



RF TEST REPORT

Applicant XCHENG TECH CO., LIMITED
FCC ID 2AZ4F-T0511-T5
Product PDA
Brand Kobile
Model T0511;T5;T05;T05_ROW
Report No. R2111A1062-R3V2
Issue Date April 28, 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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TABLE OF CONTENT

1	Test Laboratory	5
1.1	Notes of the Test Report	5
1.2.	Test facility	5
1.3	Testing Location	5
2	General Description of Equipment under Test	6
2.1	Applicant and Manufacturer Information	6
2.2	General information	6
3	Applied Standards	8
4	Test Configuration	9
5	Test Case	11
5.1	RF Power Output and Effective Isotropic Radiated Power	11
5.2	Occupied Bandwidth	13
5.3	Band Edge Compliance	14
5.4	Peak-to-Average Power Ratio (PAPR)	16
5.5	Frequency Stability	17
5.6	Spurious Emissions at Antenna Terminals	18
5.7	Radiates Spurious Emission	20
6	Test Results	23
6.1	RF Power Output and Effective Isotropic Radiated Power	23
6.2	Occupied Bandwidth	48
6.3	Band Edge Compliance	78
6.4	Peak-to-Average Power Ratio (PAPR)	111
6.5	Frequency Stability	116
6.6	Spurious Emissions at Antenna Terminals	124
6.7	Radiates Spurious Emission	133
7	Main Test Instruments	138
ANNEX A: The EUT Appearance		139
ANNEX B: Test Setup Photos		140



Version	Revision description	Issue Date
Rev.0	Initial issue of report.	April 6, 2022
Rev.1	Update description.	April 20, 2022
Rev.2	Update Applicant.	April 28, 2022
Note: This revised report (Report No. R2111A1062-R3V2) supersedes and replaces the previously issued report (Report No. R2111A1062-R3V1). 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(c)(10) /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: November 26, 2021 ~ March 30, 2022

Date of Sample Received: November 25, 2021

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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2 General Description of Equipment under Test

2.1 Applicant and Manufacturer Information

Applicant	XCHENG TECH CO., LIMITED
Applicant address	ROOM 401F, Building 5, No.3000 LONG DONG Avenue, Pudong New District, Shanghai, China
Manufacturer	XCHENG TECH CO., LIMITED
Manufacturer address	ROOM 401F, Building 5, No.3000 LONG DONG Avenue, Pudong New District, Shanghai, China

2.2 General information

EUT Description				
Model	T0511;T5;T05;T05_ROW			
IMEI	IMEI 1: 354721087287226 IMEI 2: 354721087287770			
Hardware Version	MT6761			
Software Version	V01			
Power Supply	Battery / AC adapter			
Antenna Type	Internal Antenna			
Antenna Gain	Frequency (MHz)	Gain(dBi)	Frequency (MHz)	Gain(dBi)
	700	-3.56	2540	-0.81
	710	-2.91	2550	-0.68
	720	-2.49	2560	-0.39
	1710	-2.71	2570	-0.16
	1720	-2.67	2580	-0.10
	1730	-2.32	2590	-0.01
	1740	-2.43	2600	-0.31
	1750	-2.34	2610	-0.29
	1760	-2.05	2620	-0.51
	2500	0.65	2630	-0.85
	2510	0.10	2640	-0.99
	2520	-0.31	2650	-1.35
	2530	-0.67	2660	-1.34
Test Mode(s)	WCDMA Band IV; LTE Band 4/7/17/41;			
Test Modulation	(WCDMA) BPSK, QPSK, 16QAM; (LTE)QPSK, 16QAM, 64QAM;			
HSDPA UE Category	12			
HSUPA UE Category	7			



DC-HSDPA UE Category	24		
HSPA+ UE Category	7		
LTE Category	7		
Maximum E.I.R.P./ E.R.P.	WCDMA Band IV:	18.59 dBm	
	LTE Band 4:	20.38 dBm	
	LTE Band 7:	22.44 dBm	
	LTE Band 17:	18.57 dBm	
	LTE Band 41:	22.64 dBm	
Rated Power Supply Voltage	4.0V		
Operating Voltage	Minimum: 3.5V Maximum: 5.0V		
Operating Temperature	Lowest: -0°C Highest: +54°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 17	704 ~ 716	734 ~ 746
	LTE Band 41	2535 ~ 2655	2535 ~ 2655
EUT Accessory			
Battery	Manufacturer: Zhongshan Tianmao BatteryCo.,Ltd Model: BP1826-3		
Adapter 1	Manufacturer: SHENZHENG EAST SUN ELECTRONIC CO.,LTD Model: WI-RD-191105-001		
Adapter 2	Manufacturer: SHENZHENG EAST SUN ELECTRONIC CO.,LTD Model: TPA-59050200BU01-C		
Adapter 3	Manufacturer: SHENZHENG EAST SUN ELECTRONIC CO.,LTD Model: TPA-23A050200UU02-C		
USB Cable	Manufacturer: Shenzhen HuaJiaShengMing Technology Co.,Ltd Model: 262202110B0011		
Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant. 2. There is more than one Adapter, each one should be applied throughout the compliance test respectively, and however, only the worst case (Adapter 2) will be recorded in this report. 3. Customer declaration, The four products are the same, except for model. Only T0511 will be recorded in this report.			



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, horizontal polarization for GSM/WCDMA; X, vertical polarization for LTE) 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 HSDPA/HSUPA DC-HSDPA/HSPA+
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 4/7/17/41:

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 17	-	-	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 17	-	-	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 17	-	-	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 17	-	-	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 17	-	-	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 17	-	-	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 17	-	-	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.

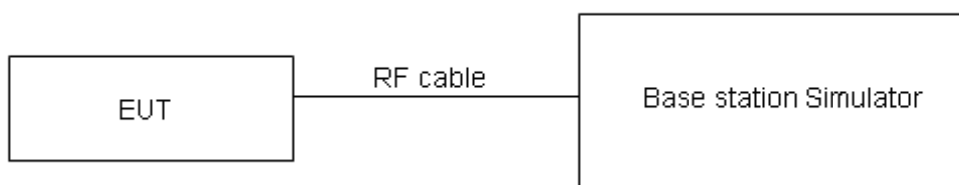
ERP can then be calculated as follows:

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

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(c) (10) specifies that “Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP”

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(c)(10)Limit	$\leq 3 \text{ W}$ (34.77 dBm)
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Part 27.50(d)(4)Limit	$\leq 1 \text{ W}$ (30 dBm)
Part 27.50(h)(2) Limit	$\leq 2 \text{ W}$ (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

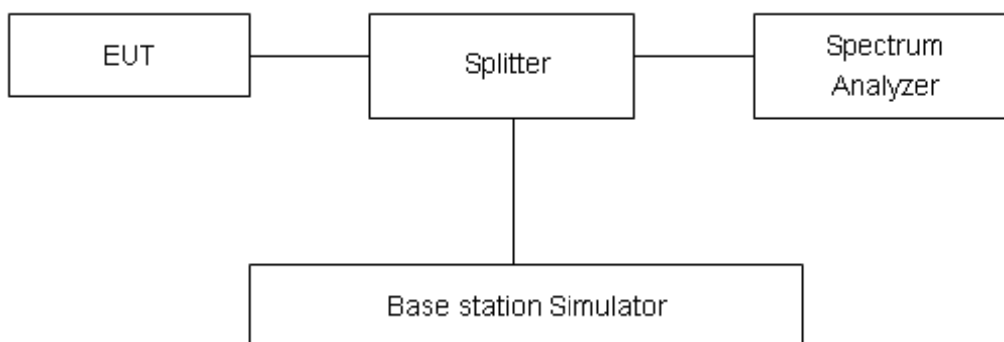
Method of Measurement

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.

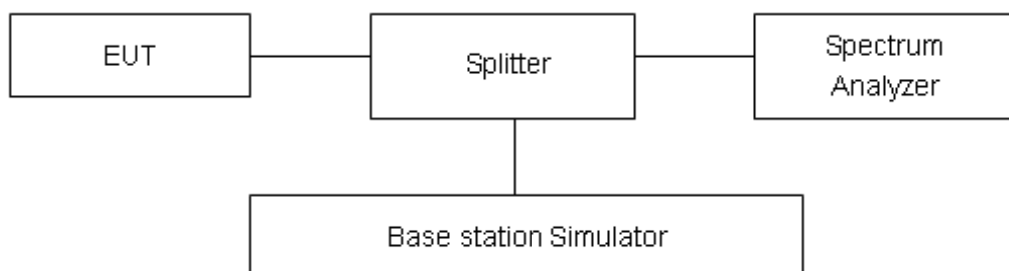
on spectrum analyzer.

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 than $43 + 10 \log (P)$ 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)

$$= P(W) - [43 + 10 \log (P)] \text{ (dB)}$$

$$= [30 + 10 \log (P)] \text{ (dBm)} - [43 + 10 \log (P)] \text{ (dB)} = -13 \text{ dBm}.$$

Measurement Uncertainty

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

Test Results

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

5.4 Peak-to-Average Power Ratio (PAPR)

Ambient condition

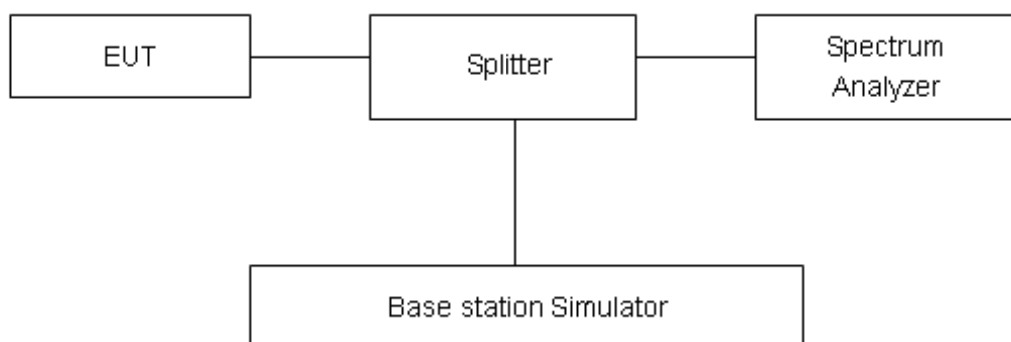
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

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

$$\text{PAPR (dB)} = \text{P}_{\text{Pk}} \text{ (dBm)} - \text{P}_{\text{Avg}} \text{ (dBm)}.$$

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.

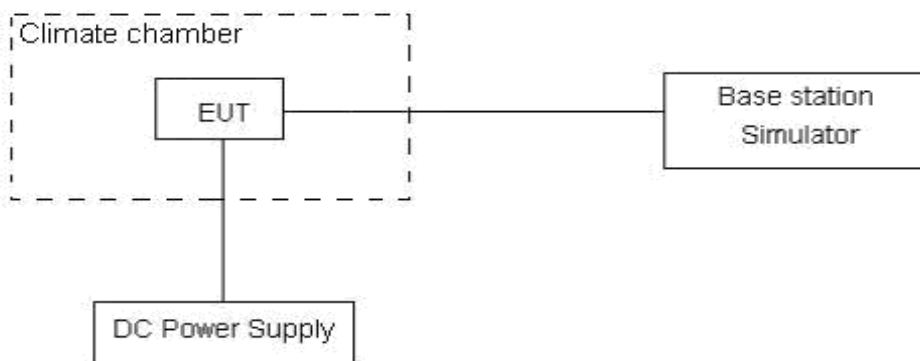
Frequency Stability (Voltage Variation)

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 3.5 V and 5.0 V, with a nominal voltage of 4.0V.

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)

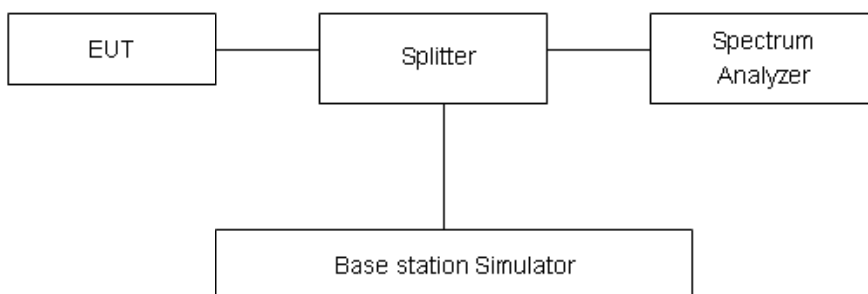
RBW is set to 100 kHz (30MHz~1000 MHz)

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

1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI C63.26 (2015).
2. 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).
3. 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.
4. 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).
5. 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.
6. 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.
7. 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:

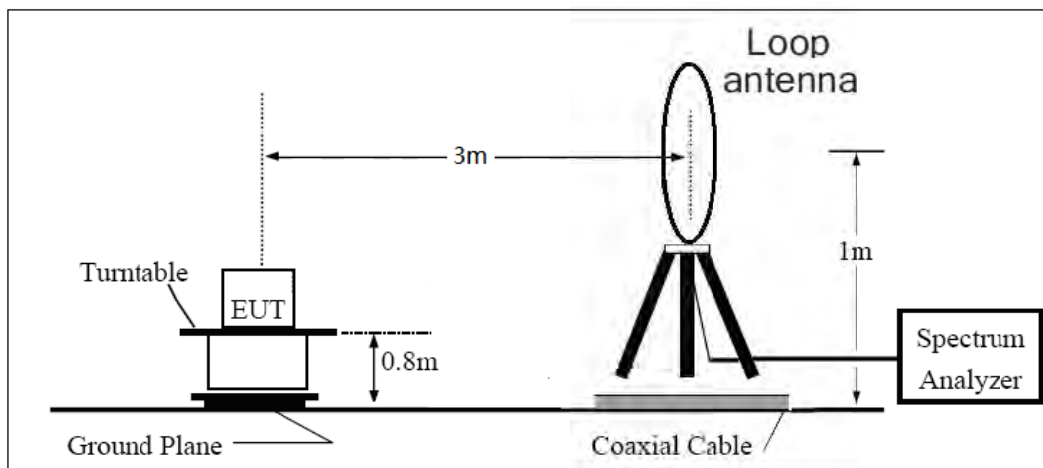
$$\text{Power(EIRP)} = \text{PMea} - \text{Pcl} + \text{Ga}$$
8. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP

= EIRP-2.15dB.

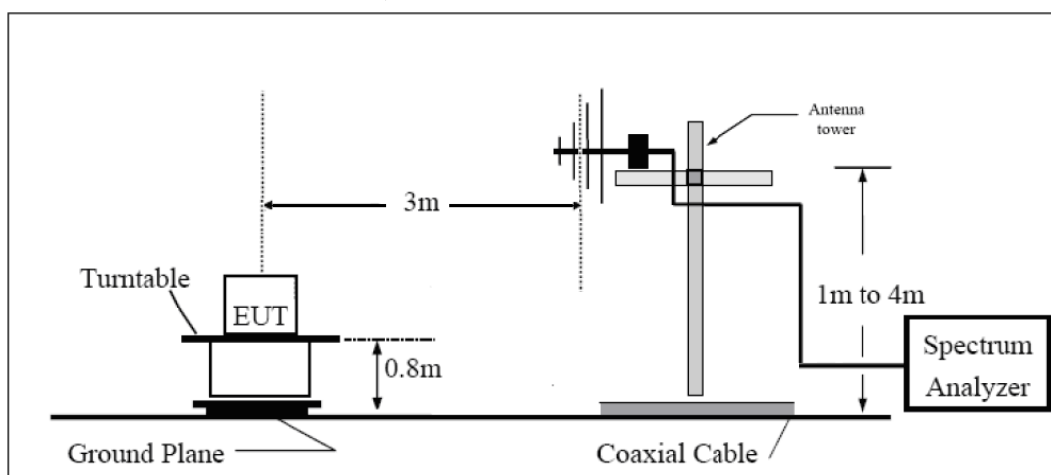
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup

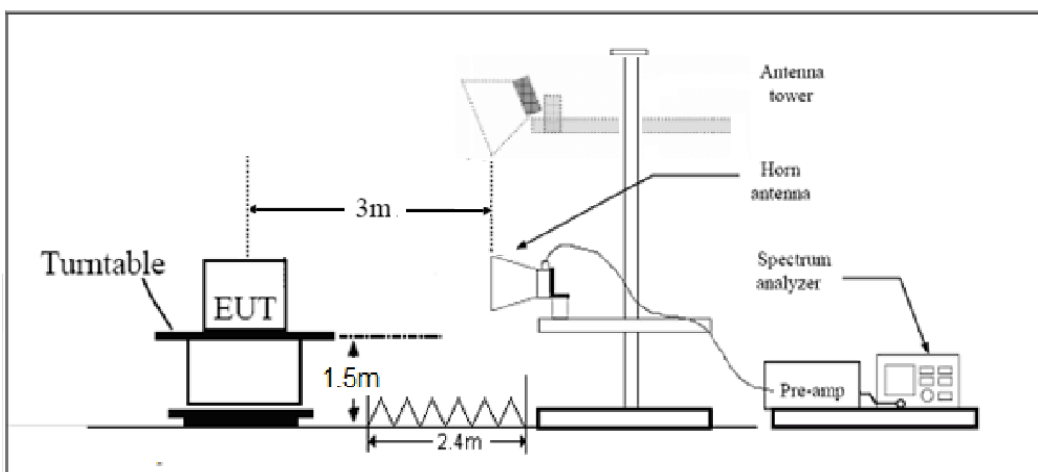
9KHz ~ 30MHz



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)			EIRP (dBm)		
		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)
RMC		20.89	20.90	20.93	18.18	18.58	18.59
HSDPA	Sub - Test 1	20.35	20.32	20.37	17.64	18.00	18.03
	Sub - Test 2	20.34	20.34	20.34	17.63	18.02	18.00
	Sub - Test 3	19.81	19.84	19.86	17.10	17.52	17.52
	Sub - Test 4	19.82	19.85	19.84	17.11	17.53	17.50
HSUPA	Sub - Test 1	20.31	20.31	20.32	17.60	17.99	17.98
	Sub - Test 2	19.30	19.29	19.31	16.59	16.97	16.97
	Sub - Test 3	19.77	19.77	19.80	17.06	17.45	17.46
	Sub - Test 4	19.23	19.26	19.28	16.52	16.94	16.94
	Sub - Test 5	20.24	20.24	20.26	17.53	17.92	17.92
DC-HSDPA	Sub - Test 1	20.23	20.26	20.27	17.52	17.94	17.93
	Sub - Test 2	20.22	20.25	20.26	17.51	17.93	17.92
	Sub - Test 3	19.80	19.74	19.77	17.09	17.42	17.43
	Sub - Test 4	19.79	19.73	19.76	17.08	17.41	17.42
HSPA+	16QAM	20.25	20.14	20.28	17.54	17.82	17.94



LTE Band 4							
Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
1.4	19957	1	#0	QPSK	22.44	19.73	PASS
1.4	19957	1	#Mid	QPSK	22.76	20.05	PASS
1.4	19957	1	#Max	QPSK	22.49	19.78	PASS
1.4	19957	3	#0	QPSK	22.50	19.79	PASS
1.4	19957	3	#Mid	QPSK	22.51	19.80	PASS
1.4	19957	3	#Max	QPSK	22.53	19.82	PASS
1.4	19957	6	#0	QPSK	21.46	18.75	PASS
1.4	19957	1	#0	QAM16	21.42	18.71	PASS
1.4	19957	1	#Mid	QAM16	21.69	18.98	PASS
1.4	19957	1	#Max	QAM16	21.43	18.72	PASS
1.4	19957	3	#0	QAM16	21.65	18.94	PASS
1.4	19957	3	#Mid	QAM16	21.64	18.93	PASS
1.4	19957	3	#Max	QAM16	21.70	18.99	PASS
1.4	19957	6	#0	QAM16	20.51	17.80	PASS
1.4	20175	1	#0	QPSK	22.39	20.07	PASS
1.4	20175	1	#Mid	QPSK	22.55	20.23	PASS
1.4	20175	1	#Max	QPSK	22.40	20.08	PASS
1.4	20175	3	#0	QPSK	22.52	20.20	PASS
1.4	20175	3	#Mid	QPSK	22.53	20.21	PASS
1.4	20175	3	#Max	QPSK	22.49	20.17	PASS
1.4	20175	6	#0	QPSK	21.43	19.11	PASS
1.4	20175	1	#0	QAM16	21.60	19.28	PASS
1.4	20175	1	#Mid	QAM16	21.80	19.48	PASS
1.4	20175	1	#Max	QAM16	21.60	19.28	PASS
1.4	20175	3	#0	QAM16	21.53	19.21	PASS
1.4	20175	3	#Mid	QAM16	21.51	19.19	PASS
1.4	20175	3	#Max	QAM16	21.57	19.25	PASS
1.4	20175	6	#0	QAM16	20.47	18.15	PASS
1.4	20393	1	#0	QPSK	22.44	20.10	PASS
1.4	20393	1	#Mid	QPSK	22.72	20.38	PASS
1.4	20393	1	#Max	QPSK	22.49	20.15	PASS
1.4	20393	3	#0	QPSK	22.57	20.23	PASS
1.4	20393	3	#Mid	QPSK	22.55	20.21	PASS
1.4	20393	3	#Max	QPSK	22.51	20.17	PASS
1.4	20393	6	#0	QPSK	21.47	19.13	PASS
1.4	20393	1	#0	QAM16	21.35	19.01	PASS
1.4	20393	1	#Mid	QAM16	21.52	19.18	PASS
1.4	20393	1	#Max	QAM16	21.33	18.99	PASS
1.4	20393	3	#0	QAM16	21.46	19.12	PASS
1.4	20393	3	#Mid	QAM16	21.48	19.14	PASS



1.4	20393	3	#Max	QAM16	21.45	19.11	PASS
1.4	20393	6	#0	QAM16	20.47	18.13	PASS
3	19965	1	#0	QPSK	22.49	19.78	PASS
3	19965	1	#Mid	QPSK	22.54	19.83	PASS
3	19965	1	#Max	QPSK	22.55	19.84	PASS
3	19965	8	#0	QPSK	21.46	18.75	PASS
3	19965	8	#Mid	QPSK	21.50	18.79	PASS
3	19965	8	#Max	QPSK	21.47	18.76	PASS
3	19965	15	#0	QPSK	21.42	18.71	PASS
3	19965	1	#0	QAM16	21.33	18.62	PASS
3	19965	1	#Mid	QAM16	21.37	18.66	PASS
3	19965	1	#Max	QAM16	21.44	18.73	PASS
3	19965	8	#0	QAM16	20.51	17.80	PASS
3	19965	8	#Mid	QAM16	20.47	17.76	PASS
3	19965	8	#Max	QAM16	20.52	17.81	PASS
3	19965	15	#0	QAM16	20.50	17.79	PASS
3	20175	1	#0	QPSK	22.43	20.11	PASS
3	20175	1	#Mid	QPSK	22.40	20.08	PASS
3	20175	1	#Max	QPSK	22.41	20.09	PASS
3	20175	8	#0	QPSK	21.44	19.12	PASS
3	20175	8	#Mid	QPSK	21.46	19.14	PASS
3	20175	8	#Max	QPSK	21.46	19.14	PASS
3	20175	15	#0	QPSK	21.44	19.12	PASS
3	20175	1	#0	QAM16	21.69	19.37	PASS
3	20175	1	#Mid	QAM16	21.72	19.40	PASS
3	20175	1	#Max	QAM16	21.71	19.39	PASS
3	20175	8	#0	QAM16	20.49	18.17	PASS
3	20175	8	#Mid	QAM16	20.49	18.17	PASS
3	20175	8	#Max	QAM16	20.53	18.21	PASS
3	20175	15	#0	QAM16	20.45	18.13	PASS
3	20385	1	#0	QPSK	22.39	20.05	PASS
3	20385	1	#Mid	QPSK	22.43	20.09	PASS
3	20385	1	#Max	QPSK	22.41	20.07	PASS
3	20385	8	#0	QPSK	21.44	19.10	PASS
3	20385	8	#Mid	QPSK	21.44	19.10	PASS
3	20385	8	#Max	QPSK	21.48	19.14	PASS
3	20385	15	#0	QPSK	21.42	19.08	PASS
3	20385	1	#0	QAM16	21.60	19.26	PASS
3	20385	1	#Mid	QAM16	21.58	19.24	PASS
3	20385	1	#Max	QAM16	21.58	19.24	PASS
3	20385	8	#0	QAM16	20.47	18.13	PASS
3	20385	8	#Mid	QAM16	20.47	18.13	PASS
3	20385	8	#Max	QAM16	20.49	18.15	PASS



3	20385	15	#0	QAM16	20.35	18.01	PASS
5	19975	1	#0	QPSK	22.30	19.59	PASS
5	19975	1	#Mid	QPSK	22.49	19.78	PASS
5	19975	1	#Max	QPSK	22.40	19.69	PASS
5	19975	12	#0	QPSK	21.45	18.74	PASS
5	19975	12	#Mid	QPSK	21.44	18.73	PASS
5	19975	12	#Max	QPSK	21.50	18.79	PASS
5	19975	25	#0	QPSK	21.44	18.73	PASS
5	19975	1	#0	QAM16	21.63	18.92	PASS
5	19975	1	#Mid	QAM16	21.82	19.11	PASS
5	19975	1	#Max	QAM16	21.68	18.97	PASS
5	19975	12	#0	QAM16	20.48	17.77	PASS
5	19975	12	#Mid	QAM16	20.46	17.75	PASS
5	19975	12	#Max	QAM16	20.43	17.72	PASS
5	19975	25	#0	QAM16	20.50	17.79	PASS
5	20175	1	#0	QPSK	22.35	20.03	PASS
5	20175	1	#Mid	QPSK	22.50	20.18	PASS
5	20175	1	#Max	QPSK	22.33	20.01	PASS
5	20175	12	#0	QPSK	21.45	19.13	PASS
5	20175	12	#Mid	QPSK	21.47	19.15	PASS
5	20175	12	#Max	QPSK	21.43	19.11	PASS
5	20175	25	#0	QPSK	21.47	19.15	PASS
5	20175	1	#0	QAM16	21.70	19.38	PASS
5	20175	1	#Mid	QAM16	21.68	19.36	PASS
5	20175	1	#Max	QAM16	21.52	19.20	PASS
5	20175	12	#0	QAM16	20.43	18.11	PASS
5	20175	12	#Mid	QAM16	20.41	18.09	PASS
5	20175	12	#Max	QAM16	20.43	18.11	PASS
5	20175	25	#0	QAM16	20.44	18.12	PASS
5	20375	1	#0	QPSK	22.24	19.90	PASS
5	20375	1	#Mid	QPSK	22.37	20.03	PASS
5	20375	1	#Max	QPSK	22.34	20.00	PASS
5	20375	12	#0	QPSK	21.39	19.05	PASS
5	20375	12	#Mid	QPSK	21.40	19.06	PASS
5	20375	12	#Max	QPSK	21.39	19.05	PASS
5	20375	25	#0	QPSK	21.45	19.11	PASS
5	20375	1	#0	QAM16	21.56	19.22	PASS
5	20375	1	#Mid	QAM16	21.66	19.32	PASS
5	20375	1	#Max	QAM16	21.56	19.22	PASS
5	20375	12	#0	QAM16	20.51	18.17	PASS
5	20375	12	#Mid	QAM16	20.46	18.12	PASS
5	20375	12	#Max	QAM16	20.47	18.13	PASS
5	20375	25	#0	QAM16	20.50	18.16	PASS



10	20000	1	#0	QPSK	22.42	19.75	PASS
10	20000	1	#Mid	QPSK	22.59	19.92	PASS
10	20000	1	#Max	QPSK	22.54	19.87	PASS
10	20000	25	#0	QPSK	21.52	18.85	PASS
10	20000	25	#Mid	QPSK	21.49	18.82	PASS
10	20000	25	#Max	QPSK	21.51	18.84	PASS
10	20000	50	#0	QPSK	21.50	18.83	PASS
10	20000	1	#0	QAM16	21.71	19.04	PASS
10	20000	1	#Mid	QAM16	22.01	19.34	PASS
10	20000	1	#Max	QAM16	21.84	19.17	PASS
10	20000	25	#0	QAM16	20.62	17.95	PASS
10	20000	25	#Mid	QAM16	20.63	17.96	PASS
10	20000	25	#Max	QAM16	20.62	17.95	PASS
10	20000	50	#0	QAM16	20.57	17.90	PASS
10	20175	1	#0	QPSK	22.53	20.21	PASS
10	20175	1	#Mid	QPSK	22.57	20.25	PASS
10	20175	1	#Max	QPSK	22.41	20.09	PASS
10	20175	25	#0	QPSK	21.50	19.18	PASS
10	20175	25	#Mid	QPSK	21.48	19.16	PASS
10	20175	25	#Max	QPSK	21.48	19.16	PASS
10	20175	50	#0	QPSK	21.44	19.12	PASS
10	20175	1	#0	QAM16	21.71	19.39	PASS
10	20175	1	#Mid	QAM16	21.77	19.45	PASS
10	20175	1	#Max	QAM16	21.62	19.30	PASS
10	20175	25	#0	QAM16	20.57	18.25	PASS
10	20175	25	#Mid	QAM16	20.57	18.25	PASS
10	20175	25	#Max	QAM16	20.54	18.22	PASS
10	20175	50	#0	QAM16	20.50	18.18	PASS
10	20350	1	#0	QPSK	22.46	20.12	PASS
10	20350	1	#Mid	QPSK	22.70	20.36	PASS
10	20350	1	#Max	QPSK	22.53	20.19	PASS
10	20350	25	#0	QPSK	21.45	19.11	PASS
10	20350	25	#Mid	QPSK	21.46	19.12	PASS
10	20350	25	#Max	QPSK	21.43	19.09	PASS
10	20350	50	#0	QPSK	21.45	19.11	PASS
10	20350	1	#0	QAM16	21.27	18.93	PASS
10	20350	1	#Mid	QAM16	21.50	19.16	PASS
10	20350	1	#Max	QAM16	21.34	19.00	PASS
10	20350	25	#0	QAM16	20.53	18.19	PASS
10	20350	25	#Mid	QAM16	20.54	18.20	PASS
10	20350	25	#Max	QAM16	20.45	18.11	PASS
10	20350	50	#0	QAM16	20.48	18.14	PASS
15	20025	1	#0	QPSK	22.26	19.59	PASS



15	20025	1	#Mid	QPSK	22.57	19.90	PASS
15	20025	1	#Max	QPSK	22.39	19.72	PASS
15	20025	36	#0	QPSK	21.55	18.88	PASS
15	20025	36	#Mid	QPSK	21.56	18.89	PASS
15	20025	36	#Max	QPSK	21.55	18.88	PASS
15	20025	75	#0	QPSK	21.54	18.87	PASS
15	20025	1	#0	QAM16	21.48	18.81	PASS
15	20025	1	#Mid	QAM16	21.74	19.07	PASS
15	20025	1	#Max	QAM16	21.61	18.94	PASS
15	20025	36	#0	QAM16	20.54	17.87	PASS
15	20025	36	#Mid	QAM16	20.54	17.87	PASS
15	20025	36	#Max	QAM16	20.55	17.88	PASS
15	20025	75	#0	QAM16	20.54	17.87	PASS
15	20175	1	#0	QPSK	22.42	20.10	PASS
15	20175	1	#Mid	QPSK	22.52	20.20	PASS
15	20175	1	#Max	QPSK	22.40	20.08	PASS
15	20175	36	#0	QPSK	21.47	19.15	PASS
15	20175	36	#Mid	QPSK	21.49	19.17	PASS
15	20175	36	#Max	QPSK	21.55	19.23	PASS
15	20175	75	#0	QPSK	21.49	19.17	PASS
15	20175	1	#0	QAM16	21.45	19.13	PASS
15	20175	1	#Mid	QAM16	21.53	19.21	PASS
15	20175	1	#Max	QAM16	21.38	19.06	PASS
15	20175	36	#0	QAM16	20.45	18.13	PASS
15	20175	36	#Mid	QAM16	20.45	18.13	PASS
15	20175	36	#Max	QAM16	20.46	18.14	PASS
15	20175	75	#0	QAM16	20.52	18.20	PASS
15	20325	1	#0	QPSK	22.27	19.93	PASS
15	20325	1	#Mid	QPSK	22.41	20.07	PASS
15	20325	1	#Max	QPSK	22.33	19.99	PASS
15	20325	36	#0	QPSK	21.50	19.16	PASS
15	20325	36	#Mid	QPSK	21.50	19.16	PASS
15	20325	36	#Max	QPSK	21.45	19.11	PASS
15	20325	75	#0	QPSK	21.46	19.12	PASS
15	20325	1	#0	QAM16	21.54	19.20	PASS
15	20325	1	#Mid	QAM16	21.75	19.41	PASS
15	20325	1	#Max	QAM16	21.60	19.26	PASS
15	20325	36	#0	QAM16	20.54	18.20	PASS
15	20325	36	#Mid	QAM16	20.48	18.14	PASS
15	20325	36	#Max	QAM16	20.45	18.11	PASS
15	20325	75	#0	QAM16	20.49	18.15	PASS
20	20050	1	#0	QPSK	22.08	19.41	PASS
20	20050	1	#Mid	QPSK	22.63	19.96	PASS



20	20050	1	#Max	QPSK	22.16	19.49	PASS
20	20050	50	#0	QPSK	21.58	18.91	PASS
20	20050	50	#Mid	QPSK	21.51	18.84	PASS
20	20050	50	#Max	QPSK	21.52	18.85	PASS
20	20050	100	#0	QPSK	21.54	18.87	PASS
20	20050	1	#0	QAM16	21.32	18.65	PASS
20	20050	1	#Mid	QAM16	21.89	19.22	PASS
20	20050	1	#Max	QAM16	21.42	18.75	PASS
20	20050	50	#0	QAM16	20.59	17.92	PASS
20	20050	50	#Mid	QAM16	20.59	17.92	PASS
20	20050	50	#Max	QAM16	20.60	17.93	PASS
20	20050	100	#0	QAM16	20.59	17.92	PASS
20	20175	1	#0	QPSK	22.22	19.90	PASS
20	20175	1	#Mid	QPSK	22.70	20.38	PASS
20	20175	1	#Max	QPSK	22.22	19.90	PASS
20	20175	50	#0	QPSK	21.44	19.12	PASS
20	20175	50	#Mid	QPSK	21.46	19.14	PASS
20	20175	50	#Max	QPSK	21.49	19.17	PASS
20	20175	100	#0	QPSK	21.45	19.13	PASS
20	20175	1	#0	QAM16	21.04	18.72	PASS
20	20175	1	#Mid	QAM16	21.52	19.20	PASS
20	20175	1	#Max	QAM16	21.02	18.70	PASS
20	20175	50	#0	QAM16	20.44	18.12	PASS
20	20175	50	#Mid	QAM16	20.47	18.15	PASS
20	20175	50	#Max	QAM16	20.49	18.17	PASS
20	20175	100	#0	QAM16	20.51	18.19	PASS
20	20300	1	#0	QPSK	22.14	19.80	PASS
20	20300	1	#Mid	QPSK	22.55	20.21	PASS
20	20300	1	#Max	QPSK	22.20	19.86	PASS
20	20300	50	#0	QPSK	21.50	19.16	PASS
20	20300	50	#Mid	QPSK	21.48	19.14	PASS
20	20300	50	#Max	QPSK	21.38	19.04	PASS
20	20300	100	#0	QPSK	21.43	19.09	PASS
20	20300	1	#0	QAM16	20.95	18.61	PASS
20	20300	1	#Mid	QAM16	21.40	19.06	PASS
20	20300	1	#Max	QAM16	20.89	18.55	PASS
20	20300	50	#0	QAM16	20.52	18.18	PASS
20	20300	50	#Mid	QAM16	20.54	18.20	PASS
20	20300	50	#Max	QAM16	20.48	18.14	PASS
20	20300	100	#0	QAM16	20.51	18.17	PASS
1.4	19957	1	#0	64QAM	21.40	18.69	PASS
1.4	19957	1	#Mid	64QAM	21.72	19.01	PASS
1.4	19957	1	#Max	64QAM	21.43	18.72	PASS



1.4	19957	3	#0	64QAM	21.70	18.99	PASS
1.4	19957	3	#Mid	64QAM	21.65	18.94	PASS
1.4	19957	3	#Max	64QAM	21.70	18.99	PASS
1.4	19957	6	#0	64QAM	20.51	17.80	PASS
1.4	20175	1	#0	64QAM	21.53	19.21	PASS
1.4	20175	1	#Mid	64QAM	21.72	19.40	PASS
1.4	20175	1	#Max	64QAM	21.53	19.21	PASS
1.4	20175	3	#0	64QAM	21.43	19.11	PASS
1.4	20175	3	#Mid	64QAM	21.44	19.12	PASS
1.4	20175	3	#Max	64QAM	21.48	19.16	PASS
1.4	20175	6	#0	64QAM	20.38	18.06	PASS
1.4	20393	1	#0	64QAM	21.47	19.13	PASS
1.4	20393	1	#Mid	64QAM	21.61	19.27	PASS
1.4	20393	1	#Max	64QAM	21.44	19.10	PASS
1.4	20393	3	#0	64QAM	21.58	19.24	PASS
1.4	20393	3	#Mid	64QAM	21.57	19.23	PASS
1.4	20393	3	#Max	64QAM	21.58	19.24	PASS
1.4	20393	6	#0	64QAM	20.56	18.22	PASS
3	19965	1	#0	64QAM	21.62	18.91	PASS
3	19965	1	#Mid	64QAM	21.63	18.92	PASS
3	19965	1	#Max	64QAM	21.64	18.93	PASS
3	19965	8	#0	64QAM	20.49	17.78	PASS
3	19965	8	#Mid	64QAM	20.49	17.78	PASS
3	19965	8	#Max	64QAM	20.49	17.78	PASS
3	19965	15	#0	64QAM	20.38	17.67	PASS
3	20175	1	#0	64QAM	21.29	18.97	PASS
3	20175	1	#Mid	64QAM	21.27	18.95	PASS
3	20175	1	#Max	64QAM	21.30	18.98	PASS
3	20175	8	#0	64QAM	20.43	18.11	PASS
3	20175	8	#Mid	64QAM	20.41	18.09	PASS
3	20175	8	#Max	64QAM	20.44	18.12	PASS
3	20175	15	#0	64QAM	20.43	18.11	PASS
3	20385	1	#0	64QAM	21.78	19.44	PASS
3	20385	1	#Mid	64QAM	21.83	19.49	PASS
3	20385	1	#Max	64QAM	21.81	19.47	PASS
3	20385	8	#0	64QAM	20.60	18.26	PASS
3	20385	8	#Mid	64QAM	20.61	18.27	PASS
3	20385	8	#Max	64QAM	20.61	18.27	PASS
3	20385	15	#0	64QAM	20.51	18.17	PASS
5	19975	1	#0	64QAM	21.66	18.95	PASS
5	19975	1	#Mid	64QAM	21.80	19.09	PASS
5	19975	1	#Max	64QAM	21.67	18.96	PASS
5	19975	12	#0	64QAM	20.49	17.78	PASS



5	19975	12	#Mid	64QAM	20.49	17.78	PASS
5	19975	12	#Max	64QAM	20.46	17.75	PASS
5	19975	25	#0	64QAM	20.51	17.80	PASS
5	20175	1	#0	64QAM	21.49	19.17	PASS
5	20175	1	#Mid	64QAM	21.60	19.28	PASS
5	20175	1	#Max	64QAM	21.50	19.18	PASS
5	20175	12	#0	64QAM	20.34	18.02	PASS
5	20175	12	#Mid	64QAM	20.36	18.04	PASS
5	20175	12	#Max	64QAM	20.34	18.02	PASS
5	20175	25	#0	64QAM	20.41	18.09	PASS
5	20375	1	#0	64QAM	21.65	19.31	PASS
5	20375	1	#Mid	64QAM	21.75	19.41	PASS
5	20375	1	#Max	64QAM	21.68	19.34	PASS
5	20375	12	#0	64QAM	20.55	18.21	PASS
5	20375	12	#Mid	64QAM	20.56	18.22	PASS
5	20375	12	#Max	64QAM	20.58	18.24	PASS
5	20375	25	#0	64QAM	20.59	18.25	PASS
10	20000	1	#0	64QAM	21.64	18.97	PASS
10	20000	1	#Mid	64QAM	21.78	19.11	PASS
10	20000	1	#Max	64QAM	21.66	18.99	PASS
10	20000	25	#0	64QAM	20.55	17.88	PASS
10	20000	25	#Mid	64QAM	20.55	17.88	PASS
10	20000	25	#Max	64QAM	20.49	17.82	PASS
10	20000	50	#0	64QAM	20.49	17.82	PASS
10	20175	1	#0	64QAM	21.29	18.97	PASS
10	20175	1	#Mid	64QAM	21.40	19.08	PASS
10	20175	1	#Max	64QAM	21.27	18.95	PASS
10	20175	25	#0	64QAM	20.43	18.11	PASS
10	20175	25	#Mid	64QAM	20.45	18.13	PASS
10	20175	25	#Max	64QAM	20.48	18.16	PASS
10	20175	50	#0	64QAM	20.46	18.14	PASS
10	20350	1	#0	64QAM	21.73	19.39	PASS
10	20350	1	#Mid	64QAM	21.95	19.61	PASS
10	20350	1	#Max	64QAM	21.79	19.45	PASS
10	20350	25	#0	64QAM	20.67	18.33	PASS
10	20350	25	#Mid	64QAM	20.69	18.35	PASS
10	20350	25	#Max	64QAM	20.65	18.31	PASS
10	20350	50	#0	64QAM	20.57	18.23	PASS
15	20025	1	#0	64QAM	21.39	18.72	PASS
15	20025	1	#Mid	64QAM	21.57	18.90	PASS
15	20025	1	#Max	64QAM	21.34	18.67	PASS
15	20025	36	#0	64QAM	20.53	17.86	PASS
15	20025	36	#Mid	64QAM	20.54	17.87	PASS



