



RF TEST REPORT

Applicant Quectel Wireless Solutions Co., Ltd.
FCC ID XMR2020AG525RGL
Product LTE Module
Brand Quectel
Model AG525R-GL
Report No. R2008A0573-R4V2
Issue Date November 18, 2020

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2019)/ FCC CFR47 Part 27C (2019)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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Version	Revision description	Issue Date
Rev.0	/	October 26, 2020
Rev.1	Update data in Chapter 5.3 and Chapter 5.4.	November 13, 2020
Rev.2	Update data.	November 18, 2020

Note This revised report (Report No. R2008A0573-R4V2) supersedes and replaces the previously issued report (Report No. R2008A0573-R4V1). 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(b)(10) /27.50(c)(10) /27.50(h)(2)	PASS
2	Occupied Bandwidth	2.1049	PASS
3	Band Edge Compliance	27.53(h) /27.53(g) /27.53(f) /27.53(c) /27.53(m)	PASS
4	Peak-to-Average Power Ratio	27.50(d)/KDB971168 D01(5.7)	PASS
5	Frequency Stability	2.1055 / 27.54	PASS
6	Spurious Emissions at Antenna Terminals	2.1051 /27.53(h) /27.53(g) /27.53(f) /27.53(c) /27.53(m)	PASS
7	Radiates Spurious Emission	2.1053 /27.53(h) /27.53(g) /27.53(m) /27.53(f) /27.53(c)	PASS

Date of Testing: August 24, 2020 ~ November 11, 2020

Date of Sample Received: August 24, 2020

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 electromagnetic emissions measurements.

A2LA (Certificate Number: 3857.01)

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

1.3 Testing Location

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

2.1 Applicant and Manufacturer Information

Applicant	Quectel Wireless Solutions Co., Ltd.
Applicant address	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China, 200233
Manufacturer	Quectel Wireless Solutions Co., Ltd.
Manufacturer address	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China, 200233

2.2 General information

EUT Description				
Model	AG525R-GL			
IMEI	864228040005219			
Hardware Version	R1.0			
Software Version	AG525RGLAAR01A05M4G			
Power Supply	External Power Supply			
Antenna Type	External Antenna			
Antenna Gain	Frequency (MHz)	Gain (dBi)	Frequency (MHz)	Gain (dBi)
	670	3.31	1750	1.57
	680	2.48	1780	2.96
	700	1.25	2500	2.23
	720	1.39	2510	2.10
	740	1.71	2540	2.56
	750	2.35	2550	2.77
	770	2.87	2570	2.83
	1710	2.68	2600	3.16
	1720	2.22	2670	2.83
1730	1.98	2680	2.13	
Test Mode(s)	WCDMA Band IV ,LTE Band 4/7/12/13/38/41/66/71 CA-7C, CA-38C, CA-41C,CA-66B, CA-66C, CA-41D, CA-4A-41C, CA-7C-4A, CA-7C-5A,CA-4A-12A.			
Test Modulation	(WCDMA) BPSK, QPSK,16QAM ,(LTE)QPSK 16QAM 64QAM			
HSDPA UE Category	24			
HSUPA UE Category	6			
DC-HSDPA UE Category	24			



HSPA+ UE Category	6		
LTE Category	12		
Maximum E.I.R.P	WCDMA Band IV	25.77dBm	
	LTE Band 4:	26.04dBm	
	LTE Band 7:	27.45dBm	
	LTE Band 38	26.78dBm	
	LTE Band 41:	25.94dBm	
	LTE Band 66:	25.99dBm	
	CA-7C:	27.35dBm	
	CA-38C:	27.96dBm	
	CA-41C:	27.32dBm	
	CA-66B:	26.63dBm	
	CA-66C:	27.35dBm	
	CA-41D:	25.62dBm	
	CA-41A-41C:	25.13dBm	
	CA-7C-4A:	25.50dBm	
	CA-7C-5A:	25.53dBm	
CA-4C-12A:	25.37dBm		
Maximum E.R.P.	LTE Band 12:	23.36dBm	
	LTE Band 13:	24.31dBm	
	LTE Band 71:	24.57dBm	
Rated Power Supply Voltage:	3.8V		
Extreme Voltage	Minimum: 3.3V Maximum: 4.3V		
Extreme Temperature	Lowest: -30°C Highest: +50°C		
Operating Voltage	Minimum: 3.3V Maximum: 4.3V		
Operating Temperature	Lowest: -40°C Highest: +85°C		
Operating Frequency Range(s)	Mode	Tx (MHz)	Rx (MHz)
	WCDMA Band IV	1710 ~ 1755	2110 ~ 2155
	LTE Band 4	1710 ~ 1755	2110 ~ 2155
	LTE Band 7	2500 ~ 2570	2620 ~ 2690
	LTE Band 12	699 ~ 716	729 ~ 746
	LTE Band 13	777 ~ 787	746 ~ 756
	LTE Band 38	2570 ~ 2620	2570 ~ 2620
	LTE Band 41	2496 ~ 2690	2496 ~ 2690
	LTE Band 66	1710 ~ 1780	2110 ~ 2180
LTE Band 71	663 ~ 698	617 ~ 652	
Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.			



3 Applied Standards

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

Test standards:

FCC CFR47 Part 27C (2019)

ANSI C63.26 (2015)

Reference standard:

FCC CFR47 Part 2 (2019)

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 detailin the following table:

Test modes are chosen to be reported as the worst case configuration below for WCDMA Band IV:

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

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

4/7/12/13/38/41/66/71:

Test items	Modes	Bandwidth (MHz)						Modulation			RB			Test Channel		
		1.4	3	5	10	15	20	QPS K	16Q AM	64QA M	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	O
	LTE 7	-	-	O	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 12	O	O	O	O	-	-	O	O	O	O	O	O	O	O	O
	LTE 13	-	-	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	O
	LTE 41	-	-	O	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 66	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 71	-	-	O	O	O	O	O	O	O	O	O	O	O	O	O
Occupied Bandwidth	LTE 4	O	O	O	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 12	O	O	O	O	-	-	O	O	O	-	-	O	O	O	O



	LTE 13	-	-	0	0	-	-	0	0	0	-	-	0	0	0	0
	LTE 38	-	-	0	0	0	0	0	0	0	-	-	0	0	0	0
	LTE 41	-	-	0	0	0	0	0	0	0	-	-	0	0	0	0
	LTE 66	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0
	LTE 71	-	-	0	0	0	0	0	0	0	-	-	0	0	0	0
Band Edge Compliance	LTE 4	0	0	0	0	0	0	0	0	0	0	-	0	0	-	0
	LTE 7	-	-	0	0	0	0	0	0	0	0	-	0	0	-	0
	LTE 12	0	0	0	0	-	-	0	0	0	0	-	0	0	-	0
	LTE 13	-	-	0	0	-	-	0	0	0	0	-	0	0	-	0
	LTE 38	-	-	0	0	0	0	0	0	0	0	-	0	0	-	0
	LTE 41	-	-	0	0	0	0	0	0	0	0	-	0	0	-	0
	LTE 66	0	0	0	0	0	0	0	0	0	0	-	0	0	-	0
	LTE 71	-	-	0	0	0	0	0	0	0	0	-	0	0	-	0
Peak-to-Average Power Ratio	LTE 4	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0
	LTE 7	-	-	0	0	0	0	0	0	0	-	-	0	0	0	0
	LTE 12	0	0	0	0	-	-	0	0	0	-	-	0	0	0	0
	LTE 13	-	-	0	0	-	-	0	0	0	-	-	0	0	0	0
	LTE 38	-	-	0	0	0	0	0	0	0	-	-	0	0	0	0
	LTE 41	-	-	0	0	0	0	0	0	0	-	-	0	0	0	0
	LTE 66	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0
	LTE 71	-	-	0	0	0	0	0	0	0	-	-	0	0	0	0
Frequency Stability	LTE 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LTE 7	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0
	LTE 12	0	0	0	0	-	-	0	0	0	0	0	0	0	0	0
	LTE 13	-	-	0	0	-	-	0	0	0	0	0	0	0	0	0
	LTE 38	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0
	LTE 41	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0
	LTE 66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LTE 71	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Spurious Emissions at Antenna Terminals	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 12	0	0	0	0	-	-	0	-	-	0	-	-	0	0	0
	LTE 13	-	-	0	0	-	-	0	-	-	0	-	-	0	0	0
	LTE 38	-	-	0	0	0	0	0	-	-	0	-	-	0	0	0
	LTE 41	-	-	0	0	0	0	0	-	-	0	-	-	0	0	0
	LTE 66	0	0	0	0	0	0	0	-	-	0	-	-	0	0	0
	LTE 71	-	-	0	0	0	0	0	-	-	0	-	-	0	0	0
Radiates Spurious Emission	LTE 4	0	-	0	-	-	0	0	-	-	0	-	-	-	0	-
	LTE 7	-	-	0	-	-	0	0	-	-	0	-	-	-	0	-
	LTE 12	0	-	0	0	-	-	0	-	-	0	-	-	-	0	-
	LTE 13	-	-	0	0	-	-	0	-	-	0	-	-	-	0	-



	LTE 38	-	-	O	-	-	O	O	-	-	O	-	-	-	O	-
	LTE 41	-	-	O	-	-	O	O	-	-	O	-	-	-	O	-
	LTE 66	O	-	O	-	-	O	O	-	-	O	-	-	-	O	-
	LTE 71	-	-	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.

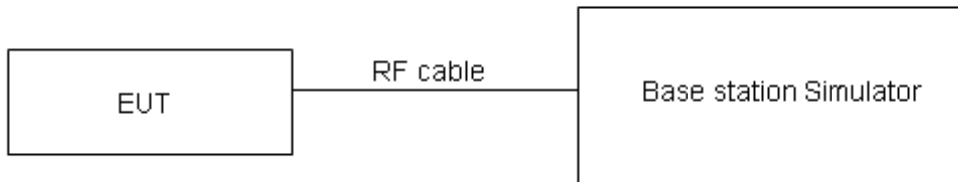
ERP can then be calculated as follows:

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

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

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

Test Setup



Limits

No specific RF power output requirements in part 2.1046.

Rule Part 27.50(b) (10) specifies that “Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP”

Rule Part 27.50(c) (10) specifies that “Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP”

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

Rule Part 27.50(h) (2) specifies that “Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.”



Part 27.50(b)(10)	$\leq 3 \text{ W}$ (34.77 dBm)
Part 27.50(c)(10)	$\leq 3 \text{ W}$ (34.77 dBm)
Part 27.50(d)(4)	$\leq 1 \text{ W}$ (30 dBm)
Part 27.50(h)(2)	$\leq 2 \text{ W}$ (33 dBm)

Measurement Uncertainty

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



Test Results

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		23.09	23.07	22.96	25.77	25.05	24.53
HSDPA	Sub - Test 1	22.55	22.49	22.40	25.23	24.47	23.97
	Sub - Test 2	22.54	22.51	22.37	25.22	24.49	23.94
	Sub - Test 3	22.01	22.01	21.89	24.69	23.99	23.46
	Sub - Test 4	22.02	22.02	21.87	24.70	24.00	23.44
HSUPA	Sub - Test 1	22.51	22.48	22.35	25.19	24.46	23.92
	Sub - Test 2	21.50	21.46	21.34	24.18	23.44	22.91
	Sub - Test 3	21.97	21.94	21.83	24.65	23.92	23.40
	Sub - Test 4	21.43	21.43	21.31	24.11	23.41	22.88
	Sub - Test 5	22.44	22.41	22.29	25.12	24.39	23.86
DC-HSDPA	Sub - Test 1	22.43	22.43	22.30	25.11	24.41	23.87
	Sub - Test 2	22.42	22.42	22.29	25.10	24.40	23.86
	Sub - Test 3	22.00	21.91	21.80	24.68	23.89	23.37
	Sub - Test 4	21.99	21.90	21.79	24.67	23.88	23.36
HSPA+	16QAM	21.98	21.98	21.86	24.66	23.96	23.43

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
LTE Band4	1.4	19957	1	#0	QPSK	23.24	25.92	PASS
LTE Band4	1.4	19957	1	#Mid	QPSK	23.36	26.04	PASS
LTE Band4	1.4	19957	1	#Max	QPSK	23.30	25.98	PASS
LTE Band4	1.4	19957	3	#0	QPSK	23.17	25.85	PASS
LTE Band4	1.4	19957	3	#Mid	QPSK	23.19	25.87	PASS
LTE Band4	1.4	19957	3	#Max	QPSK	23.19	25.87	PASS
LTE Band4	1.4	19957	6	#0	QPSK	22.25	24.93	PASS
LTE Band4	1.4	19957	1	#0	QAM16	22.07	24.75	PASS
LTE Band4	1.4	19957	1	#Mid	QAM16	22.24	24.92	PASS
LTE Band4	1.4	19957	1	#Max	QAM16	22.14	24.82	PASS
LTE Band4	1.4	19957	3	#0	QAM16	22.30	24.98	PASS
LTE Band4	1.4	19957	3	#Mid	QAM16	22.30	24.98	PASS
LTE Band4	1.4	19957	3	#Max	QAM16	22.29	24.97	PASS
LTE Band4	1.4	19957	6	#0	QAM16	21.22	23.90	PASS
LTE Band4	1.4	19957	1	#0	QAM64	21.13	23.81	PASS
LTE Band4	1.4	19957	1	#Mid	QAM64	21.06	23.74	PASS



LTE Band4	1.4	19957	1	#Max	QAM64	21.07	23.75	PASS
LTE Band4	1.4	19957	3	#0	QAM64	20.00	22.68	PASS
LTE Band4	1.4	19957	3	#Mid	QAM64	19.95	22.63	PASS
LTE Band4	1.4	19957	3	#Max	QAM64	19.97	22.65	PASS
LTE Band4	1.4	19957	6	#0	QAM64	19.97	22.65	PASS
LTE Band4	1.4	20175	1	#0	QPSK	23.22	25.20	PASS
LTE Band4	1.4	20175	1	#Mid	QPSK	23.34	25.32	PASS
LTE Band4	1.4	20175	1	#Max	QPSK	23.28	25.26	PASS
LTE Band4	1.4	20175	3	#0	QPSK	23.15	25.13	PASS
LTE Band4	1.4	20175	3	#Mid	QPSK	23.14	25.12	PASS
LTE Band4	1.4	20175	3	#Max	QPSK	23.17	25.15	PASS
LTE Band4	1.4	20175	6	#0	QPSK	22.21	24.19	PASS
LTE Band4	1.4	20175	1	#0	QAM16	22.18	24.16	PASS
LTE Band4	1.4	20175	1	#Mid	QAM16	22.33	24.31	PASS
LTE Band4	1.4	20175	1	#Max	QAM16	22.23	24.21	PASS
LTE Band4	1.4	20175	3	#0	QAM16	22.39	24.37	PASS
LTE Band4	1.4	20175	3	#Mid	QAM16	22.39	24.37	PASS
LTE Band4	1.4	20175	3	#Max	QAM16	22.45	24.43	PASS
LTE Band4	1.4	20175	6	#0	QAM16	21.27	23.25	PASS
LTE Band4	1.4	20175	1	#0	QAM64	21.24	23.22	PASS
LTE Band4	1.4	20175	1	#Mid	QAM64	21.10	23.08	PASS
LTE Band4	1.4	20175	1	#Max	QAM64	21.06	23.04	PASS
LTE Band4	1.4	20175	3	#0	QAM64	20.05	22.03	PASS
LTE Band4	1.4	20175	3	#Mid	QAM64	20.02	22.00	PASS
LTE Band4	1.4	20175	3	#Max	QAM64	19.96	21.94	PASS
LTE Band4	1.4	20175	6	#0	QAM64	20.05	22.03	PASS
LTE Band4	1.4	20393	1	#0	QPSK	23.03	24.60	PASS
LTE Band4	1.4	20393	1	#Mid	QPSK	23.17	24.74	PASS
LTE Band4	1.4	20393	1	#Max	QPSK	23.12	24.69	PASS
LTE Band4	1.4	20393	3	#0	QPSK	23.03	24.60	PASS
LTE Band4	1.4	20393	3	#Mid	QPSK	23.03	24.60	PASS
LTE Band4	1.4	20393	3	#Max	QPSK	23.11	24.68	PASS
LTE Band4	1.4	20393	6	#0	QPSK	22.13	23.70	PASS
LTE Band4	1.4	20393	1	#0	QAM16	22.22	23.79	PASS
LTE Band4	1.4	20393	1	#Mid	QAM16	22.43	24.00	PASS
LTE Band4	1.4	20393	1	#Max	QAM16	22.33	23.90	PASS
LTE Band4	1.4	20393	3	#0	QAM16	22.16	23.73	PASS
LTE Band4	1.4	20393	3	#Mid	QAM16	22.16	23.73	PASS
LTE Band4	1.4	20393	3	#Max	QAM16	22.26	23.83	PASS
LTE Band4	1.4	20393	6	#0	QAM16	21.11	22.68	PASS
LTE Band4	1.4	20393	1	#0	QAM64	21.14	22.71	PASS
LTE Band4	1.4	20393	1	#Mid	QAM64	21.08	22.65	PASS
LTE Band4	1.4	20393	1	#Max	QAM64	21.10	22.67	PASS



LTE Band4	1.4	20393	3	#0	QAM64	19.93	21.50	PASS
LTE Band4	1.4	20393	3	#Mid	QAM64	19.98	21.55	PASS
LTE Band4	1.4	20393	3	#Max	QAM64	19.94	21.51	PASS
LTE Band4	1.4	20393	6	#0	QAM64	20.00	21.57	PASS
LTE Band4	3	19965	1	#0	QPSK	23.14	25.82	PASS
LTE Band4	3	19965	1	#Mid	QPSK	23.33	26.01	PASS
LTE Band4	3	19965	1	#Max	QPSK	23.17	25.85	PASS
LTE Band4	3	19965	8	#0	QPSK	22.31	24.99	PASS
LTE Band4	3	19965	8	#Mid	QPSK	22.31	24.99	PASS
LTE Band4	3	19965	8	#Max	QPSK	22.34	25.02	PASS
LTE Band4	3	19965	15	#0	QPSK	22.37	25.05	PASS
LTE Band4	3	19965	1	#0	QAM16	22.43	25.11	PASS
LTE Band4	3	19965	1	#Mid	QAM16	22.60	25.28	PASS
LTE Band4	3	19965	1	#Max	QAM16	22.46	25.14	PASS
LTE Band4	3	19965	8	#0	QAM16	21.36	24.04	PASS
LTE Band4	3	19965	8	#Mid	QAM16	21.35	24.03	PASS
LTE Band4	3	19965	8	#Max	QAM16	21.37	24.05	PASS
LTE Band4	3	19965	15	#0	QAM16	21.32	24.00	PASS
LTE Band4	3	19965	1	#0	QAM64	21.15	23.83	PASS
LTE Band4	3	19965	1	#Mid	QAM64	21.09	23.77	PASS
LTE Band4	3	19965	1	#Max	QAM64	21.10	23.78	PASS
LTE Band4	3	19965	8	#0	QAM64	20.08	22.76	PASS
LTE Band4	3	19965	8	#Mid	QAM64	20.05	22.73	PASS
LTE Band4	3	19965	8	#Max	QAM64	20.05	22.73	PASS
LTE Band4	3	19965	15	#0	QAM64	20.00	22.68	PASS
LTE Band4	3	20175	1	#0	QPSK	23.12	25.10	PASS
LTE Band4	3	20175	1	#Mid	QPSK	23.35	25.33	PASS
LTE Band4	3	20175	1	#Max	QPSK	23.15	25.13	PASS
LTE Band4	3	20175	8	#0	QPSK	22.27	24.25	PASS
LTE Band4	3	20175	8	#Mid	QPSK	22.27	24.25	PASS
LTE Band4	3	20175	8	#Max	QPSK	22.31	24.29	PASS
LTE Band4	3	20175	15	#0	QPSK	22.25	24.23	PASS
LTE Band4	3	20175	1	#0	QAM16	22.34	24.32	PASS
LTE Band4	3	20175	1	#Mid	QAM16	22.48	24.46	PASS
LTE Band4	3	20175	1	#Max	QAM16	22.30	24.28	PASS
LTE Band4	3	20175	8	#0	QAM16	21.25	23.23	PASS
LTE Band4	3	20175	8	#Mid	QAM16	21.26	23.24	PASS
LTE Band4	3	20175	8	#Max	QAM16	21.29	23.27	PASS
LTE Band4	3	20175	15	#0	QAM16	21.16	23.14	PASS
LTE Band4	3	20175	1	#0	QAM64	21.28	23.26	PASS
LTE Band4	3	20175	1	#Mid	QAM64	21.15	23.13	PASS
LTE Band4	3	20175	1	#Max	QAM64	21.11	23.09	PASS
LTE Band4	3	20175	8	#0	QAM64	20.15	22.13	PASS



LTE Band4	3	20175	8	#Mid	QAM64	20.10	22.08	PASS
LTE Band4	3	20175	8	#Max	QAM64	20.05	22.03	PASS
LTE Band4	3	20175	15	#0	QAM64	20.09	22.07	PASS
LTE Band4	3	20385	1	#0	QPSK	23.16	24.73	PASS
LTE Band4	3	20385	1	#Mid	QPSK	23.41	24.98	PASS
LTE Band4	3	20385	1	#Max	QPSK	23.21	24.78	PASS
LTE Band4	3	20385	8	#0	QPSK	22.18	23.75	PASS
LTE Band4	3	20385	8	#Mid	QPSK	22.18	23.75	PASS
LTE Band4	3	20385	8	#Max	QPSK	22.28	23.85	PASS
LTE Band4	3	20385	15	#0	QPSK	22.33	23.90	PASS
LTE Band4	3	20385	1	#0	QAM16	22.10	23.67	PASS
LTE Band4	3	20385	1	#Mid	QAM16	22.22	23.79	PASS
LTE Band4	3	20385	1	#Max	QAM16	22.15	23.72	PASS
LTE Band4	3	20385	8	#0	QAM16	21.23	22.80	PASS
LTE Band4	3	20385	8	#Mid	QAM16	21.24	22.81	PASS
LTE Band4	3	20385	8	#Max	QAM16	21.36	22.93	PASS
LTE Band4	3	20385	15	#0	QAM16	21.33	22.90	PASS
LTE Band4	3	20385	1	#0	QAM64	21.17	22.74	PASS
LTE Band4	3	20385	1	#Mid	QAM64	21.12	22.69	PASS
LTE Band4	3	20385	1	#Max	QAM64	21.14	22.71	PASS
LTE Band4	3	20385	8	#0	QAM64	20.04	21.61	PASS
LTE Band4	3	20385	8	#Mid	QAM64	20.08	21.65	PASS
LTE Band4	3	20385	8	#Max	QAM64	20.02	21.59	PASS
LTE Band4	3	20385	15	#0	QAM64	20.03	21.60	PASS
LTE Band4	5	19975	1	#0	QPSK	23.22	25.90	PASS
LTE Band4	5	19975	1	#Mid	QPSK	23.34	26.02	PASS
LTE Band4	5	19975	1	#Max	QPSK	23.21	25.89	PASS
LTE Band4	5	19975	12	#0	QPSK	22.32	25.00	PASS
LTE Band4	5	19975	12	#Mid	QPSK	22.33	25.01	PASS
LTE Band4	5	19975	12	#Max	QPSK	22.31	24.99	PASS
LTE Band4	5	19975	25	#0	QPSK	22.29	24.97	PASS
LTE Band4	5	19975	1	#0	QAM16	22.48	25.16	PASS
LTE Band4	5	19975	1	#Mid	QAM16	22.61	25.29	PASS
LTE Band4	5	19975	1	#Max	QAM16	22.50	25.18	PASS
LTE Band4	5	19975	12	#0	QAM16	21.37	24.05	PASS
LTE Band4	5	19975	12	#Mid	QAM16	21.36	24.04	PASS
LTE Band4	5	19975	12	#Max	QAM16	21.31	23.99	PASS
LTE Band4	5	19975	25	#0	QAM16	21.38	24.06	PASS
LTE Band4	5	19975	1	#0	QAM64	21.19	23.87	PASS
LTE Band4	5	19975	1	#Mid	QAM64	21.16	23.84	PASS
LTE Band4	5	19975	1	#Max	QAM64	21.16	23.84	PASS
LTE Band4	5	19975	12	#0	QAM64	20.15	22.83	PASS
LTE Band4	5	19975	12	#Mid	QAM64	20.10	22.78	PASS



LTE Band4	5	19975	12	#Max	QAM64	20.12	22.80	PASS
LTE Band4	5	19975	25	#0	QAM64	20.08	22.76	PASS
LTE Band4	5	20175	1	#0	QPSK	23.19	25.17	PASS
LTE Band4	5	20175	1	#Mid	QPSK	23.37	25.35	PASS
LTE Band4	5	20175	1	#Max	QPSK	23.24	25.22	PASS
LTE Band4	5	20175	12	#0	QPSK	22.30	24.28	PASS
LTE Band4	5	20175	12	#Mid	QPSK	22.28	24.26	PASS
LTE Band4	5	20175	12	#Max	QPSK	22.33	24.31	PASS
LTE Band4	5	20175	25	#0	QPSK	22.20	24.18	PASS
LTE Band4	5	20175	1	#0	QAM16	22.42	24.40	PASS
LTE Band4	5	20175	1	#Mid	QAM16	22.53	24.51	PASS
LTE Band4	5	20175	1	#Max	QAM16	22.35	24.33	PASS
LTE Band4	5	20175	12	#0	QAM16	21.22	23.20	PASS
LTE Band4	5	20175	12	#Mid	QAM16	21.25	23.23	PASS
LTE Band4	5	20175	12	#Max	QAM16	21.26	23.24	PASS
LTE Band4	5	20175	25	#0	QAM16	21.23	23.21	PASS
LTE Band4	5	20175	1	#0	QAM64	21.40	23.38	PASS
LTE Band4	5	20175	1	#Mid	QAM64	21.20	23.18	PASS
LTE Band4	5	20175	1	#Max	QAM64	21.18	23.16	PASS
LTE Band4	5	20175	12	#0	QAM64	20.19	22.17	PASS
LTE Band4	5	20175	12	#Mid	QAM64	20.15	22.13	PASS
LTE Band4	5	20175	12	#Max	QAM64	20.15	22.13	PASS
LTE Band4	5	20175	25	#0	QAM64	20.18	22.16	PASS
LTE Band4	5	20375	1	#0	QPSK	23.13	24.70	PASS
LTE Band4	5	20375	1	#Mid	QPSK	23.23	24.80	PASS
LTE Band4	5	20375	1	#Max	QPSK	23.09	24.66	PASS
LTE Band4	5	20375	12	#0	QPSK	22.23	23.80	PASS
LTE Band4	5	20375	12	#Mid	QPSK	22.24	23.81	PASS
LTE Band4	5	20375	12	#Max	QPSK	22.27	23.84	PASS
LTE Band4	5	20375	25	#0	QPSK	22.23	23.80	PASS
LTE Band4	5	20375	1	#0	QAM16	22.46	24.03	PASS
LTE Band4	5	20375	1	#Mid	QAM16	22.56	24.13	PASS
LTE Band4	5	20375	1	#Max	QAM16	22.43	24.00	PASS
LTE Band4	5	20375	12	#0	QAM16	21.25	22.82	PASS
LTE Band4	5	20375	12	#Mid	QAM16	21.26	22.83	PASS
LTE Band4	5	20375	12	#Max	QAM16	21.31	22.88	PASS
LTE Band4	5	20375	25	#0	QAM16	21.30	22.87	PASS
LTE Band4	5	20375	1	#0	QAM64	21.22	22.79	PASS
LTE Band4	5	20375	1	#Mid	QAM64	21.19	22.76	PASS
LTE Band4	5	20375	1	#Max	QAM64	21.23	22.80	PASS
LTE Band4	5	20375	12	#0	QAM64	20.10	21.67	PASS
LTE Band4	5	20375	12	#Mid	QAM64	20.12	21.69	PASS
LTE Band4	5	20375	12	#Max	QAM64	20.02	21.59	PASS



LTE Band4	5	20375	25	#0	QAM64	20.04	21.61	PASS
LTE Band4	10	20000	1	#0	QPSK	23.22	25.44	PASS
LTE Band4	10	20000	1	#Mid	QPSK	23.09	25.31	PASS
LTE Band4	10	20000	1	#Max	QPSK	23.06	25.28	PASS
LTE Band4	10	20000	25	#0	QPSK	22.35	24.57	PASS
LTE Band4	10	20000	25	#Mid	QPSK	22.33	24.55	PASS
LTE Band4	10	20000	25	#Max	QPSK	22.27	24.49	PASS
LTE Band4	10	20000	50	#0	QPSK	22.30	24.52	PASS
LTE Band4	10	20000	1	#0	QAM16	22.48	24.70	PASS
LTE Band4	10	20000	1	#Mid	QAM16	22.35	24.57	PASS
LTE Band4	10	20000	1	#Max	QAM16	22.40	24.62	PASS
LTE Band4	10	20000	25	#0	QAM16	21.43	23.65	PASS
LTE Band4	10	20000	25	#Mid	QAM16	21.46	23.68	PASS
LTE Band4	10	20000	25	#Max	QAM16	21.39	23.61	PASS
LTE Band4	10	20000	50	#0	QAM16	21.32	23.54	PASS
LTE Band4	10	20000	1	#0	QAM64	21.14	23.36	PASS
LTE Band4	10	20000	1	#Mid	QAM64	21.10	23.32	PASS
LTE Band4	10	20000	1	#Max	QAM64	21.09	23.31	PASS
LTE Band4	10	20000	25	#0	QAM64	20.08	22.30	PASS
LTE Band4	10	20000	25	#Mid	QAM64	20.06	22.28	PASS
LTE Band4	10	20000	25	#Max	QAM64	20.05	22.27	PASS
LTE Band4	10	20000	50	#0	QAM64	20.06	22.28	PASS
LTE Band4	10	20175	1	#0	QPSK	23.18	25.16	PASS
LTE Band4	10	20175	1	#Mid	QPSK	23.03	23.03	PASS
LTE Band4	10	20175	1	#Max	QPSK	23.16	25.14	PASS
LTE Band4	10	20175	25	#0	QPSK	22.34	24.32	PASS
LTE Band4	10	20175	25	#Mid	QPSK	22.32	24.30	PASS
LTE Band4	10	20175	25	#Max	QPSK	22.22	24.20	PASS
LTE Band4	10	20175	50	#0	QPSK	22.28	24.26	PASS
LTE Band4	10	20175	1	#0	QAM16	22.39	24.37	PASS
LTE Band4	10	20175	1	#Mid	QAM16	22.25	24.23	PASS
LTE Band4	10	20175	1	#Max	QAM16	22.22	24.20	PASS
LTE Band4	10	20175	25	#0	QAM16	21.41	23.39	PASS
LTE Band4	10	20175	25	#Mid	QAM16	21.41	23.39	PASS
LTE Band4	10	20175	25	#Max	QAM16	21.28	23.26	PASS
LTE Band4	10	20175	50	#0	QAM16	21.25	23.23	PASS
LTE Band4	10	20175	1	#0	QAM64	21.27	23.25	PASS
LTE Band4	10	20175	1	#Mid	QAM64	21.16	23.14	PASS
LTE Band4	10	20175	1	#Max	QAM64	21.10	23.08	PASS
LTE Band4	10	20175	25	#0	QAM64	20.15	22.13	PASS
LTE Band4	10	20175	25	#Mid	QAM64	20.11	22.09	PASS
LTE Band4	10	20175	25	#Max	QAM64	20.07	22.05	PASS
LTE Band4	10	20175	50	#0	QAM64	20.10	22.08	PASS



LTE Band4	10	20350	1	#0	QPSK	23.23	24.80	PASS
LTE Band4	10	20350	1	#Mid	QPSK	23.11	24.68	PASS
LTE Band4	10	20350	1	#Max	QPSK	23.10	24.67	PASS
LTE Band4	10	20350	25	#0	QPSK	22.24	23.81	PASS
LTE Band4	10	20350	25	#Mid	QPSK	22.24	23.81	PASS
LTE Band4	10	20350	25	#Max	QPSK	22.15	23.72	PASS
LTE Band4	10	20350	50	#0	QPSK	22.20	23.77	PASS
LTE Band4	10	20350	1	#0	QAM16	22.02	23.59	PASS
LTE Band4	10	20350	1	#Mid	QAM16	21.93	23.50	PASS
LTE Band4	10	20350	1	#Max	QAM16	21.93	23.50	PASS
LTE Band4	10	20350	25	#0	QAM16	21.26	22.83	PASS
LTE Band4	10	20350	25	#Mid	QAM16	21.26	22.83	PASS
LTE Band4	10	20350	25	#Max	QAM16	21.20	22.77	PASS
LTE Band4	10	20350	50	#0	QAM16	21.23	22.80	PASS
LTE Band4	10	20350	1	#0	QAM64	21.16	22.73	PASS
LTE Band4	10	20350	1	#Mid	QAM64	21.13	22.70	PASS
LTE Band4	10	20350	1	#Max	QAM64	21.13	22.70	PASS
LTE Band4	10	20350	25	#0	QAM64	20.04	21.61	PASS
LTE Band4	10	20350	25	#Mid	QAM64	20.07	21.64	PASS
LTE Band4	10	20350	25	#Max	QAM64	20.03	21.60	PASS
LTE Band4	10	20350	50	#0	QAM64	20.05	21.62	PASS
LTE Band4	15	20025	1	#0	QPSK	23.40	25.62	PASS
LTE Band4	15	20025	1	#Mid	QPSK	23.34	25.56	PASS
LTE Band4	15	20025	1	#Max	QPSK	23.27	25.49	PASS
LTE Band4	15	20025	36	#0	QPSK	22.53	24.75	PASS
LTE Band4	15	20025	36	#Mid	QPSK	22.54	24.76	PASS
LTE Band4	15	20025	36	#Max	QPSK	22.51	24.73	PASS
LTE Band4	15	20025	75	#0	QPSK	22.52	24.74	PASS
LTE Band4	15	20025	1	#0	QAM16	22.68	24.90	PASS
LTE Band4	15	20025	1	#Mid	QAM16	22.62	24.84	PASS
LTE Band4	15	20025	1	#Max	QAM16	22.68	24.90	PASS
LTE Band4	15	20025	36	#0	QAM16	21.53	23.75	PASS
LTE Band4	15	20025	36	#Mid	QAM16	21.55	23.77	PASS
LTE Band4	15	20025	36	#Max	QAM16	21.49	23.71	PASS
LTE Band4	15	20025	75	#0	QAM16	21.52	23.74	PASS
LTE Band4	15	20025	1	#0	QAM64	21.13	23.35	PASS
LTE Band4	15	20025	1	#Mid	QAM64	21.08	23.30	PASS
LTE Band4	15	20025	1	#Max	QAM64	21.06	23.28	PASS
LTE Band4	15	20025	36	#0	QAM64	20.06	22.28	PASS
LTE Band4	15	20025	36	#Mid	QAM64	20.03	22.25	PASS
LTE Band4	15	20025	36	#Max	QAM64	20.02	22.24	PASS
LTE Band4	15	20025	75	#0	QAM64	20.04	22.26	PASS
LTE Band4	15	20175	1	#0	QPSK	23.34	25.32	PASS



LTE Band4	15	20175	1	#Mid	QPSK	23.33	25.31	PASS
LTE Band4	15	20175	1	#Max	QPSK	23.32	25.30	PASS
LTE Band4	15	20175	36	#0	QPSK	22.53	24.51	PASS
LTE Band4	15	20175	36	#Mid	QPSK	22.51	24.49	PASS
LTE Band4	15	20175	36	#Max	QPSK	22.51	24.49	PASS
LTE Band4	15	20175	75	#0	QPSK	22.50	24.48	PASS
LTE Band4	15	20175	1	#0	QAM16	22.63	24.61	PASS
LTE Band4	15	20175	1	#Mid	QAM16	22.52	24.50	PASS
LTE Band4	15	20175	1	#Max	QAM16	22.45	24.43	PASS
LTE Band4	15	20175	36	#0	QAM16	21.49	23.47	PASS
LTE Band4	15	20175	36	#Mid	QAM16	21.49	23.47	PASS
LTE Band4	15	20175	36	#Max	QAM16	21.43	23.41	PASS
LTE Band4	15	20175	75	#0	QAM16	21.46	23.44	PASS
LTE Band4	15	20175	1	#0	QAM64	21.23	23.21	PASS
LTE Band4	15	20175	1	#Mid	QAM64	21.15	23.13	PASS
LTE Band4	15	20175	1	#Max	QAM64	21.05	23.03	PASS
LTE Band4	15	20175	36	#0	QAM64	20.11	22.09	PASS
LTE Band4	15	20175	36	#Mid	QAM64	20.06	22.04	PASS
LTE Band4	15	20175	36	#Max	QAM64	20.04	22.02	PASS
LTE Band4	15	20175	75	#0	QAM64	20.06	22.04	PASS
LTE Band4	15	20325	1	#0	QPSK	23.54	25.11	PASS
LTE Band4	15	20325	1	#Mid	QPSK	23.47	25.04	PASS
LTE Band4	15	20325	1	#Max	QPSK	23.40	24.97	PASS
LTE Band4	15	20325	36	#0	QPSK	22.52	24.09	PASS
LTE Band4	15	20325	36	#Mid	QPSK	22.51	24.08	PASS
LTE Band4	15	20325	36	#Max	QPSK	22.45	24.02	PASS
LTE Band4	15	20325	75	#0	QPSK	22.45	24.02	PASS
LTE Band4	15	20325	1	#0	QAM16	22.43	24.00	PASS
LTE Band4	15	20325	1	#Mid	QAM16	22.38	23.95	PASS
LTE Band4	15	20325	1	#Max	QAM16	22.38	23.95	PASS
LTE Band4	15	20325	36	#0	QAM16	21.45	23.02	PASS
LTE Band4	15	20325	36	#Mid	QAM16	21.44	23.01	PASS
LTE Band4	15	20325	36	#Max	QAM16	21.36	22.93	PASS
LTE Band4	15	20325	75	#0	QAM16	21.44	23.01	PASS
LTE Band4	15	20325	1	#0	QAM64	21.14	22.71	PASS
LTE Band4	15	20325	1	#Mid	QAM64	21.10	22.67	PASS
LTE Band4	15	20325	1	#Max	QAM64	21.09	22.66	PASS
LTE Band4	15	20325	36	#0	QAM64	20.01	21.58	PASS
LTE Band4	15	20325	36	#Mid	QAM64	20.03	21.60	PASS
LTE Band4	15	20325	36	#Max	QAM64	19.99	21.56	PASS
LTE Band4	15	20325	75	#0	QAM64	20.00	21.57	PASS
LTE Band4	20	20050	1	#0	QPSK	23.53	25.75	PASS
LTE Band4	20	20050	1	#Mid	QPSK	23.39	25.61	PASS



LTE Band4	20	20050	1	#Max	QPSK	23.35	25.57	PASS
LTE Band4	20	20050	50	#0	QPSK	22.49	24.71	PASS
LTE Band4	20	20050	50	#Mid	QPSK	22.47	24.69	PASS
LTE Band4	20	20050	50	#Max	QPSK	22.43	24.65	PASS
LTE Band4	20	20050	100	#0	QPSK	22.43	24.65	PASS
LTE Band4	20	20050	1	#0	QAM16	22.71	24.93	PASS
LTE Band4	20	20050	1	#Mid	QAM16	22.59	24.81	PASS
LTE Band4	20	20050	1	#Max	QAM16	22.53	24.75	PASS
LTE Band4	20	20050	50	#0	QAM16	21.53	23.75	PASS
LTE Band4	20	20050	50	#Mid	QAM16	21.53	23.75	PASS
LTE Band4	20	20050	50	#Max	QAM16	21.50	23.72	PASS
LTE Band4	20	20050	100	#0	QAM16	21.49	23.71	PASS
LTE Band4	20	20050	1	#0	QAM64	21.10	23.32	PASS
LTE Band4	20	20050	1	#Mid	QAM64	21.07	23.29	PASS
LTE Band4	20	20050	1	#Max	QAM64	21.04	23.26	PASS
LTE Band4	20	20050	50	#0	QAM64	20.03	22.25	PASS
LTE Band4	20	20050	50	#Mid	QAM64	20.01	22.23	PASS
LTE Band4	20	20050	50	#Max	QAM64	19.99	22.21	PASS
LTE Band4	20	20050	100	#0	QAM64	20.01	22.23	PASS
LTE Band4	20	20175	1	#0	QPSK	23.54	25.52	PASS
LTE Band4	20	20175	1	#Mid	QPSK	23.47	25.45	PASS
LTE Band4	20	20175	1	#Max	QPSK	23.42	25.40	PASS
LTE Band4	20	20175	50	#0	QPSK	22.46	24.44	PASS
LTE Band4	20	20175	50	#Mid	QPSK	22.45	24.43	PASS
LTE Band4	20	20175	50	#Max	QPSK	22.37	24.35	PASS
LTE Band4	20	20175	100	#0	QPSK	22.42	24.40	PASS
LTE Band4	20	20175	1	#0	QAM16	22.38	24.36	PASS
LTE Band4	20	20175	1	#Mid	QAM16	22.23	24.21	PASS
LTE Band4	20	20175	1	#Max	QAM16	22.18	24.16	PASS
LTE Band4	20	20175	50	#0	QAM16	21.48	23.46	PASS
LTE Band4	20	20175	50	#Mid	QAM16	21.49	23.47	PASS
LTE Band4	20	20175	50	#Max	QAM16	21.37	23.35	PASS
LTE Band4	20	20175	100	#0	QAM16	21.44	23.42	PASS
LTE Band4	20	20175	1	#0	QAM64	21.19	23.17	PASS
LTE Band4	20	20175	1	#Mid	QAM64	21.11	23.09	PASS
LTE Band4	20	20175	1	#Max	QAM64	21.04	23.02	PASS
LTE Band4	20	20175	50	#0	QAM64	20.06	22.04	PASS
LTE Band4	20	20175	50	#Mid	QAM64	20.02	22.00	PASS
LTE Band4	20	20175	50	#Max	QAM64	19.99	21.97	PASS
LTE Band4	20	20175	100	#0	QAM64	20.01	21.99	PASS
LTE Band4	20	20300	1	#0	QPSK	23.50	25.07	PASS
LTE Band4	20	20300	1	#Mid	QPSK	23.37	24.94	PASS
LTE Band4	20	20300	1	#Max	QPSK	23.29	24.86	PASS



LTE Band4	20	20300	50	#0	QPSK	22.38	23.95	PASS
LTE Band4	20	20300	50	#Mid	QPSK	22.40	23.97	PASS
LTE Band4	20	20300	50	#Max	QPSK	22.35	23.92	PASS
LTE Band4	20	20300	100	#0	QPSK	22.36	23.93	PASS
LTE Band4	20	20300	1	#0	QAM16	22.25	23.82	PASS
LTE Band4	20	20300	1	#Mid	QAM16	22.11	23.68	PASS
LTE Band4	20	20300	1	#Max	QAM16	22.06	23.63	PASS
LTE Band4	20	20300	50	#0	QAM16	21.40	22.97	PASS
LTE Band4	20	20300	50	#Mid	QAM16	21.44	23.01	PASS
LTE Band4	20	20300	50	#Max	QAM16	21.41	22.98	PASS
LTE Band4	20	20300	100	#0	QAM16	21.35	22.92	PASS
LTE Band4	20	20300	1	#0	QAM64	21.11	22.68	PASS
LTE Band4	20	20300	1	#Mid	QAM64	21.08	22.65	PASS
LTE Band4	20	20300	1	#Max	QAM64	21.06	22.63	PASS
LTE Band4	20	20300	50	#0	QAM64	19.97	21.54	PASS
LTE Band4	20	20300	50	#Mid	QAM64	20.00	21.57	PASS
LTE Band4	20	20300	50	#Max	QAM64	19.95	21.52	PASS
LTE Band4	20	20300	100	#0	QAM64	19.96	21.53	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
LTE Band7	5	20775	1	#0	QPSK	23.56	25.79	PASS
LTE Band7	5	20775	1	#Mid	QPSK	23.73	25.96	PASS
LTE Band7	5	20775	1	#Max	QPSK	23.71	25.94	PASS
LTE Band7	5	20775	12	#0	QPSK	22.70	24.93	PASS
LTE Band7	5	20775	12	#Mid	QPSK	22.70	24.93	PASS
LTE Band7	5	20775	12	#Max	QPSK	22.72	24.95	PASS
LTE Band7	5	20775	25	#0	QPSK	22.68	24.91	PASS
LTE Band7	5	20775	1	#0	QAM16	22.67	24.90	PASS
LTE Band7	5	20775	1	#Mid	QAM16	22.84	25.07	PASS
LTE Band7	5	20775	1	#Max	QAM16	22.86	25.09	PASS
LTE Band7	5	20775	12	#0	QAM16	21.64	23.87	PASS
LTE Band7	5	20775	12	#Mid	QAM16	21.64	23.87	PASS
LTE Band7	5	20775	12	#Max	QAM16	21.67	23.90	PASS
LTE Band7	5	20775	25	#0	QAM16	21.66	23.89	PASS
LTE Band7	5	20775	1	#0	QAM64	21.13	23.36	PASS
LTE Band7	5	20775	1	#Mid	QAM64	21.00	23.23	PASS
LTE Band7	5	20775	1	#Max	QAM64	21.19	23.42	PASS
LTE Band7	5	20775	12	#0	QAM64	19.84	22.07	PASS
LTE Band7	5	20775	12	#Mid	QAM64	19.74	21.97	PASS
LTE Band7	5	20775	12	#Max	QAM64	19.75	21.98	PASS
LTE Band7	5	20775	25	#0	QAM64	19.84	22.07	PASS



LTE Band7	5	21100	1	#0	QPSK	23.30	25.86	PASS
LTE Band7	5	21100	1	#Mid	QPSK	23.48	26.04	PASS
LTE Band7	5	21100	1	#Max	QPSK	23.41	25.97	PASS
LTE Band7	5	21100	12	#0	QPSK	22.46	25.02	PASS
LTE Band7	5	21100	12	#Mid	QPSK	22.48	25.04	PASS
LTE Band7	5	21100	12	#Max	QPSK	22.54	25.10	PASS
LTE Band7	5	21100	25	#0	QPSK	22.47	25.03	PASS
LTE Band7	5	21100	1	#0	QAM16	22.65	25.21	PASS
LTE Band7	5	21100	1	#Mid	QAM16	22.84	25.40	PASS
LTE Band7	5	21100	1	#Max	QAM16	22.79	25.35	PASS
LTE Band7	5	21100	12	#0	QAM16	21.54	24.10	PASS
LTE Band7	5	21100	12	#Mid	QAM16	21.56	24.12	PASS
LTE Band7	5	21100	12	#Max	QAM16	21.60	24.16	PASS
LTE Band7	5	21100	25	#0	QAM16	21.54	24.10	PASS
LTE Band7	5	21100	1	#0	QAM64	21.19	23.75	PASS
LTE Band7	5	21100	1	#Mid	QAM64	21.00	23.56	PASS
LTE Band7	5	21100	1	#Max	QAM64	21.04	23.60	PASS
LTE Band7	5	21100	12	#0	QAM64	19.84	22.40	PASS
LTE Band7	5	21100	12	#Mid	QAM64	19.80	22.36	PASS
LTE Band7	5	21100	12	#Max	QAM64	19.76	22.32	PASS
LTE Band7	5	21100	25	#0	QAM64	19.84	22.40	PASS
LTE Band7	5	21425	1	#0	QPSK	22.62	25.45	PASS
LTE Band7	5	21425	1	#Mid	QPSK	22.80	25.63	PASS
LTE Band7	5	21425	1	#Max	QPSK	22.81	25.64	PASS
LTE Band7	5	21425	12	#0	QPSK	21.74	24.57	PASS
LTE Band7	5	21425	12	#Mid	QPSK	21.75	24.58	PASS
LTE Band7	5	21425	12	#Max	QPSK	21.84	24.67	PASS
LTE Band7	5	21425	25	#0	QPSK	21.78	24.61	PASS
LTE Band7	5	21425	1	#0	QAM16	21.91	24.74	PASS
LTE Band7	5	21425	1	#Mid	QAM16	22.13	24.96	PASS
LTE Band7	5	21425	1	#Max	QAM16	22.13	24.96	PASS
LTE Band7	5	21425	12	#0	QAM16	20.75	23.58	PASS
LTE Band7	5	21425	12	#Mid	QAM16	20.71	23.54	PASS
LTE Band7	5	21425	12	#Max	QAM16	20.90	23.73	PASS
LTE Band7	5	21425	25	#0	QAM16	20.85	23.68	PASS
LTE Band7	5	21425	1	#0	QAM64	21.12	23.95	PASS
LTE Band7	5	21425	1	#Mid	QAM64	20.87	23.70	PASS
LTE Band7	5	21425	1	#Max	QAM64	20.84	23.67	PASS
LTE Band7	5	21425	12	#0	QAM64	19.82	22.65	PASS
LTE Band7	5	21425	12	#Mid	QAM64	19.72	22.55	PASS
LTE Band7	5	21425	12	#Max	QAM64	19.65	22.48	PASS
LTE Band7	5	21425	25	#0	QAM64	19.79	22.62	PASS
LTE Band7	10	20800	1	#0	QPSK	22.57	24.67	PASS



LTE Band7	10	20800	1	#Mid	QPSK	22.88	24.98	PASS
LTE Band7	10	20800	1	#Max	QPSK	23.28	25.38	PASS
LTE Band7	10	20800	25	#0	QPSK	21.81	23.91	PASS
LTE Band7	10	20800	25	#Mid	QPSK	21.82	23.92	PASS
LTE Band7	10	20800	25	#Max	QPSK	22.16	24.26	PASS
LTE Band7	10	20800	50	#0	QPSK	21.94	24.04	PASS
LTE Band7	10	20800	1	#0	QAM16	21.75	23.85	PASS
LTE Band7	10	20800	1	#Mid	QAM16	21.93	24.03	PASS
LTE Band7	10	20800	1	#Max	QAM16	22.49	24.59	PASS
LTE Band7	10	20800	25	#0	QAM16	20.87	22.97	PASS
LTE Band7	10	20800	25	#Mid	QAM16	20.88	22.98	PASS
LTE Band7	10	20800	25	#Max	QAM16	21.21	23.31	PASS
LTE Band7	10	20800	50	#0	QAM16	20.95	23.05	PASS
LTE Band7	10	20800	1	#0	QAM64	21.15	23.25	PASS
LTE Band7	10	20800	1	#Mid	QAM64	21.03	23.13	PASS
LTE Band7	10	20800	1	#Max	QAM64	21.22	23.32	PASS
LTE Band7	10	20800	25	#0	QAM64	19.92	22.02	PASS
LTE Band7	10	20800	25	#Mid	QAM64	19.84	21.94	PASS
LTE Band7	10	20800	25	#Max	QAM64	19.83	21.93	PASS
LTE Band7	10	20800	50	#0	QAM64	19.87	21.97	PASS
LTE Band7	10	21100	1	#0	QPSK	24.47	27.03	PASS
LTE Band7	10	21100	1	#Mid	QPSK	24.11	26.67	PASS
LTE Band7	10	21100	1	#Max	QPSK	23.86	26.42	PASS
LTE Band7	10	21100	25	#0	QPSK	23.50	26.06	PASS
LTE Band7	10	21100	25	#Mid	QPSK	23.52	26.08	PASS
LTE Band7	10	21100	25	#Max	QPSK	23.20	25.76	PASS
LTE Band7	10	21100	50	#0	QPSK	23.35	25.91	PASS
LTE Band7	10	21100	1	#0	QAM16	23.62	26.18	PASS
LTE Band7	10	21100	1	#Mid	QAM16	23.29	25.85	PASS
LTE Band7	10	21100	1	#Max	QAM16	23.03	25.59	PASS
LTE Band7	10	21100	25	#0	QAM16	22.52	25.08	PASS
LTE Band7	10	21100	25	#Mid	QAM16	22.52	25.08	PASS
LTE Band7	10	21100	25	#Max	QAM16	22.24	24.80	PASS
LTE Band7	10	21100	50	#0	QAM16	22.32	24.88	PASS
LTE Band7	10	21100	1	#0	QAM64	21.23	23.79	PASS
LTE Band7	10	21100	1	#Mid	QAM64	21.05	23.61	PASS
LTE Band7	10	21100	1	#Max	QAM64	21.09	23.65	PASS
LTE Band7	10	21100	25	#0	QAM64	19.94	22.50	PASS
LTE Band7	10	21100	25	#Mid	QAM64	19.88	22.44	PASS
LTE Band7	10	21100	25	#Max	QAM64	19.85	22.41	PASS
LTE Band7	10	21100	50	#0	QAM64	19.88	22.44	PASS
LTE Band7	10	21400	1	#0	QPSK	22.68	25.65	PASS
LTE Band7	10	21400	1	#Mid	QPSK	22.53	25.50	PASS



LTE Band7	10	21400	1	#Max	QPSK	22.70	25.67	PASS
LTE Band7	10	21400	25	#0	QPSK	21.70	24.67	PASS
LTE Band7	10	21400	25	#Mid	QPSK	21.70	24.67	PASS
LTE Band7	10	21400	25	#Max	QPSK	21.72	24.69	PASS
LTE Band7	10	21400	50	#0	QPSK	21.73	24.70	PASS
LTE Band7	10	21400	1	#0	QAM16	21.51	24.48	PASS
LTE Band7	10	21400	1	#Mid	QAM16	21.44	24.41	PASS
LTE Band7	10	21400	1	#Max	QAM16	21.59	24.56	PASS
LTE Band7	10	21400	25	#0	QAM16	20.74	23.71	PASS
LTE Band7	10	21400	25	#Mid	QAM16	20.72	23.69	PASS
LTE Band7	10	21400	25	#Max	QAM16	20.79	23.76	PASS
LTE Band7	10	21400	50	#0	QAM16	20.75	23.72	PASS
LTE Band7	10	21400	1	#0	QAM64	21.15	24.12	PASS
LTE Band7	10	21400	1	#Mid	QAM64	20.91	23.88	PASS
LTE Band7	10	21400	1	#Max	QAM64	20.88	23.85	PASS
LTE Band7	10	21400	25	#0	QAM64	19.93	22.90	PASS
LTE Band7	10	21400	25	#Mid	QAM64	19.82	22.79	PASS
LTE Band7	10	21400	25	#Max	QAM64	19.73	22.70	PASS
LTE Band7	10	21400	50	#0	QAM64	19.82	22.79	PASS
LTE Band7	15	20825	1	#0	QPSK	22.87	24.97	PASS
LTE Band7	15	20825	1	#Mid	QPSK	23.40	25.50	PASS
LTE Band7	15	20825	1	#Max	QPSK	23.97	26.07	PASS
LTE Band7	15	20825	36	#0	QPSK	22.23	24.33	PASS
LTE Band7	15	20825	36	#Mid	QPSK	22.23	24.33	PASS
LTE Band7	15	20825	36	#Max	QPSK	22.88	24.98	PASS
LTE Band7	15	20825	75	#0	QPSK	22.50	24.60	PASS
LTE Band7	15	20825	1	#0	QAM16	22.00	24.10	PASS
LTE Band7	15	20825	1	#Mid	QAM16	22.54	24.64	PASS
LTE Band7	15	20825	1	#Max	QAM16	23.32	25.42	PASS
LTE Band7	15	20825	36	#0	QAM16	21.14	23.24	PASS
LTE Band7	15	20825	36	#Mid	QAM16	21.10	23.20	PASS
LTE Band7	15	20825	36	#Max	QAM16	21.83	23.93	PASS
LTE Band7	15	20825	75	#0	QAM16	21.46	23.56	PASS
LTE Band7	15	20825	1	#0	QAM64	21.19	23.29	PASS
LTE Band7	15	20825	1	#Mid	QAM64	21.10	23.20	PASS
LTE Band7	15	20825	1	#Max	QAM64	21.28	23.38	PASS
LTE Band7	15	20825	36	#0	QAM64	19.99	22.09	PASS
LTE Band7	15	20825	36	#Mid	QAM64	19.89	21.99	PASS
LTE Band7	15	20825	36	#Max	QAM64	19.90	22.00	PASS
LTE Band7	15	20825	75	#0	QAM64	19.95	22.05	PASS
LTE Band7	15	21100	1	#0	QPSK	24.76	27.32	PASS
LTE Band7	15	21100	1	#Mid	QPSK	24.44	27.00	PASS
LTE Band7	15	21100	1	#Max	QPSK	23.85	26.41	PASS



LTE Band7	15	21100	36	#0	QPSK	23.83	26.39	PASS
LTE Band7	15	21100	36	#Mid	QPSK	23.83	26.39	PASS
LTE Band7	15	21100	36	#Max	QPSK	23.29	25.85	PASS
LTE Band7	15	21100	75	#0	QPSK	23.53	26.09	PASS
LTE Band7	15	21100	1	#0	QAM16	23.90	26.46	PASS
LTE Band7	15	21100	1	#Mid	QAM16	23.56	26.12	PASS
LTE Band7	15	21100	1	#Max	QAM16	23.16	25.72	PASS
LTE Band7	15	21100	36	#0	QAM16	22.77	25.33	PASS
LTE Band7	15	21100	36	#Mid	QAM16	22.75	25.31	PASS
LTE Band7	15	21100	36	#Max	QAM16	22.25	24.81	PASS
LTE Band7	15	21100	75	#0	QAM16	22.51	25.07	PASS
LTE Band7	15	21100	1	#0	QAM64	21.35	23.91	PASS
LTE Band7	15	21100	1	#Mid	QAM64	21.10	23.66	PASS
LTE Band7	15	21100	1	#Max	QAM64	21.16	23.72	PASS
LTE Band7	15	21100	36	#0	QAM64	19.98	22.54	PASS
LTE Band7	15	21100	36	#Mid	QAM64	19.93	22.49	PASS
LTE Band7	15	21100	36	#Max	QAM64	19.95	22.51	PASS
LTE Band7	15	21100	75	#0	QAM64	19.97	22.53	PASS
LTE Band7	15	21375	1	#0	QPSK	23.10	26.07	PASS
LTE Band7	15	21375	1	#Mid	QPSK	22.88	25.85	PASS
LTE Band7	15	21375	1	#Max	QPSK	22.95	25.92	PASS
LTE Band7	15	21375	36	#0	QPSK	22.06	25.03	PASS
LTE Band7	15	21375	36	#Mid	QPSK	22.05	25.02	PASS
LTE Band7	15	21375	36	#Max	QPSK	21.92	24.89	PASS
LTE Band7	15	21375	75	#0	QPSK	21.98	24.95	PASS
LTE Band7	15	21375	1	#0	QAM16	22.06	25.03	PASS
LTE Band7	15	21375	1	#Mid	QAM16	21.84	24.81	PASS
LTE Band7	15	21375	1	#Max	QAM16	22.00	24.97	PASS
LTE Band7	15	21375	36	#0	QAM16	20.95	23.92	PASS
LTE Band7	15	21375	36	#Mid	QAM16	20.96	23.93	PASS
LTE Band7	15	21375	36	#Max	QAM16	20.90	23.87	PASS
LTE Band7	15	21375	75	#0	QAM16	20.96	23.93	PASS
LTE Band7	15	21375	1	#0	QAM64	21.20	24.17	PASS
LTE Band7	15	21375	1	#Mid	QAM64	20.98	23.95	PASS
LTE Band7	15	21375	1	#Max	QAM64	20.97	23.94	PASS
LTE Band7	15	21375	36	#0	QAM64	19.99	22.96	PASS
LTE Band7	15	21375	36	#Mid	QAM64	19.86	22.83	PASS
LTE Band7	15	21375	36	#Max	QAM64	19.73	22.70	PASS
LTE Band7	15	21375	75	#0	QAM64	19.83	22.80	PASS
LTE Band7	20	20850	1	#0	QPSK	22.98	25.08	PASS
LTE Band7	20	20850	1	#Mid	QPSK	23.69	25.79	PASS
LTE Band7	20	20850	1	#Max	QPSK	24.47	26.57	PASS
LTE Band7	20	20850	50	#0	QPSK	22.20	24.30	PASS



