



# RF TEST REPORT

**Applicant** Honor Device Co., Ltd.  
**FCC ID** 2AYGCHJC-LX9  
**Product** Smart Phone  
**Model** HJC-LX9  
**Report No.** R2009H0243-R3V2  
**Issue Date** January 28, 2021

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.

*Peng Tao*

Prepared by: Peng Tao

*Kai Xu*

Approved by: Kai Xu

---

## TA Technology (Shanghai) Co., Ltd.

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

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

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



## TABLE OF CONTENT

1	Test Laboratory.....	5
1.1	Notes of the Test Report.....	5
1.2.	Test facility.....	5
1.3	Testing Location.....	5
2	General Description of Equipment under Test.....	6
2.1	Applicant and Manufacturer Information.....	6
2.2	General information.....	6
3	Applied Standards.....	9
4	Test Configuration.....	10
5	Test Case Results.....	12
5.1	RF Power Output and Effective Isotropic Radiated Power.....	12
5.2	Occupied Bandwidth.....	44
5.3	Band Edge Compliance.....	84
5.4	Peak-to-Average Power Ratio (PAPR).....	131
5.5	Frequency Stability.....	139
5.6	Spurious Emissions at Antenna Terminals.....	150
5.7	Radiates Spurious Emission.....	168
6	Main Test Instruments.....	188
	ANNEX A: The EUT Appearance.....	189
	ANNEX B: Test Setup Photos.....	190



Version	Revision description	Issue Date
Rev.0	/	December 18, 2020
Rev.1	Update Radiates Spurious Emission test results for LTE Band 38 and CA-38C.	January 7, 2021
Rev.2	Update FCC ID.	January 28, 2021
Note: This revised report (Report No. R2009H0243-R3V2) supersedes and replaces the previously issued report (Report No. R2009H0243-R3V1). Please discard or destroy the previously issued report and dispose of it accordingly.		



## Summary of Measurement Results

Number	Test Case	Clause in FCC rules	Verdict
1	RF Power Output and Effective Isotropic Radiated Power	2.1046 27.50(d)(4)/27.50(h)(2)	PASS
2	Occupied Bandwidth	2.1049	PASS
3	Band Edge Compliance	27.53(h) /27.53(m)	PASS
4	Peak-to-Average Power Ratio	27.50(d)/KDB971168 D01(5.7)	PASS
5	Frequency Stability	2.1055 / 27.54	PASS
6	Spurious Emissions at Antenna Terminals	2.1051 /27.53(h) /27.53(m)	PASS
7	Radiates Spurious Emission	2.1053 /27.53(h) /27.53(m)	PASS
Date of Testing: September 5, 2020~ December 9, 2020			
Date of Sample Received: September 3, 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 measurements.

### **A2LA (Certificate Number: 3857.01)**

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

## 1.3 Testing Location

Company: TA Technology (Shanghai) Co., Ltd.  
Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China  
City: Shanghai  
Post code: 201201  
Country: P. R. China  
Contact: Xu Kai  
Telephone: +86-021-50791141/2/3  
Fax: +86-021-50791141/2/3-8000  
Website: <http://www.ta-shanghai.com>  
E-mail: [xukai@ta-shanghai.com](mailto:xukai@ta-shanghai.com)

## 2 General Description of Equipment under Test

### 2.1 Applicant and Manufacturer Information

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

### 2.2 General information

EUT Description				
Model	HJC-LX9			
SN	019BRD208E001334			
Hardware Version	HL3JSCM			
Software Version	10.1.1.111(C900E01R1P1)			
Power Supply	Battery/AC adapter			
Antenna Type	Internal Antenna			
Antenna Gain	Band	Frequency (MHz)	Main Antenna (dBi)	Second Antenna (dBi)
	WCDMA Band IV/ LTE Band 4	1710	-2.8	-2.7
		1720	-2.8	-2.7
		1730	-2.8	-2.9
		1740	-2.9	-3.1
		1750	-3.3	-3.2
		1760	-3.4	-3.3
	LTE Band 7	2500	-1.7	-1.3
		2510	-1.8	-0.9
		2520	-1.9	-0.7
		2530	-1.9	-0.5
		2540	-1.9	-0.3
		2550	-2.0	-0.2
		2560	-1.9	-0.1
	LTE Band 38	2570	-2.0	0.1
		2580	-2.2	0.0
		2590	-2.5	-0.1
	2600	-2.8	-0.5	



		2610	-3.1	-0.7
		2620	-3.4	-1.3
	LTE Band 41	2500	-1.7	-1.3
		2510	-1.8	-0.9
		2520	-1.9	-0.7
		2530	-1.9	-0.5
		2540	-1.9	-0.3
		2550	-2.0	-0.2
		2560	-1.9	-0.1
		2570	-2.0	0.1
		2580	-2.2	0.0
		2590	-2.5	-0.1
		2600	-2.8	-0.5
		2610	-3.1	-0.7
		2620	-3.4	-1.3
		2630	-3.0	-1.1
		2640	-2.7	-1.1
		2650	-2.3	-0.9
		2660	-2.1	-1.0
		2670	-1.8	-1.1
2680	-2.0	-1.5		
2690	-2.0	-2.2		
Test Mode(s)	WCDMA Band IV; LTE Band 4, LTE Band 7, LTE Band 38, LTE Band 41; CA-38C; CA-41C.			
Test Modulation	(WCDMA) BPSK, QPSK, 16QAM; (LTE) QPSK, 16QAM, 64QAM;			
LTE Category	7			
Maximum E.I.R.P./ E.R.P.	WCDMA Band IV:	21.07dBm		
	LTE Band 4:	20.91dBm		
	LTE Band 7:	23.58dBm		
	LTE Band 38:	23.48dBm		
	LTE Band 41:	23.78dBm		
	CA-38C:	23.26dBm		
	CA-41C:	23.44dBm		
Rated Power Supply Voltage:	3.8V			
Extreme Voltage	Minimum: 3.23V    Maximum: 4.37V			
Extreme Temperature	Lowest: -30°C    Highest: +50°C			
Operating Voltage	Minimum: 3.6V    Maximum: 4.4V			
Operating Temperature	Lowest: 0°C    Highest: +35°C			
Operating Frequency Range(s)	Mode	Tx (MHz)	Rx (MHz)	
	WCDMA Band IV	1710 ~ 1755	2110 ~ 2155	



		LTE Band 4	1710 ~ 1755	2110 ~ 2155
		LTE Band 7	2500 ~ 2570	2620 ~ 2690
		LTE Band 38	2570 ~ 2620	2570 ~ 2620
		LTE Band 41	2496 ~ 2690	2496 ~ 2690
<b>EUT Accessory</b>				
Accessory	Model	Manufacture		No.
Adapter	HW-110600E00	Honor Device Co., Ltd.		1
	HW-110600B00	Honor Device Co., Ltd.		2
	HW-110600U00	Honor Device Co., Ltd.		3
	HW-110600A00	Honor Device Co., Ltd.		4
	HW-110600E02	Honor Device Co., Ltd.		5
	HW-110600B02	Honor Device Co., Ltd.		6
	HW-110600U02	Honor Device Co., Ltd.		7
	HW-110600A02	Honor Device Co., Ltd.		8
	HW-110600C02	Honor Device Co., Ltd.		9
Battery	HB426589EEW	Honor Device Co., Ltd. (Manufacturer: SCUD (FUJIAN) Electronics Co., Ltd.)		1
	HB426589EEW	Honor Device Co., Ltd. (Manufacturer: Sunwoda Electronic Co., Ltd.)		2
USB Cable	213-01011-0	MING JI ELECTRONICS CO., LTD.		1
	L99UC139-CS-H	LUXSHARE Precision Industry Co., Ltd		2
Earphone	MEND1532B528 A11	Jiangxi Lianchuang Hongsheng Electronic Co. ,LTD		1
	EPAB542-2WH0 5-DH	FOXCONN INTERCONNECT TECHNOLOGY LIMITED		2
	1293-3283-3.5m m-339	Boluo County Quancheng Electronic Co. ,LTD		3
<p>Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.</p> <p>2. There is more than one Adapter/USB cable/ Battery/Earphone, each one should be applied throughout the compliance test respectively, and however, only the worst case (Adapter 1/USB cable 2/ Battery 2/Earphone 1) will be recorded in this report.</p>				





### 3 Applied Standards

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

**Test standards:**

**FCC CFR47 Part 27C (2019)**

**ANSI C63.26 (2015)**

**Reference standard:**

**FCC CFR47 Part 2 (2019)**

**KDB 971168 D01 Power Meas License Digital Systems v03r01**

## 4 Test Configuration

There is more than one SIM card slot, each one should be applied throughout the compliance test respectively, and however, only the worst case (SIM 1) will be recorded in this report

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes. EUT stand-up position (Z axis), lie-down position (X, Y axis). Receiver antenna polarization (horizontal and vertical), the worst emission was found in position (Z axis, horizontal polarization) and the worst case was recorded.

All mode and data rates and positions and RB size and modulations were investigated. Subsequently, only the worst case emissions are reported.

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

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

Test modes are chosen to be reported as the worst case configuration below 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 4/7/38/41:

Test items	Modes	Bandwidth (MHz)						Modulation		RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	50%	100%	L	M	H
RF Power Output and Effective Isotropic Radiated Power	LTE 4	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 38	-	-	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
Occupied Bandwidth	LTE 4	O	O	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 38	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 41	-	-	O	O	O	O	O	O	-	-	O	O	O	O
Band Edge Compliance	LTE 4	O	O	O	O	O	O	O	O	O	-	O	O	-	O
	LTE 7	-	-	O	O	O	O	O	O	O	-	O	O	-	O
	LTE 17	-	-	O	O	O	O	O	O	O	-	O	O	-	O
	LTE 41	-	-	O	O	O	O	O	O	O	-	O	O	-	O
Peak-to-Average Power Ratio	LTE 4	O	O	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 38	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 41	-	-	O	O	O	O	O	O	-	-	O	O	O	O
Frequency Stability	LTE 4	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 38	-	-	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
Spurious Emissions at Antenna Terminals	LTE 4	O	O	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 7	-	-	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 38	-	-	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 41	-	-	O	O	O	O	O	-	O	-	-	O	O	O
Radiates Spurious Emission	LTE 4	O	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 7	-	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 38	-	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 41	-	-	O	-	-	O	O	-	O	-	-	-	O	-
Note	1. The mark "O" means that this configuration is chosen for testing. 2. The mark "-" means that this configuration is not testing.														

## 5 Test Case Results

### 5.1 RF Power Output and Effective Isotropic Radiated Power

#### Ambient condition

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

#### Methods of Measurement

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

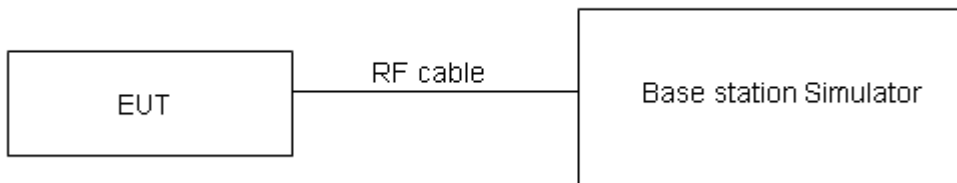
ERP can then be calculated as follows:

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

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

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

Part 27.50(d)(4)Limit	≤ 1 W (30 dBm)
Part 27.50(h)(2) Limit	≤ 2 W (33 dBm)



## Measurement Uncertainty

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



**Test Results**

WCDMA Band IV		Maximum Output Power (dBm)			EIRP (dBm) Main Antenna			EIRP (dBm) Second Antenna		
		Channel 1312	Channel 1413	Channel 1513	Channel 1312	Channel 1413	Channel 1513	Channel 1312	Channel 1413	Channel 1513
		1712.4 (MHz)	1732.6 (MHz)	1752.6 (MHz)	1712.4 (MHz)	1732.6 (MHz)	1752.6 (MHz)	1712.4 (MHz)	1732.6 (MHz)	1752.6 (MHz)
<b>RMC</b>		23.77	23.80	23.87	20.97	21.00	20.57	21.07	20.90	20.67
<b>HSDPA</b>	Sub - Test 1	23.19	23.22	23.29	20.39	20.42	19.99	20.49	20.32	20.09
	Sub - Test 2	22.68	22.71	22.78	19.88	19.91	19.48	19.98	19.81	19.58
	Sub - Test 3	22.17	22.20	22.27	19.37	19.40	18.97	19.47	19.30	19.07
	Sub - Test 4	22.16	22.19	22.26	19.36	19.39	18.96	19.46	19.29	19.06
<b>HSUPA</b>	Sub - Test 1	21.85	21.88	21.95	19.05	19.08	18.65	19.15	18.98	18.75
	Sub - Test 2	19.14	19.17	19.24	16.34	16.37	15.94	16.44	16.27	16.04
	Sub - Test 3	20.62	20.66	20.73	17.82	17.86	17.43	17.92	17.76	17.53
	Sub - Test 4	19.61	19.65	19.72	16.81	16.85	16.42	16.91	16.75	16.52
	Sub - Test 5	22.60	22.64	22.71	19.80	19.84	19.41	19.90	19.74	19.51
<b>DC-HSDPA</b>	Sub - Test 1	23.11	23.16	23.21	20.31	20.36	19.91	20.41	20.26	20.01
	Sub - Test 2	22.60	22.65	22.70	19.80	19.85	19.40	19.90	19.75	19.50
	Sub - Test 3	22.18	22.14	22.21	19.38	19.34	18.91	19.48	19.24	19.01
	Sub - Test 4	22.17	22.13	22.20	19.37	19.33	18.90	19.47	19.23	19.00
<b>HSPA+</b>	16QAM	21.66	21.71	21.78	18.86	18.91	18.48	18.96	18.81	18.58



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm) Main Antenna	EIRP (dBm) Second Antenna	Verdict
LTE Band4	1.4	19957	1	#0	QPSK	23.46	20.66	20.76	PASS
LTE Band4	1.4	19957	1	#Mid	QPSK	23.61	20.81	20.91	PASS
LTE Band4	1.4	19957	1	#Max	QPSK	23.40	20.60	20.70	PASS
LTE Band4	1.4	19957	3	#0	QPSK	23.37	20.57	20.67	PASS
LTE Band4	1.4	19957	3	#Mid	QPSK	23.34	20.54	20.64	PASS
LTE Band4	1.4	19957	3	#Max	QPSK	23.32	20.52	20.62	PASS
LTE Band4	1.4	19957	6	#0	QPSK	22.37	19.57	19.67	PASS
LTE Band4	1.4	19957	1	#0	QAM16	22.30	19.50	19.60	PASS
LTE Band4	1.4	19957	1	#Mid	QAM16	22.52	19.72	19.82	PASS
LTE Band4	1.4	19957	1	#Max	QAM16	22.28	19.48	19.58	PASS
LTE Band4	1.4	19957	3	#0	QAM16	22.42	19.62	19.72	PASS
LTE Band4	1.4	19957	3	#Mid	QAM16	22.42	19.62	19.72	PASS
LTE Band4	1.4	19957	3	#Max	QAM16	22.43	19.63	19.73	PASS
LTE Band4	1.4	19957	6	#0	QAM16	21.26	18.46	18.56	PASS
LTE Band4	1.4	19957	1	#0	QAM64	22.26	19.46	19.56	PASS
LTE Band4	1.4	19957	1	#Mid	QAM64	22.38	19.58	19.68	PASS
LTE Band4	1.4	19957	1	#Max	QAM64	22.24	19.44	19.54	PASS
LTE Band4	1.4	19957	3	#0	QAM64	22.42	19.62	19.72	PASS
LTE Band4	1.4	19957	3	#Mid	QAM64	22.39	19.59	19.69	PASS
LTE Band4	1.4	19957	3	#Max	QAM64	22.43	19.63	19.73	PASS
LTE Band4	1.4	19957	6	#0	QAM64	21.35	18.55	18.65	PASS
LTE Band4	1.4	20175	1	#0	QPSK	23.15	20.35	20.25	PASS
LTE Band4	1.4	20175	1	#Mid	QPSK	23.39	20.59	20.49	PASS
LTE Band4	1.4	20175	1	#Max	QPSK	23.16	20.36	20.26	PASS
LTE Band4	1.4	20175	3	#0	QPSK	23.21	20.41	20.31	PASS
LTE Band4	1.4	20175	3	#Mid	QPSK	23.20	20.40	20.30	PASS
LTE Band4	1.4	20175	3	#Max	QPSK	23.23	20.43	20.33	PASS
LTE Band4	1.4	20175	6	#0	QPSK	22.28	19.48	19.38	PASS
LTE Band4	1.4	20175	1	#0	QAM16	22.35	19.55	19.45	PASS
LTE Band4	1.4	20175	1	#Mid	QAM16	22.60	19.80	19.70	PASS
LTE Band4	1.4	20175	1	#Max	QAM16	22.32	19.52	19.42	PASS
LTE Band4	1.4	20175	3	#0	QAM16	22.23	19.43	19.33	PASS
LTE Band4	1.4	20175	3	#Mid	QAM16	22.23	19.43	19.33	PASS
LTE Band4	1.4	20175	3	#Max	QAM16	22.23	19.43	19.33	PASS
LTE Band4	1.4	20175	6	#0	QAM16	21.20	18.40	18.30	PASS
LTE Band4	1.4	20175	1	#0	QAM64	22.36	19.56	19.46	PASS
LTE Band4	1.4	20175	1	#Mid	QAM64	22.49	19.69	19.59	PASS
LTE Band4	1.4	20175	1	#Max	QAM64	22.36	19.56	19.46	PASS



