

RF TEST REPORT

Applicant	Dspread Technology (Beijing) Inc
FCC ID	2AGQ6-QPOS-PLUS-L
Product	Mobile POS
Brand	DSPREAD
Model	QPOS Plus
Report No.	R2407A0983-R3
Issue Date	October 18, 2024

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2023)/ FCC CFR47 Part 27C (2023)**. 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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Summary of Measurement Results

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

Date of Testing: August 13, 2024 ~ September 23, 2024

Date of Sample Received: July 29, 2024

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 Eurofins 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 **Eurofins 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)

Eurofins 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)

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

1.3 Testing Location

Company: Eurofins TA Technology (Shanghai) Co., Ltd.
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2 General Description of Equipment under Test

2.1 Applicant and Manufacturer Information

Applicant	Dspread Technology (Beijing) Inc
Applicant address	Rm 407, B12C, #10(Universal Business Park), Jiuxianqiao Road, Chaoyang District, Beijing, China
Manufacturer	Dspread Technology (Beijing) Inc
Manufacturer address	Rm 407, B12C, #10(Universal Business Park), Jiuxianqiao Road, Chaoyang District, Beijing, China

2.2 General information

EUT Description			
Model	QPOS Plus		
SN	Conducted: 03070001202405230109 Radiated: 03070001202405230115		
Hardware Version	2.2.0		
Software Version	2.3.0		
Power Supply	Battery / AC adapter		
Antenna Type	Internal Antenna		
Antenna Gain	LTE Band 4	1.13 dBi	
	LTE Band 7	1.69 dBi	
	LTE Band 66	1.66 dBi	
Test Mode(s)	LTE Band 4/7/66		
Test Modulation	(LTE) QPSK, 16QAM;		
LTE Category	1		
Maximum E.I.R.P./ E.R.P.	LTE Band 4	24.10 dBm	
	LTE Band 7	23.68 dBm	
	LTE Band 66	24.30 dBm	
Rated Power Supply Voltage	3.7V		
Operating Voltage	Minimum: 3.6V Maximum: 4.2V		
Operating Temperature	Lowest: 0°C Highest: +40°C		
Testing Temperature	Lowest: -30°C Highest: +50°C		
Operating Frequency Range(s)	Mode	Tx (MHz)	Rx (MHz)
	LTE Band 4	1710 ~ 1755	2110 ~ 2155
	LTE Band 7	2500 ~ 2570	2620 ~ 2690
	LTE Band 66	1710 ~ 1780	2110 ~ 2180
EUT Accessory			
Battery 1	Manufacturer: Beijing Guocai Huayang Technology Co., Ltd. Model: QPOS Plus		

Battery 2	Manufacturer: SHEN ZHEN UTILITY ENERGY CO., LTD. Model: QPOS Plus
USB Cable	Manufacturer: JIANGXI JIEYE Electronics., Co. Ltd Model: JY-C15-11
Note: 1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant. 2. There is more than one Batteries, each one should be applied throughout the compliance test respectively, and however, only the worst case (Battery 1) will be recorded in this report.	

3 Applied Standards

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

Test standards:

FCC CFR47 Part 27C (2023)

FCC CFR47 Part 2 (2023)

Reference standard:

ANSI C63.26-2015

KDB 971168 D01 Power Meas License Digital Systems v03r01

4 Test Configuration

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes. EUT stand-up position (Z axis), lie-down position (X, Y axis). Receiver antenna polarization (horizontal and vertical), the worst emission was found in position (X axis, vertical polarization) 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 LTE is set based on the maximum RF Output Power.

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

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

Test modes are chosen to be reported as the worst case configuration below for LTE Band 4/7/66:

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 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 66	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 66	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 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 66	O	O	O	O	O	O	O	O	O	-	-	-	O	-
Spurious Emissions at Antenna Terminals	LTE 4	O	O	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 7	-	-	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 66	O	O	O	O	O	O	O	-	O	-	-	O	O	O
Radiated Spurious Emission	LTE 4	O	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 7	-	-	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
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Methods of Measurement

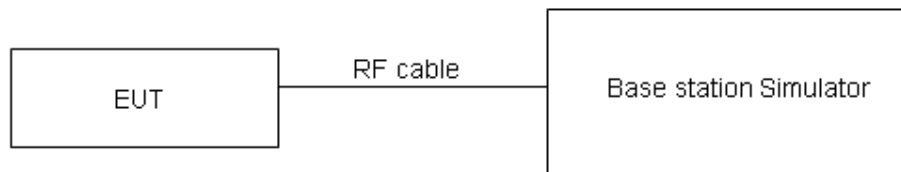
During the process of the testing, The EUT was connected to the Base Station Simulator with a known loss. The EUT is controlled by the Base Station Simulator test set to ensure max power transmission with proper modulation.

ERP can then be calculated as follows:

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

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

Test Setup



Limits

No specific RF power output requirements in part 2.1046.

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

Rule Part 27.50(h) (2) specifies that “Mobile and other user stations. Mobile stations are limited to 2.0

Part 27.50(d)(4) Limit	$\leq 1 \text{ W}$ (30 dBm)
Part 27.50(h)(2) Limit	$\leq 2 \text{ W}$ (33 dBm)

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U=0.4 \text{ dB}$ for RF power output, $k = 2$, $U= 1.19 \text{ dB}$ 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
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

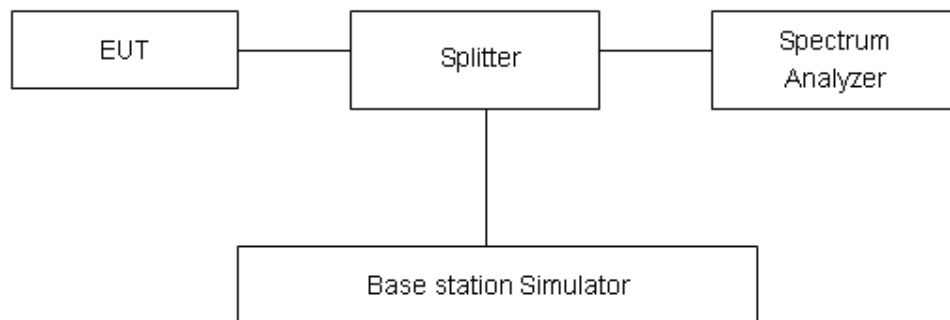
Method of Measurement

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
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

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 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.

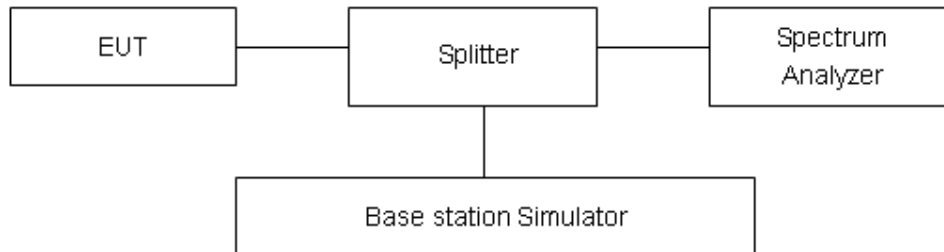
RBW is set to $\geq 1\%$ EBW, VBW is set to 3x RBW on spectrum analyzer.

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(i) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz.

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)

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

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

Measurement Uncertainty

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

Test Results

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

5.4 Peak-to-Average Power Ratio (PAPR)

Ambient condition

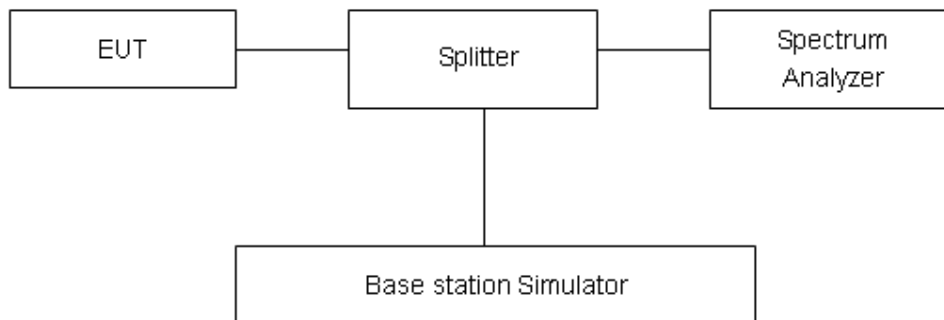
Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

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:

$$\text{PAPR (dB)} = \text{PPk (dBm)} - \text{PAvg (dBm)}.$$

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
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Method of Measurement

Frequency Stability (Temperature Variation)

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

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

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

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

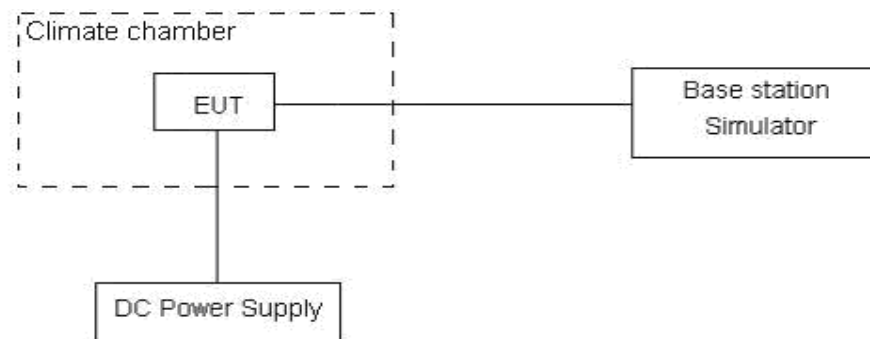
Frequency Stability (Voltage Variation)

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

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

This transceiver is specified to operate with an input voltage of between 3.6 V and 4.2 V, with a nominal voltage of 3.7V.

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
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

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 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)

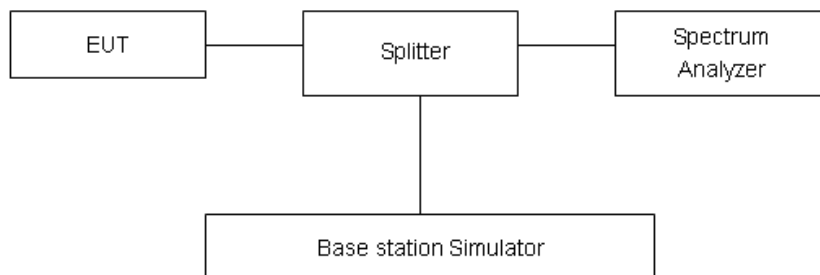
RBW is set to 1000 kHz (above 1000MHz)

Sweep is set to AUTO.

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

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

Test setup



Limits

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

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

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

Measurement Uncertainty

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

Frequency	Uncertainty
9kHz-1GHz	0.684 dB
1GHz-27GHz	1.407 dB

Test Results

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

5.7 Radiated Spurious Emission

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Method of Measurement

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

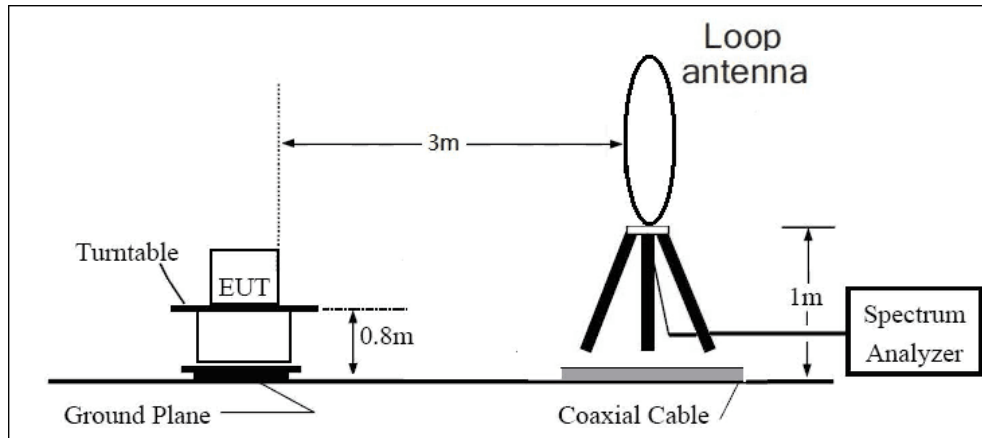
$$\text{Power(EIRP)} = \text{PMea} - \text{PAg} - \text{Pcl} + \text{Ga}$$
The measurement results are amend as described below:

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

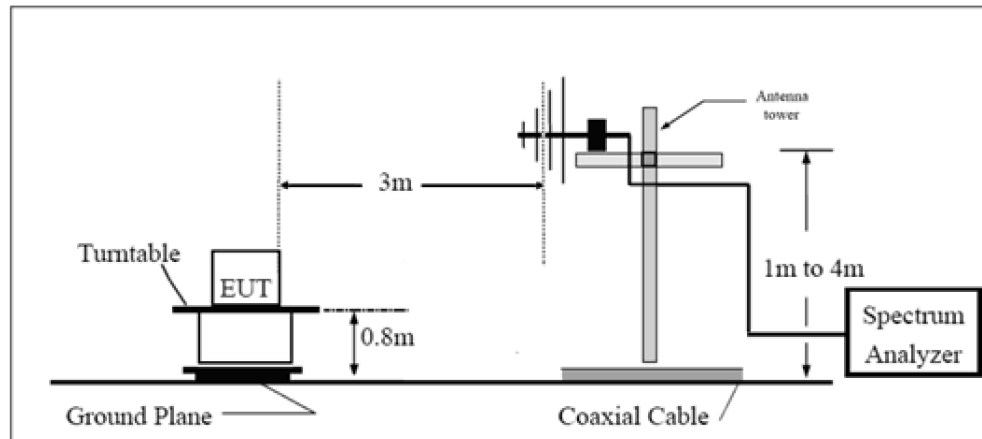
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup

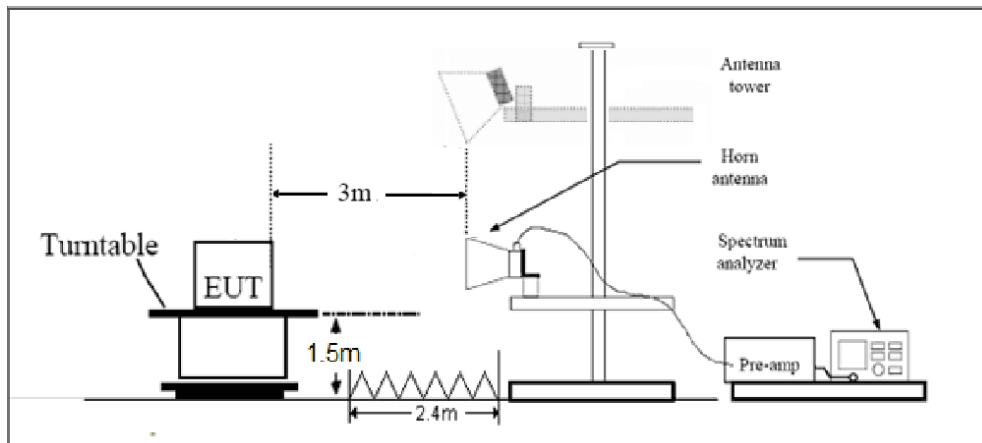
9KHz~ 30MHz



30MHz~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

Limits

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

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

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

Measurement Uncertainty

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

Test Results

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

6 Test Results

6.1 RF Power Output and Effective Isotropic Radiated Power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)
LTE Band4	1.4	19957	1	#0	QPSK	22.70	23.83
LTE Band4	1.4	19957	1	#Mid	QPSK	22.55	23.68
LTE Band4	1.4	19957	1	#Max	QPSK	21.77	22.90
LTE Band4	1.4	19957	3	#0	QPSK	22.02	23.15
LTE Band4	1.4	19957	3	#Mid	QPSK	22.03	23.16
LTE Band4	1.4	19957	3	#Max	QPSK	22.02	23.15
LTE Band4	1.4	19957	6	#0	QPSK	21.08	22.21
LTE Band4	1.4	20175	1	#0	QPSK	22.61	23.74
LTE Band4	1.4	20175	1	#Mid	QPSK	22.09	23.22
LTE Band4	1.4	20175	1	#Max	QPSK	21.27	22.40
LTE Band4	1.4	20175	3	#0	QPSK	22.21	23.34
LTE Band4	1.4	20175	3	#Mid	QPSK	22.21	23.34
LTE Band4	1.4	20175	3	#Max	QPSK	21.79	22.92
LTE Band4	1.4	20175	6	#0	QPSK	20.85	21.98
LTE Band4	1.4	20393	1	#0	QPSK	20.95	22.08
LTE Band4	1.4	20393	1	#Mid	QPSK	21.69	22.82
LTE Band4	1.4	20393	1	#Max	QPSK	20.95	22.08
LTE Band4	1.4	20393	3	#0	QPSK	21.34	22.47
LTE Band4	1.4	20393	3	#Mid	QPSK	21.34	22.47
LTE Band4	1.4	20393	3	#Max	QPSK	21.39	22.52
LTE Band4	1.4	20393	6	#0	QPSK	20.42	21.55
LTE Band4	3	19965	1	#0	QPSK	22.02	23.15
LTE Band4	3	19965	1	#Mid	QPSK	22.49	23.62
LTE Band4	3	19965	1	#Max	QPSK	21.19	22.32
LTE Band4	3	19965	8	#0	QPSK	21.18	22.31
LTE Band4	3	19965	8	#Mid	QPSK	21.18	22.31
LTE Band4	3	19965	8	#Max	QPSK	21.17	22.30
LTE Band4	3	19965	15	#0	QPSK	21.15	22.28
LTE Band4	3	20175	1	#0	QPSK	22.31	23.44
LTE Band4	3	20175	1	#Mid	QPSK	22.35	23.48
LTE Band4	3	20175	1	#Max	QPSK	21.48	22.61
LTE Band4	3	20175	8	#0	QPSK	20.93	22.06
LTE Band4	3	20175	8	#Mid	QPSK	20.94	22.07
LTE Band4	3	20175	8	#Max	QPSK	20.91	22.04
LTE Band4	3	20175	15	#0	QPSK	20.90	22.03

LTE Band4	3	20385	1	#0	QPSK	20.59	21.72
LTE Band4	3	20385	1	#Mid	QPSK	22.01	23.14
LTE Band4	3	20385	1	#Max	QPSK	21.73	22.86
LTE Band4	3	20385	8	#0	QPSK	20.62	21.75
LTE Band4	3	20385	8	#Mid	QPSK	20.63	21.76
LTE Band4	3	20385	8	#Max	QPSK	20.50	21.63
LTE Band4	3	20385	15	#0	QPSK	20.56	21.69
LTE Band4	5	19975	1	#0	QPSK	21.70	22.83
LTE Band4	5	19975	1	#Mid	QPSK	21.95	23.08
LTE Band4	5	19975	1	#Max	QPSK	21.00	22.13
LTE Band4	5	19975	12	#0	QPSK	20.80	21.93
LTE Band4	5	19975	12	#Mid	QPSK	20.80	21.93
LTE Band4	5	19975	12	#Max	QPSK	20.32	21.45
LTE Band4	5	19975	25	#0	QPSK	21.20	22.33
LTE Band4	5	20175	1	#0	QPSK	21.97	23.10
LTE Band4	5	20175	1	#Mid	QPSK	21.74	22.87
LTE Band4	5	20175	1	#Max	QPSK	22.48	23.61
LTE Band4	5	20175	12	#0	QPSK	20.64	21.77
LTE Band4	5	20175	12	#Mid	QPSK	20.65	21.78
LTE Band4	5	20175	12	#Max	QPSK	20.82	21.95
LTE Band4	5	20175	25	#0	QPSK	20.85	21.98
LTE Band4	5	20375	1	#0	QPSK	21.04	22.17
LTE Band4	5	20375	1	#Mid	QPSK	21.39	22.52
LTE Band4	5	20375	1	#Max	QPSK	21.91	23.04
LTE Band4	5	20375	12	#0	QPSK	20.20	21.33
LTE Band4	5	20375	12	#Mid	QPSK	20.08	21.21
LTE Band4	5	20375	12	#Max	QPSK	20.04	21.17
LTE Band4	5	20375	25	#0	QPSK	20.58	21.71
LTE Band4	10	20000	1	#0	QPSK	21.90	23.03
LTE Band4	10	20000	1	#Mid	QPSK	22.13	23.26
LTE Band4	10	20000	1	#Max	QPSK	21.21	22.34
LTE Band4	10	20000	25	#0	QPSK	20.58	21.71
LTE Band4	10	20000	25	#Mid	QPSK	20.58	21.71
LTE Band4	10	20000	25	#Max	QPSK	20.53	21.66
LTE Band4	10	20000	50	#0	QPSK	21.06	22.19
LTE Band4	10	20175	1	#0	QPSK	21.93	23.06
LTE Band4	10	20175	1	#Mid	QPSK	22.11	23.24
LTE Band4	10	20175	1	#Max	QPSK	21.57	22.70
LTE Band4	10	20175	25	#0	QPSK	20.58	21.71
LTE Band4	10	20175	25	#Mid	QPSK	20.58	21.71
LTE Band4	10	20175	25	#Max	QPSK	21.18	22.31
LTE Band4	10	20175	50	#0	QPSK	21.01	22.14
LTE Band4	10	20350	1	#0	QPSK	22.46	23.59

