



RF TEST REPORT

Applicant	Bluebird Inc.
FCC ID	SS4CF550
Product	Cost-Effective Full Touch Handheld Computer
Brand	BLUEBIRD
Model	CF550
Report No.	R2111A0957-R3V1
Issue Date	January 26, 2022

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

Prepared by: Peng Tao

Approved by: Kai Xu

TA Technology (Shanghai) Co., Ltd.

No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China

TEL: +86-021-50791141/2/3

FAX: +86-021-50791141/2/3-8000



TABLE OF CONTENT

1	Test Laboratory	5
1.1	Notes of the Test Report	5
1.2.	Test facility	5
1.3	Testing Location	5
2	General Description of Equipment under Test	6
2.1	Applicant and Manufacturer Information	6
2.2	General information	6
3	Applied Standards	8
4	Test Configuration	9
5	Test Case Results	13
5.1	RF Power Output and Effective Isotropic Radiated Power	13
5.2	Occupied Bandwidth	58
5.3	Band Edge Compliance	111
5.4	Peak-to-Average Power Ratio (PAPR)	173
5.5	Frequency Stability	183
5.6	Spurious Emissions at Antenna Terminals	198
5.7	Radiates Spurious Emission	216
6	Main Test Instruments	230
ANNEX A: The EUT Appearance		231
ANNEX B: Test Setup Photos		232



Version	Revision description	Issue Date
Rev.0	Initial issue of report.	January 7, 2022
Rev.1	Update data in Page 188 to Page 191.	January 26, 2022
Note: This revised report (Report No. R1911A0651-R3V1) supersedes and replaces the previously issued report (Report No. R1911A0651-R3). Please discard or destroy the previously issued report and dispose of it accordingly.		



Summary of Measurement Results

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

Date of Testing: November 17, 2021 ~ December 1, 2021

Date of Sample Received: November 9, 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
Country: P. R. China
Contact: Xu Kai
Telephone: +86-021-50791141/2/3
Fax: +86-021-50791141/2/3-8000
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	Bluebird Inc.
Applicant address	3F, 115, Irwon-ro, Gangnam-gu, Seoul, Republic of Korea
Manufacturer	Bluebird Inc.
Manufacturer address	3F, 115, Irwon-ro, Gangnam-gu, Seoul, Republic of Korea

2.2 General information

EUT Description			
Model	CF550		
IMEI	IMEI 1: 358671240002572 IMEI 2: 358671240002580		
Hardware Version	V1.0		
Software Version	20211026_R1.00		
Power Supply	AC adapter		
Antenna Type	Coupling type (LDS)		
Antenna Gain	2dBi		
Test Mode(s)	WCDMA Band IV; LTE Band 4/7/28A/28B/38/40/41;		
Test Modulation	(WCDMA) BPSK, QPSK,16QAM; (LTE)QPSK, 16QAM, 64QAM;		
LTE Category	6		
Maximum E.I.R.P./ E.R.P.	WCDMA Band IV:	22.76dBm	
	LTE Band 4:	25.46dBm	
	LTE Band 7:	24.05dBm	
	LTE band 28 subset 1:	23.37dBm	
	LTE band 28 subset 2:	23.11dBm	
	LTE Band 38:	24.94dBm	
	LTE Band 40 subset 1:	24.71dBm	
	LTE Band 40 subset 2:	24.72dBm	
	LTE Band 41:	25.05dBm	
Rated Power Supply Voltage	3.85V		
Operating Voltage	Minimum: 3.4V Maximum: 4.33V		
Operating Temperature	Lowest: -20°C Highest: +50°C		
Testing Temperature	Lowest: -30°C Highest: +50°C		
Operating Frequency Range(s)	Mode	Tx (MHz)	Rx (MHz)
	WCDMA Band IV	1710 ~ 1755	2110 ~ 2155



Report No.: RPT-2023-001

	LTE Band 4	1710 ~ 1755	2110 ~ 2155
	LTE Band 7	2500 ~ 2570	2620 ~ 2690
	LTE Band 28 subset1	704 ~ 716	759 ~ 771
	LTE Band 28 subset2	728 ~ 746	783 ~ 801
	LTE Band 38	2570 ~ 2620	2570 ~ 2620
	LTE 40 subset 1	2305 ~ 2315	2305 ~ 2315
	LTE 40 subset 2	2350 ~ 2360	2350 ~ 2360
	LTE Band 41	2535 ~ 2655	2535 ~ 2655
EUT Accessory			
Adapter	Manufacturer: Kuantech (Beihai) Co., Ltd. Model: KSA29B0500200D5		
Battery	Manufacturer: Ningbo Veken Battery Co.,Ltd. Model: BAT-435001B		
USB Cable	Manufacturer: GAC Model: GAC-BBD20-002 100cm Cable, Shielded		
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 27 (2020)

FCC CFR47 Part 2 (2020)

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 (Z 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 WCDMA/LTE is set based on the maximum RF Output Power.

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

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

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



Test modes are chosen to be reported as the worst case configuration below for LTE Band
4/7/28A/28B/38/40/41:

Test items	Modes	Bandwidth (MHz)						Modulation		RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM/ 64QAM	1	50%	100%	L	M	H
RF Power Output and Effective Isotropic Radiated Power	LTE 4	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 28 subset1	-	O	O	O	-	-	O	O	O	O	O	O	O	O
	LTE 28 subset 2	-	O	O	O	O	-	O	O	O	O	O	O	O	O
	LTE 38	-	-	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 40 subset 1	-	-	O	O	-	-	O	O	O	O	O	O	O	O
	LTE 40 subset 2	-	-	O	O	-	-	O	O	O	O	O	O	O	O
	LTE 41	-	-	O	O	O	O	O	O	O	O	O	O	O	O
Occupied Bandwidth	LTE 4	O	O	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 28 subset1	-	O	O	O	-	-	O	O	-	-	O	O	O	O
	LTE 28 subset 2	-	O	O	O	O	-	O	O	-	-	O	O	O	O
	LTE 38	-	-	O	O	-	-	O	O	-	-	O	O	O	O
	LTE 40 subset 1	-	-	O	O	-	-	O	O	-	-	O	O	O	O
	LTE 40 subset 2	-	-	O	O	-	-	O	O	-	-	O	O	O	O
	LTE 41	-	-	O	O	O	O	O	O	-	-	O	O	O	O
Band Edge Compliance	LTE 4	O	O	O	O	O	O	O	O	O	-	O	O	-	O
	LTE 7	-	-	O	O	O	O	O	O	O	-	O	O	-	O
	LTE 28 subset1	O	O	O	O	-	-	O	O	O	-	O	O	-	O
	LTE 28 subset 2	-	O	O	O	-	-	O	O	O	-	O	O	-	O
	LTE 38	-	O	O	O	O	-	O	O	O	-	O	O	-	O
	LTE 40 subset 1	-	-	O	O	-	-	O	O	O	-	O	O	-	O
	LTE 40 subset 2	-	-	O	O	-	-	O	O	O	-	O	O	-	O
	LTE 41	-	-	O	O	O	O	O	O	O	-	O	O	-	O
Peak-to-Aver	LTE 4	O	O	O	O	O	O	O	O	-	-	O	O	O	O



age Power Ratio	LTE 7	-	-	0	0	0	0	0	0	-	-	0	0	0	0
	LTE 28 subset1	0	0	0	0	-	-	0	0	-	-	0	0	0	0
	LTE 28 subset 2	-	0	0	0	-	-	0	0	-	-	0	0	0	0
	LTE 38	-	0	0	0	0	-	0	0	-	-	0	0	0	0
	LTE 40 subset 1	-	-	0	0	-	-	0	0	-	-	0	0	0	0
	LTE 40 subset 2	-	-	0	0	-	-	0	0	-	-	0	0	0	0
	LTE 41	-	-	0	0	0	0	0	0	-	-	0	0	0	0
Frequency Stability	LTE 4	0	0	0	0	0	0	0	0	0	-	-	-	0	-
	LTE 7	-	-	0	0	0	0	0	0	0	-	-	-	0	-
	LTE 28 subset1	0	0	0	0	-	-	0	0	0	-	-	-	0	-
	LTE 28 subset 2	-	0	0	0	-	-	0	0	0	-	-	-	0	-
	LTE 38	-	0	0	0	0	-	0	0	0	-	-	-	0	-
	LTE 40 subset 1	-	-	0	0	-	-	0	0	0	-	-	-	0	-
	LTE 40 subset 2	-	-	0	0	-	-	0	0	0	-	-	-	0	-
Spurious Emissions at Antenna Terminals	LTE 41	-	-	0	0	0	0	0	0	0	-	-	-	0	-
	LTE 4	0	0	0	0	0	0	0	-	0	-	-	0	0	0
	LTE 7	-	-	0	0	0	0	0	-	0	-	-	0	0	0
	LTE 28 subset1	0	0	0	0	-	-	0	-	0	-	-	0	0	0
	LTE 28 subset 2	-	0	0	0	-	-	0	-	0	-	-	0	0	0
	LTE 38	-	0	0	0	0	-	0	-	0	-	-	0	0	0
	LTE 40 subset 1	-	-	0	0	-	-	0	-	0	-	-	0	0	0
Radiates Spurious Emission	LTE 40 subset 2	-	-	0	0	-	-	0	-	0	-	-	0	0	0
	LTE 41	-	-	0	0	0	0	0	-	0	-	-	0	0	0
	LTE 4	0	-	0	-	-	0	0	-	0	-	-	-	0	-
	LTE 7	-	-	0	-	-	0	0	-	0	-	-	-	0	-
	LTE 28 subset1	-	0	0	0	-	-	0	-	0	-	-	-	0	-
	LTE 28 subset 2	-	0	0	0	-	-	0	-	0	-	-	-	0	-
	LTE 38	-	0	0	0	0	-	0	-	0	-	-	-	0	-



	LTE 40	-	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 41	-	-	O	-	-	O	O	-	O	-	-	-	O	-
Note	1. The mark "O" means that this configuration is chosen for testing. 2. The mark "-" means that this configuration is not testing.														

5 Test Case 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.

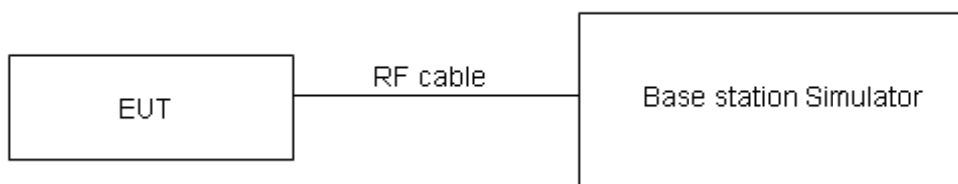
ERP can then be calculated as follows:

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

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

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

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 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.”

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

For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.

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

WCDMA Band IV		Maximum Output Power (dBm)			EIRP (dBm)		
		Channel 1312	Channel 1413	Channel 1513	Channel 1312	Channel 1413	Channel 1513
		1712.4 (MHz)	1732.6 (MHz)	1752.6 (MHz)	1712.4 (MHz)	1732.6 (MHz)	1752.6 (MHz)
RMC		20.76	20.72	20.74	22.76	22.72	22.74
HSDPA	Sub - Test 1	20.22	20.14	20.18	22.22	22.14	22.18
	Sub - Test 2	20.21	20.16	20.15	22.21	22.16	22.15
	Sub - Test 3	19.68	19.66	19.67	21.68	21.66	21.67
	Sub - Test 4	19.69	19.67	19.65	21.69	21.67	21.65
HSUPA	Sub - Test 1	20.18	20.13	20.13	22.18	22.13	22.13
	Sub - Test 2	19.17	19.11	19.12	21.17	21.11	21.12
	Sub - Test 3	19.64	19.59	19.61	21.64	21.59	21.61
	Sub - Test 4	19.10	19.08	19.09	21.1	21.08	21.09
	Sub - Test 5	20.11	20.06	20.07	22.11	22.06	22.07
HSPA+	16QAM	19.65	19.63	19.64	21.65	21.63	21.64



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
LTE Band4	1.4	19957	1	#0	QPSK	23.18	25.18	PASS
	1.4	19957	1	#Mid	QPSK	23.40	25.40	PASS
	1.4	19957	1	#Max	QPSK	23.26	25.26	PASS
	1.4	19957	3	#0	QPSK	23.23	25.23	PASS
	1.4	19957	3	#Mid	QPSK	23.24	25.24	PASS
	1.4	19957	3	#Max	QPSK	23.26	25.26	PASS
	1.4	19957	6	#0	QPSK	22.19	24.19	PASS
	1.4	19957	1	#0	QAM16	22.17	24.17	PASS
	1.4	19957	1	#Mid	QAM16	22.48	24.48	PASS
	1.4	19957	1	#Max	QAM16	22.18	24.18	PASS
	1.4	19957	3	#0	QAM16	22.38	24.38	PASS
	1.4	19957	3	#Mid	QAM16	22.36	24.36	PASS
	1.4	19957	3	#Max	QAM16	22.42	24.42	PASS
	1.4	19957	6	#0	QAM16	21.23	23.23	PASS
	1.4	20175	1	#0	QPSK	23.13	25.13	PASS
	1.4	20175	1	#Mid	QPSK	23.37	25.37	PASS
	1.4	20175	1	#Max	QPSK	23.16	25.16	PASS
	1.4	20175	3	#0	QPSK	23.25	25.25	PASS
	1.4	20175	3	#Mid	QPSK	23.25	25.25	PASS
	1.4	20175	3	#Max	QPSK	23.30	25.30	PASS
	1.4	20175	6	#0	QPSK	22.23	24.23	PASS
	1.4	20175	1	#0	QAM16	22.35	24.35	PASS
	1.4	20175	1	#Mid	QAM16	22.57	24.57	PASS
	1.4	20175	1	#Max	QAM16	22.38	24.38	PASS
	1.4	20175	3	#0	QAM16	22.29	24.29	PASS
	1.4	20175	3	#Mid	QAM16	22.34	24.34	PASS
	1.4	20175	3	#Max	QAM16	22.37	24.37	PASS
	1.4	20175	6	#0	QAM16	21.19	23.19	PASS
	1.4	20393	1	#0	QPSK	23.19	25.19	PASS
	1.4	20393	1	#Mid	QPSK	23.38	25.38	PASS
	1.4	20393	1	#Max	QPSK	23.17	25.17	PASS
	1.4	20393	3	#0	QPSK	23.21	25.21	PASS
	1.4	20393	3	#Mid	QPSK	23.24	25.24	PASS
	1.4	20393	3	#Max	QPSK	23.21	25.21	PASS
	1.4	20393	6	#0	QPSK	22.17	24.17	PASS
	1.4	20393	1	#0	QAM16	22.03	24.03	PASS
	1.4	20393	1	#Mid	QAM16	22.21	24.21	PASS
	1.4	20393	1	#Max	QAM16	22.05	24.05	PASS
	1.4	20393	3	#0	QAM16	22.19	24.19	PASS
	1.4	20393	3	#Mid	QAM16	22.18	24.18	PASS
	1.4	20393	3	#Max	QAM16	22.19	24.19	PASS



1.4	20393	6	#0	QAM16	21.15	23.15	PASS
3	19965	1	#0	QPSK	23.23	25.23	PASS
3	19965	1	#Mid	QPSK	23.29	25.29	PASS
3	19965	1	#Max	QPSK	23.25	25.25	PASS
3	19965	8	#0	QPSK	22.24	24.24	PASS
3	19965	8	#Mid	QPSK	22.22	24.22	PASS
3	19965	8	#Max	QPSK	22.23	24.23	PASS
3	19965	15	#0	QPSK	22.19	24.19	PASS
3	19965	1	#0	QAM16	22.07	24.07	PASS
3	19965	1	#Mid	QAM16	22.13	24.13	PASS
3	19965	1	#Max	QAM16	22.08	24.08	PASS
3	19965	8	#0	QAM16	21.22	23.22	PASS
3	19965	8	#Mid	QAM16	21.25	23.25	PASS
3	19965	8	#Max	QAM16	21.24	23.24	PASS
3	19965	15	#0	QAM16	21.23	23.23	PASS
3	20175	1	#0	QPSK	23.12	25.12	PASS
3	20175	1	#Mid	QPSK	23.17	25.17	PASS
3	20175	1	#Max	QPSK	23.16	25.16	PASS
3	20175	8	#0	QPSK	22.23	24.23	PASS
3	20175	8	#Mid	QPSK	22.23	24.23	PASS
3	20175	8	#Max	QPSK	22.28	24.28	PASS
3	20175	15	#0	QPSK	22.22	24.22	PASS
3	20175	1	#0	QAM16	22.54	24.54	PASS
3	20175	1	#Mid	QAM16	22.54	24.54	PASS
3	20175	1	#Max	QAM16	22.47	24.47	PASS
3	20175	8	#0	QAM16	21.27	23.27	PASS
3	20175	8	#Mid	QAM16	21.24	23.24	PASS
3	20175	8	#Max	QAM16	21.29	23.29	PASS
3	20175	15	#0	QAM16	21.21	23.21	PASS
3	20385	1	#0	QPSK	23.10	25.10	PASS
3	20385	1	#Mid	QPSK	23.11	25.11	PASS
3	20385	1	#Max	QPSK	23.12	25.12	PASS
3	20385	8	#0	QPSK	22.24	24.24	PASS
3	20385	8	#Mid	QPSK	22.20	24.20	PASS
3	20385	8	#Max	QPSK	22.25	24.25	PASS
3	20385	15	#0	QPSK	22.19	24.19	PASS
3	20385	1	#0	QAM16	22.36	24.36	PASS
3	20385	1	#Mid	QAM16	22.39	24.39	PASS
3	20385	1	#Max	QAM16	22.32	24.32	PASS
3	20385	8	#0	QAM16	21.21	23.21	PASS
3	20385	8	#Mid	QAM16	21.20	23.20	PASS
3	20385	8	#Max	QAM16	21.18	23.18	PASS
3	20385	15	#0	QAM16	21.10	23.10	PASS



5	19975	1	#0	QPSK	23.07	25.07	PASS
5	19975	1	#Mid	QPSK	23.21	25.21	PASS
5	19975	1	#Max	QPSK	23.13	25.13	PASS
5	19975	12	#0	QPSK	22.25	24.25	PASS
5	19975	12	#Mid	QPSK	22.26	24.26	PASS
5	19975	12	#Max	QPSK	22.22	24.22	PASS
5	19975	25	#0	QPSK	22.26	24.26	PASS
5	19975	1	#0	QAM16	22.34	24.34	PASS
5	19975	1	#Mid	QAM16	22.44	24.44	PASS
5	19975	1	#Max	QAM16	22.31	24.31	PASS
5	19975	12	#0	QAM16	21.18	23.18	PASS
5	19975	12	#Mid	QAM16	21.20	23.20	PASS
5	19975	12	#Max	QAM16	21.19	23.19	PASS
5	19975	25	#0	QAM16	21.22	23.22	PASS
5	20175	1	#0	QPSK	23.05	25.05	PASS
5	20175	1	#Mid	QPSK	23.22	25.22	PASS
5	20175	1	#Max	QPSK	23.02	25.02	PASS
5	20175	12	#0	QPSK	22.21	24.21	PASS
5	20175	12	#Mid	QPSK	22.20	24.20	PASS
5	20175	12	#Max	QPSK	22.28	24.28	PASS
5	20175	25	#0	QPSK	22.27	24.27	PASS
5	20175	1	#0	QAM16	22.41	24.41	PASS
5	20175	1	#Mid	QAM16	22.48	24.48	PASS
5	20175	1	#Max	QAM16	22.36	24.36	PASS
5	20175	12	#0	QAM16	21.32	23.32	PASS
5	20175	12	#Mid	QAM16	21.32	23.32	PASS
5	20175	12	#Max	QAM16	21.31	23.31	PASS
5	20175	25	#0	QAM16	21.33	23.33	PASS
5	20375	1	#0	QPSK	23.07	25.07	PASS
5	20375	1	#Mid	QPSK	23.21	25.21	PASS
5	20375	1	#Max	QPSK	23.05	25.05	PASS
5	20375	12	#0	QPSK	22.22	24.22	PASS
5	20375	12	#Mid	QPSK	22.23	24.23	PASS
5	20375	12	#Max	QPSK	22.17	24.17	PASS
5	20375	25	#0	QPSK	22.22	24.22	PASS
5	20375	1	#0	QAM16	22.37	24.37	PASS
5	20375	1	#Mid	QAM16	22.50	24.50	PASS
5	20375	1	#Max	QAM16	22.34	24.34	PASS
5	20375	12	#0	QAM16	21.18	23.18	PASS
5	20375	12	#Mid	QAM16	21.22	23.22	PASS
5	20375	12	#Max	QAM16	21.12	23.12	PASS
5	20375	25	#0	QAM16	21.26	23.26	PASS
10	20000	1	#0	QPSK	23.15	25.15	PASS



10	20000	1	#Mid	QPSK	23.33	25.33	PASS
10	20000	1	#Max	QPSK	23.21	25.21	PASS
10	20000	25	#0	QPSK	22.29	24.29	PASS
10	20000	25	#Mid	QPSK	22.27	24.27	PASS
10	20000	25	#Max	QPSK	22.30	24.30	PASS
10	20000	50	#0	QPSK	22.27	24.27	PASS
10	20000	1	#0	QAM16	22.35	24.35	PASS
10	20000	1	#Mid	QAM16	22.53	24.53	PASS
10	20000	1	#Max	QAM16	22.38	24.38	PASS
10	20000	25	#0	QAM16	21.36	23.36	PASS
10	20000	25	#Mid	QAM16	21.35	23.35	PASS
10	20000	25	#Max	QAM16	21.36	23.36	PASS
10	20000	50	#0	QAM16	21.29	23.29	PASS
10	20175	1	#0	QPSK	23.26	25.26	PASS
10	20175	1	#Mid	QPSK	23.46	25.46	PASS
10	20175	1	#Max	QPSK	23.28	25.28	PASS
10	20175	25	#0	QPSK	22.27	24.27	PASS
10	20175	25	#Mid	QPSK	22.26	24.26	PASS
10	20175	25	#Max	QPSK	22.33	24.33	PASS
10	20175	50	#0	QPSK	22.30	24.30	PASS
10	20175	1	#0	QAM16	22.11	24.11	PASS
10	20175	1	#Mid	QAM16	22.27	24.27	PASS
10	20175	1	#Max	QAM16	22.07	24.07	PASS
10	20175	25	#0	QAM16	21.31	23.31	PASS
10	20175	25	#Mid	QAM16	21.33	23.33	PASS
10	20175	25	#Max	QAM16	21.37	23.37	PASS
10	20175	50	#0	QAM16	21.36	23.36	PASS
10	20350	1	#0	QPSK	23.15	25.15	PASS
10	20350	1	#Mid	QPSK	23.25	25.25	PASS
10	20350	1	#Max	QPSK	23.09	25.09	PASS
10	20350	25	#0	QPSK	22.32	24.32	PASS
10	20350	25	#Mid	QPSK	22.31	24.31	PASS
10	20350	25	#Max	QPSK	22.17	24.17	PASS
10	20350	50	#0	QPSK	22.25	24.25	PASS
10	20350	1	#0	QAM16	22.47	24.47	PASS
10	20350	1	#Mid	QAM16	22.56	24.56	PASS
10	20350	1	#Max	QAM16	22.39	24.39	PASS
10	20350	25	#0	QAM16	21.40	23.40	PASS
10	20350	25	#Mid	QAM16	21.42	23.42	PASS
10	20350	25	#Max	QAM16	21.24	23.24	PASS
10	20350	50	#0	QAM16	21.28	23.28	PASS
15	20025	1	#0	QPSK	23.06	25.06	PASS
15	20025	1	#Mid	QPSK	23.24	25.24	PASS



15	20025	1	#Max	QPSK	23.14	25.14	PASS
15	20025	36	#0	QPSK	22.27	24.27	PASS
15	20025	36	#Mid	QPSK	22.26	24.26	PASS
15	20025	36	#Max	QPSK	22.25	24.25	PASS
15	20025	75	#0	QPSK	22.29	24.29	PASS
15	20025	1	#0	QAM16	22.16	24.16	PASS
15	20025	1	#Mid	QAM16	22.29	24.29	PASS
15	20025	1	#Max	QAM16	22.18	24.18	PASS
15	20025	36	#0	QAM16	21.24	23.24	PASS
15	20025	36	#Mid	QAM16	21.21	23.21	PASS
15	20025	36	#Max	QAM16	21.24	23.24	PASS
15	20025	75	#0	QAM16	21.28	23.28	PASS
15	20175	1	#0	QPSK	23.01	25.01	PASS
15	20175	1	#Mid	QPSK	23.18	25.18	PASS
15	20175	1	#Max	QPSK	23.12	25.12	PASS
15	20175	36	#0	QPSK	22.27	24.27	PASS
15	20175	36	#Mid	QPSK	22.25	24.25	PASS
15	20175	36	#Max	QPSK	22.27	24.27	PASS
15	20175	75	#0	QPSK	22.28	24.28	PASS
15	20175	1	#0	QAM16	22.34	24.34	PASS
15	20175	1	#Mid	QAM16	22.50	24.50	PASS
15	20175	1	#Max	QAM16	22.37	24.37	PASS
15	20175	36	#0	QAM16	21.26	23.26	PASS
15	20175	36	#Mid	QAM16	21.30	23.30	PASS
15	20175	36	#Max	QAM16	21.34	23.34	PASS
15	20175	75	#0	QAM16	21.32	23.32	PASS
15	20325	1	#0	QPSK	23.07	25.07	PASS
15	20325	1	#Mid	QPSK	23.22	25.22	PASS
15	20325	1	#Max	QPSK	23.05	25.05	PASS
15	20325	36	#0	QPSK	22.30	24.30	PASS
15	20325	36	#Mid	QPSK	22.31	24.31	PASS
15	20325	36	#Max	QPSK	22.23	24.23	PASS
15	20325	75	#0	QPSK	22.27	24.27	PASS
15	20325	1	#0	QAM16	22.30	24.30	PASS
15	20325	1	#Mid	QAM16	22.38	24.38	PASS
15	20325	1	#Max	QAM16	22.21	24.21	PASS
15	20325	36	#0	QAM16	21.27	23.27	PASS
15	20325	36	#Mid	QAM16	21.26	23.26	PASS
15	20325	36	#Max	QAM16	21.16	23.16	PASS
15	20325	75	#0	QAM16	21.26	23.26	PASS
20	20050	1	#0	QPSK	22.88	24.88	PASS
20	20050	1	#Mid	QPSK	23.35	25.35	PASS
20	20050	1	#Max	QPSK	22.94	24.94	PASS



20	20050	50	#0	QPSK	22.25	24.25	PASS
20	20050	50	#Mid	QPSK	22.23	24.23	PASS
20	20050	50	#Max	QPSK	22.20	24.20	PASS
20	20050	100	#0	QPSK	22.27	24.27	PASS
20	20050	1	#0	QAM16	22.40	24.40	PASS
20	20050	1	#Mid	QAM16	22.12	24.12	PASS
20	20050	1	#Max	QAM16	21.35	23.35	PASS
20	20050	50	#0	QAM16	21.76	23.76	PASS
20	20050	50	#Mid	QAM16	21.76	23.76	PASS
20	20050	50	#Max	QAM16	20.64	22.64	PASS
20	20050	100	#0	QAM16	21.34	23.34	PASS
20	20175	1	#0	QPSK	22.32	24.32	PASS
20	20175	1	#Mid	QPSK	22.58	24.58	PASS
20	20175	1	#Max	QPSK	22.54	24.54	PASS
20	20175	50	#0	QPSK	21.24	23.24	PASS
20	20175	50	#Mid	QPSK	21.27	23.27	PASS
20	20175	50	#Max	QPSK	21.61	23.61	PASS
20	20175	100	#0	QPSK	21.44	23.44	PASS
20	20175	1	#0	QAM16	21.19	23.19	PASS
20	20175	1	#Mid	QAM16	21.39	23.39	PASS
20	20175	1	#Max	QAM16	21.33	23.33	PASS
20	20175	50	#0	QAM16	20.26	22.26	PASS
20	20175	50	#Mid	QAM16	20.28	22.28	PASS
20	20175	50	#Max	QAM16	20.62	22.62	PASS
20	20175	100	#0	QAM16	20.57	22.57	PASS
20	20300	1	#0	QPSK	22.93	24.93	PASS
20	20300	1	#Mid	QPSK	23.31	25.31	PASS
20	20300	1	#Max	QPSK	22.88	24.88	PASS
20	20300	50	#0	QPSK	22.21	24.21	PASS
20	20300	50	#Mid	QPSK	22.25	24.25	PASS
20	20300	50	#Max	QPSK	22.06	24.06	PASS
20	20300	100	#0	QPSK	22.18	24.18	PASS
20	20300	1	#0	QAM16	21.69	23.69	PASS
20	20300	1	#Mid	QAM16	22.04	24.04	PASS
20	20300	1	#Max	QAM16	21.66	23.66	PASS
20	20300	50	#0	QAM16	21.27	23.27	PASS
20	20300	50	#Mid	QAM16	21.25	23.25	PASS
20	20300	50	#Max	QAM16	21.13	23.13	PASS
20	20300	100	#0	QAM16	21.17	23.17	PASS
1.4	19957	1	#0	QAM64	21.14	23.14	PASS
1.4	19957	1	#Mid	QAM64	21.42	23.42	PASS
1.4	19957	1	#Max	QAM64	21.13	23.13	PASS
1.4	19957	3	#0	QAM64	21.37	23.37	PASS



