



RF TEST REPORT

Applicant	ZTE Corporation
FCC ID	SRQ-MC7010
Product	5G Wireless Router
Model	MC7010
Report No.	R2109A0824-R1V1
Issue Date	September 29, 2021

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2020)/ FCC CFR47 Part 27C (2020)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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Version	Revision description	Issue Date
Rev.0	Initial issue of report.	September 27, 2021
Rev.1	Update data in Page 15 ~ Page 16.	September 29, 2021

Note: This revised report (Report No. R2109A0824-R1V1) supersedes and replaces the previously issued report (Report No. R2109A0824-R1). Please discard or destroy the previously issued report and dispose of it accordingly.

**Summary of Measurement Results**

Number	Test Case	Clause in FCC rules	Verdict
1	RF Power Output and Effective Isotropic Radiated Power	2.1046/27.50(h)(2)	PASS
2	Occupied Bandwidth	2.1049	PASS
3	Band Edge Compliance	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(m)	PASS
7	Radiates Spurious Emission	2.1053 /27.53(m)	PASS

Date of Testing: September 8, 2021~ September 24, 2021

Date of Sample Received: September 8, 2021

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

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

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



1 Test Laboratory

1.1 Notes of the Test Report

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

1.2. Test facility

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

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

A2LA (Certificate Number: 3857.01)

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

1.3 Testing Location

Company: TA Technology (Shanghai) Co., Ltd.
Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China
City: Shanghai
Post code: 201201
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Website: <http://www.ta-shanghai.com>
E-mail: xukai@ta-shanghai.com

2 General Description of Equipment under Test

2.1 Applicant and Manufacturer Information

Applicant	ZTE Corporation
Applicant address	ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China
Manufacturer	ZTE Corporation
Manufacturer address	ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

2.2 General information

EUT Description			
Model	MC7010		
IMEI	864155040409697		
Hardware Version	MC7010HW-1.0.0		
Software Version	BD_ITVDFMC7010V1.0.0B02		
Power Supply	POE		
Antenna Type	Internal Antenna		
Antenna Gain	LTE Band 7:	2dBi	
	NR n7	2dBi	
Test Mode(s)	LTE Band 7; NR n7;		
Test Modulation	(LTE)QPSK, 16QAM, 64QAM; (NR) QPSK, 16QAM, 64QAM; 256QAM		
LTE Category	11		
Maximum E.I.R.P.	LTE Band 7:	25.51dBm	
	NR n7	25.07dBm	
Rated Power Supply Voltage	48V		
Operating Voltage	Minimum: 44V Maximum: 57V		
Operating Temperature	Lowest: -30°C Highest: +55°C		
Extreme Temperature	Lowest: -30°C Highest: +50°C		
Operating Frequency Range(s)	Mode	Tx (MHz)	Rx (MHz)
	LTE Band 7	2500 ~ 2570	2620 ~ 2690
	NR n7	2500 ~ 2570	2620 ~ 2690
EUT Accessory			
POE	Manufacturer: SHANGHAI BIAOJUN EL ECTRONIC TECHNOLOGY CO., LTD Model: POE-A4803-Z		
Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.			



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 (2020)

ANSI C63.26 (2015)

Reference standard:

FCC CFR47 Part 2 (2020)

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, Y axis, horizontal 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/ NR 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 7:

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



Test modes are chosen to be reported as the worst case configuration below for NR n7:

Test items	Mode	Bandwidth (MHz)				Modulation					RB			Test Channel		
		5	10	15	20	PI/2 BPSK	QPSK	16QAM	64QAM	256 QAM	1	50%	100 %	L	M	H
RF Power Output and Effective Isotropic Radiated Power	NR n7	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Occupied Bandwidth	NR n7	O	O	O	O	O	O	O	O	O	O	-	O	O	O	O
Band Edge Compliance	NR n7	O	O	O	O	O	O	O	O	O	O	-	O	O	-	O
Peak-to-Average Power Ratio	NR n7	-	-	-	O	O	O	O	O	O	-	-	O	O	O	O
Frequency Stability	NR n7	O	O	O	O	-	O	O	O	O	-	-	-	-	O	-
Spurious Emissions at Antenna Terminals	NR n7	O	O	O	O	O	O	O	O	O	-	-	-	O	O	O
Radiates Spurious Emission	NR n7	-	O	-	O	-	O	-	-	-	-	-	-	-	O	-
Note	<p>1. The mark "O" means that this configuration is chosen for testing.</p> <p>2. The mark "-" means that this configuration is not testing.</p> <p>3. Sub 6GHz operates using 15kHz Subcarrier Spacing with both CP-OFDM and DFT-s OFDM waveforms. The band supports PI/2 BPSK ,QPSK, 16QAM, 64QAM, and 256QAM modulation. The test data provided in this report represents the worst case configurations.</p>															

5 Test Case Results

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.

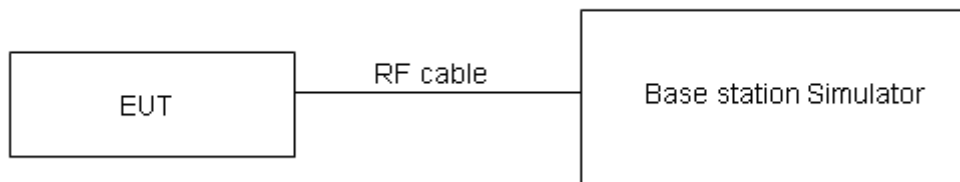
ERP can then be calculated as follows:

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

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

Part 27.50(h)(2) Limit	≤ 2 W (33 dBm)
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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

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)
LTE Band 7	5	20775	1	#0	QPSK	23.07	25.07
LTE Band 7	5	20775	1	#Mid	QPSK	23.08	25.08
LTE Band 7	5	20775	1	#Max	QPSK	23.06	25.06
LTE Band 7	5	20775	12	#0	QPSK	22.15	24.15
LTE Band 7	5	20775	12	#Mid	QPSK	22.17	24.17
LTE Band 7	5	20775	12	#Max	QPSK	22.15	24.15
LTE Band 7	5	20775	25	#0	QPSK	22.16	24.16
LTE Band 7	5	20775	1	#0	QAM16	22.36	24.36
LTE Band 7	5	20775	1	#Mid	QAM16	22.43	24.43
LTE Band 7	5	20775	1	#Max	QAM16	22.42	24.42
LTE Band 7	5	20775	12	#0	QAM16	21.18	23.18
LTE Band 7	5	20775	12	#Mid	QAM16	21.19	23.19
LTE Band 7	5	20775	12	#Max	QAM16	21.18	23.18
LTE Band 7	5	20775	25	#0	QAM16	21.19	23.19
LTE Band 7	5	21100	1	#0	QPSK	23.33	25.33
LTE Band 7	5	21100	1	#Mid	QPSK	23.42	25.42
LTE Band 7	5	21100	1	#Max	QPSK	23.37	25.37
LTE Band 7	5	21100	12	#0	QPSK	22.44	24.44
LTE Band 7	5	21100	12	#Mid	QPSK	22.44	24.44
LTE Band 7	5	21100	12	#Max	QPSK	22.46	24.46
LTE Band 7	5	21100	25	#0	QPSK	22.43	24.43
LTE Band 7	5	21100	1	#0	QAM16	22.57	24.57
LTE Band 7	5	21100	1	#Mid	QAM16	22.61	24.61
LTE Band 7	5	21100	1	#Max	QAM16	22.68	24.68
LTE Band 7	5	21100	12	#0	QAM16	21.42	23.42
LTE Band 7	5	21100	12	#Mid	QAM16	21.43	23.43
LTE Band 7	5	21100	12	#Max	QAM16	21.45	23.45
LTE Band 7	5	21100	25	#0	QAM16	21.40	23.40
LTE Band 7	5	21425	1	#0	QPSK	22.98	24.98
LTE Band 7	5	21425	1	#Mid	QPSK	22.90	24.90
LTE Band 7	5	21425	1	#Max	QPSK	22.89	24.89
LTE Band 7	5	21425	12	#0	QPSK	22.23	24.23
LTE Band 7	5	21425	12	#Mid	QPSK	22.23	24.23
LTE Band 7	5	21425	12	#Max	QPSK	22.27	24.27
LTE Band 7	5	21425	25	#0	QPSK	22.33	24.33
LTE Band 7	5	21425	1	#0	QAM16	22.49	24.49
LTE Band 7	5	21425	1	#Mid	QAM16	22.51	24.51
LTE Band 7	5	21425	1	#Max	QAM16	22.44	24.44
LTE Band 7	5	21425	12	#0	QAM16	21.36	23.36



LTE Band 7	5	21425	12	#Mid	QAM16	21.36	23.36
LTE Band 7	5	21425	12	#Max	QAM16	21.40	23.40
LTE Band 7	5	21425	25	#0	QAM16	21.34	23.34
LTE Band 7	10	20800	1	#0	QPSK	22.94	24.94
LTE Band 7	10	20800	1	#Mid	QPSK	22.86	24.86
LTE Band 7	10	20800	1	#Max	QPSK	22.92	24.92
LTE Band 7	10	20800	25	#0	QPSK	22.16	24.16
LTE Band 7	10	20800	25	#Mid	QPSK	22.16	24.16
LTE Band 7	10	20800	25	#Max	QPSK	22.21	24.21
LTE Band 7	10	20800	50	#0	QPSK	22.21	24.21
LTE Band 7	10	20800	1	#0	QAM16	22.45	24.45
LTE Band 7	10	20800	1	#Mid	QAM16	22.35	24.35
LTE Band 7	10	20800	1	#Max	QAM16	22.42	24.42
LTE Band 7	10	20800	25	#0	QAM16	21.28	23.28
LTE Band 7	10	20800	25	#Mid	QAM16	21.22	23.22
LTE Band 7	10	20800	25	#Max	QAM16	21.24	23.24
LTE Band 7	10	20800	50	#0	QAM16	21.18	23.18
LTE Band 7	10	21100	1	#0	QPSK	23.22	25.22
LTE Band 7	10	21100	1	#Mid	QPSK	23.25	25.25
LTE Band 7	10	21100	1	#Max	QPSK	23.25	25.25
LTE Band 7	10	21100	25	#0	QPSK	22.41	24.41
LTE Band 7	10	21100	25	#Mid	QPSK	22.42	24.42
LTE Band 7	10	21100	25	#Max	QPSK	22.50	24.50
LTE Band 7	10	21100	50	#0	QPSK	22.42	24.42
LTE Band 7	10	21100	1	#0	QAM16	22.53	24.53
LTE Band 7	10	21100	1	#Mid	QAM16	22.60	24.60
LTE Band 7	10	21100	1	#Max	QAM16	22.64	24.64
LTE Band 7	10	21100	25	#0	QAM16	21.42	23.42
LTE Band 7	10	21100	25	#Mid	QAM16	21.44	23.44
LTE Band 7	10	21100	25	#Max	QAM16	21.54	23.54
LTE Band 7	10	21100	50	#0	QAM16	21.41	23.41
LTE Band 7	10	21400	1	#0	QPSK	23.15	25.15
LTE Band 7	10	21400	1	#Mid	QPSK	23.08	25.08
LTE Band 7	10	21400	1	#Max	QPSK	23.14	25.14
LTE Band 7	10	21400	25	#0	QPSK	22.22	24.22
LTE Band 7	10	21400	25	#Mid	QPSK	22.25	24.25
LTE Band 7	10	21400	25	#Max	QPSK	22.30	24.30
LTE Band 7	10	21400	50	#0	QPSK	22.27	24.27
LTE Band 7	10	21400	1	#0	QAM16	22.14	24.14
LTE Band 7	10	21400	1	#Mid	QAM16	22.04	24.04
LTE Band 7	10	21400	1	#Max	QAM16	22.12	24.12
LTE Band 7	10	21400	25	#0	QAM16	21.28	23.28
LTE Band 7	10	21400	25	#Mid	QAM16	21.23	23.23



LTE Band 7	10	21400	25	#Max	QAM16	21.37	23.37
LTE Band 7	10	21400	50	#0	QAM16	21.27	23.27
LTE Band 7	15	20825	1	#0	QPSK	22.96	24.96
LTE Band 7	15	20825	1	#Mid	QPSK	22.97	24.97
LTE Band 7	15	20825	1	#Max	QPSK	23.16	25.16
LTE Band 7	15	20825	36	#0	QPSK	22.07	24.07
LTE Band 7	15	20825	36	#Mid	QPSK	22.09	24.09
LTE Band 7	15	20825	36	#Max	QPSK	22.21	24.21
LTE Band 7	15	20825	75	#0	QPSK	22.19	24.19
LTE Band 7	15	20825	1	#0	QAM16	22.47	24.47
LTE Band 7	15	20825	1	#Mid	QAM16	22.41	24.41
LTE Band 7	15	20825	1	#Max	QAM16	22.63	24.63
LTE Band 7	15	20825	36	#0	QAM16	21.14	23.14
LTE Band 7	15	20825	36	#Mid	QAM16	21.14	23.14
LTE Band 7	15	20825	36	#Max	QAM16	21.26	23.26
LTE Band 7	15	20825	75	#0	QAM16	21.20	23.20
LTE Band 7	15	21100	1	#0	QPSK	23.27	25.27
LTE Band 7	15	21100	1	#Mid	QPSK	23.37	25.37
LTE Band 7	15	21100	1	#Max	QPSK	23.30	25.30
LTE Band 7	15	21100	36	#0	QPSK	22.40	24.40
LTE Band 7	15	21100	36	#Mid	QPSK	22.40	24.40
LTE Band 7	15	21100	36	#Max	QPSK	22.50	24.50
LTE Band 7	15	21100	75	#0	QPSK	22.42	24.42
LTE Band 7	15	21100	1	#0	QAM16	22.61	24.61
LTE Band 7	15	21100	1	#Mid	QAM16	22.67	24.67
LTE Band 7	15	21100	1	#Max	QAM16	22.71	24.71
LTE Band 7	15	21100	36	#0	QAM16	21.42	23.42
LTE Band 7	15	21100	36	#Mid	QAM16	21.42	23.42
LTE Band 7	15	21100	36	#Max	QAM16	21.52	23.52
LTE Band 7	15	21100	75	#0	QAM16	21.42	23.42
LTE Band 7	15	21375	1	#0	QPSK	23.33	25.33
LTE Band 7	15	21375	1	#Mid	QPSK	23.31	25.31
LTE Band 7	15	21375	1	#Max	QPSK	23.19	25.19
LTE Band 7	15	21375	36	#0	QPSK	22.28	24.28
LTE Band 7	15	21375	36	#Mid	QPSK	22.28	24.28
LTE Band 7	15	21375	36	#Max	QPSK	22.32	24.32
LTE Band 7	15	21375	75	#0	QPSK	22.30	24.30
LTE Band 7	15	21375	1	#0	QAM16	22.56	24.56
LTE Band 7	15	21375	1	#Mid	QAM16	22.52	24.52
LTE Band 7	15	21375	1	#Max	QAM16	22.50	24.50
LTE Band 7	15	21375	36	#0	QAM16	21.28	23.28
LTE Band 7	15	21375	36	#Mid	QAM16	21.27	23.27
LTE Band 7	15	21375	36	#Max	QAM16	21.35	23.35