LTE Band4	10	20350	1	#Mid	QPSK	22.17	23.30
LTE Band4	10	20350	1	#Max	QPSK	21.54	22.67
LTE Band4	10	20350	25	#0	QPSK	20.73	21.86
LTE Band4	10	20350	25	#Mid	QPSK	20.75	21.88
LTE Band4	10	20350	25	#Max	QPSK	20.17	21.30
LTE Band4	10	20350	50	#0	QPSK	21.12	22.25
LTE Band4	15	20025	1	#0	QPSK	21.38	22.51
LTE Band4	15	20025	1	#Mid	QPSK	21.56	22.69
LTE Band4	15	20025	1	#Max	QPSK	21.10	22.23
LTE Band4	15	20025	36	#0	QPSK	20.17	21.30
LTE Band4	15	20025	36	#Mid	QPSK	20.28	21.41
LTE Band4	15	20025	36	#Max	QPSK	20.26	21.39
LTE Band4	15	20025	75	#0	QPSK	20.72	21.85
LTE Band4	15	20175	1	#0	QPSK	21.30	22.43
LTE Band4	15	20175	1	#Mid	QPSK	22.10	23.23
LTE Band4	15	20175	1	#Max	QPSK	22.87	24.00
LTE Band4	15	20175	36	#0	QPSK	20.41	21.54
LTE Band4	15	20175	36	#Mid	QPSK	20.43	21.56
LTE Band4	15	20175	36	#Max	QPSK	21.57	22.70
LTE Band4	15	20175	75	#0	QPSK	21.07	22.20
LTE Band4	15	20325	1	#0	QPSK	22.27	23.40
LTE Band4	15	20325	1	#Mid	QPSK	22.29	23.42
LTE Band4	15	20325	1	#Max	QPSK	21.76	22.89
LTE Band4	15	20325	36	#0	QPSK	21.38	22.51
LTE Band4	15	20325	36	#Mid	QPSK	21.39	22.52
LTE Band4	15	20325	36	#Max	QPSK	20.79	21.92
LTE Band4	15	20325	75	#0	QPSK	21.38	22.51
LTE Band4	20	20050	1	#0	QPSK	21.57	22.70
LTE Band4	20	20050	1	#Mid	QPSK	21.76	22.89
LTE Band4	20	20050	1	#Max	QPSK	21.05	22.18
LTE Band4	20	20050	50	#0	QPSK	20.86	21.99
LTE Band4	20	20050	50	#Mid	QPSK	20.95	22.08
LTE Band4	20	20050	50	#Max	QPSK	20.76	21.89
LTE Band4	20	20050	100	#0	QPSK	20.49	21.62
LTE Band4	20	20175	1	#0	QPSK	21.29	22.42
LTE Band4	20	20175	1	#Mid	QPSK	22.29	23.42
LTE Band4	20	20175	1	#Max	QPSK	21.76	22.89
LTE Band4	20	20175	50	#0	QPSK	20.61	21.74
LTE Band4	20	20175	50	#Mid	QPSK	20.62	21.75
LTE Band4	20	20175	50	#Max	QPSK	21.78	22.91
LTE Band4	20	20175	100	#0	QPSK	20.82	21.95
LTE Band4	20	20300	1	#0	QPSK	22.97	24.10
LTE Band4	20	20300	1	#Mid	QPSK	22.83	23.96

LTE Band4	20	20300	1	#Max	QPSK	21.87	23.00
LTE Band4	20	20300	50	#0	QPSK	21.48	22.61
LTE Band4	20	20300	50	#Mid	QPSK	21.43	22.56
LTE Band4	20	20300	50	#Max	QPSK	21.60	22.73
LTE Band4	20	20300	100	#0	QPSK	21.12	22.25
LTE Band4	1.4	19957	1	#0	16QAM	21.33	22.46
LTE Band4	1.4	19957	1	#Mid	16QAM	21.58	22.71
LTE Band4	1.4	19957	1	#Max	16QAM	20.80	21.93
LTE Band4	1.4	19957	3	#0	16QAM	21.33	22.46
LTE Band4	1.4	19957	3	#Mid	16QAM	21.32	22.45
LTE Band4	1.4	19957	3	#Max	16QAM	21.31	22.44
LTE Band4	1.4	19957	6	#0	16QAM	20.31	21.44
LTE Band4	1.4	20175	1	#0	16QAM	21.45	22.58
LTE Band4	1.4	20175	1	#Mid	16QAM	21.32	22.45
LTE Band4	1.4	20175	1	#Max	16QAM	20.61	21.74
LTE Band4	1.4	20175	3	#0	16QAM	21.42	22.55
LTE Band4	1.4	20175	3	#Mid	16QAM	21.41	22.54
LTE Band4	1.4	20175	3	#Max	16QAM	21.03	22.16
LTE Band4	1.4	20175	6	#0	16QAM	19.90	21.03
LTE Band4	1.4	20393	1	#0	16QAM	20.03	21.16
LTE Band4	1.4	20393	1	#Mid	16QAM	20.74	21.87
LTE Band4	1.4	20393	1	#Max	16QAM	19.95	21.08
LTE Band4	1.4	20393	3	#0	16QAM	20.47	21.60
LTE Band4	1.4	20393	3	#Mid	16QAM	20.46	21.59
LTE Band4	1.4	20393	3	#Max	16QAM	20.52	21.65
LTE Band4	1.4	20393	6	#0	16QAM	19.56	20.69
LTE Band4	3	19965	1	#0	16QAM	21.16	22.29
LTE Band4	3	19965	1	#Mid	16QAM	22.02	23.15
LTE Band4	3	19965	1	#Max	16QAM	20.67	21.80
LTE Band4	3	19965	8	#0	16QAM	20.33	21.46
LTE Band4	3	19965	8	#Mid	16QAM	20.33	21.46
LTE Band4	3	19965	8	#Max	16QAM	20.30	21.43
LTE Band4	3	19965	15	#0	16QAM	20.26	21.39
LTE Band4	3	20175	1	#0	16QAM	21.10	22.23
LTE Band4	3	20175	1	#Mid	16QAM	21.62	22.75
LTE Band4	3	20175	1	#Max	16QAM	20.77	21.90
LTE Band4	3	20175	8	#0	16QAM	20.00	21.13
LTE Band4	3	20175	8	#Mid	16QAM	20.01	21.14
LTE Band4	3	20175	8	#Max	16QAM	19.99	21.12
LTE Band4	3	20175	15	#0	16QAM	19.98	21.11
LTE Band4	3	20385	1	#0	16QAM	19.59	20.72
LTE Band4	3	20385	1	#Mid	16QAM	20.99	22.12
LTE Band4	3	20385	1	#Max	16QAM	20.30	21.43

LTE Band4	3	20385	8	#0	16QAM	19.86	20.99
LTE Band4	3	20385	8	#Mid	16QAM	19.87	21.00
LTE Band4	3	20385	8	#Max	16QAM	19.72	20.85
LTE Band4	3	20385	15	#0	16QAM	19.77	20.90
LTE Band4	5	19975	1	#0	16QAM	21.21	22.34
LTE Band4	5	19975	1	#Mid	16QAM	21.56	22.69
LTE Band4	5	19975	1	#Max	16QAM	20.57	21.70
LTE Band4	5	19975	12	#0	16QAM	19.97	21.10
LTE Band4	5	19975	12	#Mid	16QAM	19.99	21.12
LTE Band4	5	19975	12	#Max	16QAM	19.49	20.62
LTE Band4	5	19975	25	#0	16QAM	20.47	21.60
LTE Band4	5	20175	1	#0	16QAM	21.47	22.60
LTE Band4	5	20175	1	#Mid	16QAM	21.26	22.39
LTE Band4	5	20175	1	#Max	16QAM	21.58	22.71
LTE Band4	5	20175	12	#0	16QAM	19.76	20.89
LTE Band4	5	20175	12	#Mid	16QAM	19.77	20.90
LTE Band4	5	20175	12	#Max	16QAM	20.10	21.23
LTE Band4	5	20175	25	#0	16QAM	20.09	21.22
LTE Band4	5	20375	1	#0	16QAM	20.90	22.03
LTE Band4	5	20375	1	#Mid	16QAM	21.21	22.34
LTE Band4	5	20375	1	#Max	16QAM	21.19	22.32
LTE Band4	5	20375	12	#0	16QAM	19.50	20.63
LTE Band4	5	20375	12	#Mid	16QAM	19.52	20.65
LTE Band4	5	20375	12	#Max	16QAM	19.48	20.61
LTE Band4	5	20375	25	#0	16QAM	20.05	21.18
LTE Band4	10	20000	1	#0	16QAM	21.31	22.44
LTE Band4	10	20000	1	#Mid	16QAM	21.63	22.76
LTE Band4	10	20000	1	#Max	16QAM	20.70	21.83
LTE Band4	10	20000	25	#0	16QAM	19.81	20.94
LTE Band4	10	20000	25	#Mid	16QAM	19.81	20.94
LTE Band4	10	20000	25	#Max	16QAM	19.78	20.91
LTE Band4	10	20175	1	#0	16QAM	21.15	22.28
LTE Band4	10	20175	1	#Mid	16QAM	21.40	22.53
LTE Band4	10	20175	1	#Max	16QAM	20.98	22.11
LTE Band4	10	20175	25	#0	16QAM	19.70	20.83
LTE Band4	10	20175	25	#Mid	16QAM	19.71	20.84
LTE Band4	10	20175	25	#Max	16QAM	20.35	21.48
LTE Band4	10	20350	1	#0	16QAM	21.18	22.31
LTE Band4	10	20350	1	#Mid	16QAM	21.29	22.42
LTE Band4	10	20350	1	#Max	16QAM	20.22	21.35
LTE Band4	10	20350	25	#0	16QAM	19.94	21.07
LTE Band4	10	20350	25	#Mid	16QAM	19.98	21.11
LTE Band4	10	20350	25	#Max	16QAM	19.41	20.54

LTE Band4	15	20025	1	#0	16QAM	20.72	21.85
LTE Band4	15	20025	1	#Mid	16QAM	21.03	22.16
LTE Band4	15	20025	1	#Max	16QAM	20.55	21.68
LTE Band4	15	20175	1	#0	16QAM	20.48	21.61
LTE Band4	15	20175	1	#Mid	16QAM	21.28	22.41
LTE Band4	15	20175	1	#Max	16QAM	21.75	22.88
LTE Band4	15	20325	1	#0	16QAM	21.44	22.57
LTE Band4	15	20325	1	#Mid	16QAM	21.52	22.65
LTE Band4	15	20325	1	#Max	16QAM	20.59	21.72
LTE Band4	20	20050	1	#0	16QAM	20.84	21.97
LTE Band4	20	20050	1	#Mid	16QAM	21.04	22.17
LTE Band4	20	20050	1	#Max	16QAM	20.32	21.45
LTE Band4	20	20175	1	#0	16QAM	20.26	21.39
LTE Band4	20	20175	1	#Mid	16QAM	21.26	22.39
LTE Band4	20	20175	1	#Max	16QAM	20.37	21.50
LTE Band4	20	20300	1	#0	16QAM	21.46	22.59
LTE Band4	20	20300	1	#Mid	16QAM	21.82	22.95
LTE Band4	20	20300	1	#Max	16QAM	20.51	21.64

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)
LTE Band7	5	20775	1	#0	QPSK	20.75	22.44
LTE Band7	5	20775	1	#Mid	QPSK	21.11	22.80
LTE Band7	5	20775	1	#Max	QPSK	21.10	22.79
LTE Band7	5	20775	12	#0	QPSK	19.88	21.57
LTE Band7	5	20775	12	#Mid	QPSK	19.87	21.56
LTE Band7	5	20775	12	#Max	QPSK	19.69	21.38
LTE Band7	5	20775	25	#0	QPSK	19.55	21.24
LTE Band7	5	21100	1	#0	QPSK	20.83	22.52
LTE Band7	5	21100	1	#Mid	QPSK	20.45	22.14
LTE Band7	5	21100	1	#Max	QPSK	20.81	22.50
LTE Band7	5	21100	12	#0	QPSK	19.97	21.66
LTE Band7	5	21100	12	#Mid	QPSK	19.98	21.67
LTE Band7	5	21100	12	#Max	QPSK	19.67	21.36
LTE Band7	5	21100	25	#0	QPSK	19.54	21.23
LTE Band7	5	21425	1	#0	QPSK	20.96	22.65
LTE Band7	5	21425	1	#Mid	QPSK	21.24	22.93
LTE Band7	5	21425	1	#Max	QPSK	21.04	22.73
LTE Band7	5	21425	12	#0	QPSK	19.92	21.61
LTE Band7	5	21425	12	#Mid	QPSK	19.93	21.62
LTE Band7	5	21425	12	#Max	QPSK	19.70	21.39
LTE Band7	5	21425	25	#0	QPSK	19.02	20.71

LTE Band7	10	20800	1	#0	QPSK	20.99	22.68
LTE Band7	10	20800	1	#Mid	QPSK	20.92	22.61
LTE Band7	10	20800	1	#Max	QPSK	21.15	22.84
LTE Band7	10	20800	25	#0	QPSK	19.91	21.60
LTE Band7	10	20800	25	#Mid	QPSK	19.90	21.59
LTE Band7	10	20800	25	#Max	QPSK	20.15	21.84
LTE Band7	10	20800	50	#0	QPSK	19.76	21.45
LTE Band7	10	21100	1	#0	QPSK	20.91	22.60
LTE Band7	10	21100	1	#Mid	QPSK	20.68	22.37
LTE Band7	10	21100	1	#Max	QPSK	21.34	23.03
LTE Band7	10	21100	25	#0	QPSK	19.78	21.47
LTE Band7	10	21100	25	#Mid	QPSK	19.79	21.48
LTE Band7	10	21100	25	#Max	QPSK	20.62	22.31
LTE Band7	10	21100	50	#0	QPSK	19.75	21.44
LTE Band7	10	21400	1	#0	QPSK	21.21	22.90
LTE Band7	10	21400	1	#Mid	QPSK	20.30	21.99
LTE Band7	10	21400	1	#Max	QPSK	21.35	23.04
LTE Band7	10	21400	25	#0	QPSK	20.21	21.90
LTE Band7	10	21400	25	#Mid	QPSK	20.24	21.93
LTE Band7	10	21400	25	#Max	QPSK	20.06	21.75
LTE Band7	10	21400	50	#0	QPSK	19.34	21.03
LTE Band7	15	20825	1	#0	QPSK	20.56	22.25
LTE Band7	15	20825	1	#Mid	QPSK	20.76	22.45
LTE Band7	15	20825	1	#Max	QPSK	20.89	22.58
LTE Band7	15	20825	36	#0	QPSK	20.22	21.91
LTE Band7	15	20825	36	#Mid	QPSK	20.31	22.00
LTE Band7	15	20825	36	#Max	QPSK	20.24	21.93
LTE Band7	15	20825	75	#0	QPSK	19.69	21.38
LTE Band7	15	21100	1	#0	QPSK	20.83	22.52
LTE Band7	15	21100	1	#Mid	QPSK	20.49	22.18
LTE Band7	15	21100	1	#Max	QPSK	21.25	22.94
LTE Band7	15	21100	36	#0	QPSK	19.40	21.09
LTE Band7	15	21100	36	#Mid	QPSK	19.41	21.10
LTE Band7	15	21100	36	#Max	QPSK	20.07	21.76
LTE Band7	15	21100	75	#0	QPSK	19.45	21.14
LTE Band7	15	21375	1	#0	QPSK	21.44	23.13
LTE Band7	15	21375	1	#Mid	QPSK	20.18	21.87
LTE Band7	15	21375	1	#Max	QPSK	21.02	22.71
LTE Band7	15	21375	36	#0	QPSK	19.89	21.58
LTE Band7	15	21375	36	#Mid	QPSK	19.93	21.62
LTE Band7	15	21375	36	#Max	QPSK	19.62	21.31
LTE Band7	15	21375	75	#0	QPSK	19.20	20.89
LTE Band7	20	20850	1	#0	QPSK	20.89	22.58

LTE Band7	20	20850	1	#Mid	QPSK	21.99	23.68
LTE Band7	20	20850	1	#Max	QPSK	20.24	21.93
LTE Band7	20	20850	50	#0	QPSK	20.41	22.10
LTE Band7	20	20850	50	#Mid	QPSK	20.36	22.05
LTE Band7	20	20850	50	#Max	QPSK	19.79	21.48
LTE Band7	20	20850	100	#0	QPSK	19.37	21.06
LTE Band7	20	21100	1	#0	QPSK	20.56	22.25
LTE Band7	20	21100	1	#Mid	QPSK	20.67	22.36
LTE Band7	20	21100	1	#Max	QPSK	21.21	22.90
LTE Band7	20	21100	50	#0	QPSK	19.99	21.68
LTE Band7	20	21100	50	#Mid	QPSK	20.00	21.69
LTE Band7	20	21100	50	#Max	QPSK	20.20	21.89
LTE Band7	20	21100	100	#0	QPSK	19.09	20.78
LTE Band7	20	21350	1	#0	QPSK	21.12	22.81
LTE Band7	20	21350	1	#Mid	QPSK	20.45	22.14
LTE Band7	20	21350	1	#Max	QPSK	20.35	22.04
LTE Band7	20	21350	50	#0	QPSK	20.37	22.06
LTE Band7	20	21350	50	#Mid	QPSK	20.39	22.08
LTE Band7	20	21350	50	#Max	QPSK	20.19	21.88
LTE Band7	20	21350	100	#0	QPSK	18.98	20.67
LTE Band7	5	20775	1	#0	16QAM	19.66	21.35
LTE Band7	5	20775	1	#Mid	16QAM	20.06	21.75
LTE Band7	5	20775	1	#Max	16QAM	20.18	21.87
LTE Band7	5	20775	12	#0	16QAM	18.70	20.39
LTE Band7	5	20775	12	#Mid	16QAM	18.71	20.40
LTE Band7	5	20775	12	#Max	16QAM	18.55	20.24
LTE Band7	5	20775	25	#0	16QAM	18.50	20.19
LTE Band7	5	21100	1	#0	16QAM	20.34	22.03
LTE Band7	5	21100	1	#Mid	16QAM	19.90	21.59
LTE Band7	5	21100	1	#Max	16QAM	20.28	21.97
LTE Band7	5	21100	12	#0	16QAM	19.17	20.86
LTE Band7	5	21100	12	#Mid	16QAM	19.30	20.99
LTE Band7	5	21100	12	#Max	16QAM	19.03	20.72
LTE Band7	5	21100	25	#0	16QAM	18.84	20.53
LTE Band7	5	21425	1	#0	16QAM	20.71	22.40
LTE Band7	5	21425	1	#Mid	16QAM	20.99	22.68
LTE Band7	5	21425	1	#Max	16QAM	20.74	22.43
LTE Band7	5	21425	12	#0	16QAM	19.38	21.07
LTE Band7	5	21425	12	#Mid	16QAM	19.41	21.10
LTE Band7	5	21425	12	#Max	16QAM	19.12	20.81
LTE Band7	5	21425	25	#0	16QAM	18.51	20.20
LTE Band7	10	20800	1	#0	16QAM	20.12	21.81
LTE Band7	10	20800	1	#Mid	16QAM	20.12	21.81

LTE Band7	10	20800	1	#Max	16QAM	20.58	22.27
LTE Band7	10	20800	25	#0	16QAM	18.89	20.58
LTE Band7	10	20800	25	#Mid	16QAM	18.85	20.54
LTE Band7	10	20800	25	#Max	16QAM	19.18	20.87
LTE Band7	10	21100	1	#0	16QAM	20.16	21.85
LTE Band7	10	21100	1	#Mid	16QAM	19.93	21.62
LTE Band7	10	21100	1	#Max	16QAM	20.69	22.38
LTE Band7	10	21100	25	#0	16QAM	18.82	20.51
LTE Band7	10	21100	25	#Mid	16QAM	18.84	20.53
LTE Band7	10	21100	25	#Max	16QAM	19.75	21.44
LTE Band7	10	21400	1	#0	16QAM	20.42	22.11
LTE Band7	10	21400	1	#Mid	16QAM	19.32	21.01
LTE Band7	10	21400	1	#Max	16QAM	20.29	21.98
LTE Band7	10	21400	25	#0	16QAM	19.30	20.99
LTE Band7	10	21400	25	#Mid	16QAM	19.33	21.02
LTE Band7	10	21400	25	#Max	16QAM	19.06	20.75
LTE Band7	15	20825	1	#0	16QAM	20.00	21.69
LTE Band7	15	20825	1	#Mid	16QAM	20.25	21.94
LTE Band7	15	20825	1	#Max	16QAM	20.55	22.24
LTE Band7	15	21100	1	#0	16QAM	20.22	21.91
LTE Band7	15	21100	1	#Mid	16QAM	19.91	21.60
LTE Band7	15	21100	1	#Max	16QAM	20.75	22.44
LTE Band7	15	21375	1	#0	16QAM	20.82	22.51
LTE Band7	15	21375	1	#Mid	16QAM	19.77	21.46
LTE Band7	15	21375	1	#Max	16QAM	20.63	22.32
LTE Band7	20	20850	1	#0	16QAM	20.31	22.00
LTE Band7	20	20850	1	#Mid	16QAM	21.55	23.24
LTE Band7	20	20850	1	#Max	16QAM	19.78	21.47
LTE Band7	20	21100	1	#0	16QAM	19.70	21.39
LTE Band7	20	21100	1	#Mid	16QAM	19.84	21.53
LTE Band7	20	21100	1	#Max	16QAM	20.51	22.20
LTE Band7	20	21350	1	#0	16QAM	20.45	22.14
LTE Band7	20	21350	1	#Mid	16QAM	19.84	21.53
LTE Band7	20	21350	1	#Max	16QAM	19.78	21.47