LTE Band7	20	20850	50	#Mid	QPSK	22.22	24.32	PASS
LTE Band7	20	20850	50	#Max	QPSK	23.18	25.28	PASS
LTE Band7	20	20850	100	#0	QPSK	22.66	24.76	PASS
LTE Band7	20	20850	1	#0	QAM16	22.01	24.11	PASS
LTE Band7	20	20850	1	#Mid	QAM16	22.78	24.88	PASS
LTE Band7	20	20850	1	#Max	QAM16	23.74	25.84	PASS
LTE Band7	20	20850	50	#0	QAM16	21.19	23.29	PASS
LTE Band7	20	20850	50	#Mid	QAM16	21.19	23.29	PASS
LTE Band7	20	20850	50	#Max	QAM16	22.20	24.30	PASS
LTE Band7	20	20850	100	#0	QAM16	21.64	23.74	PASS
LTE Band7	20	20850	1	#0	QAM64	21.10	23.20	PASS
LTE Band7	20	20850	1	#Mid	QAM64	21.01	23.11	PASS
LTE Band7	20	20850	1	#Max	QAM64	21.16	23.26	PASS
LTE Band7	20	20850	50	#0	QAM64	19.87	21.97	PASS
LTE Band7	20	20850	50	#Mid	QAM64	19.80	21.90	PASS
LTE Band7	20	20850	50	#Max	QAM64	19.77	21.87	PASS
LTE Band7	20	20850	100	#0	QAM64	19.88	21.98	PASS
LTE Band7	20	21100	1	#0	QPSK	24.89	27.45	PASS
LTE Band7	20	21100	1	#Mid	QPSK	24.55	27.11	PASS
LTE Band7	20	21100	1	#Max	QPSK	23.80	26.36	PASS
LTE Band7	20	21100	50	#0	QPSK	23.72	26.28	PASS
LTE Band7	20	21100	50	#Mid	QPSK	23.73	26.29	PASS
LTE Band7	20	21100	50	#Max	QPSK	23.20	25.76	PASS
LTE Band7	20	21100	100	#0	QPSK	23.46	26.02	PASS
LTE Band7	20	21100	1	#0	QAM16	23.68	26.24	PASS
LTE Band7	20	21100	1	#Mid	QAM16	23.34	25.90	PASS
LTE Band7	20	21100	1	#Max	QAM16	22.69	25.25	PASS
LTE Band7	20	21100	50	#0	QAM16	22.76	25.32	PASS
LTE Band7	20	21100	50	#Mid	QAM16	22.75	25.31	PASS
LTE Band7	20	21100	50	#Max	QAM16	22.16	24.72	PASS
LTE Band7	20	21100	100	#0	QAM16	22.47	25.03	PASS
LTE Band7	20	21100	1	#0	QAM64	21.14	23.70	PASS
LTE Band7	20	21100	1	#Mid	QAM64	21.01	23.57	PASS
LTE Band7	20	21100	1	#Max	QAM64	21.02	23.58	PASS
LTE Band7	20	21100	50	#0	QAM64	19.85	22.41	PASS
LTE Band7	20	21100	50	#Mid	QAM64	19.80	22.36	PASS
LTE Band7	20	21100	50	#Max	QAM64	19.79	22.35	PASS
LTE Band7	20	21100	100	#0	QAM64	19.80	22.36	PASS
LTE Band7	20	21350	1	#0	QPSK	23.28	26.25	PASS
LTE Band7	20	21350	1	#Mid	QPSK	22.85	25.82	PASS
LTE Band7	20	21350	1	#Max	QPSK	22.84	25.81	PASS
LTE Band7	20	21350	50	#0	QPSK	22.13	25.10	PASS
LTE Band7	20	21350	50	#Mid	QPSK	22.10	25.07	PASS



LTE Band7	20	21350	50	#Max	QPSK	21.84	24.81	PASS
LTE Band7	20	21350	100	#0	QPSK	22.00	24.97	PASS
LTE Band7	20	21350	1	#0	QAM16	22.11	25.08	PASS
LTE Band7	20	21350	1	#Mid	QAM16	21.57	24.54	PASS
LTE Band7	20	21350	1	#Max	QAM16	21.69	24.66	PASS
LTE Band7	20	21350	50	#0	QAM16	21.18	24.15	PASS
LTE Band7	20	21350	50	#Mid	QAM16	21.15	24.12	PASS
LTE Band7	20	21350	50	#Max	QAM16	20.90	23.87	PASS
LTE Band7	20	21350	100	#0	QAM16	21.03	24.00	PASS
LTE Band7	20	21350	1	#0	QAM64	21.09	24.06	PASS
LTE Band7	20	21350	1	#Mid	QAM64	20.87	23.84	PASS
LTE Band7	20	21350	1	#Max	QAM64	20.80	23.77	PASS
LTE Band7	20	21350	50	#0	QAM64	19.86	22.83	PASS
LTE Band7	20	21350	50	#Mid	QAM64	19.74	22.71	PASS
LTE Band7	20	21350	50	#Max	QAM64	19.66	22.63	PASS
LTE Band7	20	21350	100	#0	QAM64	19.75	22.72	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	ERP (dBm)	Verdict
LTE Band12	1.4	23017	1	#0	QPSK	23.08	22.18	PASS
LTE Band12	1.4	23017	1	#Mid	QPSK	23.17	22.27	PASS
LTE Band12	1.4	23017	1	#Max	QPSK	23.12	22.22	PASS
LTE Band12	1.4	23017	3	#0	QPSK	23.01	22.11	PASS
LTE Band12	1.4	23017	3	#Mid	QPSK	23.01	22.11	PASS
LTE Band12	1.4	23017	3	#Max	QPSK	23.02	22.12	PASS
LTE Band12	1.4	23017	6	#0	QPSK	22.15	21.25	PASS
LTE Band12	1.4	23017	1	#0	QAM16	22.00	21.10	PASS
LTE Band12	1.4	23017	1	#Mid	QAM16	22.06	21.16	PASS
LTE Band12	1.4	23017	1	#Max	QAM16	22.04	21.14	PASS
LTE Band12	1.4	23017	3	#0	QAM16	22.13	21.23	PASS
LTE Band12	1.4	23017	3	#Mid	QAM16	22.13	21.23	PASS
LTE Band12	1.4	23017	3	#Max	QAM16	22.13	21.23	PASS
LTE Band12	1.4	23017	6	#0	QAM16	21.13	20.23	PASS
LTE Band12	1.4	23017	1	#0	QAM64	21.20	20.30	PASS
LTE Band12	1.4	23017	1	#Mid	QAM64	21.10	20.20	PASS
LTE Band12	1.4	23017	1	#Max	QAM64	21.13	20.23	PASS
LTE Band12	1.4	23017	3	#0	QAM64	20.01	19.11	PASS
LTE Band12	1.4	23017	3	#Mid	QAM64	20.04	19.14	PASS
LTE Band12	1.4	23017	3	#Max	QAM64	19.91	19.01	PASS
LTE Band12	1.4	23017	6	#0	QAM64	19.93	19.03	PASS
LTE Band12	1.4	23095	1	#0	QPSK	23.14	22.70	PASS
LTE Band12	1.4	23095	1	#Mid	QPSK	23.29	22.85	PASS
LTE Band12	1.4	23095	1	#Max	QPSK	23.17	22.73	PASS



LTE Band12	1.4	23095	3	#0	QPSK	23.14	22.70	PASS
LTE Band12	1.4	23095	3	#Mid	QPSK	23.14	22.70	PASS
LTE Band12	1.4	23095	3	#Max	QPSK	23.12	22.68	PASS
LTE Band12	1.4	23095	6	#0	QPSK	22.19	21.75	PASS
LTE Band12	1.4	23095	1	#0	QAM16	22.19	21.75	PASS
LTE Band12	1.4	23095	1	#Mid	QAM16	22.35	21.91	PASS
LTE Band12	1.4	23095	1	#Max	QAM16	22.23	21.79	PASS
LTE Band12	1.4	23095	3	#0	QAM16	22.40	21.96	PASS
LTE Band12	1.4	23095	3	#Mid	QAM16	22.41	21.97	PASS
LTE Band12	1.4	23095	3	#Max	QAM16	22.42	21.98	PASS
LTE Band12	1.4	23095	6	#0	QAM16	21.24	20.80	PASS
LTE Band12	1.4	23095	1	#0	QAM64	21.19	20.75	PASS
LTE Band12	1.4	23095	1	#Mid	QAM64	21.17	20.73	PASS
LTE Band12	1.4	23095	1	#Max	QAM64	21.12	20.68	PASS
LTE Band12	1.4	23095	3	#0	QAM64	20.00	19.56	PASS
LTE Band12	1.4	23095	3	#Mid	QAM64	20.07	19.63	PASS
LTE Band12	1.4	23095	3	#Max	QAM64	19.98	19.54	PASS
LTE Band12	1.4	23095	6	#0	QAM64	20.08	19.64	PASS
LTE Band12	1.4	23173	1	#0	QPSK	23.02	23.22	PASS
LTE Band12	1.4	23173	1	#Mid	QPSK	23.16	23.36	PASS
LTE Band12	1.4	23173	1	#Max	QPSK	23.09	23.29	PASS
LTE Band12	1.4	23173	3	#0	QPSK	22.97	23.17	PASS
LTE Band12	1.4	23173	3	#Mid	QPSK	23.00	23.20	PASS
LTE Band12	1.4	23173	3	#Max	QPSK	23.02	23.22	PASS
LTE Band12	1.4	23173	6	#0	QPSK	22.26	22.46	PASS
LTE Band12	1.4	23173	1	#0	QAM16	22.22	22.42	PASS
LTE Band12	1.4	23173	1	#Mid	QAM16	22.37	22.57	PASS
LTE Band12	1.4	23173	1	#Max	QAM16	22.28	22.48	PASS
LTE Band12	1.4	23173	3	#0	QAM16	22.10	22.30	PASS
LTE Band12	1.4	23173	3	#Mid	QAM16	22.12	22.32	PASS
LTE Band12	1.4	23173	3	#Max	QAM16	22.15	22.35	PASS
LTE Band12	1.4	23173	6	#0	QAM16	21.15	21.35	PASS
LTE Band12	1.4	23173	1	#0	QAM64	21.19	21.39	PASS
LTE Band12	1.4	23173	1	#Mid	QAM64	21.07	21.27	PASS
LTE Band12	1.4	23173	1	#Max	QAM64	21.07	21.27	PASS
LTE Band12	1.4	23173	3	#0	QAM64	20.01	20.21	PASS
LTE Band12	1.4	23173	3	#Mid	QAM64	19.96	20.16	PASS
LTE Band12	1.4	23173	3	#Max	QAM64	19.96	20.16	PASS
LTE Band12	1.4	23173	6	#0	QAM64	20.06	20.26	PASS
LTE Band12	3	23025	1	#0	QPSK	23.02	22.12	PASS
LTE Band12	3	23025	1	#Mid	QPSK	23.22	22.32	PASS
LTE Band12	3	23025	1	#Max	QPSK	23.07	22.17	PASS
LTE Band12	3	23025	8	#0	QPSK	22.21	21.31	PASS



LTE Band12	3	23025	8	#Mid	QPSK	22.21	21.31	PASS
LTE Band12	3	23025	8	#Max	QPSK	22.23	21.33	PASS
LTE Band12	3	23025	15	#0	QPSK	22.22	21.32	PASS
LTE Band12	3	23025	1	#0	QAM16	22.31	21.41	PASS
LTE Band12	3	23025	1	#Mid	QAM16	22.53	21.63	PASS
LTE Band12	3	23025	1	#Max	QAM16	22.46	21.56	PASS
LTE Band12	3	23025	8	#0	QAM16	21.21	20.31	PASS
LTE Band12	3	23025	8	#Mid	QAM16	21.19	20.29	PASS
LTE Band12	3	23025	8	#Max	QAM16	21.29	20.39	PASS
LTE Band12	3	23025	15	#0	QAM16	21.24	20.34	PASS
LTE Band12	3	23025	1	#0	QAM64	21.22	20.32	PASS
LTE Band12	3	23025	1	#Mid	QAM64	21.13	20.23	PASS
LTE Band12	3	23025	1	#Max	QAM64	21.16	20.26	PASS
LTE Band12	3	23025	8	#0	QAM64	20.09	19.19	PASS
LTE Band12	3	23025	8	#Mid	QAM64	20.14	19.24	PASS
LTE Band12	3	23025	8	#Max	QAM64	19.99	19.09	PASS
LTE Band12	3	23025	15	#0	QAM64	19.96	19.06	PASS
LTE Band12	3	23095	1	#0	QPSK	23.08	22.52	PASS
LTE Band12	3	23095	1	#Mid	QPSK	23.27	22.71	PASS
LTE Band12	3	23095	1	#Max	QPSK	23.16	22.60	PASS
LTE Band12	3	23095	8	#0	QPSK	22.22	21.66	PASS
LTE Band12	3	23095	8	#Mid	QPSK	22.28	21.72	PASS
LTE Band12	3	23095	8	#Max	QPSK	22.30	21.74	PASS
LTE Band12	3	23095	15	#0	QPSK	22.34	21.78	PASS
LTE Band12	3	23095	1	#0	QAM16	22.37	21.81	PASS
LTE Band12	3	23095	1	#Mid	QAM16	22.52	21.96	PASS
LTE Band12	3	23095	1	#Max	QAM16	22.39	21.83	PASS
LTE Band12	3	23095	8	#0	QAM16	21.27	20.71	PASS
LTE Band12	3	23095	8	#Mid	QAM16	21.25	20.69	PASS
LTE Band12	3	23095	8	#Max	QAM16	21.34	20.78	PASS
LTE Band12	3	23095	15	#0	QAM16	21.21	20.65	PASS
LTE Band12	3	23095	1	#0	QAM64	21.23	20.67	PASS
LTE Band12	3	23095	1	#Mid	QAM64	21.22	20.66	PASS
LTE Band12	3	23095	1	#Max	QAM64	21.17	20.61	PASS
LTE Band12	3	23095	8	#0	QAM64	20.10	19.54	PASS
LTE Band12	3	23095	8	#Mid	QAM64	20.15	19.59	PASS
LTE Band12	3	23095	8	#Max	QAM64	20.07	19.51	PASS
LTE Band12	3	23095	15	#0	QAM64	20.12	19.56	PASS
LTE Band12	3	23165	1	#0	QPSK	23.18	22.62	PASS
LTE Band12	3	23165	1	#Mid	QPSK	23.35	22.79	PASS
LTE Band12	3	23165	1	#Max	QPSK	23.29	22.73	PASS
LTE Band12	3	23165	8	#0	QPSK	22.31	21.75	PASS
LTE Band12	3	23165	8	#Mid	QPSK	22.31	21.75	PASS



LTE Band12	3	23165	8	#Max	QPSK	22.30	21.74	PASS
LTE Band12	3	23165	15	#0	QPSK	22.25	21.69	PASS
LTE Band12	3	23165	1	#0	QAM16	22.12	21.56	PASS
LTE Band12	3	23165	1	#Mid	QAM16	22.22	21.66	PASS
LTE Band12	3	23165	1	#Max	QAM16	22.13	21.57	PASS
LTE Band12	3	23165	8	#0	QAM16	21.27	20.71	PASS
LTE Band12	3	23165	8	#Mid	QAM16	21.30	20.74	PASS
LTE Band12	3	23165	8	#Max	QAM16	21.36	20.80	PASS
LTE Band12	3	23165	15	#0	QAM16	21.28	20.72	PASS
LTE Band12	3	23165	1	#0	QAM64	21.22	20.66	PASS
LTE Band12	3	23165	1	#Mid	QAM64	21.11	20.55	PASS
LTE Band12	3	23165	1	#Max	QAM64	21.11	20.55	PASS
LTE Band12	3	23165	8	#0	QAM64	20.12	19.56	PASS
LTE Band12	3	23165	8	#Mid	QAM64	20.06	19.50	PASS
LTE Band12	3	23165	8	#Max	QAM64	20.04	19.48	PASS
LTE Band12	3	23165	15	#0	QAM64	20.09	19.53	PASS
LTE Band12	5	23035	1	#0	QPSK	23.05	22.15	PASS
LTE Band12	5	23035	1	#Mid	QPSK	23.26	22.36	PASS
LTE Band12	5	23035	1	#Max	QPSK	23.17	22.27	PASS
LTE Band12	5	23035	12	#0	QPSK	22.17	21.27	PASS
LTE Band12	5	23035	12	#Mid	QPSK	22.17	21.27	PASS
LTE Band12	5	23035	12	#Max	QPSK	22.30	21.40	PASS
LTE Band12	5	23035	25	#0	QPSK	22.28	21.38	PASS
LTE Band12	5	23035	1	#0	QAM16	22.39	21.49	PASS
LTE Band12	5	23035	1	#Mid	QAM16	22.60	21.70	PASS
LTE Band12	5	23035	1	#Max	QAM16	22.53	21.63	PASS
LTE Band12	5	23035	12	#0	QAM16	21.18	20.28	PASS
LTE Band12	5	23035	12	#Mid	QAM16	21.18	20.28	PASS
LTE Band12	5	23035	12	#Max	QAM16	21.28	20.38	PASS
LTE Band12	5	23035	25	#0	QAM16	21.32	20.42	PASS
LTE Band12	5	23035	1	#0	QAM64	21.26	20.36	PASS
LTE Band12	5	23035	1	#Mid	QAM64	21.20	20.30	PASS
LTE Band12	5	23035	1	#Max	QAM64	21.22	20.32	PASS
LTE Band12	5	23035	12	#0	QAM64	20.16	19.26	PASS
LTE Band12	5	23035	12	#Mid	QAM64	20.19	19.29	PASS
LTE Band12	5	23035	12	#Max	QAM64	20.06	19.16	PASS
LTE Band12	5	23035	25	#0	QAM64	20.04	19.14	PASS
LTE Band12	5	23095	1	#0	QPSK	23.10	22.54	PASS
LTE Band12	5	23095	1	#Mid	QPSK	23.32	22.76	PASS
LTE Band12	5	23095	1	#Max	QPSK	23.21	22.65	PASS
LTE Band12	5	23095	12	#0	QPSK	22.25	21.69	PASS
LTE Band12	5	23095	12	#Mid	QPSK	22.25	21.69	PASS
LTE Band12	5	23095	12	#Max	QPSK	22.31	21.75	PASS



LTE Band12	5	23095	25	#0	QPSK	22.32	21.76	PASS
LTE Band12	5	23095	1	#0	QAM16	22.40	21.84	PASS
LTE Band12	5	23095	1	#Mid	QAM16	22.57	22.01	PASS
LTE Band12	5	23095	1	#Max	QAM16	22.47	21.91	PASS
LTE Band12	5	23095	12	#0	QAM16	21.25	20.69	PASS
LTE Band12	5	23095	12	#Mid	QAM16	21.24	20.68	PASS
LTE Band12	5	23095	12	#Max	QAM16	21.31	20.75	PASS
LTE Band12	5	23095	25	#0	QAM16	21.33	20.77	PASS
LTE Band12	5	23095	1	#0	QAM64	21.35	20.79	PASS
LTE Band12	5	23095	1	#Mid	QAM64	21.27	20.71	PASS
LTE Band12	5	23095	1	#Max	QAM64	21.24	20.68	PASS
LTE Band12	5	23095	12	#0	QAM64	20.14	19.58	PASS
LTE Band12	5	23095	12	#Mid	QAM64	20.20	19.64	PASS
LTE Band12	5	23095	12	#Max	QAM64	20.17	19.61	PASS
LTE Band12	5	23095	25	#0	QAM64	20.21	19.65	PASS
LTE Band12	5	23155	1	#0	QPSK	23.13	22.57	PASS
LTE Band12	5	23155	1	#Mid	QPSK	23.20	22.64	PASS
LTE Band12	5	23155	1	#Max	QPSK	23.13	22.57	PASS
LTE Band12	5	23155	12	#0	QPSK	22.29	21.73	PASS
LTE Band12	5	23155	12	#Mid	QPSK	22.28	21.72	PASS
LTE Band12	5	23155	12	#Max	QPSK	22.28	21.72	PASS
LTE Band12	5	23155	25	#0	QPSK	22.30	21.74	PASS
LTE Band12	5	23155	1	#0	QAM16	22.47	21.91	PASS
LTE Band12	5	23155	1	#Mid	QAM16	22.54	21.98	PASS
LTE Band12	5	23155	1	#Max	QAM16	22.43	21.87	PASS
LTE Band12	5	23155	12	#0	QAM16	21.29	20.73	PASS
LTE Band12	5	23155	12	#Mid	QAM16	21.31	20.75	PASS
LTE Band12	5	23155	12	#Max	QAM16	21.34	20.78	PASS
LTE Band12	5	23155	25	#0	QAM16	21.35	20.79	PASS
LTE Band12	5	23155	1	#0	QAM64	21.27	20.71	PASS
LTE Band12	5	23155	1	#Mid	QAM64	21.18	20.62	PASS
LTE Band12	5	23155	1	#Max	QAM64	21.20	20.64	PASS
LTE Band12	5	23155	12	#0	QAM64	20.18	19.62	PASS
LTE Band12	5	23155	12	#Mid	QAM64	20.10	19.54	PASS
LTE Band12	5	23155	12	#Max	QAM64	20.04	19.48	PASS
LTE Band12	5	23155	25	#0	QAM64	20.10	19.54	PASS
LTE Band12	10	23060	1	#0	QPSK	23.04	22.14	PASS
LTE Band12	10	23060	1	#Mid	QPSK	22.87	21.97	PASS
LTE Band12	10	23060	1	#Max	QPSK	23.03	22.13	PASS
LTE Band12	10	23060	25	#0	QPSK	22.25	21.35	PASS
LTE Band12	10	23060	25	#Mid	QPSK	22.27	21.37	PASS
LTE Band12	10	23060	25	#Max	QPSK	22.23	21.33	PASS
LTE Band12	10	23060	50	#0	QPSK	22.25	21.35	PASS



LTE Band12	10	23060	1	#0	QAM16	22.34	21.44	PASS
LTE Band12	10	23060	1	#Mid	QAM16	22.28	21.38	PASS
LTE Band12	10	23060	1	#Max	QAM16	22.37	21.47	PASS
LTE Band12	10	23060	25	#0	QAM16	21.35	20.45	PASS
LTE Band12	10	23060	25	#Mid	QAM16	21.36	20.46	PASS
LTE Band12	10	23060	25	#Max	QAM16	21.29	20.39	PASS
LTE Band12	10	23060	50	#0	QAM16	21.25	20.35	PASS
LTE Band12	10	23060	1	#0	QAM64	21.17	20.27	PASS
LTE Band12	10	23060	1	#Mid	QAM64	21.11	20.21	PASS
LTE Band12	10	23060	1	#Max	QAM64	21.10	20.20	PASS
LTE Band12	10	23060	25	#0	QAM64	20.04	19.14	PASS
LTE Band12	10	23060	25	#Mid	QAM64	20.10	19.20	PASS
LTE Band12	10	23060	25	#Max	QAM64	19.93	19.03	PASS
LTE Band12	10	23060	50	#0	QAM64	19.97	19.07	PASS
LTE Band12	10	23095	1	#0	QPSK	23.10	22.54	PASS
LTE Band12	10	23095	1	#Mid	QPSK	22.94	22.38	PASS
LTE Band12	10	23095	1	#Max	QPSK	22.99	22.43	PASS
LTE Band12	10	23095	25	#0	QPSK	22.27	21.71	PASS
LTE Band12	10	23095	25	#Mid	QPSK	22.30	21.74	PASS
LTE Band12	10	23095	25	#Max	QPSK	22.28	21.72	PASS
LTE Band12	10	23095	50	#0	QPSK	22.29	21.73	PASS
LTE Band12	10	23095	1	#0	QAM16	22.36	21.80	PASS
LTE Band12	10	23095	1	#Mid	QAM16	22.20	21.64	PASS
LTE Band12	10	23095	1	#Max	QAM16	22.20	21.64	PASS
LTE Band12	10	23095	25	#0	QAM16	21.34	20.78	PASS
LTE Band12	10	23095	25	#Mid	QAM16	21.35	20.79	PASS
LTE Band12	10	23095	25	#Max	QAM16	21.29	20.73	PASS
LTE Band12	10	23095	50	#0	QAM16	21.23	20.67	PASS
LTE Band12	10	23095	1	#0	QAM64	21.14	20.58	PASS
LTE Band12	10	23095	1	#Mid	QAM64	21.18	20.62	PASS
LTE Band12	10	23095	1	#Max	QAM64	21.10	20.54	PASS
LTE Band12	10	23095	25	#0	QAM64	20.01	19.45	PASS
LTE Band12	10	23095	25	#Mid	QAM64	20.07	19.51	PASS
LTE Band12	10	23095	25	#Max	QAM64	20.01	19.45	PASS
LTE Band12	10	23095	50	#0	QAM64	20.04	19.48	PASS
LTE Band12	10	23130	1	#0	QPSK	23.15	22.59	PASS
LTE Band12	10	23130	1	#Mid	QPSK	23.11	22.55	PASS
LTE Band12	10	23130	1	#Max	QPSK	23.12	22.56	PASS
LTE Band12	10	23130	25	#0	QPSK	22.35	21.79	PASS
LTE Band12	10	23130	25	#Mid	QPSK	22.32	21.76	PASS
LTE Band12	10	23130	25	#Max	QPSK	22.28	21.72	PASS
LTE Band12	10	23130	50	#0	QPSK	22.33	21.77	PASS
LTE Band12	10	23130	1	#0	QAM16	22.09	21.53	PASS



LTE Band12	10	23130	1	#Mid	QAM16	21.99	21.43	PASS
LTE Band12	10	23130	1	#Max	QAM16	21.94	21.38	PASS
LTE Band12	10	23130	25	#0	QAM16	21.35	20.79	PASS
LTE Band12	10	23130	25	#Mid	QAM16	21.36	20.80	PASS
LTE Band12	10	23130	25	#Max	QAM16	21.31	20.75	PASS
LTE Band12	10	23130	50	#0	QAM16	21.33	20.77	PASS
LTE Band12	10	23130	1	#0	QAM64	21.16	20.60	PASS
LTE Band12	10	23130	1	#Mid	QAM64	21.07	20.51	PASS
LTE Band12	10	23130	1	#Max	QAM64	21.03	20.47	PASS
LTE Band12	10	23130	25	#0	QAM64	20.05	19.49	PASS
LTE Band12	10	23130	25	#Mid	QAM64	19.98	19.42	PASS
LTE Band12	10	23130	25	#Max	QAM64	19.97	19.41	PASS
LTE Band12	10	23130	50	#0	QAM64	20.02	19.46	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	ERP (dBm)	Verdict
LTE Band13	5	23205	1	#0	QPSK	23.14	24.17	PASS
LTE Band13	5	23205	1	#Mid	QPSK	23.28	24.31	PASS
LTE Band13	5	23205	1	#Max	QPSK	23.20	24.23	PASS
LTE Band13	5	23205	12	#0	QPSK	22.32	23.35	PASS
LTE Band13	5	23205	12	#Mid	QPSK	22.31	23.34	PASS
LTE Band13	5	23205	12	#Max	QPSK	22.33	23.36	PASS
LTE Band13	5	23205	25	#0	QPSK	22.38	23.41	PASS
LTE Band13	5	23205	1	#0	QAM16	22.38	23.41	PASS
LTE Band13	5	23205	1	#Mid	QAM16	22.56	23.59	PASS
LTE Band13	5	23205	1	#Max	QAM16	22.51	23.54	PASS
LTE Band13	5	23205	12	#0	QAM16	21.24	22.27	PASS
LTE Band13	5	23205	12	#Mid	QAM16	21.29	22.32	PASS
LTE Band13	5	23205	12	#Max	QAM16	21.32	22.35	PASS
LTE Band13	5	23205	25	#0	QAM16	21.37	22.40	PASS
LTE Band13	5	23205	1	#0	QAM64	21.02	22.05	PASS
LTE Band13	5	23205	1	#Mid	QAM64	21.10	22.13	PASS
LTE Band13	5	23205	1	#Max	QAM64	20.99	22.02	PASS
LTE Band13	5	23205	12	#0	QAM64	19.88	20.91	PASS
LTE Band13	5	23205	12	#Mid	QAM64	19.97	21.00	PASS
LTE Band13	5	23205	12	#Max	QAM64	19.95	20.98	PASS
LTE Band13	5	23205	25	#0	QAM64	19.93	20.96	PASS
LTE Band13	5	23230	1	#0	QPSK	23.08	24.11	PASS
LTE Band13	5	23230	1	#Mid	QPSK	23.19	24.22	PASS
LTE Band13	5	23230	1	#Max	QPSK	23.09	24.12	PASS
LTE Band13	5	23230	12	#0	QPSK	22.31	23.34	PASS
LTE Band13	5	23230	12	#Mid	QPSK	22.30	23.33	PASS
LTE Band13	5	23230	12	#Max	QPSK	22.30	23.33	PASS



LTE Band13	5	23230	25	#0	QPSK	22.30	23.33	PASS
LTE Band13	5	23230	1	#0	QAM16	22.50	23.53	PASS
LTE Band13	5	23230	1	#Mid	QAM16	22.60	23.63	PASS
LTE Band13	5	23230	1	#Max	QAM16	22.55	23.58	PASS
LTE Band13	5	23230	12	#0	QAM16	21.39	22.42	PASS
LTE Band13	5	23230	12	#Mid	QAM16	21.41	22.44	PASS
LTE Band13	5	23230	12	#Max	QAM16	21.37	22.40	PASS
LTE Band13	5	23230	25	#0	QAM16	21.34	22.37	PASS
LTE Band13	5	23230	1	#0	QAM64	21.22	22.25	PASS
LTE Band13	5	23230	1	#Mid	QAM64	21.10	22.13	PASS
LTE Band13	5	23230	1	#Max	QAM64	21.07	22.10	PASS
LTE Band13	5	23230	12	#0	QAM64	19.94	20.97	PASS
LTE Band13	5	23230	12	#Mid	QAM64	19.93	20.96	PASS
LTE Band13	5	23230	12	#Max	QAM64	19.97	21.00	PASS
LTE Band13	5	23230	25	#0	QAM64	19.89	20.92	PASS
LTE Band13	5	23255	1	#0	QPSK	23.13	24.16	PASS
LTE Band13	5	23255	1	#Mid	QPSK	23.23	24.26	PASS
LTE Band13	5	23255	1	#Max	QPSK	23.15	24.18	PASS
LTE Band13	5	23255	12	#0	QPSK	22.29	23.32	PASS
LTE Band13	5	23255	12	#Mid	QPSK	22.33	23.36	PASS
LTE Band13	5	23255	12	#Max	QPSK	22.37	23.40	PASS
LTE Band13	5	23255	25	#0	QPSK	22.29	23.32	PASS
LTE Band13	5	23255	1	#0	QAM16	22.60	23.63	PASS
LTE Band13	5	23255	1	#Mid	QAM16	22.65	23.68	PASS
LTE Band13	5	23255	1	#Max	QAM16	22.55	23.58	PASS
LTE Band13	5	23255	12	#0	QAM16	21.32	22.35	PASS
LTE Band13	5	23255	12	#Mid	QAM16	21.31	22.34	PASS
LTE Band13	5	23255	12	#Max	QAM16	21.35	22.38	PASS
LTE Band13	5	23255	25	#0	QAM16	21.35	22.38	PASS
LTE Band13	5	23255	1	#0	QAM64	21.01	22.04	PASS
LTE Band13	5	23255	1	#Mid	QAM64	21.17	22.20	PASS
LTE Band13	5	23255	1	#Max	QAM64	20.98	22.01	PASS
LTE Band13	5	23255	12	#0	QAM64	19.93	20.96	PASS
LTE Band13	5	23255	12	#Mid	QAM64	19.90	20.93	PASS
LTE Band13	5	23255	12	#Max	QAM64	19.88	20.91	PASS
LTE Band13	5	23255	25	#0	QAM64	19.89	20.92	PASS
LTE Band13	10	23230	1	#0	QPSK	23.12	24.15	PASS
LTE Band13	10	23230	1	#Mid	QPSK	23.01	24.04	PASS
LTE Band13	10	23230	1	#Max	QPSK	23.06	24.09	PASS
LTE Band13	10	23230	25	#0	QPSK	22.36	23.39	PASS
LTE Band13	10	23230	25	#Mid	QPSK	22.33	23.36	PASS
LTE Band13	10	23230	25	#Max	QPSK	22.32	23.35	PASS
LTE Band13	10	23230	50	#0	QPSK	22.35	23.38	PASS



LTE Band13	10	23230	1	#0	QAM16	22.49	23.52	PASS
LTE Band13	10	23230	1	#Mid	QAM16	22.37	23.40	PASS
LTE Band13	10	23230	1	#Max	QAM16	22.38	23.41	PASS
LTE Band13	10	23230	25	#0	QAM16	21.43	22.46	PASS
LTE Band13	10	23230	25	#Mid	QAM16	21.46	22.49	PASS
LTE Band13	10	23230	25	#Max	QAM16	21.41	22.44	PASS
LTE Band13	10	23230	50	#0	QAM16	21.37	22.40	PASS
LTE Band13	10	23230	1	#0	QAM64	21.09	22.12	PASS
LTE Band13	10	23230	1	#Mid	QAM64	21.06	22.09	PASS
LTE Band13	10	23230	1	#Max	QAM64	20.98	22.01	PASS
LTE Band13	10	23230	25	#0	QAM64	19.96	20.99	PASS
LTE Band13	10	23230	25	#Mid	QAM64	19.93	20.96	PASS
LTE Band13	10	23230	25	#Max	QAM64	19.88	20.91	PASS
LTE Band13	10	23230	50	#0	QAM64	19.89	20.92	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
LTE Band38	5	37775	1	#0	QPSK	22.91	25.74	PASS
LTE Band38	5	37775	1	#Mid	QPSK	23.07	25.90	PASS
LTE Band38	5	37775	1	#Max	QPSK	23.08	25.91	PASS
LTE Band38	5	37775	12	#0	QPSK	21.91	24.74	PASS
LTE Band38	5	37775	12	#Mid	QPSK	21.92	24.75	PASS
LTE Band38	5	37775	12	#Max	QPSK	22.08	24.91	PASS
LTE Band38	5	37775	25	#0	QPSK	21.99	24.82	PASS
LTE Band38	5	37775	1	#0	QAM16	22.09	24.92	PASS
LTE Band38	5	37775	1	#Mid	QAM16	22.27	25.10	PASS
LTE Band38	5	37775	1	#Max	QAM16	22.23	25.06	PASS
LTE Band38	5	37775	12	#0	QAM16	20.89	23.72	PASS
LTE Band38	5	37775	12	#Mid	QAM16	20.90	23.73	PASS
LTE Band38	5	37775	12	#Max	QAM16	21.07	23.90	PASS
LTE Band38	5	37775	25	#0	QAM16	21.01	23.84	PASS
LTE Band38	5	37775	1	#0	QAM64	21.01	23.84	PASS
LTE Band38	5	37775	1	#Mid	QAM64	20.99	23.82	PASS
LTE Band38	5	37775	1	#Max	QAM64	20.97	23.80	PASS
LTE Band38	5	37775	12	#0	QAM64	20.04	22.87	PASS
LTE Band38	5	37775	12	#Mid	QAM64	20.02	22.85	PASS
LTE Band38	5	37775	12	#Max	QAM64	20.08	22.91	PASS
LTE Band38	5	37775	25	#0	QAM64	20.03	22.86	PASS
LTE Band38	5	38000	1	#0	QPSK	22.80	25.96	PASS
LTE Band38	5	38000	1	#Mid	QPSK	22.99	26.15	PASS
LTE Band38	5	38000	1	#Max	QPSK	22.96	26.12	PASS
LTE Band38	5	38000	12	#0	QPSK	21.91	25.07	PASS
LTE Band38	5	38000	12	#Mid	QPSK	21.90	25.06	PASS



LTE Band38	5	38000	12	#Max	QPSK	22.02	25.18	PASS
LTE Band38	5	38000	25	#0	QPSK	21.95	25.11	PASS
LTE Band38	5	38000	1	#0	QAM16	22.19	25.35	PASS
LTE Band38	5	38000	1	#Mid	QAM16	22.37	25.53	PASS
LTE Band38	5	38000	1	#Max	QAM16	22.32	25.48	PASS
LTE Band38	5	38000	12	#0	QAM16	20.98	24.14	PASS
LTE Band38	5	38000	12	#Mid	QAM16	20.96	24.12	PASS
LTE Band38	5	38000	12	#Max	QAM16	21.10	24.26	PASS
LTE Band38	5	38000	25	#0	QAM16	21.02	24.18	PASS
LTE Band38	5	38000	1	#0	QAM64	21.26	24.42	PASS
LTE Band38	5	38000	1	#Mid	QAM64	21.00	24.16	PASS
LTE Band38	5	38000	1	#Max	QAM64	21.04	24.20	PASS
LTE Band38	5	38000	12	#0	QAM64	20.23	23.39	PASS
LTE Band38	5	38000	12	#Mid	QAM64	20.22	23.38	PASS
LTE Band38	5	38000	12	#Max	QAM64	20.17	23.33	PASS
LTE Band38	5	38000	25	#0	QAM64	20.17	23.33	PASS
LTE Band38	5	38225	1	#0	QPSK	22.75	26.01	PASS
LTE Band38	5	38225	1	#Mid	QPSK	22.93	26.19	PASS
LTE Band38	5	38225	1	#Max	QPSK	22.87	26.13	PASS
LTE Band38	5	38225	12	#0	QPSK	21.81	25.07	PASS
LTE Band38	5	38225	12	#Mid	QPSK	21.81	25.07	PASS
LTE Band38	5	38225	12	#Max	QPSK	21.92	25.18	PASS
LTE Band38	5	38225	25	#0	QPSK	21.86	25.12	PASS
LTE Band38	5	38225	1	#0	QAM16	22.12	25.38	PASS
LTE Band38	5	38225	1	#Mid	QAM16	22.27	25.53	PASS
LTE Band38	5	38225	1	#Max	QAM16	22.20	25.46	PASS
LTE Band38	5	38225	12	#0	QAM16	20.81	24.07	PASS
LTE Band38	5	38225	12	#Mid	QAM16	20.82	24.08	PASS
LTE Band38	5	38225	12	#Max	QAM16	20.91	24.17	PASS
LTE Band38	5	38225	25	#0	QAM16	20.90	24.16	PASS
LTE Band38	5	38225	1	#0	QAM64	21.14	24.40	PASS
LTE Band38	5	38225	1	#Mid	QAM64	21.10	24.36	PASS
LTE Band38	5	38225	1	#Max	QAM64	21.15	24.41	PASS
LTE Band38	5	38225	12	#0	QAM64	20.24	23.50	PASS
LTE Band38	5	38225	12	#Mid	QAM64	20.19	23.45	PASS
LTE Band38	5	38225	12	#Max	QAM64	19.99	23.25	PASS
LTE Band38	5	38225	25	#0	QAM64	20.09	23.35	PASS
LTE Band38	10	37800	1	#0	QPSK	22.82	25.39	PASS
LTE Band38	10	37800	1	#Mid	QPSK	22.86	25.43	PASS
LTE Band38	10	37800	1	#Max	QPSK	22.91	25.48	PASS
LTE Band38	10	37800	25	#0	QPSK	21.99	24.56	PASS
LTE Band38	10	37800	25	#Mid	QPSK	21.99	24.56	PASS
LTE Band38	10	37800	25	#Max	QPSK	22.04	24.61	PASS



LTE Band38	10	37800	50	#0	QPSK	22.02	24.59	PASS
LTE Band38	10	37800	1	#0	QAM16	22.23	24.80	PASS
LTE Band38	10	37800	1	#Mid	QAM16	22.30	24.87	PASS
LTE Band38	10	37800	1	#Max	QAM16	22.33	24.90	PASS
LTE Band38	10	37800	25	#0	QAM16	21.09	23.66	PASS
LTE Band38	10	37800	25	#Mid	QAM16	21.09	23.66	PASS
LTE Band38	10	37800	25	#Max	QAM16	21.14	23.71	PASS
LTE Band38	10	37800	50	#0	QAM16	21.05	23.62	PASS
LTE Band38	10	37800	1	#0	QAM64	20.96	23.53	PASS
LTE Band38	10	37800	1	#Mid	QAM64	20.93	23.50	PASS
LTE Band38	10	37800	1	#Max	QAM64	20.90	23.47	PASS
LTE Band38	10	37800	25	#0	QAM64	19.97	22.54	PASS
LTE Band38	10	37800	25	#Mid	QAM64	19.98	22.55	PASS
LTE Band38	10	37800	25	#Max	QAM64	20.01	22.58	PASS
LTE Band38	10	37800	50	#0	QAM64	20.01	22.58	PASS
LTE Band38	10	38000	1	#0	QPSK	22.93	26.09	PASS
LTE Band38	10	38000	1	#Mid	QPSK	22.90	26.06	PASS
LTE Band38	10	38000	1	#Max	QPSK	22.93	26.09	PASS
LTE Band38	10	38000	25	#0	QPSK	21.98	25.14	PASS
LTE Band38	10	38000	25	#Mid	QPSK	21.96	25.12	PASS
LTE Band38	10	38000	25	#Max	QPSK	21.98	25.14	PASS
LTE Band38	10	38000	50	#0	QPSK	21.98	25.14	PASS
LTE Band38	10	38000	1	#0	QAM16	22.03	25.19	PASS
LTE Band38	10	38000	1	#Mid	QAM16	21.93	25.09	PASS
LTE Band38	10	38000	1	#Max	QAM16	21.95	25.11	PASS
LTE Band38	10	38000	25	#0	QAM16	21.03	24.19	PASS
LTE Band38	10	38000	25	#Mid	QAM16	21.03	24.19	PASS
LTE Band38	10	38000	25	#Max	QAM16	21.05	24.21	PASS
LTE Band38	10	38000	50	#0	QAM16	20.99	24.15	PASS
LTE Band38	10	38000	1	#0	QAM64	21.13	24.29	PASS
LTE Band38	10	38000	1	#Mid	QAM64	20.96	24.12	PASS
LTE Band38	10	38000	1	#Max	QAM64	20.96	24.12	PASS
LTE Band38	10	38000	25	#0	QAM64	20.19	23.35	PASS
LTE Band38	10	38000	25	#Mid	QAM64	20.18	23.34	PASS
LTE Band38	10	38000	25	#Max	QAM64	20.09	23.25	PASS
LTE Band38	10	38000	50	#0	QAM64	20.09	23.25	PASS
LTE Band38	10	38200	1	#0	QPSK	22.78	26.04	PASS
LTE Band38	10	38200	1	#Mid	QPSK	22.70	25.96	PASS
LTE Band38	10	38200	1	#Max	QPSK	22.80	26.06	PASS
LTE Band38	10	38200	25	#0	QPSK	21.85	25.11	PASS
LTE Band38	10	38200	25	#Mid	QPSK	21.87	25.13	PASS
LTE Band38	10	38200	25	#Max	QPSK	21.84	25.10	PASS
LTE Band38	10	38200	50	#0	QPSK	21.87	25.13	PASS



LTE Band38	10	38200	1	#0	QAM16	21.76	25.02	PASS
LTE Band38	10	38200	1	#Mid	QAM16	21.70	24.96	PASS
LTE Band38	10	38200	1	#Max	QAM16	21.69	24.95	PASS
LTE Band38	10	38200	25	#0	QAM16	20.89	24.15	PASS
LTE Band38	10	38200	25	#Mid	QAM16	20.87	24.13	PASS
LTE Band38	10	38200	25	#Max	QAM16	20.89	24.15	PASS
LTE Band38	10	38200	50	#0	QAM16	20.88	24.14	PASS
LTE Band38	10	38200	1	#0	QAM64	21.08	24.34	PASS
LTE Band38	10	38200	1	#Mid	QAM64	21.04	24.30	PASS
LTE Band38	10	38200	1	#Max	QAM64	21.05	24.31	PASS
LTE Band38	10	38200	25	#0	QAM64	20.18	23.44	PASS
LTE Band38	10	38200	25	#Mid	QAM64	20.14	23.40	PASS
LTE Band38	10	38200	25	#Max	QAM64	20.00	23.26	PASS
LTE Band38	10	38200	50	#0	QAM64	20.10	23.36	PASS
LTE Band38	15	37825	1	#0	QPSK	23.13	25.70	PASS
LTE Band38	15	37825	1	#Mid	QPSK	23.12	25.69	PASS
LTE Band38	15	37825	1	#Max	QPSK	23.10	25.67	PASS
LTE Band38	15	37825	36	#0	QPSK	22.23	24.80	PASS
LTE Band38	15	37825	36	#Mid	QPSK	22.25	24.82	PASS
LTE Band38	15	37825	36	#Max	QPSK	22.26	24.83	PASS
LTE Band38	15	37825	75	#0	QPSK	22.22	24.79	PASS
LTE Band38	15	37825	1	#0	QAM16	22.53	25.10	PASS
LTE Band38	15	37825	1	#Mid	QAM16	22.47	25.04	PASS
LTE Band38	15	37825	1	#Max	QAM16	22.48	25.05	PASS
LTE Band38	15	37825	36	#0	QAM16	21.20	23.77	PASS
LTE Band38	15	37825	36	#Mid	QAM16	21.21	23.78	PASS
LTE Band38	15	37825	36	#Max	QAM16	21.23	23.80	PASS
LTE Band38	15	37825	75	#0	QAM16	21.27	23.84	PASS
LTE Band38	15	37825	1	#0	QAM64	20.95	23.52	PASS
LTE Band38	15	37825	1	#Mid	QAM64	20.91	23.48	PASS
LTE Band38	15	37825	1	#Max	QAM64	20.87	23.44	PASS
LTE Band38	15	37825	36	#0	QAM64	19.95	22.52	PASS
LTE Band38	15	37825	36	#Mid	QAM64	19.95	22.52	PASS
LTE Band38	15	37825	36	#Max	QAM64	19.98	22.55	PASS
LTE Band38	15	37825	75	#0	QAM64	19.99	22.56	PASS
LTE Band38	15	38000	1	#0	QPSK	23.21	26.37	PASS
LTE Band38	15	38000	1	#Mid	QPSK	23.09	26.25	PASS
LTE Band38	15	38000	1	#Max	QPSK	23.03	26.19	PASS
LTE Band38	15	38000	36	#0	QPSK	22.22	25.38	PASS
LTE Band38	15	38000	36	#Mid	QPSK	22.21	25.37	PASS
LTE Band38	15	38000	36	#Max	QPSK	22.19	25.35	PASS
LTE Band38	15	38000	75	#0	QPSK	22.20	25.36	PASS
LTE Band38	15	38000	1	#0	QAM16	22.20	25.36	PASS



LTE Band38	15	38000	1	#Mid	QAM16	22.16	25.32	PASS
LTE Band38	15	38000	1	#Max	QAM16	22.12	25.28	PASS
LTE Band38	15	38000	36	#0	QAM16	21.20	24.36	PASS
LTE Band38	15	38000	36	#Mid	QAM16	21.22	24.38	PASS
LTE Band38	15	38000	36	#Max	QAM16	21.18	24.34	PASS
LTE Band38	15	38000	75	#0	QAM16	21.17	24.33	PASS
LTE Band38	15	38000	1	#0	QAM64	21.09	24.25	PASS
LTE Band38	15	38000	1	#Mid	QAM64	20.95	24.11	PASS
LTE Band38	15	38000	1	#Max	QAM64	20.91	24.07	PASS
LTE Band38	15	38000	36	#0	QAM64	20.15	23.31	PASS
LTE Band38	15	38000	36	#Mid	QAM64	20.13	23.29	PASS
LTE Band38	15	38000	36	#Max	QAM64	20.06	23.22	PASS
LTE Band38	15	38000	75	#0	QAM64	20.05	23.21	PASS
LTE Band38	15	38175	1	#0	QPSK	23.26	26.78	PASS
LTE Band38	15	38175	1	#Mid	QPSK	23.13	26.65	PASS
LTE Band38	15	38175	1	#Max	QPSK	23.09	26.61	PASS
LTE Band38	15	38175	36	#0	QPSK	22.11	25.63	PASS
LTE Band38	15	38175	36	#Mid	QPSK	22.11	25.63	PASS
LTE Band38	15	38175	36	#Max	QPSK	22.10	25.62	PASS
LTE Band38	15	38175	75	#0	QPSK	22.07	25.59	PASS
LTE Band38	15	38175	1	#0	QAM16	22.25	25.77	PASS
LTE Band38	15	38175	1	#Mid	QAM16	22.11	25.63	PASS
LTE Band38	15	38175	1	#Max	QAM16	22.07	25.59	PASS
LTE Band38	15	38175	36	#0	QAM16	21.07	24.59	PASS
LTE Band38	15	38175	36	#Mid	QAM16	21.07	24.59	PASS
LTE Band38	15	38175	36	#Max	QAM16	21.03	24.55	PASS
LTE Band38	15	38175	75	#0	QAM16	21.07	24.59	PASS
LTE Band38	15	38175	1	#0	QAM64	21.06	24.58	PASS
LTE Band38	15	38175	1	#Mid	QAM64	21.01	24.53	PASS
LTE Band38	15	38175	1	#Max	QAM64	21.01	24.53	PASS
LTE Band38	15	38175	36	#0	QAM64	20.15	23.67	PASS
LTE Band38	15	38175	36	#Mid	QAM64	20.10	23.62	PASS
LTE Band38	15	38175	36	#Max	QAM64	19.96	23.48	PASS
LTE Band38	15	38175	75	#0	QAM64	20.05	23.57	PASS
LTE Band38	20	37850	1	#0	QPSK	23.19	25.76	PASS
LTE Band38	20	37850	1	#Mid	QPSK	23.10	25.67	PASS
LTE Band38	20	37850	1	#Max	QPSK	23.12	25.69	PASS
LTE Band38	20	37850	50	#0	QPSK	22.15	24.72	PASS
LTE Band38	20	37850	50	#Mid	QPSK	22.15	24.72	PASS
LTE Band38	20	37850	50	#Max	QPSK	22.18	24.75	PASS
LTE Band38	20	37850	100	#0	QPSK	22.16	24.73	PASS
LTE Band38	20	37850	1	#0	QAM16	22.34	24.91	PASS
LTE Band38	20	37850	1	#Mid	QAM16	22.29	24.86	PASS



LTE Band38	20	37850	1	#Max	QAM16	22.37	24.94	PASS
LTE Band38	20	37850	50	#0	QAM16	21.17	23.74	PASS
LTE Band38	20	37850	50	#Mid	QAM16	21.19	23.76	PASS
LTE Band38	20	37850	50	#Max	QAM16	21.23	23.80	PASS
LTE Band38	20	37850	100	#0	QAM16	21.18	23.75	PASS
LTE Band38	20	37850	1	#0	QAM64	20.92	23.49	PASS
LTE Band38	20	37850	1	#Mid	QAM64	20.90	23.47	PASS
LTE Band38	20	37850	1	#Max	QAM64	20.85	23.42	PASS
LTE Band38	20	37850	50	#0	QAM64	19.92	22.49	PASS
LTE Band38	20	37850	50	#Mid	QAM64	19.93	22.50	PASS
LTE Band38	20	37850	50	#Max	QAM64	19.95	22.52	PASS
LTE Band38	20	37850	100	#0	QAM64	19.96	22.53	PASS
LTE Band38	20	38000	1	#0	QPSK	23.22	26.38	PASS
LTE Band38	20	38000	1	#Mid	QPSK	23.10	26.26	PASS
LTE Band38	20	38000	1	#Max	QPSK	23.11	26.27	PASS
LTE Band38	20	38000	50	#0	QPSK	22.17	25.33	PASS
LTE Band38	20	38000	50	#Mid	QPSK	22.16	25.32	PASS
LTE Band38	20	38000	50	#Max	QPSK	22.11	25.27	PASS
LTE Band38	20	38000	100	#0	QPSK	22.13	25.29	PASS
LTE Band38	20	38000	1	#0	QAM16	22.18	25.34	PASS
LTE Band38	20	38000	1	#Mid	QAM16	22.09	25.25	PASS
LTE Band38	20	38000	1	#Max	QAM16	22.05	25.21	PASS
LTE Band38	20	38000	50	#0	QAM16	21.17	24.33	PASS
LTE Band38	20	38000	50	#Mid	QAM16	21.18	24.34	PASS
LTE Band38	20	38000	50	#Max	QAM16	21.14	24.30	PASS
LTE Band38	20	38000	100	#0	QAM16	21.17	24.33	PASS
LTE Band38	20	38000	1	#0	QAM64	21.05	24.21	PASS
LTE Band38	20	38000	1	#Mid	QAM64	20.91	24.07	PASS
LTE Band38	20	38000	1	#Max	QAM64	20.90	24.06	PASS
LTE Band38	20	38000	50	#0	QAM64	20.10	23.26	PASS
LTE Band38	20	38000	50	#Mid	QAM64	20.09	23.25	PASS
LTE Band38	20	38000	50	#Max	QAM64	20.01	23.17	PASS
LTE Band38	20	38000	100	#0	QAM64	20.00	23.16	PASS
LTE Band38	20	38150	1	#0	QPSK	23.17	26.69	PASS
LTE Band38	20	38150	1	#Mid	QPSK	22.97	26.49	PASS
LTE Band38	20	38150	1	#Max	QPSK	23.00	26.52	PASS
LTE Band38	20	38150	50	#0	QPSK	22.10	25.62	PASS
LTE Band38	20	38150	50	#Mid	QPSK	22.09	25.61	PASS
LTE Band38	20	38150	50	#Max	QPSK	22.04	25.56	PASS
LTE Band38	20	38150	100	#0	QPSK	22.03	25.55	PASS
LTE Band38	20	38150	1	#0	QAM16	21.87	25.39	PASS
LTE Band38	20	38150	1	#Mid	QAM16	21.68	25.20	PASS
LTE Band38	20	38150	1	#Max	QAM16	21.62	25.14	PASS



LTE Band38	20	38150	50	#0	QAM16	21.12	24.64	PASS
LTE Band38	20	38150	50	#Mid	QAM16	21.13	24.65	PASS
LTE Band38	20	38150	50	#Max	QAM16	21.08	24.60	PASS
LTE Band38	20	38150	100	#0	QAM16	21.05	24.57	PASS
LTE Band38	20	38150	1	#0	QAM64	21.03	24.55	PASS
LTE Band38	20	38150	1	#Mid	QAM64	20.99	24.51	PASS
LTE Band38	20	38150	1	#Max	QAM64	20.98	24.50	PASS
LTE Band38	20	38150	50	#0	QAM64	20.11	23.63	PASS
LTE Band38	20	38150	50	#Mid	QAM64	20.07	23.59	PASS
LTE Band38	20	38150	50	#Max	QAM64	19.92	23.44	PASS
LTE Band38	20	38150	100	#0	QAM64	20.01	23.53	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
LTE Band41	5	39675	1	#0	QPSK	23.03	25.26	PASS
LTE Band41	5	39675	1	#Mid	QPSK	23.12	25.35	PASS
LTE Band41	5	39675	1	#Max	QPSK	23.07	25.30	PASS
LTE Band41	5	39675	12	#0	QPSK	22.16	24.39	PASS
LTE Band41	5	39675	12	#Mid	QPSK	22.11	24.34	PASS
LTE Band41	5	39675	12	#Max	QPSK	22.15	24.38	PASS
LTE Band41	5	39675	25	#0	QPSK	22.13	24.36	PASS
LTE Band41	5	39675	1	#0	QAM16	22.21	24.44	PASS
LTE Band41	5	39675	1	#Mid	QAM16	22.31	24.54	PASS
LTE Band41	5	39675	1	#Max	QAM16	22.26	24.49	PASS
LTE Band41	5	39675	12	#0	QAM16	21.11	23.34	PASS
LTE Band41	5	39675	12	#Mid	QAM16	21.12	23.35	PASS
LTE Band41	5	39675	12	#Max	QAM16	21.12	23.35	PASS
LTE Band41	5	39675	25	#0	QAM16	21.10	23.33	PASS
LTE Band41	5	39675	1	#0	QAM64	21.08	23.31	PASS
LTE Band41	5	39675	1	#Mid	QAM64	21.18	23.41	PASS
LTE Band41	5	39675	1	#Max	QAM64	21.19	23.42	PASS
LTE Band41	5	39675	12	#0	QAM64	20.36	22.59	PASS
LTE Band41	5	39675	12	#Mid	QAM64	20.32	22.55	PASS
LTE Band41	5	39675	12	#Max	QAM64	20.39	22.62	PASS
LTE Band41	5	39675	25	#0	QAM64	20.32	22.55	PASS
LTE Band41	5	40620	1	#0	QPSK	22.94	25.71	PASS
LTE Band41	5	40620	1	#Mid	QPSK	23.00	25.77	PASS
LTE Band41	5	40620	1	#Max	QPSK	22.98	25.75	PASS
LTE Band41	5	40620	12	#0	QPSK	22.04	24.81	PASS
LTE Band41	5	40620	12	#Mid	QPSK	22.02	24.79	PASS
LTE Band41	5	40620	12	#Max	QPSK	22.09	24.86	PASS
LTE Band41	5	40620	25	#0	QPSK	22.05	24.82	PASS
LTE Band41	5	40620	1	#0	QAM16	22.32	25.09	PASS