1.4	19957	3	#Mid	QAM64	21.38	23.38	PASS
1.4	19957	3	#Max	QAM64	21.42	23.42	PASS
1.4	19957	6	#0	QAM64	20.14	22.14	PASS
1.4	20175	1	#0	QAM64	21.28	23.28	PASS
1.4	20175	1	#Mid	QAM64	21.50	23.50	PASS
1.4	20175	1	#Max	QAM64	21.32	23.32	PASS
1.4	20175	3	#0	QAM64	21.23	23.23	PASS
1.4	20175	3	#Mid	QAM64	21.24	23.24	PASS
1.4	20175	3	#Max	QAM64	21.27	23.27	PASS
1.4	20175	6	#0	QAM64	20.13	22.13	PASS
1.4	20393	1	#0	QAM64	20.95	22.95	PASS
1.4	20393	1	#Mid	QAM64	21.18	23.18	PASS
1.4	20393	1	#Max	QAM64	20.97	22.97	PASS
1.4	20393	3	#0	QAM64	21.13	23.13	PASS
1.4	20393	3	#Mid	QAM64	21.13	23.13	PASS
1.4	20393	3	#Max	QAM64	21.12	23.12	PASS
1.4	20393	6	#0	QAM64	20.07	22.07	PASS
3	19965	1	#0	QAM64	21.50	23.50	PASS
3	19965	1	#Mid	QAM64	21.46	23.46	PASS
3	19965	1	#Max	QAM64	21.42	23.42	PASS
3	19965	8	#0	QAM64	20.18	22.18	PASS
3	19965	8	#Mid	QAM64	20.17	22.17	PASS
3	19965	8	#Max	QAM64	20.24	22.24	PASS
3	19965	15	#0	QAM64	20.13	22.13	PASS
3	20175	1	#0	QAM64	21.40	23.40	PASS
3	20175	1	#Mid	QAM64	21.36	23.36	PASS
3	20175	1	#Max	QAM64	21.34	23.34	PASS
3	20175	8	#0	QAM64	20.20	22.20	PASS
3	20175	8	#Mid	QAM64	20.22	22.22	PASS
3	20175	8	#Max	QAM64	20.22	22.22	PASS
3	20175	15	#0	QAM64	20.11	22.11	PASS
3	20385	1	#0	QAM64	20.98	22.98	PASS
3	20385	1	#Mid	QAM64	21.07	23.07	PASS
3	20385	1	#Max	QAM64	21.02	23.02	PASS
3	20385	8	#0	QAM64	20.17	22.17	PASS
3	20385	8	#Mid	QAM64	20.18	22.18	PASS
3	20385	8	#Max	QAM64	20.17	22.17	PASS
3	20385	15	#0	QAM64	20.15	22.15	PASS
5	19975	1	#0	QAM64	21.26	23.26	PASS
5	19975	1	#Mid	QAM64	21.39	23.39	PASS
5	19975	1	#Max	QAM64	21.30	23.30	PASS
5	19975	12	#0	QAM64	20.13	22.13	PASS
5	19975	12	#Mid	QAM64	20.14	22.14	PASS



5	19975	12	#Max	QAM64	20.17	22.17	PASS
5	19975	25	#0	QAM64	20.18	22.18	PASS
5	20175	1	#0	QAM64	21.36	23.36	PASS
5	20175	1	#Mid	QAM64	21.52	23.52	PASS
5	20175	1	#Max	QAM64	21.33	23.33	PASS
5	20175	12	#0	QAM64	20.28	22.28	PASS
5	20175	12	#Mid	QAM64	20.26	22.26	PASS
5	20175	12	#Max	QAM64	20.22	22.22	PASS
5	20175	25	#0	QAM64	20.28	22.28	PASS
5	20375	1	#0	QAM64	21.34	23.34	PASS
5	20375	1	#Mid	QAM64	21.45	23.45	PASS
5	20375	1	#Max	QAM64	21.36	23.36	PASS
5	20375	12	#0	QAM64	20.19	22.19	PASS
5	20375	12	#Mid	QAM64	20.16	22.16	PASS
5	20375	12	#Max	QAM64	20.06	22.06	PASS
5	20375	25	#0	QAM64	20.21	22.21	PASS
10	20000	1	#0	QAM64	21.03	23.03	PASS
10	20000	1	#Mid	QAM64	21.30	23.30	PASS
10	20000	1	#Max	QAM64	21.07	23.07	PASS
10	20000	25	#0	QAM64	20.29	22.29	PASS
10	20000	25	#Mid	QAM64	20.31	22.31	PASS
10	20000	25	#Max	QAM64	20.26	22.26	PASS
10	20000	50	#0	QAM64	20.30	22.30	PASS
10	20175	1	#0	QAM64	21.49	23.49	PASS
10	20175	1	#Mid	QAM64	21.63	23.63	PASS
10	20175	1	#Max	QAM64	21.45	23.45	PASS
10	20175	25	#0	QAM64	20.37	22.37	PASS
10	20175	25	#Mid	QAM64	20.40	22.40	PASS
10	20175	25	#Max	QAM64	20.39	22.39	PASS
10	20175	50	#0	QAM64	20.32	22.32	PASS
10	20350	1	#0	QAM64	21.39	23.39	PASS
10	20350	1	#Mid	QAM64	21.50	23.50	PASS
10	20350	1	#Max	QAM64	21.28	23.28	PASS
10	20350	25	#0	QAM64	20.35	22.35	PASS
10	20350	25	#Mid	QAM64	20.33	22.33	PASS
10	20350	25	#Max	QAM64	20.16	22.16	PASS
10	20350	50	#0	QAM64	20.17	22.17	PASS
15	20025	1	#0	QAM64	21.31	23.31	PASS
15	20025	1	#Mid	QAM64	21.43	23.43	PASS
15	20025	1	#Max	QAM64	21.38	23.38	PASS
15	20025	36	#0	QAM64	20.23	22.23	PASS
15	20025	36	#Mid	QAM64	20.25	22.25	PASS
15	20025	36	#Max	QAM64	20.20	22.20	PASS



15	20025	75	#0	QAM64	20.23	22.23	PASS
15	20175	1	#0	QAM64	21.22	23.22	PASS
15	20175	1	#Mid	QAM64	21.37	23.37	PASS
15	20175	1	#Max	QAM64	21.27	23.27	PASS
15	20175	36	#0	QAM64	20.20	22.20	PASS
15	20175	36	#Mid	QAM64	20.20	22.20	PASS
15	20175	36	#Max	QAM64	20.22	22.22	PASS
15	20175	75	#0	QAM64	20.25	22.25	PASS
15	20325	1	#0	QAM64	21.15	23.15	PASS
15	20325	1	#Mid	QAM64	21.24	23.24	PASS
15	20325	1	#Max	QAM64	21.07	23.07	PASS
15	20325	36	#0	QAM64	20.17	22.17	PASS
15	20325	36	#Mid	QAM64	20.18	22.18	PASS
15	20325	36	#Max	QAM64	20.06	22.06	PASS
15	20325	75	#0	QAM64	20.19	22.19	PASS
20	20050	1	#0	QAM64	20.79	22.79	PASS
20	20050	1	#Mid	QAM64	21.24	23.24	PASS
20	20050	1	#Max	QAM64	20.87	22.87	PASS
20	20050	50	#0	QAM64	20.29	22.29	PASS
20	20050	50	#Mid	QAM64	20.23	22.23	PASS
20	20050	50	#Max	QAM64	20.25	22.25	PASS
20	20050	100	#0	QAM64	20.25	22.25	PASS
20	20175	1	#0	QAM64	20.66	22.66	PASS
20	20175	1	#Mid	QAM64	21.15	23.15	PASS
20	20175	1	#Max	QAM64	20.67	22.67	PASS
20	20175	50	#0	QAM64	20.26	22.26	PASS
20	20175	50	#Mid	QAM64	20.28	22.28	PASS
20	20175	50	#Max	QAM64	20.28	22.28	PASS
20	20175	100	#0	QAM64	20.25	22.25	PASS
20	20300	1	#0	QAM64	21.12	23.12	PASS
20	20300	1	#Mid	QAM64	21.56	23.56	PASS
20	20300	1	#Max	QAM64	21.02	23.02	PASS
20	20300	50	#0	QAM64	20.24	22.24	PASS
20	20300	50	#Mid	QAM64	20.21	22.21	PASS
20	20300	50	#Max	QAM64	20.04	22.04	PASS
20	20300	100	#0	QAM64	20.12	22.12	PASS



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
LTE band 7	5	20775	1	#0	QPSK	21.70	23.70	PASS
	5	20775	1	#Mid	QPSK	21.86	23.86	PASS
	5	20775	1	#Max	QPSK	21.76	23.76	PASS
	5	20775	12	#0	QPSK	20.81	22.81	PASS
	5	20775	12	#Mid	QPSK	20.82	22.82	PASS
	5	20775	12	#Max	QPSK	20.79	22.79	PASS
	5	20775	25	#0	QPSK	20.86	22.86	PASS
	5	20775	1	#0	QAM16	20.91	22.91	PASS
	5	20775	1	#Mid	QAM16	21.07	23.07	PASS
	5	20775	1	#Max	QAM16	20.91	22.91	PASS
	5	20775	12	#0	QAM16	19.75	21.75	PASS
	5	20775	12	#Mid	QAM16	19.78	21.78	PASS
	5	20775	12	#Max	QAM16	19.76	21.76	PASS
	5	20775	25	#0	QAM16	19.82	21.82	PASS
	5	21100	1	#0	QPSK	21.55	23.55	PASS
	5	21100	1	#Mid	QPSK	21.72	23.72	PASS
	5	21100	1	#Max	QPSK	21.58	23.58	PASS
	5	21100	12	#0	QPSK	20.67	22.67	PASS
	5	21100	12	#Mid	QPSK	20.69	22.69	PASS
	5	21100	12	#Max	QPSK	20.71	22.71	PASS
	5	21100	25	#0	QPSK	20.72	22.72	PASS
	5	21100	1	#0	QAM16	20.86	22.86	PASS
	5	21100	1	#Mid	QAM16	21.00	23.00	PASS
	5	21100	1	#Max	QAM16	20.86	22.86	PASS
	5	21100	12	#0	QAM16	19.70	21.70	PASS
	5	21100	12	#Mid	QAM16	19.70	21.70	PASS
	5	21100	12	#Max	QAM16	19.70	21.70	PASS
	5	21100	25	#0	QAM16	19.74	21.74	PASS
	5	21425	1	#0	QPSK	21.69	23.69	PASS
	5	21425	1	#Mid	QPSK	21.84	23.84	PASS
	5	21425	1	#Max	QPSK	21.73	23.73	PASS
	5	21425	12	#0	QPSK	20.86	22.86	PASS
	5	21425	12	#Mid	QPSK	20.81	22.81	PASS
	5	21425	12	#Max	QPSK	20.83	22.83	PASS
	5	21425	25	#0	QPSK	20.85	22.85	PASS
	5	21425	1	#0	QAM16	21.02	23.02	PASS
	5	21425	1	#Mid	QAM16	21.14	23.14	PASS
	5	21425	1	#Max	QAM16	21.01	23.01	PASS
	5	21425	12	#0	QAM16	19.79	21.79	PASS
	5	21425	12	#Mid	QAM16	19.80	21.80	PASS
	5	21425	12	#Max	QAM16	19.78	21.78	PASS



5	21425	25	#0	QAM16	19.88	21.88	PASS
10	20800	1	#0	QPSK	21.71	23.71	PASS
10	20800	1	#Mid	QPSK	21.94	23.94	PASS
10	20800	1	#Max	QPSK	21.73	23.73	PASS
10	20800	25	#0	QPSK	20.83	22.83	PASS
10	20800	25	#Mid	QPSK	20.83	22.83	PASS
10	20800	25	#Max	QPSK	20.90	22.90	PASS
10	20800	50	#0	QPSK	20.86	22.86	PASS
10	20800	1	#0	QAM16	21.08	23.08	PASS
10	20800	1	#Mid	QAM16	21.21	23.21	PASS
10	20800	1	#Max	QAM16	21.05	23.05	PASS
10	20800	25	#0	QAM16	19.88	21.88	PASS
10	20800	25	#Mid	QAM16	19.89	21.89	PASS
10	20800	25	#Max	QAM16	19.95	21.95	PASS
10	20800	50	#0	QAM16	19.87	21.87	PASS
10	21100	1	#0	QPSK	21.65	23.65	PASS
10	21100	1	#Mid	QPSK	21.87	23.87	PASS
10	21100	1	#Max	QPSK	21.70	23.70	PASS
10	21100	25	#0	QPSK	20.76	22.76	PASS
10	21100	25	#Mid	QPSK	20.74	22.74	PASS
10	21100	25	#Max	QPSK	20.78	22.78	PASS
10	21100	50	#0	QPSK	20.74	22.74	PASS
10	21100	1	#0	QAM16	20.82	22.82	PASS
10	21100	1	#Mid	QAM16	21.01	23.01	PASS
10	21100	1	#Max	QAM16	20.89	22.89	PASS
10	21100	25	#0	QAM16	19.77	21.77	PASS
10	21100	25	#Mid	QAM16	19.76	21.76	PASS
10	21100	25	#Max	QAM16	19.82	21.82	PASS
10	21100	50	#0	QAM16	19.72	21.72	PASS
10	21400	1	#0	QPSK	21.85	23.85	PASS
10	21400	1	#Mid	QPSK	22.05	24.05	PASS
10	21400	1	#Max	QPSK	21.86	23.86	PASS
10	21400	25	#0	QPSK	20.86	22.86	PASS
10	21400	25	#Mid	QPSK	20.85	22.85	PASS
10	21400	25	#Max	QPSK	20.88	22.88	PASS
10	21400	50	#0	QPSK	20.82	22.82	PASS
10	21400	1	#0	QAM16	20.62	22.62	PASS
10	21400	1	#Mid	QAM16	20.82	22.82	PASS
10	21400	1	#Max	QAM16	20.67	22.67	PASS
10	21400	25	#0	QAM16	19.85	21.85	PASS
10	21400	25	#Mid	QAM16	19.83	21.83	PASS
10	21400	25	#Max	QAM16	19.87	21.87	PASS
10	21400	50	#0	QAM16	19.83	21.83	PASS



15	20825	1	#0	QPSK	21.61	23.61	PASS
15	20825	1	#Mid	QPSK	21.75	23.75	PASS
15	20825	1	#Max	QPSK	21.59	23.59	PASS
15	20825	36	#0	QPSK	20.76	22.76	PASS
15	20825	36	#Mid	QPSK	20.77	22.77	PASS
15	20825	36	#Max	QPSK	20.82	22.82	PASS
15	20825	75	#0	QPSK	20.81	22.81	PASS
15	20825	1	#0	QAM16	20.87	22.87	PASS
15	20825	1	#Mid	QAM16	21.06	23.06	PASS
15	20825	1	#Max	QAM16	20.93	22.93	PASS
15	20825	36	#0	QAM16	19.72	21.72	PASS
15	20825	36	#Mid	QAM16	19.74	21.74	PASS
15	20825	36	#Max	QAM16	19.82	21.82	PASS
15	20825	75	#0	QAM16	19.82	21.82	PASS
15	21100	1	#0	QPSK	21.51	23.51	PASS
15	21100	1	#Mid	QPSK	21.72	23.72	PASS
15	21100	1	#Max	QPSK	21.63	23.63	PASS
15	21100	36	#0	QPSK	20.72	22.72	PASS
15	21100	36	#Mid	QPSK	20.73	22.73	PASS
15	21100	36	#Max	QPSK	20.77	22.77	PASS
15	21100	75	#0	QPSK	20.73	22.73	PASS
15	21100	1	#0	QAM16	20.66	22.66	PASS
15	21100	1	#Mid	QAM16	20.86	22.86	PASS
15	21100	1	#Max	QAM16	20.81	22.81	PASS
15	21100	36	#0	QAM16	19.68	21.68	PASS
15	21100	36	#Mid	QAM16	19.72	21.72	PASS
15	21100	36	#Max	QAM16	19.73	21.73	PASS
15	21100	75	#0	QAM16	19.69	21.69	PASS
15	21375	1	#0	QPSK	21.74	23.74	PASS
15	21375	1	#Mid	QPSK	21.87	23.87	PASS
15	21375	1	#Max	QPSK	21.79	23.79	PASS
15	21375	36	#0	QPSK	20.87	22.87	PASS
15	21375	36	#Mid	QPSK	20.86	22.86	PASS
15	21375	36	#Max	QPSK	20.91	22.91	PASS
15	21375	75	#0	QPSK	20.88	22.88	PASS
15	21375	1	#0	QAM16	20.74	22.74	PASS
15	21375	1	#Mid	QAM16	20.91	22.91	PASS
15	21375	1	#Max	QAM16	20.74	22.74	PASS
15	21375	36	#0	QAM16	19.81	21.81	PASS
15	21375	36	#Mid	QAM16	19.84	21.84	PASS
15	21375	36	#Max	QAM16	19.83	21.83	PASS
15	21375	75	#0	QAM16	19.83	21.83	PASS
20	20850	1	#0	QPSK	21.46	23.46	PASS



20	20850	1	#Mid	QPSK	21.95	23.95	PASS
20	20850	1	#Max	QPSK	21.41	23.41	PASS
20	20850	50	#0	QPSK	20.61	22.61	PASS
20	20850	50	#Mid	QPSK	20.64	22.64	PASS
20	20850	50	#Max	QPSK	20.76	22.76	PASS
20	20850	100	#0	QPSK	20.68	22.68	PASS
20	20850	1	#0	QAM16	20.25	22.25	PASS
20	20850	1	#Mid	QAM16	20.65	22.65	PASS
20	20850	1	#Max	QAM16	20.22	22.22	PASS
20	20850	50	#0	QAM16	19.64	21.64	PASS
20	20850	50	#Mid	QAM16	19.68	21.68	PASS
20	20850	50	#Max	QAM16	19.83	21.83	PASS
20	20850	100	#0	QAM16	19.68	21.68	PASS
20	21100	1	#0	QPSK	21.27	23.27	PASS
20	21100	1	#Mid	QPSK	21.81	23.81	PASS
20	21100	1	#Max	QPSK	21.49	23.49	PASS
20	21100	50	#0	QPSK	20.66	22.66	PASS
20	21100	50	#Mid	QPSK	20.66	22.66	PASS
20	21100	50	#Max	QPSK	20.72	22.72	PASS
20	21100	100	#0	QPSK	20.67	22.67	PASS
20	21100	1	#0	QAM16	20.44	22.44	PASS
20	21100	1	#Mid	QAM16	21.04	23.04	PASS
20	21100	1	#Max	QAM16	20.71	22.71	PASS
20	21100	50	#0	QAM16	19.72	21.72	PASS
20	21100	50	#Mid	QAM16	19.69	21.69	PASS
20	21100	50	#Max	QAM16	19.79	21.79	PASS
20	21100	100	#0	QAM16	19.68	21.68	PASS
20	21350	1	#0	QPSK	21.52	23.52	PASS
20	21350	1	#Mid	QPSK	22.05	24.05	PASS
20	21350	1	#Max	QPSK	21.61	23.61	PASS
20	21350	50	#0	QPSK	20.80	22.80	PASS
20	21350	50	#Mid	QPSK	20.83	22.83	PASS
20	21350	50	#Max	QPSK	20.74	22.74	PASS
20	21350	100	#0	QPSK	20.78	22.78	PASS
20	21350	1	#0	QAM16	20.35	22.35	PASS
20	21350	1	#Mid	QAM16	20.89	22.89	PASS
20	21350	1	#Max	QAM16	20.45	22.45	PASS
20	21350	50	#0	QAM16	19.77	21.77	PASS
20	21350	50	#Mid	QAM16	19.81	21.81	PASS
20	21350	50	#Max	QAM16	19.74	21.74	PASS
20	21350	100	#0	QAM16	19.79	21.79	PASS
5	20775	1	#0	QAM64	20.45	22.45	PASS
5	20775	1	#Mid	QAM64	20.56	22.56	PASS



5	20775	1	#Max	QAM64	20.45	22.45	PASS
5	20775	12	#0	QAM64	19.28	21.28	PASS
5	20775	12	#Mid	QAM64	19.28	21.28	PASS
5	20775	12	#Max	QAM64	19.31	21.31	PASS
5	20775	25	#0	QAM64	19.33	21.33	PASS
5	21100	1	#0	QAM64	20.40	22.40	PASS
5	21100	1	#Mid	QAM64	20.57	22.57	PASS
5	21100	1	#Max	QAM64	20.44	22.44	PASS
5	21100	12	#0	QAM64	19.15	21.15	PASS
5	21100	12	#Mid	QAM64	19.17	21.17	PASS
5	21100	12	#Max	QAM64	19.16	21.16	PASS
5	21100	25	#0	QAM64	19.24	21.24	PASS
5	21425	1	#0	QAM64	20.43	22.43	PASS
5	21425	1	#Mid	QAM64	20.59	22.59	PASS
5	21425	1	#Max	QAM64	20.44	22.44	PASS
5	21425	12	#0	QAM64	19.30	21.30	PASS
5	21425	12	#Mid	QAM64	19.24	21.24	PASS
5	21425	12	#Max	QAM64	19.29	21.29	PASS
5	21425	25	#0	QAM64	19.33	21.33	PASS
10	20800	1	#0	QAM64	20.55	22.55	PASS
10	20800	1	#Mid	QAM64	20.73	22.73	PASS
10	20800	1	#Max	QAM64	20.53	22.53	PASS
10	20800	25	#0	QAM64	19.38	21.38	PASS
10	20800	25	#Mid	QAM64	19.39	21.39	PASS
10	20800	25	#Max	QAM64	19.43	21.43	PASS
10	20800	50	#0	QAM64	19.41	21.41	PASS
10	21100	1	#0	QAM64	20.33	22.33	PASS
10	21100	1	#Mid	QAM64	20.59	22.59	PASS
10	21100	1	#Max	QAM64	20.39	22.39	PASS
10	21100	25	#0	QAM64	19.30	21.30	PASS
10	21100	25	#Mid	QAM64	19.30	21.30	PASS
10	21100	25	#Max	QAM64	19.28	21.28	PASS
10	21100	50	#0	QAM64	19.24	21.24	PASS
10	21400	1	#0	QAM64	20.13	22.13	PASS
10	21400	1	#Mid	QAM64	20.35	22.35	PASS
10	21400	1	#Max	QAM64	20.16	22.16	PASS
10	21400	25	#0	QAM64	19.39	21.39	PASS
10	21400	25	#Mid	QAM64	19.39	21.39	PASS
10	21400	25	#Max	QAM64	19.38	21.38	PASS
10	21400	50	#0	QAM64	19.33	21.33	PASS
15	20825	1	#0	QAM64	20.43	22.43	PASS
15	20825	1	#Mid	QAM64	20.56	22.56	PASS
15	20825	1	#Max	QAM64	20.41	22.41	PASS



15	20825	36	#0	QAM64	19.26	21.26	PASS
15	20825	36	#Mid	QAM64	19.25	21.25	PASS
15	20825	36	#Max	QAM64	19.32	21.32	PASS
15	20825	75	#0	QAM64	19.32	21.32	PASS
15	21100	1	#0	QAM64	20.13	22.13	PASS
15	21100	1	#Mid	QAM64	20.39	22.39	PASS
15	21100	1	#Max	QAM64	20.34	22.34	PASS
15	21100	36	#0	QAM64	19.18	21.18	PASS
15	21100	36	#Mid	QAM64	19.20	21.20	PASS
15	21100	36	#Max	QAM64	19.22	21.22	PASS
15	21100	75	#0	QAM64	19.23	21.23	PASS
15	21375	1	#0	QAM64	20.21	22.21	PASS
15	21375	1	#Mid	QAM64	20.39	22.39	PASS
15	21375	1	#Max	QAM64	20.22	22.22	PASS
15	21375	36	#0	QAM64	19.35	21.35	PASS
15	21375	36	#Mid	QAM64	19.33	21.33	PASS
15	21375	36	#Max	QAM64	19.27	21.27	PASS
15	21375	75	#0	QAM64	19.33	21.33	PASS
20	20850	1	#0	QAM64	20.15	22.15	PASS
20	20850	1	#Mid	QAM64	20.65	22.65	PASS
20	20850	1	#Max	QAM64	20.09	22.09	PASS
20	20850	50	#0	QAM64	19.16	21.16	PASS
20	20850	50	#Mid	QAM64	19.19	21.19	PASS
20	20850	50	#Max	QAM64	19.29	21.29	PASS
20	20850	100	#0	QAM64	19.19	21.19	PASS
20	21100	1	#0	QAM64	19.70	21.70	PASS
20	21100	1	#Mid	QAM64	20.29	22.29	PASS
20	21100	1	#Max	QAM64	19.90	21.90	PASS
20	21100	50	#0	QAM64	19.14	21.14	PASS
20	21100	50	#Mid	QAM64	19.16	21.16	PASS
20	21100	50	#Max	QAM64	19.20	21.20	PASS
20	21100	100	#0	QAM64	19.23	21.23	PASS
20	21350	1	#0	QAM64	19.76	21.76	PASS
20	21350	1	#Mid	QAM64	20.23	22.23	PASS
20	21350	1	#Max	QAM64	19.84	21.84	PASS
20	21350	50	#0	QAM64	19.34	21.34	PASS
20	21350	50	#Mid	QAM64	19.35	21.35	PASS
20	21350	50	#Max	QAM64	19.29	21.29	PASS
20	21350	100	#0	QAM64	19.27	21.27	PASS



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	ERP (dBm)	Verdict
LTE band 28 subset 1	3	27225	1	#0	QPSK	23.36	23.21	PASS
	3	27225	1	#Mid	QPSK	23.35	23.20	PASS
	3	27225	1	#Max	QPSK	23.36	23.21	PASS
	3	27225	8	#0	QPSK	22.30	22.15	PASS
	3	27225	8	#Mid	QPSK	22.30	22.15	PASS
	3	27225	8	#Max	QPSK	22.32	22.17	PASS
	3	27225	15	#0	QPSK	22.28	22.13	PASS
	3	27225	1	#0	QAM16	22.17	22.02	PASS
	3	27225	1	#Mid	QAM16	22.22	22.07	PASS
	3	27225	1	#Max	QAM16	22.21	22.06	PASS
	3	27225	8	#0	QAM16	21.28	21.13	PASS
	3	27225	8	#Mid	QAM16	21.29	21.14	PASS
	3	27225	8	#Max	QAM16	21.30	21.15	PASS
	3	27225	15	#0	QAM16	21.28	21.13	PASS
	3	27275	1	#0	QPSK	23.26	23.11	PASS
	3	27275	1	#Mid	QPSK	23.26	23.11	PASS
	3	27275	1	#Max	QPSK	23.28	23.13	PASS
	3	27275	8	#0	QPSK	22.28	22.13	PASS
	3	27275	8	#Mid	QPSK	22.29	22.14	PASS
	3	27275	8	#Max	QPSK	22.34	22.19	PASS
	3	27275	15	#0	QPSK	22.31	22.16	PASS
	3	27275	1	#0	QAM16	22.57	22.42	PASS
	3	27275	1	#Mid	QAM16	22.58	22.43	PASS
	3	27275	1	#Max	QAM16	22.53	22.38	PASS
	3	27275	8	#0	QAM16	21.29	21.14	PASS
	3	27275	8	#Mid	QAM16	21.31	21.16	PASS
	3	27275	8	#Max	QAM16	21.33	21.18	PASS
	3	27275	15	#0	QAM16	21.24	21.09	PASS
	3	27325	1	#0	QPSK	23.25	23.10	PASS
	3	27325	1	#Mid	QPSK	23.25	23.10	PASS
	3	27325	1	#Max	QPSK	23.24	23.09	PASS
	3	27325	8	#0	QPSK	22.27	22.12	PASS
	3	27325	8	#Mid	QPSK	22.27	22.12	PASS
	3	27325	8	#Max	QPSK	22.30	22.15	PASS
	3	27325	15	#0	QPSK	22.22	22.07	PASS
	3	27325	1	#0	QAM16	22.45	22.30	PASS
	3	27325	1	#Mid	QAM16	22.42	22.27	PASS
	3	27325	1	#Max	QAM16	22.40	22.25	PASS
	3	27325	8	#0	QAM16	21.22	21.07	PASS
	3	27325	8	#Mid	QAM16	21.23	21.08	PASS
	3	27325	8	#Max	QAM16	21.26	21.11	PASS



3	27325	15	#0	QAM16	21.11	20.96	PASS
5	27235	1	#0	QPSK	23.18	23.03	PASS
5	27235	1	#Mid	QPSK	23.30	23.15	PASS
5	27235	1	#Max	QPSK	23.19	23.04	PASS
5	27235	12	#0	QPSK	22.33	22.18	PASS
5	27235	12	#Mid	QPSK	22.33	22.18	PASS
5	27235	12	#Max	QPSK	22.29	22.14	PASS
5	27235	25	#0	QPSK	22.32	22.17	PASS
5	27235	1	#0	QAM16	22.47	22.32	PASS
5	27235	1	#Mid	QAM16	22.62	22.47	PASS
5	27235	1	#Max	QAM16	22.53	22.38	PASS
5	27235	12	#0	QAM16	21.33	21.18	PASS
5	27235	12	#Mid	QAM16	21.35	21.20	PASS
5	27235	12	#Max	QAM16	21.27	21.12	PASS
5	27235	25	#0	QAM16	21.30	21.15	PASS
5	27275	1	#0	QPSK	23.20	23.05	PASS
5	27275	1	#Mid	QPSK	23.31	23.16	PASS
5	27275	1	#Max	QPSK	23.18	23.03	PASS
5	27275	12	#0	QPSK	22.34	22.19	PASS
5	27275	12	#Mid	QPSK	22.31	22.16	PASS
5	27275	12	#Max	QPSK	22.31	22.16	PASS
5	27275	25	#0	QPSK	22.36	22.21	PASS
5	27275	1	#0	QAM16	22.54	22.39	PASS
5	27275	1	#Mid	QAM16	22.60	22.45	PASS
5	27275	1	#Max	QAM16	22.49	22.34	PASS
5	27275	12	#0	QAM16	21.23	21.08	PASS
5	27275	12	#Mid	QAM16	21.24	21.09	PASS
5	27275	12	#Max	QAM16	21.23	21.08	PASS
5	27275	25	#0	QAM16	21.36	21.21	PASS
5	27315	1	#0	QPSK	23.17	23.02	PASS
5	27315	1	#Mid	QPSK	23.22	23.07	PASS
5	27315	1	#Max	QPSK	23.13	22.98	PASS
5	27315	12	#0	QPSK	22.29	22.14	PASS
5	27315	12	#Mid	QPSK	22.29	22.14	PASS
5	27315	12	#Max	QPSK	22.28	22.13	PASS
5	27315	25	#0	QPSK	22.31	22.16	PASS
5	27315	1	#0	QAM16	22.40	22.25	PASS
5	27315	1	#Mid	QAM16	22.44	22.29	PASS
5	27315	1	#Max	QAM16	22.37	22.22	PASS
5	27315	12	#0	QAM16	21.24	21.09	PASS
5	27315	12	#Mid	QAM16	21.25	21.10	PASS
5	27315	12	#Max	QAM16	21.21	21.06	PASS
5	27315	25	#0	QAM16	21.28	21.13	PASS



