



RF TEST REPORT

Applicant Honor Device Co., Ltd.
FCC ID 2AYGCANY-LX3
Product Smart Phone
Model ANY-LX3
Report No. R2202A0171-R3
Issue Date March 18, 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	4
1.1	Notes of the Test Report	4
1.2.	Test facility	4
1.3	Testing Location	4
2	General Description of Equipment under Test	5
2.1	Applicant and Manufacturer Information	5
2.2	General information	5
3	Applied Standards	8
4	Test Configuration	9
5	Test Case	12
5.1	RF Power Output and Effective Isotropic Radiated Power	12
5.2	Occupied Bandwidth	14
5.3	Band Edge Compliance	15
5.4	Peak-to-Average Power Ratio (PAPR)	17
5.5	Frequency Stability	18
5.6	Spurious Emissions at Antenna Terminals	19
5.7	Radiates Spurious Emission	21
6	Test Results	24
6.1	RF Power Output and Effective Isotropic Radiated Power	24
6.2	Occupied Bandwidth	36
6.3	Band Edge Compliance	89
6.4	Peak-to-Average Power Ratio (PAPR)	121
6.5	Frequency Stability	126
6.6	Spurious Emissions at Antenna Terminals	133
6.7	Radiates Spurious Emission	145
7	Main Test Instruments	159
	ANNEX A: The EUT Appearance	160
	ANNEX B: Test Setup Photos	161



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(b)(10) 27.50(h)(2)	PASS
2	Occupied Bandwidth	2.1049	PASS
3	Band Edge Compliance	27.53(h) 27.53(f) /27.53(c) 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(f) /27.53(c) 27.53(m)	PASS
7	Radiates Spurious Emission	2.1053 27.53(h) 27.53(f) /27.53(c) 27.53(m)	PASS

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

Date of Sample Received: February 28, 2022

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

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

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



1 Test Laboratory

1.1 Notes of the Test Report

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

1.2. Test facility

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

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

A2LA (Certificate Number: 3857.01)

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

1.3 Testing Location

Company: TA Technology (Shanghai) Co., Ltd.
Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China
City: Shanghai
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2 General Description of Equipment under Test

2.1 Applicant and Manufacturer Information

Applicant	Honor Device Co., Ltd.
Applicant address	Suite 3401, Unit A, Building 6, Shum Yip Sky Park, No. 8089, Hongli West Road, Xiangmihu Street, Futian District, Shenzhen, Guangdong 518040, People's Republic of China
Manufacturer	Honor Device Co., Ltd.
Manufacturer address	Suite 3401, Unit A, Building 6, Shum Yip Sky Park, No. 8089, Hongli West Road, Xiangmihu Street, Futian District, Shenzhen, Guangdong 518040, People's Republic of China

2.2 General information

EUT Description			
Model	ANY-LX3		
SN	AJDR012126000091		
Hardware Version	HL2ANYM		
Software Version	4.2.0.19(SP01 C900E11R1P1)		
Power Supply	Battery / AC adapter		
Antenna Type	Internal Antenna		
Antenna Gain	Band	Main Antenna	Second Antenna
	WCDMA Band IV	-2.3dBi	-1.4dBi
	LTE Band 4	-2.3dBi	-1.4dBi
	LTE Band 7	-0.6dBi	1.8dBi
	LTE Band 13	-5.0dBi	NA
	LTE Band 38	-0.1dBi	-0.1dBi
	LTE Band 66	-2.6dBi	-1.3dBi
Test Mode(s)	WCDMA Band IV; LTE Band 4/7/13/38/66;		
Test Modulation	(WCDMA) BPSK, QPSK, 16QAM; (LTE) QPSK, 16QAM;		
HSDPA UE Category	14		
HSUPA UE Category	6		
DC-HSDPA UE Category	24		
LTE Category	4		
Maximum E.I.R.P./ E.R.P.	WCDMA Band IV:	22.10dBm	
	LTE Band 4:	21.88dBm	
	LTE Band 7:	23.60dBm	



	LTE Band 13:	17.37dBm	
	LTE Band 38:	22.50dBm	
	LTE Band 66:	19.86dBm	
Rated Power Supply Voltage	3.87V		
Operating Voltage	3.6V ~ 4.45V		
Operating Temperature	Lowest: 0°C Highest: +35°C		
Testing Temperature	Lowest: 0°C Highest: +35°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 13	777 ~ 787	746 ~ 756
	LTE Band 38	2570 ~ 2620	2570 ~ 2620
	LTE Band 66	1710 ~ 1780	2110 ~ 2200
EUT Accessory			
Accessory	Model	Manufacture	No.
Adapter	HW-110600E00	Honor Device Co., Ltd. (Manufacturer: Astec)	1
	HW-110600B00	Honor Device Co., Ltd. (Manufacturer: Astec)	2
	HW-110600U00	Honor Device Co., Ltd. (Manufacturer: Astec)	3
	HN-110600E00	Honor Device Co., Ltd. (Manufacturer: Astec)	4
	HN-110600B00	Honor Device Co., Ltd. (Manufacturer: Astec)	5
	HN-110600U00	Honor Device Co., Ltd. (Manufacturer: Astec)	6
Battery	HB466596EFW	Honor Device Co., Ltd. (Manufacturer: Desay)	1
	HB466596EFW	Honor Device Co., Ltd. (Manufacturer: NVT)	2
	HB466596EFW	Honor Device Co., Ltd. (Manufacturer: SCUD)	3
Earphone	1293-3283-3.5mm-339	BOLUO COUNTY QUANCHENG ELECTRONIC CO.,LTD.	1
	EPAB542-2WH05-DH	FOXCONN INTERCONNECT TECHNOLOGY LIMITED	2
	MEND1532B528A11	Jiangxi Lianchuang Hongsheng Electronic Co., LTD.	3
USB Cable	L99UC139 - CS - H	Luxshare Precision Industry Co.,Ltd.	1



	213-01011-0	MING JI ELECTRONICS CO., LTD.	2
Earphone USB Type-C to 3.5mm Adapter Assembly	Model:USB042020090AW7		1
<p>Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.</p> <p>2. There is more than one Adapter / Battery //Earphone/USB cable, each one should be applied throughout the compliance test respectively, and however, only the worst case (Adapter 3/ Battery 3/ USB cable 2) will be recorded in this report.</p>			



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 (Z axis, horizontal polarization for WCDMA ; X axis, horizontal polarization for Main Antenna LTE Band; Z axis, vertical I polarization for Secod Antenna LTE Band) and the worst case was recorded.

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

Subsequently, only the worst case emissions are reported.

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

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

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

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



Test modes are chosen to be reported as the worst case configuration below for LTE Band

4/7/13/38/66:

Test items	Modes	Bandwidth (MHz)						Modulation		RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	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 13	-	-	O	O	-	-	O	O	O	O	O	O	O	O
	LTE 38	-	-	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 66	O	O	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 13	-	-	O	O	-	-	O	O	-	-	O	O	O	O
	LTE 38	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 66	O	O	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 13	-	-	O	O	-	-	O	O	O	-	O	O	-	O
	LTE 38	-	-	O	O	O	O	O	O	O	-	O	O	-	O
	LTE 66	O	O	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 13	-	-	O	O	-	-	O	O	-	-	O	O	O	O
	LTE 38	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 66	O	O	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 13	-	-	O	O	-	-	O	O	O	-	-	-	O	-
	LTE 38	-	-	O	O	O	O	O	O	O	-	-	-	O	-
	LTE 66	O	O	O	O	O	O	O	O	O	-	-	-	O	-
Spurious	LTE 4	O	O	O	O	O	O	O	-	O	-	-	O	O	O



Emissions at Antenna Terminals	LTE 7	-	-	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 13	-	-	O	O	-	-	O	-	O	-	-	O	O	O
	LTE 38	-	-	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 66	O	O	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 13	-	-	O	O	-	-	O	-	O	-	-	-	O	-
	LTE 38	-	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 66	O	-	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.

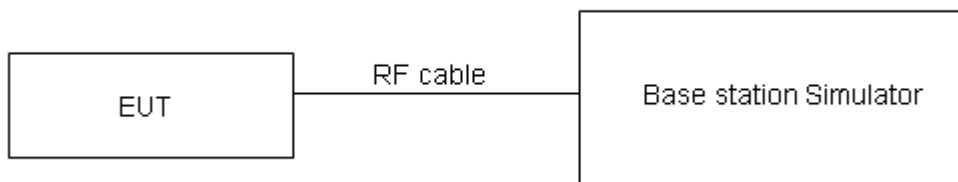
ERP can then be calculated as follows:

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

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(b) (10) specifies that “Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands 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(b)(10)Limit	≤ 3 W (34.77 dBm)
Part 27.50(d)(4)Limit	≤ 1 W (30 dBm)
Part 27.50(h)(2) Limit	≤ 2 W (33 dBm)



Measurement Uncertainty

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

Test Results

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

5.2 Occupied Bandwidth

Ambient condition

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

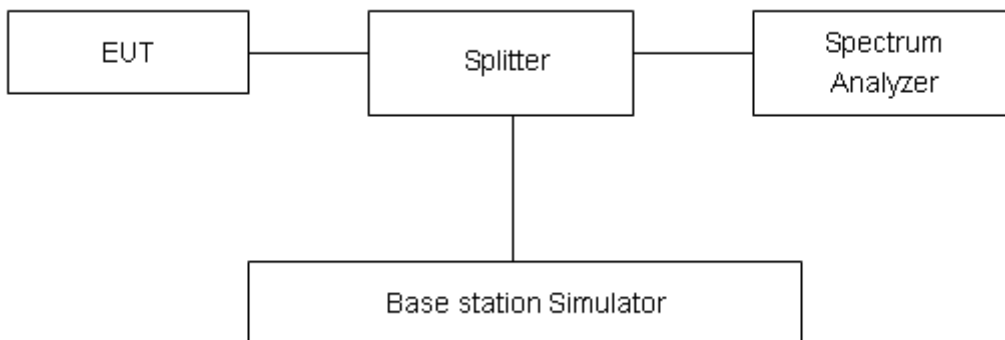
Method of Measurement

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

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

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

Test Setup



Limits

No specific occupied bandwidth requirements in part 2.1049.

Measurement Uncertainty

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

Test Results

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

5.3 Band Edge Compliance

Ambient condition

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

Method of Measurement

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

The testing follows KDB 971168 D01 v03r01 Section 6.0

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

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

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

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

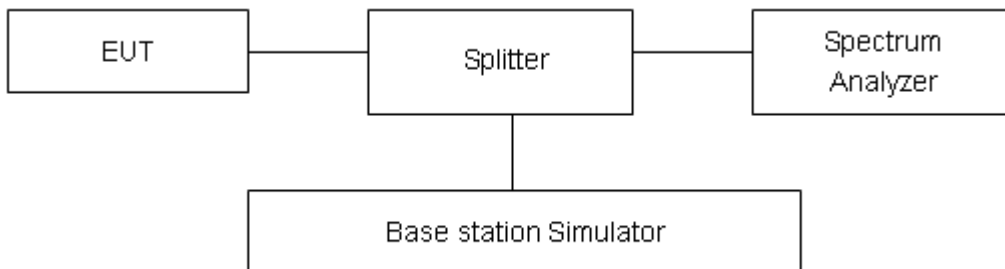
on spectrum analyzer.

Set spectrum analyzer with RMS detector.

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

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

Test Setup



Limits

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

Rule Part 27.53(m) (4)/ specifies that “for BRS and EBS stations. For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section. In addition, the attenuation factor



shall not be less 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)

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

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

Rule Part 27.53(f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

Rule Part 27.53 (c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;
- (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

Measurement Uncertainty

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

Test Results

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

5.4 Peak-to-Average Power Ratio (PAPR)

Ambient condition

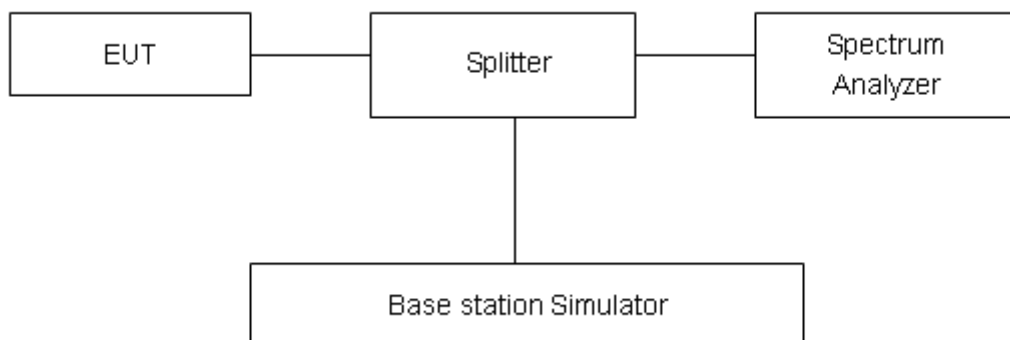
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

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

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

Test Setup



Limits

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

Measurement Uncertainty

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

Test Results

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

5.5 Frequency Stability

Ambient condition

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

Method of Measurement

Frequency Stability (Temperature Variation)

The temperature inside the climate chamber is varied from 0°C to +35°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 0°C to +35°C. Allow at least 1.5 hours at each temperature, un-powered, before making measurements.

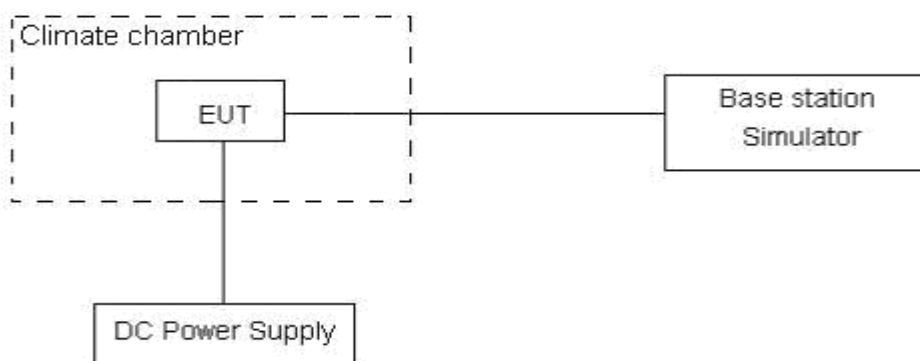
Frequency Stability (Voltage Variation)

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

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

This transceiver is specified to operate with an input voltage of between 3.6 V and 4.45 V, with a nominal voltage of 3.87V.

Test setup



Limits

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

Measurement Uncertainty

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

Test Results

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

5.6 Spurious Emissions at Antenna Terminals

Ambient condition

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

Method of Measurement

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

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

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

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

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

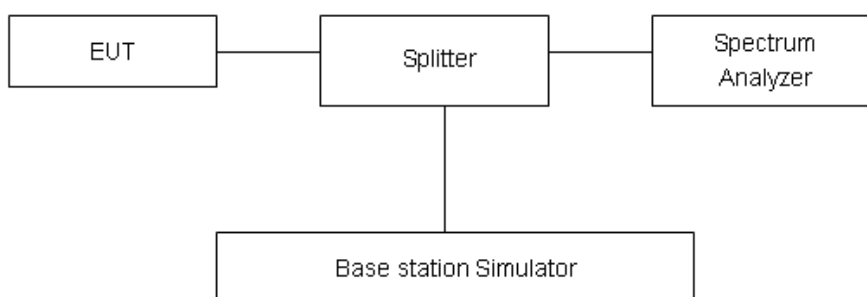
RBW is set to 100 kHz (30MHz~1000 MHz)

RBW is set to 1000 kHz (above 1000MHz)

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

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

Test setup



Limits

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

Rule Part 27.53(f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to –70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and –80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

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 (c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;
- (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

Part 27.53(h) Limit		-13 dBm
Part 27.53(f) Limit	Limit out of the band 1559-1610 MHz	-13 dBm
	Limit in the band 1559-1610 MHz	-40 dBm
Part 27.53(m) Limit		-25 dBm

Measurement Uncertainty

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

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

Test Results

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

5.7 Radiates Spurious Emission

Ambient condition

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

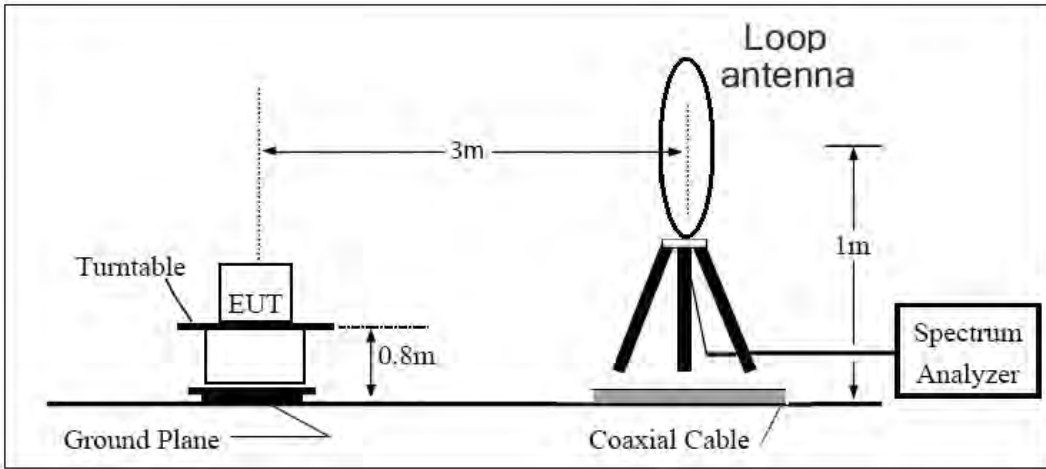
Method of Measurement

- The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI C63.26 (2015).
- Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H). Above 1GHz: (Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).
- A loop antenna, A log-periodic antenna or horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
- The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=100kHz, VBW=300kHz for 30MHz to 1GHz and RBW=1MHz, VBW=3MHz for above 1GHz, and the maximum value of the receiver should be recorded as (Pr).
- The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
- A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
- The measurement results are obtained as described below:
 $Power(EIRP)=PMea- PAg - Pcl + Ga$
 The measurement results are amend as described below:
 $Power(EIRP)=PMea- Pcl + Ga$
- This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP-2.15dB$.

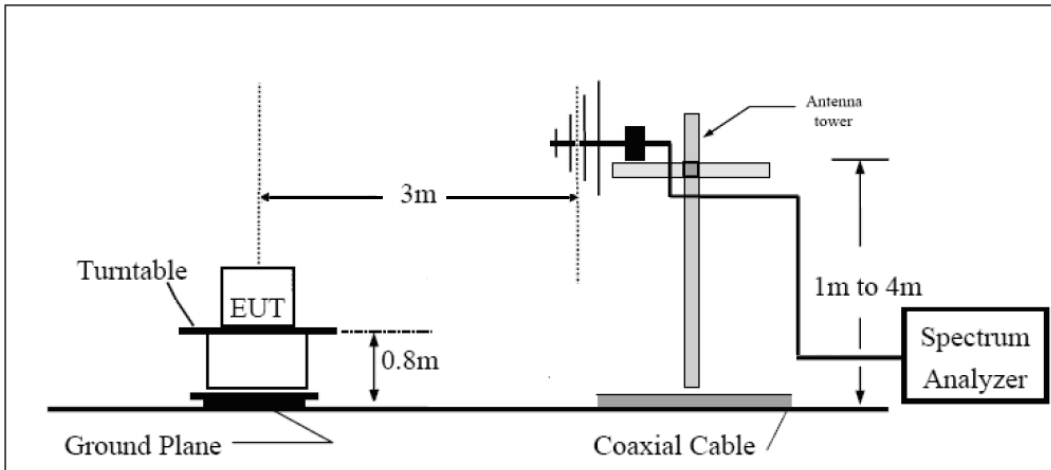
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup

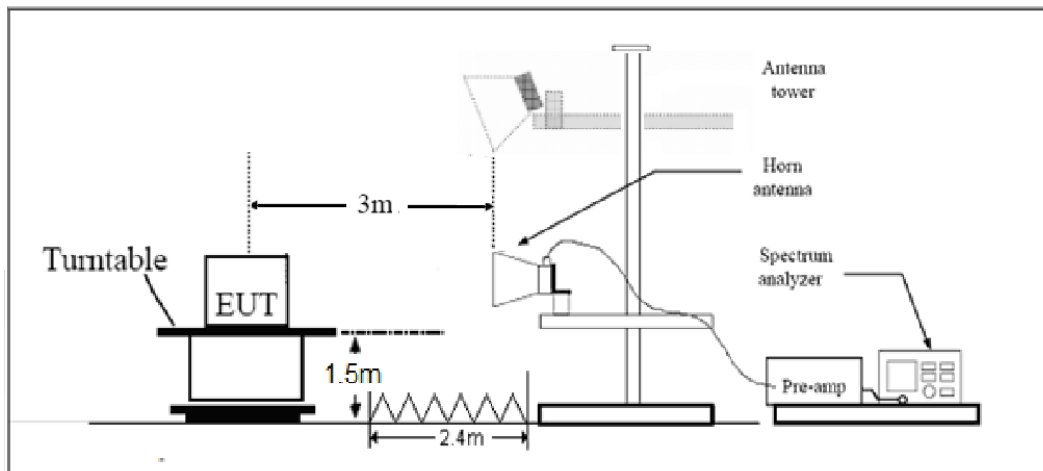
9KHz ~ 30MHz



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.

Rule Part 27.53(f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

Part 27.53 (c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;
- (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

Part 27.53(h) Limit		-13 dBm
Part 27.53(f) Limit	Limit out of the band 1559-1610 MHz	-13 dBm
	Limit in the band 1559-1610 MHz	-40 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)			Main Antenna EIRP (dBm)			Second Antenna EIRP (dBm)		
		Channel 1312	Channel 1413	Channel 1513	Channel 1312	Channel 1413	Channel 1513	Channel 1312	Channel 1413	Channel 1513
		1712.4 (MHz)	1732.6 (MHz)	1752.6 (MHz)	Channel 1312	Channel 1413	Channel 1513	Channel 1312	Channel 1413	Channel 1513
RMC		23.21	23.38	23.35	20.91	21.08	21.05	21.81	21.98	21.95
AMR		23.25	23.50	23.39	20.95	21.20	21.09	21.85	22.10	21.99
HSDPA	Sub - Test 1	22.57	22.54	22.49	20.27	20.24	20.19	21.17	21.14	21.09
	Sub - Test 2	22.25	22.64	22.39	19.95	20.34	20.09	20.85	21.24	20.99
	Sub - Test 3	21.77	22.20	21.89	19.47	19.90	19.59	20.37	20.80	20.49
	Sub - Test 4	21.83	22.12	21.93	19.53	19.82	19.63	20.43	20.72	20.53
HSUPA	Sub - Test 1	21.57	21.66	21.55	19.27	19.36	19.25	20.17	20.26	20.15
	Sub - Test 2	20.25	20.56	20.63	17.95	18.26	18.33	18.85	19.16	19.23
	Sub - Test 3	21.15	21.22	21.21	18.85	18.92	18.91	19.75	19.82	19.81
	Sub - Test 4	20.49	20.70	20.45	18.19	18.40	18.15	19.09	19.30	19.05
	Sub - Test 5	22.27	22.54	22.51	19.97	20.24	20.21	20.87	21.14	21.11
DC-HSDPA	Sub - Test 1	22.25	22.64	22.45	19.95	20.34	20.15	20.85	21.24	21.05
	Sub - Test 2	22.37	22.70	22.43	20.07	20.40	20.13	20.97	21.30	21.03
	Sub - Test 3	21.87	22.00	22.03	19.57	19.70	19.73	20.47	20.60	20.63
	Sub - Test 4	21.85	22.04	21.91	19.55	19.74	19.61	20.45	20.64	20.51

LTE Band 4				Maximum Output Power(dBm)			Main Antenna EIRP (dBm)			Second Antenna EIRP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				19957/1710.7	20175/1732.5	20393/1754.3	19957/1710.7	20175/1732.5	20393/1754.3	19957/1710.7	20175/1732.5	20393/1754.3
1.4MHz	QPSK	1	0	22.37	22.27	22.19	20.07	19.97	19.89	20.97	20.87	20.79
		1	2	22.24	22.09	21.98	19.94	19.79	19.68	20.84	20.69	20.58
		1	5	22.08	21.60	21.80	19.78	19.30	19.50	20.68	20.20	20.40
		3	0	23.22	23.28	23.23	20.92	20.98	20.93	21.82	21.88	21.83



		3	2	23.02	22.96	22.93	20.72	20.66	20.63	21.62	21.56	21.53
		3	3	23.15	22.96	22.93	20.85	20.66	20.63	21.75	21.56	21.53
		6	0	22.23	22.13	22.12	19.93	19.83	19.82	20.83	20.73	20.72
	16QAM	1	0	22.50	22.60	22.62	20.20	20.30	20.32	21.10	21.20	21.22
		1	2	22.48	22.38	22.18	20.18	20.08	19.88	21.08	20.98	20.78
		1	5	22.23	22.03	22.21	19.93	19.73	19.91	20.83	20.63	20.81
		3	0	22.24	22.13	22.13	19.94	19.83	19.83	20.84	20.73	20.73
		3	2	22.06	21.93	21.99	19.76	19.63	19.69	20.66	20.53	20.59
		3	3	22.06	22.10	21.99	19.76	19.80	19.69	20.66	20.70	20.59
		6	0	21.06	21.04	21.03	18.76	18.74	18.73	19.66	19.64	19.63
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				19965/ 1711.5	20175/ 1732.5	20385/ 1753.5	19965/ 1711.5	20175/ 1732.5	20385/ 1753.5	19965/ 1711.5	20175/ 1732.5	20385/ 1753.5
3MHz	QPSK	1	0	22.36	22.29	22.18	20.06	19.99	19.88	20.96	20.89	20.78
		1	7	22.20	22.08	21.99	19.90	19.78	19.69	20.80	20.68	20.59
		1	14	22.08	21.60	21.80	19.78	19.30	19.50	20.68	20.20	20.40
		8	0	22.29	22.35	22.32	19.99	20.05	20.02	20.89	20.95	20.92
		8	4	22.12	22.02	22.00	19.82	19.72	19.70	20.72	20.62	20.60
		8	7	22.23	22.05	21.99	19.93	19.75	19.69	20.83	20.65	20.59
		15	0	22.23	22.16	22.13	19.93	19.86	19.83	20.83	20.76	20.73
	16QAM	1	0	22.50	22.58	22.62	20.20	20.28	20.32	21.10	21.18	21.22
		1	7	22.48	22.36	22.19	20.18	20.06	19.89	21.08	20.96	20.79
		1	14	22.22	22.05	22.20	19.92	19.75	19.90	20.82	20.65	20.80
		8	0	21.33	21.22	21.22	19.03	18.92	18.92	19.93	19.82	19.82
		8	4	21.14	21.01	21.07	18.84	18.71	18.77	19.74	19.61	19.67
		8	7	21.13	21.17	21.08	18.83	18.87	18.78	19.73	19.77	19.68
		15	0	21.07	21.04	21.01	18.77	18.74	18.71	19.67	19.64	19.61
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				19975/ 1712.5	20175/ 1732.5	20375/ 1752.5	19975/ 1712.5	20175/ 1732.5	20375/ 1752.5	19975/ 1712.5	20175/ 1732.5	20375/ 1752.5
5MHz	QPSK	1	0	22.39	22.31	22.22	20.09	20.01	19.92	20.99	20.91	20.82
		1	13	22.22	22.12	22.02	19.92	19.82	19.72	20.82	20.72	20.62
		1	24	22.11	21.65	21.84	19.81	19.35	19.54	20.71	20.25	20.44
		12	0	22.32	22.40	22.36	20.02	20.10	20.06	20.92	21.00	20.96
		12	6	22.14	22.06	22.05	19.84	19.76	19.75	20.74	20.66	20.65
		12	13	22.25	22.07	22.03	19.95	19.77	19.73	20.85	20.67	20.63
		25	0	22.23	22.17	22.15	19.93	19.87	19.85	20.83	20.77	20.75



BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20000/ 1715	20175/ 1732.5	20350/ 1750	20000/ 1715	20175/ 1732.5	20350/ 1750	20000/ 1715	20175/ 1732.5	20350/ 1750
10MHz	16QAM	1	0	22.53	22.62	22.65	20.23	20.32	20.35	21.13	21.22	21.25
		1	13	22.51	22.38	22.22	20.21	20.08	19.92	21.11	20.98	20.82
		1	24	22.25	22.07	22.24	19.95	19.77	19.94	20.85	20.67	20.84
		12	0	21.35	21.26	21.25	19.05	18.96	18.95	19.95	19.86	19.85
		12	6	21.17	21.06	21.11	18.87	18.76	18.81	19.77	19.66	19.71
		12	13	21.16	21.22	21.12	18.86	18.92	18.82	19.76	19.82	19.72
		25	0	21.09	21.08	21.06	18.79	18.78	18.76	19.69	19.68	19.66
10MHz	QPSK	1	0	22.38	22.30	22.21	20.08	20.00	19.91	20.98	20.90	20.81
		1	25	22.23	22.13	22.03	19.93	19.83	19.73	20.83	20.73	20.63
		1	49	22.10	21.64	21.83	19.80	19.34	19.53	20.70	20.24	20.43
		25	0	22.32	22.40	22.36	20.02	20.10	20.06	20.92	21.00	20.96
		25	13	22.15	22.07	22.04	19.85	19.77	19.74	20.75	20.67	20.64
		25	25	22.25	22.09	22.04	19.95	19.79	19.74	20.85	20.69	20.64
		50	0	22.27	22.18	22.17	19.97	19.88	19.87	20.87	20.78	20.77
	16QAM	1	0	22.52	22.61	22.64	20.22	20.31	20.34	21.12	21.21	21.24
		1	25	22.51	22.40	22.22	20.21	20.10	19.92	21.11	21.00	20.82
		1	49	22.25	22.07	22.23	19.95	19.77	19.93	20.85	20.67	20.83
		25	0	21.36	21.27	21.26	19.06	18.97	18.96	19.96	19.87	19.86
		25	13	21.16	21.05	21.10	18.86	18.75	18.80	19.76	19.65	19.70
		25	25	21.16	21.22	21.12	18.86	18.92	18.82	19.76	19.82	19.72
		50	0	21.10	21.09	21.05	18.80	18.79	18.75	19.70	19.69	19.65
15MHz	QPSK	1	0	22.37	22.26	22.19	20.07	19.96	19.89	20.97	20.86	20.79
		1	38	22.21	22.12	22.00	19.91	19.82	19.70	20.81	20.72	20.60
		1	74	22.07	21.59	21.79	19.77	19.29	19.49	20.67	20.19	20.39
		36	0	22.30	22.36	22.33	20.00	20.06	20.03	20.90	20.96	20.93
		36	18	22.12	22.02	22.00	19.82	19.72	19.70	20.72	20.62	20.60
		36	39	22.22	22.06	22.00	19.92	19.76	19.70	20.82	20.66	20.60
		75	0	22.25	22.14	22.12	19.95	19.84	19.82	20.85	20.74	20.72
	16QAM	1	0	22.47	22.59	22.62	20.17	20.29	20.32	21.07	21.19	21.22
		1	38	22.49	22.37	22.20	20.19	20.07	19.90	21.09	20.97	20.80
		1	74	22.22	22.03	22.20	19.92	19.73	19.90	20.82	20.63	20.80



BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20050/ 1720	20175/ 1732.5	20300/ 1745	20050/ 1720	20175/ 1732.5	20300/ 1745	20050/ 1720	20175/ 1732.5	20300/ 1745
		36	0	21.33	21.25	21.23	19.03	18.95	18.93	19.93	19.85	19.83
		36	18	21.13	21.00	21.06	18.83	18.70	18.76	19.73	19.60	19.66
		36	39	21.14	21.18	21.09	18.84	18.88	18.79	19.74	19.78	19.69
		75	0	21.07	21.04	21.01	18.77	18.74	18.71	19.67	19.64	19.61
20MHz	QPSK	1	0	22.34	22.22	22.16	20.04	19.92	19.86	20.94	20.82	20.76
		1	50	22.20	22.08	21.98	19.90	19.78	19.68	20.80	20.68	20.58
		1	99	22.05	21.58	21.76	19.75	19.28	19.46	20.65	20.18	20.36
		50	0	22.27	22.31	22.29	19.97	20.01	19.99	20.87	20.91	20.89
		50	25	22.10	21.98	21.97	19.80	19.68	19.67	20.70	20.58	20.57
		50	50	22.19	22.01	21.96	19.89	19.71	19.66	20.79	20.61	20.56
		100	0	22.22	22.09	22.08	19.92	19.79	19.78	20.82	20.69	20.68
	16QAM	1	0	22.34	22.55	22.57	20.04	20.25	20.27	20.94	21.15	21.17
		1	50	22.45	22.35	22.16	20.15	20.05	19.86	21.05	20.95	20.76
		1	99	22.20	22.00	22.18	19.90	19.70	19.88	20.80	20.60	20.78
		50	0	21.30	21.21	21.20	19.00	18.91	18.90	19.90	19.81	19.80
		50	25	21.10	20.98	21.03	18.80	18.68	18.73	19.70	19.58	19.63
		50	50	21.11	21.13	21.05	18.81	18.83	18.75	19.71	19.73	19.65
		100	0	21.05	21.00	20.98	18.75	18.70	18.68	19.65	19.60	19.58

LTE Band 7				Maximum Output Power(dBm)			Main Antenna EIRP (dBm)			Second Antenna EIRP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20775/ 2502.5	21100/ 2535	21425/ 2567.5	20775/ 2502.5	21100/ 2535	21425/ 2567.5	20775/ 2502.5	21100/ 2535	21425/ 2567.5
5MHz	QPSK	1	0	21.54	21.19	21.48	20.94	20.59	20.88	23.34	22.99	23.28
		1	13	21.77	21.52	21.21	21.17	20.92	20.61	23.57	23.32	23.01
		1	24	21.17	21.64	21.37	20.57	21.04	20.77	22.97	23.44	23.17
		12	0	20.61	20.41	20.41	20.01	19.81	19.81	22.41	22.21	22.21
		12	6	20.60	20.62	20.48	20.00	20.02	19.88	22.40	22.42	22.28
		12	13	20.40	20.66	20.55	19.80	20.06	19.95	22.20	22.46	22.35
		25	0	20.47	20.53	20.55	19.87	19.93	19.95	22.27	22.33	22.35
	16QAM	1	0	20.78	20.39	20.78	20.18	19.79	20.18	22.58	22.19	22.58
		1	13	20.76	20.76	20.77	20.16	20.16	20.17	22.56	22.56	22.57
		1	24	20.68	20.91	20.77	20.08	20.31	20.17	22.48	22.71	22.57



BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20800/ 2505	21100/ 2535	21400/ 2565	20800/ 2505	21100/ 2535	21400/ 2565	20800/ 2505	21100/ 2535	21400/ 2565
		12	0	19.62	19.37	19.41	19.02	18.77	18.81	21.42	21.17	21.21
		12	6	19.60	19.58	19.54	19.00	18.98	18.94	21.40	21.38	21.34
		12	13	19.29	19.63	19.71	18.69	19.03	19.11	21.09	21.43	21.51
		25	0	19.45	19.53	19.53	18.85	18.93	18.93	21.25	21.33	21.33
10MHz	QPSK	1	0	21.56	21.20	21.51	20.96	20.60	20.91	23.36	23.00	23.31
		1	25	21.80	21.57	21.25	21.20	20.97	20.65	23.60	23.37	23.05
		1	49	21.19	21.68	21.40	20.59	21.08	20.80	22.99	23.48	23.20
		25	0	20.64	20.46	20.45	20.04	19.86	19.85	22.44	22.26	22.25
		25	13	20.63	20.67	20.52	20.03	20.07	19.92	22.43	22.47	22.32
		25	25	20.42	20.70	20.60	19.82	20.10	20.00	22.22	22.50	22.40
		50	0	20.51	20.55	20.59	19.91	19.95	19.99	22.31	22.35	22.39
	16QAM	1	0	20.80	20.42	20.80	20.20	19.82	20.20	22.60	22.22	22.60
		1	25	20.79	20.80	20.80	20.19	20.20	20.20	22.59	22.60	22.60
		1	49	20.71	20.93	20.80	20.11	20.33	20.20	22.51	22.73	22.60
		25	0	19.65	19.42	19.45	19.05	18.82	18.85	21.45	21.22	21.25
		25	13	19.62	19.62	19.57	19.02	19.02	18.97	21.42	21.42	21.37
		25	25	19.32	19.68	19.75	18.72	19.08	19.15	21.12	21.48	21.55
		50	0	19.48	19.58	19.57	18.88	18.98	18.97	21.28	21.38	21.37
15MHz	QPSK	1	0	21.55	21.16	21.49	20.95	20.56	20.89	23.35	22.96	23.29
		1	38	21.78	21.56	21.22	21.18	20.96	20.62	23.58	23.36	23.02
		1	74	21.16	21.63	21.36	20.56	21.03	20.76	22.96	23.43	23.16
		36	0	20.62	20.42	20.42	20.02	19.82	19.82	22.42	22.22	22.22
		36	18	20.60	20.62	20.48	20.00	20.02	19.88	22.40	22.42	22.28
		36	39	20.39	20.67	20.56	19.79	20.07	19.96	22.19	22.47	22.36
		75	0	20.49	20.51	20.54	19.89	19.91	19.94	22.29	22.31	22.34
	16QAM	1	0	20.75	20.40	20.78	20.15	19.80	20.18	22.55	22.20	22.58
		1	38	20.77	20.77	20.78	20.17	20.17	20.18	22.57	22.57	22.58
		1	74	20.68	20.89	20.77	20.08	20.29	20.17	22.48	22.69	22.57
		36	0	19.62	19.40	19.42	19.02	18.80	18.82	21.42	21.20	21.22
		36	18	19.59	19.57	19.53	18.99	18.97	18.93	21.39	21.37	21.33
		36	39	19.30	19.64	19.72	18.70	19.04	19.12	21.10	21.44	21.52
		36	39	19.30	19.64	19.72	18.70	19.04	19.12	21.10	21.44	21.52



BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20850/2510	21100/2535	21350/2560	20850/2510	21100/2535	21350/2560	20850/2510	21100/2535	21350/2560
				75	0	19.45	19.53	19.53	18.85	18.93	18.93	21.25
20MHz	QPSK	1	0	21.52	21.12	21.46	20.92	20.52	20.86	23.32	22.92	23.26
		1	50	21.77	21.52	21.20	21.17	20.92	20.60	23.57	23.32	23.00
		1	99	21.14	21.62	21.33	20.54	21.02	20.73	22.94	23.42	23.13
		50	0	20.59	20.37	20.38	19.99	19.77	19.78	22.39	22.17	22.18
		50	25	20.58	20.58	20.45	19.98	19.98	19.85	22.38	22.38	22.25
		50	50	20.36	20.62	20.52	19.76	20.02	19.92	22.16	22.42	22.32
		100	0	20.46	20.46	20.50	19.86	19.86	19.90	22.26	22.26	22.30
	16QAM	1	0	20.79	20.36	20.73	20.19	19.76	20.13	22.59	22.16	22.53
		1	50	20.73	20.75	20.74	20.13	20.15	20.14	22.53	22.55	22.54
		1	99	20.66	20.86	20.75	20.06	20.26	20.15	22.46	22.66	22.55
		50	0	19.59	19.36	19.39	18.99	18.76	18.79	21.39	21.16	21.19
		50	25	19.56	19.55	19.50	18.96	18.95	18.90	21.36	21.35	21.30
		50	50	19.27	19.59	19.68	18.67	18.99	19.08	21.07	21.39	21.48
		100	0	19.43	19.49	19.50	18.83	18.89	18.90	21.23	21.29	21.30

LTE Band 13				Maximum Output Power(dBm)			ERP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)					
				23205/779.5	23230/782	23255/784.5	23205/779.5	23230/782	23255/784.5
5MHz	QPSK	1	0	24.48	24.52	24.46	17.33	17.37	17.31
		1	13	24.50	24.51	24.46	17.35	17.36	17.31
		1	24	24.32	24.37	24.34	17.17	17.22	17.19
		12	0	23.48	23.52	23.45	16.33	16.37	16.30
		12	6	23.36	23.41	23.34	16.21	16.26	16.19
		12	13	23.33	23.36	23.32	16.18	16.21	16.17
		25	0	23.42	23.46	23.38	16.27	16.31	16.23
	16QAM	1	0	23.62	23.64	23.56	16.47	16.49	16.41
		1	13	23.53	23.56	23.54	16.38	16.41	16.39
		1	24	23.70	23.74	23.69	16.55	16.59	16.54
		12	0	22.48	22.50	22.47	15.33	15.35	15.32
		12	6	22.38	22.43	22.40	15.23	15.28	15.25
		12	13	22.38	22.42	22.35	15.23	15.27	15.20
		25	0	22.41	22.46	22.39	15.26	15.31	15.24



BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)					
				/	23230/782	/	/	23230/782	/
10MHz	QPSK	1	0	/	24.44	/	/	17.29	/
		1	25	/	24.46	/	/	17.31	/
		1	49	/	24.31	/	/	17.16	/
		25	0	/	23.43	/	/	16.28	/
		25	13	/	23.32	/	/	16.17	/
		25	25	/	23.28	/	/	16.13	/
		50	0	/	23.37	/	/	16.22	/
	16QAM	1	0	/	23.58	/	/	16.43	/
		1	25	/	23.51	/	/	16.36	/
		1	49	/	23.67	/	/	16.52	/
		25	0	/	22.44	/	/	15.29	/
		25	13	/	22.36	/	/	15.21	/
		25	25	/	22.33	/	/	15.18	/
		50	0	/	22.37	/	/	15.22	/

LTE Band 38				Maximum Output Power(dBm)			Main Antenna EIRP (dBm)			Second Antenna EIRP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				37775/2572.5	38000/2595	38225/2617.5	37775/2572.5	38000/2595	38225/2617.5	37775/2572.5	38000/2595	38225/2617.5
5MHz	QPSK	1	0	21.98	22.28	22.36	21.88	22.18	22.26	21.88	22.18	22.26
		1	13	21.96	22.45	22.56	21.86	22.35	22.46	21.86	22.35	22.46
		1	24	22.22	22.45	22.54	22.12	22.35	22.44	22.12	22.35	22.44
		12	0	21.19	21.43	21.50	21.09	21.33	21.40	21.09	21.33	21.40
		12	6	21.17	21.47	21.61	21.07	21.37	21.51	21.07	21.37	21.51
		12	13	21.21	21.46	21.65	21.11	21.36	21.55	21.11	21.36	21.55
		25	0	21.10	21.41	21.59	21.00	21.31	21.49	21.00	21.31	21.49
	16QAM	1	0	21.48	21.62	21.64	21.38	21.52	21.54	21.38	21.52	21.54
		1	13	21.46	21.67	21.84	21.36	21.57	21.74	21.36	21.57	21.74
		1	24	21.40	21.68	21.75	21.30	21.58	21.65	21.30	21.58	21.65
		12	0	20.21	20.42	20.54	20.11	20.32	20.44	20.11	20.32	20.44
		12	6	20.28	20.53	20.69	20.18	20.43	20.59	20.18	20.43	20.59
		12	13	20.25	20.49	20.69	20.15	20.39	20.59	20.15	20.39	20.59
		25	0	20.20	20.45	20.65	20.10	20.35	20.55	20.10	20.35	20.55
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								