LTE Band4	1.4	20175	3	#0	QAM64	22.24	19.44	19.34	PASS
LTE Band4	1.4	20175	3	#Mid	QAM64	22.23	19.43	19.33	PASS
LTE Band4	1.4	20175	3	#Max	QAM64	22.24	19.44	19.34	PASS
LTE Band4	1.4	20175	6	#0	QAM64	21.19	18.39	18.29	PASS
LTE Band4	1.4	20393	1	#0	QPSK	23.25	19.95	20.05	PASS
LTE Band4	1.4	20393	1	#Mid	QPSK	23.42	20.12	20.22	PASS
LTE Band4	1.4	20393	1	#Max	QPSK	23.21	19.91	20.01	PASS
LTE Band4	1.4	20393	3	#0	QPSK	23.25	19.95	20.05	PASS
LTE Band4	1.4	20393	3	#Mid	QPSK	23.25	19.95	20.05	PASS
LTE Band4	1.4	20393	3	#Max	QPSK	23.21	19.91	20.01	PASS
LTE Band4	1.4	20393	6	#0	QPSK	22.38	19.08	19.18	PASS
LTE Band4	1.4	20393	1	#0	QAM16	22.12	18.82	18.92	PASS
LTE Band4	1.4	20393	1	#Mid	QAM16	22.34	19.04	19.14	PASS
LTE Band4	1.4	20393	1	#Max	QAM16	22.14	18.84	18.94	PASS
LTE Band4	1.4	20393	3	#0	QAM16	22.19	18.89	18.99	PASS
LTE Band4	1.4	20393	3	#Mid	QAM16	22.18	18.88	18.98	PASS
LTE Band4	1.4	20393	3	#Max	QAM16	22.20	18.90	19.00	PASS
LTE Band4	1.4	20393	6	#0	QAM16	21.20	17.90	18.00	PASS
LTE Band4	1.4	20393	1	#0	QAM64	22.11	18.81	18.91	PASS
LTE Band4	1.4	20393	1	#Mid	QAM64	22.26	18.96	19.06	PASS
LTE Band4	1.4	20393	1	#Max	QAM64	22.07	18.77	18.87	PASS
LTE Band4	1.4	20393	3	#0	QAM64	22.18	18.88	18.98	PASS
LTE Band4	1.4	20393	3	#Mid	QAM64	22.18	18.88	18.98	PASS
LTE Band4	1.4	20393	3	#Max	QAM64	22.20	18.90	19.00	PASS
LTE Band4	1.4	20393	6	#0	QAM64	21.22	17.92	18.02	PASS
LTE Band4	3	19965	1	#0	QPSK	23.38	20.58	20.68	PASS
LTE Band4	3	19965	1	#Mid	QPSK	23.43	20.63	20.73	PASS
LTE Band4	3	19965	1	#Max	QPSK	23.40	20.60	20.70	PASS
LTE Band4	3	19965	8	#0	QPSK	22.42	19.62	19.72	PASS
LTE Band4	3	19965	8	#Mid	QPSK	22.43	19.63	19.73	PASS
LTE Band4	3	19965	8	#Max	QPSK	22.43	19.63	19.73	PASS
LTE Band4	3	19965	15	#0	QPSK	22.37	19.57	19.67	PASS
LTE Band4	3	19965	1	#0	QAM16	22.54	19.74	19.84	PASS
LTE Band4	3	19965	1	#Mid	QAM16	22.62	19.82	19.92	PASS
LTE Band4	3	19965	1	#Max	QAM16	22.54	19.74	19.84	PASS
LTE Band4	3	19965	8	#0	QAM16	21.39	18.59	18.69	PASS
LTE Band4	3	19965	8	#Mid	QAM16	21.35	18.55	18.65	PASS
LTE Band4	3	19965	8	#Max	QAM16	21.36	18.56	18.66	PASS
LTE Band4	3	19965	15	#0	QAM16	21.24	18.44	18.54	PASS
LTE Band4	3	19965	1	#0	QAM64	22.59	19.79	19.89	PASS
LTE Band4	3	19965	1	#Mid	QAM64	22.57	19.77	19.87	PASS
LTE Band4	3	19965	1	#Max	QAM64	22.55	19.75	19.85	PASS
LTE Band4	3	19965	8	#0	QAM64	21.39	18.59	18.69	PASS





LTE Band4	3	19965	8	#Mid	QAM64	21.37	18.57	18.67	PASS
LTE Band4	3	19965	8	#Max	QAM64	21.38	18.58	18.68	PASS
LTE Band4	3	19965	15	#0	QAM64	21.19	18.39	18.49	PASS
LTE Band4	3	20175	1	#0	QPSK	23.30	20.50	20.40	PASS
LTE Band4	3	20175	1	#Mid	QPSK	23.29	20.49	20.39	PASS
LTE Band4	3	20175	1	#Max	QPSK	23.27	20.47	20.37	PASS
LTE Band4	3	20175	8	#0	QPSK	22.27	19.47	19.37	PASS
LTE Band4	3	20175	8	#Mid	QPSK	22.26	19.46	19.36	PASS
LTE Band4	3	20175	8	#Max	QPSK	22.28	19.48	19.38	PASS
LTE Band4	3	20175	15	#0	QPSK	22.20	19.40	19.30	PASS
LTE Band4	3	20175	1	#0	QAM16	22.15	19.35	19.25	PASS
LTE Band4	3	20175	1	#Mid	QAM16	22.13	19.33	19.23	PASS
LTE Band4	3	20175	1	#Max	QAM16	22.09	19.29	19.19	PASS
LTE Band4	3	20175	8	#0	QAM16	21.25	18.45	18.35	PASS
LTE Band4	3	20175	8	#Mid	QAM16	21.27	18.47	18.37	PASS
LTE Band4	3	20175	8	#Max	QAM16	21.26	18.46	18.36	PASS
LTE Band4	3	20175	15	#0	QAM16	21.18	18.38	18.28	PASS
LTE Band4	3	20175	1	#0	QAM64	22.17	19.37	19.27	PASS
LTE Band4	3	20175	1	#Mid	QAM64	22.15	19.35	19.25	PASS
LTE Band4	3	20175	1	#Max	QAM64	22.12	19.32	19.22	PASS
LTE Band4	3	20175	8	#0	QAM64	21.25	18.45	18.35	PASS
LTE Band4	3	20175	8	#Mid	QAM64	21.26	18.46	18.36	PASS
LTE Band4	3	20175	8	#Max	QAM64	21.29	18.49	18.39	PASS
LTE Band4	3	20175	15	#0	QAM64	21.19	18.39	18.29	PASS
LTE Band4	3	20385	1	#0	QPSK	23.20	19.90	20.00	PASS
LTE Band4	3	20385	1	#Mid	QPSK	23.17	19.87	19.97	PASS
LTE Band4	3	20385	1	#Max	QPSK	23.20	19.90	20.00	PASS
LTE Band4	3	20385	8	#0	QPSK	22.25	18.95	19.05	PASS
LTE Band4	3	20385	8	#Mid	QPSK	22.24	18.94	19.04	PASS
LTE Band4	3	20385	8	#Max	QPSK	22.26	18.96	19.06	PASS
LTE Band4	3	20385	15	#0	QPSK	22.19	18.89	18.99	PASS
LTE Band4	3	20385	1	#0	QAM16	22.52	19.22	19.32	PASS
LTE Band4	3	20385	1	#Mid	QAM16	22.47	19.17	19.27	PASS
LTE Band4	3	20385	1	#Max	QAM16	22.44	19.14	19.24	PASS
LTE Band4	3	20385	8	#0	QAM16	21.22	17.92	18.02	PASS
LTE Band4	3	20385	8	#Mid	QAM16	21.25	17.95	18.05	PASS
LTE Band4	3	20385	8	#Max	QAM16	21.23	17.93	18.03	PASS
LTE Band4	3	20385	15	#0	QAM16	21.17	17.87	17.97	PASS
LTE Band4	3	20385	1	#0	QAM64	22.46	19.16	19.26	PASS
LTE Band4	3	20385	1	#Mid	QAM64	22.48	19.18	19.28	PASS
LTE Band4	3	20385	1	#Max	QAM64	22.44	19.14	19.24	PASS
LTE Band4	3	20385	8	#0	QAM64	21.27	17.97	18.07	PASS
LTE Band4	3	20385	8	#Mid	QAM64	21.24	17.94	18.04	PASS



LTE Band4	3	20385	8	#Max	QAM64	21.24	17.94	18.04	PASS
LTE Band4	3	20385	15	#0	QAM64	21.16	17.86	17.96	PASS
LTE Band4	5	19975	1	#0	QPSK	23.20	20.40	20.50	PASS
LTE Band4	5	19975	1	#Mid	QPSK	23.43	20.63	20.73	PASS
LTE Band4	5	19975	1	#Max	QPSK	23.27	20.47	20.57	PASS
LTE Band4	5	19975	12	#0	QPSK	22.38	19.58	19.68	PASS
LTE Band4	5	19975	12	#Mid	QPSK	22.39	19.59	19.69	PASS
LTE Band4	5	19975	12	#Max	QPSK	22.45	19.65	19.75	PASS
LTE Band4	5	19975	25	#0	QPSK	22.37	19.57	19.67	PASS
LTE Band4	5	19975	1	#0	QAM16	22.56	19.76	19.86	PASS
LTE Band4	5	19975	1	#Mid	QAM16	22.68	19.88	19.98	PASS
LTE Band4	5	19975	1	#Max	QAM16	22.56	19.76	19.86	PASS
LTE Band4	5	19975	12	#0	QAM16	21.29	18.49	18.59	PASS
LTE Band4	5	19975	12	#Mid	QAM16	21.31	18.51	18.61	PASS
LTE Band4	5	19975	12	#Max	QAM16	21.36	18.56	18.66	PASS
LTE Band4	5	19975	25	#0	QAM16	21.40	18.60	18.70	PASS
LTE Band4	5	19975	1	#0	QAM64	22.61	19.81	19.91	PASS
LTE Band4	5	19975	1	#Mid	QAM64	22.70	19.90	20.00	PASS
LTE Band4	5	19975	1	#Max	QAM64	22.54	19.74	19.84	PASS
LTE Band4	5	19975	12	#0	QAM64	21.32	18.52	18.62	PASS
LTE Band4	5	19975	12	#Mid	QAM64	21.35	18.55	18.65	PASS
LTE Band4	5	19975	12	#Max	QAM64	21.32	18.52	18.62	PASS
LTE Band4	5	19975	25	#0	QAM64	21.34	18.54	18.64	PASS
LTE Band4	5	20175	1	#0	QPSK	23.18	20.38	20.28	PASS
LTE Band4	5	20175	1	#Mid	QPSK	23.23	20.43	20.33	PASS
LTE Band4	5	20175	1	#Max	QPSK	23.07	20.27	20.17	PASS
LTE Band4	5	20175	12	#0	QPSK	22.27	19.47	19.37	PASS
LTE Band4	5	20175	12	#Mid	QPSK	22.30	19.50	19.40	PASS
LTE Band4	5	20175	12	#Max	QPSK	22.22	19.42	19.32	PASS
LTE Band4	5	20175	25	#0	QPSK	22.27	19.47	19.37	PASS
LTE Band4	5	20175	1	#0	QAM16	22.39	19.59	19.49	PASS
LTE Band4	5	20175	1	#Mid	QAM16	22.44	19.64	19.54	PASS
LTE Band4	5	20175	1	#Max	QAM16	22.29	19.49	19.39	PASS
LTE Band4	5	20175	12	#0	QAM16	21.19	18.39	18.29	PASS
LTE Band4	5	20175	12	#Mid	QAM16	21.16	18.36	18.26	PASS
LTE Band4	5	20175	12	#Max	QAM16	21.14	18.34	18.24	PASS
LTE Band4	5	20175	25	#0	QAM16	21.20	18.40	18.30	PASS
LTE Band4	5	20175	1	#0	QAM64	22.37	19.57	19.47	PASS
LTE Band4	5	20175	1	#Mid	QAM64	22.47	19.67	19.57	PASS
LTE Band4	5	20175	1	#Max	QAM64	22.31	19.51	19.41	PASS
LTE Band4	5	20175	12	#0	QAM64	21.17	18.37	18.27	PASS
LTE Band4	5	20175	12	#Mid	QAM64	21.19	18.39	18.29	PASS
LTE Band4	5	20175	12	#Max	QAM64	21.15	18.35	18.25	PASS



LTE Band4	5	20175	25	#0	QAM64	21.21	18.41	18.31	PASS
LTE Band4	5	20375	1	#0	QPSK	23.00	19.70	19.80	PASS
LTE Band4	5	20375	1	#Mid	QPSK	23.21	19.91	20.01	PASS
LTE Band4	5	20375	1	#Max	QPSK	23.04	19.74	19.84	PASS
LTE Band4	5	20375	12	#0	QPSK	22.21	18.91	19.01	PASS
LTE Band4	5	20375	12	#Mid	QPSK	22.21	18.91	19.01	PASS
LTE Band4	5	20375	12	#Max	QPSK	22.16	18.86	18.96	PASS
LTE Band4	5	20375	25	#0	QPSK	22.20	18.90	19.00	PASS
LTE Band4	5	20375	1	#0	QAM16	22.31	19.01	19.11	PASS
LTE Band4	5	20375	1	#Mid	QAM16	22.44	19.14	19.24	PASS
LTE Band4	5	20375	1	#Max	QAM16	22.34	19.04	19.14	PASS
LTE Band4	5	20375	12	#0	QAM16	21.14	17.84	17.94	PASS
LTE Band4	5	20375	12	#Mid	QAM16	21.18	17.88	17.98	PASS
LTE Band4	5	20375	12	#Max	QAM16	21.22	17.92	18.02	PASS
LTE Band4	5	20375	25	#0	QAM16	21.21	17.91	18.01	PASS
LTE Band4	5	20375	1	#0	QAM64	22.30	19.00	19.10	PASS
LTE Band4	5	20375	1	#Mid	QAM64	22.44	19.14	19.24	PASS
LTE Band4	5	20375	1	#Max	QAM64	22.33	19.03	19.13	PASS
LTE Band4	5	20375	12	#0	QAM64	21.19	17.89	17.99	PASS
LTE Band4	5	20375	12	#Mid	QAM64	21.19	17.89	17.99	PASS
LTE Band4	5	20375	12	#Max	QAM64	21.19	17.89	17.99	PASS
LTE Band4	5	20375	25	#0	QAM64	21.18	17.88	17.98	PASS
LTE Band4	10	20000	1	#0	QPSK	23.51	20.71	20.81	PASS
LTE Band4	10	20000	1	#Mid	QPSK	23.53	20.73	20.83	PASS
LTE Band4	10	20000	1	#Max	QPSK	23.36	20.56	20.66	PASS
LTE Band4	10	20000	25	#0	QPSK	22.46	19.66	19.76	PASS
LTE Band4	10	20000	25	#Mid	QPSK	22.42	19.62	19.72	PASS
LTE Band4	10	20000	25	#Max	QPSK	22.52	19.72	19.82	PASS
LTE Band4	10	20000	50	#0	QPSK	22.46	19.66	19.76	PASS
LTE Band4	10	20000	1	#0	QAM16	22.60	19.80	19.90	PASS
LTE Band4	10	20000	1	#Mid	QAM16	22.69	19.89	19.99	PASS
LTE Band4	10	20000	1	#Max	QAM16	22.55	19.75	19.85	PASS
LTE Band4	10	20000	25	#0	QAM16	21.41	18.61	18.71	PASS
LTE Band4	10	20000	25	#Mid	QAM16	21.41	18.61	18.71	PASS
LTE Band4	10	20000	25	#Max	QAM16	21.50	18.70	18.80	PASS
LTE Band4	10	20000	50	#0	QAM16	21.37	18.57	18.67	PASS
LTE Band4	10	20000	1	#0	QAM64	22.55	19.75	19.85	PASS
LTE Band4	10	20000	1	#Mid	QAM64	22.67	19.87	19.97	PASS
LTE Band4	10	20000	1	#Max	QAM64	22.53	19.73	19.83	PASS
LTE Band4	10	20000	25	#0	QAM64	21.41	18.61	18.71	PASS
LTE Band4	10	20000	25	#Mid	QAM64	21.38	18.58	18.68	PASS
LTE Band4	10	20000	25	#Max	QAM64	21.47	18.67	18.77	PASS
LTE Band4	10	20000	50	#0	QAM64	21.38	18.58	18.68	PASS



LTE Band4	10	20175	1	#0	QPSK	23.37	20.57	20.47	PASS
LTE Band4	10	20175	1	#Mid	QPSK	23.40	20.60	20.50	PASS
LTE Band4	10	20175	1	#Max	QPSK	23.18	20.38	20.28	PASS
LTE Band4	10	20175	25	#0	QPSK	22.37	19.57	19.47	PASS
LTE Band4	10	20175	25	#Mid	QPSK	22.36	19.56	19.46	PASS
LTE Band4	10	20175	25	#Max	QPSK	22.25	19.45	19.35	PASS
LTE Band4	10	20175	50	#0	QPSK	22.29	19.49	19.39	PASS
LTE Band4	10	20175	1	#0	QAM16	22.21	19.41	19.31	PASS
LTE Band4	10	20175	1	#Mid	QAM16	22.28	19.48	19.38	PASS
LTE Band4	10	20175	1	#Max	QAM16	22.05	19.25	19.15	PASS
LTE Band4	10	20175	25	#0	QAM16	21.35	18.55	18.45	PASS
LTE Band4	10	20175	25	#Mid	QAM16	21.34	18.54	18.44	PASS
LTE Band4	10	20175	25	#Max	QAM16	21.23	18.43	18.33	PASS
LTE Band4	10	20175	50	#0	QAM16	21.27	18.47	18.37	PASS
LTE Band4	10	20175	1	#0	QAM64	22.20	19.40	19.30	PASS
LTE Band4	10	20175	1	#Mid	QAM64	22.34	19.54	19.44	PASS
LTE Band4	10	20175	1	#Max	QAM64	22.08	19.28	19.18	PASS
LTE Band4	10	20175	25	#0	QAM64	21.36	18.56	18.46	PASS
LTE Band4	10	20175	25	#Mid	QAM64	21.31	18.51	18.41	PASS
LTE Band4	10	20175	25	#Max	QAM64	21.25	18.45	18.35	PASS
LTE Band4	10	20175	50	#0	QAM64	21.30	18.50	18.40	PASS
LTE Band4	10	20350	1	#0	QPSK	23.14	19.84	19.94	PASS
LTE Band4	10	20350	1	#Mid	QPSK	23.25	19.95	20.05	PASS
LTE Band4	10	20350	1	#Max	QPSK	23.10	19.80	19.90	PASS
LTE Band4	10	20350	25	#0	QPSK	22.18	18.88	18.98	PASS
LTE Band4	10	20350	25	#Mid	QPSK	22.19	18.89	18.99	PASS
LTE Band4	10	20350	25	#Max	QPSK	22.20	18.90	19.00	PASS
LTE Band4	10	20350	50	#0	QPSK	22.13	18.83	18.93	PASS
LTE Band4	10	20350	1	#0	QAM16	22.41	19.11	19.21	PASS
LTE Band4	10	20350	1	#Mid	QAM16	22.50	19.20	19.30	PASS
LTE Band4	10	20350	1	#Max	QAM16	22.38	19.08	19.18	PASS
LTE Band4	10	20350	25	#0	QAM16	21.22	17.92	18.02	PASS
LTE Band4	10	20350	25	#Mid	QAM16	21.20	17.90	18.00	PASS
LTE Band4	10	20350	25	#Max	QAM16	21.26	17.96	18.06	PASS
LTE Band4	10	20350	50	#0	QAM16	21.13	17.83	17.93	PASS
LTE Band4	10	20350	1	#0	QAM64	22.41	19.11	19.21	PASS
LTE Band4	10	20350	1	#Mid	QAM64	22.55	19.25	19.35	PASS
LTE Band4	10	20350	1	#Max	QAM64	22.41	19.11	19.21	PASS
LTE Band4	10	20350	25	#0	QAM64	21.22	17.92	18.02	PASS
LTE Band4	10	20350	25	#Mid	QAM64	21.21	17.91	18.01	PASS
LTE Band4	10	20350	25	#Max	QAM64	21.27	17.97	18.07	PASS
LTE Band4	10	20350	50	#0	QAM64	21.15	17.85	17.95	PASS
LTE Band4	15	20025	1	#0	QPSK	23.43	20.63	20.73	PASS