15	20025	36	#Max	64QAM	20.41	17.74	PASS
15	20025	75	#0	64QAM	20.48	17.81	PASS
15	20175	1	#0	64QAM	21.54	19.22	PASS
15	20175	1	#Mid	64QAM	21.65	19.33	PASS
15	20175	1	#Max	64QAM	21.59	19.27	PASS
15	20175	36	#0	64QAM	20.43	18.11	PASS
15	20175	36	#Mid	64QAM	20.41	18.09	PASS
15	20175	36	#Max	64QAM	20.44	18.12	PASS
15	20175	75	#0	64QAM	20.44	18.12	PASS
15	20325	1	#0	64QAM	21.40	19.06	PASS
15	20325	1	#Mid	64QAM	21.64	19.30	PASS
15	20325	1	#Max	64QAM	21.61	19.27	PASS
15	20325	36	#0	64QAM	20.49	18.15	PASS
15	20325	36	#Mid	64QAM	20.49	18.15	PASS
15	20325	36	#Max	64QAM	20.50	18.16	PASS
15	20325	75	#0	64QAM	20.53	18.19	PASS
20	20050	1	#0	64QAM	20.92	18.25	PASS
20	20050	1	#Mid	64QAM	21.43	18.76	PASS
20	20050	1	#Max	64QAM	20.93	18.26	PASS
20	20050	50	#0	64QAM	20.67	18.00	PASS
20	20050	50	#Mid	64QAM	20.61	17.94	PASS
20	20050	50	#Max	64QAM	20.52	17.85	PASS
20	20050	100	#0	64QAM	20.57	17.90	PASS
20	20175	1	#0	64QAM	21.30	18.98	PASS
20	20175	1	#Mid	64QAM	21.77	19.45	PASS
20	20175	1	#Max	64QAM	21.32	19.00	PASS
20	20175	50	#0	64QAM	20.44	18.12	PASS
20	20175	50	#Mid	64QAM	20.46	18.14	PASS
20	20175	50	#Max	64QAM	20.52	18.20	PASS
20	20175	100	#0	64QAM	20.46	18.14	PASS
20	20300	1	#0	64QAM	21.04	18.70	PASS
20	20300	1	#Mid	64QAM	21.52	19.18	PASS
20	20300	1	#Max	64QAM	21.20	18.86	PASS
20	20300	50	#0	64QAM	20.52	18.18	PASS
20	20300	50	#Mid	64QAM	20.49	18.15	PASS
20	20300	50	#Max	64QAM	20.46	18.12	PASS
20	20300	100	#0	64QAM	20.53	18.19	PASS

LTE Band 7							
Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
5	20775	1	#0	QPSK	21.65	22.30	PASS
5	20775	1	#Mid	QPSK	21.79	22.44	PASS



5	20775	1	#Max	QPSK	21.66	22.31	PASS
5	20775	12	#0	QPSK	20.73	21.38	PASS
5	20775	12	#Mid	QPSK	20.74	21.39	PASS
5	20775	12	#Max	QPSK	20.77	21.42	PASS
5	20775	25	#0	QPSK	20.76	21.41	PASS
5	20775	1	#0	QAM16	20.81	21.46	PASS
5	20775	1	#Mid	QAM16	20.93	21.58	PASS
5	20775	1	#Max	QAM16	20.79	21.44	PASS
5	20775	12	#0	QAM16	19.66	20.31	PASS
5	20775	12	#Mid	QAM16	19.67	20.32	PASS
5	20775	12	#Max	QAM16	19.71	20.36	PASS
5	20775	25	#0	QAM16	19.70	20.35	PASS
5	21100	1	#0	QPSK	21.86	21.05	PASS
5	21100	1	#Mid	QPSK	22.02	21.21	PASS
5	21100	1	#Max	QPSK	21.93	21.12	PASS
5	21100	12	#0	QPSK	21.07	20.26	PASS
5	21100	12	#Mid	QPSK	21.02	20.21	PASS
5	21100	12	#Max	QPSK	21.00	20.19	PASS
5	21100	25	#0	QPSK	21.05	20.24	PASS
5	21100	1	#0	QAM16	21.15	20.34	PASS
5	21100	1	#Mid	QAM16	21.29	20.48	PASS
5	21100	1	#Max	QAM16	21.22	20.41	PASS
5	21100	12	#0	QAM16	20.08	19.27	PASS
5	21100	12	#Mid	QAM16	20.08	19.27	PASS
5	21100	12	#Max	QAM16	20.04	19.23	PASS
5	21100	25	#0	QAM16	20.09	19.28	PASS
5	21425	1	#0	QPSK	21.91	21.75	PASS
5	21425	1	#Mid	QPSK	22.07	21.91	PASS
5	21425	1	#Max	QPSK	21.96	21.80	PASS
5	21425	12	#0	QPSK	21.06	20.90	PASS
5	21425	12	#Mid	QPSK	21.08	20.92	PASS
5	21425	12	#Max	QPSK	20.97	20.81	PASS
5	21425	25	#0	QPSK	21.01	20.85	PASS
5	21425	1	#0	QAM16	21.20	21.04	PASS
5	21425	1	#Mid	QAM16	21.34	21.18	PASS
5	21425	1	#Max	QAM16	21.21	21.05	PASS
5	21425	12	#0	QAM16	20.03	19.87	PASS
5	21425	12	#Mid	QAM16	20.00	19.84	PASS
5	21425	12	#Max	QAM16	19.93	19.77	PASS
5	21425	25	#0	QAM16	20.05	19.89	PASS
10	20800	1	#0	QPSK	21.68	21.78	PASS
10	20800	1	#Mid	QPSK	21.92	22.02	PASS
10	20800	1	#Max	QPSK	21.79	21.89	PASS



10	20800	25	#0	QPSK	20.77	20.87	PASS
10	20800	25	#Mid	QPSK	20.78	20.88	PASS
10	20800	25	#Max	QPSK	20.85	20.95	PASS
10	20800	50	#0	QPSK	20.83	20.93	PASS
10	20800	1	#0	QAM16	20.81	20.91	PASS
10	20800	1	#Mid	QAM16	21.08	21.18	PASS
10	20800	1	#Max	QAM16	20.97	21.07	PASS
10	20800	25	#0	QAM16	19.82	19.92	PASS
10	20800	25	#Mid	QAM16	19.81	19.91	PASS
10	20800	25	#Max	QAM16	19.90	20.00	PASS
10	20800	50	#0	QAM16	19.80	19.90	PASS
10	21100	1	#0	QPSK	22.01	21.20	PASS
10	21100	1	#Mid	QPSK	22.31	21.50	PASS
10	21100	1	#Max	QPSK	22.14	21.33	PASS
10	21100	25	#0	QPSK	21.08	20.27	PASS
10	21100	25	#Mid	QPSK	21.07	20.26	PASS
10	21100	25	#Max	QPSK	21.12	20.31	PASS
10	21100	50	#0	QPSK	21.02	20.21	PASS
10	21100	1	#0	QAM16	20.84	20.03	PASS
10	21100	1	#Mid	QAM16	21.12	20.31	PASS
10	21100	1	#Max	QAM16	20.98	20.17	PASS
10	21100	25	#0	QAM16	20.12	19.31	PASS
10	21100	25	#Mid	QAM16	20.12	19.31	PASS
10	21100	25	#Max	QAM16	20.12	19.31	PASS
10	21100	50	#0	QAM16	20.08	19.27	PASS
10	21400	1	#0	QPSK	21.99	21.83	PASS
10	21400	1	#Mid	QPSK	22.18	22.02	PASS
10	21400	1	#Max	QPSK	22.02	21.86	PASS
10	21400	25	#0	QPSK	21.17	21.01	PASS
10	21400	25	#Mid	QPSK	21.16	21.00	PASS
10	21400	25	#Max	QPSK	21.01	20.85	PASS
10	21400	50	#0	QPSK	21.05	20.89	PASS
10	21400	1	#0	QAM16	21.22	21.06	PASS
10	21400	1	#Mid	QAM16	21.41	21.25	PASS
10	21400	1	#Max	QAM16	21.25	21.09	PASS
10	21400	25	#0	QAM16	20.19	20.03	PASS
10	21400	25	#Mid	QAM16	20.20	20.04	PASS
10	21400	25	#Max	QAM16	20.08	19.92	PASS
10	21400	50	#0	QAM16	20.07	19.91	PASS
15	20825	1	#0	QPSK	21.59	21.69	PASS
15	20825	1	#Mid	QPSK	21.74	21.84	PASS
15	20825	1	#Max	QPSK	21.70	21.80	PASS
15	20825	36	#0	QPSK	20.71	20.81	PASS



15	20825	36	#Mid	QPSK	20.72	20.82	PASS
15	20825	36	#Max	QPSK	20.90	21.00	PASS
15	20825	75	#0	QPSK	20.85	20.95	PASS
15	20825	1	#0	QAM16	20.80	20.90	PASS
15	20825	1	#Mid	QAM16	21.03	21.13	PASS
15	20825	1	#Max	QAM16	20.93	21.03	PASS
15	20825	36	#0	QAM16	19.73	19.83	PASS
15	20825	36	#Mid	QAM16	19.78	19.88	PASS
15	20825	36	#Max	QAM16	19.93	20.03	PASS
15	20825	75	#0	QAM16	19.86	19.96	PASS
15	21100	1	#0	QPSK	21.83	21.02	PASS
15	21100	1	#Mid	QPSK	22.09	21.28	PASS
15	21100	1	#Max	QPSK	22.01	21.20	PASS
15	21100	36	#0	QPSK	21.05	20.24	PASS
15	21100	36	#Mid	QPSK	21.07	20.26	PASS
15	21100	36	#Max	QPSK	21.13	20.32	PASS
15	21100	75	#0	QPSK	21.11	20.30	PASS
15	21100	1	#0	QAM16	20.99	20.18	PASS
15	21100	1	#Mid	QAM16	21.21	20.40	PASS
15	21100	1	#Max	QAM16	21.15	20.34	PASS
15	21100	36	#0	QAM16	20.06	19.25	PASS
15	21100	36	#Mid	QAM16	20.05	19.24	PASS
15	21100	36	#Max	QAM16	20.12	19.31	PASS
15	21100	75	#0	QAM16	20.11	19.30	PASS
15	21375	1	#0	QPSK	21.98	21.59	PASS
15	21375	1	#Mid	QPSK	22.16	21.77	PASS
15	21375	1	#Max	QPSK	22.02	21.63	PASS
15	21375	36	#0	QPSK	21.13	20.74	PASS
15	21375	36	#Mid	QPSK	21.14	20.75	PASS
15	21375	36	#Max	QPSK	21.08	20.69	PASS
15	21375	75	#0	QPSK	21.13	20.74	PASS
15	21375	1	#0	QAM16	20.92	20.53	PASS
15	21375	1	#Mid	QAM16	21.11	20.72	PASS
15	21375	1	#Max	QAM16	20.98	20.59	PASS
15	21375	36	#0	QAM16	20.04	19.65	PASS
15	21375	36	#Mid	QAM16	20.03	19.64	PASS
15	21375	36	#Max	QAM16	20.05	19.66	PASS
15	21375	75	#0	QAM16	20.05	19.66	PASS
20	20850	1	#0	QPSK	21.52	21.62	PASS
20	20850	1	#Mid	QPSK	21.97	22.07	PASS
20	20850	1	#Max	QPSK	21.67	21.77	PASS
20	20850	50	#0	QPSK	20.68	20.78	PASS
20	20850	50	#Mid	QPSK	20.66	20.76	PASS



20	20850	50	#Max	QPSK	20.99	21.09	PASS
20	20850	100	#0	QPSK	20.81	20.91	PASS
20	20850	1	#0	QAM16	20.32	20.42	PASS
20	20850	1	#Mid	QAM16	20.80	20.90	PASS
20	20850	1	#Max	QAM16	20.50	20.60	PASS
20	20850	50	#0	QAM16	19.62	19.72	PASS
20	20850	50	#Mid	QAM16	19.65	19.75	PASS
20	20850	50	#Max	QAM16	19.97	20.07	PASS
20	20850	100	#0	QAM16	19.84	19.94	PASS
20	21100	1	#0	QPSK	21.59	20.78	PASS
20	21100	1	#Mid	QPSK	22.18	21.37	PASS
20	21100	1	#Max	QPSK	21.90	21.09	PASS
20	21100	50	#0	QPSK	21.04	20.23	PASS
20	21100	50	#Mid	QPSK	21.06	20.25	PASS
20	21100	50	#Max	QPSK	21.09	20.28	PASS
20	21100	100	#0	QPSK	21.04	20.23	PASS
20	21100	1	#0	QAM16	20.37	19.56	PASS
20	21100	1	#Mid	QAM16	20.92	20.11	PASS
20	21100	1	#Max	QAM16	20.71	19.90	PASS
20	21100	50	#0	QAM16	20.11	19.30	PASS
20	21100	50	#Mid	QAM16	20.08	19.27	PASS
20	21100	50	#Max	QAM16	20.13	19.32	PASS
20	21100	100	#0	QAM16	20.14	19.33	PASS
20	21350	1	#0	QPSK	21.82	21.43	PASS
20	21350	1	#Mid	QPSK	22.21	21.82	PASS
20	21350	1	#Max	QPSK	21.77	21.38	PASS
20	21350	50	#0	QPSK	20.97	20.58	PASS
20	21350	50	#Mid	QPSK	20.96	20.57	PASS
20	21350	50	#Max	QPSK	20.91	20.52	PASS
20	21350	100	#0	QPSK	20.91	20.52	PASS
20	21350	1	#0	QAM16	20.93	20.54	PASS
20	21350	1	#Mid	QAM16	21.35	20.96	PASS
20	21350	1	#Max	QAM16	20.96	20.57	PASS
20	21350	50	#0	QAM16	19.97	19.58	PASS
20	21350	50	#Mid	QAM16	19.98	19.59	PASS
20	21350	50	#Max	QAM16	19.89	19.50	PASS
20	21350	100	#0	QAM16	19.84	19.45	PASS
5	20775	1	#0	64QAM	20.48	21.13	PASS
5	20775	1	#Mid	64QAM	20.48	21.13	PASS
5	20775	1	#Max	64QAM	20.38	21.03	PASS
5	20775	12	#0	64QAM	19.25	19.90	PASS
5	20775	12	#Mid	64QAM	19.65	20.30	PASS
5	20775	12	#Max	64QAM	19.34	19.99	PASS



5	20775	25	#0	64QAM	19.42	20.07	PASS
5	21100	1	#0	64QAM	20.40	19.59	PASS
5	21100	1	#Mid	64QAM	20.56	19.75	PASS
5	21100	1	#Max	64QAM	20.48	19.67	PASS
5	21100	12	#0	64QAM	19.35	18.54	PASS
5	21100	12	#Mid	64QAM	19.30	18.49	PASS
5	21100	12	#Max	64QAM	19.59	18.78	PASS
5	21100	25	#0	64QAM	19.45	18.64	PASS
5	21425	1	#0	64QAM	20.62	20.46	PASS
5	21425	1	#Mid	64QAM	20.78	20.62	PASS
5	21425	1	#Max	64QAM	20.65	20.49	PASS
5	21425	12	#0	64QAM	19.58	19.42	PASS
5	21425	12	#Mid	64QAM	19.57	19.41	PASS
5	21425	12	#Max	64QAM	19.48	19.32	PASS
5	21425	25	#0	64QAM	19.52	19.36	PASS
10	20800	1	#0	64QAM	20.81	20.91	PASS
10	20800	1	#Mid	64QAM	20.56	20.66	PASS
10	20800	1	#Max	64QAM	20.37	20.47	PASS
10	20800	25	#0	64QAM	19.38	19.48	PASS
10	20800	25	#Mid	64QAM	19.50	19.60	PASS
10	20800	25	#Max	64QAM	19.34	19.44	PASS
10	20800	50	#0	64QAM	19.34	19.44	PASS
10	21100	1	#0	64QAM	20.35	19.54	PASS
10	21100	1	#Mid	64QAM	20.62	19.81	PASS
10	21100	1	#Max	64QAM	20.58	19.77	PASS
10	21100	25	#0	64QAM	19.40	18.59	PASS
10	21100	25	#Mid	64QAM	19.45	18.64	PASS
10	21100	25	#Max	64QAM	19.49	18.68	PASS
10	21100	50	#0	64QAM	19.41	18.60	PASS
10	21400	1	#0	64QAM	20.39	20.23	PASS
10	21400	1	#Mid	64QAM	20.52	20.36	PASS
10	21400	1	#Max	64QAM	20.39	20.23	PASS
10	21400	25	#0	64QAM	19.64	19.48	PASS
10	21400	25	#Mid	64QAM	19.65	19.49	PASS
10	21400	25	#Max	64QAM	19.50	19.34	PASS
10	21400	50	#0	64QAM	19.57	19.41	PASS
15	20825	1	#0	64QAM	20.48	20.58	PASS
15	20825	1	#Mid	64QAM	20.17	20.27	PASS
15	20825	1	#Max	64QAM	20.00	20.10	PASS
15	20825	36	#0	64QAM	19.15	19.25	PASS
15	20825	36	#Mid	64QAM	19.33	19.43	PASS
15	20825	36	#Max	64QAM	19.27	19.37	PASS
15	20825	75	#0	64QAM	19.21	19.31	PASS



15	21100	1	#0	64QAM	20.30	19.49	PASS
15	21100	1	#Mid	64QAM	20.59	19.78	PASS
15	21100	1	#Max	64QAM	20.64	19.83	PASS
15	21100	36	#0	64QAM	19.32	18.51	PASS
15	21100	36	#Mid	64QAM	19.32	18.51	PASS
15	21100	36	#Max	64QAM	19.43	18.62	PASS
15	21100	75	#0	64QAM	19.40	18.59	PASS
15	21375	1	#0	64QAM	20.56	20.17	PASS
15	21375	1	#Mid	64QAM	20.75	20.36	PASS
15	21375	1	#Max	64QAM	20.55	20.16	PASS
15	21375	36	#0	64QAM	19.59	19.20	PASS
15	21375	36	#Mid	64QAM	19.59	19.20	PASS
15	21375	36	#Max	64QAM	19.51	19.12	PASS
15	21375	75	#0	64QAM	19.60	19.21	PASS
20	20850	1	#0	64QAM	19.67	19.77	PASS
20	20850	1	#Mid	64QAM	20.03	20.13	PASS
20	20850	1	#Max	64QAM	19.58	19.68	PASS
20	20850	50	#0	64QAM	19.13	19.23	PASS
20	20850	50	#Mid	64QAM	19.16	19.26	PASS
20	20850	50	#Max	64QAM	19.30	19.40	PASS
20	20850	100	#0	64QAM	19.16	19.26	PASS
20	21100	1	#0	64QAM	19.94	19.13	PASS
20	21100	1	#Mid	64QAM	20.72	19.91	PASS
20	21100	1	#Max	64QAM	20.44	19.63	PASS
20	21100	50	#0	64QAM	19.33	18.52	PASS
20	21100	50	#Mid	64QAM	19.34	18.53	PASS
20	21100	50	#Max	64QAM	19.46	18.65	PASS
20	21100	100	#0	64QAM	19.37	18.56	PASS
20	21350	1	#0	64QAM	20.17	19.78	PASS
20	21350	1	#Mid	64QAM	20.58	20.19	PASS
20	21350	1	#Max	64QAM	20.12	19.73	PASS
20	21350	50	#0	64QAM	19.47	19.08	PASS
20	21350	50	#Mid	64QAM	19.46	19.07	PASS
20	21350	50	#Max	64QAM	19.39	19.00	PASS
20	21350	100	#0	64QAM	19.46	19.07	PASS

LTE Band 17							
Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	ERP (dBm)	Verdict
5	23755	1	#0	QPSK	23.29	18.23	PASS
5	23755	1	#Mid	QPSK	23.43	18.37	PASS
5	23755	1	#Max	QPSK	23.34	18.28	PASS
5	23755	12	#0	QPSK	22.31	17.25	PASS



5	23755	12	#Mid	QPSK	22.33	17.27	PASS
5	23755	12	#Max	QPSK	22.53	17.47	PASS
5	23755	25	#0	QPSK	22.46	17.40	PASS
5	23755	1	#0	QAM16	22.62	17.56	PASS
5	23755	1	#Mid	QAM16	22.75	17.69	PASS
5	23755	1	#Max	QAM16	22.64	17.58	PASS
5	23755	12	#0	QAM16	21.30	16.24	PASS
5	23755	12	#Mid	QAM16	21.31	16.25	PASS
5	23755	12	#Max	QAM16	21.48	16.42	PASS
5	23755	25	#0	QAM16	21.47	16.41	PASS
5	23790	1	#0	QPSK	23.35	18.29	PASS
5	23790	1	#Mid	QPSK	23.47	18.41	PASS
5	23790	1	#Max	QPSK	23.29	18.23	PASS
5	23790	12	#0	QPSK	22.45	17.39	PASS
5	23790	12	#Mid	QPSK	22.50	17.44	PASS
5	23790	12	#Max	QPSK	22.38	17.32	PASS
5	23790	25	#0	QPSK	22.42	17.36	PASS
5	23790	1	#0	QAM16	22.52	17.46	PASS
5	23790	1	#Mid	QAM16	22.61	17.55	PASS
5	23790	1	#Max	QAM16	22.53	17.47	PASS
5	23790	12	#0	QAM16	21.39	16.33	PASS
5	23790	12	#Mid	QAM16	21.36	16.30	PASS
5	23790	12	#Max	QAM16	21.32	16.26	PASS
5	23790	25	#0	QAM16	21.40	16.34	PASS
5	23825	1	#0	QPSK	23.28	18.22	PASS
5	23825	1	#Mid	QPSK	23.44	18.38	PASS
5	23825	1	#Max	QPSK	23.35	18.29	PASS
5	23825	12	#0	QPSK	22.55	17.49	PASS
5	23825	12	#Mid	QPSK	22.57	17.51	PASS
5	23825	12	#Max	QPSK	22.43	17.37	PASS
5	23825	25	#0	QPSK	22.52	17.46	PASS
5	23825	1	#0	QAM16	22.53	17.47	PASS
5	23825	1	#Mid	QAM16	22.75	17.69	PASS
5	23825	1	#Max	QAM16	22.65	17.59	PASS
5	23825	12	#0	QAM16	21.60	16.54	PASS
5	23825	12	#Mid	QAM16	21.55	16.49	PASS
5	23825	12	#Max	QAM16	21.44	16.38	PASS
5	23825	25	#0	QAM16	21.55	16.49	PASS
10	23780	1	#0	QPSK	23.38	18.32	PASS
10	23780	1	#Mid	QPSK	23.63	18.57	PASS
10	23780	1	#Max	QPSK	23.44	18.38	PASS
10	23780	25	#0	QPSK	22.29	17.23	PASS
10	23780	25	#Mid	QPSK	22.30	17.24	PASS



10	23780	25	#Max	QPSK	22.30	17.24	PASS
10	23780	50	#0	QPSK	22.32	17.26	PASS
10	23780	1	#0	QAM16	22.58	17.52	PASS
10	23780	1	#Mid	QAM16	22.70	17.64	PASS
10	23780	1	#Max	QAM16	22.60	17.54	PASS
10	23780	25	#0	QAM16	21.31	16.25	PASS
10	23780	25	#Mid	QAM16	21.31	16.25	PASS
10	23780	25	#Max	QAM16	21.35	16.29	PASS
10	23780	50	#0	QAM16	21.33	16.27	PASS
10	23790	1	#0	QPSK	23.44	18.38	PASS
10	23790	1	#Mid	QPSK	23.63	18.57	PASS
10	23790	1	#Max	QPSK	23.53	18.47	PASS
10	23790	25	#0	QPSK	22.37	17.31	PASS
10	23790	25	#Mid	QPSK	22.41	17.35	PASS
10	23790	25	#Max	QPSK	22.28	17.22	PASS
10	23790	50	#0	QPSK	22.31	17.25	PASS
10	23790	1	#0	QAM16	22.30	17.24	PASS
10	23790	1	#Mid	QAM16	22.46	17.40	PASS
10	23790	1	#Max	QAM16	22.35	17.29	PASS
10	23790	25	#0	QAM16	21.35	16.29	PASS
10	23790	25	#Mid	QAM16	21.37	16.31	PASS
10	23790	25	#Max	QAM16	21.32	16.26	PASS
10	23790	50	#0	QAM16	21.35	16.29	PASS
10	23800	1	#0	QPSK	23.38	18.32	PASS
10	23800	1	#Mid	QPSK	23.59	18.53	PASS
10	23800	1	#Max	QPSK	23.46	18.40	PASS
10	23800	25	#0	QPSK	22.44	17.38	PASS
10	23800	25	#Mid	QPSK	22.43	17.37	PASS
10	23800	25	#Max	QPSK	22.27	17.21	PASS
10	23800	50	#0	QPSK	22.37	17.31	PASS
10	23800	1	#0	QAM16	22.63	17.57	PASS
10	23800	1	#Mid	QAM16	22.81	17.75	PASS
10	23800	1	#Max	QAM16	22.75	17.69	PASS
10	23800	25	#0	QAM16	21.50	16.44	PASS
10	23800	25	#Mid	QAM16	21.52	16.46	PASS
10	23800	25	#Max	QAM16	21.35	16.29	PASS
10	23800	50	#0	QAM16	21.42	16.36	PASS
5	23755	1	#0	64QAM	22.05	16.99	PASS
5	23755	1	#Mid	64QAM	22.18	17.12	PASS
5	23755	1	#Max	64QAM	22.08	17.02	PASS
5	23755	12	#0	64QAM	20.76	15.70	PASS
5	23755	12	#Mid	64QAM	20.80	15.74	PASS
5	23755	12	#Max	64QAM	20.90	15.84	PASS



5	23755	25	#0	64QAM	20.83	15.77	PASS
5	23790	1	#0	64QAM	21.98	16.92	PASS
5	23790	1	#Mid	64QAM	22.09	17.03	PASS
5	23790	1	#Max	64QAM	21.98	16.92	PASS
5	23790	12	#0	64QAM	20.86	15.80	PASS
5	23790	12	#Mid	64QAM	20.88	15.82	PASS
5	23790	12	#Max	64QAM	20.75	15.69	PASS
5	23790	25	#0	64QAM	20.81	15.75	PASS
5	23825	1	#0	64QAM	22.00	16.94	PASS
5	23825	1	#Mid	64QAM	22.21	17.15	PASS
5	23825	1	#Max	64QAM	21.79	16.73	PASS
5	23825	12	#0	64QAM	21.07	16.01	PASS
5	23825	12	#Mid	64QAM	21.07	16.01	PASS
5	23825	12	#Max	64QAM	20.92	15.86	PASS
5	23825	25	#0	64QAM	20.97	15.91	PASS
10	23780	1	#0	64QAM	22.13	17.07	PASS
10	23780	1	#Mid	64QAM	22.26	17.20	PASS
10	23780	1	#Max	64QAM	22.13	17.07	PASS
10	23780	25	#0	64QAM	20.83	15.77	PASS
10	23780	25	#Mid	64QAM	20.85	15.79	PASS
10	23780	25	#Max	64QAM	20.85	15.79	PASS
10	23780	50	#0	64QAM	20.72	15.66	PASS
10	23790	1	#0	64QAM	21.99	16.93	PASS
10	23790	1	#Mid	64QAM	22.13	17.07	PASS
10	23790	1	#Max	64QAM	22.09	17.03	PASS
10	23790	25	#0	64QAM	20.86	15.80	PASS
10	23790	25	#Mid	64QAM	20.89	15.83	PASS
10	23790	25	#Max	64QAM	20.79	15.73	PASS
10	23790	50	#0	64QAM	20.71	15.65	PASS
10	23800	1	#0	64QAM	21.71	16.65	PASS
10	23800	1	#Mid	64QAM	21.92	16.86	PASS
10	23800	1	#Max	64QAM	21.82	16.76	PASS
10	23800	25	#0	64QAM	20.93	15.87	PASS
10	23800	25	#Mid	64QAM	20.93	15.87	PASS
10	23800	25	#Max	64QAM	20.83	15.77	PASS
10	23800	50	#0	64QAM	20.81	15.75	PASS

LTE Band 41							
Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
5	40065	1	#0	QPSK	22.19	21.38	PASS
5	40065	1	#Mid	QPSK	22.40	21.59	PASS
5	40065	1	#Max	QPSK	22.33	21.52	PASS



5	40065	12	#0	QPSK	21.31	20.50	PASS
5	40065	12	#Mid	QPSK	21.29	20.48	PASS
5	40065	12	#Max	QPSK	21.38	20.57	PASS
5	40065	25	#0	QPSK	21.42	20.61	PASS
5	40065	1	#0	QAM16	21.48	20.67	PASS
5	40065	1	#Mid	QAM16	21.70	20.89	PASS
5	40065	1	#Max	QAM16	21.60	20.79	PASS
5	40065	12	#0	QAM16	20.35	19.54	PASS
5	40065	12	#Mid	QAM16	20.36	19.55	PASS
5	40065	12	#Max	QAM16	20.41	19.60	PASS
5	40065	25	#0	QAM16	20.37	19.56	PASS
5	40640	1	#0	QPSK	22.61	22.30	PASS
5	40640	1	#Mid	QPSK	22.81	22.50	PASS
5	40640	1	#Max	QPSK	22.71	22.40	PASS
5	40640	12	#0	QPSK	21.75	21.44	PASS
5	40640	12	#Mid	QPSK	21.70	21.39	PASS
5	40640	12	#Max	QPSK	21.79	21.48	PASS
5	40640	25	#0	QPSK	21.77	21.46	PASS
5	40640	1	#0	QAM16	21.95	21.64	PASS
5	40640	1	#Mid	QAM16	22.19	21.88	PASS
5	40640	1	#Max	QAM16	22.07	21.76	PASS
5	40640	12	#0	QAM16	20.70	20.39	PASS
5	40640	12	#Mid	QAM16	20.66	20.35	PASS
5	40640	12	#Max	QAM16	20.72	20.41	PASS
5	40640	25	#0	QAM16	20.76	20.45	PASS
5	41215	1	#0	QPSK	22.76	22.08	PASS
5	41215	1	#Mid	QPSK	22.89	22.21	PASS
5	41215	1	#Max	QPSK	22.51	21.83	PASS
5	41215	12	#0	QPSK	21.24	20.56	PASS
5	41215	12	#Mid	QPSK	21.21	20.53	PASS
5	41215	12	#Max	QPSK	21.39	20.71	PASS
5	41215	25	#0	QPSK	21.28	20.60	PASS
5	41215	1	#0	QAM16	21.24	20.56	PASS
5	41215	1	#Mid	QAM16	21.53	20.85	PASS
5	41215	1	#Max	QAM16	21.57	20.89	PASS
5	41215	12	#0	QAM16	20.12	19.44	PASS
5	41215	12	#Mid	QAM16	20.17	19.49	PASS
5	41215	12	#Max	QAM16	20.30	19.62	PASS
5	41215	25	#0	QAM16	20.24	19.56	PASS
10	40090	1	#0	QPSK	21.47	20.66	PASS
10	40090	1	#Mid	QPSK	22.51	21.70	PASS
10	40090	1	#Max	QPSK	23.09	22.28	PASS
10	40090	25	#0	QPSK	20.95	20.14	PASS



10	40090	25	#Mid	QPSK	20.96	20.15	PASS
10	40090	25	#Max	QPSK	21.70	20.89	PASS
10	40090	50	#0	QPSK	21.28	20.47	PASS
10	40090	1	#0	QAM16	20.35	19.54	PASS
10	40090	1	#Mid	QAM16	21.44	20.63	PASS
10	40090	1	#Max	QAM16	22.02	21.21	PASS
10	40090	25	#0	QAM16	19.93	19.12	PASS
10	40090	25	#Mid	QAM16	19.93	19.12	PASS
10	40090	25	#Max	QAM16	20.67	19.86	PASS
10	40090	50	#0	QAM16	20.46	19.65	PASS
10	40640	1	#0	QPSK	22.64	22.33	PASS
10	40640	1	#Mid	QPSK	22.95	22.64	PASS
10	40640	1	#Max	QPSK	22.83	22.52	PASS
10	40640	25	#0	QPSK	21.75	21.44	PASS
10	40640	25	#Mid	QPSK	21.76	21.45	PASS
10	40640	25	#Max	QPSK	21.84	21.53	PASS
10	40640	50	#0	QPSK	21.78	21.47	PASS
10	40640	1	#0	QAM16	21.97	21.66	PASS
10	40640	1	#Mid	QAM16	22.29	21.98	PASS
10	40640	1	#Max	QAM16	22.15	21.84	PASS
10	40640	25	#0	QAM16	20.83	20.52	PASS
10	40640	25	#Mid	QAM16	20.84	20.53	PASS
10	40640	25	#Max	QAM16	20.91	20.60	PASS
10	40640	50	#0	QAM16	20.81	20.50	PASS
10	41190	1	#0	QPSK	22.85	22.17	PASS
10	41190	1	#Mid	QPSK	23.10	22.42	PASS
10	41190	1	#Max	QPSK	22.84	22.16	PASS
10	41190	25	#0	QPSK	21.88	21.20	PASS
10	41190	25	#Mid	QPSK	21.88	21.20	PASS
10	41190	25	#Max	QPSK	21.89	21.21	PASS
10	41190	50	#0	QPSK	21.87	21.19	PASS
10	41190	1	#0	QAM16	21.86	21.18	PASS
10	41190	1	#Mid	QAM16	22.14	21.46	PASS
10	41190	1	#Max	QAM16	21.85	21.17	PASS
10	41190	25	#0	QAM16	20.92	20.24	PASS
10	41190	25	#Mid	QAM16	20.92	20.24	PASS
10	41190	25	#Max	QAM16	20.89	20.21	PASS
10	41190	50	#0	QAM16	20.82	20.14	PASS
15	40115	1	#0	QPSK	22.18	21.37	PASS
15	40115	1	#Mid	QPSK	22.50	21.69	PASS
15	40115	1	#Max	QPSK	22.53	21.72	PASS
15	40115	36	#0	QPSK	21.39	20.58	PASS
15	40115	36	#Mid	QPSK	21.41	20.60	PASS



15	40115	36	#Max	QPSK	21.61	20.80	PASS
15	40115	75	#0	QPSK	21.52	20.71	PASS
15	40115	1	#0	QAM16	21.51	20.70	PASS
15	40115	1	#Mid	QAM16	21.83	21.02	PASS
15	40115	1	#Max	QAM16	21.83	21.02	PASS
15	40115	36	#0	QAM16	20.38	19.57	PASS
15	40115	36	#Mid	QAM16	20.38	19.57	PASS
15	40115	36	#Max	QAM16	20.60	19.79	PASS
15	40115	75	#0	QAM16	20.52	19.71	PASS
15	40640	1	#0	QPSK	22.52	22.21	PASS
15	40640	1	#Mid	QPSK	22.81	22.50	PASS
15	40640	1	#Max	QPSK	22.79	22.48	PASS
15	40640	36	#0	QPSK	21.66	21.35	PASS
15	40640	36	#Mid	QPSK	21.64	21.33	PASS
15	40640	36	#Max	QPSK	21.88	21.57	PASS
15	40640	75	#0	QPSK	21.81	21.50	PASS
15	40640	1	#0	QAM16	21.53	21.22	PASS
15	40640	1	#Mid	QAM16	21.85	21.54	PASS
15	40640	1	#Max	QAM16	21.84	21.53	PASS
15	40640	36	#0	QAM16	20.65	20.34	PASS
15	40640	36	#Mid	QAM16	20.65	20.34	PASS
15	40640	36	#Max	QAM16	20.82	20.51	PASS
15	40640	75	#0	QAM16	20.74	20.43	PASS
15	41165	1	#0	QPSK	22.88	22.20	PASS
15	41165	1	#Mid	QPSK	22.88	22.20	PASS
15	41165	1	#Max	QPSK	22.81	22.13	PASS
15	41165	36	#0	QPSK	21.89	21.21	PASS
15	41165	36	#Mid	QPSK	21.88	21.20	PASS
15	41165	36	#Max	QPSK	21.88	21.20	PASS
15	41165	75	#0	QPSK	21.88	21.20	PASS
15	41165	1	#0	QAM16	21.84	21.16	PASS
15	41165	1	#Mid	QAM16	21.92	21.24	PASS
15	41165	1	#Max	QAM16	21.79	21.11	PASS
15	41165	36	#0	QAM16	20.82	20.14	PASS
15	41165	36	#Mid	QAM16	20.83	20.15	PASS
15	41165	36	#Max	QAM16	20.81	20.13	PASS
15	41165	75	#0	QAM16	20.87	20.19	PASS
20	40140	1	#0	QPSK	22.08	21.40	PASS
20	40140	1	#Mid	QPSK	22.74	22.06	PASS
20	40140	1	#Max	QPSK	22.41	21.73	PASS
20	40140	50	#0	QPSK	21.33	20.65	PASS
20	40140	50	#Mid	QPSK	21.33	20.65	PASS
20	40140	50	#Max	QPSK	21.61	20.93	PASS



20	40140	100	#0	QPSK	21.48	20.80	PASS
20	40140	1	#0	QAM16	21.00	20.32	PASS
20	40140	1	#Mid	QAM16	21.68	21.00	PASS
20	40140	1	#Max	QAM16	21.33	20.65	PASS
20	40140	50	#0	QAM16	20.33	19.65	PASS
20	40140	50	#Mid	QAM16	20.30	19.62	PASS
20	40140	50	#Max	QAM16	20.58	19.90	PASS
20	40140	100	#0	QAM16	20.53	19.85	PASS
20	40640	1	#0	QPSK	22.33	22.02	PASS
20	40640	1	#Mid	QPSK	22.93	22.62	PASS
20	40640	1	#Max	QPSK	22.66	22.35	PASS
20	40640	50	#0	QPSK	21.59	21.28	PASS
20	40640	50	#Mid	QPSK	21.60	21.29	PASS
20	40640	50	#Max	QPSK	21.80	21.49	PASS
20	40640	100	#0	QPSK	21.74	21.43	PASS
20	40640	1	#0	QAM16	20.98	20.67	PASS
20	40640	1	#Mid	QAM16	21.62	21.31	PASS
20	40640	1	#Max	QAM16	21.35	21.04	PASS
20	40640	50	#0	QAM16	20.62	20.31	PASS
20	40640	50	#Mid	QAM16	20.62	20.31	PASS
20	40640	50	#Max	QAM16	20.85	20.54	PASS
20	40640	100	#0	QAM16	20.71	20.40	PASS
20	41140	1	#0	QPSK	22.66	21.98	PASS
20	41140	1	#Mid	QPSK	23.04	22.36	PASS
20	41140	1	#Max	QPSK	22.56	21.88	PASS
20	41140	50	#0	QPSK	21.80	21.12	PASS
20	41140	50	#Mid	QPSK	21.80	21.12	PASS
20	41140	50	#Max	QPSK	21.84	21.16	PASS
20	41140	100	#0	QPSK	21.85	21.17	PASS
20	41140	1	#0	QAM16	21.80	21.12	PASS
20	41140	1	#Mid	QAM16	22.17	21.49	PASS
20	41140	1	#Max	QAM16	21.72	21.04	PASS
20	41140	50	#0	QAM16	20.81	20.13	PASS
20	41140	50	#Mid	QAM16	20.81	20.13	PASS
20	41140	50	#Max	QAM16	20.84	20.16	PASS
20	41140	100	#0	QAM16	20.84	20.16	PASS
5	40065	1	#0	64QAM	21.02	20.21	PASS
5	40065	1	#Mid	64QAM	21.23	20.42	PASS
5	40065	1	#Max	64QAM	21.17	20.36	PASS
5	40065	12	#0	64QAM	19.77	18.96	PASS
5	40065	12	#Mid	64QAM	19.76	18.95	PASS
5	40065	12	#Max	64QAM	19.83	19.02	PASS
5	40065	25	#0	64QAM	19.85	19.04	PASS



