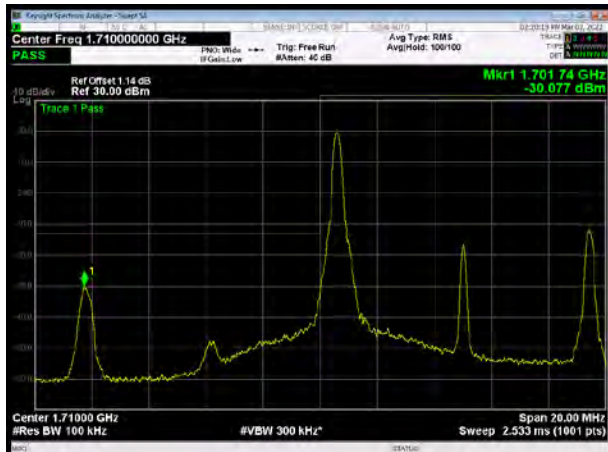


LTE Band 4 64QAM 5MHz CH-High, 100%RB

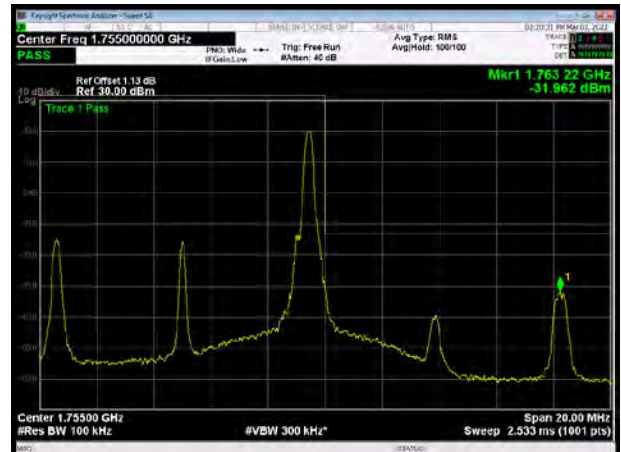




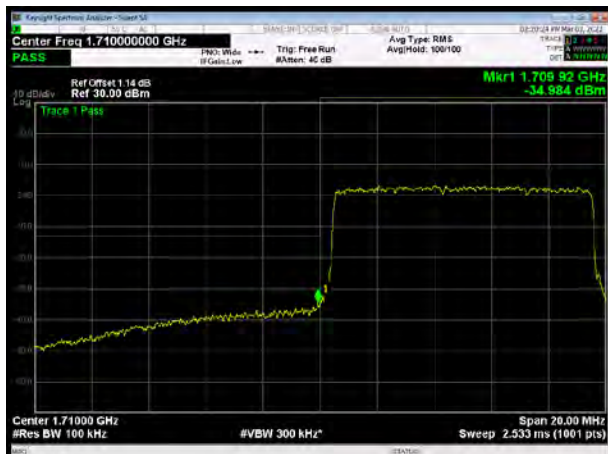
LTE Band 4 64QAM 10MHz CH-Low, 1 RB



LTE Band 4 64QAM 10MHz CH-High, 1 RB



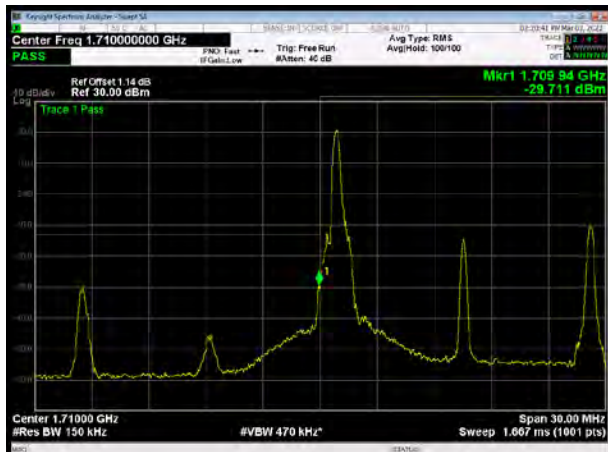
LTE Band 4 64QAM 10MHz CH-Low, 100%RB



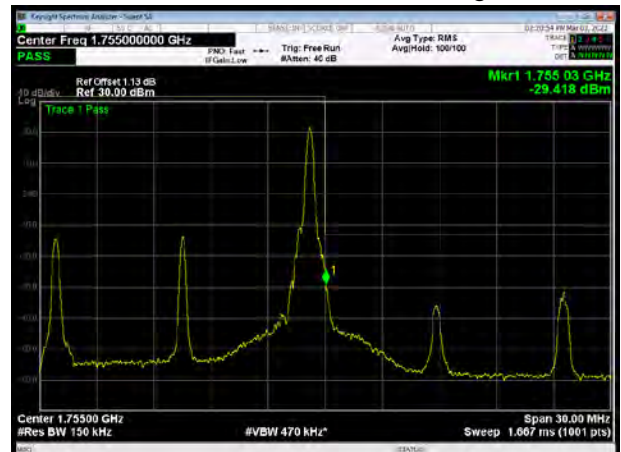
LTE Band 4 64QAM 10MHz CH-High, 100%RB

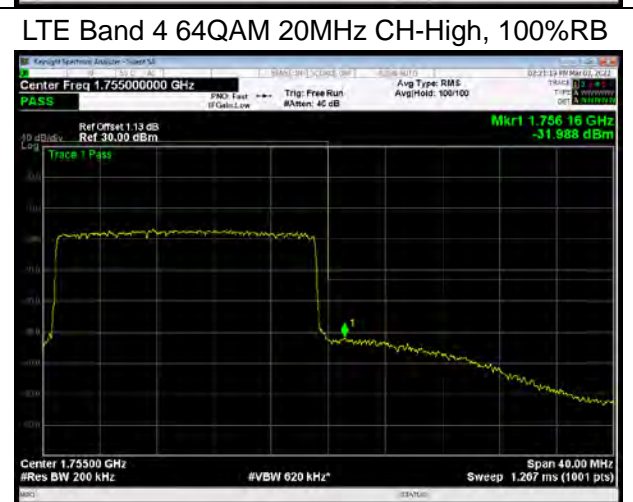
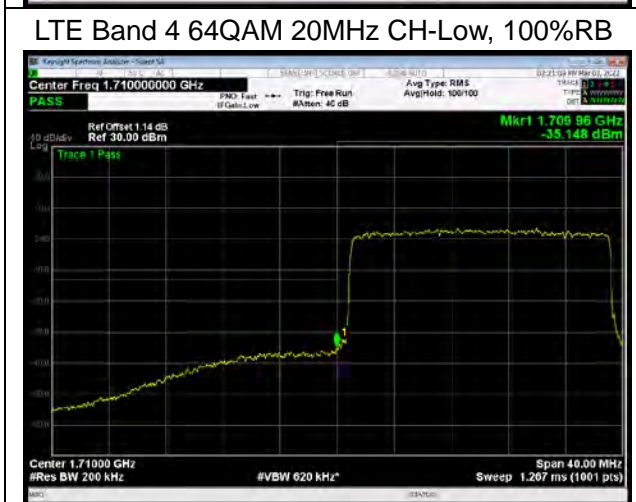
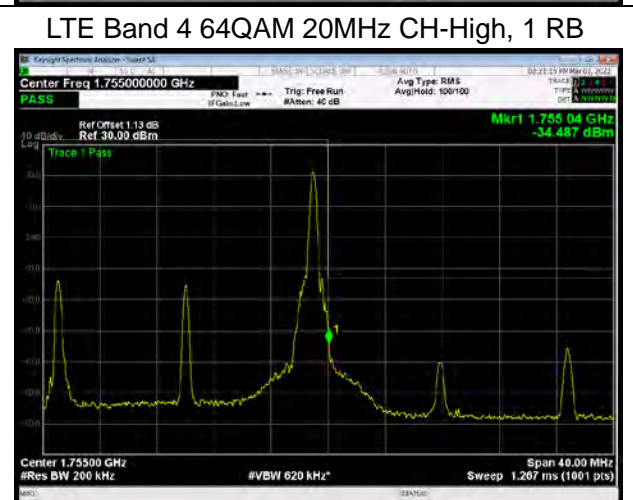
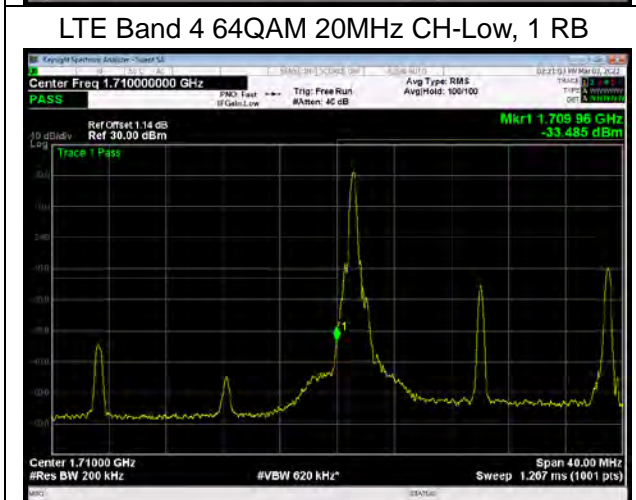
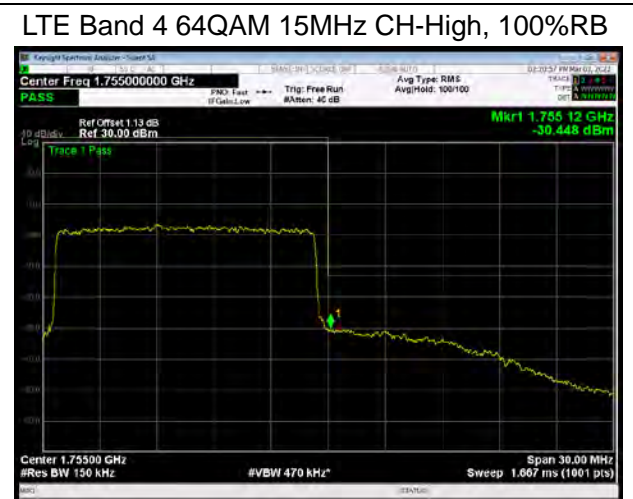
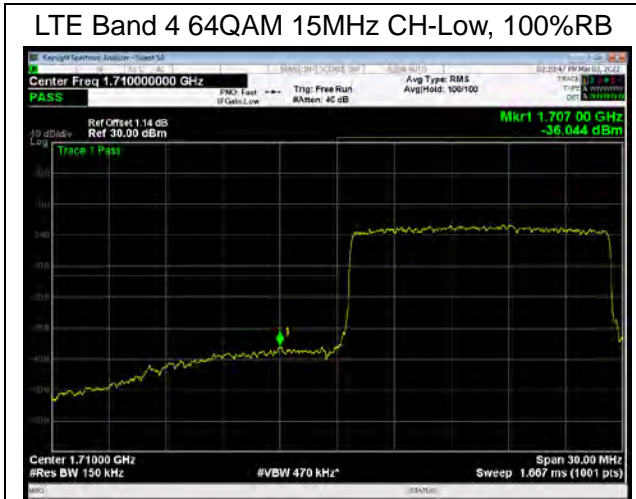