LTE Band4	15	20025	1	#Mid	QPSK	23.45	20.65	20.75	PASS
LTE Band4	15	20025	1	#Max	QPSK	23.23	20.43	20.53	PASS
LTE Band4	15	20025	36	#0	QPSK	22.50	19.70	19.80	PASS
LTE Band4	15	20025	36	#Mid	QPSK	22.49	19.69	19.79	PASS
LTE Band4	15	20025	36	#Max	QPSK	22.47	19.67	19.77	PASS
LTE Band4	15	20025	75	#0	QPSK	22.47	19.67	19.77	PASS
LTE Band4	15	20025	1	#0	QAM16	22.63	19.83	19.93	PASS
LTE Band4	15	20025	1	#Mid	QAM16	22.67	19.87	19.97	PASS
LTE Band4	15	20025	1	#Max	QAM16	22.49	19.69	19.79	PASS
LTE Band4	15	20025	36	#0	QAM16	21.46	18.66	18.76	PASS
LTE Band4	15	20025	36	#Mid	QAM16	21.42	18.62	18.72	PASS
LTE Band4	15	20025	36	#Max	QAM16	21.47	18.67	18.77	PASS
LTE Band4	15	20025	75	#0	QAM16	21.47	18.67	18.77	PASS
LTE Band4	15	20025	1	#0	QAM64	22.61	19.81	19.91	PASS
LTE Band4	15	20025	1	#Mid	QAM64	22.70	19.90	20.00	PASS
LTE Band4	15	20025	1	#Max	QAM64	22.48	19.68	19.78	PASS
LTE Band4	15	20025	36	#0	QAM64	21.42	18.62	18.72	PASS
LTE Band4	15	20025	36	#Mid	QAM64	21.44	18.64	18.74	PASS
LTE Band4	15	20025	36	#Max	QAM64	21.49	18.69	18.79	PASS
LTE Band4	15	20025	75	#0	QAM64	21.44	18.64	18.74	PASS
LTE Band4	15	20175	1	#0	QPSK	23.26	20.46	20.36	PASS
LTE Band4	15	20175	1	#Mid	QPSK	23.30	20.50	20.40	PASS
LTE Band4	15	20175	1	#Max	QPSK	23.07	20.27	20.17	PASS
LTE Band4	15	20175	36	#0	QPSK	22.35	19.55	19.45	PASS
LTE Band4	15	20175	36	#Mid	QPSK	22.38	19.58	19.48	PASS
LTE Band4	15	20175	36	#Max	QPSK	22.34	19.54	19.44	PASS
LTE Band4	15	20175	75	#0	QPSK	22.32	19.52	19.42	PASS
LTE Band4	15	20175	1	#0	QAM16	22.43	19.63	19.53	PASS
LTE Band4	15	20175	1	#Mid	QAM16	22.44	19.64	19.54	PASS
LTE Band4	15	20175	1	#Max	QAM16	22.24	19.44	19.34	PASS
LTE Band4	15	20175	36	#0	QAM16	21.31	18.51	18.41	PASS
LTE Band4	15	20175	36	#Mid	QAM16	21.31	18.51	18.41	PASS
LTE Band4	15	20175	36	#Max	QAM16	21.26	18.46	18.36	PASS
LTE Band4	15	20175	75	#0	QAM16	21.30	18.50	18.40	PASS
LTE Band4	15	20175	1	#0	QAM64	22.42	19.62	19.52	PASS
LTE Band4	15	20175	1	#Mid	QAM64	22.44	19.64	19.54	PASS
LTE Band4	15	20175	1	#Max	QAM64	22.27	19.47	19.37	PASS
LTE Band4	15	20175	36	#0	QAM64	21.30	18.50	18.40	PASS
LTE Band4	15	20175	36	#Mid	QAM64	21.29	18.49	18.39	PASS
LTE Band4	15	20175	36	#Max	QAM64	21.26	18.46	18.36	PASS
LTE Band4	15	20175	75	#0	QAM64	21.27	18.47	18.37	PASS
LTE Band4	15	20325	1	#0	QPSK	23.21	19.91	20.01	PASS
LTE Band4	15	20325	1	#Mid	QPSK	23.24	19.94	20.04	PASS





LTE Band4	15	20325	1	#Max	QPSK	23.11	19.81	19.91	PASS
LTE Band4	15	20325	36	#0	QPSK	22.26	18.96	19.06	PASS
LTE Band4	15	20325	36	#Mid	QPSK	22.27	18.97	19.07	PASS
LTE Band4	15	20325	36	#Max	QPSK	22.26	18.96	19.06	PASS
LTE Band4	15	20325	75	#0	QPSK	22.24	18.94	19.04	PASS
LTE Band4	15	20325	1	#0	QAM16	22.26	18.96	19.06	PASS
LTE Band4	15	20325	1	#Mid	QAM16	22.20	18.90	19.00	PASS
LTE Band4	15	20325	1	#Max	QAM16	22.13	18.83	18.93	PASS
LTE Band4	15	20325	36	#0	QAM16	21.21	17.91	18.01	PASS
LTE Band4	15	20325	36	#Mid	QAM16	21.15	17.85	17.95	PASS
LTE Band4	15	20325	36	#Max	QAM16	21.19	17.89	17.99	PASS
LTE Band4	15	20325	75	#0	QAM16	21.21	17.91	18.01	PASS
LTE Band4	15	20325	1	#0	QAM64	22.22	18.92	19.02	PASS
LTE Band4	15	20325	1	#Mid	QAM64	22.26	18.96	19.06	PASS
LTE Band4	15	20325	1	#Max	QAM64	22.11	18.81	18.91	PASS
LTE Band4	15	20325	36	#0	QAM64	21.15	17.85	17.95	PASS
LTE Band4	15	20325	36	#Mid	QAM64	21.18	17.88	17.98	PASS
LTE Band4	15	20325	36	#Max	QAM64	21.16	17.86	17.96	PASS
LTE Band4	15	20325	75	#0	QAM64	21.20	17.90	18.00	PASS
LTE Band4	20	20050	1	#0	QPSK	23.40	20.60	20.70	PASS
LTE Band4	20	20050	1	#Mid	QPSK	23.58	20.78	20.88	PASS
LTE Band4	20	20050	1	#Max	QPSK	23.13	20.33	20.43	PASS
LTE Band4	20	20050	50	#0	QPSK	22.35	19.55	19.65	PASS
LTE Band4	20	20050	50	#Mid	QPSK	22.33	19.53	19.63	PASS
LTE Band4	20	20050	50	#Max	QPSK	22.38	19.58	19.68	PASS
LTE Band4	20	20050	100	#0	QPSK	22.32	19.52	19.62	PASS
LTE Band4	20	20050	1	#0	QAM16	22.52	19.72	19.82	PASS
LTE Band4	20	20050	1	#Mid	QAM16	22.82	20.02	20.12	PASS
LTE Band4	20	20050	1	#Max	QAM16	22.31	19.51	19.61	PASS
LTE Band4	20	20050	50	#0	QAM16	21.31	18.51	18.61	PASS
LTE Band4	20	20050	50	#Mid	QAM16	21.35	18.55	18.65	PASS
LTE Band4	20	20050	50	#Max	QAM16	21.34	18.54	18.64	PASS
LTE Band4	20	20050	100	#0	QAM16	21.31	18.51	18.61	PASS
LTE Band4	20	20050	1	#0	QAM64	22.50	19.70	19.80	PASS
LTE Band4	20	20050	1	#Mid	QAM64	22.81	20.01	20.11	PASS
LTE Band4	20	20050	1	#Max	QAM64	22.30	19.50	19.60	PASS
LTE Band4	20	20050	50	#0	QAM64	21.27	18.47	18.57	PASS
LTE Band4	20	20050	50	#Mid	QAM64	21.35	18.55	18.65	PASS
LTE Band4	20	20050	50	#Max	QAM64	21.34	18.54	18.64	PASS
LTE Band4	20	20050	100	#0	QAM64	21.32	18.52	18.62	PASS
LTE Band4	20	20175	1	#0	QPSK	23.32	20.52	20.42	PASS
LTE Band4	20	20175	1	#Mid	QPSK	23.48	20.68	20.58	PASS
LTE Band4	20	20175	1	#Max	QPSK	23.06	20.26	20.16	PASS



LTE Band4	20	20175	50	#0	QPSK	22.30	19.50	19.40	PASS
LTE Band4	20	20175	50	#Mid	QPSK	22.32	19.52	19.42	PASS
LTE Band4	20	20175	50	#Max	QPSK	22.24	19.44	19.34	PASS
LTE Band4	20	20175	100	#0	QPSK	22.28	19.48	19.38	PASS
LTE Band4	20	20175	1	#0	QAM16	22.19	19.39	19.29	PASS
LTE Band4	20	20175	1	#Mid	QAM16	22.28	19.48	19.38	PASS
LTE Band4	20	20175	1	#Max	QAM16	21.90	19.10	19.00	PASS
LTE Band4	20	20175	50	#0	QAM16	21.24	18.44	18.34	PASS
LTE Band4	20	20175	50	#Mid	QAM16	21.25	18.45	18.35	PASS
LTE Band4	20	20175	50	#Max	QAM16	21.16	18.36	18.26	PASS
LTE Band4	20	20175	100	#0	QAM16	21.28	18.48	18.38	PASS
LTE Band4	20	20175	1	#0	QAM64	22.19	19.39	19.29	PASS
LTE Band4	20	20175	1	#Mid	QAM64	22.40	19.60	19.50	PASS
LTE Band4	20	20175	1	#Max	QAM64	21.93	19.13	19.03	PASS
LTE Band4	20	20175	50	#0	QAM64	21.25	18.45	18.35	PASS
LTE Band4	20	20175	50	#Mid	QAM64	21.25	18.45	18.35	PASS
LTE Band4	20	20175	50	#Max	QAM64	21.19	18.39	18.29	PASS
LTE Band4	20	20175	100	#0	QAM64	21.26	18.46	18.36	PASS
LTE Band4	20	20300	1	#0	QPSK	23.09	19.79	19.89	PASS
LTE Band4	20	20300	1	#Mid	QPSK	23.27	19.97	20.07	PASS
LTE Band4	20	20300	1	#Max	QPSK	22.97	19.67	19.77	PASS
LTE Band4	20	20300	50	#0	QPSK	22.14	18.84	18.94	PASS
LTE Band4	20	20300	50	#Mid	QPSK	22.13	18.83	18.93	PASS
LTE Band4	20	20300	50	#Max	QPSK	22.12	18.82	18.92	PASS
LTE Band4	20	20300	100	#0	QPSK	22.15	18.85	18.95	PASS
LTE Band4	20	20300	1	#0	QAM16	21.94	18.64	18.74	PASS
LTE Band4	20	20300	1	#Mid	QAM16	22.07	18.77	18.87	PASS
LTE Band4	20	20300	1	#Max	QAM16	21.79	18.49	18.59	PASS
LTE Band4	20	20300	50	#0	QAM16	21.18	17.88	17.98	PASS
LTE Band4	20	20300	50	#Mid	QAM16	21.20	17.90	18.00	PASS
LTE Band4	20	20300	50	#Max	QAM16	21.14	17.84	17.94	PASS
LTE Band4	20	20300	100	#0	QAM16	21.15	17.85	17.95	PASS
LTE Band4	20	20300	1	#0	QAM64	21.94	18.64	18.74	PASS
LTE Band4	20	20300	1	#Mid	QAM64	22.05	18.75	18.85	PASS
LTE Band4	20	20300	1	#Max	QAM64	21.78	18.48	18.58	PASS
LTE Band4	20	20300	50	#0	QAM64	21.18	17.88	17.98	PASS
LTE Band4	20	20300	50	#Mid	QAM64	21.18	17.88	17.98	PASS
LTE Band4	20	20300	50	#Max	QAM64	21.14	17.84	17.94	PASS
LTE Band4	20	20300	100	#0	QAM64	21.13	17.83	17.93	PASS



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm) Main Antenna	EIRP (dBm) Second Antenna	Verdict
LTE Band7	5	20775	1	#0	QPSK	23.50	21.80	22.20	PASS
LTE Band7	5	20775	1	#Mid	QPSK	23.55	21.85	22.25	PASS
LTE Band7	5	20775	1	#Max	QPSK	23.39	21.69	22.09	PASS
LTE Band7	5	20775	12	#0	QPSK	22.48	20.78	21.18	PASS
LTE Band7	5	20775	12	#Mid	QPSK	22.40	20.70	21.10	PASS
LTE Band7	5	20775	12	#Max	QPSK	22.51	20.81	21.21	PASS
LTE Band7	5	20775	25	#0	QPSK	22.53	20.83	21.23	PASS
LTE Band7	5	20775	1	#0	QAM16	22.70	21.00	21.40	PASS
LTE Band7	5	20775	1	#Mid	QAM16	22.70	21.00	21.40	PASS
LTE Band7	5	20775	1	#Max	QAM16	22.54	20.84	21.24	PASS
LTE Band7	5	20775	12	#0	QAM16	21.42	19.72	20.12	PASS
LTE Band7	5	20775	12	#Mid	QAM16	21.43	19.73	20.13	PASS
LTE Band7	5	20775	12	#Max	QAM16	21.34	19.64	20.04	PASS
LTE Band7	5	20775	25	#0	QAM16	21.49	19.79	20.19	PASS
LTE Band7	5	20775	1	#0	QAM64	22.70	21.00	21.40	PASS
LTE Band7	5	20775	1	#Mid	QAM64	22.73	21.03	21.43	PASS
LTE Band7	5	20775	1	#Max	QAM64	22.54	20.84	21.24	PASS
LTE Band7	5	20775	12	#0	QAM64	21.42	19.72	20.12	PASS
LTE Band7	5	20775	12	#Mid	QAM64	21.42	19.72	20.12	PASS
LTE Band7	5	20775	12	#Max	QAM64	21.45	19.75	20.15	PASS
LTE Band7	5	20775	25	#0	QAM64	21.54	19.84	20.24	PASS
LTE Band7	5	21100	1	#0	QPSK	23.20	21.30	22.90	PASS
LTE Band7	5	21100	1	#Mid	QPSK	23.40	21.50	23.10	PASS
LTE Band7	5	21100	1	#Max	QPSK	23.34	21.44	23.04	PASS
LTE Band7	5	21100	12	#0	QPSK	22.32	20.42	22.02	PASS
LTE Band7	5	21100	12	#Mid	QPSK	22.32	20.42	22.02	PASS
LTE Band7	5	21100	12	#Max	QPSK	22.33	20.43	22.03	PASS
LTE Band7	5	21100	25	#0	QPSK	22.30	20.40	22.00	PASS
LTE Band7	5	21100	1	#0	QAM16	22.35	20.45	22.05	PASS
LTE Band7	5	21100	1	#Mid	QAM16	22.51	20.61	22.21	PASS
LTE Band7	5	21100	1	#Max	QAM16	22.45	20.55	22.15	PASS
LTE Band7	5	21100	12	#0	QAM16	21.25	19.35	20.95	PASS
LTE Band7	5	21100	12	#Mid	QAM16	21.21	19.31	20.91	PASS
LTE Band7	5	21100	12	#Max	QAM16	21.25	19.35	20.95	PASS
LTE Band7	5	21100	25	#0	QAM16	21.30	19.40	21.00	PASS
LTE Band7	5	21100	1	#0	QAM64	22.34	20.44	22.04	PASS
LTE Band7	5	21100	1	#Mid	QAM64	22.53	20.63	22.23	PASS
LTE Band7	5	21100	1	#Max	QAM64	22.44	20.54	22.14	PASS
LTE Band7	5	21100	12	#0	QAM64	21.18	19.28	20.88	PASS