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)
LTE Band66	1.4	131979	1	#0	QPSK	20.91	22.57
LTE Band66	1.4	131979	1	#Mid	QPSK	21.15	22.81
LTE Band66	1.4	131979	1	#Max	QPSK	20.87	22.53
LTE Band66	1.4	131979	3	#0	QPSK	21.07	22.73
LTE Band66	1.4	131979	3	#Mid	QPSK	21.06	22.72
LTE Band66	1.4	131979	3	#Max	QPSK	20.79	22.45

LTE Band66	1.4	131979	6	#0	QPSK	19.76	21.42
LTE Band66	1.4	132322	1	#0	QPSK	21.30	22.96
LTE Band66	1.4	132322	1	#Mid	QPSK	21.33	22.99
LTE Band66	1.4	132322	1	#Max	QPSK	20.86	22.52
LTE Band66	1.4	132322	3	#0	QPSK	21.34	23.00
LTE Band66	1.4	132322	3	#Mid	QPSK	21.33	22.99
LTE Band66	1.4	132322	3	#Max	QPSK	20.99	22.65
LTE Band66	1.4	132322	6	#0	QPSK	20.04	21.70
LTE Band66	1.4	132665	1	#0	QPSK	22.64	24.30
LTE Band66	1.4	132665	1	#Mid	QPSK	21.27	22.93
LTE Band66	1.4	132665	1	#Max	QPSK	21.23	22.89
LTE Band66	1.4	132665	3	#0	QPSK	21.57	23.23
LTE Band66	1.4	132665	3	#Mid	QPSK	21.56	23.22
LTE Band66	1.4	132665	3	#Max	QPSK	20.97	22.63
LTE Band66	1.4	132665	6	#0	QPSK	20.07	21.73
LTE Band66	3	131987	1	#0	QPSK	20.85	22.51
LTE Band66	3	131987	1	#Mid	QPSK	21.33	22.99
LTE Band66	3	131987	1	#Max	QPSK	20.68	22.34
LTE Band66	3	131987	8	#0	QPSK	20.01	21.67
LTE Band66	3	131987	8	#Mid	QPSK	20.01	21.67
LTE Band66	3	131987	8	#Max	QPSK	19.98	21.64
LTE Band66	3	131987	15	#0	QPSK	19.97	21.63
LTE Band66	3	132322	1	#0	QPSK	21.39	23.05
LTE Band66	3	132322	1	#Mid	QPSK	21.59	23.25
LTE Band66	3	132322	1	#Max	QPSK	20.88	22.54
LTE Band66	3	132322	8	#0	QPSK	20.22	21.88
LTE Band66	3	132322	8	#Mid	QPSK	20.22	21.88
LTE Band66	3	132322	8	#Max	QPSK	20.08	21.74
LTE Band66	3	132322	15	#0	QPSK	20.10	21.76
LTE Band66	3	132657	1	#0	QPSK	21.03	22.69
LTE Band66	3	132657	1	#Mid	QPSK	21.67	23.33
LTE Band66	3	132657	1	#Max	QPSK	21.29	22.95
LTE Band66	3	132657	8	#0	QPSK	20.33	21.99
LTE Band66	3	132657	8	#Mid	QPSK	20.34	22.00
LTE Band66	3	132657	8	#Max	QPSK	20.16	21.82
LTE Band66	3	132657	15	#0	QPSK	20.22	21.88
LTE Band66	5	131997	1	#0	QPSK	21.07	22.73
LTE Band66	5	131997	1	#Mid	QPSK	20.80	22.46
LTE Band66	5	131997	1	#Max	QPSK	20.64	22.30
LTE Band66	5	131997	12	#0	QPSK	19.81	21.47
LTE Band66	5	131997	12	#Mid	QPSK	19.82	21.48
LTE Band66	5	131997	12	#Max	QPSK	19.31	20.97
LTE Band66	5	131997	25	#0	QPSK	19.89	21.55

LTE Band66	5	132322	1	#0	QPSK	21.47	23.13
LTE Band66	5	132322	1	#Mid	QPSK	21.18	22.84
LTE Band66	5	132322	1	#Max	QPSK	21.78	23.44
LTE Band66	5	132322	12	#0	QPSK	20.30	21.96
LTE Band66	5	132322	12	#Mid	QPSK	20.32	21.98
LTE Band66	5	132322	12	#Max	QPSK	20.29	21.95
LTE Band66	5	132322	25	#0	QPSK	20.14	21.80
LTE Band66	5	132647	1	#0	QPSK	20.40	22.06
LTE Band66	5	132647	1	#Mid	QPSK	21.30	22.96
LTE Band66	5	132647	1	#Max	QPSK	21.42	23.08
LTE Band66	5	132647	12	#0	QPSK	20.04	21.70
LTE Band66	5	132647	12	#Mid	QPSK	20.05	21.71
LTE Band66	5	132647	12	#Max	QPSK	19.82	21.48
LTE Band66	5	132647	25	#0	QPSK	20.33	21.99
LTE Band66	10	132022	1	#0	QPSK	20.93	22.59
LTE Band66	10	132022	1	#Mid	QPSK	20.70	22.36
LTE Band66	10	132022	1	#Max	QPSK	20.21	21.87
LTE Band66	10	132022	25	#0	QPSK	19.34	21.00
LTE Band66	10	132022	25	#Mid	QPSK	19.34	21.00
LTE Band66	10	132022	25	#Max	QPSK	19.42	21.08
LTE Band66	10	132022	50	#0	QPSK	19.71	21.37
LTE Band66	10	132322	1	#0	QPSK	21.42	23.08
LTE Band66	10	132322	1	#Mid	QPSK	21.37	23.03
LTE Band66	10	132322	1	#Max	QPSK	20.55	22.21
LTE Band66	10	132322	25	#0	QPSK	20.04	21.70
LTE Band66	10	132322	25	#Mid	QPSK	20.05	21.71
LTE Band66	10	132322	25	#Max	QPSK	20.02	21.68
LTE Band66	10	132322	50	#0	QPSK	20.30	21.96
LTE Band66	10	132622	1	#0	QPSK	22.23	23.89
LTE Band66	10	132622	1	#Mid	QPSK	21.34	23.00
LTE Band66	10	132622	1	#Max	QPSK	21.32	22.98
LTE Band66	10	132622	25	#0	QPSK	20.06	21.72
LTE Band66	10	132622	25	#Mid	QPSK	20.06	21.72
LTE Band66	10	132622	25	#Max	QPSK	20.30	21.96
LTE Band66	10	132622	50	#0	QPSK	20.20	21.86
LTE Band66	15	132047	1	#0	QPSK	20.74	22.40
LTE Band66	15	132047	1	#Mid	QPSK	20.38	22.04
LTE Band66	15	132047	1	#Max	QPSK	19.52	21.18
LTE Band66	15	132047	36	#0	QPSK	19.25	20.91
LTE Band66	15	132047	36	#Mid	QPSK	19.26	20.92
LTE Band66	15	132047	36	#Max	QPSK	19.21	20.87
LTE Band66	15	132047	75	#0	QPSK	19.43	21.09
LTE Band66	15	132322	1	#0	QPSK	21.75	23.41

LTE Band66	15	132322	1	#Mid	QPSK	21.18	22.84
LTE Band66	15	132322	1	#Max	QPSK	20.36	22.02
LTE Band66	15	132322	36	#0	QPSK	20.08	21.74
LTE Band66	15	132322	36	#Mid	QPSK	20.11	21.77
LTE Band66	15	132322	36	#Max	QPSK	19.82	21.48
LTE Band66	15	132322	75	#0	QPSK	20.24	21.90
LTE Band66	15	132597	1	#0	QPSK	21.20	22.86
LTE Band66	15	132597	1	#Mid	QPSK	20.96	22.62
LTE Band66	15	132597	1	#Max	QPSK	21.05	22.71
LTE Band66	15	132597	36	#0	QPSK	19.28	20.94
LTE Band66	15	132597	36	#Mid	QPSK	19.28	20.94
LTE Band66	15	132597	36	#Max	QPSK	20.36	22.02
LTE Band66	15	132597	75	#0	QPSK	19.87	21.53
LTE Band66	20	132072	1	#0	QPSK	20.52	22.18
LTE Band66	20	132072	1	#Mid	QPSK	20.58	22.24
LTE Band66	20	132072	1	#Max	QPSK	20.25	21.91
LTE Band66	20	132072	50	#0	QPSK	19.93	21.59
LTE Band66	20	132072	50	#Mid	QPSK	19.94	21.60
LTE Band66	20	132072	50	#Max	QPSK	20.25	21.91
LTE Band66	20	132072	100	#0	QPSK	19.19	20.85
LTE Band66	20	132322	1	#0	QPSK	21.77	23.43
LTE Band66	20	132322	1	#Mid	QPSK	21.58	23.24
LTE Band66	20	132322	1	#Max	QPSK	20.72	22.38
LTE Band66	20	132322	50	#0	QPSK	21.06	22.72
LTE Band66	20	132322	50	#Mid	QPSK	21.07	22.73
LTE Band66	20	132322	50	#Max	QPSK	20.61	22.27
LTE Band66	20	132322	100	#0	QPSK	20.11	21.77
LTE Band66	20	132572	1	#0	QPSK	20.83	22.49
LTE Band66	20	132572	1	#Mid	QPSK	21.03	22.69
LTE Band66	20	132572	1	#Max	QPSK	21.56	23.22
LTE Band66	20	132572	50	#0	QPSK	19.67	21.33
LTE Band66	20	132572	50	#Mid	QPSK	19.67	21.33
LTE Band66	20	132572	50	#Max	QPSK	20.83	22.49
LTE Band66	20	132572	100	#0	QPSK	19.70	21.36
LTE Band66	1.4	131979	1	#0	16QAM	20.28	21.94
LTE Band66	1.4	131979	1	#Mid	16QAM	20.54	22.20
LTE Band66	1.4	131979	1	#Max	16QAM	20.25	21.91
LTE Band66	1.4	131979	3	#0	16QAM	20.60	22.26
LTE Band66	1.4	131979	3	#Mid	16QAM	20.59	22.25
LTE Band66	1.4	131979	3	#Max	16QAM	20.34	22.00
LTE Band66	1.4	131979	6	#0	16QAM	19.16	20.82
LTE Band66	1.4	132322	1	#0	16QAM	20.89	22.55
LTE Band66	1.4	132322	1	#Mid	16QAM	20.96	22.62

LTE Band66	1.4	132322	1	#Max	16QAM	20.55	22.21
LTE Band66	1.4	132322	3	#0	16QAM	20.85	22.51
LTE Band66	1.4	132322	3	#Mid	16QAM	20.84	22.50
LTE Band66	1.4	132322	3	#Max	16QAM	20.55	22.21
LTE Band66	1.4	132322	6	#0	16QAM	19.44	21.10
LTE Band66	1.4	132665	1	#0	16QAM	21.62	23.28
LTE Band66	1.4	132665	1	#Mid	16QAM	20.56	22.22
LTE Band66	1.4	132665	1	#Max	16QAM	20.49	22.15
LTE Band66	1.4	132665	3	#0	16QAM	20.97	22.63
LTE Band66	1.4	132665	3	#Mid	16QAM	20.97	22.63
LTE Band66	1.4	132665	3	#Max	16QAM	20.36	22.02
LTE Band66	1.4	132665	6	#0	16QAM	19.44	21.10
LTE Band66	3	131987	1	#0	16QAM	20.52	22.18
LTE Band66	3	131987	1	#Mid	16QAM	21.03	22.69
LTE Band66	3	131987	1	#Max	16QAM	20.29	21.95
LTE Band66	3	131987	8	#0	16QAM	19.30	20.96
LTE Band66	3	131987	8	#Mid	16QAM	19.29	20.95
LTE Band66	3	131987	8	#Max	16QAM	19.27	20.93
LTE Band66	3	131987	15	#0	16QAM	19.22	20.88
LTE Band66	3	132322	1	#0	16QAM	20.96	22.62
LTE Band66	3	132322	1	#Mid	16QAM	21.24	22.90
LTE Band66	3	132322	1	#Max	16QAM	20.54	22.20
LTE Band66	3	132322	8	#0	16QAM	19.65	21.31
LTE Band66	3	132322	8	#Mid	16QAM	19.66	21.32
LTE Band66	3	132322	8	#Max	16QAM	19.51	21.17
LTE Band66	3	132322	15	#0	16QAM	19.48	21.14
LTE Band66	3	132657	1	#0	16QAM	20.29	21.95
LTE Band66	3	132657	1	#Mid	16QAM	20.95	22.61
LTE Band66	3	132657	1	#Max	16QAM	20.56	22.22
LTE Band66	3	132657	8	#0	16QAM	19.74	21.40
LTE Band66	3	132657	8	#Mid	16QAM	19.75	21.41
LTE Band66	3	132657	8	#Max	16QAM	19.59	21.25
LTE Band66	3	132657	15	#0	16QAM	19.64	21.30
LTE Band66	5	131997	1	#0	16QAM	20.94	22.60
LTE Band66	5	131997	1	#Mid	16QAM	20.77	22.43
LTE Band66	5	131997	1	#Max	16QAM	20.68	22.34
LTE Band66	5	131997	12	#0	16QAM	19.61	21.27
LTE Band66	5	131997	12	#Mid	16QAM	19.63	21.29
LTE Band66	5	131997	12	#Max	16QAM	19.16	20.82
LTE Band66	5	131997	25	#0	16QAM	19.67	21.33
LTE Band66	5	132322	1	#0	16QAM	21.68	23.34
LTE Band66	5	132322	1	#Mid	16QAM	21.42	23.08
LTE Band66	5	132322	1	#Max	16QAM	21.70	23.36

LTE Band66	5	132322	12	#0	16QAM	20.23	21.89
LTE Band66	5	132322	12	#Mid	16QAM	20.24	21.90
LTE Band66	5	132322	12	#Max	16QAM	20.26	21.92
LTE Band66	5	132322	25	#0	16QAM	20.14	21.80
LTE Band66	5	132647	1	#0	16QAM	20.33	21.99
LTE Band66	5	132647	1	#Mid	16QAM	21.34	23.00
LTE Band66	5	132647	1	#Max	16QAM	21.63	23.29
LTE Band66	5	132647	12	#0	16QAM	19.76	21.42
LTE Band66	5	132647	12	#Mid	16QAM	19.76	21.42
LTE Band66	5	132647	12	#Max	16QAM	19.68	21.34
LTE Band66	5	132647	25	#0	16QAM	20.13	21.79
LTE Band66	10	132022	1	#0	16QAM	21.00	22.66
LTE Band66	10	132022	1	#Mid	16QAM	20.93	22.59
LTE Band66	10	132022	1	#Max	16QAM	20.38	22.04
LTE Band66	10	132022	25	#0	16QAM	19.22	20.88
LTE Band66	10	132022	25	#Mid	16QAM	19.24	20.90
LTE Band66	10	132022	25	#Max	16QAM	19.32	20.98
LTE Band66	10	132322	1	#0	16QAM	21.40	23.06
LTE Band66	10	132322	1	#Mid	16QAM	21.44	23.10
LTE Band66	10	132322	1	#Max	16QAM	20.72	22.38
LTE Band66	10	132322	25	#0	16QAM	19.96	21.62
LTE Band66	10	132322	25	#Mid	16QAM	19.96	21.62
LTE Band66	10	132322	25	#Max	16QAM	19.98	21.64
LTE Band66	10	132622	1	#0	16QAM	21.40	23.06
LTE Band66	10	132622	1	#Mid	16QAM	20.88	22.54
LTE Band66	10	132622	1	#Max	16QAM	20.99	22.65
LTE Band66	10	132622	25	#0	16QAM	19.61	21.27
LTE Band66	10	132622	25	#Mid	16QAM	19.61	21.27
LTE Band66	10	132622	25	#Max	16QAM	20.01	21.67
LTE Band66	15	132047	1	#0	16QAM	20.50	22.16
LTE Band66	15	132047	1	#Mid	16QAM	20.16	21.82
LTE Band66	15	132047	1	#Max	16QAM	19.28	20.94
LTE Band66	15	132322	1	#0	16QAM	21.41	23.07
LTE Band66	15	132322	1	#Mid	16QAM	20.98	22.64
LTE Band66	15	132322	1	#Max	16QAM	20.19	21.85
LTE Band66	15	132597	1	#0	16QAM	20.72	22.38
LTE Band66	15	132597	1	#Mid	16QAM	20.43	22.09
LTE Band66	15	132597	1	#Max	16QAM	20.75	22.41
LTE Band66	20	132072	1	#0	16QAM	20.24	21.90
LTE Band66	20	132072	1	#Mid	16QAM	20.31	21.97
LTE Band66	20	132072	1	#Max	16QAM	19.96	21.62
LTE Band66	20	132322	1	#0	16QAM	21.07	22.73
LTE Band66	20	132322	1	#Mid	16QAM	20.93	22.59

LTE Band66	20	132322	1	#Max	16QAM	19.70	21.36
LTE Band66	20	132572	1	#0	16QAM	20.06	21.72
LTE Band66	20	132572	1	#Mid	16QAM	20.16	21.82
LTE Band66	20	132572	1	#Max	16QAM	20.60	22.26

6.2 Occupied Bandwidth

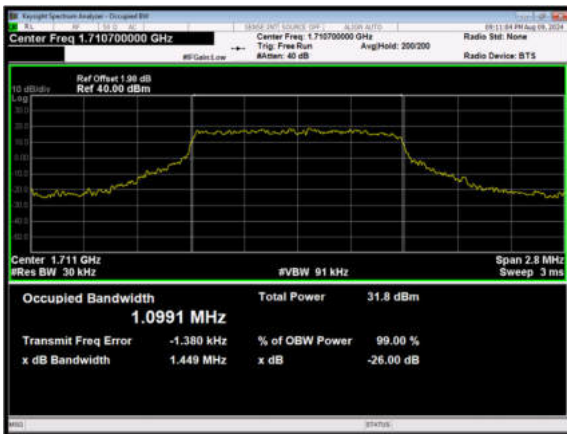
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
LTE Band4	1.4	19957	6	#0	QPSK	1.099	1.449
LTE Band4	1.4	20175	6	#0	QPSK	1.093	1.434
LTE Band4	1.4	20393	6	#0	QPSK	1.094	1.397
LTE Band4	3	19965	15	#0	QPSK	2.682	3.160
LTE Band4	3	20175	15	#0	QPSK	2.683	3.157
LTE Band4	3	20385	15	#0	QPSK	2.696	3.164
LTE Band4	5	19975	25	#0	QPSK	4.515	5.069
LTE Band4	5	20175	25	#0	QPSK	4.489	5.041
LTE Band4	5	20375	25	#0	QPSK	4.470	5.040
LTE Band4	10	20000	50	#0	QPSK	8.921	9.607
LTE Band4	10	20175	50	#0	QPSK	8.923	9.574
LTE Band4	10	20350	50	#0	QPSK	8.950	9.618
LTE Band4	15	20025	75	#0	QPSK	13.473	15.893
LTE Band4	15	20175	75	#0	QPSK	13.482	16.116
LTE Band4	15	20325	75	#0	QPSK	13.488	16.038
LTE Band4	20	20050	100	#0	QPSK	17.829	20.407
LTE Band4	20	20175	100	#0	QPSK	17.898	20.378
LTE Band4	20	20300	100	#0	QPSK	17.868	20.704
LTE Band4	1.4	19957	6	#0	QAM16	1.105	1.500
LTE Band4	1.4	20175	6	#0	QAM16	1.106	1.450
LTE Band4	1.4	20393	6	#0	QAM16	1.098	1.461
LTE Band4	3	19965	15	#0	QAM16	2.686	3.208
LTE Band4	3	20175	15	#0	QAM16	2.689	3.197
LTE Band4	3	20385	15	#0	QAM16	2.693	3.216
LTE Band4	5	19975	25	#0	QAM16	4.513	5.014
LTE Band4	5	20175	25	#0	QAM16	4.487	4.994
LTE Band4	5	20375	25	#0	QAM16	4.484	4.960

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
LTE Band7	5	20775	25	#0	QPSK	4.512	4.957
LTE Band7	5	21100	25	#0	QPSK	4.490	5.051
LTE Band7	5	21425	25	#0	QPSK	4.484	4.981
LTE Band7	10	20800	50	#0	QPSK	8.913	9.550
LTE Band7	10	21100	50	#0	QPSK	8.922	9.656
LTE Band7	10	21400	50	#0	QPSK	8.922	9.554