LTE Band 4 64QAM 15MHz CH-Low, 1 RB

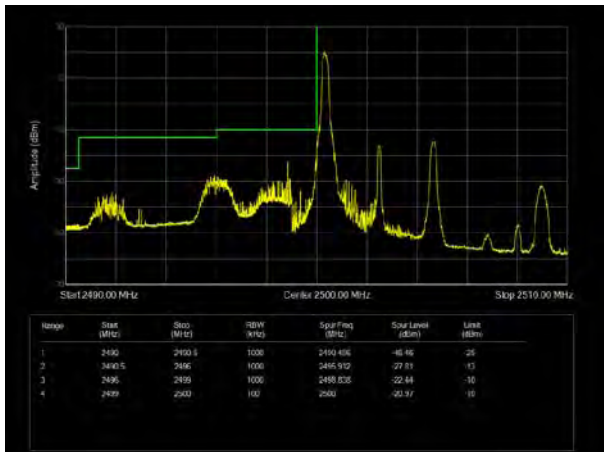


LTE Band 4 64QAM 15MHz CH-High, 1 RB

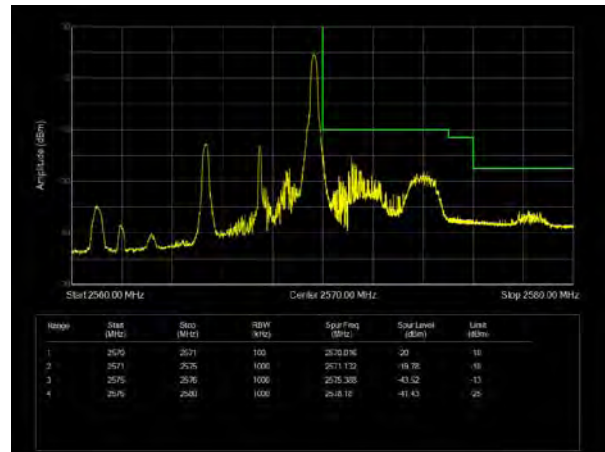




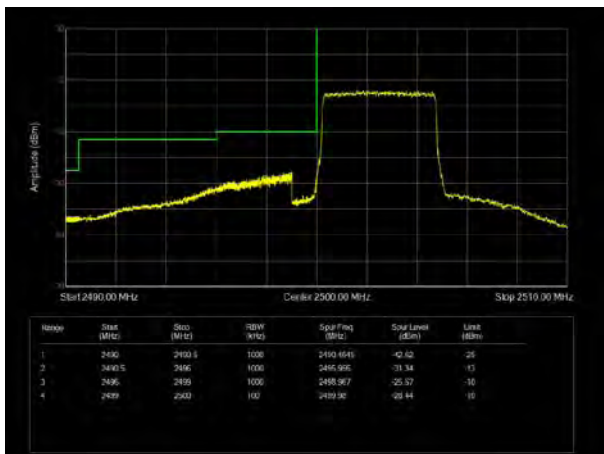
LTE Band 7 QPSK 5MHz CH-Low, 1 RB



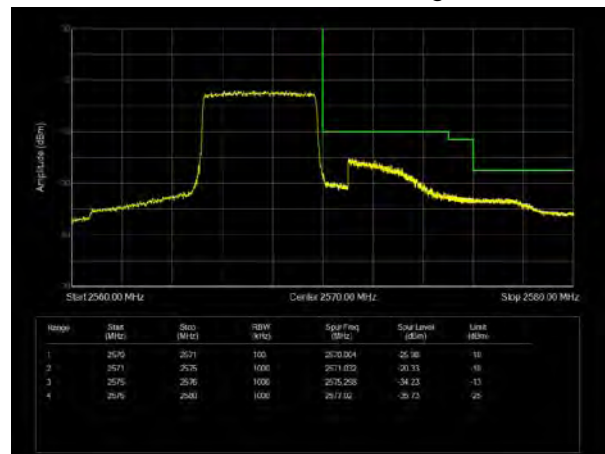
LTE Band 7 QPSK 5MHz CH-High, 1 RB



LTE Band 7 QPSK 5MHz CH-Low, 100%RB



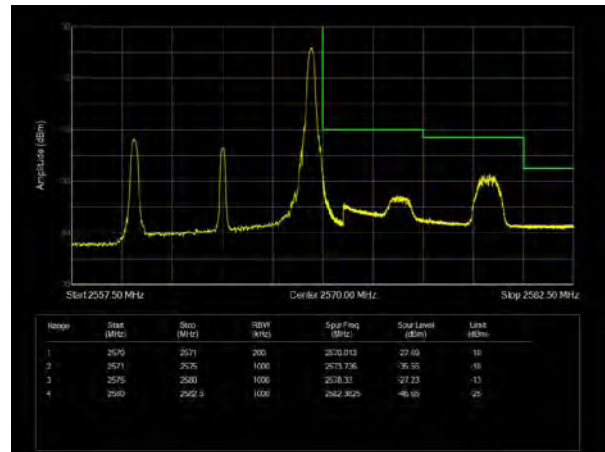
LTE Band 7 QPSK 5MHz CH-High, 100%RB



LTE Band 7 QPSK 10MHz CH-Low, 1 RB

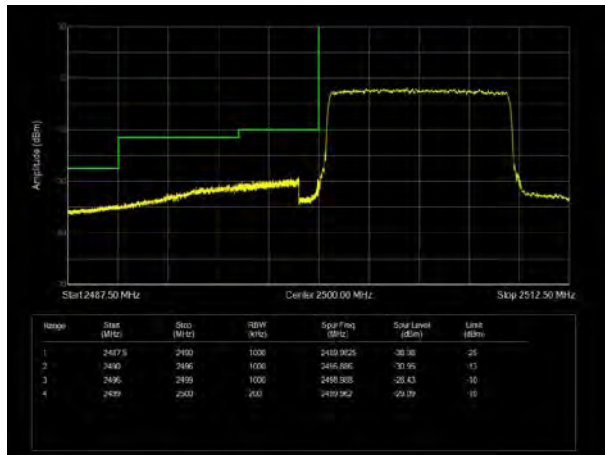


LTE Band 7 QPSK 10MHz CH-High, 1 RB

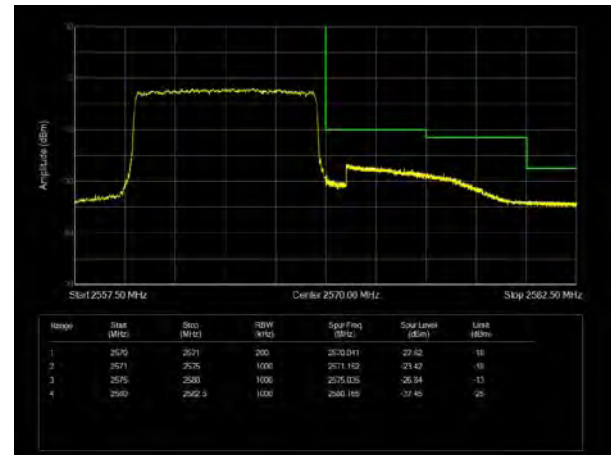




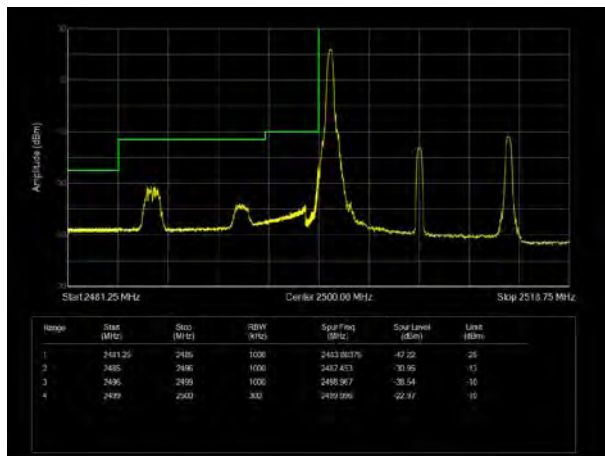
LTE Band 7 QPSK 10MHz CH-Low, 100%RB



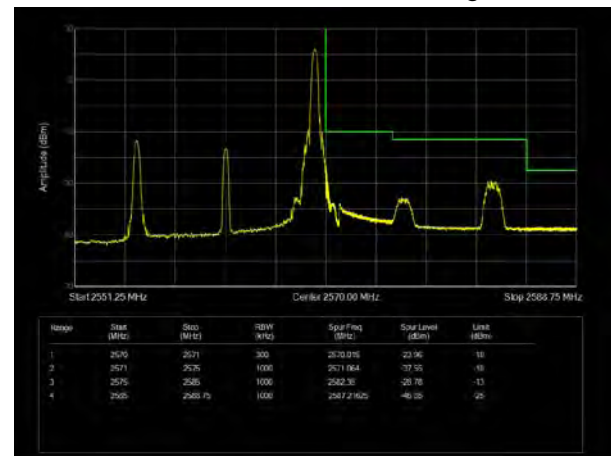
LTE Band 7 QPSK 10MHz CH-High, 100%RB



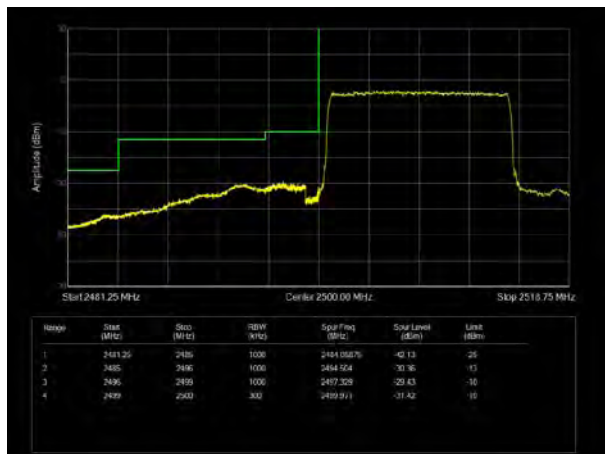
LTE Band 7 QPSK 15MHz CH-Low, 1 RB



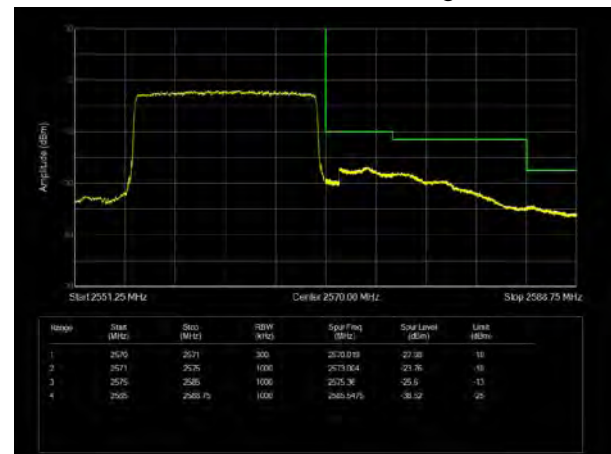
LTE Band 7 QPSK 15MHz CH-High, 1 RB



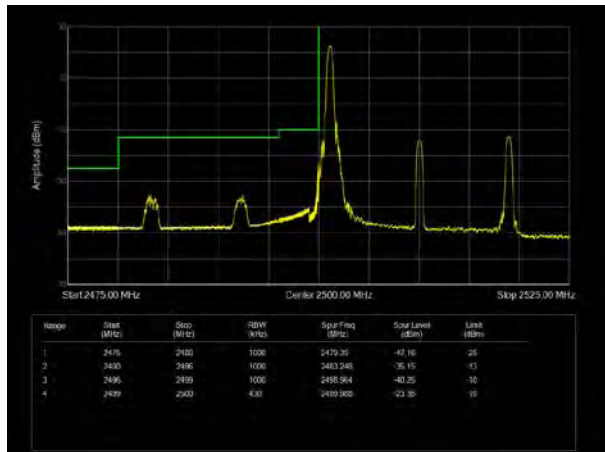
LTE Band 7 QPSK 15MHz CH-Low, 100%RB



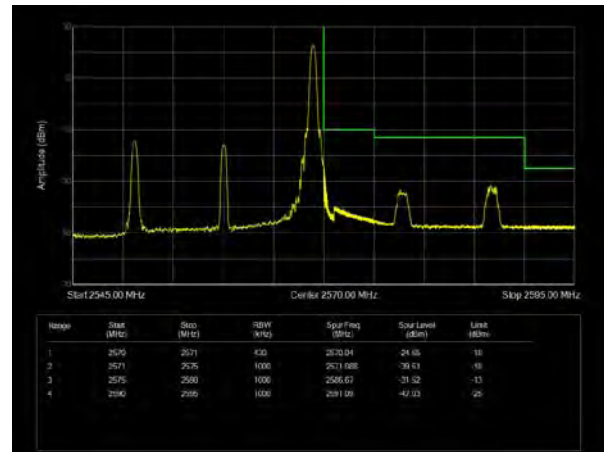
LTE Band 7 QPSK 15MHz CH-High, 100%RB



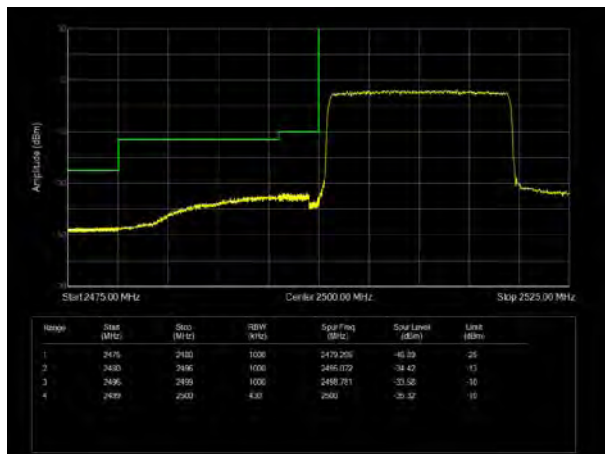
LTE Band 7 QPSK 20MHz CH-Low, 1 RB



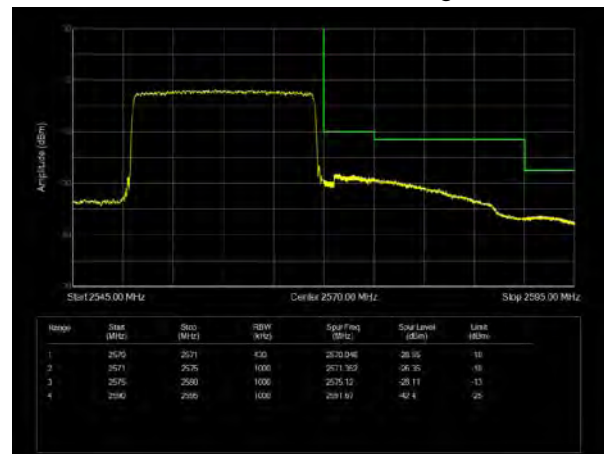
LTE Band 7 QPSK 20MHz CH-High, 1 RB



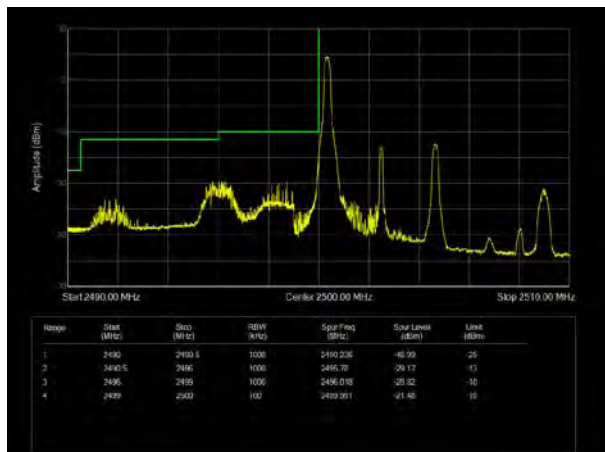