5	40640	1	#0	64QAM	21.25	20.94	PASS
5	40640	1	#Mid	64QAM	21.43	21.12	PASS
5	40640	1	#Max	64QAM	21.35	21.04	PASS
5	40640	12	#0	64QAM	20.09	19.78	PASS
5	40640	12	#Mid	64QAM	20.09	19.78	PASS
5	40640	12	#Max	64QAM	20.18	19.87	PASS
5	40640	25	#0	64QAM	20.16	19.85	PASS
5	41215	1	#0	64QAM	21.45	20.10	PASS
5	41215	1	#Mid	64QAM	21.60	20.25	PASS
5	41215	1	#Max	64QAM	21.46	20.11	PASS
5	41215	12	#0	64QAM	20.29	18.94	PASS
5	41215	12	#Mid	64QAM	20.28	18.93	PASS
5	41215	12	#Max	64QAM	20.31	18.96	PASS
5	41215	25	#0	64QAM	20.27	18.92	PASS
10	40090	1	#0	64QAM	21.07	20.26	PASS
10	40090	1	#Mid	64QAM	21.44	20.63	PASS
10	40090	1	#Max	64QAM	21.26	20.45	PASS
10	40090	25	#0	64QAM	19.93	19.12	PASS
10	40090	25	#Mid	64QAM	19.94	19.13	PASS
10	40090	25	#Max	64QAM	20.08	19.27	PASS
10	40090	50	#0	64QAM	19.93	19.12	PASS
10	40640	1	#0	64QAM	21.16	20.85	PASS
10	40640	1	#Mid	64QAM	21.49	21.18	PASS
10	40640	1	#Max	64QAM	21.31	21.00	PASS
10	40640	25	#0	64QAM	20.23	19.92	PASS
10	40640	25	#Mid	64QAM	20.25	19.94	PASS
10	40640	25	#Max	64QAM	20.31	20.00	PASS
10	40640	50	#0	64QAM	20.23	19.92	PASS
10	41190	1	#0	64QAM	21.18	19.83	PASS
10	41190	1	#Mid	64QAM	21.41	20.06	PASS
10	41190	1	#Max	64QAM	21.18	19.83	PASS
10	41190	25	#0	64QAM	20.32	18.97	PASS
10	41190	25	#Mid	64QAM	20.34	18.99	PASS
10	41190	25	#Max	64QAM	20.33	18.98	PASS
10	41190	50	#0	64QAM	20.30	18.95	PASS
15	40115	1	#0	64QAM	20.90	20.09	PASS
15	40115	1	#Mid	64QAM	21.28	20.47	PASS
15	40115	1	#Max	64QAM	21.27	20.46	PASS
15	40115	36	#0	64QAM	19.84	19.03	PASS
15	40115	36	#Mid	64QAM	19.84	19.03	PASS
15	40115	36	#Max	64QAM	20.07	19.26	PASS
15	40115	75	#0	64QAM	19.97	19.16	PASS
15	40640	1	#0	64QAM	20.95	20.64	PASS



15	40640	1	#Mid	64QAM	21.27	20.96	PASS
15	40640	1	#Max	64QAM	21.29	20.98	PASS
15	40640	36	#0	64QAM	20.07	19.76	PASS
15	40640	36	#Mid	64QAM	20.07	19.76	PASS
15	40640	36	#Max	64QAM	20.26	19.95	PASS
15	40640	75	#0	64QAM	20.21	19.90	PASS
15	41165	1	#0	64QAM	21.28	19.93	PASS
15	41165	1	#Mid	64QAM	21.39	20.04	PASS
15	41165	1	#Max	64QAM	21.22	19.87	PASS
15	41165	36	#0	64QAM	20.24	18.89	PASS
15	41165	36	#Mid	64QAM	20.28	18.93	PASS
15	41165	36	#Max	64QAM	20.30	18.95	PASS
15	41165	75	#0	64QAM	20.31	18.96	PASS
20	40140	1	#0	64QAM	20.66	19.98	PASS
20	40140	1	#Mid	64QAM	21.32	20.64	PASS
20	40140	1	#Max	64QAM	20.99	20.31	PASS
20	40140	50	#0	64QAM	19.79	19.11	PASS
20	40140	50	#Mid	64QAM	19.82	19.14	PASS
20	40140	50	#Max	64QAM	20.05	19.37	PASS
20	40140	100	#0	64QAM	19.93	19.25	PASS
20	40640	1	#0	64QAM	20.71	20.40	PASS
20	40640	1	#Mid	64QAM	21.31	21.00	PASS
20	40640	1	#Max	64QAM	21.08	20.77	PASS
20	40640	50	#0	64QAM	20.00	19.69	PASS
20	40640	50	#Mid	64QAM	20.00	19.69	PASS
20	40640	50	#Max	64QAM	20.24	19.93	PASS
20	40640	100	#0	64QAM	20.18	19.87	PASS
20	41140	1	#0	64QAM	20.80	19.45	PASS
20	41140	1	#Mid	64QAM	21.16	19.81	PASS
20	41140	1	#Max	64QAM	20.65	19.30	PASS
20	41140	50	#0	64QAM	20.29	18.94	PASS
20	41140	50	#Mid	64QAM	20.27	18.92	PASS
20	41140	50	#Max	64QAM	20.32	18.97	PASS
20	41140	100	#0	64QAM	20.29	18.94	PASS

6.2 Occupied Bandwidth

Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth(MHz)
WCDMA Band IV (RMC)	1312	1712.4	4.165	4.696
	1413	1732.6	4.164	4.684
	1513	1752.6	4.171	4.679

LTE Band 4						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	19957	1710.7	1.091	1.292
			20175	1732.5	1.110	1.259
			20393	1754.3	1.089	1.276
		3	19965	1711.5	2.686	2.900
			20175	1732.5	2.691	2.927
			20385	1753.5	2.704	2.939
		5	19975	1712.5	4.500	4.931
			20175	1732.5	4.502	4.896
			20375	1752.5	4.517	4.898
		10	20000	1715	8.976	9.653
			20175	1732.5	8.958	9.755
			20350	1750	8.994	9.695
		15	20025	1717.5	13.497	14.465
			20175	1732.5	13.448	14.579
			20325	1747.5	13.462	14.376
		20	20050	1720	17.962	19.251
			20175	1732.5	17.944	19.095
			20300	1745	17.980	19.404
	16QAM	1.4	19957	1710.7	1.092	1.274
			20175	1732.5	1.099	1.275
			20393	1754.3	1.096	1.301
		3	19965	1711.5	2.683	2.943
			20175	1732.5	2.690	2.911
			20385	1753.5	2.699	2.919
		5	19975	1712.5	4.500	4.886
			20175	1732.5	4.498	4.936
			20375	1752.5	4.493	4.868
		10	20000	1715	9.005	9.625



			20175	1732.5	8.974	9.765
			20350	1750	8.990	9.694
		15	20025	1717.5	13.456	14.496
			20175	1732.5	13.450	14.533
			20325	1747.5	13.438	14.595
			20050	1720	17.950	19.239
		20	20175	1732.5	17.960	19.396
			20300	1745	17.946	19.163
	64QAM	1.4	19957	1710.7	1.094	1.285
			20175	1732.5	1.097	1.299
			20393	1754.3	1.088	1.272
		3	19965	1711.5	2.698	2.926
			20175	1732.5	2.687	2.925
			20385	1753.5	2.684	2.906
		5	19975	1712.5	4.517	4.946
			20175	1732.5	4.508	4.887
			20375	1752.5	4.512	4.910
		10	20000	1715	8.989	9.692
			20175	1732.5	8.979	9.696
			20350	1750	8.978	9.639
		15	20025	1717.5	13.481	14.422
			20175	1732.5	13.452	14.460
			20325	1747.5	13.489	14.500
		20	20050	1720	17.948	19.172
			20175	1732.5	17.953	19.487
			20300	1745	17.953	19.319

LTE Band 7						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	20775	2502.5	4.522	4.915
			21100	2535	4.503	4.889
			21425	2567.5	4.510	4.879
		10	20800	2505	8.994	9.786
			21100	2535	8.979	9.720
			21400	2565	8.960	9.705
		15	20825	2507.5	13.506	14.420
			21100	2535	13.492	14.642
			21375	2562.5	13.474	14.676
		20	20850	2510	17.965	19.306



			21100	2535	18.013	19.214
			21350	2560	17.988	19.251
	16QAM	5	20775	2502.5	4.527	4.881
			21100	2535	4.521	4.940
			21425	2567.5	4.495	4.860
		10	20800	2505	8.979	9.662
			21100	2535	8.975	9.670
			21400	2565	9.001	9.759
		15	20825	2507.5	13.468	14.466
			21100	2535	13.441	14.486
			21375	2562.5	13.463	14.465
		20	20850	2510	18.001	19.290
			21100	2535	17.984	19.497
			21350	2560	17.981	19.206
	64QAM	5	20775	2502.5	4.526	4.933
			21100	2535	4.500	4.921
			21425	2567.5	4.514	4.882
		10	20800	2505	9.004	10.113
			21100	2535	8.998	9.717
			21400	2565	8.979	9.669
		15	20825	2507.5	13.507	14.500
			21100	2535	13.467	18.722
			21375	2562.5	13.426	14.551
		20	20850	2510	18.035	21.116
			21100	2535	17.940	20.481
			21350	2560	17.924	19.116

LTE Band 17						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	23755	706.5	4.516	5.172
			23790	710	4.531	5.127
			23825	713.5	4.535	5.120
		10	23780	709	8.983	9.965
			23790	710	8.950	9.914
			23800	711	8.955	9.864
	16QAM	5	23755	706.5	4.534	5.129
			23790	710	4.507	5.084
			23825	713.5	4.523	5.191
		10	23780	709	8.974	9.878



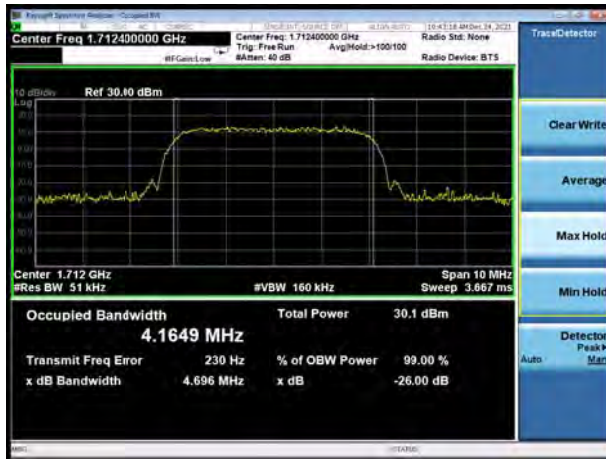
			23790	710	8.979	9.864
			23800	711	8.997	9.965
	64QAM	5	23755	706.5	4.517	5.085
			23790	710	4.521	5.058
			23825	713.5	4.536	5.133
		10	23780	709	8.956	9.610
			23790	710	8.959	9.849
			23800	711	8.977	10.003



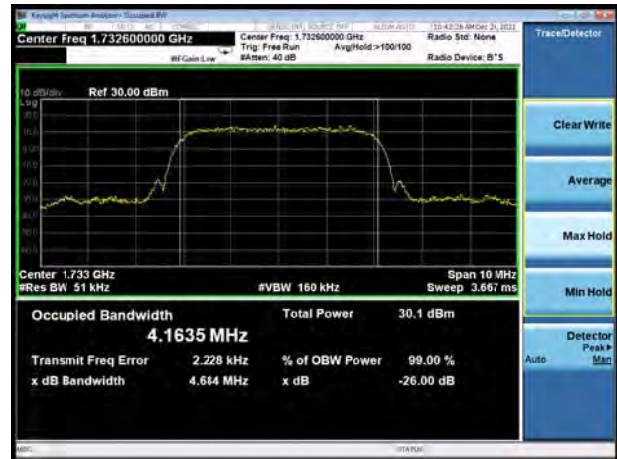
LTE Band 41						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	40065	2537.5	4.503	4.875
			40640	2595	4.519	4.830
			41215	2652.5	4.499	4.913
		10	40090	2540	9.000	9.700
			40640	2595	8.964	9.549
			41190	2650	8.964	9.592
		15	40115	2542.5	13.502	14.474
			40640	2595	13.469	14.681
			41165	2647.5	13.457	14.378
		20	40140	2545	17.933	19.106
			40640	2595	17.926	19.037
			41140	2645	17.942	19.814
	16QAM	5	40065	2537.5	4.508	5.149
			40640	2595	4.500	5.098
			41215	2652.5	4.486	4.853
		10	40090	2540	8.982	9.594
			40640	2595	8.971	9.664
			41190	2650	8.988	9.648
		15	40115	2542.5	13.454	15.849
			40640	2595	13.494	14.529
			41165	2647.5	13.481	14.649
		20	40140	2545	18.015	19.314
			40640	2595	17.936	19.172
			41140	2645	17.971	19.199
	64QAM	5	40065	2537.5	4.503	5.163
			40640	2595	4.485	5.013
			41215	2652.5	4.501	4.880
		10	40090	2540	8.981	9.711
			40640	2595	9.005	9.743
			41190	2650	8.985	10.157
		15	40115	2542.5	13.491	14.592
			40640	2595	13.469	14.360
			41165	2647.5	13.493	14.833
		20	40140	2545	17.926	19.061
			40640	2595	17.943	20.063
			41140	2645	17.961	19.196



WCDMA Band IV CH-Low



WCDMA Band IV CH Middle

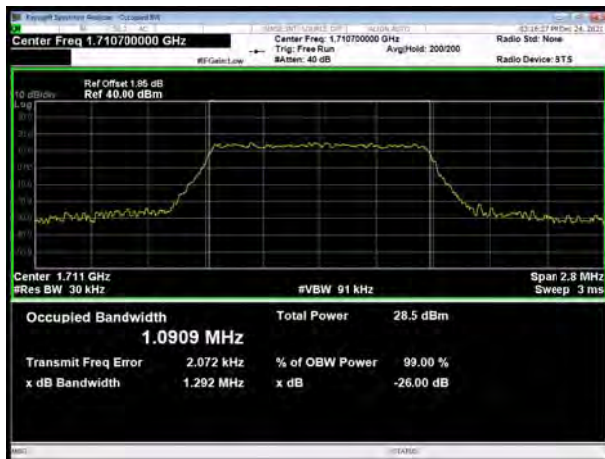


WCDMA Band IV CH High

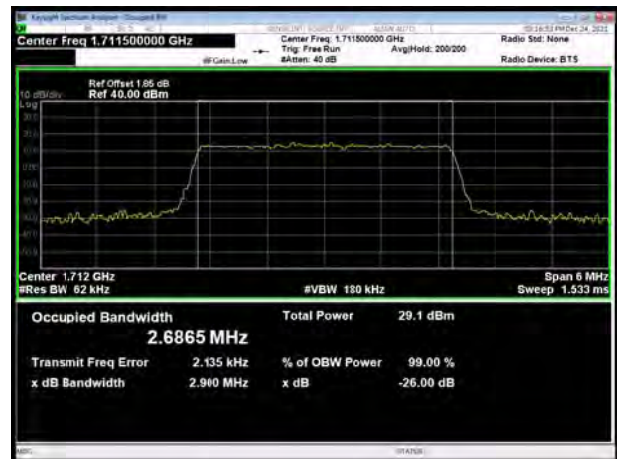




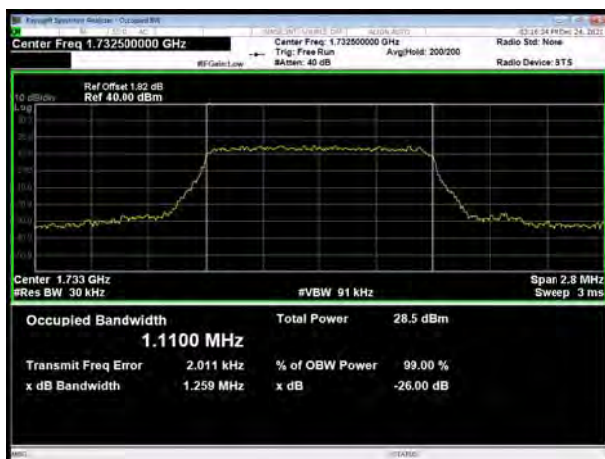
LTE Band 4 QPSK 1.4MHz CH-Low



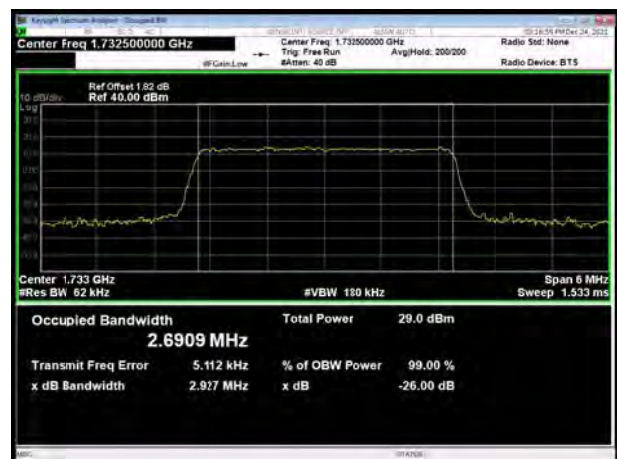
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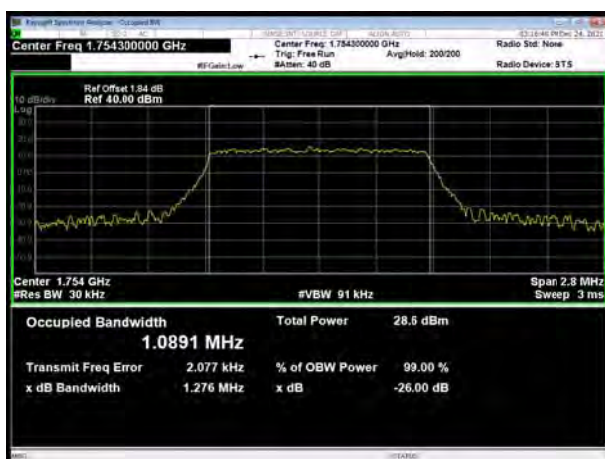
LTE Band 4 QPSK 1.4MHz CH-Middle



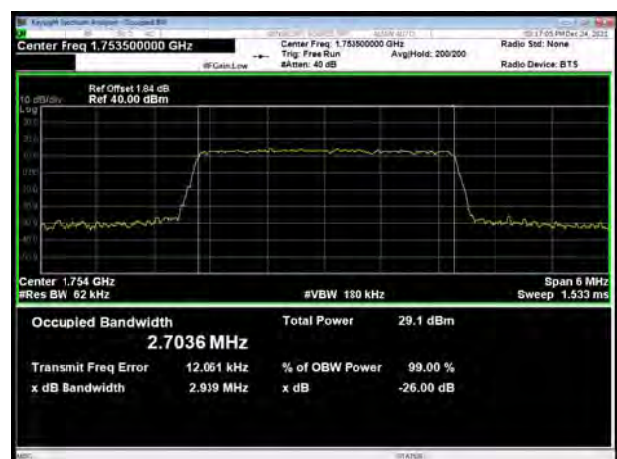
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LTE Band 4 QPSK 1.4MHz CH-High