LTE Band 7	15	21375	75	#0	QAM16	21.35	23.35
LTE Band 7	20	20850	1	#0	QPSK	23.22	25.22
LTE Band 7	20	20850	1	#Mid	QPSK	23.15	25.15
LTE Band 7	20	20850	1	#Max	QPSK	23.37	25.37
LTE Band 7	20	20850	50	#0	QPSK	22.13	24.13
LTE Band 7	20	20850	50	#Mid	QPSK	22.12	24.12
LTE Band 7	20	20850	50	#Max	QPSK	22.28	24.28
LTE Band 7	20	20850	100	#0	QPSK	22.29	24.29
LTE Band 7	20	20850	1	#0	QAM16	22.40	24.40
LTE Band 7	20	20850	1	#Mid	QAM16	22.56	24.56
LTE Band 7	20	20850	1	#Max	QAM16	22.72	24.72
LTE Band 7	20	20850	50	#0	QAM16	21.16	23.16
LTE Band 7	20	20850	50	#Mid	QAM16	21.17	23.17
LTE Band 7	20	20850	50	#Max	QAM16	21.32	23.32
LTE Band 7	20	20850	100	#0	QAM16	21.25	23.25
LTE Band 7	20	21100	1	#0	QPSK	23.40	25.40
LTE Band 7	20	21100	1	#Mid	QPSK	23.51	25.51
LTE Band 7	20	21100	1	#Max	QPSK	23.44	25.44
LTE Band 7	20	21100	50	#0	QPSK	22.42	24.42
LTE Band 7	20	21100	50	#Mid	QPSK	22.41	24.41
LTE Band 7	20	21100	50	#Max	QPSK	22.52	24.52
LTE Band 7	20	21100	100	#0	QPSK	22.44	24.44
LTE Band 7	20	21100	1	#0	QAM16	22.45	24.45
LTE Band 7	20	21100	1	#Mid	QAM16	22.50	24.50
LTE Band 7	20	21100	1	#Max	QAM16	22.46	24.46
LTE Band 7	20	21100	50	#0	QAM16	21.41	23.41
LTE Band 7	20	21100	50	#Mid	QAM16	21.41	23.41
LTE Band 7	20	21100	50	#Max	QAM16	21.49	23.49
LTE Band 7	20	21100	100	#0	QAM16	21.44	23.44
LTE Band 7	20	21350	1	#0	QPSK	23.27	25.27
LTE Band 7	20	21350	1	#Mid	QPSK	23.14	25.14
LTE Band 7	20	21350	1	#Max	QPSK	23.18	25.18
LTE Band 7	20	21350	50	#0	QPSK	22.32	24.32
LTE Band 7	20	21350	50	#Mid	QPSK	22.31	24.31
LTE Band 7	20	21350	50	#Max	QPSK	22.34	24.34
LTE Band 7	20	21350	100	#0	QPSK	22.30	24.30
LTE Band 7	20	21350	1	#0	QAM16	22.30	24.30
LTE Band 7	20	21350	1	#Mid	QAM16	22.16	24.16
LTE Band 7	20	21350	1	#Max	QAM16	22.08	24.08
LTE Band 7	20	21350	50	#0	QAM16	21.32	23.32
LTE Band 7	20	21350	50	#Mid	QAM16	21.34	23.34
LTE Band 7	20	21350	50	#Max	QAM16	21.39	23.39
LTE Band 7	20	21350	100	#0	QAM16	21.29	23.29



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)
LTE Band7	5	20775	1	#0	QAM64	21.92	23.92
LTE Band7	5	20775	1	#Mid	QAM64	21.99	23.99
LTE Band7	5	20775	1	#Max	QAM64	21.96	23.96
LTE Band7	5	20775	12	#0	QAM64	20.77	22.77
LTE Band7	5	20775	12	#Mid	QAM64	20.78	22.78
LTE Band7	5	20775	12	#Max	QAM64	20.79	22.79
LTE Band7	5	20775	25	#0	QAM64	20.71	22.71
LTE Band7	5	21100	1	#0	QAM64	22.22	24.22
LTE Band7	5	21100	1	#Mid	QAM64	22.34	24.34
LTE Band7	5	21100	1	#Max	QAM64	22.30	24.30
LTE Band7	5	21100	12	#0	QAM64	21.02	23.02
LTE Band7	5	21100	12	#Mid	QAM64	21.02	23.02
LTE Band7	5	21100	12	#Max	QAM64	21.09	23.09
LTE Band7	5	21100	25	#0	QAM64	20.99	22.99
LTE Band7	5	21425	1	#0	QAM64	21.96	23.96
LTE Band7	5	21425	1	#Mid	QAM64	22.18	24.18
LTE Band7	5	21425	1	#Max	QAM64	22.20	24.20
LTE Band7	5	21425	12	#0	QAM64	20.92	22.92
LTE Band7	5	21425	12	#Mid	QAM64	20.91	22.91
LTE Band7	5	21425	12	#Max	QAM64	20.88	22.88
LTE Band7	5	21425	25	#0	QAM64	20.93	22.93
LTE Band7	10	20800	1	#0	QAM64	22.00	24.00
LTE Band7	10	20800	1	#Mid	QAM64	21.93	23.93
LTE Band7	10	20800	1	#Max	QAM64	22.00	24.00
LTE Band7	10	20800	25	#0	QAM64	20.80	22.80
LTE Band7	10	20800	25	#Mid	QAM64	20.81	22.81
LTE Band7	10	20800	25	#Max	QAM64	20.81	22.81
LTE Band7	10	20800	50	#0	QAM64	20.74	22.74
LTE Band7	10	21100	1	#0	QAM64	22.16	24.16
LTE Band7	10	21100	1	#Mid	QAM64	22.19	24.19
LTE Band7	10	21100	1	#Max	QAM64	22.19	24.19
LTE Band7	10	21100	25	#0	QAM64	21.02	23.02
LTE Band7	10	21100	25	#Mid	QAM64	21.01	23.01
LTE Band7	10	21100	25	#Max	QAM64	21.14	23.14
LTE Band7	10	21100	50	#0	QAM64	20.99	22.99
LTE Band7	10	21400	1	#0	QAM64	21.70	23.70
LTE Band7	10	21400	1	#Mid	QAM64	21.63	23.63
LTE Band7	10	21400	1	#Max	QAM64	21.71	23.71
LTE Band7	10	21400	25	#0	QAM64	20.83	22.83
LTE Band7	10	21400	25	#Mid	QAM64	20.84	22.84
LTE Band7	10	21400	25	#Max	QAM64	20.91	22.91



LTE Band7	10	21400	50	#0	QAM64	20.85	22.85
LTE Band7	15	20825	1	#0	QAM64	22.02	24.02
LTE Band7	15	20825	1	#Mid	QAM64	22.07	24.07
LTE Band7	15	20825	1	#Max	QAM64	22.16	24.16
LTE Band7	15	20825	36	#0	QAM64	20.69	22.69
LTE Band7	15	20825	36	#Mid	QAM64	20.69	22.69
LTE Band7	15	20825	36	#Max	QAM64	20.85	22.85
LTE Band7	15	20825	75	#0	QAM64	20.81	22.81
LTE Band7	15	21100	1	#0	QAM64	22.20	24.20
LTE Band7	15	21100	1	#Mid	QAM64	22.28	24.28
LTE Band7	15	21100	1	#Max	QAM64	22.24	24.24
LTE Band7	15	21100	36	#0	QAM64	20.99	22.99
LTE Band7	15	21100	36	#Mid	QAM64	21.02	23.02
LTE Band7	15	21100	36	#Max	QAM64	21.07	23.07
LTE Band7	15	21100	75	#0	QAM64	20.96	22.96
LTE Band7	15	21375	1	#0	QAM64	22.01	24.01
LTE Band7	15	21375	1	#Mid	QAM64	22.03	24.03
LTE Band7	15	21375	1	#Max	QAM64	22.14	24.14
LTE Band7	15	21375	36	#0	QAM64	20.85	22.85
LTE Band7	15	21375	36	#Mid	QAM64	20.86	22.86
LTE Band7	15	21375	36	#Max	QAM64	20.94	22.94
LTE Band7	15	21375	75	#0	QAM64	20.93	22.93
LTE Band7	20	20850	1	#0	QAM64	21.90	23.90
LTE Band7	20	20850	1	#Mid	QAM64	21.92	23.92
LTE Band7	20	20850	1	#Max	QAM64	22.14	24.14
LTE Band7	20	20850	50	#0	QAM64	20.75	22.75
LTE Band7	20	20850	50	#Mid	QAM64	20.75	22.75
LTE Band7	20	20850	50	#Max	QAM64	20.91	22.91
LTE Band7	20	20850	100	#0	QAM64	20.83	22.83
LTE Band7	20	21100	1	#0	QAM64	22.07	24.07
LTE Band7	20	21100	1	#Mid	QAM64	22.08	24.08
LTE Band7	20	21100	1	#Max	QAM64	22.04	24.04
LTE Band7	20	21100	50	#0	QAM64	21.01	23.01
LTE Band7	20	21100	50	#Mid	QAM64	21.03	23.03
LTE Band7	20	21100	50	#Max	QAM64	21.08	23.08
LTE Band7	20	21100	100	#0	QAM64	21.03	23.03
LTE Band7	20	21350	1	#0	QAM64	21.85	23.85
LTE Band7	20	21350	1	#Mid	QAM64	21.68	23.68
LTE Band7	20	21350	1	#Max	QAM64	21.82	23.82
LTE Band7	20	21350	50	#0	QAM64	20.91	22.91
LTE Band7	20	21350	50	#Mid	QAM64	20.87	22.87
LTE Band7	20	21350	50	#Max	QAM64	20.96	22.96
LTE Band7	20	21350	100	#0	QAM64	20.83	22.83



NR n7					Maximum Output Power(dBm)			EIRP (dBm)		
Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	500500	500500	500500	500500	500500	500500
					2502.5	2502.5	2502.5	2502.5	2502.5	2502.5
5	PI/2 BPSK	15	1	0	20.55	21.42	21.68	22.55	23.42	23.68
			1	1	21.47	22.26	22.49	23.47	24.26	24.49
			12	6	21.56	22.35	22.47	23.56	24.35	24.47
			25	0	20.62	21.56	21.70	22.62	23.56	23.70
	QPSK		1	0	20.51	21.56	21.47	22.51	23.56	23.47
			1	1	21.32	22.45	22.28	23.32	24.45	24.28
			12	6	21.55	22.28	22.44	23.55	24.28	24.44
			25	0	20.66	21.37	21.78	22.66	23.37	23.78
	16QAM		1	0	19.29	20.97	20.83	21.29	22.97	22.83
			1	1	20.31	20.99	21.70	22.31	22.99	23.70
			12	6	20.59	21.60	21.46	22.59	23.60	23.46
			25	0	19.60	20.72	20.64	21.60	22.72	22.64
	64QAM		1	0	18.79	20.08	19.97	20.79	22.08	21.97
			1	1	18.85	20.13	19.98	20.85	22.13	21.98
			12	6	19.18	20.51	20.30	21.18	22.51	22.30
			25	0	19.23	20.41	20.29	21.23	22.41	22.29
256QAM	1	0	17.34	18.29	18.09	19.34	20.29	20.09		
	1	1	17.33	18.28	18.24	19.33	20.28	20.24		
	12	6	17.61	18.53	18.45	19.61	20.53	20.45		
	25	0	17.55	18.46	18.39	19.55	20.46	20.39		
Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
					501000	507000	513000	501000	507000	513000
					2505	2535	2565	2505	2535	2565
10	PI/2 BPSK	15	1	0	20.16	21.29	21.65	22.16	23.29	23.65
			1	1	21.14	22.15	22.53	23.14	24.15	24.53
			25	13	21.61	22.23	22.41	23.61	24.23	24.41
			50	0	20.74	21.49	21.49	22.74	23.49	23.49
	QPSK		1	0	20.26	21.29	21.60	22.26	23.29	23.60
			1	1	21.19	22.21	22.49	23.19	24.21	24.49
			25	13	21.62	22.26	22.43	23.62	24.26	24.43
			50	0	20.76	21.34	21.55	22.76	23.34	23.55
	16QAM		1	0	19.46	20.73	21.11	21.46	22.73	23.11
			1	1	20.47	21.66	21.95	22.47	23.66	23.95
			25	13	20.60	21.35	21.52	22.60	23.35	23.52
			50	0	19.69	20.40	20.56	21.69	22.40	22.56



Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
					501500	507000	512500	501500	507000	512500
					2507.5	2535	2562.5	2507.5	2535	2562.5
15	64QAM	15	1	0	18.54	19.95	20.24	20.54	21.95	22.24
			1	1	18.59	19.91	20.23	20.59	21.91	22.23
			25	13	19.26	20.11	20.38	21.26	22.11	22.38
			50	0	19.31	20.09	20.39	21.31	22.09	22.39
	256QAM		1	0	16.98	18.17	18.29	18.98	20.17	20.29
			1	1	17.00	18.30	18.30	19.00	20.30	20.30
			25	13	17.63	18.52	18.48	19.63	20.52	20.48
			50	0	17.71	18.49	18.47	19.71	20.49	20.47
15	PI/2 BPSK	1	0	20.44	21.57	21.92	22.44	23.57	23.92	
		1	1	21.40	22.46	22.78	23.40	24.46	24.78	
		36	18	22.26	22.52	22.48	24.26	24.52	24.48	
		75	0	21.41	21.82	21.83	23.41	23.82	23.83	
	QPSK	1	0	20.42	21.63	21.97	22.42	23.63	23.97	
		1	1	21.38	22.66	22.78	23.38	24.66	24.78	
		36	18	22.29	22.40	22.50	24.29	24.40	24.50	
		75	0	21.51	21.52	21.69	23.51	23.52	23.69	
	16QAM	1	0	19.76	20.80	21.38	21.76	22.80	23.38	
		1	1	20.71	21.72	22.24	22.71	23.72	24.24	
		36	18	21.27	21.37	21.65	23.27	23.37	23.65	
		75	0	20.45	20.63	20.93	22.45	22.63	22.93	
	64QAM	1	0	18.86	19.93	20.49	20.86	21.93	22.49	
		1	1	18.88	19.90	20.47	20.88	21.90	22.47	
		36	18	19.87	20.01	20.37	21.87	22.01	22.37	
		75	0	20.01	20.16	20.55	22.01	22.16	22.55	
	256QAM	1	0	17.51	18.22	18.40	19.51	20.22	20.40	
		1	1	17.53	18.23	18.39	19.53	20.23	20.39	
		36	18	18.49	18.59	18.72	20.49	20.59	20.72	
		75	0	18.47	18.60	18.59	20.47	20.60	20.59	
Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			EIRP (dBm)		
					502000	507000	512000	502000	507000	512000
					2510	2535	2560	2510	2535	2560
20	PI/2 BPSK	15	1	0	20.31	21.52	22.11	22.31	23.52	24.11
			1	1	21.26	22.38	23.07	23.26	24.38	25.07
			50	25	22.37	21.95	22.61	24.37	23.95	24.61
			100	0	21.21	21.13	21.75	23.21	23.13	23.75
	QPSK		1	0	20.33	21.50	22.15	22.33	23.50	24.15