LTE Band 7 QPSK 20MHz CH-Low, 100%RB



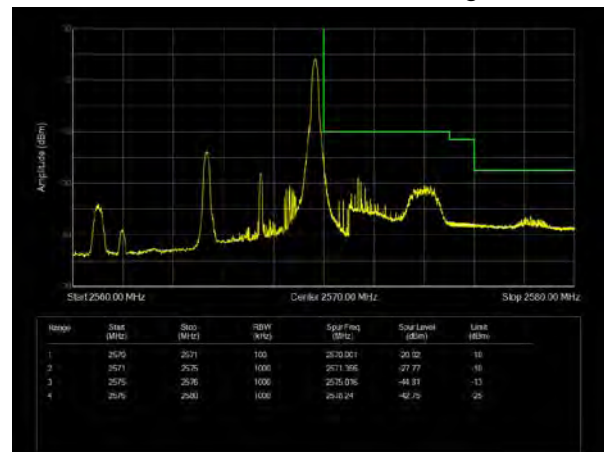
LTE Band 7 QPSK 20MHz CH-High, 100%RB



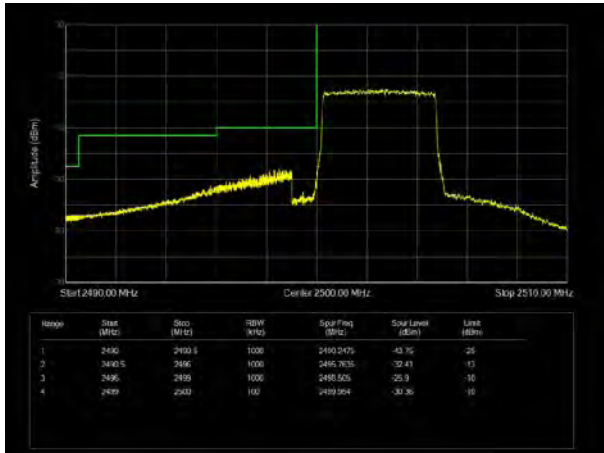
LTE Band 7 16QAM 5MHz CH-Low, 1 RB



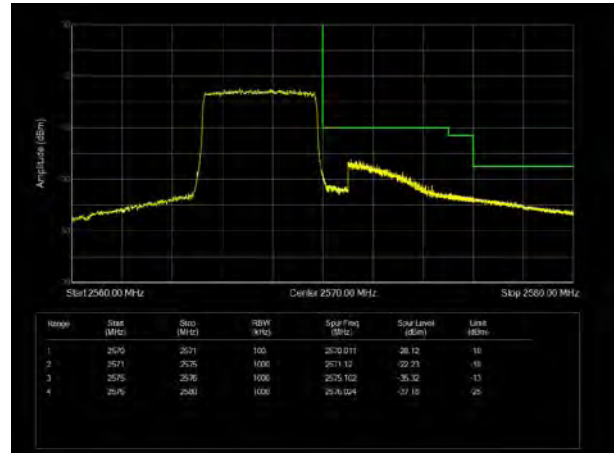
LTE Band 7 16QAM 5MHz CH-High, 1 RB



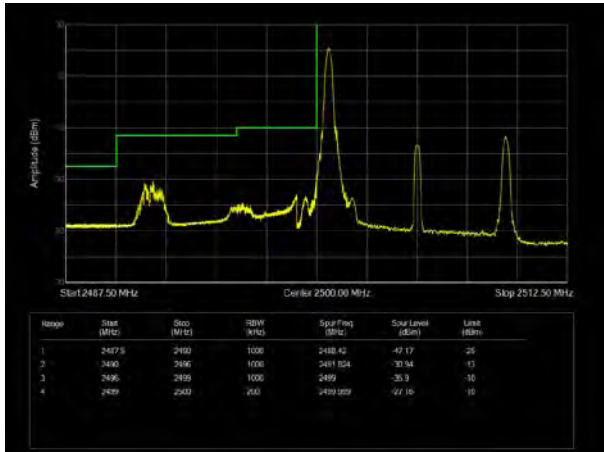
LTE Band 7 16QAM 5MHz CH-Low, 100%RB



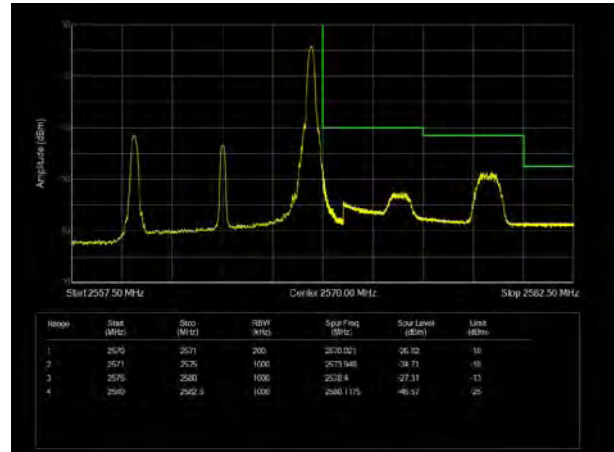
LTE Band 7 16QAM 5MHz CH-High, 100%RB



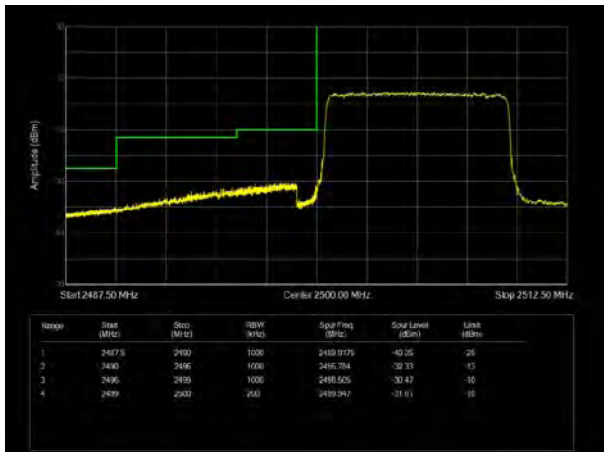
LTE Band 7 16QAM 10MHz CH-Low, 1 RB



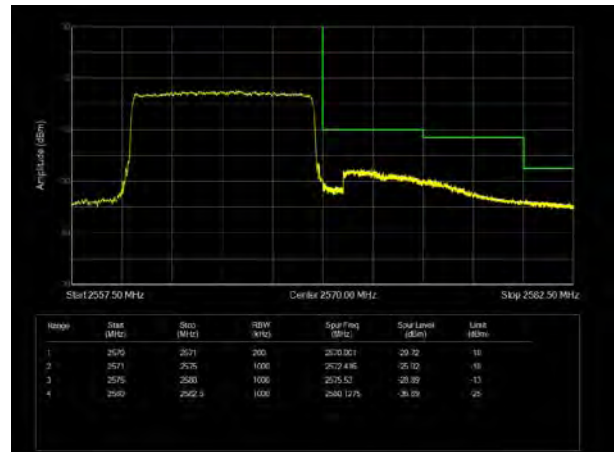
LTE Band 7 16QAM 10MHz CH-High, 1 RB



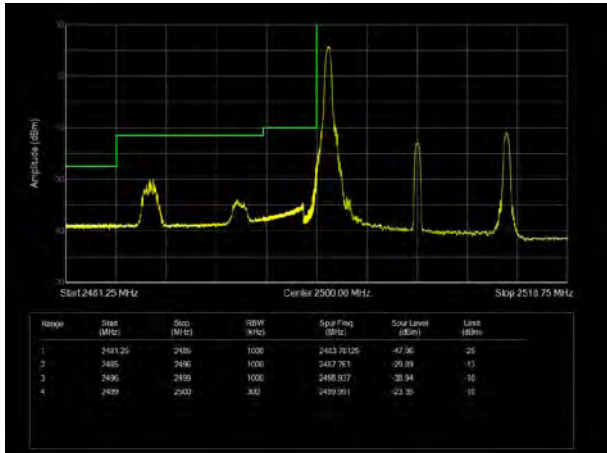
LTE Band 7 16QAM 10MHz CH-Low, 100%RB



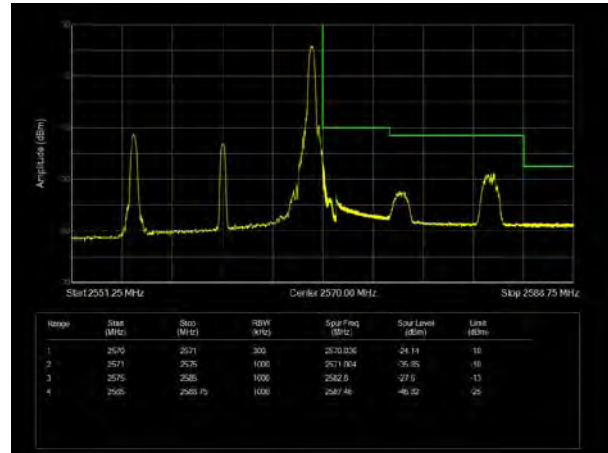
LTE Band 7 16QAM 10MHz CH-High, 100%RB



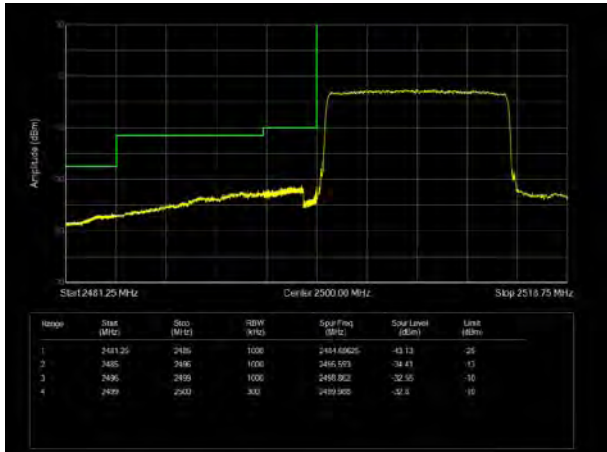
LTE Band 7 16QAM 15MHz CH-Low, 1 RB



LTE Band 7 16QAM 15MHz CH-High, 1 RB



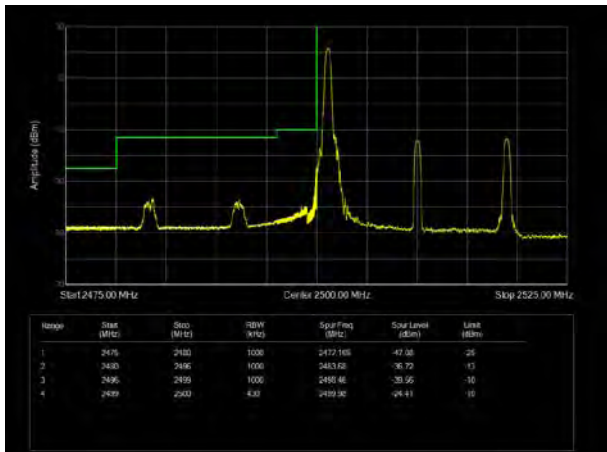
LTE Band 7 16QAM 15MHz CH-Low, 100%RB



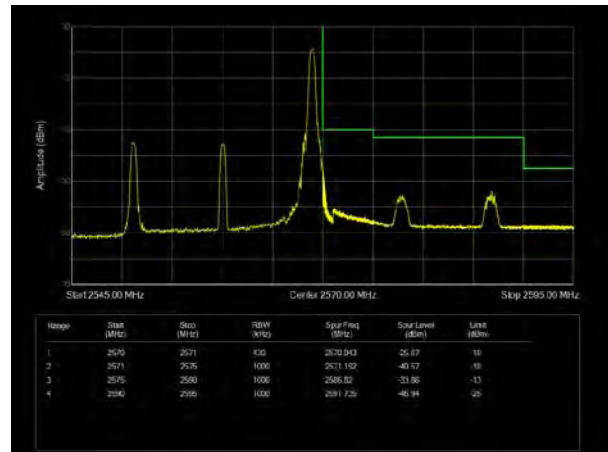
LTE Band 7 16QAM 15MHz CH-High, 100%RB



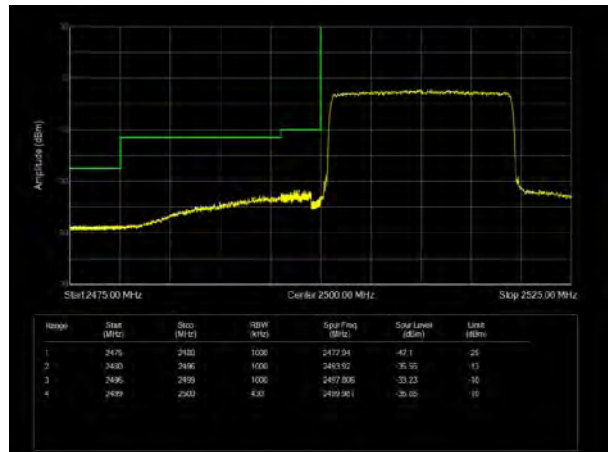
LTE Band 7 16QAM 20MHz CH-Low, 1 RB



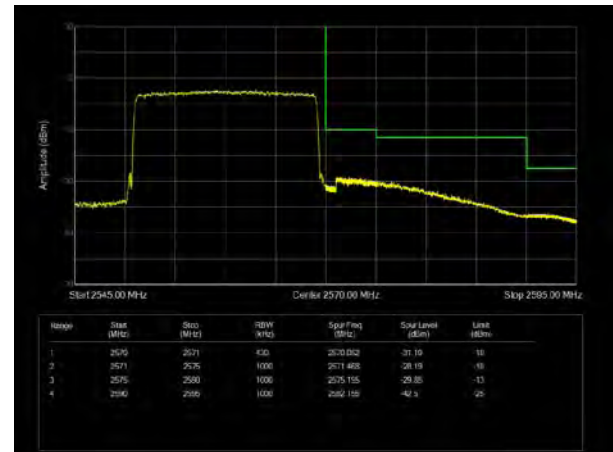
LTE Band 7 16QAM 20MHz CH-High, 1 RB



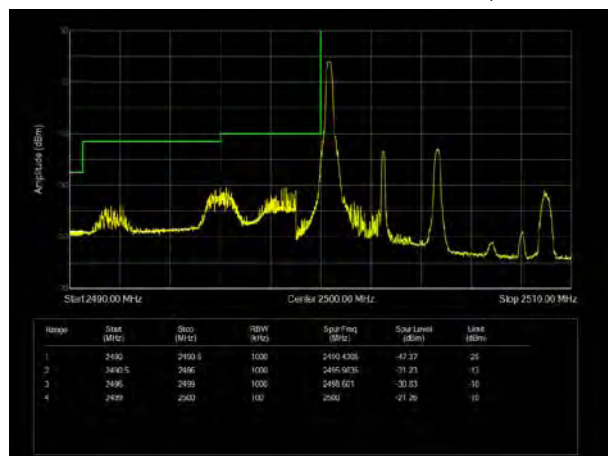
LTE Band 7 16QAM 20MHz CH-Low, 100%RB