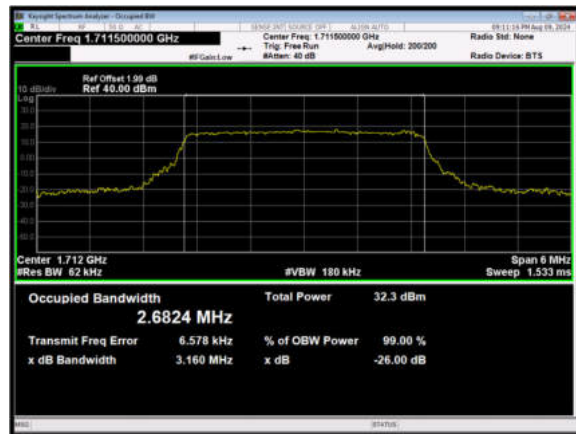
LTE Band7	15	20825	75	#0	QPSK	13.552	16.293
LTE Band7	15	21100	75	#0	QPSK	13.488	16.104
LTE Band7	15	21375	75	#0	QPSK	13.532	16.214
LTE Band7	20	20850	100	#0	QPSK	17.869	20.381
LTE Band7	20	21100	100	#0	QPSK	17.861	20.298
LTE Band7	20	21350	100	#0	QPSK	17.947	20.234
LTE Band7	5	20775	25	#0	QAM16	4.481	5.043
LTE Band7	5	21100	25	#0	QAM16	4.494	4.953
LTE Band7	5	21425	25	#0	QAM16	4.478	5.034

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
LTE Band66	1.4	131979	6	#0	QPSK	1.098	1.434
LTE Band66	1.4	132322	6	#0	QPSK	1.095	1.454
LTE Band66	1.4	132665	6	#0	QPSK	1.092	1.471
LTE Band66	3	131987	15	#0	QPSK	2.68	3.091
LTE Band66	3	132322	15	#0	QPSK	2.696	3.131
LTE Band66	3	132657	15	#0	QPSK	2.695	3.188
LTE Band66	5	131997	25	#0	QPSK	4.491	5.031
LTE Band66	5	132322	25	#0	QPSK	4.482	5.072
LTE Band66	5	132647	25	#0	QPSK	4.484	5.036
LTE Band66	10	132022	50	#0	QPSK	8.934	9.605
LTE Band66	10	132322	50	#0	QPSK	8.921	9.632
LTE Band66	10	132622	50	#0	QPSK	8.905	9.651
LTE Band66	15	132047	75	#0	QPSK	13.501	16.486
LTE Band66	15	132322	75	#0	QPSK	13.505	16.273
LTE Band66	15	132597	75	#0	QPSK	13.528	16.304
LTE Band66	20	132072	100	#0	QPSK	17.92	20.679
LTE Band66	20	132322	100	#0	QPSK	17.905	20.28
LTE Band66	20	132572	100	#0	QPSK	17.936	20.224
LTE Band66	1.4	131979	6	#0	QAM16	1.101	1.474
LTE Band66	1.4	132322	6	#0	QAM16	1.105	1.435
LTE Band66	1.4	132665	6	#0	QAM16	1.09	1.42
LTE Band66	3	131987	15	#0	QAM16	2.694	3.107
LTE Band66	3	132322	15	#0	QAM16	2.686	3.218
LTE Band66	3	132657	15	#0	QAM16	2.684	3.242
LTE Band66	5	131997	25	#0	QAM16	4.496	5.137
LTE Band66	5	132322	25	#0	QAM16	4.502	5.124
LTE Band66	5	132647	25	#0	QAM16	4.496	5.019

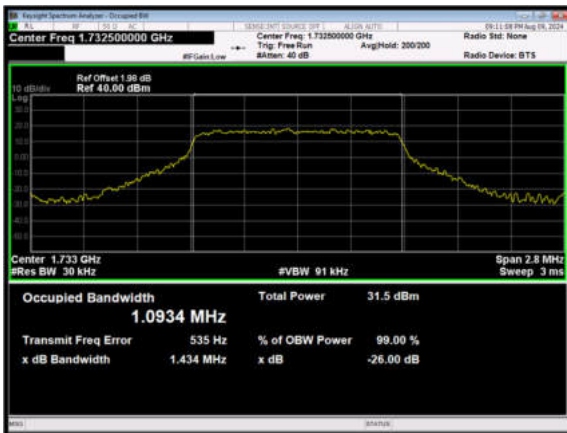
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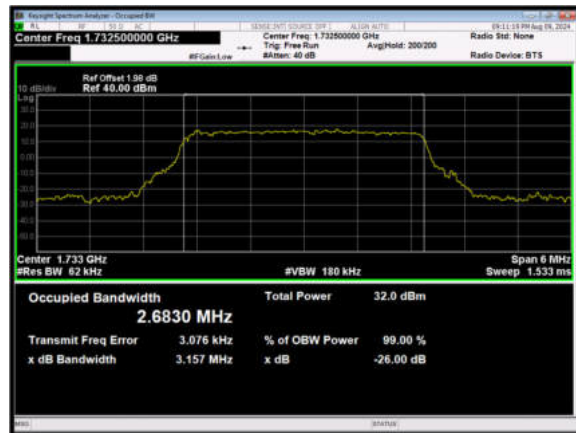
LTE Band 4 QPSK 3MHz CH-Low



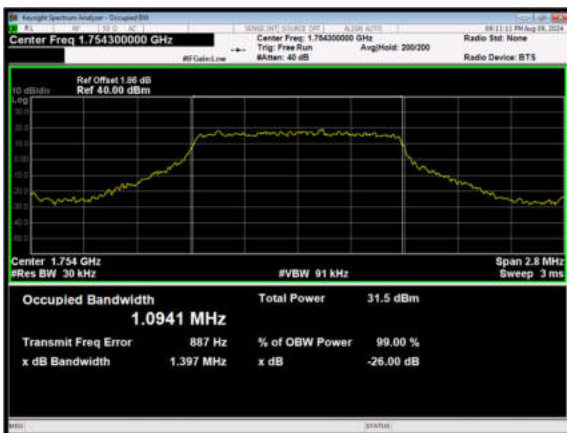
LTE Band 4 QPSK 1.4MHz CH-Middle



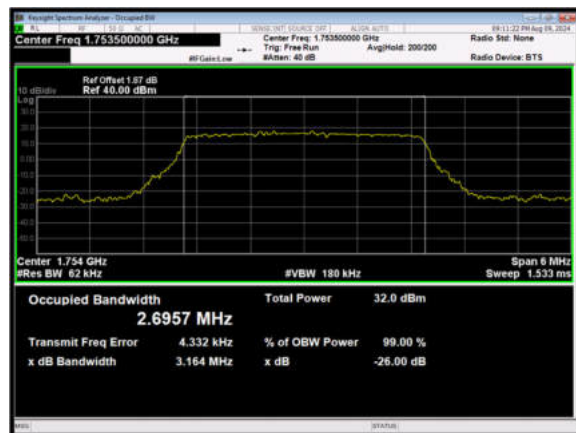
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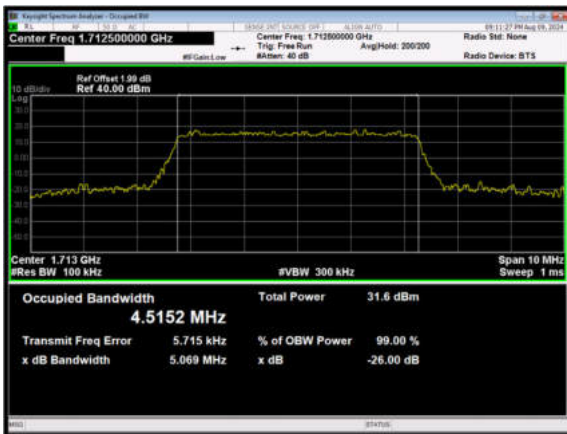
LTE Band 4 QPSK 1.4MHz CH-High



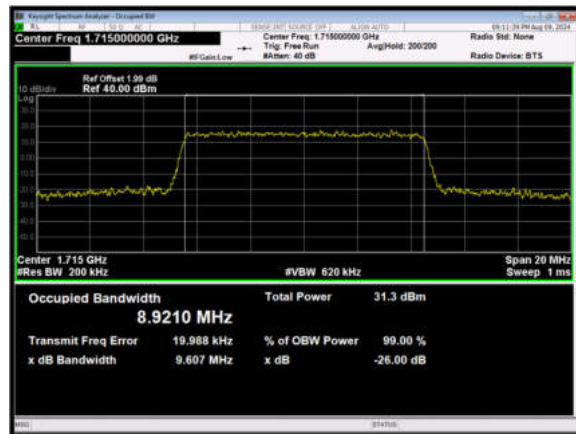
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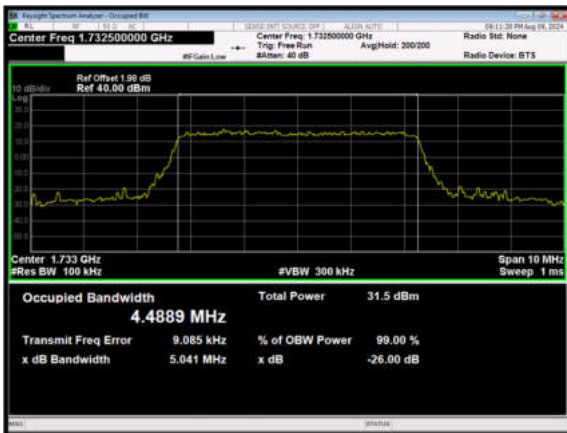
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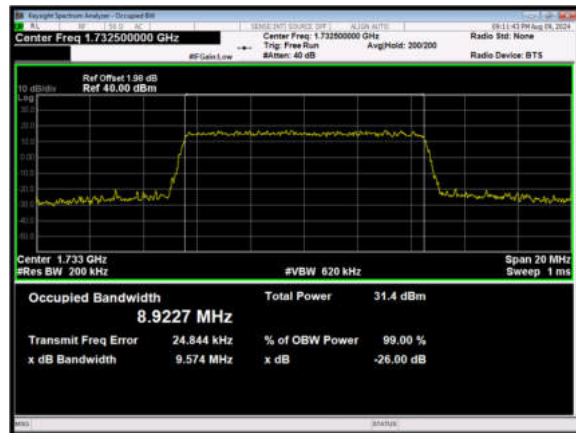
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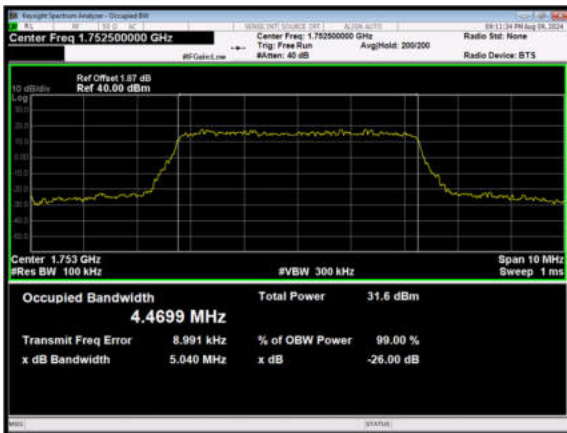
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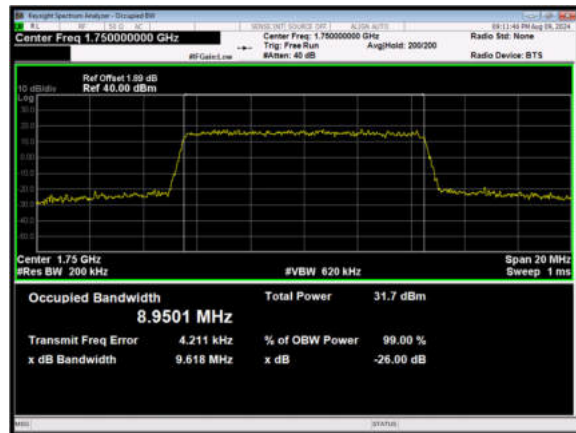
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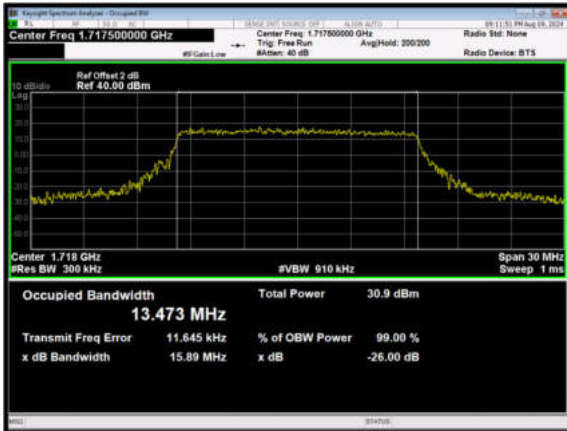
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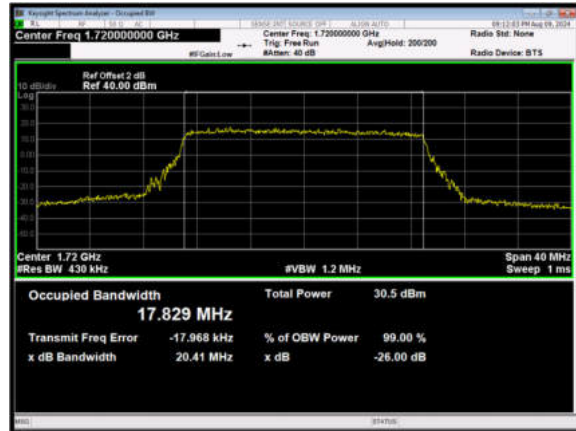
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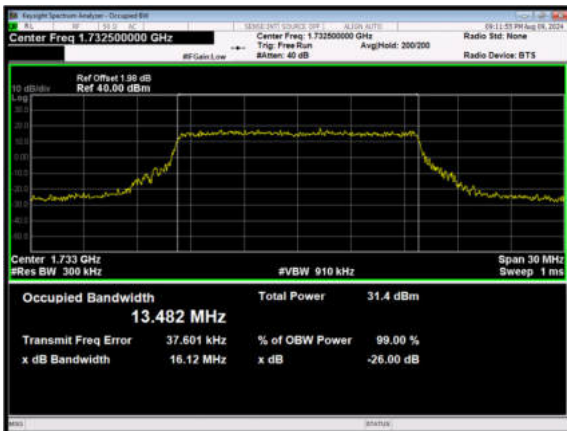
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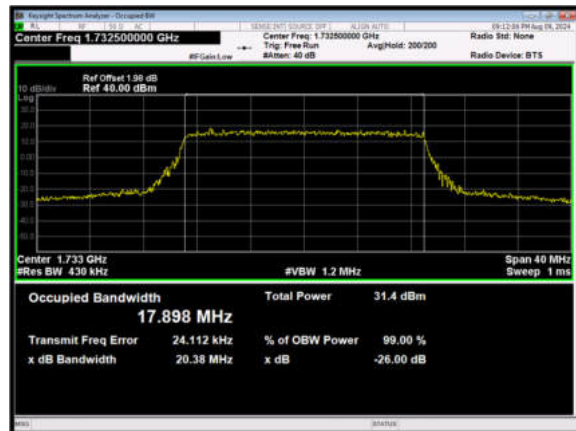
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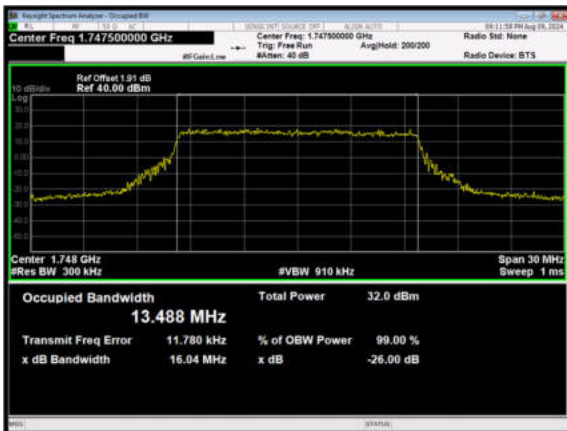
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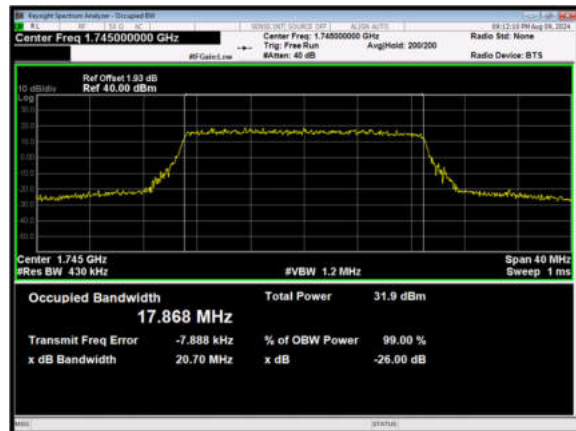
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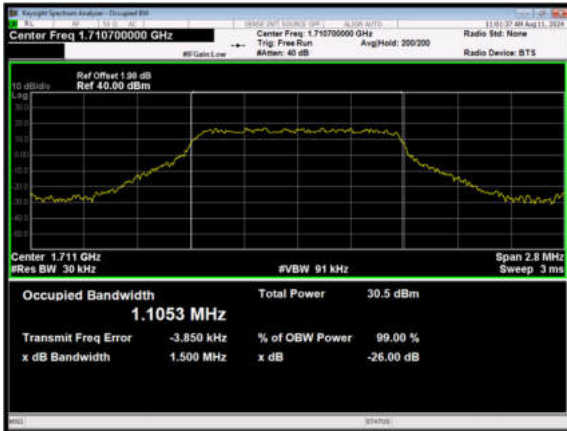
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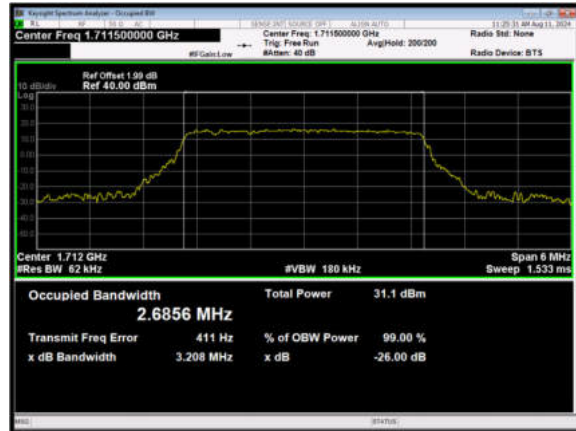
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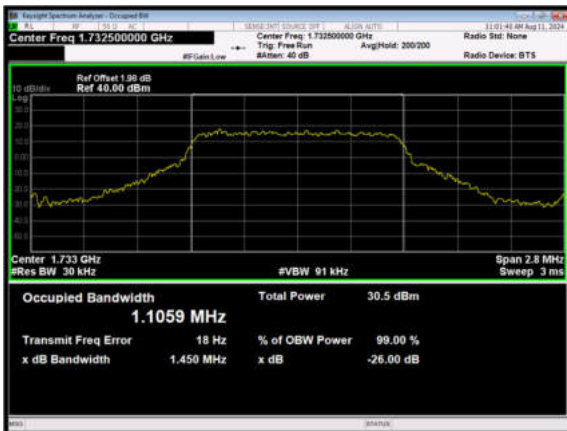
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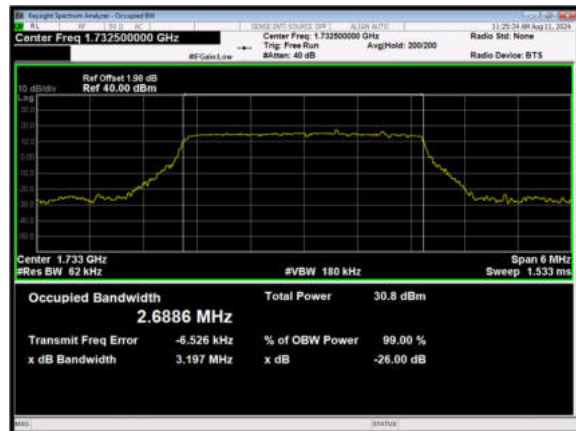
LTE Band 4 16QAM 3MHz CH-Low