		1	1	21.25	22.43	23.05	23.25	24.43	25.05	
		50	25	22.42	21.89	22.62	24.42	23.89	24.62	
		100	0	21.35	20.98	21.54	23.35	22.98	23.54	
	16QAM		1	0	19.66	20.90	21.45	21.66	22.90	23.45
			1	1	20.60	21.83	22.55	22.60	23.83	24.55
			50	25	21.33	21.00	21.75	23.33	23.00	23.75
	64QAM		100	0	20.25	20.15	20.83	22.25	22.15	22.83
			1	0	18.73	20.12	20.45	20.73	22.12	22.45
			1	1	18.78	20.15	20.46	20.78	22.15	22.46
	256QAM		50	25	20.07	19.76	20.56	22.07	21.76	22.56
			100	0	19.81	19.72	20.40	21.81	21.72	22.40
			1	0	16.75	18.07	18.34	18.75	20.07	20.34
			1	1	16.78	18.04	19.39	18.78	20.04	21.39
			50	25	18.47	18.30	18.59	20.47	20.30	20.59
			100	0	18.34	18.25	18.67	20.34	20.25	20.67

5.2 Occupied Bandwidth

Ambient condition

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

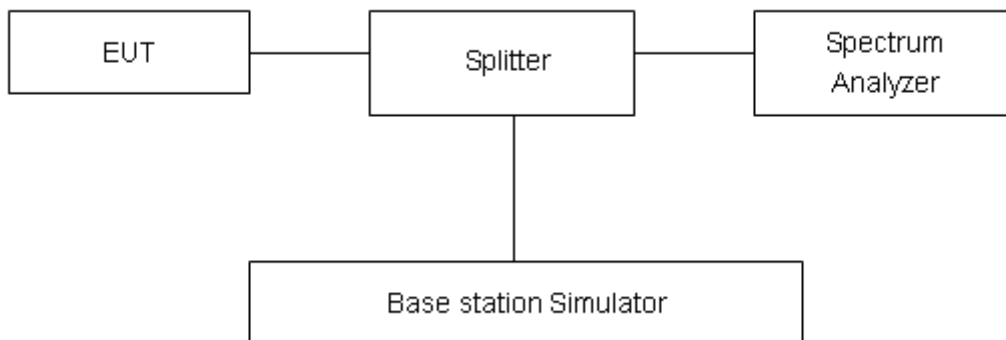
Method of Measurement

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 Result

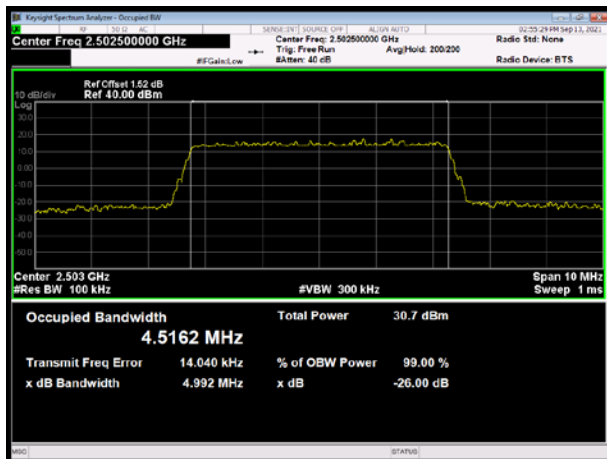
LTE Band 7						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	20775	2502.5	4.516	4.992
			21100	2535	4.504	4.979
			21425	2567.5	4.519	4.941
		10	20800	2505	8.977	9.723
			21100	2535	8.971	9.704
			21400	2565	8.970	9.807
		15	20825	2507.5	13.432	14.647
			21100	2535	13.482	14.537
			21375	2562.5	13.469	14.644
		20	20850	2510	17.950	19.263
			21100	2535	17.993	19.332
			21350	2560	17.929	19.145
	16QAM	5	20775	2502.5	4.504	4.979
			21100	2535	4.519	4.989
			21425	2567.5	4.508	4.982
		10	20800	2505	8.979	9.719
			21100	2535	8.995	9.662
			21400	2565	8.974	9.680
		15	20825	2507.5	13.500	14.516
			21100	2535	13.468	14.523
			21375	2562.5	13.466	14.671
		20	20850	2510	17.898	19.292
			21100	2535	17.925	19.386
			21350	2560	17.956	19.361
	64QAM	5	20775	2502.5	4.521	4.951
			21100	2535	4.513	4.962
			21425	2567.5	4.509	4.950
		10	20800	2505	8.986	9.740
			21100	2535	8.949	9.674
			21400	2565	8.959	9.684
15		20825	2507.5	13.468	14.633	
		21100	2535	13.431	14.489	
		21375	2562.5	13.450	14.609	
20		20850	2510	17.945	19.511	
		21100	2535	17.970	19.591	
		21350	2560	17.964	19.417	



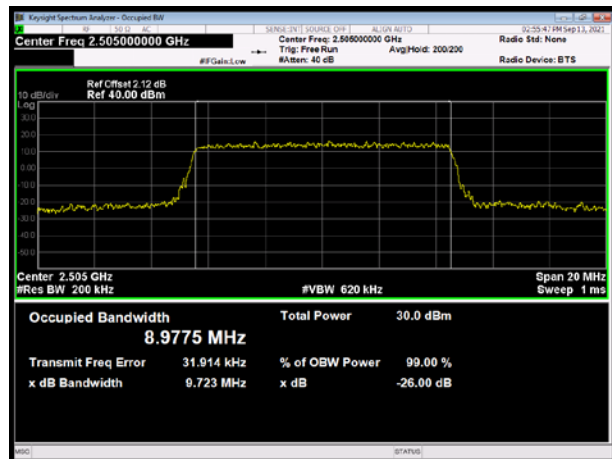
NR n7						
RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
1	BPSK	20	502000	2510	0.252	0.388
			507000	2535	0.239	0.411
			512000	2560	0.239	0.421
	QPSK	20	502000	2510	0.247	0.388
			507000	2535	0.239	0.396
			512000	2560	0.239	0.427
	16QAM	20	502000	2510	0.238	0.357
			507000	2535	0.239	0.404
			512000	2560	0.253	0.428
	64QAM	20	502000	2510	0.254	0.414
			507000	2535	0.264	0.428
			512000	2560	0.255	0.414
	256QAM	20	502000	2510	0.239	0.397
			507000	2535	0.250	0.428
			512000	2560	0.262	0.451
100%	BPSK	20	502000	2510	17.859	18.980
			507000	2535	17.901	19.000
			512000	2560	17.902	18.960
	QPSK	20	502000	2510	17.868	18.960
			507000	2535	17.905	18.950
			512000	2560	17.892	19.150
	16QAM	20	502000	2510	17.946	19.040
			507000	2535	17.972	19.020
			512000	2560	17.968	19.060
	64QAM	20	502000	2510	17.888	19.000
			507000	2535	17.934	19.050
			512000	2560	17.928	18.980
	256QAM	20	502000	2510	17.884	18.980
			507000	2535	17.921	19.040
			512000	2560	17.915	19.120