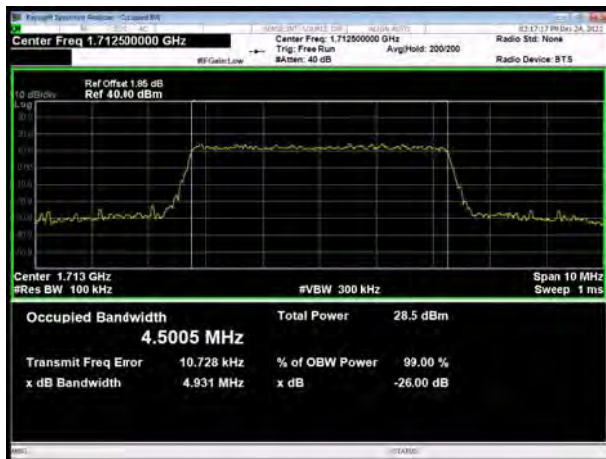


LTE Band 4 QPSK 3MHz CH-High

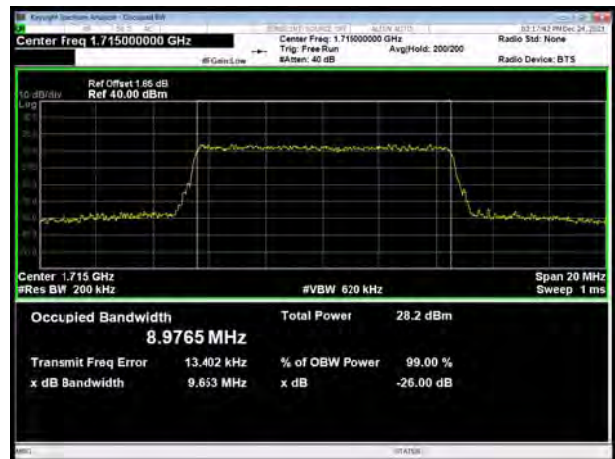




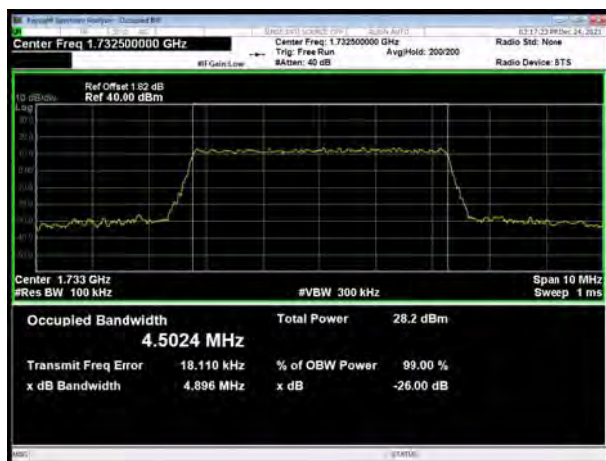
LTE Band 4 QPSK 5MHz CH-Low



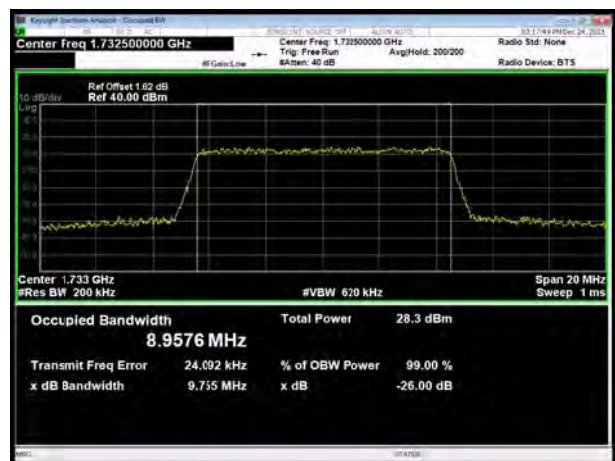
LTE Band 4 QPSK 10MHz CH-Low



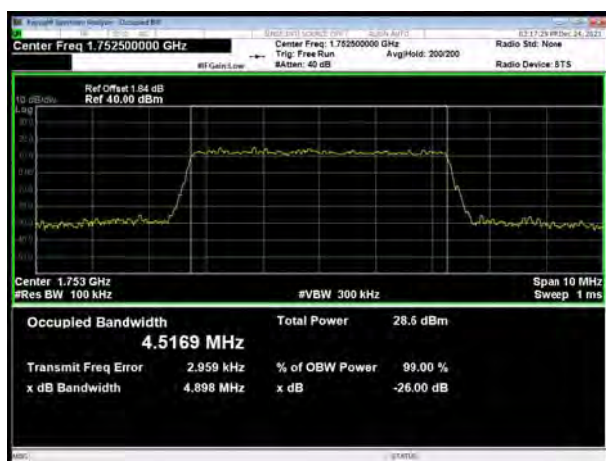
LTE Band 4 QPSK 5MHz CH-Middle



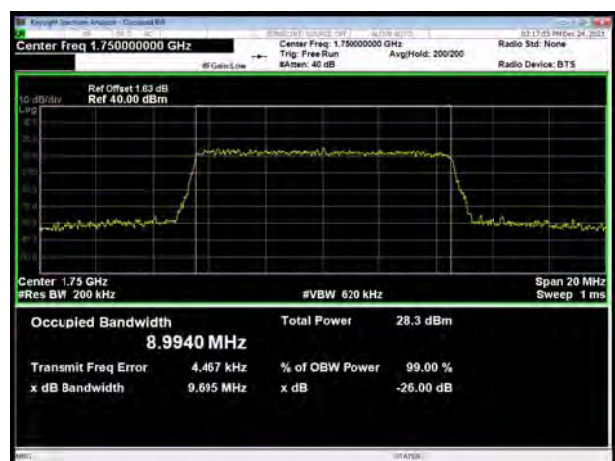
LTE Band 4 QPSK 10MHz CH-Middle



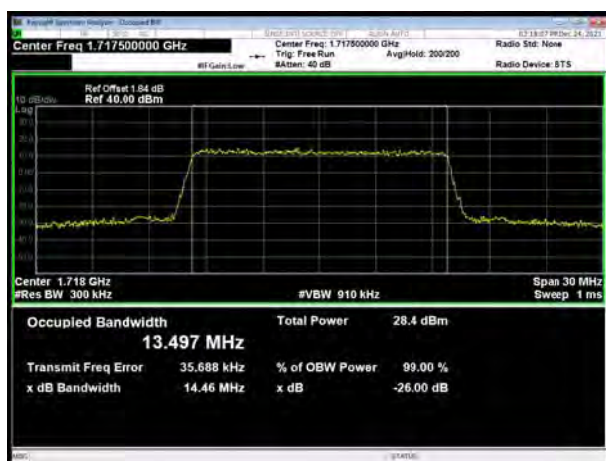
LTE Band 4 QPSK 5MHz CH-High



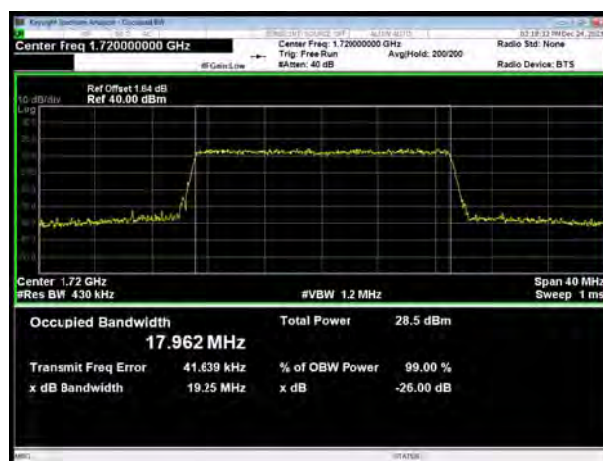
LTE Band 4 QPSK 10MHz CH-High



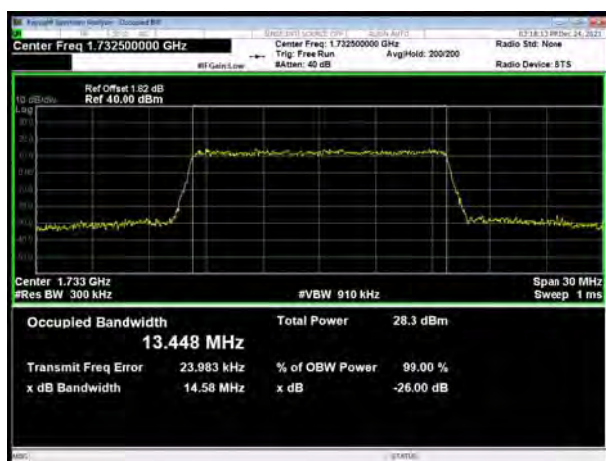
LTE Band 4 QPSK 15MHz CH-Low



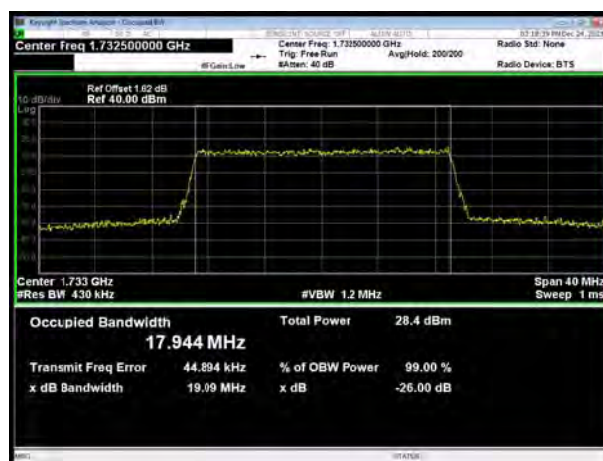
LTE Band 4 QPSK 20MHz CH-Low



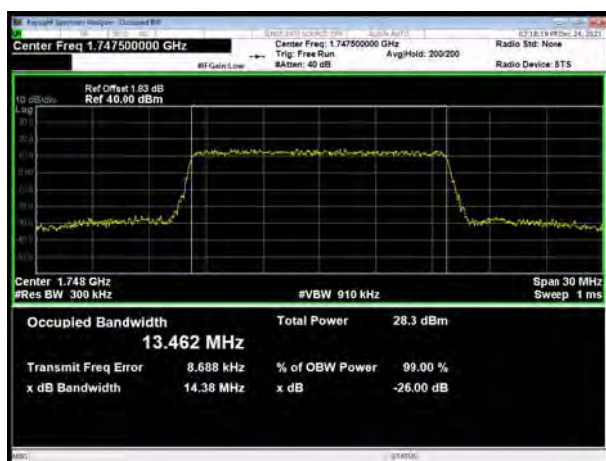
LTE Band 4 QPSK 15MHz CH-Middle



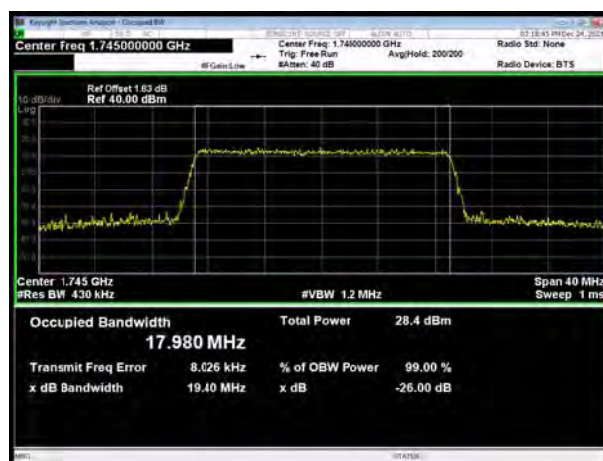
LTE Band 4 QPSK 20MHz CH-Middle



LTE Band 4 QPSK 15MHz CH-High

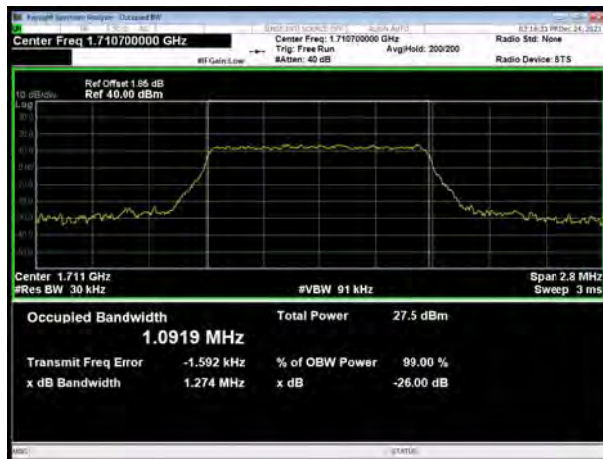


LTE Band 4 QPSK 20MHz CH-High

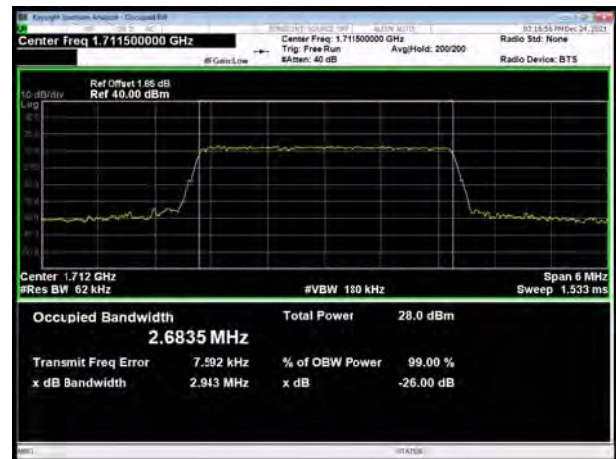




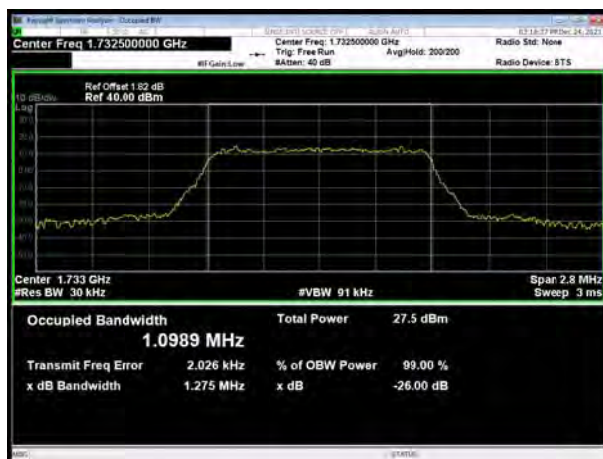
LTE Band 4 16QAM 1.4MHz CH-Low



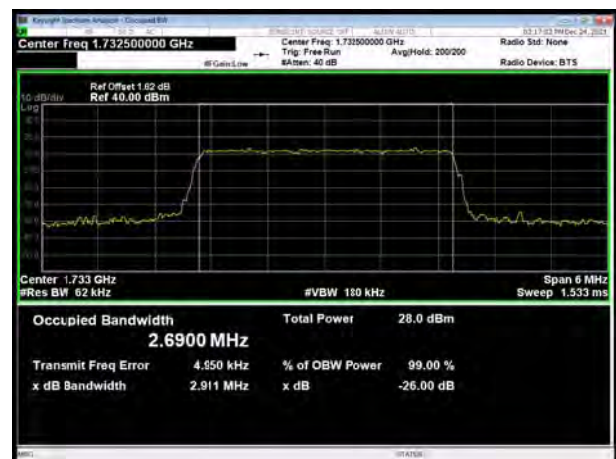
LTE Band 4 16QAM 3MHz CH-Low



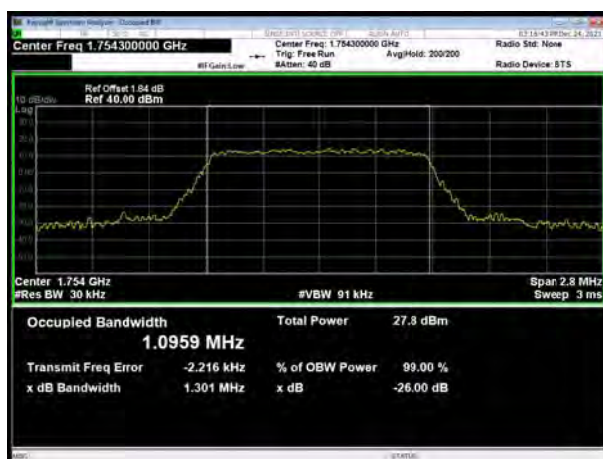
LTE Band 4 16QAM 1.4MHz CH-Middle



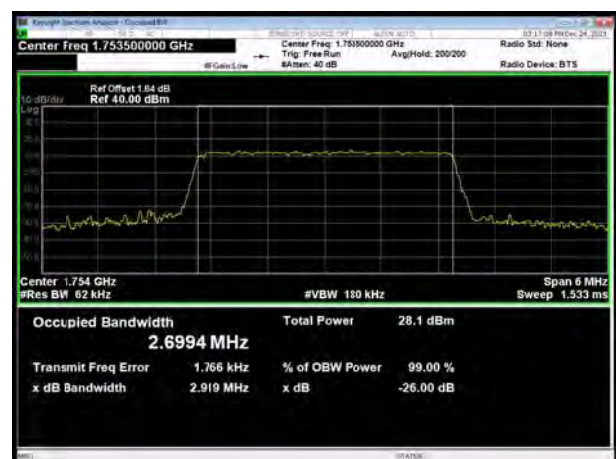
LTE Band 4 16QAM 3MHz CH-Middle



LTE Band 4 16QAM 1.4MHz CH-High

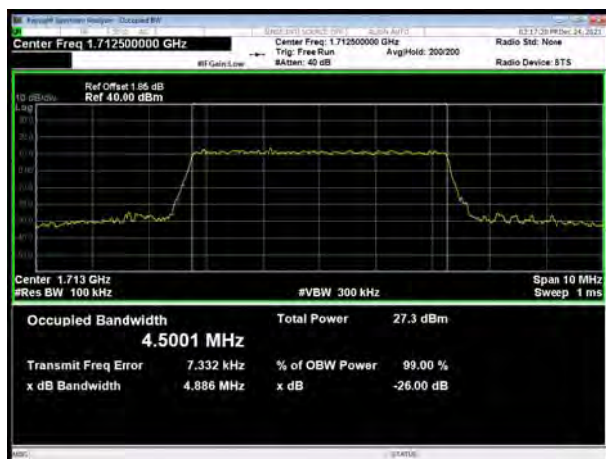


LTE Band 4 16QAM 3MHz CH-High

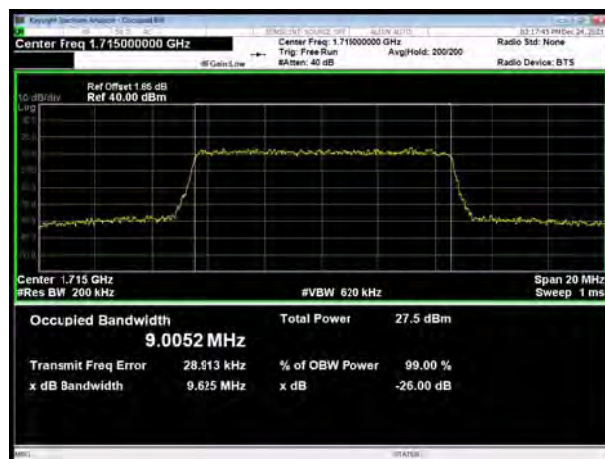




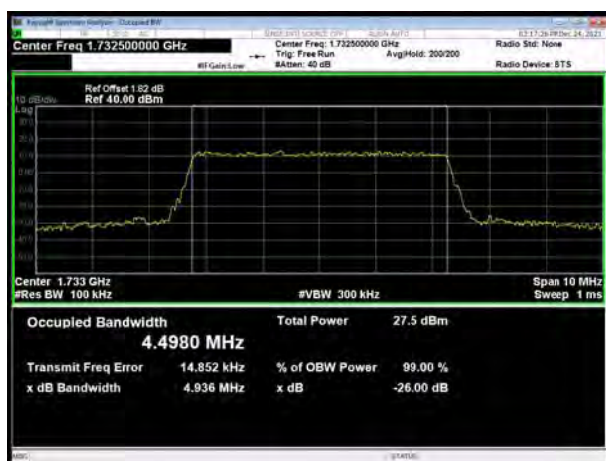
LTE Band 4 16QAM 5MHz CH-Low



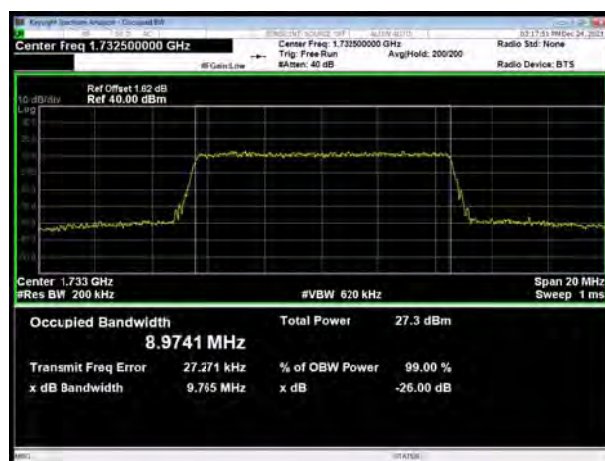
LTE Band 4 16QAM 10MHz CH-Low



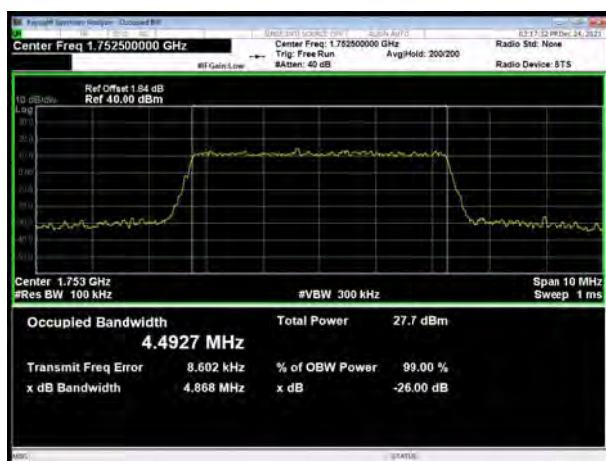
LTE Band 4 16QAM 5MHz CH-Middle



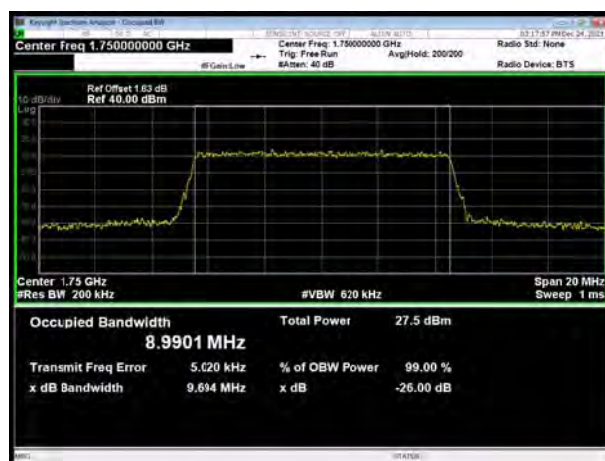
LTE Band 4 16QAM 10MHz CH-Middle



LTE Band 4 16QAM 5MHz CH-High

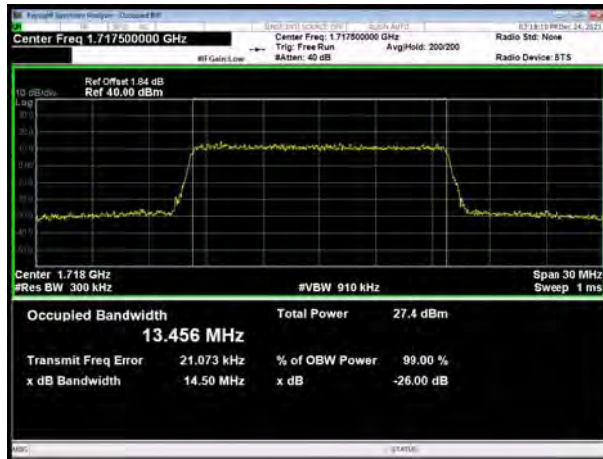


LTE Band 4 16QAM 10MHz CH-High

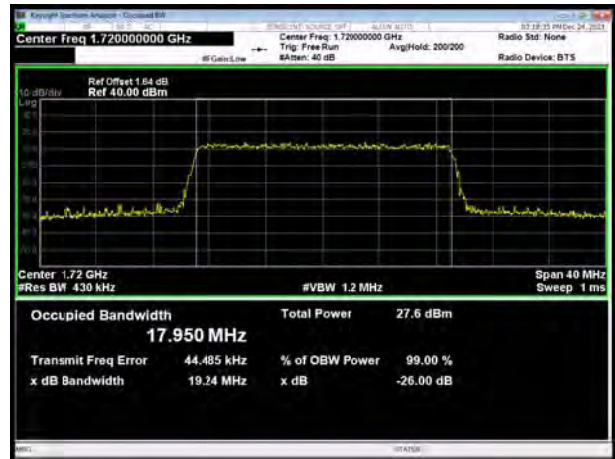




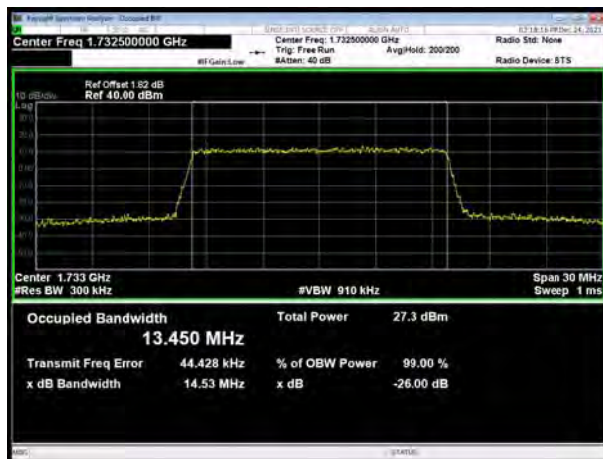
LTE Band 4 16QAM 15MHz CH-Low



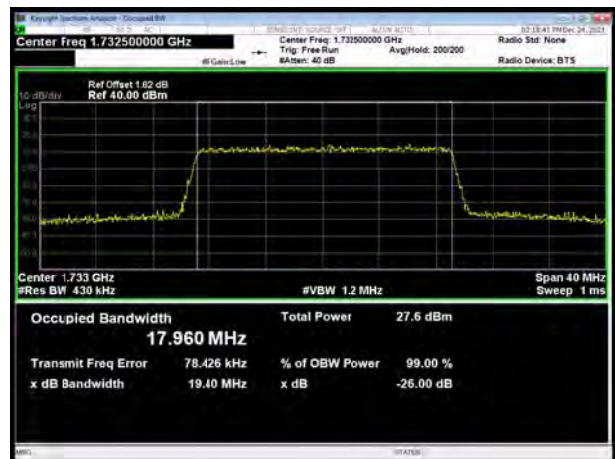
LTE Band 4 16QAM 20MHz CH-Low



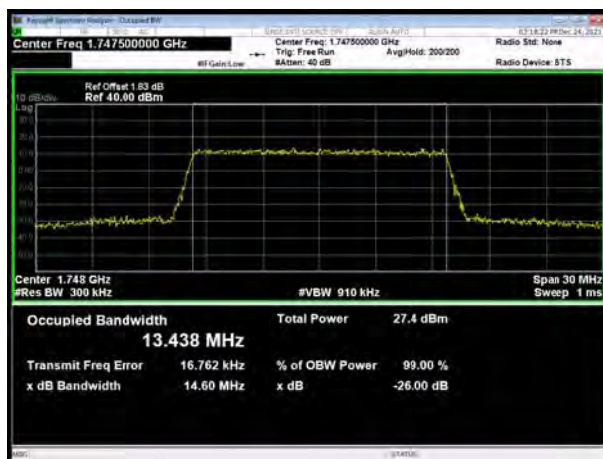
LTE Band 4 16QAM 15MHz CH-Middle



LTE Band 4 16QAM 20MHz CH-Middle



LTE Band 4 16QAM 15MHz CH-High

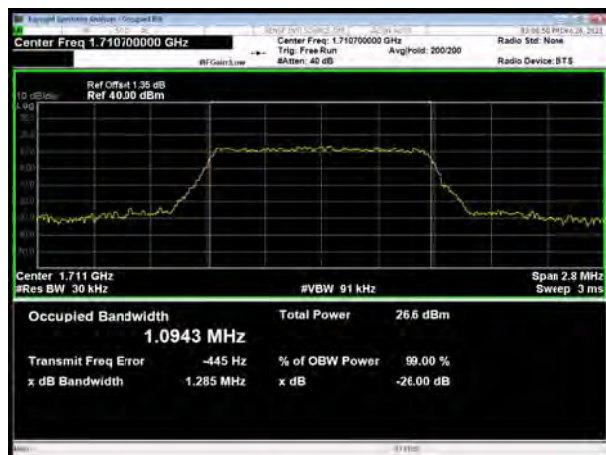


LTE Band 4 16QAM 20MHz CH-High

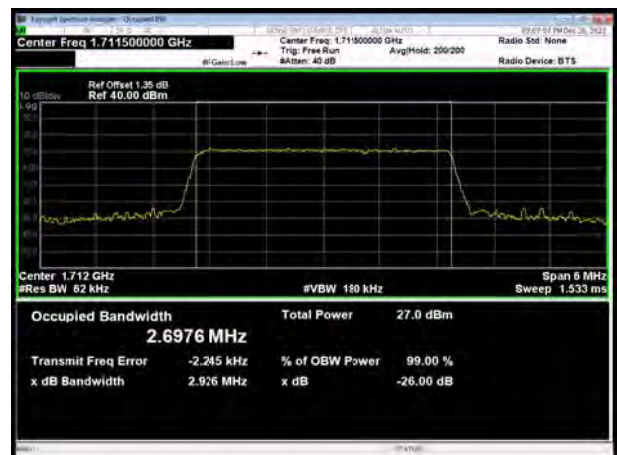




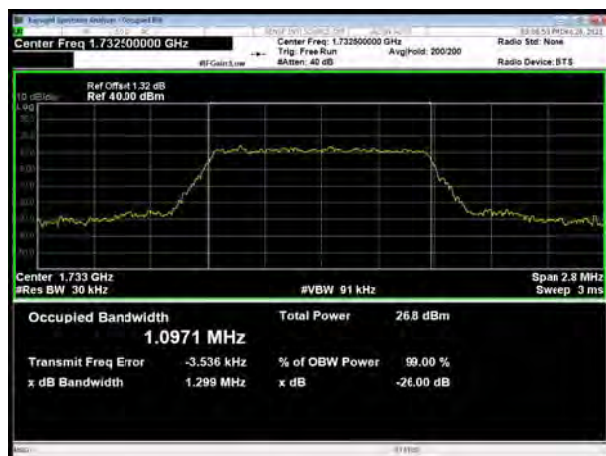
LTE Band 4 1.4MHz 64QAM CH-Low



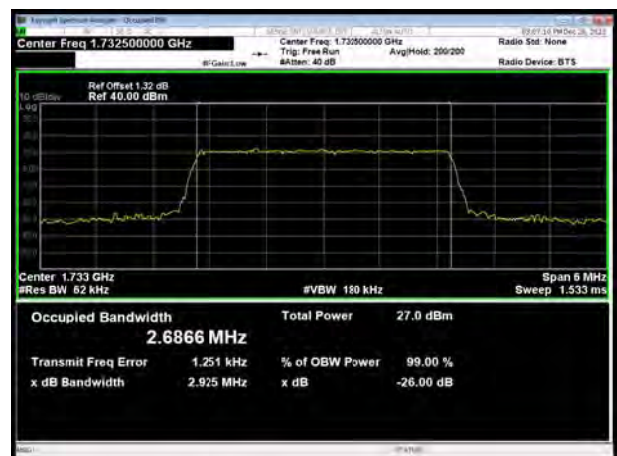
LTE Band 4 3MHz 64QAM CH-Low



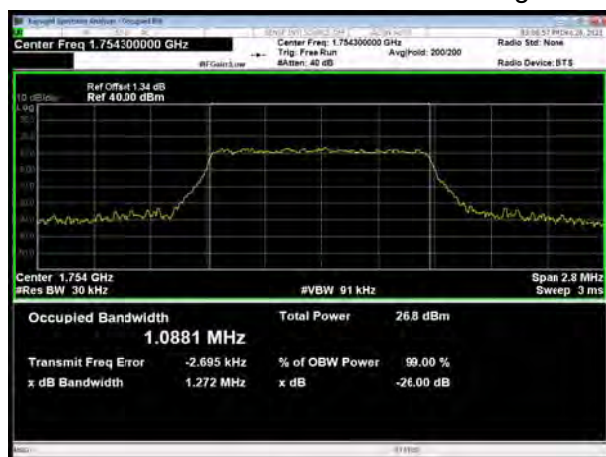
LTE Band 4 1.4MHz 64QAM CH-Middle



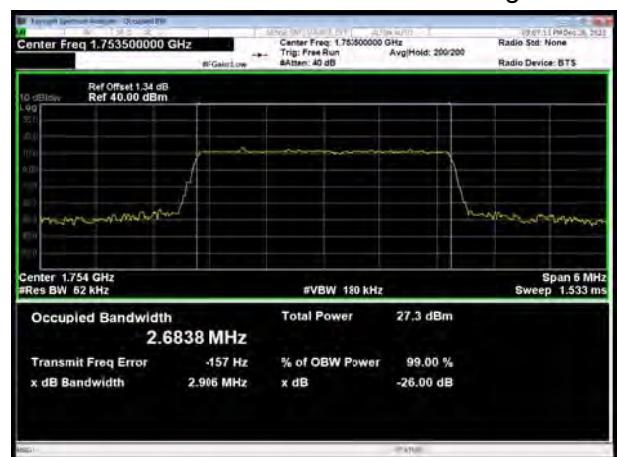
LTE Band 4 3MHz 64QAM CH-Middle



LTE Band 4 1.4MHz 64QAM CH-High

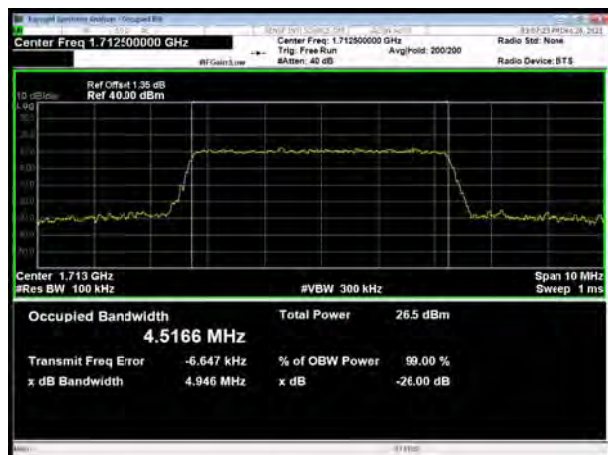


LTE Band 4 3MHz 64QAM CH-High

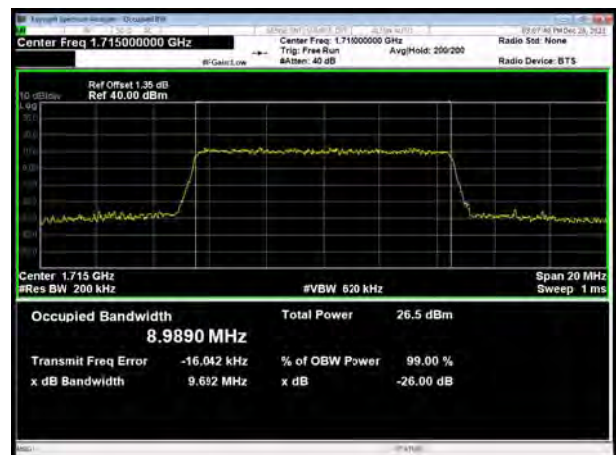




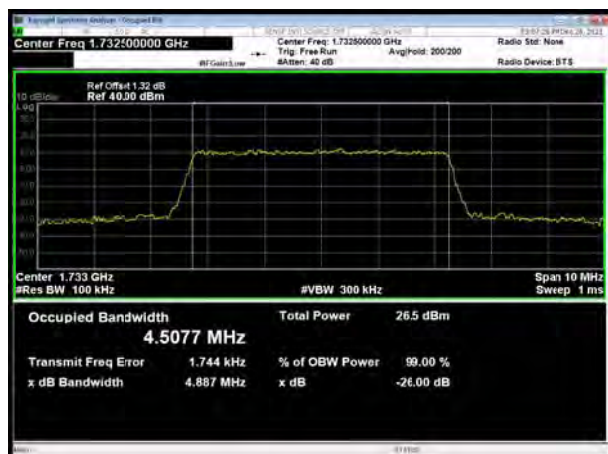
LTE Band 4 5MHz 64QAM CH-Low



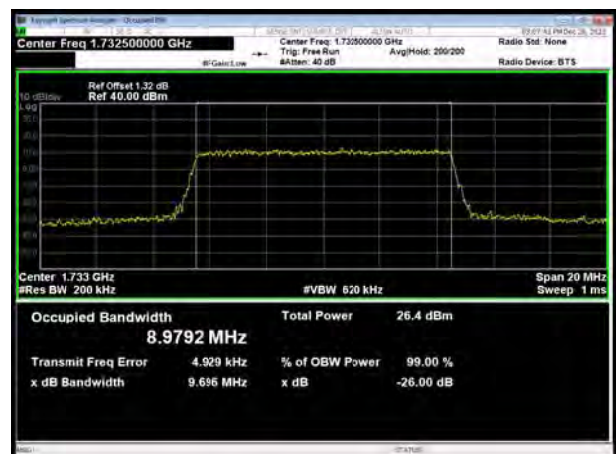
LTE Band 4 10MHz 64QAM CH-Low



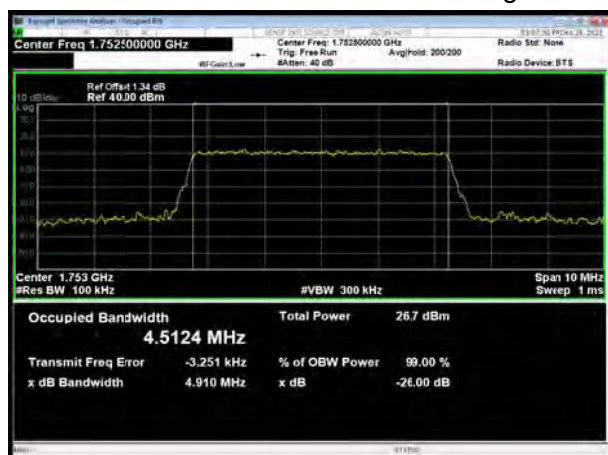
LTE Band 4 5MHz 64QAM CH-Middle



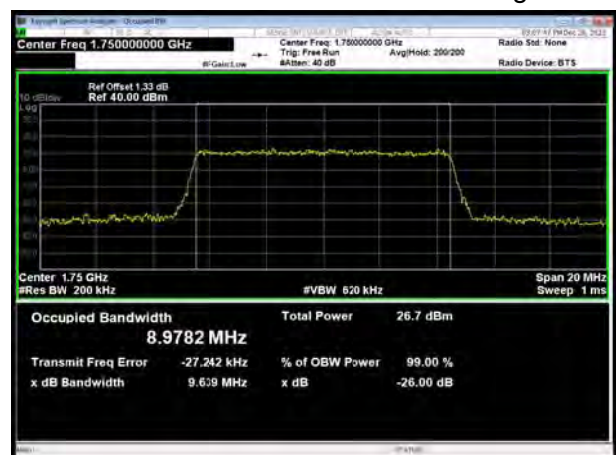
LTE Band 4 10MHz 64QAM CH-Middle



LTE Band 4 5MHz 64QAM CH-High

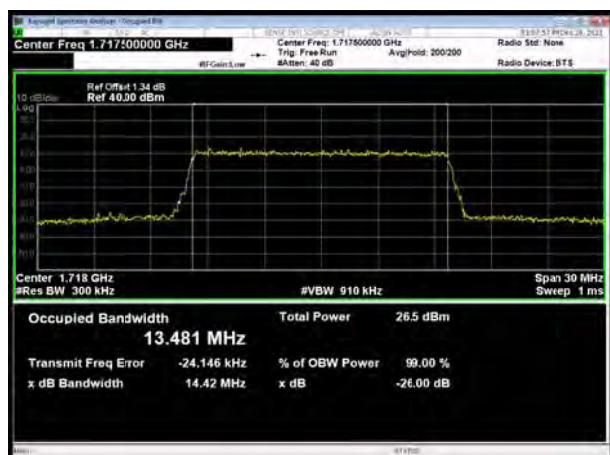


LTE Band 4 10MHz 64QAM CH-High

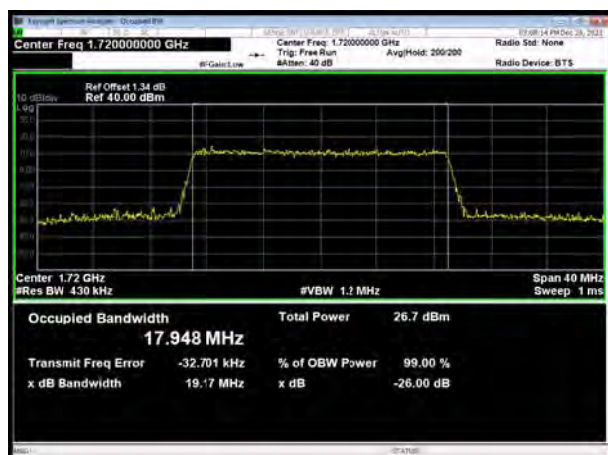




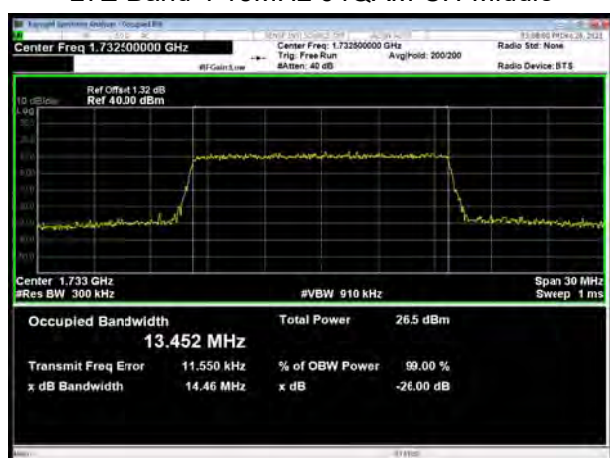
LTE Band 4 15MHz 64QAM CH-Low



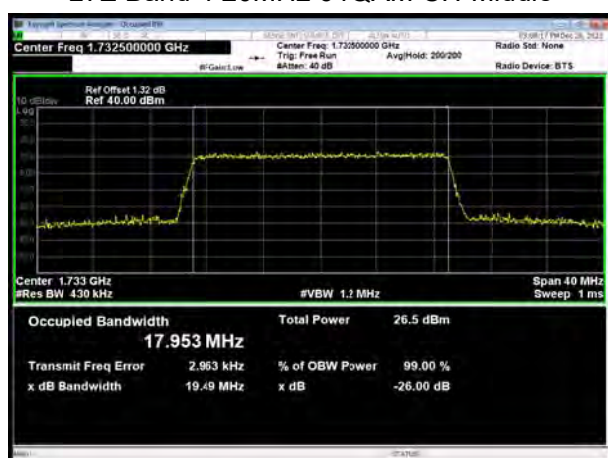
LTE Band 4 20MHz 64QAM CH-Low



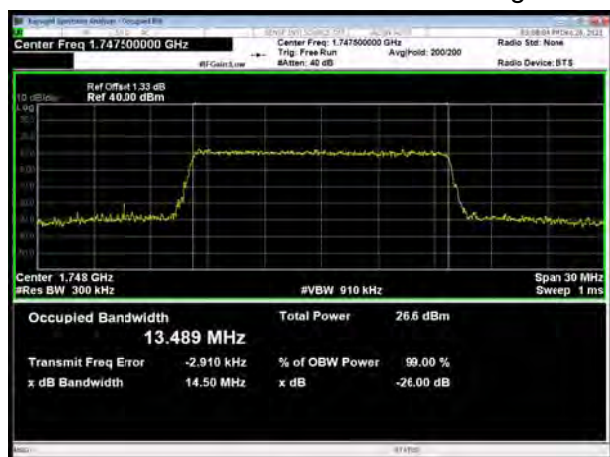
LTE Band 4 15MHz 64QAM CH-Middle



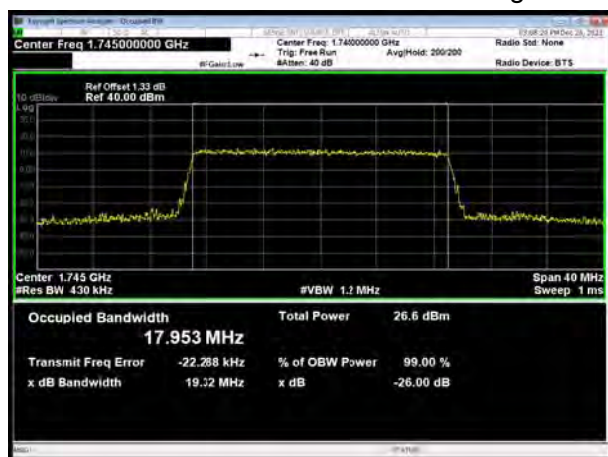
LTE Band 4 20MHz 64QAM CH-Middle



LTE Band 4 15MHz 64QAM CH-High

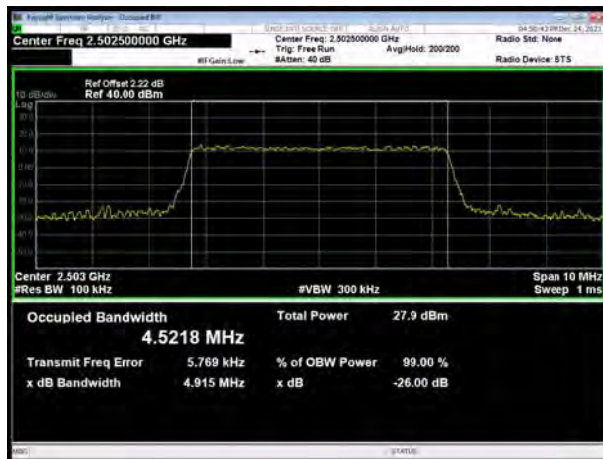


LTE Band 4 20MHz 64QAM CH-High





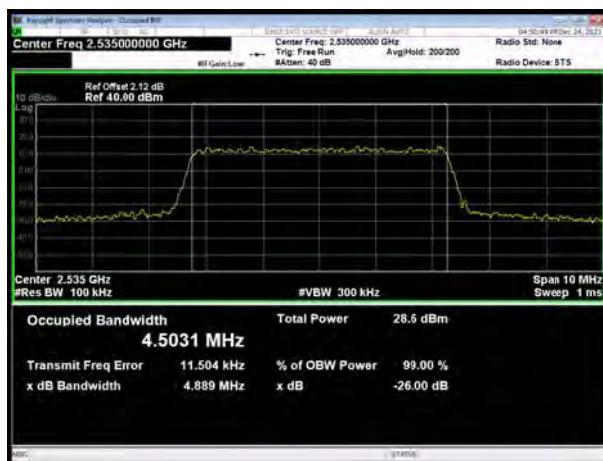
LTE Band 7 QPSK 5MHz CH-Low



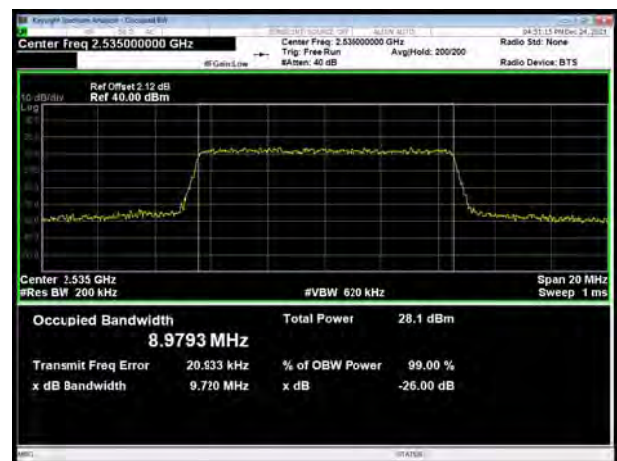
LTE Band 7 QPSK 10MHz CH-Low



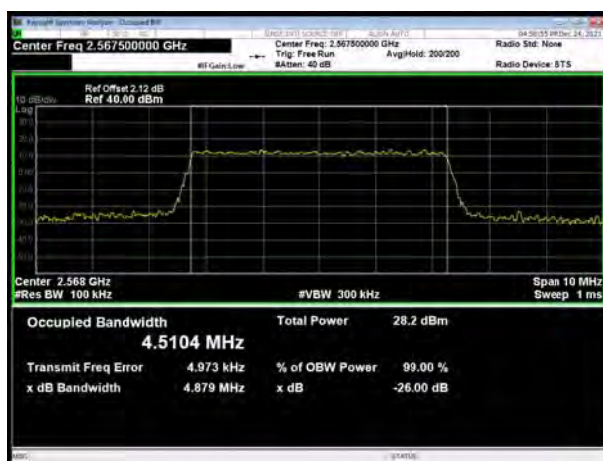
LTE Band 7 QPSK 5MHz CH-Middle



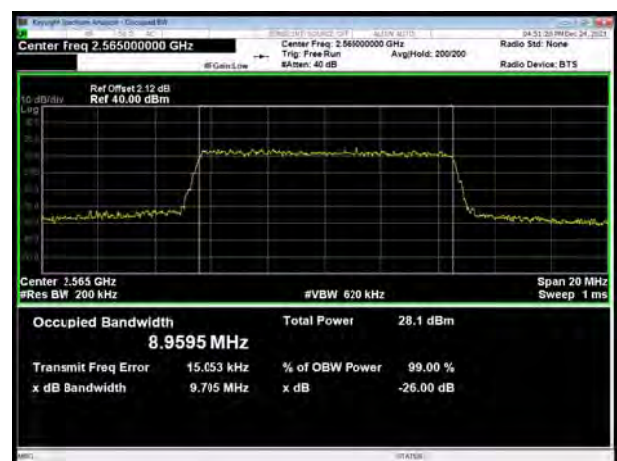