BW	Modulation	RB size	RB offset	37800/	38000/	38200/	37800/	38000/	38200/	37800/	38000/	38200/
				2575	2595	2615	2575	2595	2615	2575	2595	2615
10MHz	QPSK	1	0	22.00	22.29	22.39	21.90	22.19	22.29	21.90	22.19	22.29
		1	25	21.99	22.50	22.60	21.89	22.40	22.50	21.89	22.40	22.50
		1	49	22.24	22.49	22.57	22.14	22.39	22.47	22.14	22.39	22.47
		25	0	21.22	21.48	21.54	21.12	21.38	21.44	21.12	21.38	21.44
		25	13	21.20	21.52	21.65	21.10	21.42	21.55	21.10	21.42	21.55
		25	25	21.23	21.50	21.70	21.13	21.40	21.60	21.13	21.40	21.60
		50	0	21.14	21.43	21.63	21.04	21.33	21.53	21.04	21.33	21.53
	16QAM	1	0	21.50	21.65	21.66	21.40	21.55	21.56	21.40	21.55	21.56
		1	25	21.49	21.71	21.87	21.39	21.61	21.77	21.39	21.61	21.77
		1	49	21.43	21.70	21.78	21.33	21.60	21.68	21.33	21.60	21.68
		25	0	20.24	20.47	20.58	20.14	20.37	20.48	20.14	20.37	20.48
		25	13	20.30	20.57	20.72	20.20	20.47	20.62	20.20	20.47	20.62
		25	25	20.28	20.54	20.73	20.18	20.44	20.63	20.18	20.44	20.63
		50	0	20.23	20.50	20.69	20.13	20.40	20.59	20.13	20.40	20.59
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				37825/	38000/	38175/	37825/	38000/	38175/	37825/	38000/	38175/
				2577.5	2595	2612.5	2577.5	2595	2612.5	2577.5	2595	2612.5
15MHz	QPSK	1	0	21.99	22.25	22.37	21.89	22.15	22.27	21.89	22.15	22.27
		1	38	21.97	22.49	22.57	21.87	22.39	22.47	21.87	22.39	22.47
		1	74	22.21	22.44	22.53	22.11	22.34	22.43	22.11	22.34	22.43
		36	0	21.20	21.44	21.51	21.10	21.34	21.41	21.10	21.34	21.41
		36	18	21.17	21.47	21.61	21.07	21.37	21.51	21.07	21.37	21.51
		36	39	21.20	21.47	21.66	21.10	21.37	21.56	21.10	21.37	21.56
		75	0	21.12	21.39	21.58	21.02	21.29	21.48	21.02	21.29	21.48
	16QAM	1	0	21.45	21.63	21.64	21.35	21.53	21.54	21.35	21.53	21.54
		1	38	21.47	21.68	21.85	21.37	21.58	21.75	21.37	21.58	21.75
		1	74	21.40	21.66	21.75	21.30	21.56	21.65	21.30	21.56	21.65
		36	0	20.21	20.45	20.55	20.11	20.35	20.45	20.11	20.35	20.45
		36	18	20.27	20.52	20.68	20.17	20.42	20.58	20.17	20.42	20.58
		36	39	20.26	20.50	20.70	20.16	20.40	20.60	20.16	20.40	20.60
		75	0	20.20	20.45	20.65	20.10	20.35	20.55	20.10	20.35	20.55
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				37850/	38000/	38150/	37850/	38000/	38150/	37850/	38000/	38150/
				2580	2595	2610	2580	2595	2610	2580	2595	2610
20MHz	QPSK	1	0	21.96	22.21	22.34	21.86	22.11	22.24	21.86	22.11	22.24
		1	50	21.96	22.45	22.55	21.86	22.35	22.45	21.86	22.35	22.45



16QAM	1	99	22.19	22.43	22.50	22.09	22.33	22.40	22.09	22.33	22.40
	50	0	21.17	21.39	21.47	21.07	21.29	21.37	21.07	21.29	21.37
	50	25	21.15	21.43	21.58	21.05	21.33	21.48	21.05	21.33	21.48
	50	50	21.17	21.42	21.62	21.07	21.32	21.52	21.07	21.32	21.52
	100	0	21.09	21.34	21.54	20.99	21.24	21.44	20.99	21.24	21.44
	1	0	21.25	21.59	21.59	21.15	21.49	21.49	21.15	21.49	21.49
	1	50	21.43	21.66	21.81	21.33	21.56	21.71	21.33	21.56	21.71
	1	99	21.38	21.63	21.73	21.28	21.53	21.63	21.28	21.53	21.63
	50	0	20.18	20.41	20.52	20.08	20.31	20.42	20.08	20.31	20.42
	50	25	20.24	20.50	20.65	20.14	20.40	20.55	20.14	20.40	20.55
	50	50	20.23	20.45	20.66	20.13	20.35	20.56	20.13	20.35	20.56
	100	0	20.18	20.41	20.62	20.08	20.31	20.52	20.08	20.31	20.52

LTE Band 66				Maximum Output Power(dBm)			Main Antenna EIRP (dBm)			Second Antenna EIRP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				131979/1710.7	132322/1745	132665/1779.3	131979/1710.7	132322/1745	132665/1779.3	131979/1710.7	132322/1745	132665/1779.3
1.4MHz	QPSK	1	0	20.50	20.51	20.69	17.90	17.91	18.09	19.20	19.21	19.39
		1	2	20.69	20.47	20.80	18.09	17.87	18.20	19.39	19.17	19.50
		1	5	20.85	20.66	20.57	18.25	18.06	17.97	19.55	19.36	19.27
		3	0	20.72	20.47	20.76	18.12	17.87	18.16	19.42	19.17	19.46
		3	2	20.58	20.39	20.74	17.98	17.79	18.14	19.28	19.09	19.44
		3	3	20.57	20.33	20.62	17.97	17.73	18.02	19.27	19.03	19.32
	16QAM	6	0	20.67	20.46	20.74	18.07	17.86	18.14	19.37	19.16	19.44
		1	0	20.69	20.76	21.03	18.09	18.16	18.43	19.39	19.46	19.73
		1	2	20.87	20.89	21.12	18.27	18.29	18.52	19.57	19.59	19.82
		1	5	21.01	20.92	20.47	18.41	18.32	17.87	19.71	19.62	19.17
		3	0	20.73	20.49	20.71	18.13	17.89	18.11	19.43	19.19	19.41
		3	2	20.66	20.43	20.66	18.06	17.83	18.06	19.36	19.13	19.36
		3	3	20.61	20.37	20.69	18.01	17.77	18.09	19.31	19.07	19.39
6	0	20.65	20.40	20.72	18.05	17.80	18.12	19.35	19.10	19.42		
3MHz	QPSK	1	0	20.52	20.55	20.72	17.92	17.95	18.12	19.22	19.25	19.42
1		7	20.69	20.49	20.84	18.09	17.89	18.24	19.39	19.19	19.54	
1		14	20.88	20.71	20.61	18.28	18.11	18.01	19.58	19.41	19.31	



		8	0	20.76	20.54	20.83	18.16	17.94	18.23	19.46	19.24	19.53	
		8	4	20.61	20.47	20.80	18.01	17.87	18.20	19.31	19.17	19.50	
		8	7	20.61	20.38	20.66	18.01	17.78	18.06	19.31	19.08	19.36	
		15	0	20.69	20.50	20.77	18.09	17.90	18.17	19.39	19.20	19.47	
	16QAM	1	0	20.72	20.78	21.06	18.12	18.18	18.46	19.42	19.48	19.76	
		1	7	20.90	20.91	21.16	18.30	18.31	18.56	19.60	19.61	19.86	
		1	14	21.03	20.96	20.50	18.43	18.36	17.90	19.73	19.66	19.20	
		8	0	20.78	20.53	20.74	18.18	17.93	18.14	19.48	19.23	19.44	
		8	4	20.71	20.50	20.72	18.11	17.90	18.12	19.41	19.20	19.42	
		8	7	20.65	20.43	20.76	18.05	17.83	18.16	19.35	19.13	19.46	
		15	0	20.68	20.44	20.75	18.08	17.84	18.15	19.38	19.14	19.45	
	BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
					131997/ 1712.5	132322/ 1745	132647/ 1777.5	131997/ 1712.5	132322/ 1745	132647/ 1777.5	131997/ 1712.5	132322/ 1745	132647/ 1777.5
5MHz	QPSK	1	0	20.49	20.53	20.68	17.89	17.93	18.08	19.19	19.23	19.38	
		1	13	20.67	20.45	20.81	18.07	17.85	18.21	19.37	19.15	19.51	
		1	24	20.85	20.66	20.57	18.25	18.06	17.97	19.55	19.36	19.27	
		12	0	20.73	20.49	20.79	18.13	17.89	18.19	19.43	19.19	19.49	
		12	6	20.59	20.43	20.75	17.99	17.83	18.15	19.29	19.13	19.45	
		12	13	20.59	20.36	20.62	17.99	17.76	18.02	19.29	19.06	19.32	
		25	0	20.67	20.49	20.75	18.07	17.89	18.15	19.37	19.19	19.45	
	16QAM	1	0	20.69	20.74	21.03	18.09	18.14	18.43	19.39	19.44	19.73	
		1	13	20.87	20.89	21.13	18.27	18.29	18.53	19.57	19.59	19.83	
		1	24	21.00	20.94	20.46	18.40	18.34	17.86	19.70	19.64	19.16	
		12	0	20.76	20.49	20.71	18.16	17.89	18.11	19.46	19.19	19.41	
		12	6	20.68	20.45	20.68	18.08	17.85	18.08	19.38	19.15	19.38	
		12	13	20.62	20.38	20.72	18.02	17.78	18.12	19.32	19.08	19.42	
		25	0	20.66	20.40	20.70	18.06	17.80	18.10	19.36	19.10	19.40	
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)									
				132022/ 1715	132322/ 1745	132622/ 1775	132022/ 1715	132322/ 1745	132622/ 1775	132022/ 1715	132322/ 1745	132622/ 1775	
10MHz	QPSK	1	0	20.50	20.52	20.70	17.90	17.92	18.10	19.20	19.22	19.40	
		1	25	20.68	20.49	20.83	18.08	17.89	18.23	19.38	19.19	19.53	
		1	49	20.86	20.68	20.59	18.26	18.08	17.99	19.56	19.38	19.29	
		25	0	20.74	20.53	20.81	18.14	17.93	18.21	19.44	19.23	19.51	
		25	13	20.61	20.46	20.78	18.01	17.86	18.18	19.31	19.16	19.48	
		25	25	20.59	20.36	20.66	17.99	17.76	18.06	19.29	19.06	19.36	



BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				132047/ 1717.5	132322/ 1745	132597/ 1772.5	132047/ 1717.5	132322/ 1745	132597/ 1772.5	132047/ 1717.5	132322/ 1745	132597/ 1772.5
	16QAM	50	0	20.67	20.50	20.76	18.07	17.90	18.16	19.37	19.20	19.46
		1	0	20.68	20.72	21.03	18.08	18.12	18.43	19.38	19.42	19.73
		1	25	20.89	20.92	21.11	18.29	18.32	18.51	19.59	19.62	19.81
		1	49	21.01	20.92	20.48	18.41	18.32	17.88	19.71	19.62	19.18
		25	0	20.74	20.53	20.72	18.14	17.93	18.12	19.44	19.23	19.42
		25	13	20.67	20.44	20.69	18.07	17.84	18.09	19.37	19.14	19.39
		25	25	20.64	20.42	20.71	18.04	17.82	18.11	19.34	19.12	19.41
		50	0	20.65	20.42	20.70	18.05	17.82	18.10	19.35	19.12	19.40
15MHz	QPSK	1	0	20.50	20.50	20.69	17.90	17.90	18.09	19.20	19.20	19.39
		1	38	20.68	20.49	20.82	18.08	17.89	18.22	19.38	19.19	19.52
		1	74	20.84	20.65	20.56	18.24	18.05	17.96	19.54	19.35	19.26
		36	0	20.74	20.50	20.80	18.14	17.90	18.20	19.44	19.20	19.50
		36	18	20.59	20.43	20.75	17.99	17.83	18.15	19.29	19.13	19.45
		36	39	20.58	20.37	20.63	17.98	17.77	18.03	19.28	19.07	19.33
		75	0	20.70	20.47	20.74	18.10	17.87	18.14	19.40	19.17	19.44
	16QAM	1	0	20.66	20.75	21.03	18.06	18.15	18.43	19.36	19.45	19.73
		1	38	20.88	20.90	21.14	18.28	18.30	18.54	19.58	19.60	19.84
		1	74	21.00	20.92	20.46	18.40	18.32	17.86	19.70	19.62	19.16
		36	0	20.76	20.52	20.72	18.16	17.92	18.12	19.46	19.22	19.42
		36	18	20.67	20.44	20.67	18.07	17.84	18.07	19.37	19.14	19.37
		36	39	20.63	20.39	20.73	18.03	17.79	18.13	19.33	19.09	19.43
		75	0	20.66	20.40	20.70	18.06	17.80	18.10	19.36	19.10	19.40
20MHz	QPSK	1	0	20.47	20.46	20.66	17.87	17.86	18.06	19.17	19.16	19.36
		1	50	20.67	20.45	20.80	18.07	17.85	18.20	19.37	19.15	19.50
		1	99	20.82	20.64	20.53	18.22	18.04	17.93	19.52	19.34	19.23
		50	0	20.71	20.45	20.76	18.11	17.85	18.16	19.41	19.15	19.46
		50	25	20.57	20.39	20.72	17.97	17.79	18.12	19.27	19.09	19.42
		50	50	20.55	20.32	20.59	17.95	17.72	17.99	19.25	19.02	19.29
		100	0	20.67	20.42	20.70	18.07	17.82	18.10	19.37	19.12	19.40
	16QAM	1	0	20.64	20.71	20.98	18.04	18.11	18.38	19.34	19.41	19.68
		1	50	20.84	20.88	21.10	18.24	18.28	18.50	19.54	19.58	19.80



		1	99	20.98	20.89	20.44	18.38	18.29	17.84	19.68	19.59	19.14
		50	0	20.73	20.48	20.69	18.13	17.88	18.09	19.43	19.18	19.39
		50	25	20.64	20.42	20.64	18.04	17.82	18.04	19.34	19.12	19.34
		50	50	20.60	20.34	20.69	18.00	17.74	18.09	19.30	19.04	19.39
		100	0	20.64	20.36	20.67	18.04	17.76	18.07	19.34	19.06	19.37



6.2 Occupied Bandwidth

Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth(MHz)
WCDMA Band IV (RMC)	1312	1712.4	4.131	4.678
	1413	1732.6	4.138	4.684
	1513	1752.6	4.129	4.686

LTE Band 4						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
1	QPSK	1.4	19957	1710.7	0.264	0.397
			20175	1732.5	0.263	0.392
			20393	1754.3	0.268	0.394
		3	19965	1711.5	0.342	0.481
			20175	1732.5	0.336	0.489
			20385	1753.5	0.337	0.467
		5	19975	1712.5	0.461	0.665
			20175	1732.5	0.445	0.676
			20375	1752.5	0.462	0.661
		10	20000	1715	0.719	0.985
			20175	1732.5	0.689	0.919
			20350	1750	0.683	0.977
		15	20025	1717.5	1.034	1.486
			20175	1732.5	1.013	1.403
			20325	1747.5	1.029	1.503
		20	20050	1720	1.382	1.899
			20175	1732.5	1.349	1.905
			20300	1745	1.276	1.940
	16QAM	1.4	19957	1710.7	0.269	0.393
			20175	1732.5	0.283	0.401
			20393	1754.3	0.268	0.409
		3	19965	1711.5	0.339	0.460
			20175	1732.5	0.320	0.464
			20385	1753.5	0.324	0.470
5		19975	1712.5	0.493	0.705	
		20175	1732.5	0.474	0.685	
		20375	1752.5	0.467	0.639	
10		20000	1715	0.705	0.998	



			20175	1732.5	0.697	0.937	
			20350	1750	0.711	0.946	
			20025	1717.5	1.089	1.543	
		15	20175	1732.5	1.028	1.449	
			20325	1747.5	1.072	1.494	
			20050	1720	1.339	2.010	
		20	20175	1732.5	1.415	1.814	
			20300	1745	1.328	1.858	
			19957	1710.7	1.097	1.324	
100%	QPSK	1.4	20175	1732.5	1.093	1.292	
			20393	1754.3	1.096	1.315	
			19965	1711.5	2.703	2.999	
		3	20175	1732.5	2.702	2.993	
			20385	1753.5	2.694	2.990	
			19975	1712.5	4.516	4.987	
		5	20175	1732.5	4.506	4.998	
			20375	1752.5	4.518	5.004	
			20000	1715	8.974	9.792	
		10	20175	1732.5	8.969	9.832	
			20350	1750	8.996	9.787	
			20025	1717.5	13.431	14.599	
		15	20175	1732.5	13.436	14.577	
			20325	1747.5	13.441	14.482	
			20050	1720	17.997	19.466	
		20	20175	1732.5	17.868	19.352	
			20300	1745	17.935	19.393	
			19957	1710.7	1.101	1.285	
	16QAM	1.4	20175	1732.5	1.102	1.309	
			20393	1754.3	1.092	1.301	
			19965	1711.5	2.694	2.984	
			3	20175	1732.5	2.693	2.963
				20385	1753.5	2.701	3.019
				19975	1712.5	4.504	4.972
			5	20175	1732.5	4.521	4.988
				20375	1752.5	4.523	4.971
				20000	1715	8.975	9.716
10		20175	1732.5	8.967	9.825		
		20350	1750	8.982	9.762		
		20025	1717.5	13.433	14.556		
15		20175	1732.5	13.471	14.728		



	20	20325	1747.5	13.441	14.515
		20050	1720	17.965	19.614
		20175	1732.5	17.926	19.454
		20300	1745	17.893	19.291

LTE Band 7						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
1	QPSK	5	20775	2502.5	0.478	0.672
			21100	2535	0.496	0.678
			21425	2567.5	0.451	0.633
		10	20800	2505	0.629	0.906
			21100	2535	0.667	0.899
			21400	2565	0.682	0.961
		15	20825	2507.5	1.002	1.385
			21100	2535	1.014	1.426
			21375	2562.5	1.001	1.360
		20	20850	2510	1.296	1.899
			21100	2535	1.296	1.801
			21350	2560	1.344	1.920
	16QAM	5	20775	2502.5	0.469	0.640
			21100	2535	0.464	0.692
			21425	2567.5	0.453	0.648
		10	20800	2505	0.676	0.936
			21100	2535	0.666	0.938
			21400	2565	0.671	0.918
		15	20825	2507.5	0.991	1.325
			21100	2535	1.024	1.370
			21375	2562.5	0.968	1.339
		20	20850	2510	1.312	1.822
			21100	2535	1.234	1.796
			21350	2560	1.250	1.692
100%	QPSK	5	20775	2502.5	4.514	4.964
			21100	2535	4.509	4.992
			21425	2567.5	4.521	4.987
		10	20800	2505	8.979	9.885
			21100	2535	8.986	9.810
			21400	2565	8.973	9.758
		15	20825	2507.5	13.463	14.584



		20	21100	2535	13.462	14.669
			21375	2562.5	13.495	14.523
			20850	2510	17.896	19.360
		21100	2535	17.919	19.401	
		21350	2560	17.916	19.277	
		20775	2502.5	4.525	4.990	
	16QAM	5	21100	2535	4.519	5.009
			21425	2567.5	4.504	4.970
			20800	2505	8.993	9.841
		10	21100	2535	8.980	9.627
			21400	2565	8.965	9.743
			20825	2507.5	13.485	14.667
		15	21100	2535	13.460	14.587
			21375	2562.5	13.428	14.695
			20850	2510	17.916	19.413
		20	21100	2535	17.941	19.444
			21350	2560	17.934	19.438

LTE Band 13						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
1	QPSK	5	23205	779.5	0.492	0.683
			23230	782	0.508	0.732
			23255	784.5	0.472	0.677
	10	23230	782	0.720	0.992	
	16QAM	5	23205	779.5	0.448	0.683
			23230	782	0.467	0.681
			23255	784.5	0.467	0.658
10		23230	782	0.727	0.994	
100%	QPSK	5	23205	779.5	4.523	5.000
			23230	782	4.528	4.952
			23255	784.5	4.519	4.963
		10	23230	782	8.991	9.949
	16QAM	5	23205	779.5	4.509	5.032
			23230	782	4.502	4.978
			23255	784.5	4.520	4.976
		10	23230	782	9.017	9.746



LTE Band 38						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
1	QPSK	5	37775	2572.5	0.484	0.764
			38000	2595	0.483	0.682
			38225	2617.5	0.464	0.684
		10	37800	2575	0.705	1.126
			38000	2595	0.681	0.921
			38200	2615	0.642	0.871
		15	37825	2577.5	0.998	1.333
			38000	2595	1.014	1.471
			38175	2612.5	1.187	1.940
		20	37850	2580	1.249	1.912
			38000	2595	1.413	1.817
			38150	2610	1.276	1.915
	16QAM	5	37775	2572.5	0.471	0.643
			38000	2595	0.458	0.648
			38225	2617.5	0.446	0.606
		10	37800	2575	0.644	0.906
			38000	2595	0.623	0.834
			38200	2615	0.662	0.905
		15	37825	2577.5	0.984	1.494
			38000	2595	1.006	1.397
			38175	2612.5	1.033	1.636
		20	37850	2580	1.321	2.094
			38000	2595	1.342	1.905
			38150	2610	1.399	2.391
100%	QPSK	5	37775	2572.5	4.501	5.064
			38000	2595	4.523	5.022
			38225	2617.5	4.521	4.964
		10	37800	2575	8.999	9.702
			38000	2595	8.970	9.925
			38200	2615	8.980	9.752
		15	37825	2577.5	13.496	14.782
			38000	2595	13.451	14.490
			38175	2612.5	13.493	14.586
		20	37850	2580	17.975	19.142
			38000	2595	17.928	20.452
			38150	2610	17.939	19.446
	16QAM	5	37775	2572.5	4.503	4.921



			38000	2595	4.506	4.901	
			38225	2617.5	4.534	4.972	
			37800	2575	8.961	9.786	
		10		38000	2595	8.984	9.716
				38200	2615	8.973	10.110
				37825	2577.5	13.491	14.696
		15		38000	2595	13.456	14.645
				38175	2612.5	13.508	16.146
				37850	2580	17.941	19.485
		20		38000	2595	17.998	19.324
				38150	2610	17.961	20.184

LTE Band 66							
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)	
1	QPSK	1.4	131979	1710.7	0.272	0.425	
			132322	1745	0.266	0.404	
			132665	1779.3	0.270	0.422	
		3		131987	1711.5	0.344	0.519
				132322	1745	0.349	0.476
				132657	1778.5	0.342	0.479
		5		131997	1712.5	0.477	0.667
				132322	1745	0.483	0.669
				132647	1777.5	0.464	0.748
		10		132022	1715	0.722	0.945
				132322	1745	0.711	0.951
				132622	1775	0.714	0.992
		15		132047	1717.5	1.049	1.577
				132322	1745	1.072	1.568
				132597	1772.5	1.109	1.544
		20		132072	1720	1.386	1.984
				132322	1745	1.320	1.781
				132572	1770	1.324	1.843
	16QAM	1.4		131979	1710.7	0.278	0.421
				132322	1745	0.278	0.415
				132665	1779.3	0.273	0.398
3			131987	1711.5	0.339	0.480	
			132322	1745	0.343	0.472	
			132657	1778.5	0.325	0.474	



		5	131997	1712.5	0.482	0.689		
			132322	1745	0.471	0.671		
			132647	1777.5	0.476	0.679		
		10	132022	1715	0.718	0.972		
			132322	1745	0.671	0.983		
			132622	1775	0.702	1.013		
		15	132047	1717.5	1.131	1.640		
			132322	1745	1.033	1.431		
			132597	1772.5	1.070	1.649		
		20	132072	1720	1.358	1.926		
			132322	1745	1.388	1.934		
			132572	1770	1.427	1.991		
		100%	QPSK	1.4	131979	1710.7	1.099	1.318
					132322	1745	1.095	1.292
					132665	1779.3	1.100	1.299
3	131987			1711.5	2.706	2.998		
	132322			1745	2.699	2.979		
	132657			1778.5	2.707	2.975		
5	131997			1712.5	4.509	5.054		
	132322			1745	4.510	5.030		
	132647			1777.5	4.505	4.990		
10	132022			1715	8.999	9.928		
	132322			1745	8.973	9.851		
	132622			1775	9.008	9.871		
15	132047			1717.5	13.513	14.746		
	132322			1745	13.424	14.683		
	132597			1772.5	13.452	14.589		
20	132072			1720	18.038	19.383		
	132322			1745	17.925	19.398		
	132572			1770	17.971	19.472		
16QAM	1.4		131979	1710.7	1.100	1.314		
			132322	1745	1.098	1.288		
			132665	1779.3	1.096	1.295		
	3	131987	1711.5	2.708	2.996			
		132322	1745	2.693	2.953			
		132657	1778.5	2.705	2.996			
	5	131997	1712.5	4.524	4.988			
		132322	1745	4.530	4.991			
		132647	1777.5	4.520	5.036			
	10	132022	1715	8.987	9.780			



			132322	1745	8.971	9.799
			132622	1775	8.956	9.841
		15	132047	1717.5	13.470	14.642
			132322	1745	13.431	14.614
			132597	1772.5	13.475	14.526
		20	132072	1720	17.966	19.447
			132322	1745	17.936	19.410
			132572	1770	17.964	19.333



WCDMA Band IV CH-Low



WCDMA Band IV CH Middle



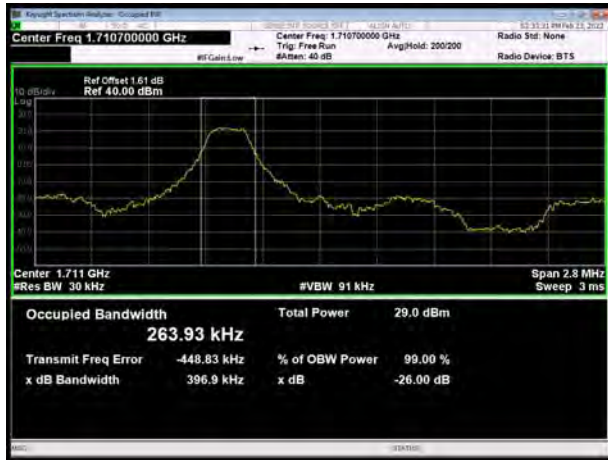
WCDMA Band IV CH High



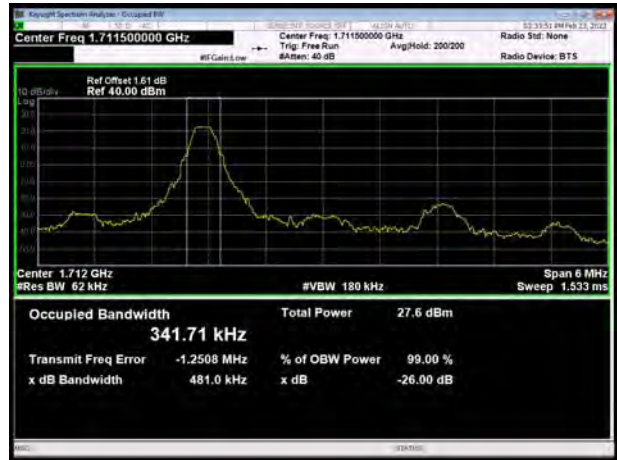


1 RB

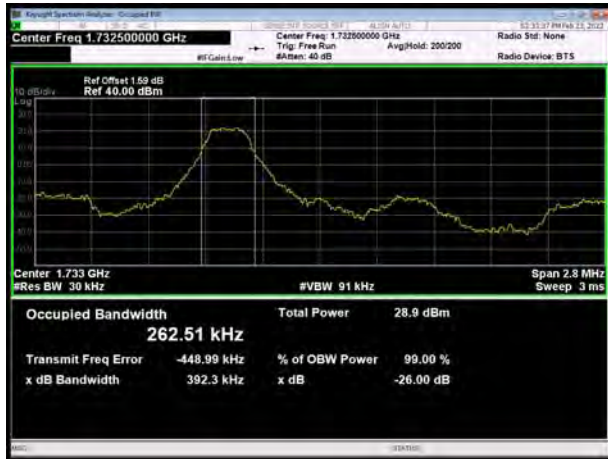
LTE Band 4 QPSK 1.4MHz CH-Low



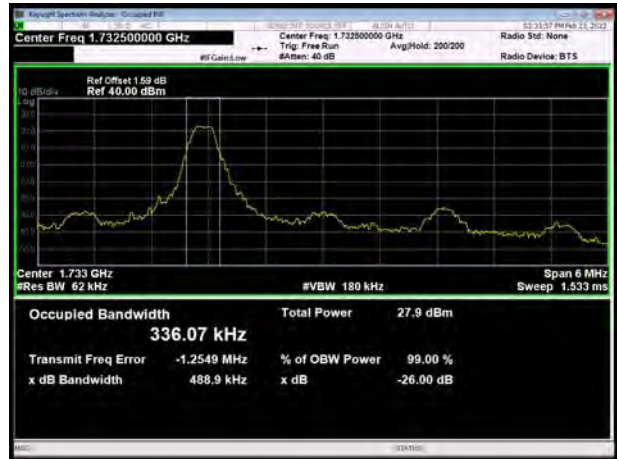
LTE Band 4 QPSK 3MHz CH-Low



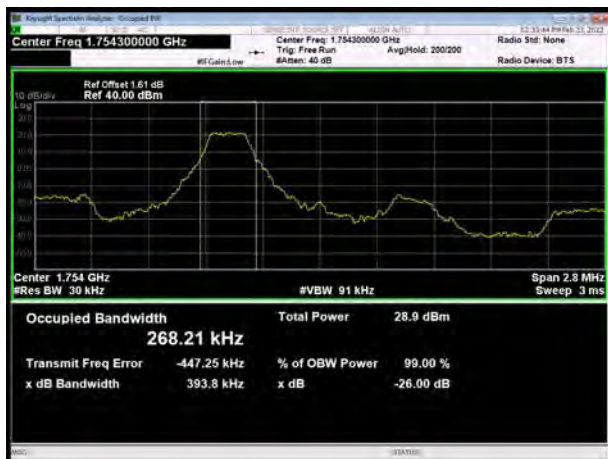
LTE Band 4 QPSK 1.4MHz CH-Middle



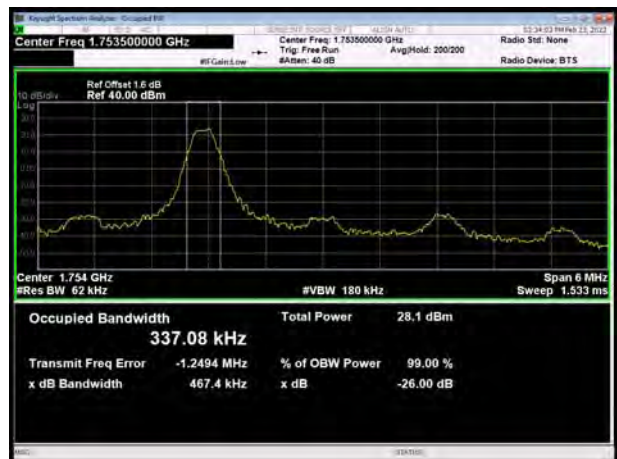
LTE Band 4 QPSK 3MHz CH-Middle



LTE Band 4 QPSK 1.4MHz CH-High

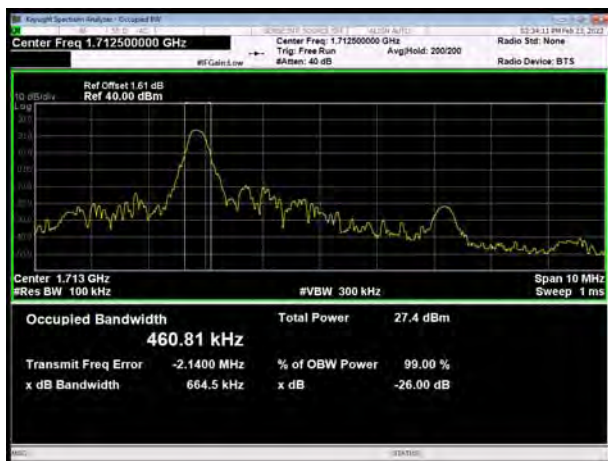


LTE Band 4 QPSK 3MHz CH-High

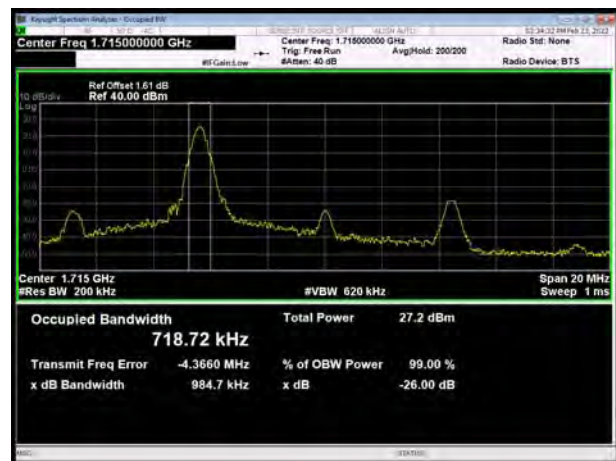




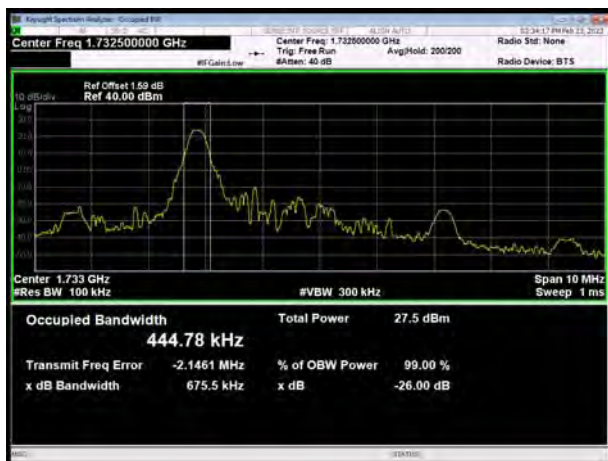
LTE Band 4 QPSK 5MHz CH-Low



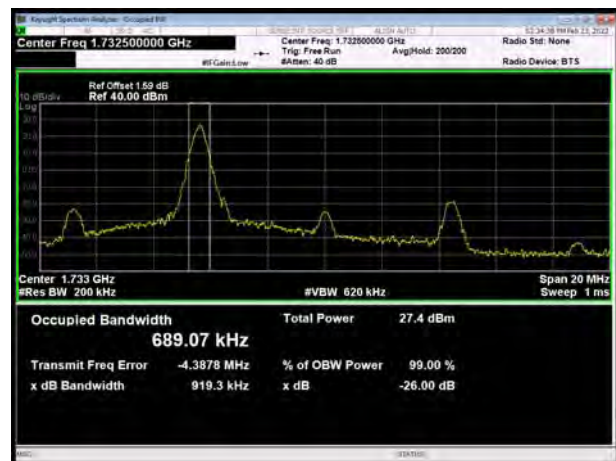
LTE Band 4 QPSK 10MHz CH-Low



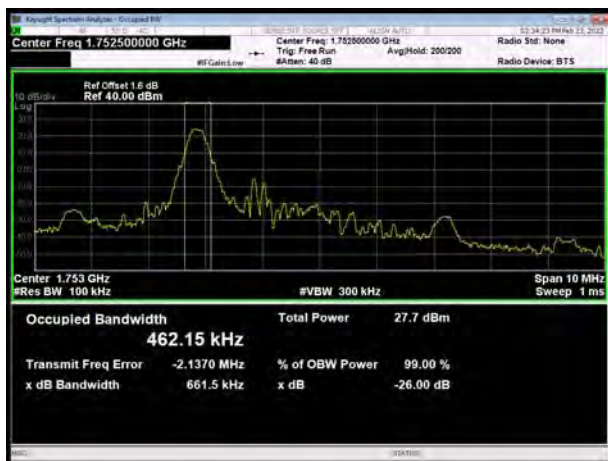
LTE Band 4 QPSK 5MHz CH-Middle



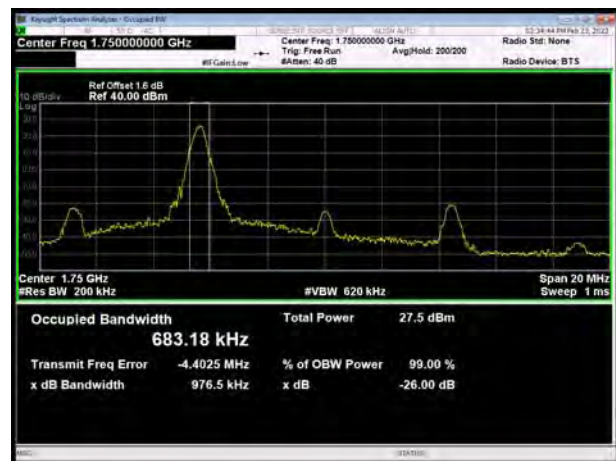
LTE Band 4 QPSK 10MHz CH-Middle



LTE Band 4 QPSK 5MHz CH-High

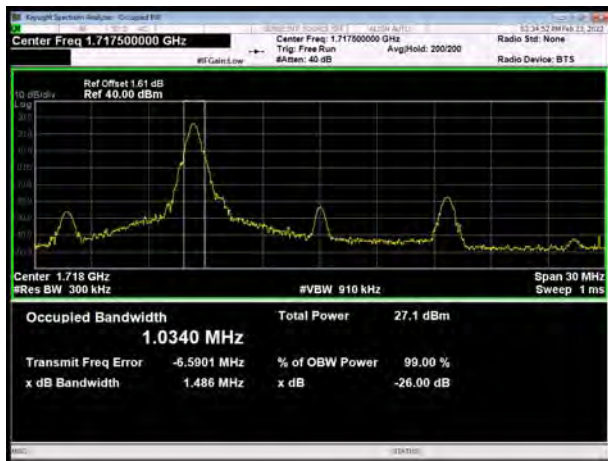


LTE Band 4 QPSK 10MHz CH-High

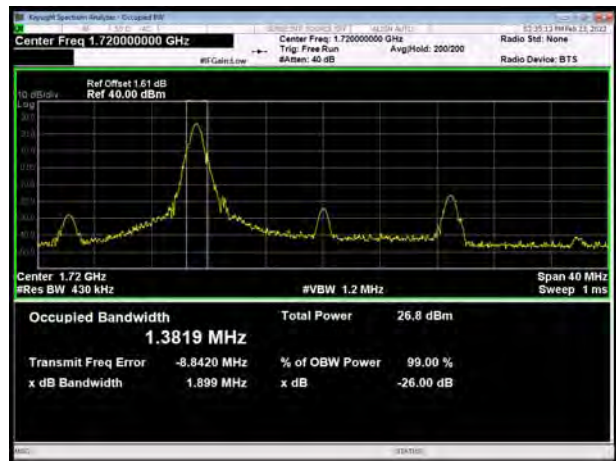




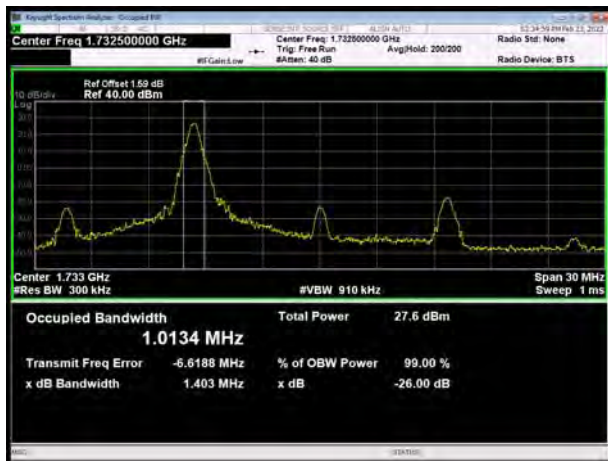
LTE Band 4 QPSK 15MHz CH-Low



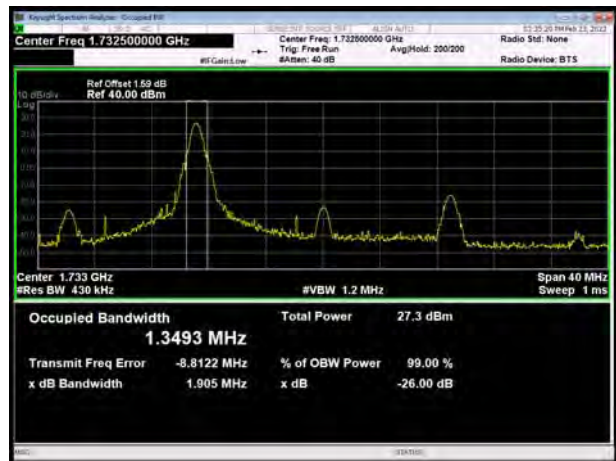
LTE Band 4 QPSK 20MHz CH-Low



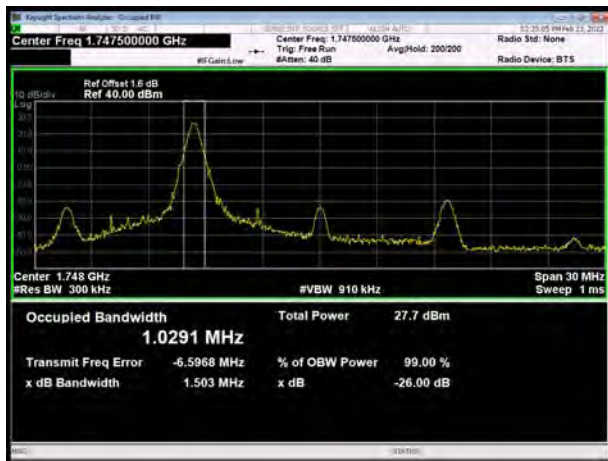
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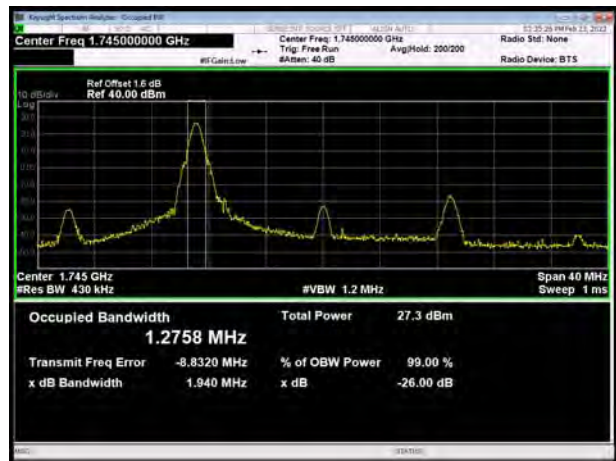
LTE Band 4 QPSK 20MHz CH-Middle