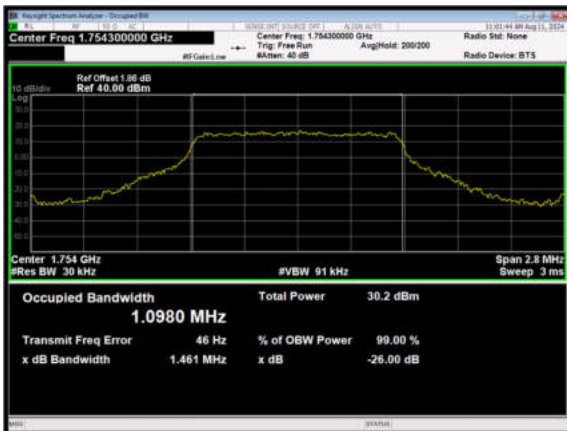
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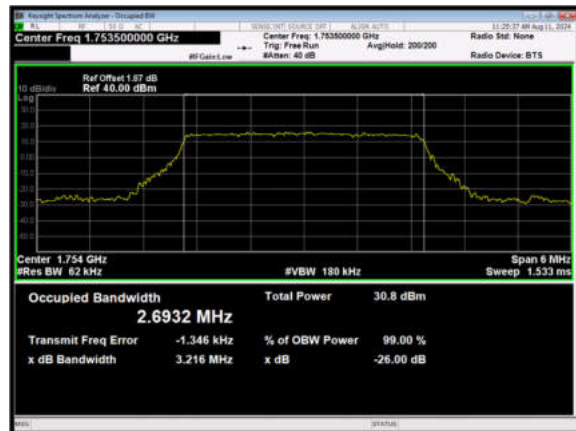
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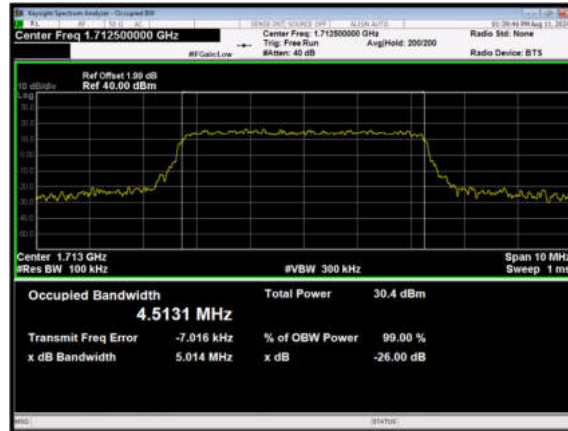
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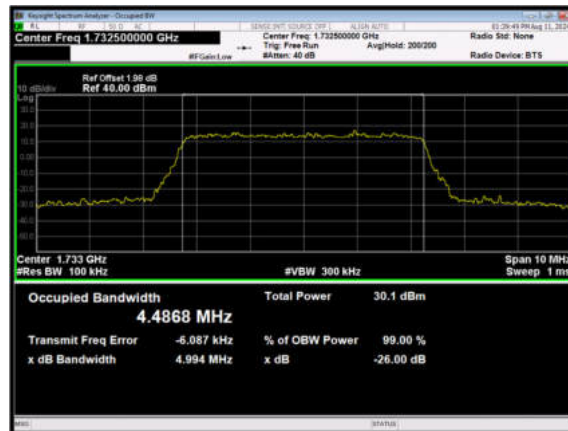
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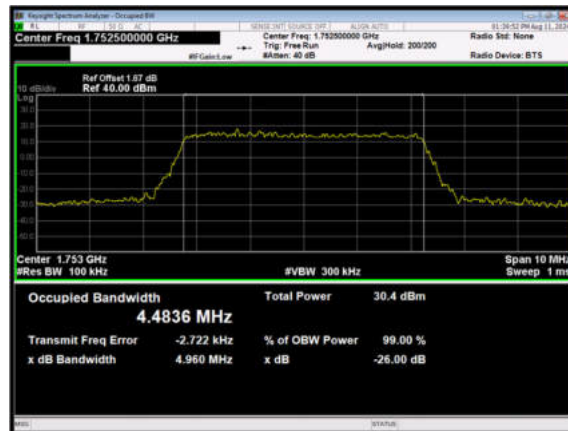
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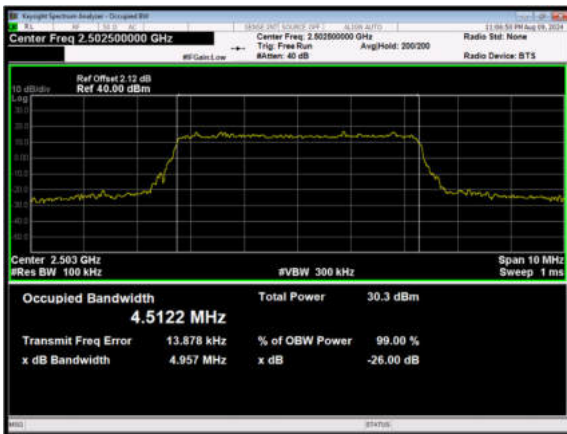
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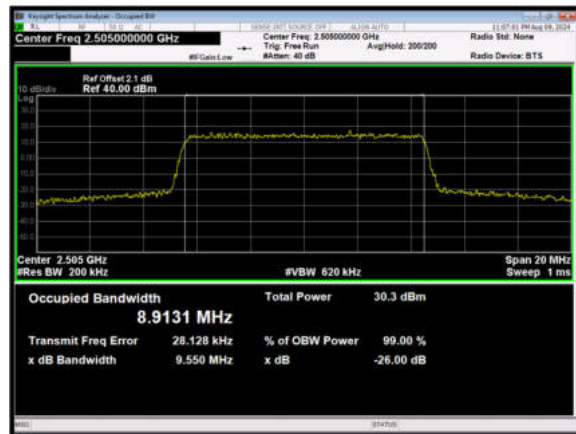
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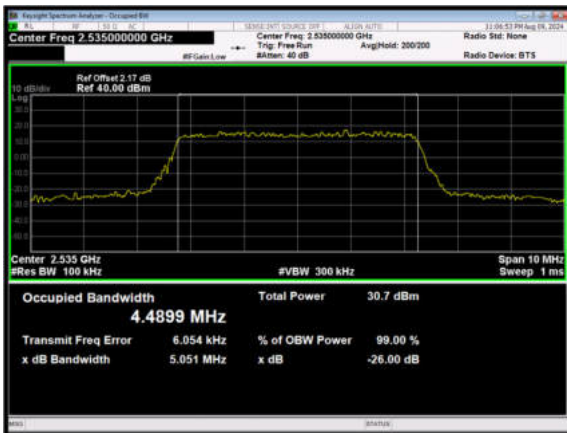
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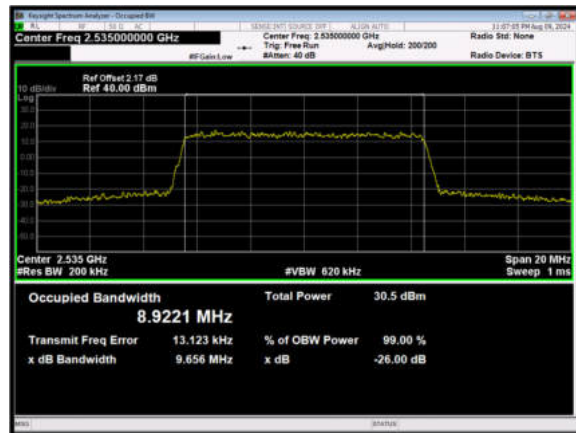
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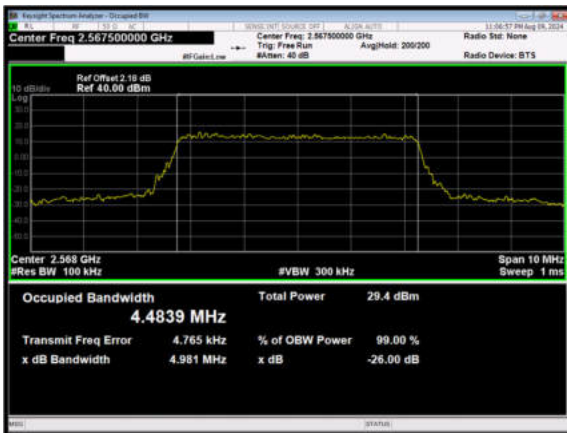
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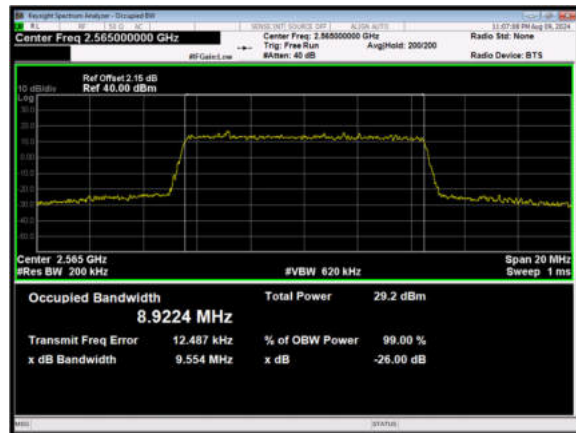
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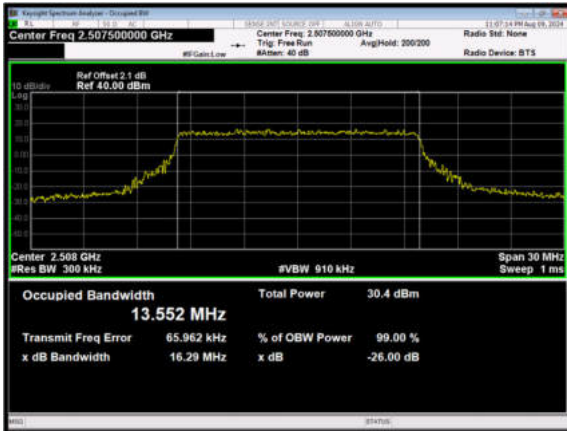
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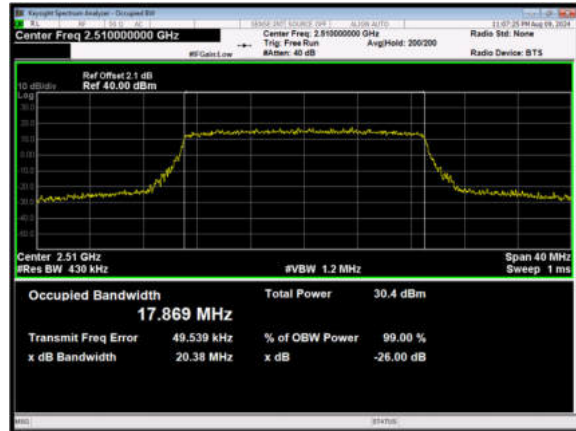
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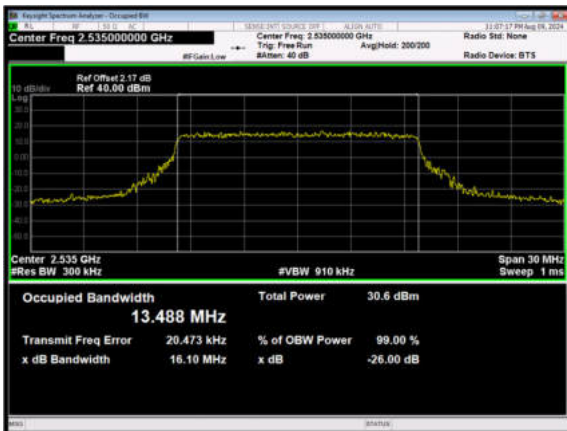
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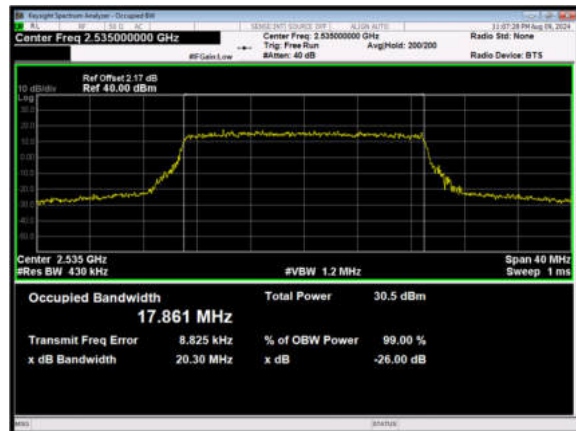
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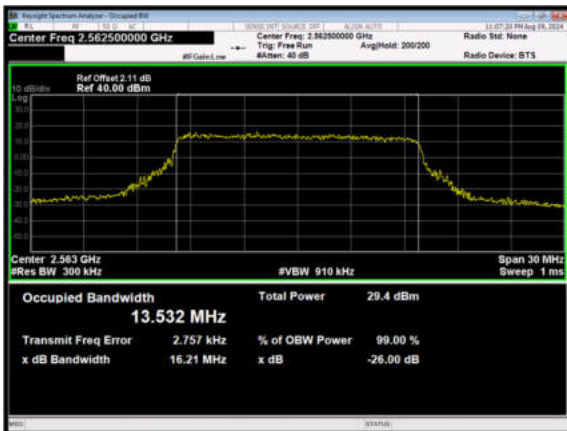
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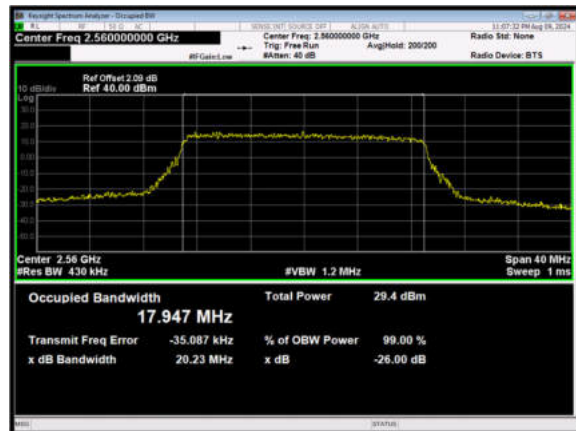
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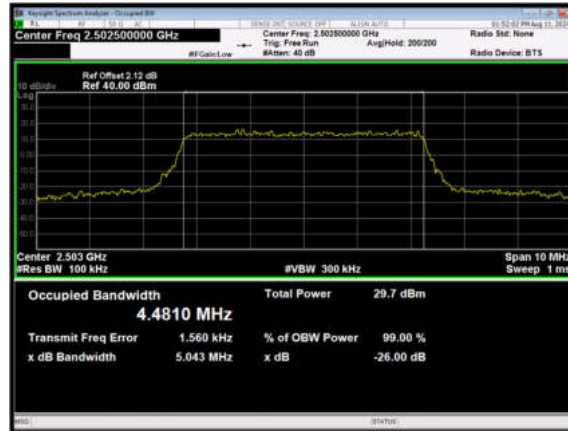
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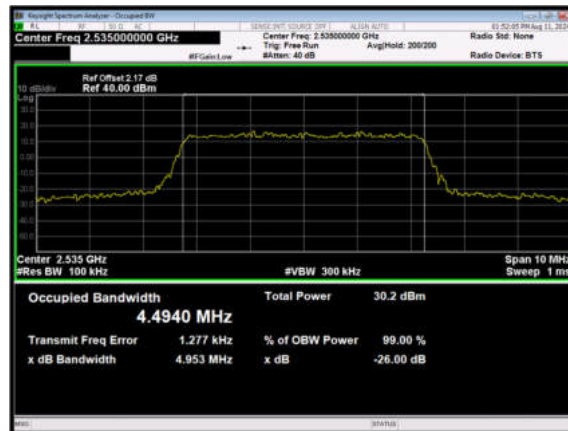
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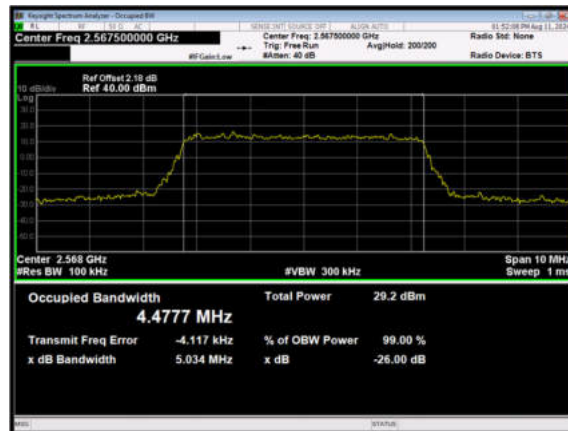
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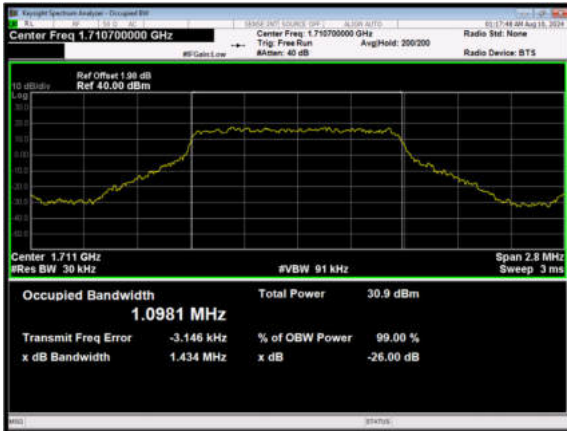
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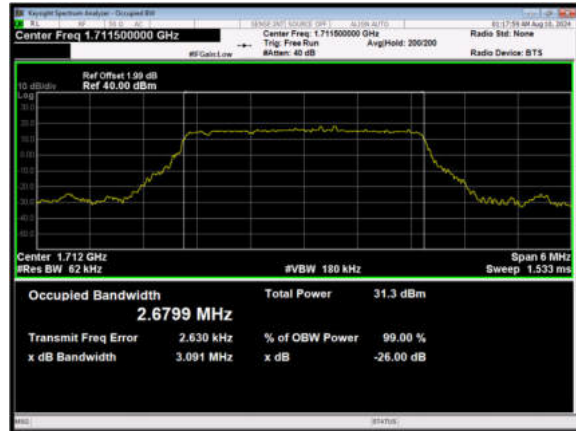
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LTE Band 66 QPSK 1.4MHz CH-Low



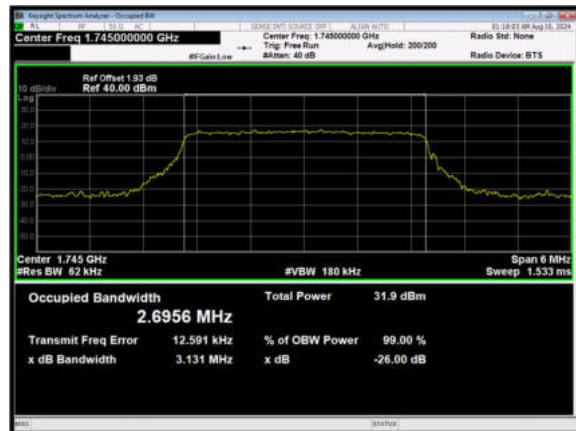
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LTE Band 66 QPSK 1.4MHz CH-Middle