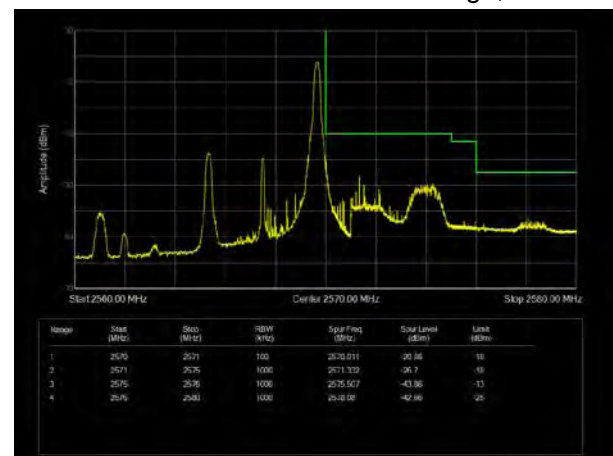
LTE Band 7 16QAM 20MHz CH-High, 100%RB



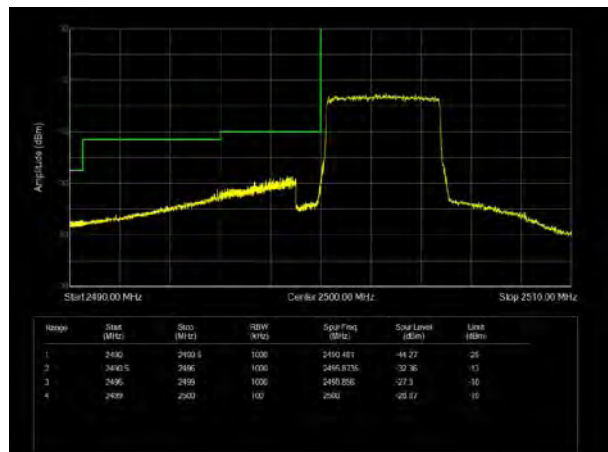
LTE Band 7 64QAM 5MHz CH-Low, 1 RB



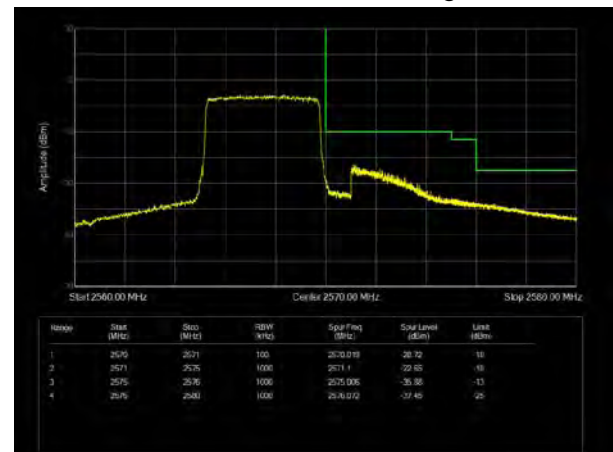
LTE Band 7 64QAM 5MHz CH-High, 1 RB



LTE Band 7 64QAM 5MHz CH-Low, 100%RB

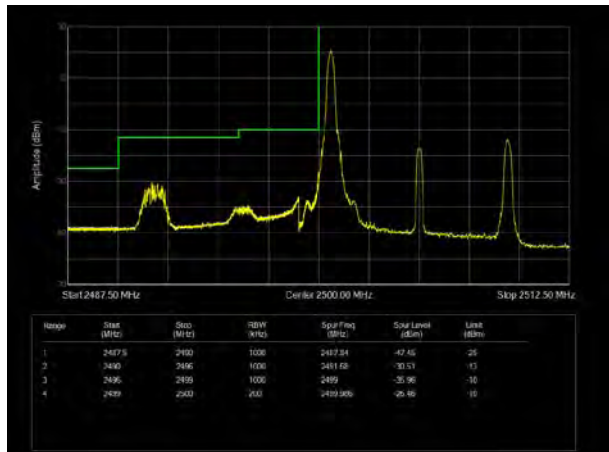


LTE Band 7 64QAM 5MHz CH-High, 100%RB

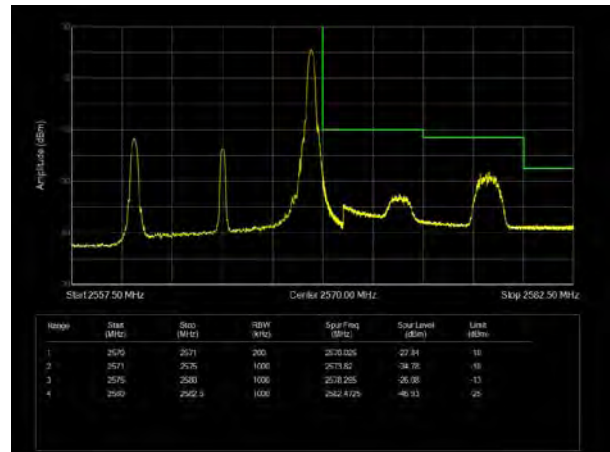




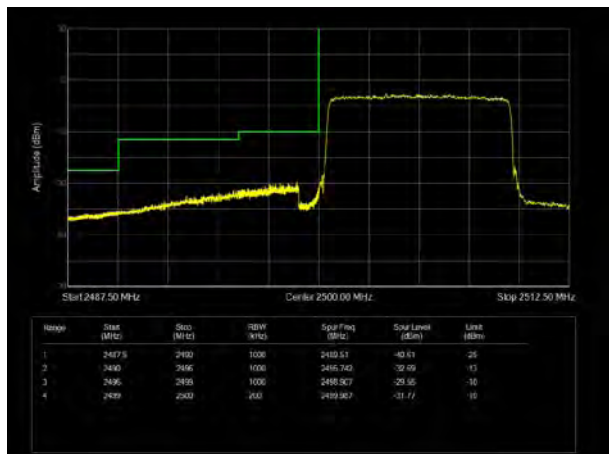
LTE Band 7 64QAM 10MHz CH-Low, 1 RB



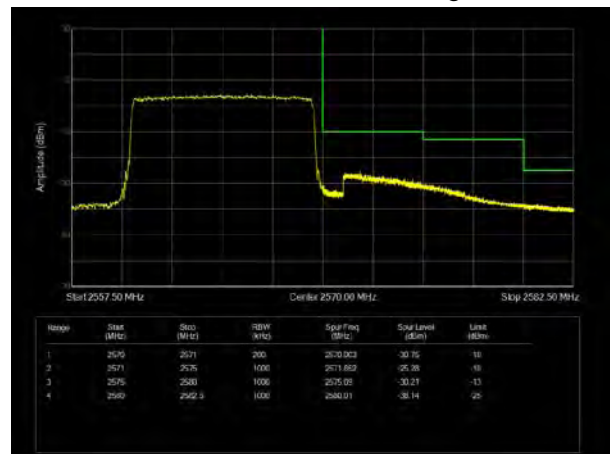
LTE Band 7 64QAM 10MHz CH-High, 1 RB



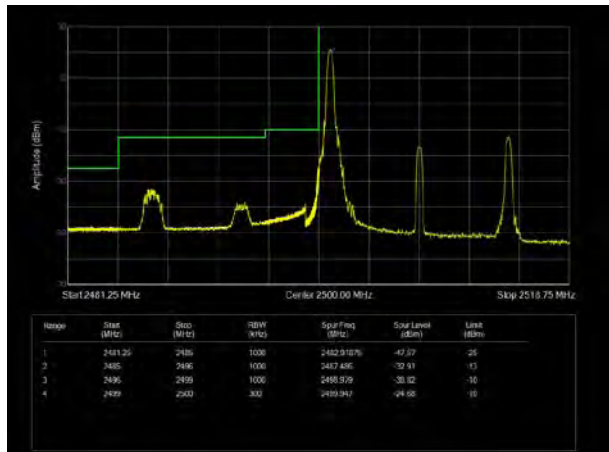
LTE Band 7 64QAM 10MHz CH-Low, 100%RB



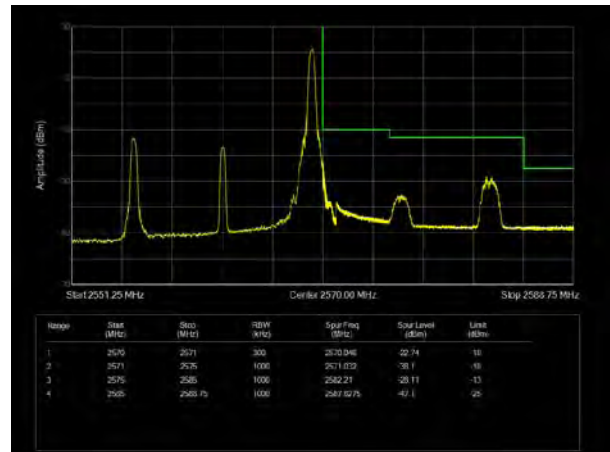
LTE Band 7 64QAM 10MHz CH-High, 100%RB



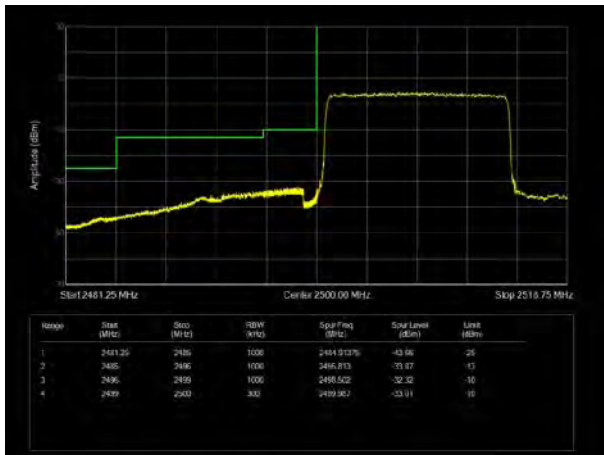
LTE Band 7 64QAM 15MHz CH-Low, 1 RB



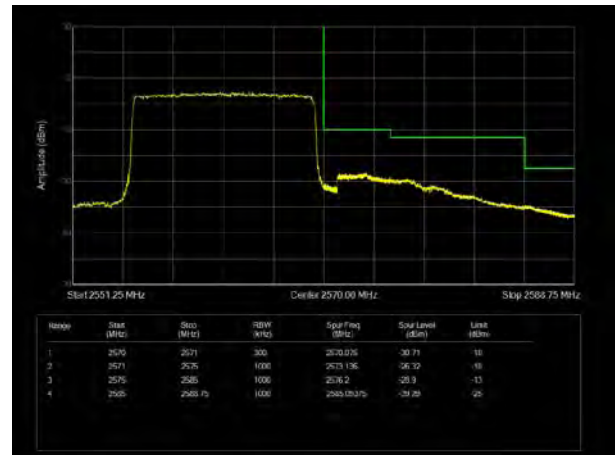
LTE Band 7 64QAM 15MHz CH-High, 1 RB



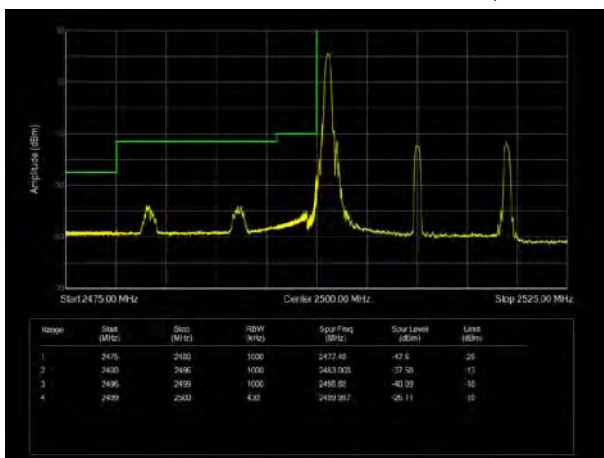
LTE Band 7 64QAM 15MHz CH-Low, 100%RB



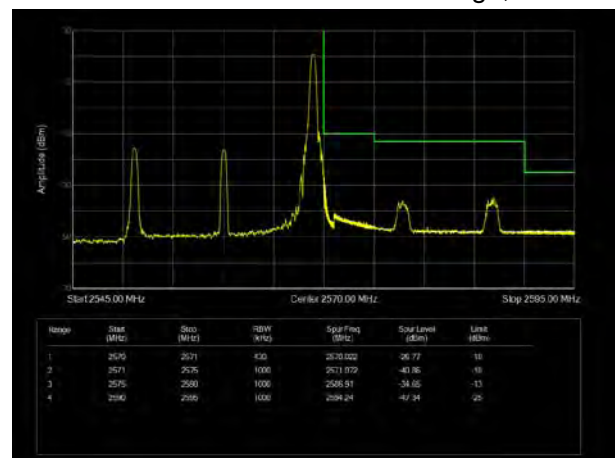
LTE Band 7 64QAM 15MHz CH-High, 100%RB



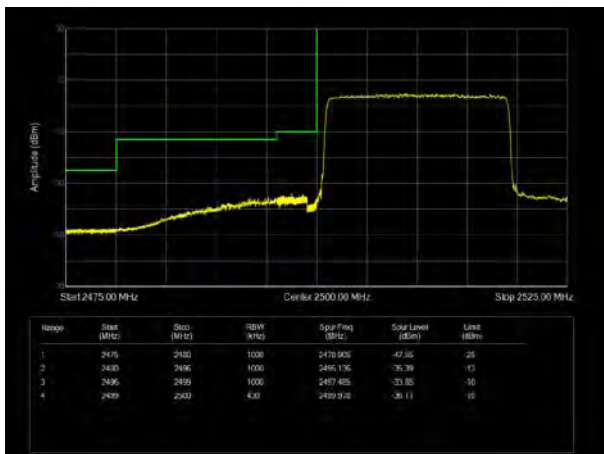
LTE Band 7 64QAM 20MHz CH-Low, 1 RB



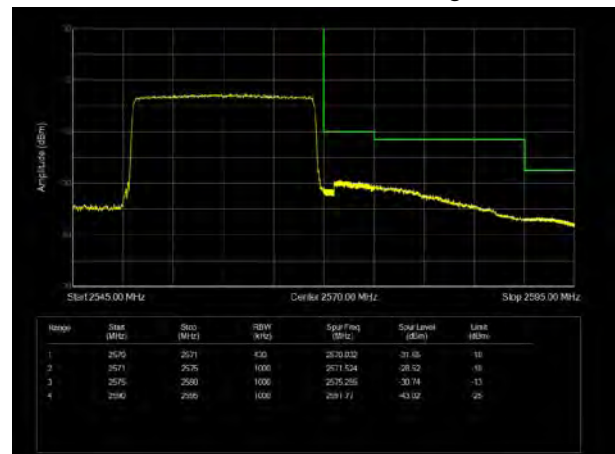
LTE Band 7 64QAM 20MHz CH-High, 1 RB



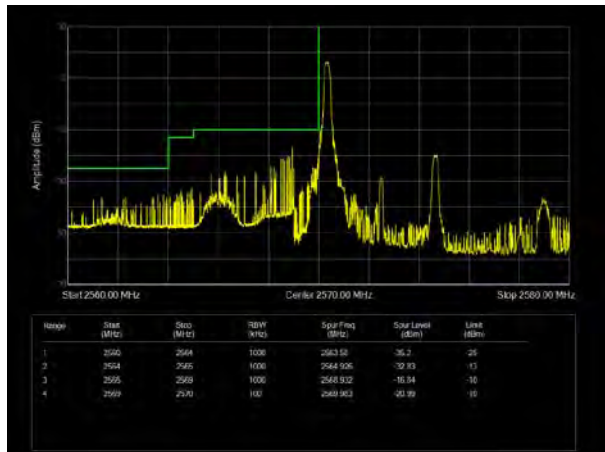
LTE Band 7 64QAM 20MHz CH-Low, 100%RB