LTE Band 4 QPSK 15MHz CH-High

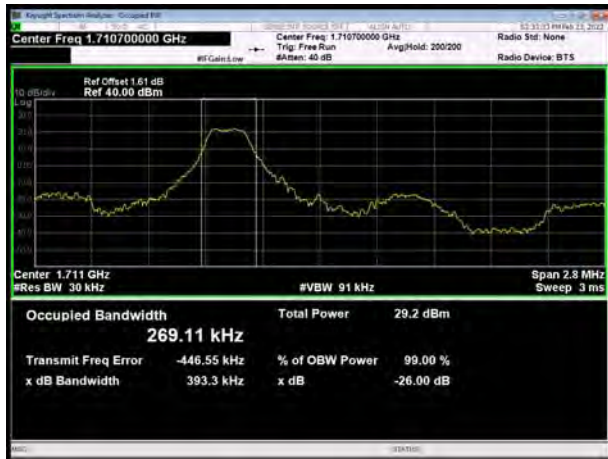


LTE Band 4 QPSK 20MHz CH-High

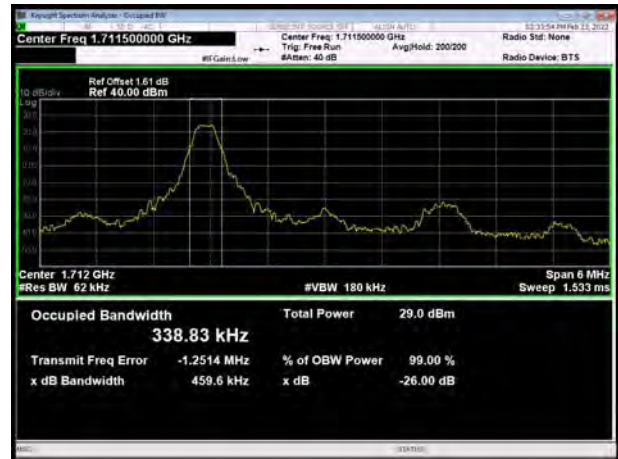




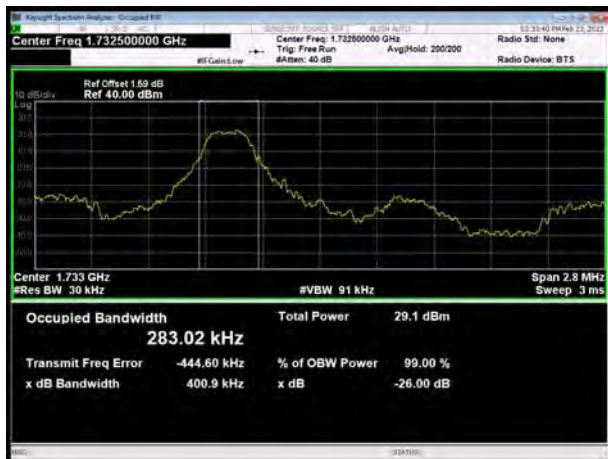
LTE Band 4 16QAM 1.4MHz CH-Low



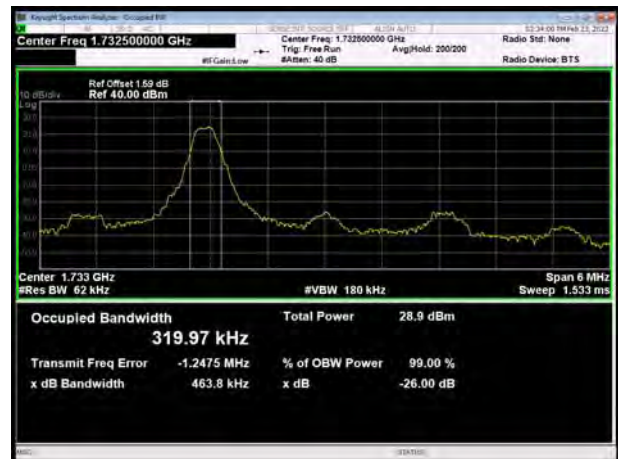
LTE Band 4 16QAM 3MHz CH-Low



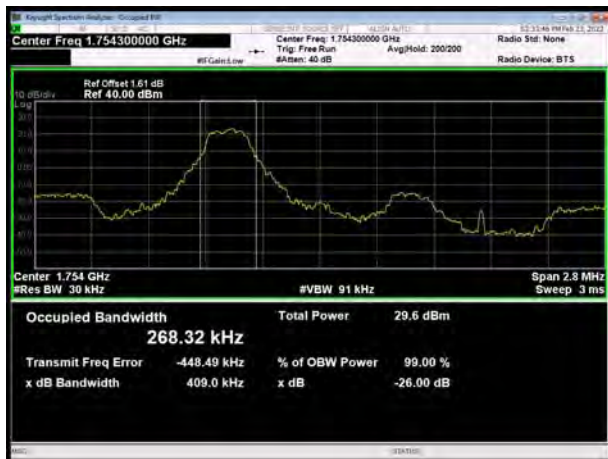
LTE Band 4 16QAM 1.4MHz CH-Middle



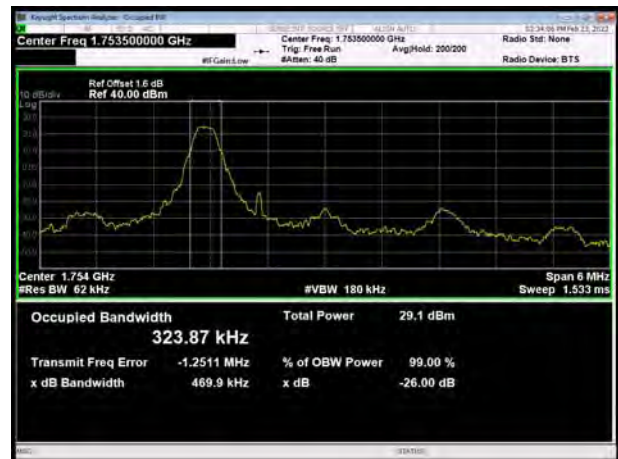
LTE Band 4 16QAM 3MHz CH-Middle



LTE Band 4 16QAM 1.4MHz CH-High



LTE Band 4 16QAM 3MHz CH-High

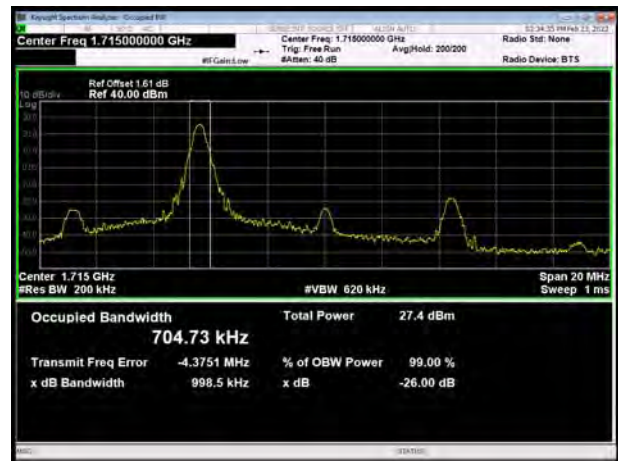




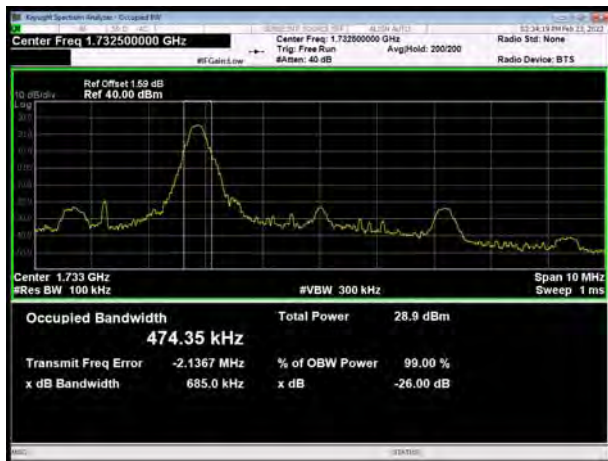
LTE Band 4 16QAM 5MHz CH-Low



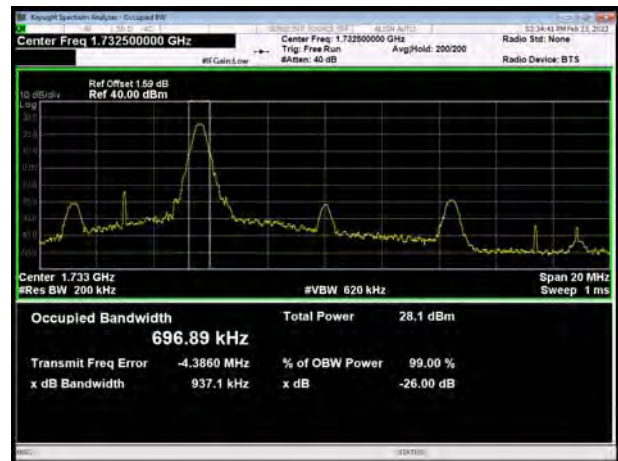
LTE Band 4 16QAM 10MHz CH-Low



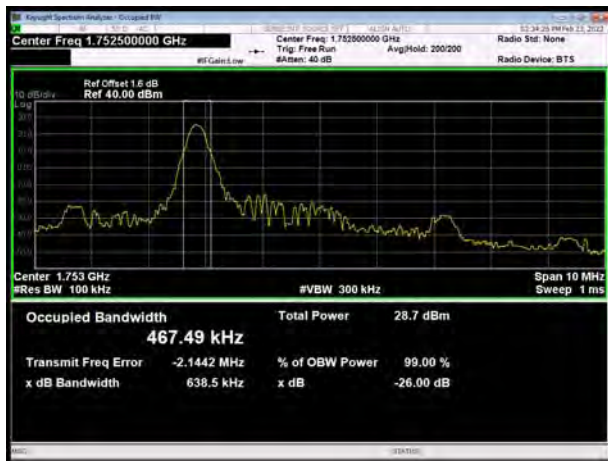
LTE Band 4 16QAM 5MHz CH-Middle



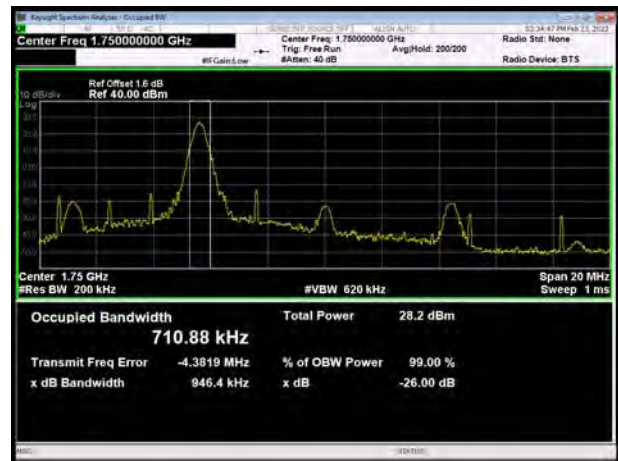
LTE Band 4 16QAM 10MHz CH-Middle



LTE Band 4 16QAM 5MHz CH-High

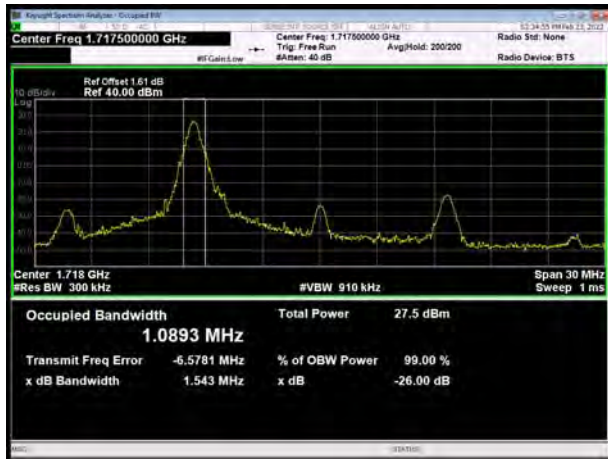


LTE Band 4 16QAM 10MHz CH-High

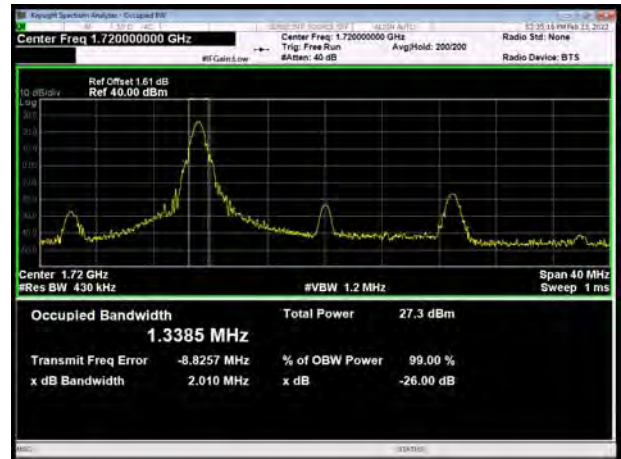




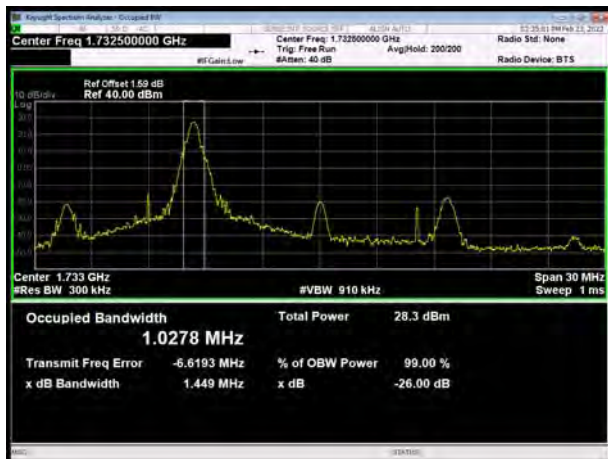
LTE Band 4 16QAM 15MHz CH-Low



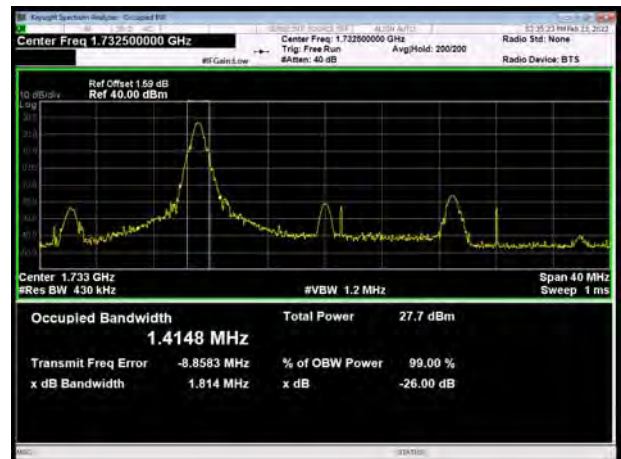
LTE Band 4 16QAM 20MHz CH-Low



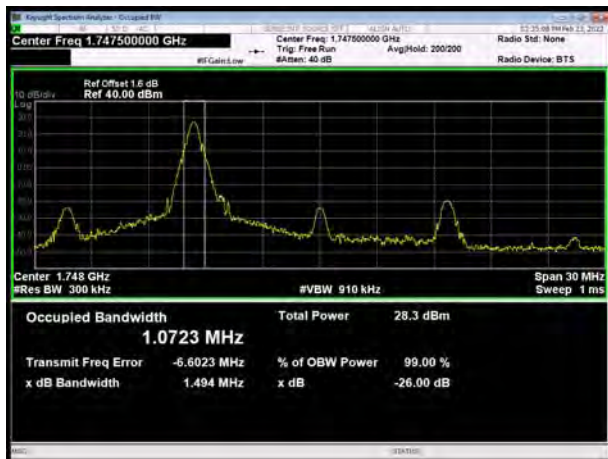
LTE Band 4 16QAM 15MHz CH-Middle



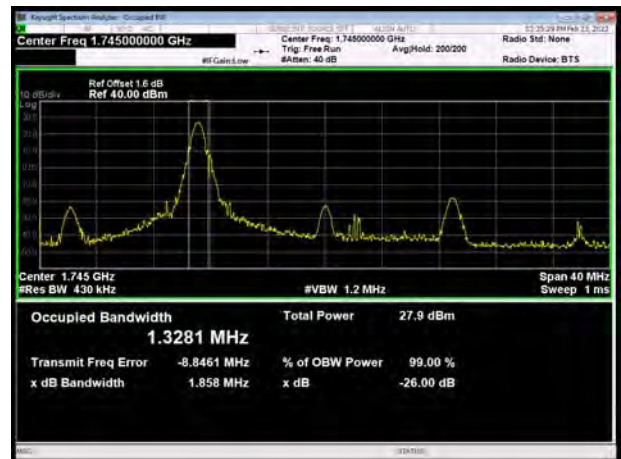
LTE Band 4 16QAM 20MHz CH-Middle



LTE Band 4 16QAM 15MHz CH-High



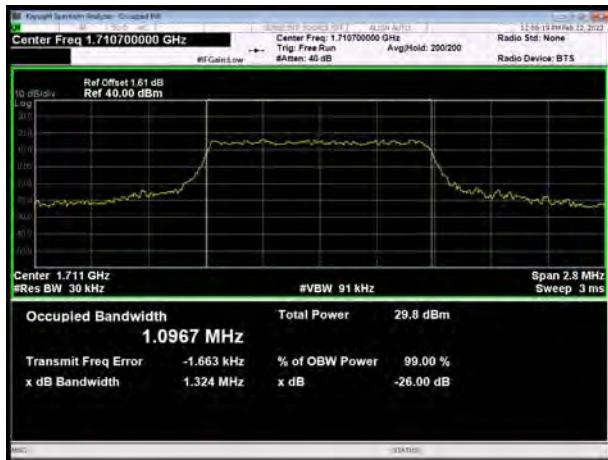
LTE Band 4 16QAM 20MHz CH-High



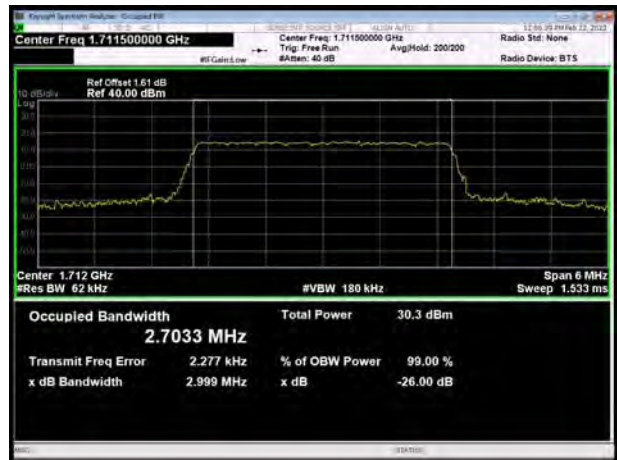


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LTE Band 4 QPSK 1.4MHz CH-Low



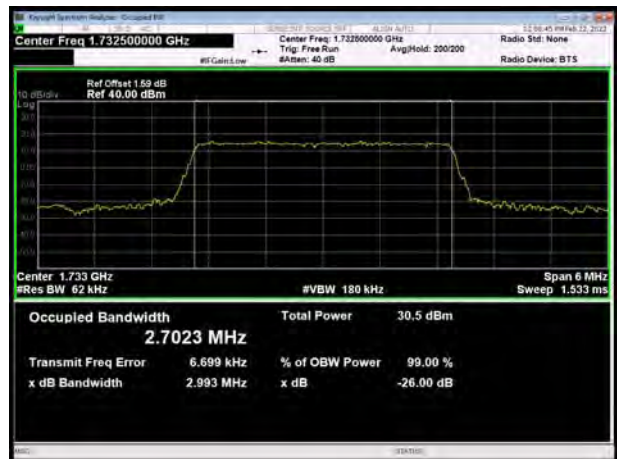
LTE Band 4 QPSK 3MHz CH-Low



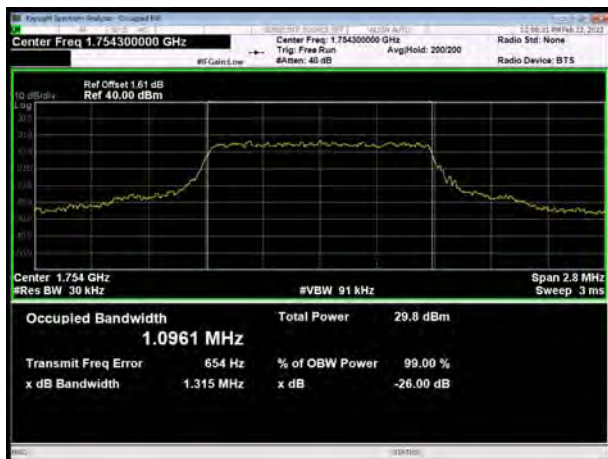
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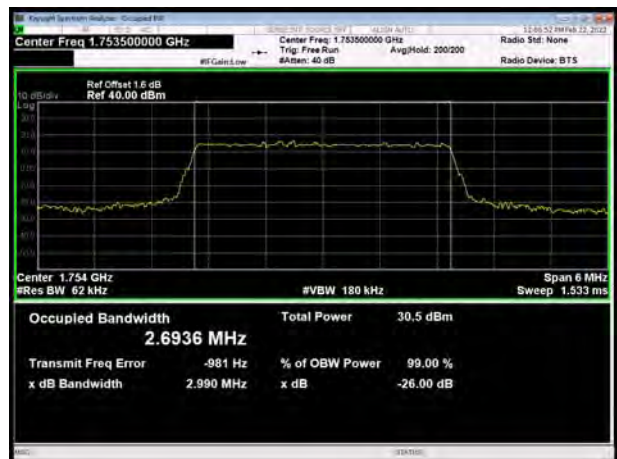
LTE Band 4 QPSK 3MHz CH-Middle



LTE Band 4 QPSK 1.4MHz CH-High

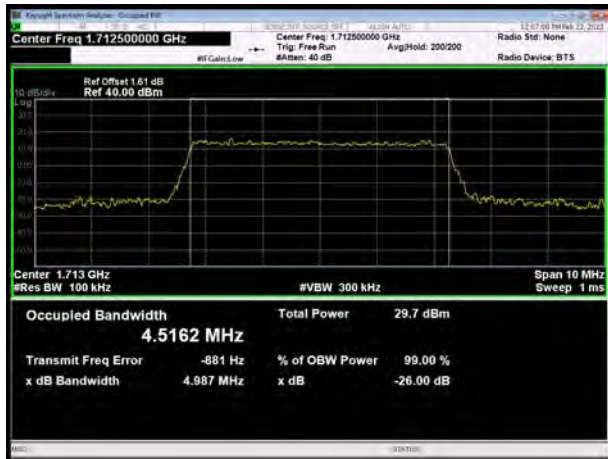


LTE Band 4 QPSK 3MHz CH-High

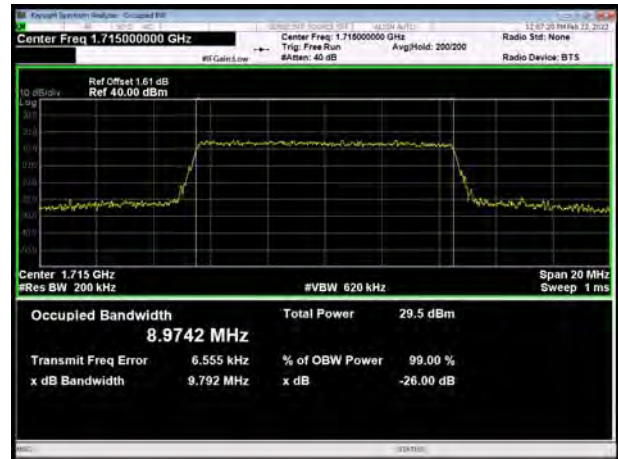




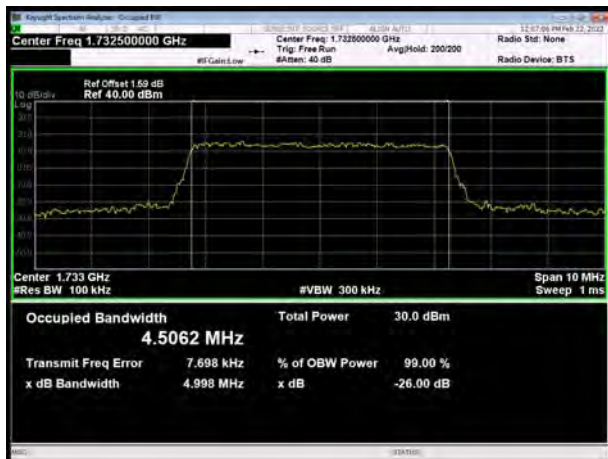
LTE Band 4 QPSK 5MHz CH-Low



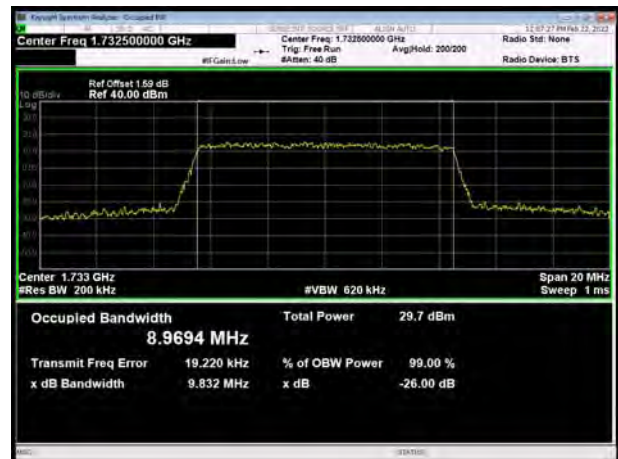
LTE Band 4 QPSK 10MHz CH-Low



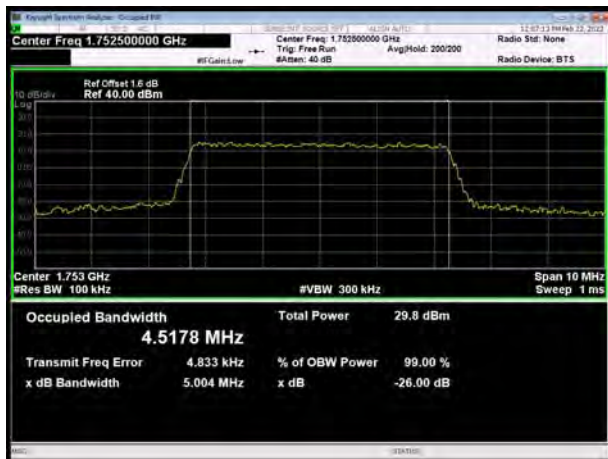
LTE Band 4 QPSK 5MHz CH-Middle



LTE Band 4 QPSK 10MHz CH-Middle



LTE Band 4 QPSK 5MHz CH-High

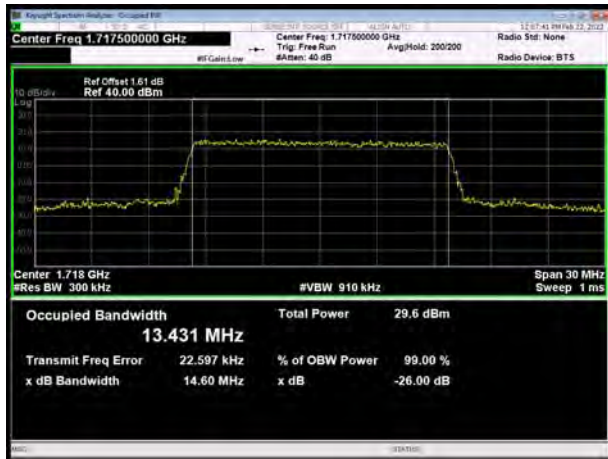


LTE Band 4 QPSK 10MHz CH-High

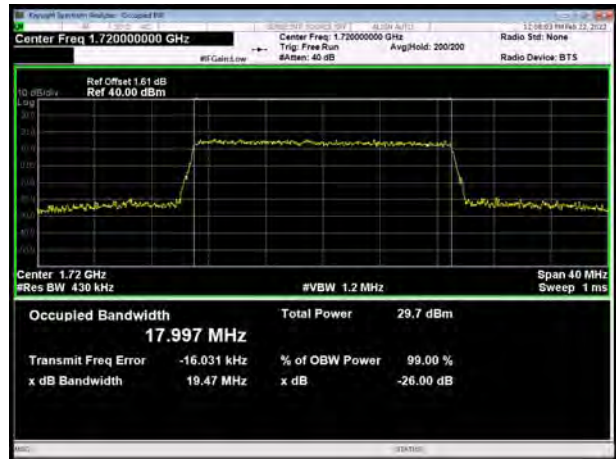




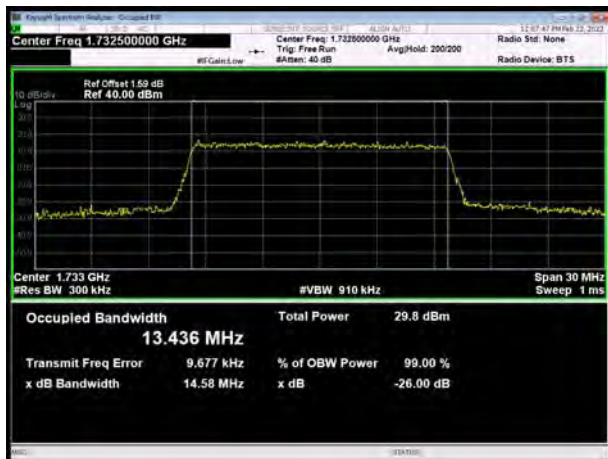
LTE Band 4 QPSK 15MHz CH-Low



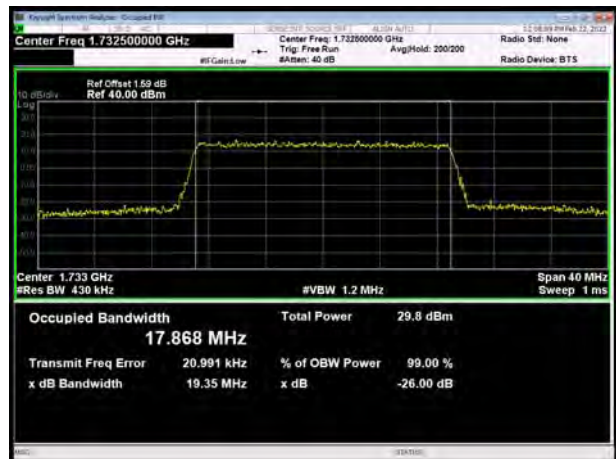
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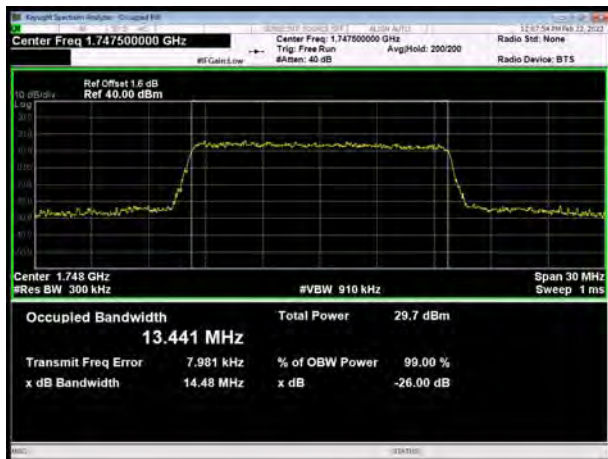
LTE Band 4 QPSK 15MHz CH-Middle