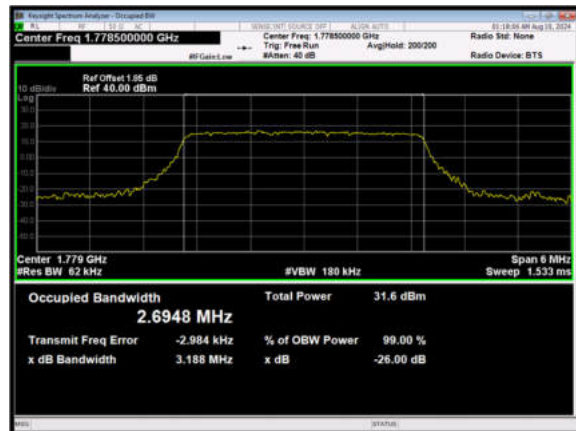
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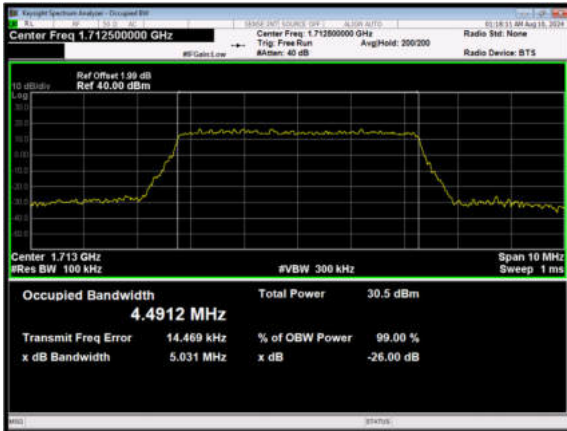
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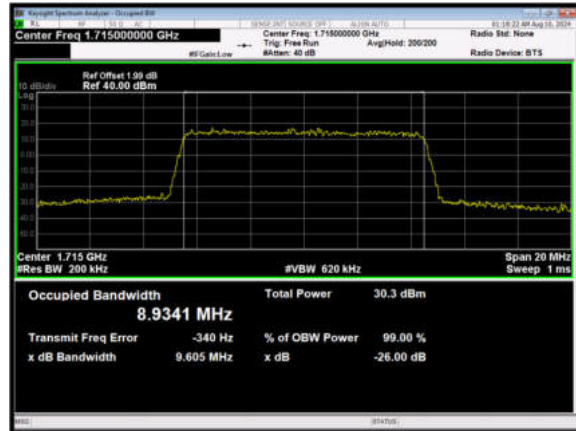
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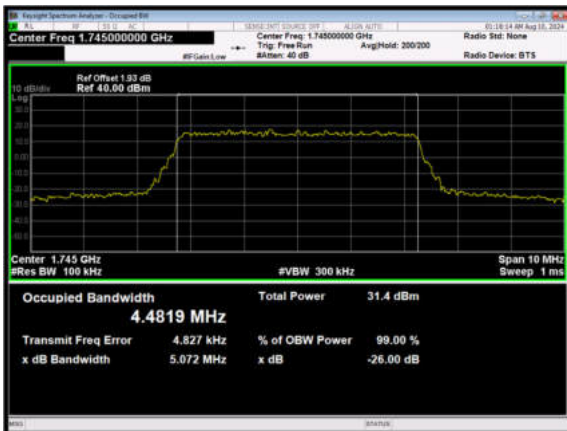
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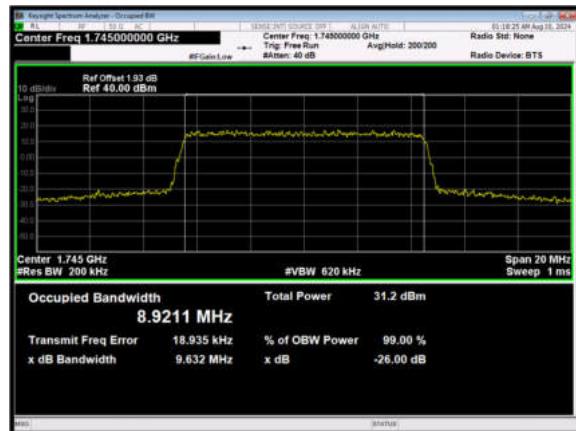
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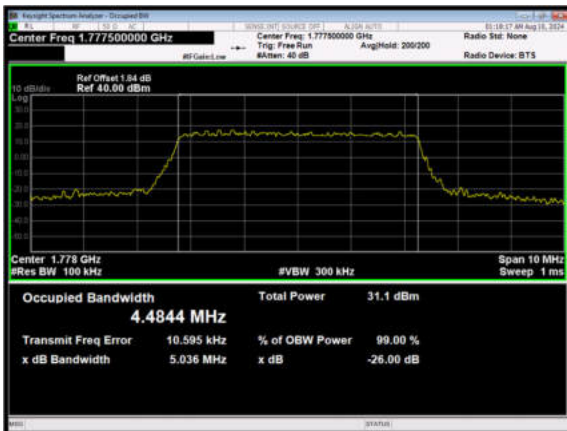
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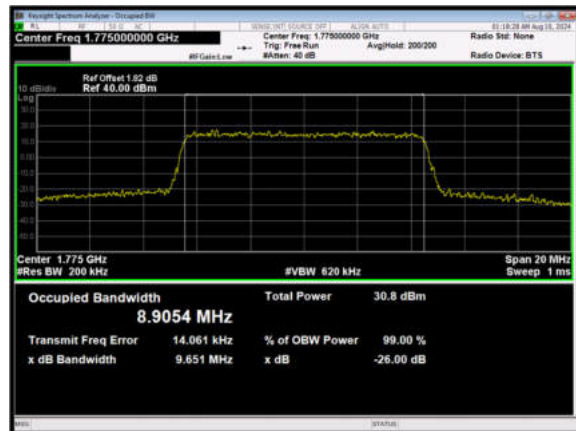
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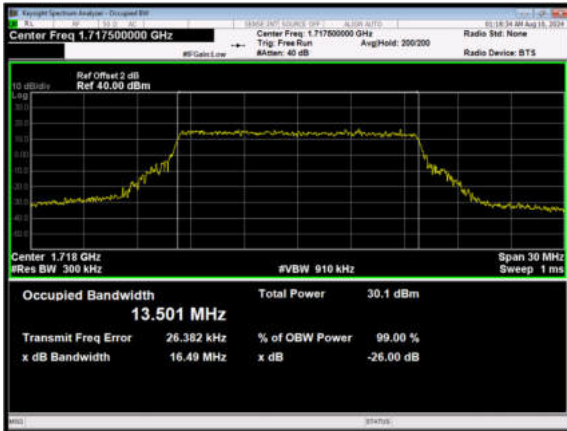
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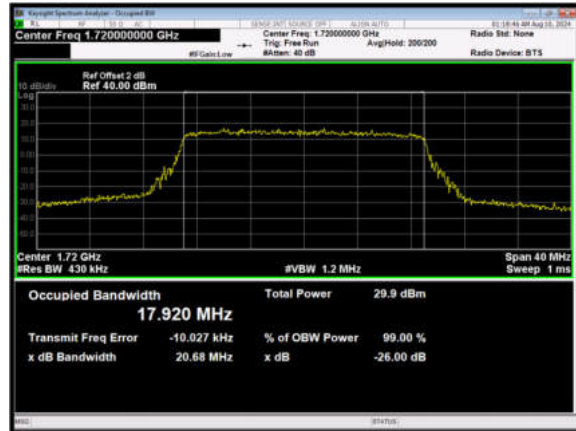
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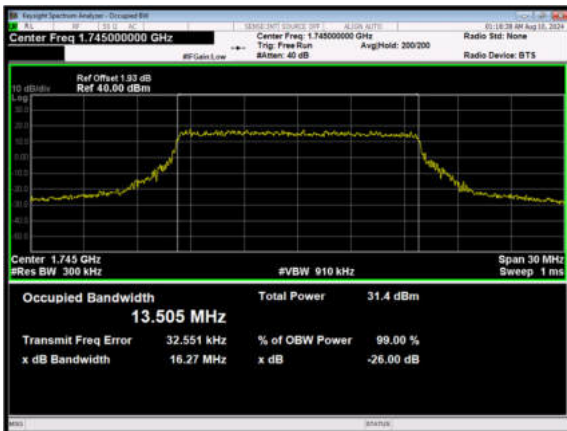
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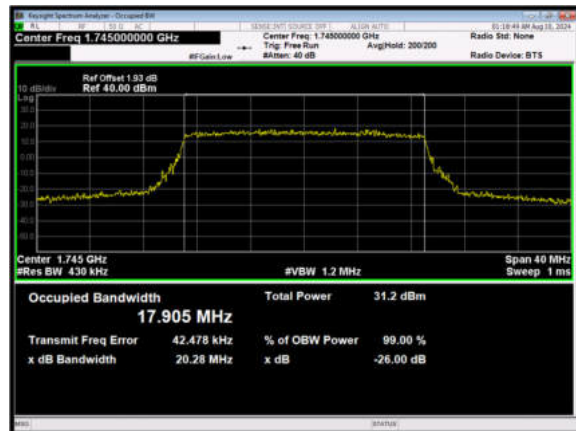
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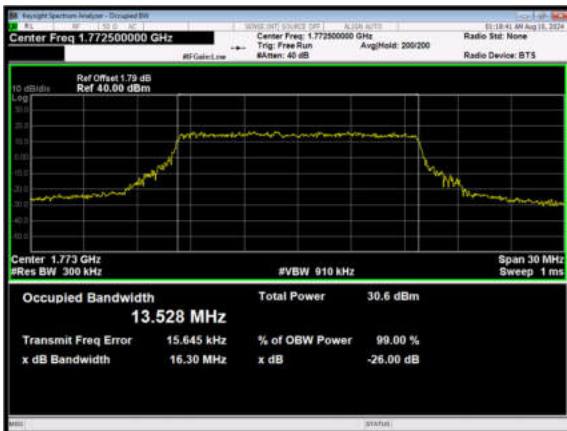
LTE Band 66 QPSK 15MHz CH-Middle