10	27260	1	#0	QPSK	23.22	23.07	PASS
10	27260	1	#Mid	QPSK	23.38	23.23	PASS
10	27260	1	#Max	QPSK	23.23	23.08	PASS
10	27260	25	#0	QPSK	22.40	22.25	PASS
10	27260	25	#Mid	QPSK	22.36	22.21	PASS
10	27260	25	#Max	QPSK	22.37	22.22	PASS
10	27260	50	#0	QPSK	22.40	22.25	PASS
10	27260	1	#0	QAM16	22.56	22.41	PASS
10	27260	1	#Mid	QAM16	22.68	22.53	PASS
10	27260	1	#Max	QAM16	22.53	22.38	PASS
10	27260	25	#0	QAM16	21.46	21.31	PASS
10	27260	25	#Mid	QAM16	21.48	21.33	PASS
10	27260	25	#Max	QAM16	21.45	21.30	PASS
10	27260	50	#0	QAM16	21.39	21.24	PASS
10	27275	1	#0	QPSK	23.28	23.13	PASS
10	27275	1	#Mid	QPSK	23.52	23.37	PASS
10	27275	1	#Max	QPSK	23.22	23.07	PASS
10	27275	25	#0	QPSK	22.38	22.23	PASS
10	27275	25	#Mid	QPSK	22.38	22.23	PASS
10	27275	25	#Max	QPSK	22.35	22.20	PASS
10	27275	50	#0	QPSK	22.37	22.22	PASS
10	27275	1	#0	QAM16	22.48	22.33	PASS
10	27275	1	#Mid	QAM16	22.57	22.42	PASS
10	27275	1	#Max	QAM16	22.41	22.26	PASS
10	27275	25	#0	QAM16	21.43	21.28	PASS
10	27275	25	#Mid	QAM16	21.37	21.22	PASS
10	27275	25	#Max	QAM16	21.35	21.20	PASS
10	27275	50	#0	QAM16	21.34	21.19	PASS
10	27290	1	#0	QPSK	23.30	23.15	PASS
10	27290	1	#Mid	QPSK	23.47	23.32	PASS
10	27290	1	#Max	QPSK	23.27	23.12	PASS
10	27290	25	#0	QPSK	22.35	22.20	PASS
10	27290	25	#Mid	QPSK	22.33	22.18	PASS
10	27290	25	#Max	QPSK	22.35	22.20	PASS
10	27290	50	#0	QPSK	22.34	22.19	PASS
10	27290	1	#0	QAM16	22.20	22.05	PASS
10	27290	1	#Mid	QAM16	22.31	22.16	PASS
10	27290	1	#Max	QAM16	22.13	21.98	PASS
10	27290	25	#0	QAM16	21.34	21.19	PASS
10	27290	25	#Mid	QAM16	21.33	21.18	PASS
10	27290	25	#Max	QAM16	21.36	21.21	PASS
10	27290	50	#0	QAM16	21.32	21.17	PASS
3	27225	1	#0	QAM64	21.63	21.48	PASS



3	27225	1	#Mid	QAM64	21.62	21.47	PASS
3	27225	1	#Max	QAM64	21.61	21.46	PASS
3	27225	8	#0	QAM64	20.33	20.18	PASS
3	27225	8	#Mid	QAM64	20.33	20.18	PASS
3	27225	8	#Max	QAM64	20.34	20.19	PASS
3	27225	15	#0	QAM64	20.25	20.10	PASS
3	27275	1	#0	QAM64	21.55	21.40	PASS
3	27275	1	#Mid	QAM64	21.52	21.37	PASS
3	27275	1	#Max	QAM64	21.49	21.34	PASS
3	27275	8	#0	QAM64	20.30	20.15	PASS
3	27275	8	#Mid	QAM64	20.30	20.15	PASS
3	27275	8	#Max	QAM64	20.34	20.19	PASS
3	27275	15	#0	QAM64	20.17	20.02	PASS
3	27325	1	#0	QAM64	21.17	21.02	PASS
3	27325	1	#Mid	QAM64	21.21	21.06	PASS
3	27325	1	#Max	QAM64	21.19	21.04	PASS
3	27325	8	#0	QAM64	20.29	20.14	PASS
3	27325	8	#Mid	QAM64	20.30	20.15	PASS
3	27325	8	#Max	QAM64	20.32	20.17	PASS
3	27325	15	#0	QAM64	20.21	20.06	PASS
5	27235	1	#0	QAM64	21.41	21.26	PASS
5	27235	1	#Mid	QAM64	21.57	21.42	PASS
5	27235	1	#Max	QAM64	21.47	21.32	PASS
5	27235	12	#0	QAM64	20.31	20.16	PASS
5	27235	12	#Mid	QAM64	20.31	20.16	PASS
5	27235	12	#Max	QAM64	20.25	20.10	PASS
5	27235	25	#0	QAM64	20.25	20.10	PASS
5	27275	1	#0	QAM64	21.57	21.42	PASS
5	27275	1	#Mid	QAM64	21.65	21.50	PASS
5	27275	1	#Max	QAM64	21.55	21.40	PASS
5	27275	12	#0	QAM64	20.39	20.24	PASS
5	27275	12	#Mid	QAM64	20.42	20.27	PASS
5	27275	12	#Max	QAM64	20.35	20.20	PASS
5	27275	25	#0	QAM64	20.35	20.20	PASS
5	27315	1	#0	QAM64	21.51	21.36	PASS
5	27315	1	#Mid	QAM64	21.60	21.45	PASS
5	27315	1	#Max	QAM64	21.51	21.36	PASS
5	27315	12	#0	QAM64	20.30	20.15	PASS
5	27315	12	#Mid	QAM64	20.29	20.14	PASS
5	27315	12	#Max	QAM64	20.28	20.13	PASS
5	27315	25	#0	QAM64	20.33	20.18	PASS
10	27260	1	#0	QAM64	21.20	21.05	PASS
10	27260	1	#Mid	QAM64	21.37	21.22	PASS



10	27260	1	#Max	QAM64	21.23	21.08	PASS
10	27260	25	#0	QAM64	20.43	20.28	PASS
10	27260	25	#Mid	QAM64	20.44	20.29	PASS
10	27260	25	#Max	QAM64	20.40	20.25	PASS
10	27260	50	#0	QAM64	20.38	20.23	PASS
10	27275	1	#0	QAM64	21.59	21.44	PASS
10	27275	1	#Mid	QAM64	21.84	21.69	PASS
10	27275	1	#Max	QAM64	21.59	21.44	PASS
10	27275	25	#0	QAM64	20.51	20.36	PASS
10	27275	25	#Mid	QAM64	20.53	20.38	PASS
10	27275	25	#Max	QAM64	20.43	20.28	PASS
10	27275	50	#0	QAM64	20.36	20.21	PASS
10	27290	1	#0	QAM64	21.52	21.37	PASS
10	27290	1	#Mid	QAM64	21.68	21.53	PASS
10	27290	1	#Max	QAM64	21.50	21.35	PASS
10	27290	25	#0	QAM64	20.42	20.27	PASS
10	27290	25	#Mid	QAM64	20.41	20.26	PASS
10	27290	25	#Max	QAM64	20.42	20.27	PASS
10	27290	50	#0	QAM64	20.29	20.14	PASS



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	ERP (dBm)	Verdict
LTE band 28 subset 2	3	27475	1	#0	QPSK	22.82	22.52	PASS
	3	27475	1	#Mid	QPSK	22.82	22.69	PASS
	3	27475	1	#Max	QPSK	22.84	22.55	PASS
	3	27475	8	#0	QPSK	21.82	22.61	PASS
	3	27475	8	#Mid	QPSK	21.80	22.60	PASS
	3	27475	8	#Max	QPSK	21.81	22.55	PASS
	3	27475	15	#0	QPSK	21.78	21.52	PASS
	3	27475	1	#0	QAM16	21.70	21.45	PASS
	3	27475	1	#Mid	QAM16	21.75	21.50	PASS
	3	27475	1	#Max	QAM16	21.72	21.42	PASS
	3	27475	8	#0	QAM16	20.85	21.54	PASS
	3	27475	8	#Mid	QAM16	20.85	21.54	PASS
	3	27475	8	#Max	QAM16	20.82	21.51	PASS
	3	27475	15	#0	QAM16	20.76	20.57	PASS
	3	27550	1	#0	QPSK	22.90	22.49	PASS
	3	27550	1	#Mid	QPSK	22.85	22.69	PASS
	3	27550	1	#Max	QPSK	22.84	22.49	PASS
	3	27550	8	#0	QPSK	21.90	22.51	PASS
	3	27550	8	#Mid	QPSK	21.93	22.52	PASS
	3	27550	8	#Max	QPSK	21.96	22.49	PASS
	3	27550	15	#0	QPSK	21.93	21.43	PASS
	3	27550	1	#0	QAM16	22.23	21.46	PASS
	3	27550	1	#Mid	QAM16	22.20	21.70	PASS
	3	27550	1	#Max	QAM16	22.21	21.48	PASS
	3	27550	8	#0	QAM16	20.93	21.65	PASS
	3	27550	8	#Mid	QAM16	20.95	21.63	PASS
	3	27550	8	#Max	QAM16	20.94	21.68	PASS
	3	27550	15	#0	QAM16	20.83	20.53	PASS
	3	27625	1	#0	QPSK	22.97	22.35	PASS
	3	27625	1	#Mid	QPSK	22.96	22.54	PASS
	3	27625	1	#Max	QPSK	22.97	22.31	PASS
	3	27625	8	#0	QPSK	22.04	22.41	PASS
	3	27625	8	#Mid	QPSK	22.01	22.40	PASS
	3	27625	8	#Max	QPSK	22.00	22.38	PASS
	3	27625	15	#0	QPSK	22.01	21.39	PASS
	3	27625	1	#0	QAM16	22.16	21.53	PASS
	3	27625	1	#Mid	QAM16	22.17	21.74	PASS
	3	27625	1	#Max	QAM16	22.19	21.54	PASS
	3	27625	8	#0	QAM16	21.00	21.43	PASS
	3	27625	8	#Mid	QAM16	21.02	21.43	PASS
	3	27625	8	#Max	QAM16	21.03	21.45	PASS



3	27625	15	#0	QAM16	20.84	20.43	PASS
5	27485	1	#0	QPSK	22.71	22.55	PASS
5	27485	1	#Mid	QPSK	22.83	22.57	PASS
5	27485	1	#Max	QPSK	22.73	22.58	PASS
5	27485	12	#0	QPSK	21.88	21.52	PASS
5	27485	12	#Mid	QPSK	21.86	21.51	PASS
5	27485	12	#Max	QPSK	21.90	21.60	PASS
5	27485	25	#0	QPSK	21.85	21.52	PASS
5	27485	1	#0	QAM16	22.05	21.80	PASS
5	27485	1	#Mid	QAM16	22.15	21.71	PASS
5	27485	1	#Max	QAM16	22.09	21.72	PASS
5	27485	12	#0	QAM16	20.80	20.57	PASS
5	27485	12	#Mid	QAM16	20.86	20.54	PASS
5	27485	12	#Max	QAM16	20.80	20.58	PASS
5	27485	25	#0	QAM16	20.85	20.49	PASS
5	27550	1	#0	QPSK	22.79	22.55	PASS
5	27550	1	#Mid	QPSK	22.93	22.55	PASS
5	27550	1	#Max	QPSK	22.82	22.50	PASS
5	27550	12	#0	QPSK	21.96	21.48	PASS
5	27550	12	#Mid	QPSK	21.92	21.48	PASS
5	27550	12	#Max	QPSK	21.98	21.50	PASS
5	27550	25	#0	QPSK	21.98	21.48	PASS
5	27550	1	#0	QAM16	22.00	21.40	PASS
5	27550	1	#Mid	QAM16	22.15	21.44	PASS
5	27550	1	#Max	QAM16	22.05	21.43	PASS
5	27550	12	#0	QAM16	20.83	20.52	PASS
5	27550	12	#Mid	QAM16	20.91	20.52	PASS
5	27550	12	#Max	QAM16	20.91	20.52	PASS
5	27550	25	#0	QAM16	20.88	20.54	PASS
5	27615	1	#0	QPSK	22.81	22.44	PASS
5	27615	1	#Mid	QPSK	22.89	22.43	PASS
5	27615	1	#Max	QPSK	22.84	22.39	PASS
5	27615	12	#0	QPSK	22.02	21.43	PASS
5	27615	12	#Mid	QPSK	22.02	21.41	PASS
5	27615	12	#Max	QPSK	22.08	21.41	PASS
5	27615	25	#0	QPSK	22.04	21.39	PASS
5	27615	1	#0	QAM16	22.15	21.70	PASS
5	27615	1	#Mid	QAM16	22.28	21.72	PASS
5	27615	1	#Max	QAM16	22.19	21.69	PASS
5	27615	12	#0	QAM16	21.03	20.49	PASS
5	27615	12	#Mid	QAM16	21.02	20.46	PASS
5	27615	12	#Max	QAM16	21.06	20.45	PASS
5	27615	25	#0	QAM16	20.99	20.48	PASS



10	27510	1	#0	QPSK	22.84	22.44	PASS
10	27510	1	#Mid	QPSK	23.03	22.55	PASS
10	27510	1	#Max	QPSK	22.94	22.41	PASS
10	27510	25	#0	QPSK	21.92	21.50	PASS
10	27510	25	#Mid	QPSK	21.92	21.49	PASS
10	27510	25	#Max	QPSK	22.03	21.57	PASS
10	27510	50	#0	QPSK	21.95	21.52	PASS
10	27510	1	#0	QAM16	21.71	21.75	PASS
10	27510	1	#Mid	QAM16	21.95	21.82	PASS
10	27510	1	#Max	QAM16	21.81	21.69	PASS
10	27510	25	#0	QAM16	20.95	20.57	PASS
10	27510	25	#Mid	QAM16	20.93	20.52	PASS
10	27510	25	#Max	QAM16	21.02	20.58	PASS
10	27510	50	#0	QAM16	20.91	20.60	PASS
10	27550	1	#0	QPSK	22.85	22.43	PASS
10	27550	1	#Mid	QPSK	23.11	22.49	PASS
10	27550	1	#Max	QPSK	22.90	22.37	PASS
10	27550	25	#0	QPSK	21.98	21.50	PASS
10	27550	25	#Mid	QPSK	21.97	21.51	PASS
10	27550	25	#Max	QPSK	22.05	21.46	PASS
10	27550	50	#0	QPSK	22.03	21.55	PASS
10	27550	1	#0	QAM16	22.19	21.71	PASS
10	27550	1	#Mid	QAM16	22.43	21.81	PASS
10	27550	1	#Max	QAM16	22.26	21.66	PASS
10	27550	25	#0	QAM16	21.04	20.48	PASS
10	27550	25	#Mid	QAM16	21.04	20.45	PASS
10	27550	25	#Max	QAM16	21.15	20.43	PASS
10	27550	50	#0	QAM16	20.98	20.57	PASS
10	27590	1	#0	QPSK	22.95	22.32	PASS
10	27590	1	#Mid	QPSK	23.06	22.47	PASS
10	27590	1	#Max	QPSK	22.99	22.32	PASS
10	27590	25	#0	QPSK	21.97	21.49	PASS
10	27590	25	#Mid	QPSK	22.00	21.45	PASS
10	27590	25	#Max	QPSK	22.08	21.39	PASS
10	27590	50	#0	QPSK	22.03	21.46	PASS
10	27590	1	#0	QAM16	22.13	21.55	PASS
10	27590	1	#Mid	QAM16	22.32	21.63	PASS
10	27590	1	#Max	QAM16	22.19	21.52	PASS
10	27590	25	#0	QAM16	21.05	20.45	PASS
10	27590	25	#Mid	QAM16	21.05	20.44	PASS
10	27590	25	#Max	QAM16	21.13	20.34	PASS
10	27590	50	#0	QAM16	20.96	20.49	PASS
15	27535	1	#0	QPSK	22.74	22.63	PASS



15	27535	1	#Mid	QPSK	22.93	22.70	PASS
15	27535	1	#Max	QPSK	22.80	22.51	PASS
15	27535	36	#0	QPSK	21.97	21.63	PASS
15	27535	36	#Mid	QPSK	21.95	21.63	PASS
15	27535	36	#Max	QPSK	22.09	21.51	PASS
15	27535	75	#0	QPSK	22.02	21.52	PASS
15	27535	1	#0	QAM16	21.94	21.78	PASS
15	27535	1	#Mid	QAM16	22.12	21.82	PASS
15	27535	1	#Max	QAM16	22.07	21.63	PASS
15	27535	36	#0	QAM16	20.93	20.68	PASS
15	27535	36	#Mid	QAM16	20.97	20.67	PASS
15	27535	36	#Max	QAM16	21.03	20.53	PASS
15	27535	75	#0	QAM16	20.94	20.53	PASS
15	27550	1	#0	QPSK	22.75	22.60	PASS
15	27550	1	#Mid	QPSK	22.97	22.68	PASS
15	27550	1	#Max	QPSK	22.95	22.49	PASS
15	27550	36	#0	QPSK	21.94	21.64	PASS
15	27550	36	#Mid	QPSK	21.88	21.63	PASS
15	27550	36	#Max	QPSK	22.07	21.51	PASS
15	27550	75	#0	QPSK	22.05	21.59	PASS
15	27550	1	#0	QAM16	21.80	21.45	PASS
15	27550	1	#Mid	QAM16	22.04	21.58	PASS
15	27550	1	#Max	QAM16	21.92	21.36	PASS
15	27550	36	#0	QAM16	20.89	20.69	PASS
15	27550	36	#Mid	QAM16	20.89	20.69	PASS
15	27550	36	#Max	QAM16	21.04	20.55	PASS
15	27550	75	#0	QAM16	20.95	20.66	PASS
15	27565	1	#0	QPSK	22.72	22.43	PASS
15	27565	1	#Mid	QPSK	22.97	22.56	PASS
15	27565	1	#Max	QPSK	22.85	22.38	PASS
15	27565	36	#0	QPSK	21.96	21.53	PASS
15	27565	36	#Mid	QPSK	21.98	21.54	PASS
15	27565	36	#Max	QPSK	22.10	21.40	PASS
15	27565	75	#0	QPSK	22.02	21.49	PASS
15	27565	1	#0	QAM16	22.06	21.77	PASS
15	27565	1	#Mid	QAM16	22.23	21.88	PASS
15	27565	1	#Max	QAM16	22.16	21.68	PASS
15	27565	36	#0	QAM16	20.95	20.67	PASS
15	27565	36	#Mid	QAM16	20.96	20.67	PASS
15	27565	36	#Max	QAM16	21.10	20.51	PASS
15	27565	75	#0	QAM16	20.96	20.57	PASS
3	27475	1	#0	QAM64	21.25	21.10	PASS
3	27475	1	#Mid	QAM64	21.28	21.13	PASS



3	27475	1	#Max	QAM64	21.28	21.13	PASS
3	27475	8	#0	QAM64	20.40	20.25	PASS
3	27475	8	#Mid	QAM64	20.38	20.23	PASS
3	27475	8	#Max	QAM64	20.37	20.22	PASS
3	27475	15	#0	QAM64	20.33	20.18	PASS
3	27550	1	#0	QAM64	21.73	21.58	PASS
3	27550	1	#Mid	QAM64	21.77	21.62	PASS
3	27550	1	#Max	QAM64	21.77	21.62	PASS
3	27550	8	#0	QAM64	20.49	20.34	PASS
3	27550	8	#Mid	QAM64	20.48	20.33	PASS
3	27550	8	#Max	QAM64	20.53	20.38	PASS
3	27550	15	#0	QAM64	20.40	20.25	PASS
3	27625	1	#0	QAM64	21.71	21.56	PASS
3	27625	1	#Mid	QAM64	21.74	21.59	PASS
3	27625	1	#Max	QAM64	21.73	21.58	PASS
3	27625	8	#0	QAM64	20.59	20.44	PASS
3	27625	8	#Mid	QAM64	20.60	20.45	PASS
3	27625	8	#Max	QAM64	20.59	20.44	PASS
3	27625	15	#0	QAM64	20.41	20.26	PASS
5	27485	1	#0	QAM64	21.58	21.43	PASS
5	27485	1	#Mid	QAM64	21.66	21.51	PASS
5	27485	1	#Max	QAM64	21.57	21.42	PASS
5	27485	12	#0	QAM64	20.38	20.23	PASS
5	27485	12	#Mid	QAM64	20.38	20.23	PASS
5	27485	12	#Max	QAM64	20.41	20.26	PASS
5	27485	25	#0	QAM64	20.35	20.20	PASS
5	27550	1	#0	QAM64	21.65	21.50	PASS
5	27550	1	#Mid	QAM64	21.78	21.63	PASS
5	27550	1	#Max	QAM64	21.71	21.56	PASS
5	27550	12	#0	QAM64	20.56	20.41	PASS
5	27550	12	#Mid	QAM64	20.51	20.36	PASS
5	27550	12	#Max	QAM64	20.54	20.39	PASS
5	27550	25	#0	QAM64	20.48	20.33	PASS
5	27615	1	#0	QAM64	21.74	21.59	PASS
5	27615	1	#Mid	QAM64	21.84	21.69	PASS
5	27615	1	#Max	QAM64	21.75	21.60	PASS
5	27615	12	#0	QAM64	20.48	20.33	PASS
5	27615	12	#Mid	QAM64	20.50	20.35	PASS
5	27615	12	#Max	QAM64	20.56	20.41	PASS
5	27615	25	#0	QAM64	20.56	20.41	PASS
10	27510	1	#0	QAM64	21.72	21.57	PASS
10	27510	1	#Mid	QAM64	21.93	21.78	PASS
10	27510	1	#Max	QAM64	21.75	21.60	PASS



10	27510	25	#0	QAM64	20.58	20.43	PASS
10	27510	25	#Mid	QAM64	20.58	20.43	PASS
10	27510	25	#Max	QAM64	20.68	20.53	PASS
10	27510	50	#0	QAM64	20.43	20.28	PASS
10	27550	1	#0	QAM64	21.63	21.48	PASS
10	27550	1	#Mid	QAM64	21.95	21.80	PASS
10	27550	1	#Max	QAM64	21.66	21.51	PASS
10	27550	25	#0	QAM64	20.56	20.41	PASS
10	27550	25	#Mid	QAM64	20.58	20.43	PASS
10	27550	25	#Max	QAM64	20.66	20.51	PASS
10	27550	50	#0	QAM64	20.50	20.35	PASS
10	27590	1	#0	QAM64	21.40	21.25	PASS
10	27590	1	#Mid	QAM64	21.66	21.51	PASS
10	27590	1	#Max	QAM64	21.49	21.34	PASS
10	27590	25	#0	QAM64	20.57	20.42	PASS
10	27590	25	#Mid	QAM64	20.59	20.44	PASS
10	27590	25	#Max	QAM64	20.67	20.52	PASS
10	27590	50	#0	QAM64	20.56	20.41	PASS
15	27535	1	#0	QAM64	21.62	21.47	PASS
15	27535	1	#Mid	QAM64	21.79	21.64	PASS
15	27535	1	#Max	QAM64	21.73	21.58	PASS
15	27535	36	#0	QAM64	20.49	20.34	PASS
15	27535	36	#Mid	QAM64	20.50	20.35	PASS
15	27535	36	#Max	QAM64	20.60	20.45	PASS
15	27535	75	#0	QAM64	20.51	20.36	PASS
15	27550	1	#0	QAM64	21.50	21.35	PASS
15	27550	1	#Mid	QAM64	21.68	21.53	PASS
15	27550	1	#Max	QAM64	21.58	21.43	PASS
15	27550	36	#0	QAM64	20.47	20.32	PASS
15	27550	36	#Mid	QAM64	20.47	20.32	PASS
15	27550	36	#Max	QAM64	20.55	20.40	PASS
15	27550	75	#0	QAM64	20.51	20.36	PASS
15	27565	1	#0	QAM64	21.38	21.23	PASS
15	27565	1	#Mid	QAM64	21.59	21.44	PASS
15	27565	1	#Max	QAM64	21.54	21.39	PASS
15	27565	36	#0	QAM64	20.50	20.35	PASS
15	27565	36	#Mid	QAM64	20.44	20.29	PASS
15	27565	36	#Max	QAM64	20.60	20.45	PASS
15	27565	75	#0	QAM64	20.48	20.33	PASS



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
LTE band 38	5	37775	1	#0	QPSK	22.37	24.37	PASS
	5	37775	1	#Mid	QPSK	22.44	24.44	PASS
	5	37775	1	#Max	QPSK	22.38	24.38	PASS
	5	37775	12	#0	QPSK	21.46	23.46	PASS
	5	37775	12	#Mid	QPSK	21.47	23.47	PASS
	5	37775	12	#Max	QPSK	21.48	23.48	PASS
	5	37775	25	#0	QPSK	21.48	23.48	PASS
	5	37775	1	#0	QAM16	21.78	23.78	PASS
	5	37775	1	#Mid	QAM16	21.89	23.89	PASS
	5	37775	1	#Max	QAM16	21.77	23.77	PASS
	5	37775	12	#0	QAM16	20.45	22.45	PASS
	5	37775	12	#Mid	QAM16	20.42	22.42	PASS
	5	37775	12	#Max	QAM16	20.43	22.43	PASS
	5	37775	25	#0	QAM16	20.50	22.50	PASS
	5	38000	1	#0	QPSK	22.47	24.47	PASS
	5	38000	1	#Mid	QPSK	22.61	24.61	PASS
	5	38000	1	#Max	QPSK	22.51	24.51	PASS
	5	38000	12	#0	QPSK	21.55	23.55	PASS
	5	38000	12	#Mid	QPSK	21.58	23.58	PASS
	5	38000	12	#Max	QPSK	21.63	23.63	PASS
	5	38000	25	#0	QPSK	21.64	23.64	PASS
	5	38000	1	#0	QAM16	21.73	23.73	PASS
	5	38000	1	#Mid	QAM16	21.88	23.88	PASS
	5	38000	1	#Max	QAM16	21.77	23.77	PASS
	5	38000	12	#0	QAM16	20.52	22.52	PASS
	5	38000	12	#Mid	QAM16	20.51	22.51	PASS
	5	38000	12	#Max	QAM16	20.60	22.60	PASS
	5	38000	25	#0	QAM16	20.59	22.59	PASS
	5	38225	1	#0	QPSK	22.53	24.53	PASS
	5	38225	1	#Mid	QPSK	22.69	24.69	PASS
	5	38225	1	#Max	QPSK	22.63	24.63	PASS
	5	38225	12	#0	QPSK	21.73	23.73	PASS
	5	38225	12	#Mid	QPSK	21.75	23.75	PASS
	5	38225	12	#Max	QPSK	21.78	23.78	PASS
	5	38225	25	#0	QPSK	21.82	23.82	PASS
	5	38225	1	#0	QAM16	21.94	23.94	PASS
	5	38225	1	#Mid	QAM16	22.07	24.07	PASS
	5	38225	1	#Max	QAM16	21.98	23.98	PASS
	5	38225	12	#0	QAM16	20.77	22.77	PASS
	5	38225	12	#Mid	QAM16	20.78	22.78	PASS
	5	38225	12	#Max	QAM16	20.82	22.82	PASS



5	38225	25	#0	QAM16	20.83	22.83	PASS
10	37800	1	#0	QPSK	22.47	24.47	PASS
10	37800	1	#Mid	QPSK	22.68	24.68	PASS
10	37800	1	#Max	QPSK	22.49	24.49	PASS
10	37800	25	#0	QPSK	21.55	23.55	PASS
10	37800	25	#Mid	QPSK	21.55	23.55	PASS
10	37800	25	#Max	QPSK	21.58	23.58	PASS
10	37800	50	#0	QPSK	21.59	23.59	PASS
10	37800	1	#0	QAM16	21.91	23.91	PASS
10	37800	1	#Mid	QAM16	22.00	24.00	PASS
10	37800	1	#Max	QAM16	21.91	23.91	PASS
10	37800	25	#0	QAM16	20.57	22.57	PASS
10	37800	25	#Mid	QAM16	20.65	22.65	PASS
10	37800	25	#Max	QAM16	20.70	22.70	PASS
10	37800	50	#0	QAM16	20.60	22.60	PASS
10	38000	1	#0	QPSK	22.58	24.58	PASS
10	38000	1	#Mid	QPSK	22.82	24.82	PASS
10	38000	1	#Max	QPSK	22.66	24.66	PASS
10	38000	25	#0	QPSK	21.60	23.60	PASS
10	38000	25	#Mid	QPSK	21.60	23.60	PASS
10	38000	25	#Max	QPSK	21.72	23.72	PASS
10	38000	50	#0	QPSK	21.65	23.65	PASS
10	38000	1	#0	QAM16	21.63	23.63	PASS
10	38000	1	#Mid	QAM16	21.89	23.89	PASS
10	38000	1	#Max	QAM16	21.71	23.71	PASS
10	38000	25	#0	QAM16	20.63	22.63	PASS
10	38000	25	#Mid	QAM16	20.64	22.64	PASS
10	38000	25	#Max	QAM16	20.74	22.74	PASS
10	38000	50	#0	QAM16	20.63	22.63	PASS
10	38200	1	#0	QPSK	22.73	24.73	PASS
10	38200	1	#Mid	QPSK	22.94	24.94	PASS
10	38200	1	#Max	QPSK	22.79	24.79	PASS
10	38200	25	#0	QPSK	21.78	23.78	PASS
10	38200	25	#Mid	QPSK	21.78	23.78	PASS
10	38200	25	#Max	QPSK	21.82	23.82	PASS
10	38200	50	#0	QPSK	21.77	23.77	PASS
10	38200	1	#0	QAM16	21.67	23.67	PASS
10	38200	1	#Mid	QAM16	21.90	23.90	PASS
10	38200	1	#Max	QAM16	21.71	23.71	PASS
10	38200	25	#0	QAM16	20.76	22.76	PASS
10	38200	25	#Mid	QAM16	20.77	22.77	PASS
10	38200	25	#Max	QAM16	20.81	22.81	PASS
10	38200	50	#0	QAM16	20.79	22.79	PASS