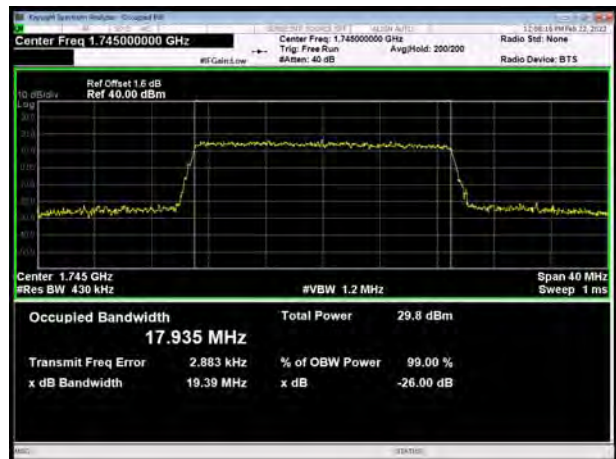
LTE Band 4 QPSK 20MHz CH-Middle



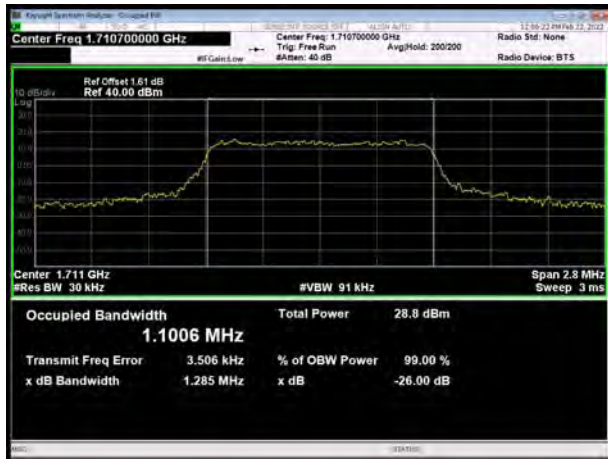
LTE Band 4 QPSK 15MHz CH-High



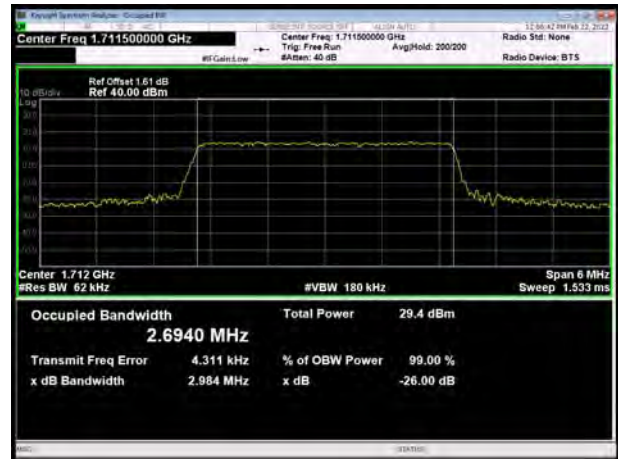
LTE Band 4 QPSK 20MHz CH-High



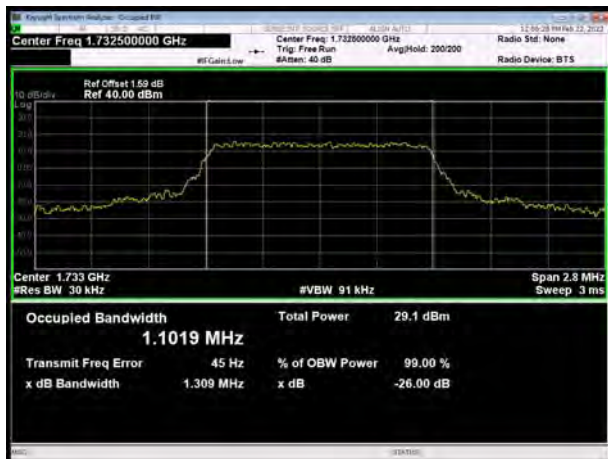
LTE Band 4 16QAM 1.4MHz CH-Low



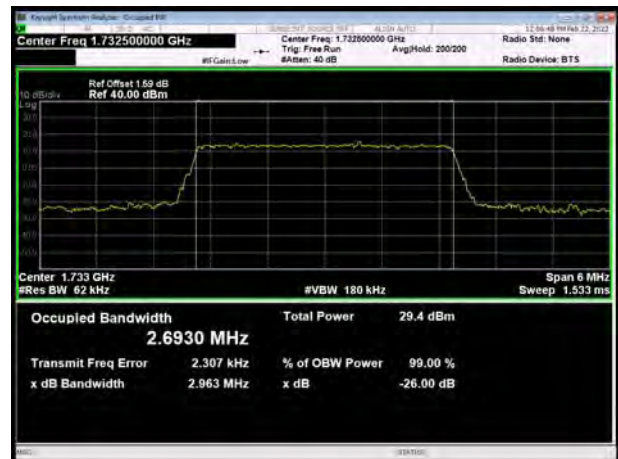
LTE Band 4 16QAM 3MHz CH-Low



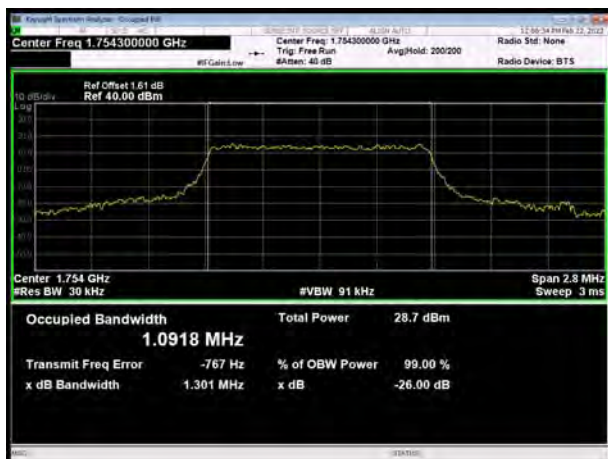
LTE Band 4 16QAM 1.4MHz CH-Middle



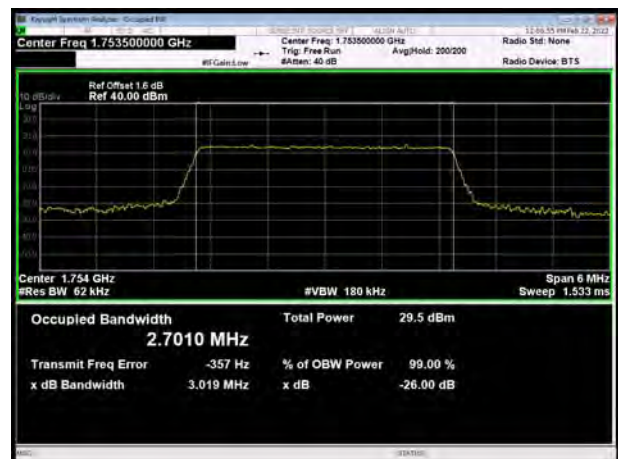
LTE Band 4 16QAM 3MHz CH-Middle



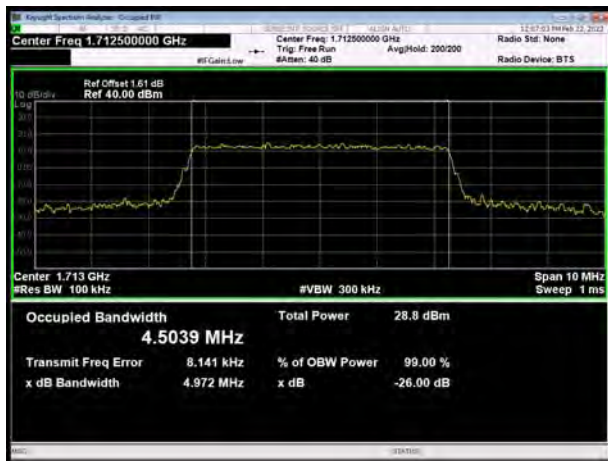
LTE Band 4 16QAM 1.4MHz CH-High



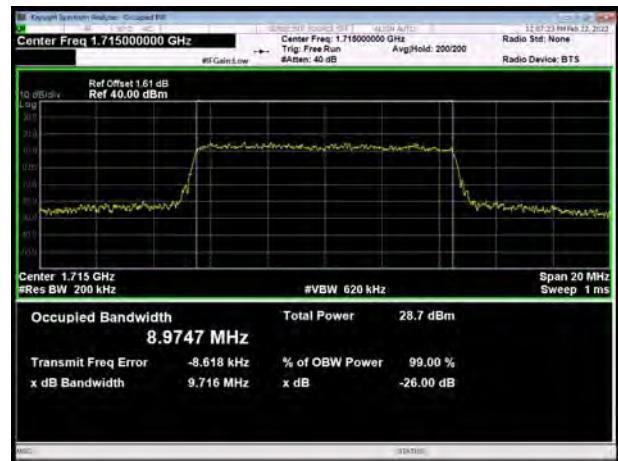
LTE Band 4 16QAM 3MHz CH-High



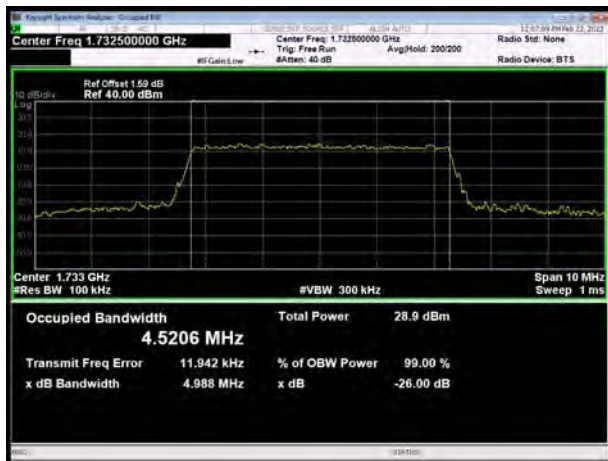
LTE Band 4 16QAM 5MHz CH-Low



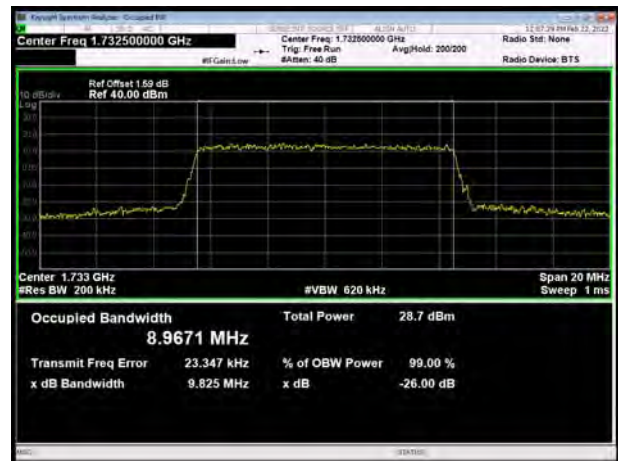
LTE Band 4 16QAM 10MHz CH-Low



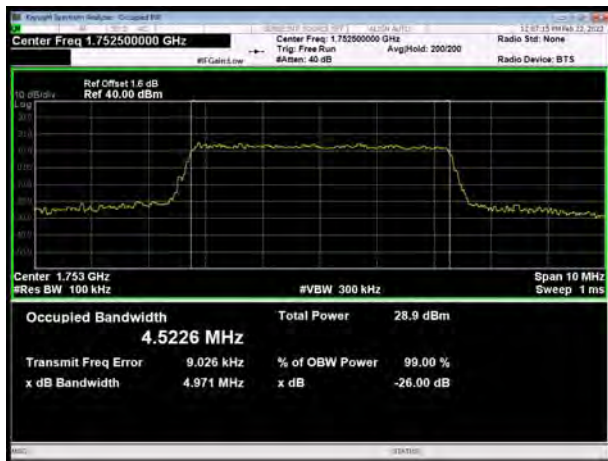
LTE Band 4 16QAM 5MHz CH-Middle



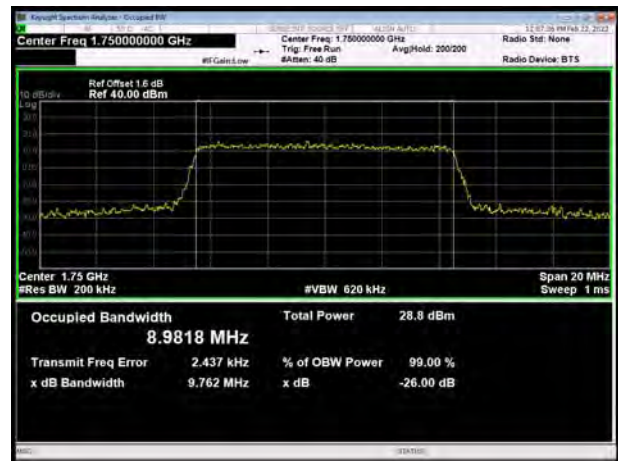
LTE Band 4 16QAM 10MHz CH-Middle



LTE Band 4 16QAM 5MHz CH-High

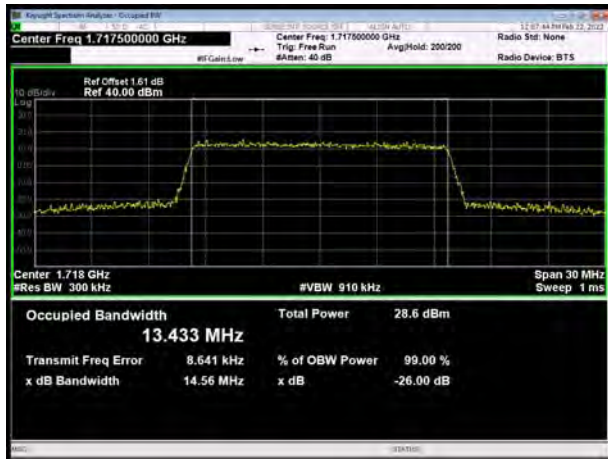


LTE Band 4 16QAM 10MHz CH-High

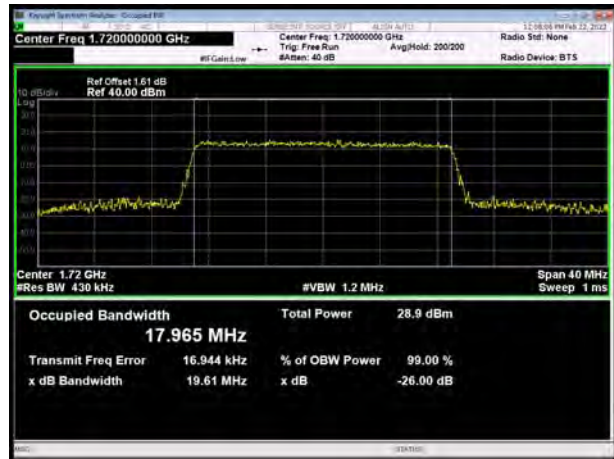




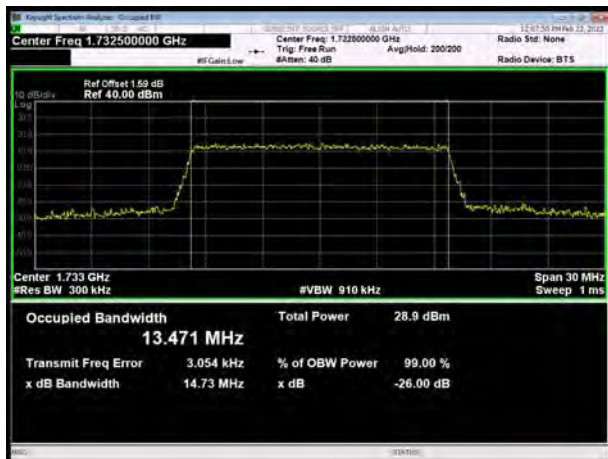
LTE Band 4 16QAM 15MHz CH-Low



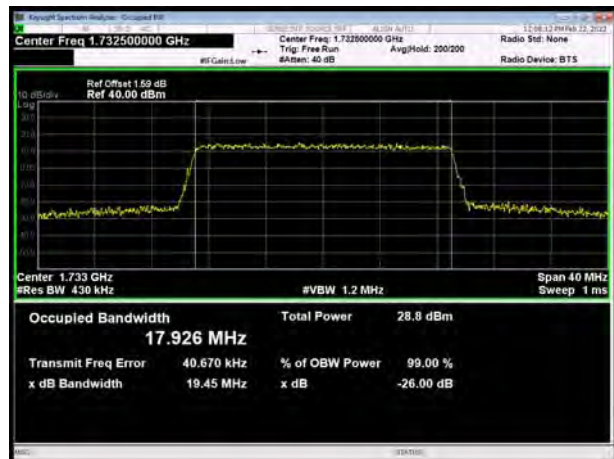
LTE Band 4 16QAM 20MHz CH-Low



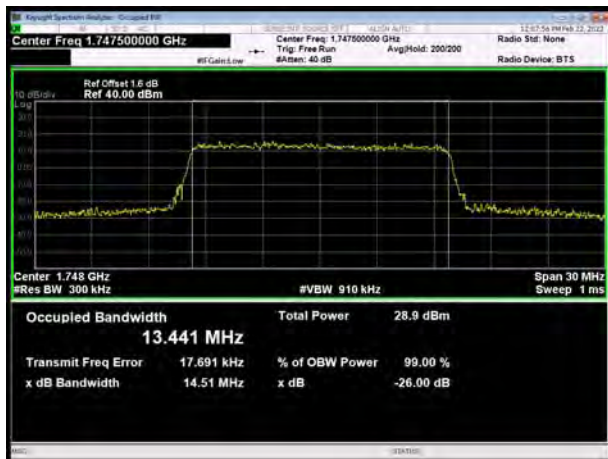
LTE Band 4 16QAM 15MHz CH-Middle



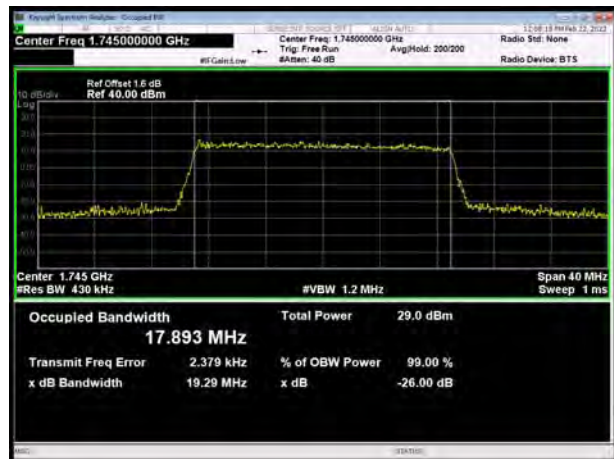
LTE Band 4 16QAM 20MHz CH-Middle



LTE Band 4 16QAM 15MHz CH-High



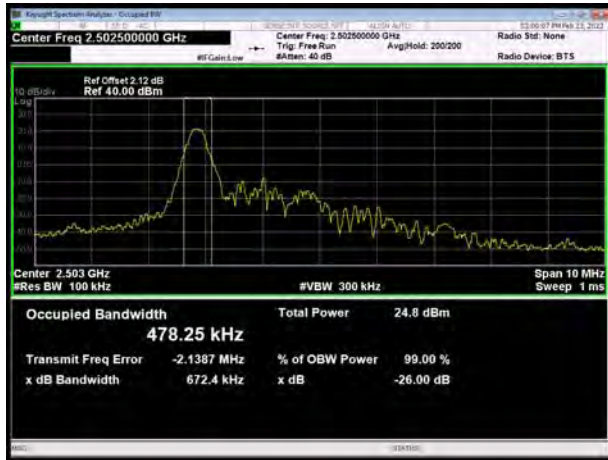
LTE Band 4 16QAM 20MHz CH-High



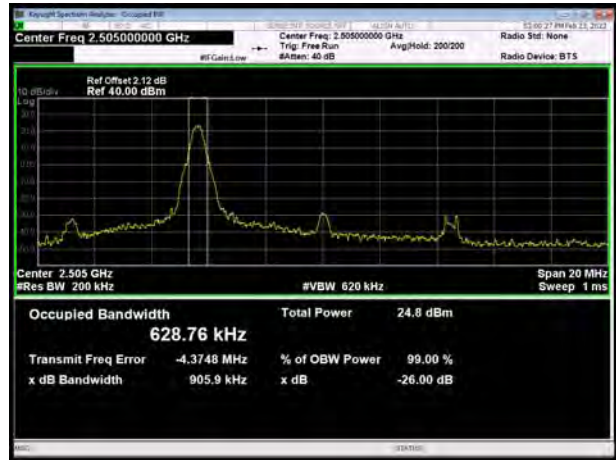


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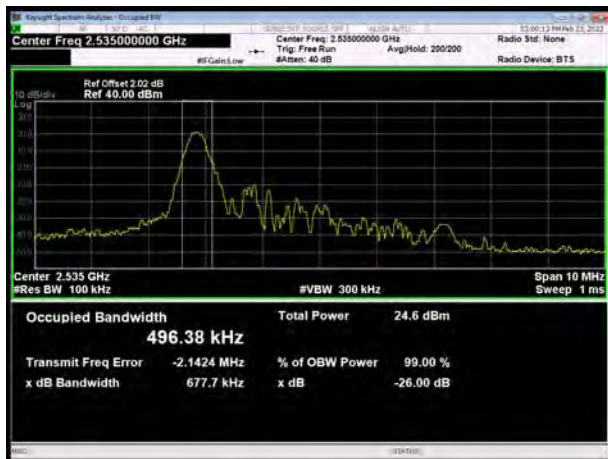
LTE Band 7 QPSK 5MHz CH-Low



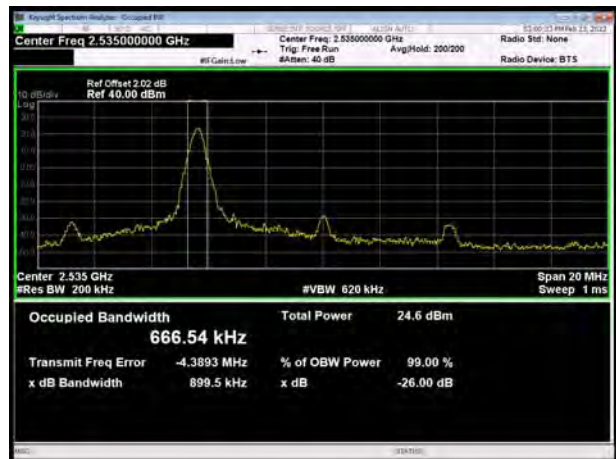
LTE Band 7 QPSK 10MHz CH-Low



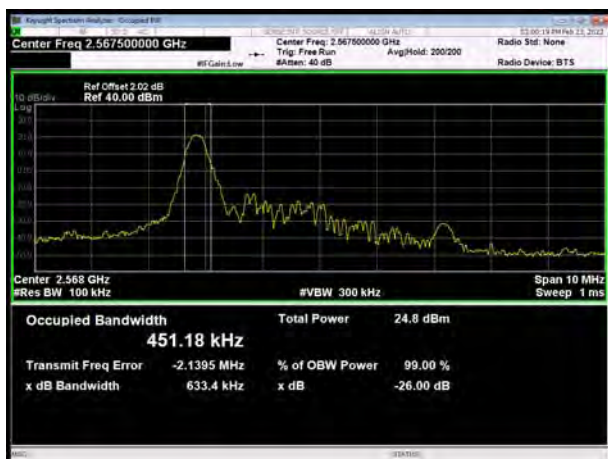
LTE Band 7 QPSK 5MHz CH-Middle



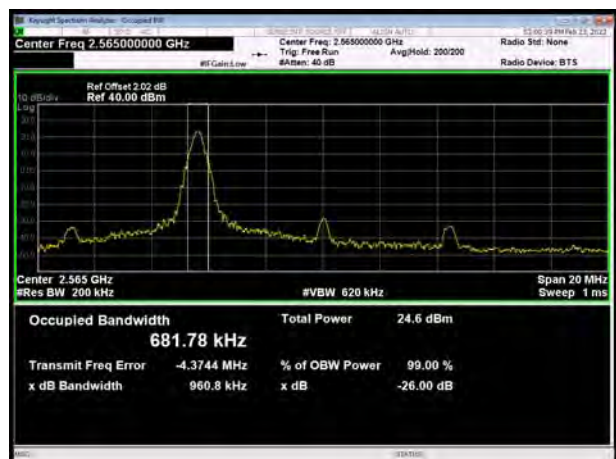
LTE Band 7 QPSK 10MHz CH-Middle



LTE Band 7 QPSK 5MHz CH-High

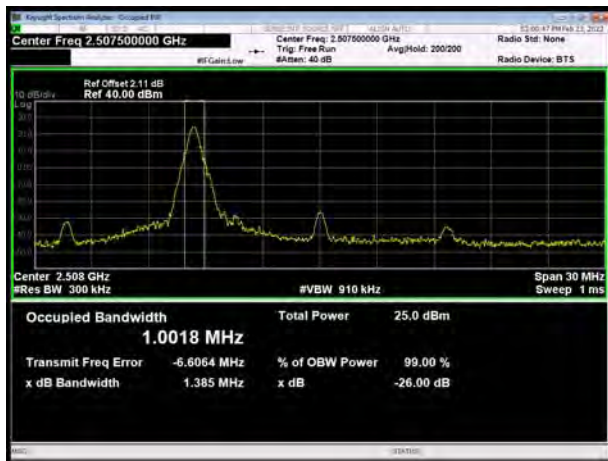


LTE Band 7 QPSK 10MHz CH-High

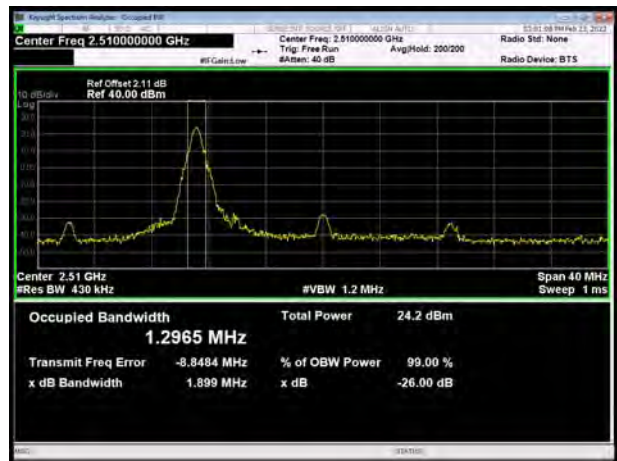




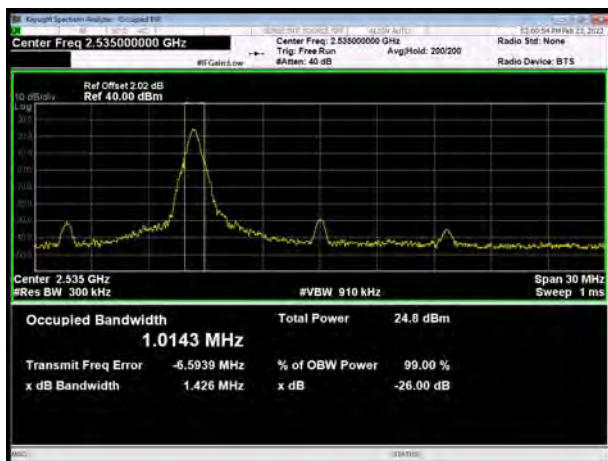
LTE Band 7 QPSK 15MHz CH-Low



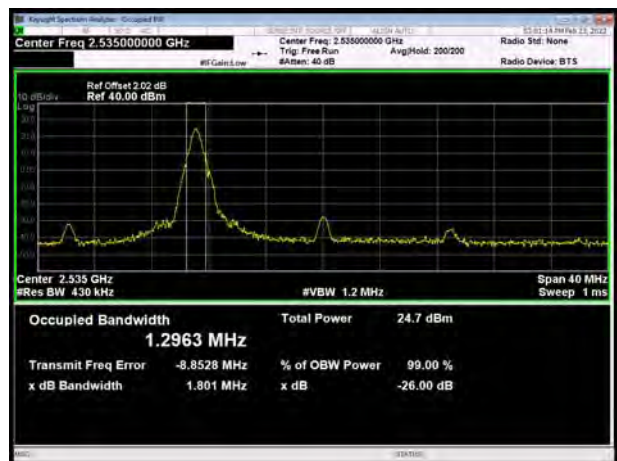
LTE Band 7 QPSK 20MHz CH-Low



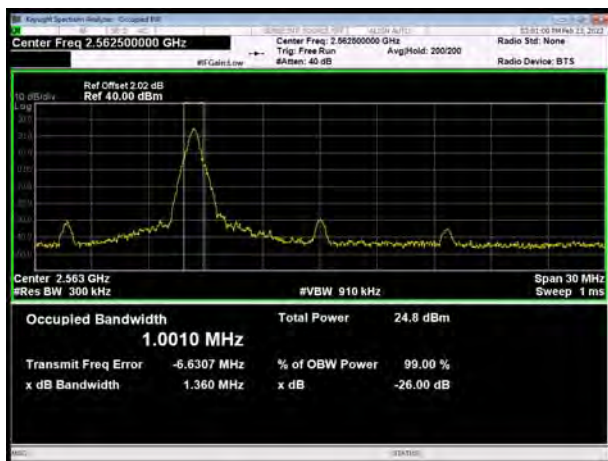
LTE Band 7 QPSK 15MHz CH-Middle



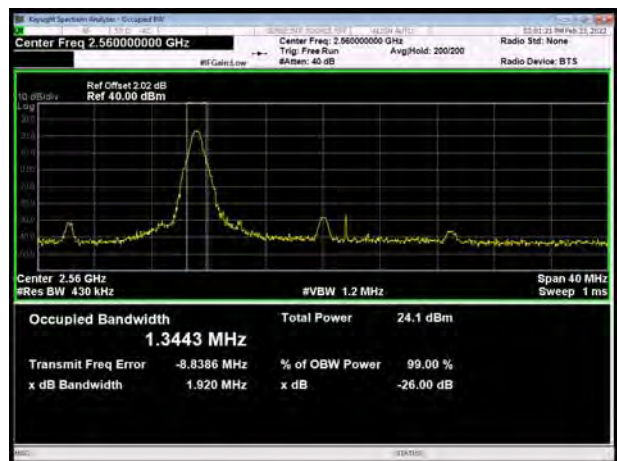
LTE Band 7 QPSK 20MHz CH-Middle



LTE Band 7 QPSK 15MHz CH-High

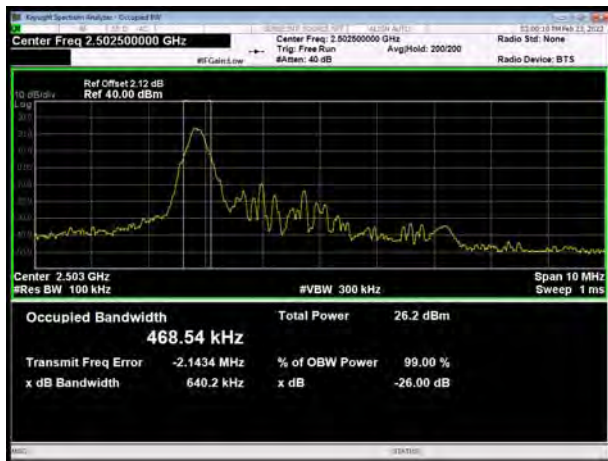


LTE Band 7 QPSK 20MHz CH-High

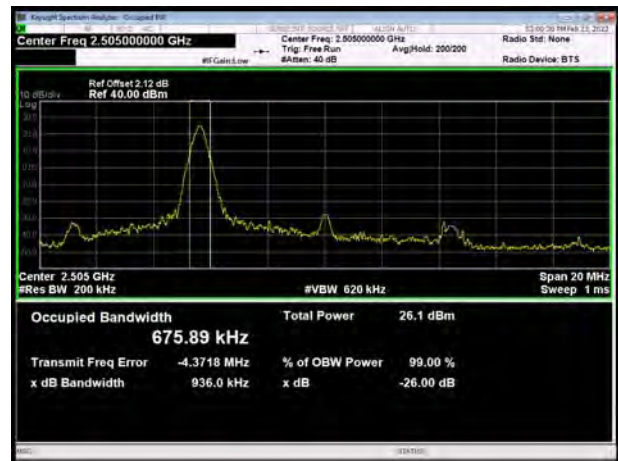




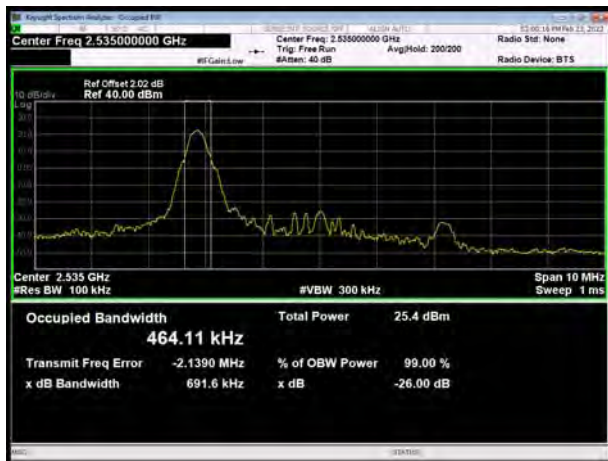
LTE Band 7 16QAM 5MHz CH-Low



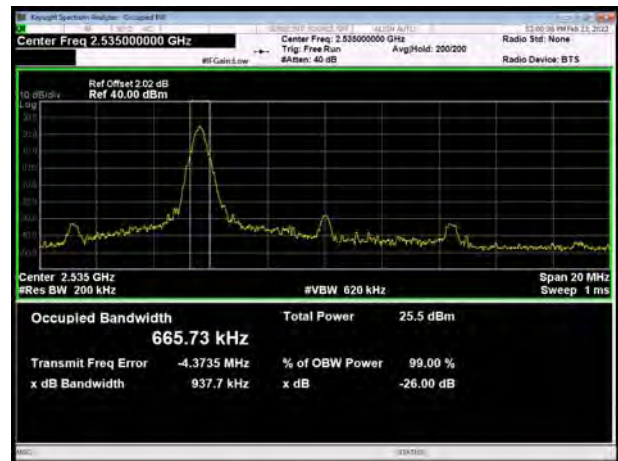
LTE Band 7 16QAM 10MHz CH-Low



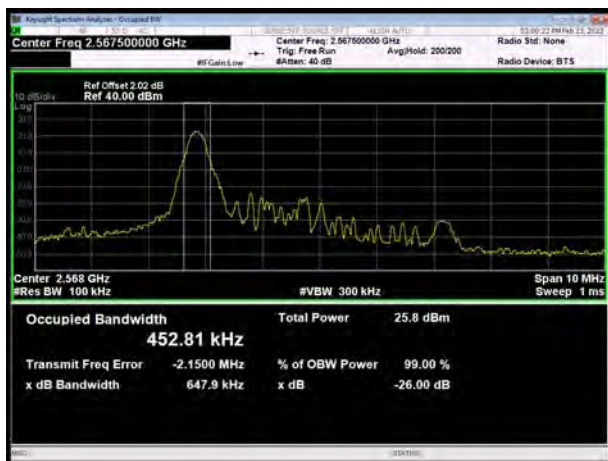
LTE Band 7 16QAM 5MHz CH-Middle



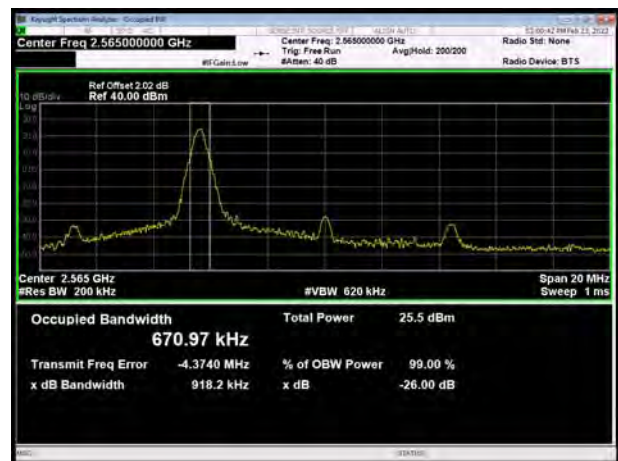
LTE Band 7 16QAM 10MHz CH-Middle



LTE Band 7 16QAM 5MHz CH-High

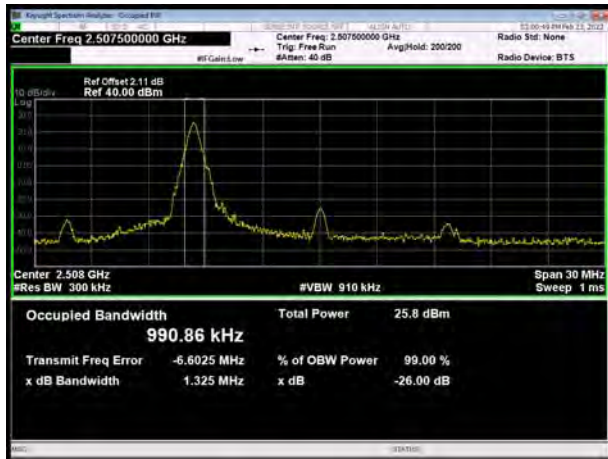


LTE Band 7 16QAM 10MHz CH-High

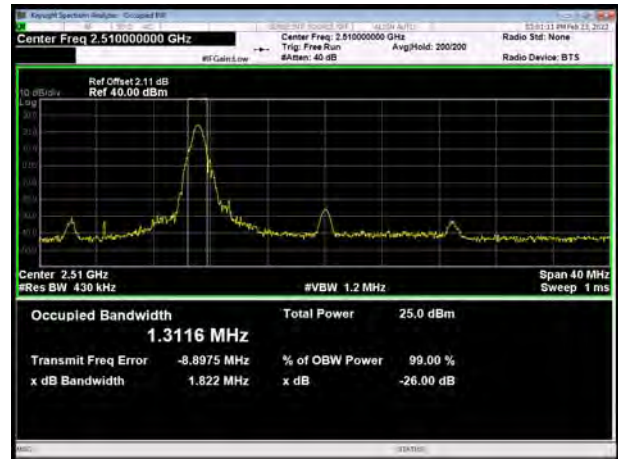




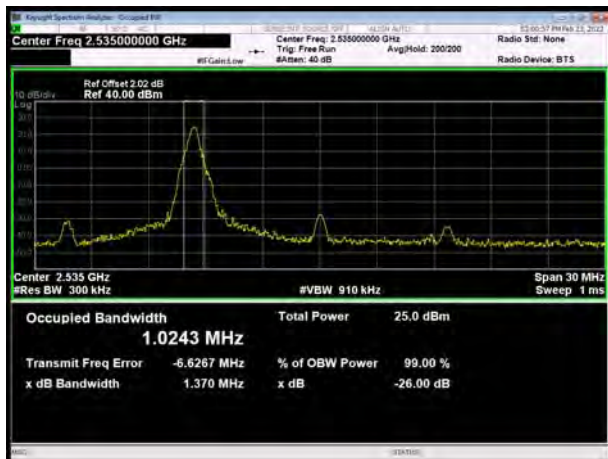
LTE Band 7 16QAM 15MHz CH-Low



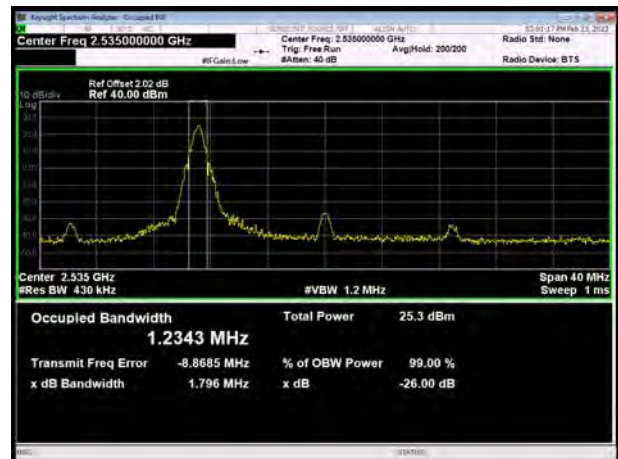
LTE Band 7 16QAM 20MHz CH-Low



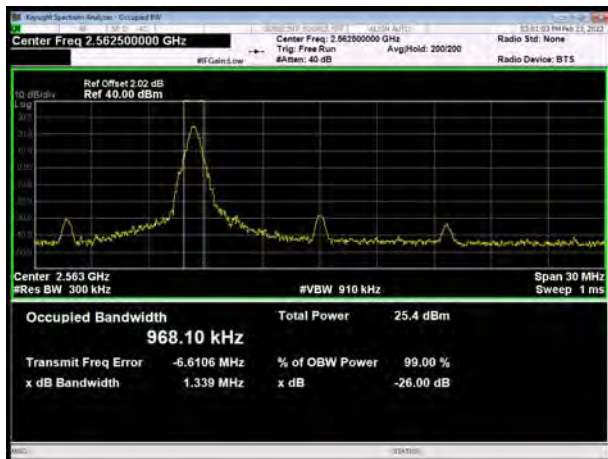
LTE Band 7 16QAM 15MHz CH-Middle



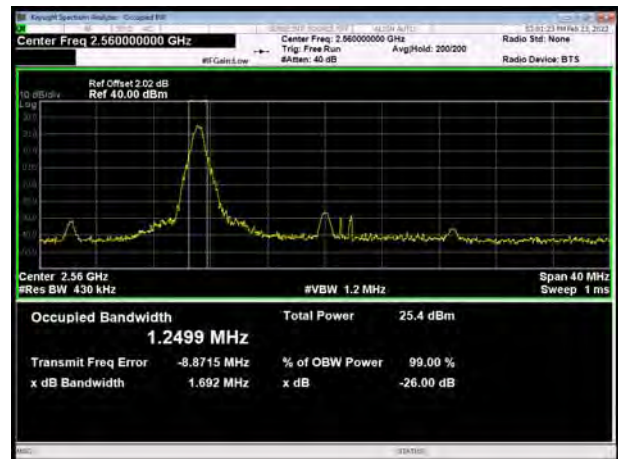
LTE Band 7 16QAM 20MHz CH-Middle



LTE Band 7 16QAM 15MHz CH-High



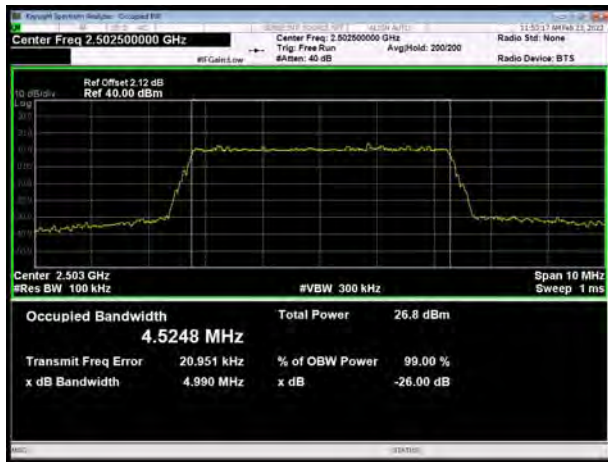
LTE Band 7 16QAM 20MHz CH-High



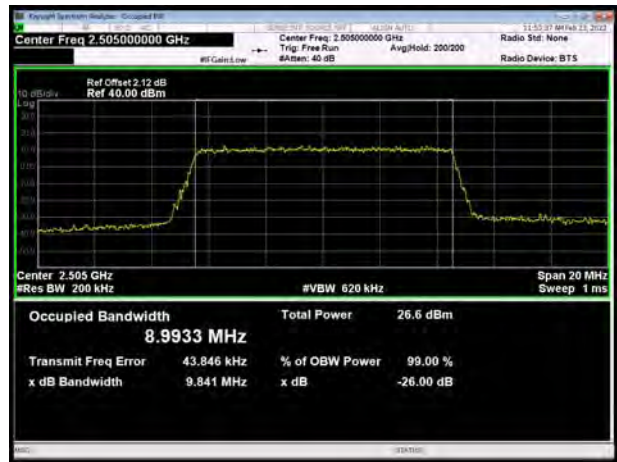


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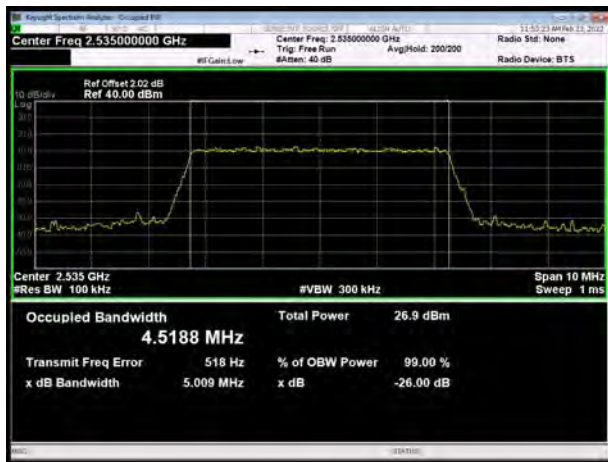
LTE Band 7 QPSK 5MHz CH-Low