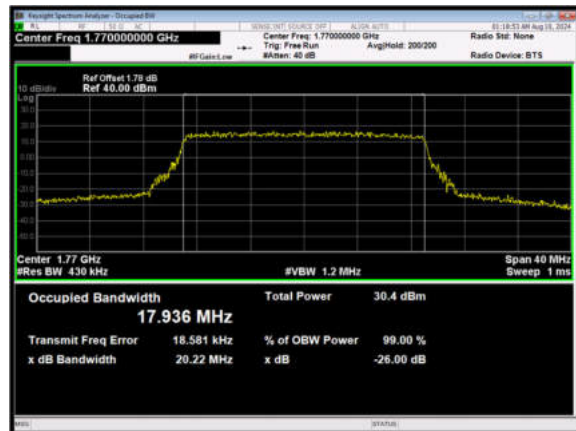
LTE Band 66 QPSK 20MHz CH-Middle



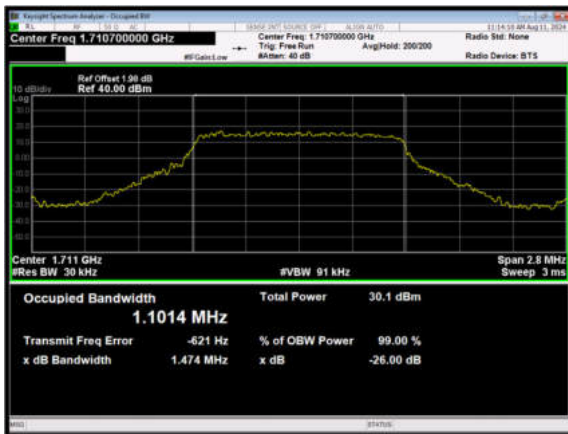
LTE Band 66 QPSK 15MHz CH-High



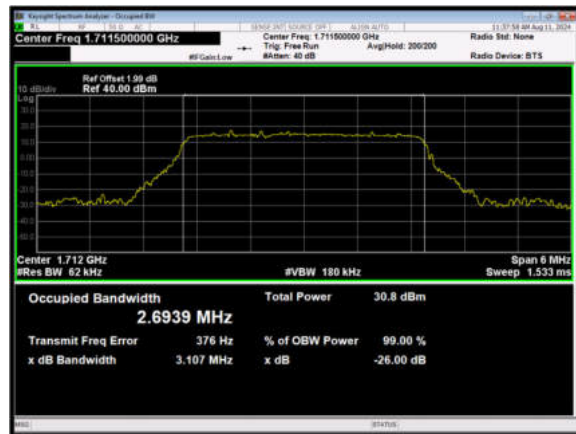
LTE Band 66 QPSK 20MHz CH-High



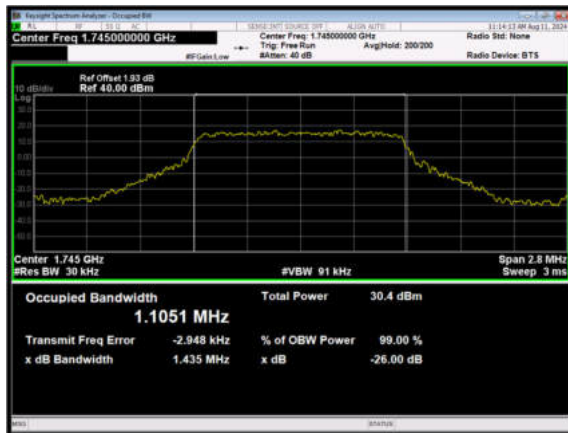
LTE Band 66 16QAM 1.4MHz CH-Low



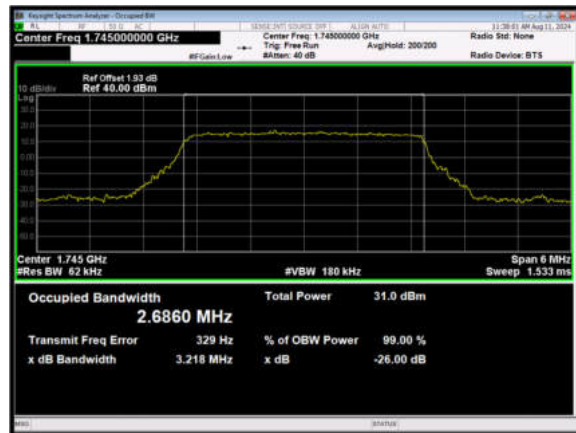
LTE Band 66 16QAM 3MHz CH-Low



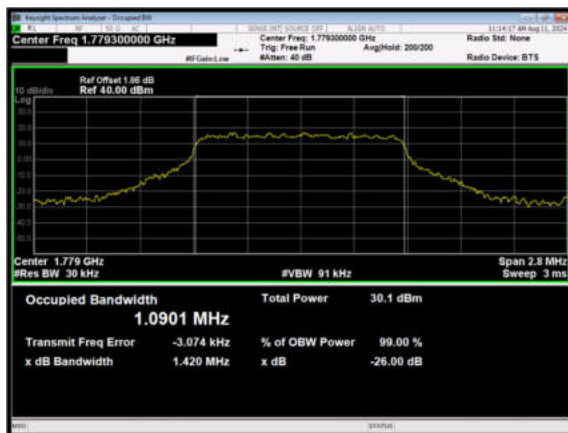
LTE Band 66 16QAM 1.4MHz CH-Middle



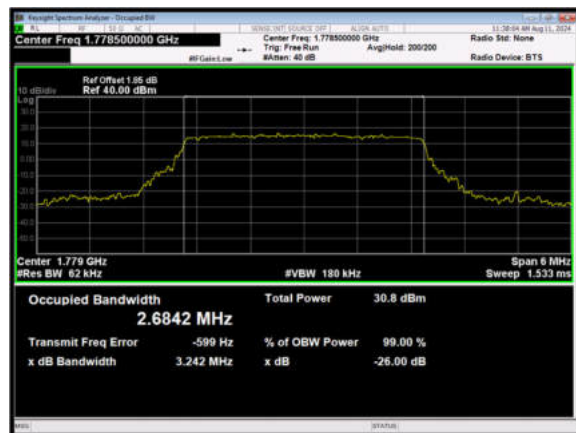
LTE Band 66 16QAM 3MHz CH-Middle



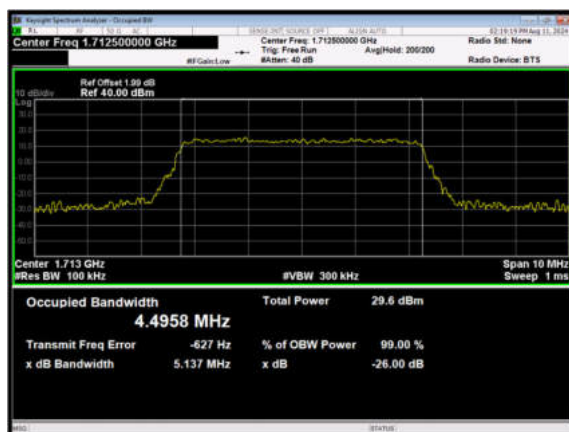
LTE Band 66 16QAM 1.4MHz CH-High



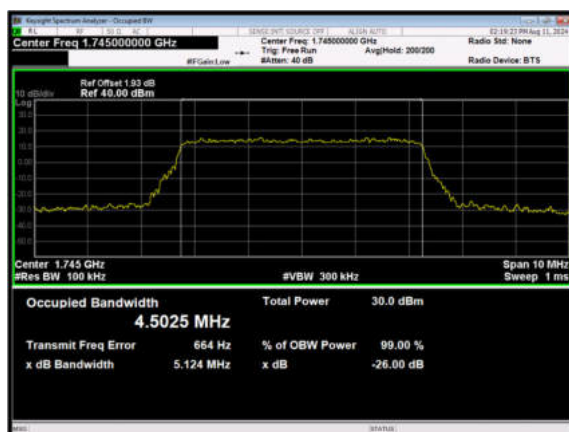
LTE Band 66 16QAM 3MHz CH-High



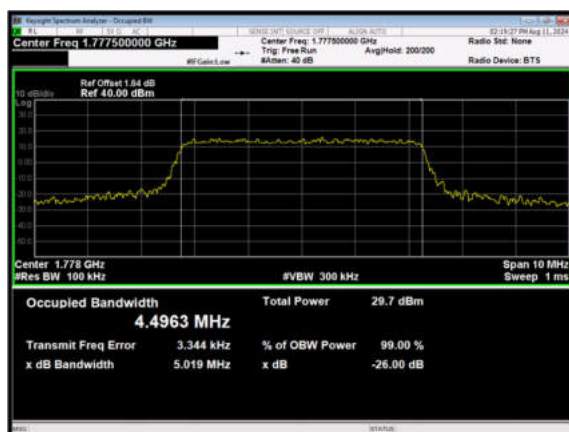
LTE Band 66 16QAM 5MHz CH-Low



LTE Band 66 16QAM 5MHz CH-Middle

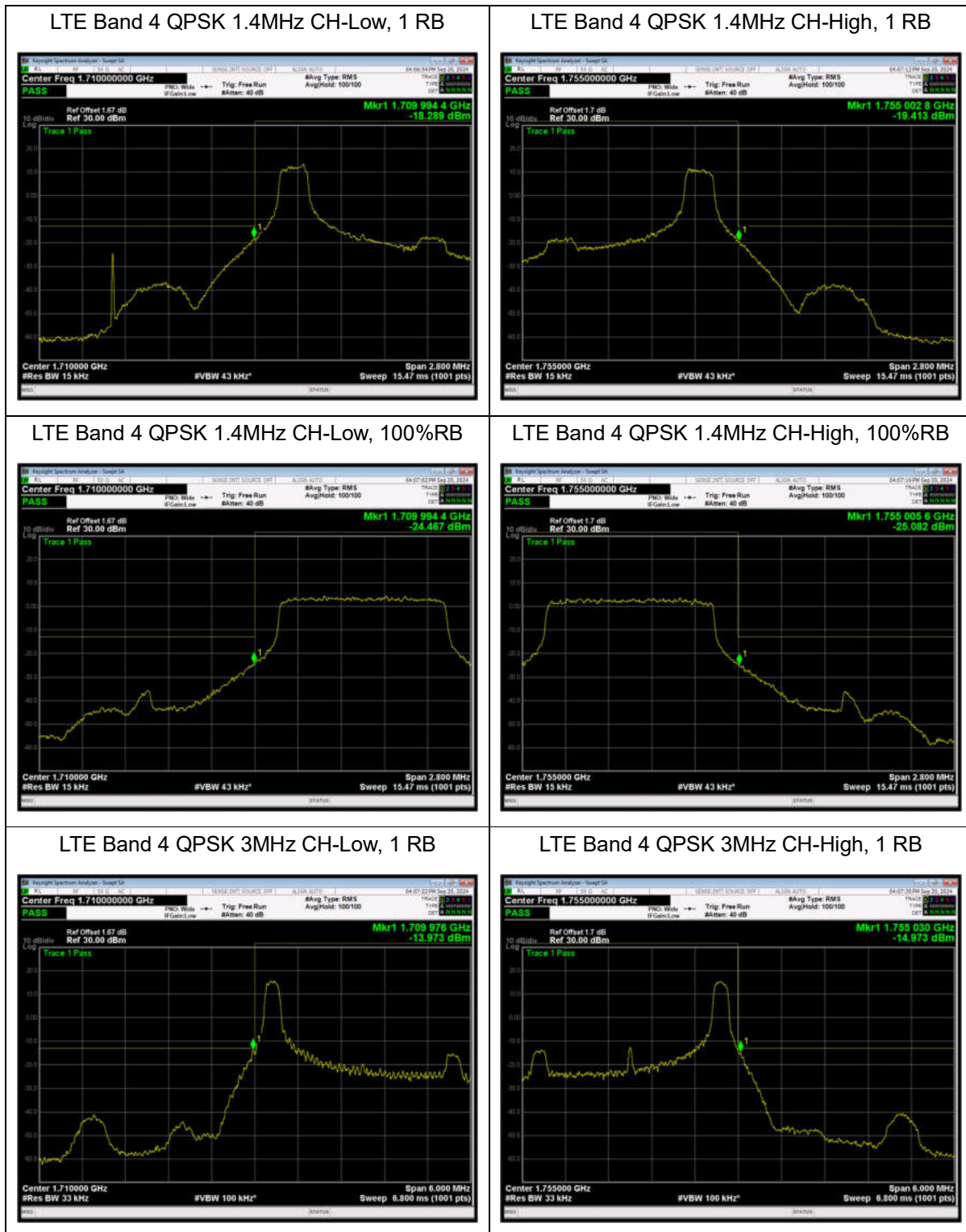


LTE Band 66 16QAM 5MHz CH-High



6.3 Band Edge Compliance

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



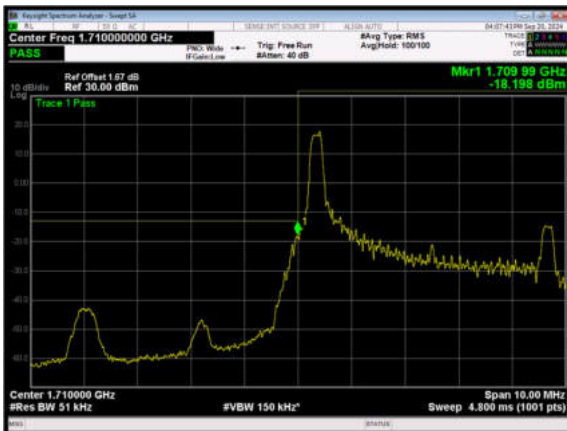
LTE Band 4 QPSK 3MHz CH-Low, 100%RB



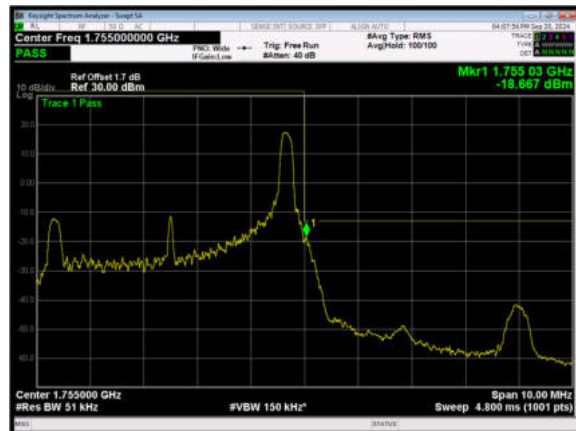
LTE Band 4 QPSK 3MHz CH-High, 100%RB



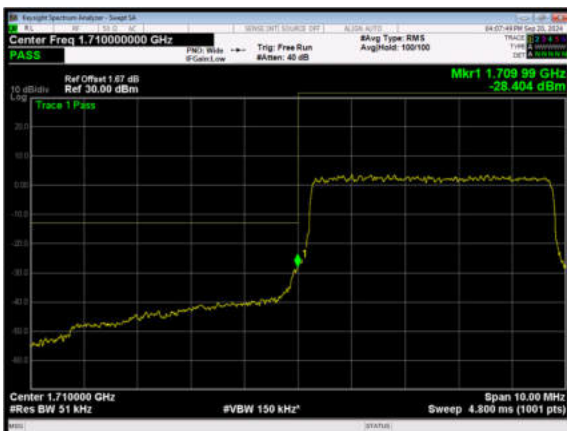
LTE Band 4 QPSK 5MHz CH-Low, 1 RB



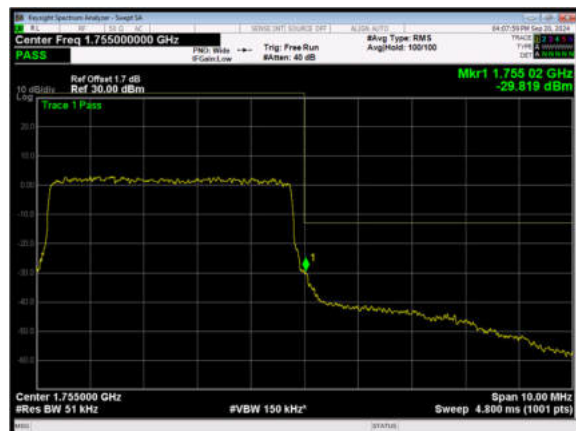
LTE Band 4 QPSK 5MHz CH-High, 1 RB



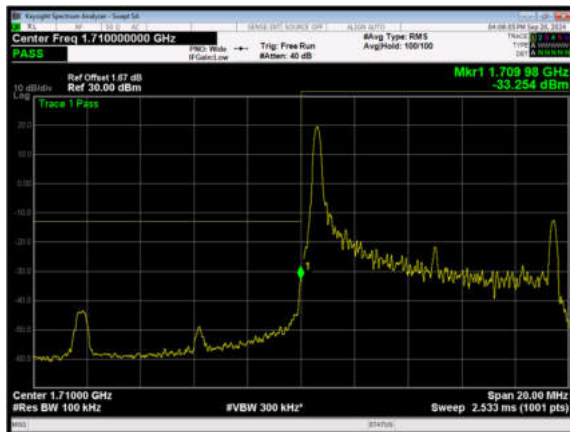
LTE Band 4 QPSK 5MHz CH-Low, 100%RB



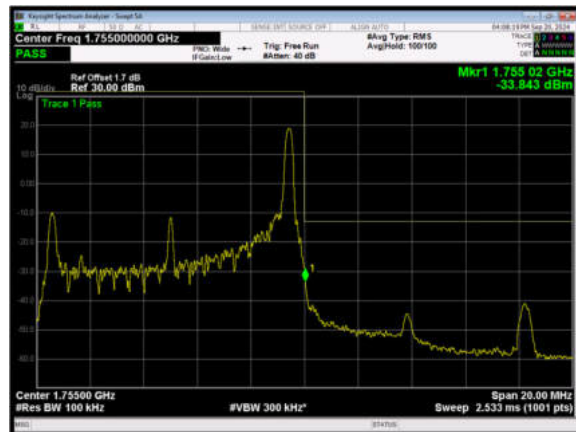
LTE Band 4 QPSK 5MHz CH-High, 100%RB



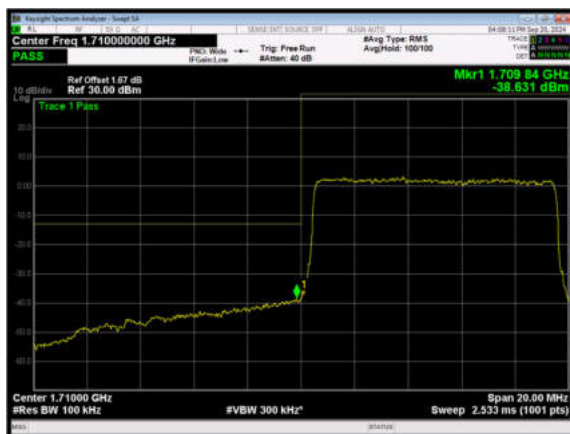
LTE Band 4 QPSK 10MHz CH-Low, 1 RB



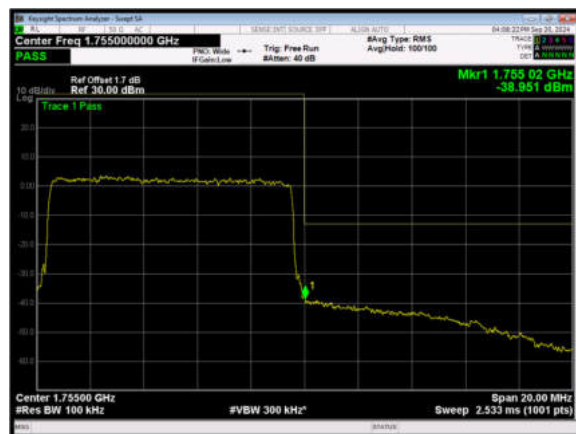
LTE Band 4 QPSK 10MHz CH-High, 1 RB



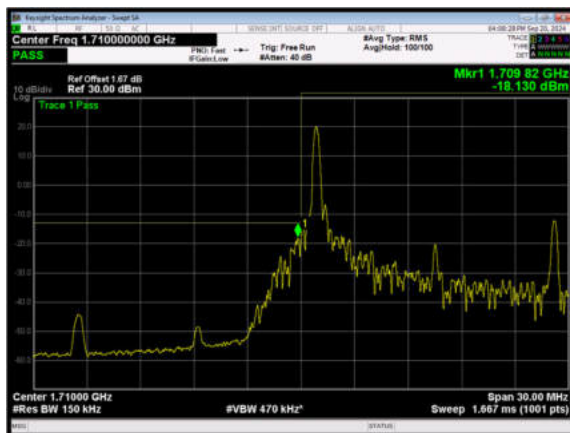
LTE Band 4 QPSK 10MHz CH-Low, 100%RB



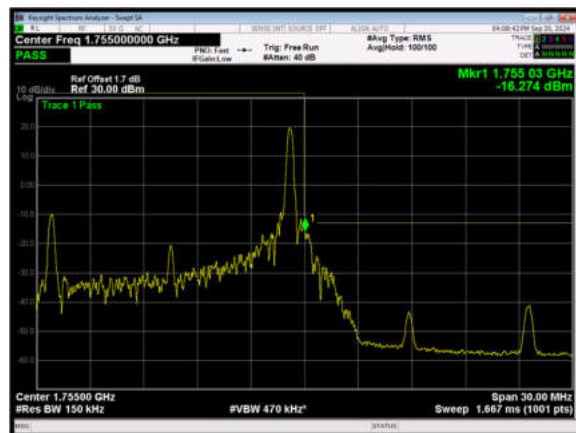
LTE Band 4 QPSK 10MHz CH-High, 100%RB



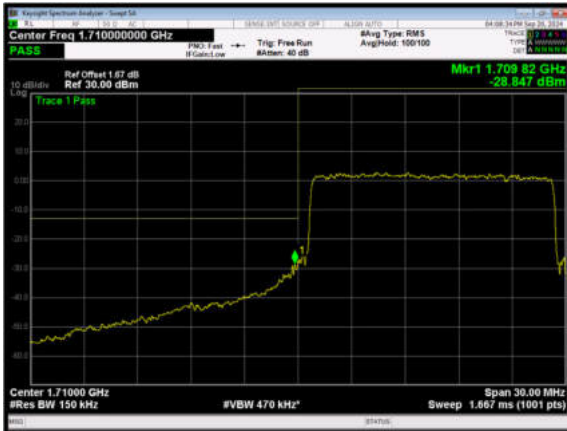
LTE Band 4 QPSK 15MHz CH-Low, 1 RB



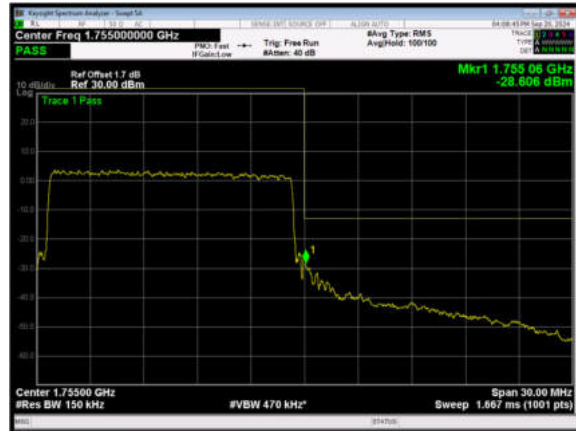
LTE Band 4 QPSK 15MHz CH-High, 1 RB



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



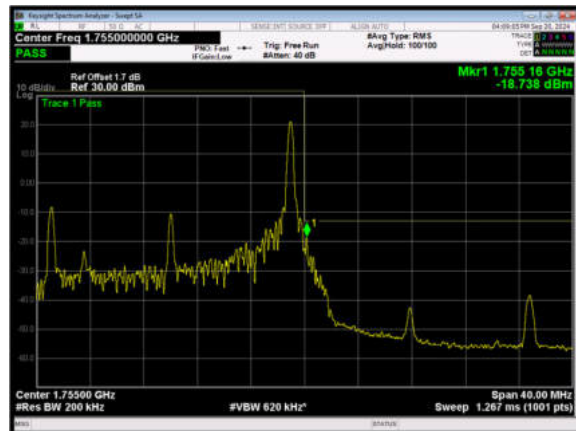
LTE Band 4 QPSK 15MHz CH-High, 100%RB



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



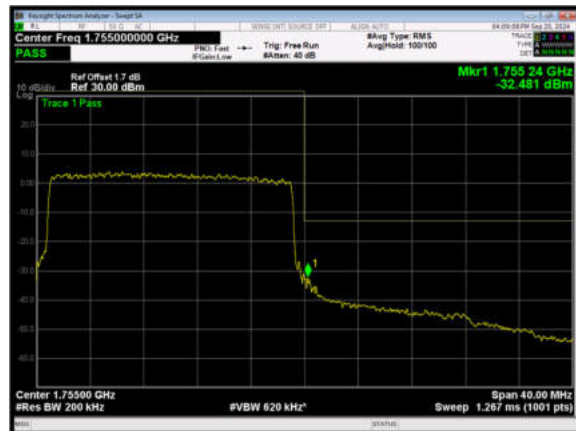
LTE Band 4 QPSK 20MHz CH-High, 1 RB



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



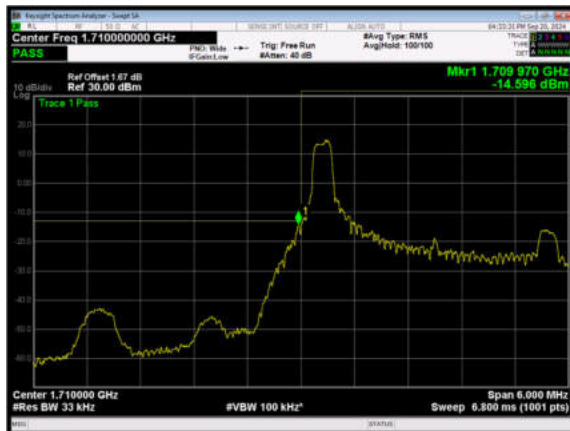
LTE Band 4 16QAM 1.4MHz CH-Low, 100%RB



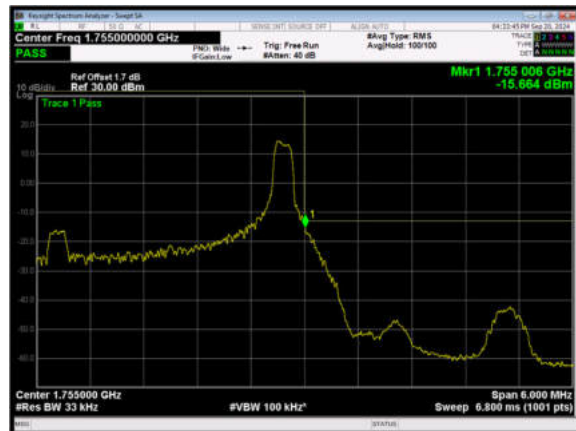
LTE Band 4 16QAM 1.4MHz CH-High, 100%RB



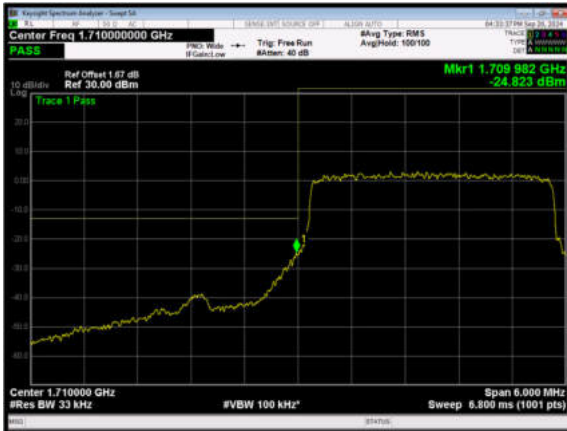
LTE Band 4 16QAM 3MHz CH-Low, 1 RB



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



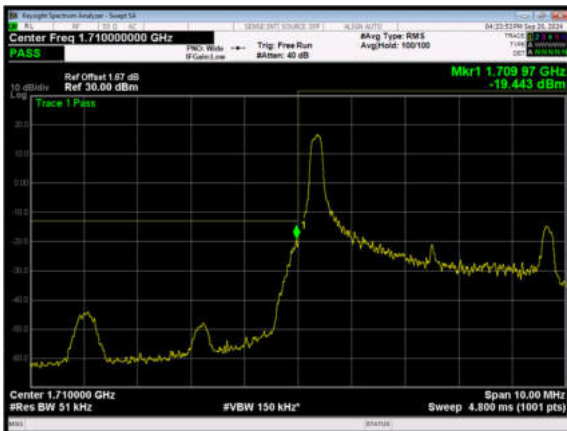
LTE Band 4 16QAM 3MHz CH-Low, 100%RB



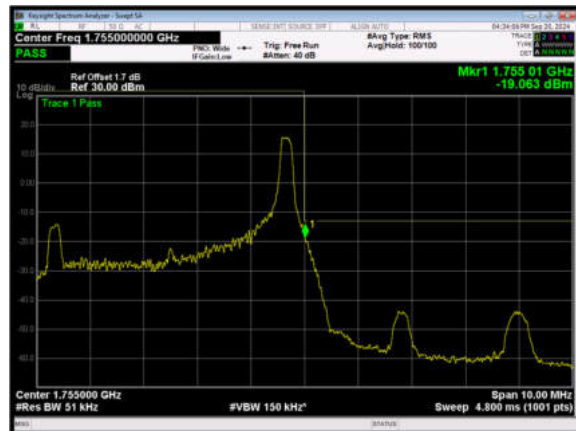