15	37825	1	#0	QPSK	22.37	24.37	PASS
15	37825	1	#Mid	QPSK	22.51	24.51	PASS
15	37825	1	#Max	QPSK	22.36	24.36	PASS
15	37825	36	#0	QPSK	21.54	23.54	PASS
15	37825	36	#Mid	QPSK	21.54	23.54	PASS
15	37825	36	#Max	QPSK	21.58	23.58	PASS
15	37825	75	#0	QPSK	21.55	23.55	PASS
15	37825	1	#0	QAM16	21.77	23.77	PASS
15	37825	1	#Mid	QAM16	21.92	23.92	PASS
15	37825	1	#Max	QAM16	21.75	23.75	PASS
15	37825	36	#0	QAM16	20.51	22.51	PASS
15	37825	36	#Mid	QAM16	20.53	22.53	PASS
15	37825	36	#Max	QAM16	20.58	22.58	PASS
15	37825	75	#0	QAM16	20.57	22.57	PASS
15	38000	1	#0	QPSK	22.40	24.40	PASS
15	38000	1	#Mid	QPSK	22.61	24.61	PASS
15	38000	1	#Max	QPSK	22.55	24.55	PASS
15	38000	36	#0	QPSK	21.54	23.54	PASS
15	38000	36	#Mid	QPSK	21.55	23.55	PASS
15	38000	36	#Max	QPSK	21.72	23.72	PASS
15	38000	75	#0	QPSK	21.65	23.65	PASS
15	38000	1	#0	QAM16	21.50	23.50	PASS
15	38000	1	#Mid	QAM16	21.70	23.70	PASS
15	38000	1	#Max	QAM16	21.66	23.66	PASS
15	38000	36	#0	QAM16	20.53	22.53	PASS
15	38000	36	#Mid	QAM16	20.55	22.55	PASS
15	38000	36	#Max	QAM16	20.69	22.69	PASS
15	38000	75	#0	QAM16	20.62	22.62	PASS
15	38175	1	#0	QPSK	22.58	24.58	PASS
15	38175	1	#Mid	QPSK	22.77	24.77	PASS
15	38175	1	#Max	QPSK	22.72	24.72	PASS
15	38175	36	#0	QPSK	21.73	23.73	PASS
15	38175	36	#Mid	QPSK	21.72	23.72	PASS
15	38175	36	#Max	QPSK	21.75	23.75	PASS
15	38175	75	#0	QPSK	21.75	23.75	PASS
15	38175	1	#0	QAM16	21.60	23.60	PASS
15	38175	1	#Mid	QAM16	21.82	23.82	PASS
15	38175	1	#Max	QAM16	21.78	23.78	PASS
15	38175	36	#0	QAM16	20.69	22.69	PASS
15	38175	36	#Mid	QAM16	20.69	22.69	PASS
15	38175	36	#Max	QAM16	20.75	22.75	PASS
15	38175	75	#0	QAM16	20.75	22.75	PASS
20	37850	1	#0	QPSK	22.20	24.20	PASS



20	37850	1	#Mid	QPSK	22.60	24.60	PASS
20	37850	1	#Max	QPSK	22.26	24.26	PASS
20	37850	50	#0	QPSK	21.46	23.46	PASS
20	37850	50	#Mid	QPSK	21.45	23.45	PASS
20	37850	50	#Max	QPSK	21.55	23.55	PASS
20	37850	100	#0	QPSK	21.52	23.52	PASS
20	37850	1	#0	QAM16	21.45	23.45	PASS
20	37850	1	#Mid	QAM16	21.85	23.85	PASS
20	37850	1	#Max	QAM16	21.50	23.50	PASS
20	37850	50	#0	QAM16	20.51	22.51	PASS
20	37850	50	#Mid	QAM16	20.50	22.50	PASS
20	37850	50	#Max	QAM16	20.59	22.59	PASS
20	37850	100	#0	QAM16	20.52	22.52	PASS
20	38000	1	#0	QPSK	22.21	24.21	PASS
20	38000	1	#Mid	QPSK	22.75	24.75	PASS
20	38000	1	#Max	QPSK	22.42	24.42	PASS
20	38000	50	#0	QPSK	21.43	23.43	PASS
20	38000	50	#Mid	QPSK	21.42	23.42	PASS
20	38000	50	#Max	QPSK	21.70	23.70	PASS
20	38000	100	#0	QPSK	21.54	23.54	PASS
20	38000	1	#0	QAM16	21.24	23.24	PASS
20	38000	1	#Mid	QAM16	21.75	23.75	PASS
20	38000	1	#Max	QAM16	21.45	23.45	PASS
20	38000	50	#0	QAM16	20.39	22.39	PASS
20	38000	50	#Mid	QAM16	20.40	22.40	PASS
20	38000	50	#Max	QAM16	20.69	22.69	PASS
20	38000	100	#0	QAM16	20.55	22.55	PASS
20	38150	1	#0	QPSK	22.32	24.32	PASS
20	38150	1	#Mid	QPSK	22.82	24.82	PASS
20	38150	1	#Max	QPSK	22.47	24.47	PASS
20	38150	50	#0	QPSK	21.59	23.59	PASS
20	38150	50	#Mid	QPSK	21.62	23.62	PASS
20	38150	50	#Max	QPSK	21.68	23.68	PASS
20	38150	100	#0	QPSK	21.63	23.63	PASS
20	38150	1	#0	QAM16	21.06	23.06	PASS
20	38150	1	#Mid	QAM16	21.56	23.56	PASS
20	38150	1	#Max	QAM16	21.23	23.23	PASS
20	38150	50	#0	QAM16	20.58	22.58	PASS
20	38150	50	#Mid	QAM16	20.60	22.60	PASS
20	38150	50	#Max	QAM16	20.74	22.74	PASS
20	38150	100	#0	QAM16	20.68	22.68	PASS
5	37775	1	#0	QAM64	21.34	23.34	PASS
5	37775	1	#Mid	QAM64	21.42	23.42	PASS



5	37775	1	#Max	QAM64	21.33	23.33	PASS
5	37775	12	#0	QAM64	19.98	21.98	PASS
5	37775	12	#Mid	QAM64	19.95	21.95	PASS
5	37775	12	#Max	QAM64	20.00	22.00	PASS
5	37775	25	#0	QAM64	20.06	22.06	PASS
5	38000	1	#0	QAM64	21.32	23.32	PASS
5	38000	1	#Mid	QAM64	21.49	23.49	PASS
5	38000	1	#Max	QAM64	21.39	23.39	PASS
5	38000	12	#0	QAM64	20.12	22.12	PASS
5	38000	12	#Mid	QAM64	20.13	22.13	PASS
5	38000	12	#Max	QAM64	20.20	22.20	PASS
5	38000	25	#0	QAM64	20.21	22.21	PASS
5	38225	1	#0	QAM64	21.59	23.59	PASS
5	38225	1	#Mid	QAM64	21.70	23.70	PASS
5	38225	1	#Max	QAM64	21.61	23.61	PASS
5	38225	12	#0	QAM64	20.39	22.39	PASS
5	38225	12	#Mid	QAM64	20.40	22.40	PASS
5	38225	12	#Max	QAM64	20.44	22.44	PASS
5	38225	25	#0	QAM64	20.44	22.44	PASS
10	37800	1	#0	QAM64	21.44	23.44	PASS
10	37800	1	#Mid	QAM64	21.61	23.61	PASS
10	37800	1	#Max	QAM64	21.46	23.46	PASS
10	37800	25	#0	QAM64	20.20	22.20	PASS
10	37800	25	#Mid	QAM64	20.22	22.22	PASS
10	37800	25	#Max	QAM64	20.26	22.26	PASS
10	37800	50	#0	QAM64	20.17	22.17	PASS
10	38000	1	#0	QAM64	21.23	23.23	PASS
10	38000	1	#Mid	QAM64	21.50	23.50	PASS
10	38000	1	#Max	QAM64	21.34	23.34	PASS
10	38000	25	#0	QAM64	20.23	22.23	PASS
10	38000	25	#Mid	QAM64	20.23	22.23	PASS
10	38000	25	#Max	QAM64	20.37	22.37	PASS
10	38000	50	#0	QAM64	20.23	22.23	PASS
10	38200	1	#0	QAM64	21.32	23.32	PASS
10	38200	1	#Mid	QAM64	21.55	23.55	PASS
10	38200	1	#Max	QAM64	21.35	23.35	PASS
10	38200	25	#0	QAM64	20.43	22.43	PASS
10	38200	25	#Mid	QAM64	20.43	22.43	PASS
10	38200	25	#Max	QAM64	20.46	22.46	PASS
10	38200	50	#0	QAM64	20.41	22.41	PASS
15	37825	1	#0	QAM64	21.36	23.36	PASS
15	37825	1	#Mid	QAM64	21.48	23.48	PASS
15	37825	1	#Max	QAM64	21.33	23.33	PASS



15	37825	36	#0	QAM64	20.19	22.19	PASS
15	37825	36	#Mid	QAM64	20.13	22.13	PASS
15	37825	36	#Max	QAM64	20.16	22.16	PASS
15	37825	75	#0	QAM64	20.12	22.12	PASS
15	38000	1	#0	QAM64	21.06	23.06	PASS
15	38000	1	#Mid	QAM64	21.31	23.31	PASS
15	38000	1	#Max	QAM64	21.25	23.25	PASS
15	38000	36	#0	QAM64	20.12	22.12	PASS
15	38000	36	#Mid	QAM64	20.14	22.14	PASS
15	38000	36	#Max	QAM64	20.30	22.30	PASS
15	38000	75	#0	QAM64	20.21	22.21	PASS
15	38175	1	#0	QAM64	21.28	23.28	PASS
15	38175	1	#Mid	QAM64	21.45	23.45	PASS
15	38175	1	#Max	QAM64	21.43	23.43	PASS
15	38175	36	#0	QAM64	20.36	22.36	PASS
15	38175	36	#Mid	QAM64	20.33	22.33	PASS
15	38175	36	#Max	QAM64	20.37	22.37	PASS
15	38175	75	#0	QAM64	20.38	22.38	PASS
20	37850	1	#0	QAM64	20.52	22.52	PASS
20	37850	1	#Mid	QAM64	20.97	22.97	PASS
20	37850	1	#Max	QAM64	20.60	22.60	PASS
20	37850	50	#0	QAM64	20.07	22.07	PASS
20	37850	50	#Mid	QAM64	20.06	22.06	PASS
20	37850	50	#Max	QAM64	20.20	22.20	PASS
20	37850	100	#0	QAM64	20.05	22.05	PASS
20	38000	1	#0	QAM64	21.05	23.05	PASS
20	38000	1	#Mid	QAM64	21.59	23.59	PASS
20	38000	1	#Max	QAM64	21.29	23.29	PASS
20	38000	50	#0	QAM64	20.06	22.06	PASS
20	38000	50	#Mid	QAM64	20.04	22.04	PASS
20	38000	50	#Max	QAM64	20.36	22.36	PASS
20	38000	100	#0	QAM64	20.17	22.17	PASS
20	38150	1	#0	QAM64	20.99	22.99	PASS
20	38150	1	#Mid	QAM64	21.48	23.48	PASS
20	38150	1	#Max	QAM64	21.18	23.18	PASS
20	38150	50	#0	QAM64	20.19	22.19	PASS
20	38150	50	#Mid	QAM64	20.20	22.20	PASS
20	38150	50	#Max	QAM64	20.35	22.35	PASS
20	38150	100	#0	QAM64	20.31	22.31	PASS



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
LTE band 40 subset 1	5	38725	1	#0	QPSK	22.33	24.33	PASS
	5	38725	1	#Mid	QPSK	22.51	24.51	PASS
	5	38725	1	#Max	QPSK	22.38	24.38	PASS
	5	38725	12	#0	QPSK	21.43	23.43	PASS
	5	38725	12	#Mid	QPSK	21.45	23.45	PASS
	5	38725	12	#Max	QPSK	21.45	23.45	PASS
	5	38725	25	#0	QPSK	21.45	23.45	PASS
	5	38725	1	#0	QAM16	21.51	23.51	PASS
	5	38725	1	#Mid	QAM16	21.66	23.66	PASS
	5	38725	1	#Max	QAM16	21.59	23.59	PASS
	5	38725	12	#0	QAM16	20.39	22.39	PASS
	5	38725	12	#Mid	QAM16	20.40	22.40	PASS
	5	38725	12	#Max	QAM16	20.43	22.43	PASS
	5	38725	25	#0	QAM16	20.45	22.45	PASS
	5	38750	1	#0	QPSK	22.30	24.30	PASS
	5	38750	1	#Mid	QPSK	22.44	24.44	PASS
	5	38750	1	#Max	QPSK	22.35	24.35	PASS
	5	38750	12	#0	QPSK	21.42	23.42	PASS
	5	38750	12	#Mid	QPSK	21.42	23.42	PASS
	5	38750	12	#Max	QPSK	21.46	23.46	PASS
	5	38750	25	#0	QPSK	21.46	23.46	PASS
	5	38750	1	#0	QAM16	21.64	23.64	PASS
	5	38750	1	#Mid	QAM16	21.77	23.77	PASS
	5	38750	1	#Max	QAM16	21.66	23.66	PASS
	5	38750	12	#0	QAM16	20.47	22.47	PASS
	5	38750	12	#Mid	QAM16	20.48	22.48	PASS
	5	38750	12	#Max	QAM16	20.52	22.52	PASS
	5	38750	25	#0	QAM16	20.47	22.47	PASS
	5	38775	1	#0	QPSK	22.41	24.41	PASS
	5	38775	1	#Mid	QPSK	22.55	24.55	PASS
	5	38775	1	#Max	QPSK	22.42	24.42	PASS
	5	38775	12	#0	QPSK	21.44	23.44	PASS
	5	38775	12	#Mid	QPSK	21.45	23.45	PASS
	5	38775	12	#Max	QPSK	21.46	23.46	PASS
	5	38775	25	#0	QPSK	21.46	23.46	PASS
	5	38775	1	#0	QAM16	21.75	23.75	PASS
	5	38775	1	#Mid	QAM16	21.87	23.87	PASS
	5	38775	1	#Max	QAM16	21.81	23.81	PASS
	5	38775	12	#0	QAM16	20.45	22.45	PASS
	5	38775	12	#Mid	QAM16	20.43	22.43	PASS
	5	38775	12	#Max	QAM16	20.45	22.45	PASS



5	38775	25	#0	QAM16	20.51	22.51	PASS
10	38750	1	#0	QPSK	22.44	24.44	PASS
10	38750	1	#Mid	QPSK	22.71	24.71	PASS
10	38750	1	#Max	QPSK	22.53	24.53	PASS
10	38750	25	#0	QPSK	21.50	23.50	PASS
10	38750	25	#Mid	QPSK	21.48	23.48	PASS
10	38750	25	#Max	QPSK	21.52	23.52	PASS
10	38750	50	#0	QPSK	21.54	23.54	PASS
10	38750	1	#0	QAM16	21.78	23.78	PASS
10	38750	1	#Mid	QAM16	22.05	24.05	PASS
10	38750	1	#Max	QAM16	21.84	23.84	PASS
10	38750	25	#0	QAM16	20.60	22.60	PASS
10	38750	25	#Mid	QAM16	20.60	22.60	PASS
10	38750	25	#Max	QAM16	20.65	22.65	PASS
10	38750	50	#0	QAM16	20.57	22.57	PASS
5	38725	1	#0	QAM64	21.16	23.16	PASS
5	38725	1	#Mid	QAM64	21.24	23.24	PASS
5	38725	1	#Max	QAM64	21.20	23.20	PASS
5	38725	12	#0	QAM64	19.95	21.95	PASS
5	38725	12	#Mid	QAM64	19.96	21.96	PASS
5	38725	12	#Max	QAM64	20.01	22.01	PASS
5	38725	25	#0	QAM64	20.00	22.00	PASS
5	38750	1	#0	QAM64	21.28	23.28	PASS
5	38750	1	#Mid	QAM64	21.35	23.35	PASS
5	38750	1	#Max	QAM64	21.29	23.29	PASS
5	38750	12	#0	QAM64	19.95	21.95	PASS
5	38750	12	#Mid	QAM64	19.93	21.93	PASS
5	38750	12	#Max	QAM64	19.99	21.99	PASS
5	38750	25	#0	QAM64	20.02	22.02	PASS
5	38775	1	#0	QAM64	21.12	23.12	PASS
5	38775	1	#Mid	QAM64	21.21	23.21	PASS
5	38775	1	#Max	QAM64	21.14	23.14	PASS
5	38775	12	#0	QAM64	19.96	21.96	PASS
5	38775	12	#Mid	QAM64	19.94	21.94	PASS
5	38775	12	#Max	QAM64	19.97	21.97	PASS
5	38775	25	#0	QAM64	20.01	22.01	PASS
10	38750	1	#0	QAM64	21.29	23.29	PASS
10	38750	1	#Mid	QAM64	21.54	23.54	PASS
10	38750	1	#Max	QAM64	21.41	23.41	PASS
10	38750	25	#0	QAM64	20.15	22.15	PASS
10	38750	25	#Mid	QAM64	20.12	22.12	PASS
10	38750	25	#Max	QAM64	20.17	22.17	PASS
10	38750	50	#0	QAM64	20.09	22.09	PASS



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
LTE band 40 subset 2	5	39175	1	#0	QPSK	22.45	24.45	PASS
	5	39175	1	#Mid	QPSK	22.53	24.53	PASS
	5	39175	1	#Max	QPSK	22.44	24.44	PASS
	5	39175	12	#0	QPSK	21.49	23.49	PASS
	5	39175	12	#Mid	QPSK	21.49	23.49	PASS
	5	39175	12	#Max	QPSK	21.48	23.48	PASS
	5	39175	25	#0	QPSK	21.49	23.49	PASS
	5	39175	1	#0	QAM16	21.59	23.59	PASS
	5	39175	1	#Mid	QAM16	21.73	23.73	PASS
	5	39175	1	#Max	QAM16	21.64	23.64	PASS
	5	39175	12	#0	QAM16	20.45	22.45	PASS
	5	39175	12	#Mid	QAM16	20.46	22.46	PASS
	5	39175	12	#Max	QAM16	20.43	22.43	PASS
	5	39175	25	#0	QAM16	20.46	22.46	PASS
	5	39200	1	#0	QPSK	22.35	24.35	PASS
	5	39200	1	#Mid	QPSK	22.45	24.45	PASS
	5	39200	1	#Max	QPSK	22.33	24.33	PASS
	5	39200	12	#0	QPSK	21.46	23.46	PASS
	5	39200	12	#Mid	QPSK	21.47	23.47	PASS
	5	39200	12	#Max	QPSK	21.45	23.45	PASS
	5	39200	25	#0	QPSK	21.47	23.47	PASS
	5	39200	1	#0	QAM16	21.72	23.72	PASS
	5	39200	1	#Mid	QAM16	21.82	23.82	PASS
	5	39200	1	#Max	QAM16	21.69	23.69	PASS
	5	39200	12	#0	QAM16	20.51	22.51	PASS
	5	39200	12	#Mid	QAM16	20.50	22.50	PASS
	5	39200	12	#Max	QAM16	20.50	22.50	PASS
	5	39200	25	#0	QAM16	20.51	22.51	PASS
	5	39225	1	#0	QPSK	22.43	24.43	PASS
	5	39225	1	#Mid	QPSK	22.52	24.52	PASS
	5	39225	1	#Max	QPSK	22.46	24.46	PASS
	5	39225	12	#0	QPSK	21.49	23.49	PASS
	5	39225	12	#Mid	QPSK	21.48	23.48	PASS
	5	39225	12	#Max	QPSK	21.44	23.44	PASS
	5	39225	25	#0	QPSK	21.47	23.47	PASS
	5	39225	1	#0	QAM16	21.82	23.82	PASS
	5	39225	1	#Mid	QAM16	21.90	23.90	PASS
	5	39225	1	#Max	QAM16	21.83	23.83	PASS
	5	39225	12	#0	QAM16	20.47	22.47	PASS
	5	39225	12	#Mid	QAM16	20.49	22.49	PASS
	5	39225	12	#Max	QAM16	20.41	22.41	PASS



5	39225	25	#0	QAM16	20.50	22.50	PASS
10	39200	1	#0	QPSK	22.46	24.46	PASS
10	39200	1	#Mid	QPSK	22.72	24.72	PASS
10	39200	1	#Max	QPSK	22.46	24.46	PASS
10	39200	25	#0	QPSK	21.53	23.53	PASS
10	39200	25	#Mid	QPSK	21.55	23.55	PASS
10	39200	25	#Max	QPSK	21.45	23.45	PASS
10	39200	50	#0	QPSK	21.53	23.53	PASS
10	39200	1	#0	QAM16	21.86	23.86	PASS
10	39200	1	#Mid	QAM16	22.08	24.08	PASS
10	39200	1	#Max	QAM16	21.85	23.85	PASS
10	39200	25	#0	QAM16	20.62	22.62	PASS
10	39200	25	#Mid	QAM16	20.63	22.63	PASS
10	39200	25	#Max	QAM16	20.54	22.54	PASS
10	39200	50	#0	QAM16	20.53	22.53	PASS
5	39175	1	#0	QAM64	21.20	23.20	PASS
5	39175	1	#Mid	QAM64	21.30	23.30	PASS
5	39175	1	#Max	QAM64	21.20	23.20	PASS
5	39175	12	#0	QAM64	20.01	22.01	PASS
5	39175	12	#Mid	QAM64	20.00	22.00	PASS
5	39175	12	#Max	QAM64	20.01	22.01	PASS
5	39175	25	#0	QAM64	20.01	22.01	PASS
5	39200	1	#0	QAM64	21.29	23.29	PASS
5	39200	1	#Mid	QAM64	21.38	23.38	PASS
5	39200	1	#Max	QAM64	21.27	23.27	PASS
5	39200	12	#0	QAM64	19.94	21.94	PASS
5	39200	12	#Mid	QAM64	19.94	21.94	PASS
5	39200	12	#Max	QAM64	19.89	21.89	PASS
5	39200	25	#0	QAM64	19.96	21.96	PASS
5	39225	1	#0	QAM64	21.14	23.14	PASS
5	39225	1	#Mid	QAM64	21.24	23.24	PASS
5	39225	1	#Max	QAM64	21.12	23.12	PASS
5	39225	12	#0	QAM64	19.96	21.96	PASS
5	39225	12	#Mid	QAM64	19.95	21.95	PASS
5	39225	12	#Max	QAM64	19.86	21.86	PASS
5	39225	25	#0	QAM64	19.97	21.97	PASS
10	39200	1	#0	QAM64	21.33	23.33	PASS
10	39200	1	#Mid	QAM64	21.58	23.58	PASS
10	39200	1	#Max	QAM64	21.34	23.34	PASS
10	39200	25	#0	QAM64	20.13	22.13	PASS
10	39200	25	#Mid	QAM64	20.12	22.12	PASS
10	39200	25	#Max	QAM64	20.05	22.05	PASS
10	39200	50	#0	QAM64	20.04	22.04	PASS



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
LTE band 41	5	40065	1	#0	QPSK	22.21	24.21	PASS
	5	40065	1	#Mid	QPSK	22.39	24.39	PASS
	5	40065	1	#Max	QPSK	22.25	24.25	PASS
	5	40065	12	#0	QPSK	21.35	23.35	PASS
	5	40065	12	#Mid	QPSK	21.34	23.34	PASS
	5	40065	12	#Max	QPSK	21.38	23.38	PASS
	5	40065	25	#0	QPSK	21.39	23.39	PASS
	5	40065	1	#0	QAM16	21.52	23.52	PASS
	5	40065	1	#Mid	QAM16	21.70	23.70	PASS
	5	40065	1	#Max	QAM16	21.63	23.63	PASS
	5	40065	12	#0	QAM16	20.38	22.38	PASS
	5	40065	12	#Mid	QAM16	20.38	22.38	PASS
	5	40065	12	#Max	QAM16	20.41	22.41	PASS
	5	40065	25	#0	QAM16	20.41	22.41	PASS
	5	40640	1	#0	QPSK	22.53	24.53	PASS
	5	40640	1	#Mid	QPSK	22.69	24.69	PASS
	5	40640	1	#Max	QPSK	22.61	24.61	PASS
	5	40640	12	#0	QPSK	21.67	23.67	PASS
	5	40640	12	#Mid	QPSK	21.66	23.66	PASS
	5	40640	12	#Max	QPSK	21.70	23.70	PASS
	5	40640	25	#0	QPSK	21.71	23.71	PASS
	5	40640	1	#0	QAM16	21.95	23.95	PASS
	5	40640	1	#Mid	QAM16	22.13	24.13	PASS
	5	40640	1	#Max	QAM16	22.02	24.02	PASS
	5	40640	12	#0	QAM16	20.65	22.65	PASS
	5	40640	12	#Mid	QAM16	20.63	22.63	PASS
	5	40640	12	#Max	QAM16	20.68	22.68	PASS
	5	40640	25	#0	QAM16	20.71	22.71	PASS
	5	41215	1	#0	QPSK	22.77	24.77	PASS
	5	41215	1	#Mid	QPSK	22.93	24.93	PASS
	5	41215	1	#Max	QPSK	22.85	24.85	PASS
	5	41215	12	#0	QPSK	21.96	23.96	PASS
	5	41215	12	#Mid	QPSK	21.95	23.95	PASS
	5	41215	12	#Max	QPSK	21.92	23.92	PASS
	5	41215	25	#0	QPSK	21.95	23.95	PASS
	5	41215	1	#0	QAM16	22.03	24.03	PASS
	5	41215	1	#Mid	QAM16	22.16	24.16	PASS
	5	41215	1	#Max	QAM16	22.07	24.07	PASS
	5	41215	12	#0	QAM16	20.89	22.89	PASS
	5	41215	12	#Mid	QAM16	20.92	22.92	PASS



5	41215	12	#Max	QAM16	20.87	22.87	PASS
5	41215	25	#0	QAM16	20.94	22.94	PASS
10	40090	1	#0	QPSK	22.29	24.29	PASS
10	40090	1	#Mid	QPSK	22.55	24.55	PASS
10	40090	1	#Max	QPSK	22.39	24.39	PASS
10	40090	25	#0	QPSK	21.44	23.44	PASS
10	40090	25	#Mid	QPSK	21.42	23.42	PASS
10	40090	25	#Max	QPSK	21.41	23.41	PASS
10	40090	50	#0	QPSK	21.41	23.41	PASS
10	40090	1	#0	QAM16	21.63	23.63	PASS
10	40090	1	#Mid	QAM16	21.91	23.91	PASS
10	40090	1	#Max	QAM16	21.79	23.79	PASS
10	40090	25	#0	QAM16	20.51	22.51	PASS
10	40090	25	#Mid	QAM16	20.51	22.51	PASS
10	40090	25	#Max	QAM16	20.53	22.53	PASS
10	40090	50	#0	QAM16	20.42	22.42	PASS
10	40640	1	#0	QPSK	22.59	24.59	PASS
10	40640	1	#Mid	QPSK	22.89	24.89	PASS
10	40640	1	#Max	QPSK	22.77	24.77	PASS
10	40640	25	#0	QPSK	21.65	23.65	PASS
10	40640	25	#Mid	QPSK	21.68	23.68	PASS
10	40640	25	#Max	QPSK	21.86	23.86	PASS
10	40640	50	#0	QPSK	21.73	23.73	PASS
10	40640	1	#0	QAM16	21.78	23.78	PASS
10	40640	1	#Mid	QAM16	21.98	23.98	PASS
10	40640	1	#Max	QAM16	21.82	23.82	PASS
10	40640	25	#0	QAM16	20.72	22.72	PASS
10	40640	25	#Mid	QAM16	20.73	22.73	PASS
10	40640	25	#Max	QAM16	20.90	22.90	PASS
10	40640	50	#0	QAM16	20.72	22.72	PASS
10	41190	1	#0	QPSK	22.84	24.84	PASS
10	41190	1	#Mid	QPSK	23.05	25.05	PASS
10	41190	1	#Max	QPSK	22.89	24.89	PASS
10	41190	25	#0	QPSK	21.93	23.93	PASS
10	41190	25	#Mid	QPSK	21.94	23.94	PASS
10	41190	25	#Max	QPSK	21.92	23.92	PASS
10	41190	50	#0	QPSK	21.97	23.97	PASS
10	41190	1	#0	QAM16	21.81	23.81	PASS
10	41190	1	#Mid	QAM16	22.01	24.01	PASS
10	41190	1	#Max	QAM16	21.85	23.85	PASS
10	41190	25	#0	QAM16	20.97	22.97	PASS
10	41190	25	#Mid	QAM16	20.96	22.96	PASS
10	41190	25	#Max	QAM16	20.94	22.94	PASS



10	41190	50	#0	QAM16	20.97	22.97	PASS
15	40115	1	#0	QPSK	22.16	24.16	PASS
15	40115	1	#Mid	QPSK	22.41	24.41	PASS
15	40115	1	#Max	QPSK	22.38	24.38	PASS
15	40115	36	#0	QPSK	21.44	23.44	PASS
15	40115	36	#Mid	QPSK	21.42	23.42	PASS
15	40115	36	#Max	QPSK	21.52	23.52	PASS
15	40115	75	#0	QPSK	21.47	23.47	PASS
15	40115	1	#0	QAM16	21.49	23.49	PASS
15	40115	1	#Mid	QAM16	21.79	23.79	PASS
15	40115	1	#Max	QAM16	21.75	23.75	PASS
15	40115	36	#0	QAM16	20.40	22.40	PASS
15	40115	36	#Mid	QAM16	20.43	22.43	PASS
15	40115	36	#Max	QAM16	20.47	22.47	PASS
15	40115	75	#0	QAM16	20.45	22.45	PASS
15	40640	1	#0	QPSK	22.49	24.49	PASS
15	40640	1	#Mid	QPSK	22.71	24.71	PASS
15	40640	1	#Max	QPSK	22.71	24.71	PASS
15	40640	36	#0	QPSK	21.63	23.63	PASS
15	40640	36	#Mid	QPSK	21.65	23.65	PASS
15	40640	36	#Max	QPSK	21.82	23.82	PASS
15	40640	75	#0	QPSK	21.73	23.73	PASS
15	40640	1	#0	QAM16	21.55	23.55	PASS
15	40640	1	#Mid	QAM16	21.75	23.75	PASS
15	40640	1	#Max	QAM16	21.79	23.79	PASS
15	40640	36	#0	QAM16	20.65	22.65	PASS
15	40640	36	#Mid	QAM16	20.62	22.62	PASS
15	40640	36	#Max	QAM16	20.81	22.81	PASS
15	40640	75	#0	QAM16	20.71	22.71	PASS
15	41165	1	#0	QPSK	22.78	24.78	PASS
15	41165	1	#Mid	QPSK	22.93	24.93	PASS
15	41165	1	#Max	QPSK	22.83	24.83	PASS
15	41165	36	#0	QPSK	21.94	23.94	PASS
15	41165	36	#Mid	QPSK	21.94	23.94	PASS
15	41165	36	#Max	QPSK	21.95	23.95	PASS
15	41165	75	#0	QPSK	21.99	23.99	PASS
15	41165	1	#0	QAM16	21.84	23.84	PASS
15	41165	1	#Mid	QAM16	22.01	24.01	PASS
15	41165	1	#Max	QAM16	21.93	23.93	PASS
15	41165	36	#0	QAM16	20.91	22.91	PASS
15	41165	36	#Mid	QAM16	20.92	22.92	PASS
15	41165	36	#Max	QAM16	20.85	22.85	PASS
15	41165	75	#0	QAM16	20.98	22.98	PASS