LTE Band41	5	40620	1	#Mid	QAM16	22.41	25.18	PASS
LTE Band41	5	40620	1	#Max	QAM16	22.34	25.11	PASS
LTE Band41	5	40620	12	#0	QAM16	21.11	23.88	PASS
LTE Band41	5	40620	12	#Mid	QAM16	21.09	23.86	PASS
LTE Band41	5	40620	12	#Max	QAM16	21.16	23.93	PASS
LTE Band41	5	40620	25	#0	QAM16	21.08	23.85	PASS
LTE Band41	5	40620	1	#0	QAM64	21.23	24.00	PASS
LTE Band41	5	40620	1	#Mid	QAM64	21.04	23.81	PASS
LTE Band41	5	40620	1	#Max	QAM64	21.06	23.83	PASS
LTE Band41	5	40620	12	#0	QAM64	20.23	23.00	PASS
LTE Band41	5	40620	12	#Mid	QAM64	20.26	23.03	PASS
LTE Band41	5	40620	12	#Max	QAM64	20.18	22.95	PASS
LTE Band41	5	40620	25	#0	QAM64	20.21	22.98	PASS
LTE Band41	5	41565	1	#0	QPSK	22.62	23.86	PASS
LTE Band41	5	41565	1	#Mid	QPSK	22.73	23.97	PASS
LTE Band41	5	41565	1	#Max	QPSK	22.69	23.93	PASS
LTE Band41	5	41565	12	#0	QPSK	21.64	22.88	PASS
LTE Band41	5	41565	12	#Mid	QPSK	21.63	22.87	PASS
LTE Band41	5	41565	12	#Max	QPSK	21.71	22.95	PASS
LTE Band41	5	41565	25	#0	QPSK	21.64	22.88	PASS
LTE Band41	5	41565	1	#0	QAM16	21.92	23.16	PASS
LTE Band41	5	41565	1	#Mid	QAM16	22.03	23.27	PASS
LTE Band41	5	41565	1	#Max	QAM16	21.93	23.17	PASS
LTE Band41	5	41565	12	#0	QAM16	20.64	21.88	PASS
LTE Band41	5	41565	12	#Mid	QAM16	20.64	21.88	PASS
LTE Band41	5	41565	12	#Max	QAM16	20.67	21.91	PASS
LTE Band41	5	41565	25	#0	QAM16	20.70	21.94	PASS
LTE Band41	5	41565	1	#0	QAM64	21.00	22.24	PASS
LTE Band41	5	41565	1	#Mid	QAM64	20.95	22.19	PASS
LTE Band41	5	41565	1	#Max	QAM64	21.03	22.27	PASS
LTE Band41	5	41565	12	#0	QAM64	20.10	21.34	PASS
LTE Band41	5	41565	12	#Mid	QAM64	20.11	21.35	PASS
LTE Band41	5	41565	12	#Max	QAM64	20.10	21.34	PASS
LTE Band41	5	41565	25	#0	QAM64	20.05	21.29	PASS
LTE Band41	10	39700	1	#0	QPSK	22.92	25.15	PASS
LTE Band41	10	39700	1	#Mid	QPSK	22.85	25.08	PASS
LTE Band41	10	39700	1	#Max	QPSK	22.96	25.19	PASS
LTE Band41	10	39700	25	#0	QPSK	22.10	24.33	PASS
LTE Band41	10	39700	25	#Mid	QPSK	22.09	24.32	PASS
LTE Band41	10	39700	25	#Max	QPSK	22.10	24.33	PASS
LTE Band41	10	39700	50	#0	QPSK	22.08	24.31	PASS
LTE Band41	10	39700	1	#0	QAM16	22.26	24.49	PASS
LTE Band41	10	39700	1	#Mid	QAM16	22.25	24.48	PASS



LTE Band41	10	39700	1	#Max	QAM16	22.41	24.64	PASS
LTE Band41	10	39700	25	#0	QAM16	21.20	23.43	PASS
LTE Band41	10	39700	25	#Mid	QAM16	21.22	23.45	PASS
LTE Band41	10	39700	25	#Max	QAM16	21.18	23.41	PASS
LTE Band41	10	39700	50	#0	QAM16	21.09	23.32	PASS
LTE Band41	10	39700	1	#0	QAM64	21.03	23.26	PASS
LTE Band41	10	39700	1	#Mid	QAM64	21.12	23.35	PASS
LTE Band41	10	39700	1	#Max	QAM64	21.12	23.35	PASS
LTE Band41	10	39700	25	#0	QAM64	20.29	22.52	PASS
LTE Band41	10	39700	25	#Mid	QAM64	20.28	22.51	PASS
LTE Band41	10	39700	25	#Max	QAM64	20.32	22.55	PASS
LTE Band41	10	39700	50	#0	QAM64	20.30	22.53	PASS
LTE Band41	10	40620	1	#0	QPSK	22.99	25.76	PASS
LTE Band41	10	40620	1	#Mid	QPSK	22.95	25.72	PASS
LTE Band41	10	40620	1	#Max	QPSK	22.93	25.70	PASS
LTE Band41	10	40620	25	#0	QPSK	22.06	24.83	PASS
LTE Band41	10	40620	25	#Mid	QPSK	22.08	24.85	PASS
LTE Band41	10	40620	25	#Max	QPSK	22.08	24.85	PASS
LTE Band41	10	40620	50	#0	QPSK	22.08	24.85	PASS
LTE Band41	10	40620	1	#0	QAM16	22.08	24.85	PASS
LTE Band41	10	40620	1	#Mid	QAM16	22.02	24.79	PASS
LTE Band41	10	40620	1	#Max	QAM16	22.04	24.81	PASS
LTE Band41	10	40620	25	#0	QAM16	21.15	23.92	PASS
LTE Band41	10	40620	25	#Mid	QAM16	21.12	23.89	PASS
LTE Band41	10	40620	25	#Max	QAM16	21.09	23.86	PASS
LTE Band41	10	40620	50	#0	QAM16	21.09	23.86	PASS
LTE Band41	10	40620	1	#0	QAM64	21.10	23.87	PASS
LTE Band41	10	40620	1	#Mid	QAM64	21.00	23.77	PASS
LTE Band41	10	40620	1	#Max	QAM64	20.98	23.75	PASS
LTE Band41	10	40620	25	#0	QAM64	20.19	22.96	PASS
LTE Band41	10	40620	25	#Mid	QAM64	20.22	22.99	PASS
LTE Band41	10	40620	25	#Max	QAM64	20.10	22.87	PASS
LTE Band41	10	40620	50	#0	QAM64	20.13	22.90	PASS
LTE Band41	10	41540	1	#0	QPSK	22.60	23.84	PASS
LTE Band41	10	41540	1	#Mid	QPSK	22.51	23.75	PASS
LTE Band41	10	41540	1	#Max	QPSK	22.59	23.83	PASS
LTE Band41	10	41540	25	#0	QPSK	21.70	22.94	PASS
LTE Band41	10	41540	25	#Mid	QPSK	21.73	22.97	PASS
LTE Band41	10	41540	25	#Max	QPSK	21.67	22.91	PASS
LTE Band41	10	41540	50	#0	QPSK	21.69	22.93	PASS
LTE Band41	10	41540	1	#0	QAM16	21.54	22.78	PASS
LTE Band41	10	41540	1	#Mid	QAM16	21.44	22.68	PASS
LTE Band41	10	41540	1	#Max	QAM16	21.50	22.74	PASS



LTE Band41	10	41540	25	#0	QAM16	20.73	21.97	PASS
LTE Band41	10	41540	25	#Mid	QAM16	20.73	21.97	PASS
LTE Band41	10	41540	25	#Max	QAM16	20.71	21.95	PASS
LTE Band41	10	41540	50	#0	QAM16	20.72	21.96	PASS
LTE Band41	10	41540	1	#0	QAM64	20.94	22.18	PASS
LTE Band41	10	41540	1	#Mid	QAM64	20.89	22.13	PASS
LTE Band41	10	41540	1	#Max	QAM64	20.93	22.17	PASS
LTE Band41	10	41540	25	#0	QAM64	20.04	21.28	PASS
LTE Band41	10	41540	25	#Mid	QAM64	20.06	21.30	PASS
LTE Band41	10	41540	25	#Max	QAM64	20.11	21.35	PASS
LTE Band41	10	41540	50	#0	QAM64	20.06	21.30	PASS
LTE Band41	15	39725	1	#0	QPSK	23.12	25.35	PASS
LTE Band41	15	39725	1	#Mid	QPSK	23.05	25.28	PASS
LTE Band41	15	39725	1	#Max	QPSK	23.17	25.40	PASS
LTE Band41	15	39725	36	#0	QPSK	22.22	24.45	PASS
LTE Band41	15	39725	36	#Mid	QPSK	22.22	24.45	PASS
LTE Band41	15	39725	36	#Max	QPSK	22.29	24.52	PASS
LTE Band41	15	39725	75	#0	QPSK	22.25	24.48	PASS
LTE Band41	15	39725	1	#0	QAM16	22.46	24.69	PASS
LTE Band41	15	39725	1	#Mid	QAM16	22.53	24.76	PASS
LTE Band41	15	39725	1	#Max	QAM16	22.56	24.79	PASS
LTE Band41	15	39725	36	#0	QAM16	21.24	23.47	PASS
LTE Band41	15	39725	36	#Mid	QAM16	21.25	23.48	PASS
LTE Band41	15	39725	36	#Max	QAM16	21.31	23.54	PASS
LTE Band41	15	39725	75	#0	QAM16	21.29	23.52	PASS
LTE Band41	15	39725	1	#0	QAM64	21.02	23.25	PASS
LTE Band41	15	39725	1	#Mid	QAM64	21.10	23.33	PASS
LTE Band41	15	39725	1	#Max	QAM64	21.09	23.32	PASS
LTE Band41	15	39725	36	#0	QAM64	20.27	22.50	PASS
LTE Band41	15	39725	36	#Mid	QAM64	20.25	22.48	PASS
LTE Band41	15	39725	36	#Max	QAM64	20.29	22.52	PASS
LTE Band41	15	39725	75	#0	QAM64	20.28	22.51	PASS
LTE Band41	15	40620	1	#0	QPSK	23.13	25.90	PASS
LTE Band41	15	40620	1	#Mid	QPSK	23.14	25.91	PASS
LTE Band41	15	40620	1	#Max	QPSK	23.11	25.88	PASS
LTE Band41	15	40620	36	#0	QPSK	22.24	25.01	PASS
LTE Band41	15	40620	36	#Mid	QPSK	22.24	25.01	PASS
LTE Band41	15	40620	36	#Max	QPSK	22.31	25.08	PASS
LTE Band41	15	40620	75	#0	QPSK	22.24	25.01	PASS
LTE Band41	15	40620	1	#0	QAM16	22.21	24.98	PASS
LTE Band41	15	40620	1	#Mid	QAM16	22.25	25.02	PASS
LTE Band41	15	40620	1	#Max	QAM16	22.21	24.98	PASS
LTE Band41	15	40620	36	#0	QAM16	21.23	24.00	PASS



LTE Band41	15	40620	36	#Mid	QAM16	21.25	24.02	PASS
LTE Band41	15	40620	36	#Max	QAM16	21.25	24.02	PASS
LTE Band41	15	40620	75	#0	QAM16	21.24	24.01	PASS
LTE Band41	15	40620	1	#0	QAM64	21.06	23.83	PASS
LTE Band41	15	40620	1	#Mid	QAM64	20.99	23.76	PASS
LTE Band41	15	40620	1	#Max	QAM64	20.93	23.70	PASS
LTE Band41	15	40620	36	#0	QAM64	20.15	22.92	PASS
LTE Band41	15	40620	36	#Mid	QAM64	20.17	22.94	PASS
LTE Band41	15	40620	36	#Max	QAM64	20.07	22.84	PASS
LTE Band41	15	40620	75	#0	QAM64	20.09	22.86	PASS
LTE Band41	15	41515	1	#0	QPSK	22.88	25.01	PASS
LTE Band41	15	41515	1	#Mid	QPSK	22.91	25.04	PASS
LTE Band41	15	41515	1	#Max	QPSK	23.07	25.20	PASS
LTE Band41	15	41515	36	#0	QPSK	21.87	24.00	PASS
LTE Band41	15	41515	36	#Mid	QPSK	21.88	24.01	PASS
LTE Band41	15	41515	36	#Max	QPSK	22.00	24.13	PASS
LTE Band41	15	41515	75	#0	QPSK	21.92	24.05	PASS
LTE Band41	15	41515	1	#0	QAM16	21.83	23.96	PASS
LTE Band41	15	41515	1	#Mid	QAM16	21.89	24.02	PASS
LTE Band41	15	41515	1	#Max	QAM16	21.92	24.05	PASS
LTE Band41	15	41515	36	#0	QAM16	20.81	22.94	PASS
LTE Band41	15	41515	36	#Mid	QAM16	20.83	22.96	PASS
LTE Band41	15	41515	36	#Max	QAM16	20.93	23.06	PASS
LTE Band41	15	41515	75	#0	QAM16	20.92	23.05	PASS
LTE Band41	15	41515	1	#0	QAM64	20.92	23.05	PASS
LTE Band41	15	41515	1	#Mid	QAM64	20.86	22.99	PASS
LTE Band41	15	41515	1	#Max	QAM64	20.89	23.02	PASS
LTE Band41	15	41515	36	#0	QAM64	20.01	22.14	PASS
LTE Band41	15	41515	36	#Mid	QAM64	20.02	22.15	PASS
LTE Band41	15	41515	36	#Max	QAM64	20.07	22.20	PASS
LTE Band41	15	41515	75	#0	QAM64	20.01	22.14	PASS
LTE Band41	20	39750	1	#0	QPSK	23.15	25.25	PASS
LTE Band41	20	39750	1	#Mid	QPSK	23.15	25.25	PASS
LTE Band41	20	39750	1	#Max	QPSK	23.25	25.35	PASS
LTE Band41	20	39750	50	#0	QPSK	22.21	24.31	PASS
LTE Band41	20	39750	50	#Mid	QPSK	22.21	24.31	PASS
LTE Band41	20	39750	50	#Max	QPSK	22.31	24.41	PASS
LTE Band41	20	39750	100	#0	QPSK	22.23	24.33	PASS
LTE Band41	20	39750	1	#0	QAM16	22.31	24.41	PASS
LTE Band41	20	39750	1	#Mid	QAM16	22.35	24.45	PASS
LTE Band41	20	39750	1	#Max	QAM16	22.44	24.54	PASS
LTE Band41	20	39750	50	#0	QAM16	21.25	23.35	PASS
LTE Band41	20	39750	50	#Mid	QAM16	21.24	23.34	PASS



LTE Band41	20	39750	50	#Max	QAM16	21.34	23.44	PASS
LTE Band41	20	39750	100	#0	QAM16	21.28	23.38	PASS
LTE Band41	20	39750	1	#0	QAM64	20.99	23.09	PASS
LTE Band41	20	39750	1	#Mid	QAM64	21.09	23.19	PASS
LTE Band41	20	39750	1	#Max	QAM64	21.07	23.17	PASS
LTE Band41	20	39750	50	#0	QAM64	20.24	22.34	PASS
LTE Band41	20	39750	50	#Mid	QAM64	20.23	22.33	PASS
LTE Band41	20	39750	50	#Max	QAM64	20.26	22.36	PASS
LTE Band41	20	39750	100	#0	QAM64	20.25	22.35	PASS
LTE Band41	20	40620	1	#0	QPSK	23.13	25.90	PASS
LTE Band41	20	40620	1	#Mid	QPSK	23.17	25.94	PASS
LTE Band41	20	40620	1	#Max	QPSK	23.11	25.88	PASS
LTE Band41	20	40620	50	#0	QPSK	22.21	24.98	PASS
LTE Band41	20	40620	50	#Mid	QPSK	22.21	24.98	PASS
LTE Band41	20	40620	50	#Max	QPSK	22.24	25.01	PASS
LTE Band41	20	40620	100	#0	QPSK	22.18	24.95	PASS
LTE Band41	20	40620	1	#0	QAM16	22.07	24.84	PASS
LTE Band41	20	40620	1	#Mid	QAM16	22.16	24.93	PASS
LTE Band41	20	40620	1	#Max	QAM16	22.10	24.87	PASS
LTE Band41	20	40620	50	#0	QAM16	21.21	23.98	PASS
LTE Band41	20	40620	50	#Mid	QAM16	21.22	23.99	PASS
LTE Band41	20	40620	50	#Max	QAM16	21.24	24.01	PASS
LTE Band41	20	40620	100	#0	QAM16	21.22	23.99	PASS
LTE Band41	20	40620	1	#0	QAM64	21.02	23.79	PASS
LTE Band41	20	40620	1	#Mid	QAM64	20.95	23.72	PASS
LTE Band41	20	40620	1	#Max	QAM64	20.92	23.69	PASS
LTE Band41	20	40620	50	#0	QAM64	20.10	22.87	PASS
LTE Band41	20	40620	50	#Mid	QAM64	20.13	22.90	PASS
LTE Band41	20	40620	50	#Max	QAM64	20.02	22.79	PASS
LTE Band41	20	40620	100	#0	QAM64	20.04	22.81	PASS
LTE Band41	20	41490	1	#0	QPSK	22.75	24.88	PASS
LTE Band41	20	41490	1	#Mid	QPSK	22.79	24.92	PASS
LTE Band41	20	41490	1	#Max	QPSK	23.05	25.18	PASS
LTE Band41	20	41490	50	#0	QPSK	21.78	23.91	PASS
LTE Band41	20	41490	50	#Mid	QPSK	21.80	23.93	PASS
LTE Band41	20	41490	50	#Max	QPSK	21.90	24.03	PASS
LTE Band41	20	41490	100	#0	QPSK	21.87	24.00	PASS
LTE Band41	20	41490	1	#0	QAM16	21.44	23.57	PASS
LTE Band41	20	41490	1	#Mid	QAM16	21.45	23.58	PASS
LTE Band41	20	41490	1	#Max	QAM16	21.60	23.73	PASS
LTE Band41	20	41490	50	#0	QAM16	20.88	23.01	PASS
LTE Band41	20	41490	50	#Mid	QAM16	20.89	23.02	PASS
LTE Band41	20	41490	50	#Max	QAM16	20.96	23.09	PASS



LTE Band41	20	41490	100	#0	QAM16	20.86	22.99	PASS
LTE Band41	20	41490	1	#0	QAM64	20.89	23.02	PASS
LTE Band41	20	41490	1	#Mid	QAM64	20.84	22.97	PASS
LTE Band41	20	41490	1	#Max	QAM64	20.86	22.99	PASS
LTE Band41	20	41490	50	#0	QAM64	19.97	22.10	PASS
LTE Band41	20	41490	50	#Mid	QAM64	19.99	22.12	PASS
LTE Band41	20	41490	50	#Max	QAM64	20.03	22.16	PASS
LTE Band41	20	41490	100	#0	QAM64	19.97	22.10	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)	Verdict
LTE Band66	1.4	131979	1	#0	QPSK	22.76	25.44	PASS
LTE Band66	1.4	131979	1	#Mid	QPSK	22.90	25.58	PASS
LTE Band66	1.4	131979	1	#Max	QPSK	22.86	25.54	PASS
LTE Band66	1.4	131979	3	#0	QPSK	22.76	25.44	PASS
LTE Band66	1.4	131979	3	#Mid	QPSK	22.75	25.43	PASS
LTE Band66	1.4	131979	3	#Max	QPSK	22.74	25.42	PASS
LTE Band66	1.4	131979	6	#0	QPSK	21.83	24.51	PASS
LTE Band66	1.4	131979	1	#0	QAM16	21.72	24.40	PASS
LTE Band66	1.4	131979	1	#Mid	QAM16	21.89	24.57	PASS
LTE Band66	1.4	131979	1	#Max	QAM16	21.83	24.51	PASS
LTE Band66	1.4	131979	3	#0	QAM16	22.02	24.70	PASS
LTE Band66	1.4	131979	3	#Mid	QAM16	22.02	24.70	PASS
LTE Band66	1.4	131979	3	#Max	QAM16	22.00	24.68	PASS
LTE Band66	1.4	131979	6	#0	QAM16	20.87	23.55	PASS
LTE Band66	1.4	131979	1	#0	QAM64	21.26	23.94	PASS
LTE Band66	1.4	131979	1	#Mid	QAM64	21.06	23.74	PASS
LTE Band66	1.4	131979	1	#Max	QAM64	21.36	24.04	PASS
LTE Band66	1.4	131979	3	#0	QAM64	19.91	22.59	PASS
LTE Band66	1.4	131979	3	#Mid	QAM64	19.93	22.61	PASS
LTE Band66	1.4	131979	3	#Max	QAM64	19.96	22.64	PASS
LTE Band66	1.4	131979	6	#0	QAM64	19.91	22.59	PASS
LTE Band66	1.4	132322	1	#0	QPSK	22.73	24.30	PASS
LTE Band66	1.4	132322	1	#Mid	QPSK	22.83	24.40	PASS
LTE Band66	1.4	132322	1	#Max	QPSK	22.72	24.29	PASS
LTE Band66	1.4	132322	3	#0	QPSK	22.68	24.25	PASS
LTE Band66	1.4	132322	3	#Mid	QPSK	22.68	24.25	PASS
LTE Band66	1.4	132322	3	#Max	QPSK	22.66	24.23	PASS
LTE Band66	1.4	132322	6	#0	QPSK	21.88	23.45	PASS
LTE Band66	1.4	132322	1	#0	QAM16	21.86	23.43	PASS
LTE Band66	1.4	132322	1	#Mid	QAM16	21.97	23.54	PASS
LTE Band66	1.4	132322	1	#Max	QAM16	21.93	23.50	PASS
LTE Band66	1.4	132322	3	#0	QAM16	21.74	23.31	PASS



LTE Band66	1.4	132322	3	#Mid	QAM16	21.73	23.30	PASS
LTE Band66	1.4	132322	3	#Max	QAM16	21.77	23.34	PASS
LTE Band66	1.4	132322	6	#0	QAM16	20.85	22.42	PASS
LTE Band66	1.4	132322	1	#0	QAM64	21.22	22.79	PASS
LTE Band66	1.4	132322	1	#Mid	QAM64	20.90	22.47	PASS
LTE Band66	1.4	132322	1	#Max	QAM64	21.08	22.65	PASS
LTE Band66	1.4	132322	3	#0	QAM64	20.02	21.59	PASS
LTE Band66	1.4	132322	3	#Mid	QAM64	19.95	21.52	PASS
LTE Band66	1.4	132322	3	#Max	QAM64	19.89	21.46	PASS
LTE Band66	1.4	132322	6	#0	QAM64	19.94	21.51	PASS
LTE Band66	1.4	132665	1	#0	QPSK	22.82	25.78	PASS
LTE Band66	1.4	132665	1	#Mid	QPSK	22.94	25.90	PASS
LTE Band66	1.4	132665	1	#Max	QPSK	22.86	25.82	PASS
LTE Band66	1.4	132665	3	#0	QPSK	22.67	25.63	PASS
LTE Band66	1.4	132665	3	#Mid	QPSK	22.66	25.62	PASS
LTE Band66	1.4	132665	3	#Max	QPSK	22.69	25.65	PASS
LTE Band66	1.4	132665	6	#0	QPSK	21.78	24.74	PASS
LTE Band66	1.4	132665	1	#0	QAM16	21.61	24.57	PASS
LTE Band66	1.4	132665	1	#Mid	QAM16	21.70	24.66	PASS
LTE Band66	1.4	132665	1	#Max	QAM16	21.65	24.61	PASS
LTE Band66	1.4	132665	3	#0	QAM16	21.73	24.69	PASS
LTE Band66	1.4	132665	3	#Mid	QAM16	21.74	24.70	PASS
LTE Band66	1.4	132665	3	#Max	QAM16	21.78	24.74	PASS
LTE Band66	1.4	132665	6	#0	QAM16	20.79	23.75	PASS
LTE Band66	1.4	132665	1	#0	QAM64	21.22	24.18	PASS
LTE Band66	1.4	132665	1	#Mid	QAM64	21.06	24.02	PASS
LTE Band66	1.4	132665	1	#Max	QAM64	21.03	23.99	PASS
LTE Band66	1.4	132665	3	#0	QAM64	19.89	22.85	PASS
LTE Band66	1.4	132665	3	#Mid	QAM64	19.86	22.82	PASS
LTE Band66	1.4	132665	3	#Max	QAM64	19.94	22.90	PASS
LTE Band66	1.4	132665	6	#0	QAM64	19.90	22.86	PASS
LTE Band66	3	131987	1	#0	QPSK	22.71	25.39	PASS
LTE Band66	3	131987	1	#Mid	QPSK	22.88	25.56	PASS
LTE Band66	3	131987	1	#Max	QPSK	22.81	25.49	PASS
LTE Band66	3	131987	8	#0	QPSK	21.93	24.61	PASS
LTE Band66	3	131987	8	#Mid	QPSK	21.92	24.60	PASS
LTE Band66	3	131987	8	#Max	QPSK	21.91	24.59	PASS
LTE Band66	3	131987	15	#0	QPSK	21.97	24.65	PASS
LTE Band66	3	131987	1	#0	QAM16	22.01	24.69	PASS
LTE Band66	3	131987	1	#Mid	QAM16	22.16	24.84	PASS
LTE Band66	3	131987	1	#Max	QAM16	22.05	24.73	PASS
LTE Band66	3	131987	8	#0	QAM16	20.95	23.63	PASS
LTE Band66	3	131987	8	#Mid	QAM16	20.94	23.62	PASS



LTE Band66	3	131987	8	#Max	QAM16	20.94	23.62	PASS
LTE Band66	3	131987	15	#0	QAM16	21.02	23.70	PASS
LTE Band66	3	131987	1	#0	QAM64	21.28	23.96	PASS
LTE Band66	3	131987	1	#Mid	QAM64	21.09	23.77	PASS
LTE Band66	3	131987	1	#Max	QAM64	21.39	24.07	PASS
LTE Band66	3	131987	8	#0	QAM64	19.99	22.67	PASS
LTE Band66	3	131987	8	#Mid	QAM64	20.03	22.71	PASS
LTE Band66	3	131987	8	#Max	QAM64	20.04	22.72	PASS
LTE Band66	3	131987	15	#0	QAM64	19.94	22.62	PASS
LTE Band66	3	132322	1	#0	QPSK	22.75	24.32	PASS
LTE Band66	3	132322	1	#Mid	QPSK	22.92	24.49	PASS
LTE Band66	3	132322	1	#Max	QPSK	22.80	24.37	PASS
LTE Band66	3	132322	8	#0	QPSK	21.89	23.46	PASS
LTE Band66	3	132322	8	#Mid	QPSK	21.90	23.47	PASS
LTE Band66	3	132322	8	#Max	QPSK	21.96	23.53	PASS
LTE Band66	3	132322	15	#0	QPSK	21.94	23.51	PASS
LTE Band66	3	132322	1	#0	QAM16	21.89	23.46	PASS
LTE Band66	3	132322	1	#Mid	QAM16	22.05	23.62	PASS
LTE Band66	3	132322	1	#Max	QAM16	21.99	23.56	PASS
LTE Band66	3	132322	8	#0	QAM16	20.81	22.38	PASS
LTE Band66	3	132322	8	#Mid	QAM16	20.82	22.39	PASS
LTE Band66	3	132322	8	#Max	QAM16	20.93	22.50	PASS
LTE Band66	3	132322	15	#0	QAM16	20.87	22.44	PASS
LTE Band66	3	132322	1	#0	QAM64	21.26	22.83	PASS
LTE Band66	3	132322	1	#Mid	QAM64	20.95	22.52	PASS
LTE Band66	3	132322	1	#Max	QAM64	21.13	22.70	PASS
LTE Band66	3	132322	8	#0	QAM64	20.12	21.69	PASS
LTE Band66	3	132322	8	#Mid	QAM64	20.03	21.60	PASS
LTE Band66	3	132322	8	#Max	QAM64	19.98	21.55	PASS
LTE Band66	3	132322	15	#0	QAM64	19.98	21.55	PASS
LTE Band66	3	132657	1	#0	QPSK	22.81	25.77	PASS
LTE Band66	3	132657	1	#Mid	QPSK	23.00	25.96	PASS
LTE Band66	3	132657	1	#Max	QPSK	22.97	25.93	PASS
LTE Band66	3	132657	8	#0	QPSK	21.89	24.85	PASS
LTE Band66	3	132657	8	#Mid	QPSK	21.89	24.85	PASS
LTE Band66	3	132657	8	#Max	QPSK	21.92	24.88	PASS
LTE Band66	3	132657	15	#0	QPSK	21.90	24.86	PASS
LTE Band66	3	132657	1	#0	QAM16	21.68	24.64	PASS
LTE Band66	3	132657	1	#Mid	QAM16	21.79	24.75	PASS
LTE Band66	3	132657	1	#Max	QAM16	21.78	24.74	PASS
LTE Band66	3	132657	8	#0	QAM16	20.89	23.85	PASS
LTE Band66	3	132657	8	#Mid	QAM16	20.89	23.85	PASS
LTE Band66	3	132657	8	#Max	QAM16	20.91	23.87	PASS



LTE Band66	3	132657	15	#0	QAM16	20.95	23.91	PASS
LTE Band66	3	132657	1	#0	QAM64	21.25	24.21	PASS
LTE Band66	3	132657	1	#Mid	QAM64	21.10	24.06	PASS
LTE Band66	3	132657	1	#Max	QAM64	21.07	24.03	PASS
LTE Band66	3	132657	8	#0	QAM64	20.00	22.96	PASS
LTE Band66	3	132657	8	#Mid	QAM64	19.96	22.92	PASS
LTE Band66	3	132657	8	#Max	QAM64	20.02	22.98	PASS
LTE Band66	3	132657	15	#0	QAM64	19.93	22.89	PASS
LTE Band66	5	131997	1	#0	QPSK	22.77	25.45	PASS
LTE Band66	5	131997	1	#Mid	QPSK	22.93	25.61	PASS
LTE Band66	5	131997	1	#Max	QPSK	22.92	25.60	PASS
LTE Band66	5	131997	12	#0	QPSK	21.92	24.60	PASS
LTE Band66	5	131997	12	#Mid	QPSK	21.95	24.63	PASS
LTE Band66	5	131997	12	#Max	QPSK	21.95	24.63	PASS
LTE Band66	5	131997	25	#0	QPSK	21.93	24.61	PASS
LTE Band66	5	131997	1	#0	QAM16	22.09	24.77	PASS
LTE Band66	5	131997	1	#Mid	QAM16	22.19	24.87	PASS
LTE Band66	5	131997	1	#Max	QAM16	22.18	24.86	PASS
LTE Band66	5	131997	12	#0	QAM16	20.91	23.59	PASS
LTE Band66	5	131997	12	#Mid	QAM16	20.94	23.62	PASS
LTE Band66	5	131997	12	#Max	QAM16	20.97	23.65	PASS
LTE Band66	5	131997	25	#0	QAM16	21.05	23.73	PASS
LTE Band66	5	131997	1	#0	QAM64	21.32	24.00	PASS
LTE Band66	5	131997	1	#Mid	QAM64	21.16	23.84	PASS
LTE Band66	5	131997	1	#Max	QAM64	21.45	24.13	PASS
LTE Band66	5	131997	12	#0	QAM64	20.06	22.74	PASS
LTE Band66	5	131997	12	#Mid	QAM64	20.08	22.76	PASS
LTE Band66	5	131997	12	#Max	QAM64	20.11	22.79	PASS
LTE Band66	5	131997	25	#0	QAM64	20.02	22.70	PASS
LTE Band66	5	132322	1	#0	QPSK	22.84	24.41	PASS
LTE Band66	5	132322	1	#Mid	QPSK	22.97	24.54	PASS
LTE Band66	5	132322	1	#Max	QPSK	22.97	24.54	PASS
LTE Band66	5	132322	12	#0	QPSK	21.88	23.45	PASS
LTE Band66	5	132322	12	#Mid	QPSK	21.88	23.45	PASS
LTE Band66	5	132322	12	#Max	QPSK	21.97	23.54	PASS
LTE Band66	5	132322	25	#0	QPSK	21.83	23.40	PASS
LTE Band66	5	132322	1	#0	QAM16	21.91	23.48	PASS
LTE Band66	5	132322	1	#Mid	QAM16	22.05	23.62	PASS
LTE Band66	5	132322	1	#Max	QAM16	22.09	23.66	PASS
LTE Band66	5	132322	12	#0	QAM16	20.81	22.38	PASS
LTE Band66	5	132322	12	#Mid	QAM16	20.82	22.39	PASS
LTE Band66	5	132322	12	#Max	QAM16	20.91	22.48	PASS
LTE Band66	5	132322	25	#0	QAM16	20.90	22.47	PASS



LTE Band66	5	132322	1	#0	QAM64	21.38	22.95	PASS
LTE Band66	5	132322	1	#Mid	QAM64	21.00	22.57	PASS
LTE Band66	5	132322	1	#Max	QAM64	21.20	22.77	PASS
LTE Band66	5	132322	12	#0	QAM64	20.16	21.73	PASS
LTE Band66	5	132322	12	#Mid	QAM64	20.08	21.65	PASS
LTE Band66	5	132322	12	#Max	QAM64	20.08	21.65	PASS
LTE Band66	5	132322	25	#0	QAM64	20.07	21.64	PASS
LTE Band66	5	132647	1	#0	QPSK	22.71	25.67	PASS
LTE Band66	5	132647	1	#Mid	QPSK	22.84	25.80	PASS
LTE Band66	5	132647	1	#Max	QPSK	22.84	25.80	PASS
LTE Band66	5	132647	12	#0	QPSK	21.81	24.77	PASS
LTE Band66	5	132647	12	#Mid	QPSK	21.82	24.78	PASS
LTE Band66	5	132647	12	#Max	QPSK	21.93	24.89	PASS
LTE Band66	5	132647	25	#0	QPSK	21.92	24.88	PASS
LTE Band66	5	132647	1	#0	QAM16	21.99	24.95	PASS
LTE Band66	5	132647	1	#Mid	QAM16	22.11	25.07	PASS
LTE Band66	5	132647	1	#Max	QAM16	22.11	25.07	PASS
LTE Band66	5	132647	12	#0	QAM16	20.91	23.87	PASS
LTE Band66	5	132647	12	#Mid	QAM16	20.92	23.88	PASS
LTE Band66	5	132647	12	#Max	QAM16	20.94	23.90	PASS
LTE Band66	5	132647	25	#0	QAM16	20.95	23.91	PASS
LTE Band66	5	132647	1	#0	QAM64	21.30	24.26	PASS
LTE Band66	5	132647	1	#Mid	QAM64	21.17	24.13	PASS
LTE Band66	5	132647	1	#Max	QAM64	21.16	24.12	PASS
LTE Band66	5	132647	12	#0	QAM64	20.06	23.02	PASS
LTE Band66	5	132647	12	#Mid	QAM64	20.00	22.96	PASS
LTE Band66	5	132647	12	#Max	QAM64	20.02	22.98	PASS
LTE Band66	5	132647	25	#0	QAM64	19.94	22.90	PASS
LTE Band66	10	132022	1	#0	QPSK	22.73	24.95	PASS
LTE Band66	10	132022	1	#Mid	QPSK	22.61	24.83	PASS
LTE Band66	10	132022	1	#Max	QPSK	22.75	24.97	PASS
LTE Band66	10	132022	25	#0	QPSK	21.93	24.15	PASS
LTE Band66	10	132022	25	#Mid	QPSK	21.94	24.16	PASS
LTE Band66	10	132022	25	#Max	QPSK	21.90	24.12	PASS
LTE Band66	10	132022	50	#0	QPSK	21.91	24.13	PASS
LTE Band66	10	132022	1	#0	QAM16	22.00	24.22	PASS
LTE Band66	10	132022	1	#Mid	QAM16	21.87	24.09	PASS
LTE Band66	10	132022	1	#Max	QAM16	22.02	24.24	PASS
LTE Band66	10	132022	25	#0	QAM16	21.01	23.23	PASS
LTE Band66	10	132022	25	#Mid	QAM16	20.99	23.21	PASS
LTE Band66	10	132022	25	#Max	QAM16	20.99	23.21	PASS
LTE Band66	10	132022	50	#0	QAM16	20.96	23.18	PASS
LTE Band66	10	132022	1	#0	QAM64	21.27	23.49	PASS



LTE Band66	10	132022	1	#Mid	QAM64	21.10	23.32	PASS
LTE Band66	10	132022	1	#Max	QAM64	21.38	23.60	PASS
LTE Band66	10	132022	25	#0	QAM64	19.99	22.21	PASS
LTE Band66	10	132022	25	#Mid	QAM64	20.04	22.26	PASS
LTE Band66	10	132022	25	#Max	QAM64	20.04	22.26	PASS
LTE Band66	10	132022	50	#0	QAM64	20.00	22.22	PASS
LTE Band66	10	132322	1	#0	QPSK	22.75	24.32	PASS
LTE Band66	10	132322	1	#Mid	QPSK	22.62	24.19	PASS
LTE Band66	10	132322	1	#Max	QPSK	22.73	24.30	PASS
LTE Band66	10	132322	25	#0	QPSK	21.94	23.51	PASS
LTE Band66	10	132322	25	#Mid	QPSK	21.93	23.50	PASS
LTE Band66	10	132322	25	#Max	QPSK	21.88	23.45	PASS
LTE Band66	10	132322	50	#0	QPSK	21.87	23.44	PASS
LTE Band66	10	132322	1	#0	QAM16	21.89	23.46	PASS
LTE Band66	10	132322	1	#Mid	QAM16	21.79	23.36	PASS
LTE Band66	10	132322	1	#Max	QAM16	21.95	23.52	PASS
LTE Band66	10	132322	25	#0	QAM16	20.95	22.52	PASS
LTE Band66	10	132322	25	#Mid	QAM16	20.94	22.51	PASS
LTE Band66	10	132322	25	#Max	QAM16	20.92	22.49	PASS
LTE Band66	10	132322	50	#0	QAM16	20.88	22.45	PASS
LTE Band66	10	132322	1	#0	QAM64	21.25	22.82	PASS
LTE Band66	10	132322	1	#Mid	QAM64	20.96	22.53	PASS
LTE Band66	10	132322	1	#Max	QAM64	21.12	22.69	PASS
LTE Band66	10	132322	25	#0	QAM64	20.12	21.69	PASS
LTE Band66	10	132322	25	#Mid	QAM64	20.04	21.61	PASS
LTE Band66	10	132322	25	#Max	QAM64	20.00	21.57	PASS
LTE Band66	10	132322	50	#0	QAM64	19.99	21.56	PASS
LTE Band66	10	132622	1	#0	QPSK	22.79	25.75	PASS
LTE Band66	10	132622	1	#Mid	QPSK	22.72	25.68	PASS
LTE Band66	10	132622	1	#Max	QPSK	22.93	25.89	PASS
LTE Band66	10	132622	25	#0	QPSK	21.92	24.88	PASS
LTE Band66	10	132622	25	#Mid	QPSK	21.90	24.86	PASS
LTE Band66	10	132622	25	#Max	QPSK	21.84	24.80	PASS
LTE Band66	10	132622	50	#0	QPSK	21.87	24.83	PASS
LTE Band66	10	132622	1	#0	QAM16	21.64	24.60	PASS
LTE Band66	10	132622	1	#Mid	QAM16	21.51	24.47	PASS
LTE Band66	10	132622	1	#Max	QAM16	21.65	24.61	PASS
LTE Band66	10	132622	25	#0	QAM16	20.91	23.87	PASS
LTE Band66	10	132622	25	#Mid	QAM16	20.91	23.87	PASS
LTE Band66	10	132622	25	#Max	QAM16	20.86	23.82	PASS
LTE Band66	10	132622	50	#0	QAM16	20.92	23.88	PASS
LTE Band66	10	132622	1	#0	QAM64	21.24	24.20	PASS
LTE Band66	10	132622	1	#Mid	QAM64	21.11	24.07	PASS



LTE Band66	10	132622	1	#Max	QAM64	21.06	24.02	PASS
LTE Band66	10	132622	25	#0	QAM64	20.00	22.96	PASS
LTE Band66	10	132622	25	#Mid	QAM64	19.95	22.91	PASS
LTE Band66	10	132622	25	#Max	QAM64	20.03	22.99	PASS
LTE Band66	10	132622	50	#0	QAM64	19.95	22.91	PASS
LTE Band66	15	132047	1	#0	QPSK	23.05	25.27	PASS
LTE Band66	15	132047	1	#Mid	QPSK	22.90	25.12	PASS
LTE Band66	15	132047	1	#Max	QPSK	22.91	25.13	PASS
LTE Band66	15	132047	36	#0	QPSK	22.19	24.41	PASS
LTE Band66	15	132047	36	#Mid	QPSK	22.19	24.41	PASS
LTE Band66	15	132047	36	#Max	QPSK	22.11	24.33	PASS
LTE Band66	15	132047	75	#0	QPSK	22.12	24.34	PASS
LTE Band66	15	132047	1	#0	QAM16	22.28	24.50	PASS
LTE Band66	15	132047	1	#Mid	QAM16	22.24	24.46	PASS
LTE Band66	15	132047	1	#Max	QAM16	22.27	24.49	PASS
LTE Band66	15	132047	36	#0	QAM16	21.18	23.40	PASS
LTE Band66	15	132047	36	#Mid	QAM16	21.19	23.41	PASS
LTE Band66	15	132047	36	#Max	QAM16	21.10	23.32	PASS
LTE Band66	15	132047	75	#0	QAM16	21.17	23.39	PASS
LTE Band66	15	132047	1	#0	QAM64	21.26	23.48	PASS
LTE Band66	15	132047	1	#Mid	QAM64	21.08	23.30	PASS
LTE Band66	15	132047	1	#Max	QAM64	21.35	23.57	PASS
LTE Band66	15	132047	36	#0	QAM64	19.97	22.19	PASS
LTE Band66	15	132047	36	#Mid	QAM64	20.01	22.23	PASS
LTE Band66	15	132047	36	#Max	QAM64	20.01	22.23	PASS
LTE Band66	15	132047	75	#0	QAM64	19.98	22.20	PASS
LTE Band66	15	132322	1	#0	QPSK	23.06	24.63	PASS
LTE Band66	15	132322	1	#Mid	QPSK	22.96	24.53	PASS
LTE Band66	15	132322	1	#Max	QPSK	22.94	24.51	PASS
LTE Band66	15	132322	36	#0	QPSK	22.22	23.79	PASS
LTE Band66	15	132322	36	#Mid	QPSK	22.23	23.80	PASS
LTE Band66	15	132322	36	#Max	QPSK	22.11	23.68	PASS
LTE Band66	15	132322	75	#0	QPSK	22.14	23.71	PASS
LTE Band66	15	132322	1	#0	QAM16	22.22	23.79	PASS
LTE Band66	15	132322	1	#Mid	QAM16	22.11	23.68	PASS
LTE Band66	15	132322	1	#Max	QAM16	22.14	23.71	PASS
LTE Band66	15	132322	36	#0	QAM16	21.15	22.72	PASS
LTE Band66	15	132322	36	#Mid	QAM16	21.17	22.74	PASS
LTE Band66	15	132322	36	#Max	QAM16	21.07	22.64	PASS
LTE Band66	15	132322	75	#0	QAM16	21.17	22.74	PASS
LTE Band66	15	132322	1	#0	QAM64	21.21	22.78	PASS
LTE Band66	15	132322	1	#Mid	QAM64	20.95	22.52	PASS
LTE Band66	15	132322	1	#Max	QAM64	21.07	22.64	PASS



LTE Band66	15	132322	36	#0	QAM64	20.08	21.65	PASS
LTE Band66	15	132322	36	#Mid	QAM64	19.99	21.56	PASS
LTE Band66	15	132322	36	#Max	QAM64	19.97	21.54	PASS
LTE Band66	15	132322	75	#0	QAM64	19.95	21.52	PASS
LTE Band66	15	132597	1	#0	QPSK	23.12	25.99	PASS
LTE Band66	15	132597	1	#Mid	QPSK	22.99	25.86	PASS
LTE Band66	15	132597	1	#Max	QPSK	22.94	25.81	PASS
LTE Band66	15	132597	36	#0	QPSK	22.16	25.03	PASS
LTE Band66	15	132597	36	#Mid	QPSK	22.11	24.98	PASS
LTE Band66	15	132597	36	#Max	QPSK	22.06	24.93	PASS
LTE Band66	15	132597	75	#0	QPSK	22.06	24.93	PASS
LTE Band66	15	132597	1	#0	QAM16	22.12	24.99	PASS
LTE Band66	15	132597	1	#Mid	QAM16	21.94	24.81	PASS
LTE Band66	15	132597	1	#Max	QAM16	21.89	24.76	PASS
LTE Band66	15	132597	36	#0	QAM16	21.08	23.95	PASS
LTE Band66	15	132597	36	#Mid	QAM16	21.09	23.96	PASS
LTE Band66	15	132597	36	#Max	QAM16	21.00	23.87	PASS
LTE Band66	15	132597	75	#0	QAM16	21.11	23.98	PASS
LTE Band66	15	132597	1	#0	QAM64	21.22	24.09	PASS
LTE Band66	15	132597	1	#Mid	QAM64	21.08	23.95	PASS
LTE Band66	15	132597	1	#Max	QAM64	21.02	23.89	PASS
LTE Band66	15	132597	36	#0	QAM64	19.97	22.84	PASS
LTE Band66	15	132597	36	#Mid	QAM64	19.91	22.78	PASS
LTE Band66	15	132597	36	#Max	QAM64	19.99	22.86	PASS
LTE Band66	15	132597	75	#0	QAM64	19.90	22.77	PASS
LTE Band66	20	132072	1	#0	QPSK	23.08	25.30	PASS
LTE Band66	20	132072	1	#Mid	QPSK	23.00	25.22	PASS
LTE Band66	20	132072	1	#Max	QPSK	23.08	25.30	PASS
LTE Band66	20	132072	50	#0	QPSK	22.12	24.34	PASS
LTE Band66	20	132072	50	#Mid	QPSK	22.10	24.32	PASS
LTE Band66	20	132072	50	#Max	QPSK	22.08	24.30	PASS
LTE Band66	20	132072	100	#0	QPSK	22.12	24.34	PASS
LTE Band66	20	132072	1	#0	QAM16	22.23	24.45	PASS
LTE Band66	20	132072	1	#Mid	QAM16	22.22	24.44	PASS
LTE Band66	20	132072	1	#Max	QAM16	22.27	24.49	PASS
LTE Band66	20	132072	50	#0	QAM16	21.16	23.38	PASS
LTE Band66	20	132072	50	#Mid	QAM16	21.16	23.38	PASS
LTE Band66	20	132072	50	#Max	QAM16	21.11	23.33	PASS
LTE Band66	20	132072	100	#0	QAM16	21.13	23.35	PASS
LTE Band66	20	132072	1	#0	QAM64	21.23	23.45	PASS
LTE Band66	20	132072	1	#Mid	QAM64	21.07	23.29	PASS
LTE Band66	20	132072	1	#Max	QAM64	21.33	23.55	PASS
LTE Band66	20	132072	50	#0	QAM64	19.94	22.16	PASS



LTE Band66	20	132072	50	#Mid	QAM64	19.99	22.21	PASS
LTE Band66	20	132072	50	#Max	QAM64	19.98	22.20	PASS
LTE Band66	20	132072	100	#0	QAM64	19.95	22.17	PASS
LTE Band66	20	132322	1	#0	QPSK	23.14	24.71	PASS
LTE Band66	20	132322	1	#Mid	QPSK	23.07	24.64	PASS
LTE Band66	20	132322	1	#Max	QPSK	23.05	24.62	PASS
LTE Band66	20	132322	50	#0	QPSK	22.10	23.67	PASS
LTE Band66	20	132322	50	#Mid	QPSK	22.10	23.67	PASS
LTE Band66	20	132322	50	#Max	QPSK	22.03	23.60	PASS
LTE Band66	20	132322	100	#0	QPSK	22.05	23.62	PASS
LTE Band66	20	132322	1	#0	QAM16	21.91	23.48	PASS
LTE Band66	20	132322	1	#Mid	QAM16	21.89	23.46	PASS
LTE Band66	20	132322	1	#Max	QAM16	21.93	23.50	PASS
LTE Band66	20	132322	50	#0	QAM16	21.07	22.64	PASS
LTE Band66	20	132322	50	#Mid	QAM16	21.06	22.63	PASS
LTE Band66	20	132322	50	#Max	QAM16	21.02	22.59	PASS
LTE Band66	20	132322	100	#0	QAM16	21.09	22.66	PASS
LTE Band66	20	132322	1	#0	QAM64	21.17	22.74	PASS
LTE Band66	20	132322	1	#Mid	QAM64	20.91	22.48	PASS
LTE Band66	20	132322	1	#Max	QAM64	21.06	22.63	PASS
LTE Band66	20	132322	50	#0	QAM64	20.03	21.60	PASS
LTE Band66	20	132322	50	#Mid	QAM64	19.95	21.52	PASS
LTE Band66	20	132322	50	#Max	QAM64	19.92	21.49	PASS
LTE Band66	20	132322	100	#0	QAM64	19.90	21.47	PASS
LTE Band66	20	132572	1	#0	QPSK	23.04	25.91	PASS
LTE Band66	20	132572	1	#Mid	QPSK	22.91	25.78	PASS
LTE Band66	20	132572	1	#Max	QPSK	22.84	25.71	PASS
LTE Band66	20	132572	50	#0	QPSK	22.05	24.92	PASS
LTE Band66	20	132572	50	#Mid	QPSK	22.06	24.93	PASS
LTE Band66	20	132572	50	#Max	QPSK	21.97	24.84	PASS
LTE Band66	20	132572	100	#0	QPSK	22.03	24.90	PASS
LTE Band66	20	132572	1	#0	QAM16	21.87	24.74	PASS
LTE Band66	20	132572	1	#Mid	QAM16	21.68	24.55	PASS
LTE Band66	20	132572	1	#Max	QAM16	21.63	24.50	PASS
LTE Band66	20	132572	50	#0	QAM16	21.10	23.97	PASS
LTE Band66	20	132572	50	#Mid	QAM16	21.11	23.98	PASS
LTE Band66	20	132572	50	#Max	QAM16	21.01	23.88	PASS
LTE Band66	20	132572	100	#0	QAM16	21.04	23.91	PASS
LTE Band66	20	132572	1	#0	QAM64	21.19	24.06	PASS
LTE Band66	20	132572	1	#Mid	QAM64	21.06	23.93	PASS
LTE Band66	20	132572	1	#Max	QAM64	20.99	23.86	PASS
LTE Band66	20	132572	50	#0	QAM64	19.93	22.80	PASS
LTE Band66	20	132572	50	#Mid	QAM64	19.88	22.75	PASS



LTE Band66	20	132572	50	#Max	QAM64	19.95	22.82	PASS
LTE Band66	20	132572	100	#0	QAM64	19.86	22.73	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	ERP (dBm)	Verdict
LTE Band71	5	133147	1	#0	QPSK	23.08	24.24	PASS
LTE Band71	5	133147	1	#Mid	QPSK	23.27	24.43	PASS
LTE Band71	5	133147	1	#Max	QPSK	23.21	24.37	PASS
LTE Band71	5	133147	12	#0	QPSK	22.21	23.37	PASS
LTE Band71	5	133147	12	#Mid	QPSK	22.19	23.35	PASS
LTE Band71	5	133147	12	#Max	QPSK	22.37	23.53	PASS
LTE Band71	5	133147	25	#0	QPSK	22.28	23.44	PASS
LTE Band71	5	133147	1	#0	QAM16	22.32	23.48	PASS
LTE Band71	5	133147	1	#Mid	QAM16	22.49	23.65	PASS
LTE Band71	5	133147	1	#Max	QAM16	22.49	23.65	PASS
LTE Band71	5	133147	12	#0	QAM16	21.20	22.36	PASS
LTE Band71	5	133147	12	#Mid	QAM16	21.19	22.35	PASS
LTE Band71	5	133147	12	#Max	QAM16	21.29	22.45	PASS
LTE Band71	5	133147	25	#0	QAM16	21.26	22.42	PASS
LTE Band71	5	133147	1	#0	QAM64	21.36	22.52	PASS
LTE Band71	5	133147	1	#Mid	QAM64	21.12	22.28	PASS
LTE Band71	5	133147	1	#Max	QAM64	21.19	22.35	PASS
LTE Band71	5	133147	12	#0	QAM64	19.87	21.03	PASS
LTE Band71	5	133147	12	#Mid	QAM64	19.94	21.10	PASS
LTE Band71	5	133147	12	#Max	QAM64	20.00	21.16	PASS
LTE Band71	5	133147	25	#0	QAM64	19.84	21.00	PASS
LTE Band71	5	133297	1	#0	QPSK	22.99	23.32	PASS
LTE Band71	5	133297	1	#Mid	QPSK	23.19	23.52	PASS
LTE Band71	5	133297	1	#Max	QPSK	23.12	23.45	PASS
LTE Band71	5	133297	12	#0	QPSK	22.18	22.51	PASS
LTE Band71	5	133297	12	#Mid	QPSK	22.19	22.52	PASS
LTE Band71	5	133297	12	#Max	QPSK	22.27	22.60	PASS
LTE Band71	5	133297	25	#0	QPSK	22.21	22.54	PASS
LTE Band71	5	133297	1	#0	QAM16	22.40	22.73	PASS
LTE Band71	5	133297	1	#Mid	QAM16	22.57	22.90	PASS
LTE Band71	5	133297	1	#Max	QAM16	22.54	22.87	PASS
LTE Band71	5	133297	12	#0	QAM16	21.23	21.56	PASS
LTE Band71	5	133297	12	#Mid	QAM16	21.30	21.63	PASS
LTE Band71	5	133297	12	#Max	QAM16	21.34	21.67	PASS
LTE Band71	5	133297	25	#0	QAM16	21.24	21.57	PASS
LTE Band71	5	133297	1	#0	QAM64	21.13	21.46	PASS
LTE Band71	5	133297	1	#Mid	QAM64	20.89	21.22	PASS
LTE Band71	5	133297	1	#Max	QAM64	21.01	21.34	PASS



LTE Band71	5	133297	12	#0	QAM64	19.88	20.21	PASS
LTE Band71	5	133297	12	#Mid	QAM64	19.89	20.22	PASS
LTE Band71	5	133297	12	#Max	QAM64	19.95	20.28	PASS
LTE Band71	5	133297	25	#0	QAM64	19.90	20.23	PASS
LTE Band71	5	133447	1	#0	QPSK	22.99	22.09	PASS
LTE Band71	5	133447	1	#Mid	QPSK	23.17	22.27	PASS
LTE Band71	5	133447	1	#Max	QPSK	23.15	22.25	PASS
LTE Band71	5	133447	12	#0	QPSK	22.18	21.28	PASS
LTE Band71	5	133447	12	#Mid	QPSK	22.18	21.28	PASS
LTE Band71	5	133447	12	#Max	QPSK	22.24	21.34	PASS
LTE Band71	5	133447	25	#0	QPSK	22.28	21.38	PASS
LTE Band71	5	133447	1	#0	QAM16	22.41	21.51	PASS
LTE Band71	5	133447	1	#Mid	QAM16	22.57	21.67	PASS
LTE Band71	5	133447	1	#Max	QAM16	22.52	21.62	PASS
LTE Band71	5	133447	12	#0	QAM16	21.19	20.29	PASS
LTE Band71	5	133447	12	#Mid	QAM16	21.19	20.29	PASS
LTE Band71	5	133447	12	#Max	QAM16	21.32	20.42	PASS
LTE Band71	5	133447	25	#0	QAM16	21.30	20.40	PASS
LTE Band71	5	133447	1	#0	QAM64	21.24	20.34	PASS
LTE Band71	5	133447	1	#Mid	QAM64	21.09	20.19	PASS
LTE Band71	5	133447	1	#Max	QAM64	21.14	20.24	PASS
LTE Band71	5	133447	12	#0	QAM64	19.91	19.01	PASS
LTE Band71	5	133447	12	#Mid	QAM64	20.03	19.13	PASS
LTE Band71	5	133447	12	#Max	QAM64	19.95	19.05	PASS
LTE Band71	5	133447	25	#0	QAM64	19.89	18.99	PASS
LTE Band71	10	133172	1	#0	QPSK	23.03	24.19	PASS
LTE Band71	10	133172	1	#Mid	QPSK	22.86	24.02	PASS
LTE Band71	10	133172	1	#Max	QPSK	22.99	24.15	PASS
LTE Band71	10	133172	25	#0	QPSK	22.22	23.38	PASS
LTE Band71	10	133172	25	#Mid	QPSK	22.26	23.42	PASS
LTE Band71	10	133172	25	#Max	QPSK	22.23	23.39	PASS
LTE Band71	10	133172	50	#0	QPSK	22.19	23.35	PASS
LTE Band71	10	133172	1	#0	QAM16	22.36	23.52	PASS
LTE Band71	10	133172	1	#Mid	QAM16	22.29	23.45	PASS
LTE Band71	10	133172	1	#Max	QAM16	22.36	23.52	PASS
LTE Band71	10	133172	25	#0	QAM16	21.32	22.48	PASS
LTE Band71	10	133172	25	#Mid	QAM16	21.34	22.50	PASS
LTE Band71	10	133172	25	#Max	QAM16	21.33	22.49	PASS
LTE Band71	10	133172	50	#0	QAM16	21.21	22.37	PASS
LTE Band71	10	133172	1	#0	QAM64	21.31	22.47	PASS
LTE Band71	10	133172	1	#Mid	QAM64	21.06	22.22	PASS
LTE Band71	10	133172	1	#Max	QAM64	21.12	22.28	PASS
LTE Band71	10	133172	25	#0	QAM64	19.80	20.96	PASS



LTE Band71	10	133172	25	#Mid	QAM64	19.90	21.06	PASS
LTE Band71	10	133172	25	#Max	QAM64	19.93	21.09	PASS
LTE Band71	10	133172	50	#0	QAM64	19.82	20.98	PASS
LTE Band71	10	133297	1	#0	QPSK	23.02	23.35	PASS
LTE Band71	10	133297	1	#Mid	QPSK	22.91	23.24	PASS
LTE Band71	10	133297	1	#Max	QPSK	23.05	23.38	PASS
LTE Band71	10	133297	25	#0	QPSK	22.29	22.62	PASS
LTE Band71	10	133297	25	#Mid	QPSK	22.29	22.62	PASS
LTE Band71	10	133297	25	#Max	QPSK	22.26	22.59	PASS
LTE Band71	10	133297	50	#0	QPSK	22.26	22.59	PASS
LTE Band71	10	133297	1	#0	QAM16	22.33	22.66	PASS
LTE Band71	10	133297	1	#Mid	QAM16	22.21	22.54	PASS
LTE Band71	10	133297	1	#Max	QAM16	22.30	22.63	PASS
LTE Band71	10	133297	25	#0	QAM16	21.35	21.68	PASS
LTE Band71	10	133297	25	#Mid	QAM16	21.35	21.68	PASS
LTE Band71	10	133297	25	#Max	QAM16	21.30	21.63	PASS
LTE Band71	10	133297	50	#0	QAM16	21.21	21.54	PASS
LTE Band71	10	133297	1	#0	QAM64	21.00	21.33	PASS
LTE Band71	10	133297	1	#Mid	QAM64	20.85	21.18	PASS
LTE Band71	10	133297	1	#Max	QAM64	20.93	21.26	PASS
LTE Band71	10	133297	25	#0	QAM64	19.84	20.17	PASS
LTE Band71	10	133297	25	#Mid	QAM64	19.85	20.18	PASS
LTE Band71	10	133297	25	#Max	QAM64	19.87	20.20	PASS
LTE Band71	10	133297	50	#0	QAM64	19.82	20.15	PASS
LTE Band71	10	133422	1	#0	QPSK	23.12	22.71	PASS
LTE Band71	10	133422	1	#Mid	QPSK	23.01	22.60	PASS
LTE Band71	10	133422	1	#Max	QPSK	23.13	22.72	PASS
LTE Band71	10	133422	25	#0	QPSK	22.27	21.86	PASS
LTE Band71	10	133422	25	#Mid	QPSK	22.25	21.84	PASS
LTE Band71	10	133422	25	#Max	QPSK	22.60	22.19	PASS
LTE Band71	10	133422	50	#0	QPSK	22.28	21.87	PASS
LTE Band71	10	133422	1	#0	QAM16	22.08	21.67	PASS
LTE Band71	10	133422	1	#Mid	QAM16	21.97	21.56	PASS
LTE Band71	10	133422	1	#Max	QAM16	21.99	21.58	PASS
LTE Band71	10	133422	25	#0	QAM16	21.26	20.85	PASS
LTE Band71	10	133422	25	#Mid	QAM16	21.23	20.82	PASS
LTE Band71	10	133422	25	#Max	QAM16	21.25	20.84	PASS
LTE Band71	10	133422	50	#0	QAM16	21.24	20.83	PASS
LTE Band71	10	133422	1	#0	QAM64	21.18	20.77	PASS
LTE Band71	10	133422	1	#Mid	QAM64	21.03	20.62	PASS
LTE Band71	10	133422	1	#Max	QAM64	21.04	20.63	PASS
LTE Band71	10	133422	25	#0	QAM64	19.85	19.44	PASS
LTE Band71	10	133422	25	#Mid	QAM64	19.98	19.57	PASS