LTE Band 7 QPSK 10MHz CH-Middle



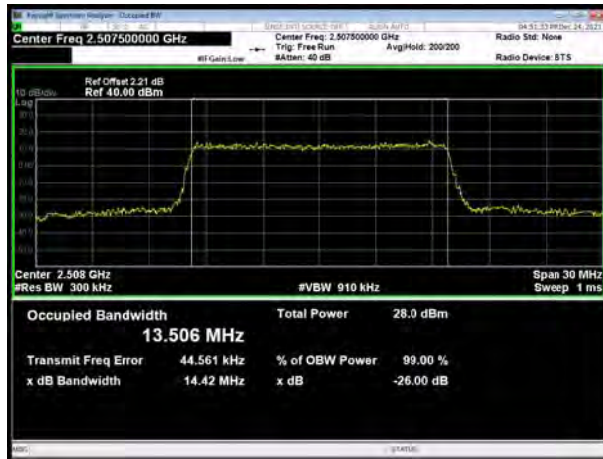
LTE Band 7 QPSK 5MHz CH-High



LTE Band 7 QPSK 10MHz CH-High



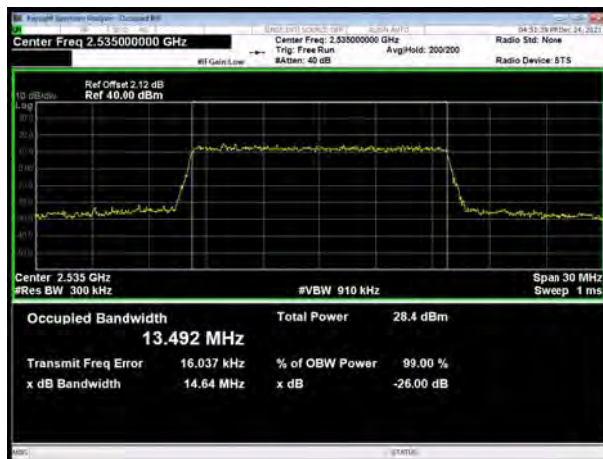
LTE Band 7 QPSK 15MHz CH-Low



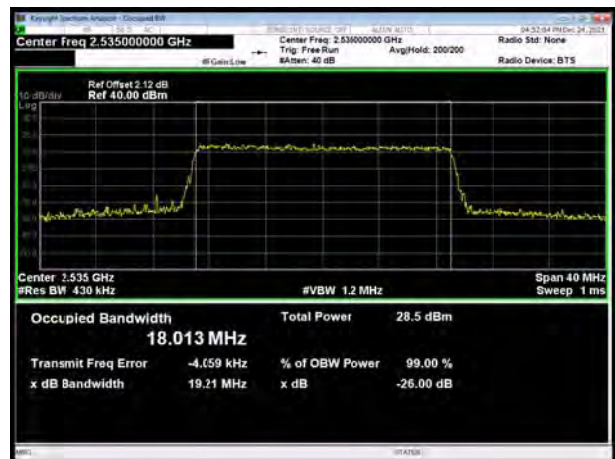
LTE Band 7 QPSK 20MHz CH-Low



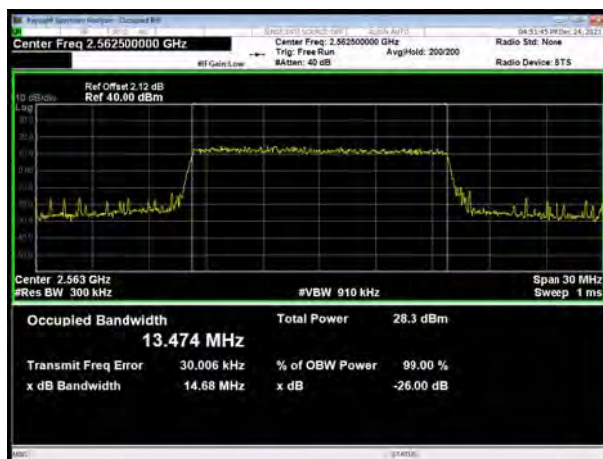
LTE Band 7 QPSK 15MHz CH-Middle



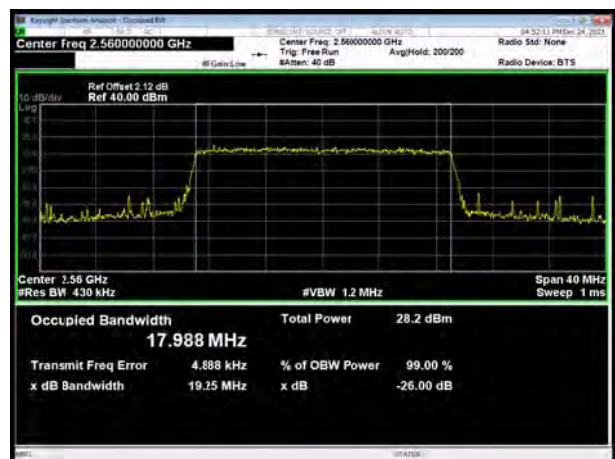
LTE Band 7 QPSK 20MHz CH-Middle



LTE Band 7 QPSK 15MHz CH-High

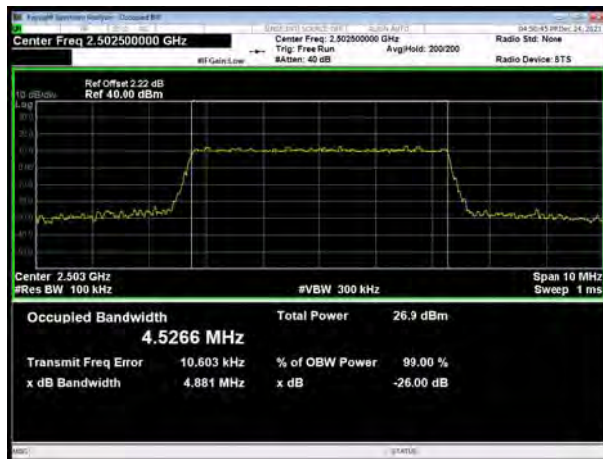


LTE Band 7 QPSK 20MHz CH-High

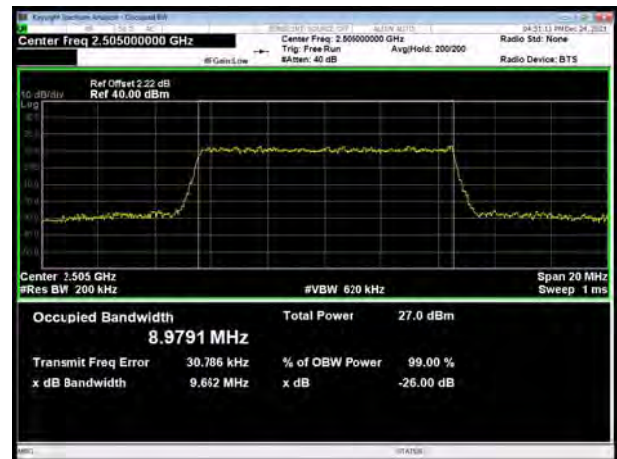




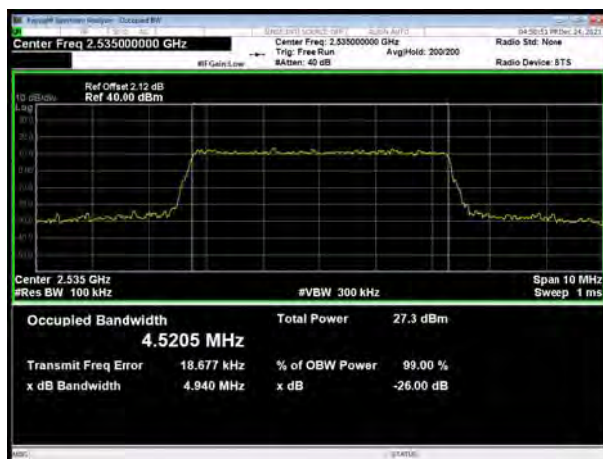
LTE Band 7 16QAM 5MHz CH-Low



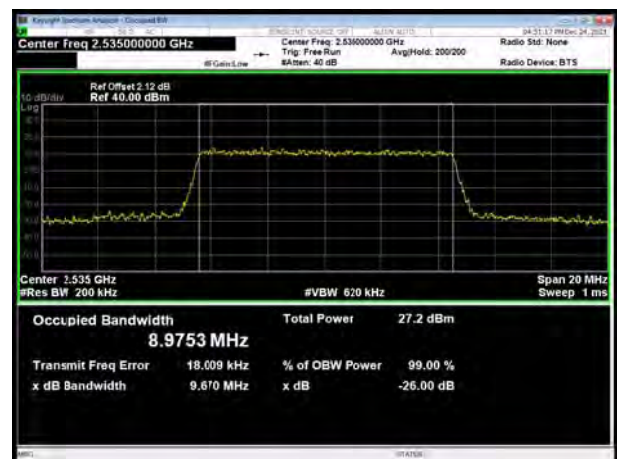
LTE Band 7 16QAM 10MHz CH-Low



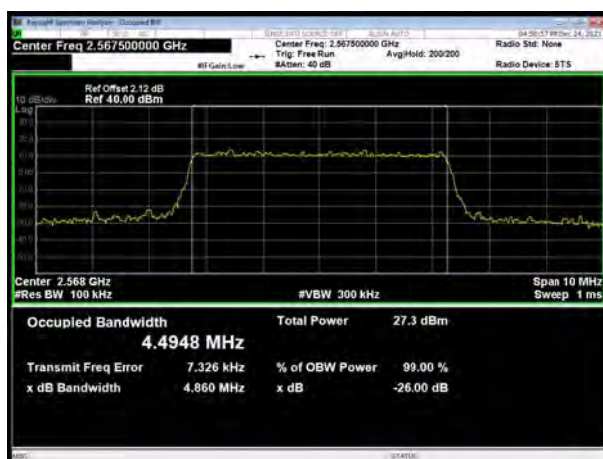
LTE Band 7 16QAM 5MHz CH-Middle



LTE Band 7 16QAM 10MHz CH-Middle



LTE Band 7 16QAM 5MHz CH-High

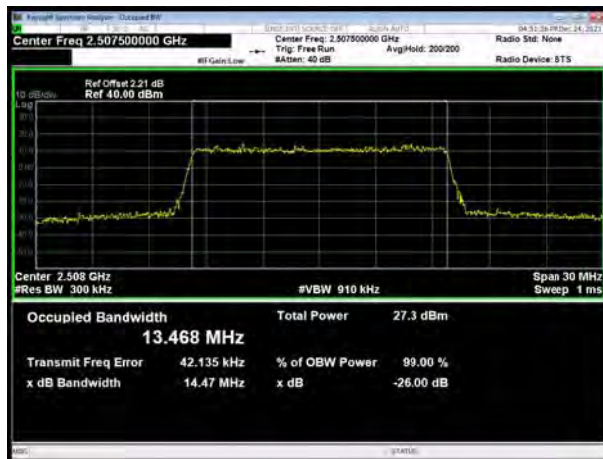


LTE Band 7 16QAM 10MHz CH-High





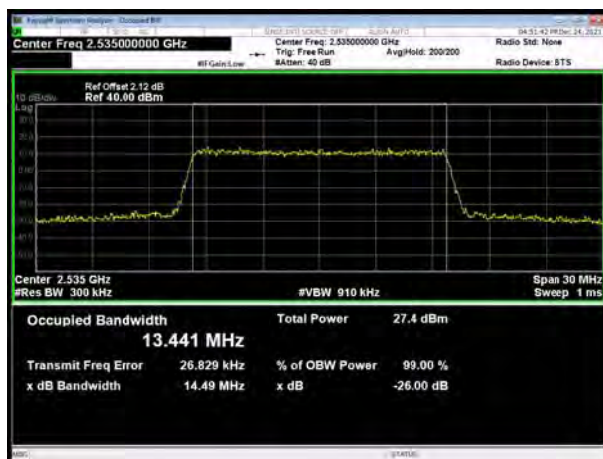
LTE Band 7 16QAM 15MHz CH-Low



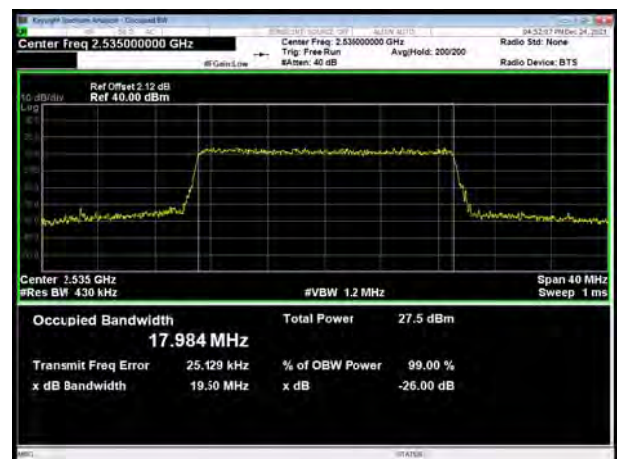
LTE Band 7 16QAM 20MHz CH-Low



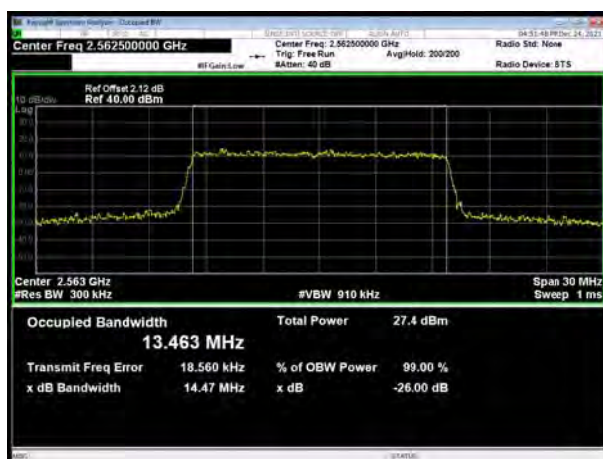
LTE Band 7 16QAM 15MHz CH-Middle



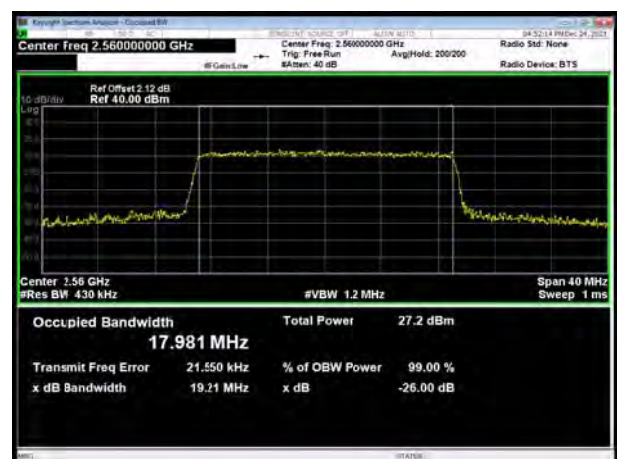
LTE Band 7 16QAM 20MHz CH-Middle



LTE Band 7 16QAM 15MHz CH-High

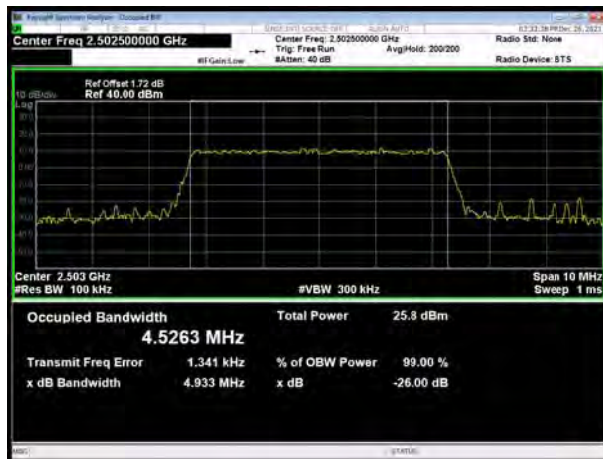


LTE Band 7 16QAM 20MHz CH-High

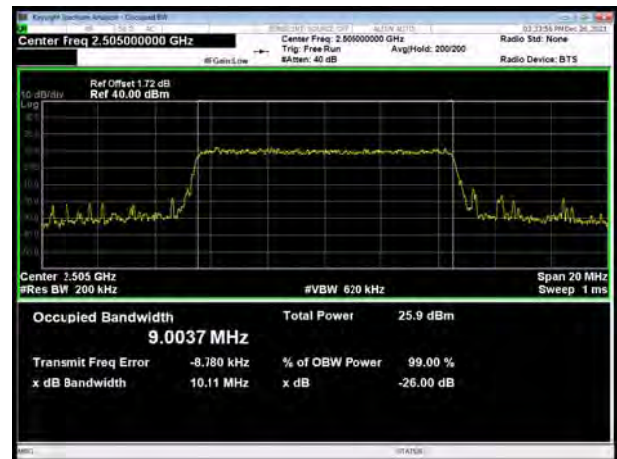




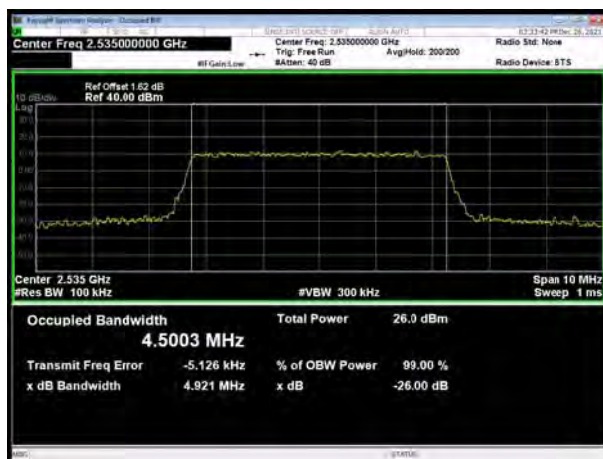
LTE Band 7 64QAM 5MHz CH-Low



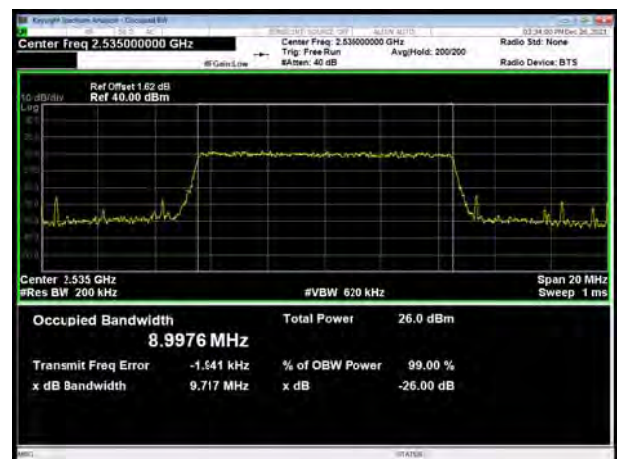
LTE Band 7 64QAM 10MHz CH-Low



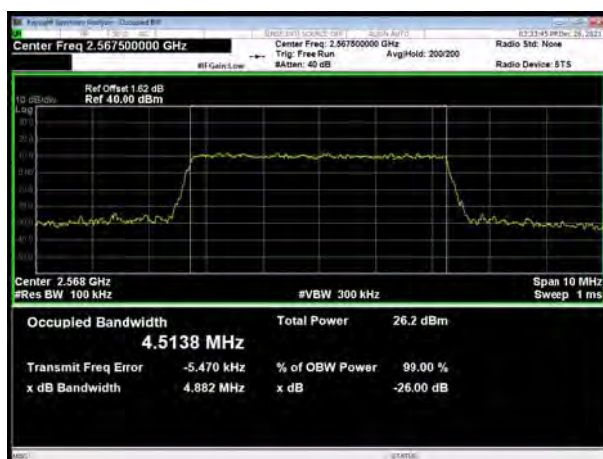
LTE Band 7 64QAM 5MHz CH-Middle



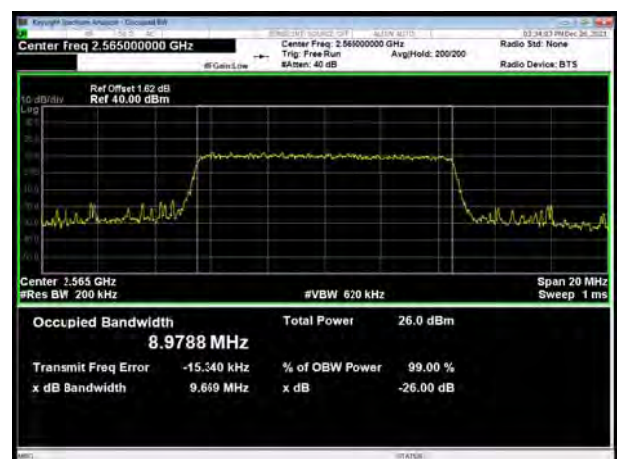
LTE Band 7 64QAM 10MHz CH-Middle



LTE Band 7 64QAM 5MHz CH-High

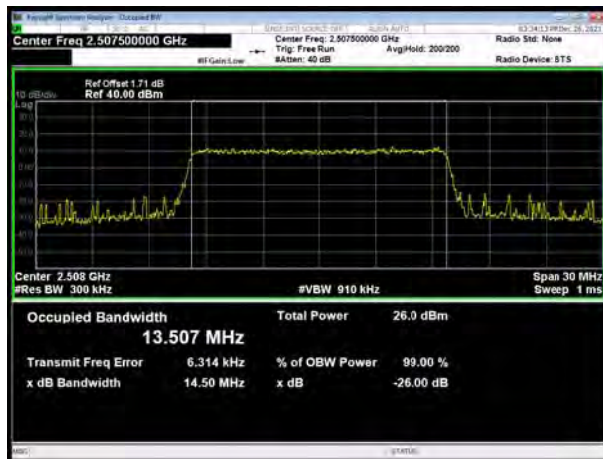


LTE Band 7 64QAM 10MHz CH-High

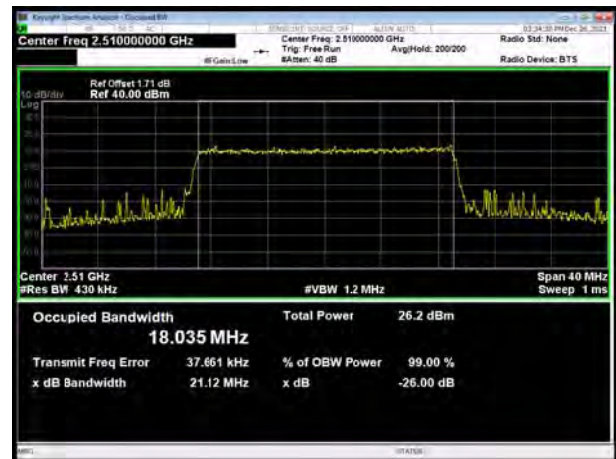




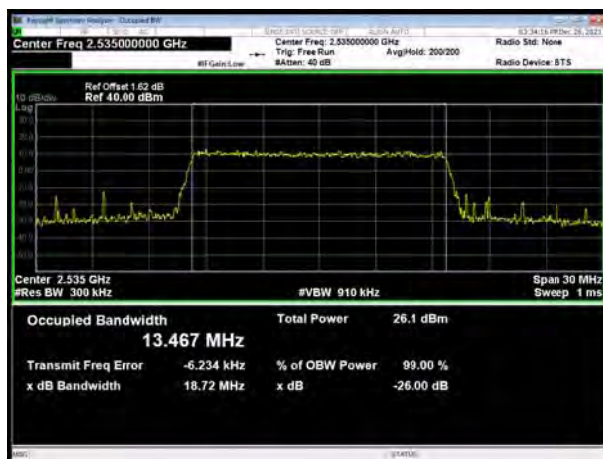
LTE Band 7 64QAM 15MHz CH-Low



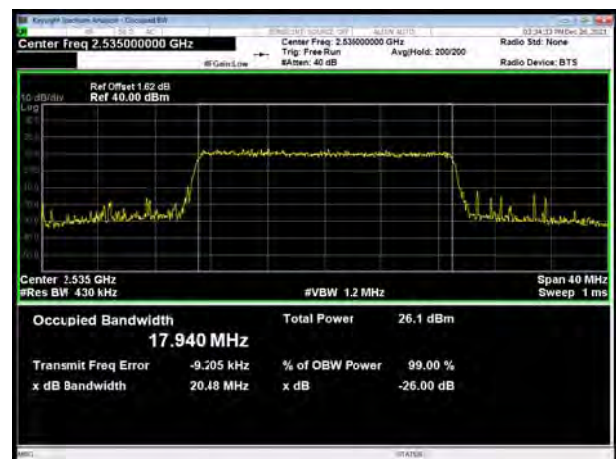
LTE Band 7 64QAM 20MHz CH-Low



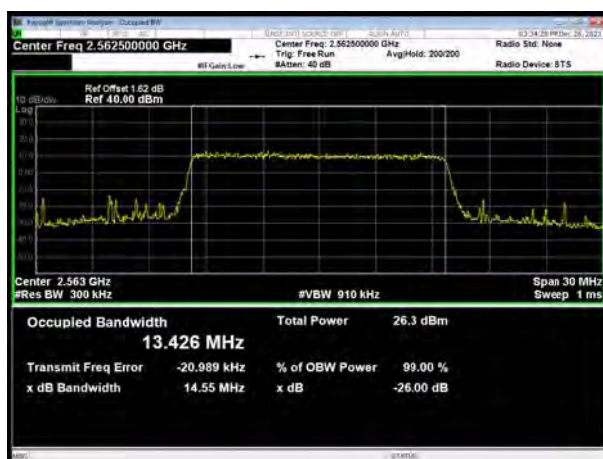
LTE Band 7 64QAM 15MHz CH-Middle



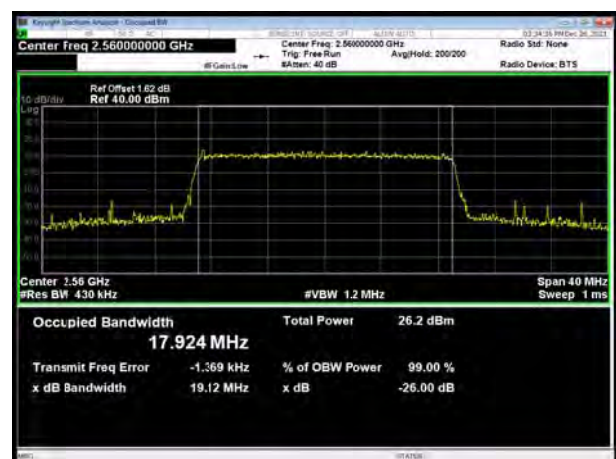
LTE Band 7 64QAM 20MHz CH-Middle



LTE Band 7 64QAM 15MHz CH-High

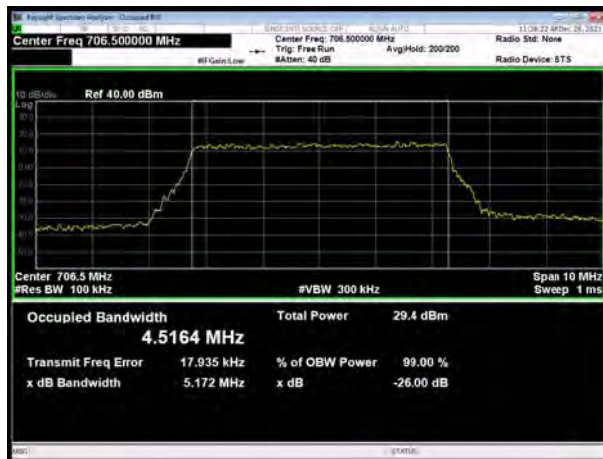


LTE Band 7 64QAM 20MHz CH-High





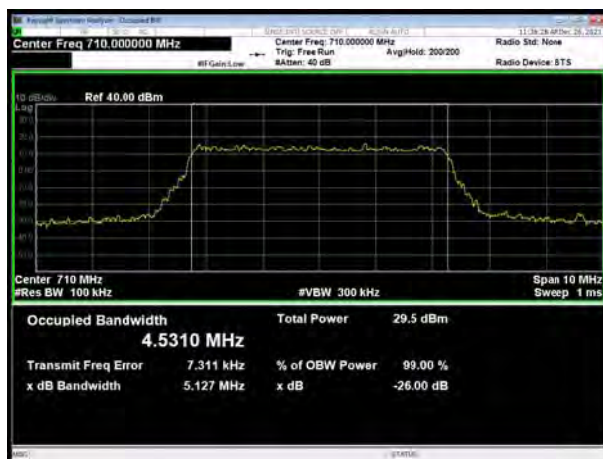
LTE Band 17 QPSK 5MHz CH-Low



LTE Band 17 QPSK 10MHz CH-Low



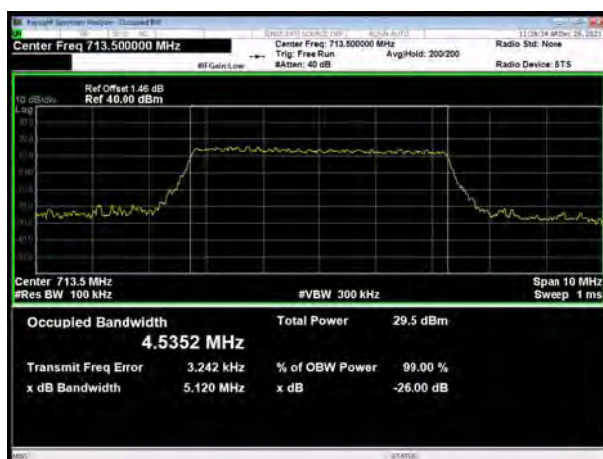
LTE Band 17 QPSK 5MHz CH-Middle



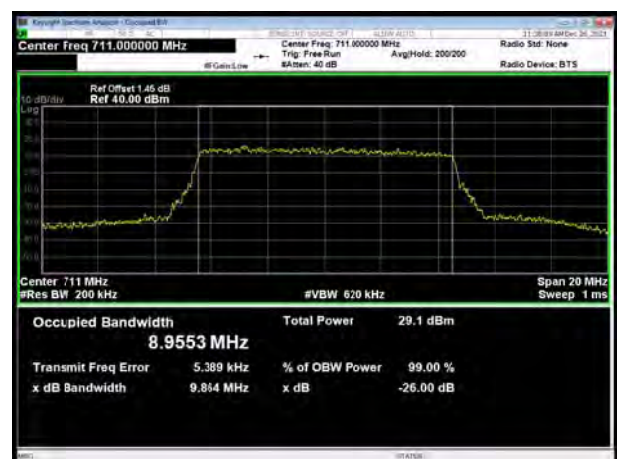
LTE Band 17 QPSK 10MHz CH-Middle



LTE Band 17 QPSK 5MHz CH-High

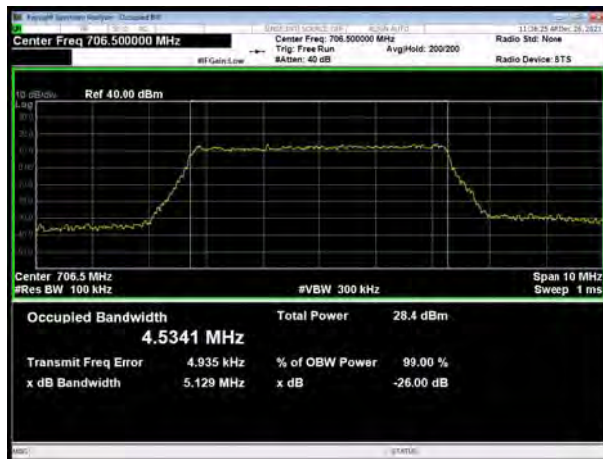


LTE Band 17 QPSK 10MHz CH-High





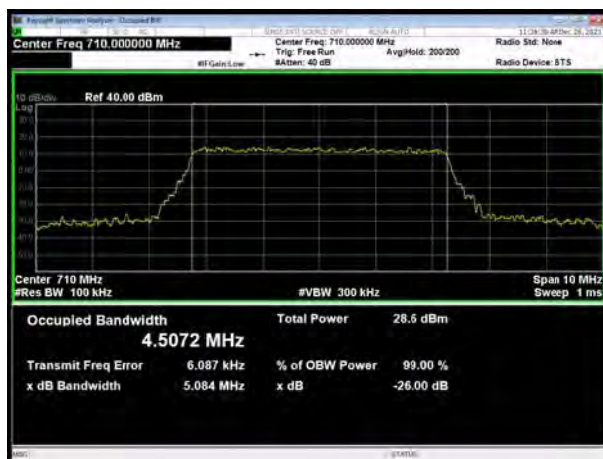
LTE Band 17 16QAM 5MHz CH-Low



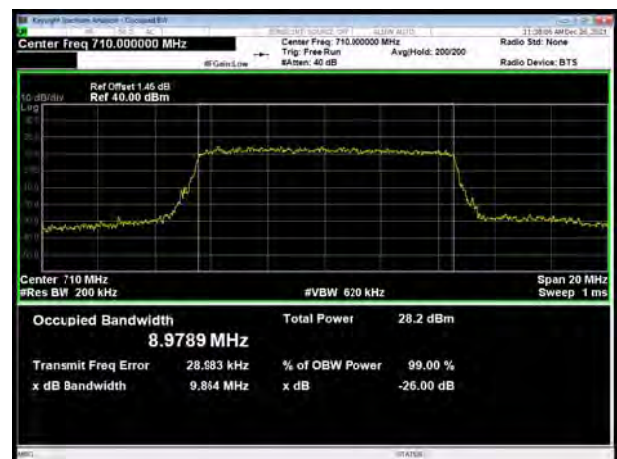
LTE Band 17 16QAM 10MHz CH-Low



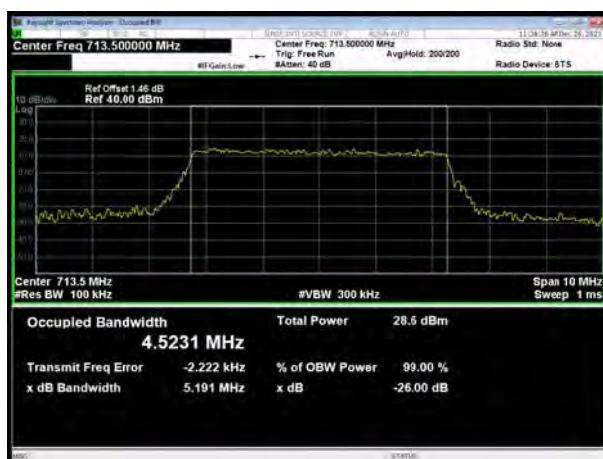
LTE Band 17 16QAM 5MHz CH-Middle



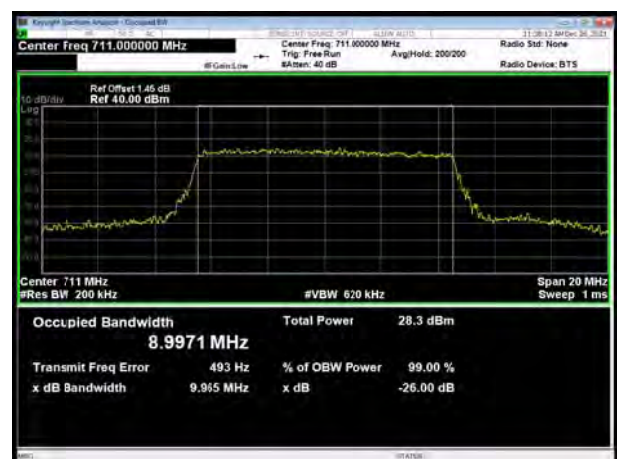
LTE Band 17 16QAM 10MHz CH-Middle



LTE Band 17 16QAM 5MHz CH-High



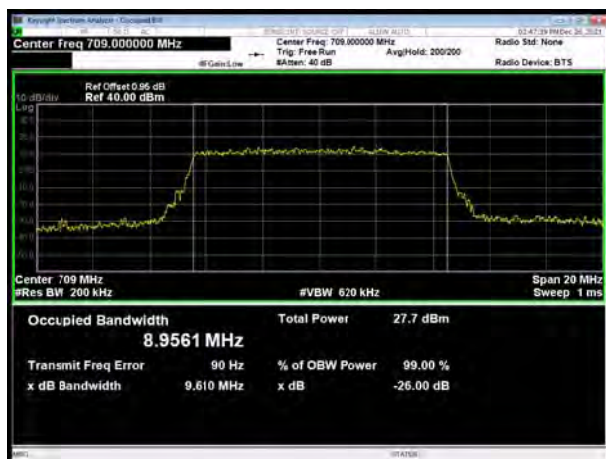
LTE Band 17 16QAM 10MHz CH-High



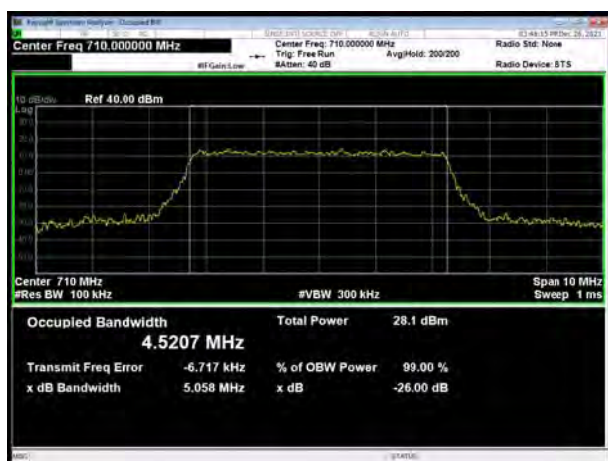
LTE Band 17 64QAM 5MHz CH-Low



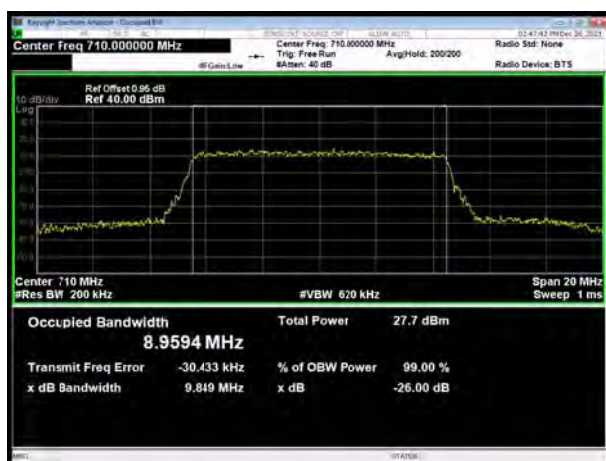
LTE Band 17 64QAM 10MHz CH-Low



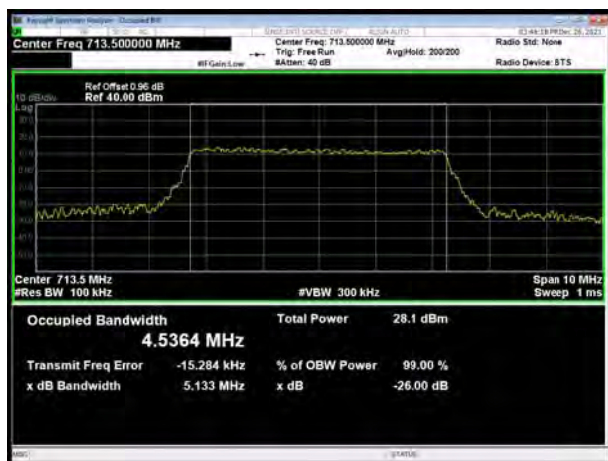
LTE Band 17 64QAM 5MHz CH-Middle



LTE Band 17 64QAM 10MHz CH-Middle



LTE Band 17 64QAM 5MHz CH-High

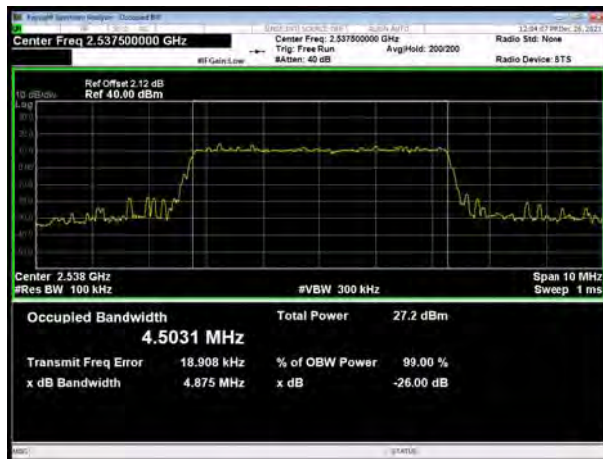


LTE Band 17 64QAM 10MHz CH-High

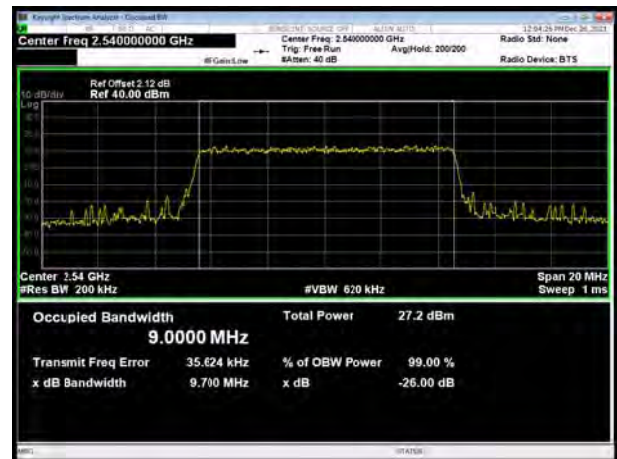




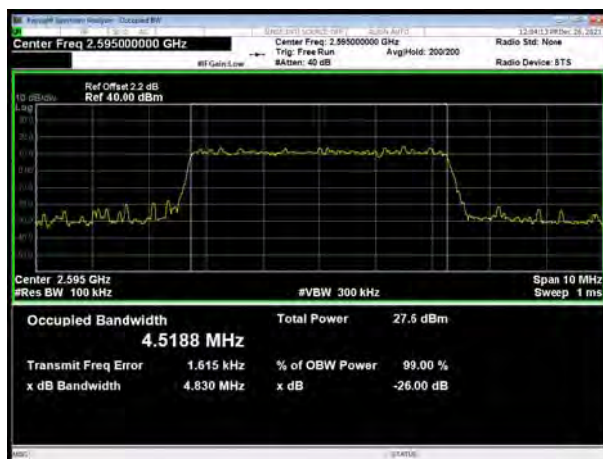
LTE Band 41 QPSK 5MHz CH-Low



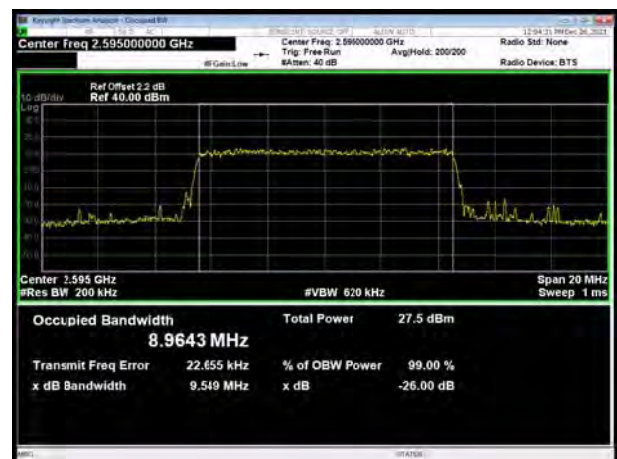
LTE Band 41 QPSK 10MHz CH-Low



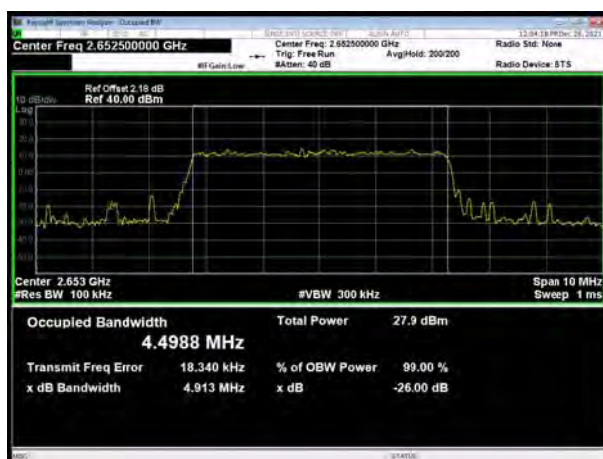
LTE Band 41 QPSK 5MHz CH-Middle



LTE Band 41 QPSK 10MHz CH-Middle



LTE Band 41 QPSK 5MHz CH-High

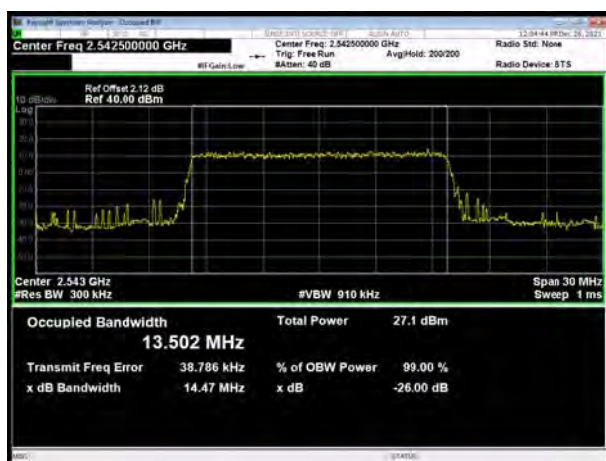


LTE Band 41 QPSK 10MHz CH-High

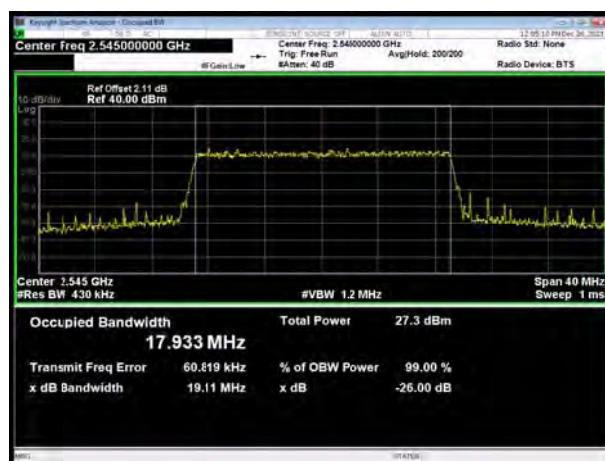




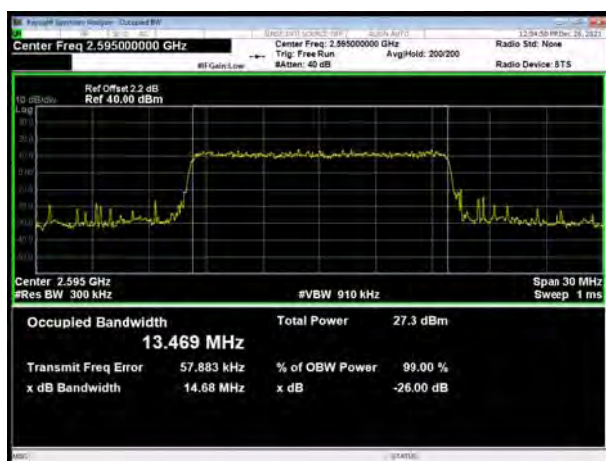