20	40140	1	#0	QPSK	22.04	24.04	PASS
20	40140	1	#Mid	QPSK	22.58	24.58	PASS
20	40140	1	#Max	QPSK	22.21	24.21	PASS
20	40140	50	#0	QPSK	21.36	23.36	PASS
20	40140	50	#Mid	QPSK	21.35	23.35	PASS
20	40140	50	#Max	QPSK	21.41	23.41	PASS
20	40140	100	#0	QPSK	21.41	23.41	PASS
20	40140	1	#0	QAM16	21.22	23.22	PASS
20	40140	1	#Mid	QAM16	21.81	23.81	PASS
20	40140	1	#Max	QAM16	21.47	23.47	PASS
20	40140	50	#0	QAM16	20.39	22.39	PASS
20	40140	50	#Mid	QAM16	20.44	22.44	PASS
20	40140	50	#Max	QAM16	20.45	22.45	PASS
20	40140	100	#0	QAM16	20.40	22.40	PASS
20	40640	1	#0	QPSK	22.30	24.30	PASS
20	40640	1	#Mid	QPSK	22.84	24.84	PASS
20	40640	1	#Max	QPSK	22.51	24.51	PASS
20	40640	50	#0	QPSK	21.50	23.50	PASS
20	40640	50	#Mid	QPSK	21.52	23.52	PASS
20	40640	50	#Max	QPSK	21.82	23.82	PASS
20	40640	100	#0	QPSK	21.69	23.69	PASS
20	40640	1	#0	QAM16	21.32	23.32	PASS
20	40640	1	#Mid	QAM16	21.89	23.89	PASS
20	40640	1	#Max	QAM16	21.62	23.62	PASS
20	40640	50	#0	QAM16	20.50	22.50	PASS
20	40640	50	#Mid	QAM16	20.48	22.48	PASS
20	40640	50	#Max	QAM16	20.79	22.79	PASS
20	40640	100	#0	QAM16	20.70	22.70	PASS
20	41140	1	#0	QPSK	22.57	24.57	PASS
20	41140	1	#Mid	QPSK	23.05	25.05	PASS
20	41140	1	#Max	QPSK	22.66	24.66	PASS
20	41140	50	#0	QPSK	21.92	23.92	PASS
20	41140	50	#Mid	QPSK	21.92	23.92	PASS
20	41140	50	#Max	QPSK	21.90	23.90	PASS
20	41140	100	#0	QPSK	21.90	23.90	PASS
20	41140	1	#0	QAM16	21.29	23.29	PASS
20	41140	1	#Mid	QAM16	21.75	23.75	PASS
20	41140	1	#Max	QAM16	21.38	23.38	PASS
20	41140	50	#0	QAM16	20.99	22.99	PASS
20	41140	50	#Mid	QAM16	20.98	22.98	PASS
20	41140	50	#Max	QAM16	20.91	22.91	PASS
20	41140	100	#0	QAM16	20.94	22.94	PASS
5	40065	1	#0	QAM64	21.04	23.04	PASS



5	40065	1	#Mid	QAM64	21.26	23.26	PASS
5	40065	1	#Max	QAM64	21.15	23.15	PASS
5	40065	12	#0	QAM64	19.92	21.92	PASS
5	40065	12	#Mid	QAM64	19.91	21.91	PASS
5	40065	12	#Max	QAM64	19.95	21.95	PASS
5	40065	25	#0	QAM64	19.93	21.93	PASS
5	40640	1	#0	QAM64	21.48	23.48	PASS
5	40640	1	#Mid	QAM64	21.66	23.66	PASS
5	40640	1	#Max	QAM64	21.57	23.57	PASS
5	40640	12	#0	QAM64	20.17	22.17	PASS
5	40640	12	#Mid	QAM64	20.18	22.18	PASS
5	40640	12	#Max	QAM64	20.21	22.21	PASS
5	40640	25	#0	QAM64	20.26	22.26	PASS
5	41215	1	#0	QAM64	21.48	23.48	PASS
5	41215	1	#Mid	QAM64	21.64	23.64	PASS
5	41215	1	#Max	QAM64	21.55	23.55	PASS
5	41215	12	#0	QAM64	20.39	22.39	PASS
5	41215	12	#Mid	QAM64	20.40	22.40	PASS
5	41215	12	#Max	QAM64	20.37	22.37	PASS
5	41215	25	#0	QAM64	20.44	22.44	PASS
10	40090	1	#0	QAM64	21.16	23.16	PASS
10	40090	1	#Mid	QAM64	21.47	23.47	PASS
10	40090	1	#Max	QAM64	21.35	23.35	PASS
10	40090	25	#0	QAM64	20.05	22.05	PASS
10	40090	25	#Mid	QAM64	20.03	22.03	PASS
10	40090	25	#Max	QAM64	20.06	22.06	PASS
10	40090	50	#0	QAM64	19.97	21.97	PASS
10	40640	1	#0	QAM64	21.22	23.22	PASS
10	40640	1	#Mid	QAM64	21.52	23.52	PASS
10	40640	1	#Max	QAM64	21.39	23.39	PASS
10	40640	25	#0	QAM64	20.25	22.25	PASS
10	40640	25	#Mid	QAM64	20.25	22.25	PASS
10	40640	25	#Max	QAM64	20.41	22.41	PASS
10	40640	50	#0	QAM64	20.26	22.26	PASS
10	41190	1	#0	QAM64	21.30	23.30	PASS
10	41190	1	#Mid	QAM64	21.49	23.49	PASS
10	41190	1	#Max	QAM64	21.30	23.30	PASS
10	41190	25	#0	QAM64	20.45	22.45	PASS
10	41190	25	#Mid	QAM64	20.45	22.45	PASS
10	41190	25	#Max	QAM64	20.39	22.39	PASS
10	41190	50	#0	QAM64	20.46	22.46	PASS
15	40115	1	#0	QAM64	21.05	23.05	PASS
15	40115	1	#Mid	QAM64	21.31	23.31	PASS



15	40115	1	#Max	QAM64	21.30	23.30	PASS
15	40115	36	#0	QAM64	19.94	21.94	PASS
15	40115	36	#Mid	QAM64	19.96	21.96	PASS
15	40115	36	#Max	QAM64	20.03	22.03	PASS
15	40115	75	#0	QAM64	20.00	22.00	PASS
15	40640	1	#0	QAM64	21.11	23.11	PASS
15	40640	1	#Mid	QAM64	21.34	23.34	PASS
15	40640	1	#Max	QAM64	21.33	23.33	PASS
15	40640	36	#0	QAM64	20.16	22.16	PASS
15	40640	36	#Mid	QAM64	20.14	22.14	PASS
15	40640	36	#Max	QAM64	20.35	22.35	PASS
15	40640	75	#0	QAM64	20.24	22.24	PASS
15	41165	1	#0	QAM64	21.34	23.34	PASS
15	41165	1	#Mid	QAM64	21.48	23.48	PASS
15	41165	1	#Max	QAM64	21.40	23.40	PASS
15	41165	36	#0	QAM64	20.44	22.44	PASS
15	41165	36	#Mid	QAM64	20.40	22.40	PASS
15	41165	36	#Max	QAM64	20.36	22.36	PASS
15	41165	75	#0	QAM64	20.44	22.44	PASS
20	40140	1	#0	QAM64	20.72	22.72	PASS
20	40140	1	#Mid	QAM64	21.36	23.36	PASS
20	40140	1	#Max	QAM64	20.99	22.99	PASS
20	40140	50	#0	QAM64	19.92	21.92	PASS
20	40140	50	#Mid	QAM64	19.91	21.91	PASS
20	40140	50	#Max	QAM64	19.97	21.97	PASS
20	40140	100	#0	QAM64	19.97	21.97	PASS
20	40640	1	#0	QAM64	20.83	22.83	PASS
20	40640	1	#Mid	QAM64	21.40	23.40	PASS
20	40640	1	#Max	QAM64	21.10	23.10	PASS
20	40640	50	#0	QAM64	20.05	22.05	PASS
20	40640	50	#Mid	QAM64	20.05	22.05	PASS
20	40640	50	#Max	QAM64	20.30	22.30	PASS
20	40640	100	#0	QAM64	20.22	22.22	PASS
20	41140	1	#0	QAM64	20.79	22.79	PASS
20	41140	1	#Mid	QAM64	21.24	23.24	PASS
20	41140	1	#Max	QAM64	20.85	22.85	PASS
20	41140	50	#0	QAM64	20.51	22.51	PASS
20	41140	50	#Mid	QAM64	20.48	22.48	PASS
20	41140	50	#Max	QAM64	20.41	22.41	PASS
20	41140	100	#0	QAM64	20.41	22.41	PASS

5.2 Occupied Bandwidth

Ambient condition

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

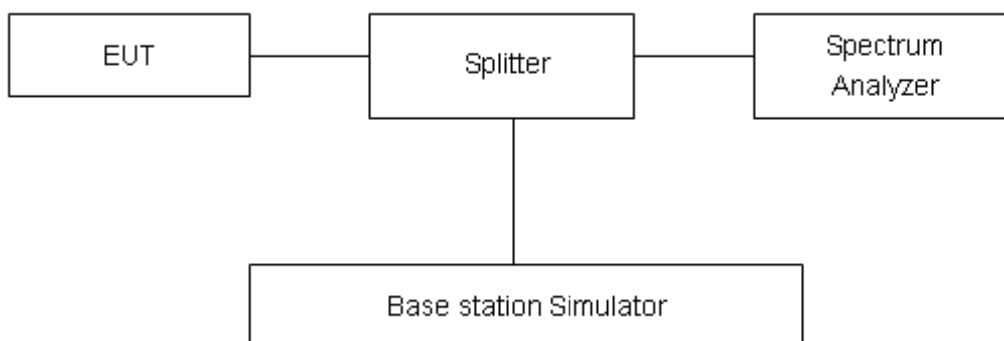
Method of Measurement

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

Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth(MHz)
WCDMA Band IV (RMC)	1312	1712.4	4.1608	4.640
	1413	1732.6	4.1601	4.660
	1513	1752.6	4.1568	4.681

LTE Band 4						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	19957	1710.7	1.100	1.267
			20175	1732.5	1.096	1.274
			20393	1754.3	1.092	1.295
		3	19965	1711.5	2.692	2.926
			20175	1732.5	2.690	2.906
			20385	1753.5	2.682	2.913
		5	19975	1712.5	4.516	4.924
			20175	1732.5	4.496	4.887
			20375	1752.5	4.511	4.908
		10	20000	1715	9.023	9.618
			20175	1732.5	8.973	9.796
			20350	1750	8.984	9.649
		15	20025	1717.5	13.497	14.517
			20175	1732.5	13.463	14.471
			20325	1747.5	13.436	14.353
		20	20050	1720	17.959	19.376
			20175	1732.5	17.931	19.273
			20300	1745	17.931	19.249
	16QAM	1.4	19957	1710.7	1.094	1.296
			20175	1732.5	1.098	1.304
			20393	1754.3	1.091	1.283
		3	19965	1711.5	2.684	2.925
			20175	1732.5	2.686	2.910
			20385	1753.5	2.687	2.928
		5	19975	1712.5	4.507	4.905
			20175	1732.5	4.505	4.897
			20375	1752.5	4.502	4.838
		10	20000	1715	9.014	9.578
			20175	1732.5	8.990	9.783
			20350	1750	8.967	9.681



		15	20025	1717.5	13.473	14.377
			20175	1732.5	13.477	14.526
			20325	1747.5	13.437	14.390
		20	20050	1720	17.955	19.168
			20175	1732.5	18.001	19.230
			20300	1745	17.954	19.165
	64QAM	1.4	19957	1710.7	1.095	1.286
			20175	1732.5	1.098	1.293
			20393	1754.3	1.090	1.281
		3	19965	1711.5	2.682	2.907
			20175	1732.5	2.684	2.921
			20385	1753.5	2.694	2.928
		5	19975	1712.5	4.499	4.882
			20175	1732.5	4.503	4.904
			20375	1752.5	4.504	4.898
		10	20000	1715	8.996	9.767
			20175	1732.5	8.979	9.656
			20350	1750	9.006	9.826
		15	20025	1717.5	13.467	15.918
			20175	1732.5	13.473	14.434
			20325	1747.5	13.470	14.508
		20	20050	1720	17.963	19.231
			20175	1732.5	17.959	19.263
			20300	1745	17.953	19.244

LTE Band 7						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	20775	2502.5	4.509	4.899
			21100	2535	4.524	4.926
			21425	2567.5	4.502	4.900
		10	20800	2505	8.982	9.677
			21100	2535	9.021	9.673
			21400	2565	9.006	9.721
		15	20825	2507.5	13.481	14.516
			21100	2535	13.428	14.450
			21375	2562.5	13.451	14.553
		20	20850	2510	17.941	19.356
			21100	2535	17.956	19.539
			21350	2560	18.001	19.291



	16QAM	5	20775	2502.5	4.498	4.907
			21100	2535	4.505	4.910
			21425	2567.5	4.527	4.868
		10	20800	2505	8.995	9.549
			21100	2535	8.995	9.699
			21400	2565	8.967	9.614
		15	20825	2507.5	13.461	14.487
			21100	2535	13.503	14.521
			21375	2562.5	13.472	14.599
		20	20850	2510	17.946	19.300
			21100	2535	18.021	19.123
			21350	2560	17.952	19.225
	64QAM	5	20775	2502.5	4.509	4.906
			21100	2535	4.506	4.896
			21425	2567.5	4.509	4.907
		10	20800	2505	9.008	9.766
			21100	2535	8.984	9.702
			21400	2565	9.001	9.649
		15	20825	2507.5	13.499	14.561
			21100	2535	13.467	14.574
			21375	2562.5	13.500	14.424
		20	20850	2510	17.955	19.032
			21100	2535	17.935	19.275
			21350	2560	17.969	19.386



LTE Band 28 (703~716MHz)						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	3	27225	704.5	2.700	2.907
			27275	709	2.687	2.913
			27325	714.5	2.700	2.903
		5	27235	705.5	4.524	5.106
			27275	709	4.511	5.118
			27315	713.5	4.515	5.077
		10	27260	708	9.004	10.048
			27275	709	9.000	9.839
			27290	711	9.000	9.869
	16QAM	3	27225	704.5	2.679	2.914
			27275	709	2.679	2.914
			27325	714.5	2.689	2.903
		5	27235	705.5	4.522	5.151
			27275	709	4.529	5.083
			27315	713.5	4.541	5.221
		10	27260	708	8.986	9.889
			27275	709	9.031	9.872
			27290	711	9.031	10.057
	64QAM	3	27225	704.5	2.685	2.913
			27275	709	2.685	2.915
			27325	714.5	2.685	2.921
		5	27235	705.5	4.535	5.307
			27275	709	4.522	5.084
			27315	713.5	4.530	5.028
		10	27260	708	9.029	9.957
			27275	709	9.007	10.014
			27290	711	9.007	10.026



LTE Band 28 (728~746MHz)						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	3	27475	729.5	2.685	2.941
			27550	737	2.686	2.936
			27625	744.5	2.691	2.912
		5	27485	730.5	4.517	5.095
			27550	737	4.510	5.049
			27615	743.5	4.544	5.129
		10	27510	733	8.986	10.100
			27550	737	9.025	9.853
			27590	741	9.019	10.011
		15	27535	735.5	13.505	15.109
			27550	737	13.515	14.758
			27565	738.5	13.491	14.840
	16QAM	3	27475	729.5	2.682	2.906
			27550	737	2.688	2.900
			27625	744.5	2.686	2.926
		5	27485	730.5	4.538	5.162
			27550	737	4.531	5.198
			27615	743.5	4.519	5.148
		10	27510	733	9.017	9.933
			27550	737	8.993	9.983
			27590	741	8.997	9.873
		15	27535	735.5	13.505	14.962
			27550	737	13.491	15.208
			27565	738.5	13.506	14.998
	64QAM	3	27475	729.5	2.690	2.913
			27550	737	2.679	2.902
			27625	744.5	2.682	2.910
		5	27485	730.5	4.527	5.154
			27550	737	4.523	5.089
			27615	743.5	4.519	5.130
		10	27510	733	9.019	9.910
			27550	737	8.989	9.879
			27590	741	8.985	10.009
		15	27535	735.5	13.501	15.025
			27550	737	13.481	15.027
			27565	738.5	13.537	14.809



LTE Band 38						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	37775	2572.5	4.509	4.870
			38000	2595	4.495	4.905
			38225	2617.5	4.500	4.963
		10	37800	2575	9.012	9.535
			38000	2595	8.986	9.698
			38200	2615	8.994	9.714
		15	37825	2577.5	13.481	14.734
			38000	2595	13.465	14.398
			38175	2612.5	13.432	14.475
		20	37850	2580	17.942	19.884
			38000	2595	17.977	19.204
			38150	2610	17.914	19.889
	16QAM	5	37775	2572.5	4.506	4.887
			38000	2595	4.506	4.884
			38225	2617.5	4.501	4.923
		10	37800	2575	8.986	9.699
			38000	2595	8.972	9.510
			38200	2615	8.977	10.103
		15	37825	2577.5	13.520	15.781
			38000	2595	13.473	14.728
			38175	2612.5	13.455	14.942
		20	37850	2580	17.965	19.345
			38000	2595	17.928	19.155
			38150	2610	17.878	18.975
	64QAM	5	37775	2572.5	4.506	4.949
			38000	2595	4.499	5.044
			38225	2617.5	4.503	4.848
		10	37800	2575	8.992	9.689
			38000	2595	8.990	9.545
			38200	2615	8.992	9.674
		15	37825	2577.5	13.464	14.677
			38000	2595	13.440	14.458
			38175	2612.5	13.494	14.872
		20	37850	2580	17.941	20.486
			38000	2595	17.950	19.177
			38150	2610	17.936	19.750



LTE band 40 (2305~2315)						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	38725	2307.5	4.527	4.927
			38750	2310	4.509	4.928
			38775	2312.5	4.501	5.341
		10	38750	2310	8.998	10.044
	16QAM	5	38725	2307.5	4.502	5.154
			38750	2310	4.513	5.212
			38775	2312.5	4.521	5.057
		10	38750	2310	8.992	9.944
	64QAM	5	38725	2307.5	4.514	5.040
			38750	2310	4.491	5.091
			38775	2312.5	4.495	5.015
		10	38750	2310	9.018	10.048

LTE band 40 (2350~2360)						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	39175	2352.5	4.511	4.974
			39200	2355	4.511	5.005
			39225	2357.5	4.505	5.157
		10	39200	2355	8.983	10.009
	16QAM	5	39175	2352.5	4.501	5.102
			39200	2355	4.507	5.044
			39225	2357.5	4.513	5.175
		10	39200	2355	8.973	9.958
	64QAM	5	39175	2352.5	4.523	5.042
			39200	2355	4.503	5.294
			39225	2357.5	4.501	5.007
		10	39200	2355	8.984	9.872

LTE Band 41						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	40065	2537.5	4.503	4.903
			40640	2595	4.505	4.894
			41215	2652.5	4.515	4.816
		10	40090	2540	8.992	9.582



			40640	2595	9.007	9.555
			41190	2650	9.013	9.592
		15	40115	2542.5	13.472	14.329
			40640	2595	13.466	14.342
			41165	2647.5	13.443	14.406
		20	40140	2545	17.921	19.161
			40640	2595	17.908	19.151
			41140	2645	18.006	18.969
	16QAM	5	40065	2537.5	4.498	5.005
			40640	2595	4.481	4.841
			41215	2652.5	4.471	4.855
		10	40090	2540	8.980	10.186
			40640	2595	8.972	9.869
			41190	2650	8.966	9.679
		15	40115	2542.5	13.498	15.803
			40640	2595	13.456	15.199
			41165	2647.5	13.454	14.464
		20	40140	2545	17.935	20.561
			40640	2595	17.951	19.424
			41140	2645	17.945	19.064
	64QAM	5	40065	2537.5	4.501	5.015
			40640	2595	4.500	4.862
			41215	2652.5	4.507	5.067
		10	40090	2540	9.002	9.603
			40640	2595	8.980	9.806
			41190	2650	8.967	9.923
		15	40115	2542.5	13.434	14.917
			40640	2595	13.491	15.490
			41165	2647.5	13.465	15.867
		20	40140	2545	17.939	19.583
			40640	2595	17.930	19.601
			41140	2645	17.939	19.368