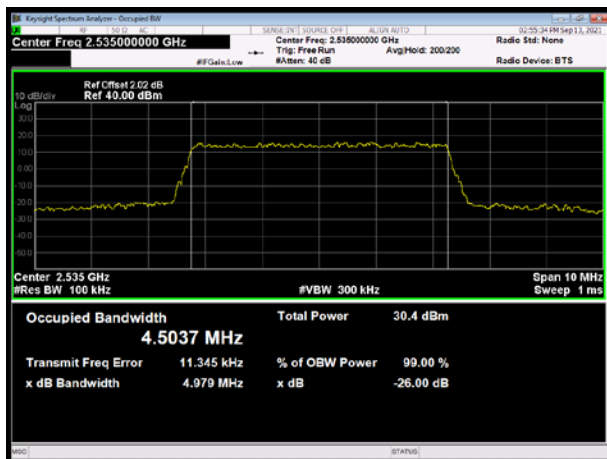
LTE Band 7 QPSK 5MHz CH-Low



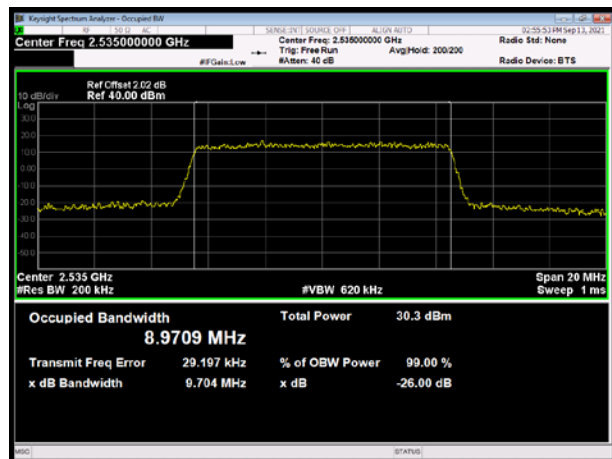
LTE Band 7 QPSK 10MHz CH-Low



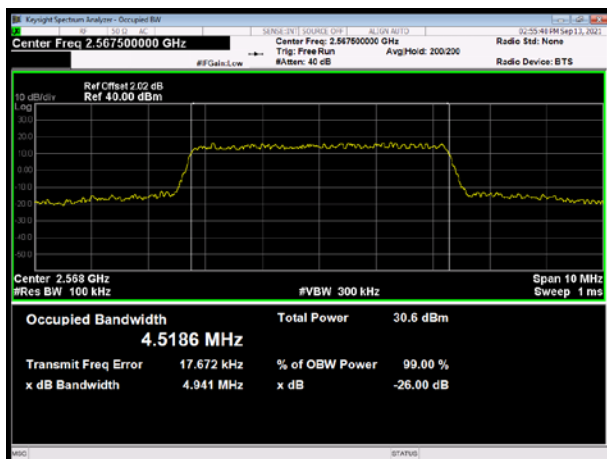
LTE Band 7 QPSK 5MHz CH-Middle



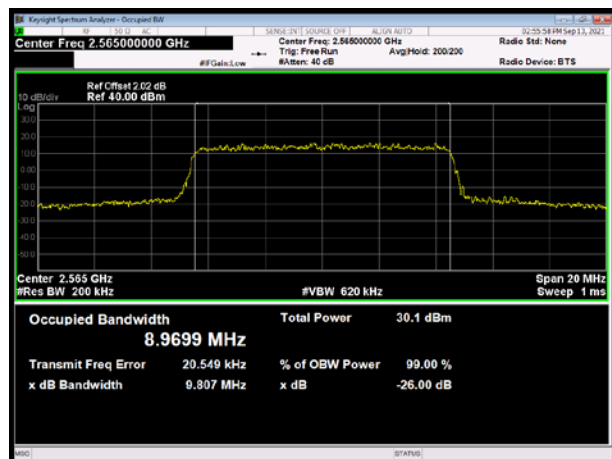
LTE Band 7 QPSK 10MHz CH-Middle



LTE Band 7 QPSK 5MHz CH-High

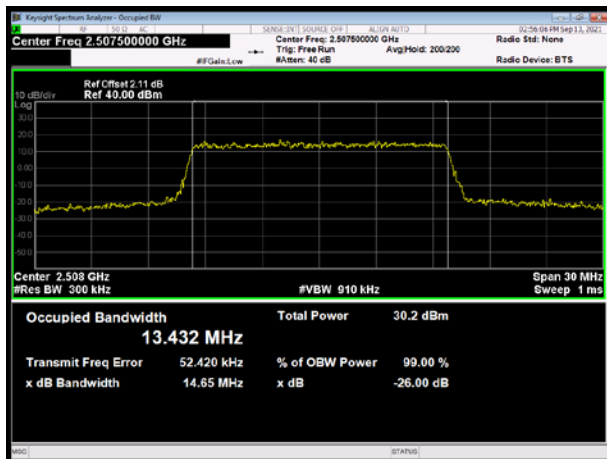


LTE Band 7 QPSK 10MHz CH-High

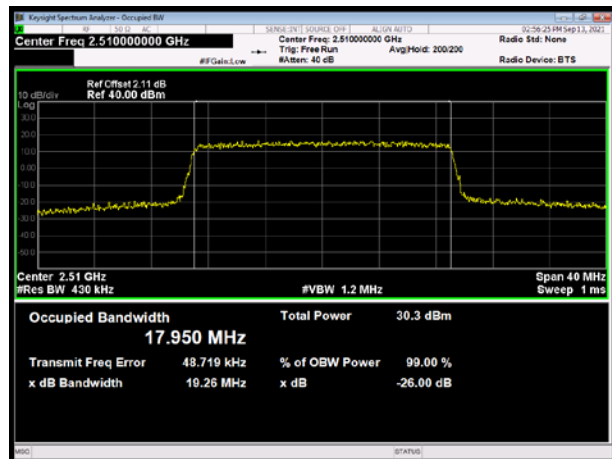




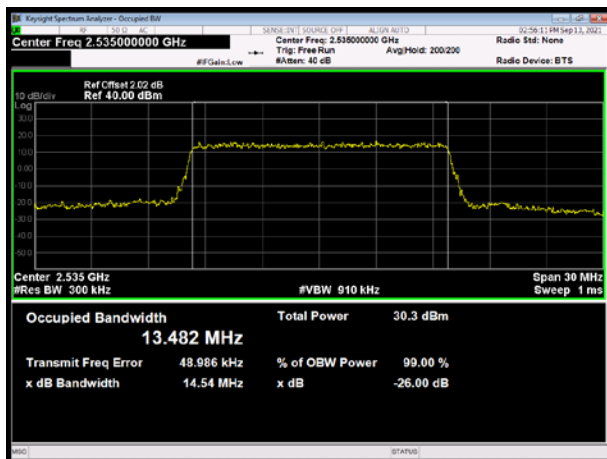
LTE Band 7 QPSK 15MHz CH-Low



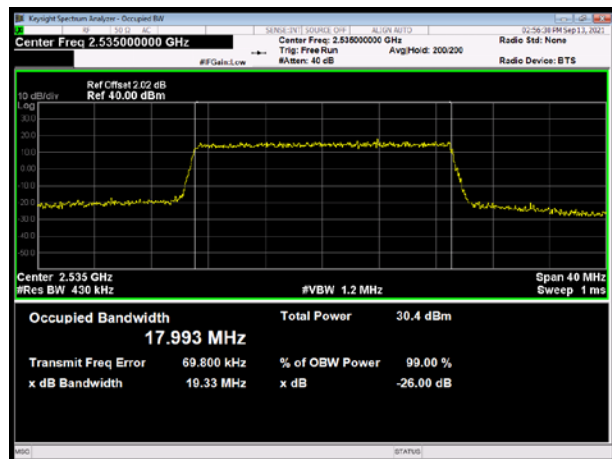
LTE Band 7 QPSK 20MHz CH-Low



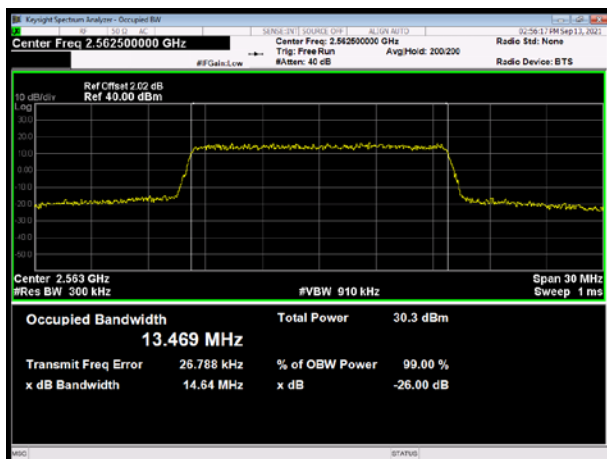
LTE Band 7 QPSK 15MHz CH-Middle



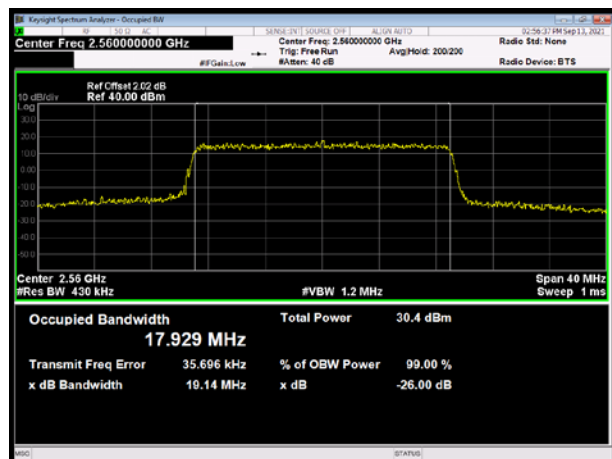
LTE Band 7 QPSK 20MHz CH-Middle



LTE Band 7 QPSK 15MHz CH-High

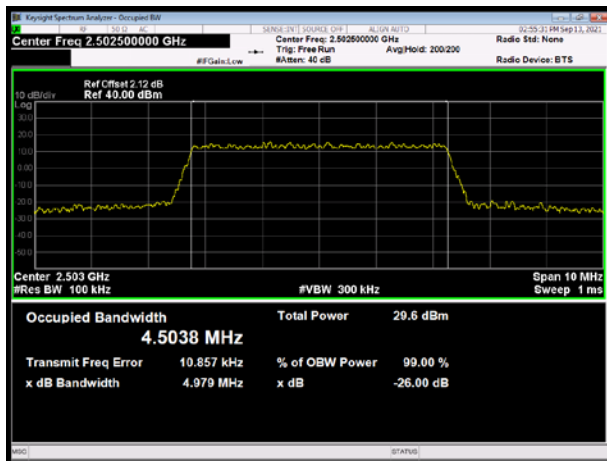


LTE Band 7 QPSK 20MHz CH-High

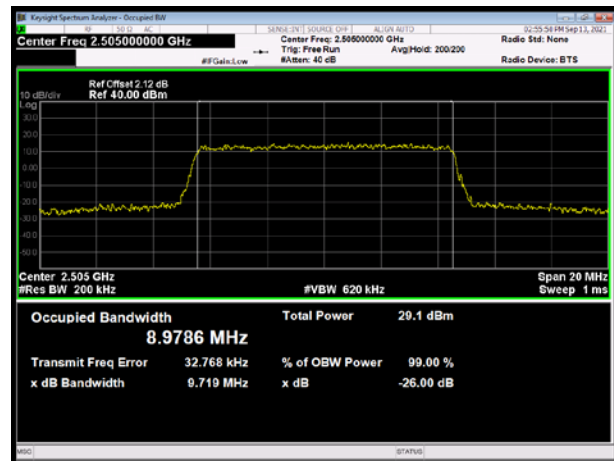




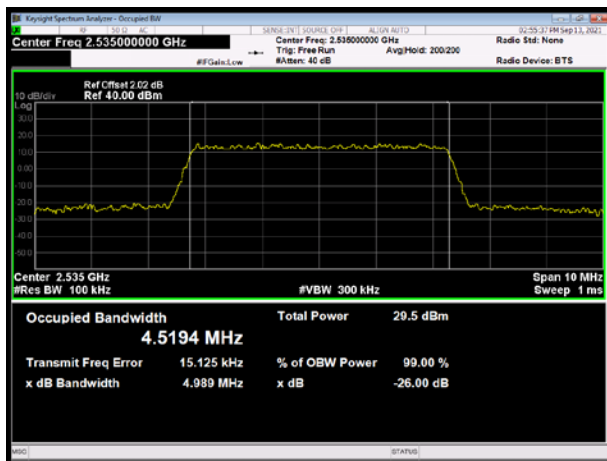
LTE Band 7 16QAM 5MHz CH-Low



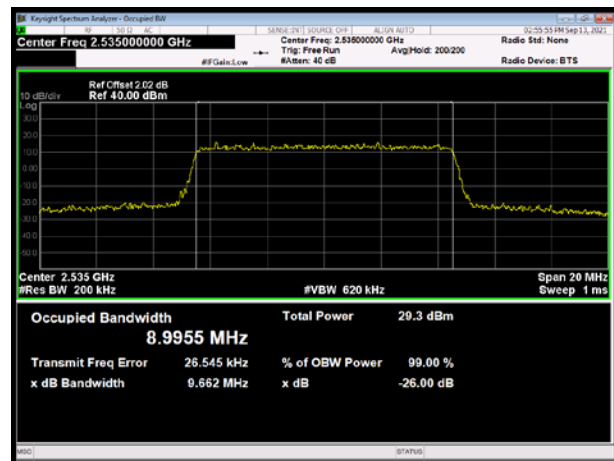
LTE Band 7 16QAM 10MHz CH-Low



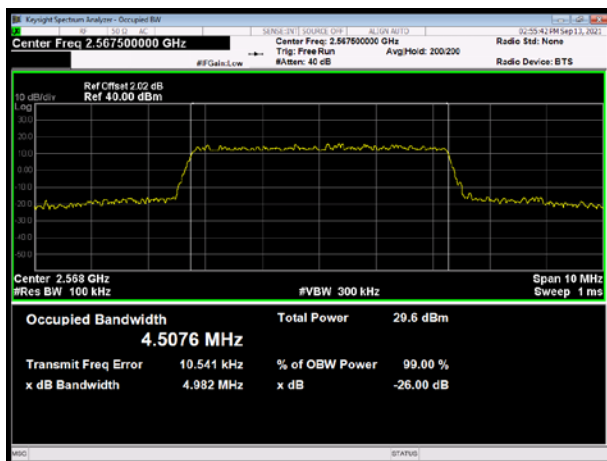
LTE Band 7 16QAM 5MHz CH-Middle



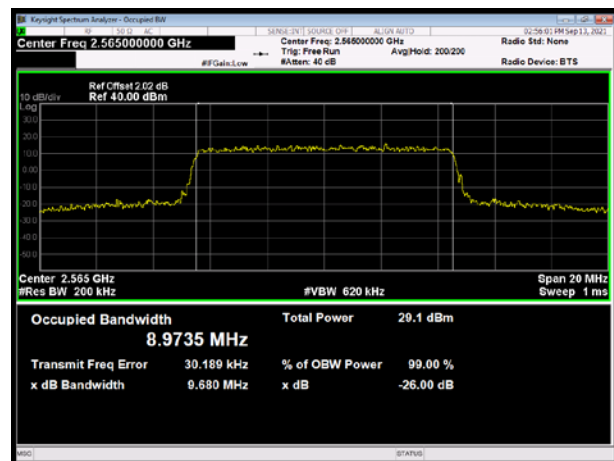
LTE Band 7 16QAM 10MHz CH-Middle



LTE Band 7 16QAM 5MHz CH-High

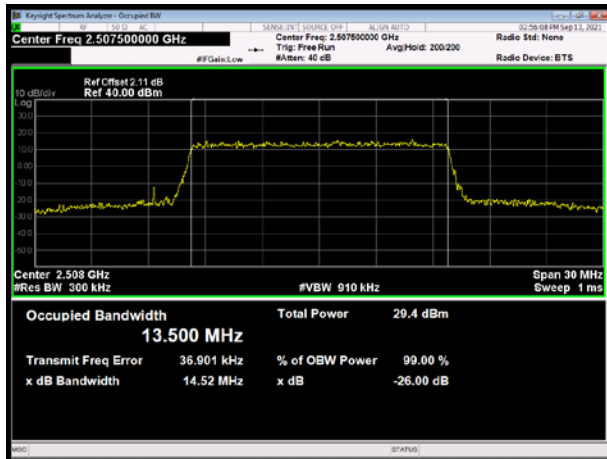


LTE Band 7 16QAM 10MHz CH-High

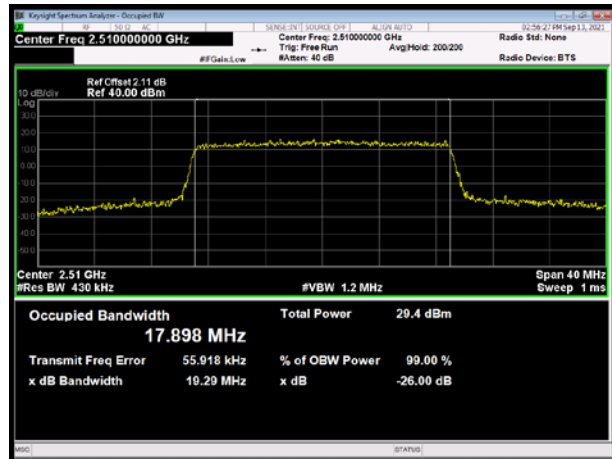