LTE Band7	5	21100	12	#Mid	QAM64	21.24	19.34	20.94	PASS
LTE Band7	5	21100	12	#Max	QAM64	21.23	19.33	20.93	PASS
LTE Band7	5	21100	25	#0	QAM64	21.27	19.37	20.97	PASS
LTE Band7	5	21425	1	#0	QPSK	23.17	21.17	23.27	PASS
LTE Band7	5	21425	1	#Mid	QPSK	23.24	21.24	23.34	PASS
LTE Band7	5	21425	1	#Max	QPSK	23.07	21.07	23.17	PASS
LTE Band7	5	21425	12	#0	QPSK	22.28	20.28	22.38	PASS
LTE Band7	5	21425	12	#Mid	QPSK	22.20	20.20	22.30	PASS
LTE Band7	5	21425	12	#Max	QPSK	22.19	20.19	22.29	PASS
LTE Band7	5	21425	25	#0	QPSK	22.25	20.25	22.35	PASS
LTE Band7	5	21425	1	#0	QAM16	22.40	20.40	22.50	PASS
LTE Band7	5	21425	1	#Mid	QAM16	22.47	20.47	22.57	PASS
LTE Band7	5	21425	1	#Max	QAM16	22.27	20.27	22.37	PASS
LTE Band7	5	21425	12	#0	QAM16	21.20	19.20	21.30	PASS
LTE Band7	5	21425	12	#Mid	QAM16	21.23	19.23	21.33	PASS
LTE Band7	5	21425	12	#Max	QAM16	21.18	19.18	21.28	PASS
LTE Band7	5	21425	25	#0	QAM16	21.19	19.19	21.29	PASS
LTE Band7	5	21425	1	#0	QAM64	22.36	20.36	22.46	PASS
LTE Band7	5	21425	1	#Mid	QAM64	22.49	20.49	22.59	PASS
LTE Band7	5	21425	1	#Max	QAM64	22.29	20.29	22.39	PASS
LTE Band7	5	21425	12	#0	QAM64	21.22	19.22	21.32	PASS
LTE Band7	5	21425	12	#Mid	QAM64	21.24	19.24	21.34	PASS
LTE Band7	5	21425	12	#Max	QAM64	21.19	19.19	21.29	PASS
LTE Band7	5	21425	25	#0	QAM64	21.18	19.18	21.28	PASS
LTE Band7	10	20800	1	#0	QPSK	23.65	21.85	22.75	PASS
LTE Band7	10	20800	1	#Mid	QPSK	23.61	21.81	22.71	PASS
LTE Band7	10	20800	1	#Max	QPSK	23.34	21.54	22.44	PASS
LTE Band7	10	20800	25	#0	QPSK	22.41	20.61	21.51	PASS
LTE Band7	10	20800	25	#Mid	QPSK	22.39	20.59	21.49	PASS
LTE Band7	10	20800	25	#Max	QPSK	22.46	20.66	21.56	PASS
LTE Band7	10	20800	50	#0	QPSK	22.41	20.61	21.51	PASS
LTE Band7	10	20800	1	#0	QAM16	22.41	20.61	21.51	PASS
LTE Band7	10	20800	1	#Mid	QAM16	22.45	20.65	21.55	PASS
LTE Band7	10	20800	1	#Max	QAM16	22.13	20.33	21.23	PASS
LTE Band7	10	20800	25	#0	QAM16	21.32	19.52	20.42	PASS
LTE Band7	10	20800	25	#Mid	QAM16	21.32	19.52	20.42	PASS
LTE Band7	10	20800	25	#Max	QAM16	21.43	19.63	20.53	PASS
LTE Band7	10	20800	50	#0	QAM16	21.38	19.58	20.48	PASS
LTE Band7	10	20800	1	#0	QAM64	22.42	20.62	21.52	PASS
LTE Band7	10	20800	1	#Mid	QAM64	22.39	20.59	21.49	PASS
LTE Band7	10	20800	1	#Max	QAM64	22.08	20.28	21.18	PASS
LTE Band7	10	20800	25	#0	QAM64	21.36	19.56	20.46	PASS
LTE Band7	10	20800	25	#Mid	QAM64	21.39	19.59	20.49	PASS



LTE Band7	10	20800	25	#Max	QAM64	21.43	19.63	20.53	PASS
LTE Band7	10	20800	50	#0	QAM64	21.36	19.56	20.46	PASS
LTE Band7	10	21100	1	#0	QPSK	23.18	21.28	22.88	PASS
LTE Band7	10	21100	1	#Mid	QPSK	23.42	21.52	23.12	PASS
LTE Band7	10	21100	1	#Max	QPSK	23.38	21.48	23.08	PASS
LTE Band7	10	21100	25	#0	QPSK	22.31	20.41	22.01	PASS
LTE Band7	10	21100	25	#Mid	QPSK	22.25	20.35	21.95	PASS
LTE Band7	10	21100	25	#Max	QPSK	22.32	20.42	22.02	PASS
LTE Band7	10	21100	50	#0	QPSK	22.28	20.38	21.98	PASS
LTE Band7	10	21100	1	#0	QAM16	22.36	20.46	22.06	PASS
LTE Band7	10	21100	1	#Mid	QAM16	22.71	20.81	22.41	PASS
LTE Band7	10	21100	1	#Max	QAM16	22.63	20.73	22.33	PASS
LTE Band7	10	21100	25	#0	QAM16	21.32	19.42	21.02	PASS
LTE Band7	10	21100	25	#Mid	QAM16	21.38	19.48	21.08	PASS
LTE Band7	10	21100	25	#Max	QAM16	21.41	19.51	21.11	PASS
LTE Band7	10	21100	50	#0	QAM16	21.33	19.43	21.03	PASS
LTE Band7	10	21100	1	#0	QAM64	22.37	20.47	22.07	PASS
LTE Band7	10	21100	1	#Mid	QAM64	22.71	20.81	22.41	PASS
LTE Band7	10	21100	1	#Max	QAM64	22.61	20.71	22.31	PASS
LTE Band7	10	21100	25	#0	QAM64	21.30	19.40	21.00	PASS
LTE Band7	10	21100	25	#Mid	QAM64	21.32	19.42	21.02	PASS
LTE Band7	10	21100	25	#Max	QAM64	21.40	19.50	21.10	PASS
LTE Band7	10	21100	50	#0	QAM64	21.23	19.33	20.93	PASS
LTE Band7	10	21400	1	#0	QPSK	23.46	21.46	23.56	PASS
LTE Band7	10	21400	1	#Mid	QPSK	23.39	21.39	23.49	PASS
LTE Band7	10	21400	1	#Max	QPSK	23.17	21.17	23.27	PASS
LTE Band7	10	21400	25	#0	QPSK	22.40	20.40	22.50	PASS
LTE Band7	10	21400	25	#Mid	QPSK	22.39	20.39	22.49	PASS
LTE Band7	10	21400	25	#Max	QPSK	22.32	20.32	22.42	PASS
LTE Band7	10	21400	50	#0	QPSK	22.31	20.31	22.41	PASS
LTE Band7	10	21400	1	#0	QAM16	22.53	20.53	22.63	PASS
LTE Band7	10	21400	1	#Mid	QAM16	22.58	20.58	22.68	PASS
LTE Band7	10	21400	1	#Max	QAM16	22.25	20.25	22.35	PASS
LTE Band7	10	21400	25	#0	QAM16	21.35	19.35	21.45	PASS
LTE Band7	10	21400	25	#Mid	QAM16	21.40	19.40	21.50	PASS
LTE Band7	10	21400	25	#Max	QAM16	21.36	19.36	21.46	PASS
LTE Band7	10	21400	50	#0	QAM16	21.28	19.28	21.38	PASS
LTE Band7	10	21400	1	#0	QAM64	22.53	20.53	22.63	PASS
LTE Band7	10	21400	1	#Mid	QAM64	22.51	20.51	22.61	PASS
LTE Band7	10	21400	1	#Max	QAM64	22.24	20.24	22.34	PASS
LTE Band7	10	21400	25	#0	QAM64	21.34	19.34	21.44	PASS
LTE Band7	10	21400	25	#Mid	QAM64	21.35	19.35	21.45	PASS
LTE Band7	10	21400	25	#Max	QAM64	21.30	19.30	21.40	PASS



LTE Band7	10	21400	50	#0	QAM64	21.29	19.29	21.39	PASS
LTE Band7	15	20825	1	#0	QPSK	23.57	21.77	22.67	PASS
LTE Band7	15	20825	1	#Mid	QPSK	23.44	21.64	22.54	PASS
LTE Band7	15	20825	1	#Max	QPSK	23.07	21.27	22.17	PASS
LTE Band7	15	20825	36	#0	QPSK	22.45	20.65	21.55	PASS
LTE Band7	15	20825	36	#Mid	QPSK	22.43	20.63	21.53	PASS
LTE Band7	15	20825	36	#Max	QPSK	22.27	20.47	21.37	PASS
LTE Band7	15	20825	75	#0	QPSK	22.34	20.54	21.44	PASS
LTE Band7	15	20825	1	#0	QAM16	22.66	20.86	21.76	PASS
LTE Band7	15	20825	1	#Mid	QAM16	22.51	20.71	21.61	PASS
LTE Band7	15	20825	1	#Max	QAM16	22.24	20.44	21.34	PASS
LTE Band7	15	20825	36	#0	QAM16	21.36	19.56	20.46	PASS
LTE Band7	15	20825	36	#Mid	QAM16	21.39	19.59	20.49	PASS
LTE Band7	15	20825	36	#Max	QAM16	21.21	19.41	20.31	PASS
LTE Band7	15	20825	75	#0	QAM16	21.27	19.47	20.37	PASS
LTE Band7	15	20825	1	#0	QAM64	22.58	20.78	21.68	PASS
LTE Band7	15	20825	1	#Mid	QAM64	22.52	20.72	21.62	PASS
LTE Band7	15	20825	1	#Max	QAM64	22.15	20.35	21.25	PASS
LTE Band7	15	20825	36	#0	QAM64	21.35	19.55	20.45	PASS
LTE Band7	15	20825	36	#Mid	QAM64	21.36	19.56	20.46	PASS
LTE Band7	15	20825	36	#Max	QAM64	21.27	19.47	20.37	PASS
LTE Band7	15	20825	75	#0	QAM64	21.26	19.46	20.36	PASS
LTE Band7	15	21100	1	#0	QPSK	23.18	21.28	22.88	PASS
LTE Band7	15	21100	1	#Mid	QPSK	23.44	21.54	23.14	PASS
LTE Band7	15	21100	1	#Max	QPSK	23.45	21.55	23.15	PASS
LTE Band7	15	21100	36	#0	QPSK	22.24	20.34	21.94	PASS
LTE Band7	15	21100	36	#Mid	QPSK	22.21	20.31	21.91	PASS
LTE Band7	15	21100	36	#Max	QPSK	22.34	20.44	22.04	PASS
LTE Band7	15	21100	75	#0	QPSK	22.31	20.41	22.01	PASS
LTE Band7	15	21100	1	#0	QAM16	22.08	20.18	21.78	PASS
LTE Band7	15	21100	1	#Mid	QAM16	22.39	20.49	22.09	PASS
LTE Band7	15	21100	1	#Max	QAM16	22.46	20.56	22.16	PASS
LTE Band7	15	21100	36	#0	QAM16	21.26	19.36	20.96	PASS
LTE Band7	15	21100	36	#Mid	QAM16	21.22	19.32	20.92	PASS
LTE Band7	15	21100	36	#Max	QAM16	21.38	19.48	21.08	PASS
LTE Band7	15	21100	75	#0	QAM16	21.32	19.42	21.02	PASS
LTE Band7	15	21100	1	#0	QAM64	22.11	20.21	21.81	PASS
LTE Band7	15	21100	1	#Mid	QAM64	22.38	20.48	22.08	PASS
LTE Band7	15	21100	1	#Max	QAM64	22.49	20.59	22.19	PASS
LTE Band7	15	21100	36	#0	QAM64	21.23	19.33	20.93	PASS
LTE Band7	15	21100	36	#Mid	QAM64	21.20	19.30	20.90	PASS
LTE Band7	15	21100	36	#Max	QAM64	21.39	19.49	21.09	PASS
LTE Band7	15	21100	75	#0	QAM64	21.32	19.42	21.02	PASS



LTE Band7	15	21375	1	#0	QPSK	23.48	21.58	23.38	PASS
LTE Band7	15	21375	1	#Mid	QPSK	23.41	21.51	23.31	PASS
LTE Band7	15	21375	1	#Max	QPSK	23.10	21.20	23.00	PASS
LTE Band7	15	21375	36	#0	QPSK	22.64	20.74	22.54	PASS
LTE Band7	15	21375	36	#Mid	QPSK	22.63	20.73	22.53	PASS
LTE Band7	15	21375	36	#Max	QPSK	22.37	20.47	22.27	PASS
LTE Band7	15	21375	75	#0	QPSK	22.47	20.57	22.37	PASS
LTE Band7	15	21375	1	#0	QAM16	22.66	20.76	22.56	PASS
LTE Band7	15	21375	1	#Mid	QAM16	22.57	20.67	22.47	PASS
LTE Band7	15	21375	1	#Max	QAM16	22.31	20.41	22.21	PASS
LTE Band7	15	21375	36	#0	QAM16	21.61	19.71	21.51	PASS
LTE Band7	15	21375	36	#Mid	QAM16	21.57	19.67	21.47	PASS
LTE Band7	15	21375	36	#Max	QAM16	21.34	19.44	21.24	PASS
LTE Band7	15	21375	75	#0	QAM16	21.44	19.54	21.34	PASS
LTE Band7	15	21375	1	#0	QAM64	22.69	20.79	22.59	PASS
LTE Band7	15	21375	1	#Mid	QAM64	22.61	20.71	22.51	PASS
LTE Band7	15	21375	1	#Max	QAM64	22.25	20.35	22.15	PASS
LTE Band7	15	21375	36	#0	QAM64	21.56	19.66	21.46	PASS
LTE Band7	15	21375	36	#Mid	QAM64	21.58	19.68	21.48	PASS
LTE Band7	15	21375	36	#Max	QAM64	21.33	19.43	21.23	PASS
LTE Band7	15	21375	75	#0	QAM64	21.51	19.61	21.41	PASS
LTE Band7	20	20850	1	#0	QPSK	23.49	21.69	22.59	PASS
LTE Band7	20	20850	1	#Mid	QPSK	23.42	21.62	22.52	PASS
LTE Band7	20	20850	1	#Max	QPSK	22.96	21.16	22.06	PASS
LTE Band7	20	20850	50	#0	QPSK	22.12	20.32	21.22	PASS
LTE Band7	20	20850	50	#Mid	QPSK	22.08	20.28	21.18	PASS
LTE Band7	20	20850	50	#Max	QPSK	21.93	20.13	21.03	PASS
LTE Band7	20	20850	100	#0	QPSK	22.02	20.22	21.12	PASS
LTE Band7	20	20850	1	#0	QAM16	22.24	20.44	21.34	PASS
LTE Band7	20	20850	1	#Mid	QAM16	22.15	20.35	21.25	PASS
LTE Band7	20	20850	1	#Max	QAM16	21.66	19.86	20.76	PASS
LTE Band7	20	20850	50	#0	QAM16	21.10	19.30	20.20	PASS
LTE Band7	20	20850	50	#Mid	QAM16	21.14	19.34	20.24	PASS
LTE Band7	20	20850	50	#Max	QAM16	20.98	19.18	20.08	PASS
LTE Band7	20	20850	100	#0	QAM16	21.00	19.20	20.10	PASS
LTE Band7	20	20850	1	#0	QAM64	22.21	20.41	21.31	PASS
LTE Band7	20	20850	1	#Mid	QAM64	22.10	20.30	21.20	PASS
LTE Band7	20	20850	1	#Max	QAM64	21.87	20.07	20.97	PASS
LTE Band7	20	20850	50	#0	QAM64	21.13	19.33	20.23	PASS
LTE Band7	20	20850	50	#Mid	QAM64	21.08	19.28	20.18	PASS
LTE Band7	20	20850	50	#Max	QAM64	20.98	19.18	20.08	PASS
LTE Band7	20	20850	100	#0	QAM64	21.01	19.21	20.11	PASS
LTE Band7	20	21100	1	#0	QPSK	22.99	21.09	22.69	PASS



LTE Band7	20	21100	1	#Mid	QPSK	23.59	21.69	23.29	PASS
LTE Band7	20	21100	1	#Max	QPSK	23.42	21.52	23.12	PASS
LTE Band7	20	21100	50	#0	QPSK	22.04	20.14	21.74	PASS
LTE Band7	20	21100	50	#Mid	QPSK	22.06	20.16	21.76	PASS
LTE Band7	20	21100	50	#Max	QPSK	22.25	20.35	21.95	PASS
LTE Band7	20	21100	100	#0	QPSK	22.17	20.27	21.87	PASS
LTE Band7	20	21100	1	#0	QAM16	22.14	20.24	21.84	PASS
LTE Band7	20	21100	1	#Mid	QAM16	22.68	20.78	22.38	PASS
LTE Band7	20	21100	1	#Max	QAM16	22.58	20.68	22.28	PASS
LTE Band7	20	21100	50	#0	QAM16	21.03	19.13	20.73	PASS
LTE Band7	20	21100	50	#Mid	QAM16	21.13	19.23	20.83	PASS
LTE Band7	20	21100	50	#Max	QAM16	21.31	19.41	21.01	PASS
LTE Band7	20	21100	100	#0	QAM16	21.22	19.32	20.92	PASS
LTE Band7	20	21100	1	#0	QAM64	22.11	20.21	21.81	PASS
LTE Band7	20	21100	1	#Mid	QAM64	22.71	20.81	22.41	PASS
LTE Band7	20	21100	1	#Max	QAM64	22.56	20.66	22.26	PASS
LTE Band7	20	21100	50	#0	QAM64	21.04	19.14	20.74	PASS
LTE Band7	20	21100	50	#Mid	QAM64	21.10	19.20	20.80	PASS
LTE Band7	20	21100	50	#Max	QAM64	21.26	19.36	20.96	PASS
LTE Band7	20	21100	100	#0	QAM64	21.21	19.31	20.91	PASS
LTE Band7	20	21350	1	#0	QPSK	23.55	21.65	23.45	PASS
LTE Band7	20	21350	1	#Mid	QPSK	23.68	21.78	23.58	PASS
LTE Band7	20	21350	1	#Max	QPSK	23.12	21.22	23.02	PASS
LTE Band7	20	21350	50	#0	QPSK	22.58	20.68	22.48	PASS
LTE Band7	20	21350	50	#Mid	QPSK	22.59	20.69	22.49	PASS
LTE Band7	20	21350	50	#Max	QPSK	22.26	20.36	22.16	PASS
LTE Band7	20	21350	100	#0	QPSK	22.45	20.55	22.35	PASS
LTE Band7	20	21350	1	#0	QAM16	22.45	20.55	22.35	PASS
LTE Band7	20	21350	1	#Mid	QAM16	22.49	20.59	22.39	PASS
LTE Band7	20	21350	1	#Max	QAM16	21.87	19.97	21.77	PASS
LTE Band7	20	21350	50	#0	QAM16	21.55	19.65	21.45	PASS
LTE Band7	20	21350	50	#Mid	QAM16	21.52	19.62	21.42	PASS
LTE Band7	20	21350	50	#Max	QAM16	21.20	19.30	21.10	PASS
LTE Band7	20	21350	100	#0	QAM16	21.46	19.56	21.36	PASS
LTE Band7	20	21350	1	#0	QAM64	22.42	20.52	22.32	PASS
LTE Band7	20	21350	1	#Mid	QAM64	22.47	20.57	22.37	PASS
LTE Band7	20	21350	1	#Max	QAM64	21.90	20.00	21.80	PASS
LTE Band7	20	21350	50	#0	QAM64	21.56	19.66	21.46	PASS
LTE Band7	20	21350	50	#Mid	QAM64	21.53	19.63	21.43	PASS
LTE Band7	20	21350	50	#Max	QAM64	21.22	19.32	21.12	PASS
LTE Band7	20	21350	100	#0	QAM64	21.43	19.53	21.33	PASS





Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm) Main Antenna	EIRP (dBm) Second Antenna	Verdict
LTE Band38	5	37775	1	#0	QPSK	22.95	20.95	23.05	PASS
LTE Band38	5	37775	1	#Mid	QPSK	22.95	20.95	23.05	PASS
LTE Band38	5	37775	1	#Max	QPSK	22.90	20.90	23.00	PASS
LTE Band38	5	37775	12	#0	QPSK	21.89	19.89	21.99	PASS
LTE Band38	5	37775	12	#Mid	QPSK	21.87	19.87	21.97	PASS
LTE Band38	5	37775	12	#Max	QPSK	21.85	19.85	21.95	PASS
LTE Band38	5	37775	25	#0	QPSK	21.88	19.88	21.98	PASS
LTE Band38	5	37775	1	#0	QAM16	22.03	20.03	22.13	PASS
LTE Band38	5	37775	1	#Mid	QAM16	22.25	20.25	22.35	PASS
LTE Band38	5	37775	1	#Max	QAM16	22.10	20.10	22.20	PASS
LTE Band38	5	37775	12	#0	QAM16	20.86	18.86	20.96	PASS
LTE Band38	5	37775	12	#Mid	QAM16	20.87	18.87	20.97	PASS
LTE Band38	5	37775	12	#Max	QAM16	20.86	18.86	20.96	PASS
LTE Band38	5	37775	25	#0	QAM16	20.83	18.83	20.93	PASS
LTE Band38	5	37775	1	#0	QAM64	22.05	20.05	22.15	PASS
LTE Band38	5	37775	1	#Mid	QAM64	22.23	20.23	22.33	PASS
LTE Band38	5	37775	1	#Max	QAM64	22.04	20.04	22.14	PASS
LTE Band38	5	37775	12	#0	QAM64	20.90	18.90	21.00	PASS
LTE Band38	5	37775	12	#Mid	QAM64	20.89	18.89	20.99	PASS
LTE Band38	5	37775	12	#Max	QAM64	20.87	18.87	20.97	PASS
LTE Band38	5	37775	25	#0	QAM64	20.88	18.88	20.98	PASS
LTE Band38	5	38000	1	#0	QPSK	23.18	20.38	22.68	PASS
LTE Band38	5	38000	1	#Mid	QPSK	23.28	20.48	22.78	PASS
LTE Band38	5	38000	1	#Max	QPSK	23.09	20.29	22.59	PASS
LTE Band38	5	38000	12	#0	QPSK	22.20	19.40	21.70	PASS
LTE Band38	5	38000	12	#Mid	QPSK	22.19	19.39	21.69	PASS
LTE Band38	5	38000	12	#Max	QPSK	22.17	19.37	21.67	PASS
LTE Band38	5	38000	25	#0	QPSK	22.19	19.39	21.69	PASS
LTE Band38	5	38000	1	#0	QAM16	22.46	19.66	21.96	PASS
LTE Band38	5	38000	1	#Mid	QAM16	22.59	19.79	22.09	PASS
LTE Band38	5	38000	1	#Max	QAM16	22.40	19.60	21.90	PASS
LTE Band38	5	38000	12	#0	QAM16	21.14	18.34	20.64	PASS
LTE Band38	5	38000	12	#Mid	QAM16	21.12	18.32	20.62	PASS
LTE Band38	5	38000	12	#Max	QAM16	21.07	18.27	20.57	PASS
LTE Band38	5	38000	25	#0	QAM16	21.15	18.35	20.65	PASS
LTE Band38	5	38000	1	#0	QAM64	22.45	19.65	21.95	PASS
LTE Band38	5	38000	1	#Mid	QAM64	22.63	19.83	22.13	PASS
LTE Band38	5	38000	1	#Max	QAM64	22.40	19.60	21.90	PASS



LTE Band38	5	38000	12	#0	QAM64	21.11	18.31	20.61	PASS
LTE Band38	5	38000	12	#Mid	QAM64	21.14	18.34	20.64	PASS
LTE Band38	5	38000	12	#Max	QAM64	21.12	18.32	20.62	PASS
LTE Band38	5	38000	25	#0	QAM64	21.22	18.42	20.72	PASS
LTE Band38	5	38225	1	#0	QPSK	23.16	19.76	21.86	PASS
LTE Band38	5	38225	1	#Mid	QPSK	23.35	19.95	22.05	PASS
LTE Band38	5	38225	1	#Max	QPSK	23.20	19.80	21.90	PASS
LTE Band38	5	38225	12	#0	QPSK	22.22	18.82	20.92	PASS
LTE Band38	5	38225	12	#Mid	QPSK	22.17	18.77	20.87	PASS
LTE Band38	5	38225	12	#Max	QPSK	22.26	18.86	20.96	PASS
LTE Band38	5	38225	25	#0	QPSK	22.24	18.84	20.94	PASS
LTE Band38	5	38225	1	#0	QAM16	22.31	18.91	21.01	PASS
LTE Band38	5	38225	1	#Mid	QAM16	22.49	19.09	21.19	PASS
LTE Band38	5	38225	1	#Max	QAM16	22.30	18.90	21.00	PASS
LTE Band38	5	38225	12	#0	QAM16	21.15	17.75	19.85	PASS
LTE Band38	5	38225	12	#Mid	QAM16	21.12	17.72	19.82	PASS
LTE Band38	5	38225	12	#Max	QAM16	21.14	17.74	19.84	PASS
LTE Band38	5	38225	25	#0	QAM16	21.17	17.77	19.87	PASS
LTE Band38	5	38225	1	#0	QAM64	22.32	18.92	21.02	PASS
LTE Band38	5	38225	1	#Mid	QAM64	22.47	19.07	21.17	PASS
LTE Band38	5	38225	1	#Max	QAM64	22.31	18.91	21.01	PASS
LTE Band38	5	38225	12	#0	QAM64	21.14	17.74	19.84	PASS
LTE Band38	5	38225	12	#Mid	QAM64	21.12	17.72	19.82	PASS
LTE Band38	5	38225	12	#Max	QAM64	21.15	17.75	19.85	PASS
LTE Band38	5	38225	25	#0	QAM64	21.17	17.77	19.87	PASS
LTE Band38	10	37800	1	#0	QPSK	23.16	20.96	23.16	PASS
LTE Band38	10	37800	1	#Mid	QPSK	23.37	21.17	23.37	PASS
LTE Band38	10	37800	1	#Max	QPSK	23.15	20.95	23.15	PASS
LTE Band38	10	37800	25	#0	QPSK	22.16	19.96	22.16	PASS
LTE Band38	10	37800	25	#Mid	QPSK	22.13	19.93	22.13	PASS
LTE Band38	10	37800	25	#Max	QPSK	22.05	19.85	22.05	PASS
LTE Band38	10	37800	50	#0	QPSK	22.12	19.92	22.12	PASS
LTE Band38	10	37800	1	#0	QAM16	22.13	19.93	22.13	PASS
LTE Band38	10	37800	1	#Mid	QAM16	22.36	20.16	22.36	PASS
LTE Band38	10	37800	1	#Max	QAM16	22.17	19.97	22.17	PASS
LTE Band38	10	37800	25	#0	QAM16	21.16	18.96	21.16	PASS
LTE Band38	10	37800	25	#Mid	QAM16	21.12	18.92	21.12	PASS
LTE Band38	10	37800	25	#Max	QAM16	21.08	18.88	21.08	PASS
LTE Band38	10	37800	50	#0	QAM16	21.02	18.82	21.02	PASS
LTE Band38	10	37800	1	#0	QAM64	22.18	19.98	22.18	PASS
LTE Band38	10	37800	1	#Mid	QAM64	22.37	20.17	22.37	PASS
LTE Band38	10	37800	1	#Max	QAM64	22.17	19.97	22.17	PASS
LTE Band38	10	37800	25	#0	QAM64	21.11	18.91	21.11	PASS



LTE Band38	10	37800	25	#Mid	QAM64	21.14	18.94	21.14	PASS
LTE Band38	10	37800	25	#Max	QAM64	21.08	18.88	21.08	PASS
LTE Band38	10	37800	50	#0	QAM64	21.06	18.86	21.06	PASS
LTE Band38	10	38000	1	#0	QPSK	23.40	20.60	22.90	PASS
LTE Band38	10	38000	1	#Mid	QPSK	23.56	20.76	23.06	PASS
LTE Band38	10	38000	1	#Max	QPSK	23.25	20.45	22.75	PASS
LTE Band38	10	38000	25	#0	QPSK	22.36	19.56	21.86	PASS
LTE Band38	10	38000	25	#Mid	QPSK	22.38	19.58	21.88	PASS
LTE Band38	10	38000	25	#Max	QPSK	22.29	19.49	21.79	PASS
LTE Band38	10	38000	50	#0	QPSK	22.34	19.54	21.84	PASS
LTE Band38	10	38000	1	#0	QAM16	22.27	19.47	21.77	PASS
LTE Band38	10	38000	1	#Mid	QAM16	22.45	19.65	21.95	PASS
LTE Band38	10	38000	1	#Max	QAM16	22.16	19.36	21.66	PASS
LTE Band38	10	38000	25	#0	QAM16	21.34	18.54	20.84	PASS
LTE Band38	10	38000	25	#Mid	QAM16	21.33	18.53	20.83	PASS
LTE Band38	10	38000	25	#Max	QAM16	21.23	18.43	20.73	PASS
LTE Band38	10	38000	50	#0	QAM16	21.28	18.48	20.78	PASS
LTE Band38	10	38000	1	#0	QAM64	22.27	19.47	21.77	PASS
LTE Band38	10	38000	1	#Mid	QAM64	22.43	19.63	21.93	PASS
LTE Band38	10	38000	1	#Max	QAM64	22.14	19.34	21.64	PASS
LTE Band38	10	38000	25	#0	QAM64	21.32	18.52	20.82	PASS
LTE Band38	10	38000	25	#Mid	QAM64	21.34	18.54	20.84	PASS
LTE Band38	10	38000	25	#Max	QAM64	21.25	18.45	20.75	PASS
LTE Band38	10	38000	50	#0	QAM64	21.23	18.43	20.73	PASS
LTE Band38	10	38200	1	#0	QPSK	23.27	19.87	21.97	PASS
LTE Band38	10	38200	1	#Mid	QPSK	23.47	20.07	22.17	PASS
LTE Band38	10	38200	1	#Max	QPSK	23.26	19.86	21.96	PASS
LTE Band38	10	38200	25	#0	QPSK	22.26	18.86	20.96	PASS
LTE Band38	10	38200	25	#Mid	QPSK	22.26	18.86	20.96	PASS
LTE Band38	10	38200	25	#Max	QPSK	22.34	18.94	21.04	PASS
LTE Band38	10	38200	50	#0	QPSK	22.26	18.86	20.96	PASS
LTE Band38	10	38200	1	#0	QAM16	22.56	19.16	21.26	PASS
LTE Band38	10	38200	1	#Mid	QAM16	22.70	19.30	21.40	PASS
LTE Band38	10	38200	1	#Max	QAM16	22.56	19.16	21.26	PASS
LTE Band38	10	38200	25	#0	QAM16	21.28	17.88	19.98	PASS
LTE Band38	10	38200	25	#Mid	QAM16	21.26	17.86	19.96	PASS
LTE Band38	10	38200	25	#Max	QAM16	21.41	18.01	20.11	PASS
LTE Band38	10	38200	50	#0	QAM16	21.22	17.82	19.92	PASS
LTE Band38	10	38200	1	#0	QAM64	22.51	19.11	21.21	PASS
LTE Band38	10	38200	1	#Mid	QAM64	22.73	19.33	21.43	PASS
LTE Band38	10	38200	1	#Max	QAM64	22.55	19.15	21.25	PASS
LTE Band38	10	38200	25	#0	QAM64	21.29	17.89	19.99	PASS
LTE Band38	10	38200	25	#Mid	QAM64	21.29	17.89	19.99	PASS





LTE Band38	10	38200	25	#Max	QAM64	21.40	18.00	20.10	PASS
LTE Band38	10	38200	50	#0	QAM64	21.24	17.84	19.94	PASS
LTE Band38	15	37825	1	#0	QPSK	23.13	20.93	23.13	PASS
LTE Band38	15	37825	1	#Mid	QPSK	23.17	20.97	23.17	PASS
LTE Band38	15	37825	1	#Max	QPSK	23.17	20.97	23.17	PASS
LTE Band38	15	37825	36	#0	QPSK	22.23	20.03	22.23	PASS
LTE Band38	15	37825	36	#Mid	QPSK	22.19	19.99	22.19	PASS
LTE Band38	15	37825	36	#Max	QPSK	22.24	20.04	22.24	PASS
LTE Band38	15	37825	75	#0	QPSK	22.21	20.01	22.21	PASS
LTE Band38	15	37825	1	#0	QAM16	22.39	20.19	22.39	PASS
LTE Band38	15	37825	1	#Mid	QAM16	22.47	20.27	22.47	PASS
LTE Band38	15	37825	1	#Max	QAM16	22.42	20.22	22.42	PASS
LTE Band38	15	37825	36	#0	QAM16	21.17	18.97	21.17	PASS
LTE Band38	15	37825	36	#Mid	QAM16	21.18	18.98	21.18	PASS
LTE Band38	15	37825	36	#Max	QAM16	21.16	18.96	21.16	PASS
LTE Band38	15	37825	75	#0	QAM16	21.21	19.01	21.21	PASS
LTE Band38	15	37825	1	#0	QAM64	22.37	20.17	22.37	PASS
LTE Band38	15	37825	1	#Mid	QAM64	22.48	20.28	22.48	PASS
LTE Band38	15	37825	1	#Max	QAM64	22.44	20.24	22.44	PASS
LTE Band38	15	37825	36	#0	QAM64	21.18	18.98	21.18	PASS
LTE Band38	15	37825	36	#Mid	QAM64	21.17	18.97	21.17	PASS
LTE Band38	15	37825	36	#Max	QAM64	21.19	18.99	21.19	PASS
LTE Band38	15	37825	75	#0	QAM64	21.25	19.05	21.25	PASS
LTE Band38	15	38000	1	#0	QPSK	23.38	20.58	22.88	PASS
LTE Band38	15	38000	1	#Mid	QPSK	23.40	20.60	22.90	PASS
LTE Band38	15	38000	1	#Max	QPSK	23.20	20.40	22.70	PASS
LTE Band38	15	38000	36	#0	QPSK	22.41	19.61	21.91	PASS
LTE Band38	15	38000	36	#Mid	QPSK	22.42	19.62	21.92	PASS
LTE Band38	15	38000	36	#Max	QPSK	22.35	19.55	21.85	PASS
LTE Band38	15	38000	75	#0	QPSK	22.37	19.57	21.87	PASS
LTE Band38	15	38000	1	#0	QAM16	22.35	19.55	21.85	PASS
LTE Band38	15	38000	1	#Mid	QAM16	22.44	19.64	21.94	PASS
LTE Band38	15	38000	1	#Max	QAM16	22.18	19.38	21.68	PASS
LTE Band38	15	38000	36	#0	QAM16	21.34	18.54	20.84	PASS
LTE Band38	15	38000	36	#Mid	QAM16	21.35	18.55	20.85	PASS
LTE Band38	15	38000	36	#Max	QAM16	21.27	18.47	20.77	PASS
LTE Band38	15	38000	75	#0	QAM16	21.34	18.54	20.84	PASS
LTE Band38	15	38000	1	#0	QAM64	22.37	19.57	21.87	PASS
LTE Band38	15	38000	1	#Mid	QAM64	22.45	19.65	21.95	PASS
LTE Band38	15	38000	1	#Max	QAM64	22.22	19.42	21.72	PASS
LTE Band38	15	38000	36	#0	QAM64	21.37	18.57	20.87	PASS
LTE Band38	15	38000	36	#Mid	QAM64	21.37	18.57	20.87	PASS
LTE Band38	15	38000	36	#Max	QAM64	21.28	18.48	20.78	PASS