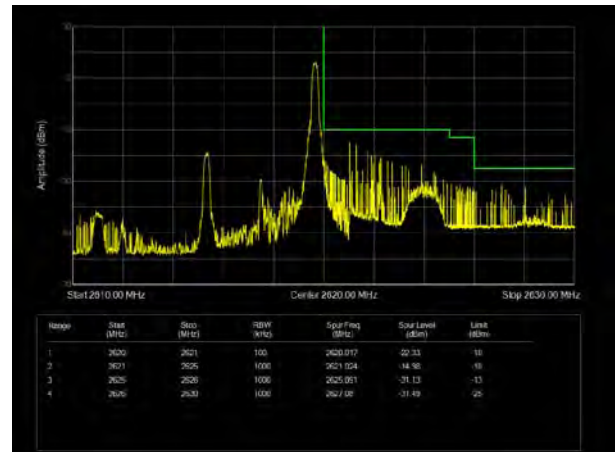
LTE Band 7 64QAM 20MHz CH-High, 100%RB



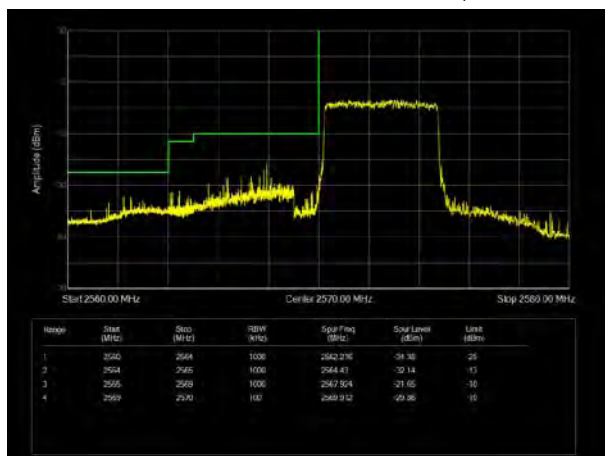
LTE Band 38 QPSK 5MHz CH-Low, 1 RB



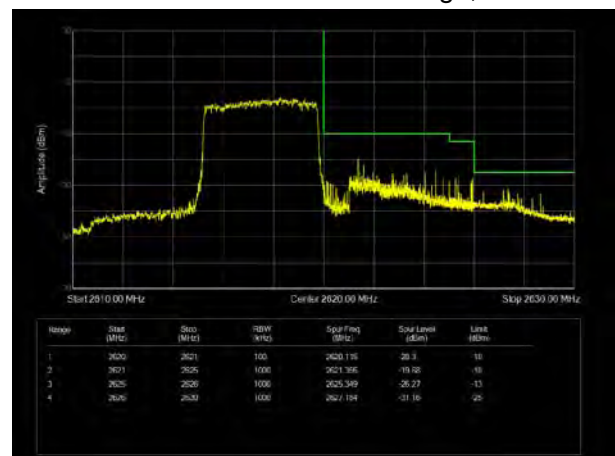
LTE Band 38 QPSK 5MHz CH-High, 1 RB



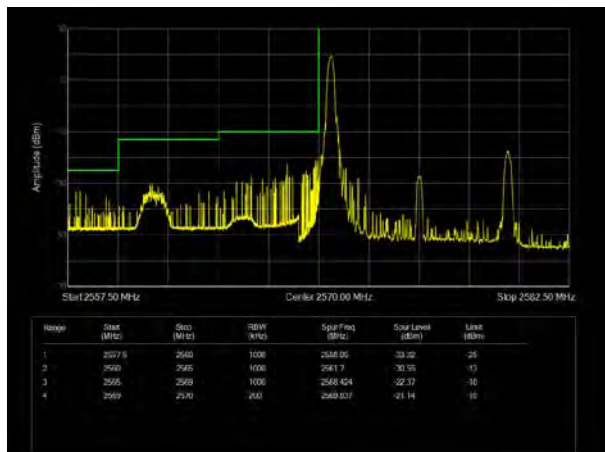
LTE Band 38 QPSK 5MHz CH-Low, 100%RB



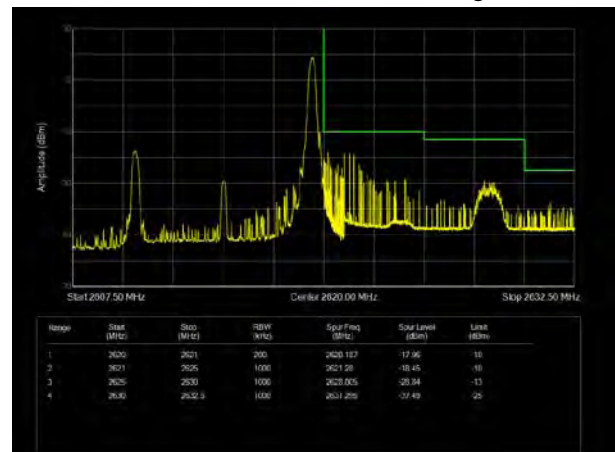
LTE Band 38 QPSK 5MHz CH-High, 100%RB



LTE Band 38 QPSK 10MHz CH-Low, 1 RB

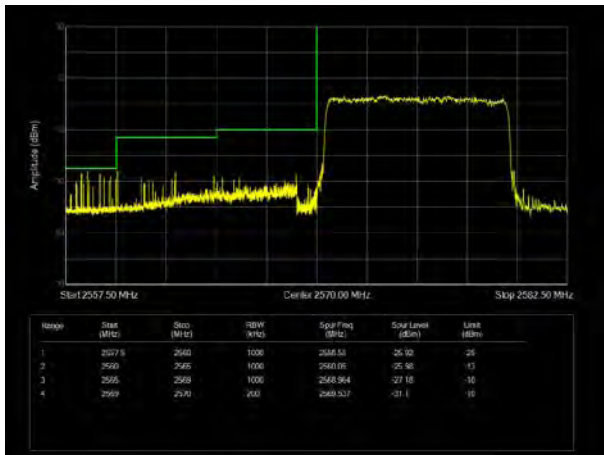


LTE Band 38 QPSK 10MHz CH-High, 1 RB

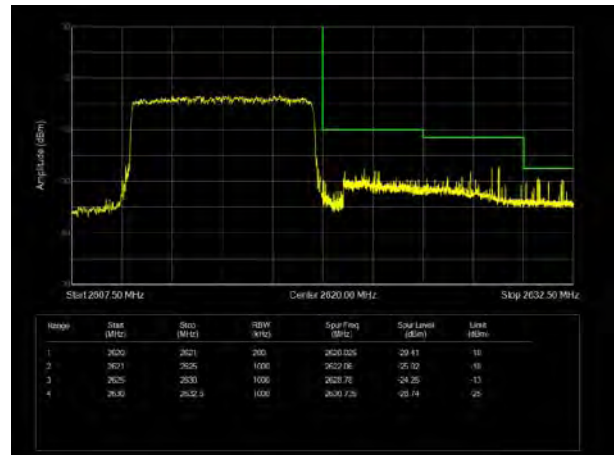




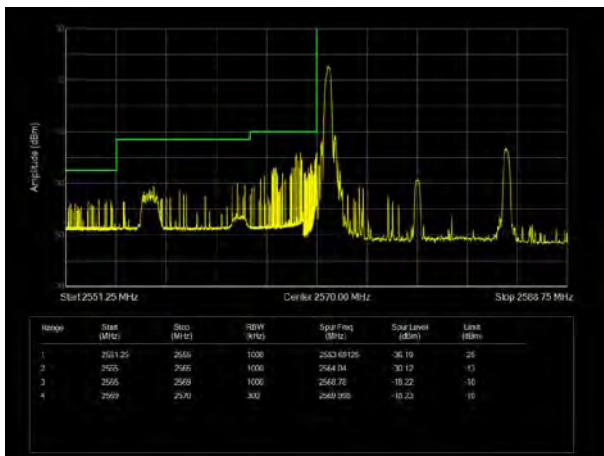
LTE Band 38 QPSK 10MHz CH-Low, 100%RB



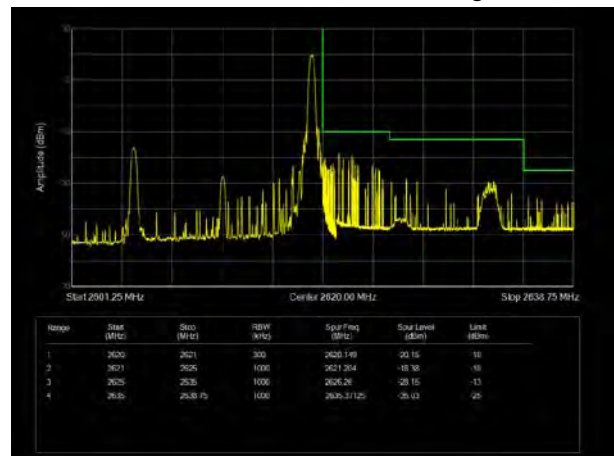
LTE Band 38 QPSK 10MHz CH-High, 100%RB



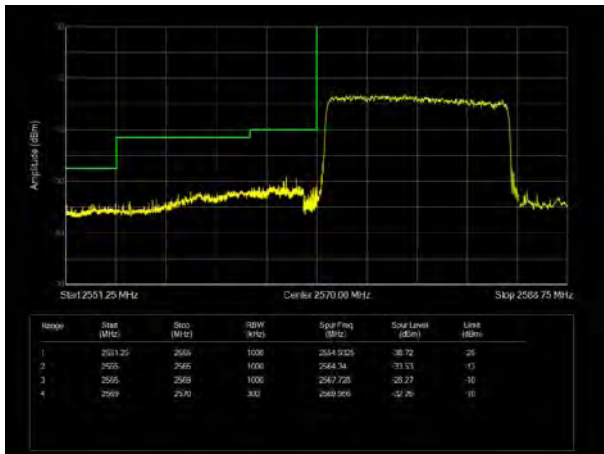
LTE Band 38 QPSK 15MHz CH-Low, 1 RB



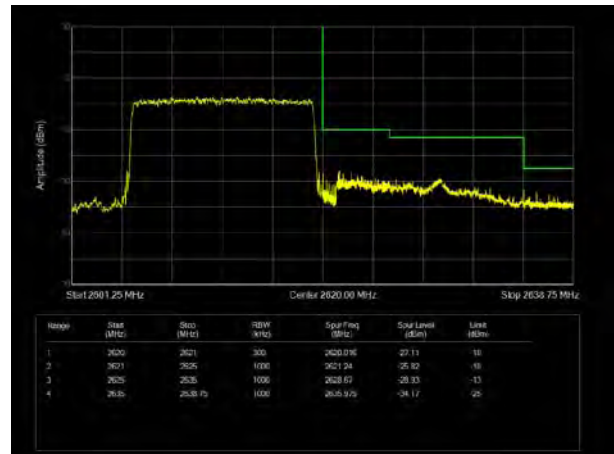
LTE Band 38 QPSK 15MHz CH-High, 1 RB



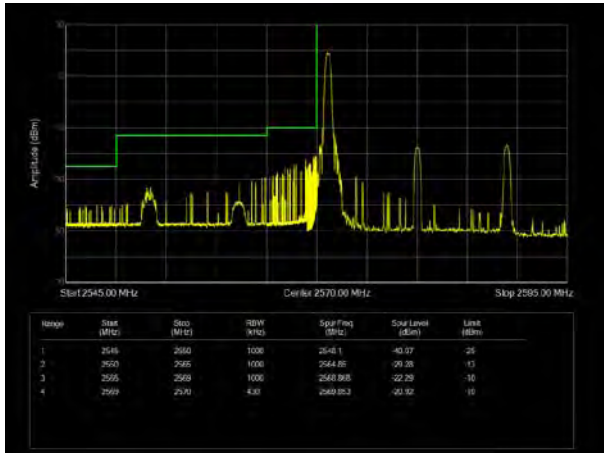
LTE Band 38 QPSK 15MHz CH-Low, 100%RB



LTE Band 38 QPSK 15MHz CH-High, 100%RB



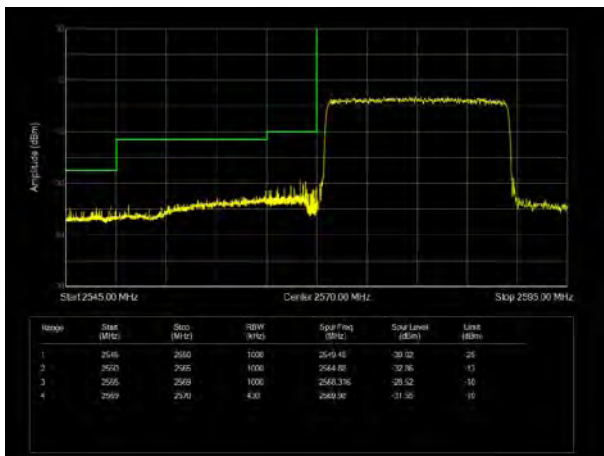
LTE Band 38 QPSK 20MHz CH-Low, 1 RB



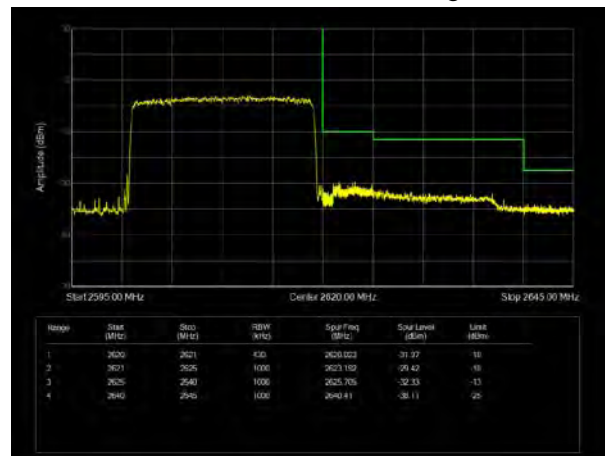
LTE Band 38 QPSK 20MHz CH-High, 1 RB



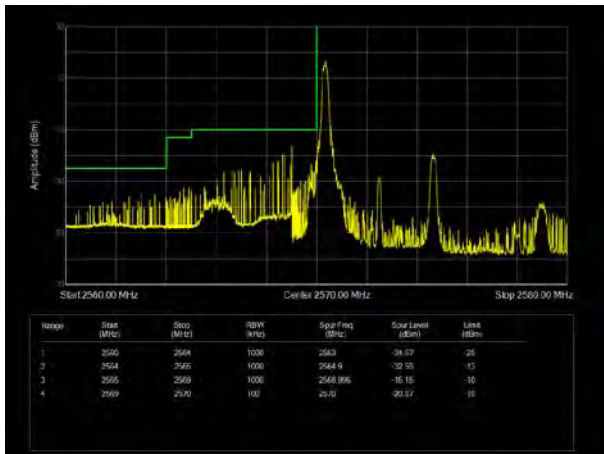
LTE Band 38 QPSK 20MHz CH-Low, 100%RB



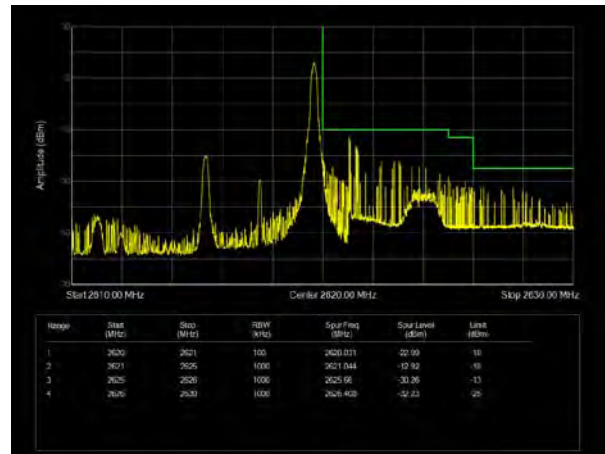