LTE Band71	10	133422	25	#Max	QAM64	19.96	19.55	PASS
LTE Band71	10	133422	50	#0	QAM64	19.90	19.49	PASS
LTE Band71	15	133197	1	#0	QPSK	23.36	24.52	PASS
LTE Band71	15	133197	1	#Mid	QPSK	23.29	24.45	PASS
LTE Band71	15	133197	1	#Max	QPSK	23.27	24.43	PASS
LTE Band71	15	133197	36	#0	QPSK	22.43	23.59	PASS
LTE Band71	15	133197	36	#Mid	QPSK	22.42	23.58	PASS
LTE Band71	15	133197	36	#Max	QPSK	22.47	23.63	PASS
LTE Band71	15	133197	75	#0	QPSK	22.41	23.57	PASS
LTE Band71	15	133197	1	#0	QAM16	22.72	23.88	PASS
LTE Band71	15	133197	1	#Mid	QAM16	22.65	23.81	PASS
LTE Band71	15	133197	1	#Max	QAM16	22.65	23.81	PASS
LTE Band71	15	133197	36	#0	QAM16	21.50	22.66	PASS
LTE Band71	15	133197	36	#Mid	QAM16	21.45	22.61	PASS
LTE Band71	15	133197	36	#Max	QAM16	21.54	22.70	PASS
LTE Band71	15	133197	75	#0	QAM16	21.43	22.59	PASS
LTE Band71	15	133197	1	#0	QAM64	21.30	22.46	PASS
LTE Band71	15	133197	1	#Mid	QAM64	21.04	22.20	PASS
LTE Band71	15	133197	1	#Max	QAM64	21.09	22.25	PASS
LTE Band71	15	133197	36	#0	QAM64	19.78	20.94	PASS
LTE Band71	15	133197	36	#Mid	QAM64	19.87	21.03	PASS
LTE Band71	15	133197	36	#Max	QAM64	19.90	21.06	PASS
LTE Band71	15	133197	75	#0	QAM64	19.80	20.96	PASS
LTE Band71	15	133297	1	#0	QPSK	23.37	23.70	PASS
LTE Band71	15	133297	1	#Mid	QPSK	23.35	23.68	PASS
LTE Band71	15	133297	1	#Max	QPSK	23.26	23.59	PASS
LTE Band71	15	133297	36	#0	QPSK	22.44	22.77	PASS
LTE Band71	15	133297	36	#Mid	QPSK	22.42	22.75	PASS
LTE Band71	15	133297	36	#Max	QPSK	22.39	22.72	PASS
LTE Band71	15	133297	75	#0	QPSK	22.41	22.74	PASS
LTE Band71	15	133297	1	#0	QAM16	22.63	22.96	PASS
LTE Band71	15	133297	1	#Mid	QAM16	22.60	22.93	PASS
LTE Band71	15	133297	1	#Max	QAM16	22.56	22.89	PASS
LTE Band71	15	133297	36	#0	QAM16	21.44	21.77	PASS
LTE Band71	15	133297	36	#Mid	QAM16	21.46	21.79	PASS
LTE Band71	15	133297	36	#Max	QAM16	21.43	21.76	PASS
LTE Band71	15	133297	75	#0	QAM16	21.42	21.75	PASS
LTE Band71	15	133297	1	#0	QAM64	20.96	21.29	PASS
LTE Band71	15	133297	1	#Mid	QAM64	20.84	21.17	PASS
LTE Band71	15	133297	1	#Max	QAM64	20.88	21.21	PASS
LTE Band71	15	133297	36	#0	QAM64	19.80	20.13	PASS
LTE Band71	15	133297	36	#Mid	QAM64	19.80	20.13	PASS
LTE Band71	15	133297	36	#Max	QAM64	19.84	20.17	PASS



LTE Band71	15	133297	75	#0	QAM64	19.78	20.11	PASS
LTE Band71	15	133397	1	#0	QPSK	23.44	23.03	PASS
LTE Band71	15	133397	1	#Mid	QPSK	23.36	22.95	PASS
LTE Band71	15	133397	1	#Max	QPSK	23.36	22.95	PASS
LTE Band71	15	133397	36	#0	QPSK	22.44	22.03	PASS
LTE Band71	15	133397	36	#Mid	QPSK	22.43	22.02	PASS
LTE Band71	15	133397	36	#Max	QPSK	22.39	21.98	PASS
LTE Band71	15	133397	75	#0	QPSK	22.42	22.01	PASS
LTE Band71	15	133397	1	#0	QAM16	22.53	22.12	PASS
LTE Band71	15	133397	1	#Mid	QAM16	22.48	22.07	PASS
LTE Band71	15	133397	1	#Max	QAM16	22.41	22.00	PASS
LTE Band71	15	133397	36	#0	QAM16	21.43	21.02	PASS
LTE Band71	15	133397	36	#Mid	QAM16	21.42	21.01	PASS
LTE Band71	15	133397	36	#Max	QAM16	21.37	20.96	PASS
LTE Band71	15	133397	75	#0	QAM16	21.41	21.00	PASS
LTE Band71	15	133397	1	#0	QAM64	21.16	20.75	PASS
LTE Band71	15	133397	1	#Mid	QAM64	21.00	20.59	PASS
LTE Band71	15	133397	1	#Max	QAM64	21.00	20.59	PASS
LTE Band71	15	133397	36	#0	QAM64	19.82	19.41	PASS
LTE Band71	15	133397	36	#Mid	QAM64	19.94	19.53	PASS
LTE Band71	15	133397	36	#Max	QAM64	19.92	19.51	PASS
LTE Band71	15	133397	75	#0	QAM64	19.85	19.44	PASS
LTE Band71	20	133222	1	#0	QPSK	23.34	24.50	PASS
LTE Band71	20	133222	1	#Mid	QPSK	23.36	24.52	PASS
LTE Band71	20	133222	1	#Max	QPSK	23.41	24.57	PASS
LTE Band71	20	133222	50	#0	QPSK	22.33	23.49	PASS
LTE Band71	20	133222	50	#Mid	QPSK	22.30	23.46	PASS
LTE Band71	20	133222	50	#Max	QPSK	22.45	23.61	PASS
LTE Band71	20	133222	100	#0	QPSK	22.43	23.59	PASS
LTE Band71	20	133222	1	#0	QAM16	22.61	23.77	PASS
LTE Band71	20	133222	1	#Mid	QAM16	22.62	23.78	PASS
LTE Band71	20	133222	1	#Max	QAM16	22.63	23.79	PASS
LTE Band71	20	133222	50	#0	QAM16	21.36	22.52	PASS
LTE Band71	20	133222	50	#Mid	QAM16	21.35	22.51	PASS
LTE Band71	20	133222	50	#Max	QAM16	21.50	22.66	PASS
LTE Band71	20	133222	100	#0	QAM16	21.40	22.56	PASS
LTE Band71	20	133222	1	#0	QAM64	21.27	22.43	PASS
LTE Band71	20	133222	1	#Mid	QAM64	21.03	22.19	PASS
LTE Band71	20	133222	1	#Max	QAM64	21.07	22.23	PASS
LTE Band71	20	133222	50	#0	QAM64	19.75	20.91	PASS
LTE Band71	20	133222	50	#Mid	QAM64	19.85	21.01	PASS
LTE Band71	20	133222	50	#Max	QAM64	19.87	21.03	PASS
LTE Band71	20	133222	100	#0	QAM64	19.77	20.93	PASS



LTE Band71	20	133322	1	#0	QPSK	23.41	23.74	PASS
LTE Band71	20	133322	1	#Mid	QPSK	23.38	23.71	PASS
LTE Band71	20	133322	1	#Max	QPSK	23.41	23.74	PASS
LTE Band71	20	133322	50	#0	QPSK	22.35	22.68	PASS
LTE Band71	20	133322	50	#Mid	QPSK	22.37	22.70	PASS
LTE Band71	20	133322	50	#Max	QPSK	22.43	22.76	PASS
LTE Band71	20	133322	100	#0	QPSK	22.41	22.74	PASS
LTE Band71	20	133322	1	#0	QAM16	22.35	22.68	PASS
LTE Band71	20	133322	1	#Mid	QAM16	22.25	22.58	PASS
LTE Band71	20	133322	1	#Max	QAM16	22.28	22.61	PASS
LTE Band71	20	133322	50	#0	QAM16	21.32	21.65	PASS
LTE Band71	20	133322	50	#Mid	QAM16	21.32	21.65	PASS
LTE Band71	20	133322	50	#Max	QAM16	21.43	21.76	PASS
LTE Band71	20	133322	100	#0	QAM16	21.42	21.75	PASS
LTE Band71	20	133322	1	#0	QAM64	20.92	21.25	PASS
LTE Band71	20	133322	1	#Mid	QAM64	20.80	21.13	PASS
LTE Band71	20	133322	1	#Max	QAM64	20.87	21.20	PASS
LTE Band71	20	133322	50	#0	QAM64	19.75	20.08	PASS
LTE Band71	20	133322	50	#Mid	QAM64	19.76	20.09	PASS
LTE Band71	20	133322	50	#Max	QAM64	19.79	20.12	PASS
LTE Band71	20	133322	100	#0	QAM64	19.73	20.06	PASS
LTE Band71	20	133372	1	#0	QPSK	23.32	22.91	PASS
LTE Band71	20	133372	1	#Mid	QPSK	23.29	22.88	PASS
LTE Band71	20	133372	1	#Max	QPSK	23.32	22.91	PASS
LTE Band71	20	133372	50	#0	QPSK	22.37	21.96	PASS
LTE Band71	20	133372	50	#Mid	QPSK	22.37	21.96	PASS
LTE Band71	20	133372	50	#Max	QPSK	22.44	22.03	PASS
LTE Band71	20	133372	100	#0	QPSK	22.38	21.97	PASS
LTE Band71	20	133372	1	#0	QAM16	22.24	21.83	PASS
LTE Band71	20	133372	1	#Mid	QAM16	22.18	21.77	PASS
LTE Band71	20	133372	1	#Max	QAM16	22.16	21.75	PASS
LTE Band71	20	133372	50	#0	QAM16	21.42	21.01	PASS
LTE Band71	20	133372	50	#Mid	QAM16	21.40	20.99	PASS
LTE Band71	20	133372	50	#Max	QAM16	21.51	21.10	PASS
LTE Band71	20	133372	100	#0	QAM16	21.42	21.01	PASS
LTE Band71	20	133372	1	#0	QAM64	21.13	20.72	PASS
LTE Band71	20	133372	1	#Mid	QAM64	20.98	20.57	PASS
LTE Band71	20	133372	1	#Max	QAM64	20.97	20.56	PASS
LTE Band71	20	133372	50	#0	QAM64	19.78	19.37	PASS
LTE Band71	20	133372	50	#Mid	QAM64	19.91	19.50	PASS
LTE Band71	20	133372	50	#Max	QAM64	19.88	19.47	PASS
LTE Band71	20	133372	100	#0	QAM64	19.81	19.40	PASS



CA_7C	PCC	SCC	PCC RB		SCC1 RB		Maximum Output Power (dBm)			EIRP(dBm)		
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10MHz+20MHz	2505.5	2519.9	1	49	1	0	24.35	23.44	22.62	26.45	25.54	24.72
			50	0	100	0	21.52	20.61	20.45	23.62	22.71	22.55
	2525.6	2540	1	49	1	0	24.24	23.43	22.71	26.80	25.99	25.27
			50	0	100	0	21.53	20.59	20.53	24.09	23.15	23.09
	2545.6	2560	1	49	1	0	24.39	23.28	22.29	27.22	26.11	25.12
			50	0	100	0	21.52	20.54	20.55	24.35	23.37	23.38
20MHz+10MHz	2510	2524.4	1	99	1	0	24.48	23.77	22.59	26.58	25.87	24.69
			100	0	50	0	21.74	20.68	20.69	23.84	22.78	22.79
	2530.1	2544.5	1	99	1	0	24.38	23.69	22.41	26.94	26.25	24.97
			100	0	50	0	21.76	20.83	20.75	24.32	23.39	23.31
	2550.1	2564.5	1	99	1	0	24.34	23.65	22.82	27.31	26.62	25.79
			100	0	50	0	21.63	20.61	20.58	24.60	23.58	23.55
15MHz+15MHz	2507.5	2522.5	1	74	1	0	24.53	23.61	22.14	26.63	25.71	24.24
			75	0	75	0	21.59	20.54	20.64	23.69	22.64	22.74
	2527.5	2542.5	1	74	1	0	24.17	23.63	22.61	26.73	26.19	25.17
			75	0	75	0	21.68	20.63	20.57	24.23	23.18	23.12
	2547.5	2562.5	1	74	1	0	24.19	23.18	22.63	27.16	26.15	25.60
			75	0	75	0	21.57	20.49	20.56	24.54	23.46	23.53
15MHz+20MHz	2507.8	2524.9	1	74	1	0	24.44	23.72	22.73	26.54	25.82	24.83
			75	0	100	0	21.64	20.55	20.51	23.74	22.65	22.61
	2525.3	2542.4	1	74	1	0	24.23	23.65	22.59	26.79	26.21	25.15
			75	0	100	0	21.67	20.60	20.64	24.22	23.15	23.19
	2542.9	2560	1	74	1	0	24.24	23.52	22.58	27.21	26.49	25.55
			75	0	100	0	21.67	20.57	20.72	24.64	23.54	23.69
20MHz+15MHz	2510	2527.1	1	99	1	0	24.29	23.68	22.67	26.39	25.78	24.77
			100	0	75	0	20.57	20.58	20.49	22.67	22.68	22.59
	2527.6	2544.7	1	99	1	0	24.31	23.74	22.69	26.87	26.30	25.25
			100	0	75	0	21.66	20.68	20.65	24.22	23.24	23.21
	2545.1	2562.2	1	99	1	0	24.25	23.61	22.87	27.22	26.58	25.84
			100	0	75	0	21.60	20.53	20.59	24.57	23.50	23.56
20MHz+20MHz	2510	2529.8	1	99	1	0	24.30	23.69	22.77	26.40	25.79	24.87
			1	0	1	99	15.01	15.23	14.97	17.11	17.33	17.07
			100	0	100	0	21.49	20.57	19.91	23.59	22.67	22.01
	2525.1	2544.9	1	99	1	0	24.31	23.79	23.18	26.87	26.35	25.74
			1	0	1	99	15.09	15.81	15.01	17.65	18.37	17.57
			100	0	100	0	21.62	20.65	20.47	24.18	23.21	23.03
	2540.2	2560	1	99	1	0	24.38	23.61	22.87	27.35	26.58	25.84
			1	0	1	99	15.02	15.67	14.98	17.99	18.64	17.95



			100	0	100	0	21.57	20.59	20.51	24.54	23.56	23.48
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CA_38C	PCC	SCC	PCC RB		SCC1 RB		Maximum Output Power (dBm)			EIRP(dBm)		
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15MHz+15MHz	2577.5	2592.5	1	74	1	0	24.28	23.47	22.66	26.85	26.04	25.23
			75	0	75	0	21.63	20.56	20.58	24.20	23.13	23.15
	2587.5	2602.5	1	74	1	0	24.27	23.48	22.82	27.43	26.64	25.98
			75	0	75	0	21.42	20.46	20.43	24.58	23.62	23.59
	2597.5	2612.5	1	74	1	0	24.25	23.48	22.74	27.77	27.00	26.26
			75	0	75	0	21.54	20.58	20.57	25.06	24.10	24.09
20MHz+20MHz	2580	2599.8	1	99	1	0	24.55	23.57	22.49	27.10	26.12	25.04
			1	0	1	99	14.65	15.09	14.96	17.20	17.64	17.51
			100	0	100	0	21.37	20.36	20.35	23.92	22.91	22.90
	2585.1	2604.9	1	99	1	0	24.34	23.57	22.61	27.50	26.73	25.77
			1	0	1	99	14.71	15.04	14.69	17.87	18.20	17.85
			100	0	100	0	21.36	20.36	20.45	24.52	23.52	23.61
	2590.2	2610	1	99	1	0	24.44	23.46	22.68	27.96	26.98	26.20
			1	0	1	99	14.58	15.03	14.68	18.10	18.55	18.20
			100	0	100	0	21.41	20.37	20.31	24.93	23.89	23.83



CA_41C	PCC	SCC	PCC RB		SCC1 RB		Maximum Output Power (dBm)			EIRP(dBm)			
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
5MHz+20MHz	2499.3	2511	1	24	1	0	24.19	23.34	22.65	26.42	25.57	24.88	
			25	0	100	0	21.58	20.61	20.48	23.81	22.84	22.71	
	2583.8	2595.5	1	24	1	0	24.12	23.35	22.49	26.89	26.12	25.26	
			25	0	100	0	21.42	20.42	20.39	24.19	23.19	23.16	
	2668.3	2680	1	24	1	0	23.84	23.02	22.21	26.61	25.79	24.98	
			25	0	100	0	21.04	20.12	20.06	23.81	22.89	22.83	
20MHz+5MHz	2506	2517.7	1	99	1	0	24.15	23.57	22.66	26.25	25.67	24.76	
			1	0	1	24	14.32	15.41	14.27	16.42	17.51	16.37	
			100	0	25	0	23.22	21.53	21.50	25.32	23.63	23.60	
	2590.5	2602.2	1	99	1	0	24.09	23.31	22.49	26.86	26.08	25.26	
			1	0	1	24	14.83	15.18	14.89	17.60	17.95	17.66	
			100	0	25	0	21.77	20.83	20.75	24.54	23.60	23.52	
	2675	2686.7	1	99	1	0	24.11	23.39	22.48	26.24	25.52	24.61	
			1	0	1	24	14.56	14.75	14.54	16.69	16.88	16.67	
			100	0	25	0	21.75	20.82	20.53	23.88	22.95	22.66	
	10MHz+20MHz	2501.5	2515.9	1	49	1	0	24.36	23.42	22.39	26.59	25.65	24.62
				50	0	100	0	21.51	20.57	20.41	23.74	22.80	22.64
		2583.6	2598	1	49	1	0	24.43	23.42	22.57	27.20	26.19	25.34
50				0	100	0	21.48	20.49	20.41	24.25	23.26	23.18	
2665.6		2680	1	49	1	0	24.11	23.21	22.45	26.88	25.98	25.22	
			50	0	100	0	21.24	20.21	20.16	24.01	22.98	22.93	
20MHz+10MHz	2506	2520.4	1	99	1	0	24.42	23.56	22.45	26.52	25.66	24.55	
			100	0	50	0	21.84	20.76	20.82	23.94	22.86	22.92	
	2588.1	2602.5	1	99	1	0	24.55	23.59	22.67	27.32	26.36	25.44	
			100	0	50	0	21.67	20.73	20.69	24.44	23.50	23.46	
	2670.1	2684.5	1	99	1	0	24.29	23.59	22.52	26.42	25.72	24.65	
			100	0	50	0	21.48	20.43	20.44	23.61	22.56	22.57	
15MHz+15MHz	2503.5	2518.5	1	74	1	0	24.28	23.43	22.54	26.51	25.66	24.77	
			75	0	75	0	21.54	20.60	20.55	23.77	22.83	22.78	
	2585.5	2600.5	1	74	1	0	24.33	23.43	22.58	27.10	26.20	25.35	
			75	0	75	0	21.59	20.51	20.50	24.36	23.28	23.27	
	2667.5	2682.5	1	74	1	0	24.15	23.24	22.39	26.28	25.37	24.52	
			75	0	75	0	21.47	20.53	20.48	23.60	22.66	22.61	
15MHz+20MHz	2503.8	2520.9	1	74	1	0	24.39	23.65	22.61	26.62	25.88	24.84	
			75	0	100	0	21.61	20.59	20.64	23.84	22.82	22.87	
	2583.3	2600.4	1	74	1	0	24.38	23.53	22.67	27.15	26.30	25.44	
			75	0	100	0	21.56	20.53	20.48	24.33	23.30	23.25	
	2662.9	2680	1	74	1	0	24.27	23.43	22.52	26.40	25.56	24.65	



			75	0	100	0	21.53	20.58	20.48	23.66	22.71	22.61
20MHz+15MHz	2506	2523.1	1	99	1	0	24.47	23.59	22.46	26.57	25.69	24.56
			100	0	75	0	21.67	20.69	20.72	23.77	22.79	22.82
	2585.6	2602.7	1	99	1	0	24.51	23.68	22.59	27.28	26.45	25.36
			100	0	75	0	21.62	20.66	20.54	24.39	23.43	23.31
	2665.1	2682.2	1	99	1	0	24.35	23.53	22.71	26.48	25.66	24.84
			100	0	75	0	21.59	20.56	20.53	23.72	22.69	22.66
20MHz+20MHz	2506	2525.8	1	99	1	0	24.37	23.56	22.69	26.47	25.66	24.79
			1	0	1	99	15.02	15.41	15.01	17.12	17.51	17.11
			100	0	100	0	21.64	20.69	20.64	23.74	22.79	22.74
	2583.1	2602.9	1	99	1	0	24.43	23.59	22.53	27.20	26.36	25.30
			1	0	1	99	14.84	15.21	14.85	17.61	17.98	17.62
			100	0	100	0	21.49	20.53	20.51	24.26	23.30	23.28
	2660.2	2680	1	99	1	0	24.18	23.48	22.61	26.31	25.61	24.74
			1	0	1	99	15.08	15.46	15.10	17.21	17.59	17.23
			100	0	100	0	21.53	20.59	20.54	23.66	22.72	22.67

CA_66B	PCC	SCC	PCC RB		SCC1 RB		Maximum Output Power (dBm)			EIRP(dBm)		
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5MHz+5MHz	1712.5	1717.3	1	24	1	0	23.21	22.29	21.43	25.89	24.97	24.11
			25	0	25	0	19.72	18.81	18.69	22.40	21.49	21.37
	1752.6	1757.4	1	24	1	0	23.59	22.72	21.63	25.16	24.29	23.20
			25	0	25	0	20.87	19.89	19.87	22.44	21.46	21.44
	1772.7	1777.5	1	24	1	0	23.51	22.56	21.67	26.47	25.52	24.63
			25	0	25	0	20.79	19.86	19.81	23.75	22.82	22.77
5MHz+10MHz	1712.8	1720	1	24	1	0	23.57	22.78	21.86	26.25	25.46	24.54
			25	0	50	0	20.98	20.08	19.97	23.66	22.76	22.65
	1750.3	1757.5	1	24	1	0	23.53	22.67	21.59	25.10	24.24	23.16
			25	0	50	0	20.94	19.92	19.87	22.51	21.49	21.44
	1767.8	1775	1	24	1	0	23.49	22.56	21.78	26.45	25.52	24.74
			25	0	50	0	20.93	19.95	19.90	23.89	22.91	22.86
10MHz+5MHz	1715	1722.2	1	49	1	0	23.78	22.87	21.77	26.00	25.09	23.99
			50	0	25	0	21.18	20.28	20.13	23.40	22.50	22.35
	1752.5	1759.7	1	49	1	0	23.75	22.73	21.61	25.32	24.30	23.18
			50	0	25	0	21.20	20.20	20.14	22.77	21.77	21.71
	1770	1777.2	1	49	1	0	23.58	22.84	21.75	26.54	25.80	24.71
			50	0	25	0	21.09	20.16	20.12	24.05	23.12	23.08
5MHz+15MHz	1713	1722.3	1	24	1	0	23.73	22.85	21.73	26.41	25.53	24.41
			25	0	75	0	20.93	20.01	19.94	23.61	22.69	22.62
	1748.1	1757.4	1	24	1	0	23.71	22.83	21.78	25.28	24.40	23.35
			25	0	75	0	20.96	19.95	19.92	22.53	21.52	21.49



	1763.2	1772.5	1	24	1	0	23.66	22.67	21.69	26.62	25.63	24.65
			25	0	75	0	20.89	19.96	19.88	23.85	22.92	22.84
15MHz+5MHz	1717.5	1726.8	1	74	1	0	23.89	23.28	21.49	26.11	25.50	23.71
			75	0	25	0	21.30	20.32	20.33	23.52	22.54	22.55
	1752.6	1761.9	1	74	1	0	23.54	23.17	21.55	25.11	24.74	23.12
			75	0	25	0	21.39	20.47	20.44	22.96	22.04	22.01
	1767.7	1777	1	74	1	0	23.34	22.96	21.79	26.21	25.83	24.66
			75	0	25	0	21.35	20.39	20.47	24.22	23.26	23.34
10MHz+10MHz	1715	1724.9	1	49	1	0	23.79	22.49	21.59	26.01	24.71	23.81
			50	0	50	0	20.98	20.06	20.04	23.20	22.28	22.26
	1750.1	1760	1	49	1	0	23.68	22.83	21.72	25.25	24.40	23.29
			50	0	50	0	21.04	20.01	19.99	22.61	21.58	21.56
	1765.1	1775	1	49	1	0	23.67	22.90	21.58	26.63	25.86	24.54
			50	0	50	0	21.01	20.08	20.04	23.97	23.04	23.00

CA_66C	PCC	SCC	PCC RB		SCC1 RB		Maximum Output Power (dBm)			EIRP(dBm)		
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10MHz+15MHz	1715.3	1727.3	1	49	1	0	24.15	23.33	22.48	26.37	25.55	24.70
			50	0	75	0	21.39	20.38	20.45	23.61	22.60	22.67
	1747.9	1759.9	1	49	1	0	24.33	23.43	22.27	25.90	25.00	23.84
			50	0	75	0	21.48	20.47	20.44	23.05	22.04	22.01
	1760.5	1772.5	1	49	1	0	24.39	23.36	22.41	27.35	26.32	25.37
			50	0	75	0	21.45	20.51	20.42	24.41	23.47	23.38
15MHz+10MHz	1717.5	1729.5	1	74	1	0	24.53	23.70	22.61	26.75	25.92	24.83
			75	0	50	0	21.66	20.58	20.56	23.88	22.80	22.78
	1750.1	1762.1	1	74	1	0	24.34	23.31	22.29	25.91	24.88	23.86
			75	0	50	0	21.60	20.54	20.57	23.17	22.11	22.14
	1762.7	1774.7	1	74	1	0	24.38	23.65	22.43	27.25	26.52	25.30
			75	0	50	0	21.63	20.47	20.58	24.50	23.34	23.45
10MHz+20MHz	1715.5	1729.9	1	49	1	0	24.17	23.35	22.24	26.39	25.57	24.46
			50	0	100	0	21.45	20.48	20.42	23.67	22.70	22.64
	1745.6	1760	1	49	1	0	24.06	23.32	22.51	25.63	24.89	24.08
			50	0	100	0	21.44	20.47	20.46	23.01	22.04	22.03
	1755.6	1770	1	49	1	0	24.13	23.35	22.61	27.09	26.31	25.57
			50	0	100	0	21.42	20.43	20.47	24.38	23.39	23.43
20MHz+10MHz	1720	1734.4	1	99	1	0	24.42	23.64	22.49	26.64	25.86	24.71
			100	0	50	0	21.68	20.71	20.64	23.90	22.93	22.86
	1750.1	1764.5	1	99	1	0	24.37	23.55	22.66	25.94	25.12	24.23
			100	0	50	0	21.61	20.59	20.59	23.18	22.16	22.16
	1760.1	1774.5	1	99	1	0	24.13	23.60	22.64	27.00	26.47	25.51
			100	0	50	0	21.65	20.52	20.62	24.52	23.39	23.49



15MHz+15MHz	1717.5	1732.5	1	74	1	0	24.11	23.52	22.45	26.33	25.74	24.67
			75	0	75	0	21.51	20.46	20.51	23.73	22.68	22.73
	1747.5	1762.5	1	74	1	0	24.33	23.54	22.47	25.90	25.11	24.04
			75	0	75	0	21.53	20.49	20.52	23.10	22.06	22.09
	1757.5	1772.5	1	74	1	0	24.04	23.51	22.65	26.91	26.38	25.52
			75	0	75	0	21.52	20.46	20.49	24.39	23.33	23.36
15MHz+20MHz	1717.8	1734.9	1	74	1	0	24.06	23.25	22.34	26.28	25.47	24.56
			75	0	100	0	21.49	20.51	20.47	23.71	22.73	22.69
	1745.3	1762.4	1	74	1	0	24.33	23.49	22.52	25.90	25.06	24.09
			75	0	100	0	21.52	20.46	20.51	23.09	22.03	22.08
	1752.9	1770	1	74	1	0	24.12	23.51	22.58	26.99	26.38	25.45
			75	0	100	0	21.48	20.50	20.42	24.35	23.37	23.29
20MHz+15MHz	1720	1737.1	1	99	1	0	24.25	23.63	22.71	26.47	25.85	24.93
			100	0	75	0	21.56	20.53	20.52	23.78	22.75	22.74
	1747.6	1764.7	1	99	1	0	24.32	23.69	22.54	25.89	25.26	24.11
			100	0	75	0	21.47	20.47	20.59	23.04	22.04	22.16
	1755.1	1772.2	1	99	1	0	24.18	23.72	22.42	27.05	26.59	25.29
			100	0	75	0	21.51	20.56	20.49	24.38	23.43	23.36
20MHz+5MHz	1720	1731.7	1	99	1	0	23.49	23.11	22.72	25.71	25.33	24.94
			100	0	25	0	21.33	20.40	20.33	23.55	22.62	22.55
	1752.5	1764.2	1	99	1	0	23.74	23.38	22.75	25.31	24.95	24.32
			100	0	25	0	21.73	20.86	20.83	23.30	22.43	22.40
	1765	1776.7	1	99	1	0	23.36	22.98	21.79	26.23	25.85	24.66
			100	0	25	0	21.57	20.67	20.63	24.44	23.54	23.50
5MHz+20MHz	1713.3	1725	1	24	1	0	24.15	23.14	22.91	26.83	25.82	25.59
			25	0	100	0	21.39	20.43	20.38	24.07	23.11	23.06
	1745.8	1757.5	1	24	1	0	24.18	23.12	22.59	25.75	24.69	24.16
			25	0	100	0	21.41	20.36	20.41	22.98	21.93	21.98
	1758.3	1770	1	24	1	0	24.19	23.10	22.43	27.15	26.06	25.39
			25	0	100	0	21.36	20.47	20.38	24.32	23.43	23.34
20MHz+20MHz	1720	1739.8	1	99	1	0	24.18	23.56	22.43	26.40	25.78	24.65
			1	0	1	99	15.03	15.56	14.99	17.25	17.78	17.21
			100	0	100	0	21.51	20.56	20.45	23.73	22.78	22.67
	1745.1	1764.9	1	99	1	0	24.23	23.62	22.57	25.80	25.19	24.14
			1	0	1	99	15.01	15.62	14.93	16.58	17.19	16.50
			100	0	100	0	21.55	20.41	20.53	23.12	21.98	22.10
	1750.2	1770	1	99	1	0	24.15	23.66	22.48	27.02	26.53	25.35
			1	0	1	99	14.91	15.52	15.04	17.78	18.39	17.91
			100	0	100	0	21.46	20.47	20.43	24.33	23.34	23.30



CA-41A-41C	PCC	SCC1	SCC2	PCC RB		SCC1 RB		SCC2 RB		Maximum Output Power (dBm)			EIRP (dBm)		
	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5MHz+20MHz +20MHz	2498.5	2660.2	2680	1	24	1	0	1	0	22.23	21.12	19.03	24.46	23.35	21.26
				25	0	100	0	100	0	20.42	19.40	19.38	22.65	21.63	21.61
	2506	2668.3	2680	1	0	1	24	1	0	22.19	21.21	19.11	24.96	23.98	21.88
				100	0	25	0	100	0	20.16	19.16	19.24	22.93	21.93	22.01
	2506	2675	2686.7	1	0	1	0	1	24	22.29	21.09	19.15	25.06	23.86	21.92
				100	0	100	0	25	0	20.18	19.24	19.26	22.95	22.01	22.03
10MHz+20MHz +20MHz	2501	2660.2	2680	1	49	1	0	1	0	22.26	21.13	19.02	24.49	23.36	21.25
				50	0	100	0	100	0	20.40	19.32	19.29	22.63	21.55	21.52
	2506	2665.6	2680	1	0	1	49	1	0	22.22	21.05	18.93	24.99	23.82	21.7
				100	0	50	0	100	0	20.19	19.27	19.22	22.96	22.04	21.99
	2605	2670.1	2684.5	1	0	1	0	1	49	22.36	21.18	19.04	25.13	23.95	21.81
				100	0	100	0	50	0	20.37	19.34	19.28	23.14	22.11	22.05
15MHz+20MHz +20MHz	2503.5	2660.2	2680	1	74	1	0	1	0	22.56	21.21	19.09	24.79	23.44	21.32
				75	0	100	0	100	0	20.48	19.35	19.36	22.71	21.58	21.59
	2506	2662.9	2680	1	0	1	74	1	0	22.13	21.04	18.98	24.9	23.81	21.75
				100	0	75	0	100	0	20.32	19.28	19.34	23.09	22.05	22.11
	2506	2665.1	2682.2	1	0	1	0	1	74	22.41	21.11	19.01	24.54	23.24	21.14
				100	0	100	0	75	0	20.26	19.43	19.34	22.39	21.56	21.47
20MHz+20MHz +20MHz	2506	2660.2	2680	1	99	1	0	1	0	22.15	21.14	19.06	24.92	23.91	21.83
				100	0	100	0	100	0	20.38	19.31	19.42	23.15	22.08	22.19

CA_41D	PCC	SCC1	SCC2	PCC RB		SCC1 RB		SCC2 RB		Maximum Output Power (dBm)			EIRP (dBm)		
	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10MHz+15MHz +20MHz	2501.5	2513.5	2530.6	1	49	1	0	1	0	22.44	21.11	19.35	24.54	23.21	21.45
				50	0	75	0	100	0	20.42	19.38	19.39	22.52	21.48	21.49
	2501.5	2515.9	2533	1	49	1	0	1	0	22.21	20.99	19.27	24.31	23.09	21.37
				50	0	75	0	100	0	20.31	19.26	19.28	22.41	21.36	21.38
	2503.8	2515.8	2530.2	1	74	1	0	1	0	22.30	21.09	19.24	24.40	23.19	21.34
				75	0	50	0	100	0	20.32	19.26	19.28	22.42	21.36	21.38
	2530.8	2520.9	2535.3	1	74	1	0	1	0	22.40	21.15	19.35	24.50	23.25	21.45
				75	0	50	0	100	0	20.28	19.23	19.24	22.38	21.33	21.34
	2506	2520.4	2532.4	1	99	1	0	1	0	22.18	20.96	19.12	24.28	23.06	21.22
				100	0	50	0	75	0	20.33	19.27	19.24	22.43	21.37	21.34
	2506	2523.1	2535.1	1	99	1	0	1	0	22.24	20.98	19.23	24.34	23.08	21.33
				100	0	50	0	75	0	20.35	19.25	19.26	22.45	21.35	21.36
	2576.2	2588.2	2605.3	1	49	1	0	1	0	22.21	20.75	19.01	25.04	23.58	21.84



			50	0	75	0	100	0	20.20	19.12	19.14	23.03	21.95	21.97	
	2576.1	2590.5	2607.6	1	49	1	0	1	0	22.15	21.05	18.92	24.98	23.88	21.75
				50	0	75	0	100	0	20.21	19.16	19.13	23.04	21.99	21.96
	2578.7	2590.7	2605.1	1	74	1	0	1	0	22.42	21.22	19.03	25.25	24.05	21.86
				75	0	50	0	100	0	20.28	19.19	19.25	23.11	22.02	22.08
	2578.4	2595.5	2609.9	1	74	1	0	1	0	22.17	21.16	19.11	25.00	23.99	21.94
				75	0	50	0	100	0	20.23	19.15	19.20	23.06	21.98	22.03
	2580.9	2595.3	2607.3	1	99	1	0	1	0	22.43	21.17	19.07	25.26	24.00	21.90
				100	0	50	0	75	0	20.28	19.28	19.27	23.11	22.11	22.10
	2580.7	2597.8	2609.8	1	99	1	0	1	0	22.70	21.77	19.69	25.53	24.60	22.52
				100	0	50	0	75	0	20.75	19.73	19.82	23.58	22.56	22.65
	2650.9	2662.9	2680	1	49	1	0	1	0	22.50	21.33	19.18	24.81	23.64	21.49
				50	0	75	0	100	0	20.58	19.56	19.55	22.89	21.87	21.86
	2650.7	2665.1	2682.2	1	49	1	0	1	0	22.44	21.34	19.28	24.75	23.65	21.59
				50	0	75	0	100	0	20.55	19.61	19.59	22.86	21.92	21.90
	2653.6	2665.6	2680	1	74	1	0	1	0	22.41	21.25	19.13	24.72	23.56	21.44
				75	0	50	0	100	0	20.49	19.55	19.49	22.80	21.86	21.80
	2653	2670.1	2684.5	1	74	1	0	1	0	22.29	21.27	19.15	24.60	23.58	21.46
				75	0	50	0	100	0	20.39	19.46	19.48	22.70	21.77	21.79
	2655.8	2670.2	2682.2	1	99	1	0	1	0	22.15	21.10	19.02	24.46	23.41	21.33
				100	0	50	0	75	0	20.54	19.52	19.55	22.85	21.83	21.86
	2655.4	2672.5	2684.5	1	99	1	0	1	0	22.24	21.11	19.11	24.55	23.42	21.42
				100	0	50	0	75	0	20.45	19.47	19.41	22.76	21.78	21.72
10MHz+20MHz +20MHz	2501.5	2515.9	2535.7	1	49	1	0	1	0	22.31	20.77	19.17	24.54	23.00	21.40
				50	0	100	0	100	0	20.27	19.24	19.28	22.50	21.47	21.51
	2506	2520.4	2534.8	1	99	1	0	1	0	22.19	20.82	19.11	24.42	23.05	21.34
				100	0	50	0	100	0	20.31	19.28	19.30	22.54	21.51	21.53
	2506	2525.8	2540.2	1	99	1	0	1	0	22.72	21.69	19.58	24.95	23.92	21.81
				100	0	100	0	50	0	20.74	19.74	19.68	22.97	21.97	21.91
	2573.7	2588.1	2607.9	1	49	1	0	1	0	22.57	21.61	19.53	25.40	24.44	22.36
				50	0	100	0	100	0	20.68	19.68	19.71	23.51	22.51	22.54
	2578.6	2593	2607.4	1	99	1	0	1	0	22.79	21.73	19.62	25.62	24.56	22.45
				100	0	50	0	100	0	20.82	19.81	19.83	23.65	22.64	22.66
	2578.2	2598	2612.4	1	99	1	0	1	0	22.71	21.72	19.64	25.54	24.55	22.47
				100	0	100	0	50	0	20.80	19.73	19.70	23.63	22.56	22.53
	2645.8	2660.2	2680	1	49	1	0	1	0	22.51	21.42	19.34	24.82	23.73	21.65
				50	0	100	0	100	0	20.67	19.66	19.68	22.98	21.97	21.99
2651.2	2665.6	2680	1	99	1	0	1	0	22.29	21.23	19.08	24.60	23.54	21.39	
			100	0	50	0	100	0	20.50	19.58	19.59	22.81	21.89	21.90	
2650.3	2670.1	2684.5	1	99	1	0	1	0	22.31	21.26	19.26	24.62	23.57	21.57	
			100	0	100	0	50	0	20.65	19.61	19.62	22.96	21.92	21.93	
15MHz+15MHz +20MHz	2503.8	2518.8	2535.9	1	74	1	0	1	0	23.09	21.89	19.77	25.32	24.12	22.00
				75	0	75	0	100	0	20.98	19.90	20.02	23.21	22.13	22.25



	2503.8	2520.9	2538	1	74	1	0	1	0	22.92	21.98	19.79	25.15	24.21	22.02
				75	0	100	0	75	0	20.87	19.89	19.91	23.10	22.12	22.14
	2506	2523.1	2538.1	1	99	1	0	1	0	22.83	21.83	19.74	25.06	24.06	21.97
				100	0	75	0	75	0	20.86	19.92	19.86	23.09	22.15	22.09
	2575.8	2590.8	2607.9	1	74	1	0	1	0	22.72	21.73	19.75	25.29	24.30	22.32
				75	0	75	0	100	0	20.73	19.77	19.81	23.30	22.34	22.38
	2575.9	2593	2610.1	1	74	1	0	1	0	22.63	21.72	19.60	25.20	24.29	22.17
				75	0	100	0	75	0	20.76	19.69	19.81	23.33	22.26	22.38
	2578.1	2595.2	2610.2	1	99	1	0	1	0	22.74	21.80	19.65	25.31	24.37	22.22
				100	0	75	0	75	0	20.79	19.76	19.83	23.36	22.33	22.40
	2645.8	2660.2	2680	1	74	1	0	1	0	22.33	21.40	19.21	24.64	23.71	21.52
				75	0	75	0	100	0	20.55	19.60	19.63	22.86	21.91	21.94
	2651.2	2665.6	2680	1	74	1	0	1	0	22.38	21.34	19.23	24.69	23.65	21.54
				75	0	100	0	75	0	20.54	19.57	19.60	22.85	21.88	21.91
	2650.3	2670.1	2684.5	1	99	1	0	1	0	22.31	21.22	19.19	24.62	23.53	21.50
				100	0	75	0	75	0	20.49	19.56	19.58	22.80	21.87	21.89
15MHz+20MHz +20MHz	2503.8	2520.9	2540.7	1	74	1	0	1	0	22.82	21.70	19.58	25.05	23.93	21.81
				75	0	100	0	100	0	20.71	19.70	19.72	22.94	21.93	21.95
	2506	2523.1	2540.2	1	99	1	0	1	0	22.78	21.61	19.58	25.01	23.84	21.81
				100	0	75	0	100	0	20.68	19.67	19.71	22.91	21.90	21.94
	2506	2525.8	2542.9	1	99	1	0	1	0	22.77	21.84	19.62	25.00	24.07	21.85
				100	0	100	0	75	0	20.68	19.65	19.76	22.91	21.88	21.99
	2573.4	2590.5	2610.3	1	74	1	0	1	0	22.72	21.67	19.53	25.55	24.50	22.36
				75	0	100	0	100	0	20.66	19.73	19.71	23.49	22.56	22.54
	2575.9	2593	2610.1	1	99	1	0	1	0	22.71	21.75	19.48	25.54	24.58	22.31
				100	0	75	0	100	0	20.67	19.68	19.75	23.50	22.51	22.58
	2575.7	2595.5	2612.6	1	99	1	0	1	0	22.58	21.65	19.53	25.41	24.48	22.36
				100	0	100	0	75	0	20.68	19.63	19.66	23.51	22.46	22.49
	2643.1	2660.2	2680	1	74	1	0	1	0	22.51	21.39	19.24	24.71	23.59	21.44
				75	0	100	0	100	0	20.63	19.59	19.63	22.83	21.79	21.83
	2645.8	2662.9	2680	1	99	1	0	1	0	22.37	21.25	19.20	24.57	23.45	21.40
				100	0	75	0	100	0	20.57	19.62	19.56	22.77	21.82	21.76
2645.3	2665.1	2682.2	1	99	1	0	1	0	22.39	21.24	19.20	24.59	23.44	21.40	
			100	0	100	0	75	0	20.59	19.66	19.57	22.79	21.86	21.77	
20MHz+20MHz +20MHz	2506	2525.8	2545.6	1	99	1	0	1	0	22.65	21.62	19.59	24.75	23.72	21.69
				100	0	100	0	100	0	20.84	19.75	19.64	22.94	21.85	21.74
	2573.2	2593	2612.8	1	99	1	0	1	0	22.61	21.56	19.60	25.44	24.39	22.43
				100	0	100	0	100	0	20.59	19.68	19.62	23.42	22.51	22.45
	2640.4	2660.2	2680	1	99	1	0	1	0	22.40	21.32	19.07	24.60	23.52	21.27
				100	0	100	0	100	0	20.72	19.70	19.59	22.92	21.90	21.79



CA Configuration / N _{RB_agg}				Test Range			NS	Maximum Output Power			EIRP (dBm)		
Band	PCC	SCC1	SCC2	PCC	SCC1	SCC2		(dBm)					
	N _{RB}	N _{RB}	N _{RB}	N _{DL}	N _{DL}	N _{DL}		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
CA_7C-4A	1#99	1#0	1#0	2510	2524.4	1732.5	NS_01	22.32	21.36	19.26	24.42	23.46	21.36
	100#0	50#0	100#0	2510	2524.4	1732.5		20.27	19.10	19.16	22.37	21.20	21.26
	1#99	1#0	1#0	2550.1	2564.5	1732.5		22.73	21.27	19.20	25.50	24.04	21.97
	100#0	50#0	100#0	2550.1	2564.5	1732.5		20.21	19.15	19.24	22.98	21.92	22.01
	1#99	1#0	1#0	2510	2529.8	1732.5		22.52	21.22	19.14	24.62	23.32	21.24
	100#0	100#0	100#0	2510	2529.8	1732.5		20.29	19.12	19.20	22.39	21.22	21.30
	1#99	1#0	1#0	2540.2	2560	1732.5		22.08	21.31	19.11	24.64	23.87	21.67
	100#0	100#0	100#0	2540.2	2560	1732.5		20.41	19.22	19.09	22.97	21.78	21.65
CA_7C-5A	1#99	1#0	1#0	2510	2524.4	836.5	NS_01	22.48	21.33	19.16	24.58	23.43	21.26
	100#0	50#0	50#0	2510	2524.4	836.5		20.05	19.11	19.07	22.15	21.21	21.17
	1#99	1#0	1#0	2550.1	2564.5	836.5		22.76	21.32	19.69	25.53	24.09	22.46
	100#0	50#0	50#0	2550.1	2564.5	836.5		20.32	19.15	19.12	23.09	21.92	21.89
	1#99	1#0	1#0	2510	2529.8	836.5		22.49	21.25	19.12	24.59	23.35	21.22
	100#0	100#0	50#0	2510	2529.8	836.5		20.23	19.16	19.06	22.33	21.26	21.16
	1#99	1#0	1#0	2540.2	2560	836.5		22.78	21.52	19.03	25.34	24.08	21.59
	100#0	100#0	50#0	2540.2	2560	836.5		20.17	19.11	19.13	22.73	21.67	21.69
CA_4C-12A	1#49	1#0	1#0	1715.5	1729.9	707.5	NS_3	22.69	21.57	19.89	25.37	24.25	22.57
	50#0	100#0	50#0	1715.5	1729.9	707.5		20.76	19.74	19.73	23.44	22.42	22.41
	1#49	1#0	1#0	1730.6	1745	707.5		22.51	21.54	19.53	24.49	23.52	21.51
	50#0	100#0	50#0	1730.6	1745	707.5		20.62	19.55	19.53	22.60	21.53	21.51
	1#99	1#0	1#0	1720	1739.8	707.5		22.88	21.48	19.32	25.10	23.70	21.54
	100#0	100#0	50#0	1720	1739.8	707.5		20.64	19.61	19.62	22.86	21.83	21.84
	1#99	1#0	1#0	1725.2	1745	707.5		22.71	21.56	19.39	24.69	23.54	21.37
	100#0	100#0	50#0	1725.2	1745	707.5		20.57	19.51	19.54	22.55	21.49	21.52

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 51 kHz, VBW is set to 160 kHz for WCDMA Band IV.

RBW is set to 30 kHz, VBW is set to 91kHz for LTE Band 4/12/66 (1.4MHz).

RBW is set to 62 kHz, VBW is set to 180 kHz for LTE Band 4/12/66 (3MHz).

RBW is set to 100 kHz, VBW is set to 300 kHz for LTE Band 4/7/12/13/41/38/66/71(5MHz).

RBW is set to 200 kHz, VBW is set to 620 kHz for LTE Band 4/7/12/13/41/38/66/71(10MHz).

RBW is set to 300 kHz, VBW is set to 910 kHz for LTE Band 4/7/41/38/66/71(15MHz).

RBW is set to 430 kHz, VBW is set to 1.2 MHz for LTE Band 4/7/41/38/66/71(20MHz).

RBW is set to 1MHz, VBW is set to 3MHz for CA-7C/ CA-38C/ CA-41C/CA-66B/CA-66C.

RBW is set to 200 kHz, VBW is set to 620 kHz for CA-66B(5M+5M).

RBW is set to 300 kHz, VBW is set to 910 kHz for CA-66B(5M+10M,10M+5M).

RBW is set to 390 kHz, VBW is set to 1.2 MHz for CA-66B(5M+15M,10M+10M,5M+15M)

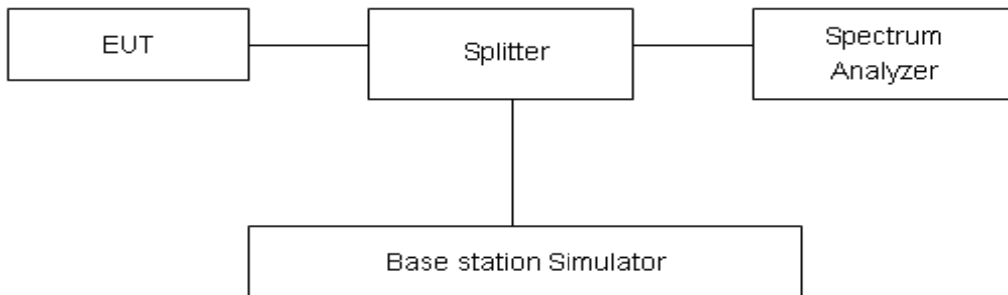
RBW is set to 1MHz, VBW is set to 3MHz for CA-66C.

RBW is set to 820 kHz, VBW is set to 2.4MHz for CA-4C-12A /CA-7C-4A/ CA-7C-5A/

CA-41A-41C/CA-41D.

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	4.1485	4.704
	1413	1732.6	4.1517	4.680
	1513	1752.6	4.1574	4.695

LTE Band 4						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	19957	1710.7	1.1016	1.233
			20175	1732.5	1.0925	1.242
			20393	1754.3	1.0932	1.246
		3	19965	1711.5	2.7010	3.017
			20175	1732.5	2.7063	3.015
			20385	1753.5	2.7011	3.007
		5	19975	1712.5	4.5215	4.973
			20175	1732.5	4.5312	4.924
			20375	1752.5	4.5097	4.900
		10	20000	1715	9.0142	9.840
			20175	1732.5	8.9733	9.731
			20350	1750	8.9938	9.682
		15	20025	1717.5	13.4790	14.490
			20175	1732.5	13.4540	14.580
			20325	1747.5	13.4540	14.690
		20	20050	1720	17.9460	19.410
			20175	1732.5	17.9310	19.390
			20300	1745	17.9790	19.540
	16QAM	1.4	19957	1710.7	1.0945	1.244
			20175	1732.5	1.0964	1.248
			20393	1754.3	1.0928	1.232
		3	19965	1711.5	2.7001	2.969
			20175	1732.5	2.6982	2.997
			20385	1753.5	2.6961	3.017
5		19975	1712.5	4.4995	4.912	
		20175	1732.5	4.5206	4.921	
		20375	1752.5	4.5145	4.943	
10		20000	1715	8.9955	9.739	
		20175	1732.5	9.0012	9.740	
		20350	1750	8.9686	9.759	



		15	20025	1717.5	13.4580	14.600
			20175	1732.5	13.4790	14.540
			20325	1747.5	13.5000	14.580
		20	20050	1720	17.9930	19.340
			20175	1732.5	17.9520	19.330
			20300	1745	17.9620	19.440
	64QAM	1.4	19957	1710.7	1.0992	1.245
			20175	1732.5	1.0948	1.238
			20393	1754.3	1.0883	1.231
		3	19965	1711.5	2.7097	2.987
			20175	1732.5	2.6962	2.965
			20385	1753.5	2.6975	3.030
		5	19975	1712.5	4.5123	4.950
			20175	1732.5	4.5312	4.938
			20375	1752.5	4.5144	4.969
		10	20000	1715	8.9821	9.796
			20175	1732.5	8.9582	9.790
			20350	1750	8.9770	9.762
		15	20025	1717.5	13.5090	14.570
			20175	1732.5	13.4470	14.580
			20325	1747.5	13.4320	14.600
		20	20050	1720	17.9480	19.360
			20175	1732.5	17.9600	19.470
			20300	1745	17.9280	19.360

LTE Band 7						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	20775	2502.5	4.5174	4.991
			21100	2535	4.5199	4.937
			21425	2567.5	4.5128	4.947
		10	20800	2505	8.9942	9.728
			21100	2535	8.9767	9.733
			21400	2565	8.9833	9.712
		15	20825	2507.5	13.4620	14.620
			21100	2535	13.4390	14.460
			21375	2562.5	13.4510	14.580
		20	20850	2510	17.9250	19.250
			21100	2535	17.9230	19.370
			21350	2560	17.9360	19.380



	16QAM	5	20775	2502.5	4.5161	4.969
			21100	2535	4.5134	4.956
			21425	2567.5	4.5149	4.986
		10	20800	2505	8.9781	9.776
			21100	2535	8.9960	9.669
			21400	2565	8.9951	9.831
		15	20825	2507.5	13.4630	14.640
			21100	2535	13.4440	14.570
			21375	2562.5	13.4800	14.590
		20	20850	2510	17.9250	19.180
			21100	2535	17.9330	19.440
			21350	2560	17.9650	19.400
	64QAM	5	20775	2502.5	4.5105	4.992
			21100	2535	4.5092	4.962
			21425	2567.5	4.5139	4.911
		10	20800	2505	8.9674	9.765
			21100	2535	8.9977	9.737
			21400	2565	8.9595	9.779
		15	20825	2507.5	13.4400	14.540
			21100	2535	13.4700	14.510
			21375	2562.5	13.4680	14.550
		20	20850	2510	18.0290	19.230
			21100	2535	17.9410	19.320
			21350	2560	17.9860	19.290

LTE Band 12						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	23017	699.7	1.0928	1.229
			23095	707.5	1.0932	1.240
			23173	715.3	1.0928	1.229
		3	23025	700.5	2.6936	2.967
			23095	707.5	2.6918	2.959
			23165	714.5	2.7044	3.024
		5	23035	701.5	4.5041	4.931
			23095	707.5	4.4993	4.946
			23155	713.5	4.5163	4.944
		10	23060	704	9.0018	9.685
			23095	707.5	8.9794	9.817
			23130	711	8.9717	9.842



	16QAM	1.4	23017	699.7	1.0908	1.242
			23095	707.5	1.0953	1.235
			23173	715.3	1.0886	1.233
		3	23025	700.5	2.6907	3.022
			23095	707.5	2.6941	3.016
			23165	714.5	2.7023	3.032
		5	23035	701.5	4.5096	4.919
			23095	707.5	4.5077	4.956
			23155	713.5	4.5152	4.936
		10	23060	704	8.9827	9.730
			23095	707.5	8.9825	9.660
			23130	711	8.9742	9.758
	64QAM	1.4	23017	699.7	1.0939	1.248
			23095	707.5	1.0914	1.241
			23173	715.3	1.0896	1.235
		3	23025	700.5	2.6976	2.939
			23095	707.5	2.6968	2.988
			23165	714.5	2.7061	2.988
		5	23035	701.5	4.5043	4.955
			23095	707.5	4.5224	4.944
			23155	713.5	4.5148	4.927
		10	23060	704	8.9791	9.732
			23095	707.5	8.9843	9.714
			23130	711	8.9532	9.718

LTE Band 13						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	23205	779.5	4.4972	4.914
			23230	782	4.5386	4.921
			23255	784.5	4.5039	4.917
		10	23230	782	8.9673	9.797
	16QAM	5	23205	779.5	4.5057	4.953
			23230	782	4.5120	4.926
			23255	784.5	4.5038	4.973
		10	23230	782	8.9901	9.718
	64QAM	5	23205	779.5	4.5194	4.969
			23230	782	4.5123	4.945
			23255	784.5	4.5223	4.951
		10	23230	782	8.9468	9.691



LTE Band 38						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	37775	2572.5	4.4910	4.830
			38000	2595	4.5127	4.944
			38225	2617.5	4.5192	4.865
		10	37800	2575	8.9934	9.715
			38000	2595	8.9635	9.759
			38200	2615	8.9824	9.594
		15	37825	2577.5	13.4380	14.240
			38000	2595	13.4330	14.430
			38175	2612.5	13.4580	14.570
		20	37850	2580	17.9430	19.350
			38000	2595	17.9280	19.170
			38150	2610	17.9600	19.250
	16QAM	5	37775	2572.5	4.5087	4.867
			38000	2595	4.5078	4.975
			38225	2617.5	4.4955	4.875
		10	37800	2575	8.9563	9.717
			38000	2595	8.9873	9.664
			38200	2615	8.9603	9.671
		15	37825	2577.5	13.4250	14.170
			38000	2595	13.4530	14.450
			38175	2612.5	13.4810	14.310
		20	37850	2580	17.9430	19.510
			38000	2595	17.9350	19.350
			38150	2610	17.9600	19.180
	64QAM	5	37775	2572.5	4.5104	4.919
			38000	2595	4.5099	4.951
			38225	2617.5	4.5077	4.916
		10	37800	2575	8.9614	9.503
			38000	2595	8.9605	9.681
			38200	2615	8.9919	9.629
15		37825	2577.5	13.4570	14.230	
		38000	2595	13.4820	14.520	
		38175	2612.5	13.4170	14.490	
20		37850	2580	17.9580	19.380	
		38000	2595	17.9570	19.340	
		38150	2610	18.0070	19.450	



LTE Band 41						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	39675	2498.5	4.4908	4.921
			40620	2593	4.4952	4.887
			41565	2687.5	4.5135	4.877
		10	39700	2501	8.9985	9.768
			40620	2593	8.9789	9.749
			41540	2685	8.9843	9.719
		15	39725	2503.5	13.5260	14.570
			40620	2593	13.4700	14.340
			41515	2682.5	13.4750	14.370
		20	39750	2506	17.9140	19.190
			40620	2593	17.9120	19.400
			41490	2680	17.9330	19.150
	16QAM	5	39675	2498.5	4.5043	4.913
			40620	2593	4.4993	4.914
			41565	2687.5	4.5133	4.921
		10	39700	2501	9.0019	9.720
			40620	2593	8.9776	9.662
			41540	2685	8.9690	9.645
		15	39725	2503.5	13.4710	14.630
			40620	2593	13.4370	14.500
			41515	2682.5	13.4040	14.560
		20	39750	2506	17.9620	19.470
			40620	2593	17.9810	19.300
			41490	2680	17.9080	19.140
	64QAM	5	39675	2498.5	4.4989	4.894
			40620	2593	4.4953	4.887
			41565	2687.5	4.4937	4.897
		10	39700	2501	8.9980	9.787
			40620	2593	8.9569	9.582
			41540	2685	8.9825	9.796
15		39725	2503.5	13.4580	14.340	
		40620	2593	13.4540	14.320	
		41515	2682.5	13.4920	14.510	
20		39750	2506	17.9480	19.140	
		40620	2593	17.8660	19.220	
		41490	2680	17.9020	19.160	