LTE Band 41 QPSK 15MHz CH-Low



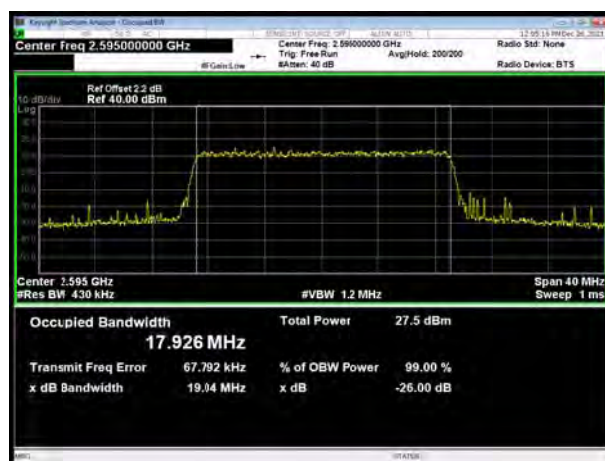
LTE Band 41 QPSK 20MHz CH-Low



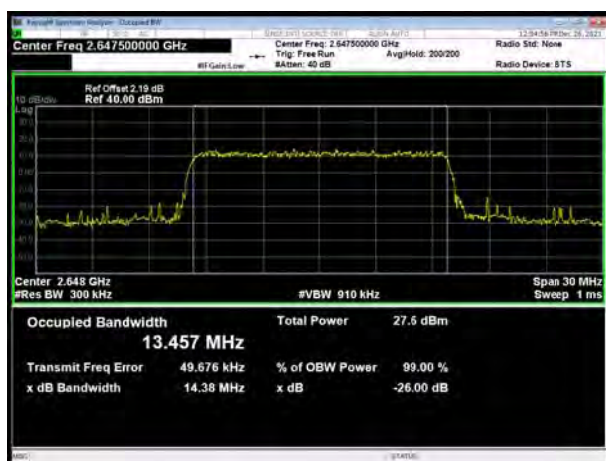
LTE Band 41 QPSK 15MHz CH-Middle



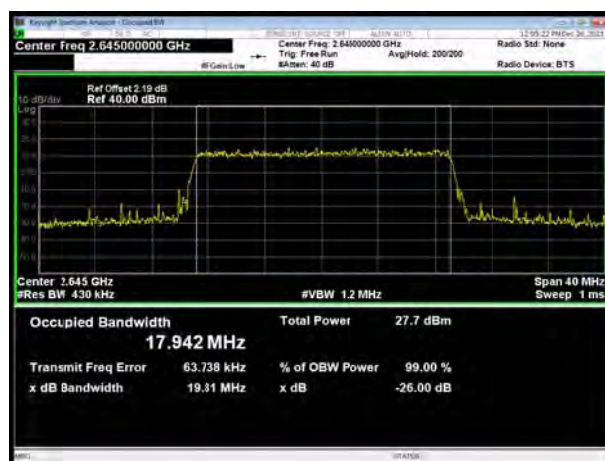
LTE Band 41 QPSK 20MHz CH-Middle



LTE Band 41 QPSK 15MHz CH-High



LTE Band 41 QPSK 20MHz CH-High

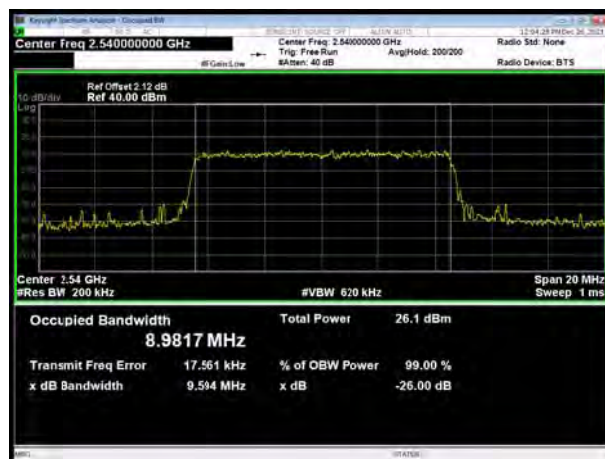




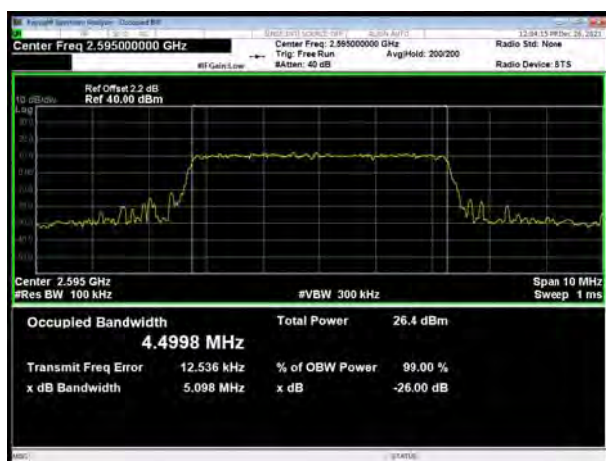
LTE Band 41 16QAM 5MHz CH-Low



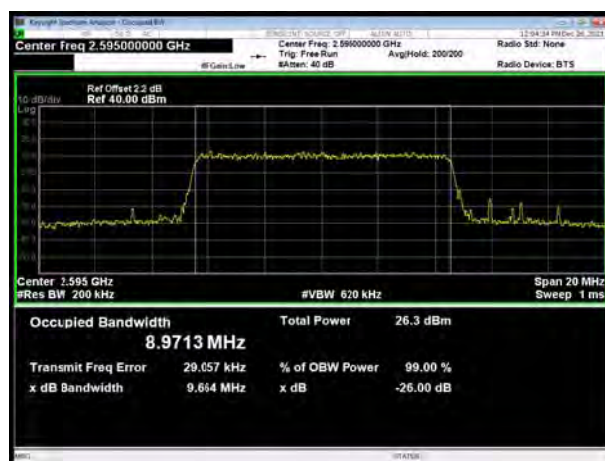
LTE Band 41 16QAM 10MHz CH-Low



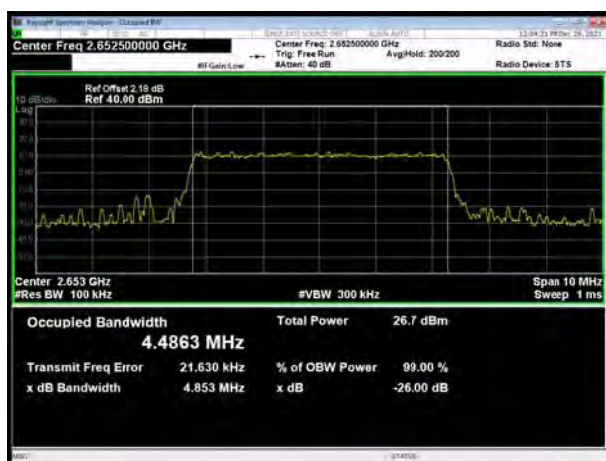
LTE Band 41 16QAM 5MHz CH-Middle



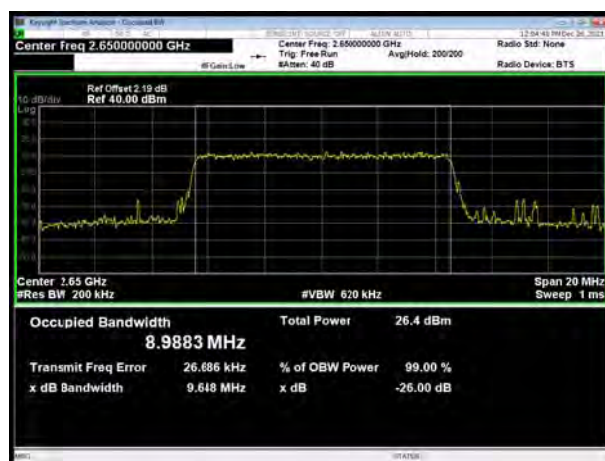
LTE Band 41 16QAM 10MHz CH-Middle



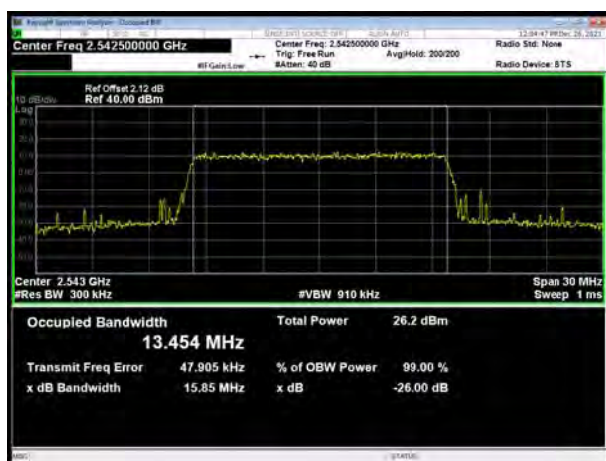
LTE Band 41 16QAM 5MHz CH-High



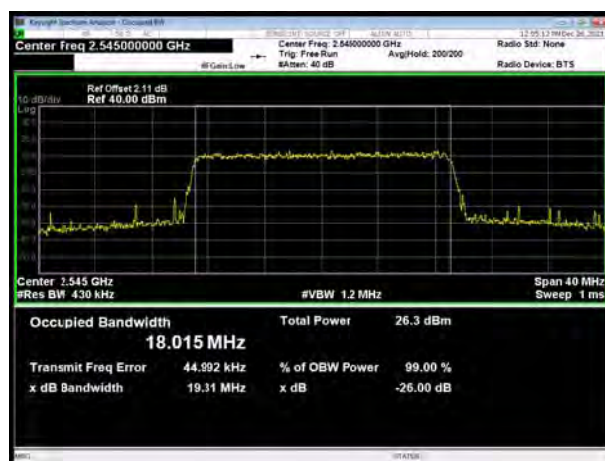
LTE Band 41 16QAM 10MHz CH-High



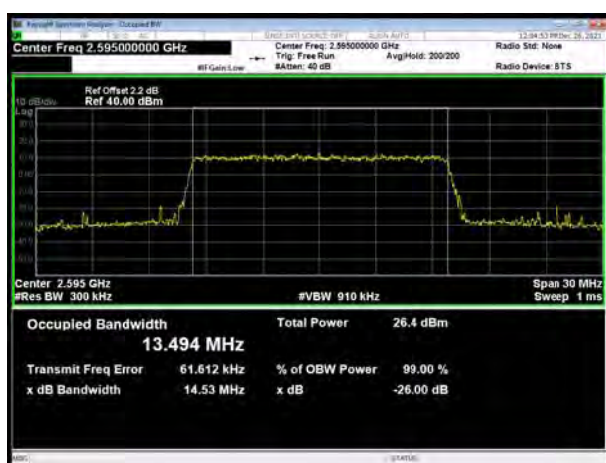
LTE Band 41 16QAM 15MHz CH-Low



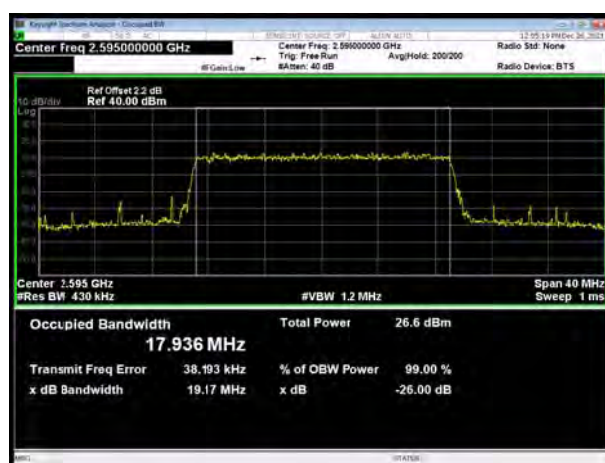
LTE Band 41 16QAM 20MHz CH-Low



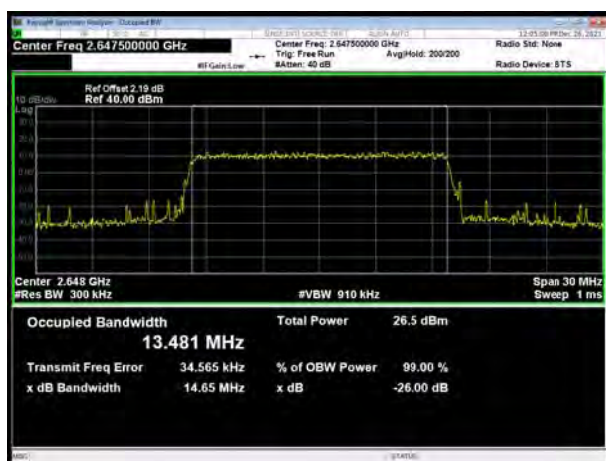
LTE Band 41 16QAM 15MHz CH-Middle



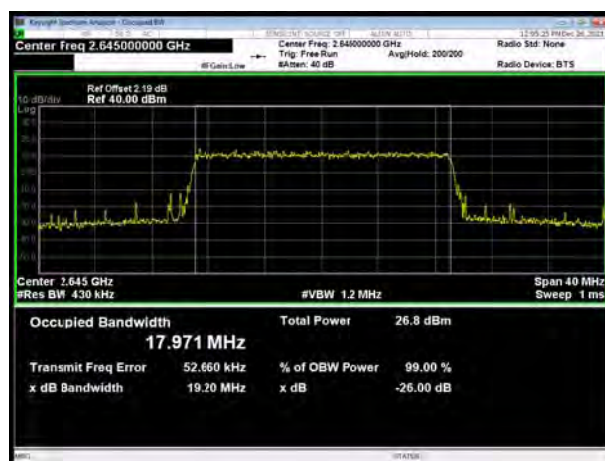
LTE Band 41 16QAM 20MHz CH-Middle



LTE Band 41 16QAM 15MHz CH-High

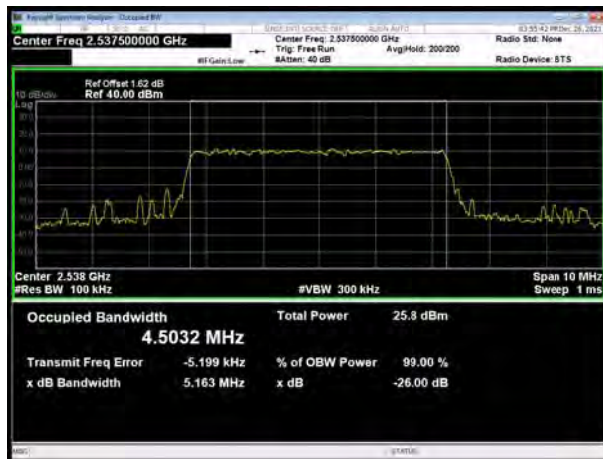


LTE Band 41 16QAM 20MHz CH-High

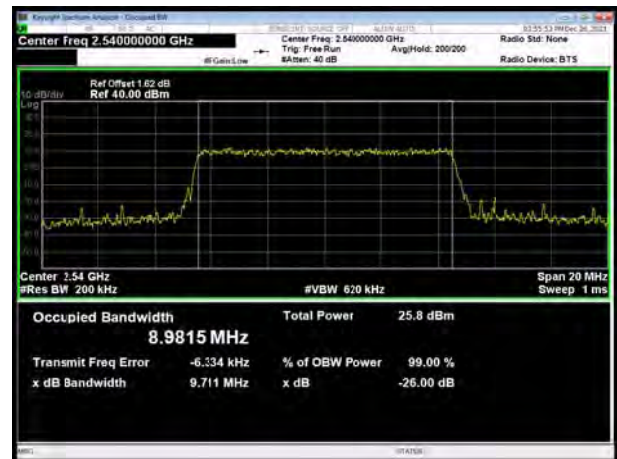




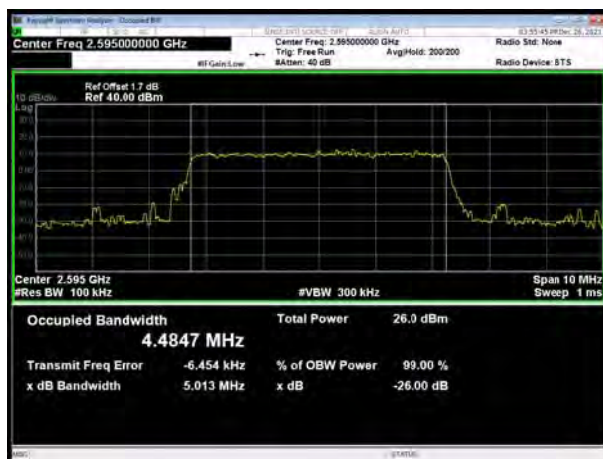
LTE Band 41 64QAM 5MHz CH-Low



LTE Band 41 64QAM 10MHz CH-Low



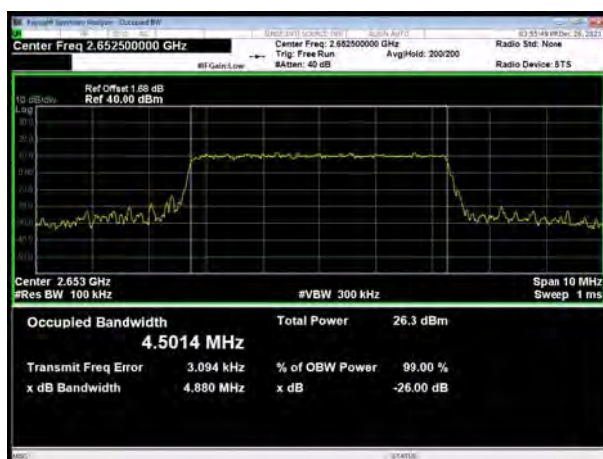
LTE Band 41 64QAM 5MHz CH-Middle



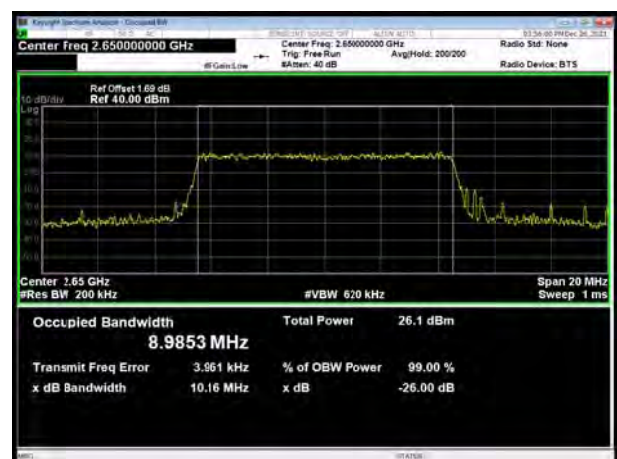
LTE Band 41 64QAM 10MHz CH-Middle



LTE Band 41 64QAM 5MHz CH-High

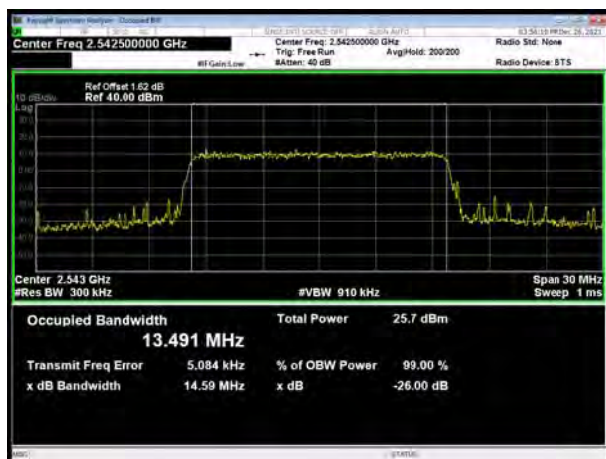


LTE Band 41 64QAM 10MHz CH-High

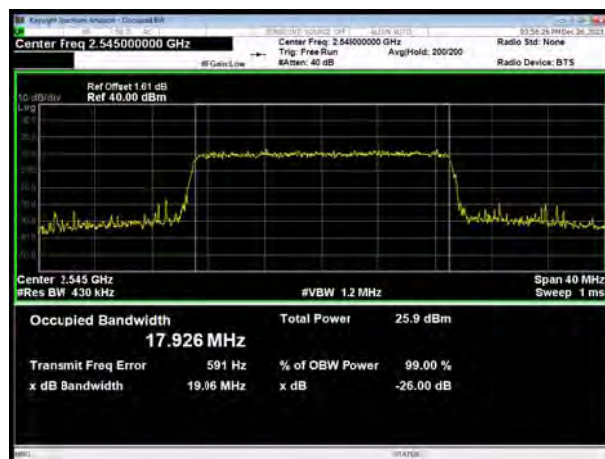




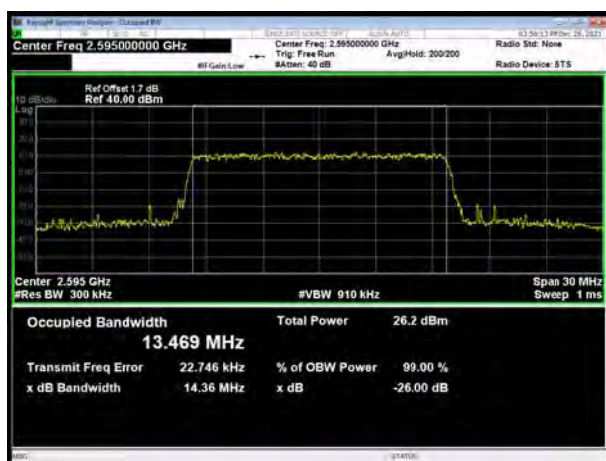
LTE Band 41 64QAM 15MHz CH-Low



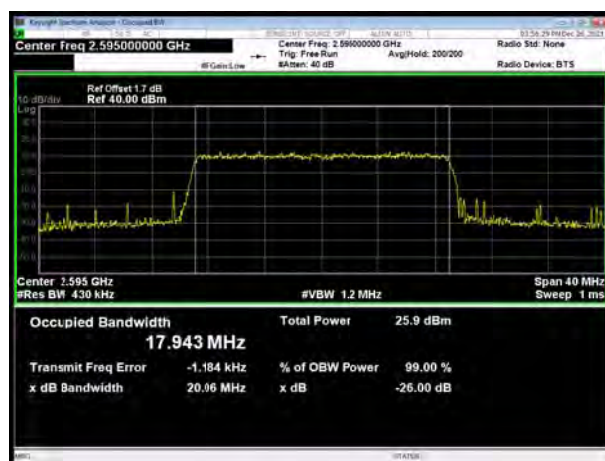
LTE Band 41 64QAM 20MHz CH-Low



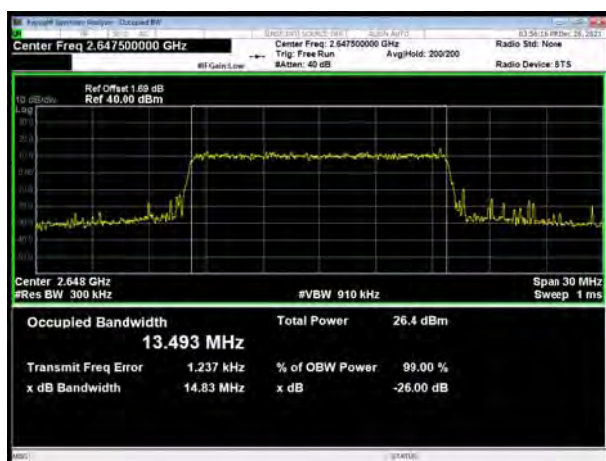
LTE Band 41 64QAM 15MHz CH-Middle



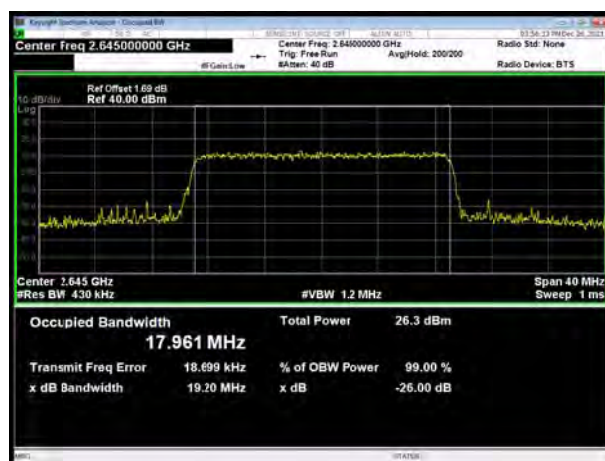
LTE Band 41 64QAM 20MHz CH-Middle



LTE Band 41 64QAM 15MHz CH-High

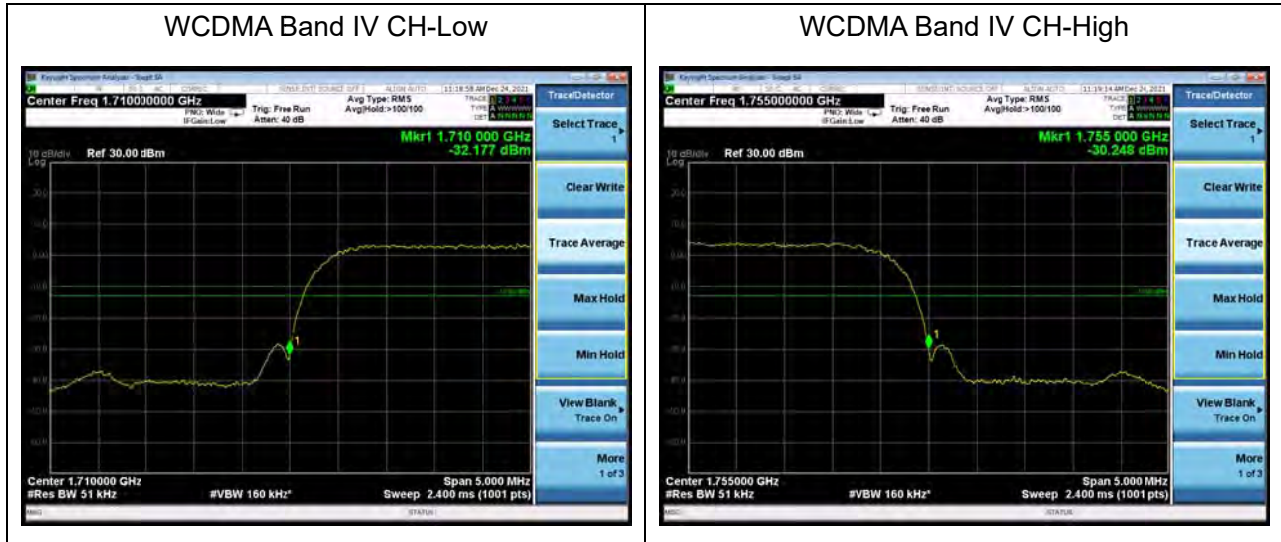


LTE Band 41 64QAM 20MHz CH-High



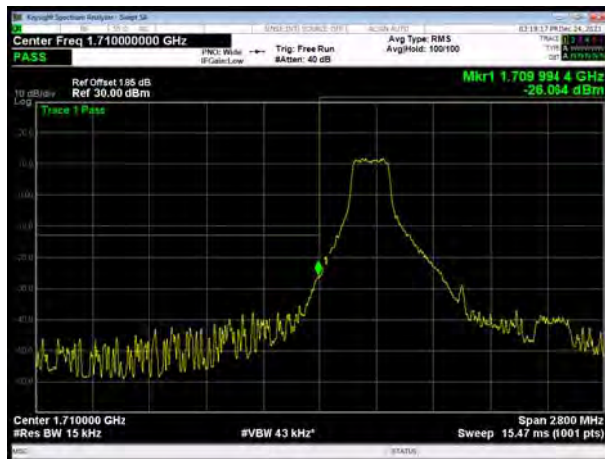
6.3 Band Edge Compliance

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





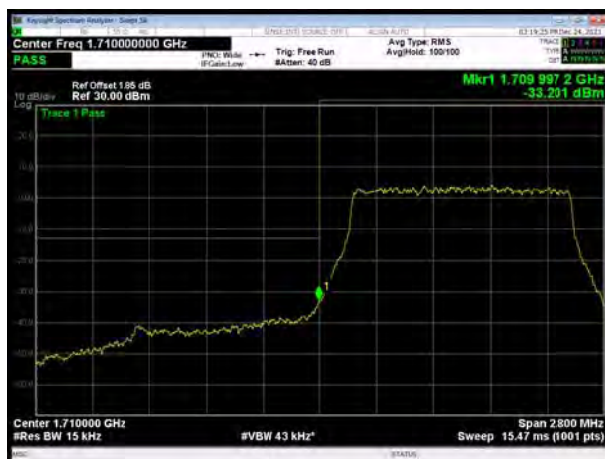
LTE Band 4 QPSK 1.4MHz CH-Low, 1 RB



LTE Band 4 QPSK 1.4MHz CH-High, 1 RB



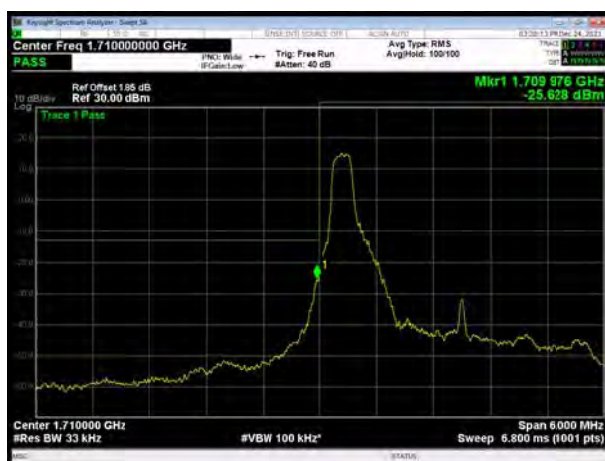
LTE Band 4 QPSK 1.4MHz CH-Low, 100%RB



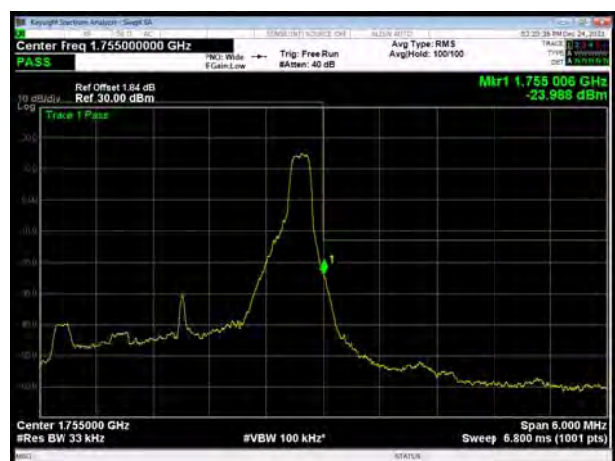
LTE Band 4 QPSK 1.4MHz CH-High, 100%RB



LTE Band 4 QPSK 3MHz CH-Low, 1 RB



LTE Band 4 QPSK 3MHz CH-High, 1 RB

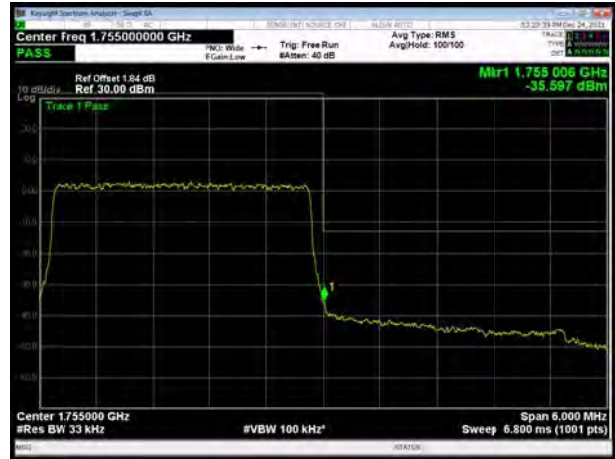




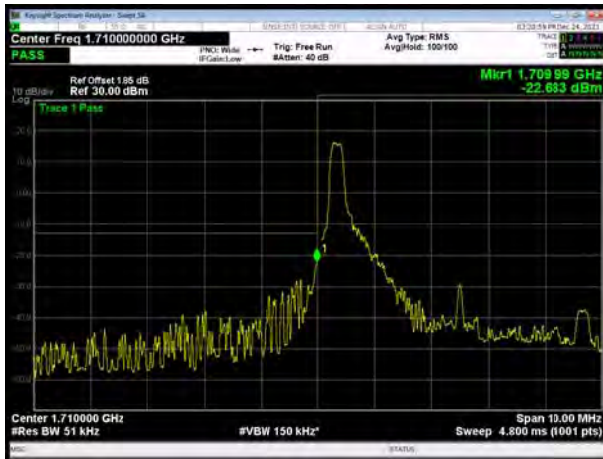
LTE Band 4 QPSK 3MHz CH-Low, 100%RB



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



LTE Band 4 QPSK 5MHz CH-Low, 1 RB



LTE Band 4 QPSK 5MHz CH-High, 1 RB



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



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

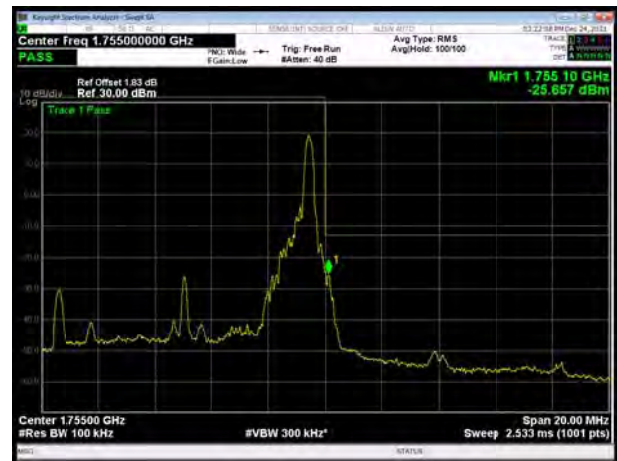




LTE Band 4 QPSK 10MHz CH-Low, 1 RB



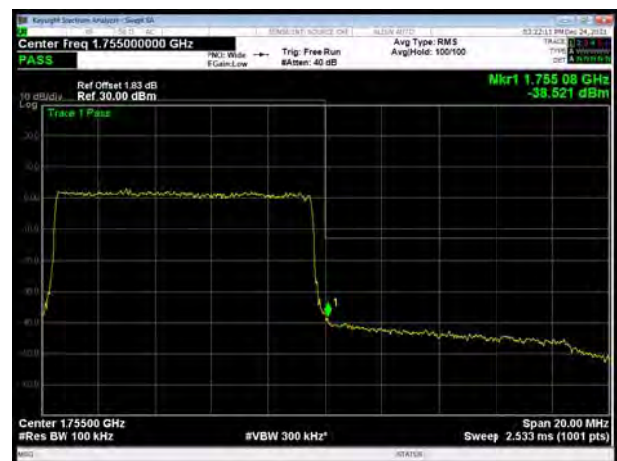
LTE Band 4 QPSK 10MHz CH-High, 1 RB



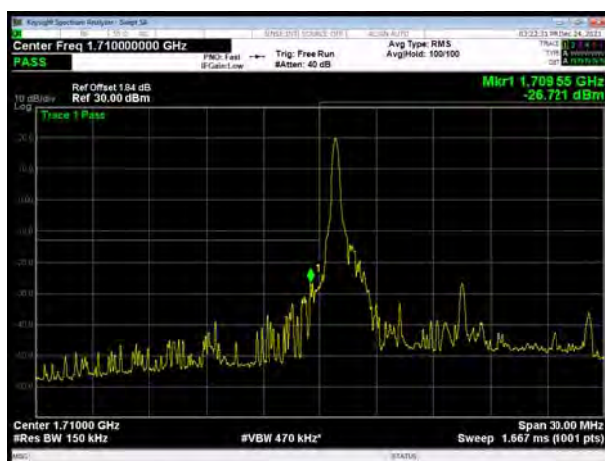
LTE Band 4 QPSK 10MHz CH-Low, 100%RB



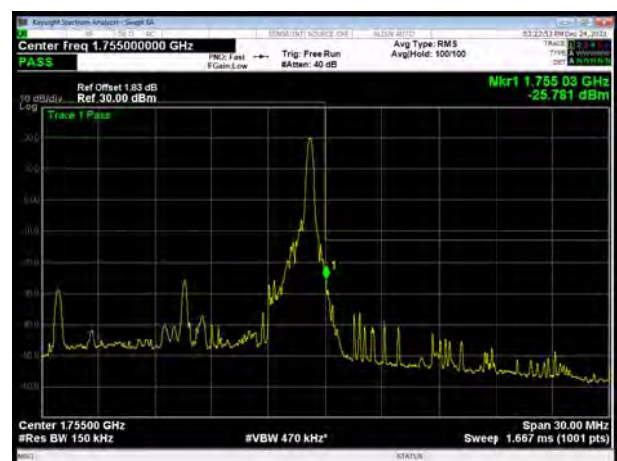
LTE Band 4 QPSK 10MHz CH-High, 100%RB



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



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





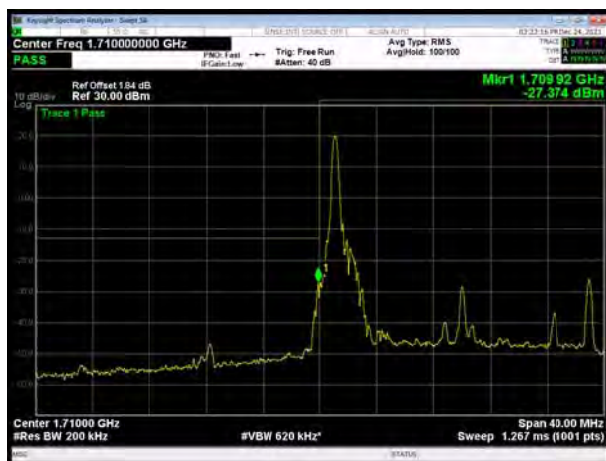
LTE Band 4 QPSK 15MHz CH-Low, 100%RB



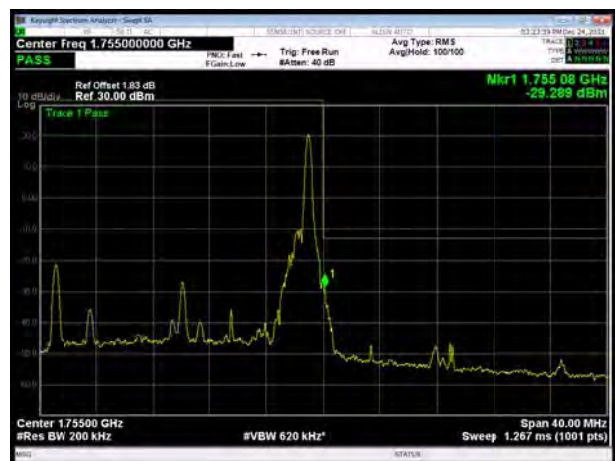
LTE Band 4 QPSK 15MHz CH-High, 100%RB



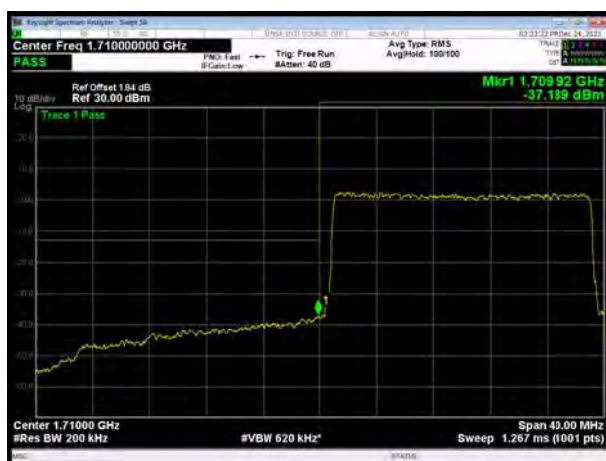
LTE Band 4 QPSK 20MHz CH-Low, 1 RB



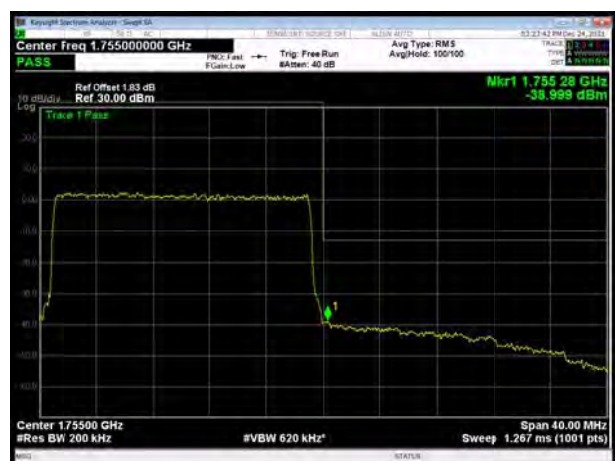
LTE Band 4 QPSK 20MHz CH-High, 1 RB



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

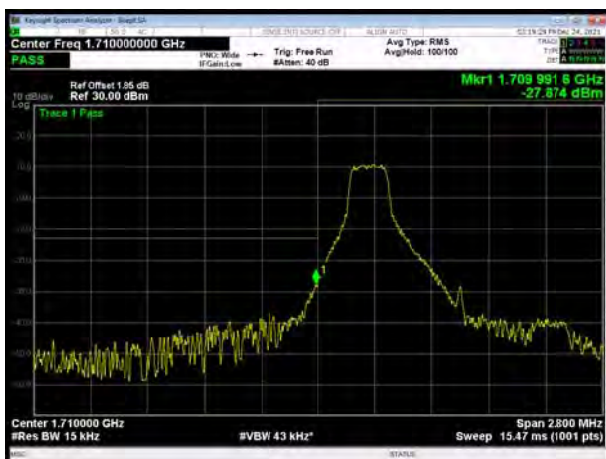


LTE Band 4 QPSK 20MHz CH-High, 100%RB

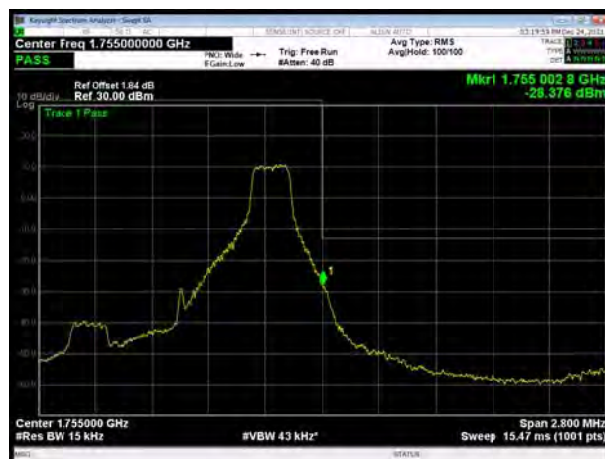