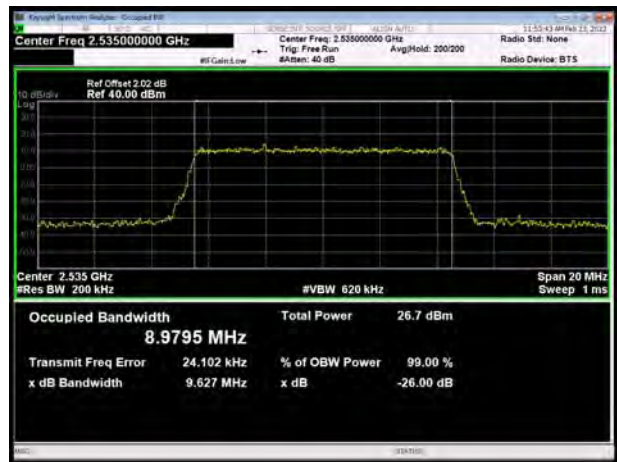
LTE Band 7 QPSK 10MHz CH-Low



LTE Band 7 QPSK 5MHz CH-Middle



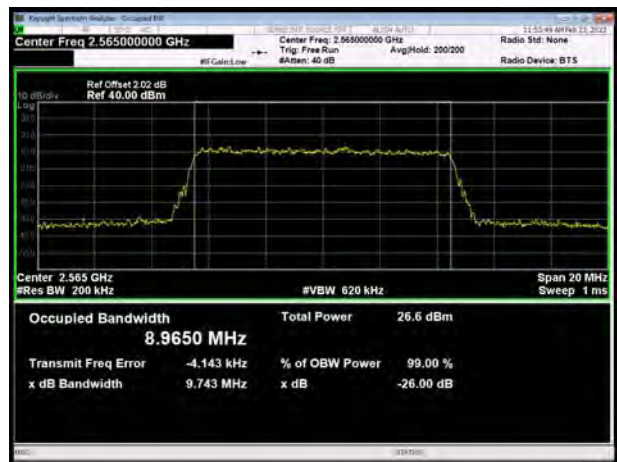
LTE Band 7 QPSK 10MHz CH-Middle



LTE Band 7 QPSK 5MHz CH-High

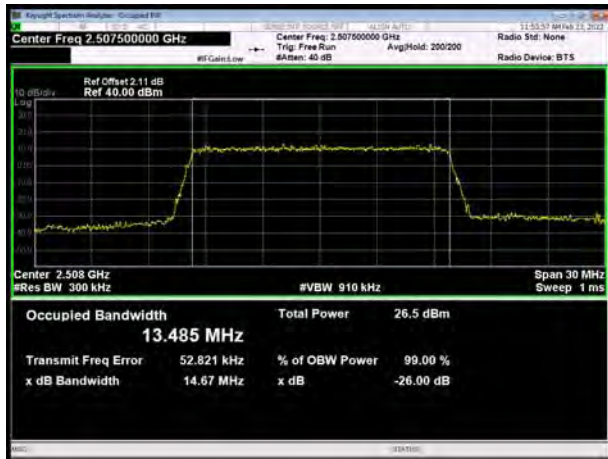


LTE Band 7 QPSK 10MHz CH-High

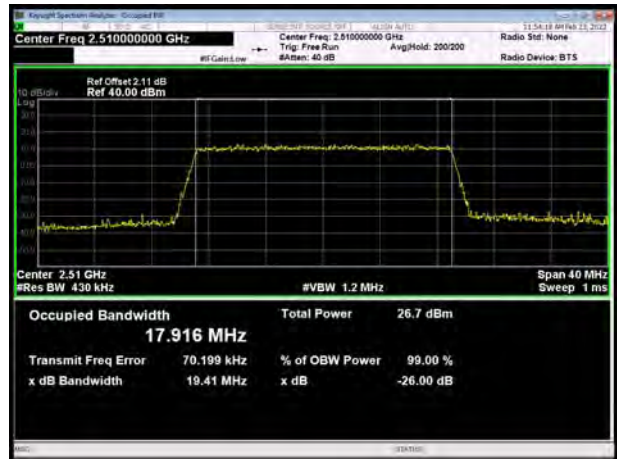




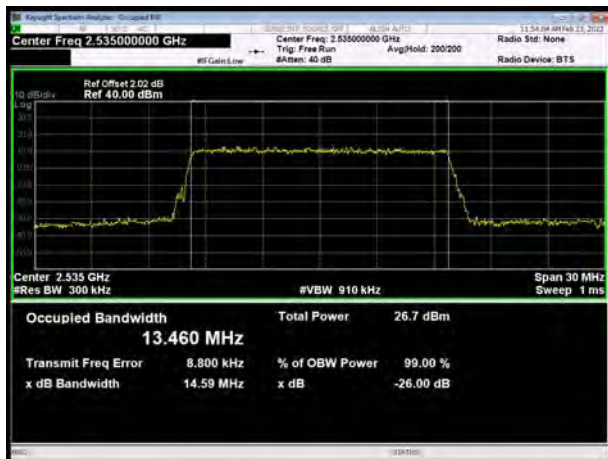
LTE Band 7 QPSK 15MHz CH-Low



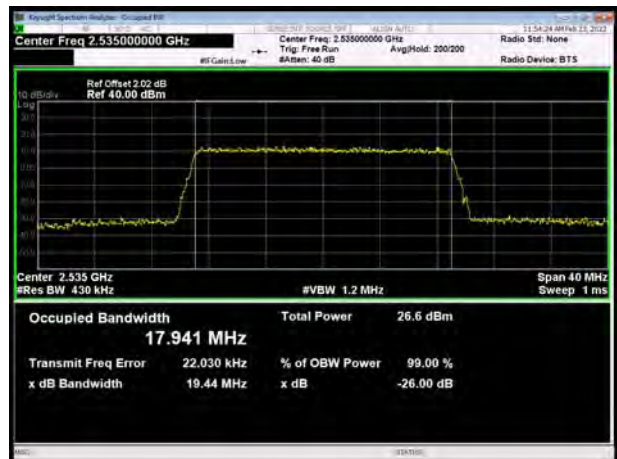
LTE Band 7 QPSK 20MHz CH-Low



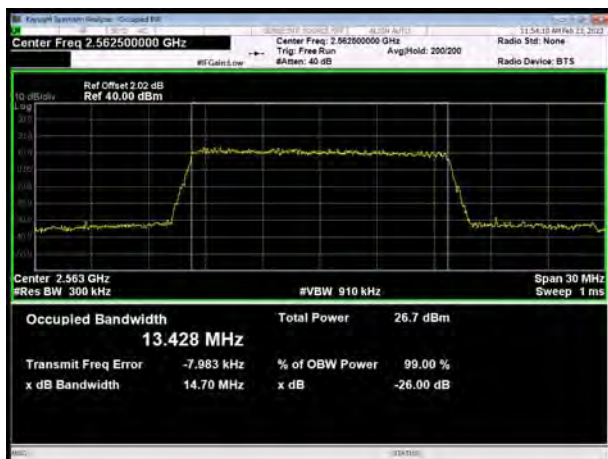
LTE Band 7 QPSK 15MHz CH-Middle



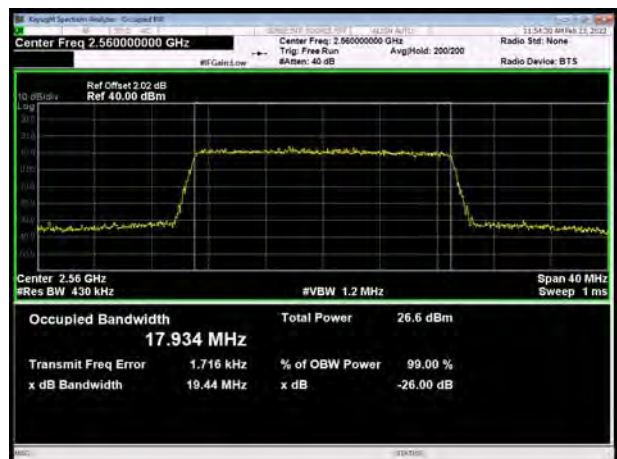
LTE Band 7 QPSK 20MHz CH-Middle



LTE Band 7 QPSK 15MHz CH-High

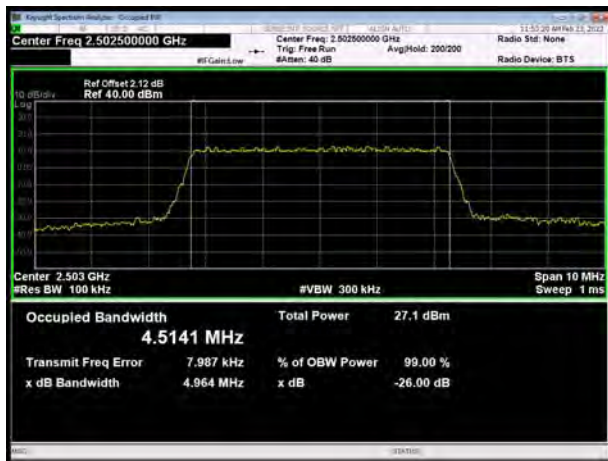


LTE Band 7 QPSK 20MHz CH-High

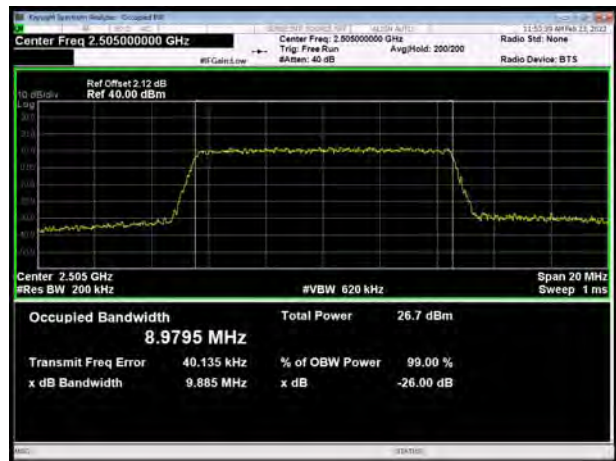




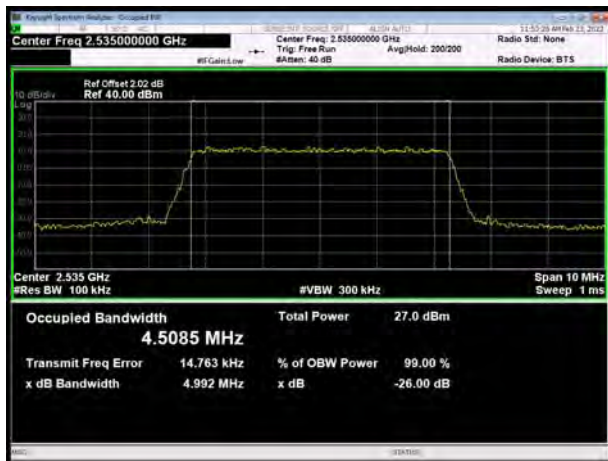
LTE Band 7 16QAM 5MHz CH-Low



LTE Band 7 16QAM 10MHz CH-Low



LTE Band 7 16QAM 5MHz CH-Middle



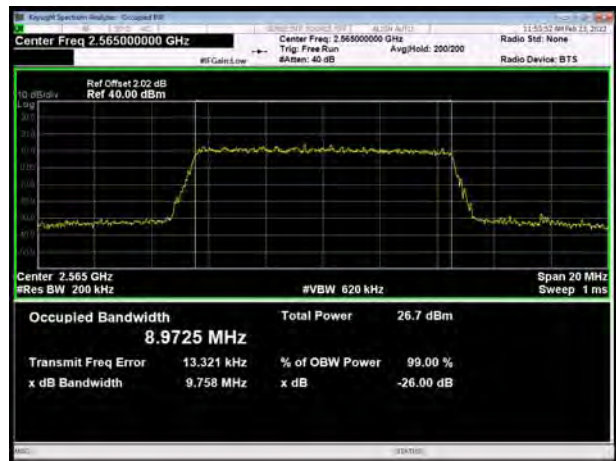
LTE Band 7 16QAM 10MHz CH-Middle



LTE Band 7 16QAM 5MHz CH-High

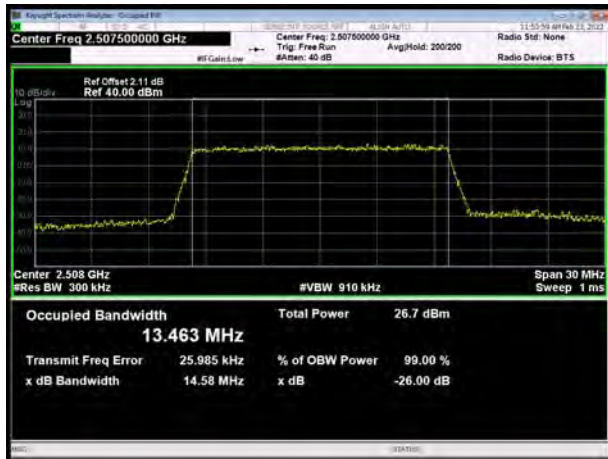


LTE Band 7 16QAM 10MHz CH-High

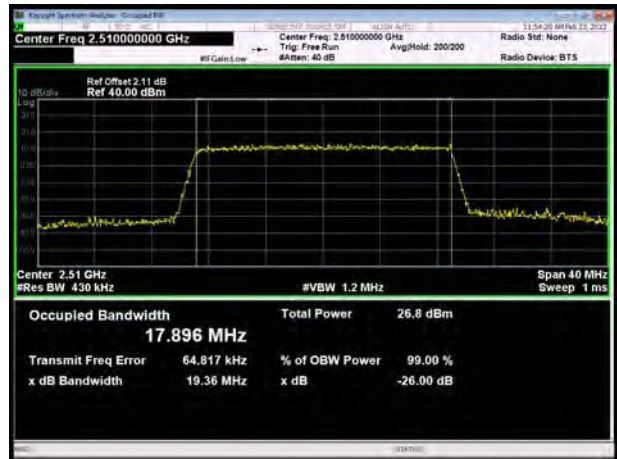




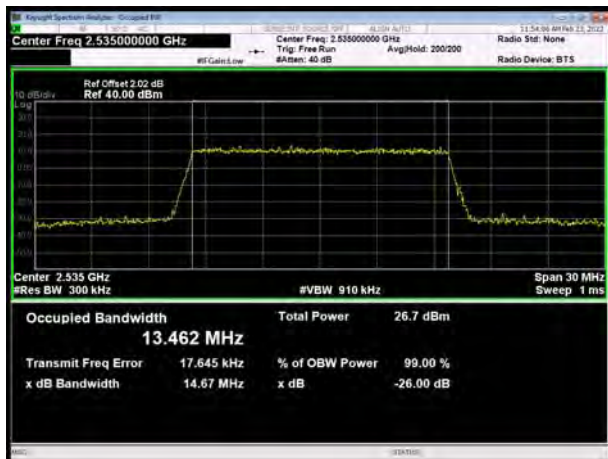
LTE Band 7 16QAM 15MHz CH-Low



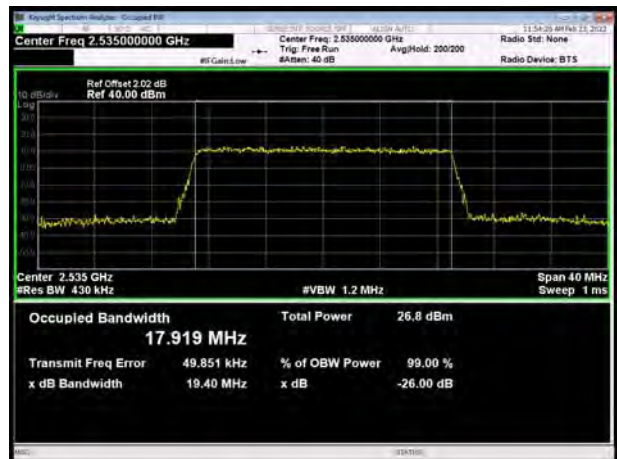
LTE Band 7 16QAM 20MHz CH-Low



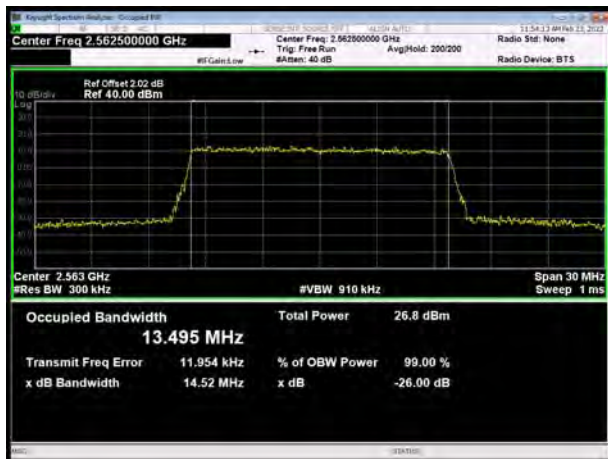
LTE Band 7 16QAM 15MHz CH-Middle



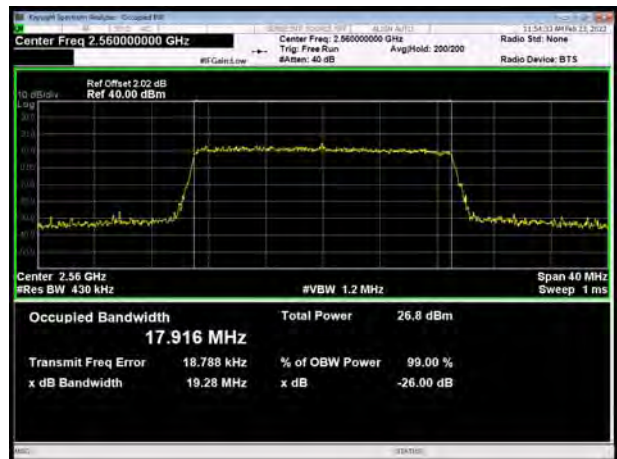
LTE Band 7 16QAM 20MHz CH-Middle



LTE Band 7 16QAM 15MHz CH-High

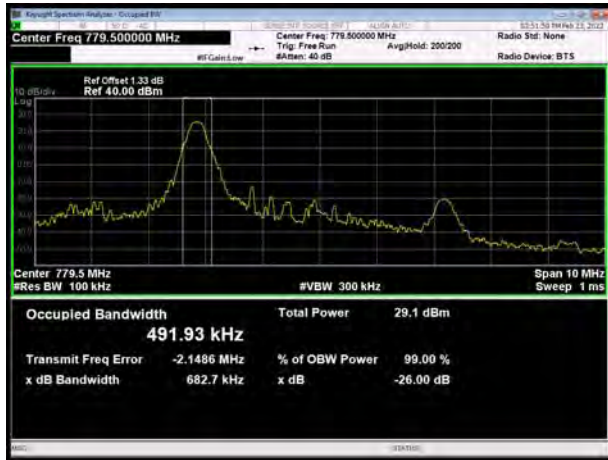


LTE Band 7 16QAM 20MHz CH-High

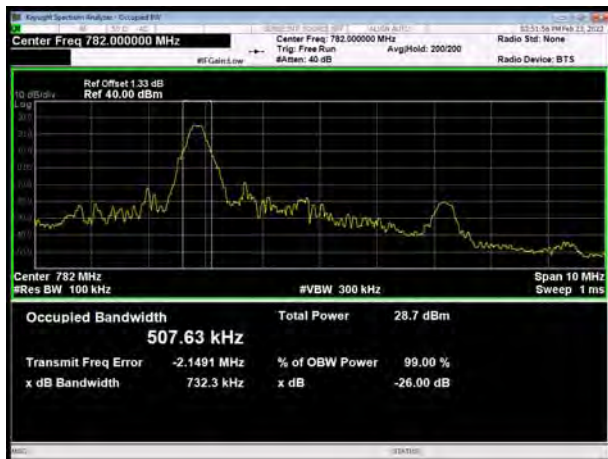


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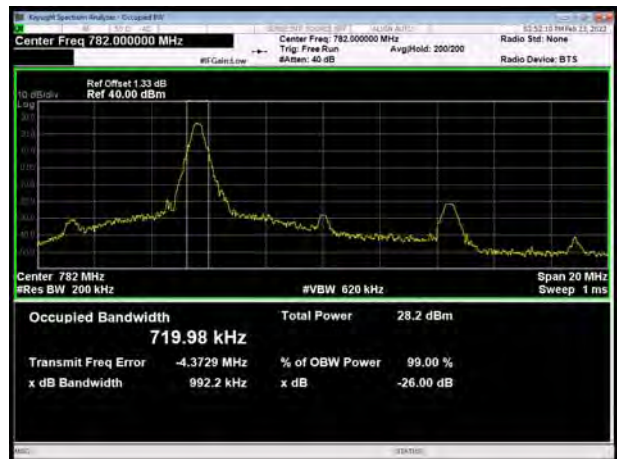
LTE Band 13 QPSK 5MHz CH-Low



LTE Band 13 QPSK 5MHz CH-Middle



LTE Band 13 QPSK 10MHz CH-Middle

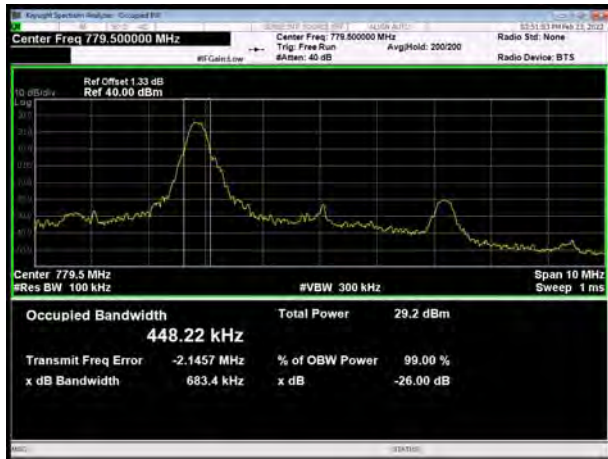


LTE Band 13 QPSK 5MHz CH-High

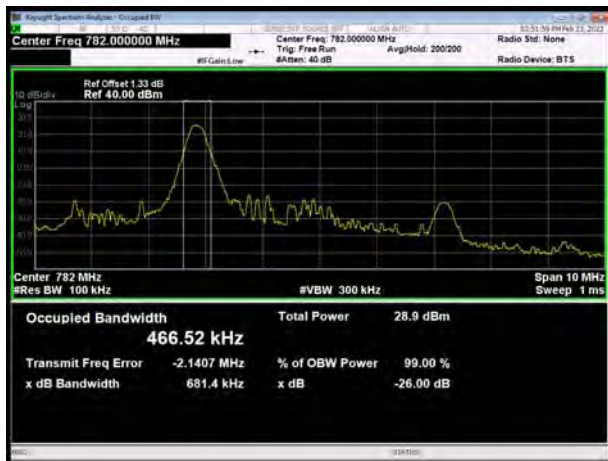




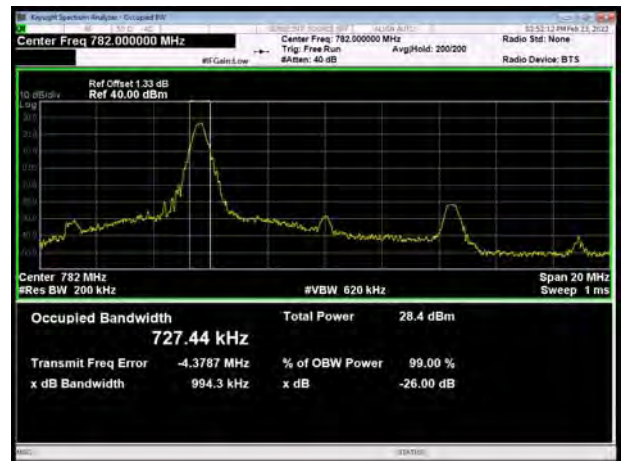
LTE Band 13 16QAM 5MHz CH-Low



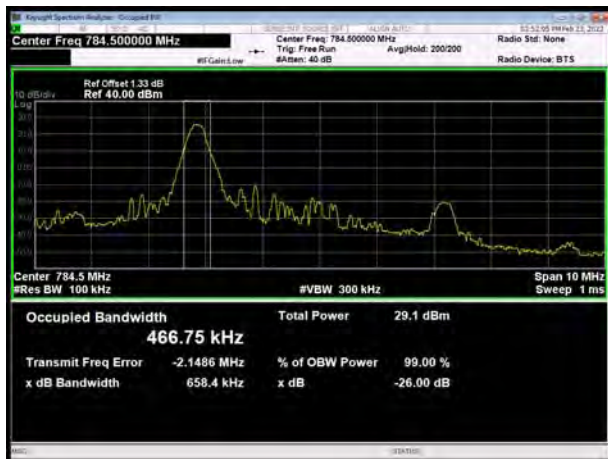
LTE Band 13 16QAM 5MHz CH-Middle



LTE Band 13 16QAM 10MHz CH-Middle

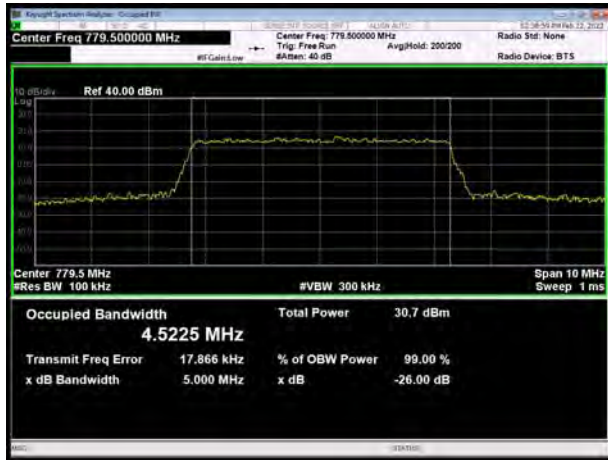


LTE Band 13 16QAM 5MHz CH-High

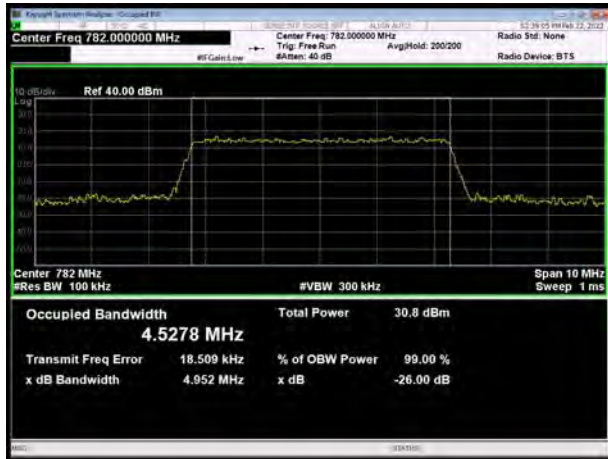


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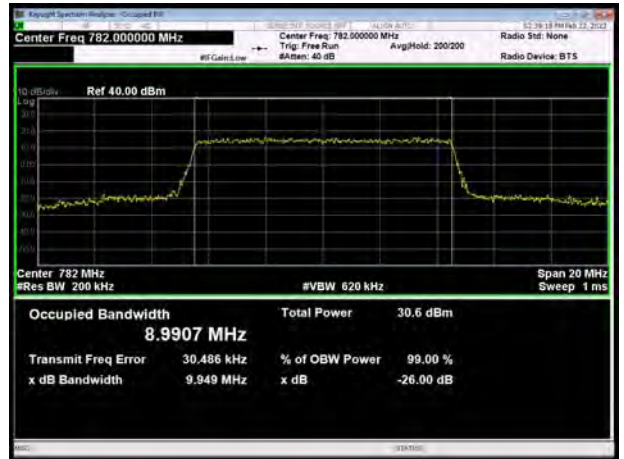
LTE Band 13 QPSK 5MHz CH-Low



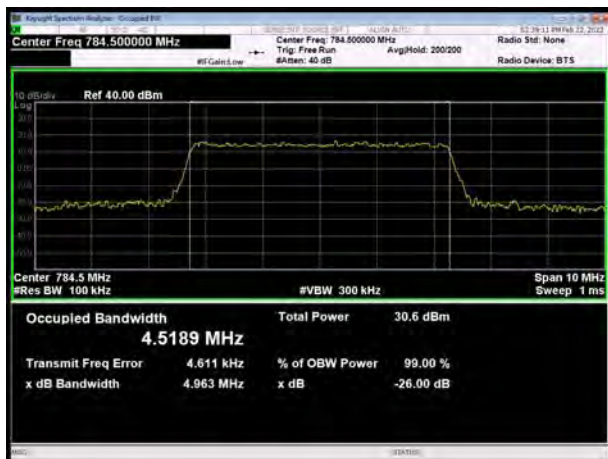
LTE Band 13 QPSK 5MHz CH-Middle



LTE Band 13 QPSK 10MHz CH-Middle

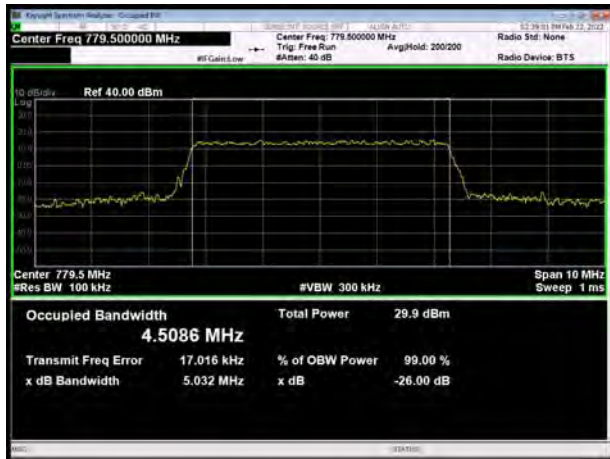


LTE Band 13 QPSK 5MHz CH-High

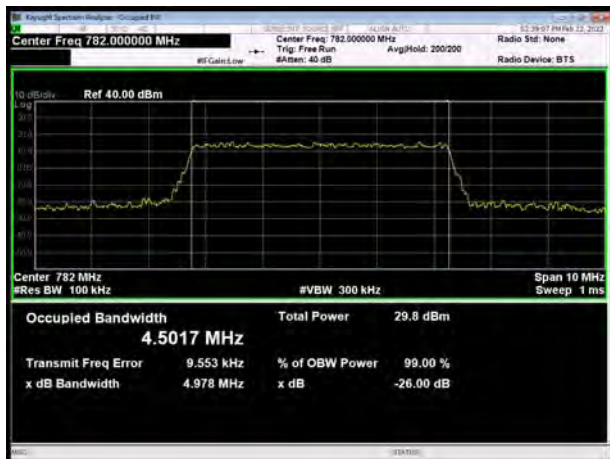




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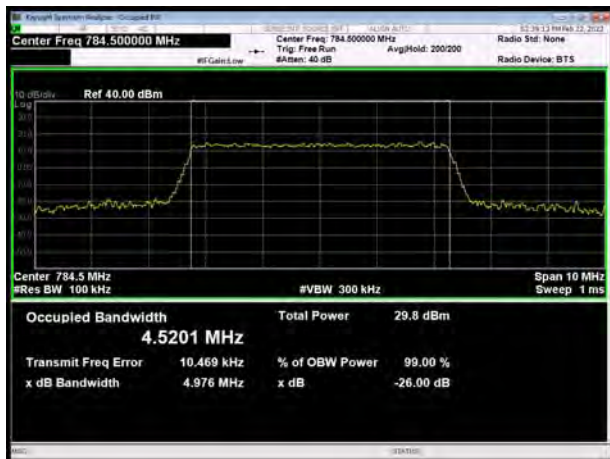
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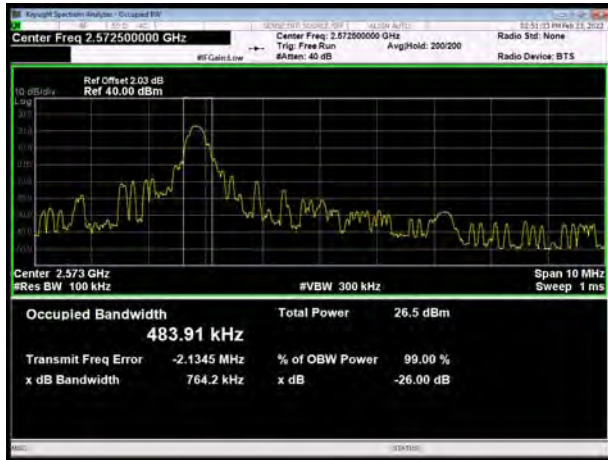
LTE Band 13 16QAM 5MHz CH-High



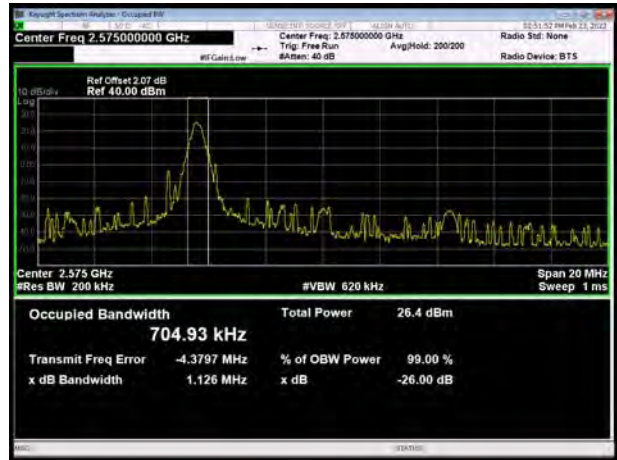


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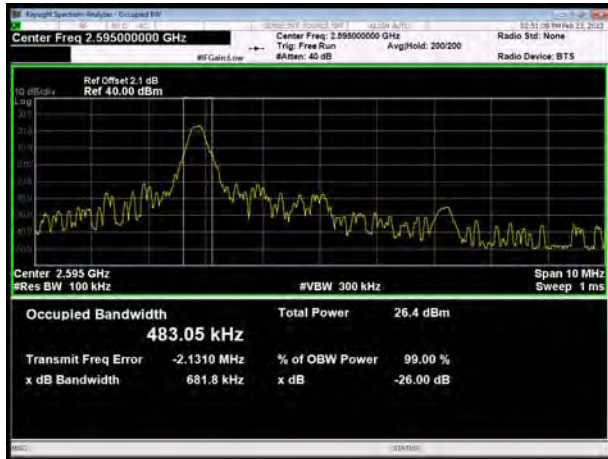
LTE Band 38 QPSK 5MHz CH-Low



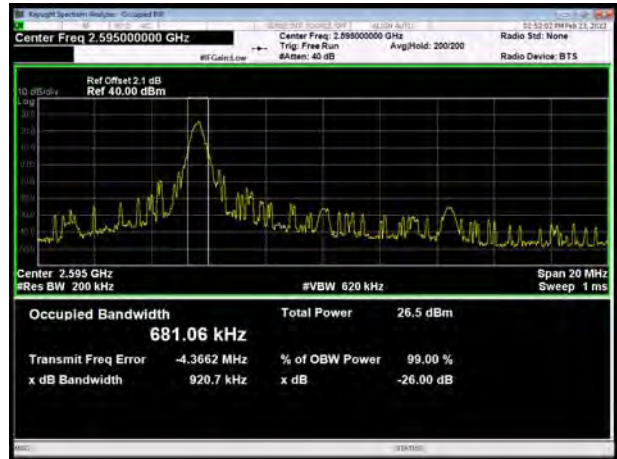
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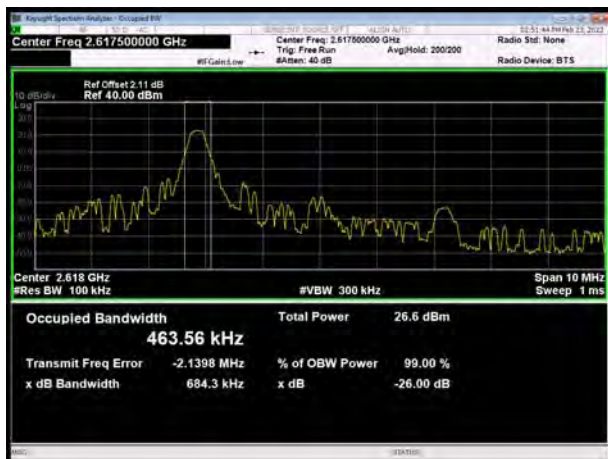
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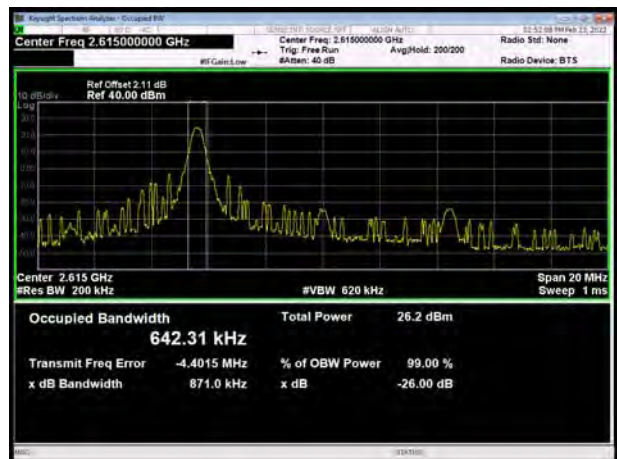
LTE Band 38 QPSK 10MHz CH-Middle



LTE Band 38 QPSK 5MHz CH-High

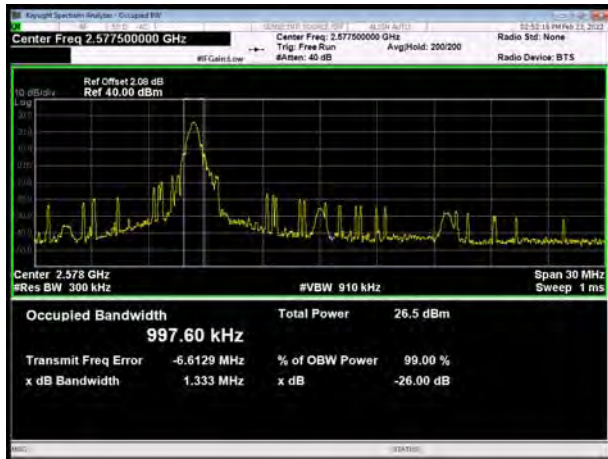


LTE Band 38 QPSK 10MHz CH-High

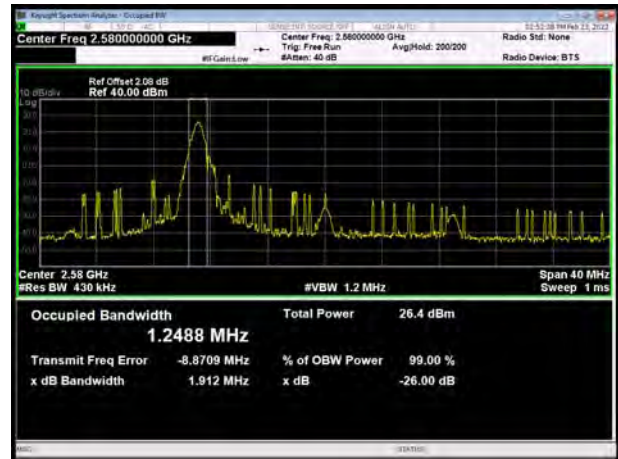




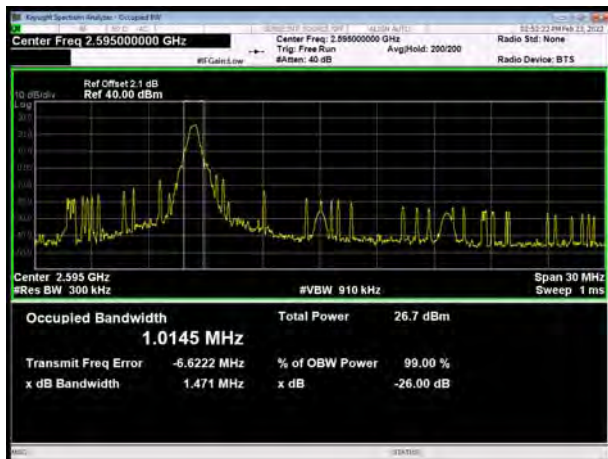
LTE Band 38 QPSK 15MHz CH-Low



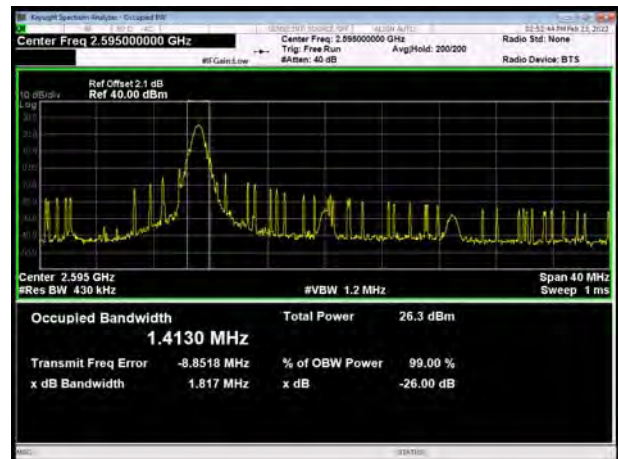
LTE Band 38 QPSK 20MHz CH-Low



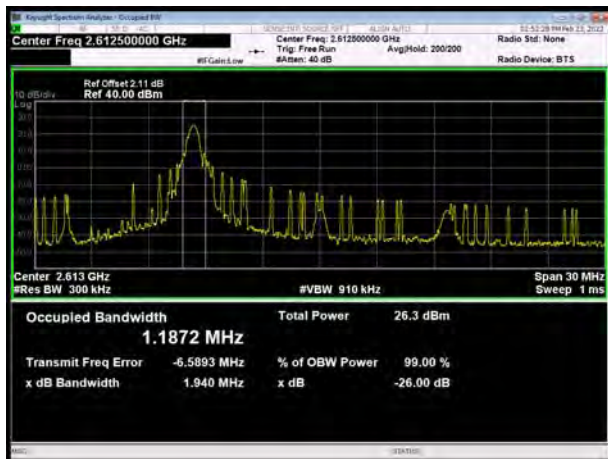
LTE Band 38 QPSK 15MHz CH-Middle



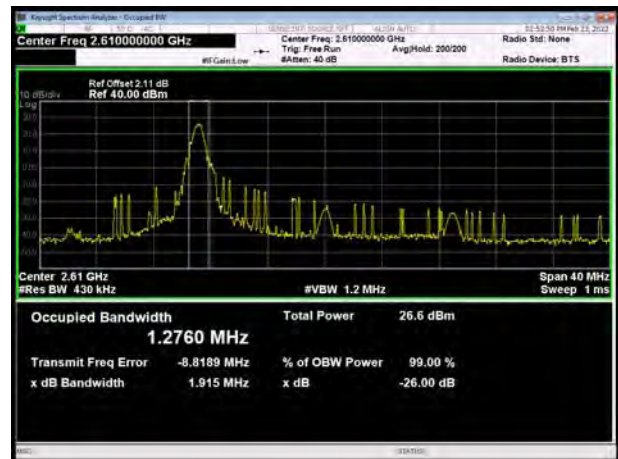
LTE Band 38 QPSK 20MHz CH-Middle



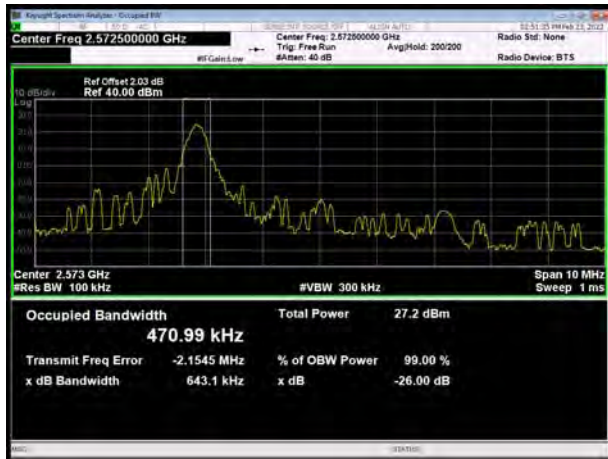
LTE Band 38 QPSK 15MHz CH-High



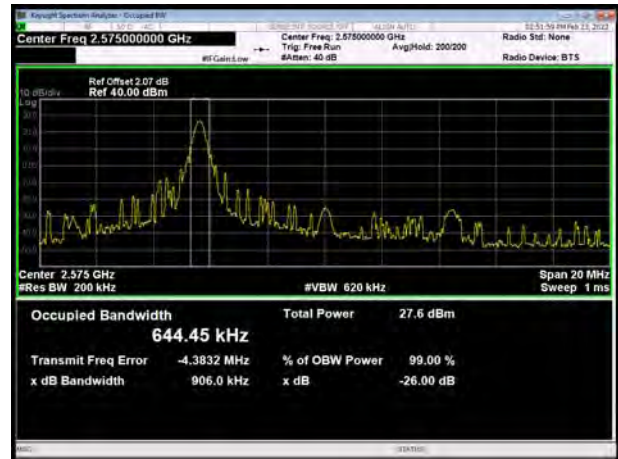
LTE Band 38 QPSK 20MHz CH-High



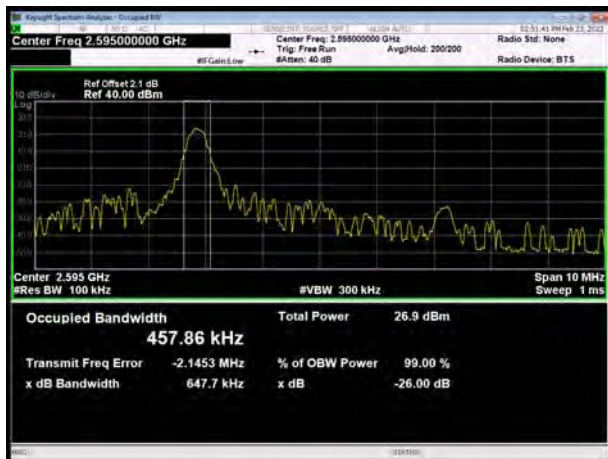
LTE Band 38 16QAM 5MHz CH-Low



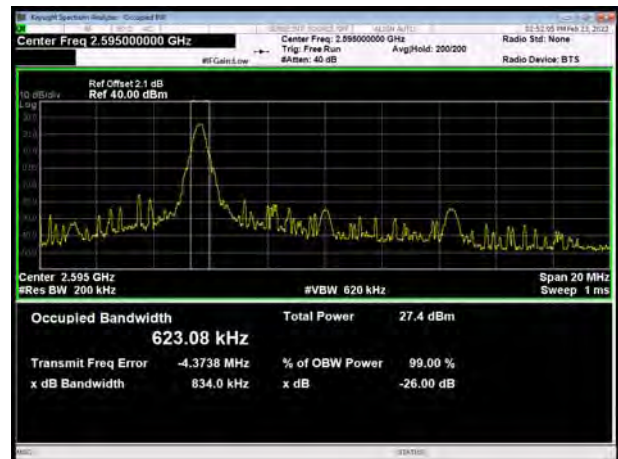
LTE Band 38 16QAM 10MHz CH-Low



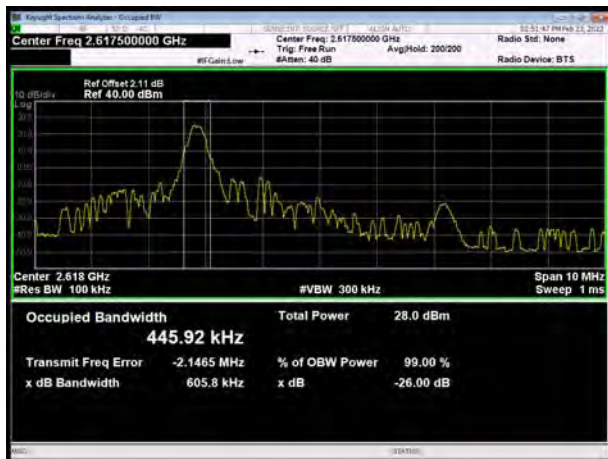
LTE Band 38 16QAM 5MHz CH-Middle



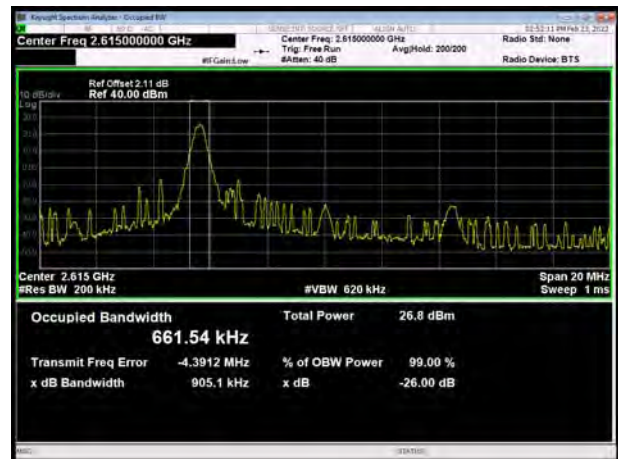
LTE Band 38 16QAM 10MHz CH-Middle



LTE Band 38 16QAM 5MHz CH-High

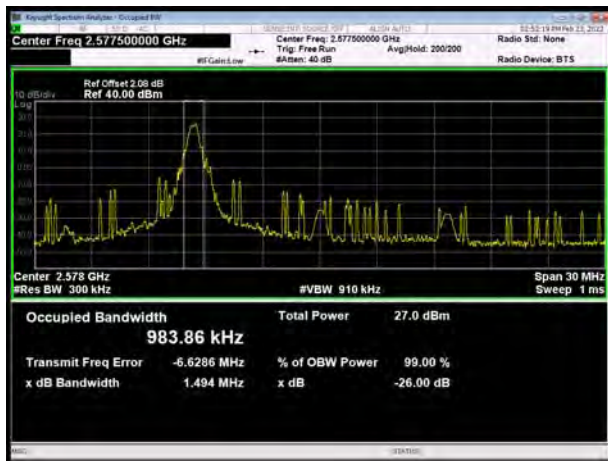


LTE Band 38 16QAM 10MHz CH-High

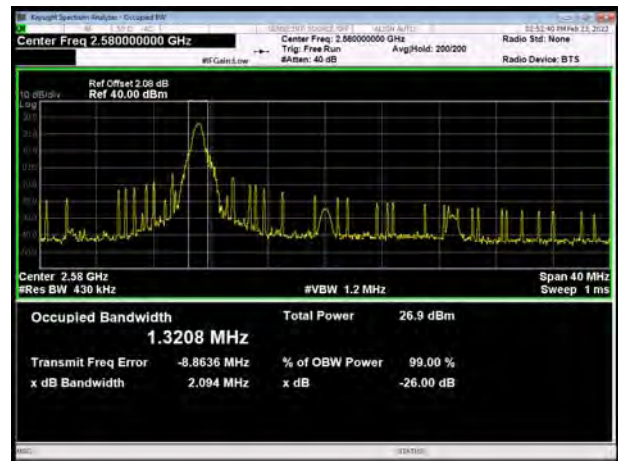




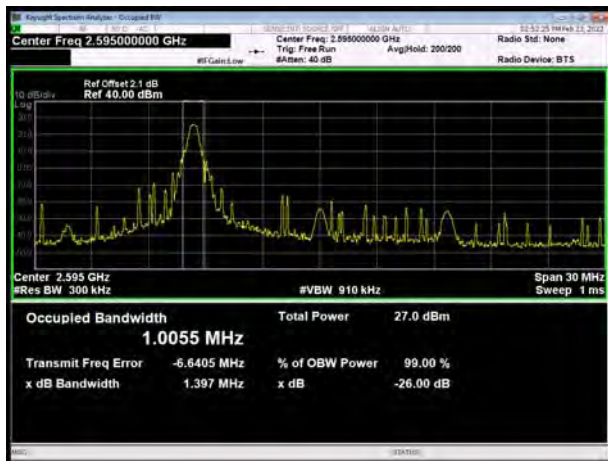
LTE Band 38 16QAM 15MHz CH-Low



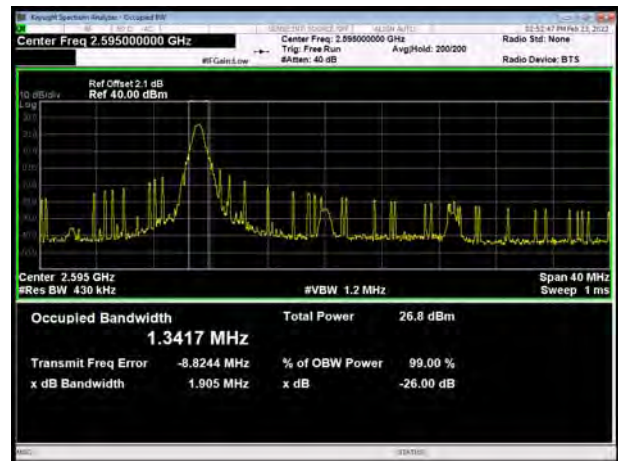
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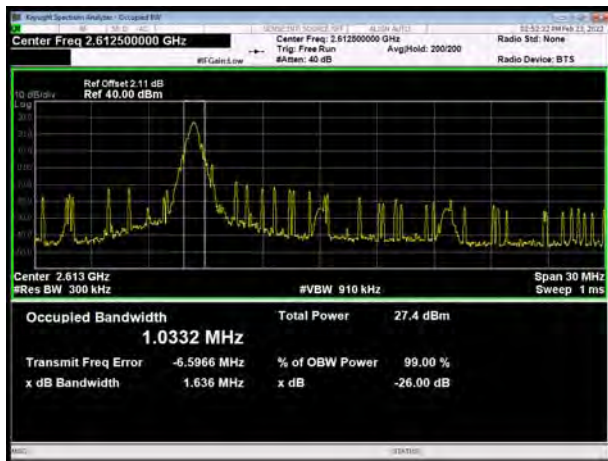
LTE Band 38 16QAM 15MHz CH-Middle