LTE Band 38 QPSK 20MHz CH-High, 100%RB



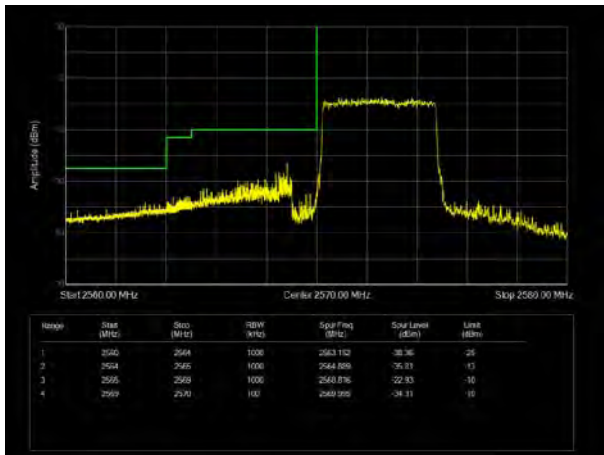
LTE Band 38 16QAM 5MHz CH-Low, 1 RB



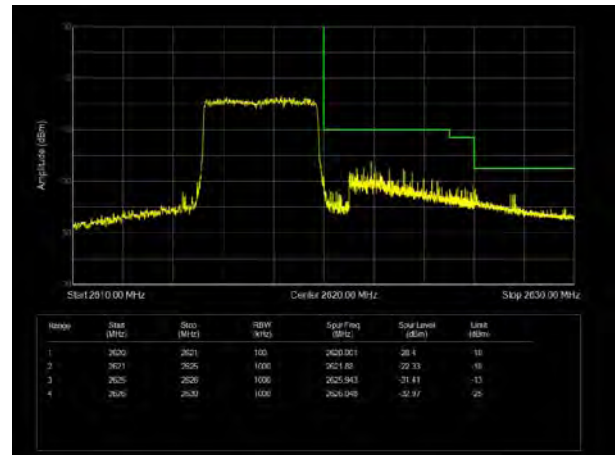
LTE Band 38 16QAM 5MHz CH-High, 1 RB



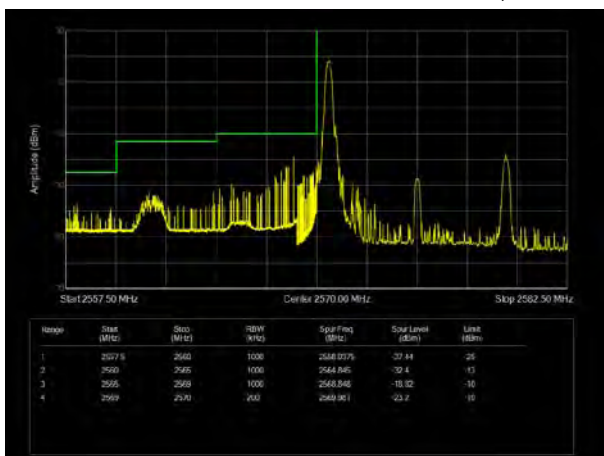
LTE Band 38 16QAM 5MHz CH-Low, 100%RB



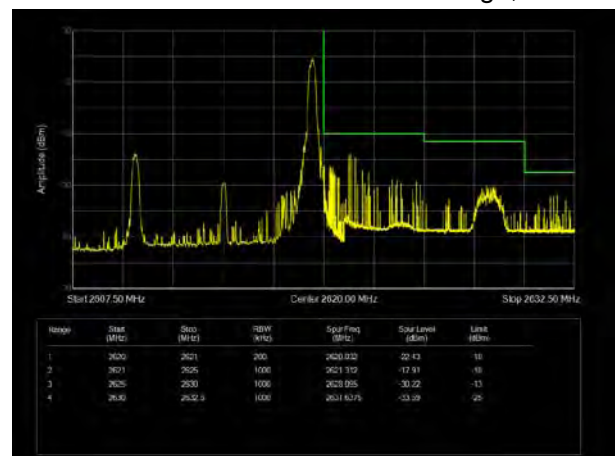
LTE Band 38 16QAM 5MHz CH-High, 100%RB



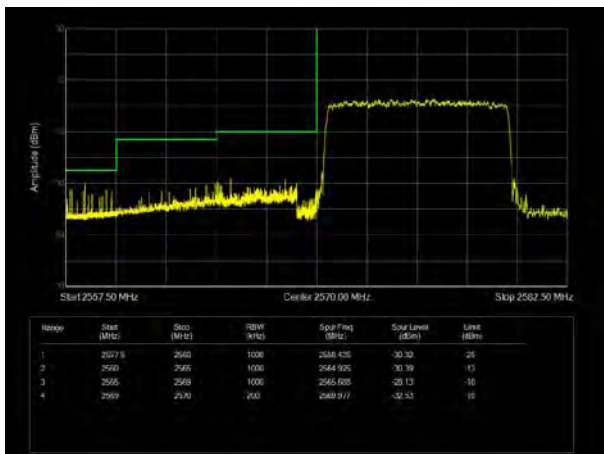
LTE Band 38 16QAM 10MHz CH-Low, 1 RB



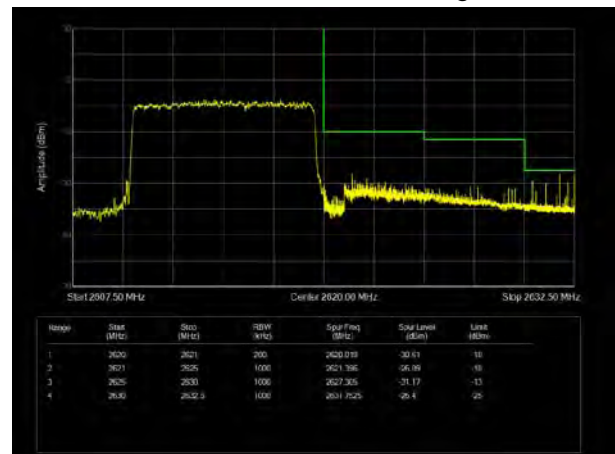
LTE Band 38 16QAM 10MHz CH-High, 1 RB



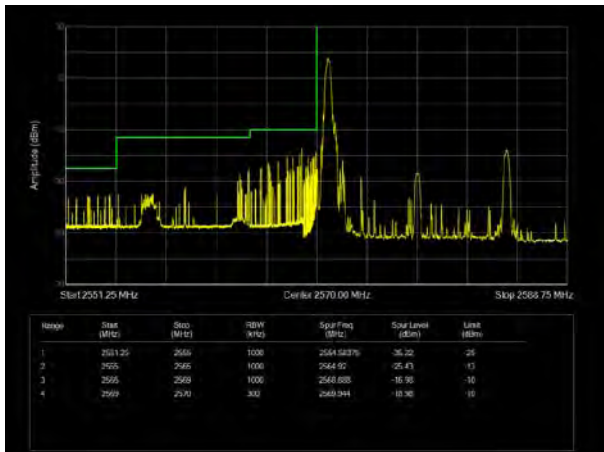
LTE Band 38 16QAM 10MHz CH-Low, 100%RB



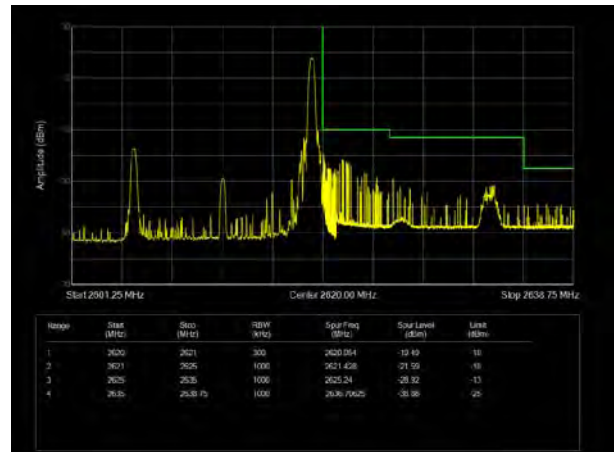
LTE Band 38 16QAM 10MHz CH-High, 100%RB



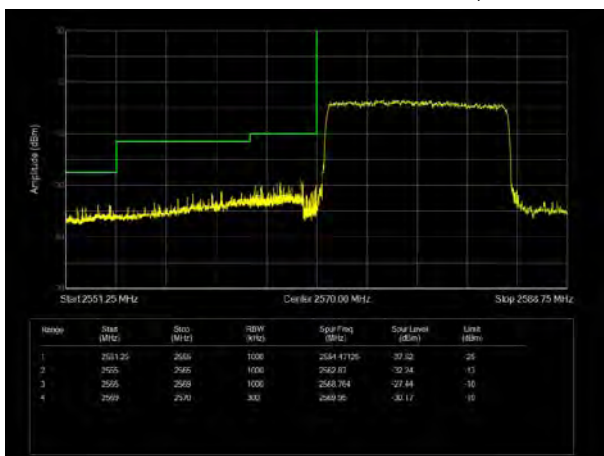
LTE Band 38 16QAM 15MHz CH-Low, 1 RB



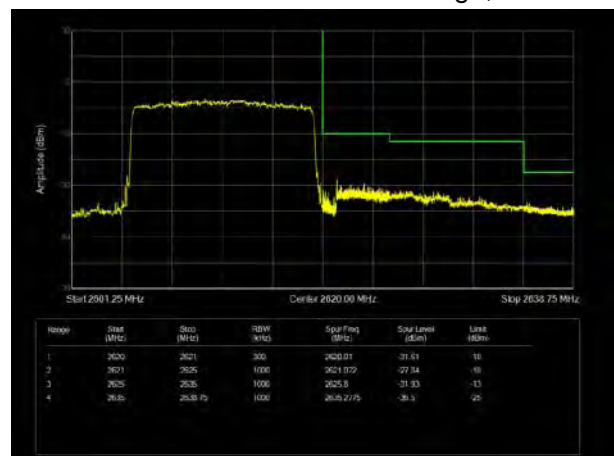
LTE Band 38 16QAM 15MHz CH-High, 1 RB



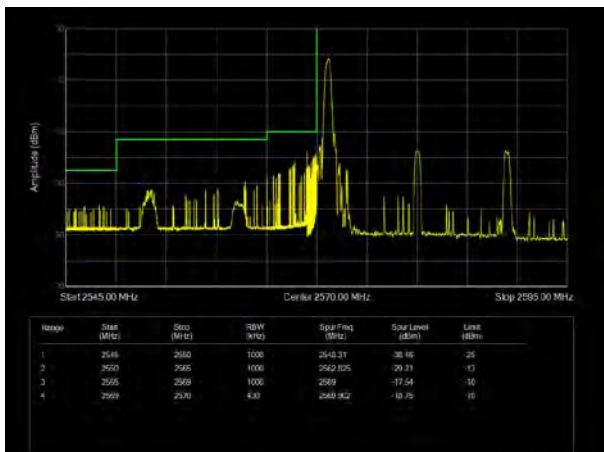
LTE Band 38 16QAM 15MHz CH-Low, 100%RB



LTE Band 38 16QAM 15MHz CH-High, 100%RB



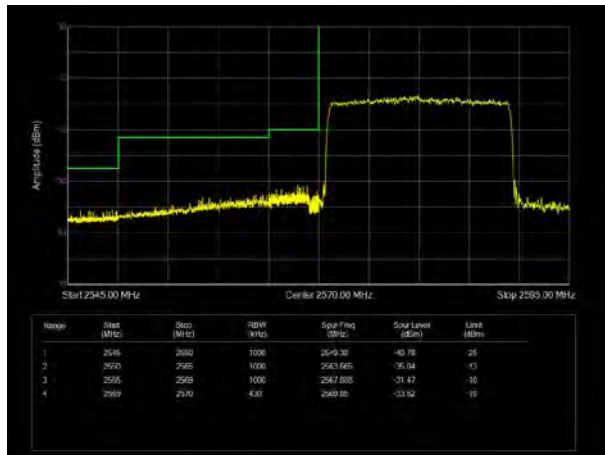
LTE Band 38 16QAM 20MHz CH-Low, 1 RB



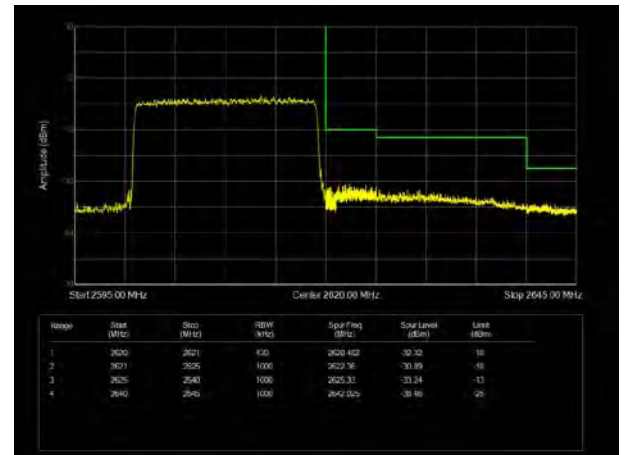
LTE Band 38 16QAM 20MHz CH-High, 1 RB



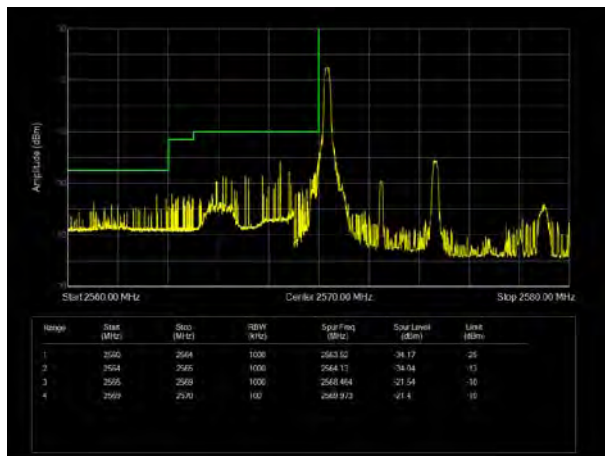
LTE Band 38 16QAM 20MHz CH-Low, 100%RB



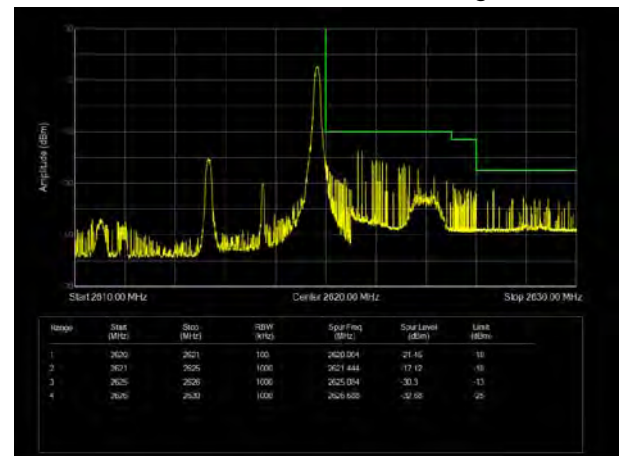
LTE Band 38 16QAM 20MHz CH-High, 100%RB