LTE Band 4 16QAM 3MHz CH-High, 100%RB



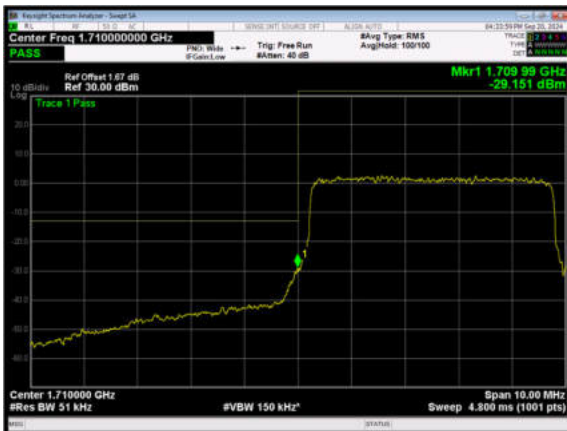
LTE Band 4 16QAM 5MHz CH-Low, 1 RB



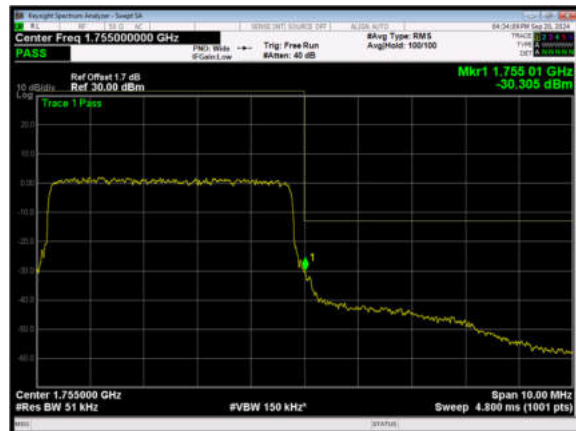
LTE Band 4 16QAM 5MHz CH-High, 1 RB



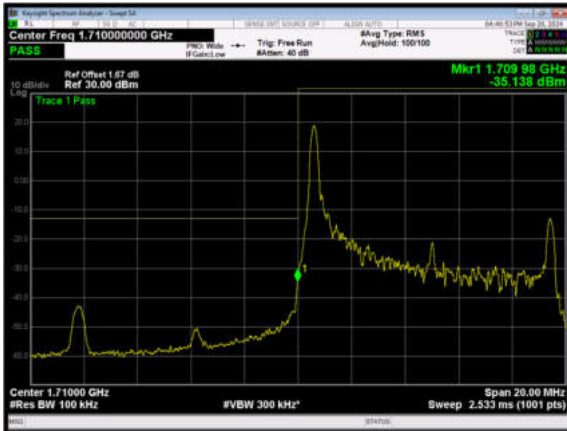
LTE Band 4 16QAM 5MHz CH-Low, 100%RB



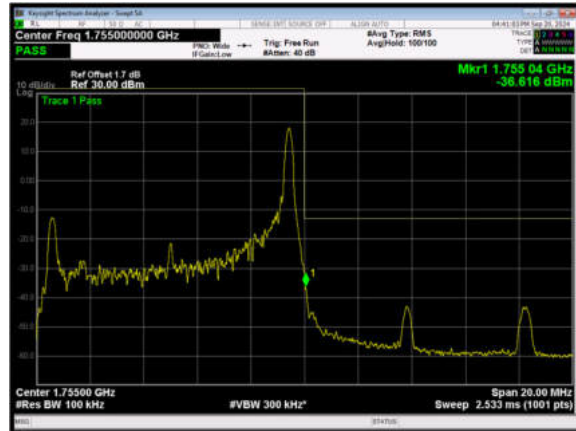
LTE Band 4 16QAM 5MHz CH-High, 100%RB



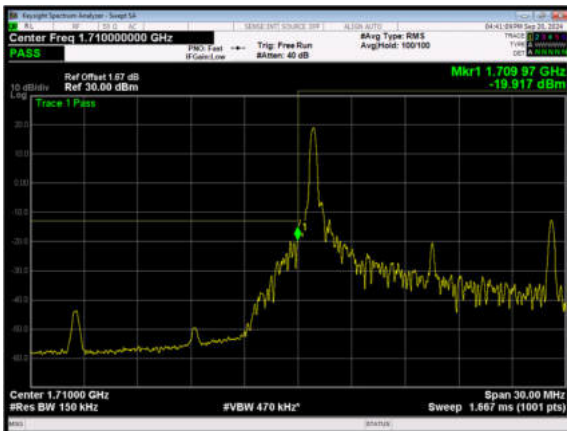
LTE Band 4 16QAM 10MHz CH-Low, 1 RB



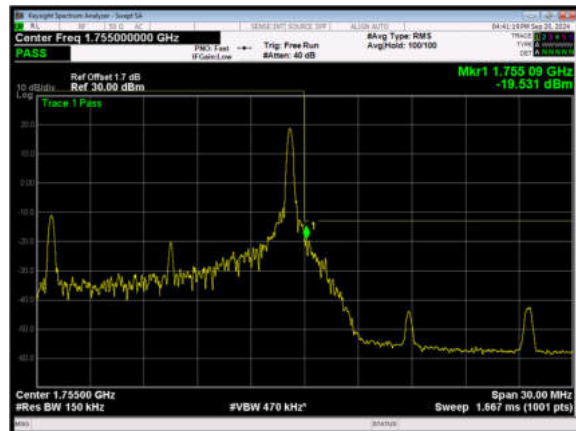
LTE Band 4 16QAM 10MHz CH-High, 1 RB



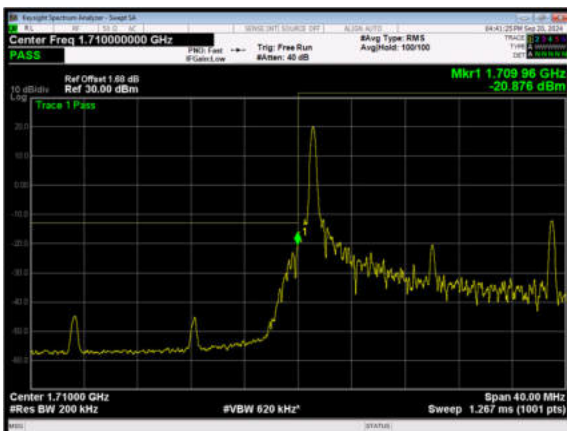
LTE Band 4 16QAM 15MHz CH-Low, 1 RB



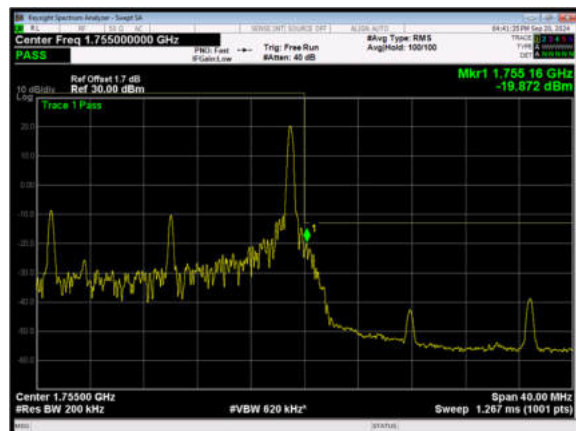
LTE Band 4 16QAM 15MHz CH-High, 1 RB



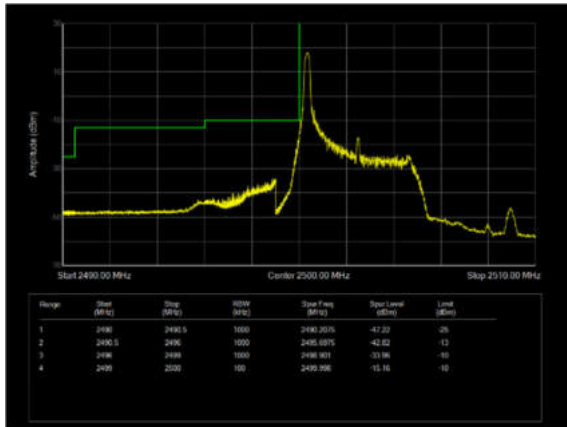
LTE Band 4 16QAM 20MHz CH-Low, 1 RB



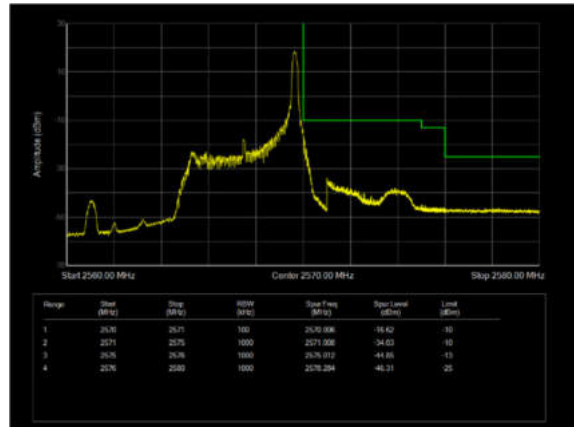
LTE Band 4 16QAM 20MHz CH-High, 1 RB



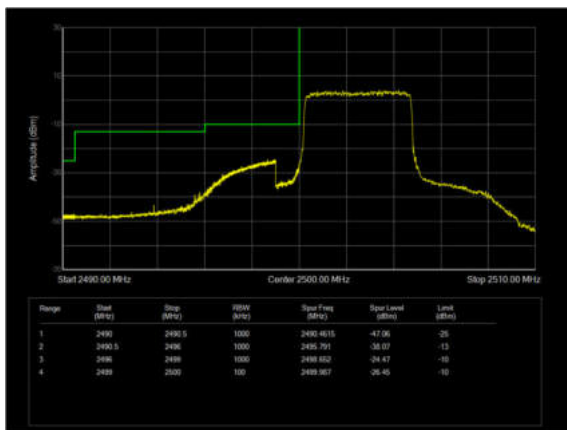
LTE Band 7 QPSK 5MHz CH-Low, 1 RB



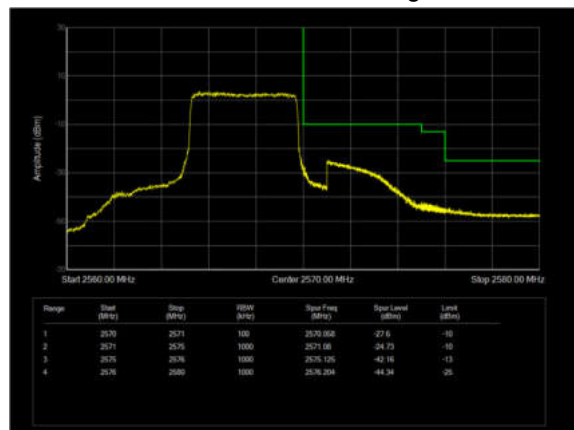
LTE Band 7 QPSK 5MHz CH-High, 1 RB



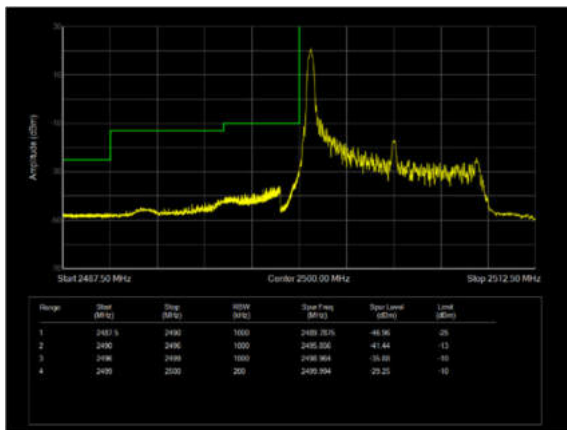
LTE Band 7 QPSK 5MHz CH-Low, 100%RB



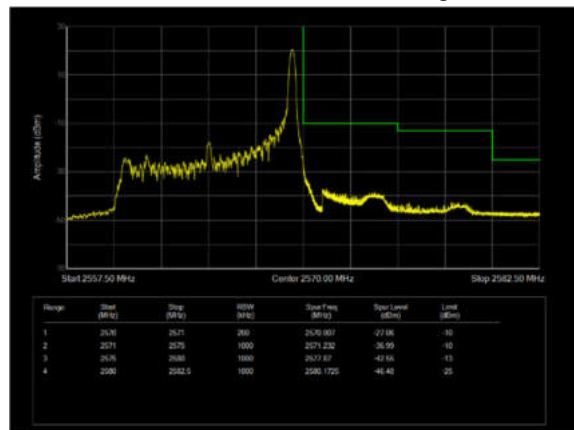
LTE Band 7 QPSK 5MHz CH-High, 100%RB



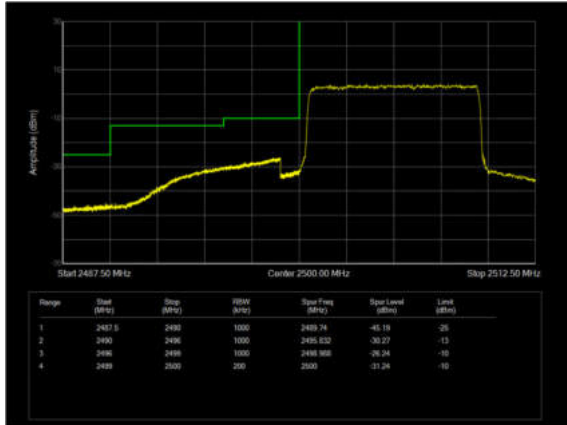
LTE Band 7 QPSK 10MHz CH-Low, 1 RB



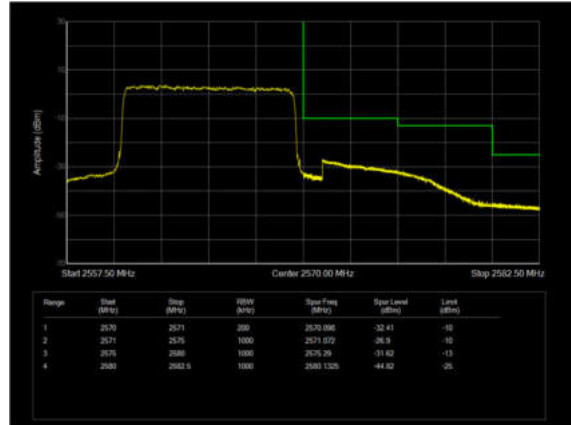
LTE Band 7 QPSK 10MHz CH-High, 1 RB



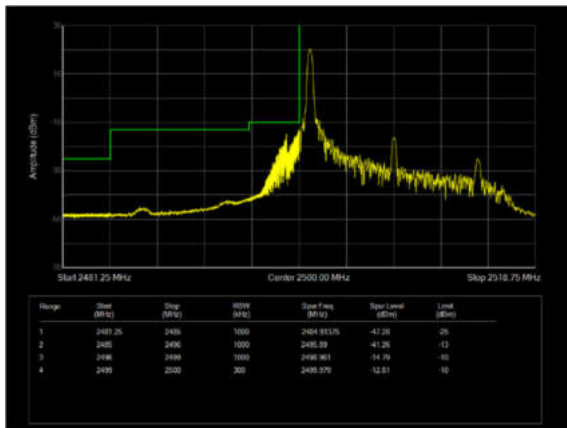
LTE Band 7 QPSK 10MHz CH-Low, 100%RB



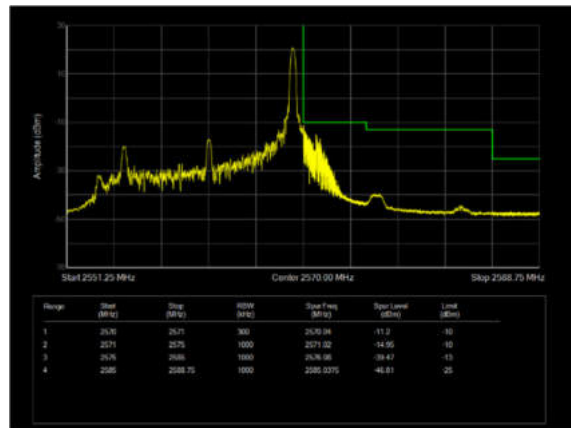
LTE Band 7 QPSK 10MHz CH-High, 100%RB



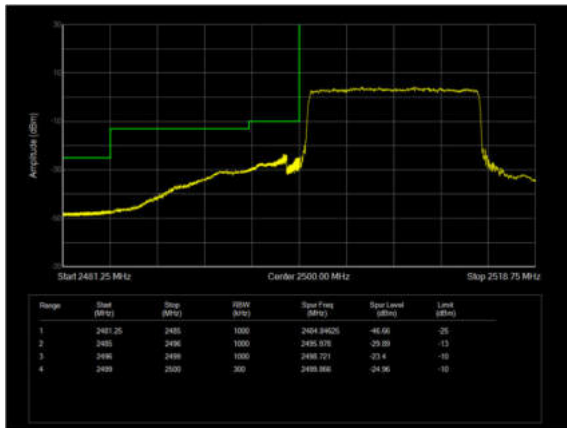
LTE Band 7 QPSK 15MHz CH-Low, 1 RB



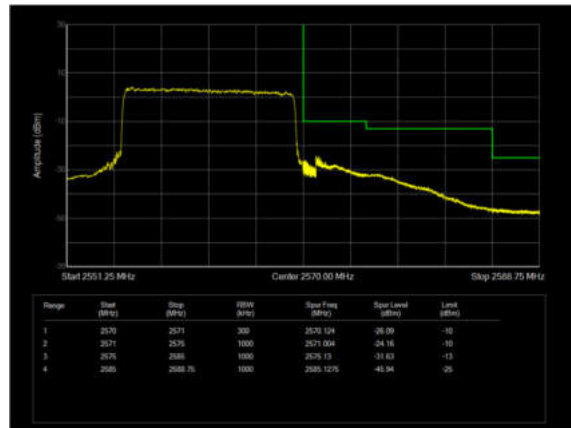
LTE Band 7 QPSK 15MHz CH-High, 1 RB



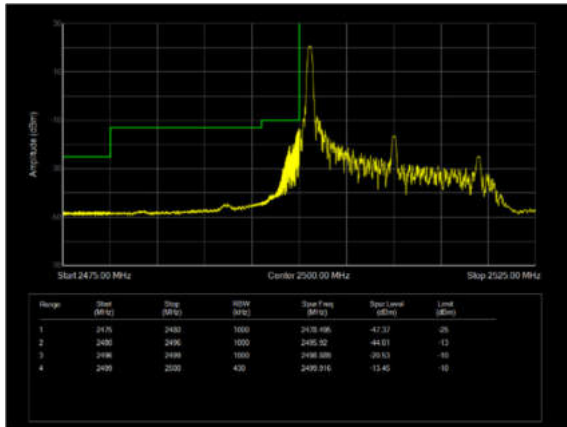
LTE Band 7 QPSK 15MHz CH-Low, 100%RB



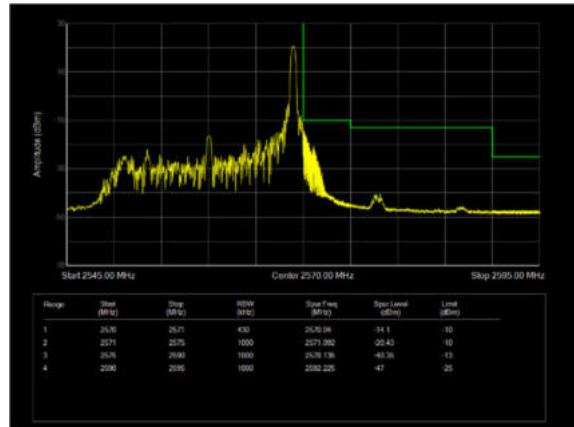
LTE Band 7 QPSK 15MHz CH-High, 100%RB



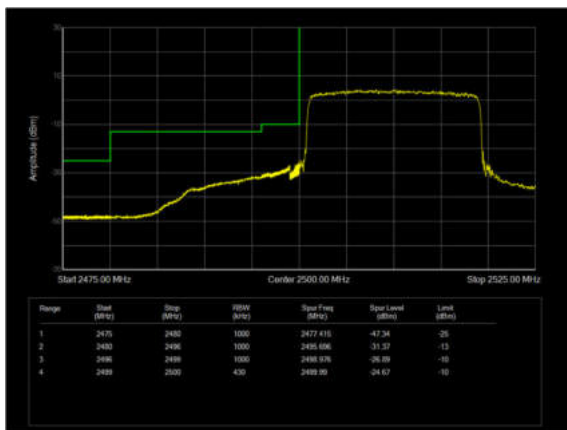
LTE Band 7 QPSK 20MHz CH-Low, 1 RB



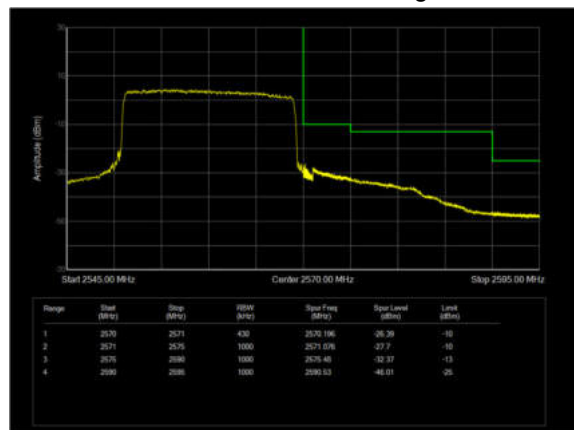
LTE Band 7 QPSK 20MHz CH-High, 1 RB



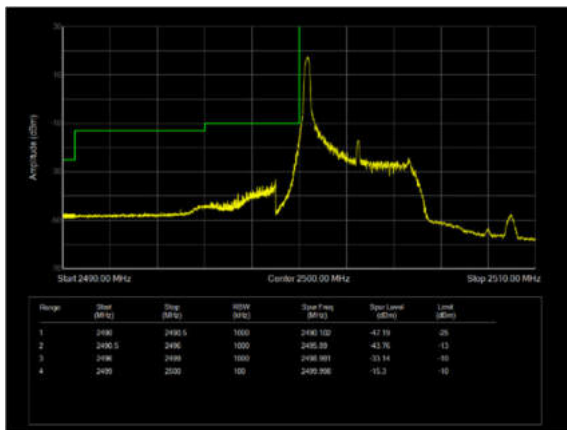
LTE Band 7 QPSK 20MHz CH-Low, 100%RB



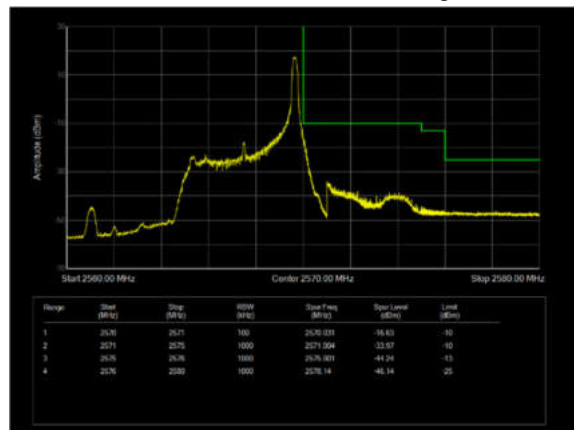
LTE Band 7 QPSK 20MHz CH-High, 100%RB



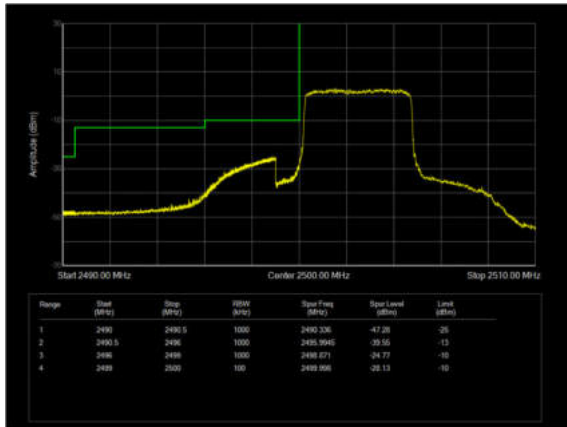
LTE Band 7 16QAM 5MHz CH-Low, 1 RB



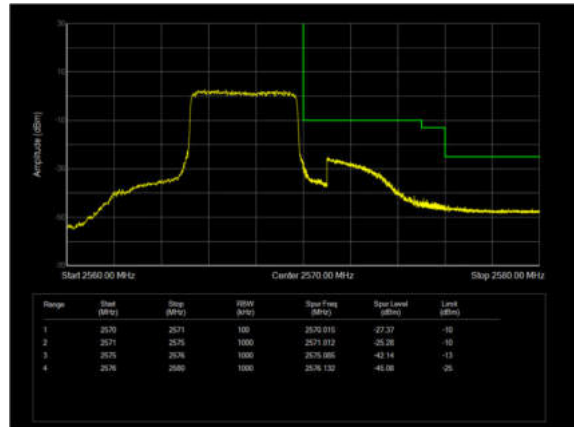
LTE Band 7 16QAM 5MHz CH-High, 1 RB



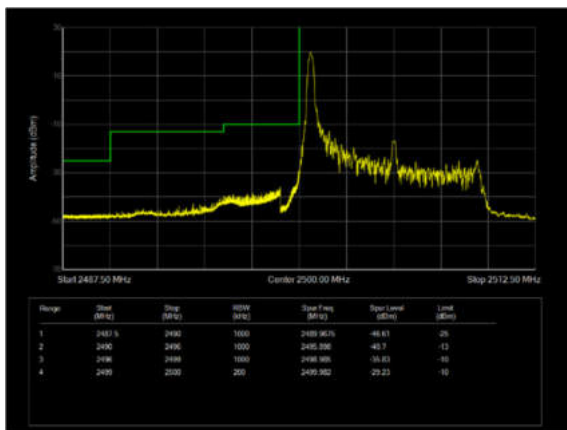
LTE Band 7 16QAM 5MHz CH-Low, 100%RB



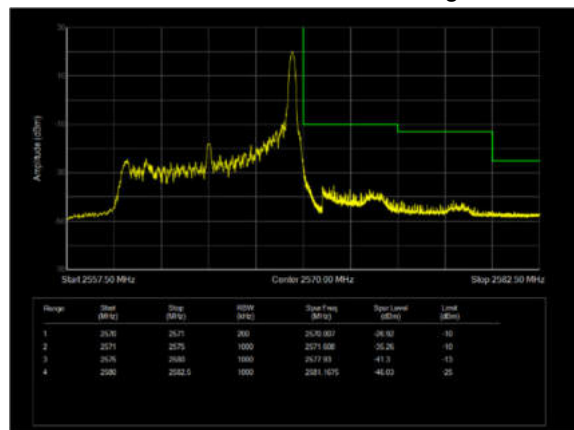
LTE Band 7 16QAM 5MHz CH-High, 100%RB



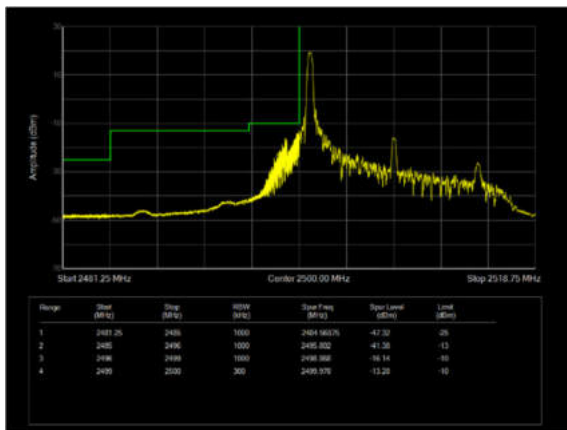
LTE Band 7 16QAM 10MHz CH-Low, 1 RB



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



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



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