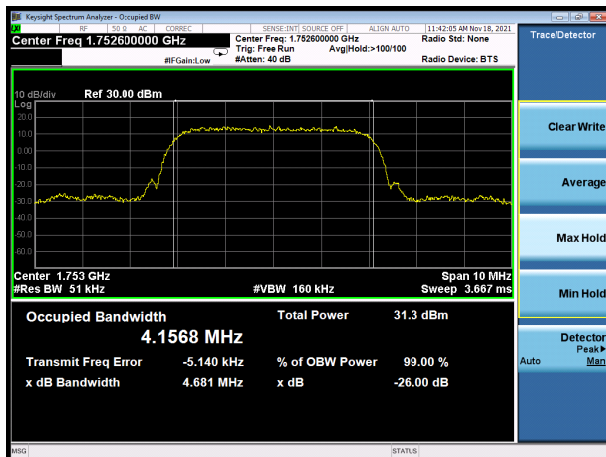
WCDMA Band IV CH-Low



WCDMA Band IV CH Middle

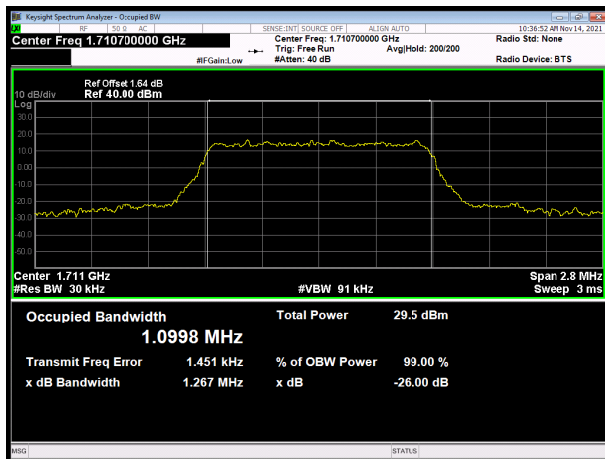


WCDMA Band IV CH High

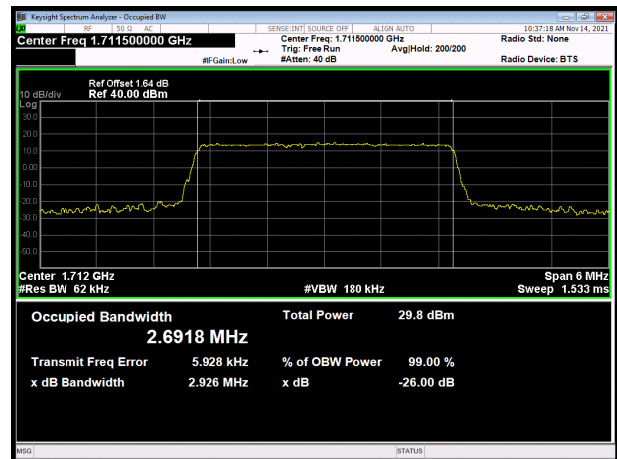




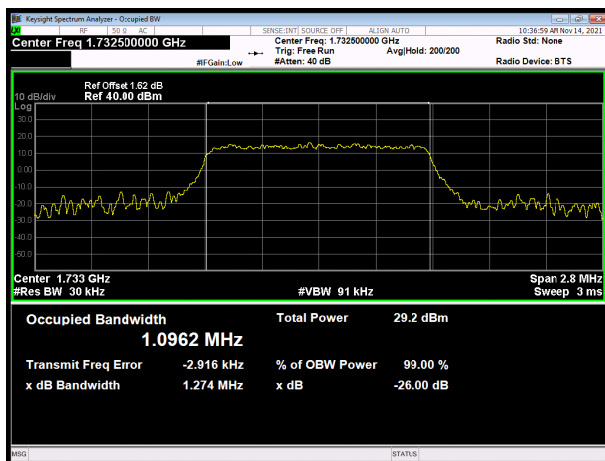
LTE Band 4 QPSK 1.4MHz CH-Low



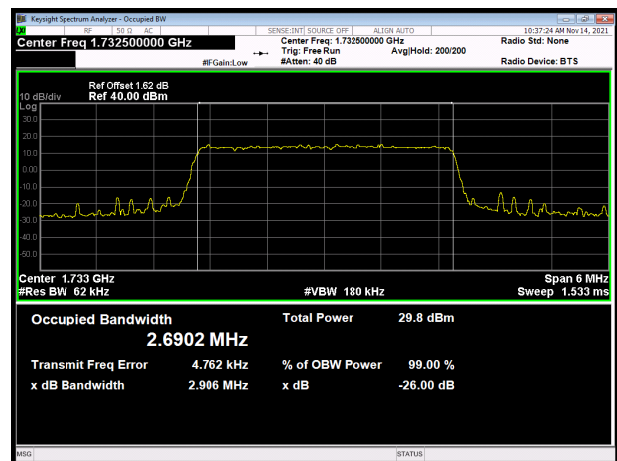
LTE Band 4 QPSK 3MHz CH-Low



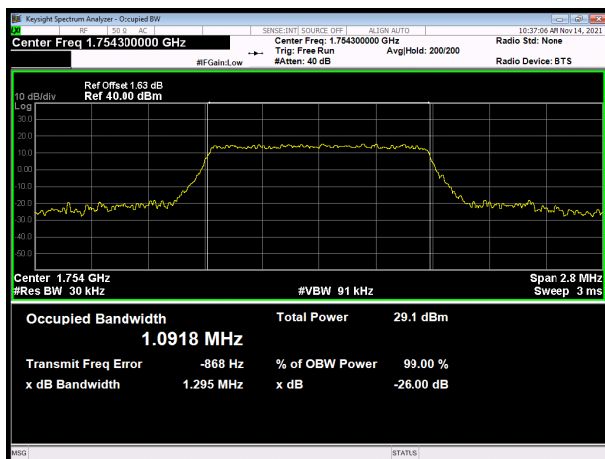
LTE Band 4 QPSK 1.4MHz CH-Middle



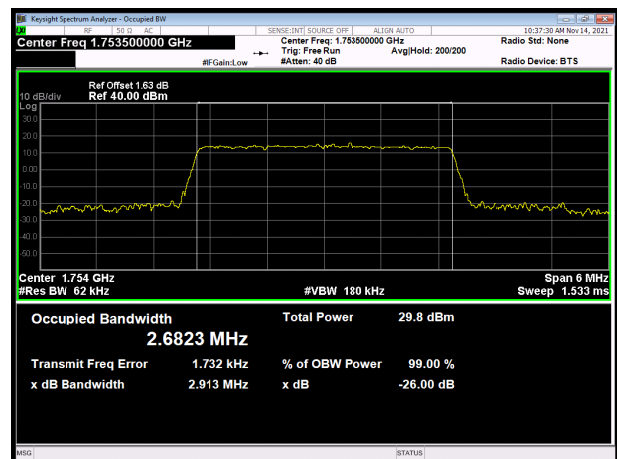
LTE Band 4 QPSK 3MHz CH-Middle



LTE Band 4 QPSK 1.4MHz CH-High

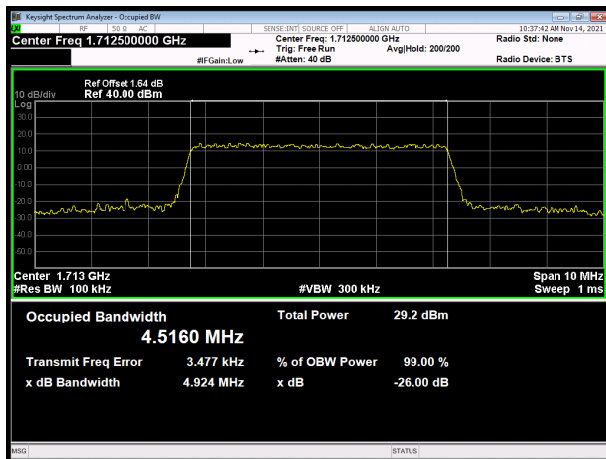


LTE Band 4 QPSK 3MHz CH-High

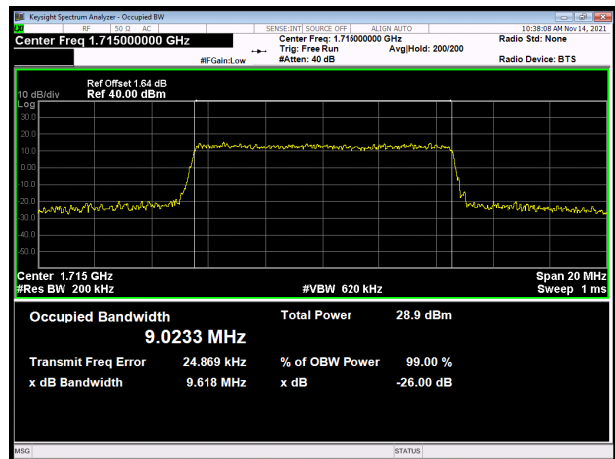




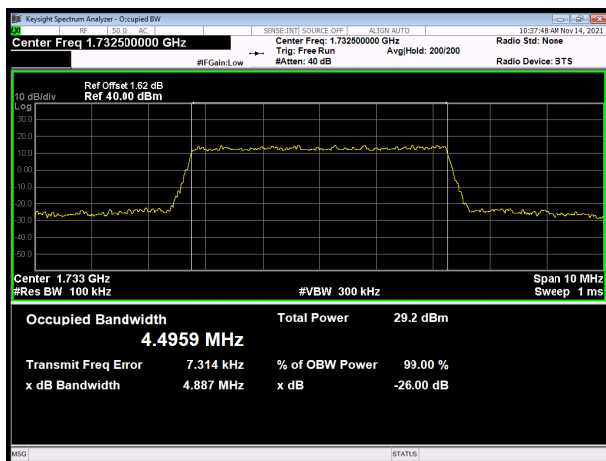
LTE Band 4 QPSK 5MHz CH-Low



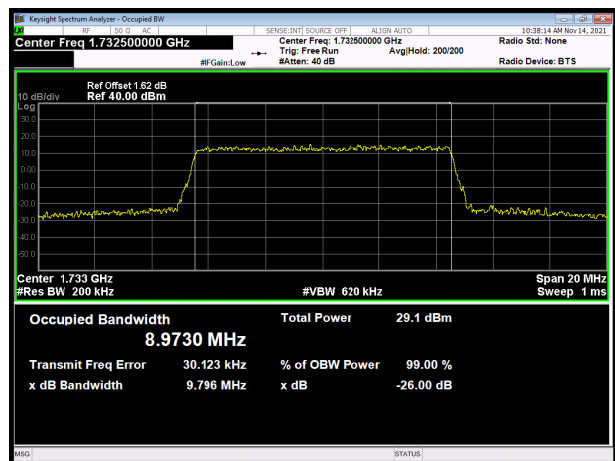
LTE Band 4 QPSK 10MHz CH-Low



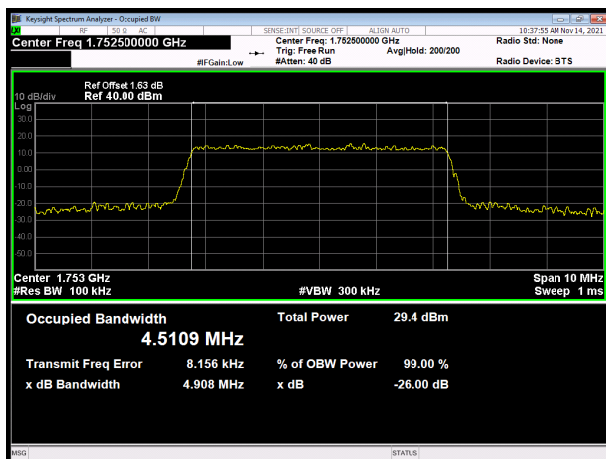
LTE Band 4 QPSK 5MHz CH-Middle



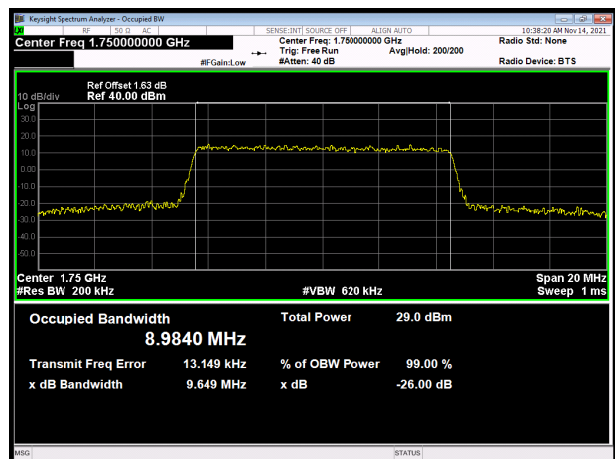
LTE Band 4 QPSK 10MHz CH-Middle



LTE Band 4 QPSK 5MHz CH-High

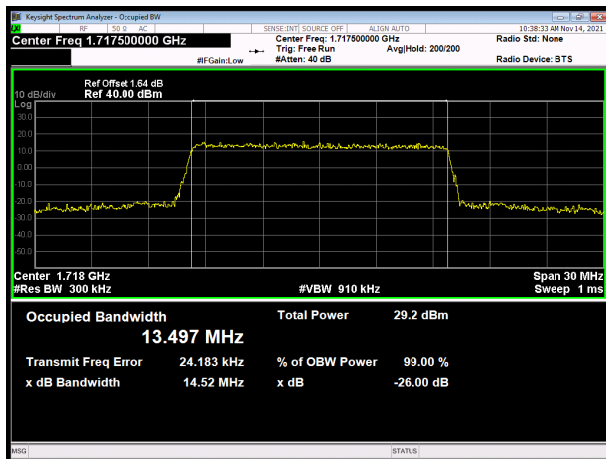


LTE Band 4 QPSK 10MHz CH-High

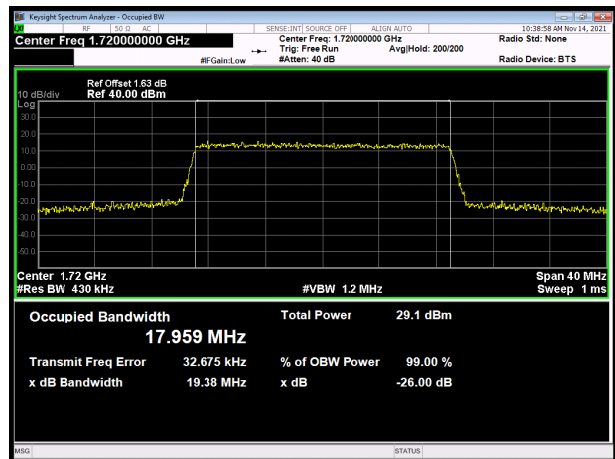




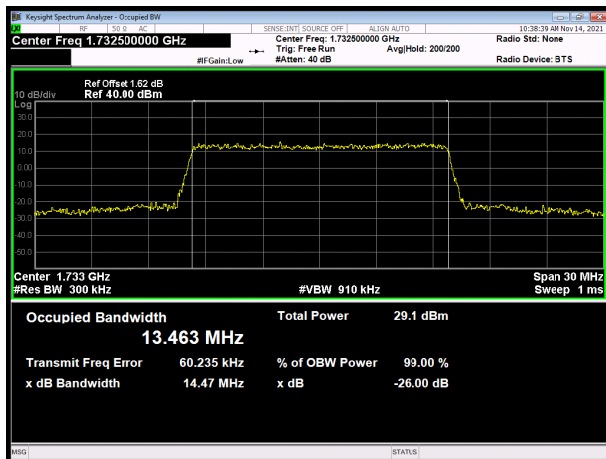
LTE Band 4 QPSK 15MHz CH-Low



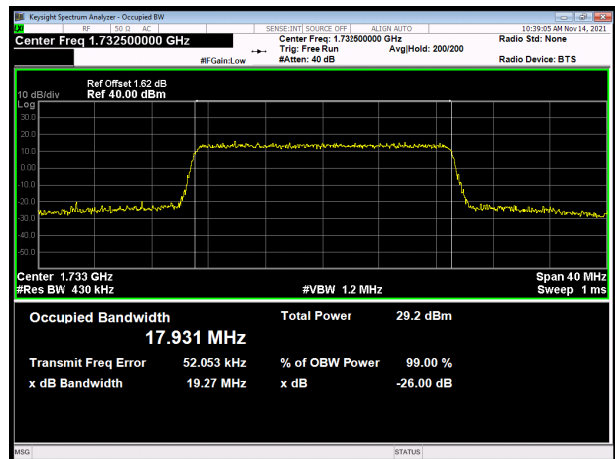
LTE Band 4 QPSK 20MHz CH-Low



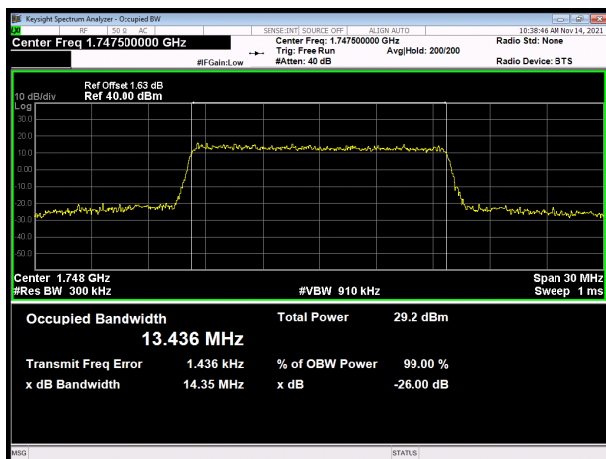
LTE Band 4 QPSK 15MHz CH-Middle



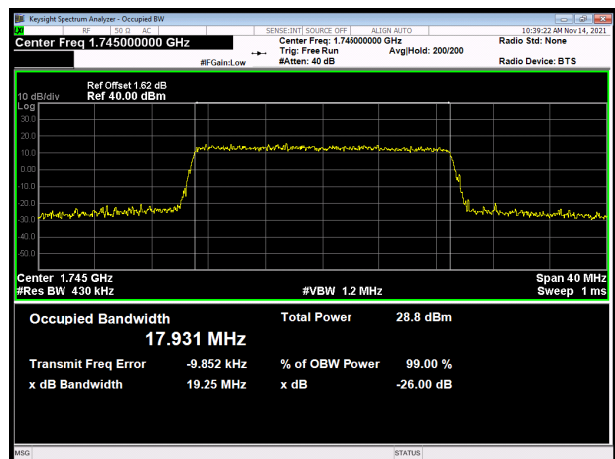
LTE Band 4 QPSK 20MHz CH-Middle



LTE Band 4 QPSK 15MHz CH-High

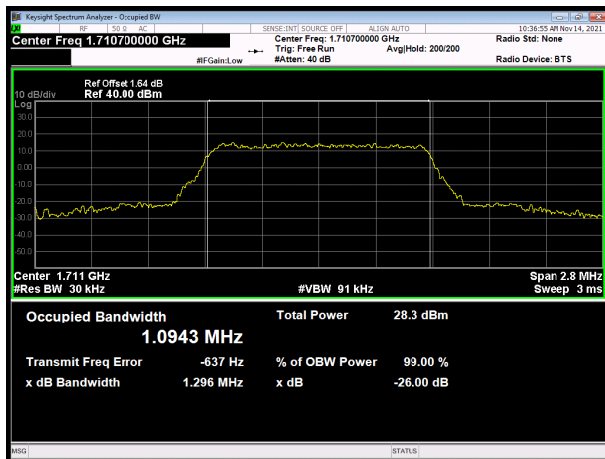


LTE Band 4 QPSK 20MHz CH-High

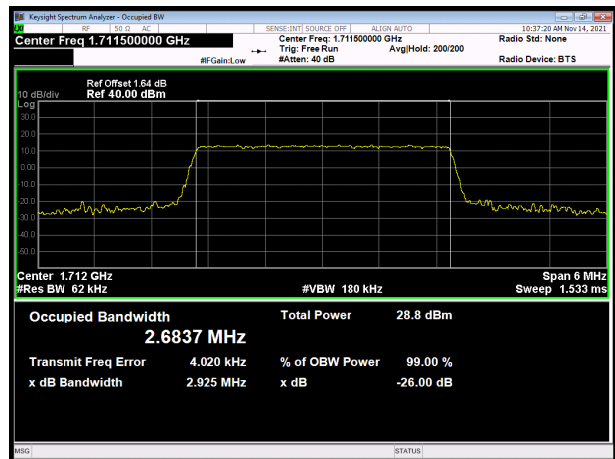




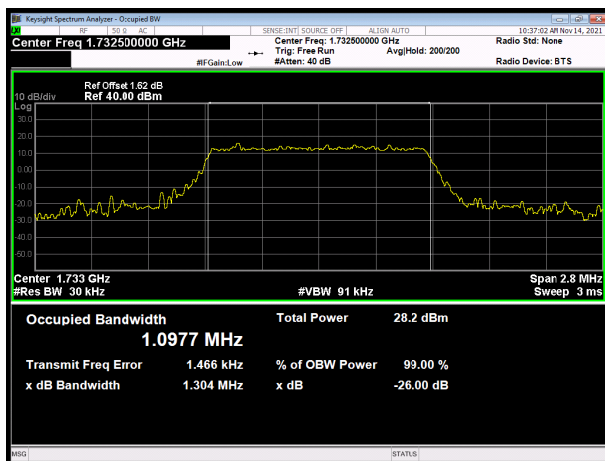
LTE Band 4 16QAM 1.4MHz CH-Low



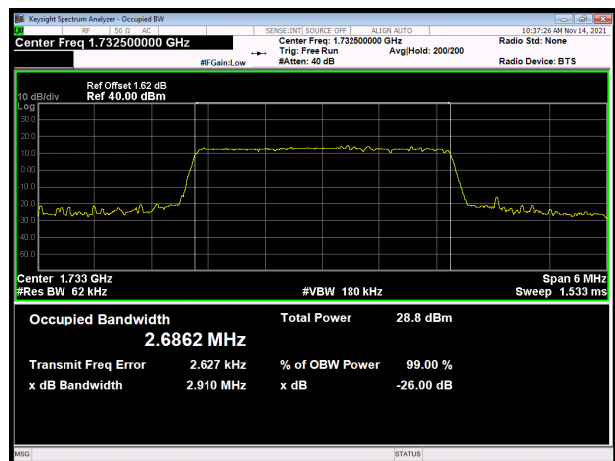
LTE Band 4 16QAM 3MHz CH-Low



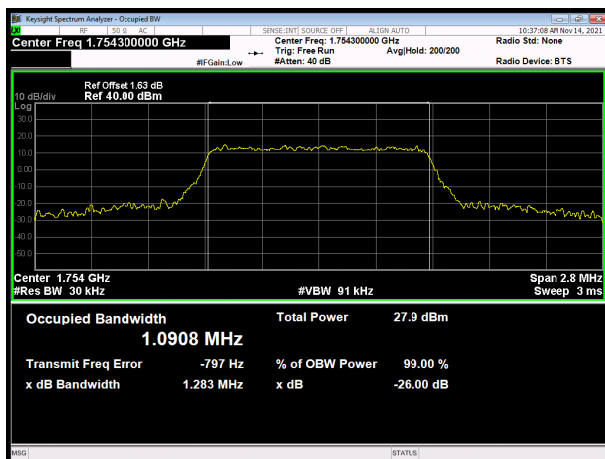
LTE Band 4 16QAM 1.4MHz CH-Middle



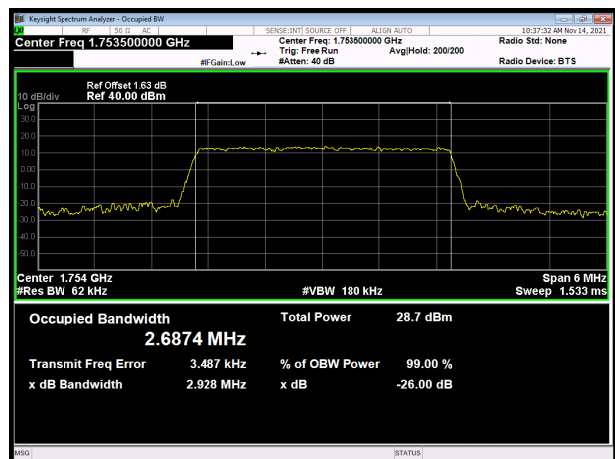
LTE Band 4 16QAM 3MHz CH-Middle



LTE Band 4 16QAM 1.4MHz CH-High

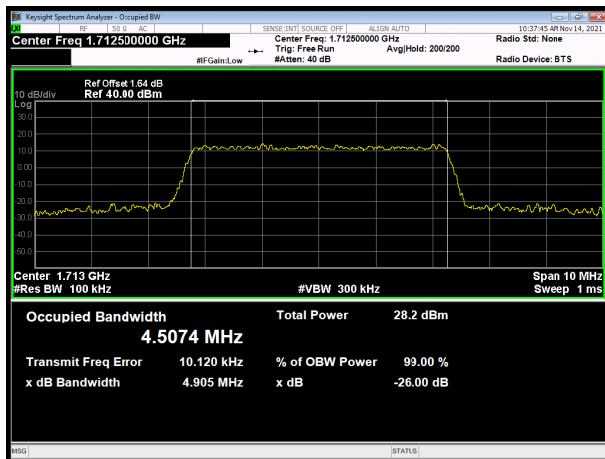


LTE Band 4 16QAM 3MHz CH-High

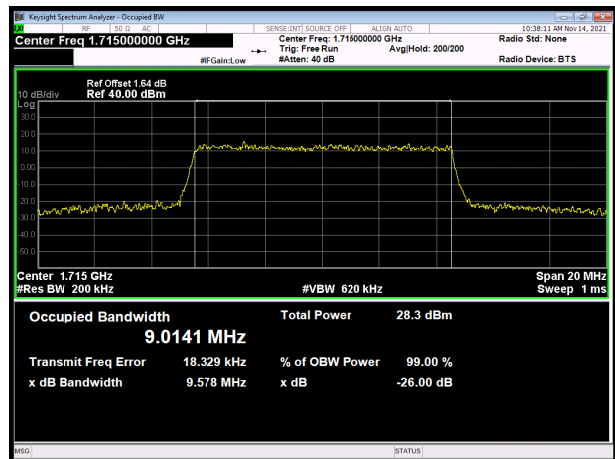




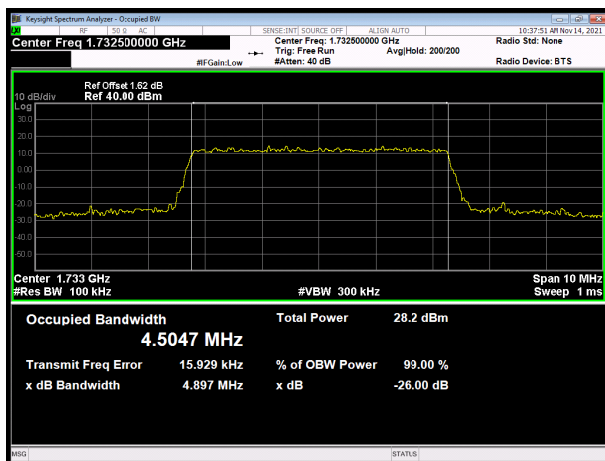
LTE Band 4 16QAM 5MHz CH-Low



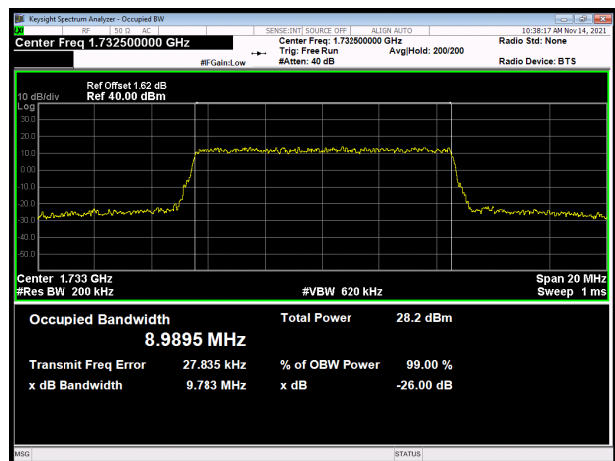
LTE Band 4 16QAM 10MHz CH-Low



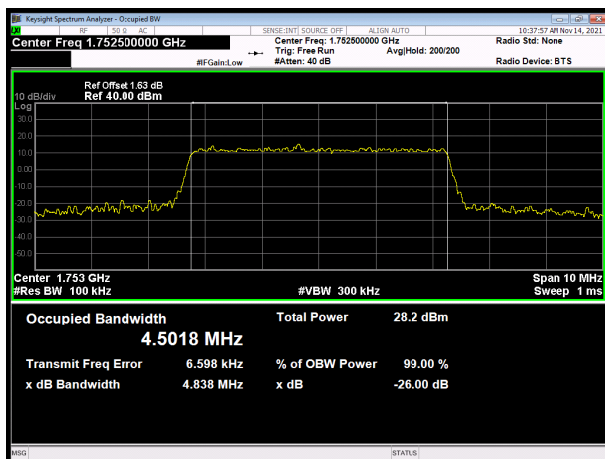
LTE Band 4 16QAM 5MHz CH-Middle



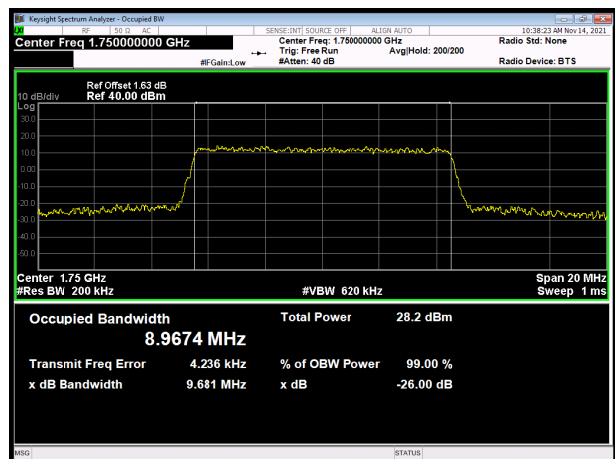
LTE Band 4 16QAM 10MHz CH-Middle



LTE Band 4 16QAM 5MHz CH-High

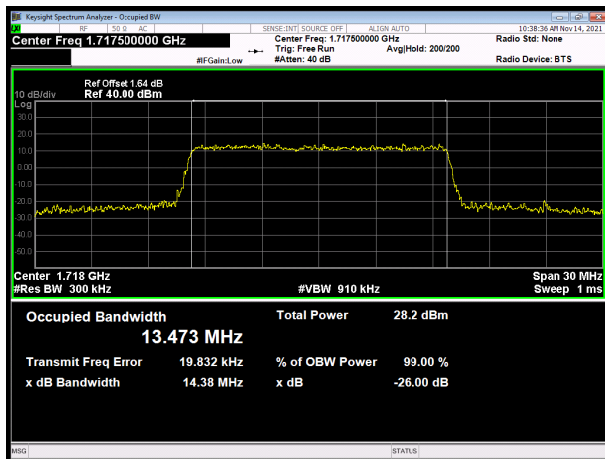


LTE Band 4 16QAM 10MHz CH-High

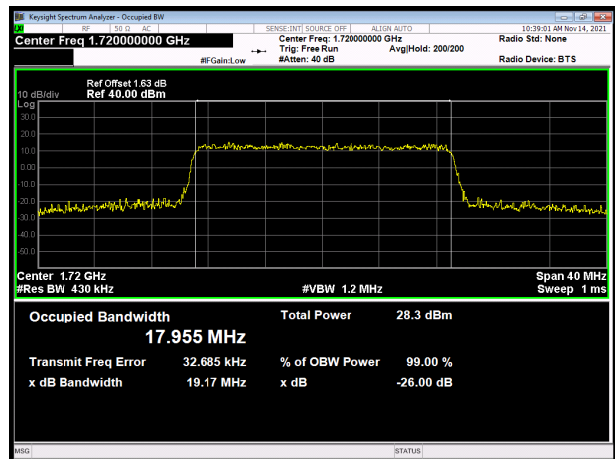




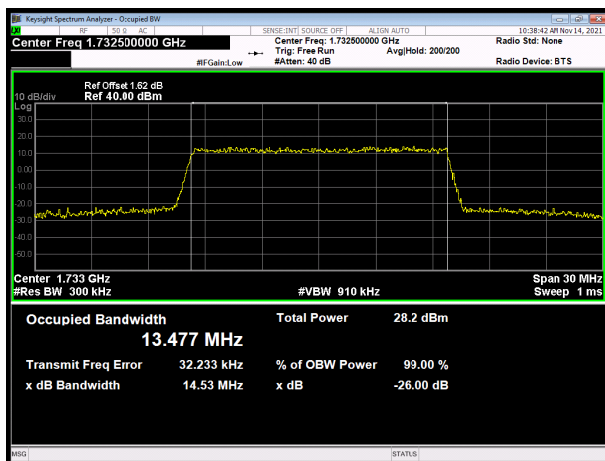
LTE Band 4 16QAM 15MHz CH-Low



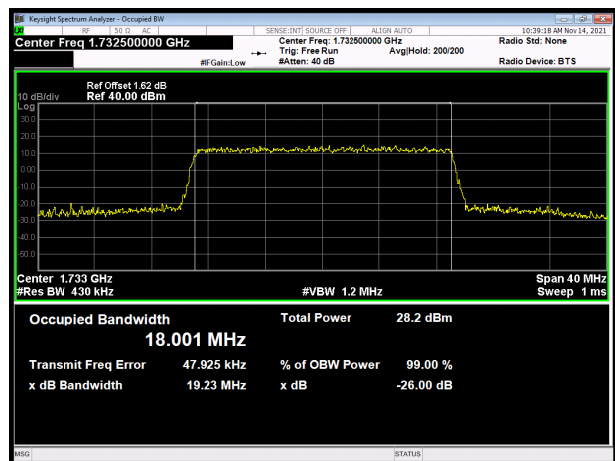
LTE Band 4 16QAM 20MHz CH-Low



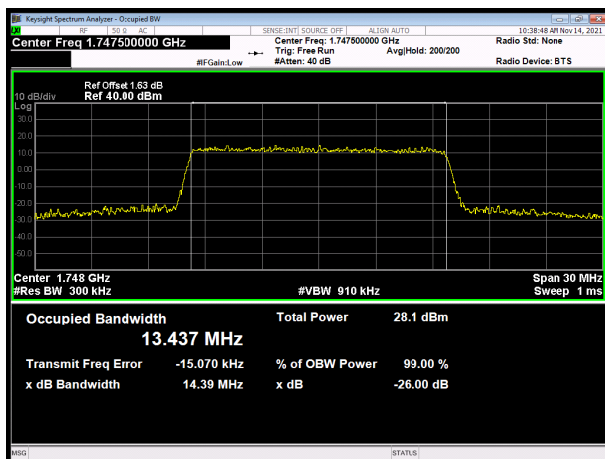
LTE Band 4 16QAM 15MHz CH-Middle



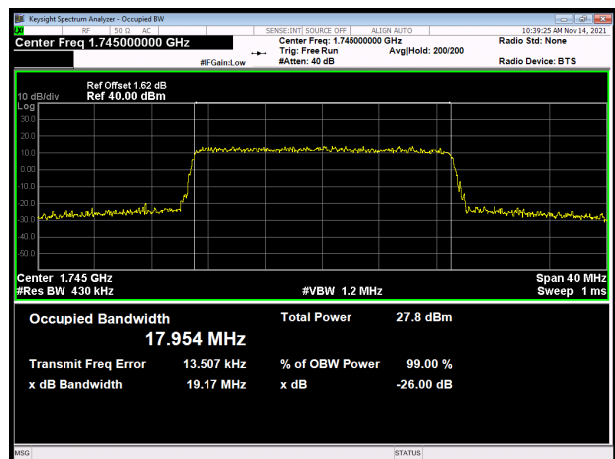