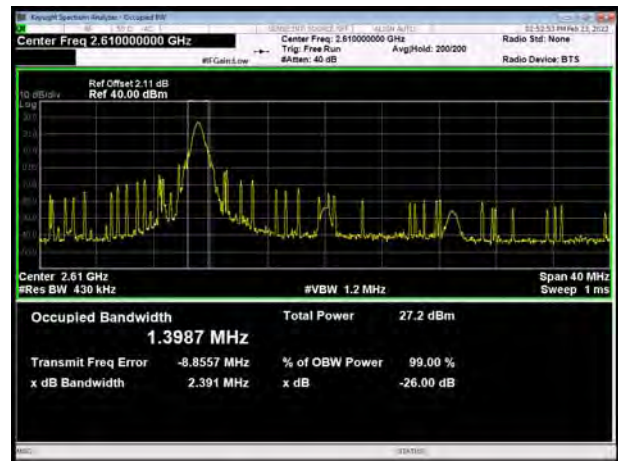
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LTE Band 38 16QAM 15MHz CH-High



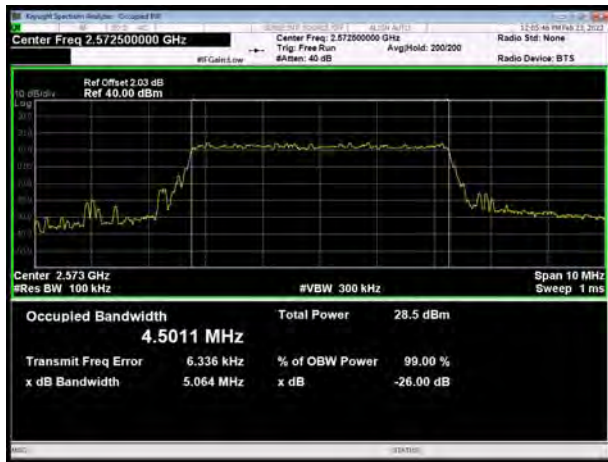
LTE Band 38 16QAM 20MHz CH-High



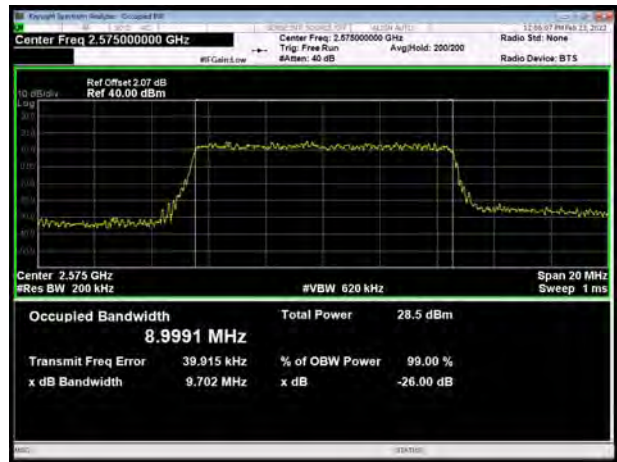


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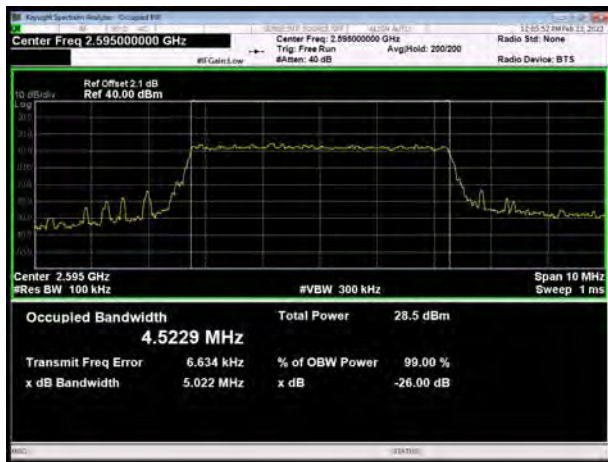
LTE Band 38 QPSK 5MHz CH-Low