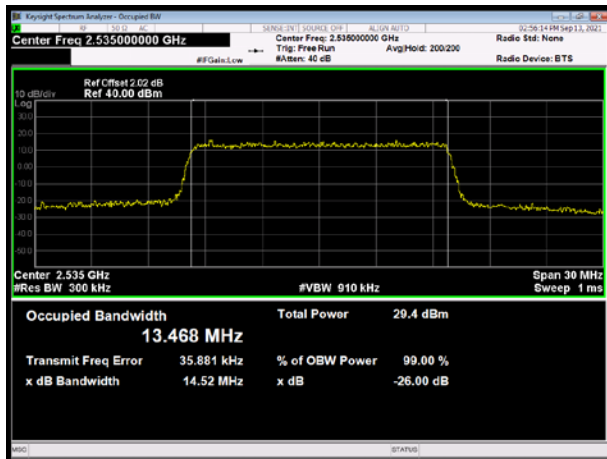
LTE Band 7 16QAM 15MHz CH-Low



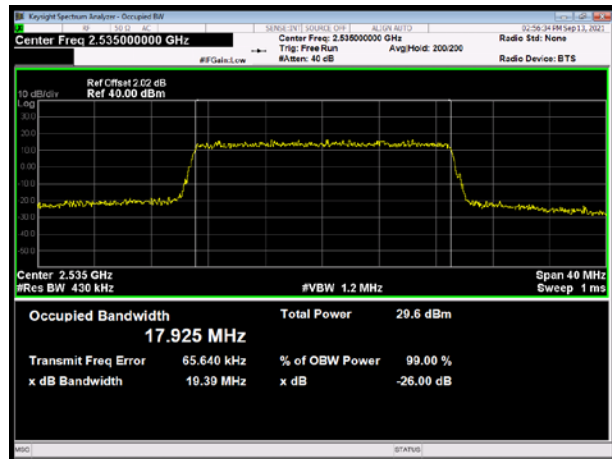
LTE Band 7 16QAM 20MHz CH-Low



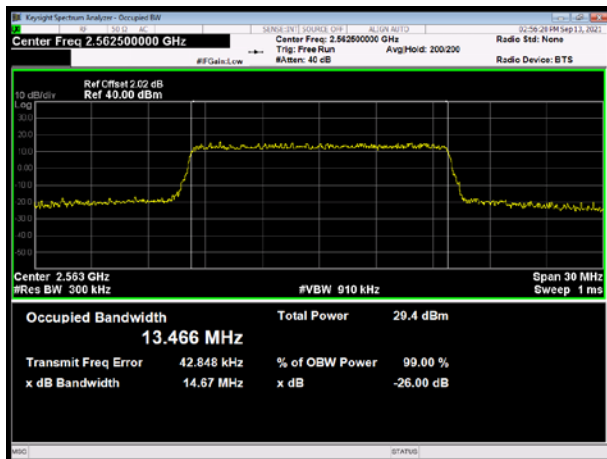
LTE Band 7 16QAM 15MHz CH-Middle



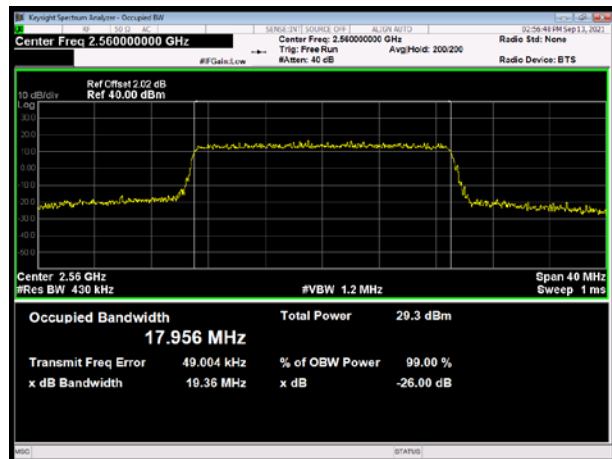
LTE Band 7 16QAM 20MHz CH-Middle



LTE Band 7 16QAM 15MHz CH-High

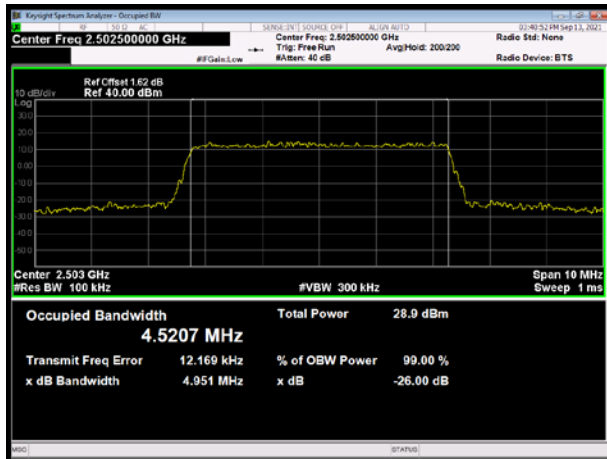


LTE Band 7 16QAM 20MHz CH-High

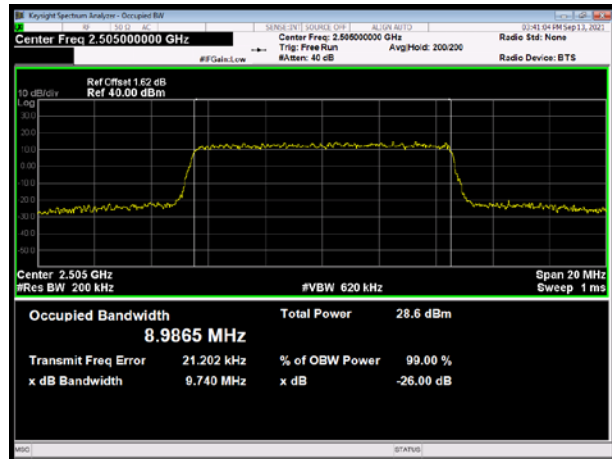




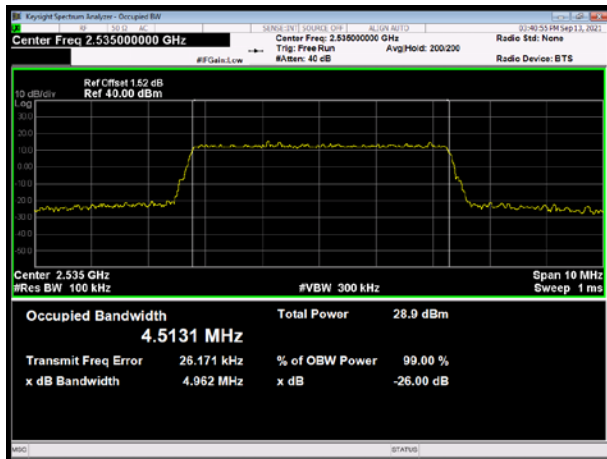
LTE Band 7 64QAM 5MHz CH-Low



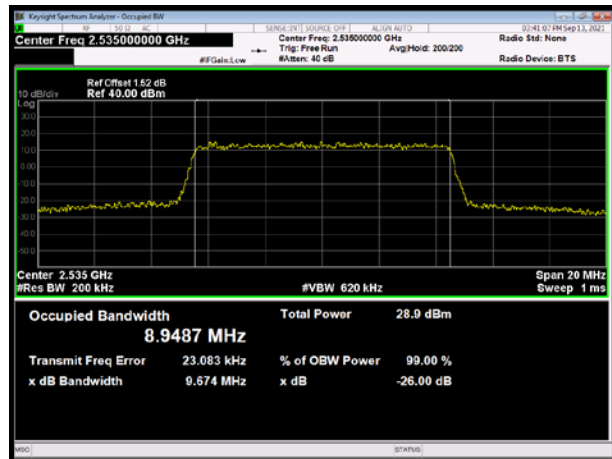
LTE Band 7 64QAM 10MHz CH-Low



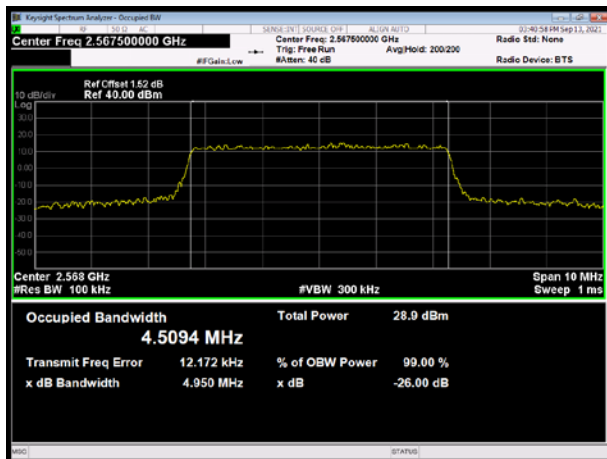
LTE Band 7 64QAM 5MHz CH-Middle



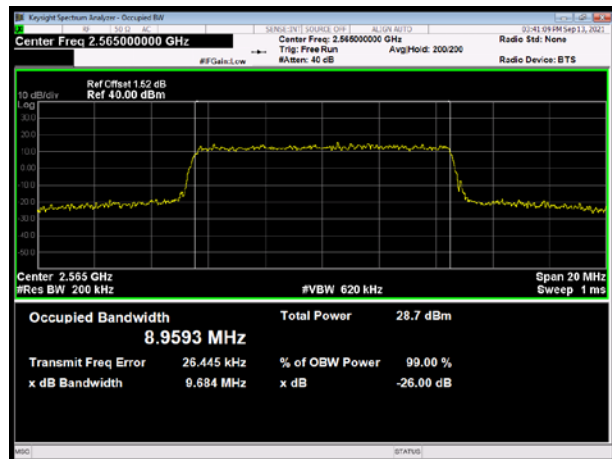
LTE Band 7 64QAM 10MHz CH-Middle



LTE Band 7 64QAM 5MHz CH-High

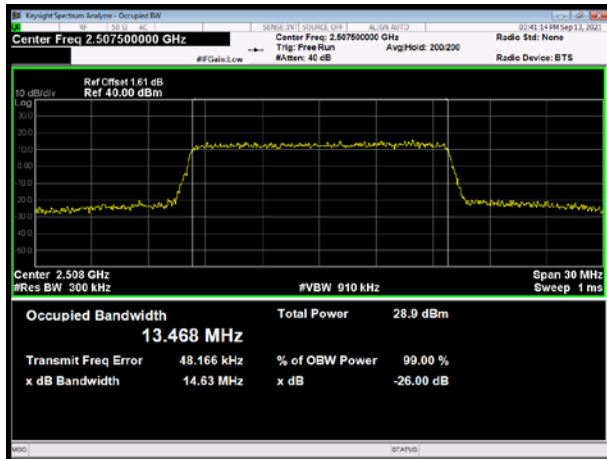


LTE Band 7 64QAM 10MHz CH-High

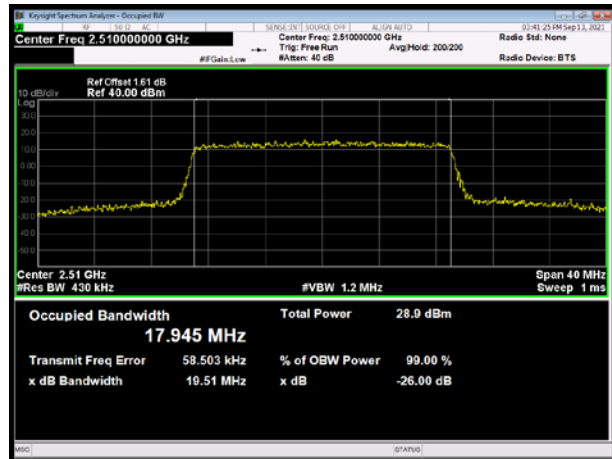




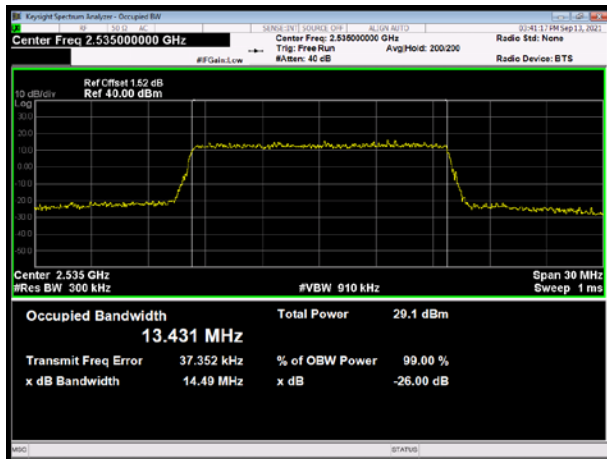
LTE Band 7 64QAM 15MHz CH-Low



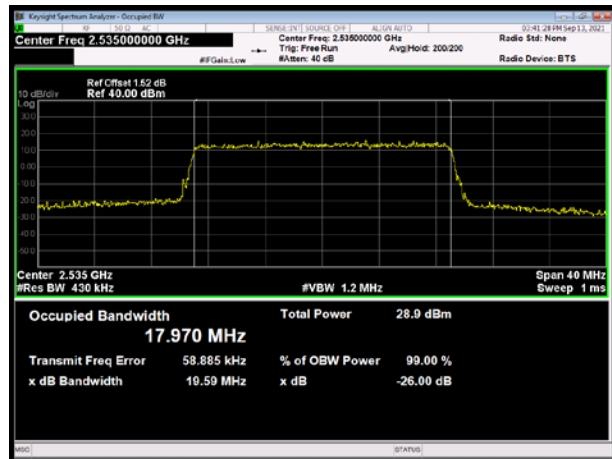
LTE Band 7 64QAM 20MHz CH-Low



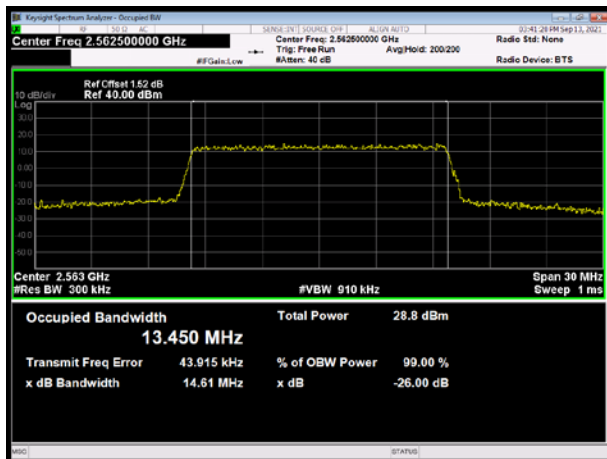
LTE Band 7 64QAM 15MHz CH-Middle



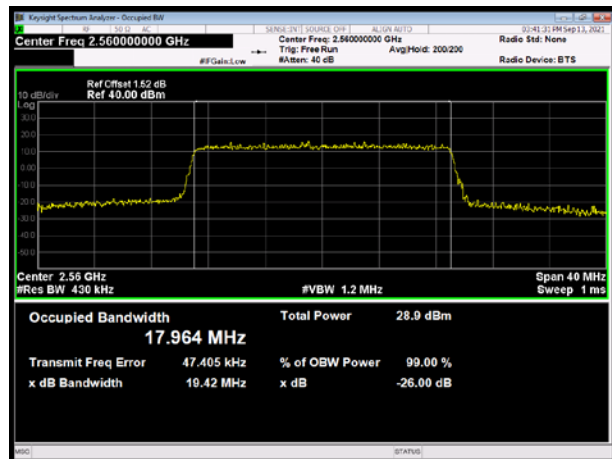
LTE Band 7 64QAM 20MHz CH-Middle



LTE Band 7 64QAM 15MHz CH-High

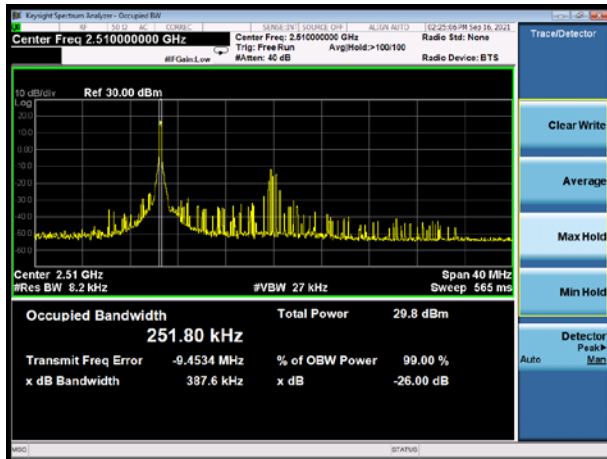


LTE Band 7 64QAM 20MHz CH-High

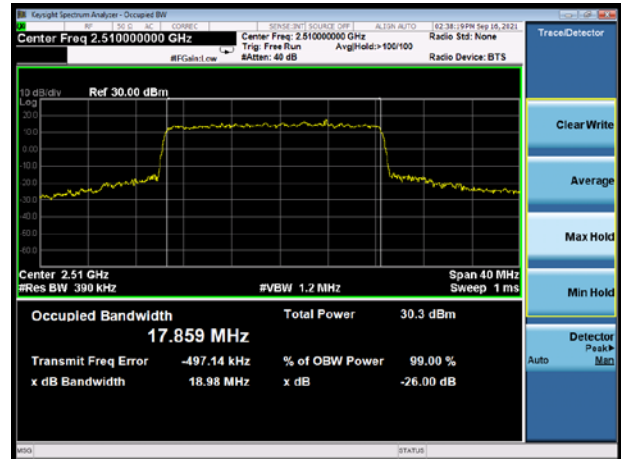