LTE Band 66						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	131979	1710.7	1.1057	1.222
			132322	1745	1.0931	1.240
			132665	1779.3	1.0900	1.242
		3	131987	1711.5	2.6982	2.985
			132322	1745	2.7005	3.005
			132657	1778.5	2.7002	2.994
		5	131997	1712.5	4.5107	4.969
			132322	1745	4.5036	4.912
			132647	1777.5	4.5077	4.932
		10	132022	1715	8.9948	9.724
			132322	1745	8.9752	9.676
			132622	1775	9.0148	9.735
		15	132047	1717.5	13.4800	14.430
			132322	1745	13.4230	14.460
			132597	1772.5	13.4500	14.680
		20	132072	1720	18.0060	19.370
			132322	1745	17.9690	19.560
			132572	1770	17.9710	19.430
	16QAM	1.4	131979	1710.7	1.0943	1.238
			132322	1745	1.0957	1.221
			132665	1779.3	1.0915	1.229
		3	131987	1711.5	2.7091	3.025
			132322	1745	2.6974	2.983
			132657	1778.5	2.6964	2.975
		5	131997	1712.5	4.5234	4.980
			132322	1745	4.5217	4.982
			132647	1777.5	4.5220	4.969
		10	132022	1715	8.9751	9.726
			132322	1745	8.9975	9.688
			132622	1775	9.0004	9.780
15		132047	1717.5	13.4400	14.600	
		132322	1745	13.4660	14.500	
		132597	1772.5	13.4590	14.600	
20		132072	1720	17.9450	19.230	
		132322	1745	17.9490	19.480	
		132572	1770	17.9110	19.450	
64QAM	1.4	131979	1710.7	1.0989	1.252	



			132322	1745	1.0963	1.240
			132665	1779.3	1.0921	1.218
		3	131987	1711.5	2.7044	2.987
			132322	1745	2.7001	3.030
			132657	1778.5	2.6951	3.022
		5	131997	1712.5	4.5049	4.914
			132322	1745	4.5243	4.910
			132647	1777.5	4.5233	4.938
		10	132022	1715	8.9630	9.767
			132322	1745	8.9721	9.742
			132622	1775	8.9811	9.833
		15	132047	1717.5	13.4530	14.670
			132322	1745	13.4570	14.490
			132597	1772.5	13.4540	14.420
		20	132072	1720	17.9740	19.480
			132322	1745	17.9500	19.160
			132572	1770	17.9180	19.500

LTE Band 71						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	133147	665.5	4.5048	4.900
			133297	680.5	4.5016	4.931
			133447	695.5	4.5110	4.969
		10	133172	668	8.9818	9.752
			133297	680.5	8.9708	9.785
			133422	693	9.0011	9.832
		15	133197	670.5	13.4020	14.460
			133297	680.5	13.3920	14.440
			133397	690.5	13.4550	14.610
	20	133222	673	17.9060	19.300	
		133322	683	17.9360	19.380	
		133372	688	17.9540	19.640	
	16QAM	5	133147	665.5	4.5125	4.909
			133297	680.5	4.5026	4.881
			133447	695.5	4.5165	4.942
		10	133172	668	8.9952	9.748
			133297	680.5	8.9942	9.770
			133422	693	8.9836	9.806
15		133197	670.5	13.4470	14.560	



			133297	680.5	13.4620	14.440
			133397	690.5	13.4590	14.630
		20	133222	673	17.9800	19.270
			133322	683	17.9080	19.340
			133372	688	17.9860	19.380
		64QAM	5	133147	665.5	4.5252
	133297			680.5	4.5108	4.929
	133447			695.5	4.5103	4.962
	10		133172	668	8.9804	9.760
			133297	680.5	8.9692	9.600
			133422	693	8.9915	9.801
	15		133197	670.5	13.4540	14.580
			133297	680.5	13.3980	14.650
			133397	690.5	13.4470	14.480
	20		133222	673	17.8790	19.360
			133322	683	17.9490	19.380
			133372	688	17.9460	19.130



CA_7C	PCC		SCC1		PCC RB	SCC1 RB	Bandwidth(MHz)	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)			99% Power	-26dBc
CA_7C_10MHz+20MHz_QPSK	21006	2525.6	21150	2540	50#0	75#0	28.170	32.32
CA_7C_10MHz+20MHz_16QAM	21006	2525.6	21150	2540	50#0	75#0	28.100	30.11
CA_7C_10MHz+20MHz_64QAM	21006	2525.6	21150	2540	50#0	75#0	28.075	29.99
CA_7C_20MHz+10MHz_QPSK	21051	2530.1	21195	2544.5	75#0	50#0	28.076	31.72
CA_7C_20MHz+10MHz_16QAM	21051	2530.1	21195	2544.5	75#0	50#0	28.055	30.42
CA_7C_20MHz+10MHz_64QAM	21051	2530.1	21195	2544.5	75#0	50#0	28.036	30.30
CA_7C_15MHz+10MHz_QPSK	21051	2530.1	21171	2542.1	75#0	75#0	23.620	25.67
CA_7C_15MHz+10MHz_16QAM	21025	2527.5	21175	2542.5	75#0	75#0	23.474	25.49
CA_7C_15MHz+10MHz_64QAM	21025	2527.5	21175	2542.5	75#0	75#0	23.519	25.53
CA_7C_15MHz+15MHz_QPSK	21025	2527.5	21175	2542.5	75#0	75#0	28.674	30.79
CA_7C_15MHz+15MHz_16QAM	21025	2527.5	21175	2542.5	75#0	75#0	28.599	30.82
CA_7C_15MHz+15MHz_64QAM	21025	2527.5	21175	2542.5	75#0	75#0	28.703	30.81
CA_7C_15MHz+20MHz_QPSK	21003	2525.3	21174	2542.4	75#0	100#0	32.925	35.12
CA_7C_15MHz+20MHz_16QAM	21003	2525.3	21174	2542.4	75#0	100#0	32.838	35.35
CA_7C_15MHz+20MHz_64QAM	21003	2525.3	21174	2542.4	75#0	100#0	32.858	36.46
CA_7C_20MHz+15MHz_QPSK	21026	2527.6	21197	2544.7	100#0	75#0	32.874	35.15
CA_7C_20MHz+15MHz_16QAM	21026	2527.6	21197	2544.7	100#0	75#0	32.840	35.28
CA_7C_20MHz+15MHz_64QAM	21026	2527.6	21197	2544.7	100#0	75#0	32.881	35.14
CA_7C_20MHz+20MHz_QPSK	21001	2525.1	21199	2544.9	100#0	100#0	37.759	40.17
CA_7C_20MHz+20MHz_16QAM	21001	2525.1	21199	2544.9	100#0	100#0	37.658	40.17
CA_7C_20MHz+20MHz_64QAM	21001	2525.1	21199	2544.9	100#0	100#0	37.675	40.14

CA_38C	PCC		SCC1		PCC RB	SCC1 RB	Bandwidth(MHz)	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)			99% Power	-26dBc
CA_38C_15MHz+15MHz_QPSK	37925	2587.5	38075	2602.5	75#0	75#0	28.672	30.92
CA_38C_15MHz+15MHz_16QAM	37925	2587.5	38075	2602.5	75#0	75#0	28.719	30.86
CA_38C_15MHz+15MHz_64QAM	37925	2587.5	38075	2602.5	75#0	75#0	28.626	30.80
CA_38C_20MHz+20MHz_QPSK	37901	2585.1	38099	2604.9	100#0	100#0	37.833	40.13
CA_38C_20MHz+20MHz_16QAM	37901	2585.1	38099	2604.9	100#0	100#0	37.707	40.29
CA_38C_20MHz+20MHz_64QAM	37901	2585.1	38099	2604.9	100#0	100#0	37.714	40.18

CA_41C	PCC		SCC1		PCC RB	SCC1 RB	Bandwidth(MHz)	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)			99% Power	-26dBc
CA_41C_5MHz+20MHz_QPSK	40528	2583.8	40645	2595.5	25#0	100#0	23.454	25.35
CA_41C_5MHz+20MHz_16QAM	40528	2583.8	40645	2595.5	25#0	100#0	23.340	25.15
CA_41C_5MHz+20MHz_64QAM	40528	2583.8	40645	2595.5	25#0	100#0	23.392	25.19
CA_41C_20MHz+5MHz_QPSK	40595	2590.5	40712	2602.2	100#0	25#0	23.350	25.24



CA_41C_20MHz+5MHz_16QAM	40595	2590.5	40712	2602.2	100#0	25#0	23.363	25.15
CA_41C_20MHz+5MHz_64QAM	40595	2590.5	40712	2602.2	100#0	25#0	23.313	25.08
CA_41C_10MHz+20MHz_QPSK	40526	2583.6	40670	2598	50#0	75#0	28.223	30.57
CA_41C_10MHz+20MHz_16QAM	40526	2583.6	40670	2598	50#0	75#0	28.046	30.09
CA_41C_10MHz+20MHz_64QAM	40526	2583.6	40670	2598	50#0	75#0	28.120	30.11
CA_41C_20MHz+10MHz_QPSK	40571	2588.1	40715	2602.5	75#0	50#0	28.115	30.17
CA_41C_20MHz+10MHz_16QAM	40571	2588.1	40715	2602.5	75#0	50#0	28.035	30.13
CA_41C_20MHz+10MHz_64QAM	40571	2588.1	40715	2602.5	75#0	50#0	28.049	30.08
CA_41C_15MHz+15MHz_QPSK	40545	2585.5	40695	2600.5	75#0	75#0	28.783	30.82
CA_41C_15MHz+15MHz_16QAM	40545	2585.5	40695	2600.5	75#0	75#0	28.681	30.80
CA_41C_15MHz+15MHz_64QAM	40545	2585.5	40695	2600.5	75#0	75#0	28.662	30.93
CA_41C_15MHz+20MHz_QPSK	40523	2583.3	40694	2600.4	75#0	100#0	33.027	35.13
CA_41C_15MHz+20MHz_16QAM	40523	2583.3	40694	2600.4	75#0	100#0	32.859	35.22
CA_41C_15MHz+20MHz_64QAM	40523	2583.3	40694	2600.4	75#0	100#0	32.901	35.16
CA_41C_20MHz+15MHz_QPSK	40546	2585.6	40717	2602.7	100#0	75#0	32.853	35.08
CA_41C_20MHz+15MHz_16QAM	40546	2585.6	40717	2602.7	100#0	75#0	32.948	35.10
CA_41C_20MHz+15MHz_64QAM	40546	2585.6	40717	2602.7	100#0	75#0	32.871	35.03
CA_41C_20MHz+20MHz_QPSK	40521	2583.1	40719	2602.9	100#0	100#0	37.791	40.20
CA_41C_20MHz+20MHz_16QAM	40521	2583.1	40719	2602.9	100#0	100#0	37.767	40.24
CA_41C_20MHz+20MHz_64QAM	40521	2583.1	40719	2602.9	100#0	100#0	37.753	40.19

CA_66B	PCC		SCC1		PCC RB	SCC1 RB	Bandwidth(MHz)	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)			99% Power	-26dBc
CA_66B_5MHz+5MHz_QPSK	132398	1752.6	132446	1757.4	25#0	25#0	9.2853	9.886
CA_66B_5MHz+5MHz_16QAM	132398	1752.6	132446	1757.4	25#0	25#0	9.2779	9.903
CA_66B_5MHz+5MHz_64QAM	132398	1752.6	132446	1757.4	25#0	25#0	9.2908	10.04
CA_66B_5MHz+10MHz_QPSK	132375	1750.3	132447	1757.5	25#0	50#0	13.936	14.84
CA_66B_5MHz+10MHz_16QAM	132375	1750.3	132447	1757.5	25#0	50#0	13.923	14.73
CA_66B_5MHz+10MHz_64QAM	132375	1750.3	132447	1757.5	25#0	50#0	13.916	14.76
CA_66B_10MHz+5MHz_QPSK	132397	1752.5	132469	1759.7	50#0	25#0	13.953	14.79
CA_66B_10MHz+5MHz_16QAM	132397	1752.5	132469	1759.7	50#0	25#0	13.917	14.76
CA_66B_10MHz+5MHz_64QAM	132397	1752.5	132469	1759.7	50#0	25#0	13.910	14.82
CA_66B_5MHz+15MHz_QPSK	132353	1748.1	132446	1757.4	25#0	75#0	18.322	19.39
CA_66B_5MHz+15MHz_16QAM	132353	1748.1	132446	1757.4	25#0	75#0	18.279	19.26
CA_66B_5MHz+15MHz_64QAM	132353	1748.1	132446	1757.4	25#0	75#0	18.234	19.32
CA_66B_15MHz+5MHz_QPSK	132398	1752.6	132491	1761.9	75#0	25#0	18.280	19.33
CA_66B_15MHz+5MHz_16QAM	132398	1752.6	132491	1761.9	75#0	25#0	18.280	19.28
CA_66B_15MHz+5MHz_64QAM	132398	1752.6	132491	1761.9	75#0	25#0	18.243	19.28
CA_66B_10MHz+10MHz_QPSK	132373	1750.1	132472	1760	50#0	50#0	18.874	20.00
CA_66B_10MHz+10MHz_16QAM	132373	1750.1	132472	1760	50#0	50#0	18.843	19.98
CA_66B_10MHz+10MHz_64QAM	132373	1750.1	132472	1760	50#0	50#0	18.900	20.81



CA_66C	PCC		SCC1		PCC RB	SCC1 RB	Bandwidth(MHz)	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)			99% Power	-26dBc
CA_66C_10MHz+15MHz_QPSK	132351	1747.9	132471	1759.9	50#0	75#0	23.580	25.67
CA_66C_10MHz+15MHz_16QAM	132351	1747.9	132471	1759.9	50#0	75#0	23.589	25.54
CA_66C_10MHz+15MHz_64QAM	132351	1747.9	132471	1759.9	50#0	75#0	23.615	25.51
CA_66C_15MHz+10MHz_QPSK	132373	1750.1	132493	1762.1	75#0	50#0	23.589	25.57
CA_66C_15MHz+10MHz_16QAM	132373	1750.1	132493	1762.1	75#0	50#0	23.526	25.55
CA_66C_15MHz+10MHz_64QAM	132373	1750.1	132493	1762.1	75#0	50#0	23.516	25.58
CA_66C_10MHz+20MHz_QPSK	132328	1745.6	132472	1760	50#0	100#0	28.204	30.18
CA_66C_10MHz+20MHz_16QAM	132328	1745.6	132472	1760	50#0	100#0	28.106	31.39
CA_66C_10MHz+20MHz_64QAM	132328	1745.6	132472	1760	50#0	100#0	28.117	31.47
CA_66C_20MHz+10MHz_QPSK	132373	1750.1	132517	1764.5	100#0	50#0	28.109	30.21
CA_66C_20MHz+10MHz_16QAM	132373	1750.1	132517	1764.5	100#0	50#0	28.092	30.24
CA_66C_20MHz+10MHz_64QAM	132373	1750.1	132517	1764.5	100#0	50#0	28.058	31.25
CA_66C_15MHz+15MHz_QPSK	132347	1747.5	132497	1762.5	75#0	75#0	28.751	30.89
CA_66C_15MHz+15MHz_16QAM	132347	1747.5	132497	1762.5	75#0	75#0	28.699	30.88
CA_66C_15MHz+15MHz_64QAM	132347	1747.5	132497	1762.5	75#0	75#0	28.756	30.83
CA_66C_15MHz+20MHz_QPSK	132325	1745.3	132496	1762.4	75#0	100#0	32.849	35.24
CA_66C_15MHz+20MHz_16QAM	132325	1745.3	132496	1762.4	75#0	100#0	32.742	35.77
CA_66C_15MHz+20MHz_64QAM	132325	1745.3	132496	1762.4	75#0	100#0	32.736	35.07
CA_66C_20MHz+15MHz_QPSK	132348	1747.6	132519	1764.7	100#0	75#0	32.864	35.28
CA_66C_20MHz+15MHz_16QAM	132348	1747.6	132519	1764.7	100#0	75#0	32.942	35.20
CA_66C_20MHz+15MHz_64QAM	132348	1747.6	132519	1764.7	100#0	75#0	32.851	35.20
CA_66C_20MHz+5MHz_QPSK	132397	1752.5	132514	1764.2	100#0	25#0	23.493	25.35
CA_66C_20MHz+5MHz_16QAM	132397	1752.5	132514	1764.2	100#0	25#0	23.420	25.20
CA_66C_20MHz+5MHz_64QAM	132397	1752.5	132514	1764.2	100#0	25#0	23.391	25.26
CA_66C_5MHz+20MHz_QPSK	132330	1745.8	132447	1757.5	25#0	100#0	23.405	25.27
CA_66C_5MHz+20MHz_16QAM	132330	1745.8	132447	1757.5	25#0	100#0	23.317	25.16
CA_66C_5MHz+20MHz_64QAM	132330	1745.8	132447	1757.5	25#0	100#0	23.353	25.24
CA_66C_20MHz+20MHz_QPSK	132323	1745.1	132521	1764.9	100#0	100#0	37.676	40.26
CA_66C_20MHz+20MHz_16QAM	132323	1745.1	132521	1764.9	100#0	100#0	37.588	40.07
CA_66C_20MHz+20MHz_64QAM	132323	1745.1	132521	1764.9	100#0	100#0	37.556	40.04



CA-41A-41C	PCC		SCC1		SCC2		PCC RB	SCC 1RB	SCC 2RB	Bandwidth(MHz)	
	Channel	Fre. (MHz)	Channel	Fre. (MHz)	Channel	Fre. (MHz)				99% Power	-26dBc
CA-41A-41C_5MHz+20MHz+20MHz_QPSK	39750	2506	41373	2668.3	41490	2680	25#0	100#0	100#0	22.943	24.120
CA-41A-41C_5MHz+20MHz+20MHz_16QAM	39750	2506	41373	2668.3	41490	2680	25#0	100#0	100#0	22.887	24.150
CA-41A-41C_5MHz+20MHz+20MHz_64QAM	39750	2506	41373	2668.3	41490	2680	25#0	100#0	100#0	22.907	24.050
CA-41A-41C_10MHz+20MHz+20MHz_QPSK	39750	2506	41346	2665.6	41490	2680	50#0	100#0	100#0	27.795	29.330
CA-41A-41C_10MHz+20MHz+20MHz_16QAM	39750	2506	41346	2665.6	41490	2680	50#0	100#0	100#0	27.792	29.380
CA-41A-41C_10MHz+20MHz+20MHz_64QAM	39750	2506	41346	2665.6	41490	2680	50#0	100#0	100#0	27.794	29.450
CA-41A-41C_15MHz+20MHz+20MHz_QPSK	39750	2506	41319	2662.9	41490	2680	75#0	100#0	100#0	32.698	34.430
CA-41A-41C_15MHz+20MHz+20MHz_16QAM	39750	2506	41319	2662.9	41490	2680	75#0	100#0	100#0	32.722	34.410
CA-41A-41C_15MHz+20MHz+20MHz_64QAM	39750	2506	41319	2662.9	41490	2680	75#0	100#0	100#0	32.717	34.530
CA-41A-41C_20MHz+20MHz+20MHz_QPSK	39750	2506	41292	2660.2	41490	2680	100#0	100#0	100#0	37.768	42.880
CA-41A-41C_20MHz+20MHz+20MHz_16QAM	39750	2506	41292	2660.2	41490	2680	100#0	100#0	100#0	37.804	39.870
CA-41A-41C_20MHz+20MHz+20MHz_64QAM	39750	2506	41292	2660.2	41490	2680	100#0	100#0	100#0	37.722	52.520

CA-41D	PCC		SCC1		SCC2		PCC RB	SCC 1RB	SCC 2RB	Bandwidth(MHz)	
	Channel	Fre. (MHz)	Channel	Fre. (MHz)	Channel	Fre. (MHz)				99% Power	-26dBc
CA_41D_10MHz+15MHz+20MHz_QPSK	40477	2578.7	40597	2590.7	40741	2605.1	50#0	75#0	100#0	23.270	24.680
CA_41D_10MHz+15MHz+20MHz_16QAM	40477	2578.7	40597	2590.7	40741	2605.1	50#0	75#0	100#0	23.221	24.660
CA_41D_10MHz+15MHz+20MHz_64QAM	40477	2578.7	40597	2590.7	40741	2605.1	50#0	75#0	100#0	23.266	24.790
CA_41D_10MHz+15MHz+20MHz_QPSK	40474	2578.4	40645	2595.5	40789	2609.9	50#0	75#0	100#0	32.741	34.450
CA_41D_10MHz+15MHz+20MHz_16QAM	40474	2578.4	40645	2595.5	40789	2609.9	50#0	75#0	100#0	32.634	34.440
CA_41D_10MHz+15MHz+20MHz_64QAM	40474	2578.4	40645	2595.5	40789	2609.9	50#0	75#0	100#0	32.643	34.490
CA_41D_10MHz+20MHz+20MHz_QPSK	40476	2578.6	40620	2593	40764	2607.4	50#0	100#0	100#0	27.794	29.500
CA_41D_10MHz+20MHz+20MHz_16QAM	40476	2578.6	40620	2593	40764	2607.4	50#0	100#0	100#0	27.857	29.490
CA_41D_10MHz+20MHz+20MHz_64QAM	40476	2578.6	40620	2593	40764	2607.4	50#0	100#0	100#0	27.783	29.610
CA_41D_15MHz+15MHz+20MHz_QPSK	40449	2575.9	40620	2593	40791	2610.1	75#0	75#0	100#0	32.663	34.420
CA_41D_15MHz+15MHz+20MHz_16QAM	40449	2575.9	40620	2593	40791	2610.1	75#0	75#0	100#0	32.686	34.540
CA_41D_15MHz+15MHz+20MHz_64QAM	40449	2575.9	40620	2593	40791	2610.1	75#0	75#0	100#0	32.642	34.640
CA_41D_15MHz+20MHz+20MHz_QPSK	40449	2575.9	40620	2593	40791	2610.1	75#0	100#0	100#0	32.701	34.530
CA_41D_15MHz+20MHz+20MHz_16QAM	40449	2575.9	40620	2593	40791	2610.1	75#0	100#0	100#0	32.706	34.330
CA_41D_15MHz+20MHz+20MHz_64QAM	40449	2575.9	40620	2593	40791	2610.1	75#0	100#0	100#0	32.630	34.430
CA_41D_20MHz+20MHz+20MHz_QPSK	40422	2573.2	40620	2593	40818	2612.8	100#0	100#0	100#0	37.745	39.900
CA_41D_20MHz+20MHz+20MHz_16QAM	40422	2573.2	40620	2593	40818	2612.8	100#0	100#0	100#0	37.666	39.840
CA_41D_20MHz+20MHz+20MHz_64QAM	40422	2573.2	40620	2593	40818	2612.8	100#0	100#0	100#0	37.724	39.930



CA_7C_4A	PCC		SCC1		SCC2		PCC RB	SCC 1RB	SCC 2RB	Bandwidth(MHz)	
	Channel	Fre. (MHz)	Channel	Fre. (MHz)	Channel	Fre. (MHz)				99% Power	-26dBc
CA_7C_4A_20MHz+20MHz+20MHz_QPSK	20850	2510	21048	2529.8	20175	1732.5	100#0	100#0	100#0	37.886	63.170
CA_7C_4A_20MHz+20MHz+20MHz_16QAM	20850	2510	21048	2529.8	20175	1732.5	100#0	100#0	100#0	37.879	60.770
CA_7C_4A_20MHz+20MHz+20MHz_64QAM	20850	2510	21048	2529.8	20175	1732.5	100#0	100#0	100#0	37.852	60.290
CA_7C_4A_20MHz+20MHz+20MHz_QPSK	21152	2540.2	21350	2560	20175	1732.5	100#0	100#0	100#0	37.669	51.260
CA_7C_4A_20MHz+20MHz+20MHz_16QAM	21152	2540.2	21350	2560	20175	1732.5	100#0	100#0	100#0	37.683	50.630
CA_7C_4A_20MHz+20MHz+20MHz_64QAM	21152	2540.2	21350	2560	20175	1732.5	100#0	100#0	100#0	37.656	46.690

CA_7C_5A	PCC		SCC1		SCC2		PCC RB	SCC 1RB	SCC 2RB	Bandwidth(MHz)	
	Channel	Fre. (MHz)	Channel	Fre. (MHz)	Channel	Fre. (MHz)				99% Power	-26dBc
CA_7C_5A_20MHz+20MHz+20MHz_QPSK	20850	2510	21048	2529.8	20525	836.5	100#0	100#0	100#0	37.706	40.020
CA_7C_5A_20MHz+20MHz+20MHz_16QAM	20850	2510	21048	2529.8	20525	836.5	100#0	100#0	100#0	37.812	39.760
CA_7C_5A_20MHz+20MHz+20MHz_64QAM	20850	2510	21048	2529.8	20525	836.5	100#0	100#0	100#0	37.550	39.640
CA_7C_5A_20MHz+20MHz+20MHz_QPSK	21152	2540.2	21350	2560	20525	836.5	100#0	100#0	100#0	37.673	49.440
CA_7C_5A_20MHz+20MHz+20MHz_16QAM	21152	2540.2	21350	2560	20525	836.5	100#0	100#0	100#0	37.685	48.450
CA_7C_5A_20MHz+20MHz+20MHz_64QAM	21152	2540.2	21350	2560	20525	836.5	100#0	100#0	100#0	37.592	39.920

CA_4C_12A	PCC		SCC1		SCC2		PCC RB	SCC 1RB	SCC 2RB	Bandwidth(MHz)	
	Channel	Fre. (MHz)	Channel	Fre. (MHz)	Channel	Fre. (MHz)				99% Power	-26dBc
CA_4C_12A_20MHz+20MHz+20MHz_QPSK	20050	1720	20248	1739.8	23095	707.5	100#0	100#0	100#0	37.801	45.840
CA_4C_12A_20MHz+20MHz+20MHz_16QAM	20050	1720	20248	1739.8	23095	707.5	100#0	100#0	100#0	37.764	57.990
CA_4C_12A_20MHz+20MHz+20MHz_64QAM	20050	1720	20248	1739.8	23095	707.5	100#0	100#0	100#0	37.786	62.290
CA_4C_12A_20MHz+20MHz+20MHz_QPSK	20102	1725.2	20300	1745	23095	707.5	100#0	100#0	100#0	37.790	55.730
CA_4C_12A_20MHz+20MHz+20MHz_16QAM	20102	1725.2	20300	1745	23095	707.5	100#0	100#0	100#0	37.754	53.100
CA_4C_12A_20MHz+20MHz+20MHz_64QAM	20102	1725.2	20300	1745	23095	707.5	100#0	100#0	100#0	37.714	40.000



WCDMA Band IV CH-Low



WCDMA Band IV CH Middle

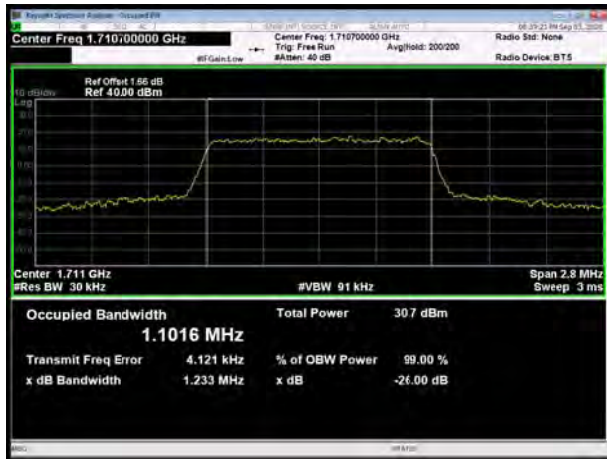


WCDMA Band IV CH High

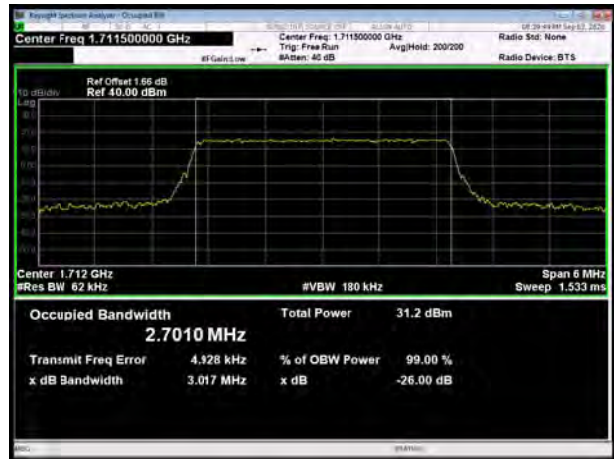




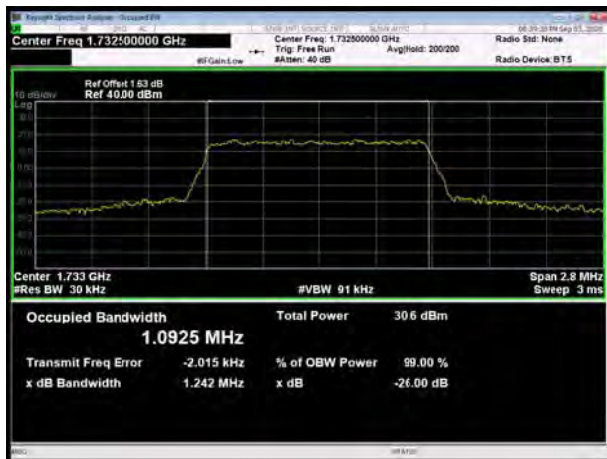
LTE Band 4 QPSK 1.4MHz CH-Low



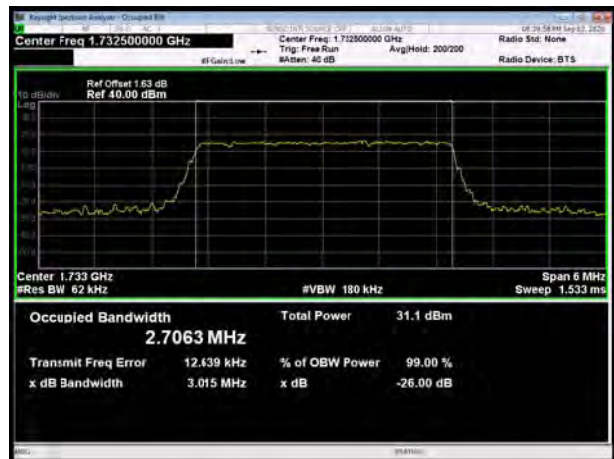
LTE Band 4 QPSK 3MHz CH-Low



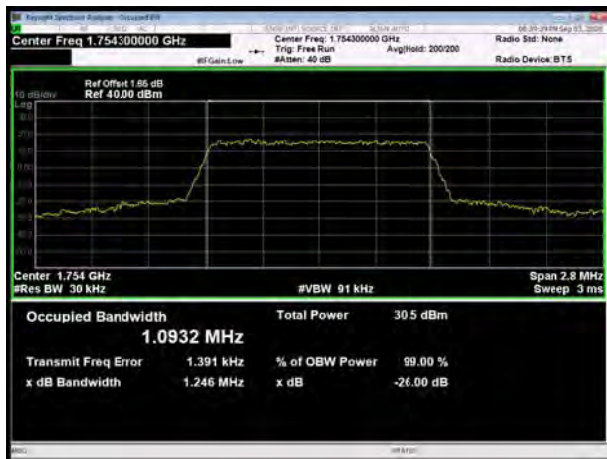
LTE Band 4 QPSK 1.4MHz CH-Middle



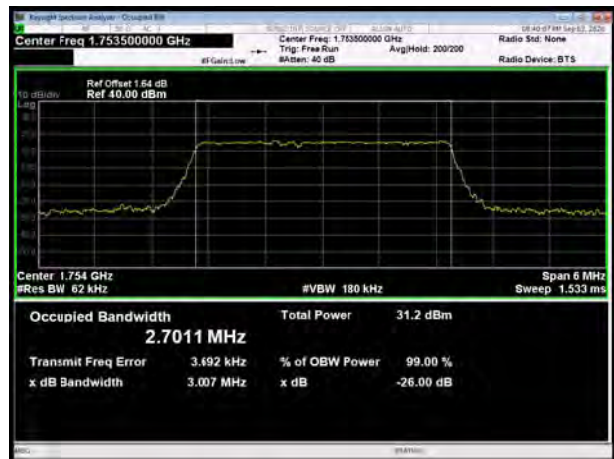
LTE Band 4 QPSK 3MHz CH-Middle



LTE Band 4 QPSK 1.4MHz CH-High

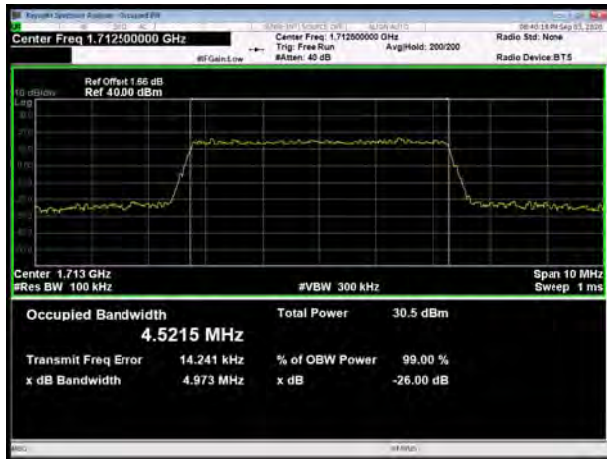


LTE Band 4 QPSK 3MHz CH-High

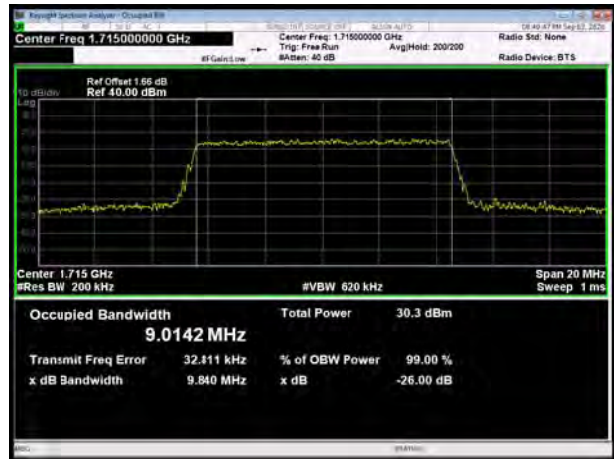




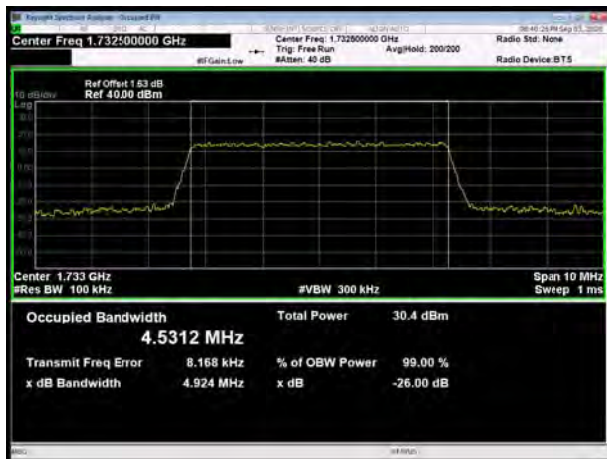
LTE Band 4 QPSK 5MHz CH-Low



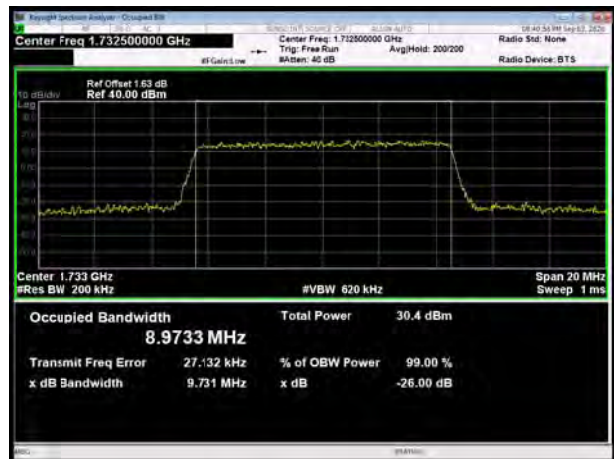
LTE Band 4 QPSK 10MHz CH-Low



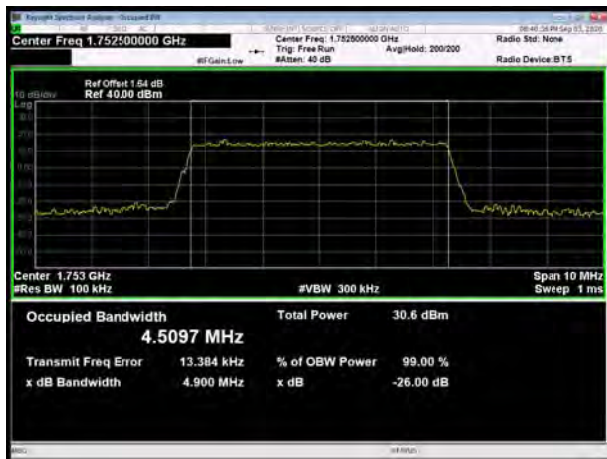
LTE Band 4 QPSK 5MHz CH-Middle



LTE Band 4 QPSK 10MHz CH-Middle



LTE Band 4 QPSK 5MHz CH-High

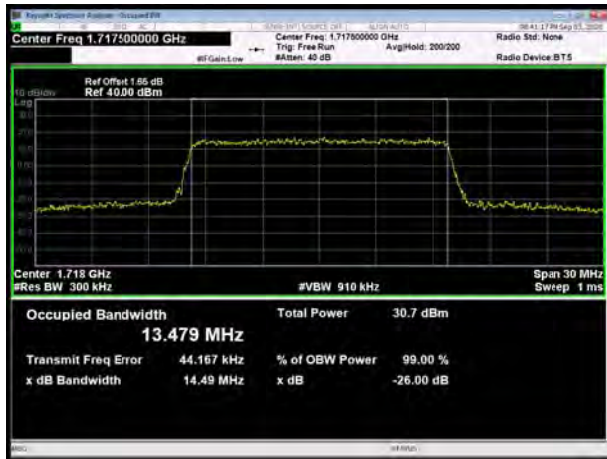


LTE Band 4 QPSK 10MHz CH-High

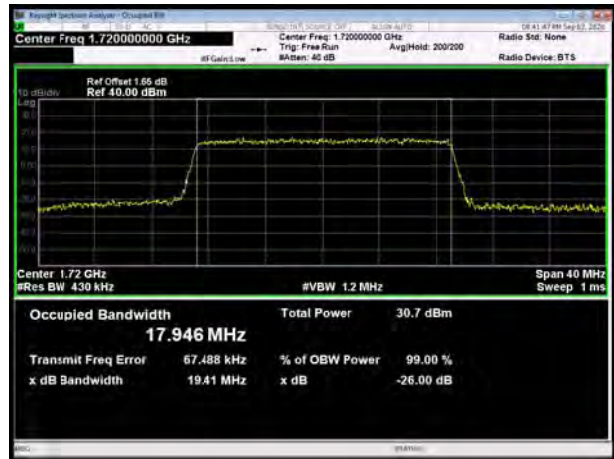




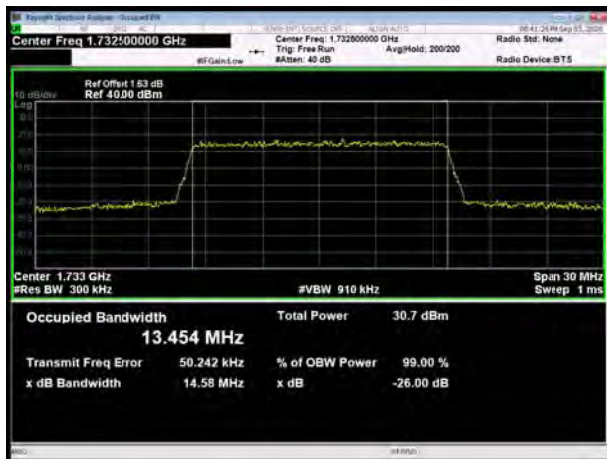
LTE Band 4 QPSK 15MHz CH-Low



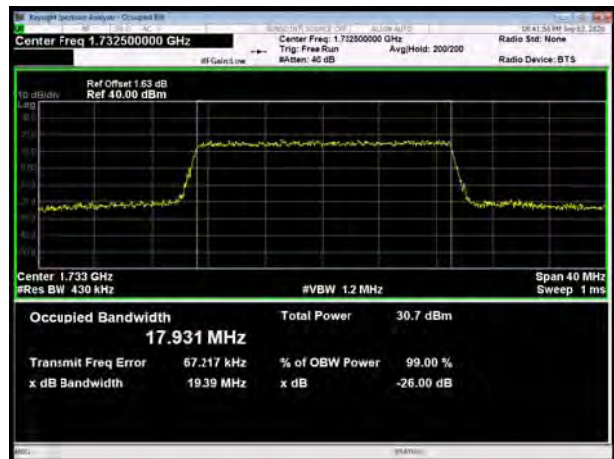
LTE Band 4 QPSK 20MHz CH-Low



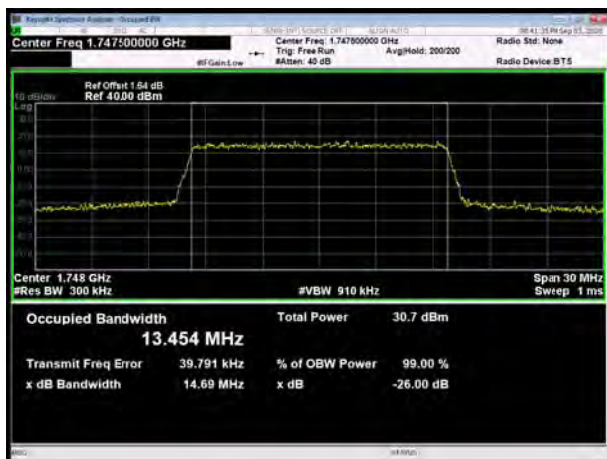
LTE Band 4 QPSK 15MHz CH-Middle



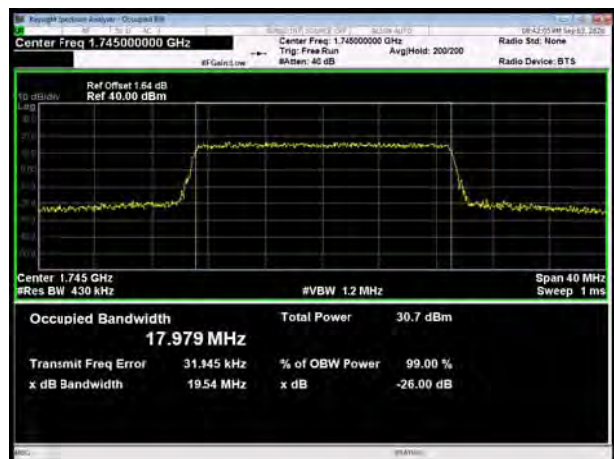
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LTE Band 4 QPSK 15MHz CH-High

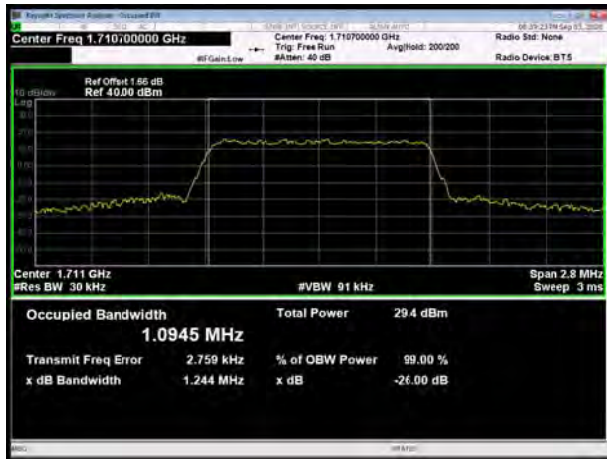


LTE Band 4 QPSK 20MHz CH-High

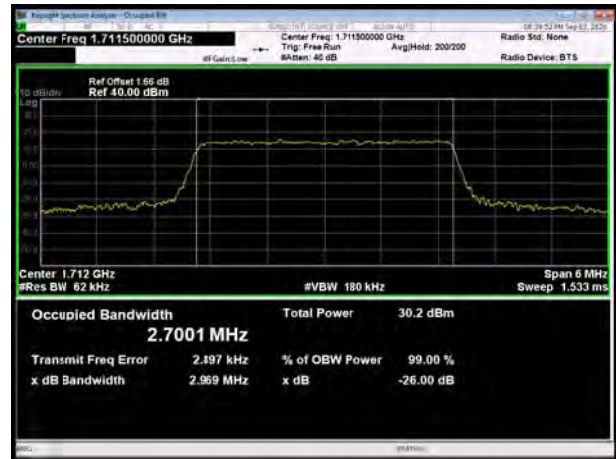




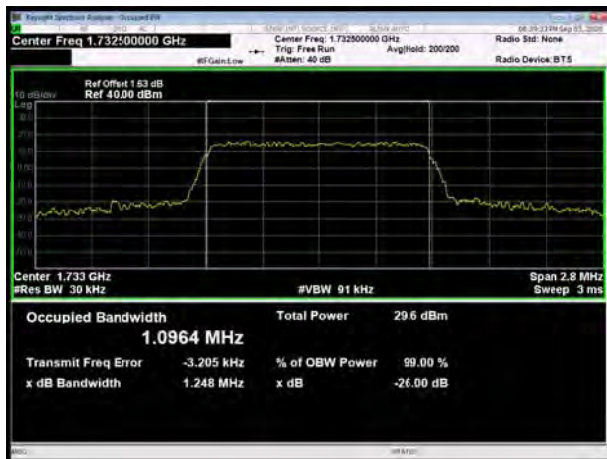
LTE Band 4 16QAM 1.4MHz CH-Low



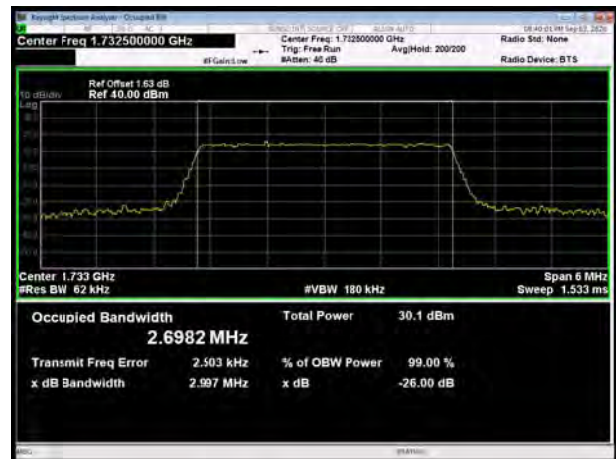
LTE Band 4 16QAM 3MHz CH-Low



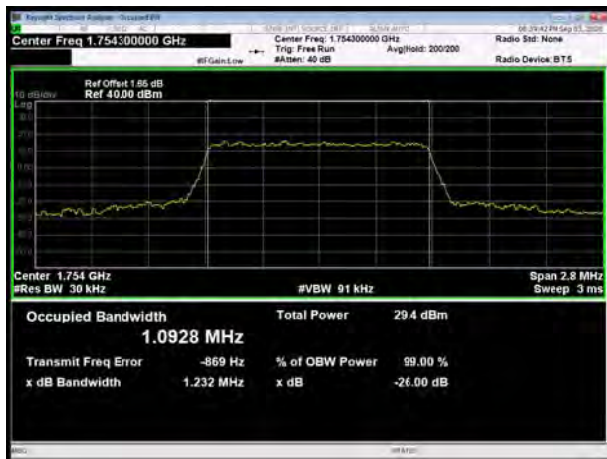
LTE Band 4 16QAM 1.4MHz CH-Middle



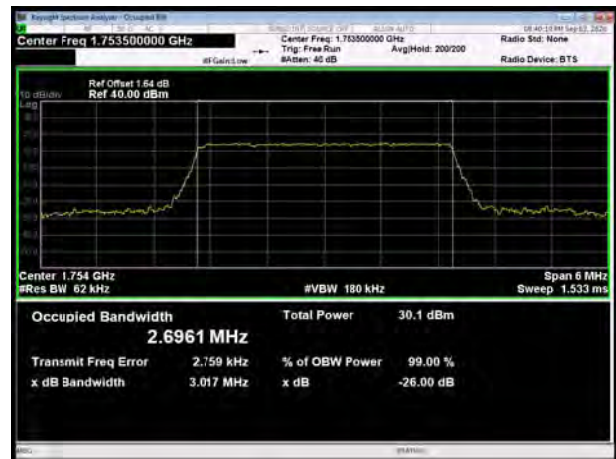
LTE Band 4 16QAM 3MHz CH-Middle



LTE Band 4 16QAM 1.4MHz CH-High

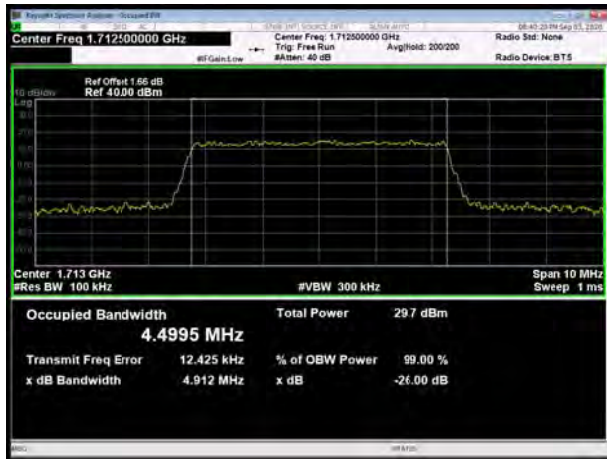


LTE Band 4 16QAM 3MHz CH-High

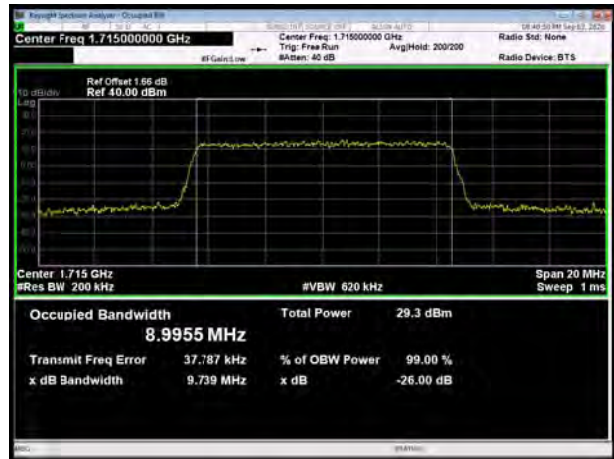




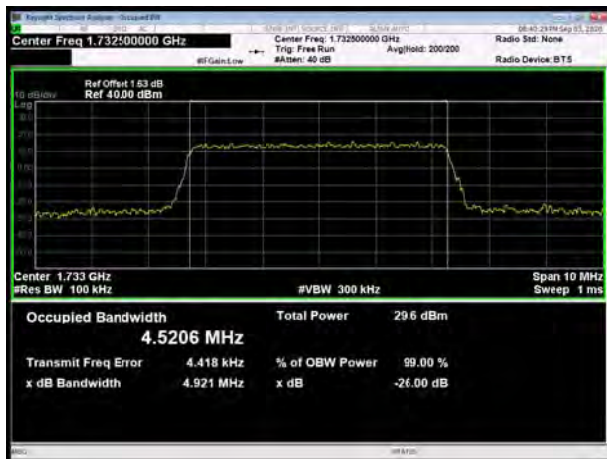
LTE Band 4 16QAM 5MHz CH-Low



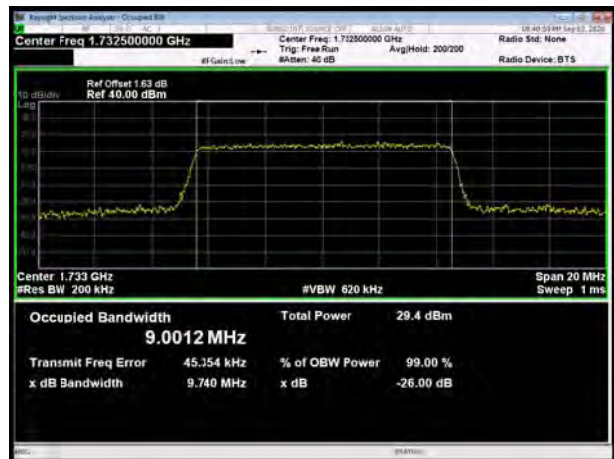
LTE Band 4 16QAM 10MHz CH-Low



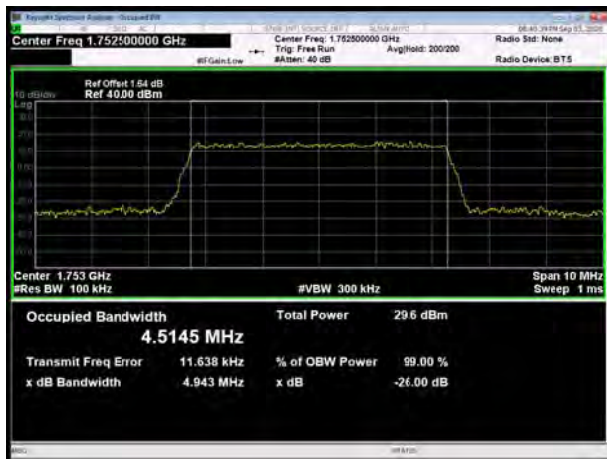
LTE Band 4 16QAM 5MHz CH-Middle



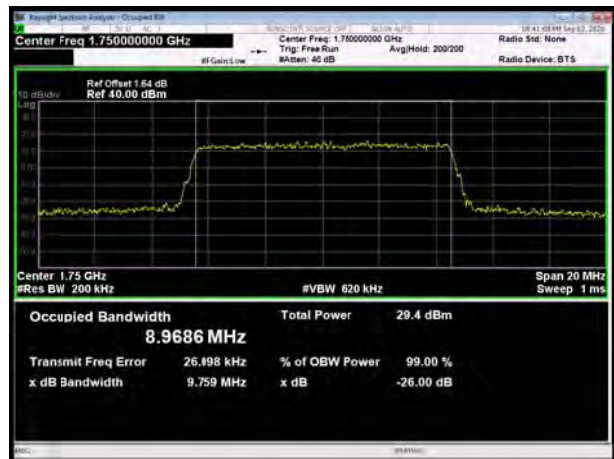
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LTE Band 4 16QAM 5MHz CH-High

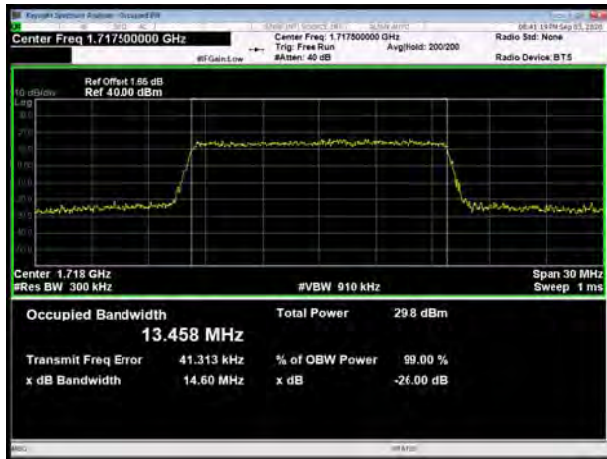


LTE Band 4 16QAM 10MHz CH-High

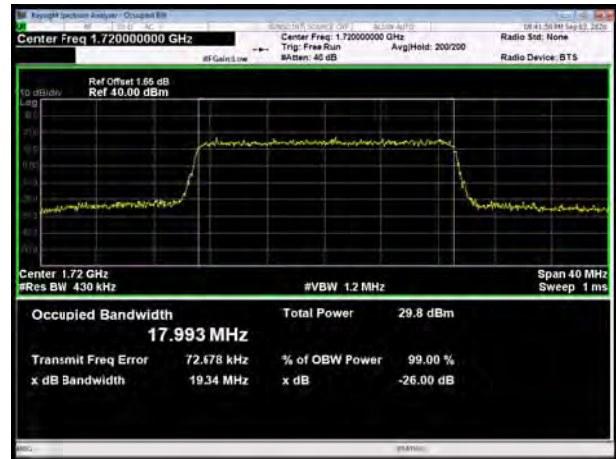




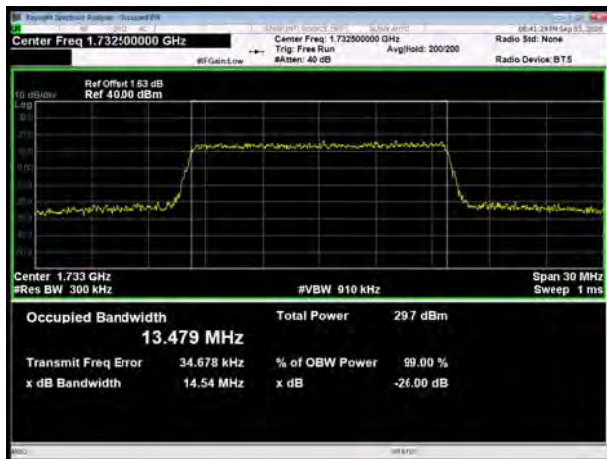
LTE Band 4 16QAM 15MHz CH-Low



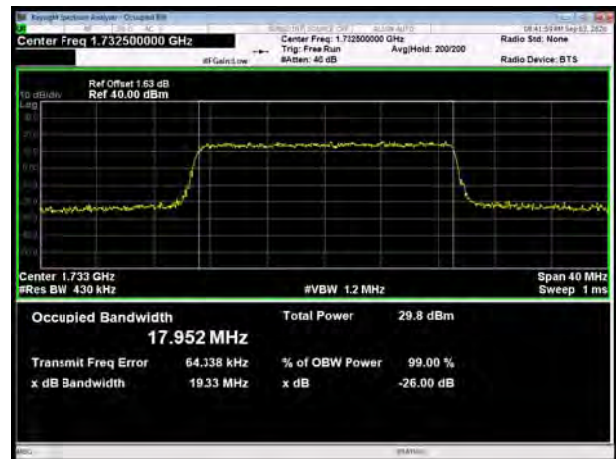
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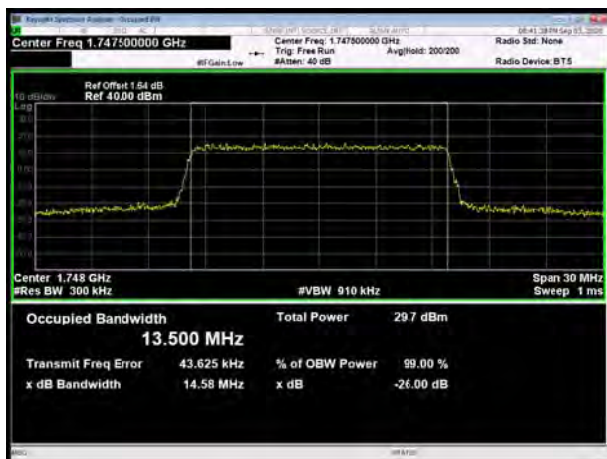
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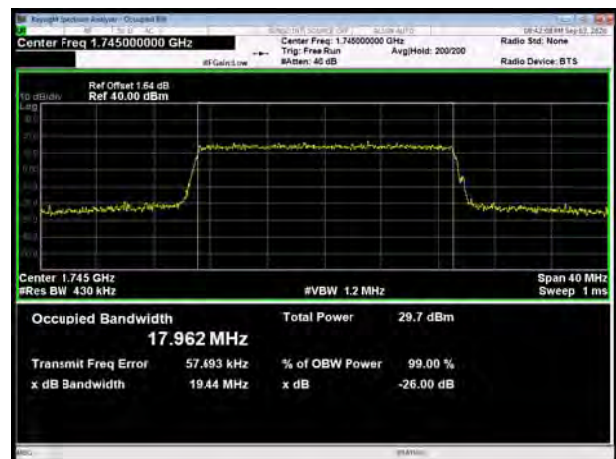
LTE Band 4 16QAM 20MHz CH-Middle