LTE Band38	15	38000	75	#0	QAM64	21.30	18.50	20.80	PASS
LTE Band38	15	38175	1	#0	QPSK	23.32	20.22	22.62	PASS
LTE Band38	15	38175	1	#Mid	QPSK	23.35	20.25	22.65	PASS
LTE Band38	15	38175	1	#Max	QPSK	23.35	20.25	22.65	PASS
LTE Band38	15	38175	36	#0	QPSK	22.30	19.20	21.60	PASS
LTE Band38	15	38175	36	#Mid	QPSK	22.34	19.24	21.64	PASS
LTE Band38	15	38175	36	#Max	QPSK	22.36	19.26	21.66	PASS
LTE Band38	15	38175	75	#0	QPSK	22.34	19.24	21.64	PASS
LTE Band38	15	38175	1	#0	QAM16	22.21	19.11	21.51	PASS
LTE Band38	15	38175	1	#Mid	QAM16	22.29	19.19	21.59	PASS
LTE Band38	15	38175	1	#Max	QAM16	22.26	19.16	21.56	PASS
LTE Band38	15	38175	36	#0	QAM16	21.21	18.11	20.51	PASS
LTE Band38	15	38175	36	#Mid	QAM16	21.23	18.13	20.53	PASS
LTE Band38	15	38175	36	#Max	QAM16	21.28	18.18	20.58	PASS
LTE Band38	15	38175	75	#0	QAM16	21.28	18.18	20.58	PASS
LTE Band38	15	38175	1	#0	QAM64	22.26	19.16	21.56	PASS
LTE Band38	15	38175	1	#Mid	QAM64	22.32	19.22	21.62	PASS
LTE Band38	15	38175	1	#Max	QAM64	22.26	19.16	21.56	PASS
LTE Band38	15	38175	36	#0	QAM64	21.21	18.11	20.51	PASS
LTE Band38	15	38175	36	#Mid	QAM64	21.20	18.10	20.50	PASS
LTE Band38	15	38175	36	#Max	QAM64	21.29	18.19	20.59	PASS
LTE Band38	15	38175	75	#0	QAM64	21.27	18.17	20.57	PASS
LTE Band38	20	37850	1	#0	QPSK	23.15	20.95	23.15	PASS
LTE Band38	20	37850	1	#Mid	QPSK	23.48	21.28	23.48	PASS
LTE Band38	20	37850	1	#Max	QPSK	23.22	21.02	23.22	PASS
LTE Band38	20	37850	50	#0	QPSK	22.19	19.99	22.19	PASS
LTE Band38	20	37850	50	#Mid	QPSK	22.22	20.02	22.22	PASS
LTE Band38	20	37850	50	#Max	QPSK	22.20	20.00	22.20	PASS
LTE Band38	20	37850	100	#0	QPSK	22.25	20.05	22.25	PASS
LTE Band38	20	37850	1	#0	QAM16	22.03	19.83	22.03	PASS
LTE Band38	20	37850	1	#Mid	QAM16	22.42	20.22	22.42	PASS
LTE Band38	20	37850	1	#Max	QAM16	22.13	19.93	22.13	PASS
LTE Band38	20	37850	50	#0	QAM16	21.14	18.94	21.14	PASS
LTE Band38	20	37850	50	#Mid	QAM16	21.12	18.92	21.12	PASS
LTE Band38	20	37850	50	#Max	QAM16	21.19	18.99	21.19	PASS
LTE Band38	20	37850	100	#0	QAM16	21.19	18.99	21.19	PASS
LTE Band38	20	37850	1	#0	QAM64	22.05	19.85	22.05	PASS
LTE Band38	20	37850	1	#Mid	QAM64	22.39	20.19	22.39	PASS
LTE Band38	20	37850	1	#Max	QAM64	22.11	19.91	22.11	PASS
LTE Band38	20	37850	50	#0	QAM64	21.12	18.92	21.12	PASS
LTE Band38	20	37850	50	#Mid	QAM64	21.14	18.94	21.14	PASS
LTE Band38	20	37850	50	#Max	QAM64	21.19	18.99	21.19	PASS
LTE Band38	20	37850	100	#0	QAM64	21.22	19.02	21.22	PASS



LTE Band38	20	38000	1	#0	QPSK	23.33	20.53	22.83	PASS
LTE Band38	20	38000	1	#Mid	QPSK	23.57	20.77	23.07	PASS
LTE Band38	20	38000	1	#Max	QPSK	23.13	20.33	22.63	PASS
LTE Band38	20	38000	50	#0	QPSK	22.31	19.51	21.81	PASS
LTE Band38	20	38000	50	#Mid	QPSK	22.30	19.50	21.80	PASS
LTE Band38	20	38000	50	#Max	QPSK	22.26	19.46	21.76	PASS
LTE Band38	20	38000	100	#0	QPSK	22.33	19.53	21.83	PASS
LTE Band38	20	38000	1	#0	QAM16	22.01	19.21	21.51	PASS
LTE Band38	20	38000	1	#Mid	QAM16	22.19	19.39	21.69	PASS
LTE Band38	20	38000	1	#Max	QAM16	21.78	18.98	21.28	PASS
LTE Band38	20	38000	50	#0	QAM16	21.29	18.49	20.79	PASS
LTE Band38	20	38000	50	#Mid	QAM16	21.31	18.51	20.81	PASS
LTE Band38	20	38000	50	#Max	QAM16	21.23	18.43	20.73	PASS
LTE Band38	20	38000	100	#0	QAM16	21.30	18.50	20.80	PASS
LTE Band38	20	38000	1	#0	QAM64	22.01	19.21	21.51	PASS
LTE Band38	20	38000	1	#Mid	QAM64	22.23	19.43	21.73	PASS
LTE Band38	20	38000	1	#Max	QAM64	21.76	18.96	21.26	PASS
LTE Band38	20	38000	50	#0	QAM64	21.32	18.52	20.82	PASS
LTE Band38	20	38000	50	#Mid	QAM64	21.33	18.53	20.83	PASS
LTE Band38	20	38000	50	#Max	QAM64	21.22	18.42	20.72	PASS
LTE Band38	20	38000	100	#0	QAM64	21.30	18.50	20.80	PASS
LTE Band38	20	38150	1	#0	QPSK	23.22	20.12	22.52	PASS
LTE Band38	20	38150	1	#Mid	QPSK	23.44	20.34	22.74	PASS
LTE Band38	20	38150	1	#Max	QPSK	23.22	20.12	22.52	PASS
LTE Band38	20	38150	50	#0	QPSK	22.20	19.10	21.50	PASS
LTE Band38	20	38150	50	#Mid	QPSK	22.21	19.11	21.51	PASS
LTE Band38	20	38150	50	#Max	QPSK	22.31	19.21	21.61	PASS
LTE Band38	20	38150	100	#0	QPSK	22.28	19.18	21.58	PASS
LTE Band38	20	38150	1	#0	QAM16	22.35	19.25	21.65	PASS
LTE Band38	20	38150	1	#Mid	QAM16	22.57	19.47	21.87	PASS
LTE Band38	20	38150	1	#Max	QAM16	22.34	19.24	21.64	PASS
LTE Band38	20	38150	50	#0	QAM16	21.16	18.06	20.46	PASS
LTE Band38	20	38150	50	#Mid	QAM16	21.18	18.08	20.48	PASS
LTE Band38	20	38150	50	#Max	QAM16	21.20	18.10	20.50	PASS
LTE Band38	20	38150	100	#0	QAM16	21.26	18.16	20.56	PASS
LTE Band38	20	38150	1	#0	QAM64	22.34	19.24	21.64	PASS
LTE Band38	20	38150	1	#Mid	QAM64	22.55	19.45	21.85	PASS
LTE Band38	20	38150	1	#Max	QAM64	22.30	19.20	21.60	PASS
LTE Band38	20	38150	50	#0	QAM64	21.16	18.06	20.46	PASS
LTE Band38	20	38150	50	#Mid	QAM64	21.17	18.07	20.47	PASS
LTE Band38	20	38150	50	#Max	QAM64	21.25	18.15	20.55	PASS
LTE Band38	20	38150	100	#0	QAM64	21.25	18.15	20.55	PASS



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm) Main Antenna	EIRP (dBm) Second Antenna	Verdict
LTE Band41	5	39675	1	#0	QPSK	23.67	21.97	22.37	PASS
LTE Band41	5	39675	1	#Mid	QPSK	23.81	22.11	22.51	PASS
LTE Band41	5	39675	1	#Max	QPSK	23.65	21.95	22.35	PASS
LTE Band41	5	39675	12	#0	QPSK	22.75	21.05	21.45	PASS
LTE Band41	5	39675	12	#Mid	QPSK	22.75	21.05	21.45	PASS
LTE Band41	5	39675	12	#Max	QPSK	22.62	20.92	21.32	PASS
LTE Band41	5	39675	25	#0	QPSK	22.72	21.02	21.42	PASS
LTE Band41	5	39675	1	#0	QAM16	22.77	21.07	21.47	PASS
LTE Band41	5	39675	1	#Mid	QAM16	22.92	21.22	21.62	PASS
LTE Band41	5	39675	1	#Max	QAM16	22.75	21.05	21.45	PASS
LTE Band41	5	39675	12	#0	QAM16	21.60	19.90	20.30	PASS
LTE Band41	5	39675	12	#Mid	QAM16	21.56	19.86	20.26	PASS
LTE Band41	5	39675	12	#Max	QAM16	21.53	19.83	20.23	PASS
LTE Band41	5	39675	25	#0	QAM16	21.61	19.91	20.31	PASS
LTE Band41	5	39675	1	#0	QAM64	22.74	21.04	21.44	PASS
LTE Band41	5	39675	1	#Mid	QAM64	22.89	21.19	21.59	PASS
LTE Band41	5	39675	1	#Max	QAM64	22.75	21.05	21.45	PASS
LTE Band41	5	39675	12	#0	QAM64	21.58	19.88	20.28	PASS
LTE Band41	5	39675	12	#Mid	QAM64	21.60	19.90	20.30	PASS
LTE Band41	5	39675	12	#Max	QAM64	21.53	19.83	20.23	PASS
LTE Band41	5	39675	25	#0	QAM64	21.57	19.87	20.27	PASS
LTE Band41	5	40620	1	#0	QPSK	23.62	21.12	23.52	PASS
LTE Band41	5	40620	1	#Mid	QPSK	23.80	21.30	23.70	PASS
LTE Band41	5	40620	1	#Max	QPSK	23.61	21.11	23.51	PASS
LTE Band41	5	40620	12	#0	QPSK	22.75	20.25	22.65	PASS
LTE Band41	5	40620	12	#Mid	QPSK	22.76	20.26	22.66	PASS
LTE Band41	5	40620	12	#Max	QPSK	22.75	20.25	22.65	PASS
LTE Band41	5	40620	25	#0	QPSK	22.75	20.25	22.65	PASS
LTE Band41	5	40620	1	#0	QAM16	22.90	20.40	22.80	PASS
LTE Band41	5	40620	1	#Mid	QAM16	23.07	20.57	22.97	PASS
LTE Band41	5	40620	1	#Max	QAM16	22.86	20.36	22.76	PASS
LTE Band41	5	40620	12	#0	QAM16	21.72	19.22	21.62	PASS
LTE Band41	5	40620	12	#Mid	QAM16	21.71	19.21	21.61	PASS
LTE Band41	5	40620	12	#Max	QAM16	21.72	19.22	21.62	PASS
LTE Band41	5	40620	25	#0	QAM16	21.70	19.20	21.60	PASS
LTE Band41	5	40620	1	#0	QAM64	22.88	20.38	22.78	PASS
LTE Band41	5	40620	1	#Mid	QAM64	23.09	20.59	22.99	PASS
LTE Band41	5	40620	1	#Max	QAM64	22.86	20.36	22.76	PASS



LTE Band41	5	40620	12	#0	QAM64	21.66	19.16	21.56	PASS
LTE Band41	5	40620	12	#Mid	QAM64	21.71	19.21	21.61	PASS
LTE Band41	5	40620	12	#Max	QAM64	21.73	19.23	21.63	PASS
LTE Band41	5	40620	25	#0	QAM64	21.69	19.19	21.59	PASS
LTE Band41	5	41565	1	#0	QPSK	23.60	21.60	21.40	PASS
LTE Band41	5	41565	1	#Mid	QPSK	23.81	21.81	21.61	PASS
LTE Band41	5	41565	1	#Max	QPSK	23.60	21.60	21.40	PASS
LTE Band41	5	41565	12	#0	QPSK	22.75	20.75	20.55	PASS
LTE Band41	5	41565	12	#Mid	QPSK	22.75	20.75	20.55	PASS
LTE Band41	5	41565	12	#Max	QPSK	22.70	20.70	20.50	PASS
LTE Band41	5	41565	25	#0	QPSK	22.72	20.72	20.52	PASS
LTE Band41	5	41565	1	#0	QAM16	22.93	20.93	20.73	PASS
LTE Band41	5	41565	1	#Mid	QAM16	23.11	21.11	20.91	PASS
LTE Band41	5	41565	1	#Max	QAM16	22.94	20.94	20.74	PASS
LTE Band41	5	41565	12	#0	QAM16	21.70	19.70	19.50	PASS
LTE Band41	5	41565	12	#Mid	QAM16	21.67	19.67	19.47	PASS
LTE Band41	5	41565	12	#Max	QAM16	21.64	19.64	19.44	PASS
LTE Band41	5	41565	25	#0	QAM16	21.74	19.74	19.54	PASS
LTE Band41	5	41565	1	#0	QAM64	22.96	20.96	20.76	PASS
LTE Band41	5	41565	1	#Mid	QAM64	23.11	21.11	20.91	PASS
LTE Band41	5	41565	1	#Max	QAM64	22.92	20.92	20.72	PASS
LTE Band41	5	41565	12	#0	QAM64	21.66	19.66	19.46	PASS
LTE Band41	5	41565	12	#Mid	QAM64	21.68	19.68	19.48	PASS
LTE Band41	5	41565	12	#Max	QAM64	21.55	19.55	19.35	PASS
LTE Band41	5	41565	25	#0	QAM64	21.72	19.72	19.52	PASS
LTE Band41	10	39700	1	#0	QPSK	23.65	21.95	22.35	PASS
LTE Band41	10	39700	1	#Mid	QPSK	23.84	22.14	22.54	PASS
LTE Band41	10	39700	1	#Max	QPSK	23.59	21.89	22.29	PASS
LTE Band41	10	39700	25	#0	QPSK	22.65	20.95	21.35	PASS
LTE Band41	10	39700	25	#Mid	QPSK	22.66	20.96	21.36	PASS
LTE Band41	10	39700	25	#Max	QPSK	22.63	20.93	21.33	PASS
LTE Band41	10	39700	50	#0	QPSK	22.59	20.89	21.29	PASS
LTE Band41	10	39700	1	#0	QAM16	22.52	20.82	21.22	PASS
LTE Band41	10	39700	1	#Mid	QAM16	22.73	21.03	21.43	PASS
LTE Band41	10	39700	1	#Max	QAM16	22.47	20.77	21.17	PASS
LTE Band41	10	39700	25	#0	QAM16	21.66	19.96	20.36	PASS
LTE Band41	10	39700	25	#Mid	QAM16	21.62	19.92	20.32	PASS
LTE Band41	10	39700	25	#Max	QAM16	21.58	19.88	20.28	PASS
LTE Band41	10	39700	50	#0	QAM16	21.53	19.83	20.23	PASS
LTE Band41	10	39700	1	#0	QAM64	22.48	20.78	21.18	PASS
LTE Band41	10	39700	1	#Mid	QAM64	22.72	21.02	21.42	PASS
LTE Band41	10	39700	1	#Max	QAM64	22.46	20.76	21.16	PASS
LTE Band41	10	39700	25	#0	QAM64	21.63	19.93	20.33	PASS





LTE Band41	10	39700	25	#Mid	QAM64	21.62	19.92	20.32	PASS
LTE Band41	10	39700	25	#Max	QAM64	21.54	19.84	20.24	PASS
LTE Band41	10	39700	50	#0	QAM64	21.54	19.84	20.24	PASS
LTE Band41	10	40620	1	#0	QPSK	23.70	21.20	23.60	PASS
LTE Band41	10	40620	1	#Mid	QPSK	23.88	21.38	23.78	PASS
LTE Band41	10	40620	1	#Max	QPSK	23.67	21.17	23.57	PASS
LTE Band41	10	40620	25	#0	QPSK	22.76	20.26	22.66	PASS
LTE Band41	10	40620	25	#Mid	QPSK	22.77	20.27	22.67	PASS
LTE Band41	10	40620	25	#Max	QPSK	22.72	20.22	22.62	PASS
LTE Band41	10	40620	50	#0	QPSK	22.69	20.19	22.59	PASS
LTE Band41	10	40620	1	#0	QAM16	22.98	20.48	22.88	PASS
LTE Band41	10	40620	1	#Mid	QAM16	23.17	20.67	23.07	PASS
LTE Band41	10	40620	1	#Max	QAM16	22.91	20.41	22.81	PASS
LTE Band41	10	40620	25	#0	QAM16	21.75	19.25	21.65	PASS
LTE Band41	10	40620	25	#Mid	QAM16	21.74	19.24	21.64	PASS
LTE Band41	10	40620	25	#Max	QAM16	21.77	19.27	21.67	PASS
LTE Band41	10	40620	50	#0	QAM16	21.63	19.13	21.53	PASS
LTE Band41	10	40620	1	#0	QAM64	22.95	20.45	22.85	PASS
LTE Band41	10	40620	1	#Mid	QAM64	23.16	20.66	23.06	PASS
LTE Band41	10	40620	1	#Max	QAM64	22.92	20.42	22.82	PASS
LTE Band41	10	40620	25	#0	QAM64	21.74	19.24	21.64	PASS
LTE Band41	10	40620	25	#Mid	QAM64	21.74	19.24	21.64	PASS
LTE Band41	10	40620	25	#Max	QAM64	21.76	19.26	21.66	PASS
LTE Band41	10	40620	50	#0	QAM64	21.64	19.14	21.54	PASS
LTE Band41	10	41540	1	#0	QPSK	23.68	21.68	21.48	PASS
LTE Band41	10	41540	1	#Mid	QPSK	23.87	21.87	21.67	PASS
LTE Band41	10	41540	1	#Max	QPSK	23.65	21.65	21.45	PASS
LTE Band41	10	41540	25	#0	QPSK	22.78	20.78	20.58	PASS
LTE Band41	10	41540	25	#Mid	QPSK	22.74	20.74	20.54	PASS
LTE Band41	10	41540	25	#Max	QPSK	22.70	20.70	20.50	PASS
LTE Band41	10	41540	50	#0	QPSK	22.68	20.68	20.48	PASS
LTE Band41	10	41540	1	#0	QAM16	22.71	20.71	20.51	PASS
LTE Band41	10	41540	1	#Mid	QAM16	22.88	20.88	20.68	PASS
LTE Band41	10	41540	1	#Max	QAM16	22.67	20.67	20.47	PASS
LTE Band41	10	41540	25	#0	QAM16	21.71	19.71	19.51	PASS
LTE Band41	10	41540	25	#Mid	QAM16	21.73	19.73	19.53	PASS
LTE Band41	10	41540	25	#Max	QAM16	21.70	19.70	19.50	PASS
LTE Band41	10	41540	50	#0	QAM16	21.61	19.61	19.41	PASS
LTE Band41	10	41540	1	#0	QAM64	22.72	20.72	20.52	PASS
LTE Band41	10	41540	1	#Mid	QAM64	22.90	20.90	20.70	PASS
LTE Band41	10	41540	1	#Max	QAM64	22.69	20.69	20.49	PASS
LTE Band41	10	41540	25	#0	QAM64	21.77	19.77	19.57	PASS
LTE Band41	10	41540	25	#Mid	QAM64	21.70	19.70	19.50	PASS