LTE Band 4 16QAM 1.4MHz CH-Low, 1 RB



LTE Band 4 16QAM 1.4MHz CH-High, 1 RB



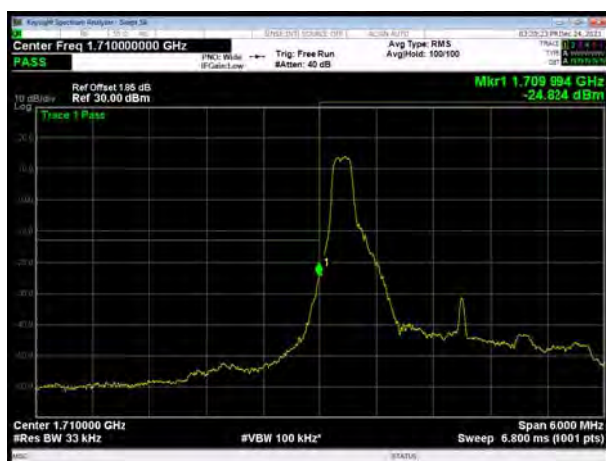
LTE Band 4 16QAM 1.4MHz CH-Low, 100%RB



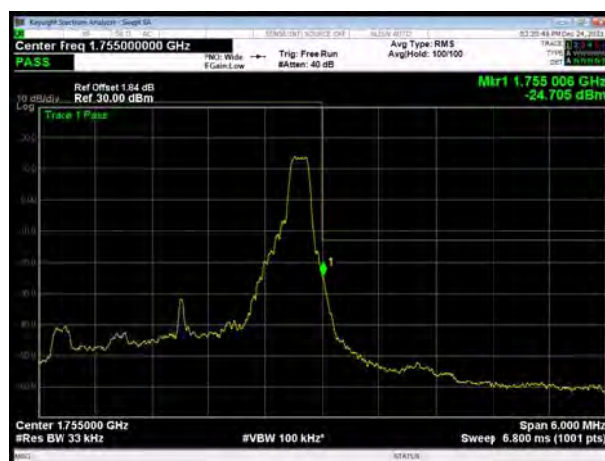
LTE Band 4 16QAM 1.4MHz CH-High, 100%RB



LTE Band 4 16QAM 3MHz CH-Low, 1 RB

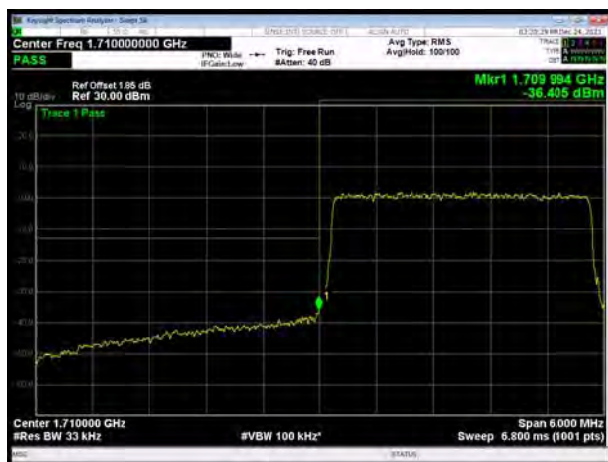


LTE Band 4 16QAM 3MHz CH-High, 1 RB





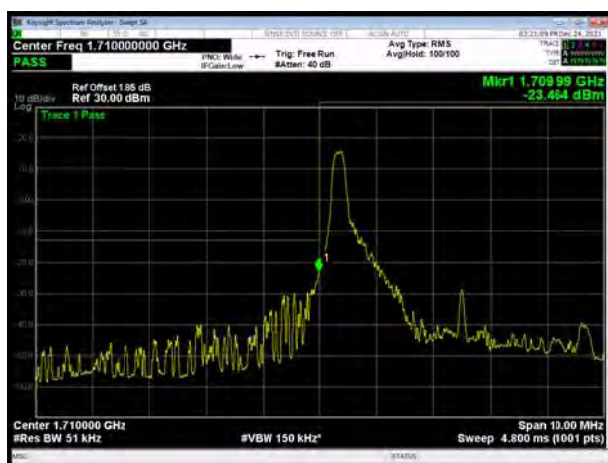
LTE Band 4 16QAM 3MHz CH-Low, 100%RB



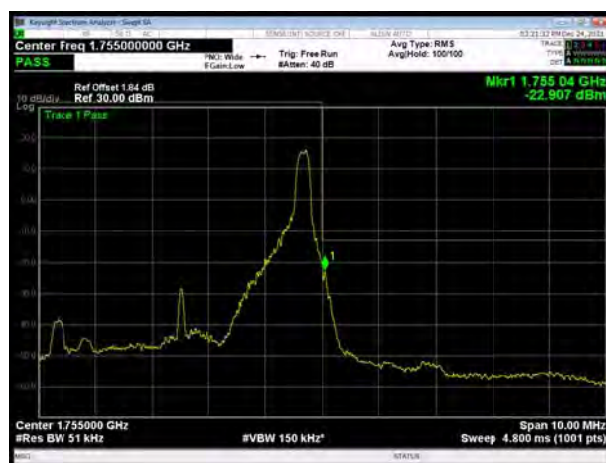
LTE Band 4 16QAM 3MHz CH-High, 100%RB



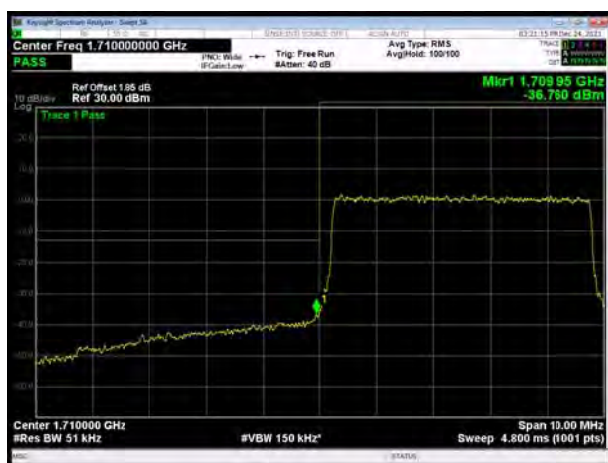
LTE Band 4 16QAM 5MHz CH-Low, 1 RB



LTE Band 4 16QAM 5MHz CH-High, 1 RB



LTE Band 4 16QAM 5MHz CH-Low, 100%RB

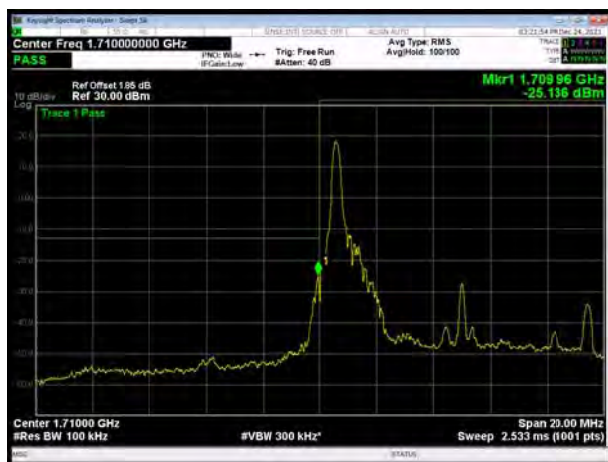


LTE Band 4 16QAM 5MHz CH-High, 100%RB

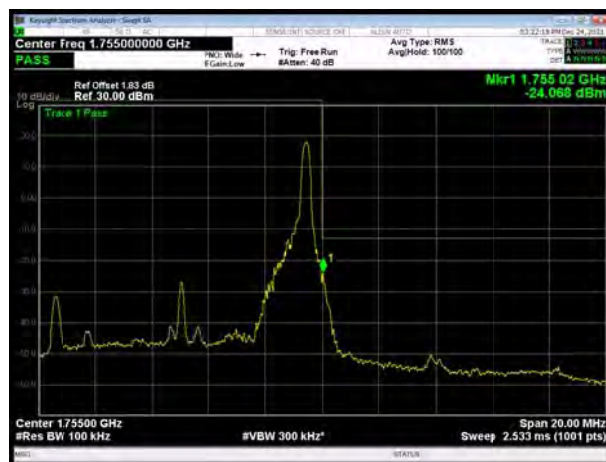




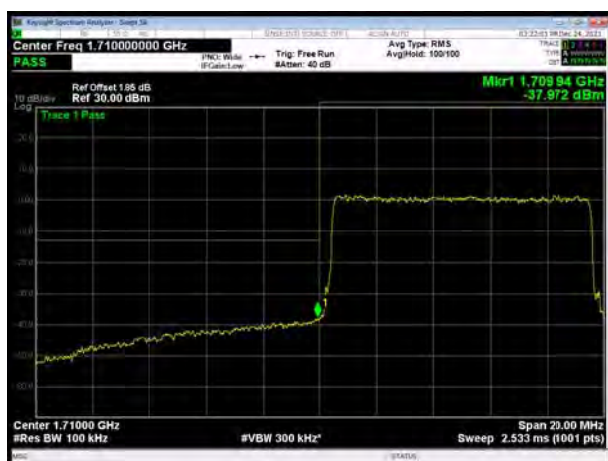
LTE Band 4 16QAM 10MHz CH-Low, 1 RB



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



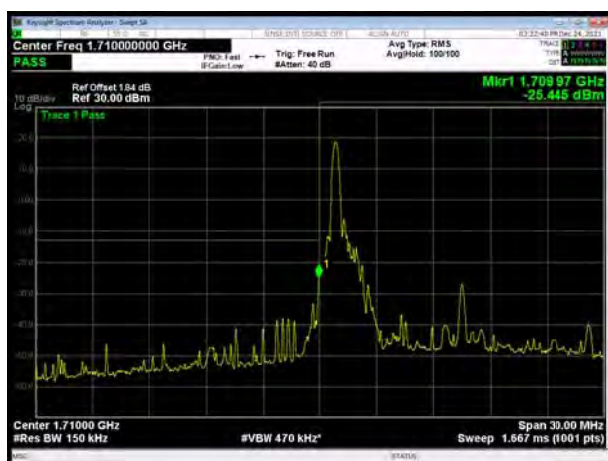
LTE Band 4 16QAM 10MHz CH-Low, 100%RB



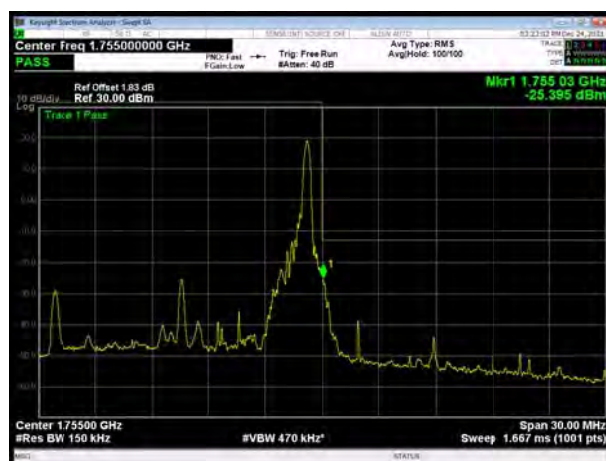
LTE Band 4 16QAM 10MHz CH-High, 100%RB



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



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





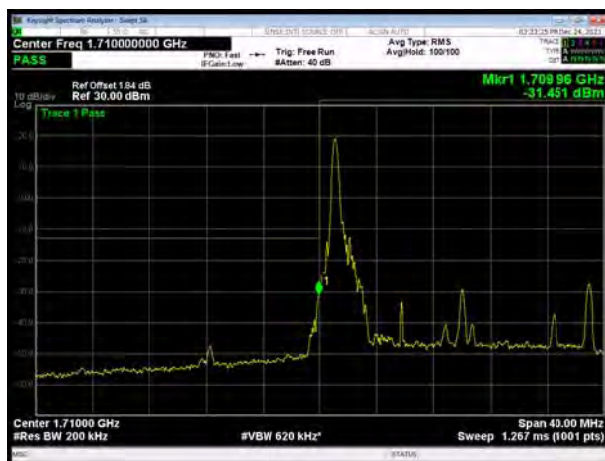
LTE Band 4 16QAM 15MHz CH-Low, 100%RB



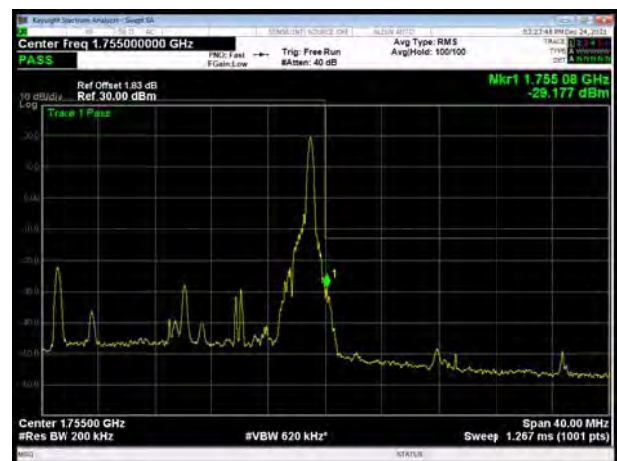
LTE Band 4 16QAM 15MHz CH-High, 100%RB



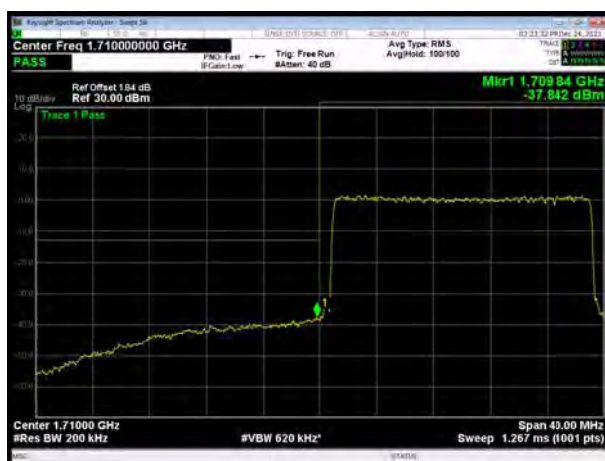
LTE Band 4 16QAM 20MHz CH-Low, 1 RB



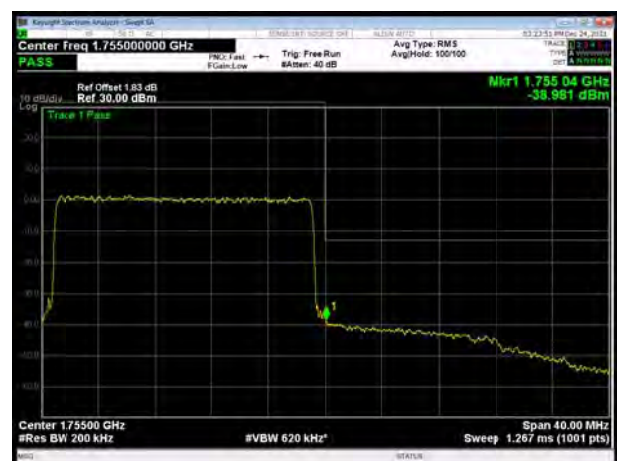
LTE Band 4 16QAM 20MHz CH-High, 1 RB



LTE Band 4 16QAM 20MHz CH-Low, 100%RB

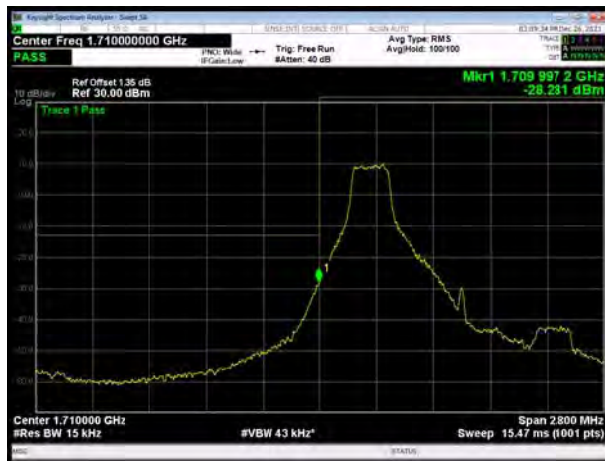


LTE Band 4 16QAM 20MHz CH-High, 100%RB





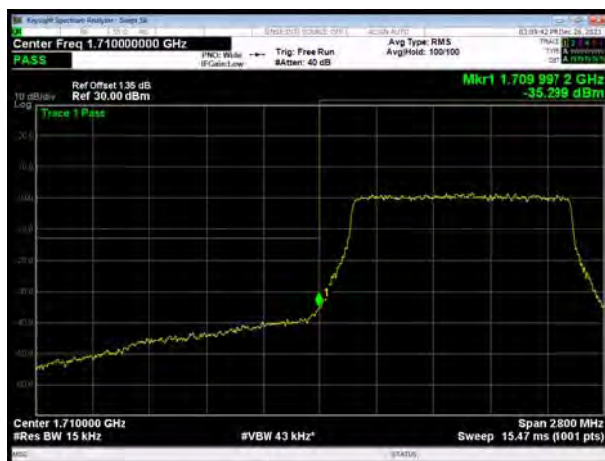
LTE Band 4 64QAM 1.4MHz CH-Low, 1 RB



LTE Band 4 64QAM 1.4MHz CH-High, 1 RB



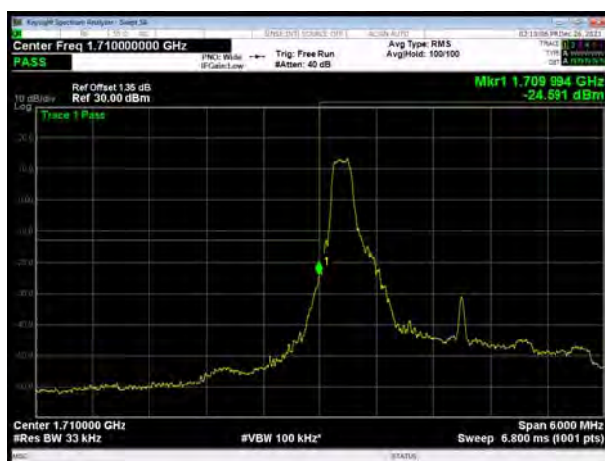
LTE Band 4 64QAM 1.4MHz CH-Low, 100%RB



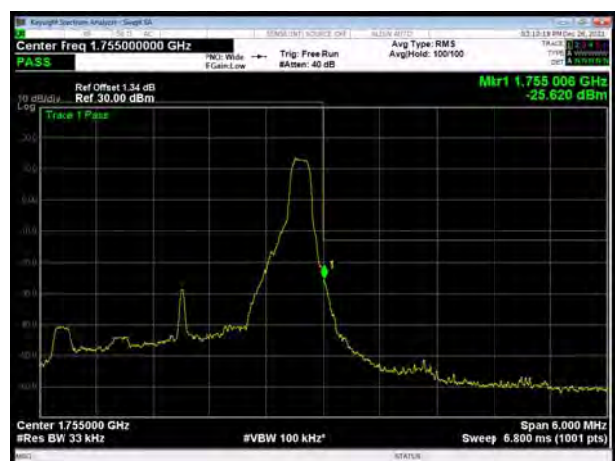
LTE Band 4 64QAM 1.4MHz CH-High, 100%RB



LTE Band 4 64QAM 3MHz CH-Low, 1 RB

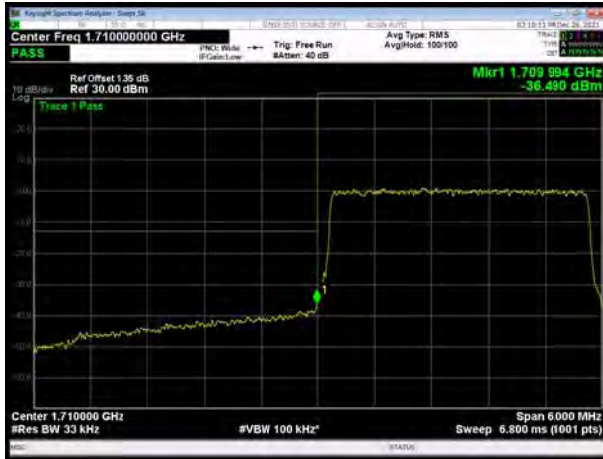


LTE Band 4 64QAM 3MHz CH-High, 1 RB





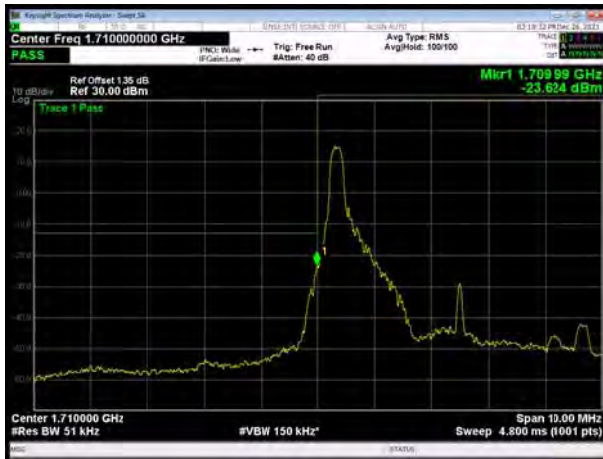
LTE Band 4 64QAM 3MHz CH-Low, 100%RB



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



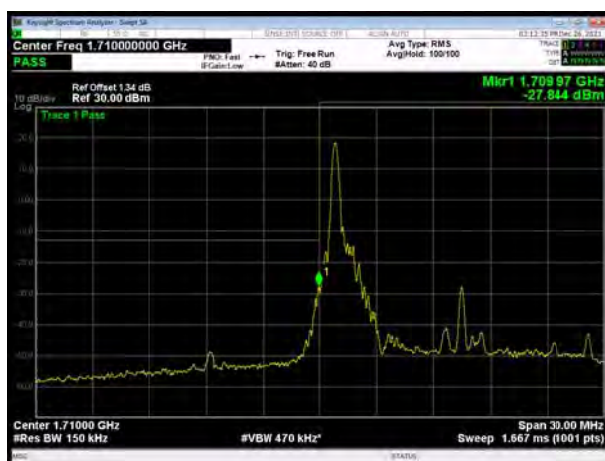
LTE Band 4 64QAM 10MHz CH-Low, 100%RB



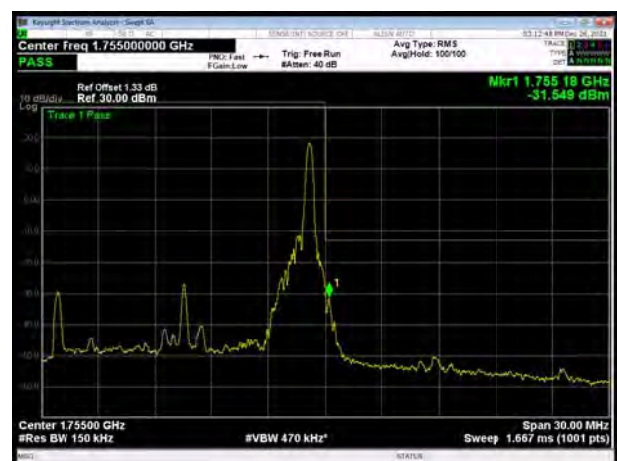
LTE Band 4 64QAM 10MHz CH-High, 100%RB



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



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





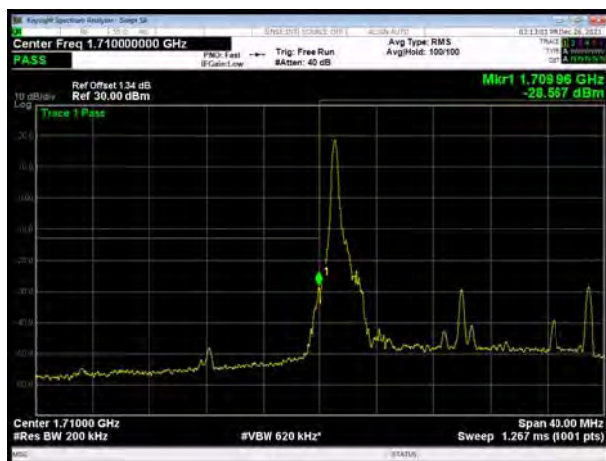
LTE Band 4 64QAM 15MHz CH-Low, 100%RB



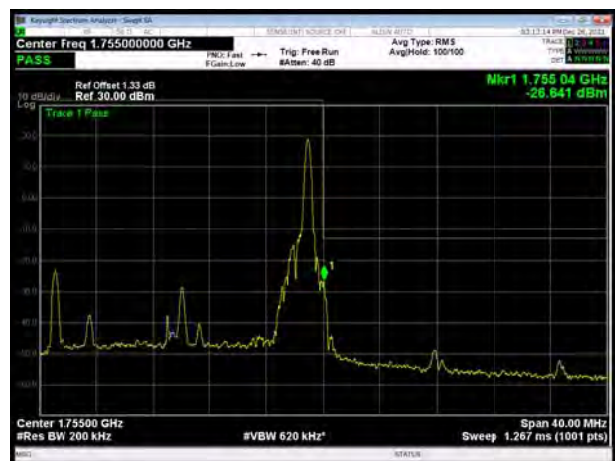
LTE Band 4 64QAM 15MHz CH-High, 100%RB



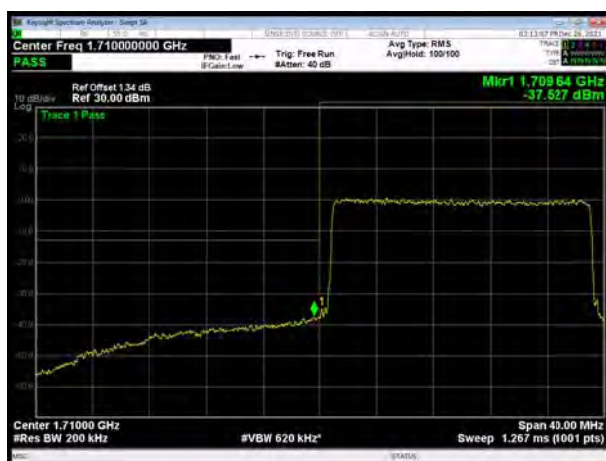
LTE Band 4 64QAM 20MHz CH-Low, 1 RB



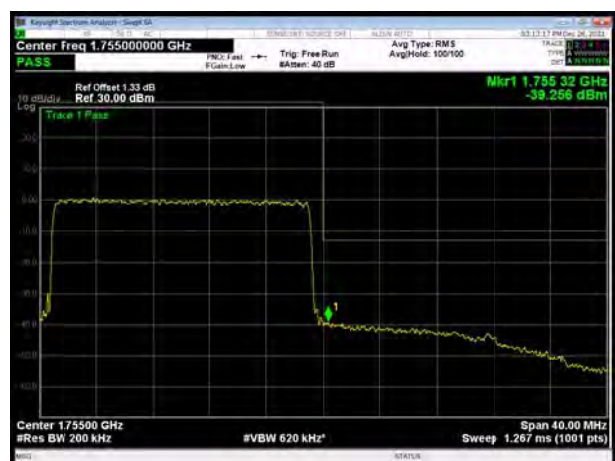
LTE Band 4 64QAM 20MHz CH-High, 1 RB



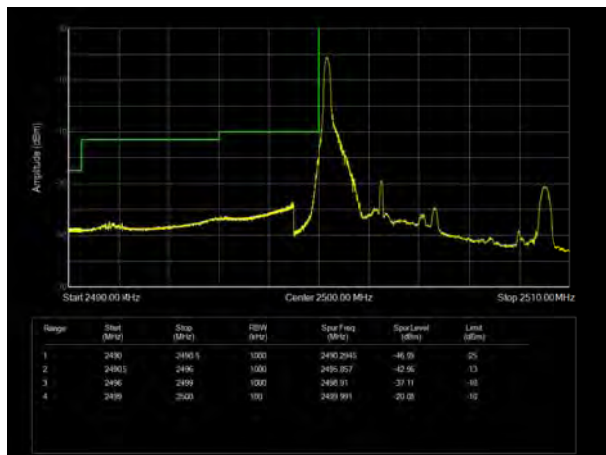
LTE Band 4 64QAM 20MHz CH-Low, 100%RB



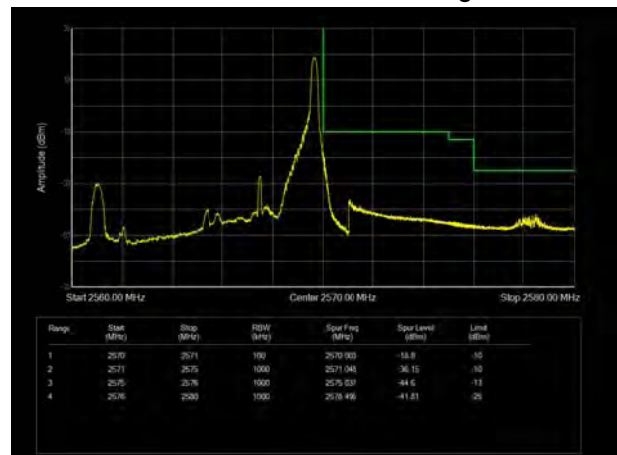
LTE Band 4 64QAM 20MHz CH-High, 100%RB



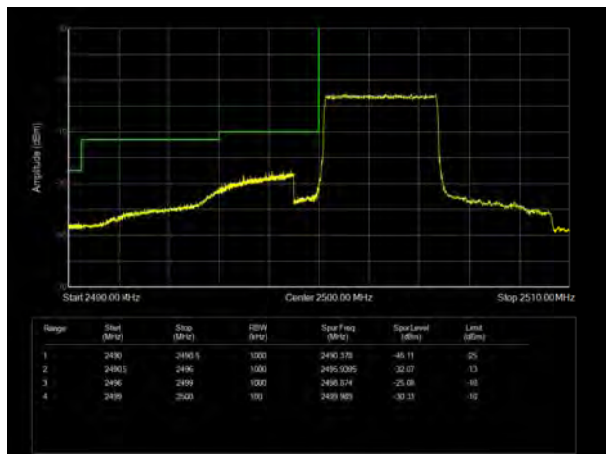
LTE Band 7 QPSK 5MHz CH-Low, 1 RB



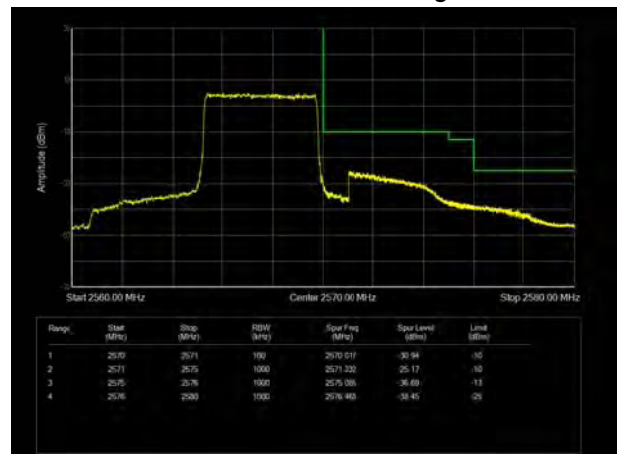
LTE Band 7 QPSK 5MHz CH-High, 1 RB



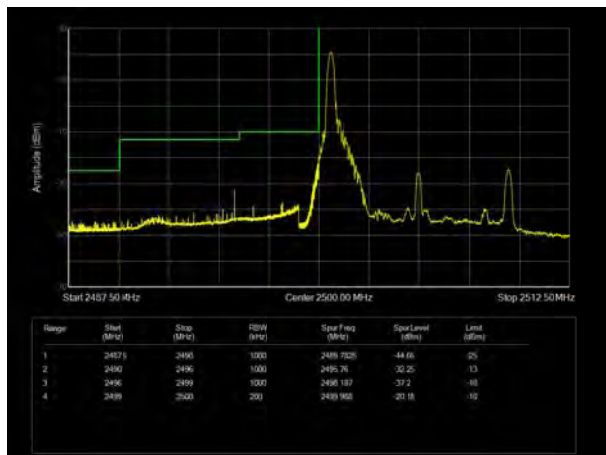
LTE Band 7 QPSK 5MHz CH-Low, 100%RB



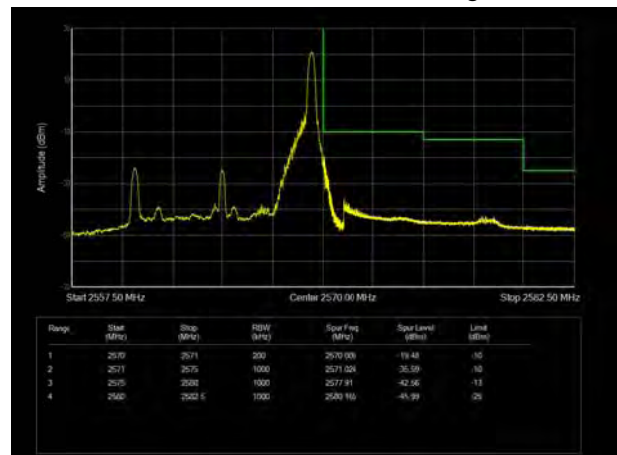
LTE Band 7 QPSK 5MHz CH-High, 100%RB



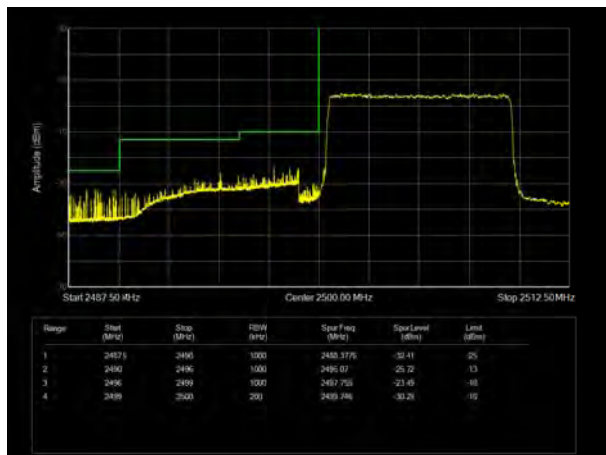
LTE Band 7 QPSK 10MHz CH-Low, 1 RB



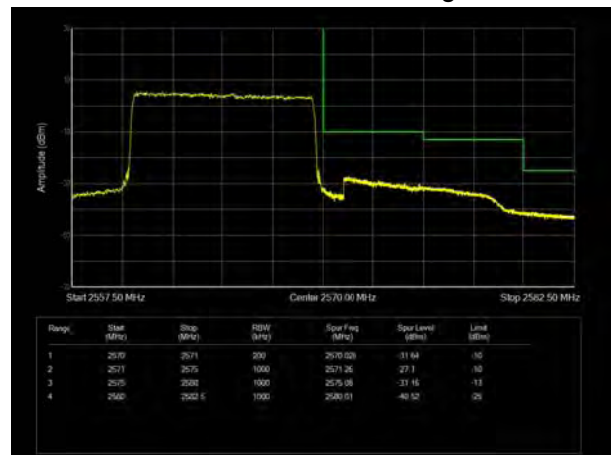
LTE Band 7 QPSK 10MHz CH-High, 1 RB



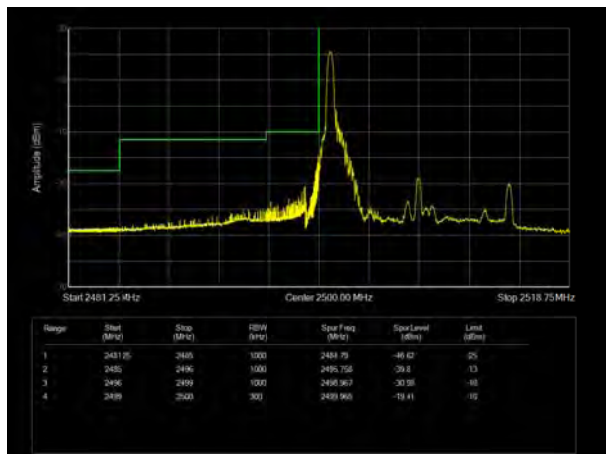
LTE Band 7 QPSK 10MHz CH-Low, 100%RB



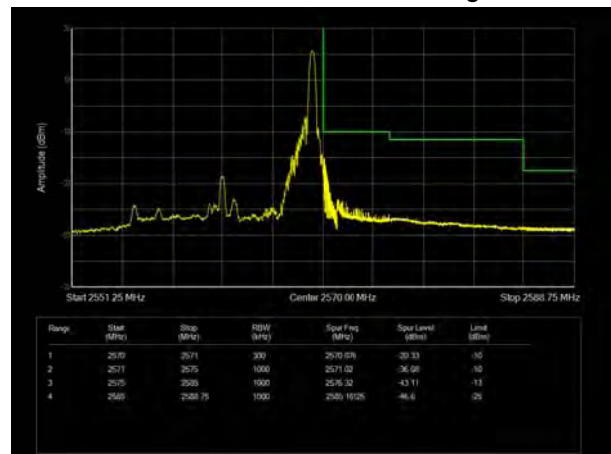
LTE Band 7 QPSK 10MHz CH-High, 100%RB



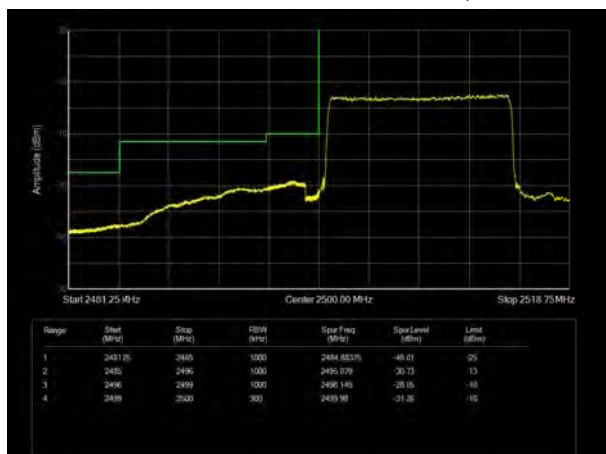
LTE Band 7 QPSK 15MHz CH-Low, 1 RB



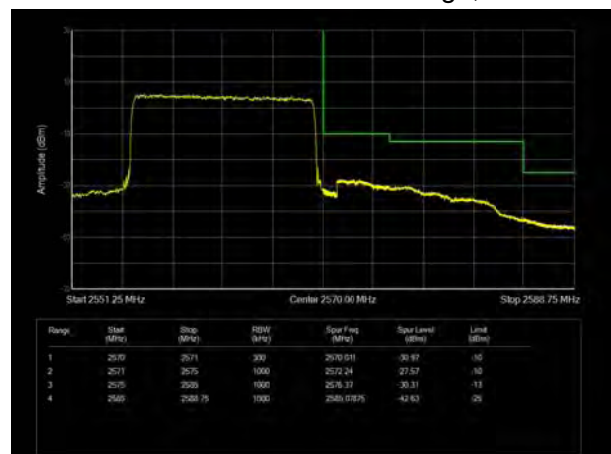
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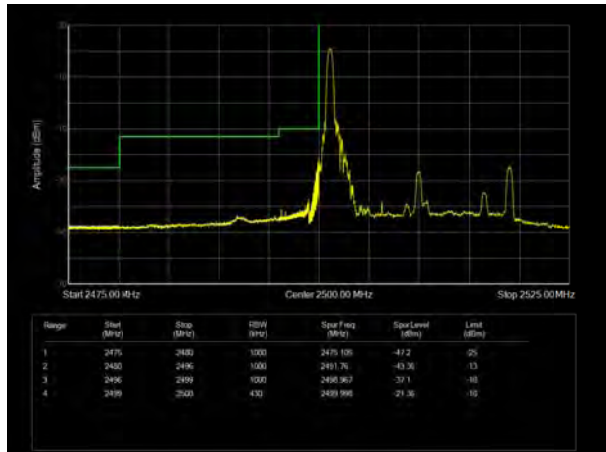
LTE Band 7 QPSK 15MHz CH-Low, 100%RB