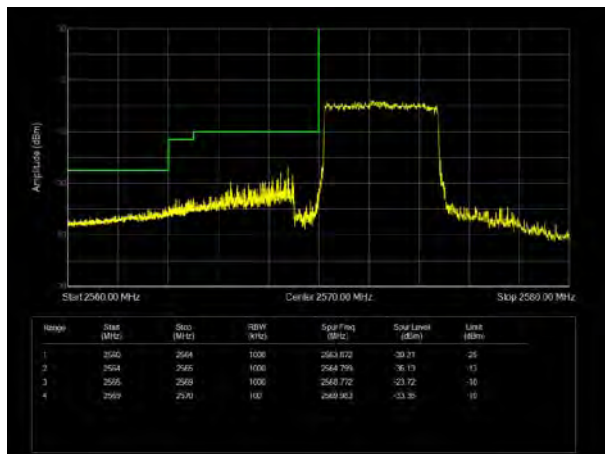
LTE Band 38 64QAM 5MHz CH-Low, 1 RB



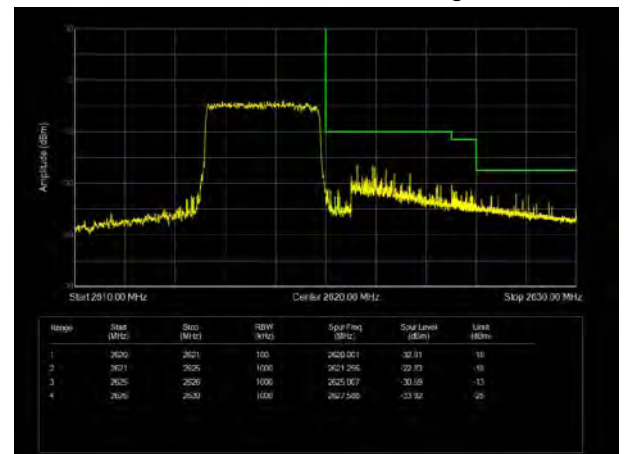
LTE Band 38 64QAM 5MHz CH-High, 1 RB



LTE Band 38 64QAM 5MHz CH-Low, 100%RB

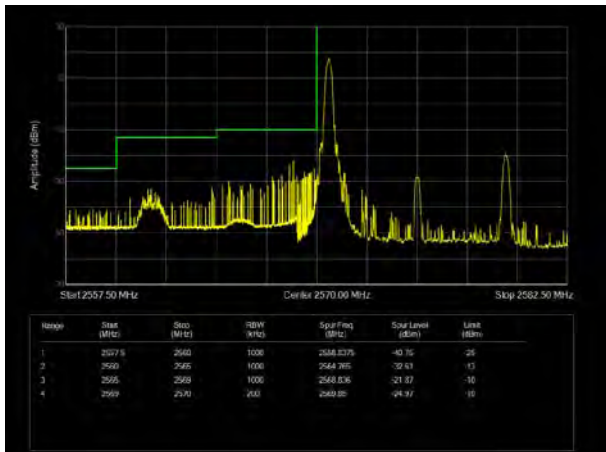


LTE Band 38 64QAM 5MHz CH-High, 100%RB

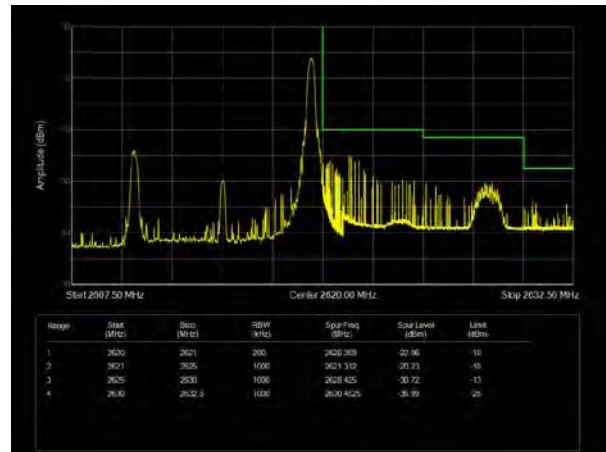




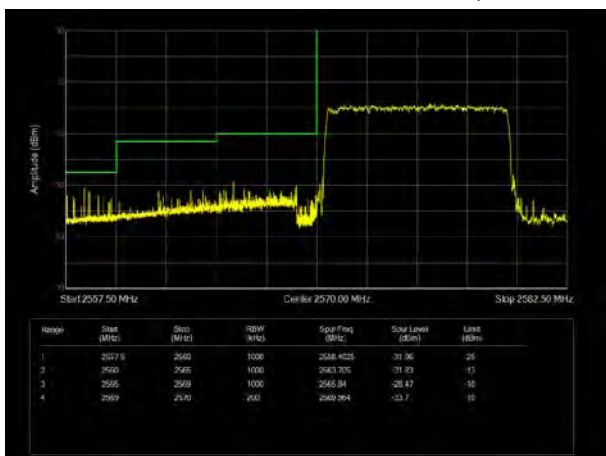
LTE Band 38 64QAM 10MHz CH-Low, 1 RB



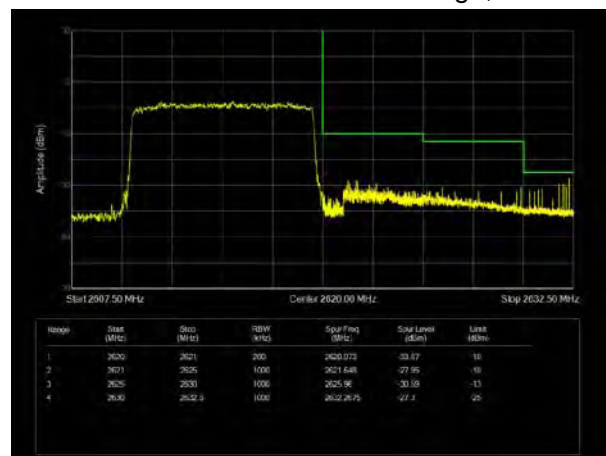
LTE Band 38 64QAM 10MHz CH-High, 1 RB



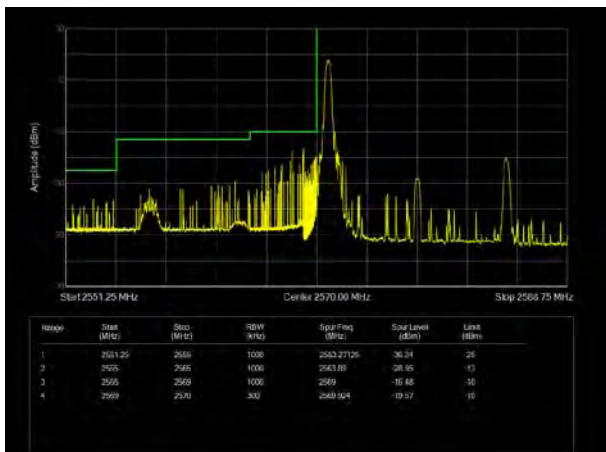
LTE Band 38 64QAM 10MHz CH-Low, 100%RB



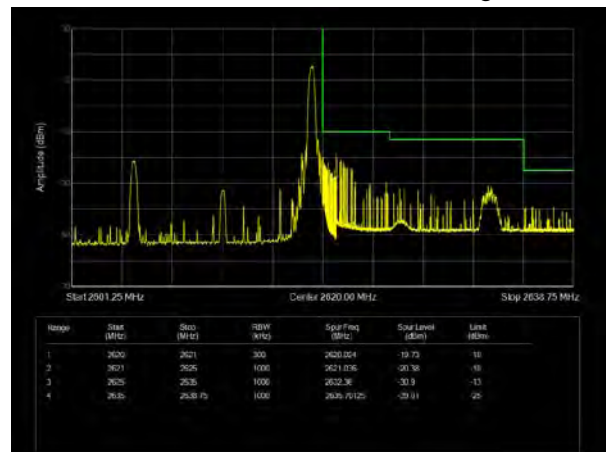
LTE Band 38 64QAM 10MHz CH-High, 100%RB



LTE Band 38 64QAM 15MHz CH-Low, 1 RB



LTE Band 38 64QAM 15MHz CH-High, 1 RB

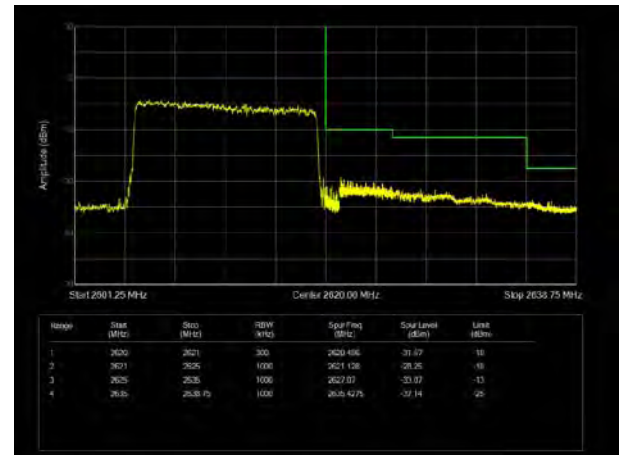




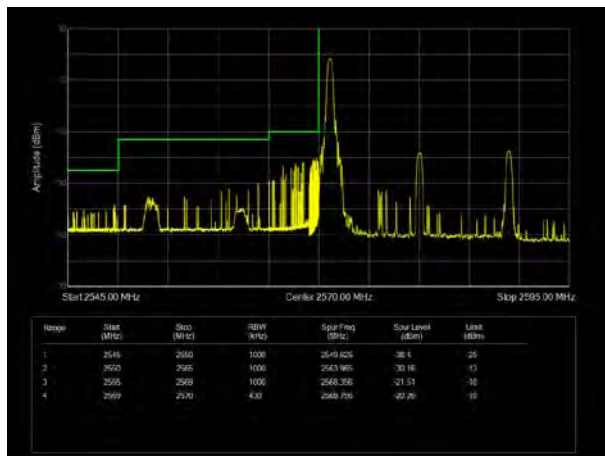
LTE Band 38 64QAM 15MHz CH-Low, 100%RB



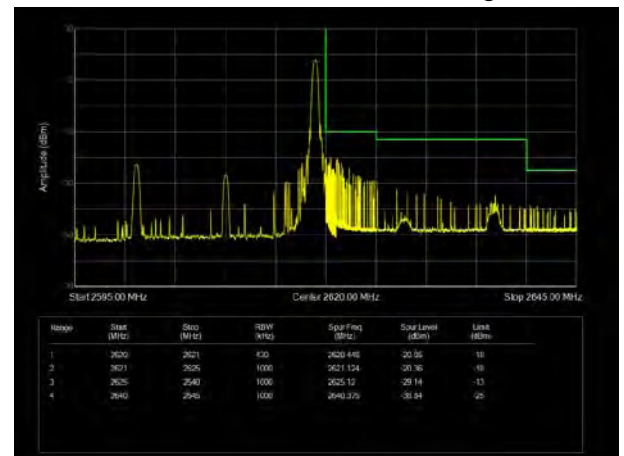
LTE Band 38 64QAM 15MHz CH-High, 100%RB



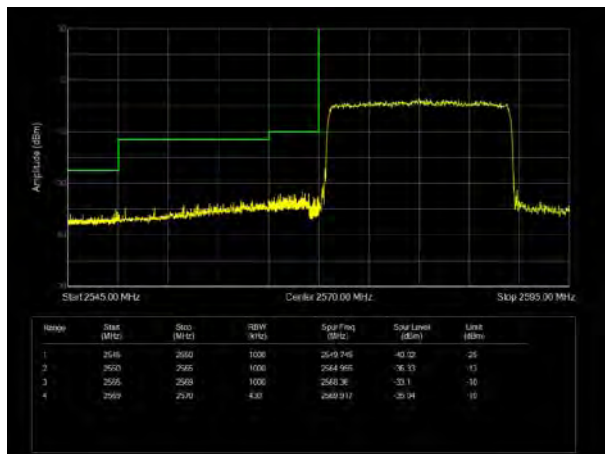
LTE Band 38 64QAM 20MHz CH-Low, 1 RB



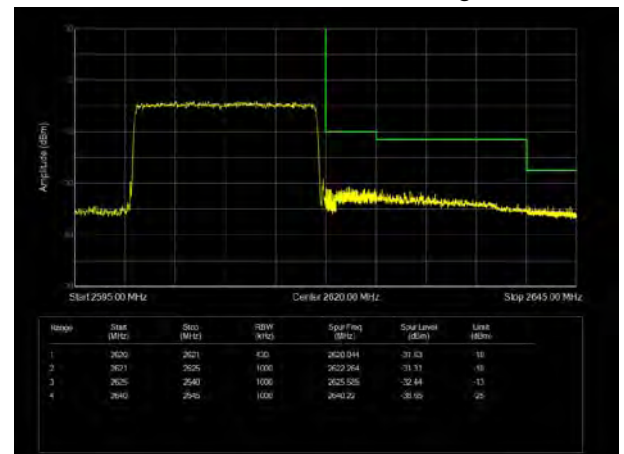
LTE Band 38 64QAM 20MHz CH-High, 1 RB



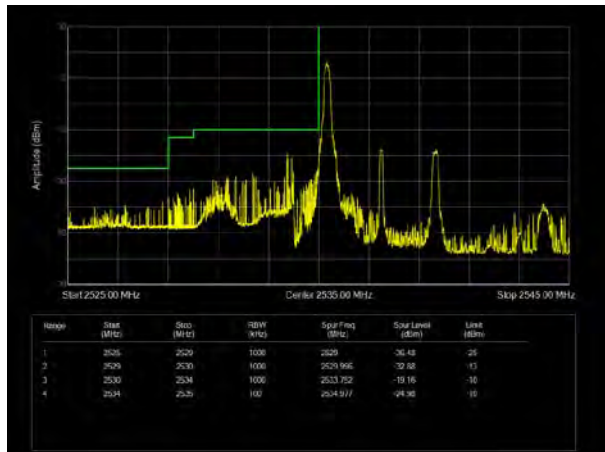
LTE Band 38 64QAM 20MHz CH-Low, 100%RB



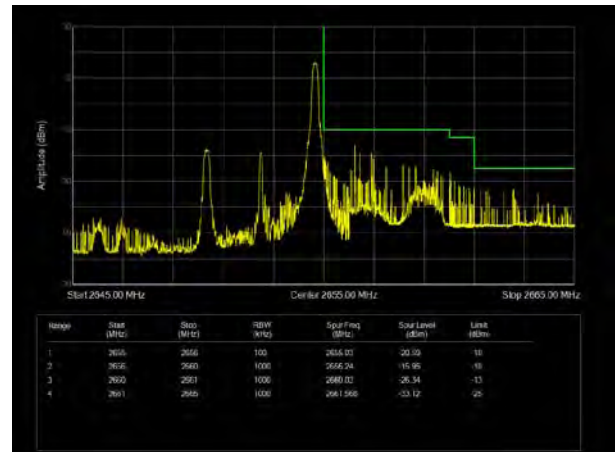
LTE Band 38 64QAM 20MHz CH-High, 100%RB