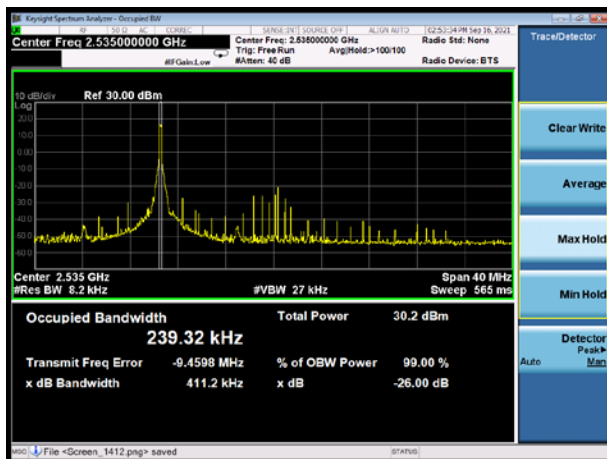
NR n7 P1/2 BPSK 1%RB CH-Low



NR n7 P1/2 BPSK 100%RB CH-Low



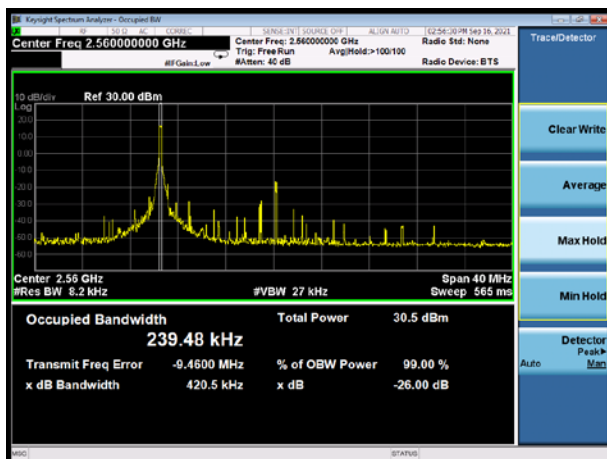
NR n7 P1/2 BPSK 1%RB CH-Middle



NR n7 P1/2 BPSK 100%RB CH-Middle



NR n7 P1/2 BPSK 1%RB CH-High

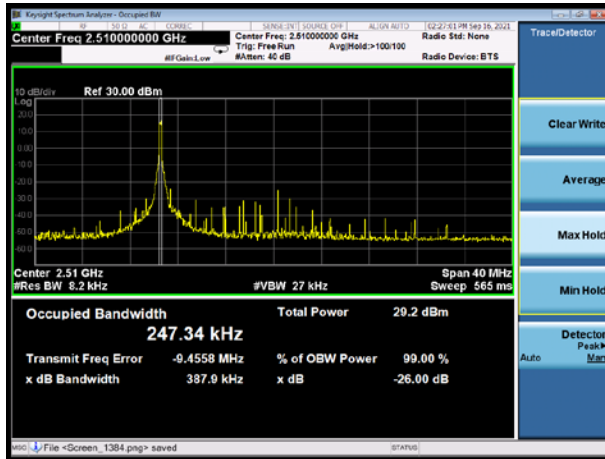


NR n7 P1/2 BPSK 100%RB CH-High

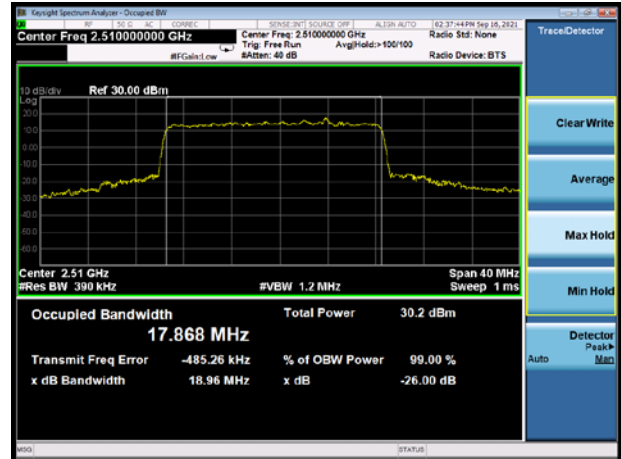




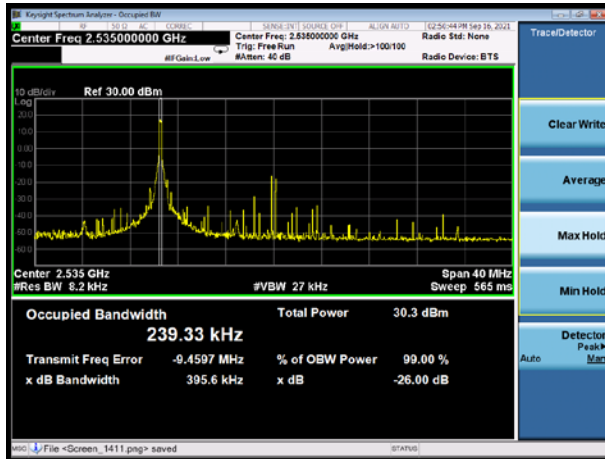
NR n7 QPSK 1%RB CH-Low



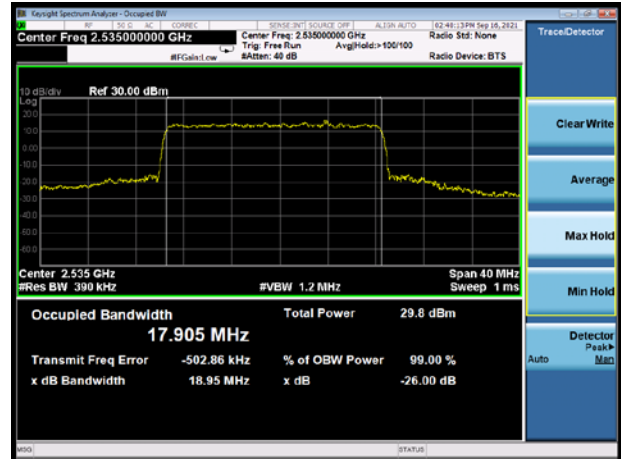
NR n7 QPSK 100%RB CH-Low



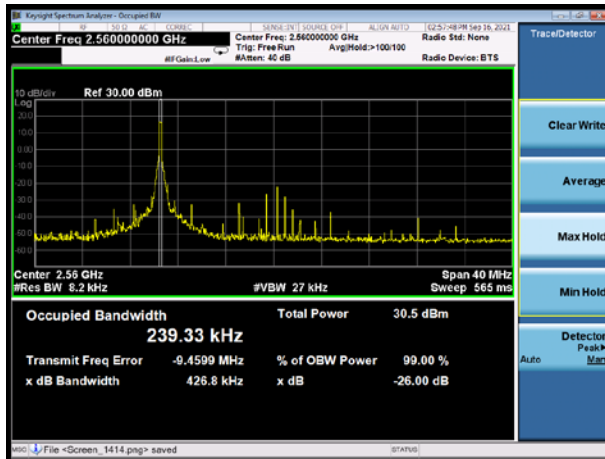
NR n7 QPSK 1%RB CH-Middle



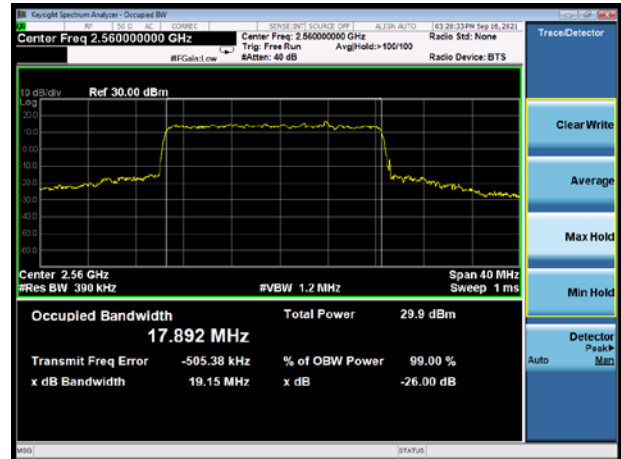
NR n7 QPSK 100%RB CH-Middle



NR n7 QPSK 1%RB CH-High

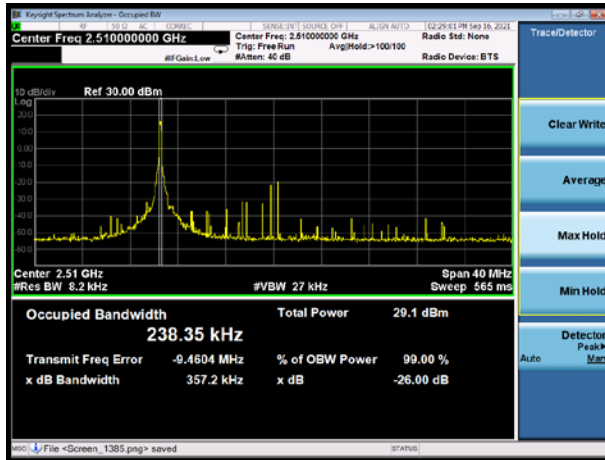


NR n7 QPSK 100%RBCH-High





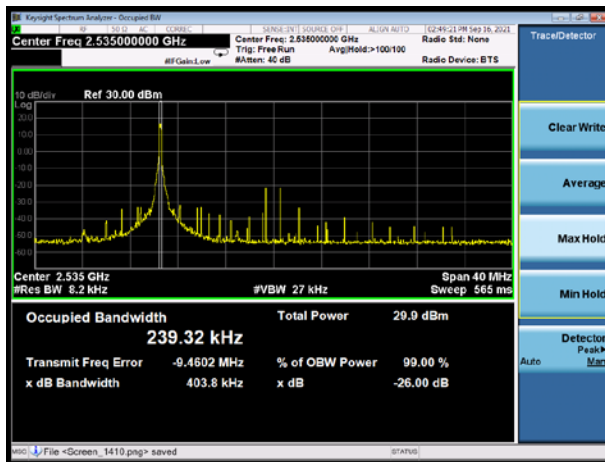
NR n7 16QAM 1%RB CH-Low



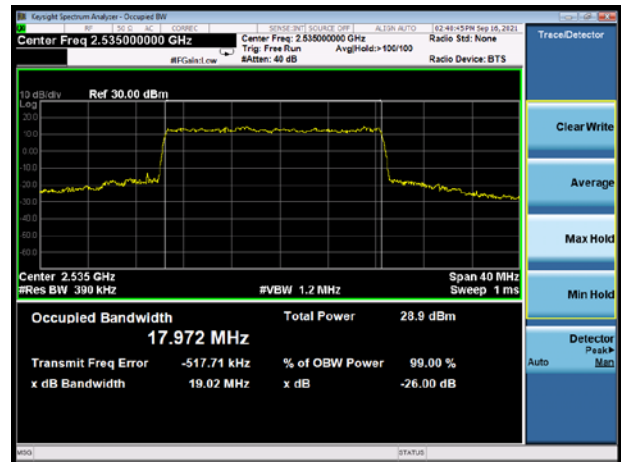
NR n7 16QAM 100%RB CH-Low



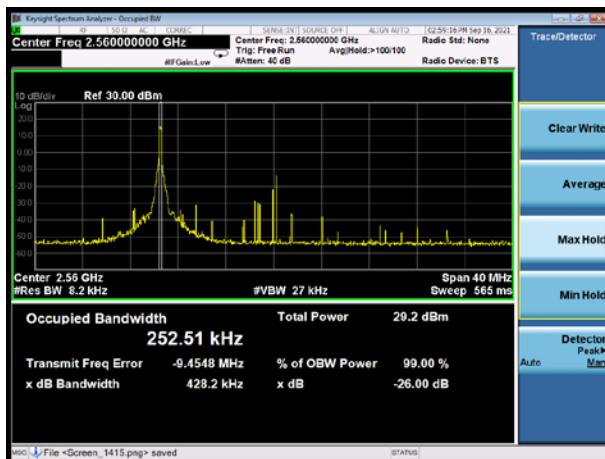
NR n7 16QAM 1%RB CH-Middle



NR n7 16QAM 100%RB CH-Middle



NR n7 16QAM 1%RB CH-High

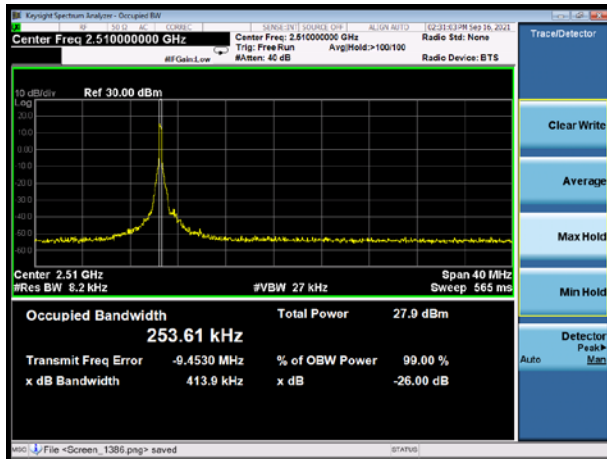


NR n7 16QAM 100%RB CH-High





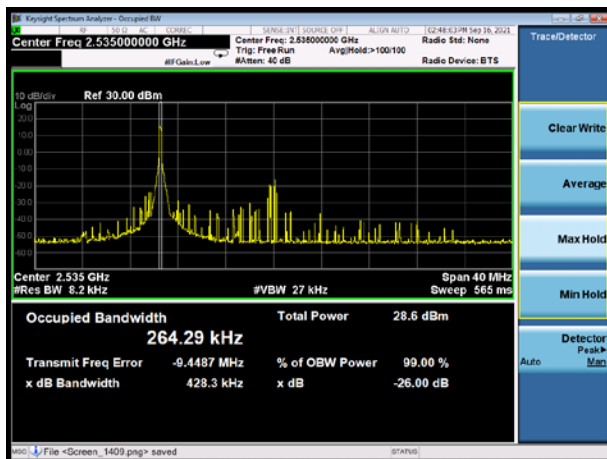
NR n7 64QAM 1%RB CH-Low



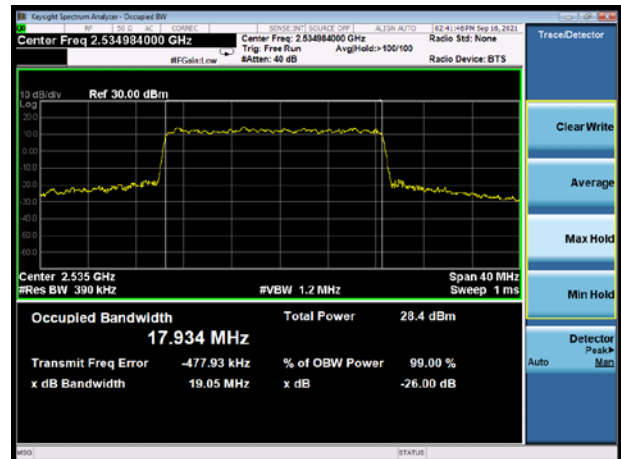
NR n7 64QAM 100%RB CH-Low



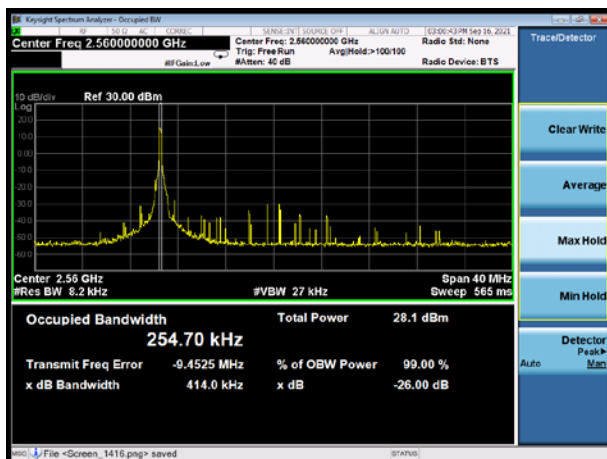
NR n7 64QAM 1%RB CH-Middle



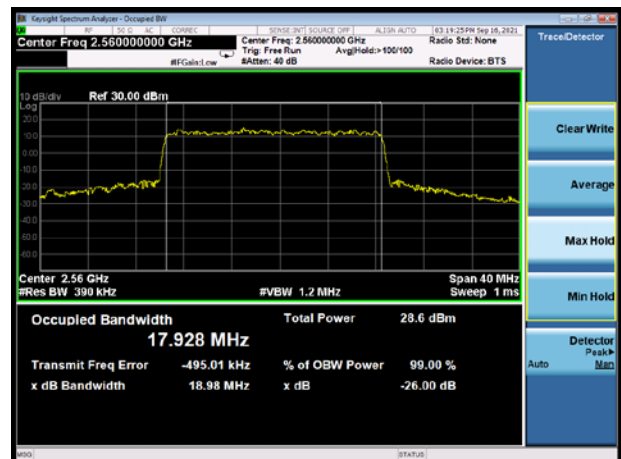
NR n7 64QAM 100%RB CH-Middle



NR n7 64QAM 1%RB CH-High