LTE Band41	10	41540	25	#Max	QAM64	21.68	19.68	19.48	PASS
LTE Band41	10	41540	50	#0	QAM64	21.60	19.60	19.40	PASS
LTE Band41	15	39725	1	#0	QPSK	23.58	21.88	22.28	PASS
LTE Band41	15	39725	1	#Mid	QPSK	23.60	21.90	22.30	PASS
LTE Band41	15	39725	1	#Max	QPSK	23.49	21.79	22.19	PASS
LTE Band41	15	39725	36	#0	QPSK	22.63	20.93	21.33	PASS
LTE Band41	15	39725	36	#Mid	QPSK	22.63	20.93	21.33	PASS
LTE Band41	15	39725	36	#Max	QPSK	22.57	20.87	21.27	PASS
LTE Band41	15	39725	75	#0	QPSK	22.66	20.96	21.36	PASS
LTE Band41	15	39725	1	#0	QAM16	22.59	20.89	21.29	PASS
LTE Band41	15	39725	1	#Mid	QAM16	22.60	20.90	21.30	PASS
LTE Band41	15	39725	1	#Max	QAM16	22.50	20.80	21.20	PASS
LTE Band41	15	39725	36	#0	QAM16	21.54	19.84	20.24	PASS
LTE Band41	15	39725	36	#Mid	QAM16	21.56	19.86	20.26	PASS
LTE Band41	15	39725	36	#Max	QAM16	21.48	19.78	20.18	PASS
LTE Band41	15	39725	75	#0	QAM16	21.53	19.83	20.23	PASS
LTE Band41	15	39725	1	#0	QAM64	22.58	20.88	21.28	PASS
LTE Band41	15	39725	1	#Mid	QAM64	22.56	20.86	21.26	PASS
LTE Band41	15	39725	1	#Max	QAM64	22.48	20.78	21.18	PASS
LTE Band41	15	39725	36	#0	QAM64	21.55	19.85	20.25	PASS
LTE Band41	15	39725	36	#Mid	QAM64	21.54	19.84	20.24	PASS
LTE Band41	15	39725	36	#Max	QAM64	21.46	19.76	20.16	PASS
LTE Band41	15	39725	75	#0	QAM64	21.55	19.85	20.25	PASS
LTE Band41	15	40620	1	#0	QPSK	23.71	21.21	23.61	PASS
LTE Band41	15	40620	1	#Mid	QPSK	23.76	21.26	23.66	PASS
LTE Band41	15	40620	1	#Max	QPSK	23.66	21.16	23.56	PASS
LTE Band41	15	40620	36	#0	QPSK	22.71	20.21	22.61	PASS
LTE Band41	15	40620	36	#Mid	QPSK	22.70	20.20	22.60	PASS
LTE Band41	15	40620	36	#Max	QPSK	22.73	20.23	22.63	PASS
LTE Band41	15	40620	75	#0	QPSK	22.72	20.22	22.62	PASS
LTE Band41	15	40620	1	#0	QAM16	22.67	20.17	22.57	PASS
LTE Band41	15	40620	1	#Mid	QAM16	22.73	20.23	22.63	PASS
LTE Band41	15	40620	1	#Max	QAM16	22.60	20.10	22.50	PASS
LTE Band41	15	40620	36	#0	QAM16	21.62	19.12	21.52	PASS
LTE Band41	15	40620	36	#Mid	QAM16	21.62	19.12	21.52	PASS
LTE Band41	15	40620	36	#Max	QAM16	21.64	19.14	21.54	PASS
LTE Band41	15	40620	75	#0	QAM16	21.65	19.15	21.55	PASS
LTE Band41	15	40620	1	#0	QAM64	22.67	20.17	22.57	PASS
LTE Band41	15	40620	1	#Mid	QAM64	22.71	20.21	22.61	PASS
LTE Band41	15	40620	1	#Max	QAM64	22.60	20.10	22.50	PASS
LTE Band41	15	40620	36	#0	QAM64	21.59	19.09	21.49	PASS
LTE Band41	15	40620	36	#Mid	QAM64	21.61	19.11	21.51	PASS
LTE Band41	15	40620	36	#Max	QAM64	21.63	19.13	21.53	PASS



LTE Band41	15	40620	75	#0	QAM64	21.66	19.16	21.56	PASS
LTE Band41	15	41515	1	#0	QPSK	23.53	21.53	22.03	PASS
LTE Band41	15	41515	1	#Mid	QPSK	23.61	21.61	22.11	PASS
LTE Band41	15	41515	1	#Max	QPSK	23.50	21.50	22.00	PASS
LTE Band41	15	41515	36	#0	QPSK	22.73	20.73	21.23	PASS
LTE Band41	15	41515	36	#Mid	QPSK	22.73	20.73	21.23	PASS
LTE Band41	15	41515	36	#Max	QPSK	22.64	20.64	21.14	PASS
LTE Band41	15	41515	75	#0	QPSK	22.71	20.71	21.21	PASS
LTE Band41	15	41515	1	#0	QAM16	22.87	20.87	21.37	PASS
LTE Band41	15	41515	1	#Mid	QAM16	22.93	20.93	21.43	PASS
LTE Band41	15	41515	1	#Max	QAM16	22.81	20.81	21.31	PASS
LTE Band41	15	41515	36	#0	QAM16	21.67	19.67	20.17	PASS
LTE Band41	15	41515	36	#Mid	QAM16	21.70	19.70	20.20	PASS
LTE Band41	15	41515	36	#Max	QAM16	21.60	19.60	20.10	PASS
LTE Band41	15	41515	75	#0	QAM16	21.68	19.68	20.18	PASS
LTE Band41	15	41515	1	#0	QAM64	22.85	20.85	21.35	PASS
LTE Band41	15	41515	1	#Mid	QAM64	22.92	20.92	21.42	PASS
LTE Band41	15	41515	1	#Max	QAM64	22.82	20.82	21.32	PASS
LTE Band41	15	41515	36	#0	QAM64	21.67	19.67	20.17	PASS
LTE Band41	15	41515	36	#Mid	QAM64	21.69	19.69	20.19	PASS
LTE Band41	15	41515	36	#Max	QAM64	21.63	19.63	20.13	PASS
LTE Band41	15	41515	75	#0	QAM64	21.70	19.70	20.20	PASS
LTE Band41	20	39750	1	#0	QPSK	23.51	21.71	22.61	PASS
LTE Band41	20	39750	1	#Mid	QPSK	23.72	21.92	22.82	PASS
LTE Band41	20	39750	1	#Max	QPSK	23.43	21.63	22.53	PASS
LTE Band41	20	39750	50	#0	QPSK	22.51	20.71	21.61	PASS
LTE Band41	20	39750	50	#Mid	QPSK	22.50	20.70	21.60	PASS
LTE Band41	20	39750	50	#Max	QPSK	22.48	20.68	21.58	PASS
LTE Band41	20	39750	100	#0	QPSK	22.52	20.72	21.62	PASS
LTE Band41	20	39750	1	#0	QAM16	22.41	20.61	21.51	PASS
LTE Band41	20	39750	1	#Mid	QAM16	22.59	20.79	21.69	PASS
LTE Band41	20	39750	1	#Max	QAM16	22.30	20.50	21.40	PASS
LTE Band41	20	39750	50	#0	QAM16	21.45	19.65	20.55	PASS
LTE Band41	20	39750	50	#Mid	QAM16	21.45	19.65	20.55	PASS
LTE Band41	20	39750	50	#Max	QAM16	21.41	19.61	20.51	PASS
LTE Band41	20	39750	100	#0	QAM16	21.49	19.69	20.59	PASS
LTE Band41	20	39750	1	#0	QAM64	22.38	20.58	21.48	PASS
LTE Band41	20	39750	1	#Mid	QAM64	22.57	20.77	21.67	PASS
LTE Band41	20	39750	1	#Max	QAM64	22.28	20.48	21.38	PASS
LTE Band41	20	39750	50	#0	QAM64	21.41	19.61	20.51	PASS
LTE Band41	20	39750	50	#Mid	QAM64	21.40	19.60	20.50	PASS
LTE Band41	20	39750	50	#Max	QAM64	21.41	19.61	20.51	PASS
LTE Band41	20	39750	100	#0	QAM64	21.47	19.67	20.57	PASS





LTE Band41	20	40620	1	#0	QPSK	23.59	21.09	23.49	PASS
LTE Band41	20	40620	1	#Mid	QPSK	23.78	21.28	23.68	PASS
LTE Band41	20	40620	1	#Max	QPSK	23.53	21.03	23.43	PASS
LTE Band41	20	40620	50	#0	QPSK	22.55	20.05	22.45	PASS
LTE Band41	20	40620	50	#Mid	QPSK	22.56	20.06	22.46	PASS
LTE Band41	20	40620	50	#Max	QPSK	22.61	20.11	22.51	PASS
LTE Band41	20	40620	100	#0	QPSK	22.58	20.08	22.48	PASS
LTE Band41	20	40620	1	#0	QAM16	22.25	19.75	22.15	PASS
LTE Band41	20	40620	1	#Mid	QAM16	22.48	19.98	22.38	PASS
LTE Band41	20	40620	1	#Max	QAM16	22.15	19.65	22.05	PASS
LTE Band41	20	40620	50	#0	QAM16	21.53	19.03	21.43	PASS
LTE Band41	20	40620	50	#Mid	QAM16	21.56	19.06	21.46	PASS
LTE Band41	20	40620	50	#Max	QAM16	21.59	19.09	21.49	PASS
LTE Band41	20	40620	100	#0	QAM16	21.55	19.05	21.45	PASS
LTE Band41	20	40620	1	#0	QAM64	22.24	19.74	22.14	PASS
LTE Band41	20	40620	1	#Mid	QAM64	22.47	19.97	22.37	PASS
LTE Band41	20	40620	1	#Max	QAM64	22.14	19.64	22.04	PASS
LTE Band41	20	40620	50	#0	QAM64	21.53	19.03	21.43	PASS
LTE Band41	20	40620	50	#Mid	QAM64	21.54	19.04	21.44	PASS
LTE Band41	20	40620	50	#Max	QAM64	21.59	19.09	21.49	PASS
LTE Band41	20	40620	100	#0	QAM64	21.55	19.05	21.45	PASS
LTE Band41	20	41490	1	#0	QPSK	23.50	21.50	22.00	PASS
LTE Band41	20	41490	1	#Mid	QPSK	23.67	21.67	22.17	PASS
LTE Band41	20	41490	1	#Max	QPSK	23.43	21.43	21.93	PASS
LTE Band41	20	41490	50	#0	QPSK	22.61	20.61	21.11	PASS
LTE Band41	20	41490	50	#Mid	QPSK	22.59	20.59	21.09	PASS
LTE Band41	20	41490	50	#Max	QPSK	22.53	20.53	21.03	PASS
LTE Band41	20	41490	100	#0	QPSK	22.57	20.57	21.07	PASS
LTE Band41	20	41490	1	#0	QAM16	22.64	20.64	21.14	PASS
LTE Band41	20	41490	1	#Mid	QAM16	22.90	20.90	21.40	PASS
LTE Band41	20	41490	1	#Max	QAM16	22.60	20.60	21.10	PASS
LTE Band41	20	41490	50	#0	QAM16	21.60	19.60	20.10	PASS
LTE Band41	20	41490	50	#Mid	QAM16	21.60	19.60	20.10	PASS
LTE Band41	20	41490	50	#Max	QAM16	21.48	19.48	19.98	PASS
LTE Band41	20	41490	100	#0	QAM16	21.54	19.54	20.04	PASS
LTE Band41	20	41490	1	#0	QAM64	22.65	20.65	21.15	PASS
LTE Band41	20	41490	1	#Mid	QAM64	22.90	20.90	21.40	PASS
LTE Band41	20	41490	1	#Max	QAM64	22.60	20.60	21.10	PASS
LTE Band41	20	41490	50	#0	QAM64	21.57	19.57	20.07	PASS
LTE Band41	20	41490	50	#Mid	QAM64	21.58	19.58	20.08	PASS
LTE Band41	20	41490	50	#Max	QAM64	21.49	19.49	19.99	PASS
LTE Band41	20	41490	100	#0	QAM64	21.55	19.55	20.05	PASS



CA_38C	PCC	SCC	PCC RB		SCC1 RB		Maximum output power (dBm)			EIRP (dBm) Main Antenna			EIRP (dBm) Second Antenna		
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15MHz+ 15MHz	2577.5	2592.5	1	74	1	0	23.26	22.57	22.31	21.06	20.37	20.11	23.26	22.57	22.31
			75	0	75	0	21.34	20.35	20.36	19.14	18.15	18.16	21.34	20.35	20.36
	2587.5	2602.5	1	74	1	0	23.27	22.41	22.37	20.77	19.91	19.87	23.17	22.31	22.27
			75	0	75	0	21.33	20.41	20.40	18.83	17.91	17.90	21.23	20.31	20.3
	2597.5	2612.5	1	74	1	0	23.27	22.38	22.37	20.47	19.58	19.57	22.77	21.88	21.87
			75	0	75	0	21.34	20.30	20.33	18.54	17.50	17.53	20.84	19.8	19.83
20MHz+ 20MHz	2580	2599.8	1	99	1	0	23.21	22.11	22.29	20.71	19.61	19.79	23.11	22.01	22.19
			1	0	1	99	14.88	14.77	14.86	12.38	12.27	12.36	14.78	14.67	14.76
			100	0	100	0	21.31	20.47	20.31	18.81	17.97	17.81	21.21	20.37	20.21
	2585.1	2604.9	1	99	1	0	23.22	22.09	22.24	20.72	19.59	19.74	22.72	21.59	21.74
			1	0	1	99	14.79	14.66	14.83	12.29	12.16	12.33	14.29	14.16	14.33
			100	0	100	0	21.22	20.41	20.32	18.72	17.91	17.82	20.72	19.91	19.82
	2590.2	2610	1	99	1	0	23.22	22.07	22.31	20.42	19.27	19.51	22.72	21.57	21.81
			1	0	1	99	14.87	14.74	14.84	12.07	11.94	12.04	14.37	14.24	14.34
			100	0	100	0	21.21	20.33	20.29	18.41	17.53	17.49	20.71	19.83	19.79

CA_41C	PCC	SCC	PCC RB		SCC1 RB		Maximum output power (dBm)			EIRP (dBm) Main Antenna			EIRP (dBm) Second Antenna			
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
5MHz+ 20MHz	2578.3	2590	1	24	1	0	23.37	22.71	22.37	21.17	20.51	20.17	23.37	22.71	22.37	
			25	0	100	0	20.38	20.41	20.44	18.18	18.21	18.24	20.38	20.41	20.44	
	2595.8	2607.5	1	24	1	0	23.36	22.70	22.52	20.56	19.90	19.72	22.86	22.20	22.02	
			25	0	100	0	21.40	20.42	20.46	18.60	17.62	17.66	20.90	19.92	19.96	
	2613.3	2625	1	24	1	0	23.27	22.65	22.36	19.87	19.25	18.96	21.97	21.35	21.06	
			25	0	100	0	21.38	20.40	20.41	17.98	17.00	17.01	20.08	19.10	19.11	
20MHz+ 5MHz	2585	2596.7	1	99	1	0	23.36	22.28	23.27	20.86	19.78	20.77	23.26	22.18	23.17	
			1	0	1	24	23.48	23.45	23.45	20.98	20.95	20.95	23.38	23.35	23.35	
			100	0	25	0	21.39	20.52	21.29	18.89	18.02	18.79	21.29	20.42	21.19	
	2602.5	2614.2	1	99	1	0	23.26	22.02	22.20	20.16	18.92	19.10	22.56	21.32	21.50	
			1	0	1	24	23.42	23.42	23.43	20.32	20.32	20.33	22.72	22.72	22.73	
			100	0	25	0	21.27	20.34	20.27	18.17	17.24	17.17	20.57	19.64	19.57	
	2620	2631.7	1	99	1	0	23.55	21.92	21.91	20.15	18.52	18.51	22.45	20.82	20.81	
			1	0	1	24	23.37	22.42	22.05	19.97	19.02	18.65	22.27	21.32	20.95	
			100	0	25	0	21.34	20.39	20.33	17.94	16.99	16.93	20.24	19.29	19.23	
	10MHz+ 20MHz	2580.5	2594.9	1	49	1	0	23.54	22.64	22.45	21.04	20.14	19.95	23.44	22.54	22.35
				50	0	100	0	21.44	20.38	20.49	18.94	17.88	17.99	21.34	20.28	20.39