LTE Band 4 16QAM 15MHz CH-High

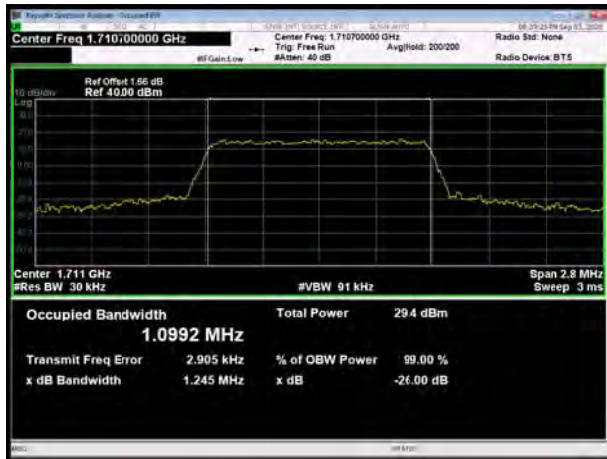


LTE Band 4 16QAM 20MHz CH-High

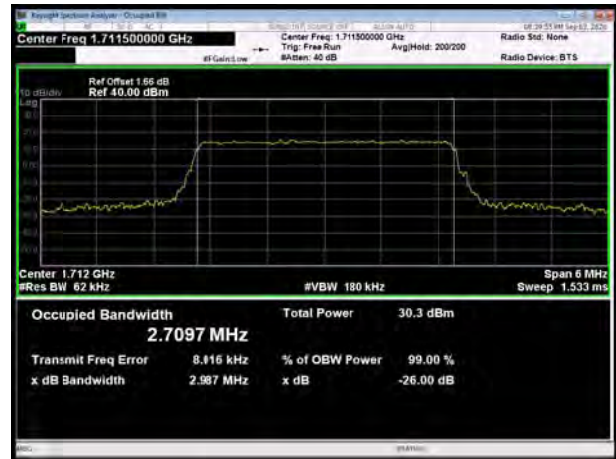




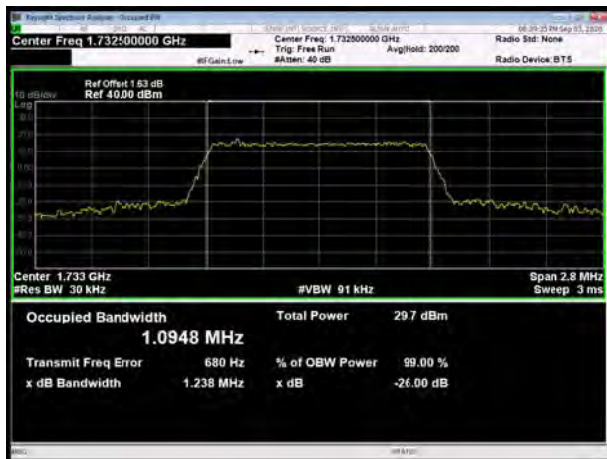
LTE Band 4 64QAM 1.4MHz CH-Low



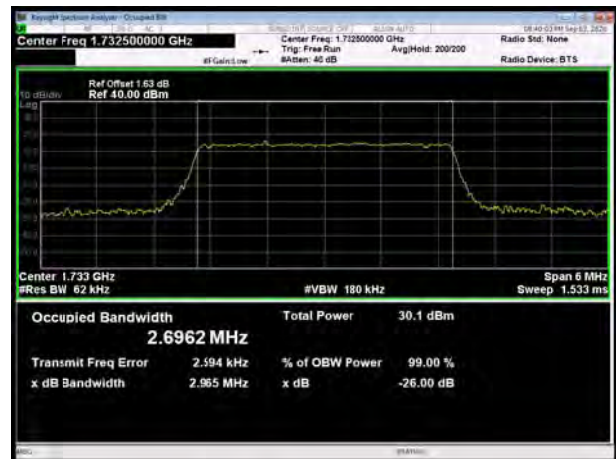
LTE Band 4 64QAM 3MHz CH-Low



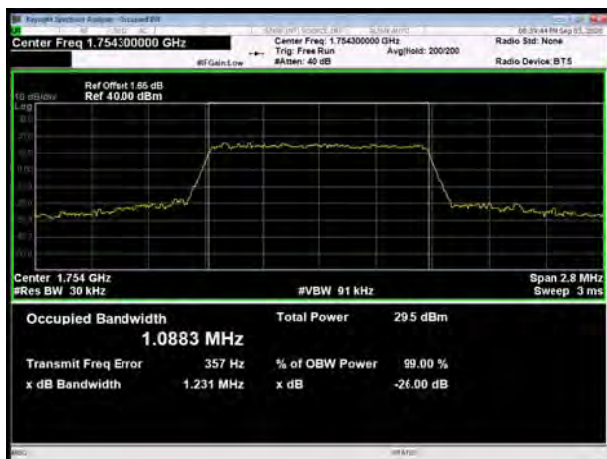
LTE Band 4 64QAM 1.4MHz CH-Middle



LTE Band 4 64QAM 3MHz CH-Middle



LTE Band 4 64QAM 1.4MHz CH-High

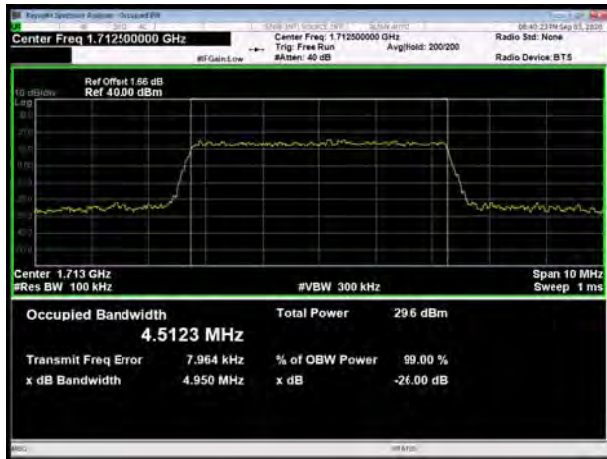


LTE Band 4 64QAM 3MHz CH-High

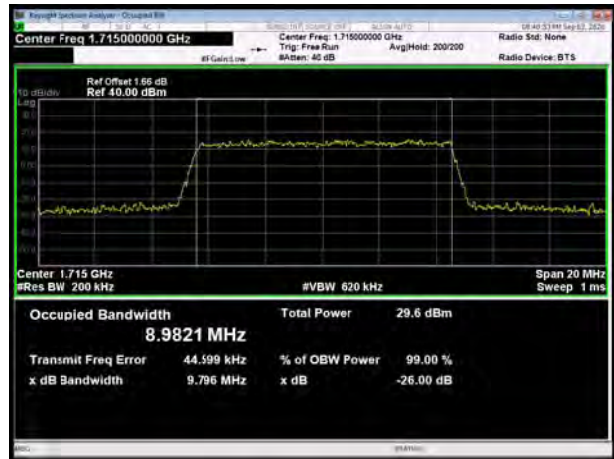




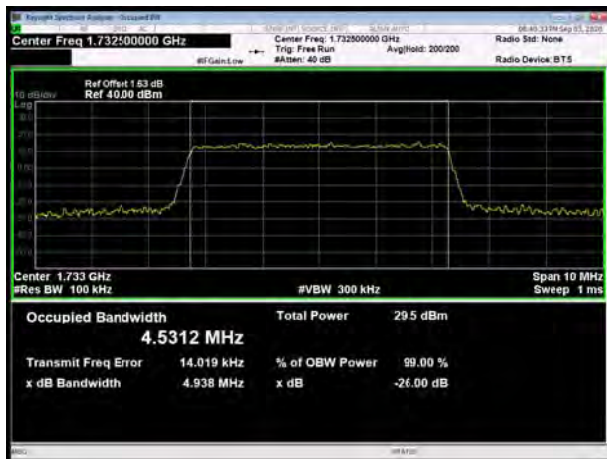
LTE Band 4 64QAM 5MHz CH-Low



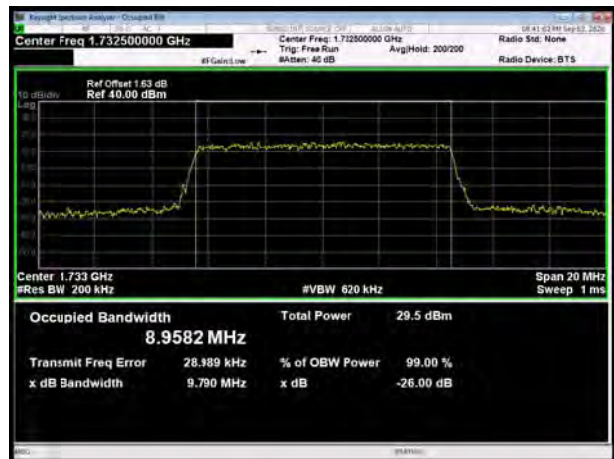
LTE Band 4 64QAM 10MHz CH-Low



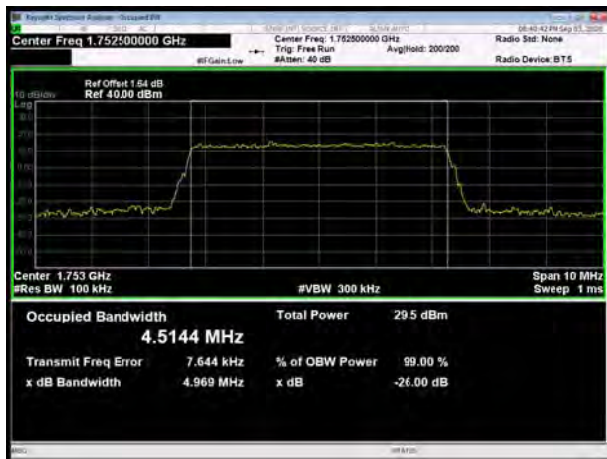
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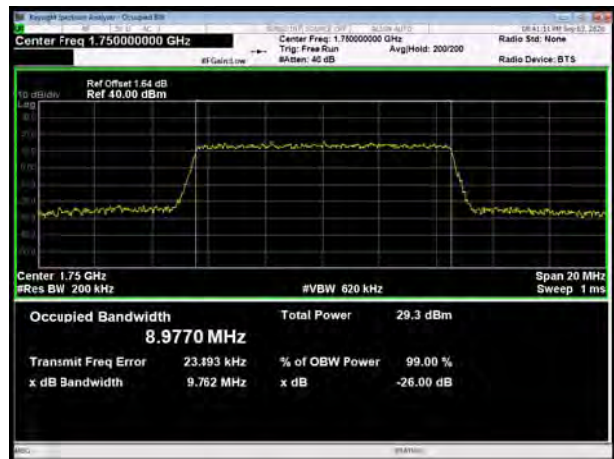
LTE Band 4 64QAM 10MHz CH-Middle



LTE Band 4 64QAM 5MHz CH-High

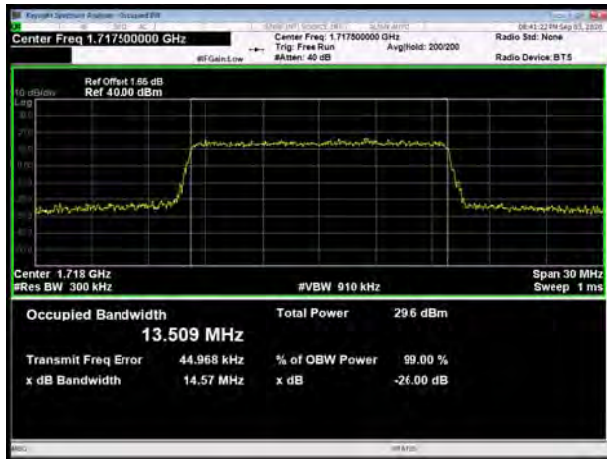


LTE Band 4 64QAM 10MHz CH-High

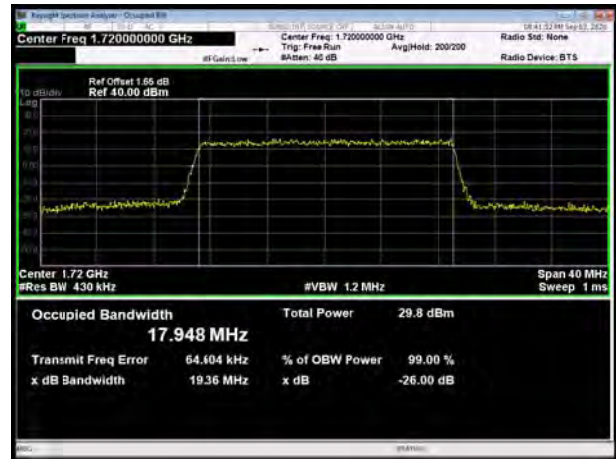




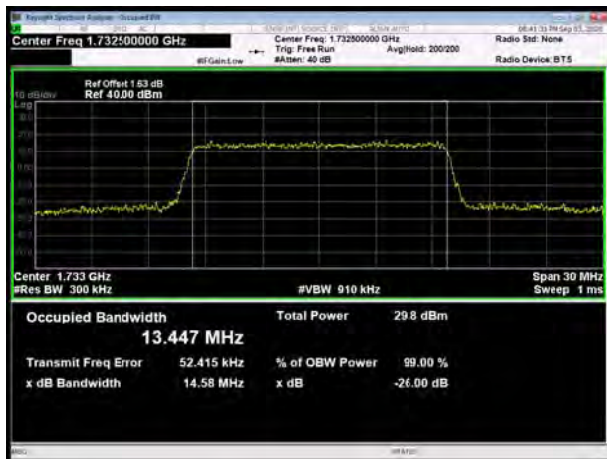
LTE Band 4 64QAM 15MHz CH-Low



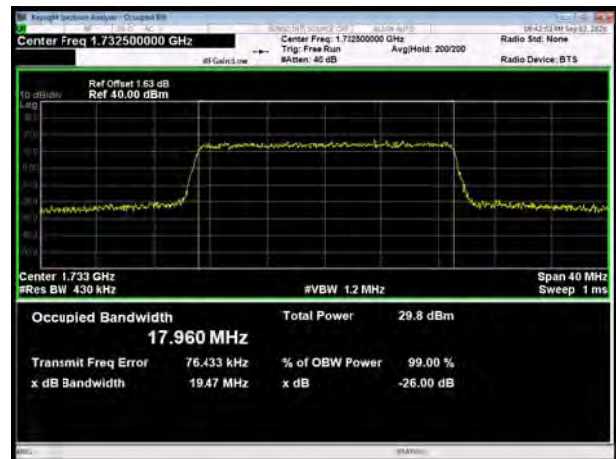
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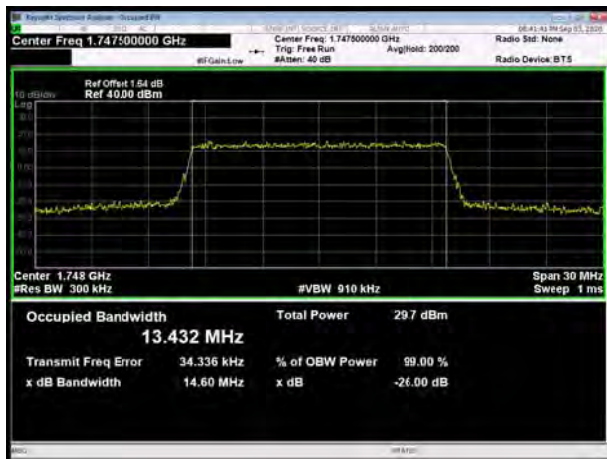
LTE Band 4 64QAM 15MHz CH-Middle



LTE Band 4 64QAM 20MHz CH-Middle



LTE Band 4 64QAM 15MHz CH-High

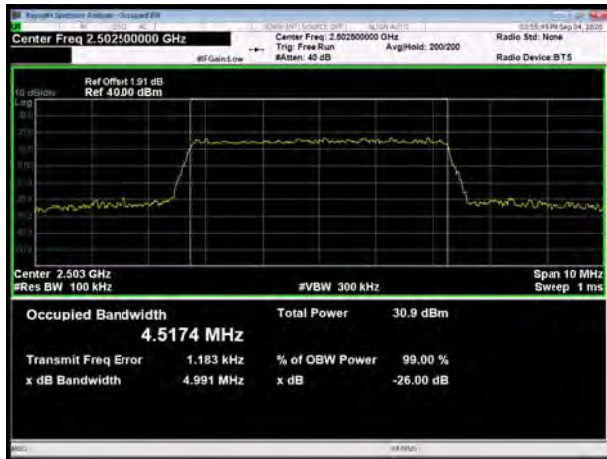


LTE Band 4 64QAM 20MHz CH-High

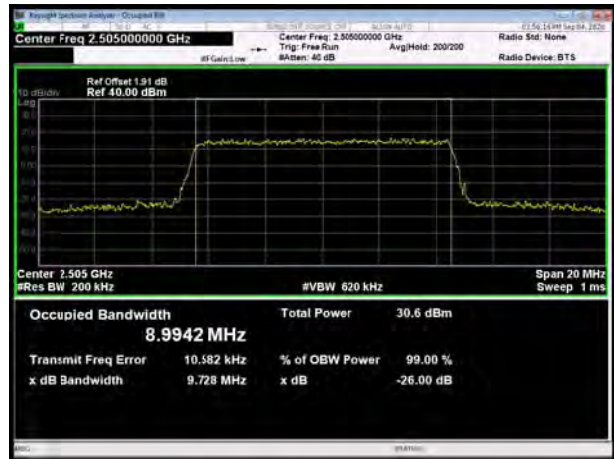




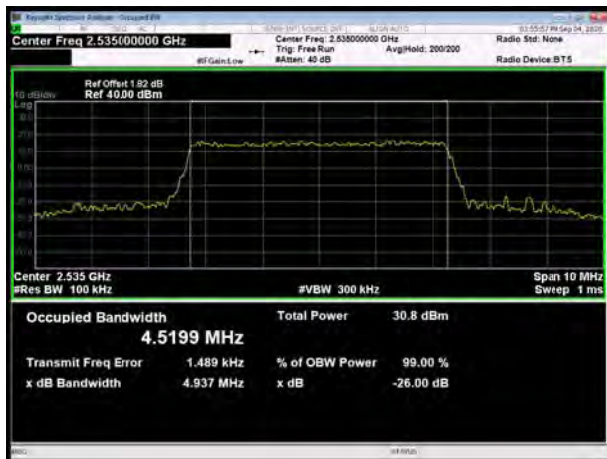
LTE Band 7 QPSK 5MHz CH-Low



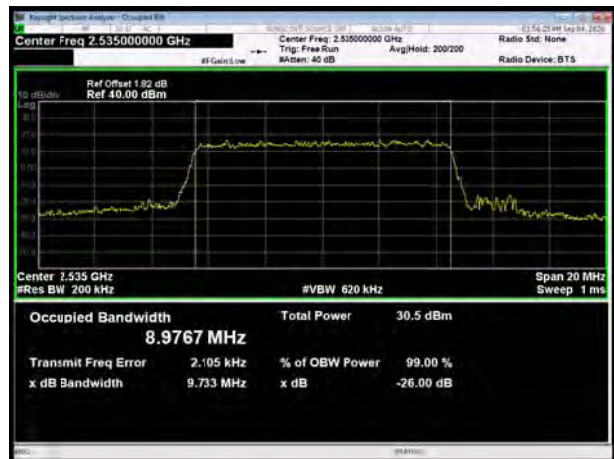
LTE Band 7 QPSK 10MHz CH-Low



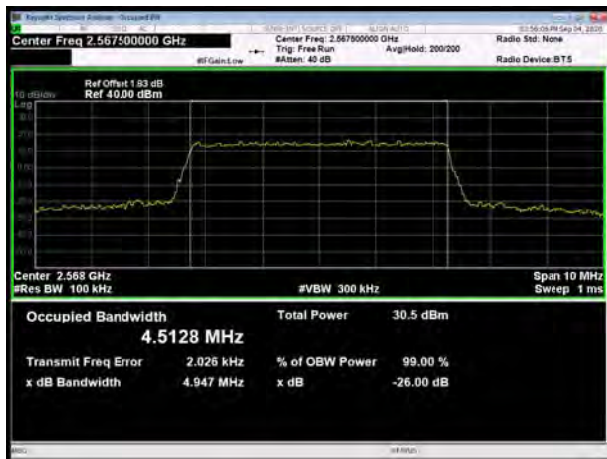
LTE Band 7 QPSK 5MHz CH-Middle



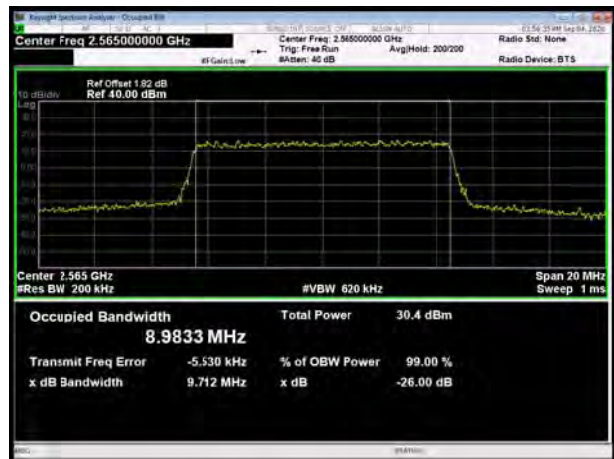
LTE Band 7 QPSK 10MHz CH-Middle



LTE Band 7 QPSK 5MHz CH-High

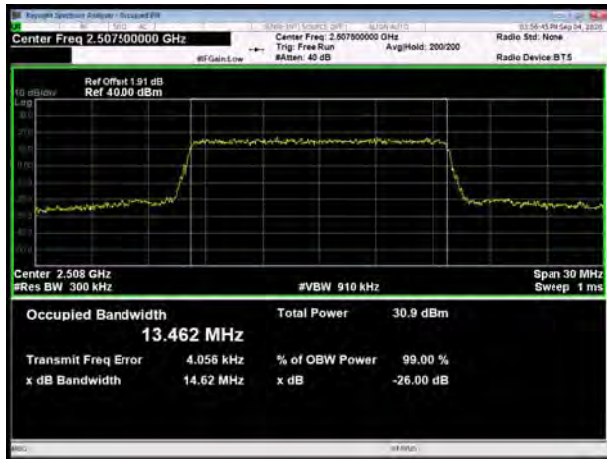


LTE Band 7 QPSK 10MHz CH-High

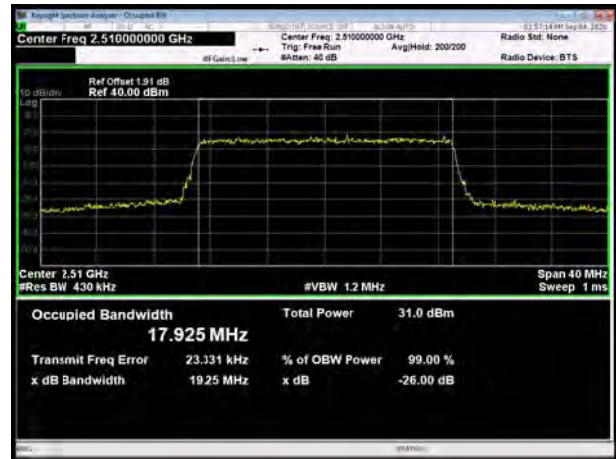




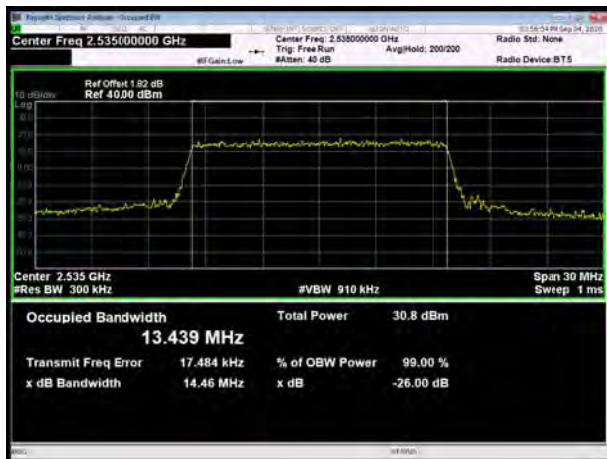
LTE Band 7 QPSK 15MHz CH-Low



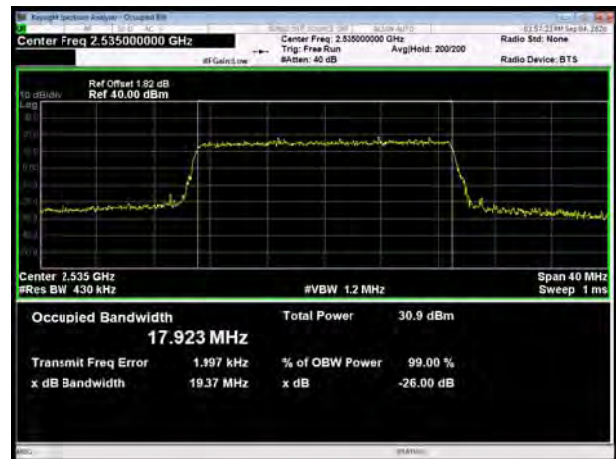
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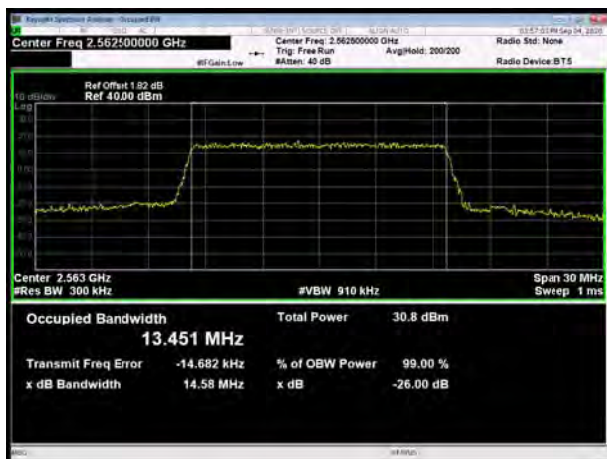
LTE Band 7 QPSK 15MHz CH-Middle



LTE Band 7 QPSK 20MHz CH-Middle



LTE Band 7 QPSK 15MHz CH-High

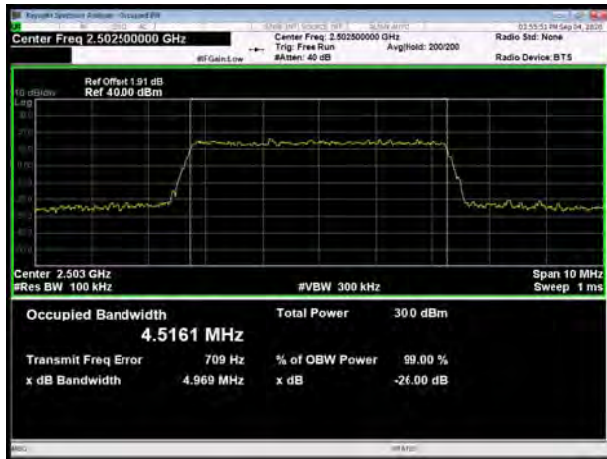


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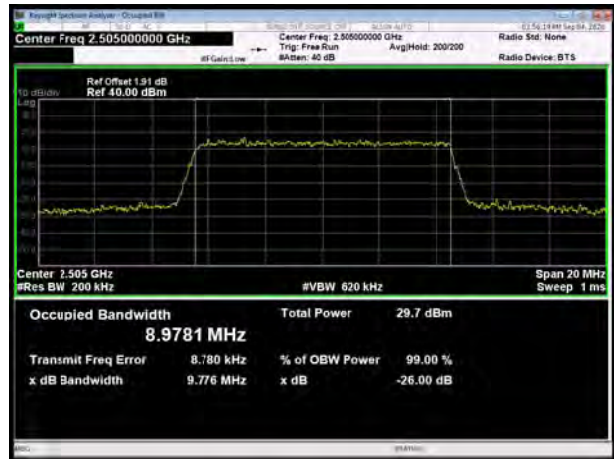




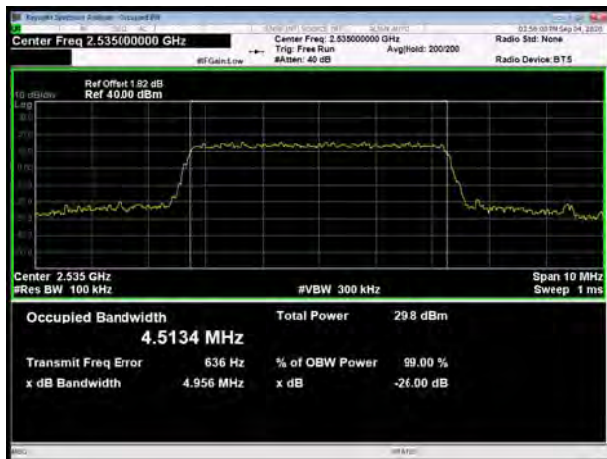
LTE Band 7 16QAM 5MHz CH-Low



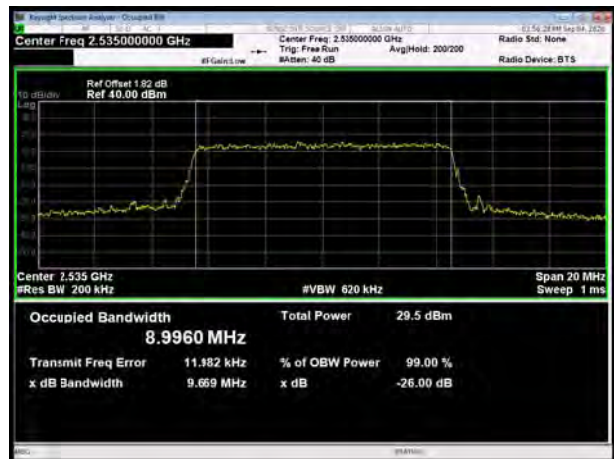
LTE Band 7 16QAM 10MHz CH-Low



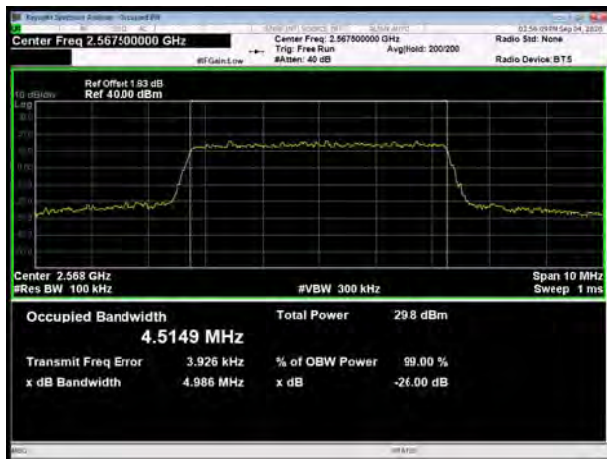
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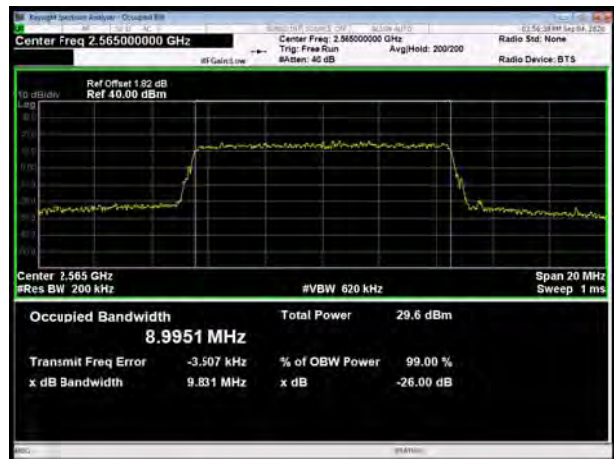
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LTE Band 7 16QAM 5MHz CH-High

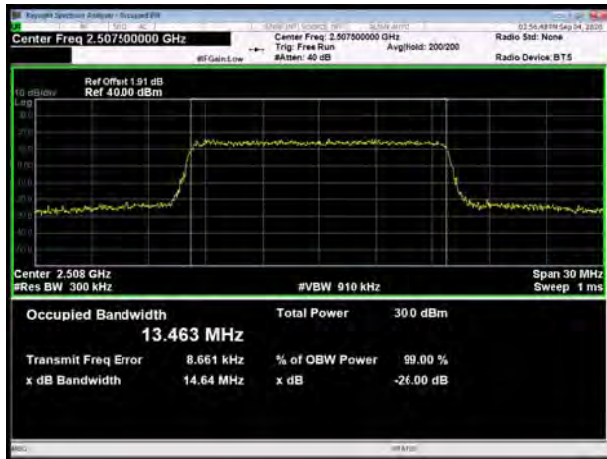


LTE Band 7 16QAM 10MHz CH-High

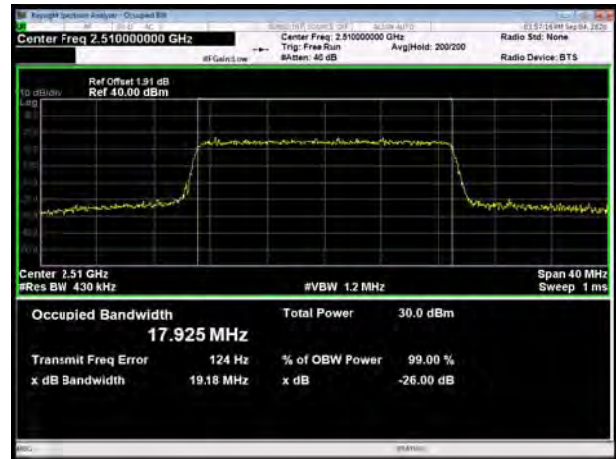




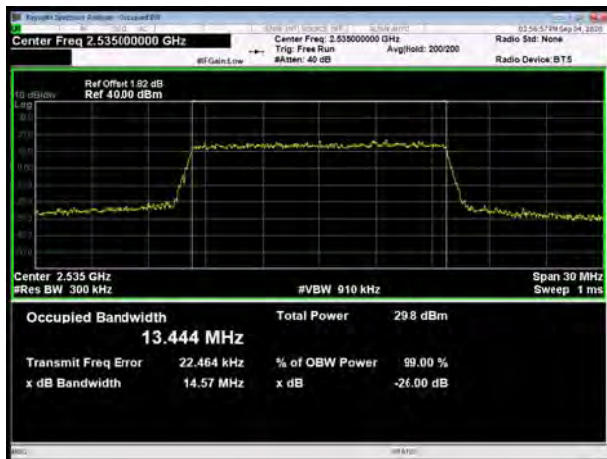
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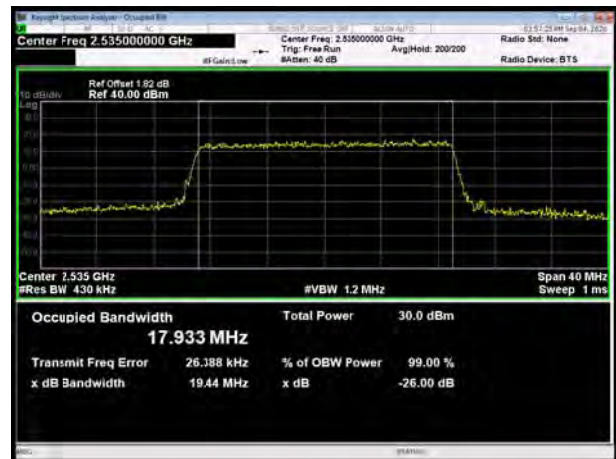
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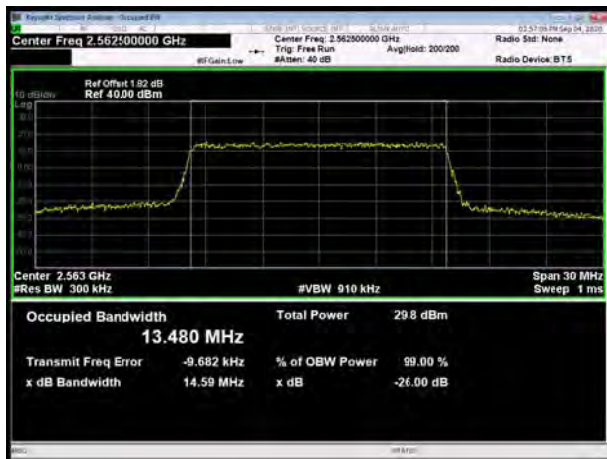
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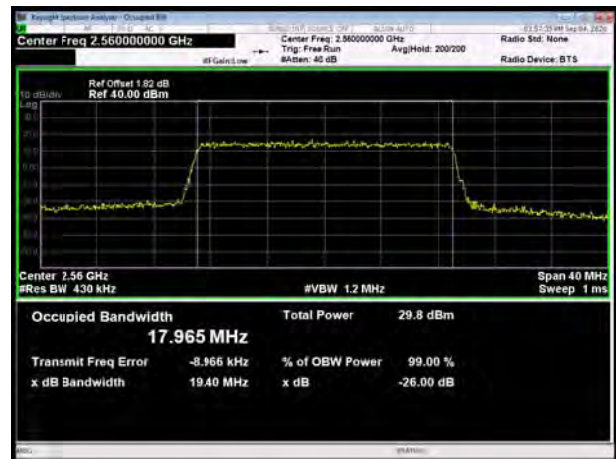
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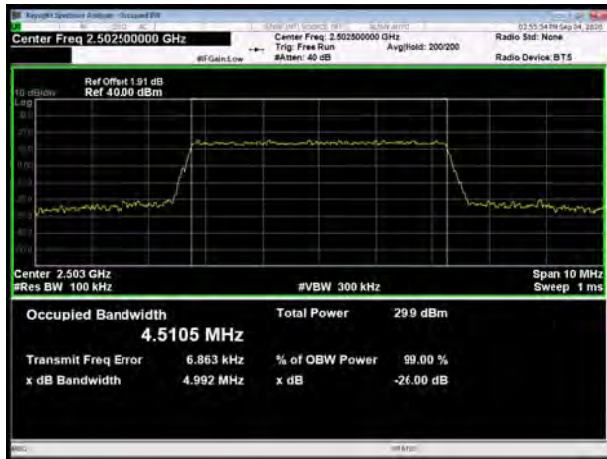


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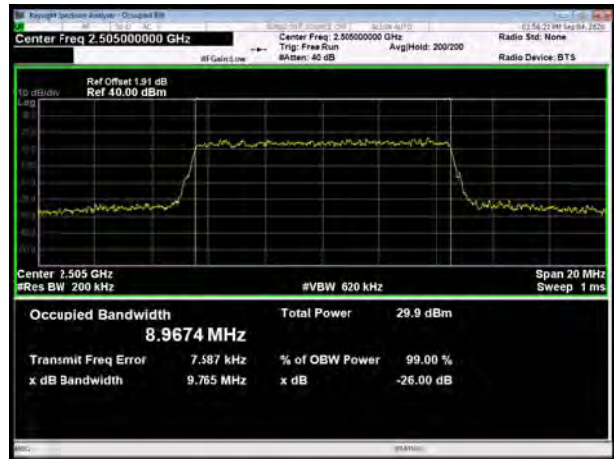




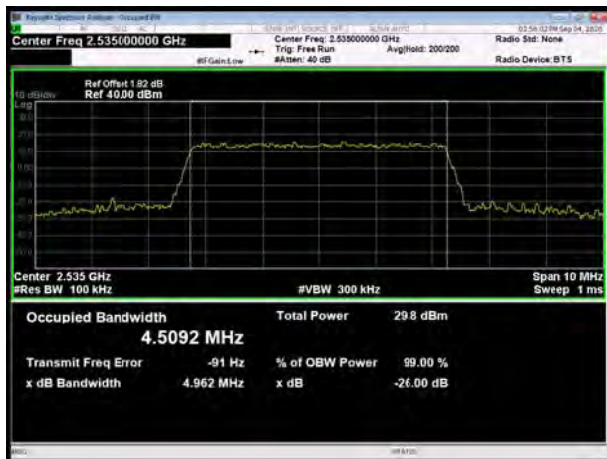
LTE Band 7 64QAM 5MHz CH-Low



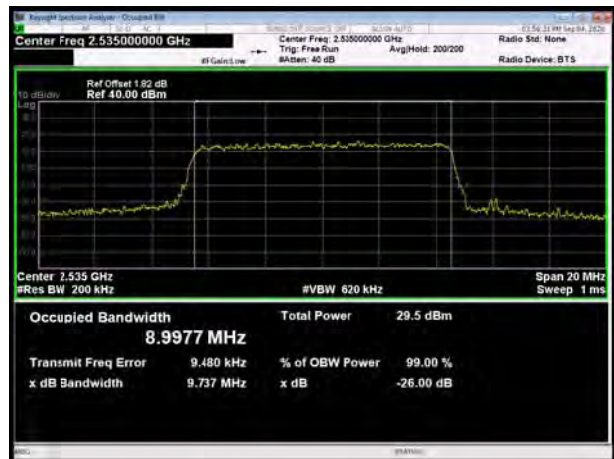
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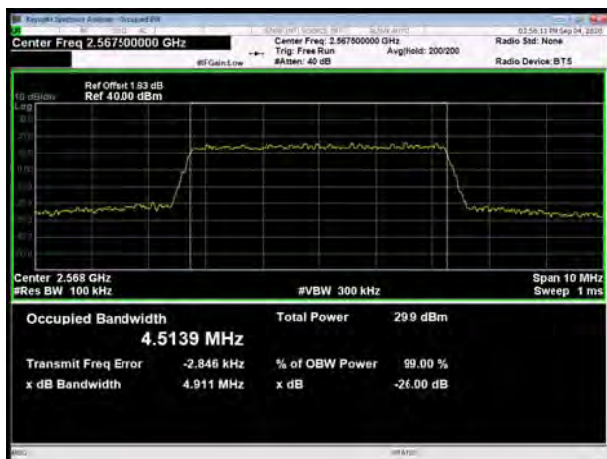
LTE Band 7 64QAM 5MHz CH-Middle



LTE Band 7 64QAM 10MHz CH-Middle



LTE Band 7 64QAM 5MHz CH-High

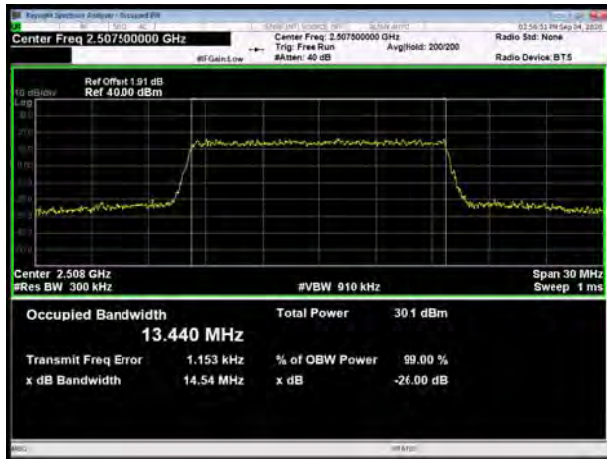


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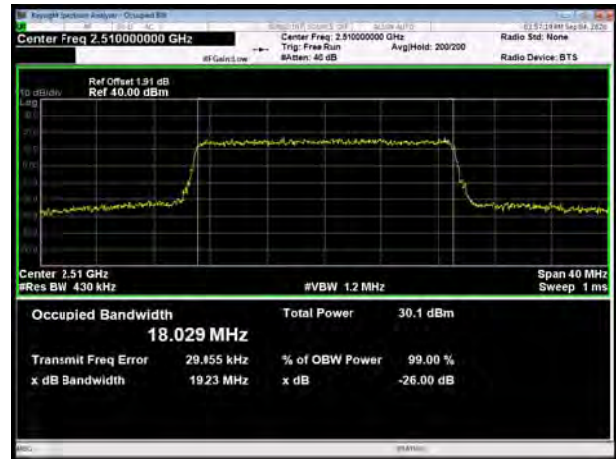




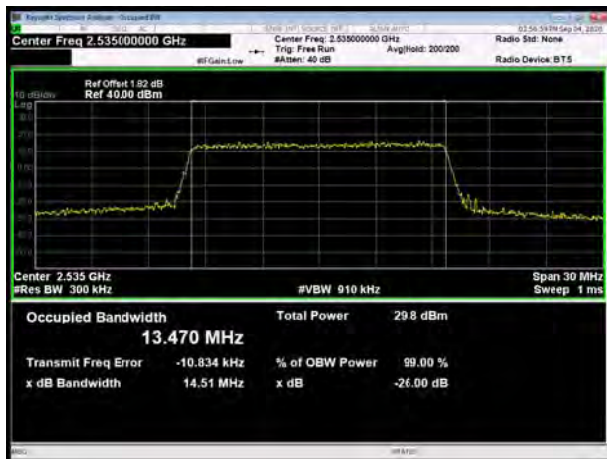
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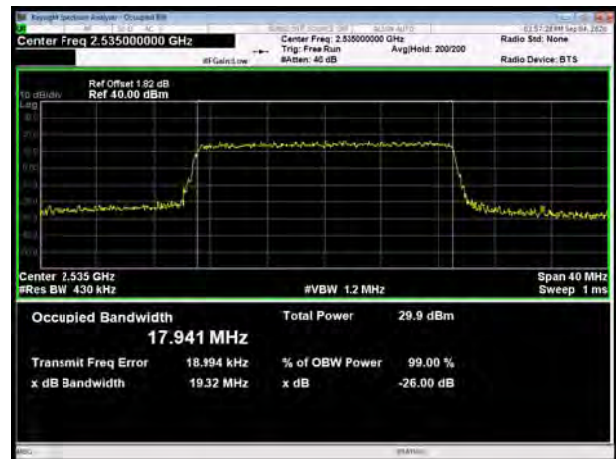
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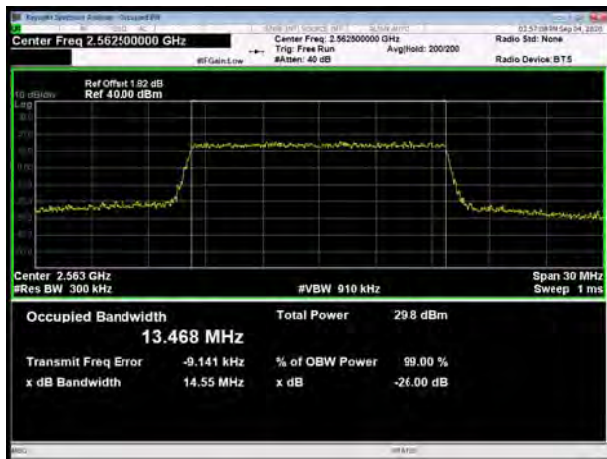
LTE Band 7 64QAM 15MHz CH-Middle



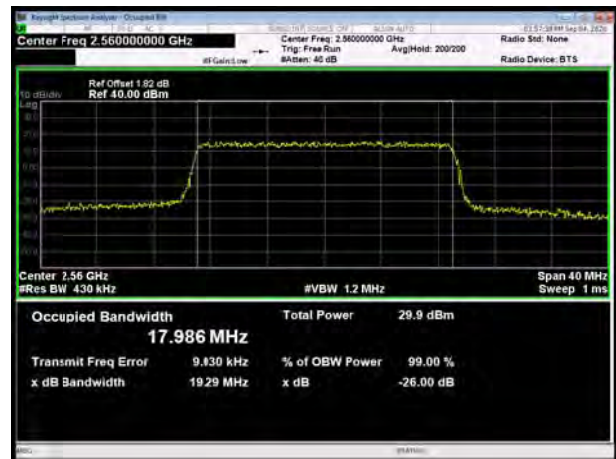
LTE Band 7 64QAM 20MHz CH-Middle



LTE Band 7 64QAM 15MHz CH-High

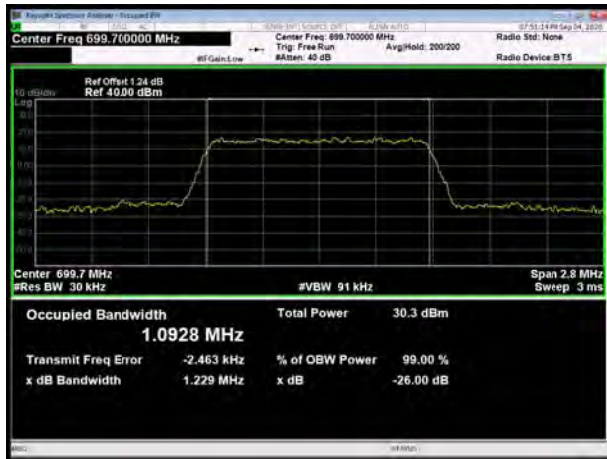


LTE Band 7 64QAM 20MHz CH-High

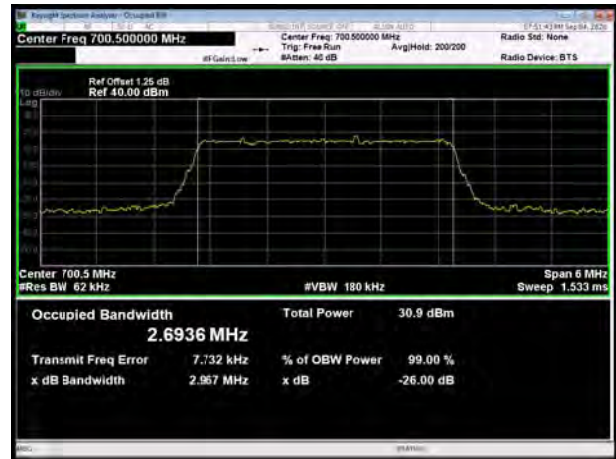




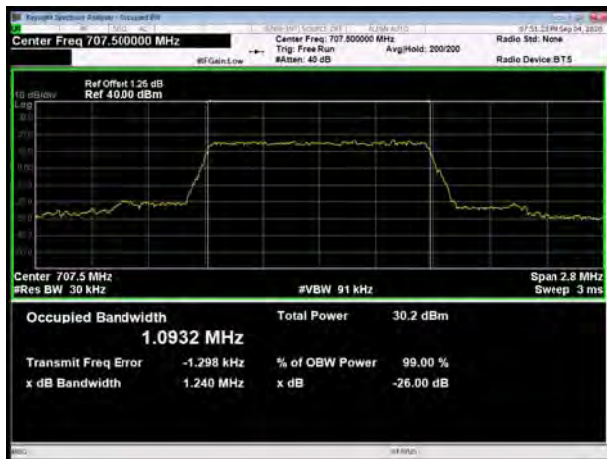
LTE Band 12 QPSK 1.4MHz CH-Low



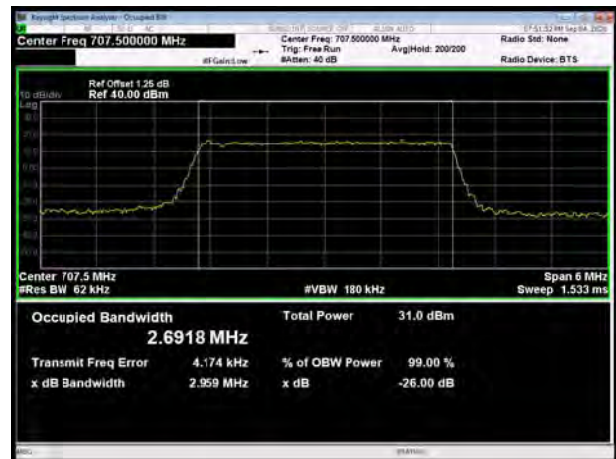
LTE Band 12 QPSK 3MHz CH-Low



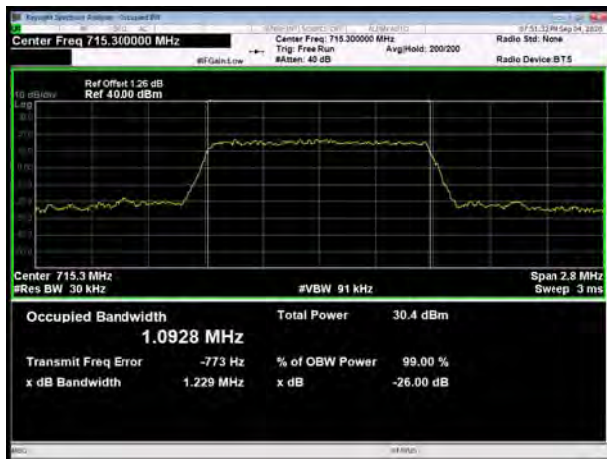
LTE Band 12 QPSK 1.4MHz CH-Middle



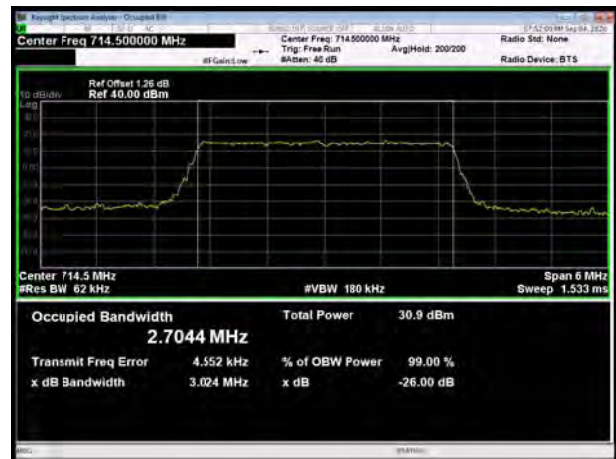
LTE Band 12 QPSK 3MHz CH-Middle



LTE Band 12 QPSK 1.4MHz CH-High

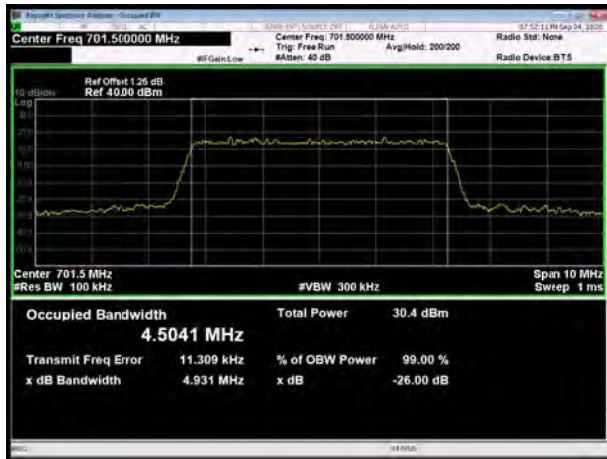


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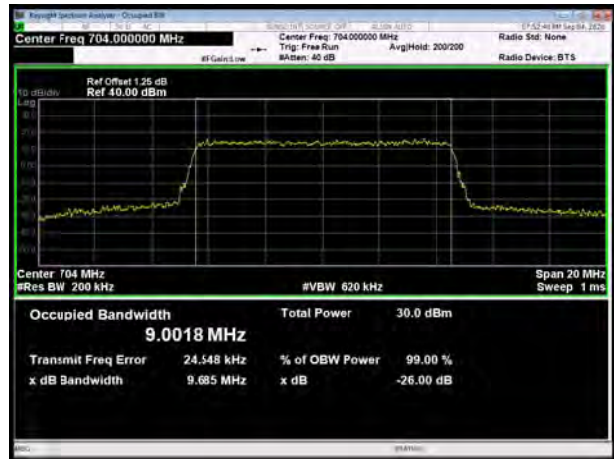




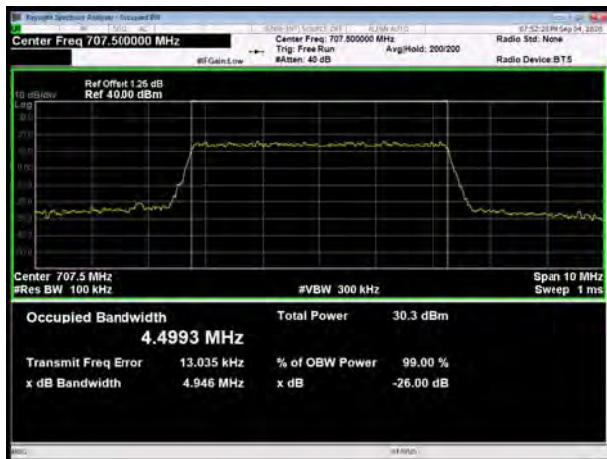
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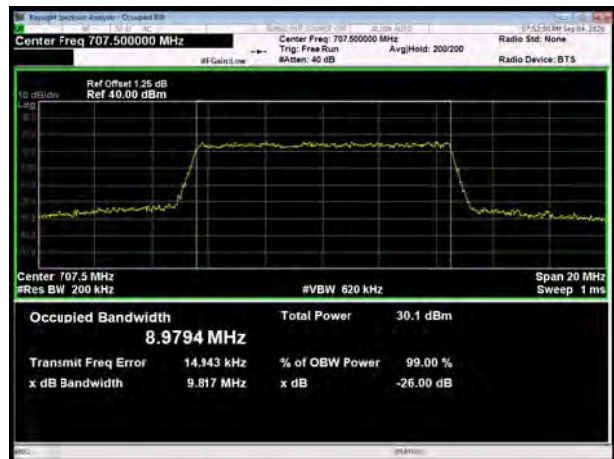
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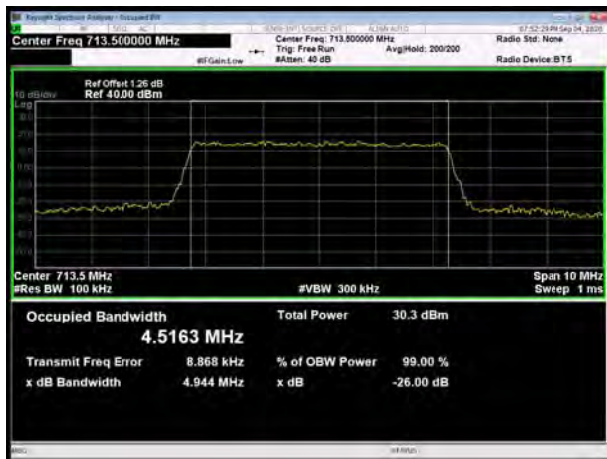
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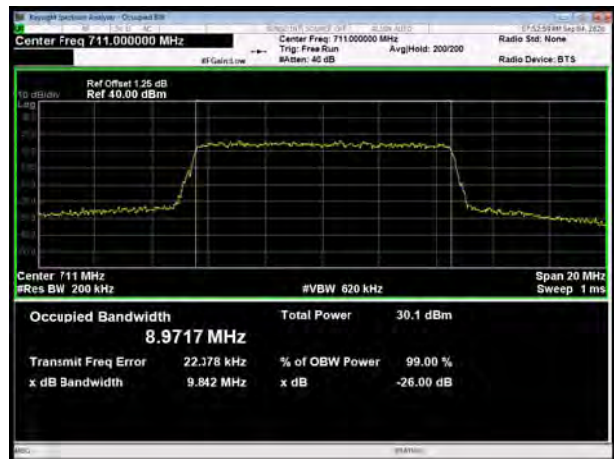
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LTE Band 12 QPSK 5MHz CH-High