LTE Band 38 QPSK 10MHz CH-Low



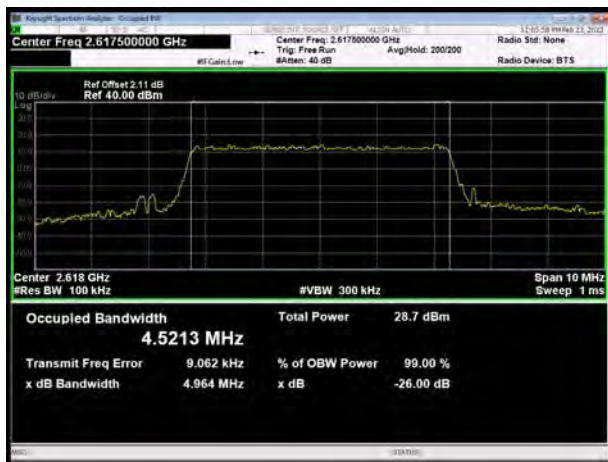
LTE Band 38 QPSK 5MHz CH-Middle



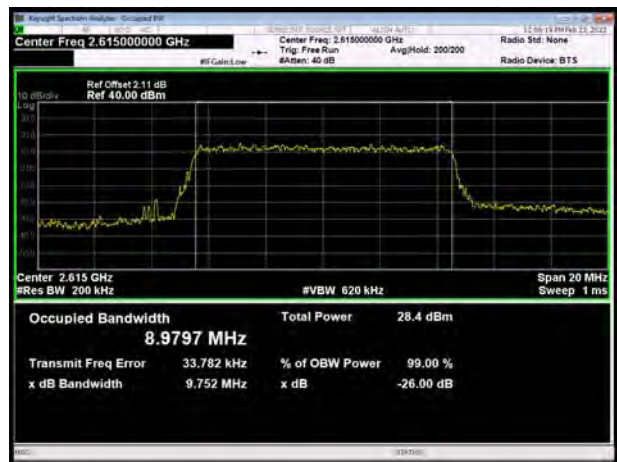
LTE Band 38 QPSK 10MHz CH-Middle



LTE Band 38 QPSK 5MHz CH-High

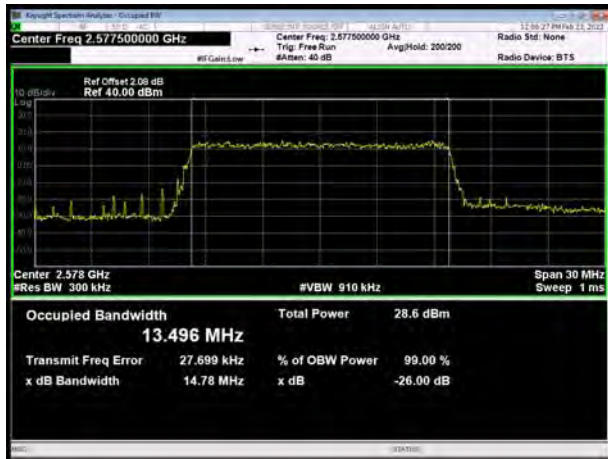


LTE Band 38 QPSK 10MHz CH-High

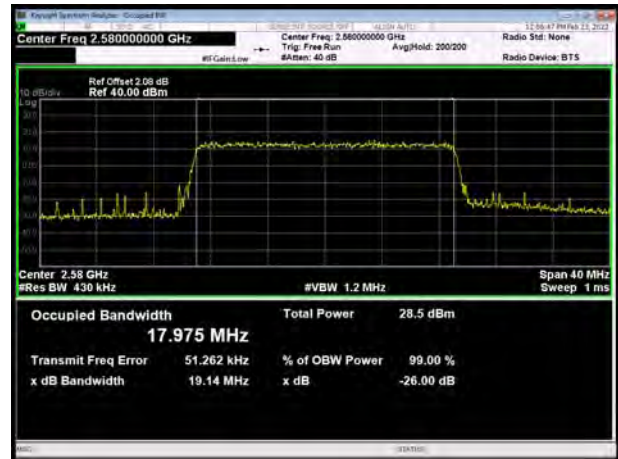




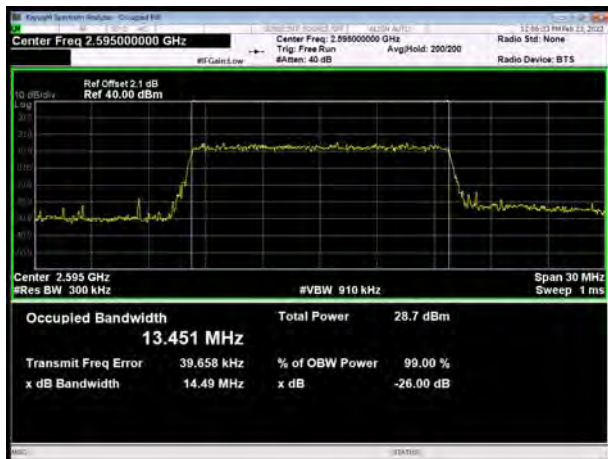
LTE Band 38 QPSK 15MHz CH-Low



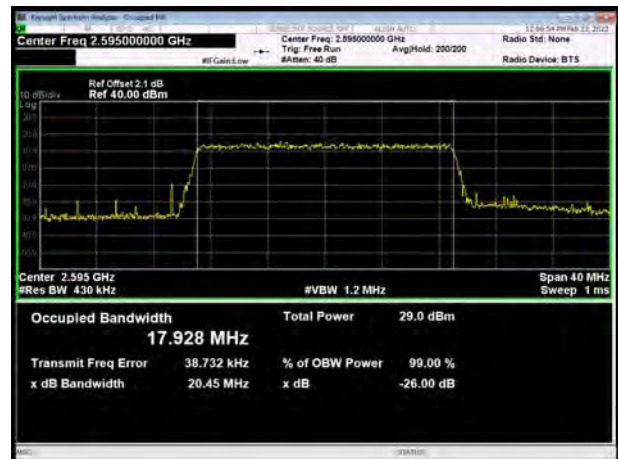
LTE Band 38 QPSK 20MHz CH-Low



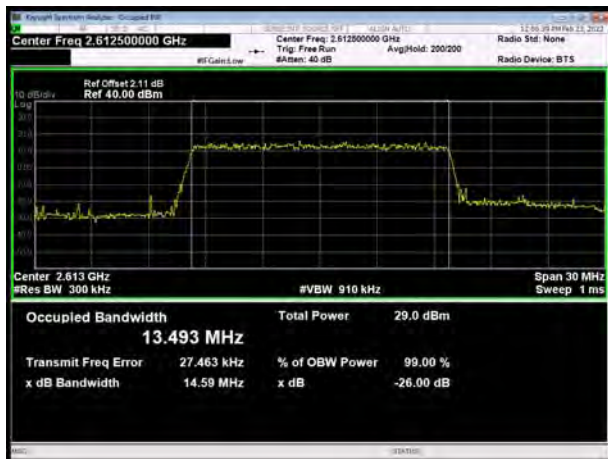
LTE Band 38 QPSK 15MHz CH-Middle



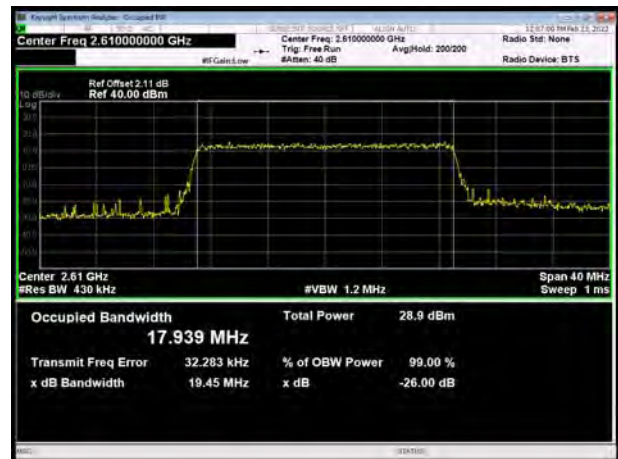
LTE Band 38 QPSK 20MHz CH-Middle



LTE Band 38 QPSK 15MHz CH-High

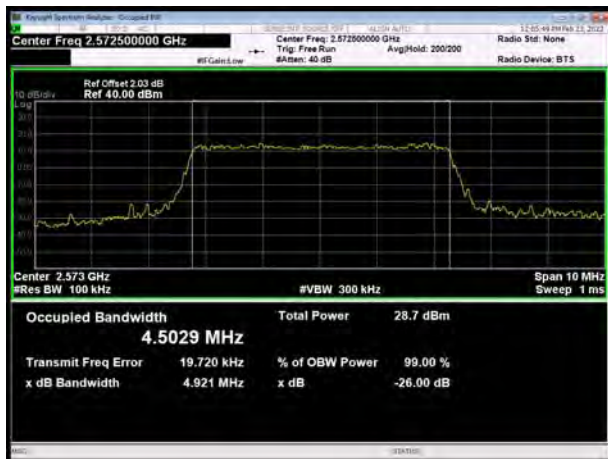


LTE Band 38 QPSK 20MHz CH-High

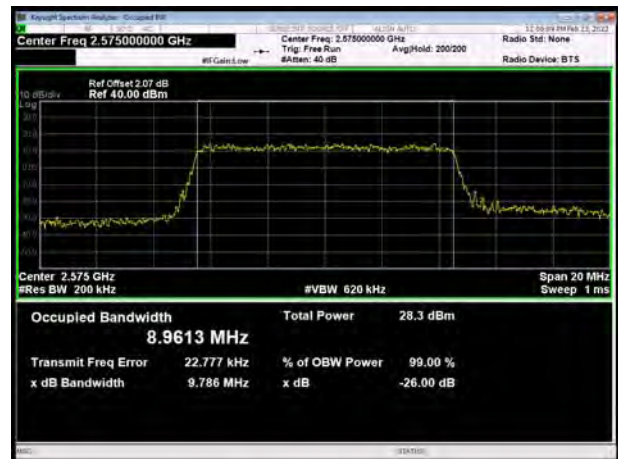




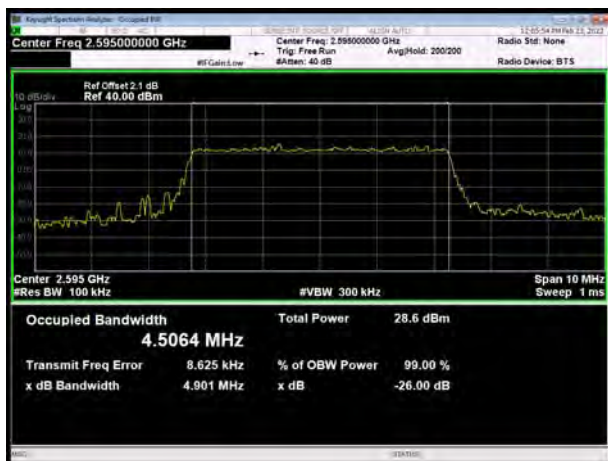
LTE Band 38 16QAM 5MHz CH-Low



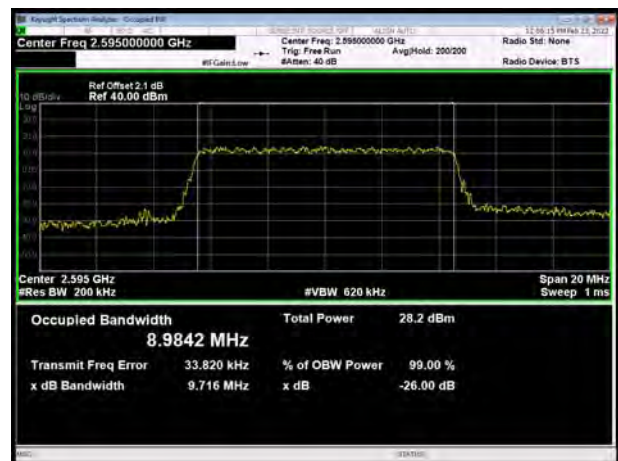
LTE Band 38 16QAM 10MHz CH-Low



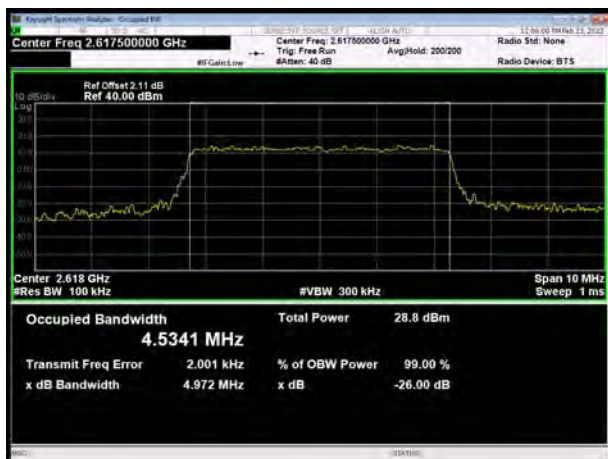
LTE Band 38 16QAM 5MHz CH-Middle



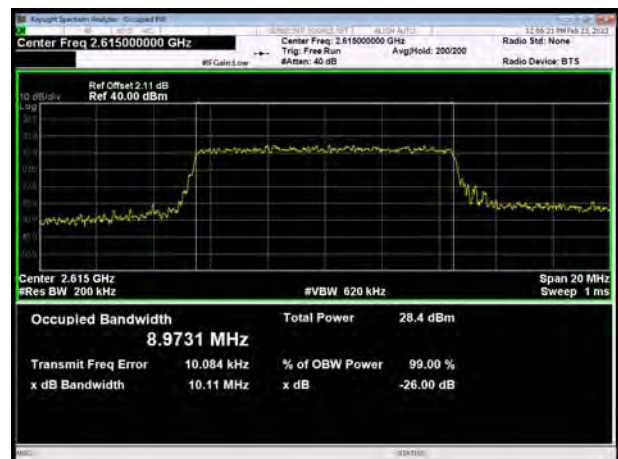
LTE Band 38 16QAM 10MHz CH-Middle



LTE Band 38 16QAM 5MHz CH-High

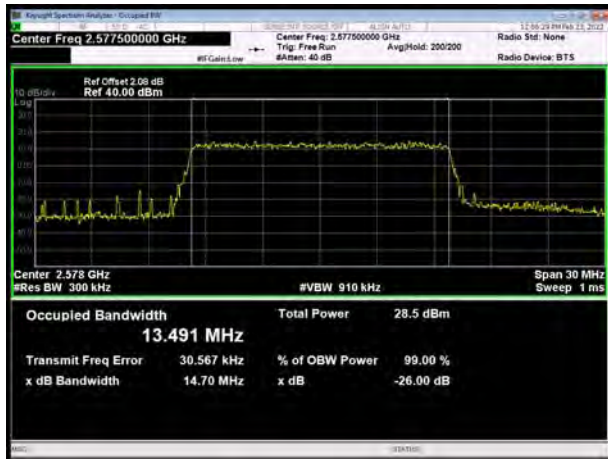


LTE Band 38 16QAM 10MHz CH-High

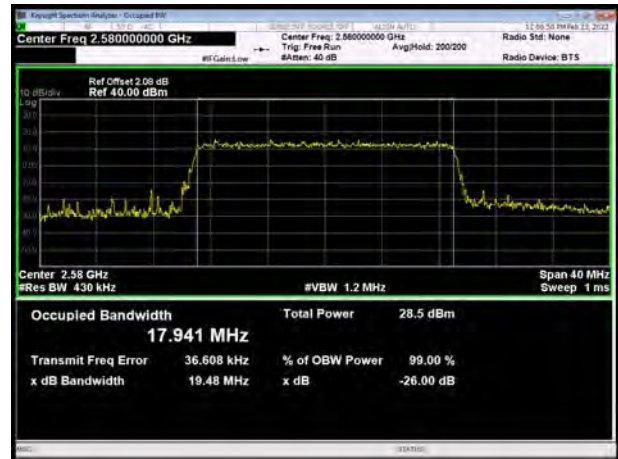




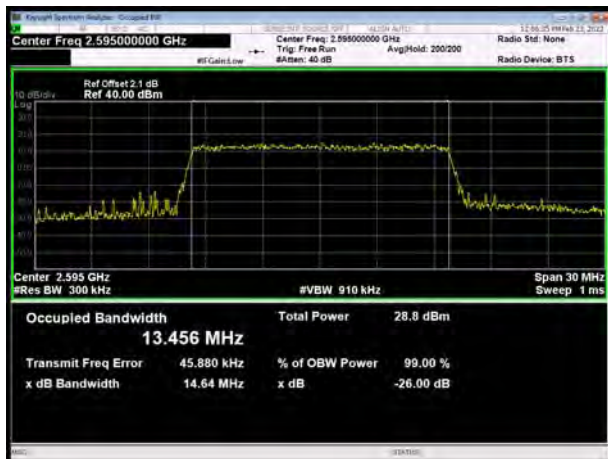
LTE Band 38 16QAM 15MHz CH-Low



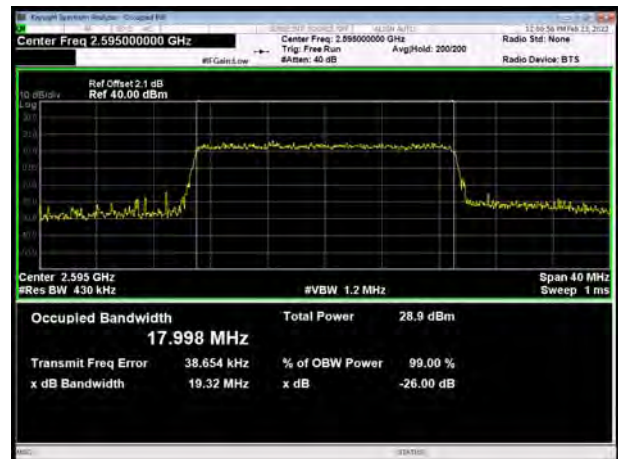
LTE Band 38 16QAM 20MHz CH-Low



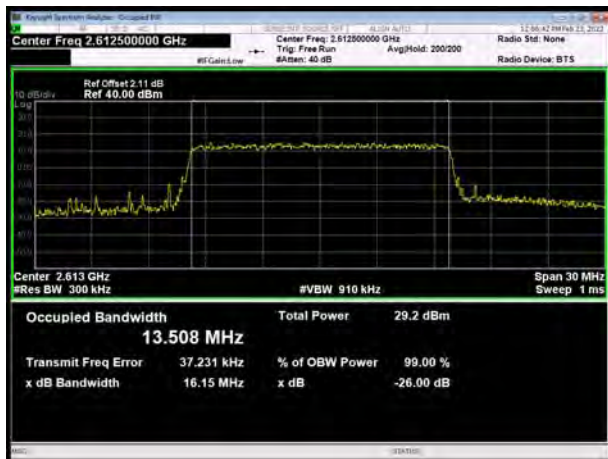
LTE Band 38 16QAM 15MHz CH-Middle



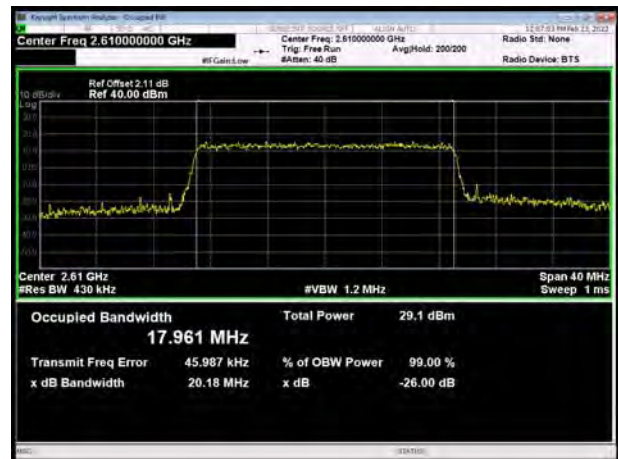
LTE Band 38 16QAM 20MHz CH-Middle



LTE Band 38 16QAM 15MHz CH-High



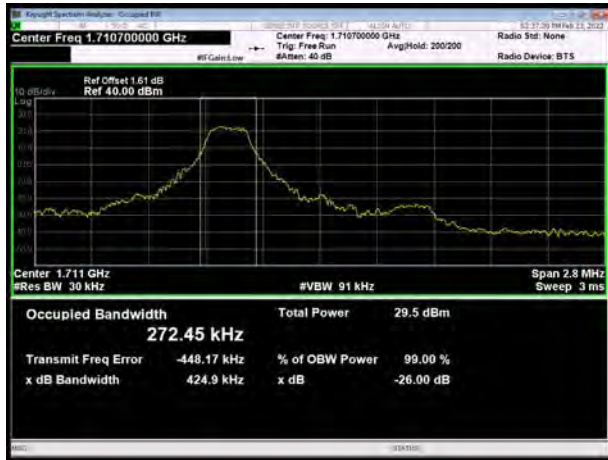
LTE Band 38 16QAM 20MHz CH-High



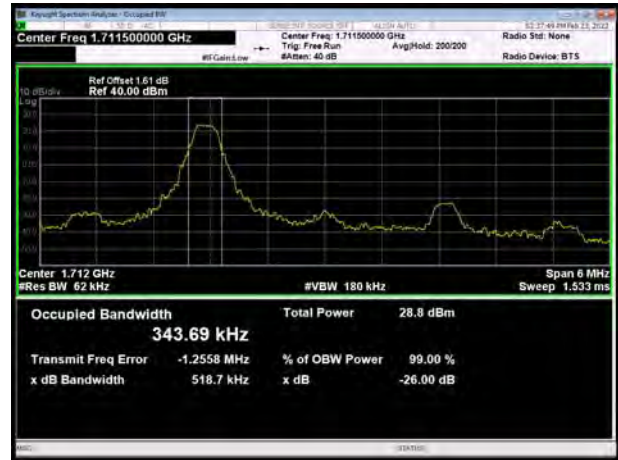


1 RB

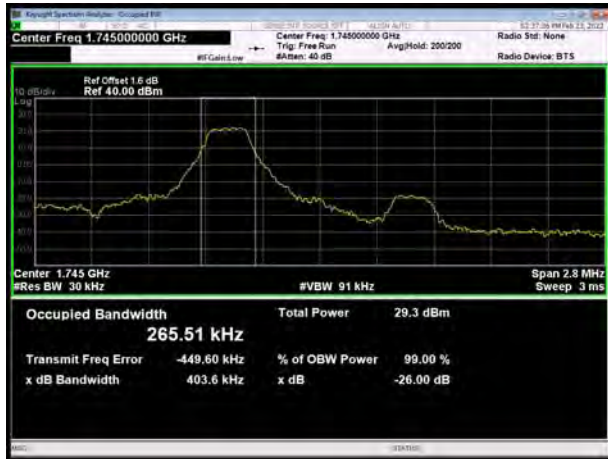
LTE Band 66 QPSK 1.4MHz CH-Low



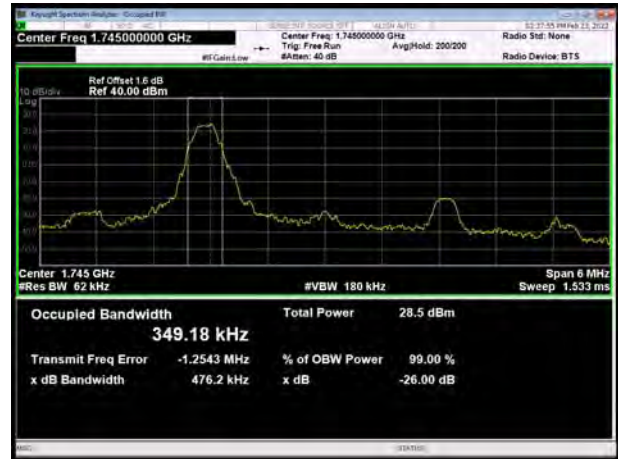
LTE Band 66 QPSK 3MHz CH-Low



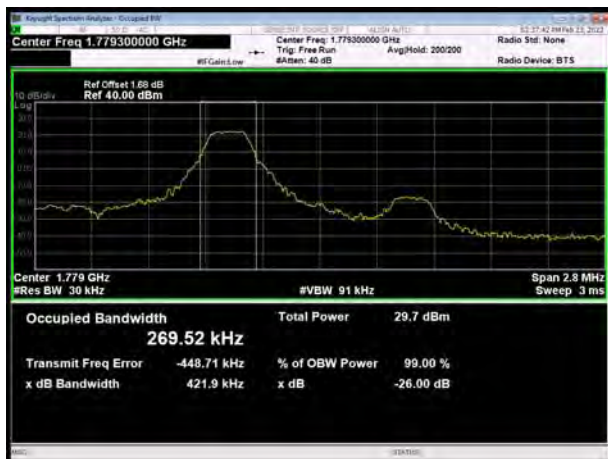
LTE Band 66 QPSK 1.4MHz CH-Middle



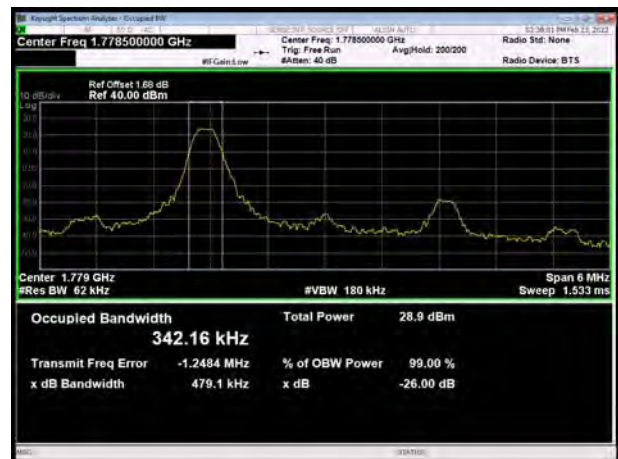
LTE Band 66 QPSK 3MHz CH-Middle



LTE Band 66 QPSK 1.4MHz CH-High



LTE Band 66 QPSK 3MHz CH-High

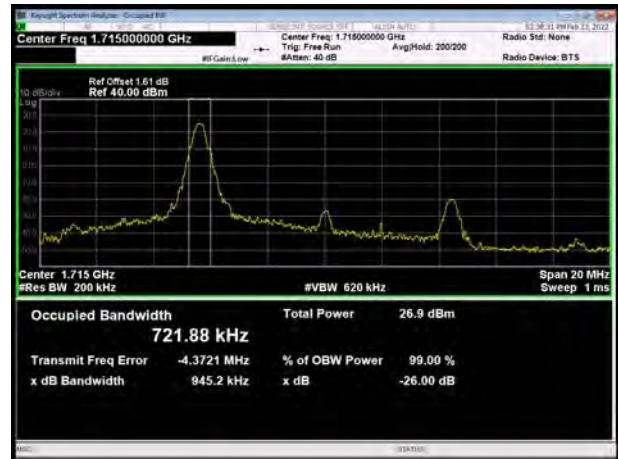




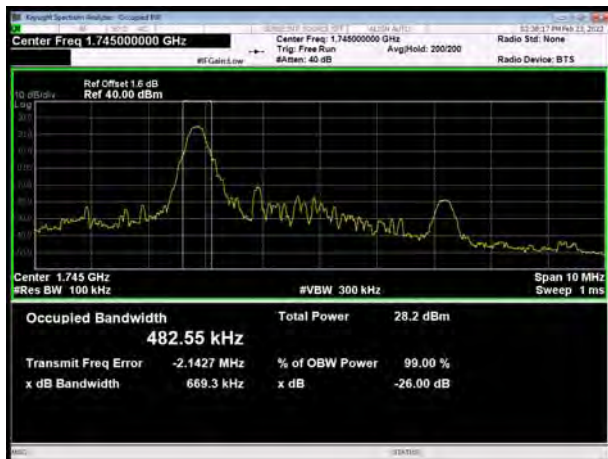
LTE Band 66 QPSK 5MHz CH-Low



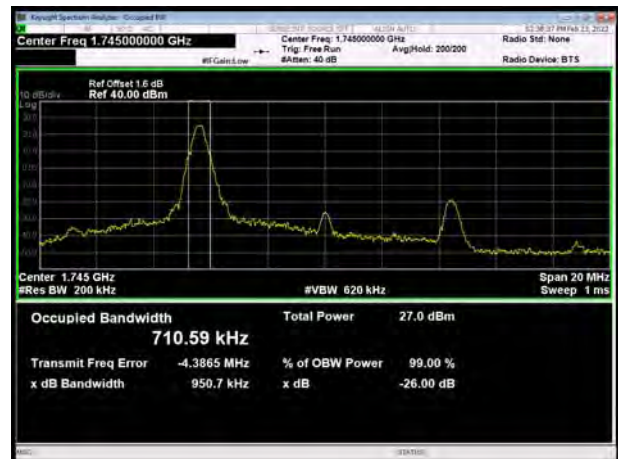
LTE Band 66 QPSK 10MHz CH-Low



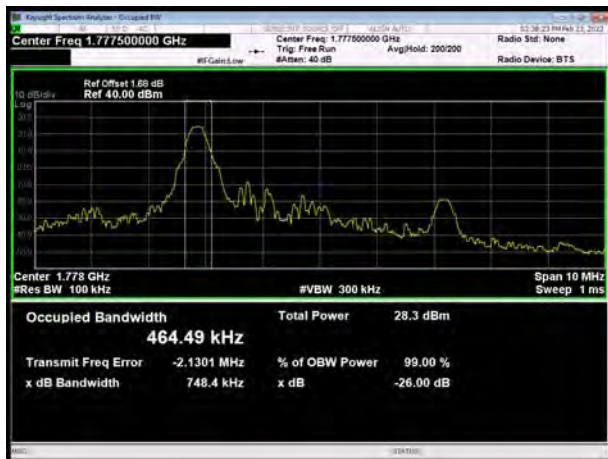
LTE Band 66 QPSK 5MHz CH-Middle



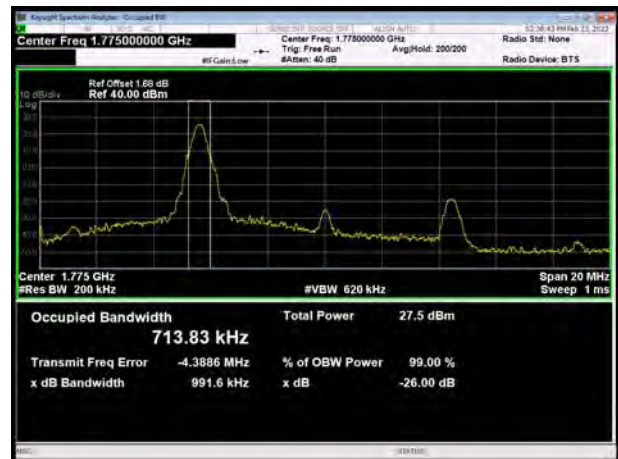
LTE Band 66 QPSK 10MHz CH-Middle



LTE Band 66 QPSK 5MHz CH-High

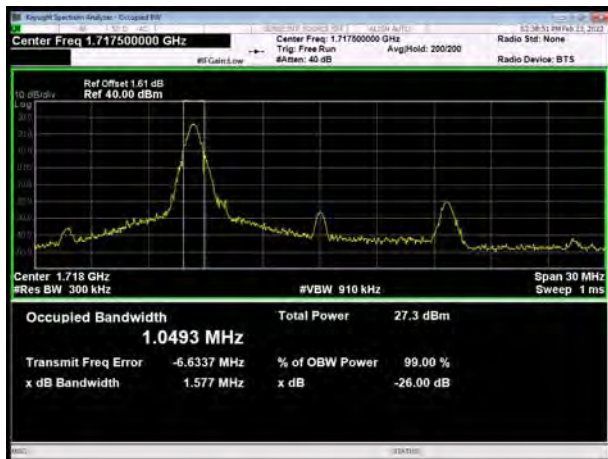


LTE Band 66 QPSK 10MHz CH-High

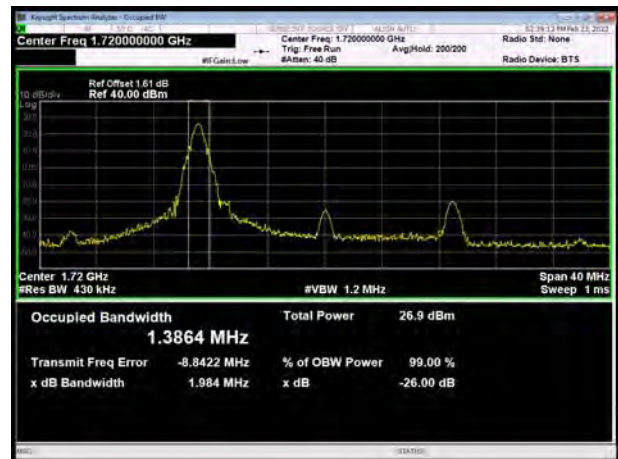




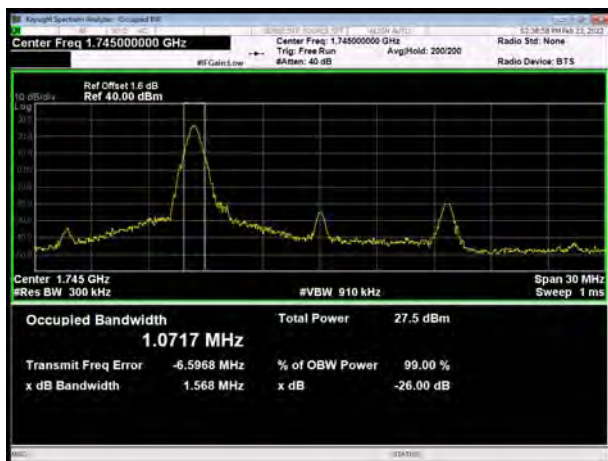
LTE Band 66 QPSK 15MHz CH-Low



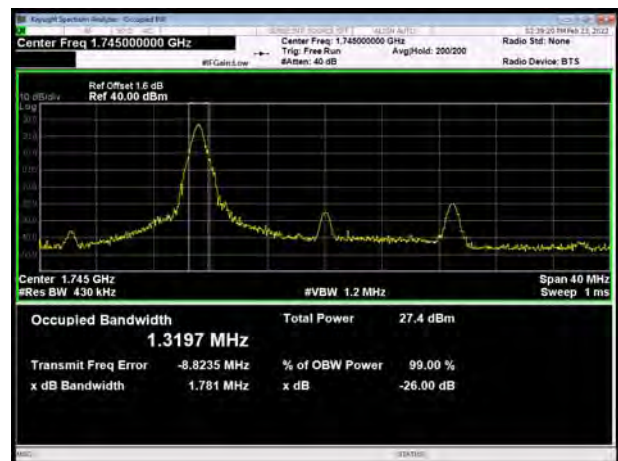
LTE Band 66 QPSK 20MHz CH-Low



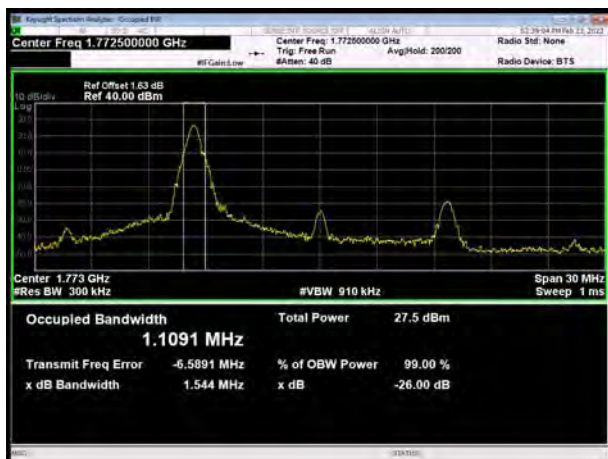
LTE Band 66 QPSK 15MHz CH-Middle



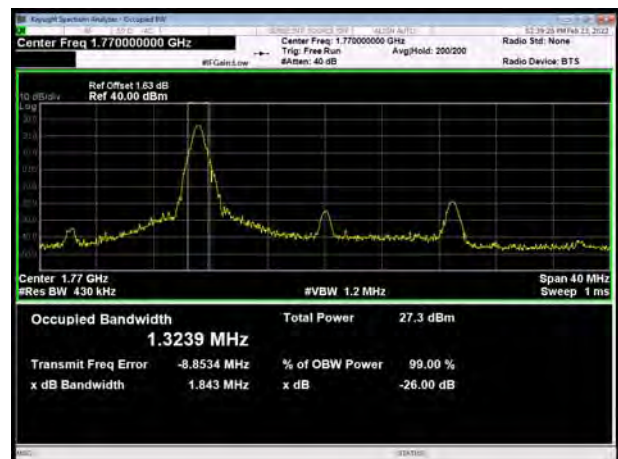
LTE Band 66 QPSK 20MHz CH-Middle



LTE Band 66 QPSK 15MHz CH-High

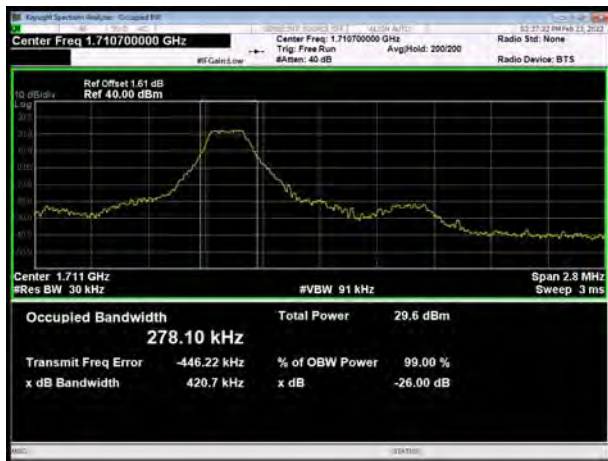


LTE Band 66 QPSK 20MHz CH-High

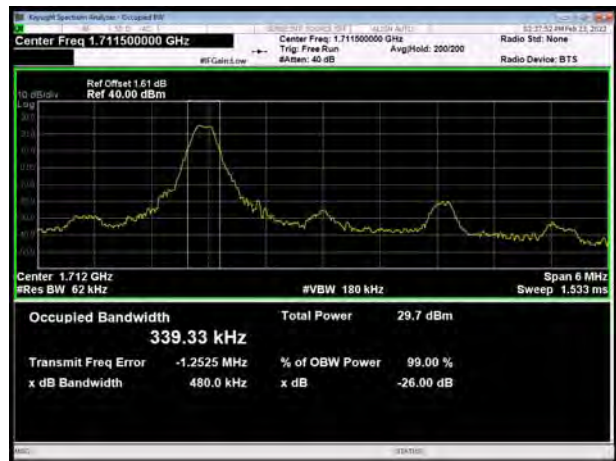




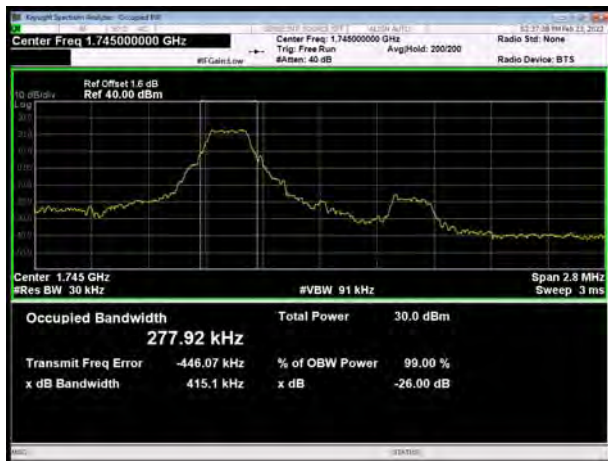
LTE Band 66 16QAM 1.4MHz CH-Low



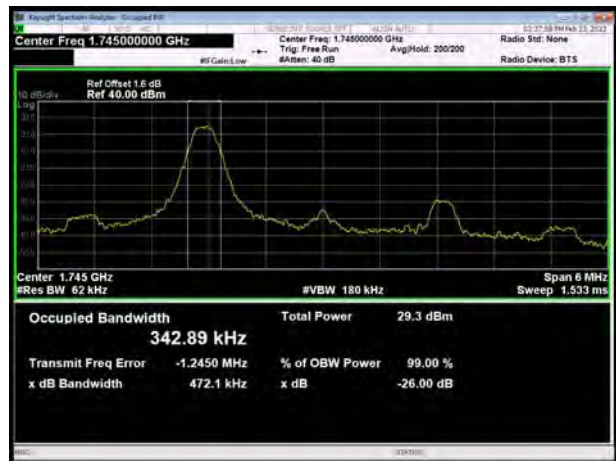
LTE Band 66 16QAM 3MHz CH-Low



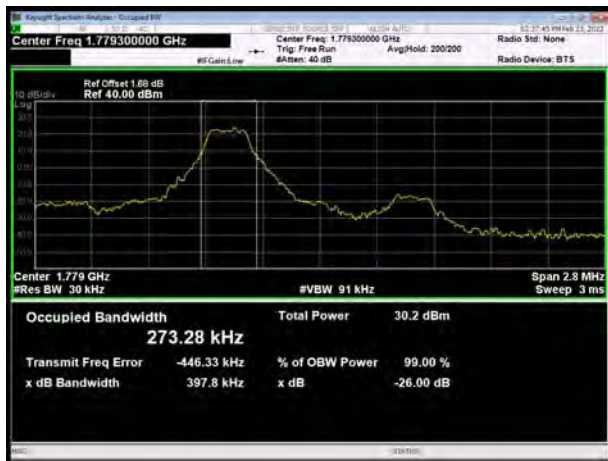
LTE Band 66 16QAM 1.4MHz CH-Middle



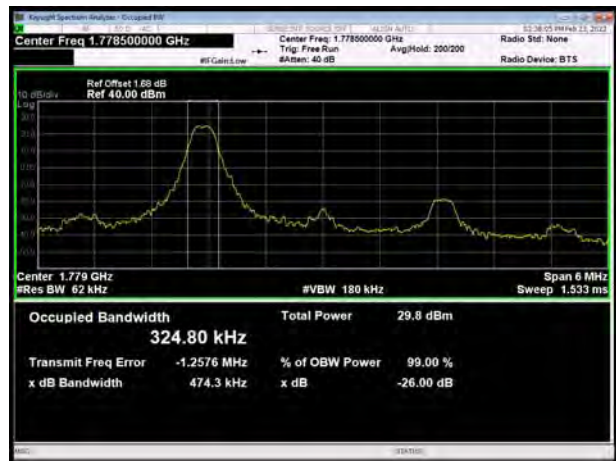
LTE Band 66 16QAM 3MHz CH-Middle



LTE Band 66 16QAM 1.4MHz CH-High

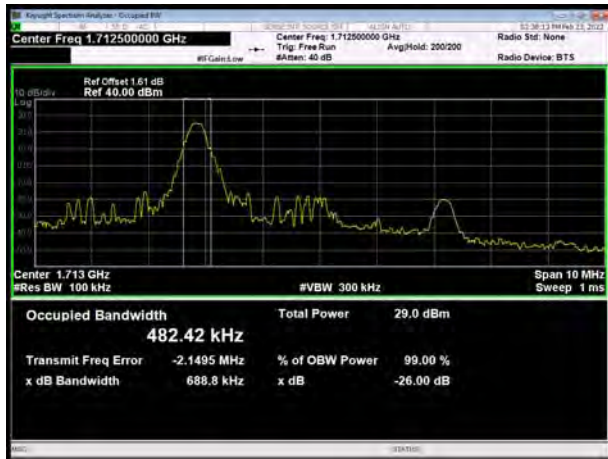


LTE Band 66 16QAM 3MHz CH-High

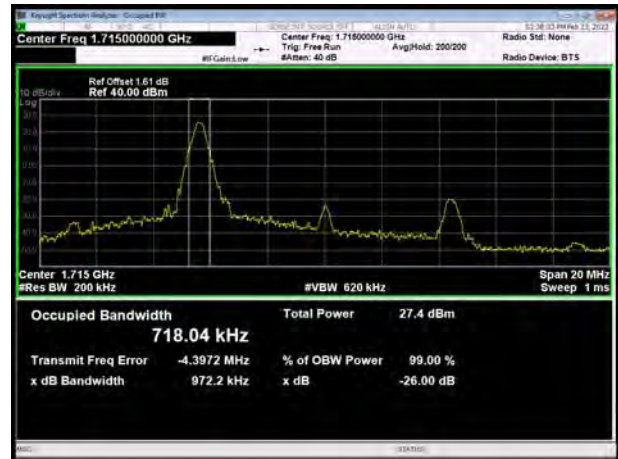




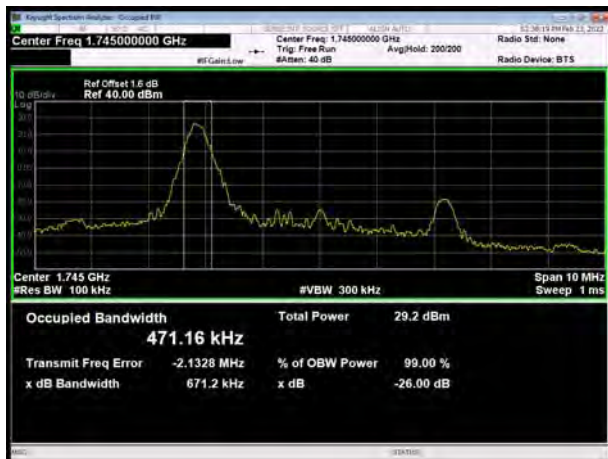
LTE Band 66 16QAM 5MHz CH-Low



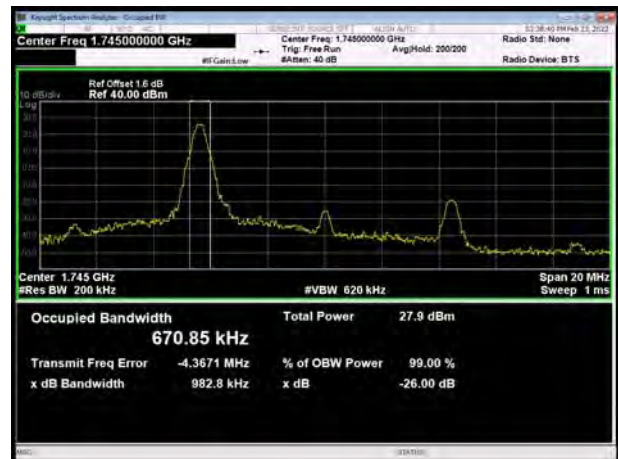
LTE Band 66 16QAM 10MHz CH-Low



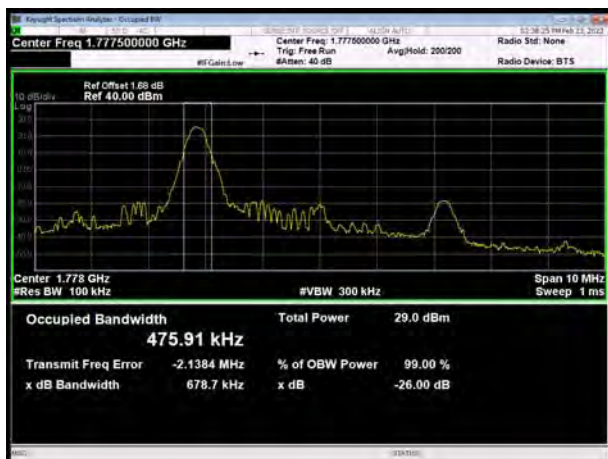
LTE Band 66 16QAM 5MHz CH-Middle



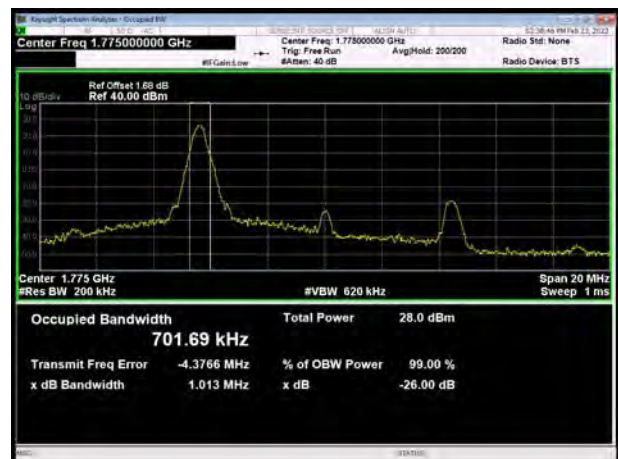
LTE Band 66 16QAM 10MHz CH-Middle



LTE Band 66 16QAM 5MHz CH-High

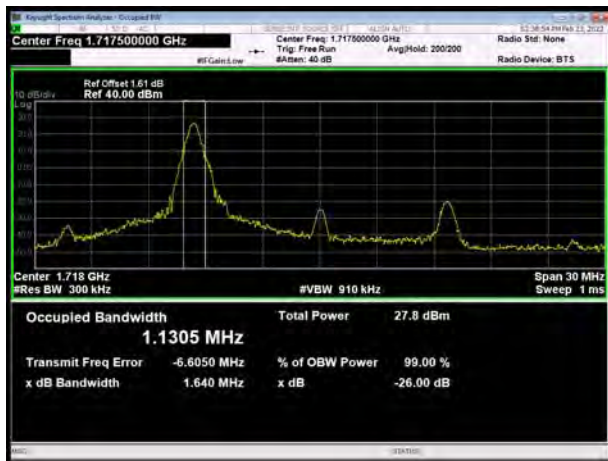


LTE Band 66 16QAM 10MHz CH-High

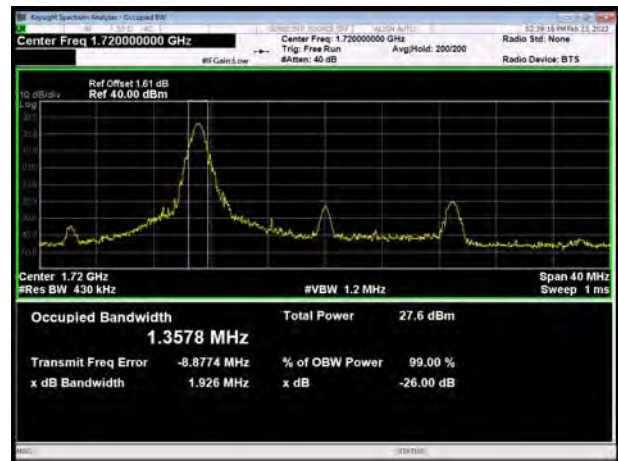




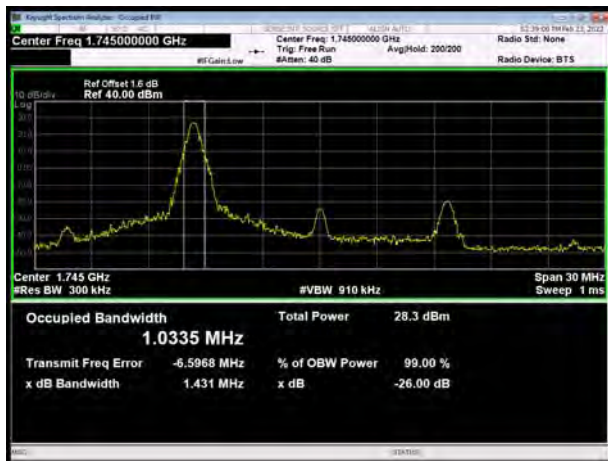
LTE Band 66 16QAM 15MHz CH-Low



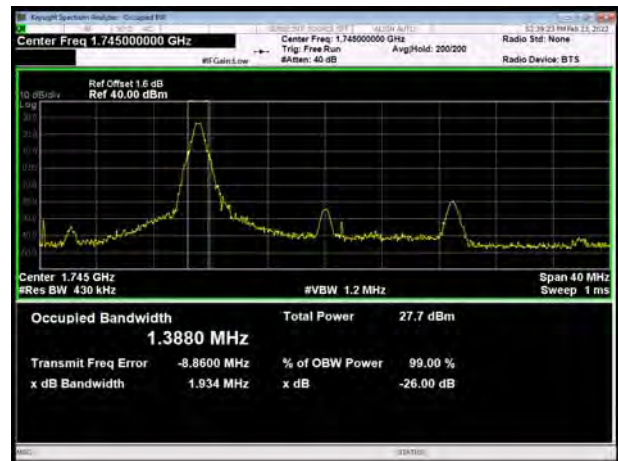
LTE Band 66 16QAM 20MHz CH-Low



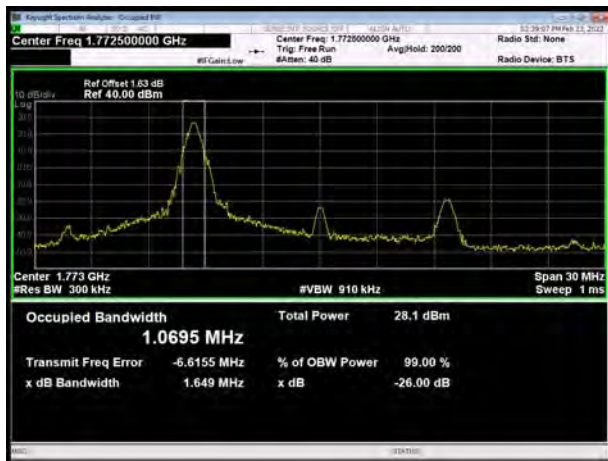
LTE Band 66 16QAM 15MHz CH-Middle



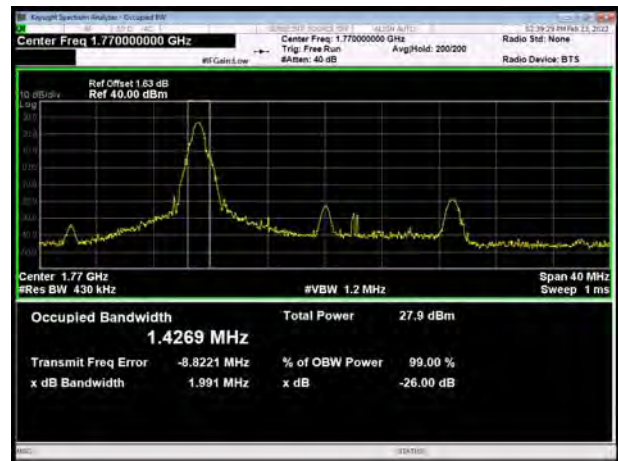
LTE Band 66 16QAM 20MHz CH-Middle



LTE Band 66 16QAM 15MHz CH-High



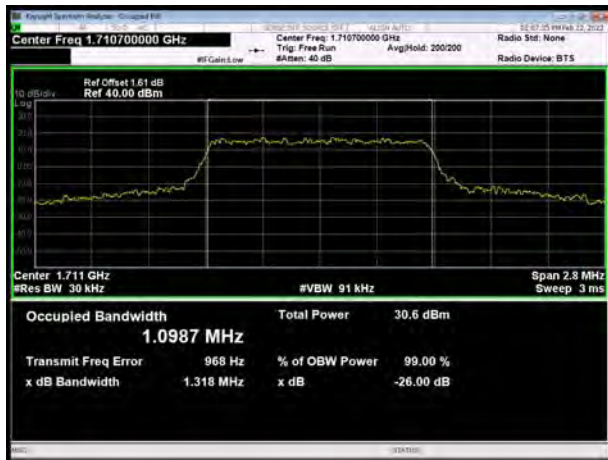
LTE Band 66 16QAM 20MHz CH-High



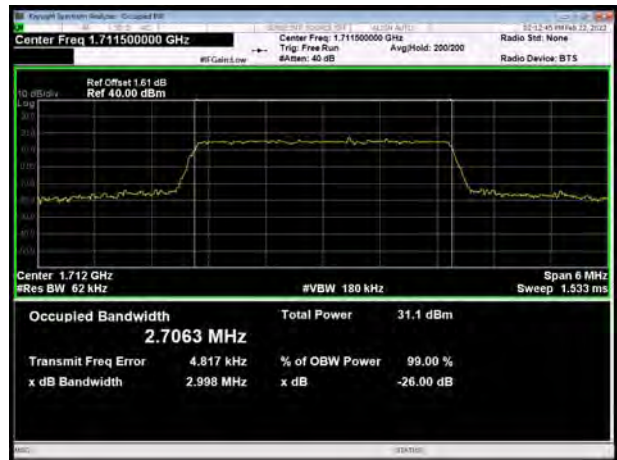


100% RB

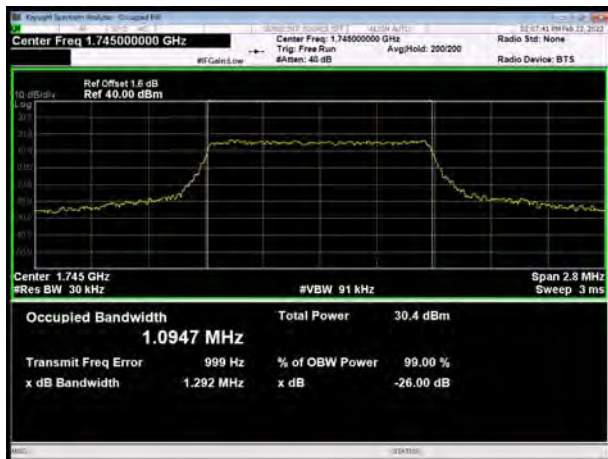
LTE Band 66 QPSK 1.4MHz CH-Low



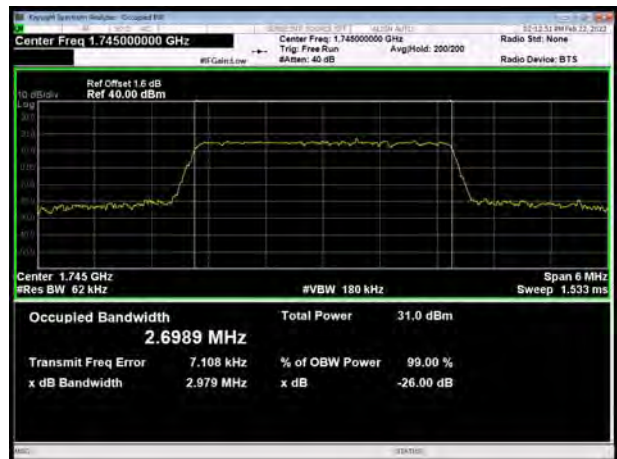
LTE Band 66 QPSK 3MHz CH-Low



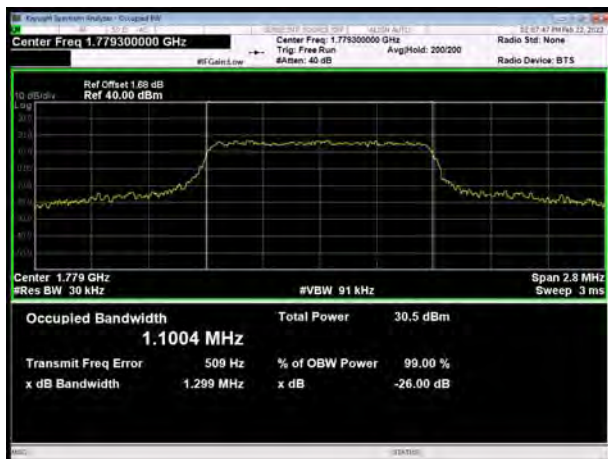
LTE Band 66 QPSK 1.4MHz CH-Middle



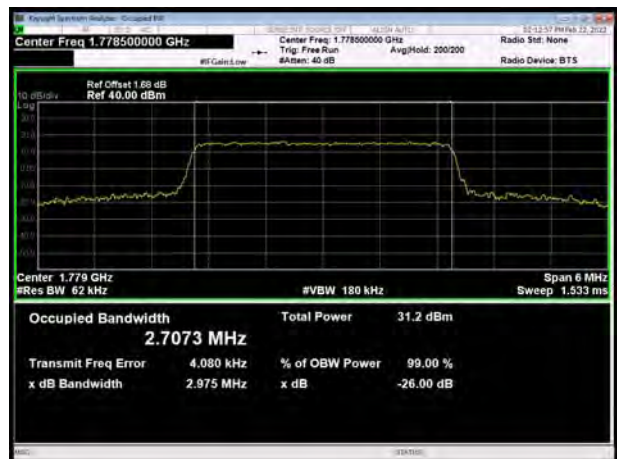
LTE Band 66 QPSK 3MHz CH-Middle



LTE Band 66 QPSK 1.4MHz CH-High

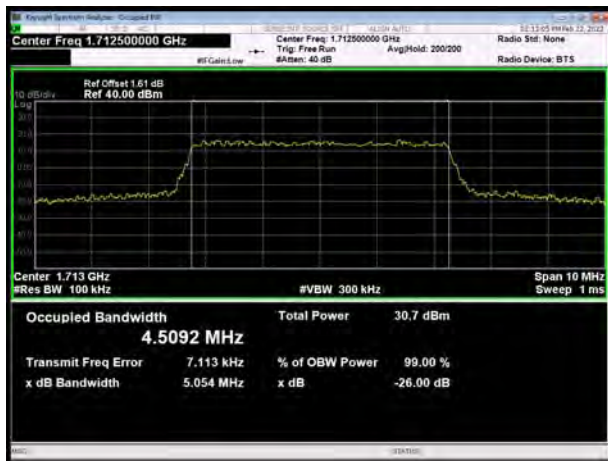


LTE Band 66 QPSK 3MHz CH-High





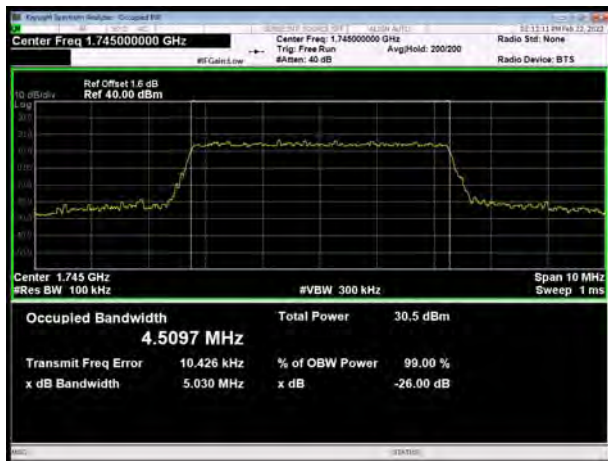
LTE Band 66 QPSK 5MHz CH-Low



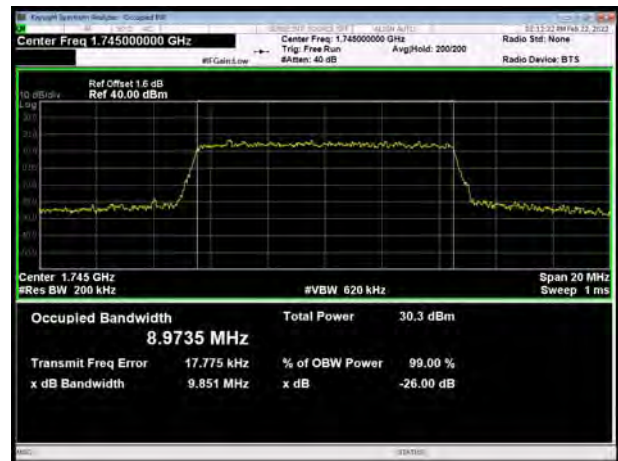
LTE Band 66 QPSK 10MHz CH-Low



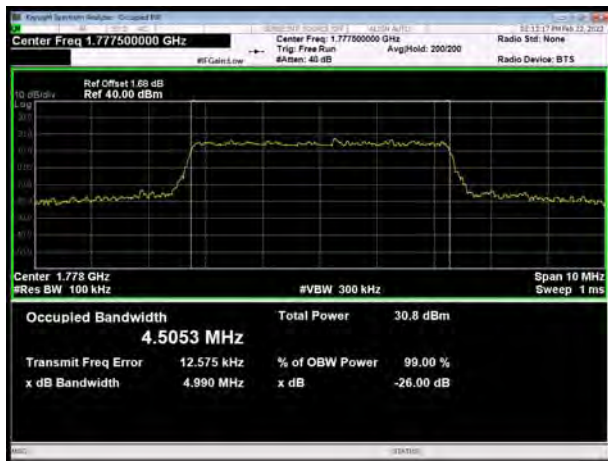
LTE Band 66 QPSK 5MHz CH-Middle



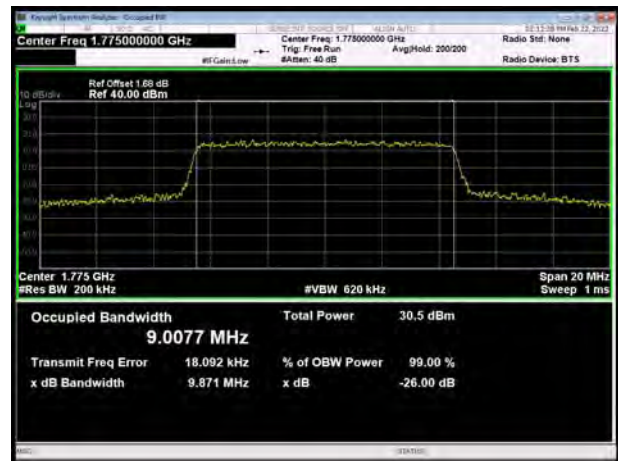