LTE Band 4 16QAM 20MHz CH-Middle



LTE Band 4 16QAM 15MHz CH-High

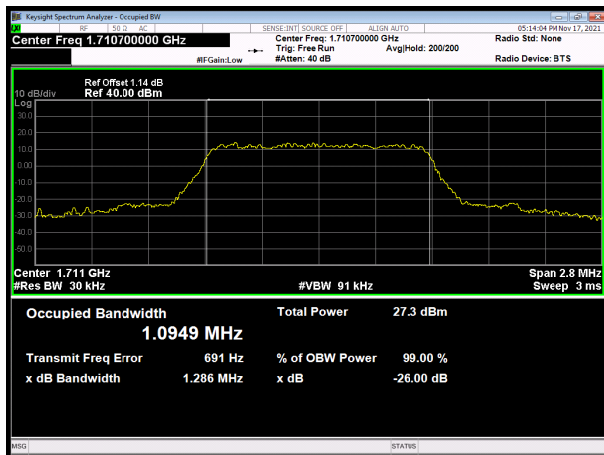


LTE Band 4 16QAM 20MHz CH-High

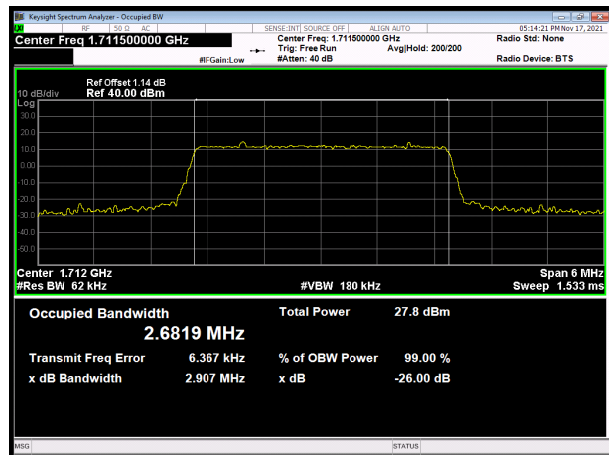




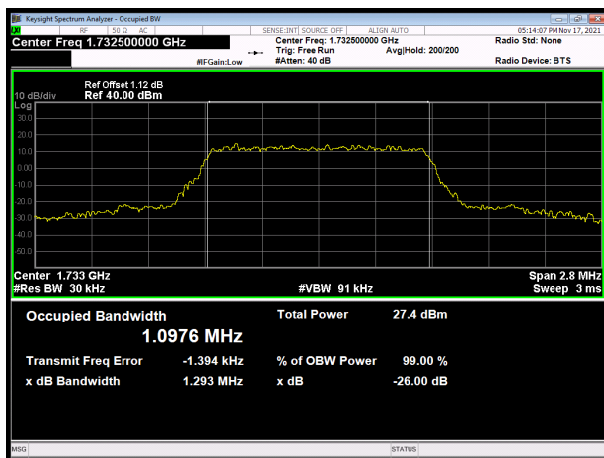
LTE Band 4 1.4MHz 64QAM CH-Low



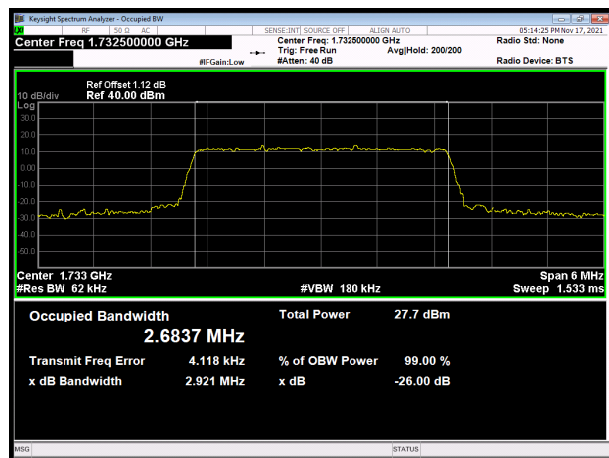
LTE Band 4 3MHz 64QAM CH-Low



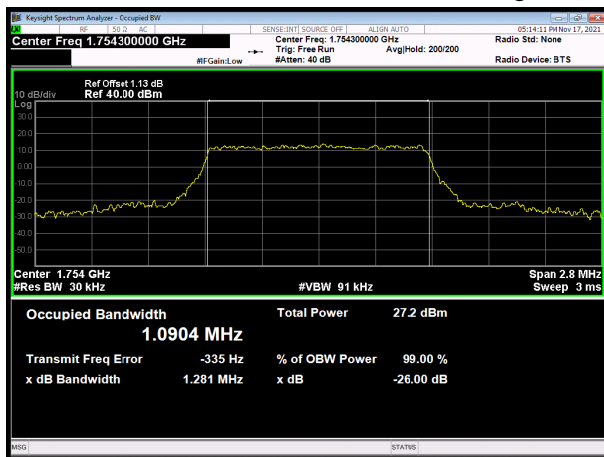
LTE Band 4 1.4MHz 64QAM CH-Middle



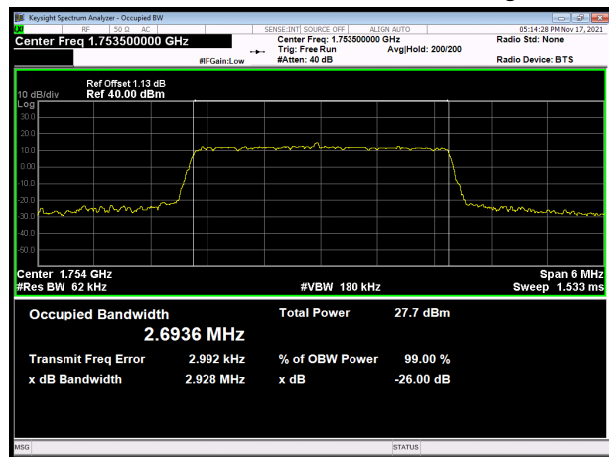
LTE Band 4 3MHz 64QAM CH-Middle



LTE Band 4 1.4MHz 64QAM CH-High

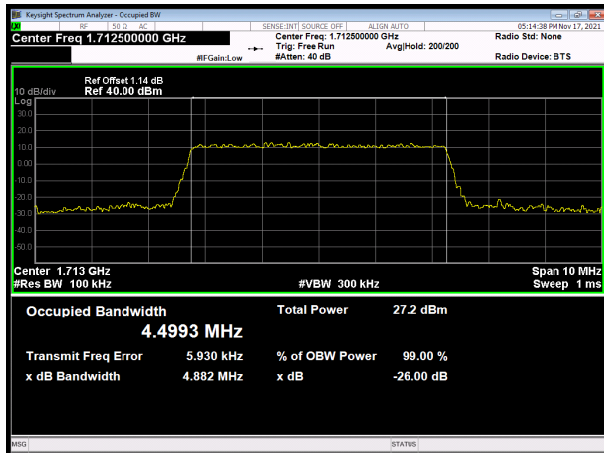


LTE Band 4 3MHz 64QAM CH-High

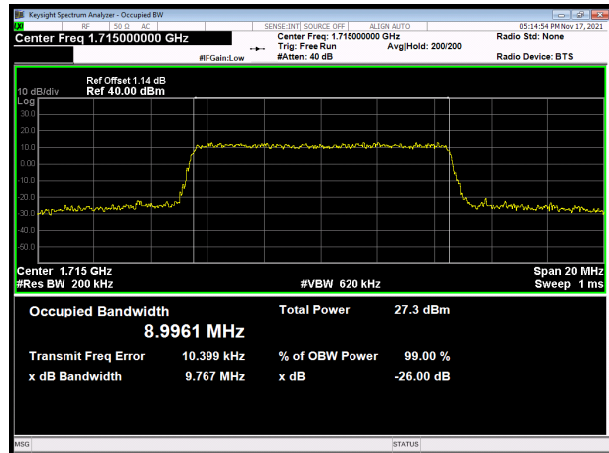




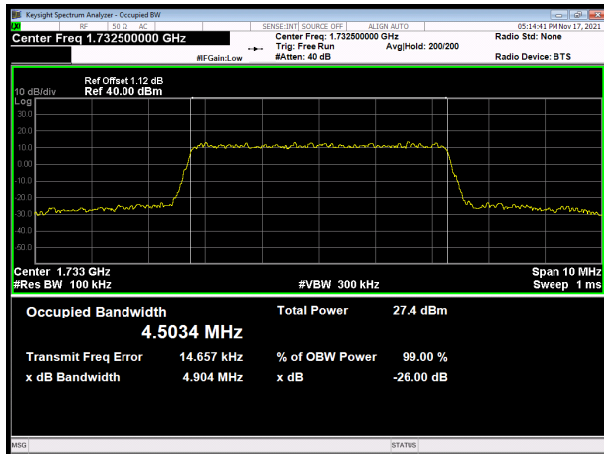
LTE Band 4 5MHz 64QAM CH-Low



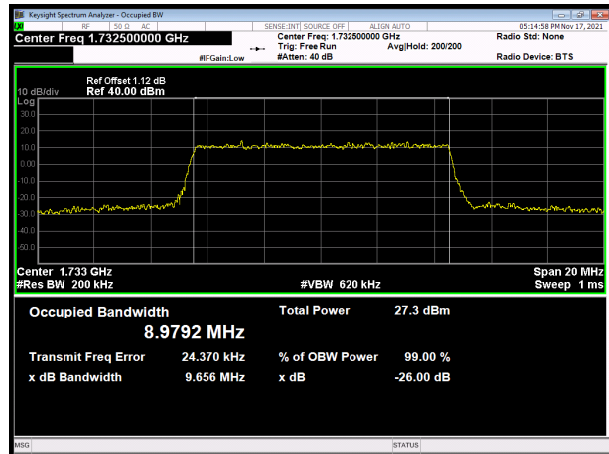
LTE Band 4 10MHz 64QAM CH-Low



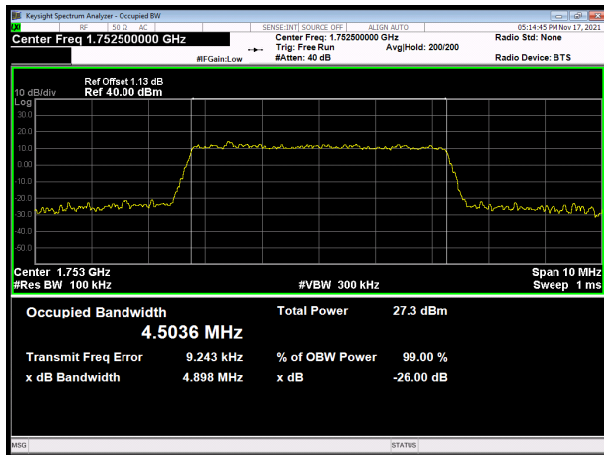
LTE Band 4 5MHz 64QAM CH-Middle



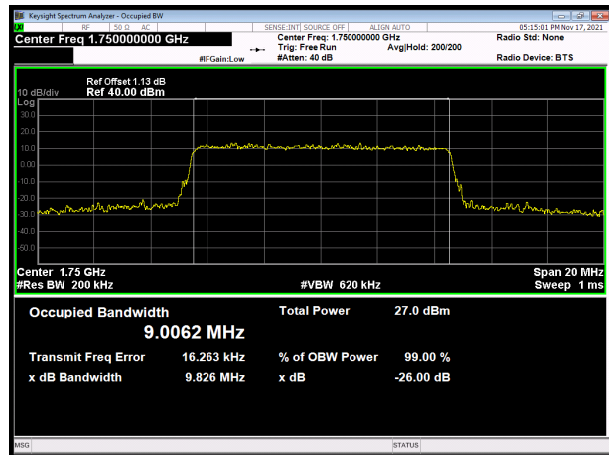
LTE Band 4 10MHz 64QAM CH-Middle



LTE Band 4 5MHz 64QAM CH-High

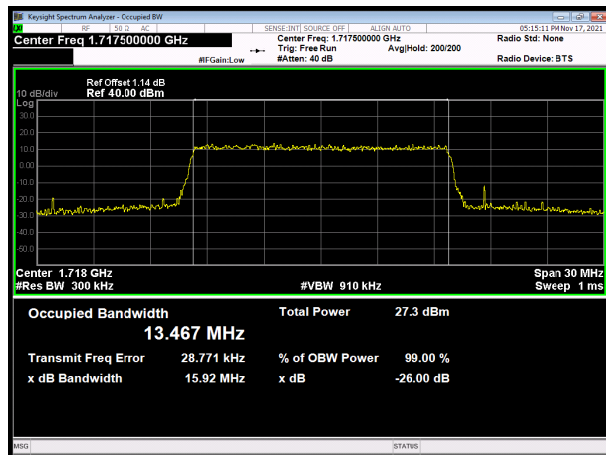


LTE Band 4 10MHz 64QAM CH-High

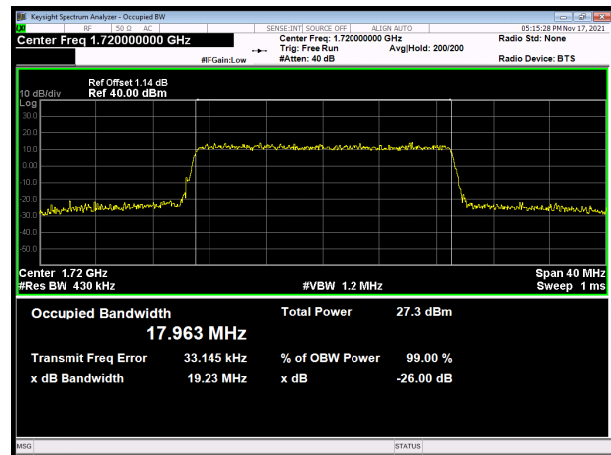




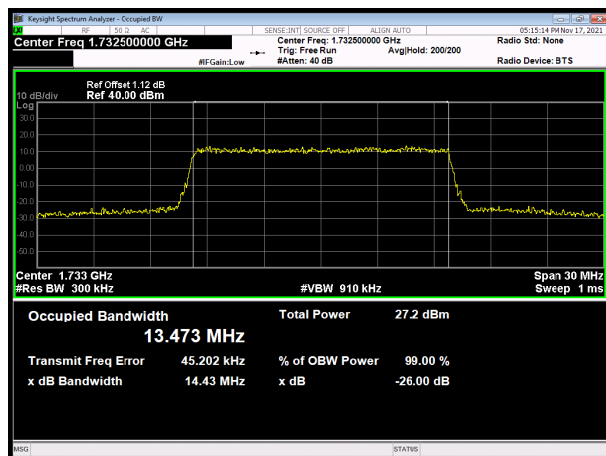
LTE Band 4 15MHz 64QAM CH-Low



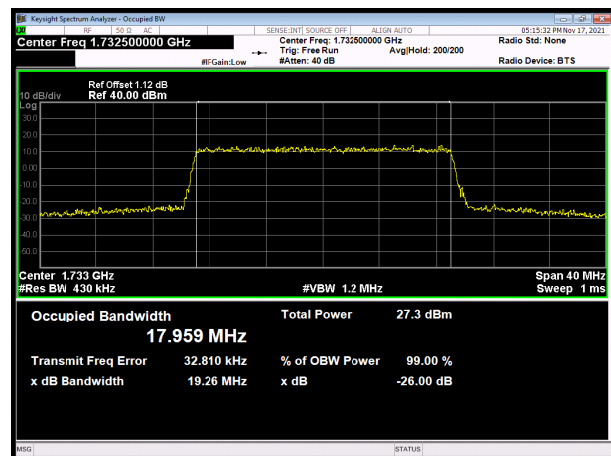
LTE Band 4 20MHz 64QAM CH-Low



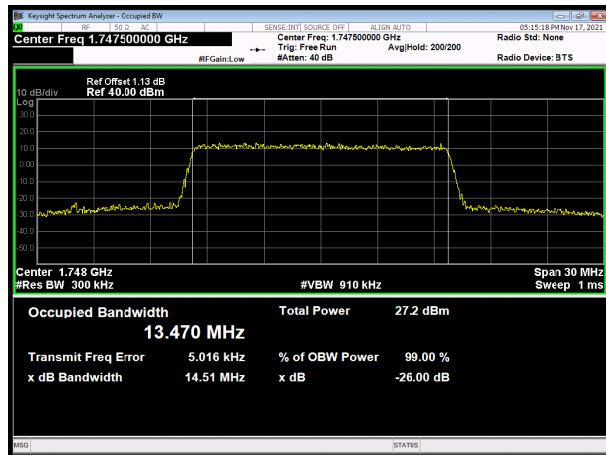
LTE Band 4 15MHz 64QAM CH-Middle



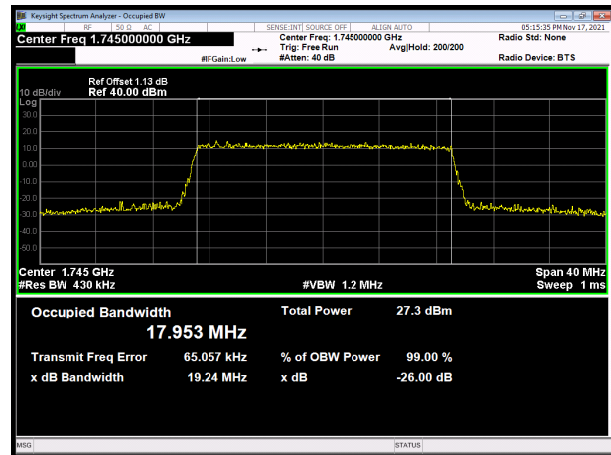
LTE Band 4 20MHz 64QAM CH-Middle



LTE Band 4 15MHz 64QAM CH-High

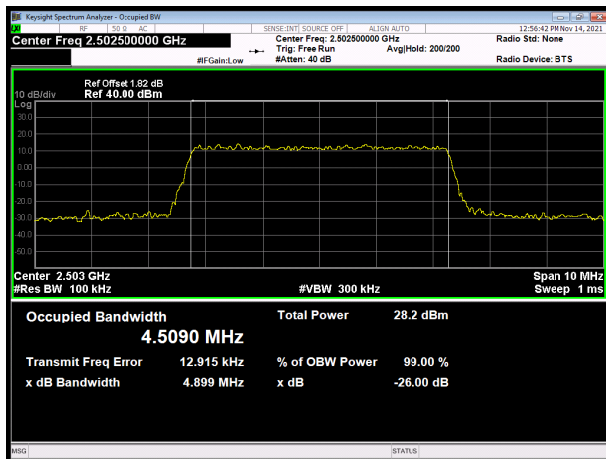


LTE Band 4 20MHz 64QAM CH-High

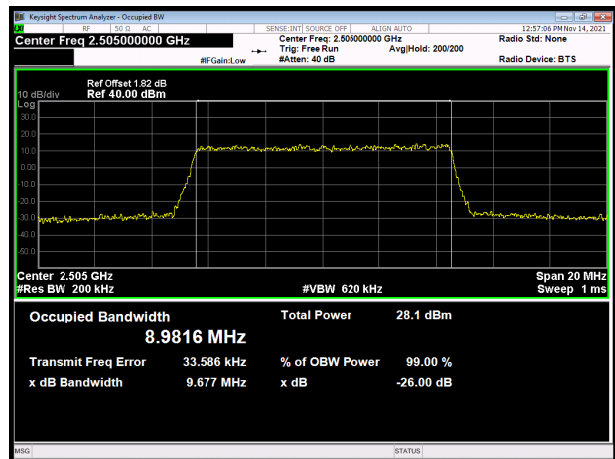




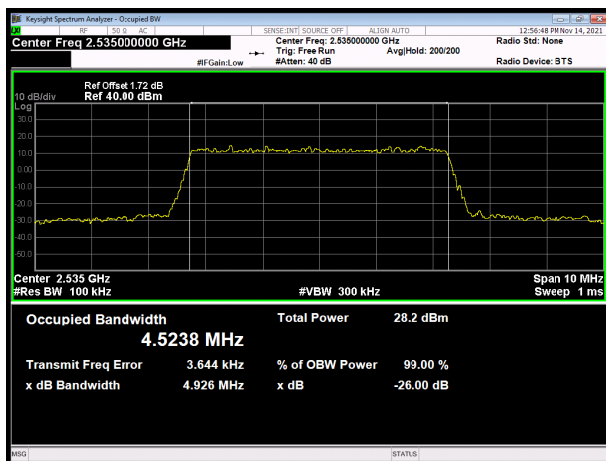
LTE Band 7 QPSK 5MHz CH-Low



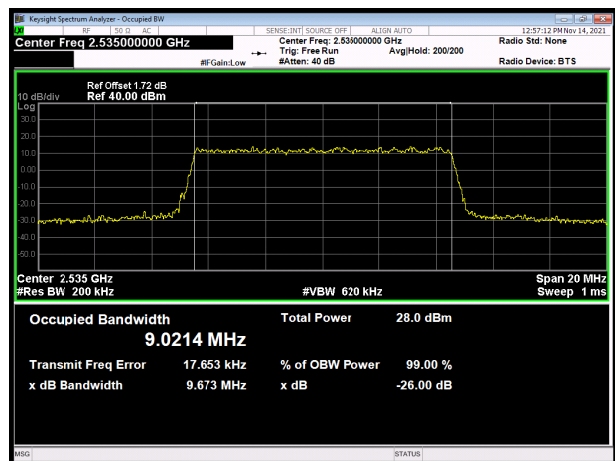
LTE Band 7 QPSK 10MHz CH-Low



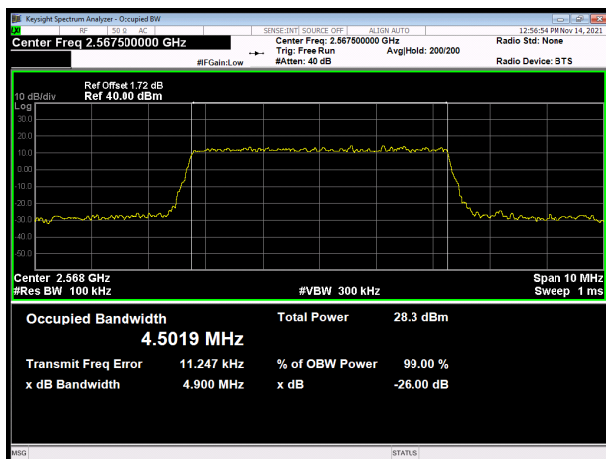
LTE Band 7 QPSK 5MHz CH-Middle



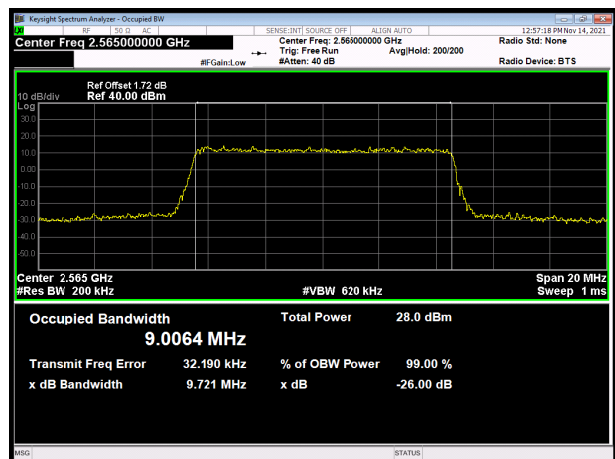
LTE Band 7 QPSK 10MHz CH-Middle



LTE Band 7 QPSK 5MHz CH-High

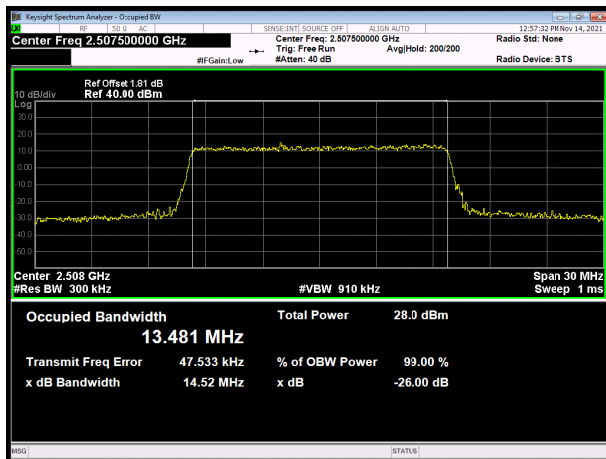


LTE Band 7 QPSK 10MHz CH-High

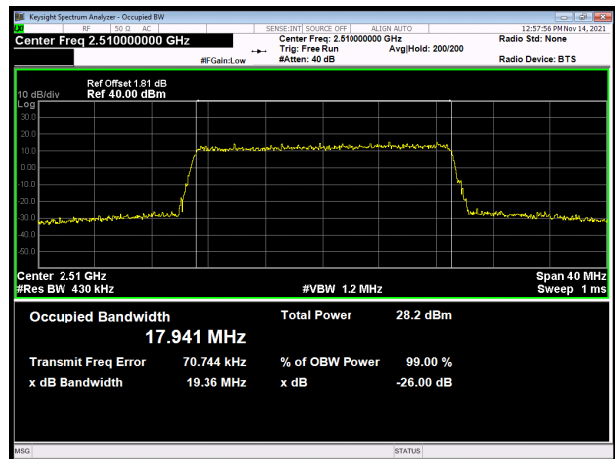




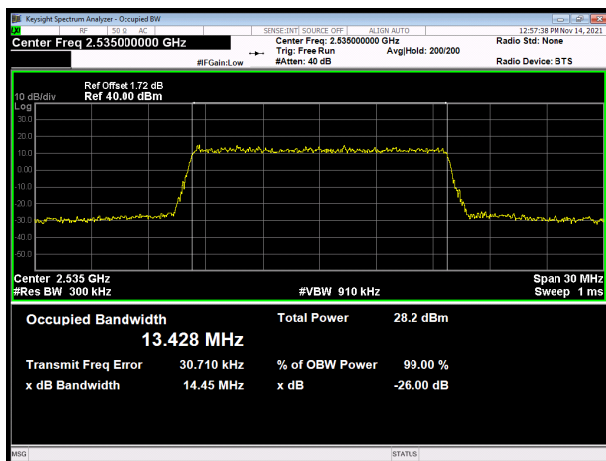
LTE Band 7 QPSK 15MHz CH-Low



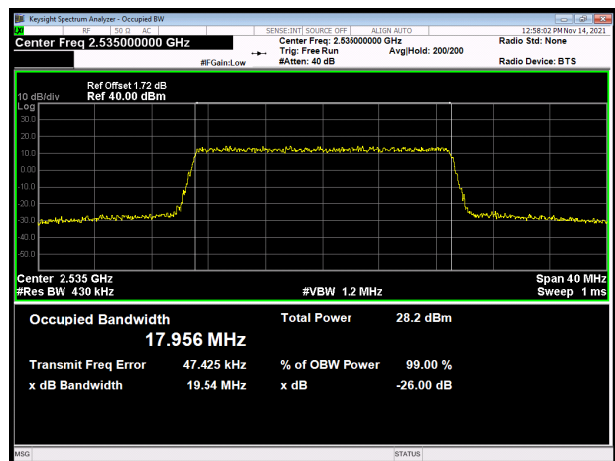
LTE Band 7 QPSK 20MHz CH-Low



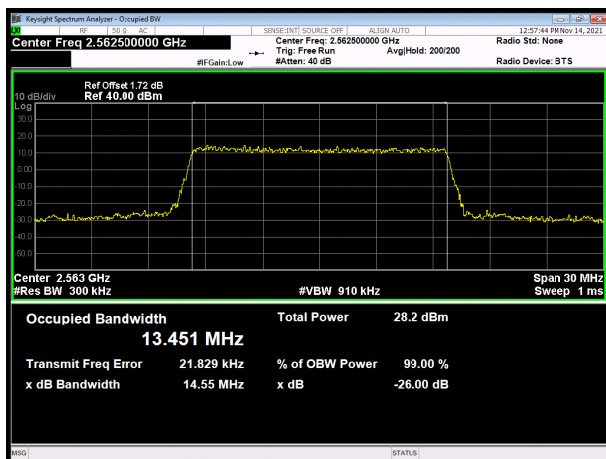
LTE Band 7 QPSK 15MHz CH-Middle



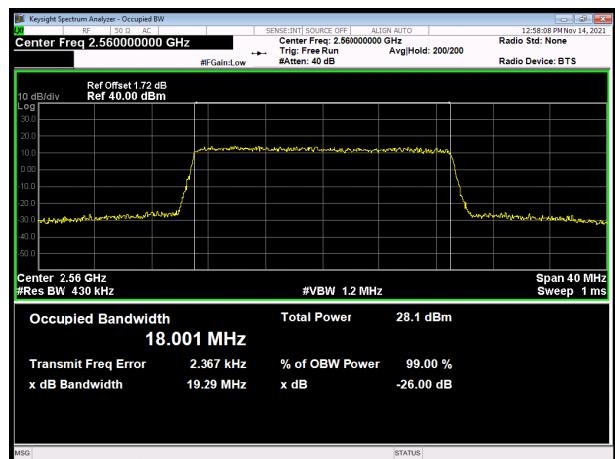
LTE Band 7 QPSK 20MHz CH-Middle



LTE Band 7 QPSK 15MHz CH-High

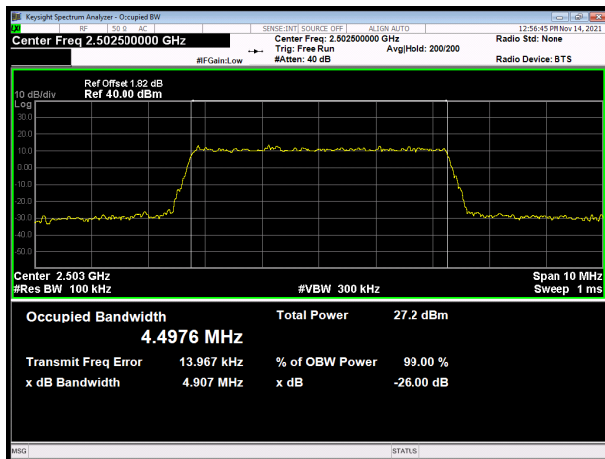


LTE Band 7 QPSK 20MHz CH-High

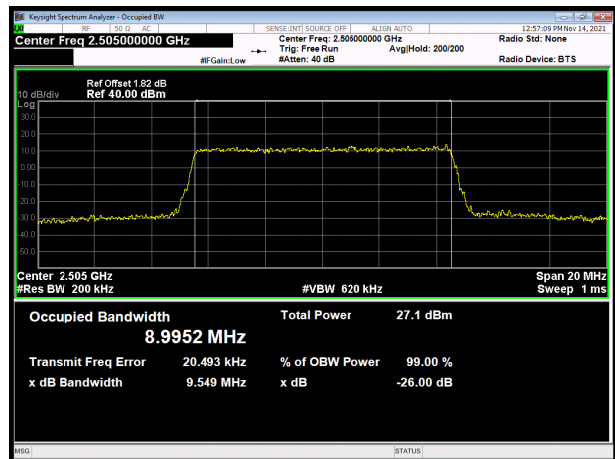




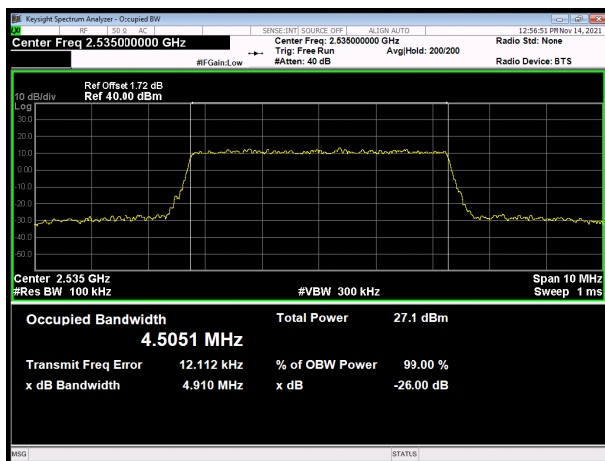
LTE Band 7 16QAM 5MHz CH-Low



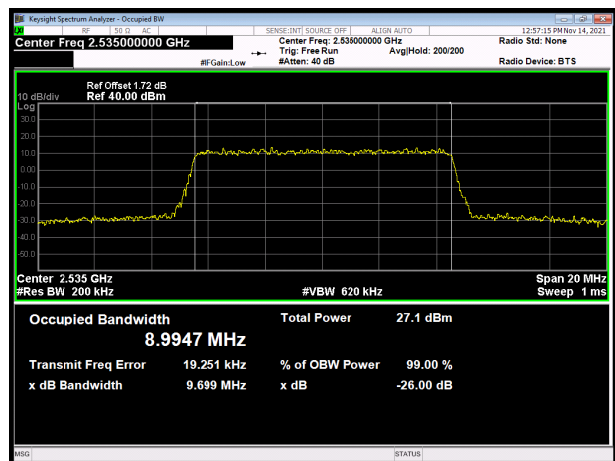
LTE Band 7 16QAM 10MHz CH-Low



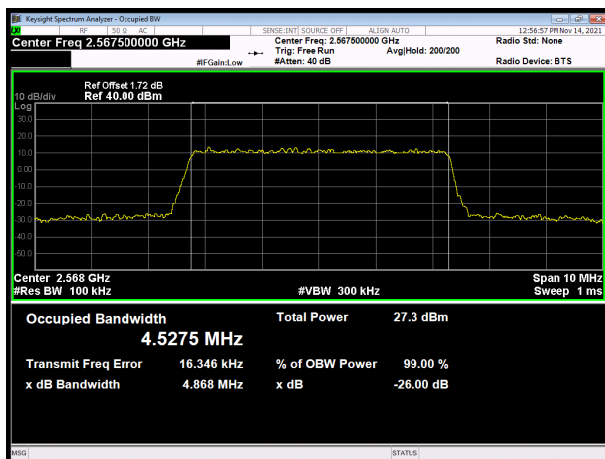
LTE Band 7 16QAM 5MHz CH-Middle



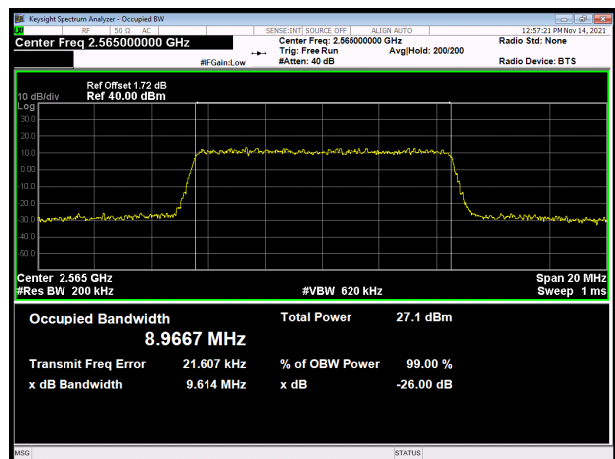