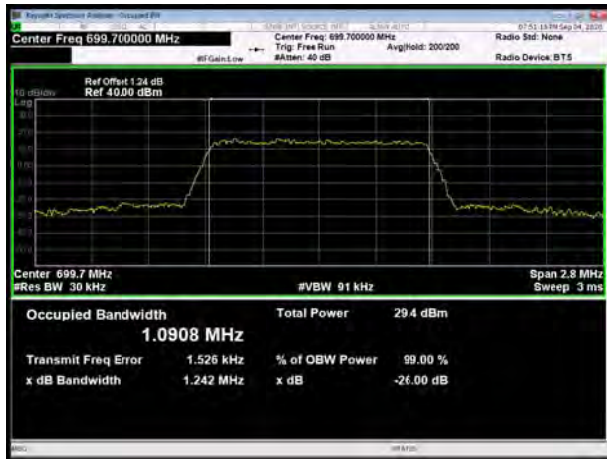


LTE Band 12 QPSK 10MHz CH-High

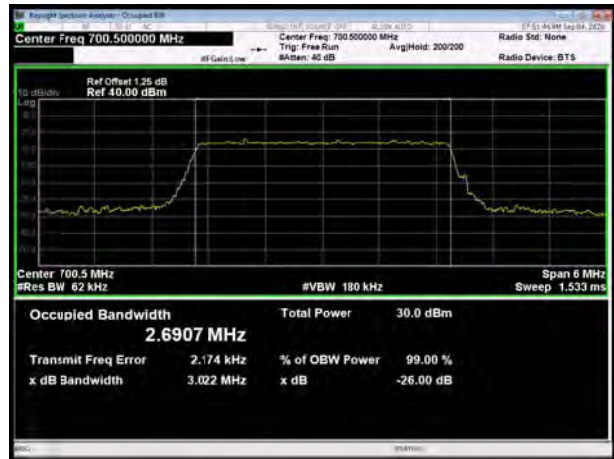




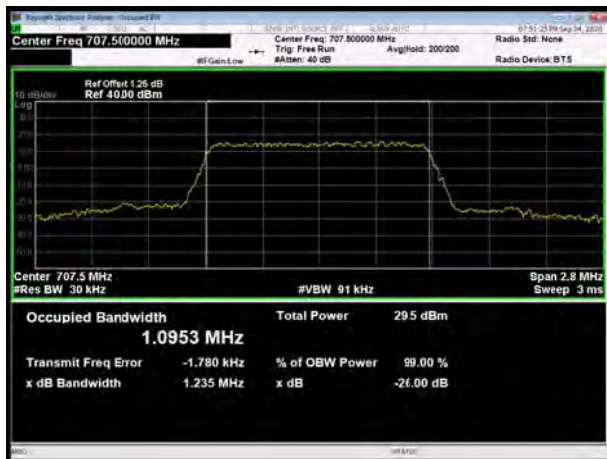
LTE Band 12 16QAM 1.4MHz CH-Low



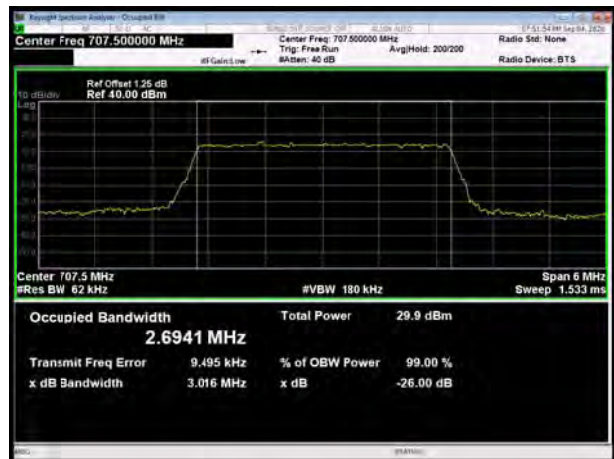
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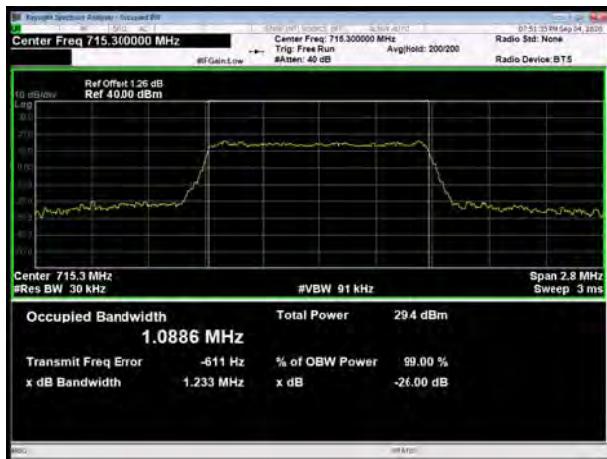
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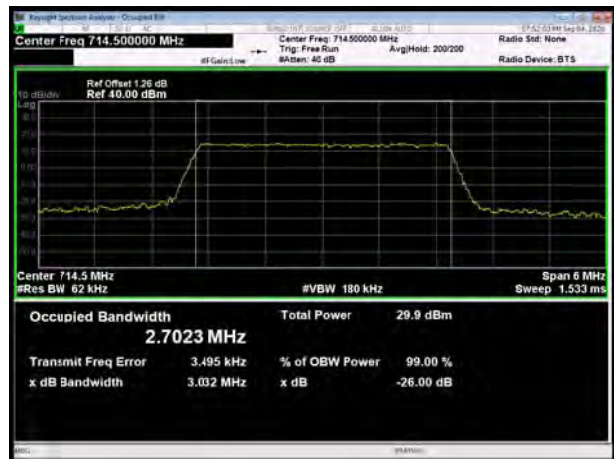
LTE Band 12 16QAM 3MHz CH-Middle



LTE Band 12 16QAM 1.4MHz CH-High

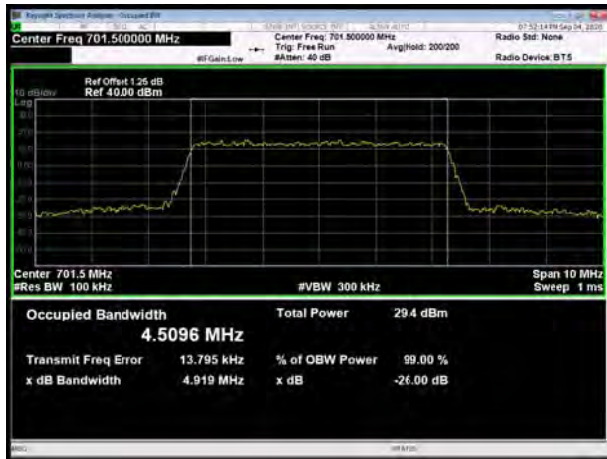


LTE Band 12 16QAM 3MHz CH-High

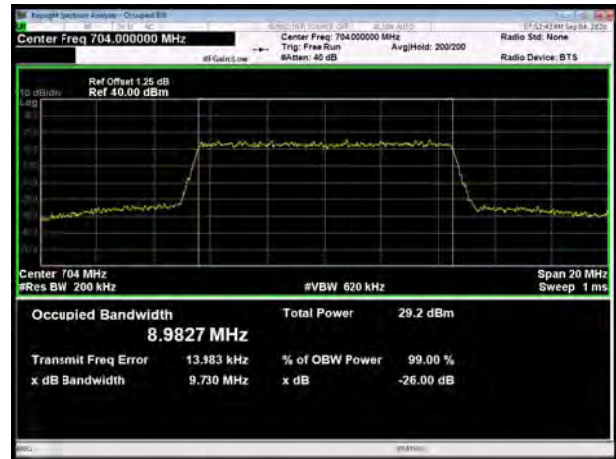




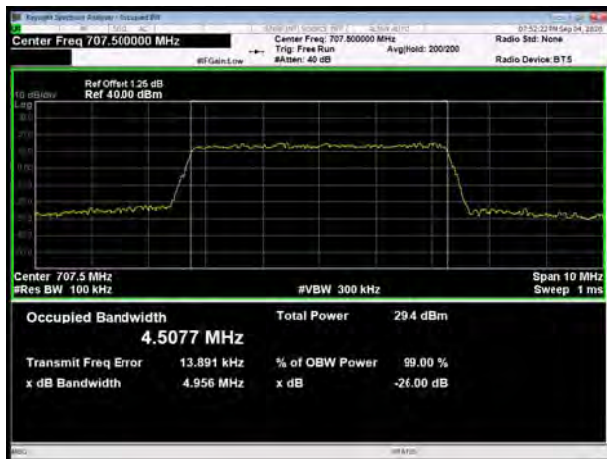
LTE Band 12 16QAM 5MHz CH-Low



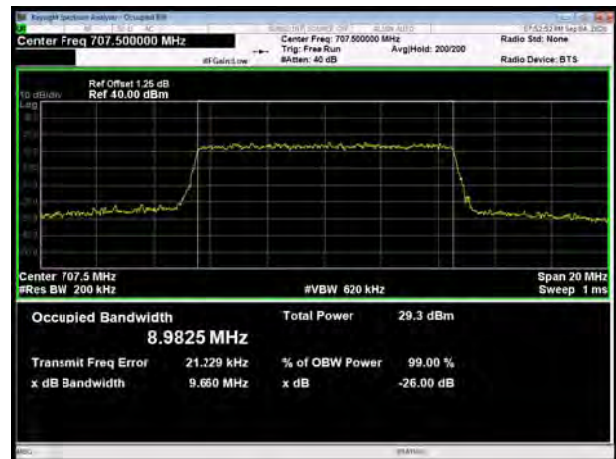
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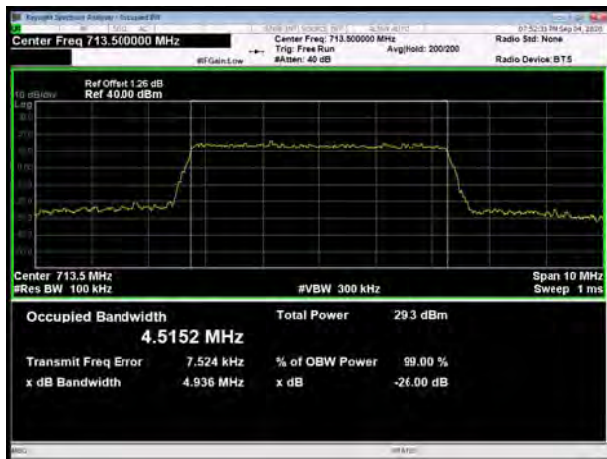
LTE Band 12 16QAM 5MHz CH-Middle



LTE Band 12 16QAM 10MHz CH-Middle



LTE Band 12 16QAM 5MHz CH-High

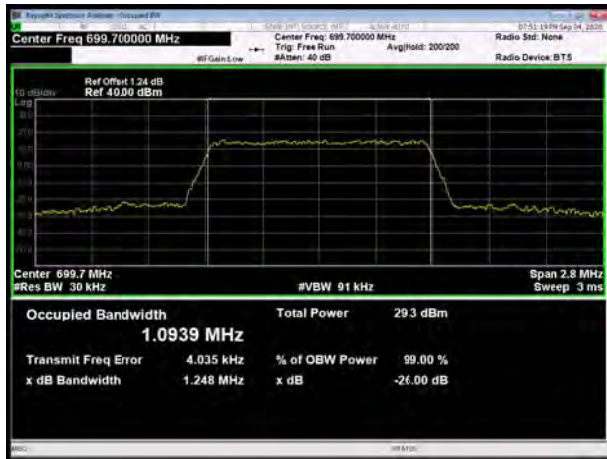


LTE Band 12 16QAM 10MHz CH-High

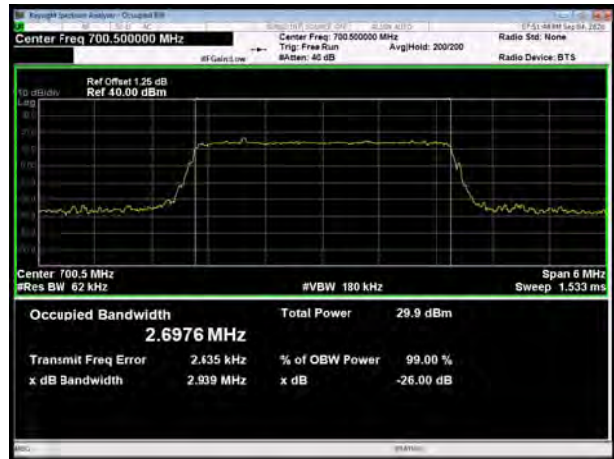




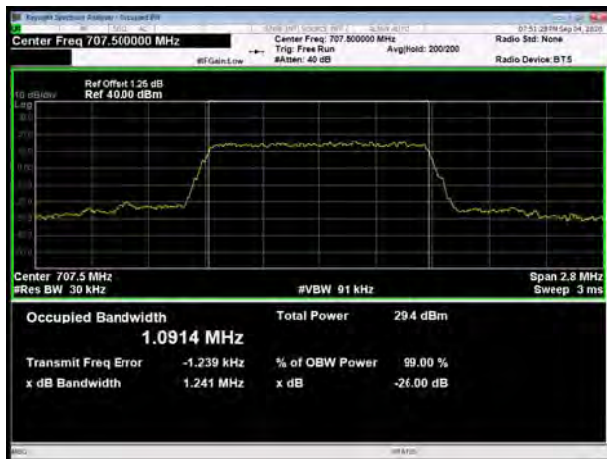
LTE Band 12 64QAM 1.4MHz CH-Low



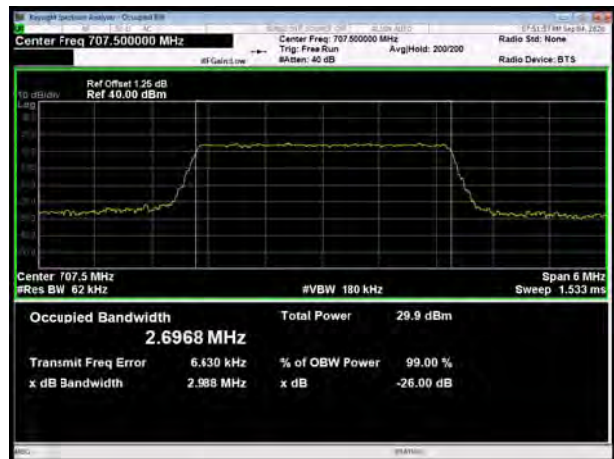
LTE Band 12 64QAM 3MHz CH-Low



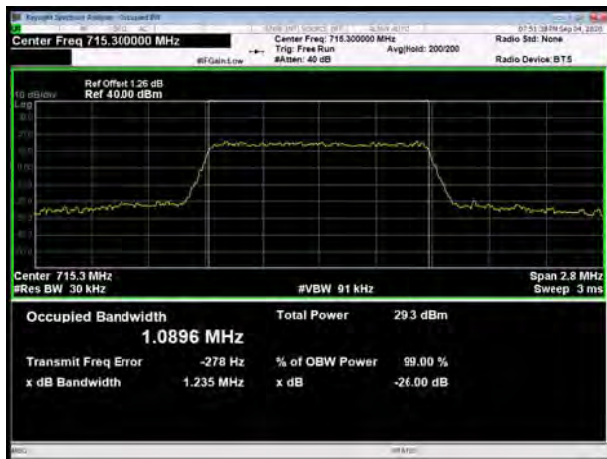
LTE Band 12 64QAM 1.4MHz CH-Middle



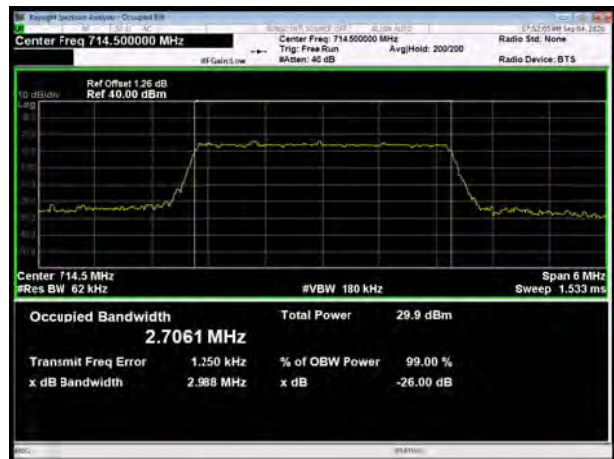
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LTE Band 12 64QAM 1.4MHz CH-High

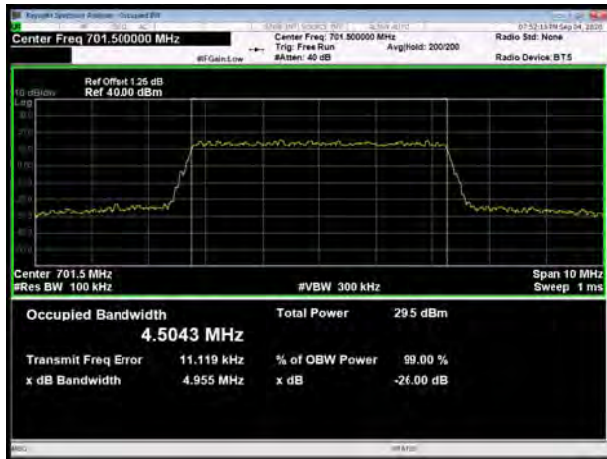


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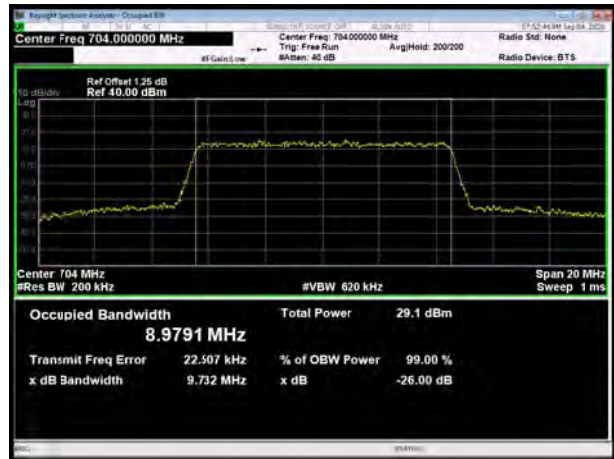




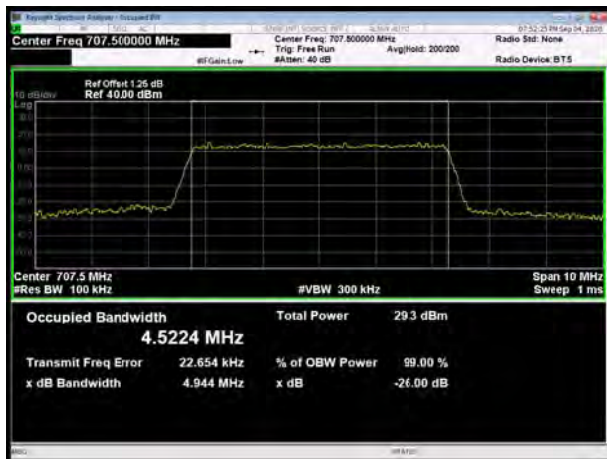
LTE Band 12 64QAM 5MHz CH-Low



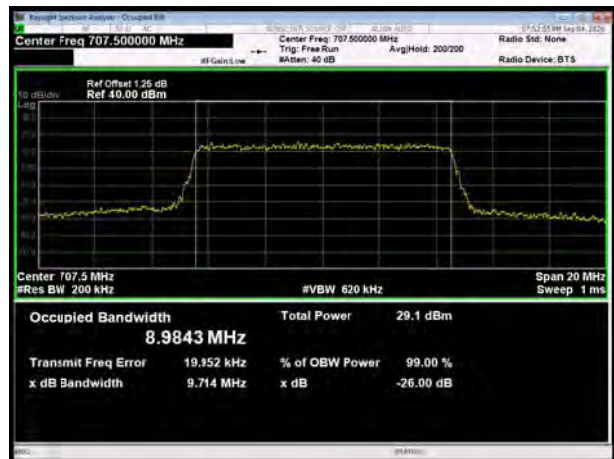
LTE Band 12 64QAM 10MHz CH-Low



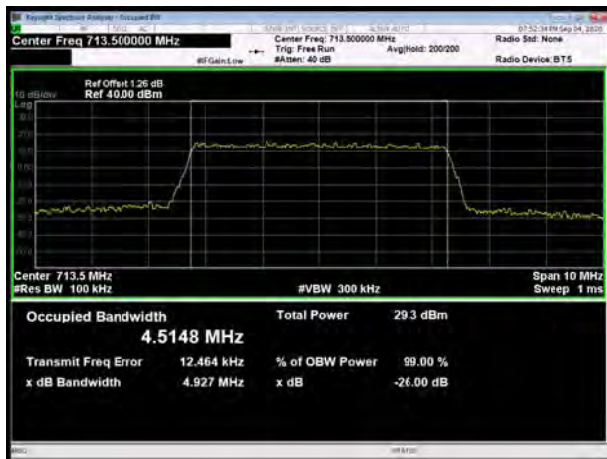
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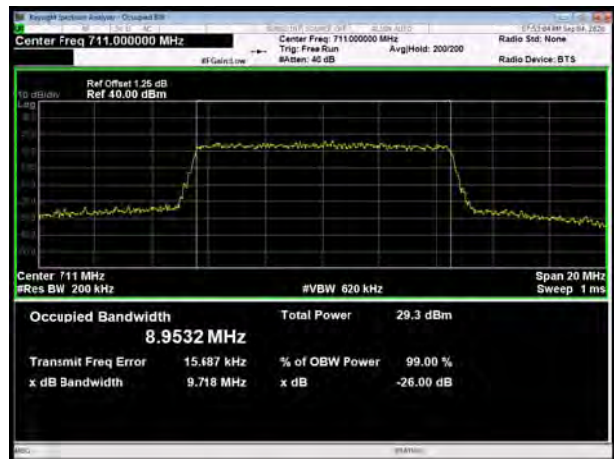
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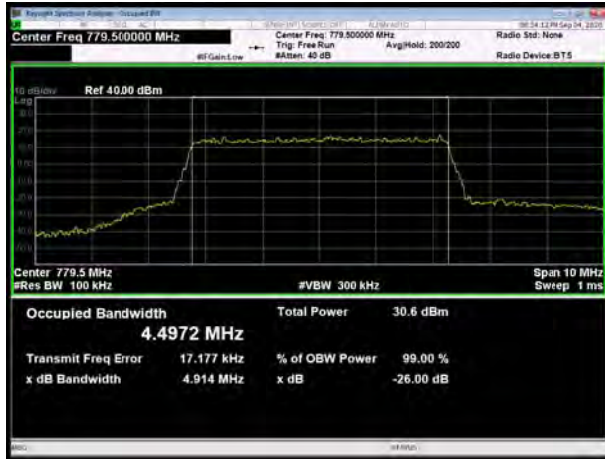


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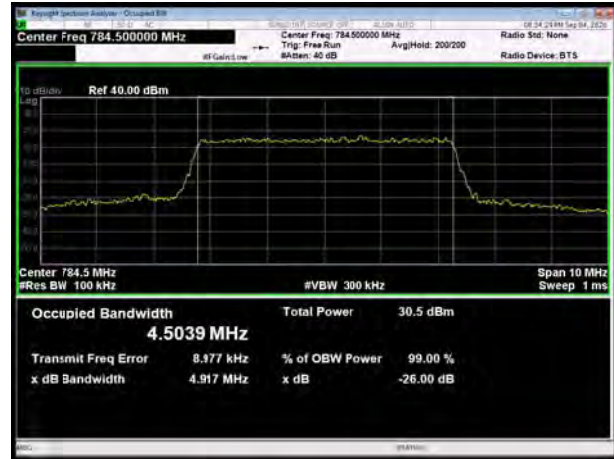




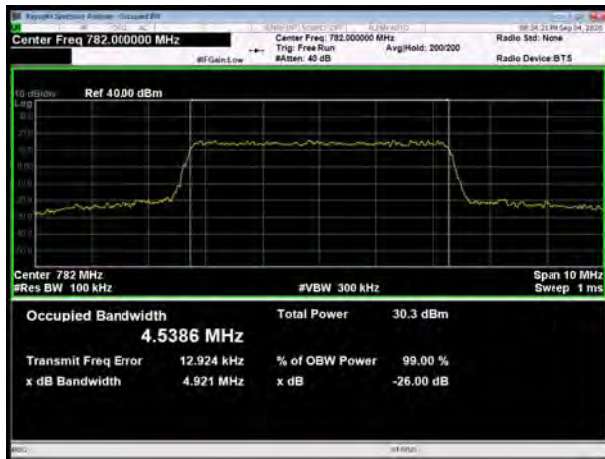
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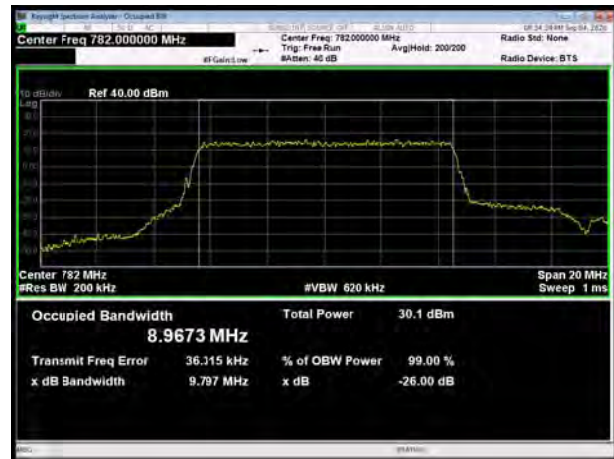
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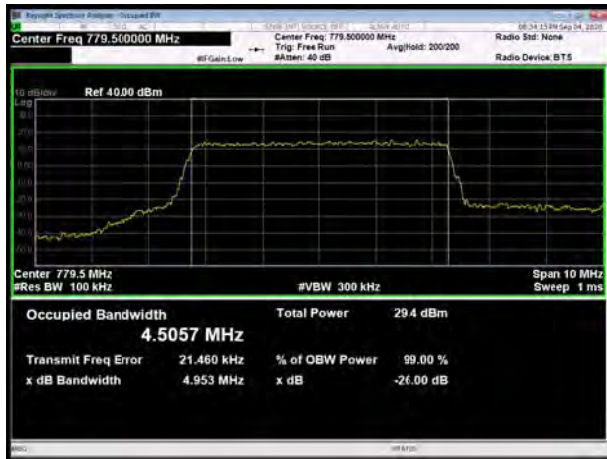


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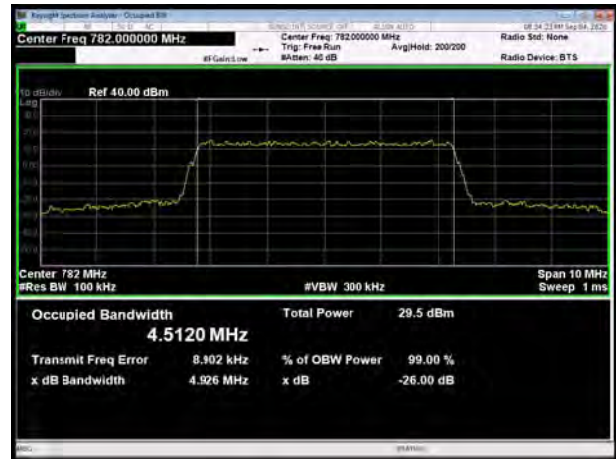




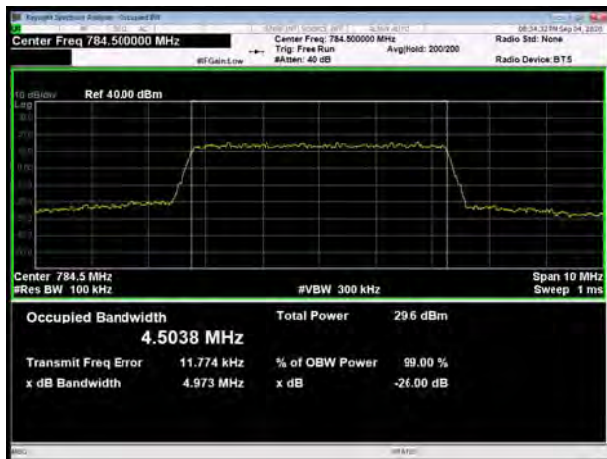
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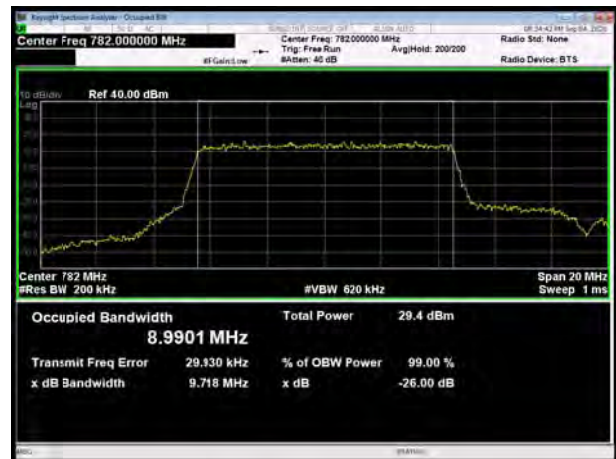
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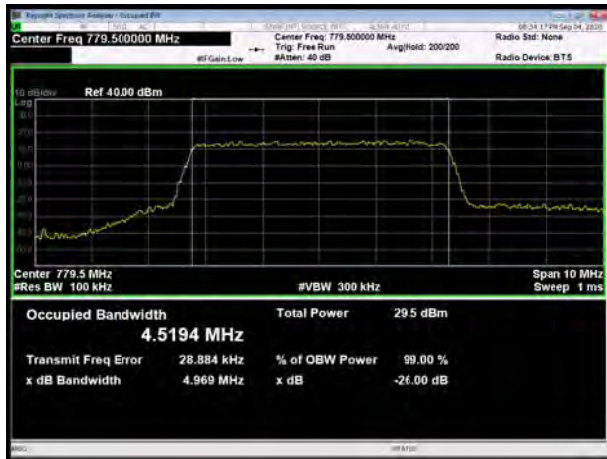


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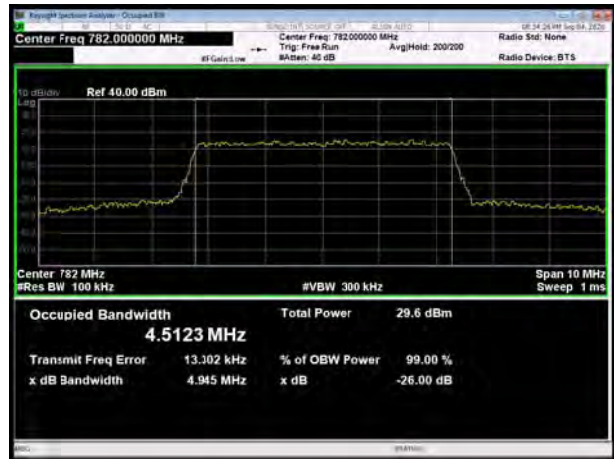




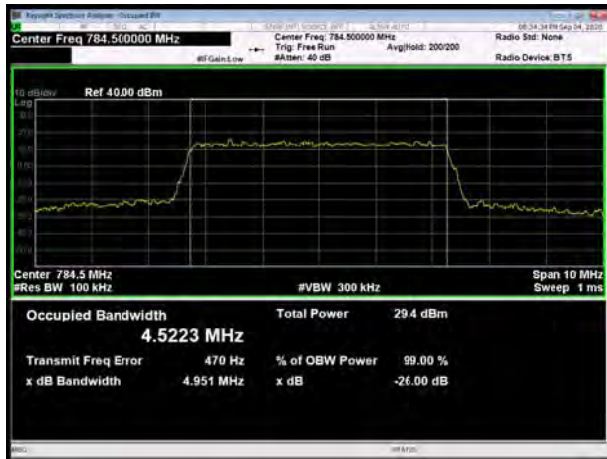
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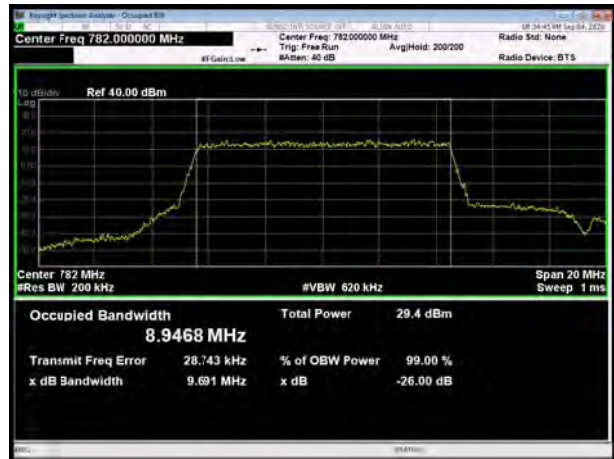
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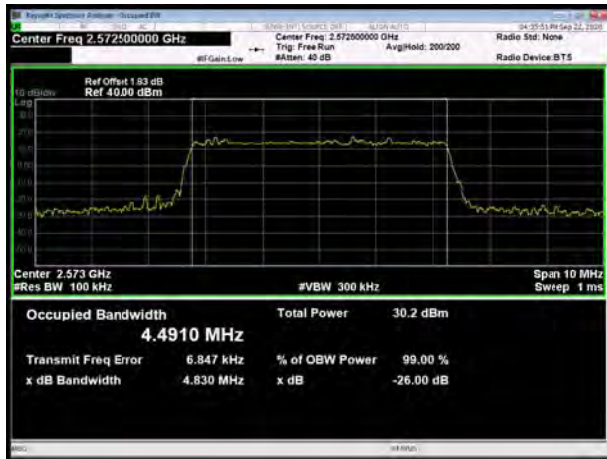


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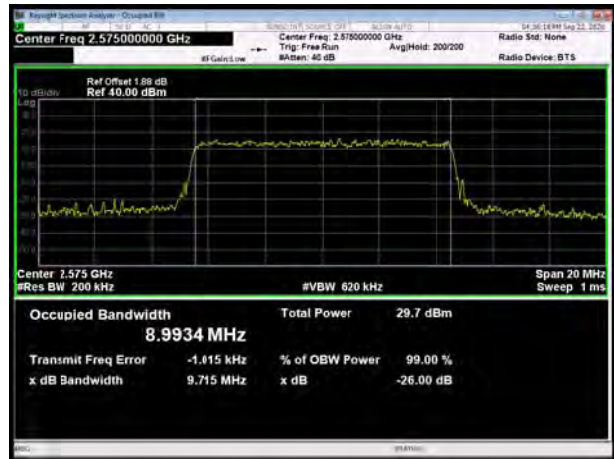




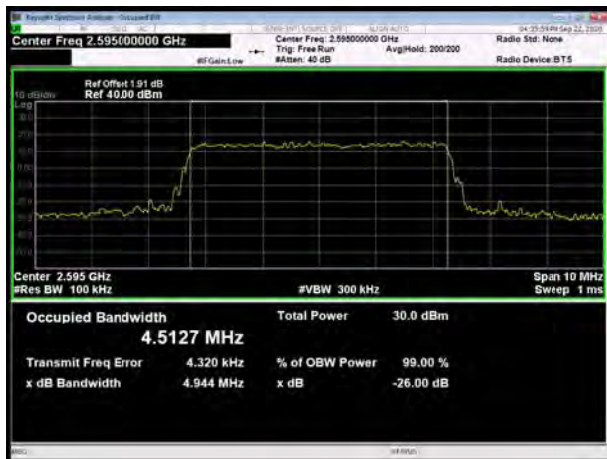
LTE Band 38 QPSK 5MHz CH-Low



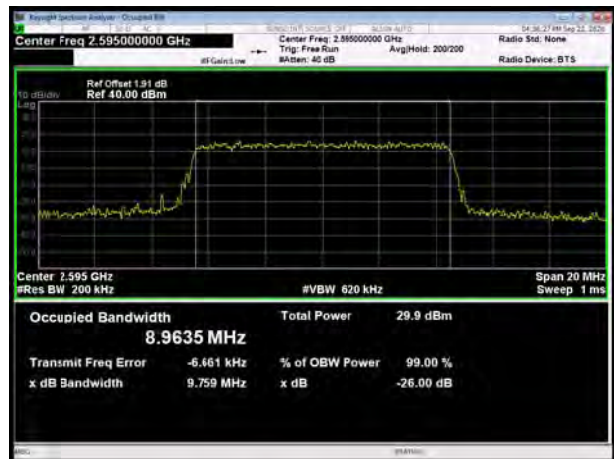
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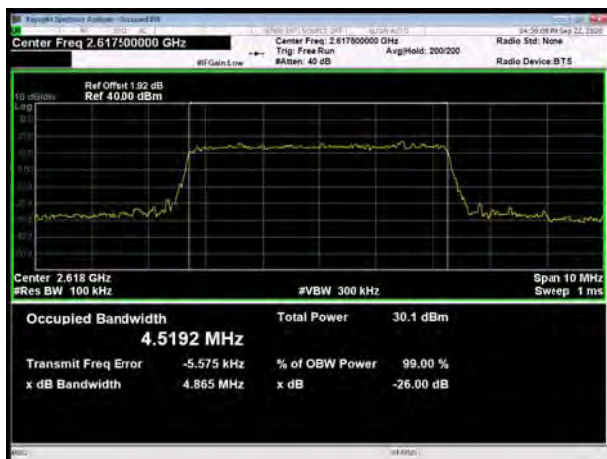
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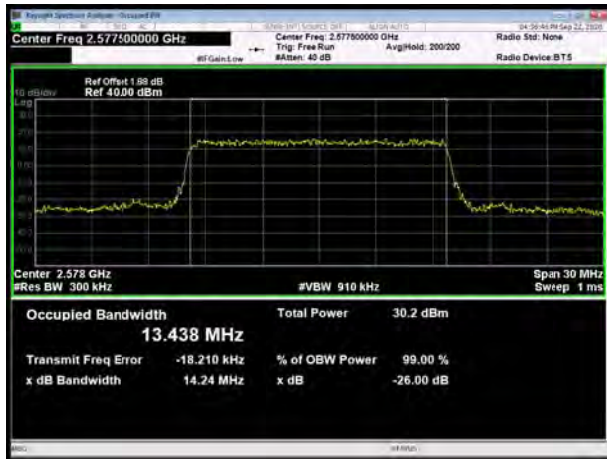
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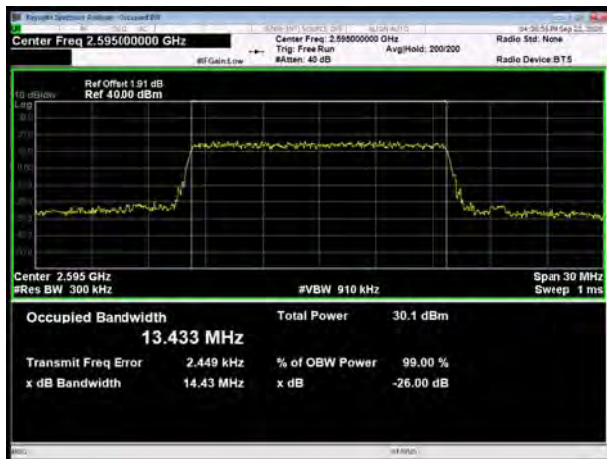
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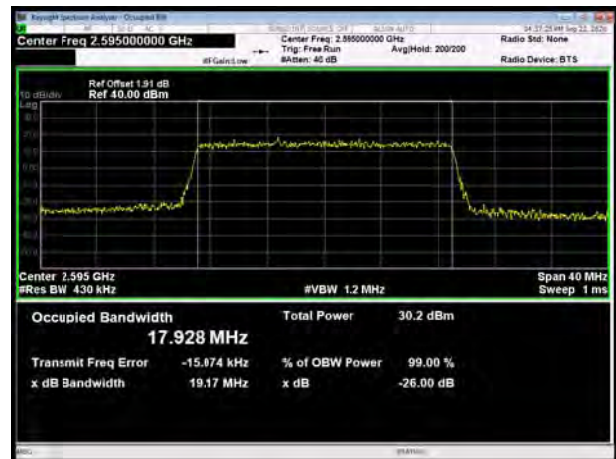
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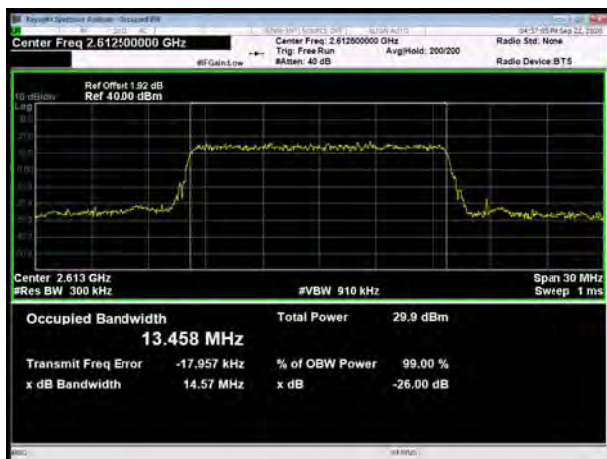
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LTE Band 38 QPSK 20MHz CH-Middle



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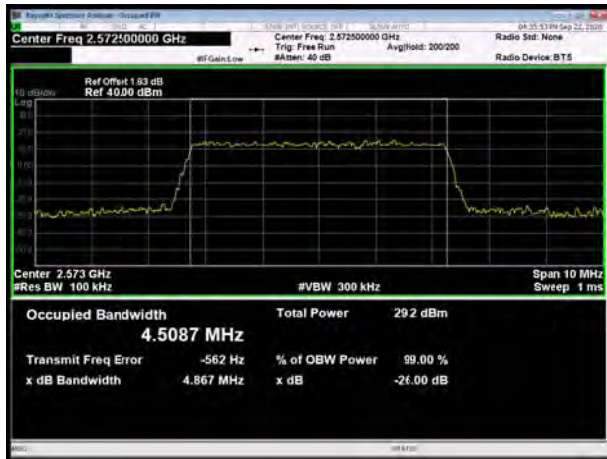


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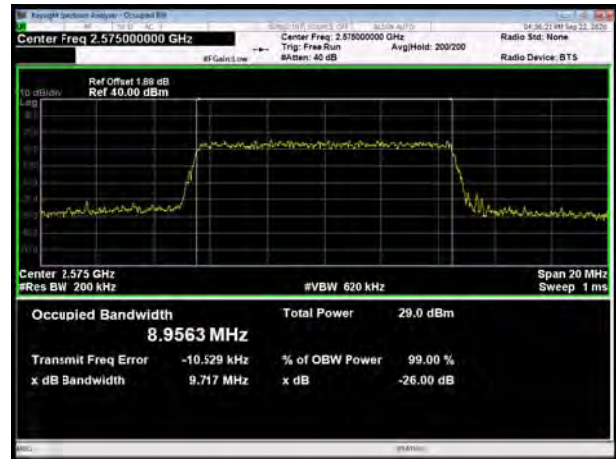




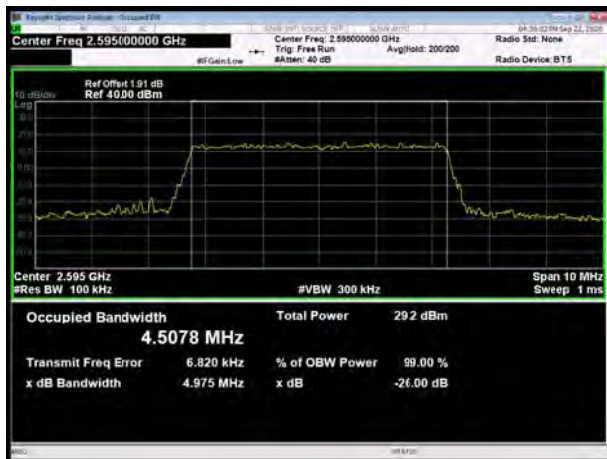
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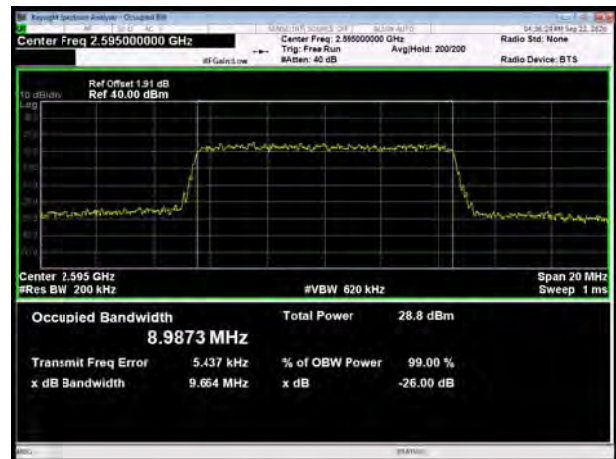
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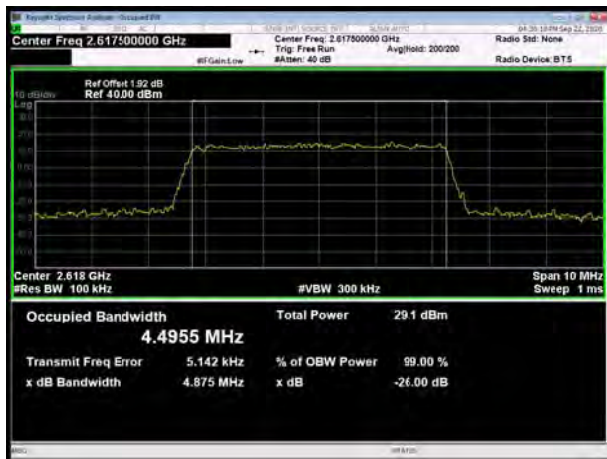
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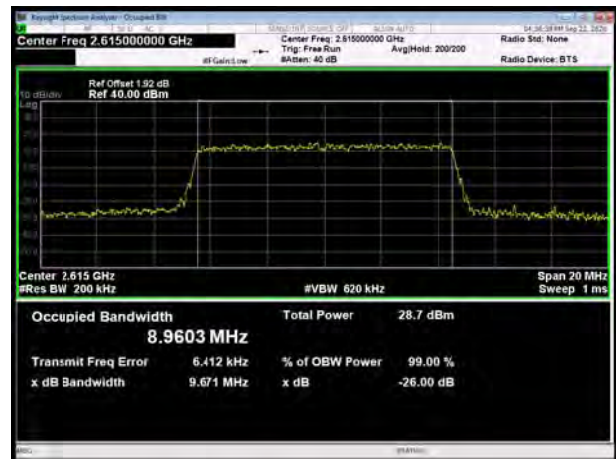
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LTE Band 38 16QAM 5MHz CH-High



LTE Band 38 16QAM 10MHz CH-High

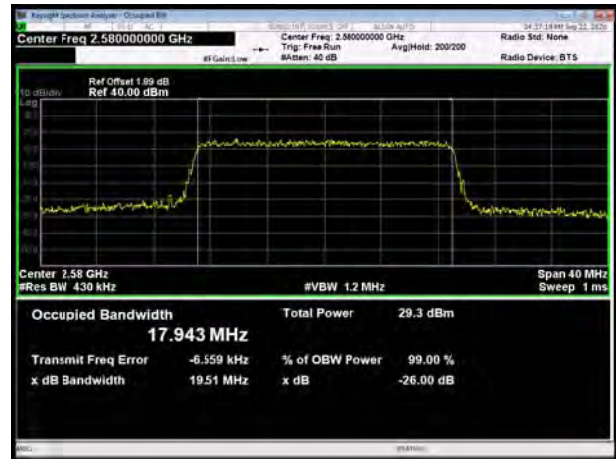




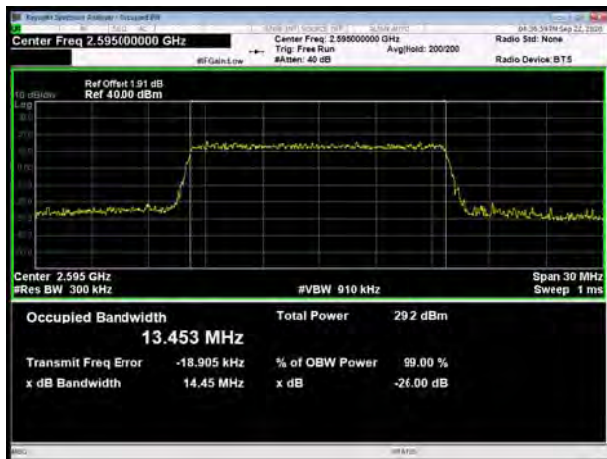
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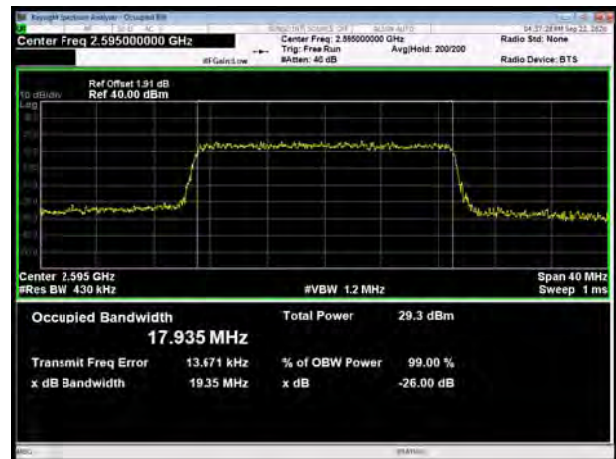
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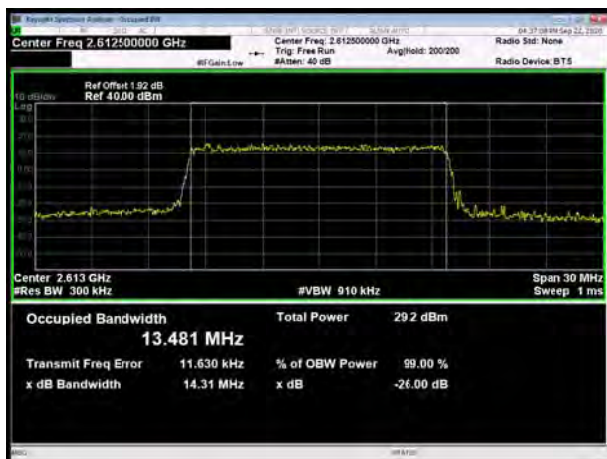
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LTE Band 38 16QAM 20MHz CH-Middle



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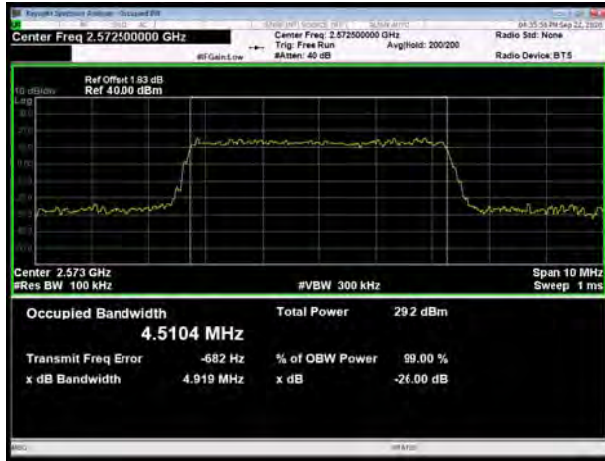


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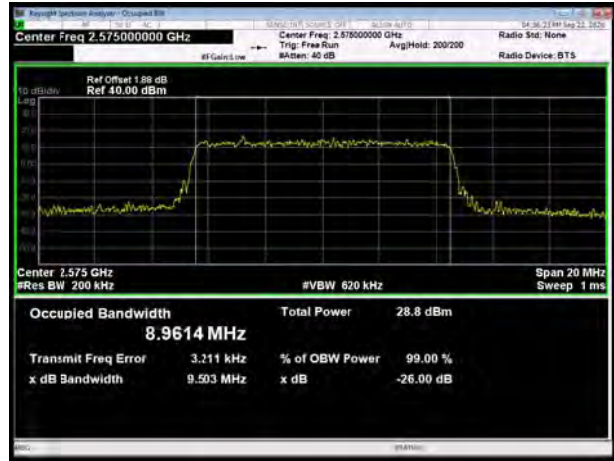




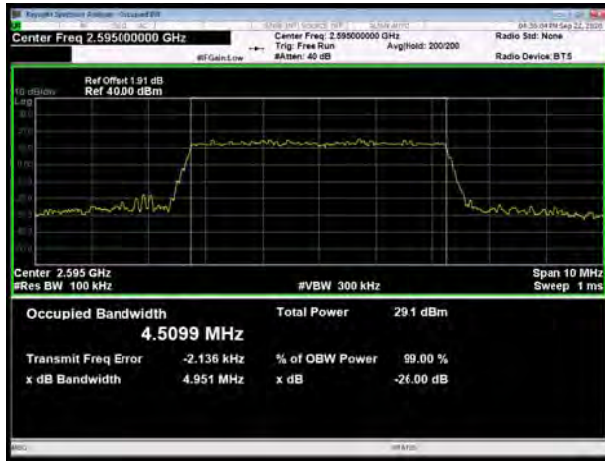
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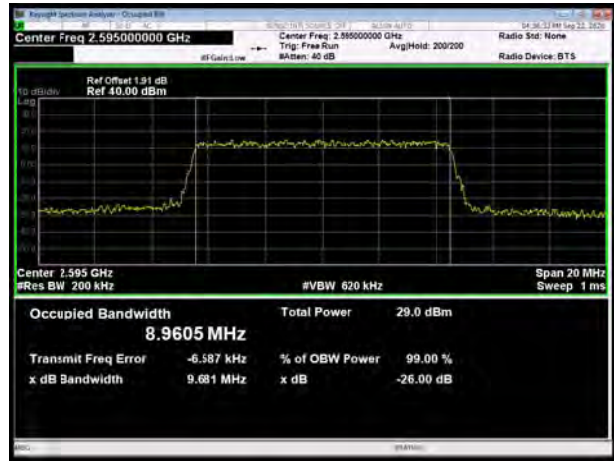
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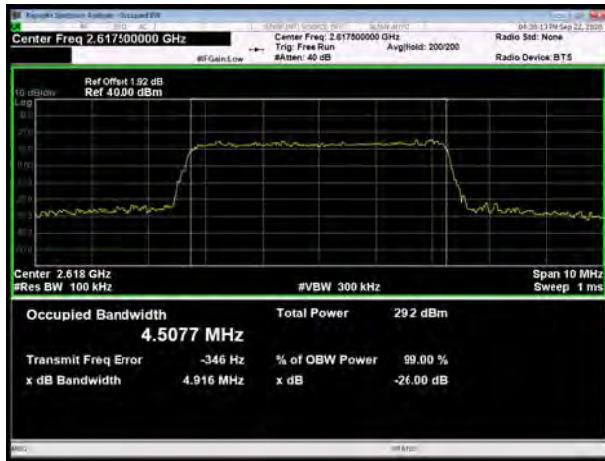
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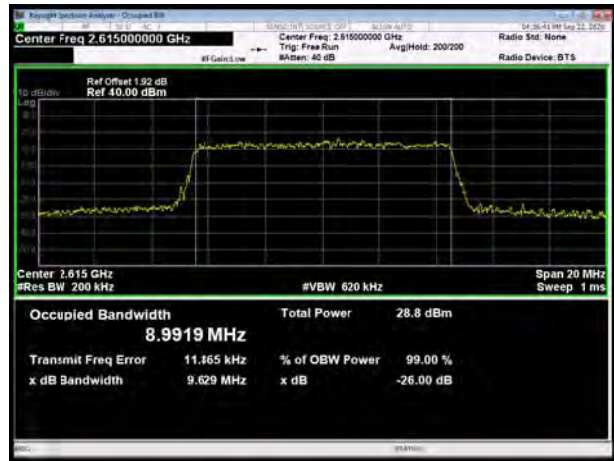
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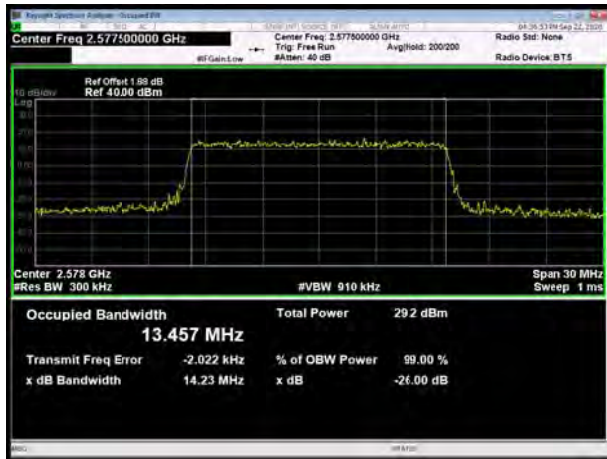


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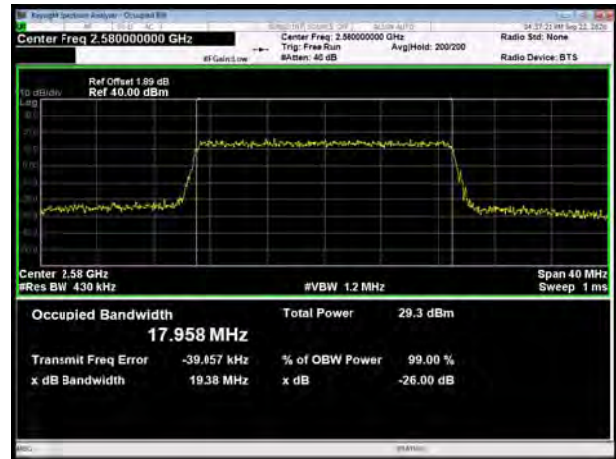




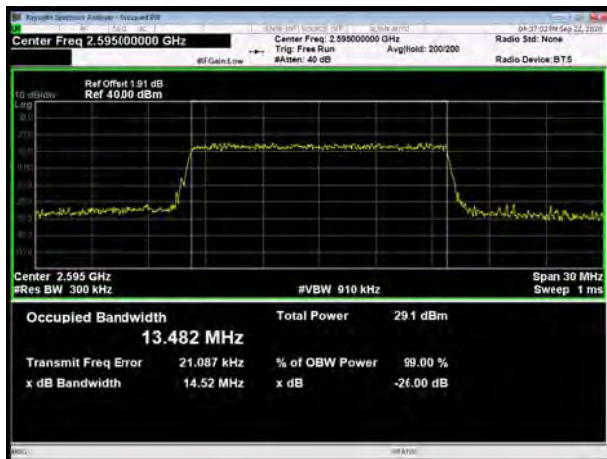
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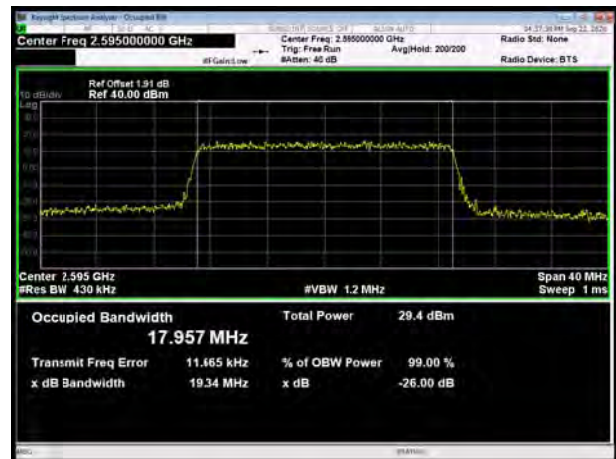
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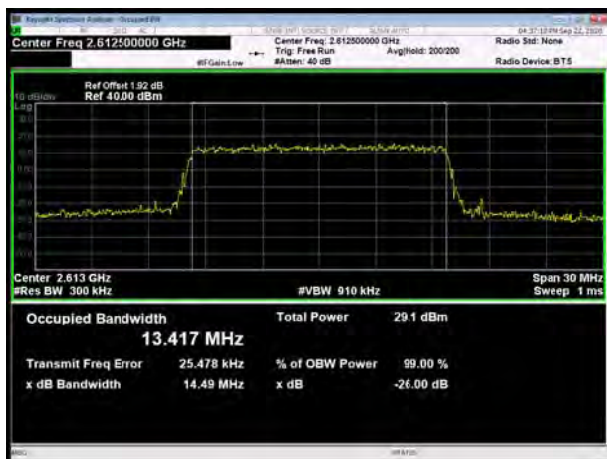
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LTE Band 38 64QAM 20MHz CH-Middle