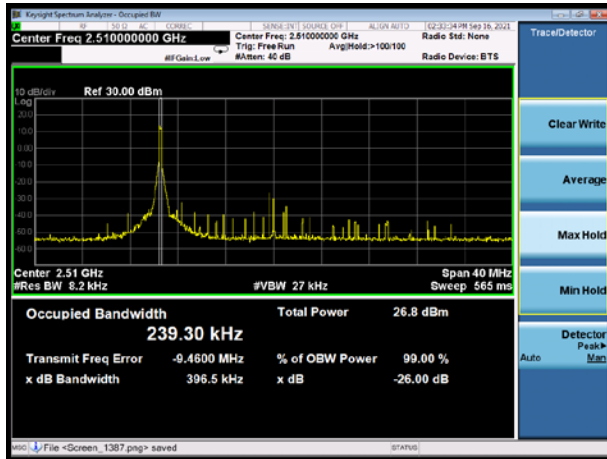


NR n7 64QAM 100%RB CH-High





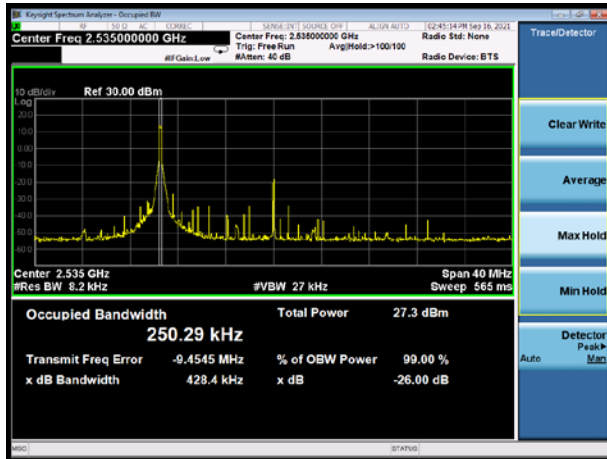
NR n7 256QAM 1%RB CH-Low



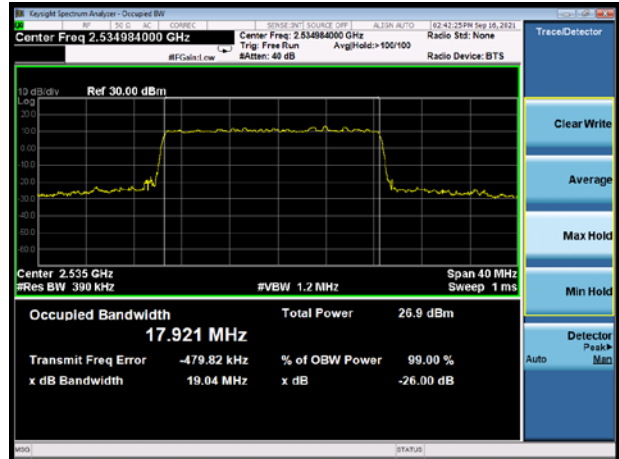
NR n7 256QAM 100%RB CH-Low



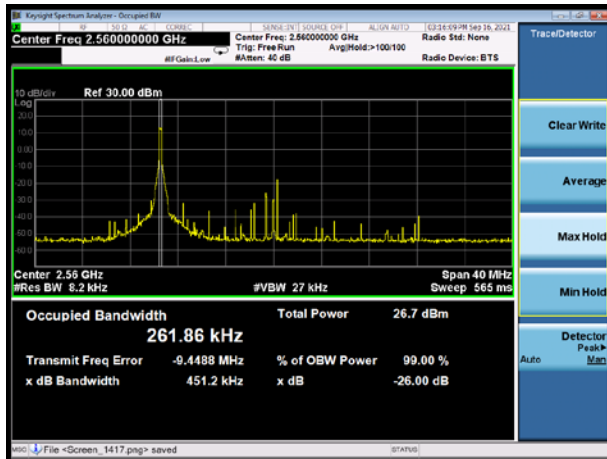
NR n7 256QAM 1%RB CH-Middle



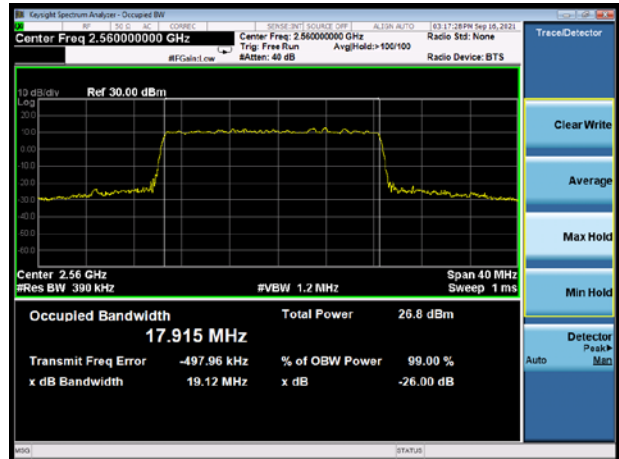
NR n7 256QAM 100%RB CH-Middle



NR n7 256QAM 1%RB CH-High



NR n7 256QAM 100%RB CH-High



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 the middle channel, high channaset 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.

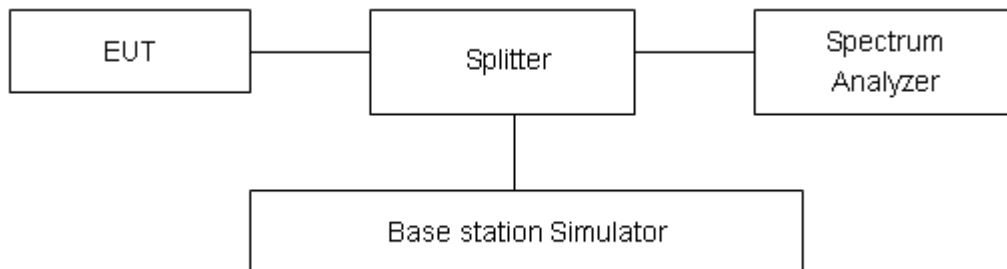
on spectrum analyzer.

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(m) (4)/ specifies that “for BRS and EBS stations. For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on



frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Example:

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P (Watts)

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

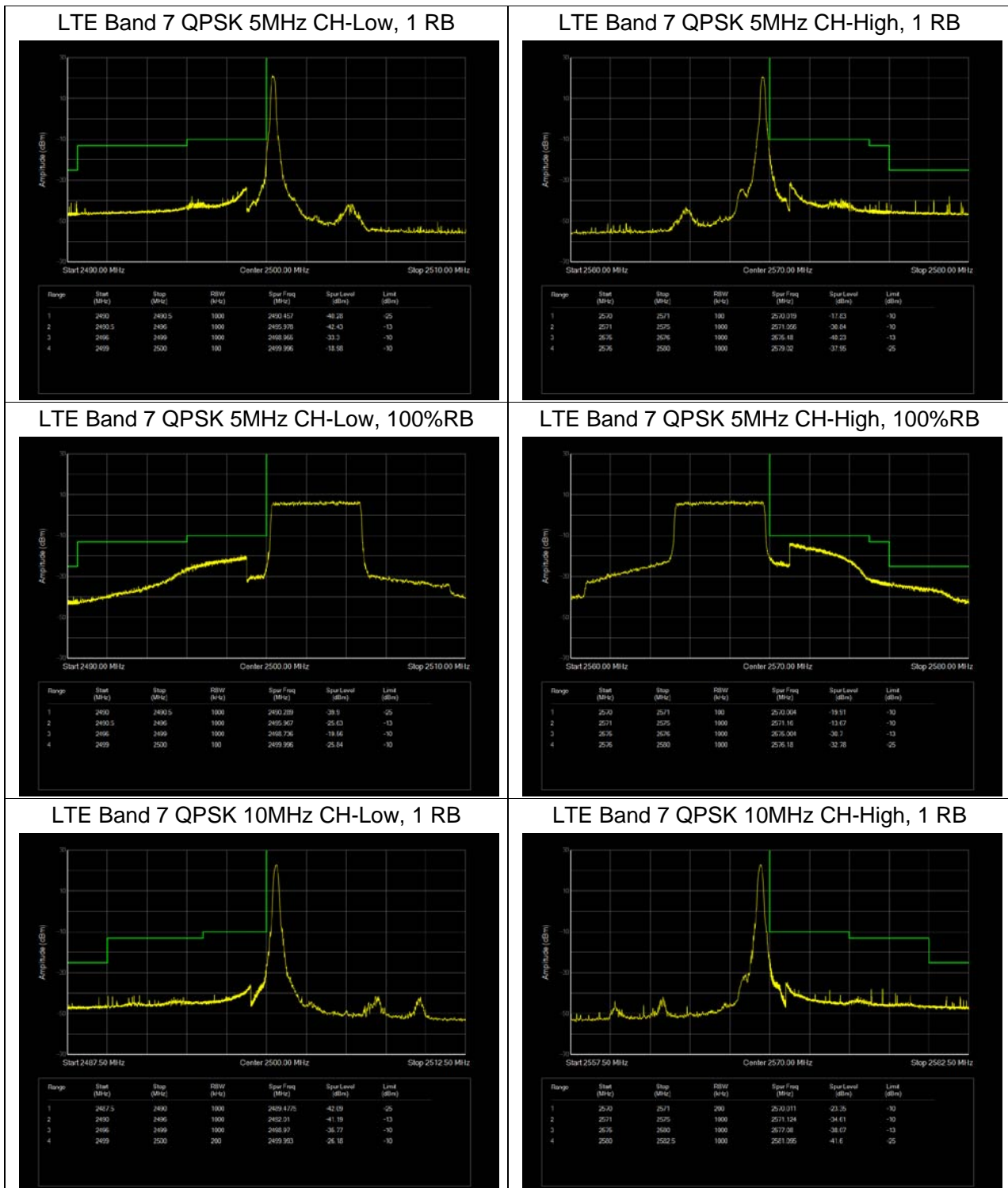
= $[30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB) = -13dBm.

Measurement Uncertainty

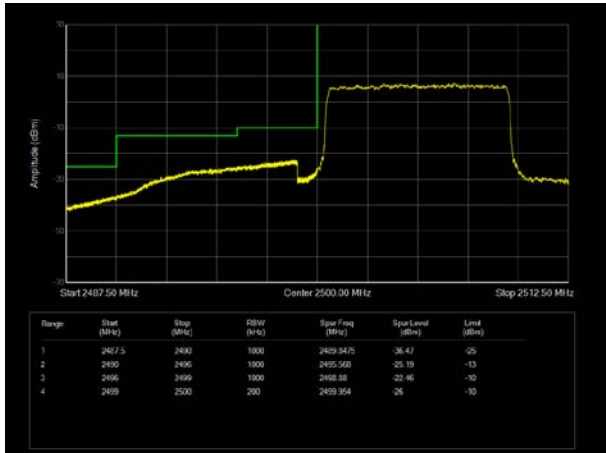
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U=0.684$ dB.

Test Result

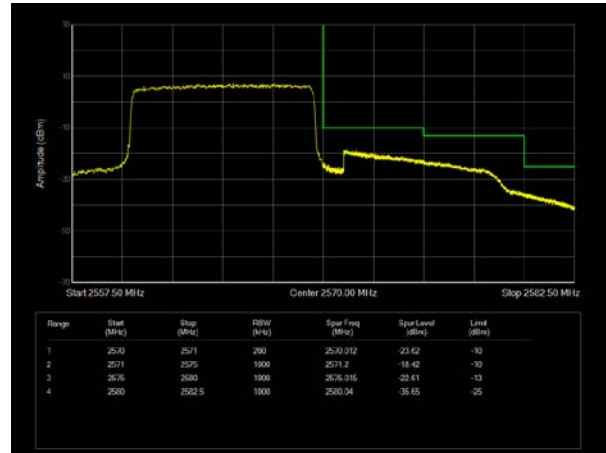
All the test traces in the plots shows the test results clearly.