LTE Band 66 QPSK 10MHz CH-Middle



LTE Band 66 QPSK 5MHz CH-High

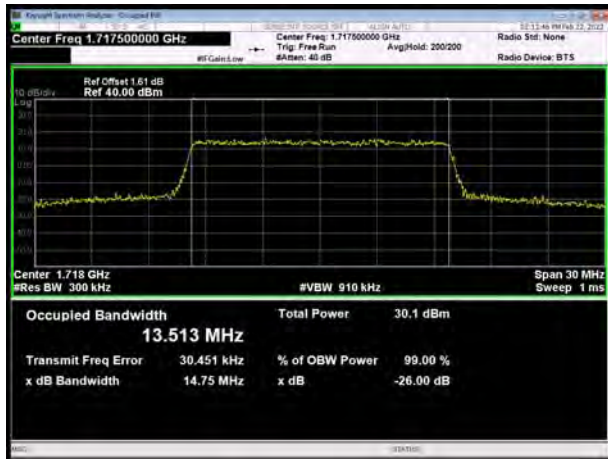


LTE Band 66 QPSK 10MHz CH-High

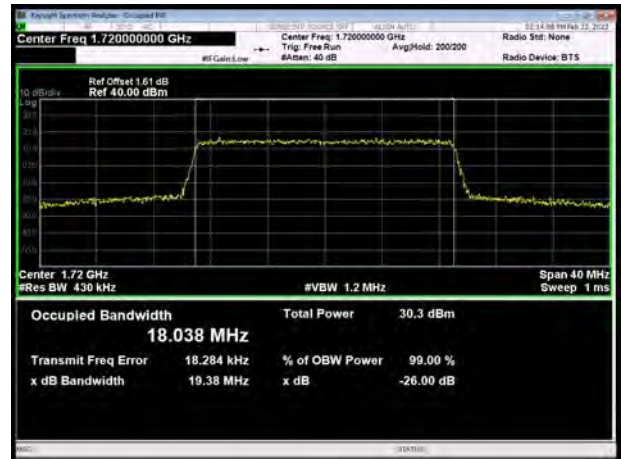




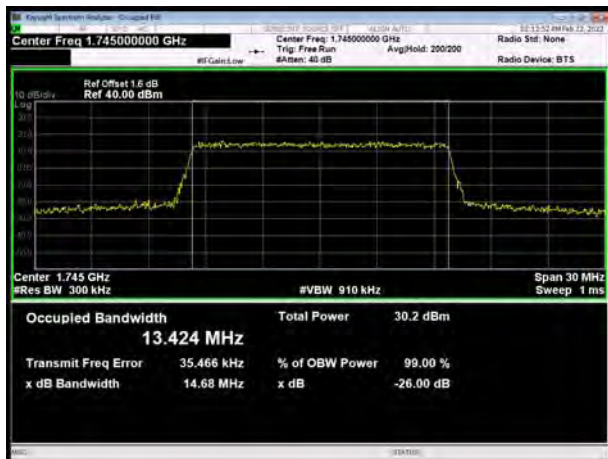
LTE Band 66 QPSK 15MHz CH-Low



LTE Band 66 QPSK 20MHz CH-Low



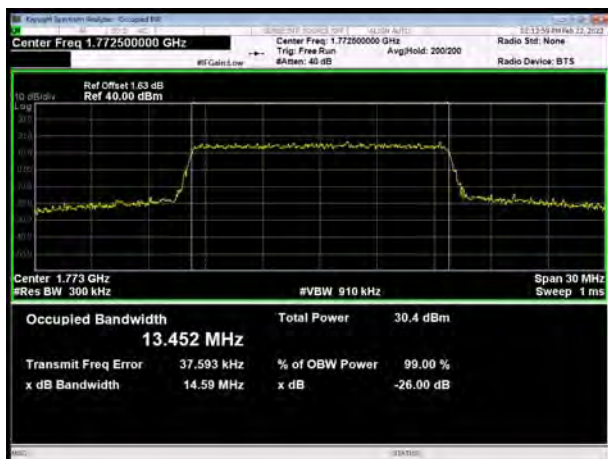
LTE Band 66 QPSK 15MHz CH-Middle



LTE Band 66 QPSK 20MHz CH-Middle



LTE Band 66 QPSK 15MHz CH-High

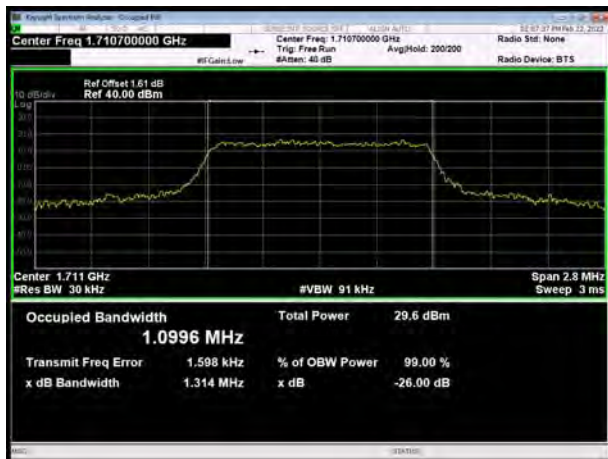


LTE Band 66 QPSK 20MHz CH-High

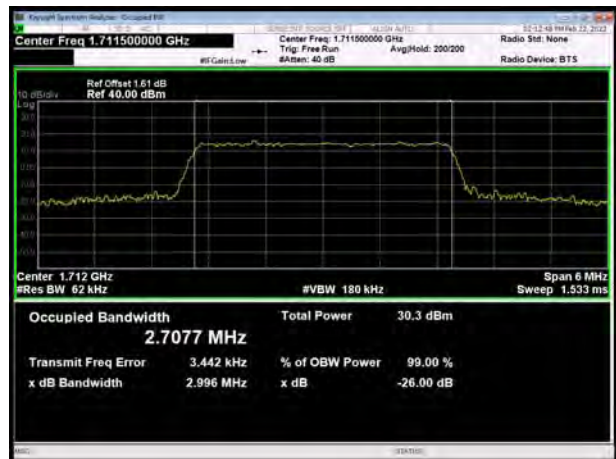




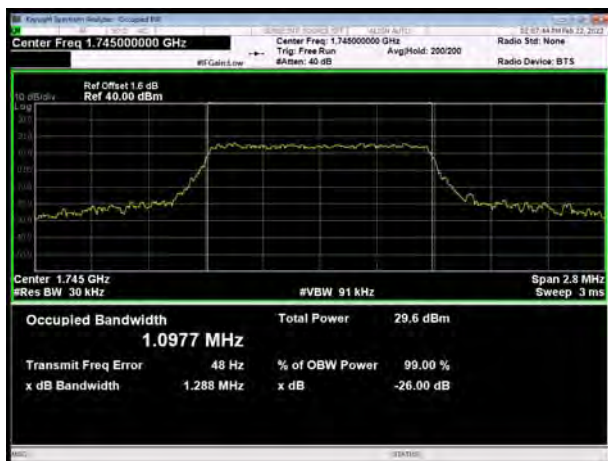
LTE Band 66 16QAM 1.4MHz CH-Low



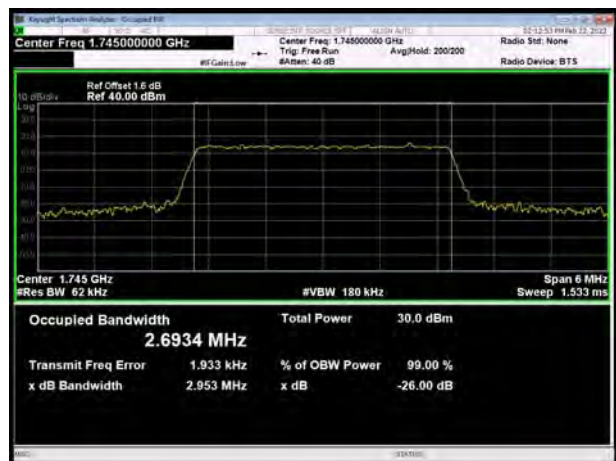
LTE Band 66 16QAM 3MHz CH-Low



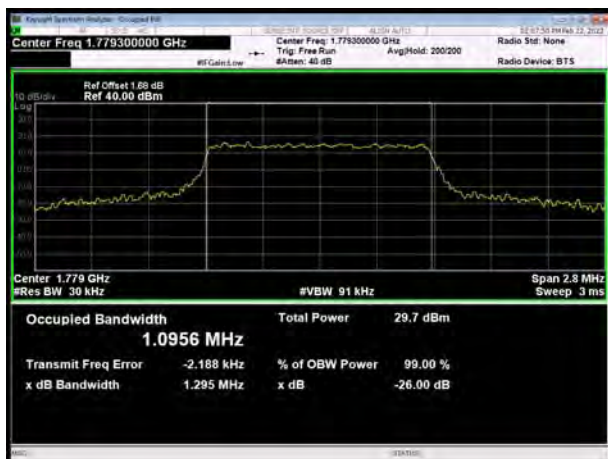
LTE Band 66 16QAM 1.4MHz CH-Middle



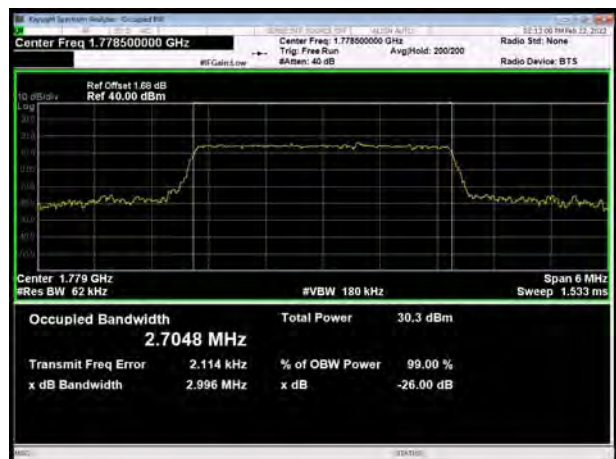
LTE Band 66 16QAM 3MHz CH-Middle



LTE Band 66 16QAM 1.4MHz CH-High

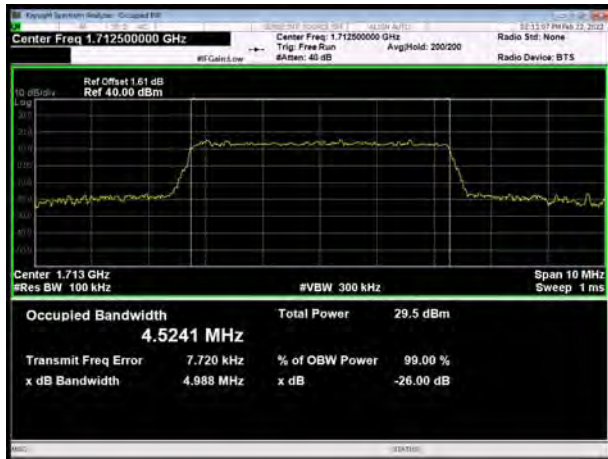


LTE Band 66 16QAM 3MHz CH-High

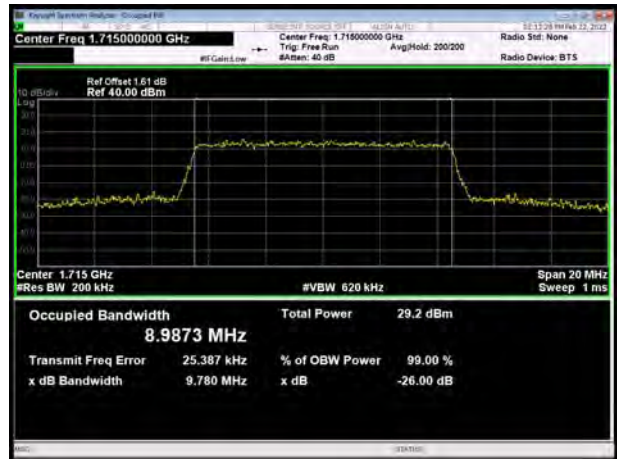




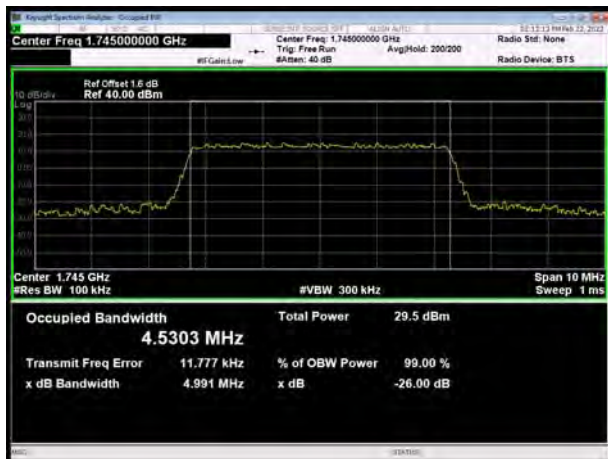
LTE Band 66 16QAM 5MHz CH-Low



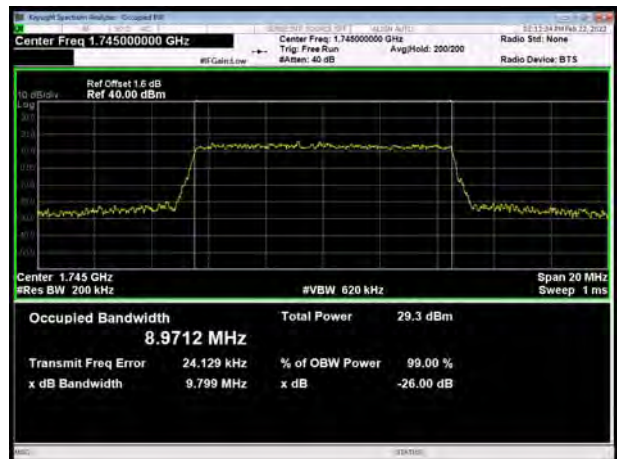
LTE Band 66 16QAM 10MHz CH-Low



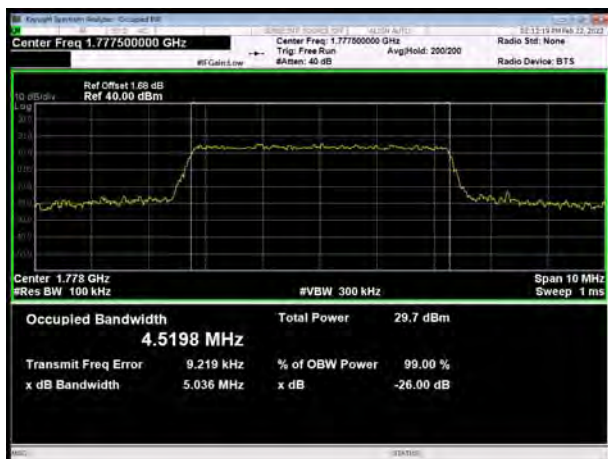
LTE Band 66 16QAM 5MHz CH-Middle



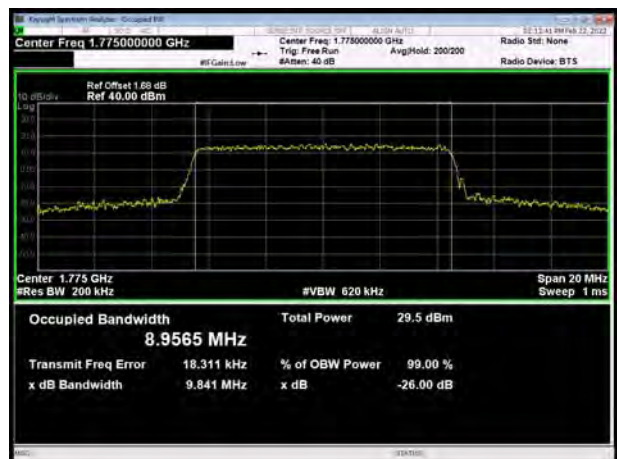
LTE Band 66 16QAM 10MHz CH-Middle



LTE Band 66 16QAM 5MHz CH-High

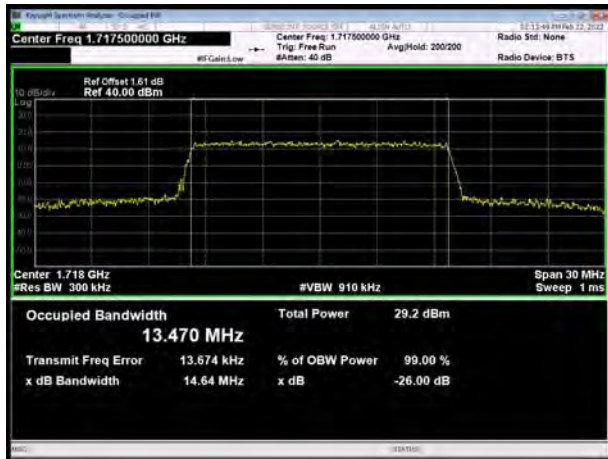


LTE Band 66 16QAM 10MHz CH-High

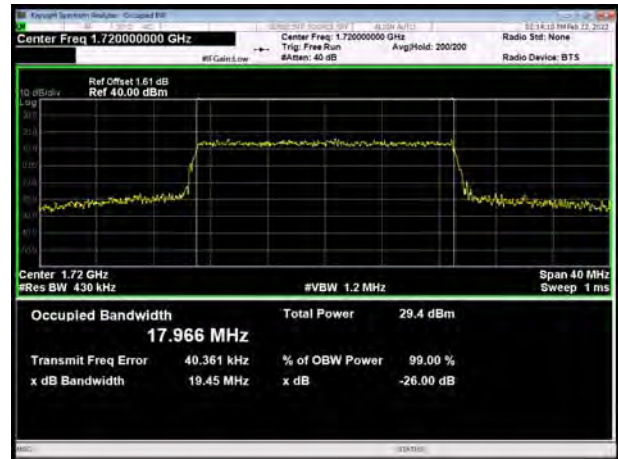




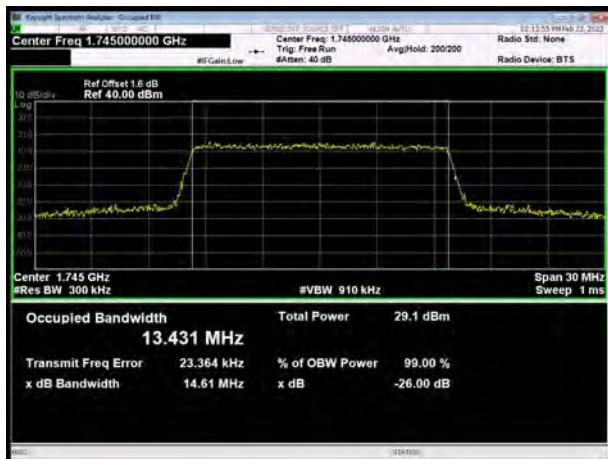
LTE Band 66 16QAM 15MHz CH-Low



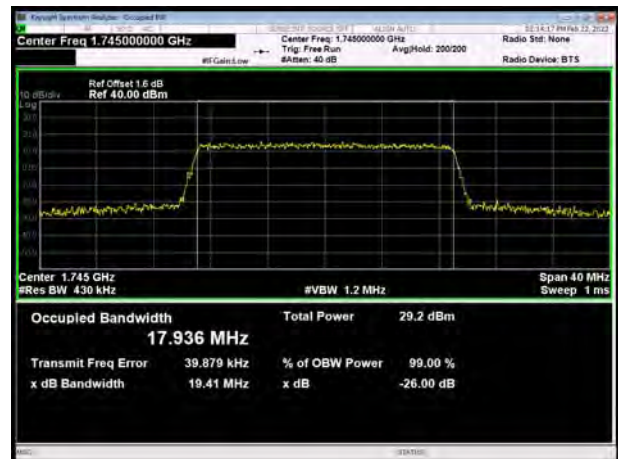
LTE Band 66 16QAM 20MHz CH-Low



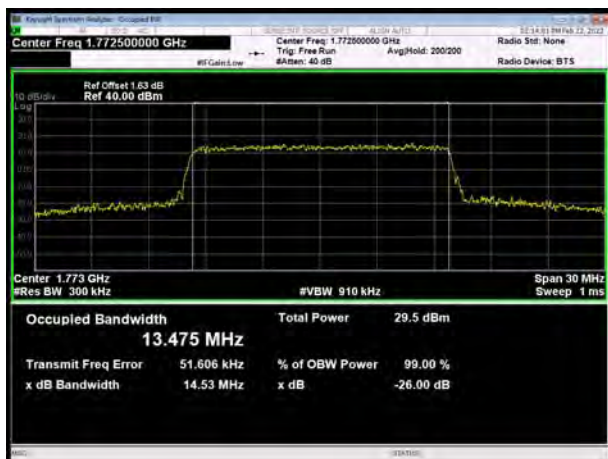
LTE Band 66 16QAM 15MHz CH-Middle



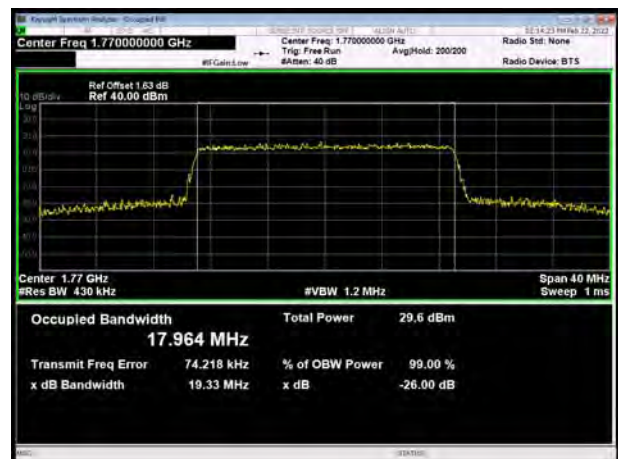
LTE Band 66 16QAM 20MHz CH-Middle



LTE Band 66 16QAM 15MHz CH-High

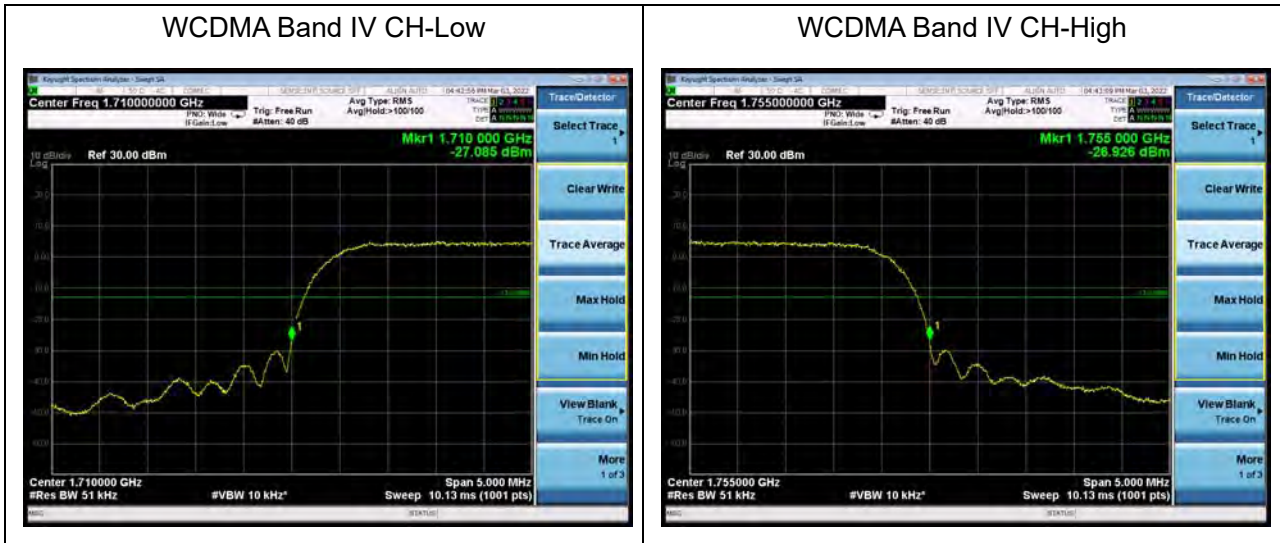


LTE Band 66 16QAM 20MHz CH-High



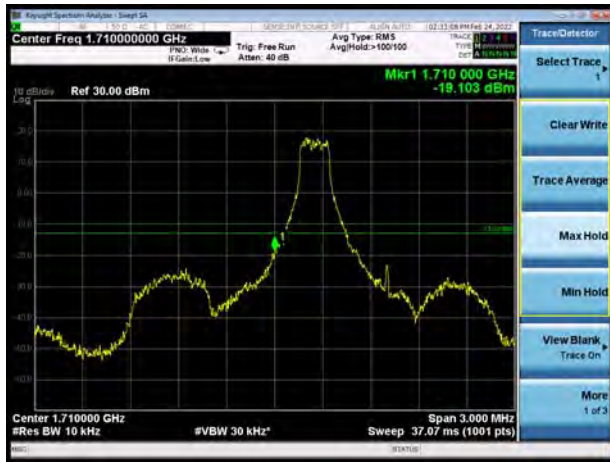
6.3 Band Edge Compliance

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



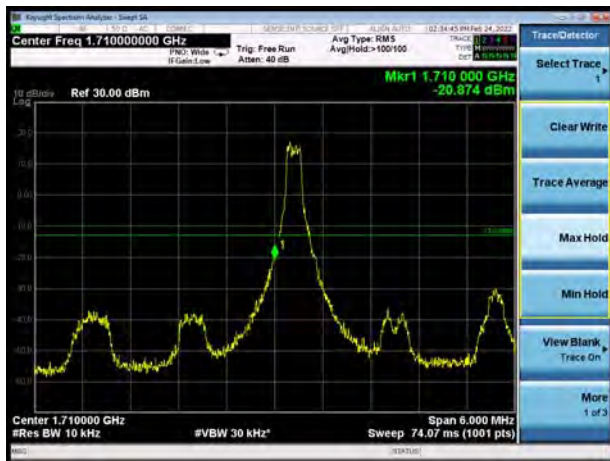
LTE Band 4 QPSK 1.4MHz CH-Low, 100%RB



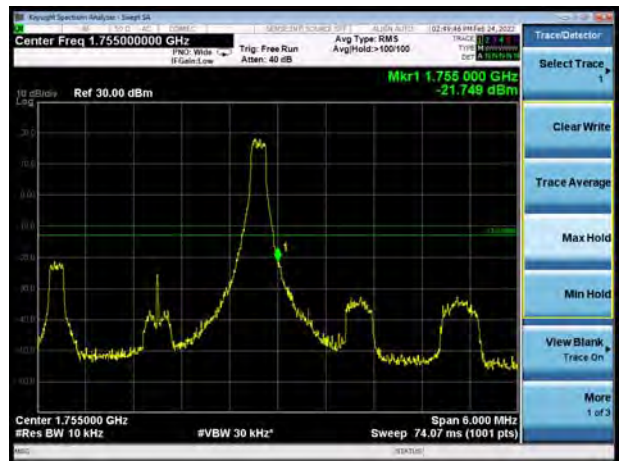
LTE Band 4 QPSK 1.4MHz CH-High, 100%RB



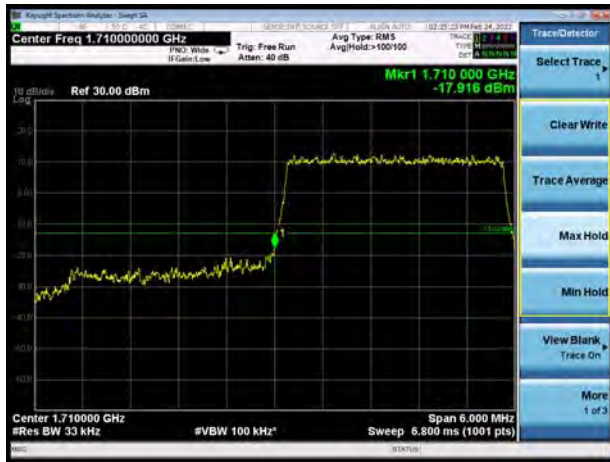
LTE Band 4 QPSK 3MHz CH-Low, 1 RB



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



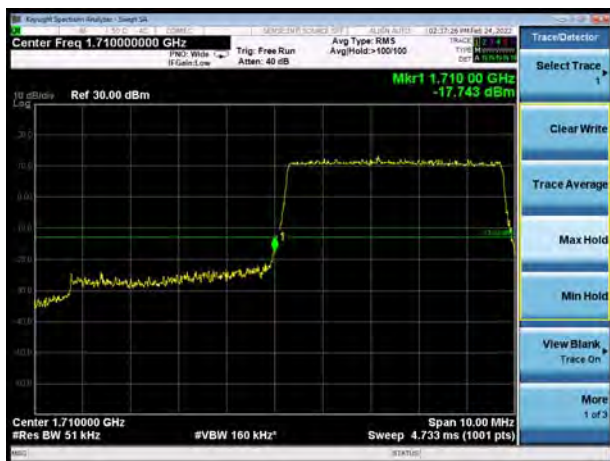
LTE Band 4 QPSK 5MHz CH-Low, 1 RB



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



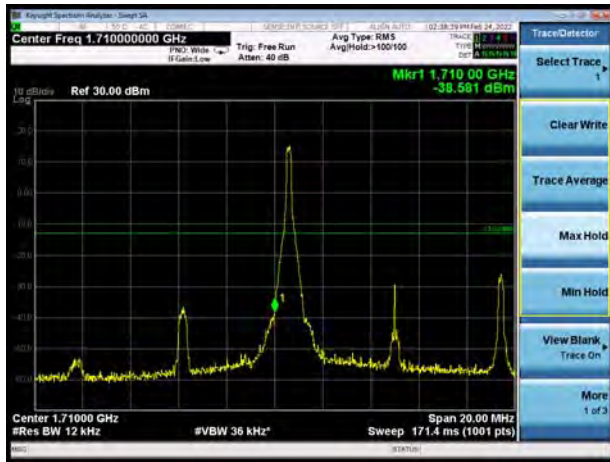
LTE Band 4 QPSK 5MHz CH-Low, 100%RB



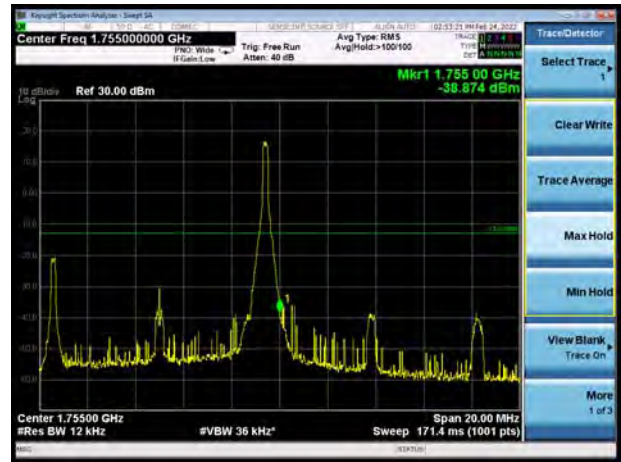
LTE Band 4 QPSK 5MHz CH-High, 100%RB



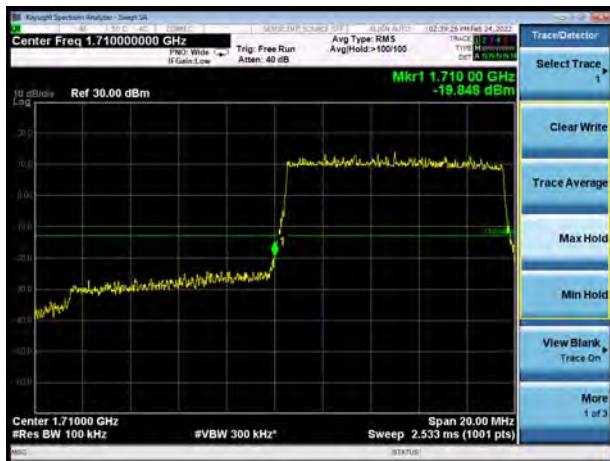
LTE Band 4 QPSK 10MHz CH-Low, 1 RB



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



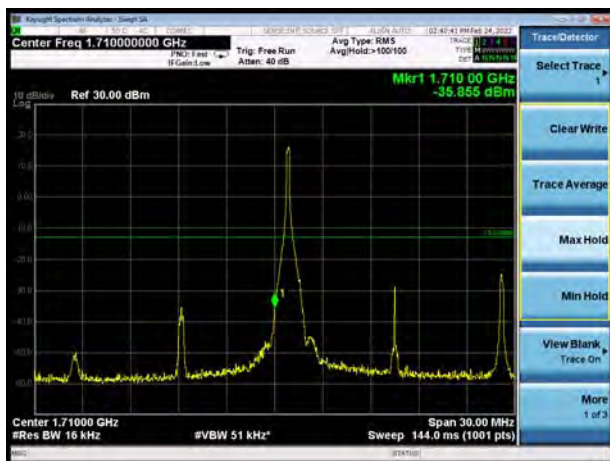
LTE Band 4 QPSK 10MHz CH-Low, 100%RB



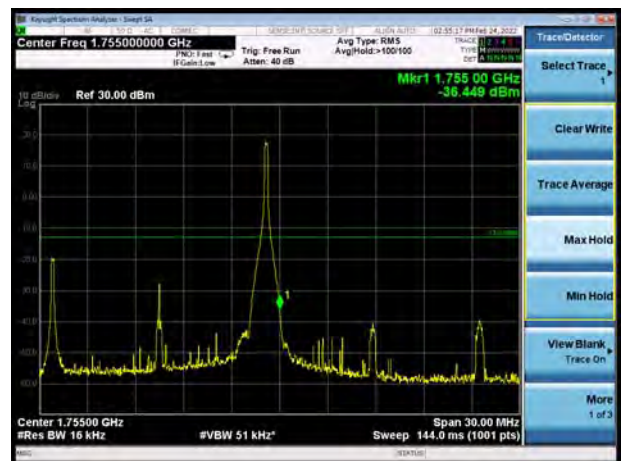
LTE Band 4 QPSK 10MHz CH-High, 100%RB



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



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



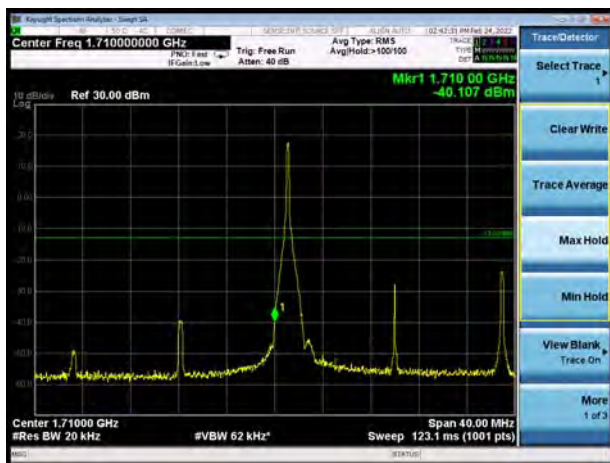
LTE Band 4 QPSK 15MHz CH-Low, 100%RB



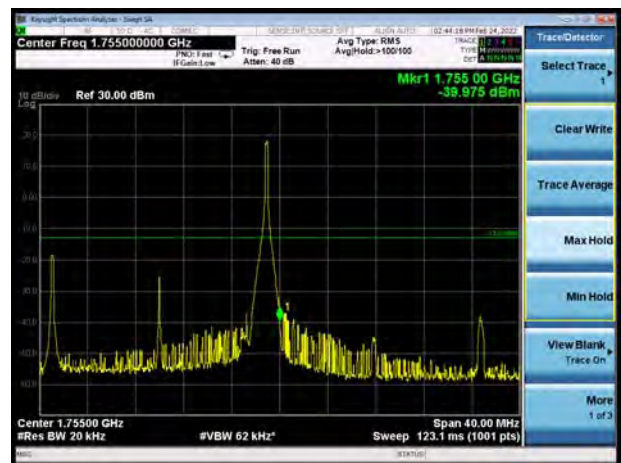
LTE Band 4 QPSK 15MHz CH-High, 100%RB



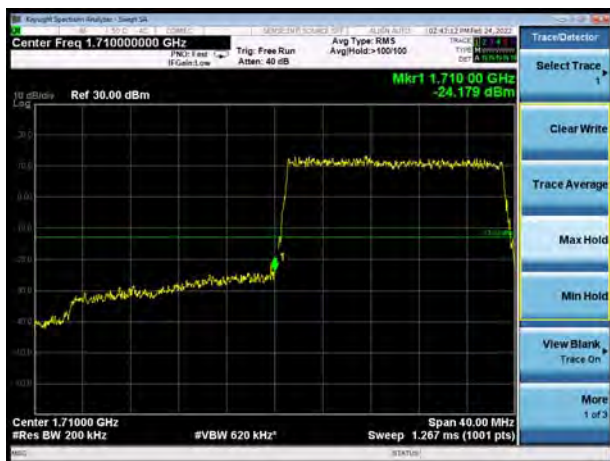
LTE Band 4 QPSK 20MHz CH-Low, 1 RB



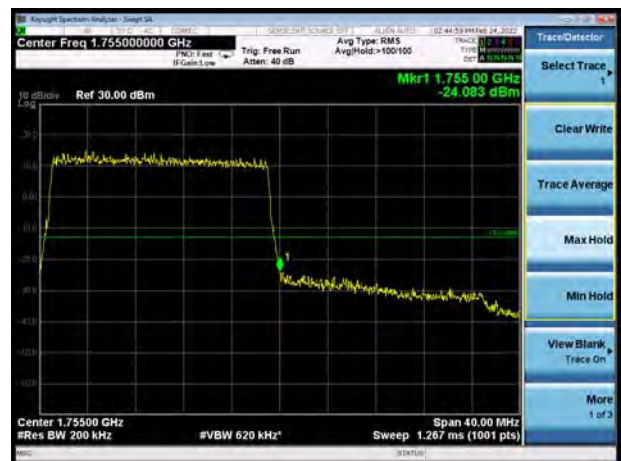
LTE Band 4 QPSK 20MHz CH-High, 1 RB



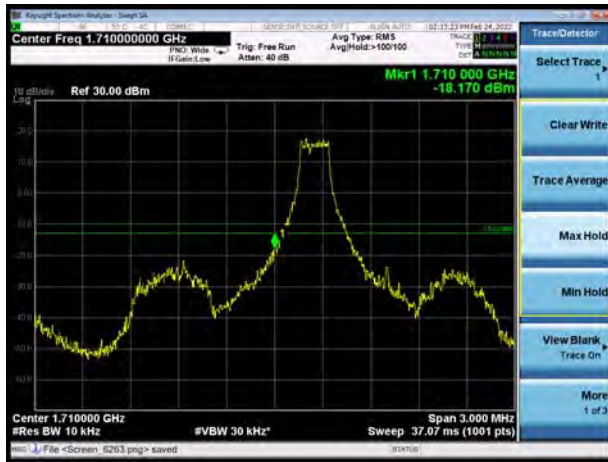
LTE Band 4 QPSK 20MHz CH-Low, 100%RB



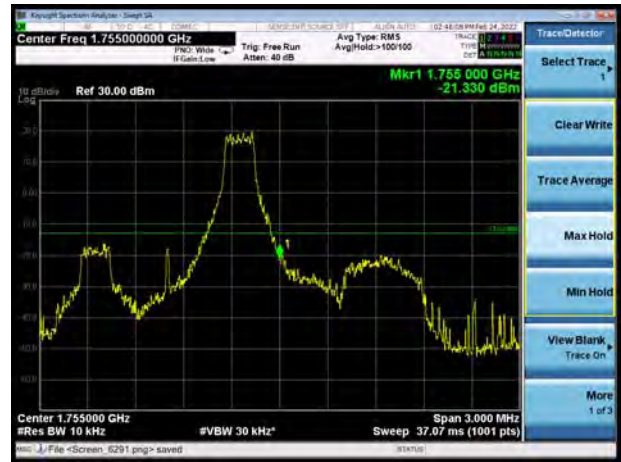
LTE Band 4 QPSK 20MHz CH-High, 100%RB



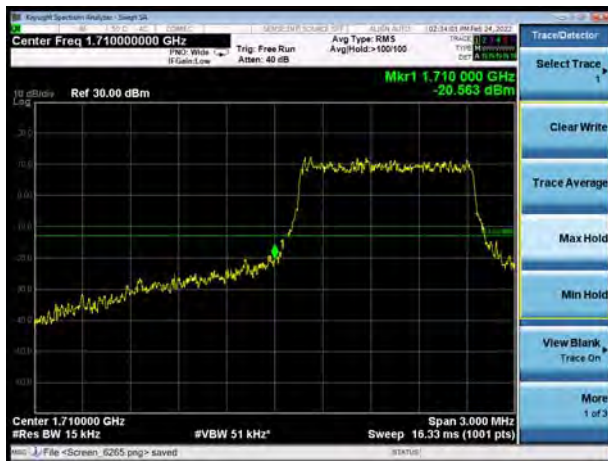
LTE Band 4 16QAM 1.4MHz CH-Low, 1 RB



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



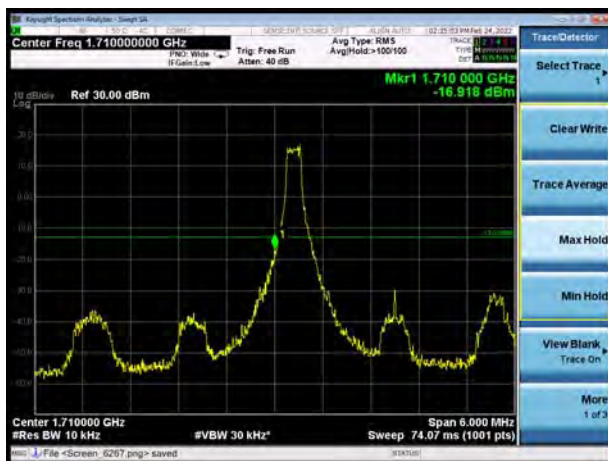
LTE Band 4 16QAM 1.4MHz CH-Low, 100%RB



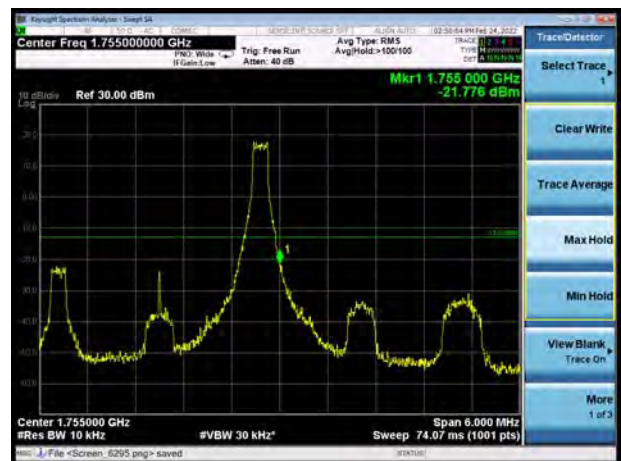
LTE Band 4 16QAM 1.4MHz CH-High, 100%RB



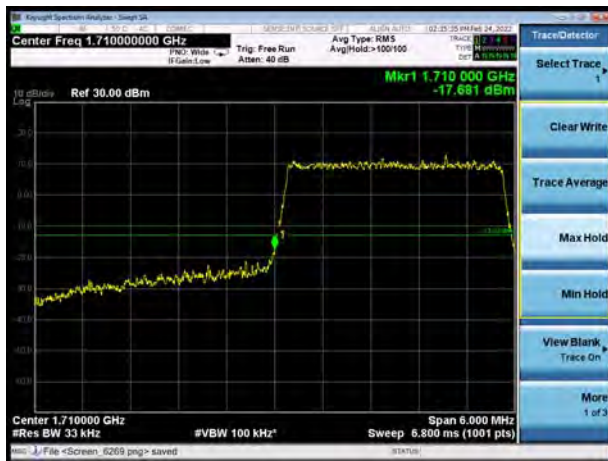
LTE Band 4 16QAM 3MHz CH-Low, 1 RB



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



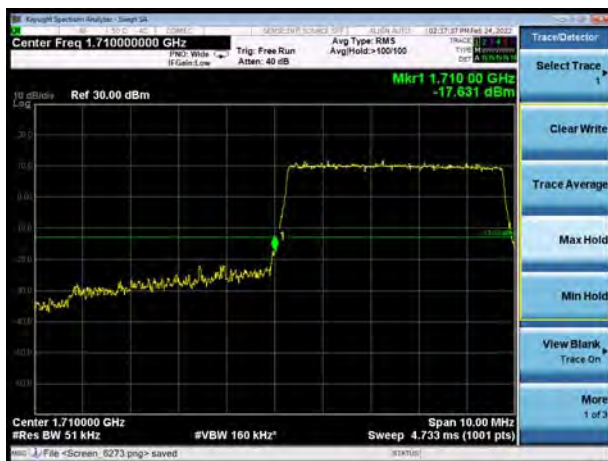
LTE Band 4 16QAM 5MHz CH-Low, 1 RB



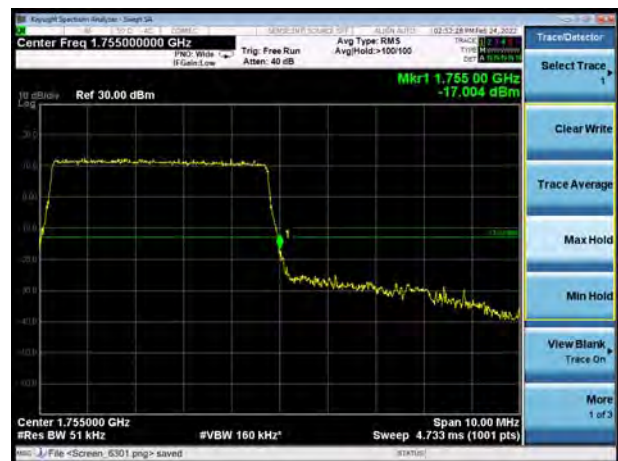
LTE Band 4 16QAM 5MHz CH-High, 1 RB



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

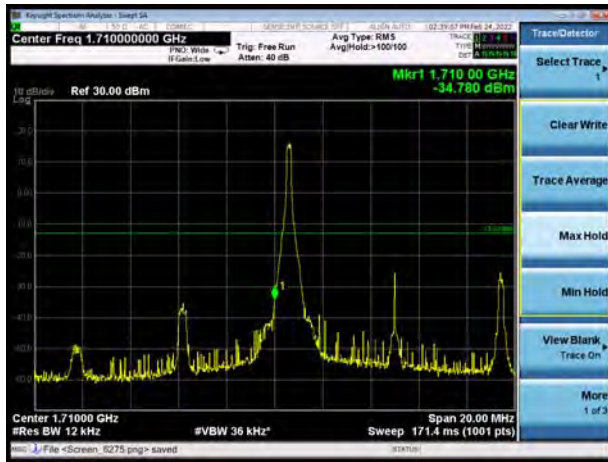


LTE Band 4 16QAM 5MHz CH-High, 100%RB

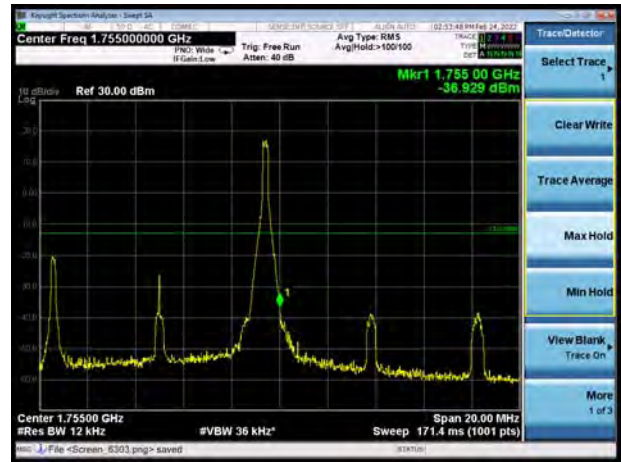




LTE Band 4 16QAM 10MHz CH-Low, 1 RB



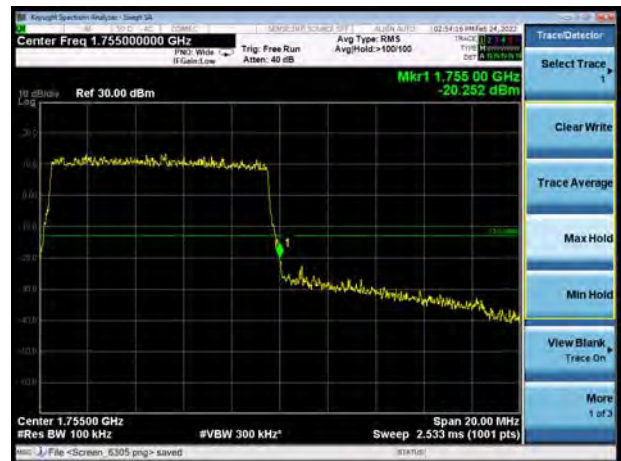
LTE Band 4 16QAM 10MHz CH-High, 1 RB



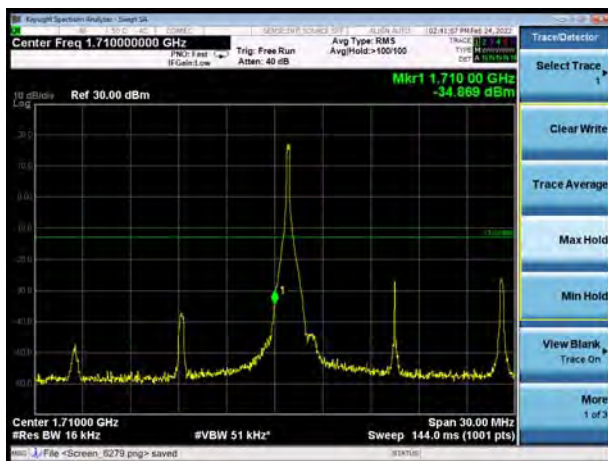
LTE Band 4 16QAM 10MHz CH-Low, 100%RB



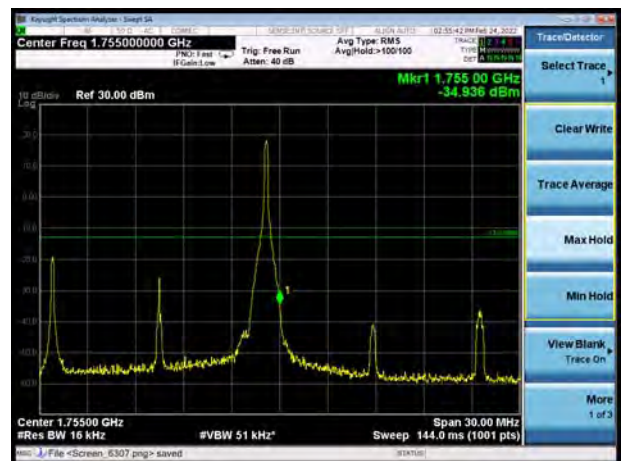
LTE Band 4 16QAM 10MHz CH-High, 100%RB



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



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

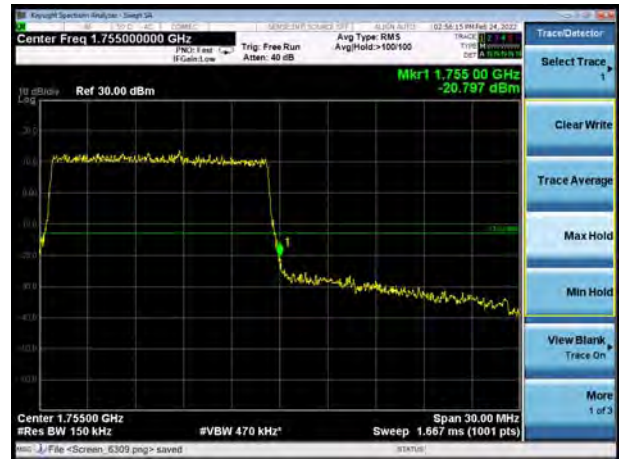




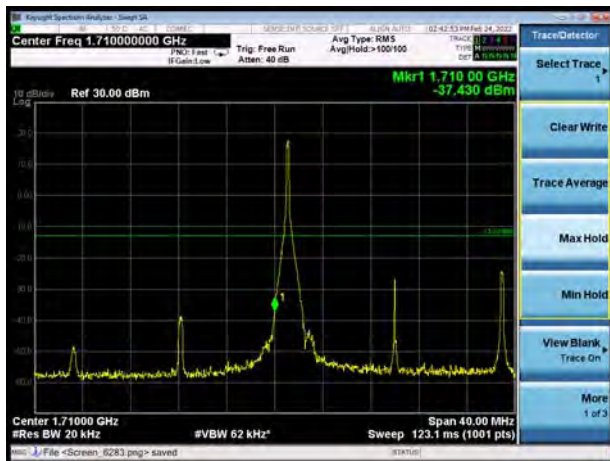
LTE Band 4 16QAM 15MHz CH-Low, 100%RB



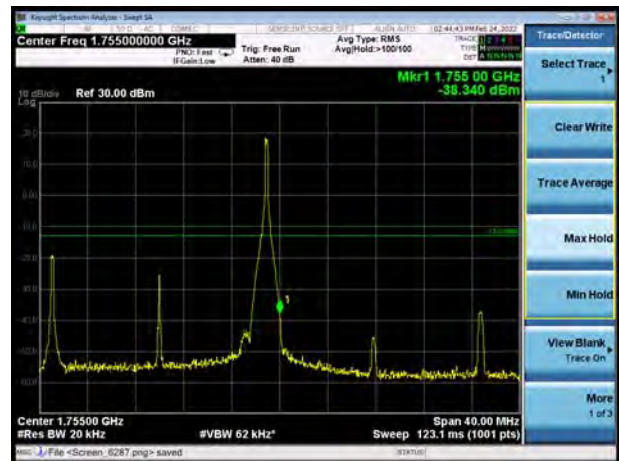
LTE Band 4 16QAM 15MHz CH-High, 100%RB



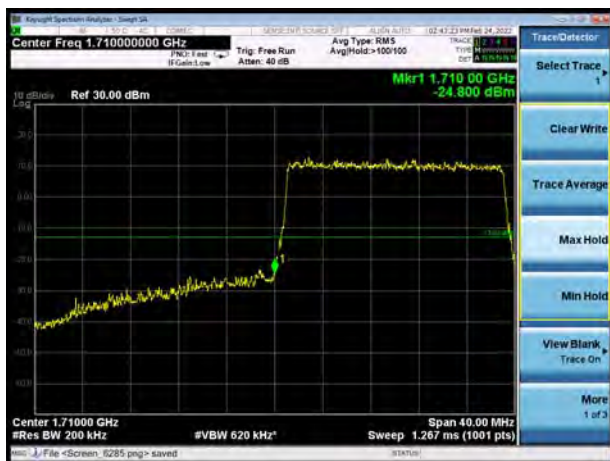
LTE Band 4 16QAM 20MHz CH-Low, 1 RB



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 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