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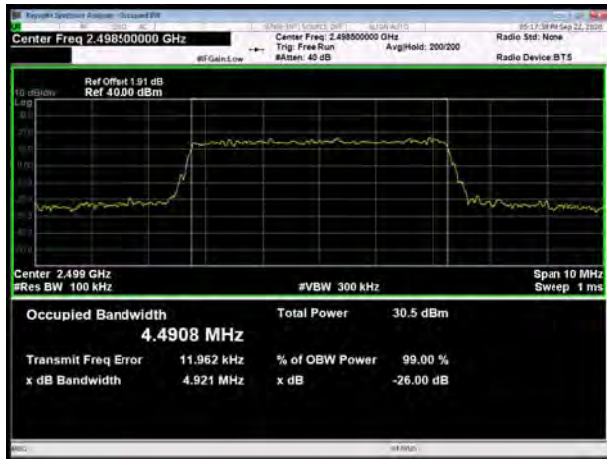


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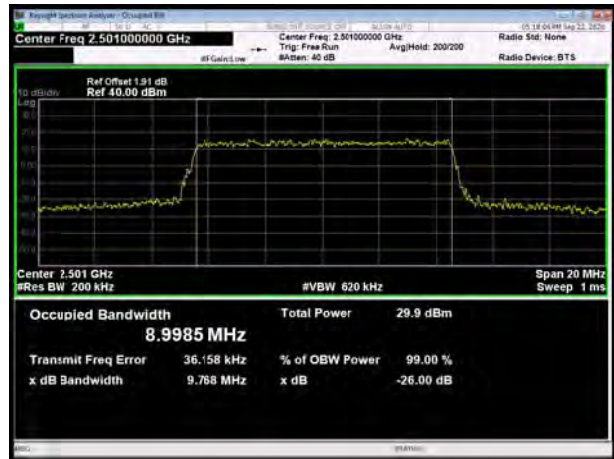




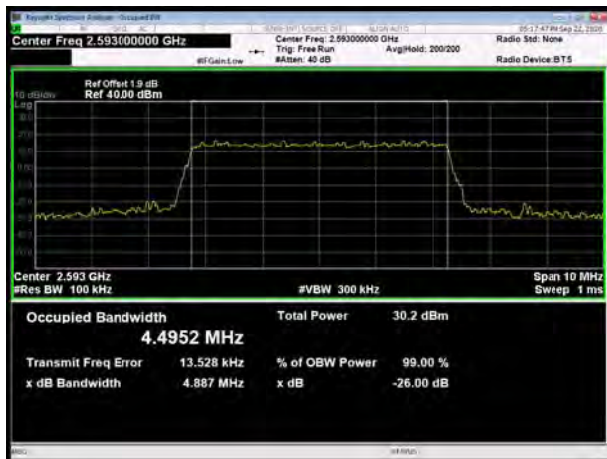
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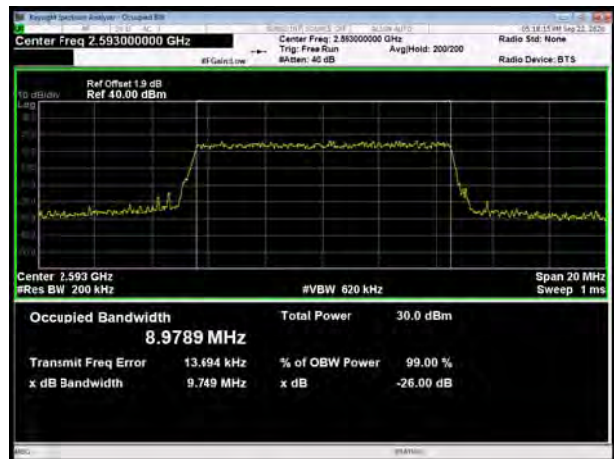
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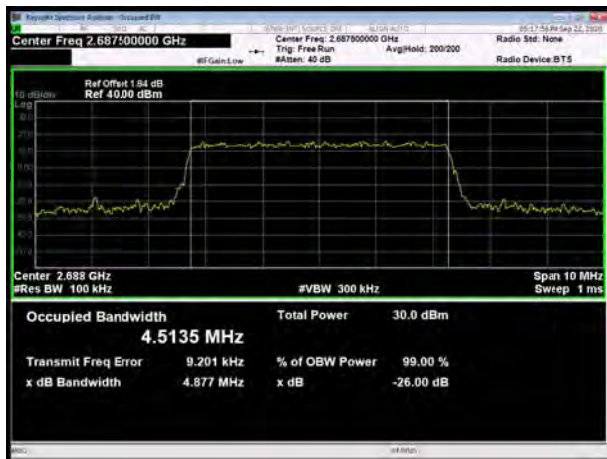
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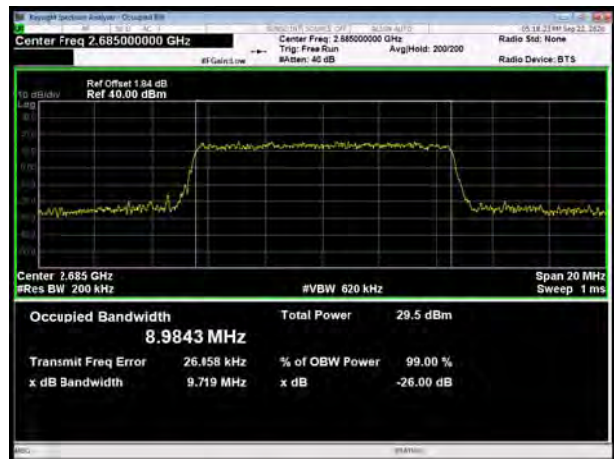
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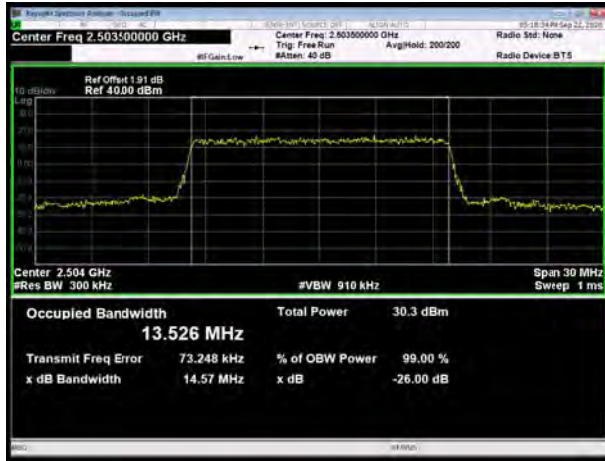


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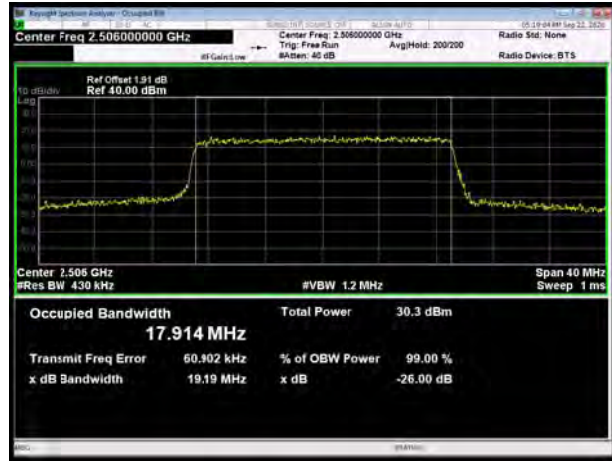




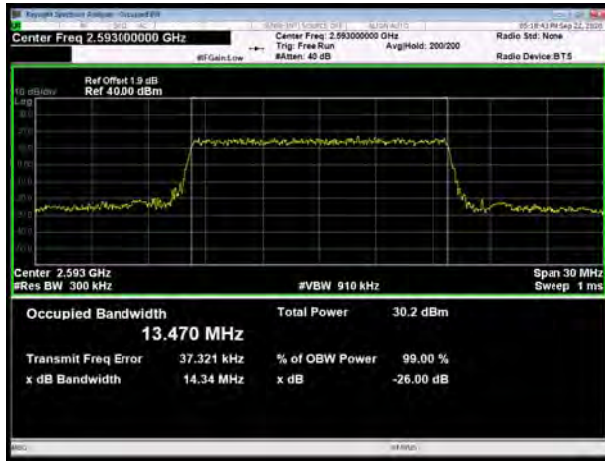
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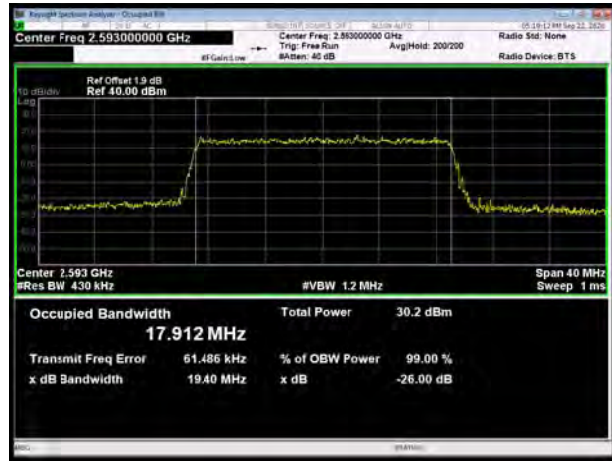
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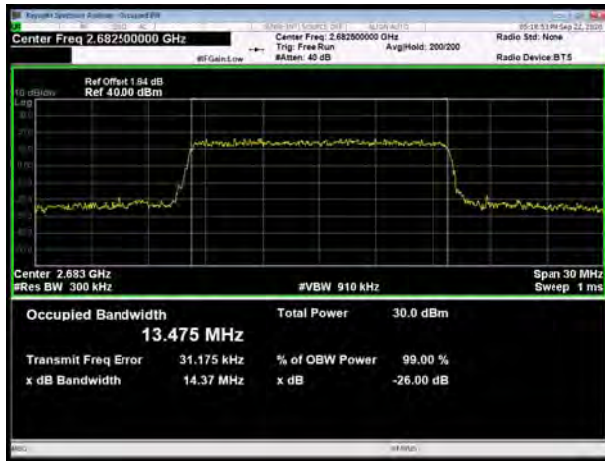
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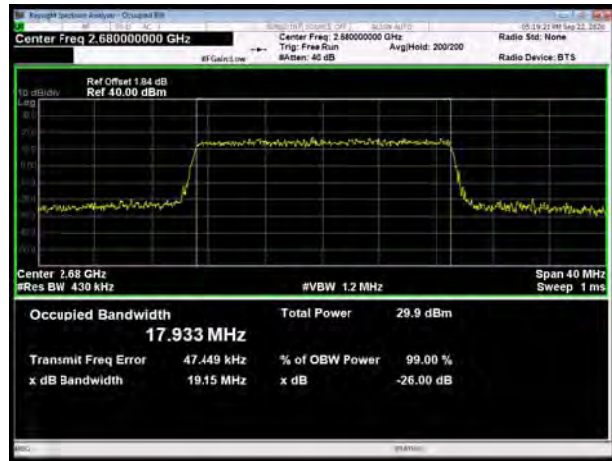
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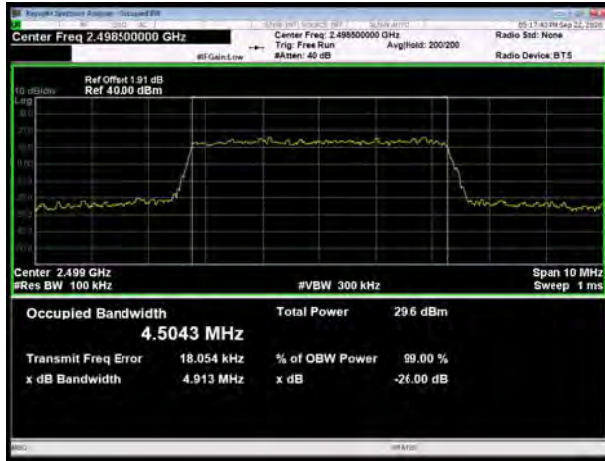


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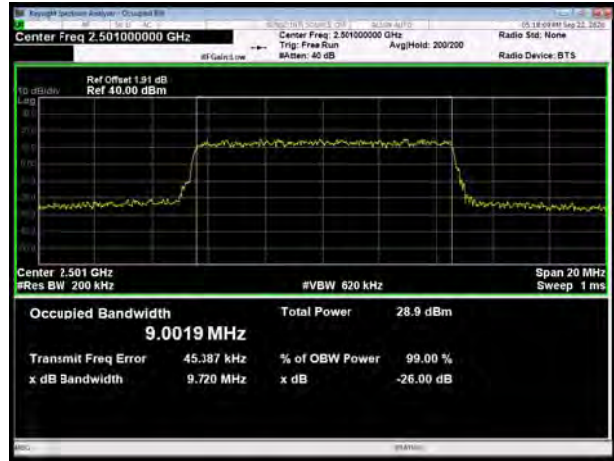




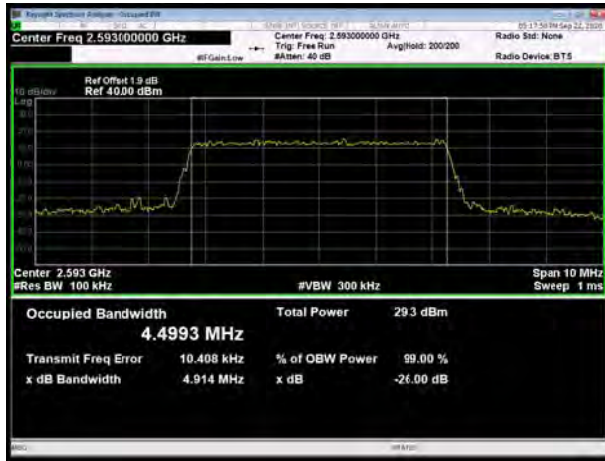
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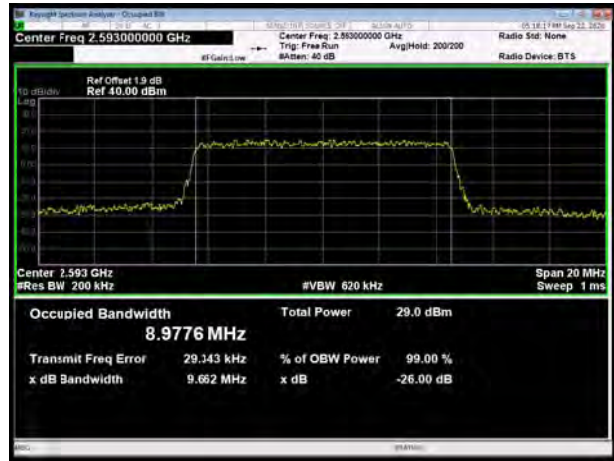
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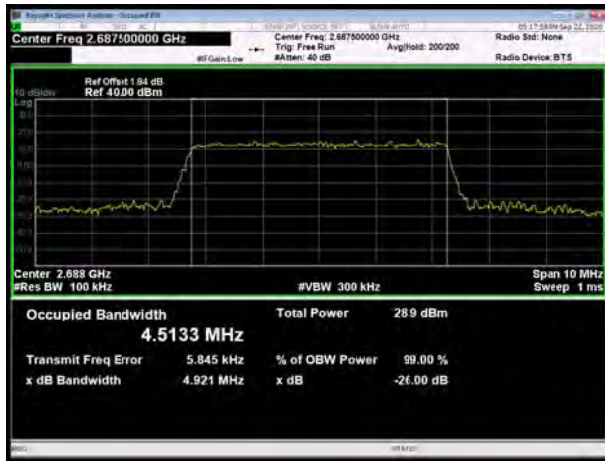
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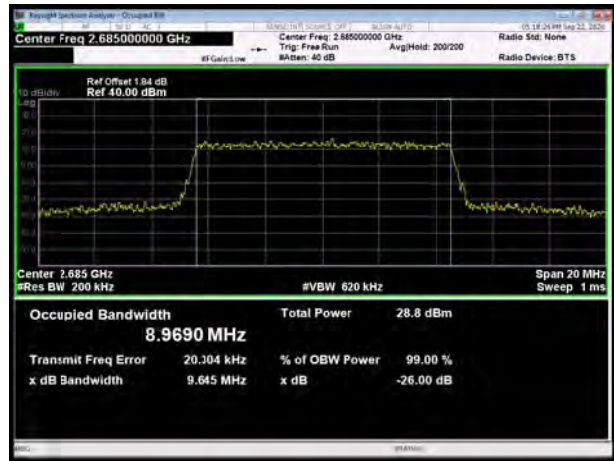
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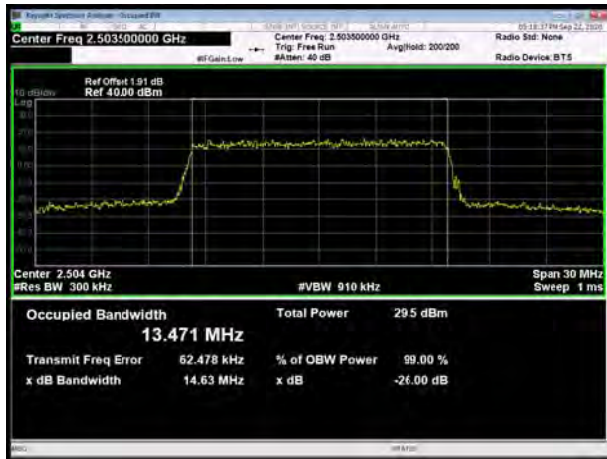


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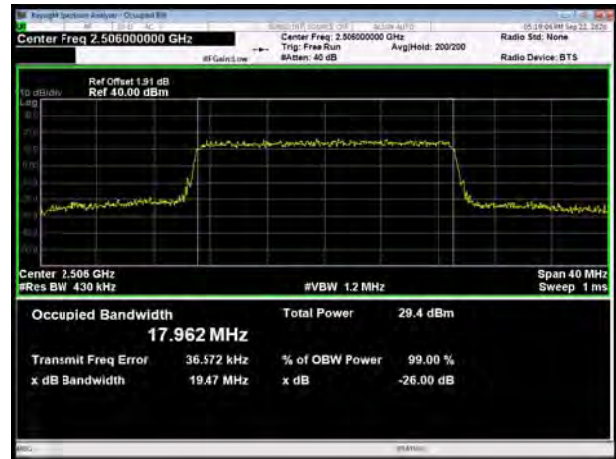




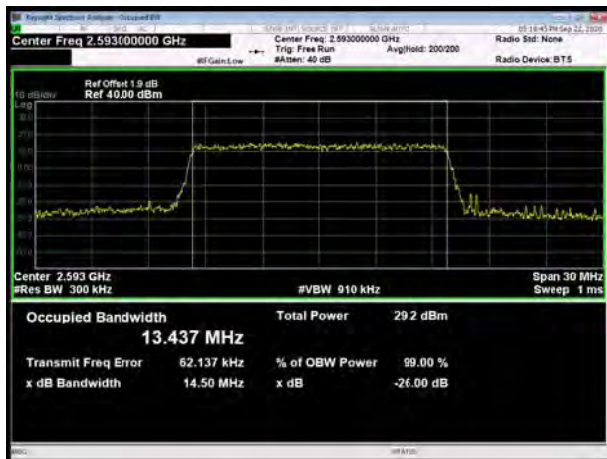
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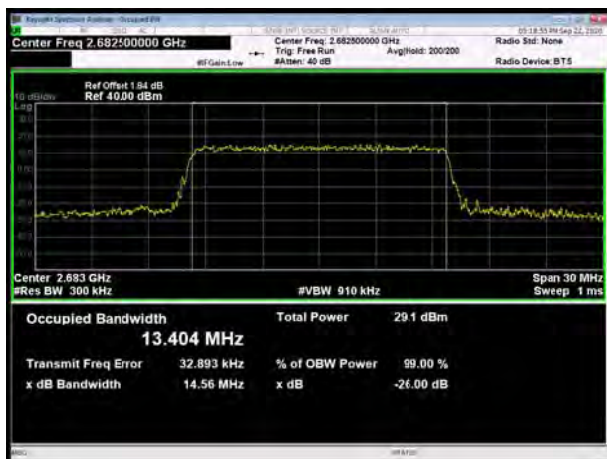
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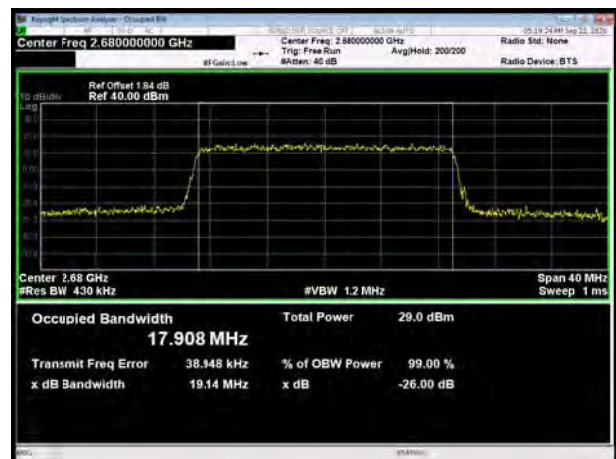
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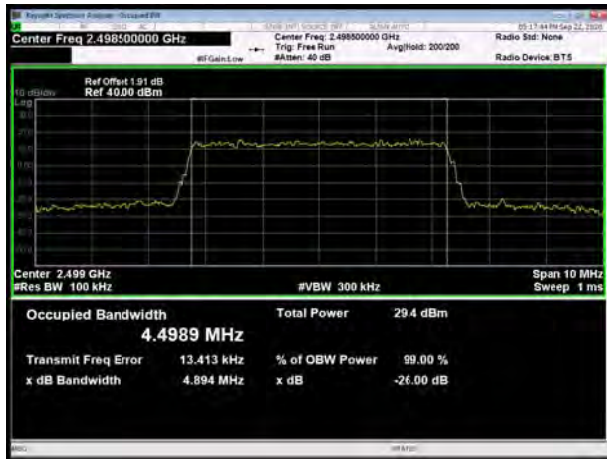


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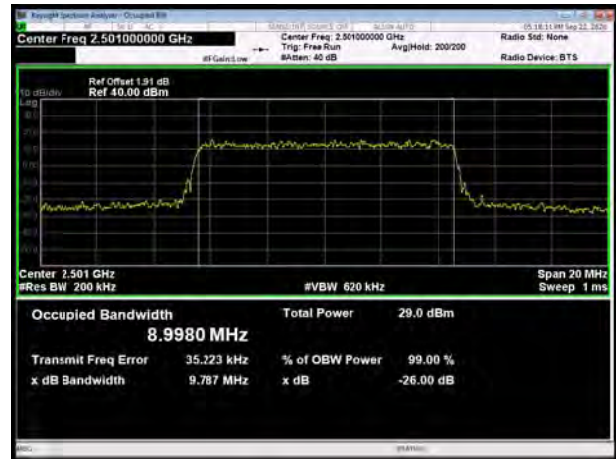




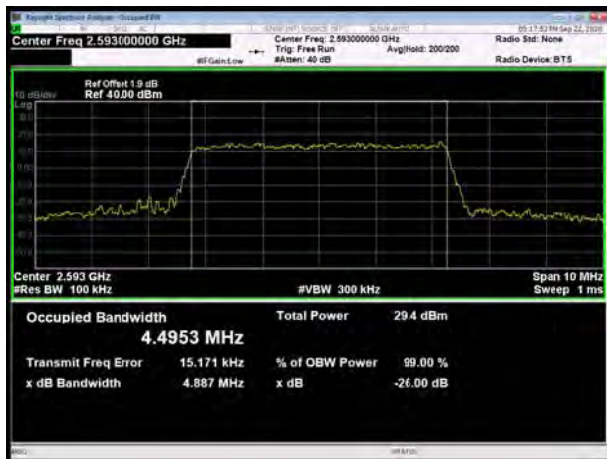
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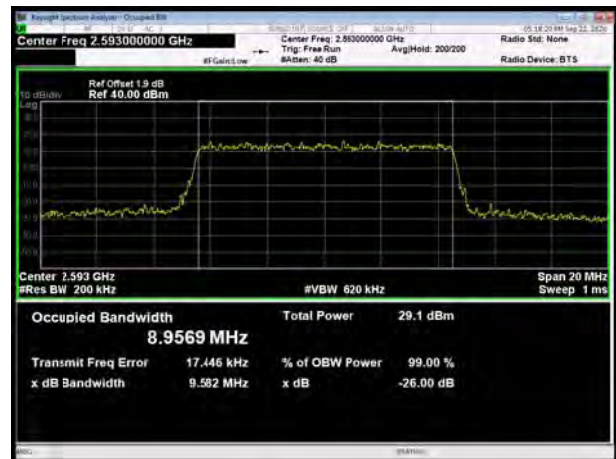
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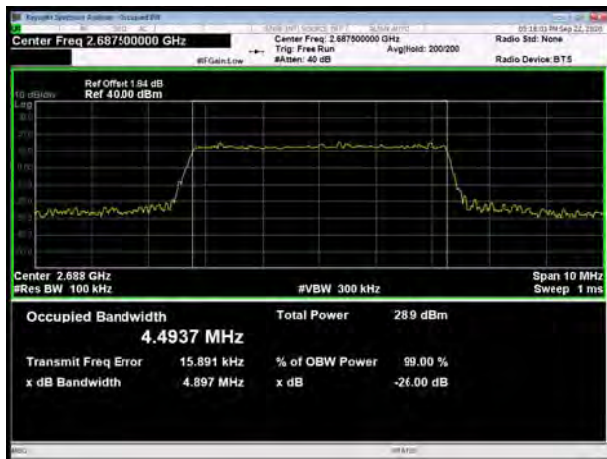
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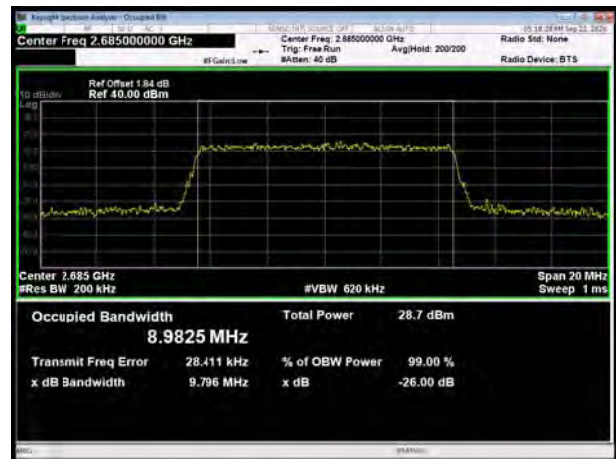
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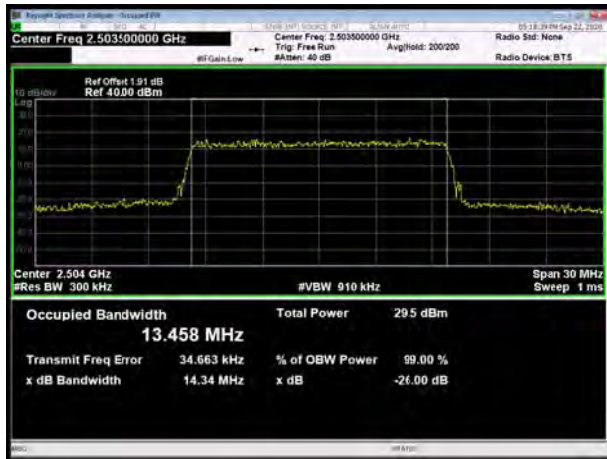


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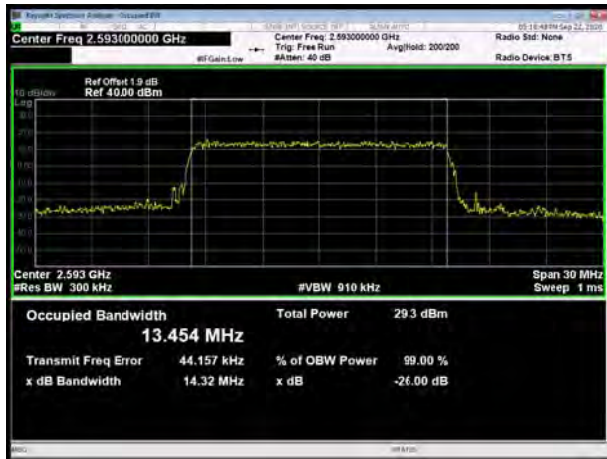
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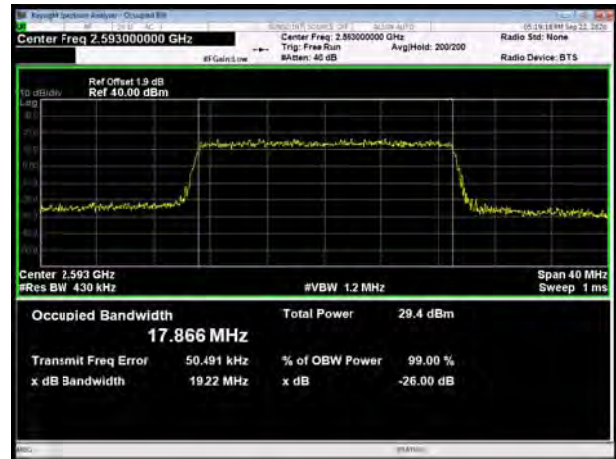
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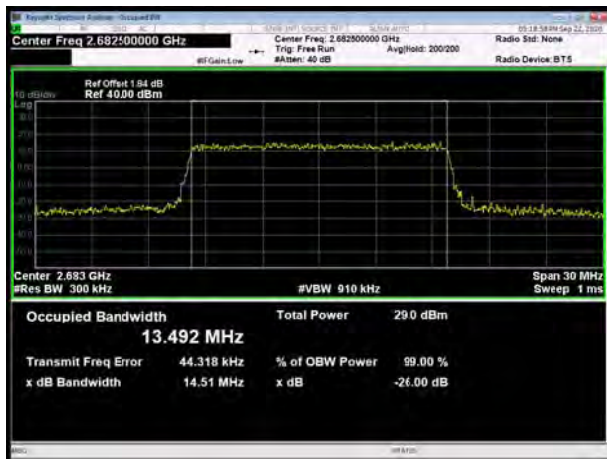
LTE Band 41 64QAM 15MHz CH-Middle



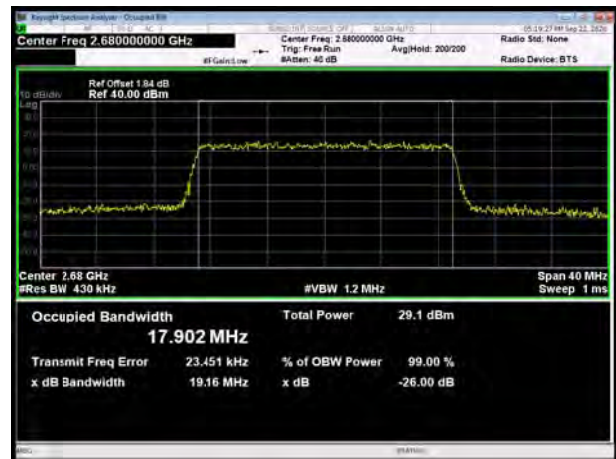
LTE Band 41 64QAM 20MHz CH-Middle



LTE Band 41 64QAM 15MHz CH-High

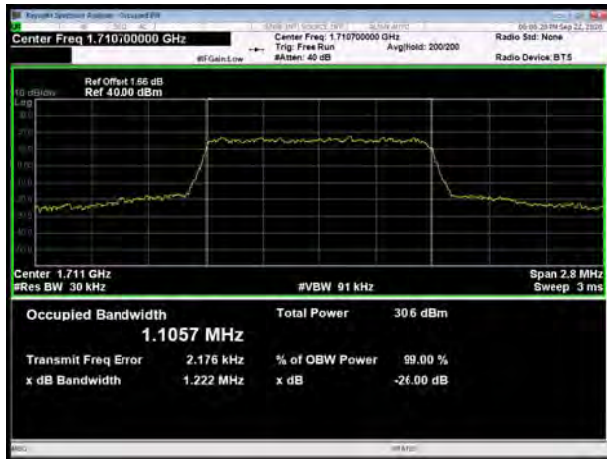


LTE Band 41 64QAM 20MHz CH-High

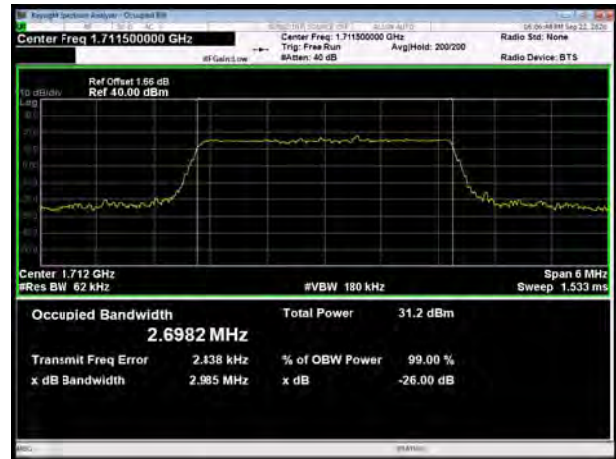




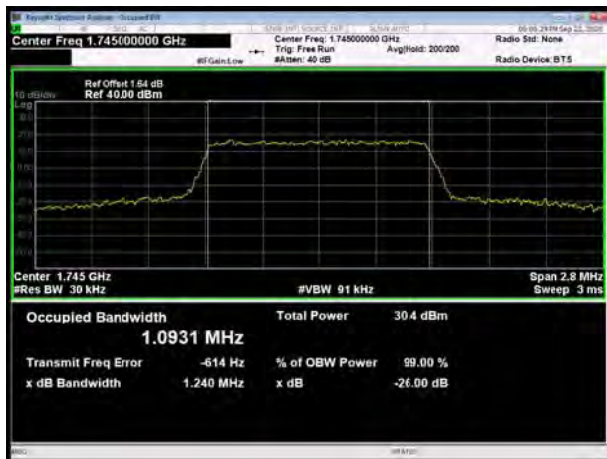
LTE Band 66 QPSK 1.4MHz CH-Low



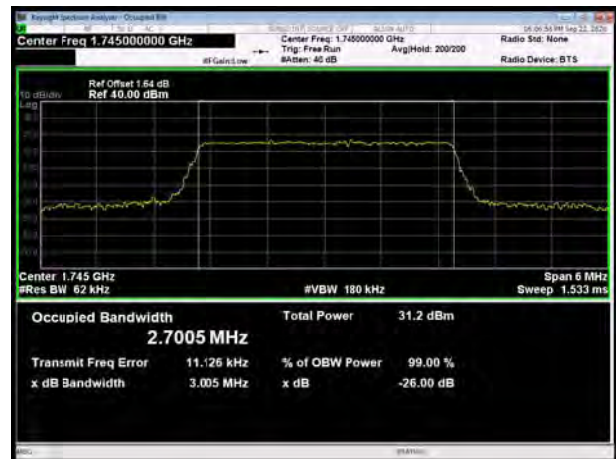
LTE Band 66 QPSK 3MHz CH-Low



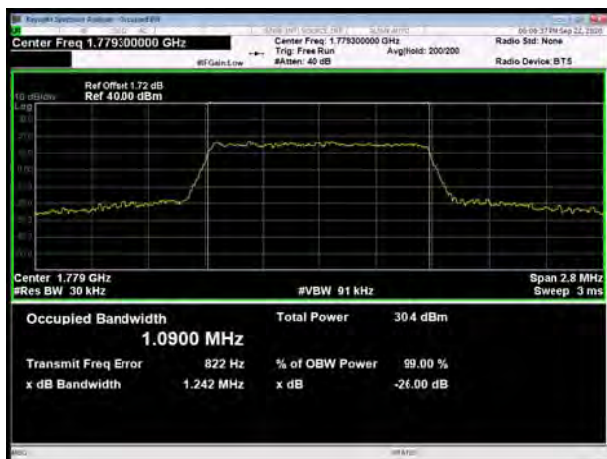
LTE Band 66 QPSK 1.4MHz CH-Middle



LTE Band 66 QPSK 3MHz CH-Middle



LTE Band 66 QPSK 1.4MHz CH-High

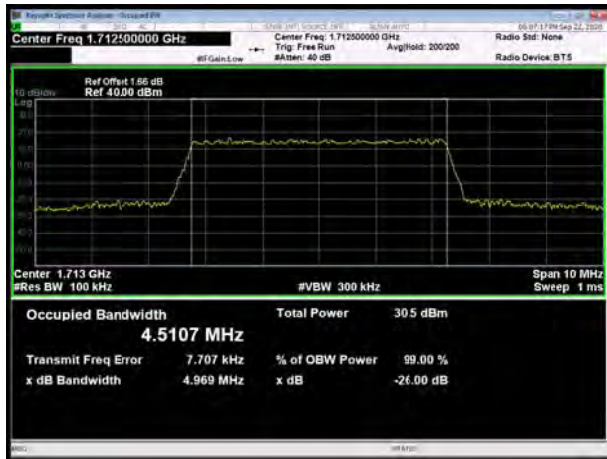


LTE Band 66 QPSK 3MHz CH-High

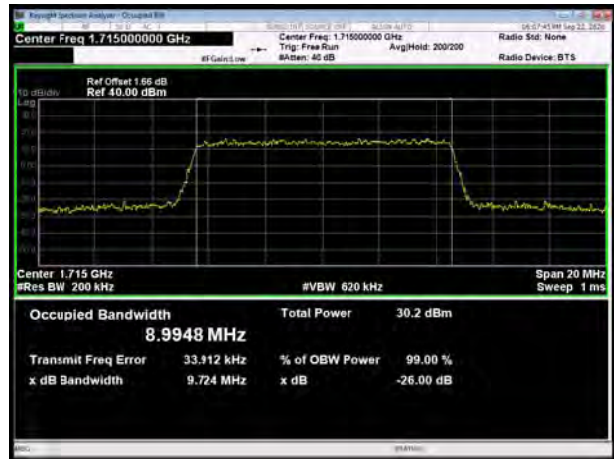




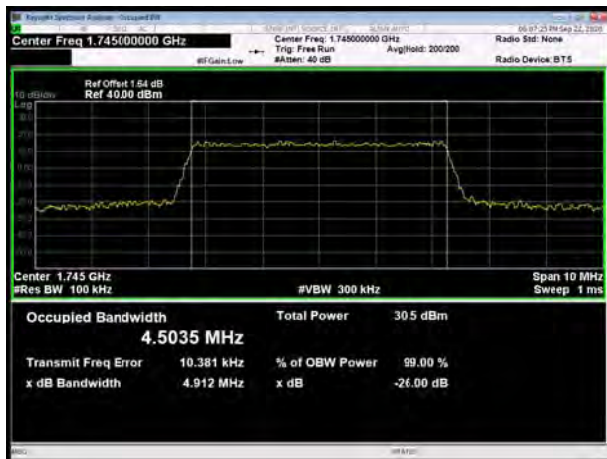
LTE Band 66 QPSK 5MHz CH-Low



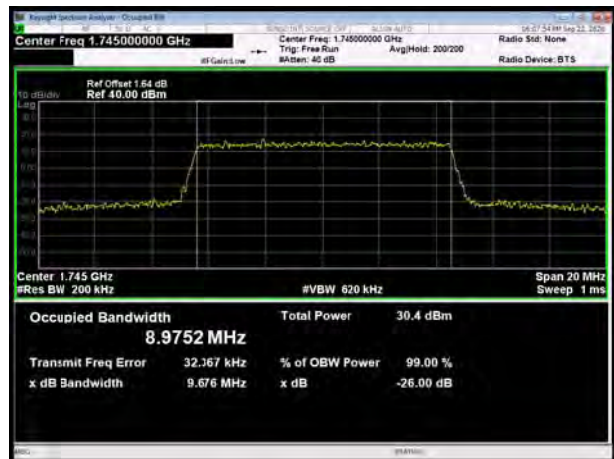
LTE Band 66 QPSK 10MHz CH-Low



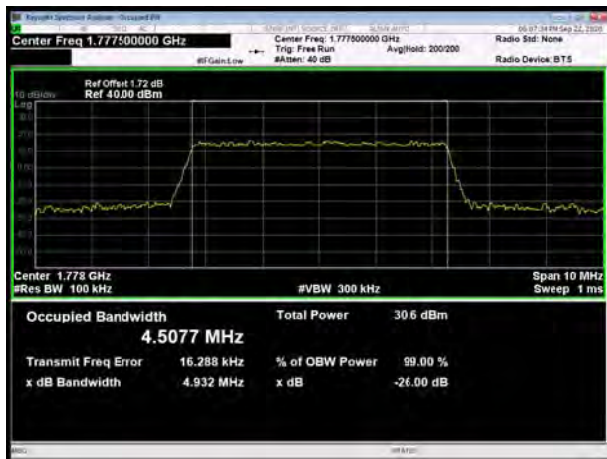
LTE Band 66 QPSK 5MHz CH-Middle



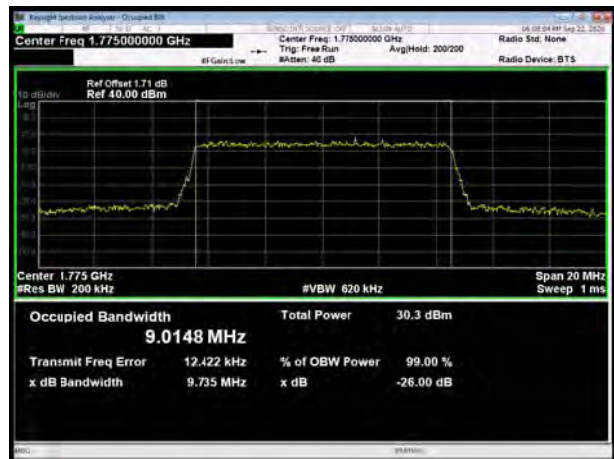
LTE Band 66 QPSK 10MHz CH-Middle



LTE Band 66 QPSK 5MHz CH-High

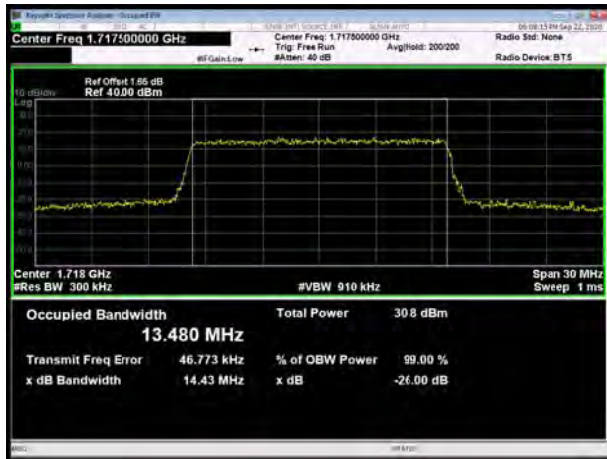


LTE Band 66 QPSK 10MHz CH-High

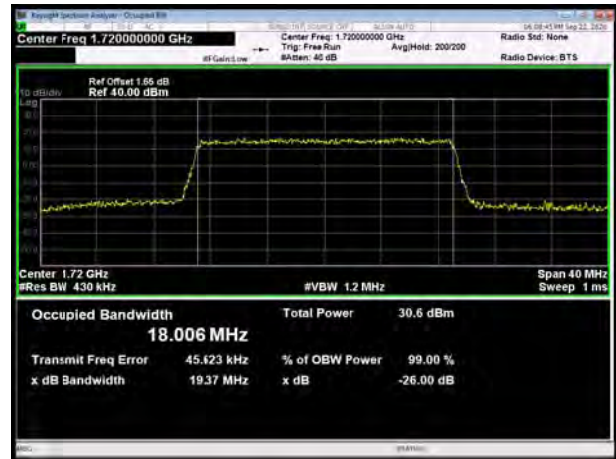




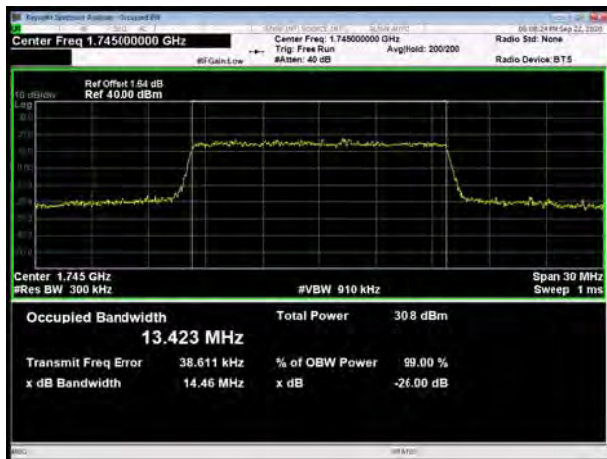
LTE Band 66 QPSK 15MHz CH-Low



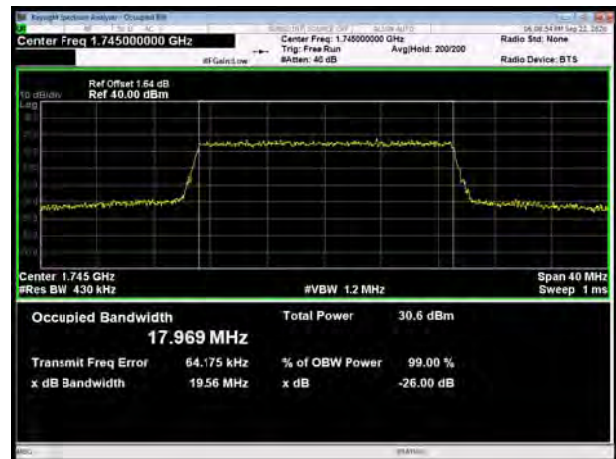
LTE Band 66 QPSK 20MHz CH-Low



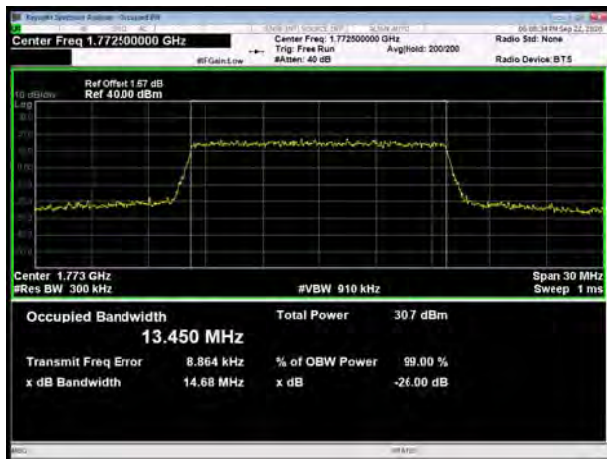
LTE Band 66 QPSK 15MHz CH-Middle



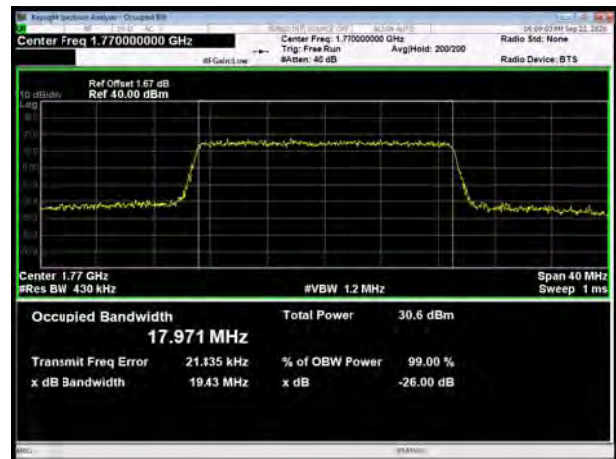
LTE Band 66 QPSK 20MHz CH-Middle



LTE Band 66 QPSK 15MHz CH-High

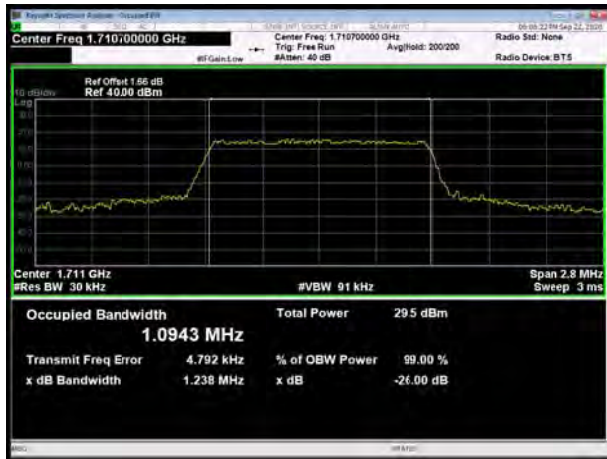


LTE Band 66 QPSK 20MHz CH-High

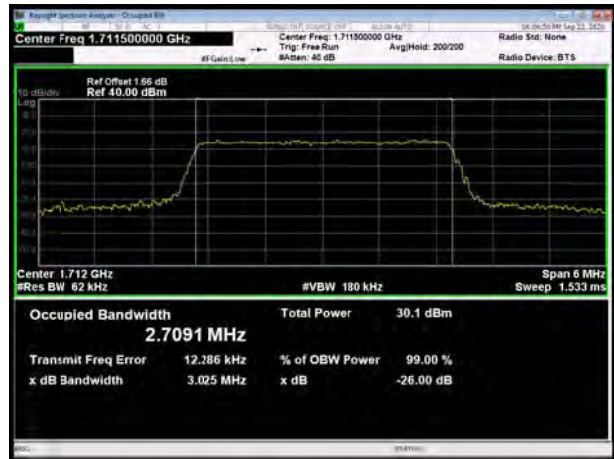




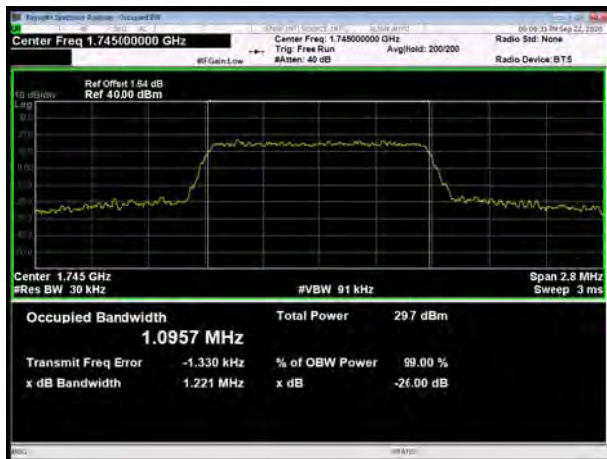
LTE Band 66 16QAM 1.4MHz CH-Low



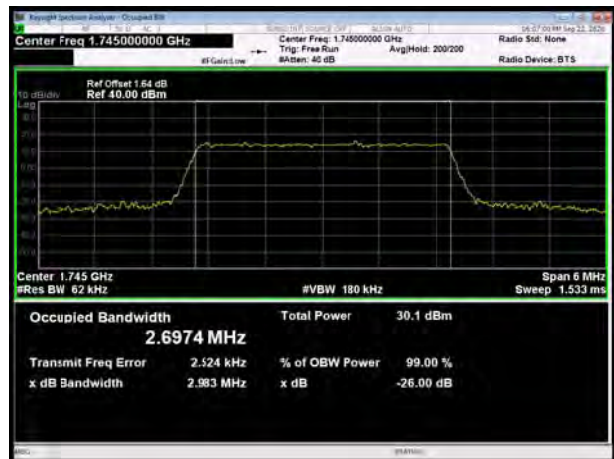
LTE Band 66 16QAM 3MHz CH-Low



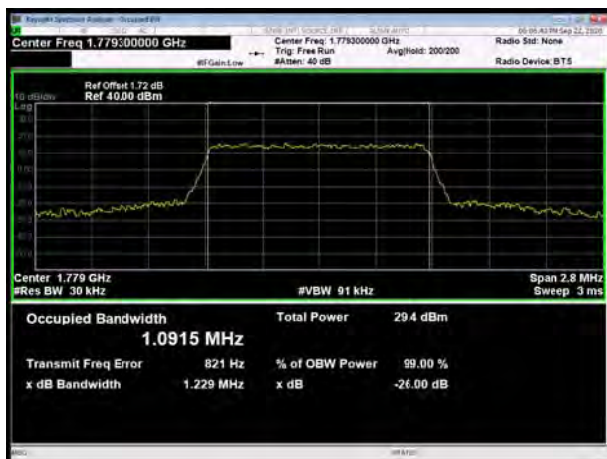
LTE Band 66 16QAM 1.4MHz CH-Middle



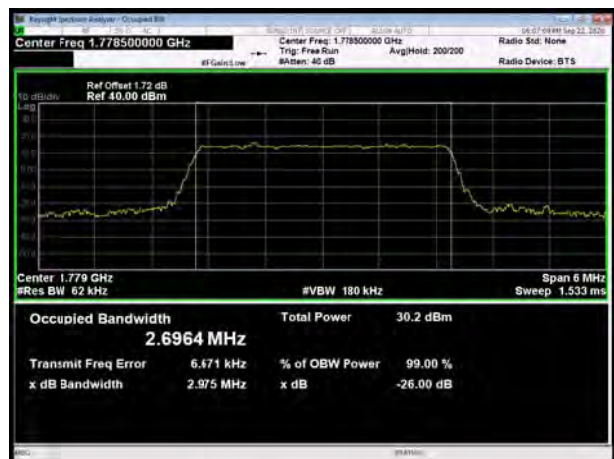
LTE Band 66 16QAM 3MHz CH-Middle



LTE Band 66 16QAM 1.4MHz CH-High

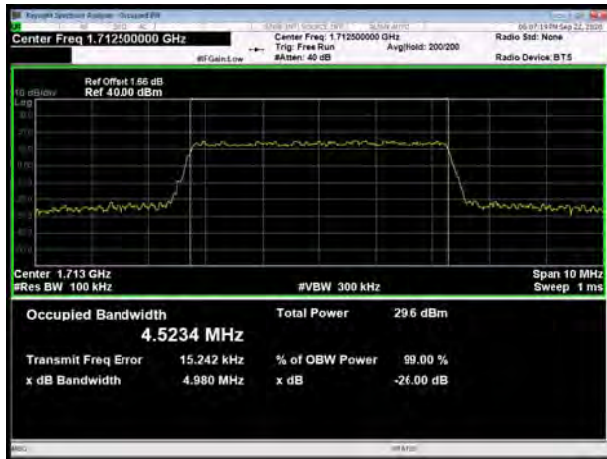


LTE Band 66 16QAM 3MHz CH-High

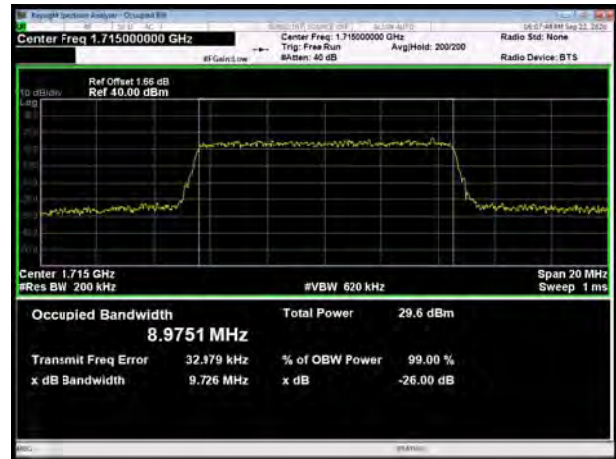




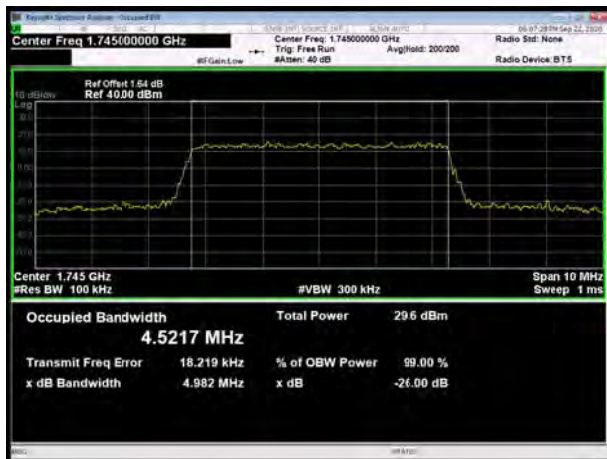
LTE Band 66 16QAM 5MHz CH-Low



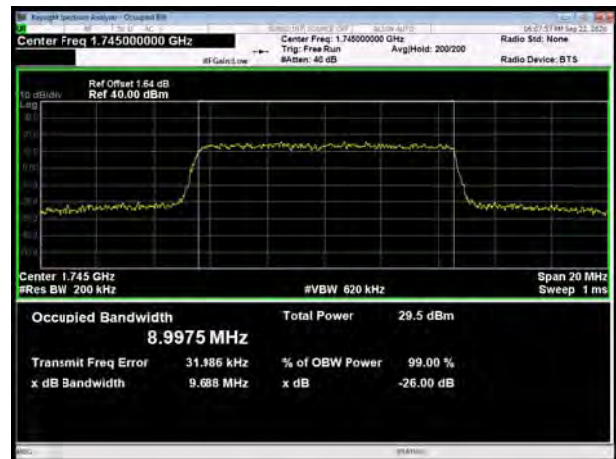
LTE Band 66 16QAM 10MHz CH-Low



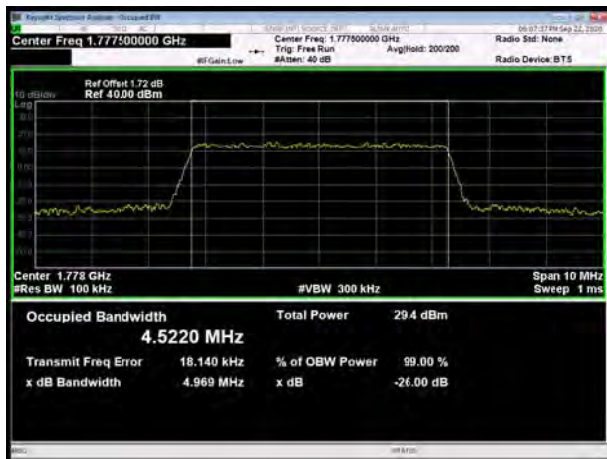
LTE Band 66 16QAM 5MHz CH-Middle



LTE Band 66 16QAM 10MHz CH-Middle



LTE Band 66 16QAM 5MHz CH-High



LTE Band 66 16QAM 10MHz CH-High