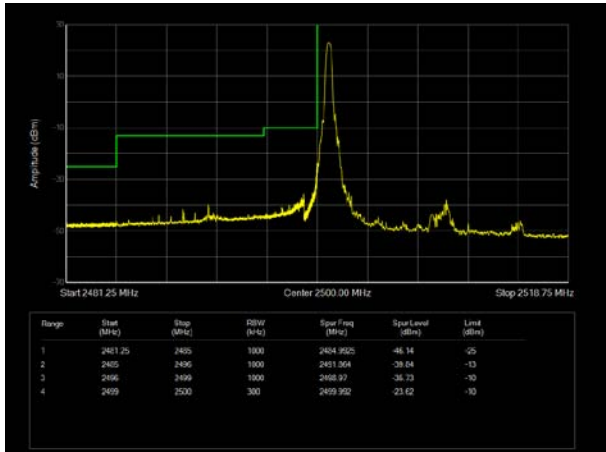
LTE Band 7 QPSK 10MHz CH-Low, 100%RB



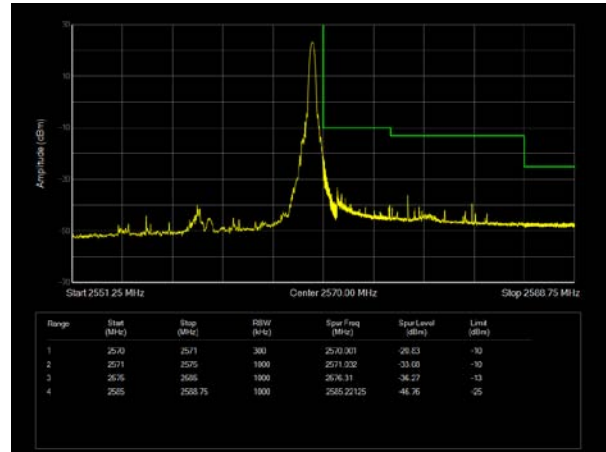
LTE Band 7 QPSK 10MHz CH-High, 100%RB



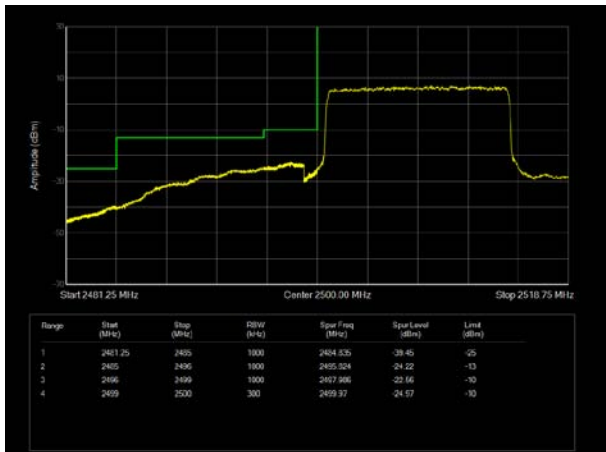
LTE Band 7 QPSK 15MHz CH-Low, 1 RB



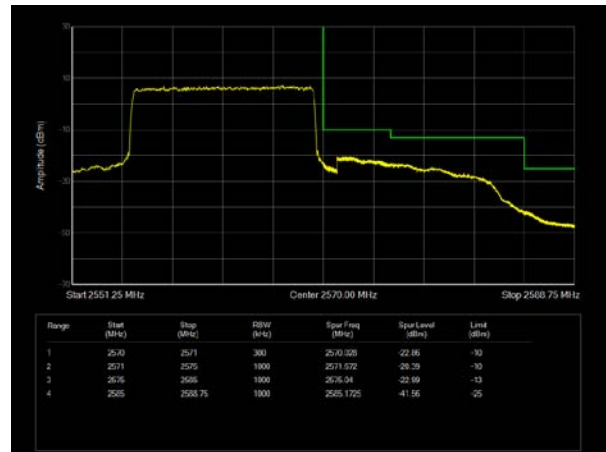
LTE Band 7 QPSK 15MHz CH-High, 1 RB



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

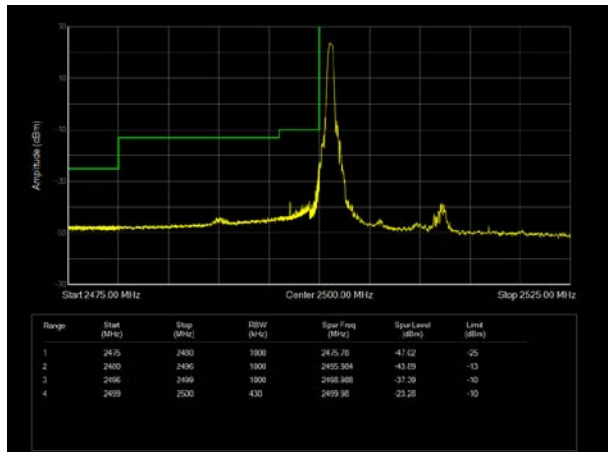


LTE Band 7 QPSK 15MHz CH-High, 100%RB

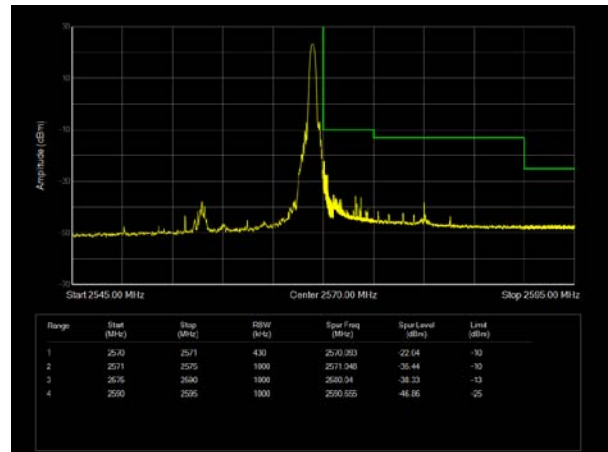




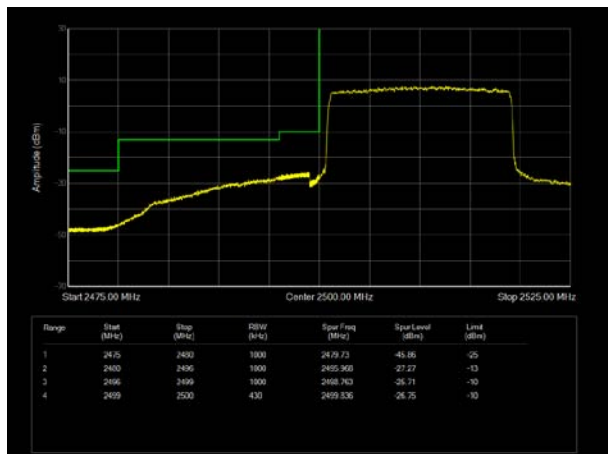
LTE Band 7 QPSK 20MHz CH-Low, 1 RB



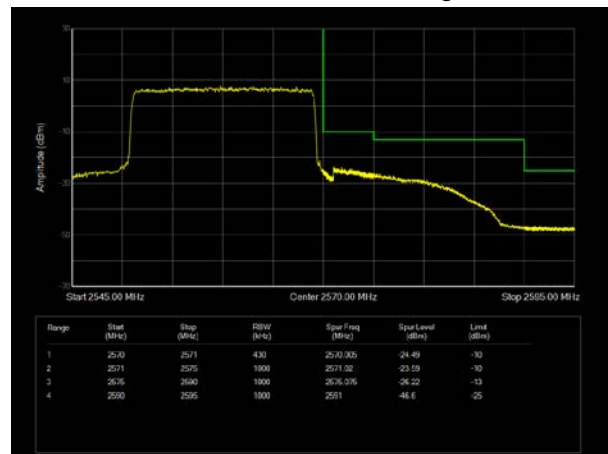
LTE Band 7 QPSK 20MHz CH-High, 1 RB



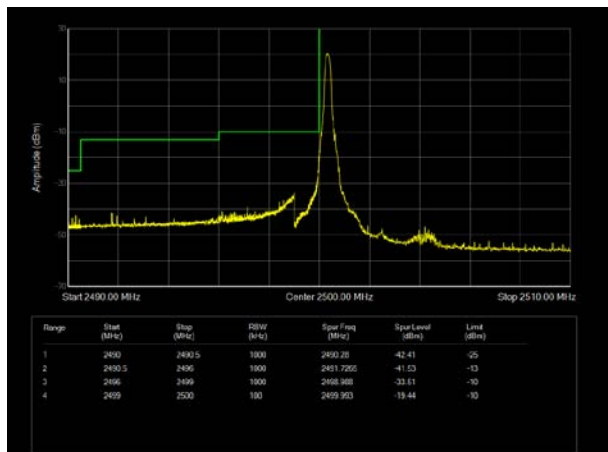
LTE Band 7 QPSK 20MHz CH-Low, 100%RB



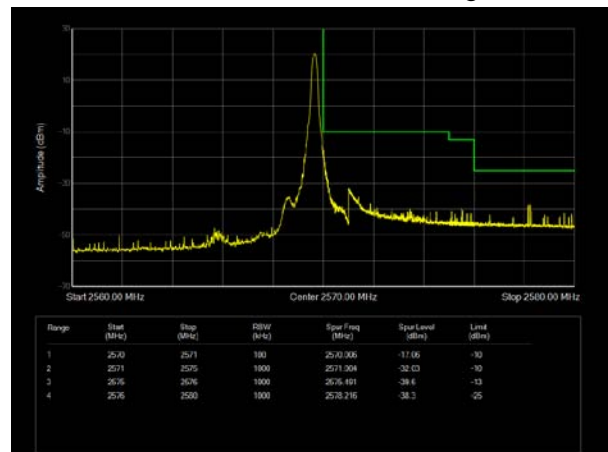
LTE Band 7 QPSK 20MHz CH-High, 100%RB



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

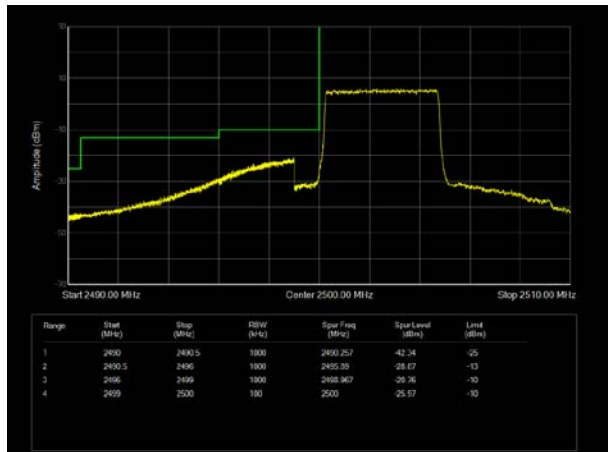


LTE Band 7 16QAM 5MHz CH-High, 1 RB

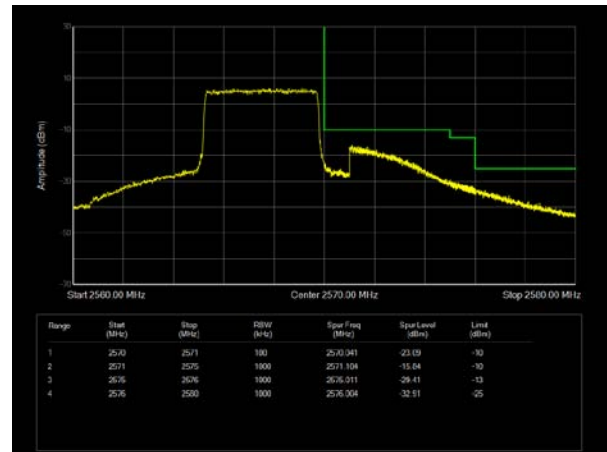




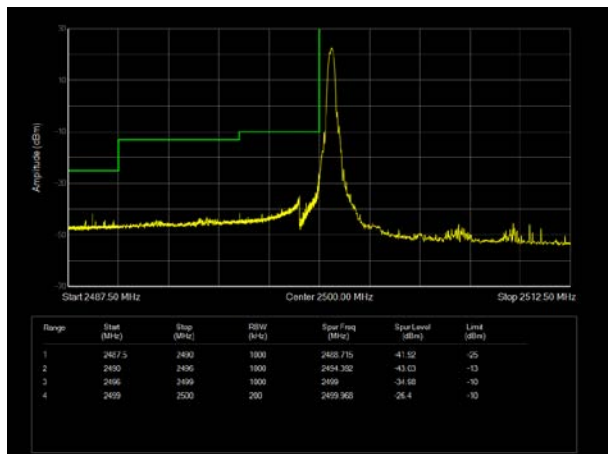
LTE Band 7 16QAM 5MHz CH-Low, 100%RB



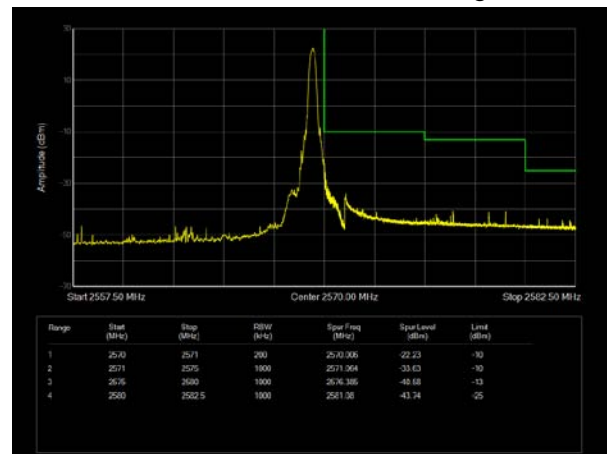
LTE Band 7 16QAM 5MHz CH-High, 100%RB



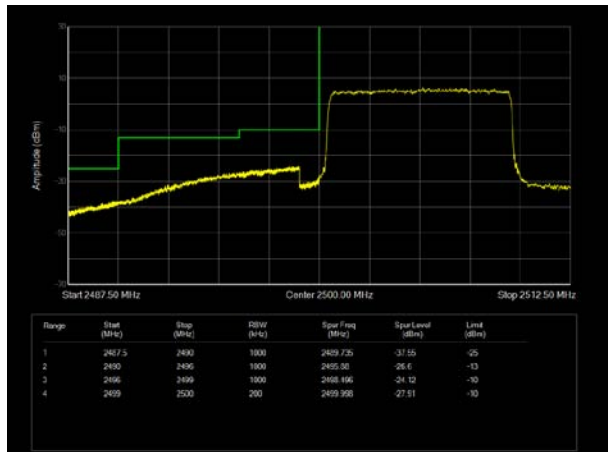
LTE Band 7 16QAM 10MHz CH-Low, 1 RB



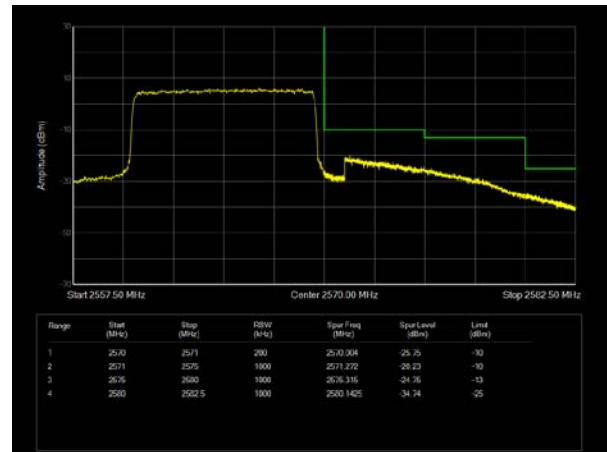
LTE Band 7 16QAM 10MHz CH-High, 1 RB



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

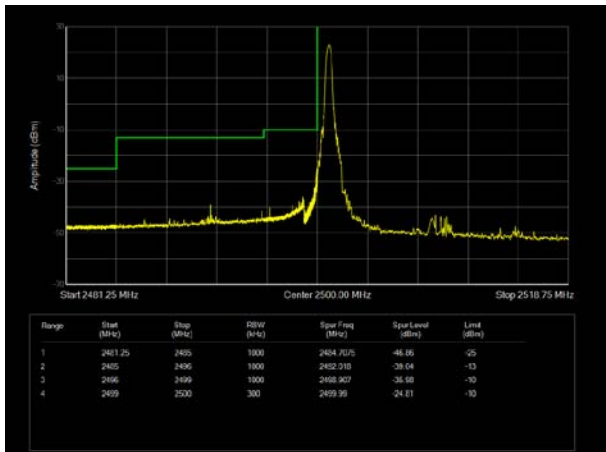


LTE Band 7 16QAM 10MHz CH-High, 100%RB

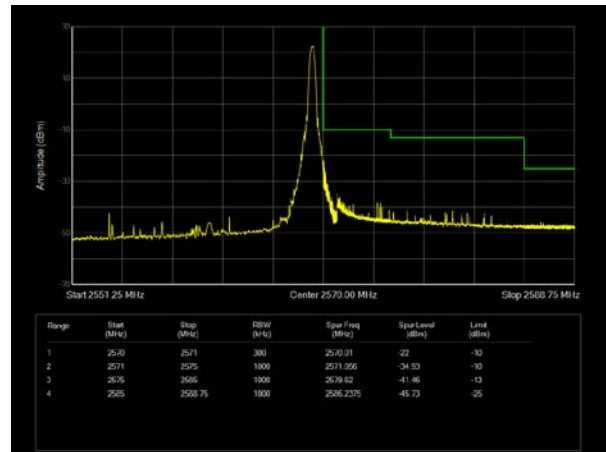




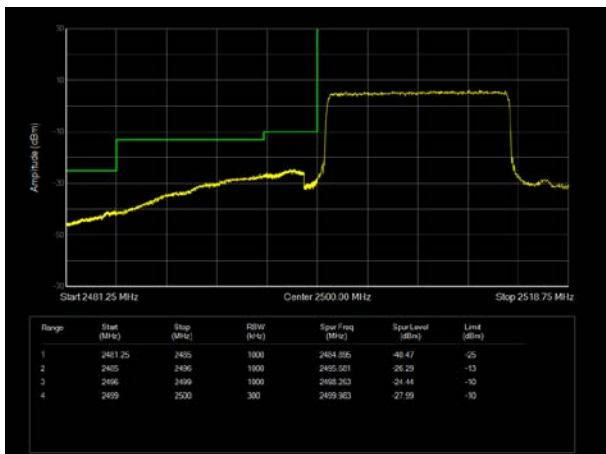
LTE Band 7 16QAM 15MHz CH-Low, 1 RB



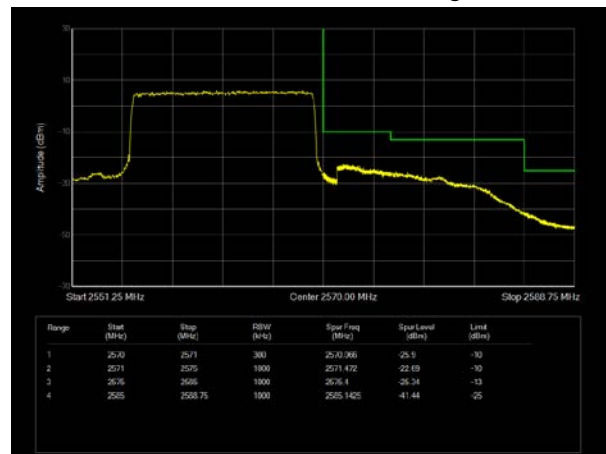
LTE Band 7 16QAM 15MHz CH-High, 1 RB



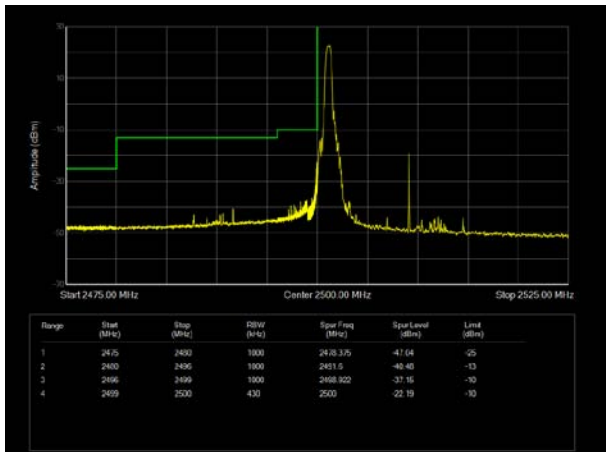
LTE Band 7 16QAM 15MHz CH-Low, 100%RB



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



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



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