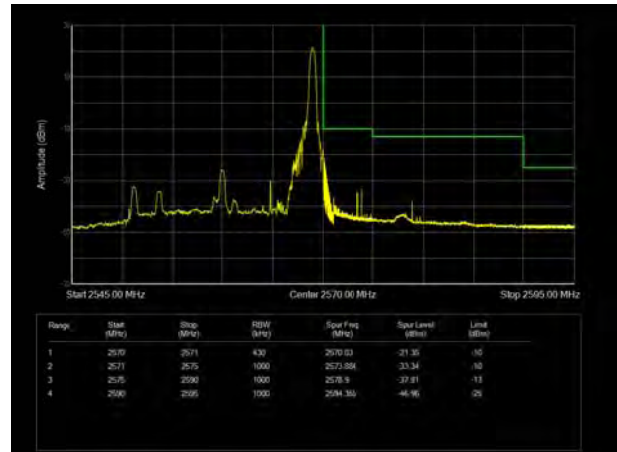
LTE Band 7 QPSK 15MHz CH-High, 100%RB



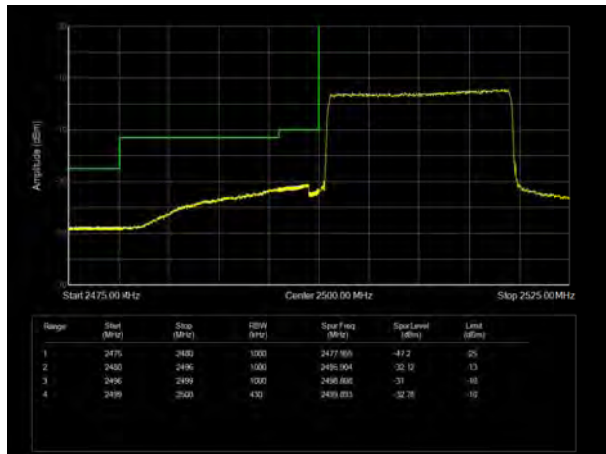
LTE Band 7 QPSK 20MHz CH-Low, 1 RB



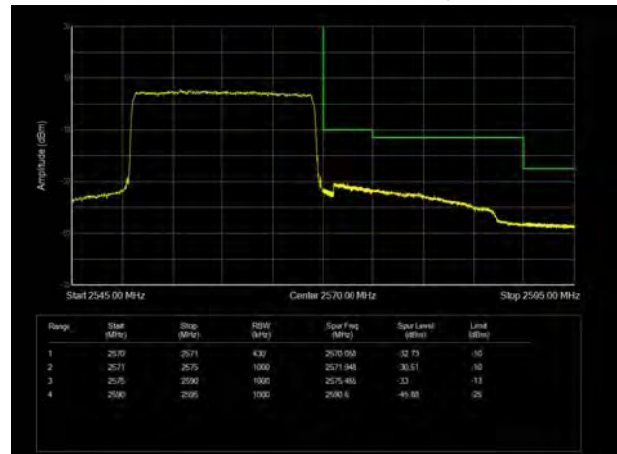
LTE Band 7 QPSK 20MHz CH-High, 1 RB



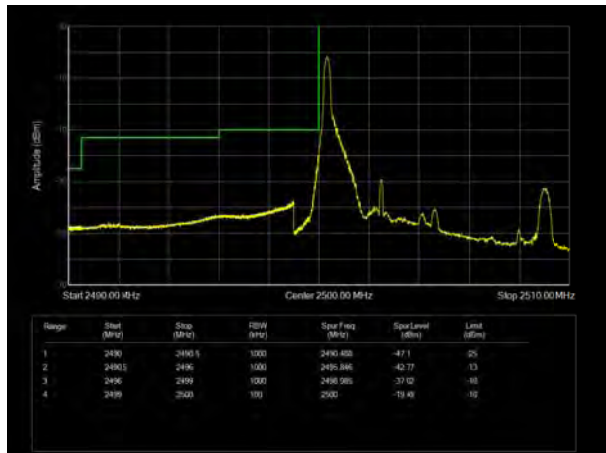
LTE Band 7 QPSK 20MHz CH-Low, 100%RB



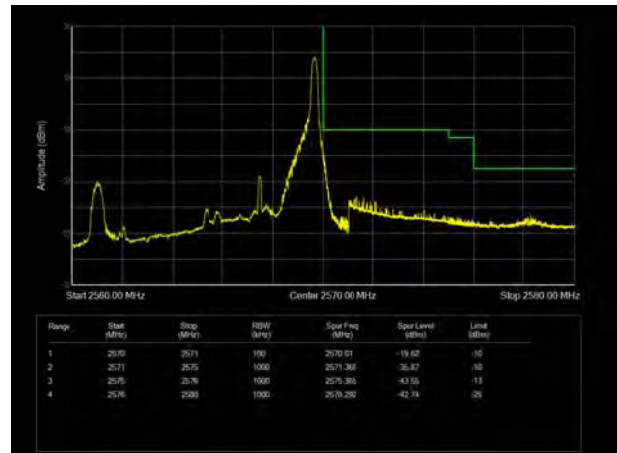
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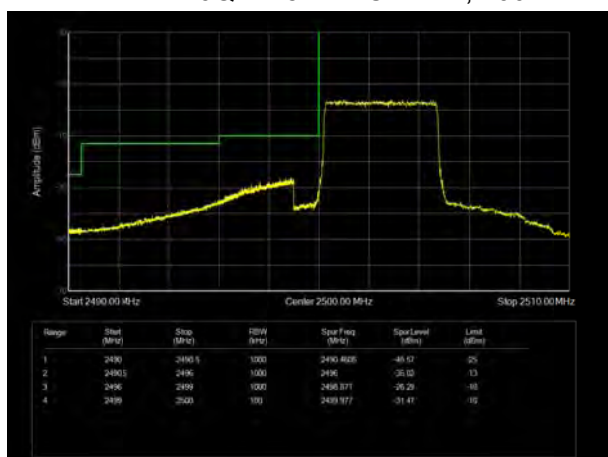
LTE Band 7 16QAM 5MHz CH-Low, 1 RB



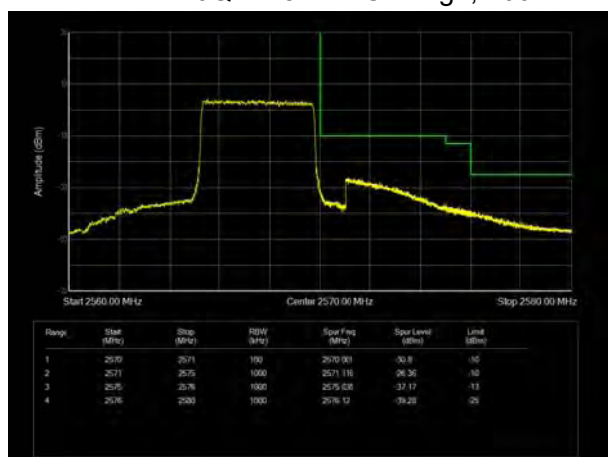
LTE Band 7 16QAM 5MHz CH-High, 1 RB



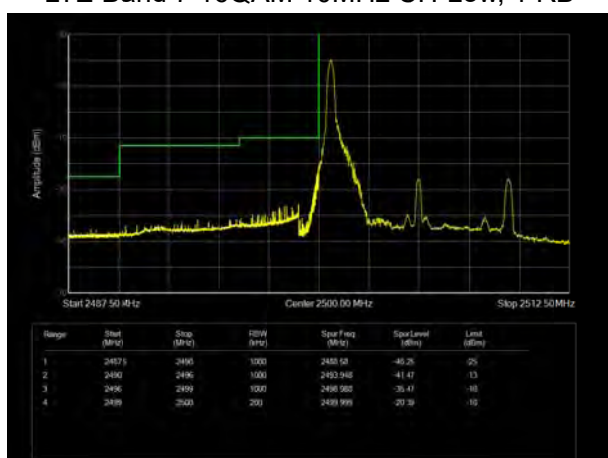
LTE Band 7 16QAM 5MHz CH-Low, 100%RB



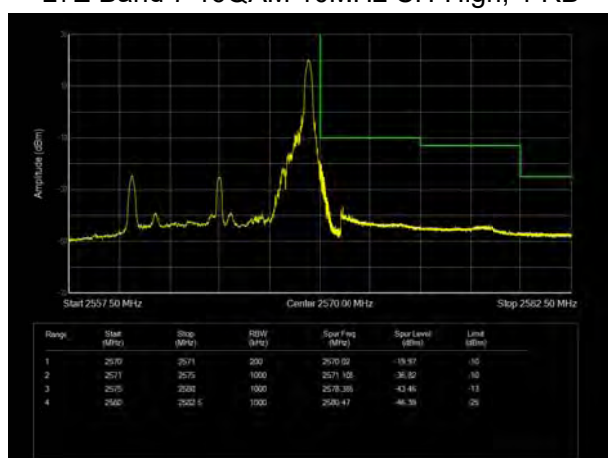
LTE Band 7 16QAM 5MHz CH-High, 100%RB



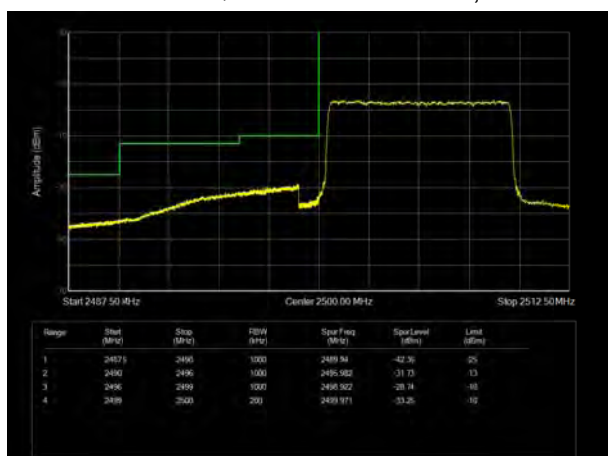
LTE Band 7 16QAM 10MHz CH-Low, 1 RB



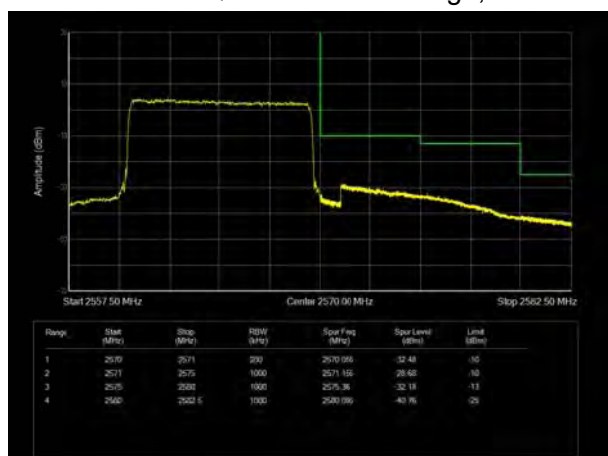
LTE Band 7 16QAM 10MHz CH-High, 1 RB



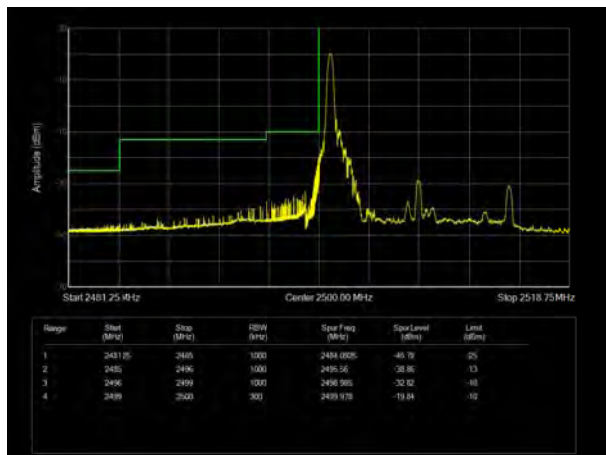
LTE Band 7 16QAM 10MHz CH-Low, 100%RB



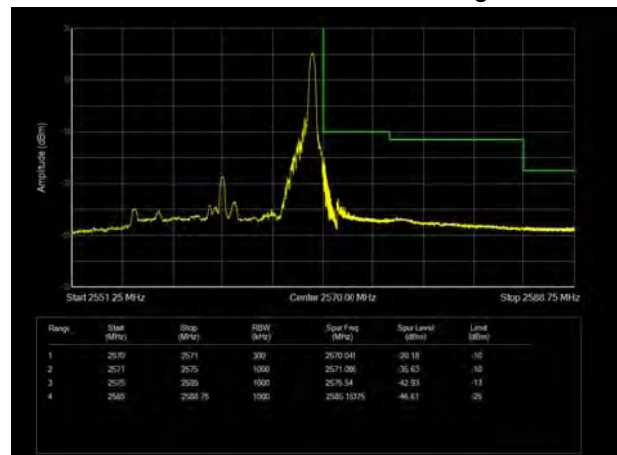
LTE Band 7 16QAM 10MHz CH-High, 100%RB



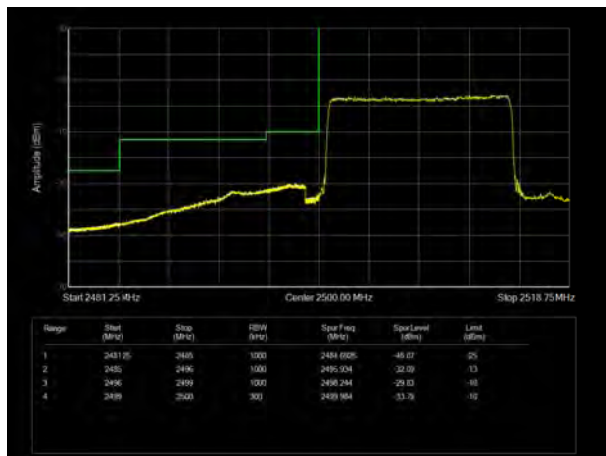
LTE Band 7 16QAM 15MHz CH-Low, 1 RB



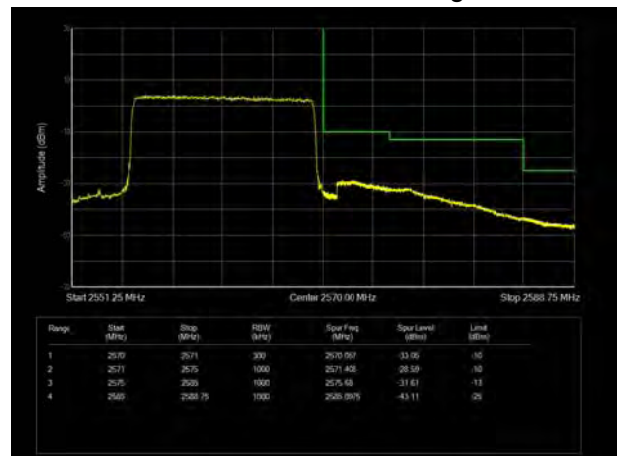
LTE Band 7 16QAM 15MHz CH-High, 1 RB



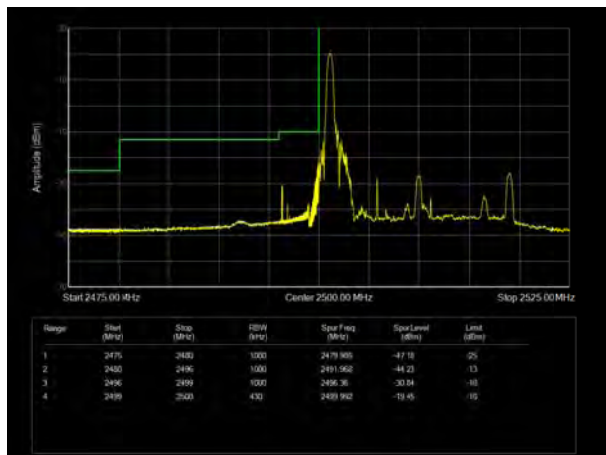
LTE Band 7 16QAM 15MHz CH-Low, 100%RB



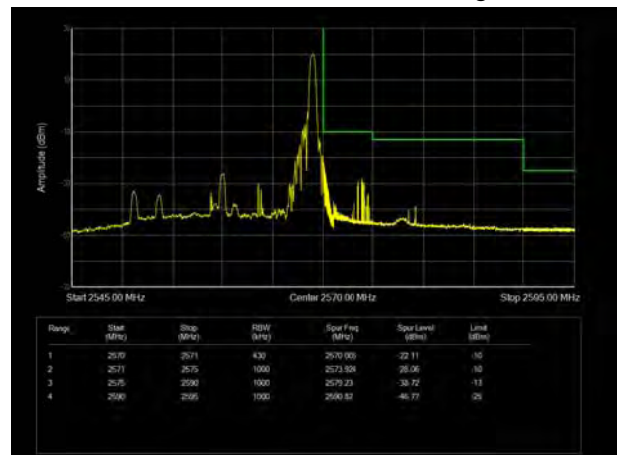
LTE Band 7 16QAM 15MHz CH-High, 100%RB



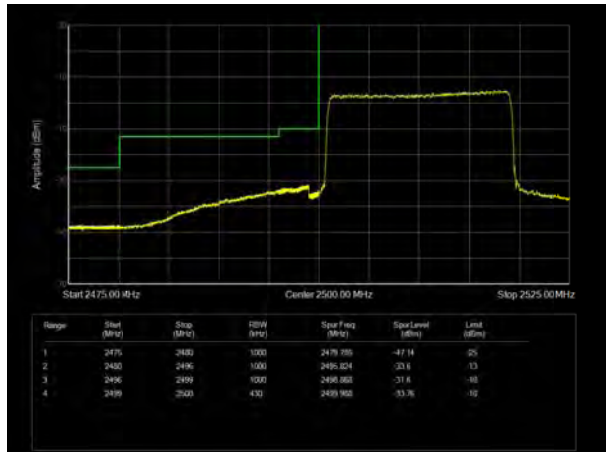
LTE Band 7 16QAM 20MHz CH-Low, 1 RB



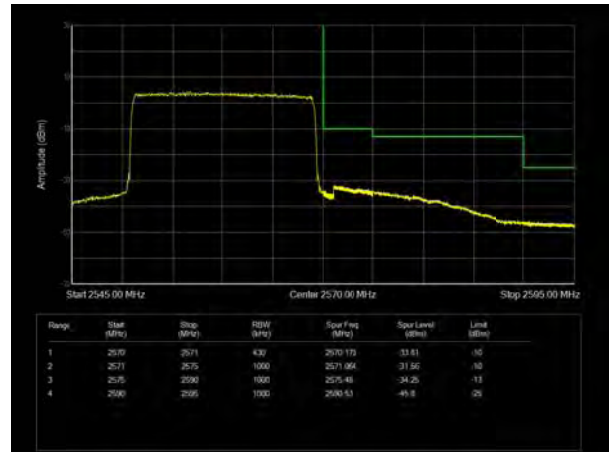
LTE Band 7 16QAM 20MHz CH-High, 1 RB



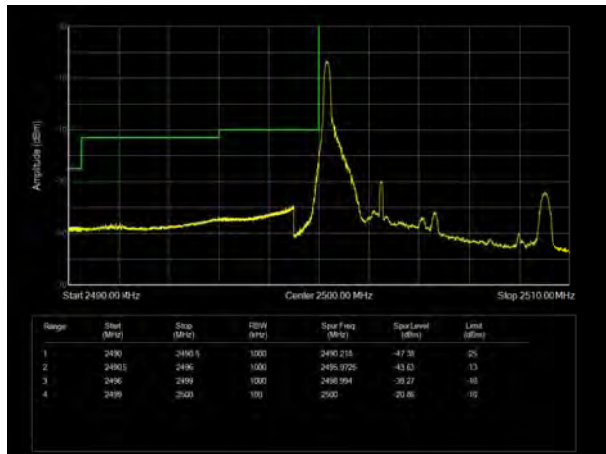
LTE Band 7 16QAM 20MHz CH-Low, 100%RB



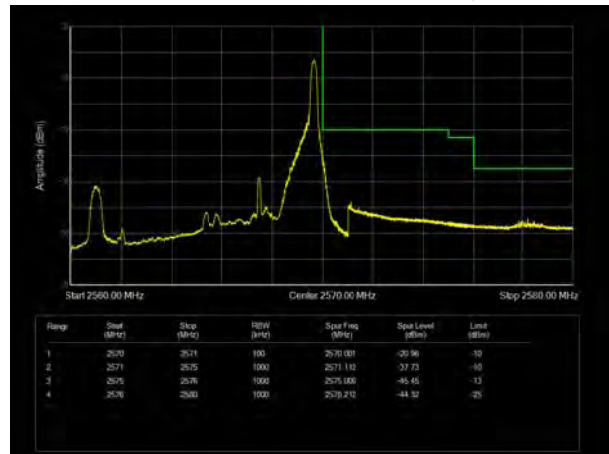
LTE Band 7 16QAM 20MHz CH-High, 100%RB



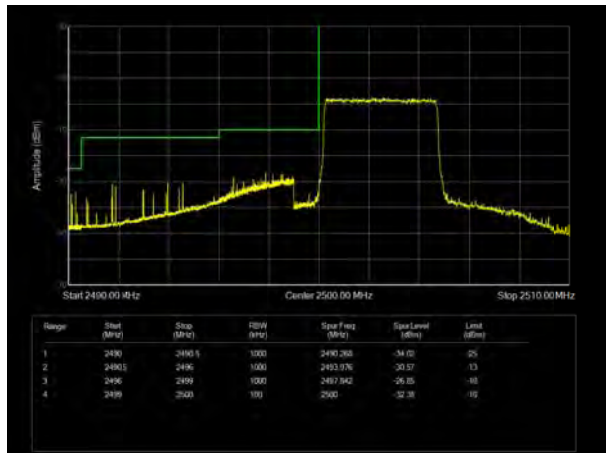
LTE Band 7 64QAM 5MHz CH-Low, 1 RB



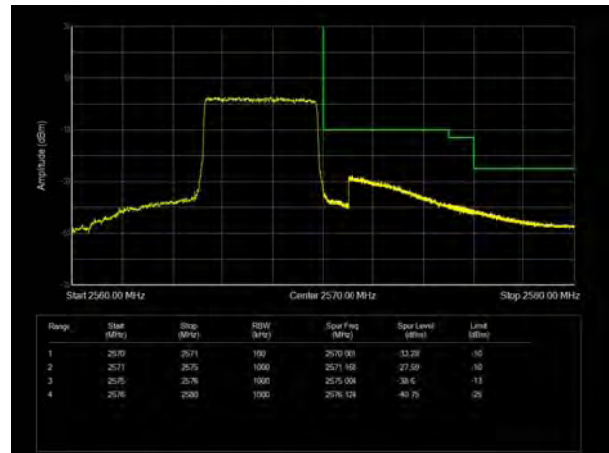
LTE Band 7 64QAM 5MHz CH-High, 1 RB



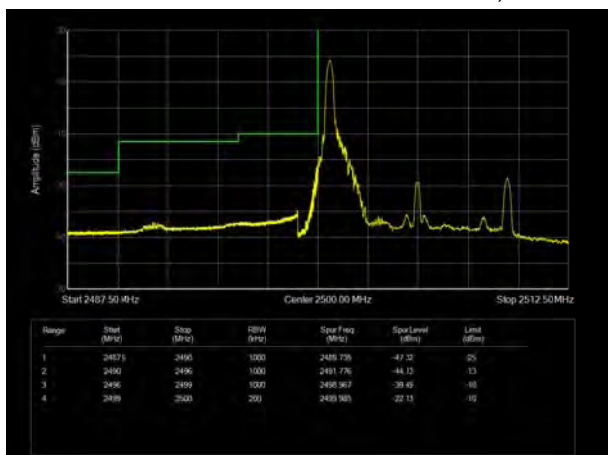
LTE Band 7 64QAM 5MHz CH-Low, 100%RB



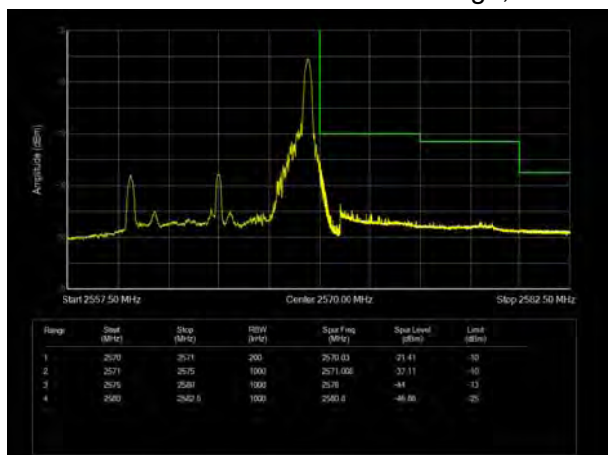
LTE Band 7 64QAM 5MHz CH-High, 100%RB



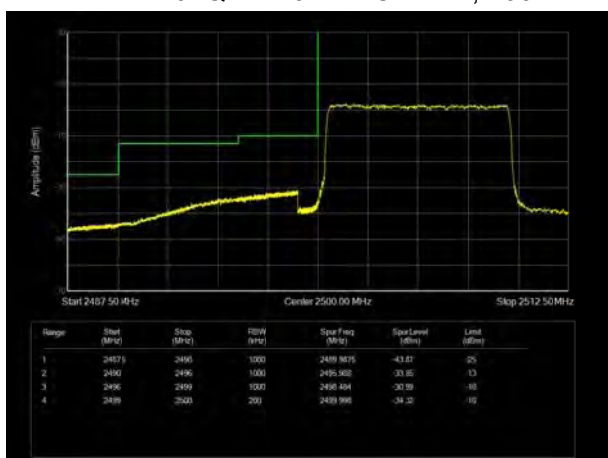
LTE Band 7 64QAM 10MHz CH-Low, 1 RB



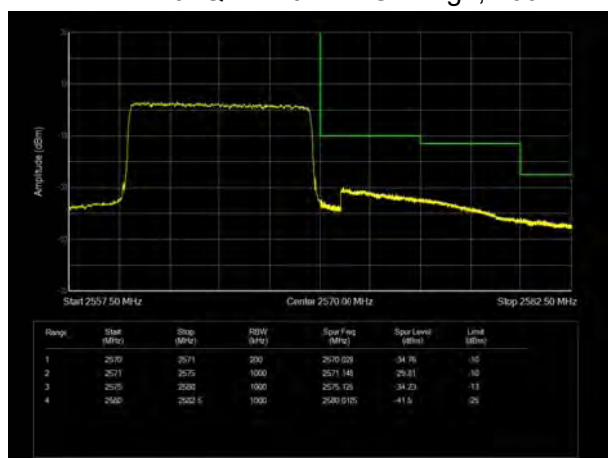
LTE Band 7 64QAM 10MHz CH-High, 1 RB



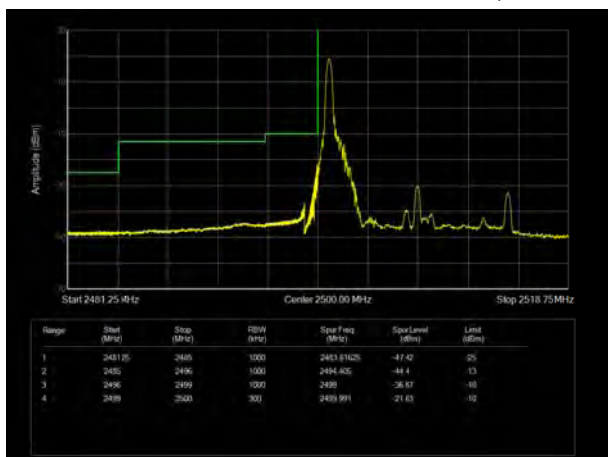
LTE Band 7 64QAM 10MHz CH-Low, 100%RB



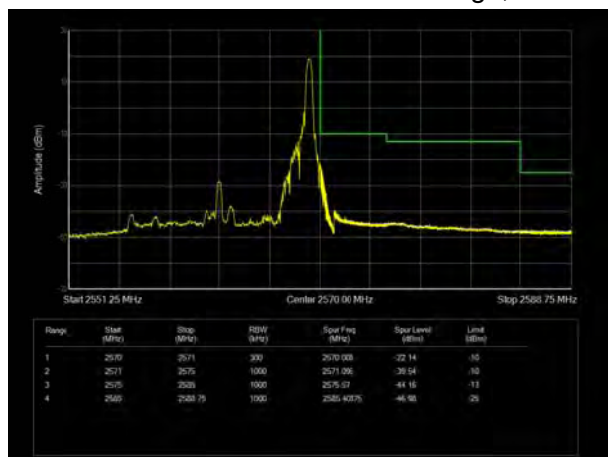
LTE Band 7 64QAM 10MHz CH-High, 100%RB



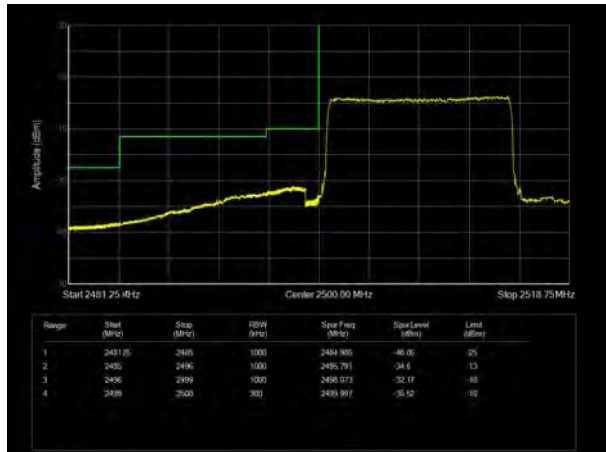
LTE Band 7 64QAM 15MHz CH-Low, 1 RB



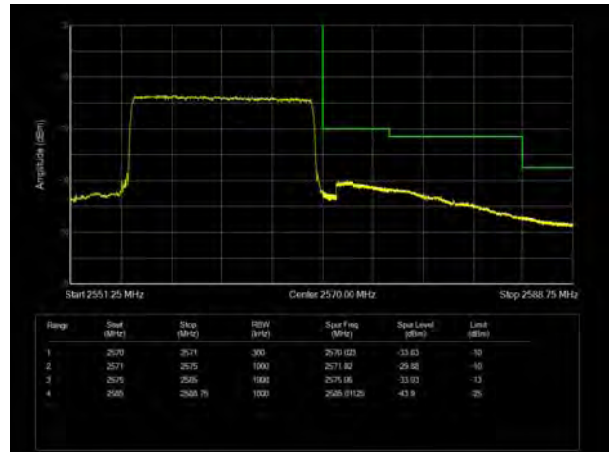
LTE Band 7 64QAM 15MHz CH-High, 1 RB



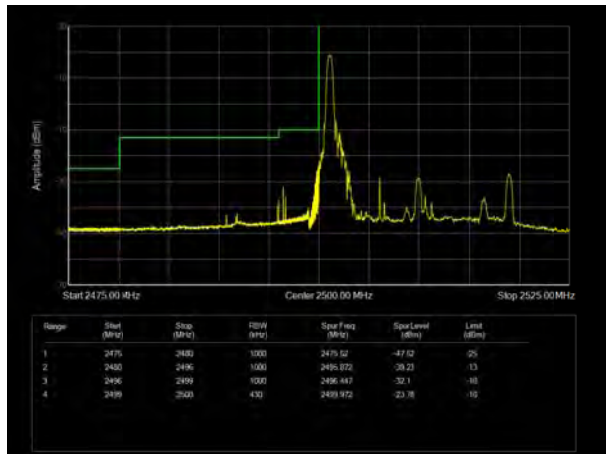
LTE Band 7 64QAM 15MHz CH-Low, 100%RB



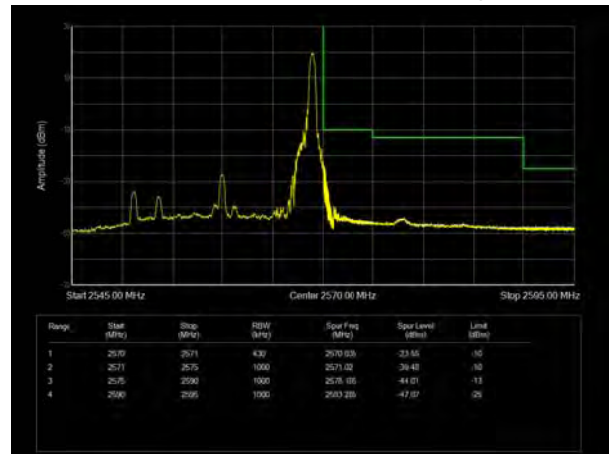
LTE Band 7 64QAM 15MHz CH-High, 100%RB



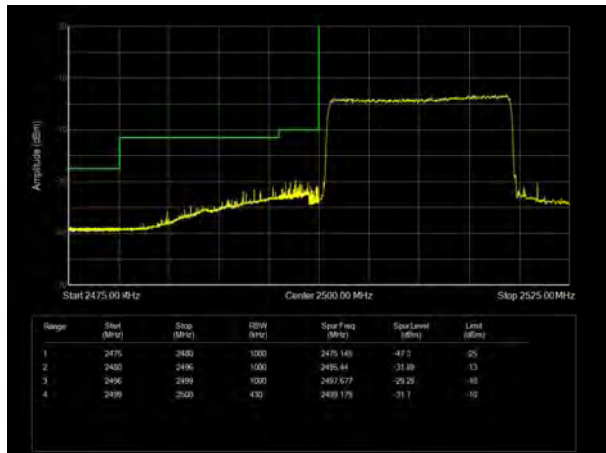
LTE Band 7 64QAM 20MHz CH-Low, 1 RB



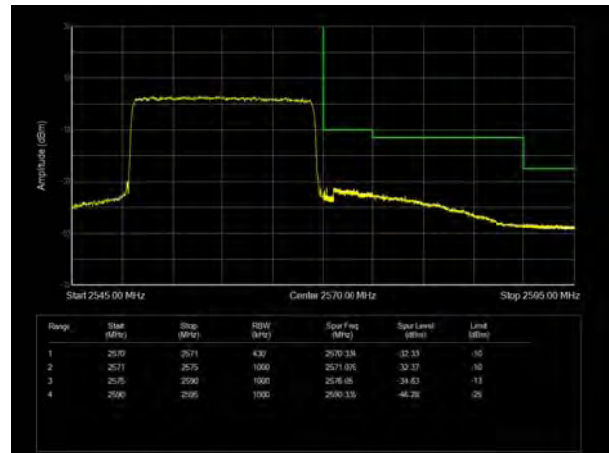
LTE Band 7 64QAM 20MHz CH-High, 1 RB



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

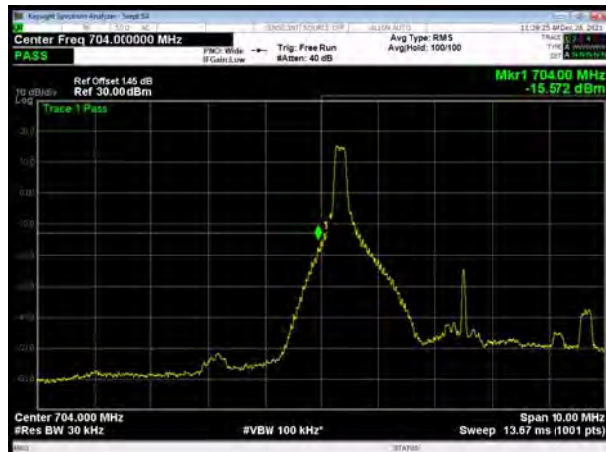


LTE Band 7 64QAM 20MHz CH-High, 100%RB

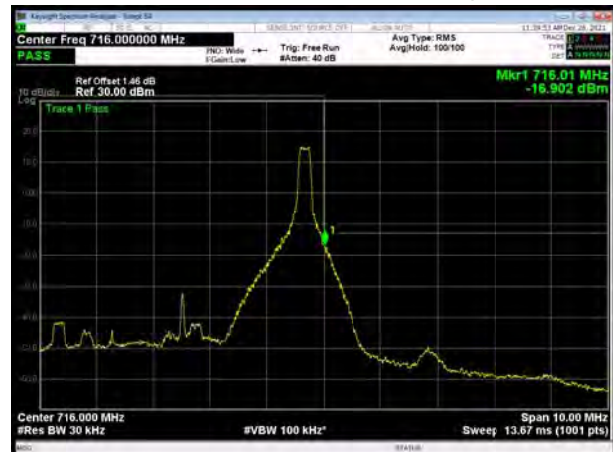




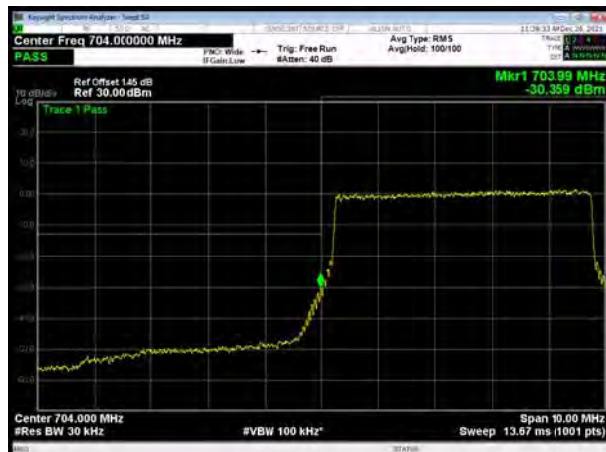
LTE Band 17 QPSK 5MHz CH-Low, 1 RB



LTE Band 17 QPSK 5MHz CH-High, 1 RB



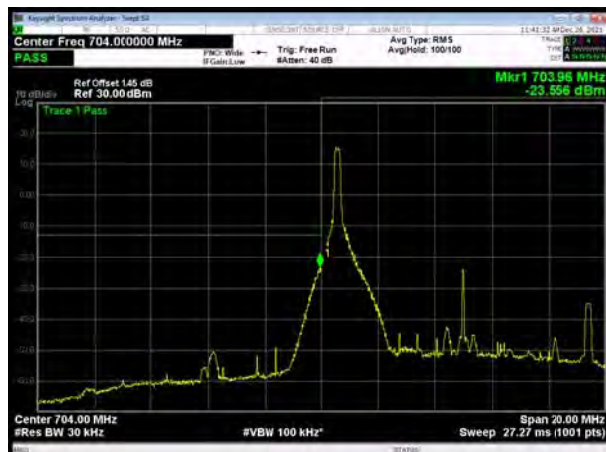
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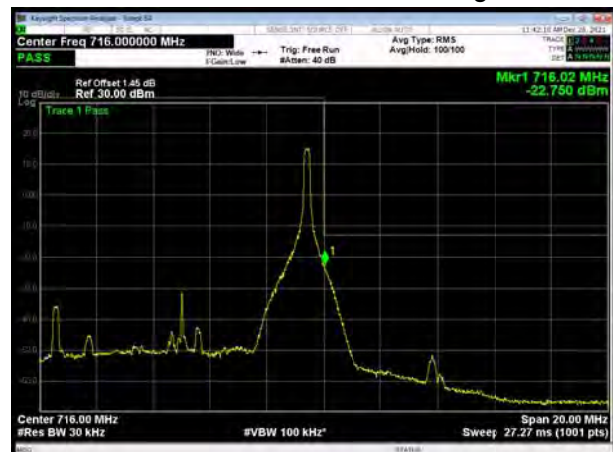
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LTE Band 17 QPSK 10MHz CH-Low, 1 RB

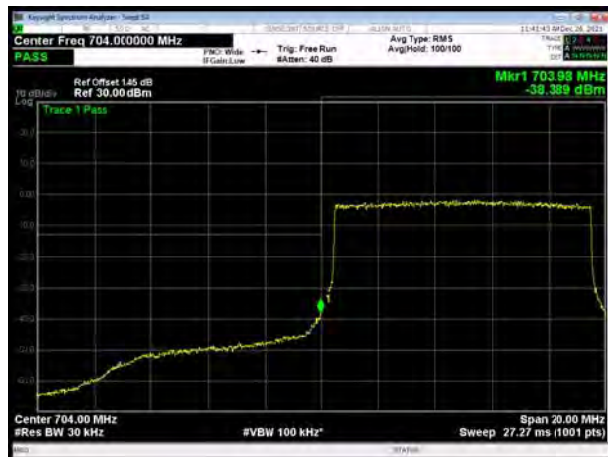


LTE Band 17 QPSK 10MHz CH-High, 1 RB





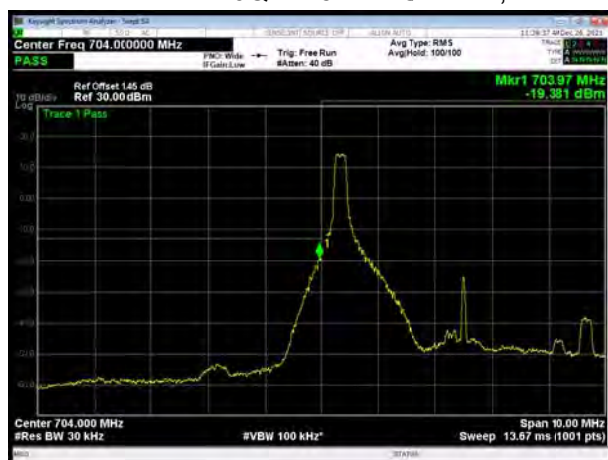
LTE Band 17 QPSK 10MHz CH-Low, 100%RB



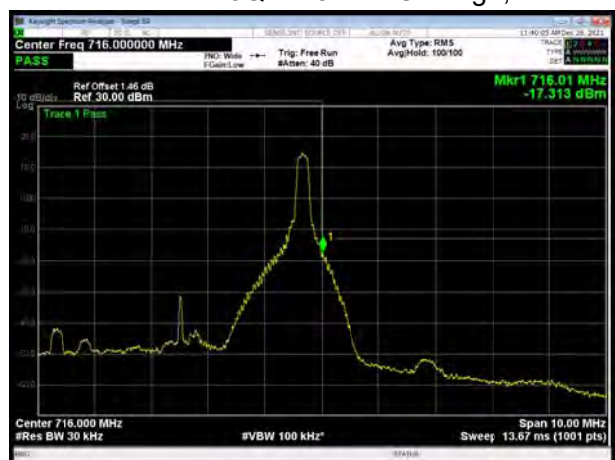
LTE Band 17 QPSK 10MHz CH-High, 100%RB



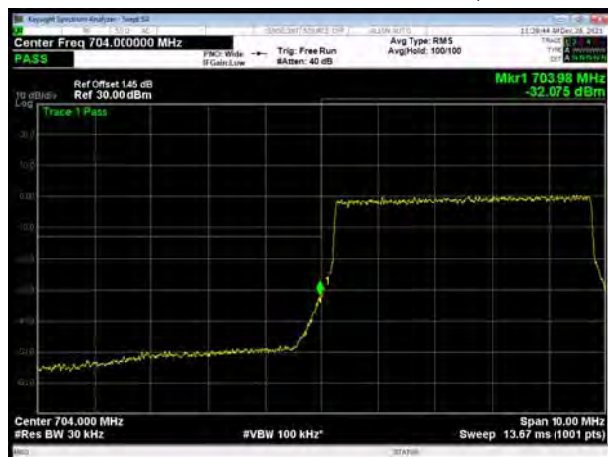
LTE Band 17 16QAM 5MHz CH-Low, 1 RB



LTE Band 17 16QAM 5MHz CH-High, 1 RB



LTE Band 17 16QAM 5MHz CH-Low, 100%RB



LTE Band 17 16QAM 5MHz CH-High, 100%RB