LTE Band 7 16QAM 10MHz CH-Middle



LTE Band 7 16QAM 5MHz CH-High

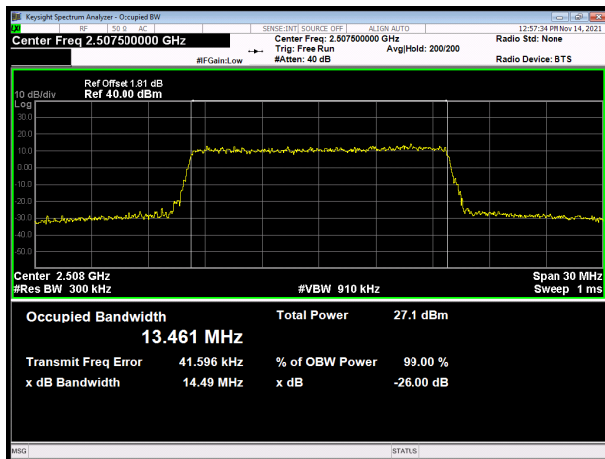


LTE Band 7 16QAM 10MHz CH-High

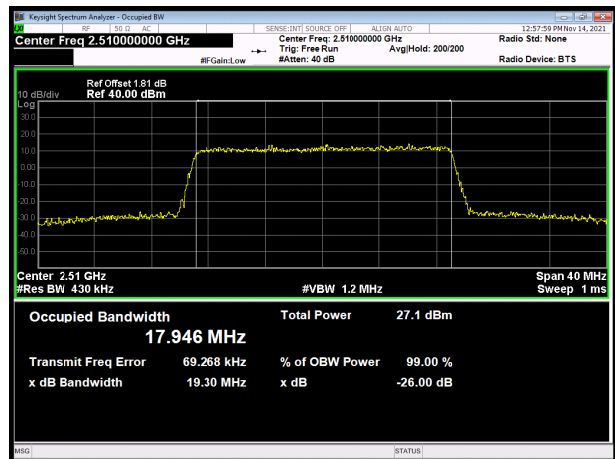




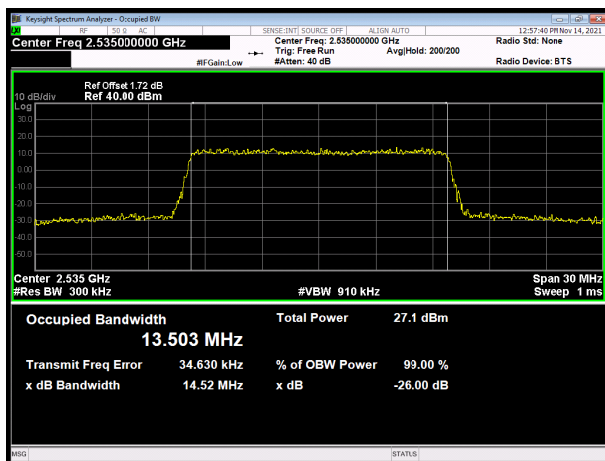
LTE Band 7 16QAM 15MHz CH-Low



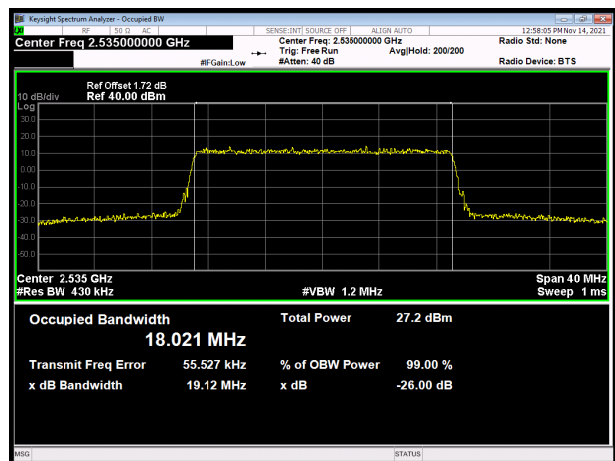
LTE Band 7 16QAM 20MHz CH-Low



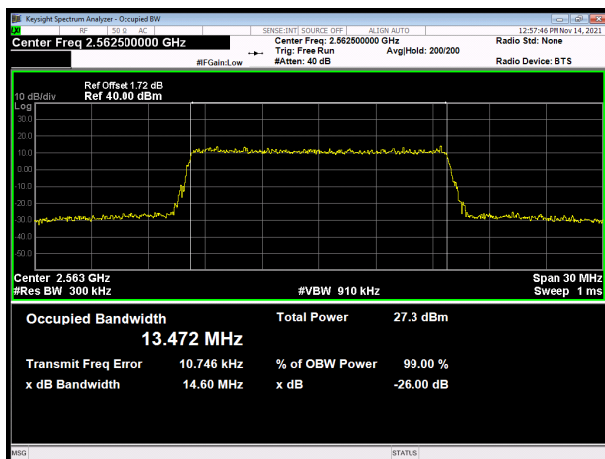
LTE Band 7 16QAM 15MHz CH-Middle



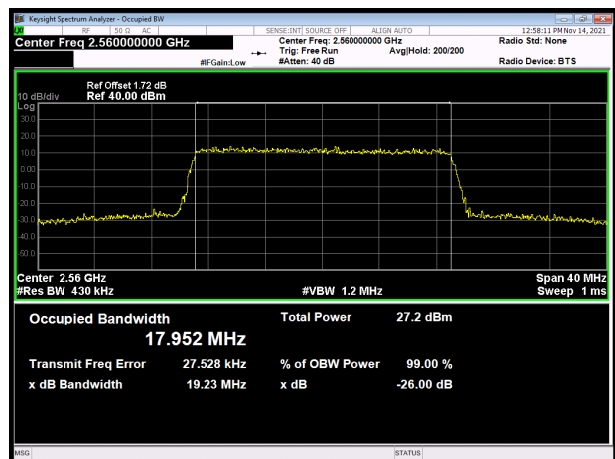
LTE Band 7 16QAM 20MHz CH-Middle



LTE Band 7 16QAM 15MHz CH-High

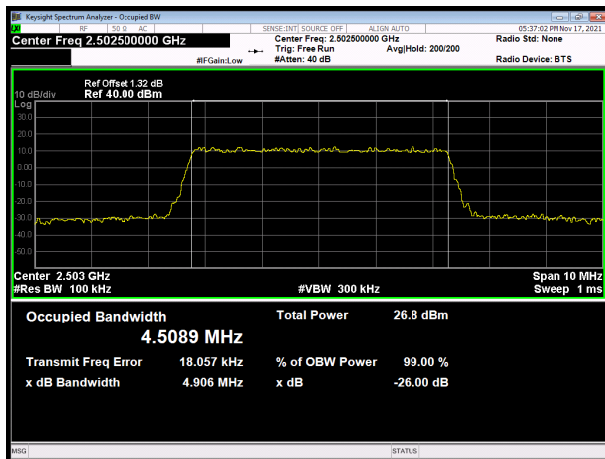


LTE Band 7 16QAM 20MHz CH-High

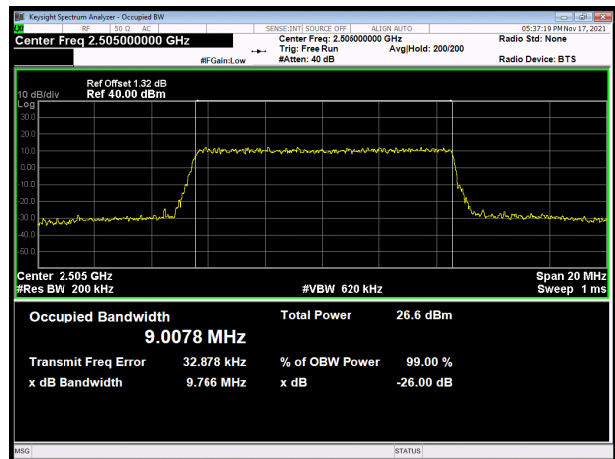




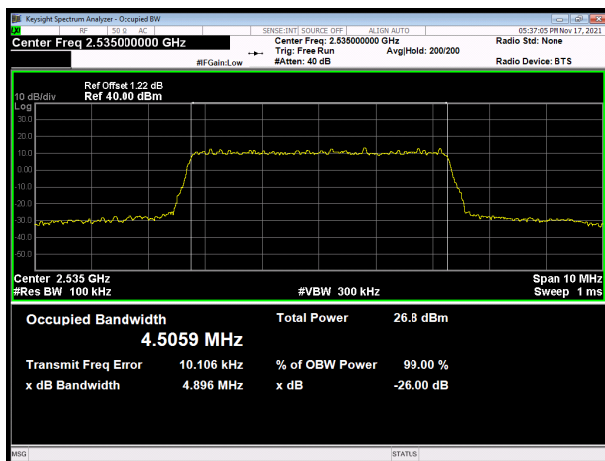
LTE Band 7 64QAM 5MHz CH-Low



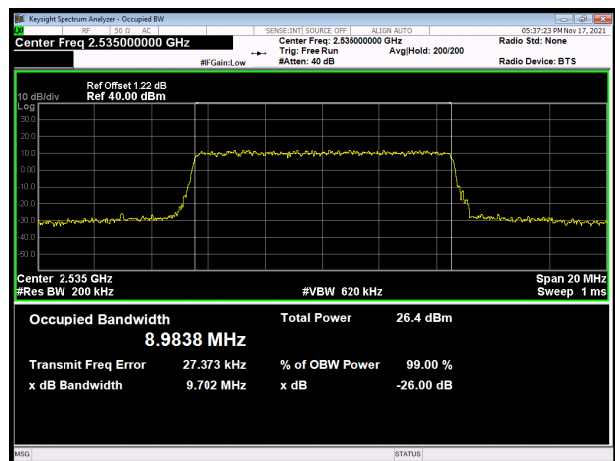
LTE Band 7 64QAM 10MHz CH-Low



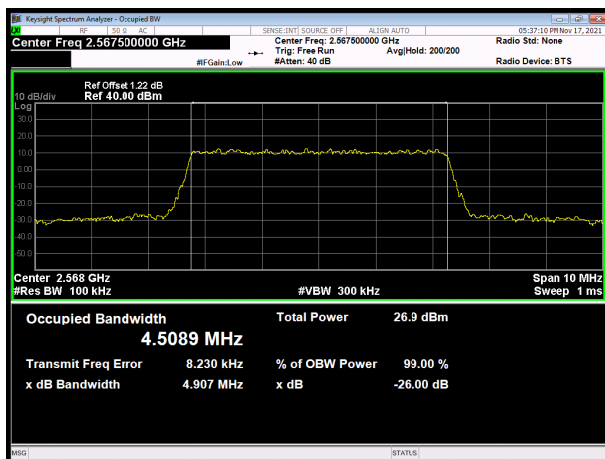
LTE Band 7 64QAM 5MHz CH-Middle



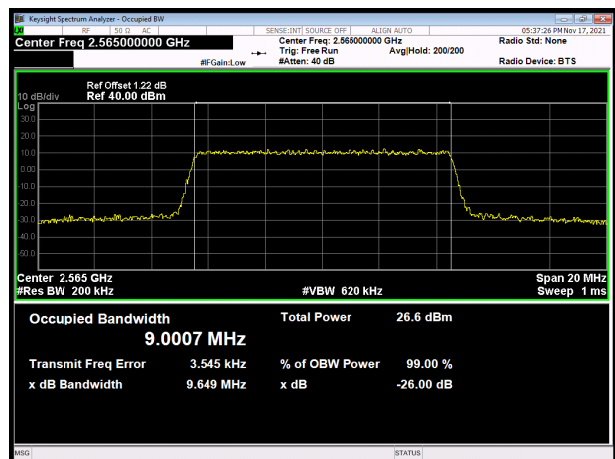
LTE Band 7 64QAM 10MHz CH-Middle



LTE Band 7 64QAM 5MHz CH-High

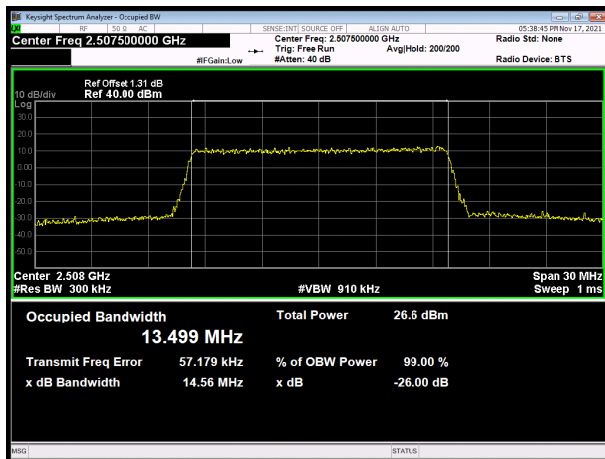


LTE Band 7 64QAM 10MHz CH-High

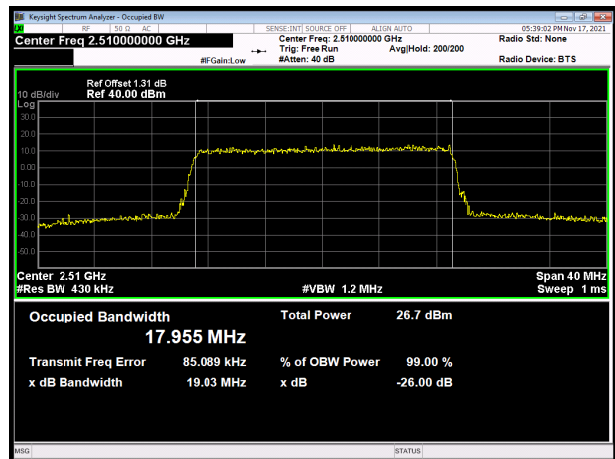




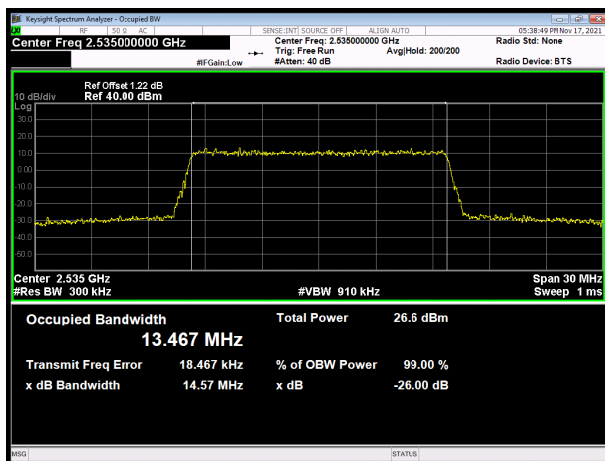
LTE Band 7 64QAM 15MHz CH-Low



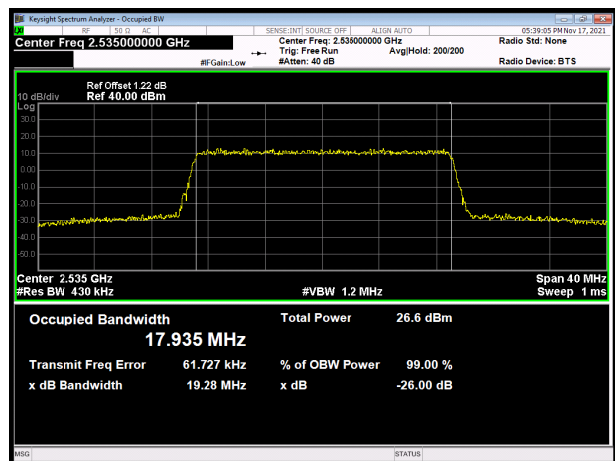
LTE Band 7 64QAM 20MHz CH-Low



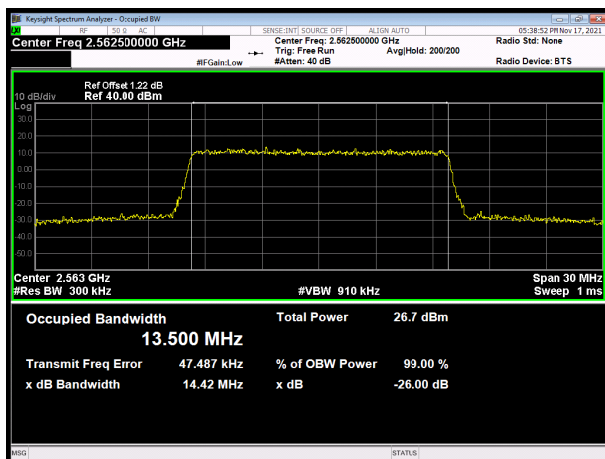
LTE Band 7 64QAM 15MHz CH-Middle



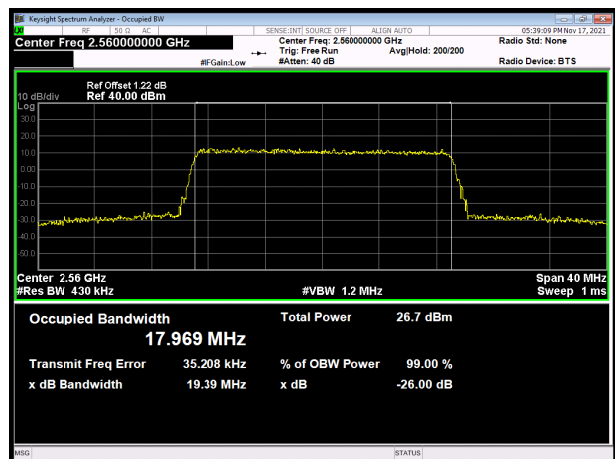
LTE Band 7 64QAM 20MHz CH-Middle



LTE Band 7 64QAM 15MHz CH-High

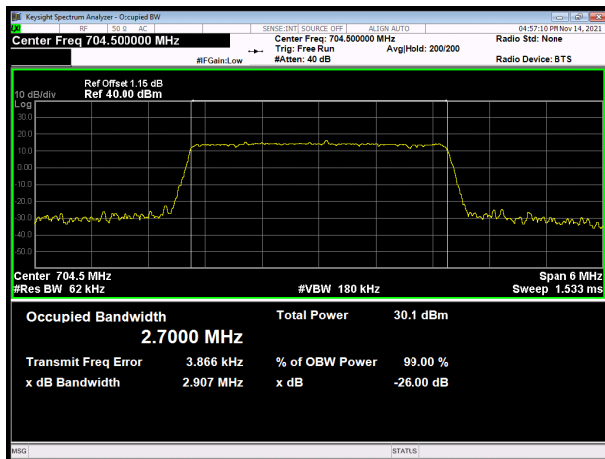


LTE Band 7 64QAM 20MHz CH-High

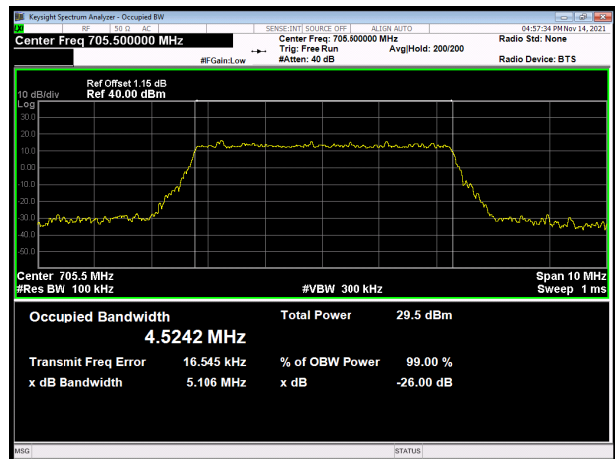




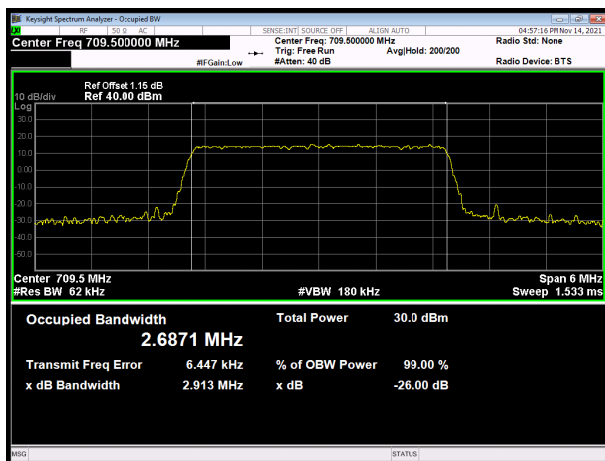
LTE band 28 subset 1 QPSK 3MHz CH-Low



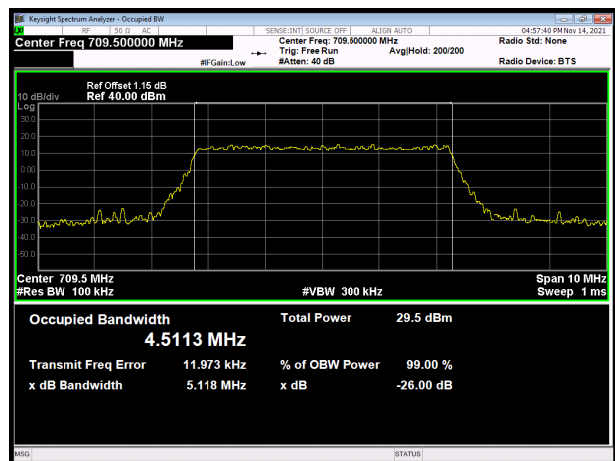
LTE band 28 subset 1 QPSK 5MHz CH-Low



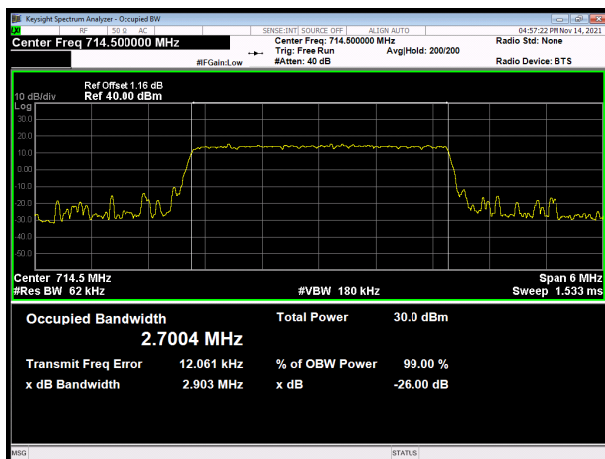
LTE band 28 subset 1 QPSK 3MHz CH-Middle



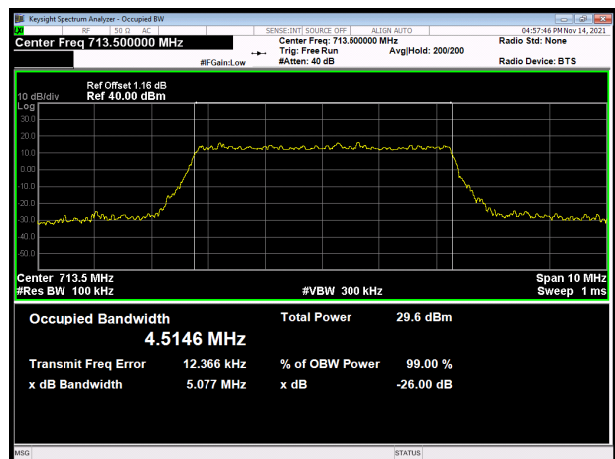
LTE band 28 subset 1 QPSK 5MHz CH-Middle



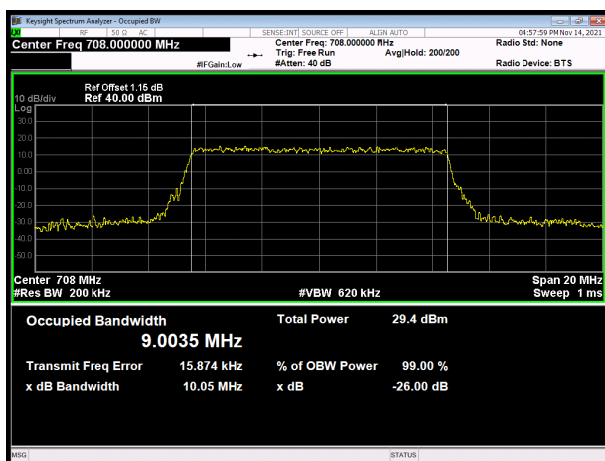
LTE band 28 subset 1 QPSK 3MHz CH-High



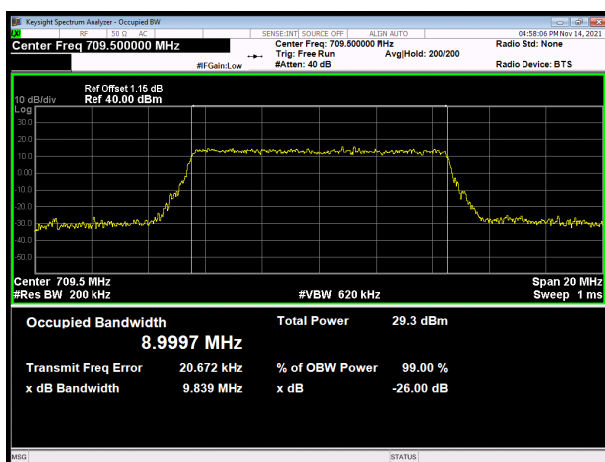
LTE band 28 subset 1 QPSK 5MHz CH-High



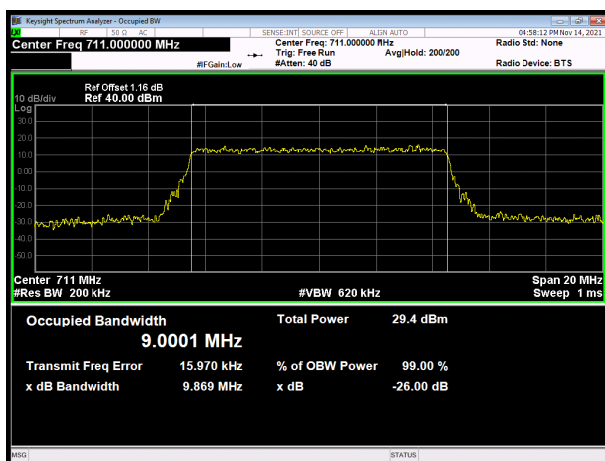
LTE band 28 subset 1 QPSK 10MHz CH-Low



LTE band 28 subset 1 QPSK 10MHz CH-Middle

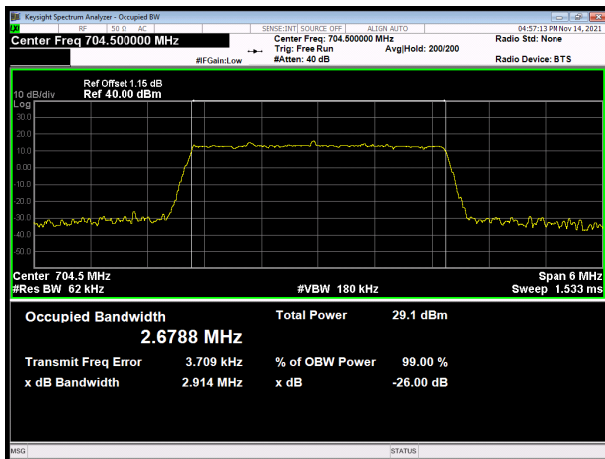


LTE band 28 subset 1 QPSK 10MHz CH-High

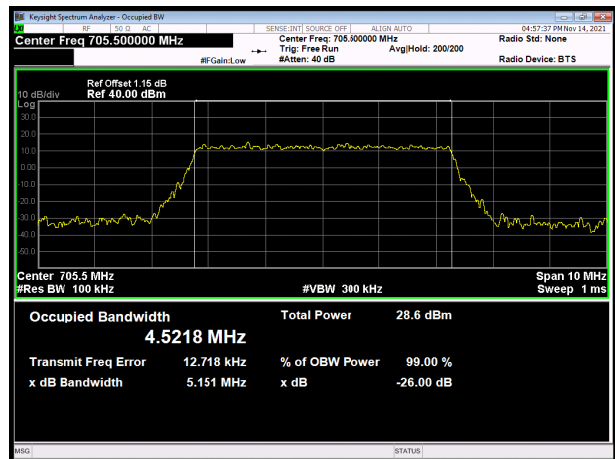




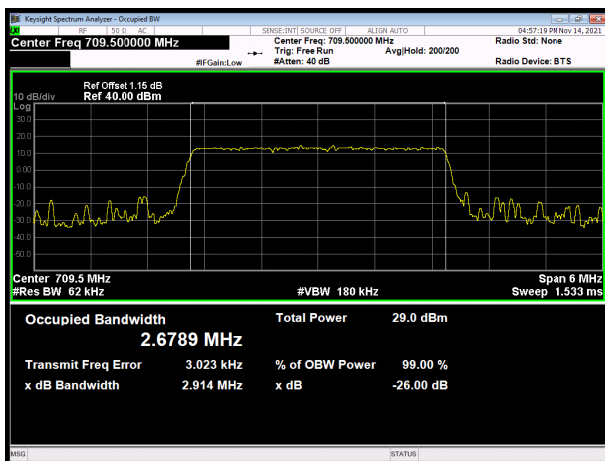
LTE band 28 subset 1 16QAM 3MHz CH-Low



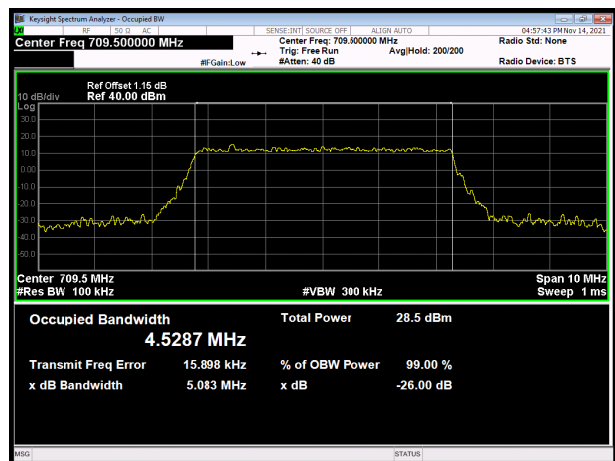
LTE band 28 subset 1 16QAM 5MHz CH-Low



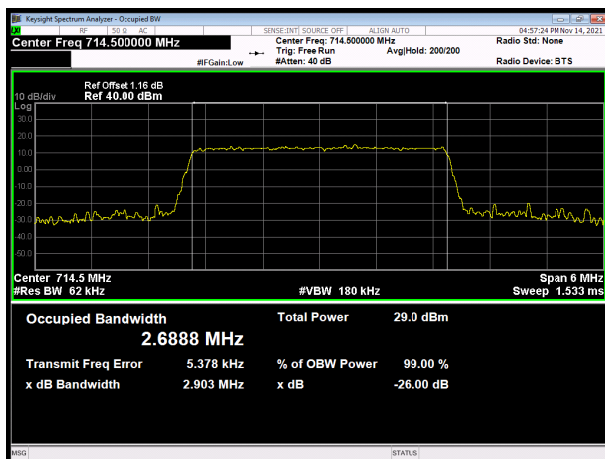
LTE band 28 subset 1 16QAM 3MHz CH-Middle



LTE band 28 subset 1 16QAM 5MHz CH-Middle



LTE band 28 subset 1 16QAM 3MHz CH-High



LTE band 28 subset 1 16QAM 5MHz CH-High