LTE Band 41 QPSK 5MHz CH-Low, 1 RB



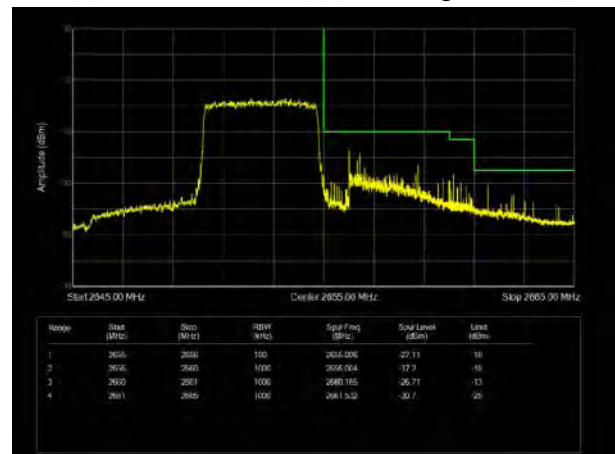
LTE Band 41 QPSK 5MHz CH-High, 1 RB



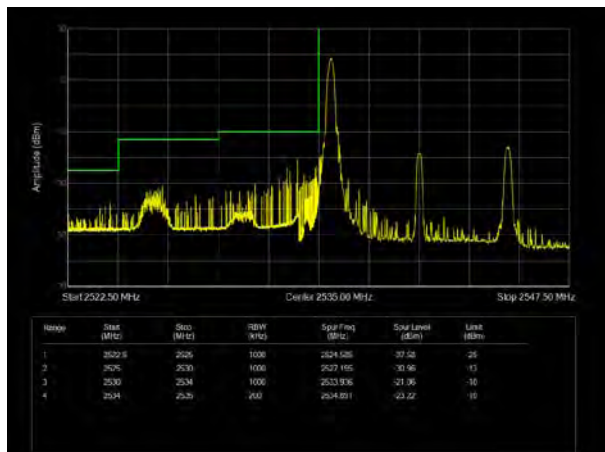
LTE Band 41 QPSK 5MHz CH-Low, 100%RB



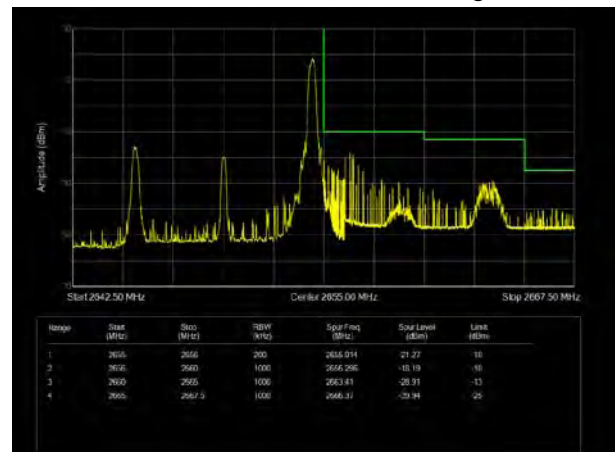
LTE Band 41 QPSK 5MHz CH-High, 100%RB



LTE Band 41 QPSK 10MHz CH-Low, 1 RB

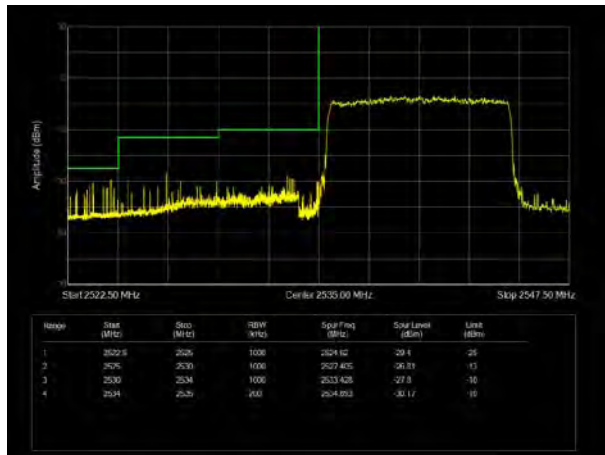


LTE Band 41 QPSK 10MHz CH-High, 1 RB

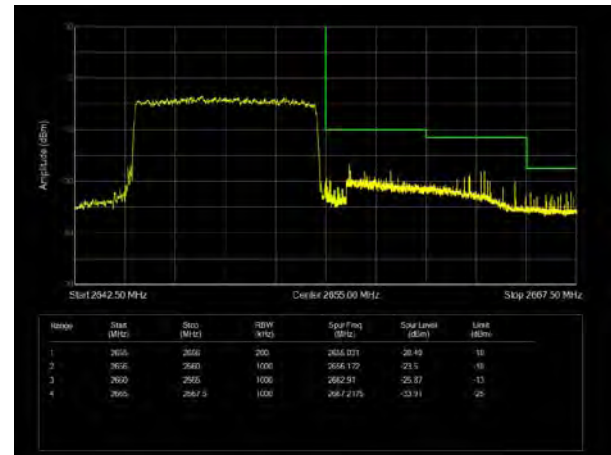




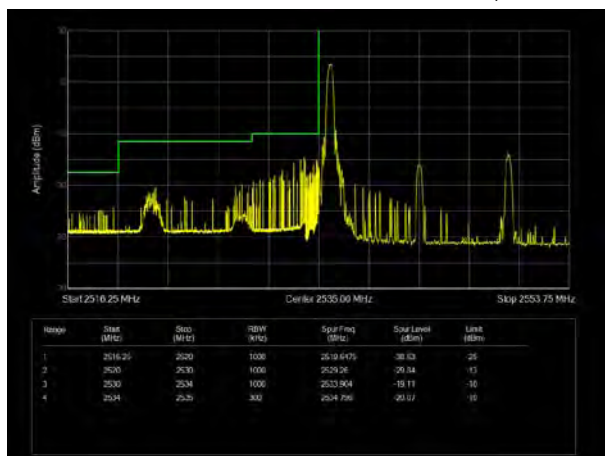
LTE Band 41 QPSK 10MHz CH-Low, 100%RB



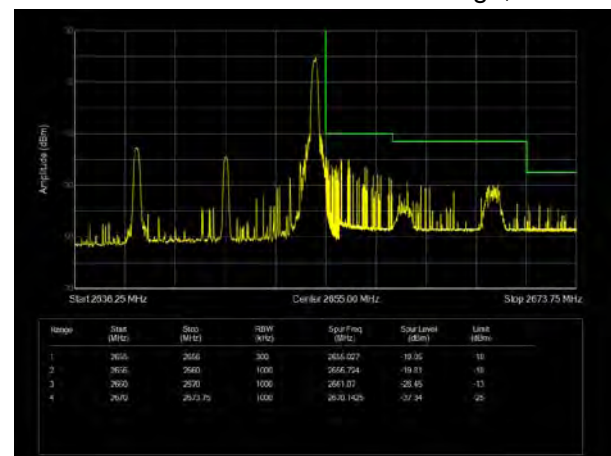
LTE Band 41 QPSK 10MHz CH-High, 100%RB



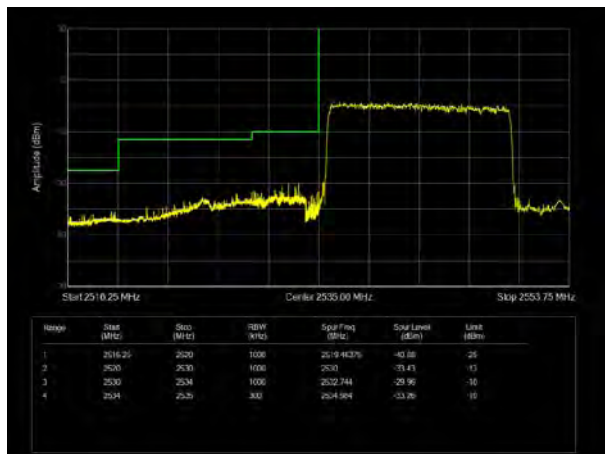
LTE Band 41 QPSK 15MHz CH-Low, 1 RB



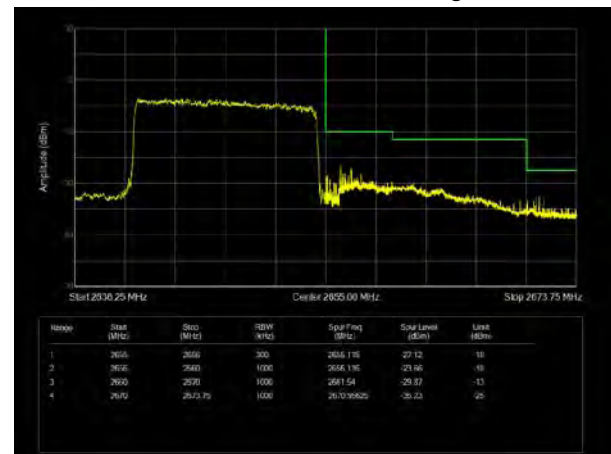
LTE Band 41 QPSK 15MHz CH-High, 1 RB



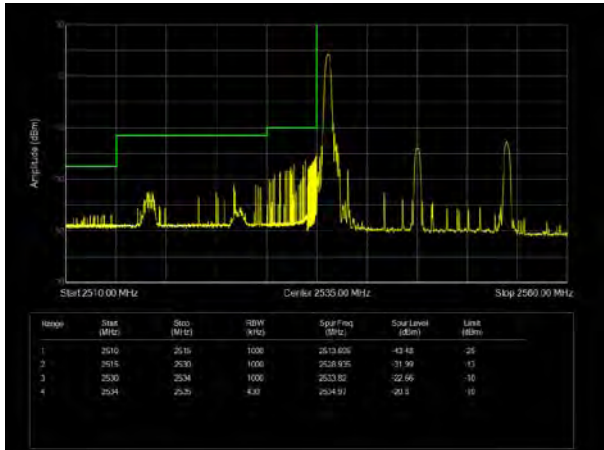
LTE Band 41 QPSK 15MHz CH-Low, 100%RB



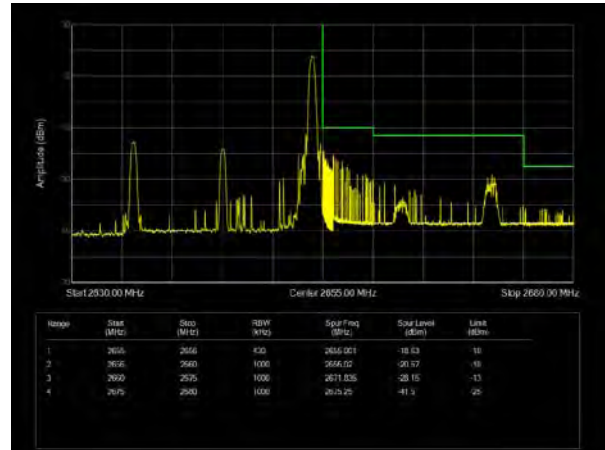
LTE Band 41 QPSK 15MHz CH-High, 100%RB



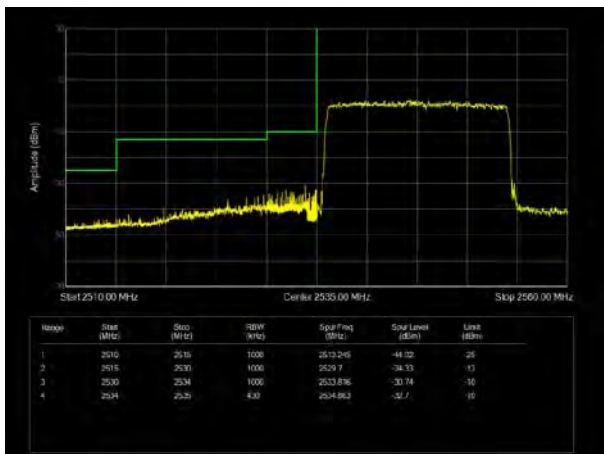
LTE Band 41 QPSK 20MHz CH-Low, 1 RB



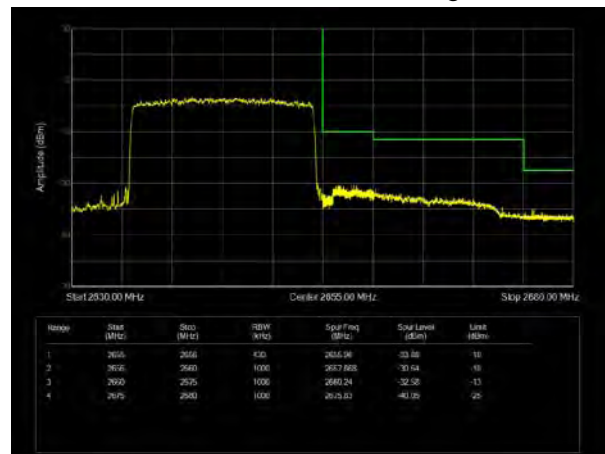
LTE Band 41 QPSK 20MHz CH-High, 1 RB



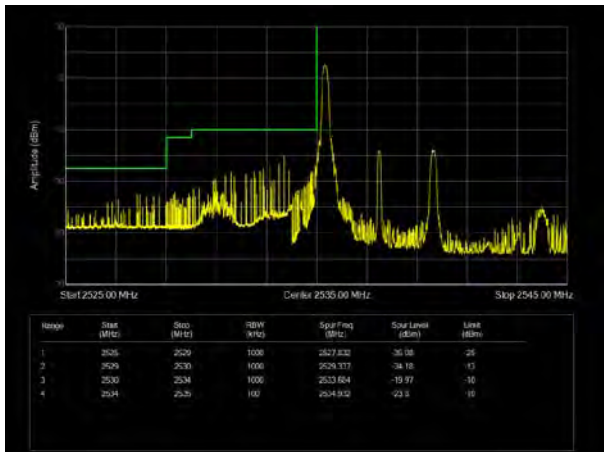
LTE Band 41 QPSK 20MHz CH-Low, 100%RB



LTE Band 41 QPSK 20MHz CH-High, 100%RB



LTE Band 41 16QAM 5MHz CH-Low, 1 RB



LTE Band 41 16QAM 5MHz CH-High, 1 RB