	2595.6	2610	1	49	1	0	23.53	22.49	22.36	20.73	19.69	19.56	23.03	21.99	21.86
			50	0	100	0	21.47	20.42	20.33	18.67	17.62	17.53	20.97	19.92	19.83
	2610.6	2625	1	49	1	0	23.45	22.58	22.42	20.05	19.18	19.02	22.15	21.28	21.12
			50	0	100	0	21.36	20.39	20.32	17.96	16.99	16.92	20.06	19.09	19.02
20MHz+ 10MHz	2585	2599.4	1	99	1	0	23.37	22.35	22.33	20.87	19.85	19.83	23.27	22.25	22.23
			100	0	50	0	21.46	20.43	20.53	18.96	17.93	18.03	21.36	20.33	20.43
	2600.1	2614.5	1	99	1	0	23.19	22.23	22.26	20.09	19.13	19.16	22.49	21.53	21.56
			100	0	50	0	21.35	20.39	20.36	18.25	17.29	17.26	20.65	19.69	19.66
	2615.1	2629.5	1	99	1	0	23.28	22.31	22.25	19.88	18.91	18.85	21.98	21.01	20.95
			100	0	50	0	21.41	20.34	20.30	18.01	16.94	16.90	20.11	19.04	19.00
15MHz+ 15MHz	2582.5	2597.5	1	74	1	0	23.52	22.77	22.47	21.02	20.27	19.97	23.42	22.67	22.37
			75	0	75	0	21.43	20.37	20.46	18.93	17.87	17.96	21.33	20.27	20.36
	2597.5	2612.5	1	74	1	0	23.44	22.64	22.39	20.64	19.84	19.59	22.94	22.14	21.89
			75	0	75	0	21.37	20.38	20.36	18.57	17.58	17.56	20.87	19.88	19.86
	2612.5	2627.5	1	74	1	0	23.49	22.73	22.48	20.09	19.33	19.08	22.19	21.43	21.18
			75	0	75	0	21.35	20.41	20.34	17.95	17.01	16.94	20.05	19.11	19.04
15MHz+ 20MHz	2582.8	2599.9	1	74	1	0	23.49	22.67	22.47	20.99	20.17	19.97	23.39	22.57	22.37
			75	0	100	0	21.45	20.38	20.43	18.95	17.88	17.93	21.35	20.28	20.33
	2595.3	2612.4	1	74	1	0	23.53	22.81	22.42	20.73	20.01	19.62	23.03	22.31	21.92
			75	0	100	0	21.48	20.40	20.43	18.68	17.60	17.63	20.98	19.90	19.93
	2607.9	2625	1	74	1	0	23.52	22.70	22.49	20.42	19.60	19.39	22.82	22.00	21.79
			75	0	100	0	21.41	20.43	20.42	18.31	17.33	17.32	20.71	19.73	19.72
20MHz+ 15MHz	2585	2602.1	1	99	1	0	23.52	22.43	22.39	21.02	19.93	19.89	23.42	22.33	22.29
			100	0	75	0	21.38	20.31	20.38	18.88	17.81	17.88	21.28	20.21	20.28
	2597.6	2614.7	1	99	1	0	23.45	22.37	22.42	20.65	19.57	19.62	22.75	21.67	21.72
			100	0	75	0	21.41	20.42	20.35	18.61	17.62	17.55	20.71	19.72	19.65
	2610.1	2627.2	1	99	1	0	23.48	22.32	22.51	20.08	18.92	19.11	22.18	21.02	21.21
			100	0	75	0	21.37	20.35	20.32	17.97	16.95	16.92	20.07	19.05	19.02
20MHz+ 20MHz	2585	2604.8	1	99	1	0	23.40	22.23	22.45	20.90	19.73	19.95	23.30	22.13	22.35
			1	0	1	99	14.92	15.02	14.94	12.42	12.52	12.44	14.82	14.92	14.84
			100	0	100	0	21.43	20.41	20.44	18.93	17.91	17.94	21.33	20.31	20.34
	2595.1	2614.9	1	99	1	0	23.44	22.45	22.38	20.64	19.65	19.58	22.94	21.95	21.88
			1	0	1	99	14.94	14.56	15.01	12.14	11.76	12.21	14.44	14.06	14.51
			100	0	100	0	21.47	20.48	20.35	18.67	17.68	17.55	20.97	19.98	19.85
	2605.2	2625	1	99	1	0	23.49	22.25	22.55	20.39	19.15	19.45	22.79	21.55	21.85
			1	0	1	99	15.05	14.78	14.92	11.95	11.68	11.82	14.35	14.08	14.22
			100	0	100	0	21.39	20.42	20.38	18.29	17.32	17.28	20.69	19.72	19.68

## 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 91 kHz for LTE Band 4 (1.4MHz).

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

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

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

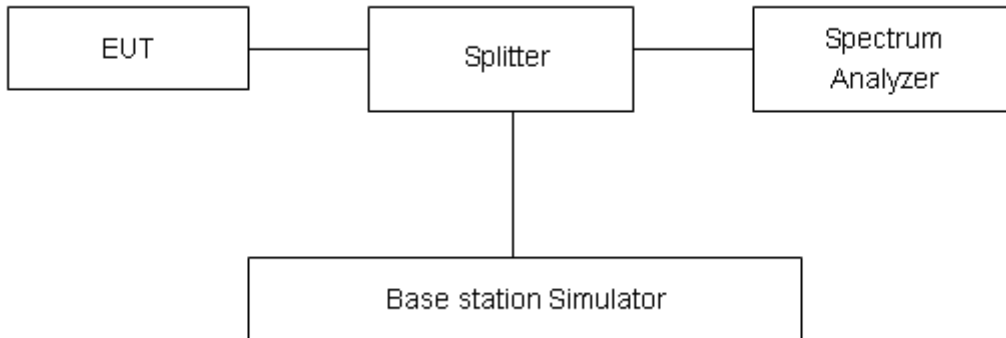
RBW is set to 300 kHz, VBW is set to 910 kHz for LTE Band 4/7/38/41 (15MHz).

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

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

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	4.1583	4.6640
	1413	1732.6	4.1636	4.6690
	1513	1752.6	4.1603	4.6690

LTE Band 4						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	19957	1710.7	1.0962	1.2800
			20175	1732.5	1.0954	1.2920
			20393	1754.3	1.0898	1.2960
		3	19965	1711.5	2.6887	2.8880
			20175	1732.5	2.6865	2.9000
			20385	1753.5	2.6924	2.9110
		5	19975	1712.5	4.4974	4.8790
			20175	1732.5	4.5068	4.8700
			20375	1752.5	4.5091	4.9240
		10	20000	1715	8.9694	9.6860
			20175	1732.5	8.9955	9.7740
			20350	1750	8.9740	9.7720
	15	20025	1717.5	13.4460	14.4500	
		20175	1732.5	13.4520	14.4900	
		20325	1747.5	13.4570	14.9800	
	20	20050	1720	17.9840	19.2400	
		20175	1732.5	17.9390	19.2100	
		20300	1745	17.9720	19.4100	
	16QAM	1.4	19957	1710.7	1.0935	1.2830
			20175	1732.5	1.0987	1.3010
			20393	1754.3	1.0903	1.2700
		3	19965	1711.5	2.6809	2.9440
			20175	1732.5	2.6941	2.9100
			20385	1753.5	2.6872	2.9320
5		19975	1712.5	4.5191	4.9550	
		20175	1732.5	4.5108	4.9660	
		20375	1752.5	4.5017	4.8720	
10		20000	1715	9.0019	9.5900	
		20175	1732.5	9.0080	9.6630	
		20350	1750	8.9887	9.6430	



		15	20025	1717.5	13.4290	14.3500
			20175	1732.5	13.4310	14.4800
			20325	1747.5	13.4690	14.4400
		20	20050	1720	17.9680	19.1900
			20175	1732.5	17.9360	19.1800
			20300	1745	17.9430	20.4100
	64QAM	1.4	19957	1710.7	1.0923	1.2880
			20175	1732.5	1.0969	1.3070
			20393	1754.3	1.0911	1.2790
		3	19965	1711.5	2.6938	2.9350
			20175	1732.5	2.6828	2.9270
			20385	1753.5	2.6900	2.9220
		5	19975	1712.5	4.5102	4.8860
			20175	1732.5	4.5165	4.8880
			20375	1752.5	4.5015	4.8450
		10	20000	1715	8.9960	9.6850
			20175	1732.5	8.9991	9.7140
			20350	1750	8.9783	9.6750
		15	20025	1717.5	13.4390	14.5000
			20175	1732.5	13.4940	14.5700
			20325	1747.5	13.4920	14.4800
		20	20050	1720	17.9540	19.1100
			20175	1732.5	17.9620	19.3400
			20300	1745	17.9390	19.3200

LTE Band 7						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	20775	2502.5	4.4985	4.8950
			21100	2535	4.5104	4.8570
			21425	2567.5	4.5043	4.8920
		10	20800	2505	8.9950	9.7100
			21100	2535	8.9783	9.8220
			21400	2565	8.9992	9.6720
		15	20825	2507.5	13.4410	14.5800
			21100	2535	13.4650	14.5200
			21375	2562.5	13.4810	14.5300
		20	20850	2510	17.9220	19.2000
			21100	2535	18.0130	19.3400
			21350	2560	17.9490	19.2600



	16QAM	5	20775	2502.5	4.5204	4.9680
			21100	2535	4.4975	4.8950
			21425	2567.5	4.4970	4.9180
		10	20800	2505	8.9736	9.6260
			21100	2535	8.9647	9.7220
			21400	2565	8.9817	9.7750
		15	20825	2507.5	13.4700	14.5900
			21100	2535	13.4470	14.4700
			21375	2562.5	13.4870	14.4700
		20	20850	2510	17.9570	19.3100
			21100	2535	17.9920	19.2900
			21350	2560	17.9610	19.3200
	64QAM	5	20775	2502.5	4.4996	4.8790
			21100	2535	4.4952	4.8820
			21425	2567.5	4.5099	4.9230
		10	20800	2505	8.9728	9.6590
			21100	2535	8.9801	9.6300
			21400	2565	8.9999	9.5770
		15	20825	2507.5	13.4470	14.3300
			21100	2535	13.4570	14.4900
			21375	2562.5	13.4800	14.4800
		20	20850	2510	17.8740	19.1700
			21100	2535	17.9460	19.4400
			21350	2560	17.9910	19.2300





LTE Band 38						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	37775	2572.5	4.5046	5.1450
			38000	2595	4.5026	4.9430
			38225	2617.5	4.5050	4.8510
		10	37800	2575	8.9878	9.5940
			38000	2595	8.9605	9.8090
			38200	2615	8.9911	9.5840
		15	37825	2577.5	13.4260	14.9700
			38000	2595	13.5070	14.9600
			38175	2612.5	13.4400	14.7900
		20	37850	2580	17.9460	20.1000
			38000	2595	18.0010	19.3300
			38150	2610	17.9360	19.0600
	16QAM	5	37775	2572.5	4.5062	4.9440
			38000	2595	4.5027	4.8560
			38225	2617.5	4.4920	4.8750
		10	37800	2575	8.9653	10.0600
			38000	2595	8.9893	9.5580
			38200	2615	8.9887	10.6500
		15	37825	2577.5	13.4630	15.2800
			38000	2595	13.4470	14.6000
			38175	2612.5	13.4170	15.3900
		20	37850	2580	17.9490	19.2600
			38000	2595	17.9360	19.2500
			38150	2610	17.9360	20.4000
	64QAM	5	37775	2572.5	4.5095	4.9360
			38000	2595	4.5024	4.8220
			38225	2617.5	4.4938	4.8470
		10	37800	2575	8.9972	9.5800
			38000	2595	8.9897	9.5640
			38200	2615	8.9770	9.6060
15		37825	2577.5	13.4180	14.4100	
		38000	2595	13.4450	14.4400	
		38175	2612.5	13.4810	14.4400	
20		37850	2580	17.9530	19.1000	
		38000	2595	17.9380	19.4500	
		38150	2610	17.9440	20.3100	



LTE Band 41						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	39675	2498.5	4.5013	4.8750
			40620	2593	4.4977	4.8210
			41565	2687.5	4.5050	4.8930
		10	39700	2501	8.9909	9.6060
			40620	2593	8.9958	9.7010
			41540	2685	8.9809	9.6990
		15	39725	2503.5	13.4380	14.8900
			40620	2593	13.4920	14.4800
			41515	2682.5	13.4290	14.2700
		20	39750	2506	17.9790	19.4300
			40620	2593	17.9320	19.8000
			41490	2680	17.8950	19.9100
	16QAM	5	39675	2498.5	4.4951	4.8810
			40620	2593	4.5030	5.1750
			41565	2687.5	4.4978	4.9790
		10	39700	2501	9.0061	9.8810
			40620	2593	8.9907	9.5350
			41540	2685	8.9930	9.7540
		15	39725	2503.5	13.5030	14.4700
			40620	2593	13.5050	14.4400
			41515	2682.5	13.4490	16.6100
		20	39750	2506	17.9700	21.4900
			40620	2593	17.9340	19.0900
			41490	2680	17.9190	19.8700
	64QAM	5	39675	2498.5	4.4894	4.8690
			40620	2593	4.4948	5.2770
			41565	2687.5	4.5012	4.8550
		10	39700	2501	9.0023	9.8070
			40620	2593	8.9989	9.6840
			41540	2685	8.9790	9.5480
15		39725	2503.5	13.4630	15.1600	
		40620	2593	13.4880	15.3600	
		41515	2682.5	13.4310	17.1700	
20		39750	2506	17.9510	19.8600	
		40620	2593	17.9740	19.2900	
		41490	2680	17.8980	19.5000	



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	28.885	35.83
CA_38C_15MHz+15MHz_16QAM	37925	2587.5	38075	2602.5	75#0	75#0	28.737	34.86
CA_38C_15MHz+15MHz_64QAM	37925	2587.5	38075	2602.5	75#0	75#0	28.785	35.22
CA_38C_20MHz+20MHz_QPSK	37901	2585.1	38099	2604.9	100#0	100#0	37.916	43.74
CA_38C_20MHz+20MHz_16QAM	37901	2585.1	38099	2604.9	100#0	100#0	37.807	41.30
CA_38C_20MHz+20MHz_64QAM	37901	2585.1	38099	2604.9	100#0	100#0	37.896	42.78

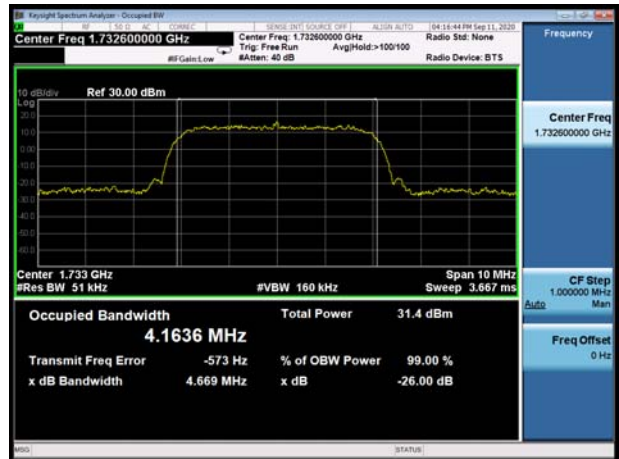
CA_41C	PCC		SCC1		PCC RB	SCC1 RB	Bandwidth (MHz)	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)			99% Power	-26dBc
CA_41C_5MHz+20MHz_QPSK	40648	2595.8	40765	2607.5	25#0	100#0	22.956	28.13
CA_41C_5MHz+20MHz_16QAM	40648	2595.8	40765	2607.5	25#0	100#0	22.777	25.06
CA_41C_5MHz+20MHz_64QAM	40648	2595.8	40765	2607.5	25#0	100#0	23.114	27.83
CA_41C_20MHz+5MHz_QPSK	40715	2602.5	40832	2614.2	100#0	25#0	22.924	27.09
CA_41C_20MHz+5MHz_16QAM	40715	2602.5	40832	2614.2	100#0	25#0	22.899	25.08
CA_41C_20MHz+5MHz_64QAM	40715	2602.5	40832	2614.2	100#0	25#0	22.793	26.75
CA_41C_10MHz+20MHz_QPSK	40646	2595.6	40790	2610	50#0	75#0	27.444	30.58
CA_41C_10MHz+20MHz_16QAM	40646	2595.6	40790	2610	50#0	75#0	27.498	31.29
CA_41C_10MHz+20MHz_64QAM	40646	2595.6	40790	2610	50#0	75#0	27.505	30.84
CA_41C_20MHz+10MHz_QPSK	40691	2600.1	40835	2614.5	75#0	50#0	27.624	30.34
CA_41C_20MHz+10MHz_16QAM	40691	2600.1	40835	2614.5	75#0	50#0	27.593	30.36
CA_41C_20MHz+10MHz_64QAM	40691	2600.1	40835	2614.5	75#0	50#0	27.625	30.06
CA_41C_15MHz+15MHz_QPSK	40665	2597.5	40815	2612.5	75#0	75#0	28.076	31.12
CA_41C_15MHz+15MHz_16QAM	40665	2597.5	40815	2612.5	75#0	75#0	28.247	32.68
CA_41C_15MHz+15MHz_64QAM	40665	2597.5	40815	2612.5	75#0	75#0	28.104	32.18
CA_41C_15MHz+20MHz_QPSK	40643	2595.3	40814	2612.4	75#0	100#0	32.238	35.35
CA_41C_15MHz+20MHz_16QAM	40643	2595.3	40814	2612.4	75#0	100#0	32.326	36.12
CA_41C_15MHz+20MHz_64QAM	40643	2595.3	40814	2612.4	75#0	100#0	32.313	34.76
CA_41C_20MHz+15MHz_QPSK	40686	2597.6	40837	2614.7	100#0	75#0	32.487	36.56
CA_41C_20MHz+15MHz_16QAM	40686	2597.6	40837	2614.7	100#0	75#0	32.359	35.70
CA_41C_20MHz+15MHz_64QAM	40686	2597.6	40837	2614.7	100#0	75#0	32.351	36.43
CA_41C_20MHz+20MHz_QPSK	40641	2595.1	40839	2614.9	100#0	100#0	37.241	40.97
CA_41C_20MHz+20MHz_16QAM	40641	2595.1	40839	2614.9	100#0	100#0	37.161	40.06
CA_41C_20MHz+20MHz_64QAM	40641	2595.1	40839	2614.9	100#0	100#0	37.243	40.95



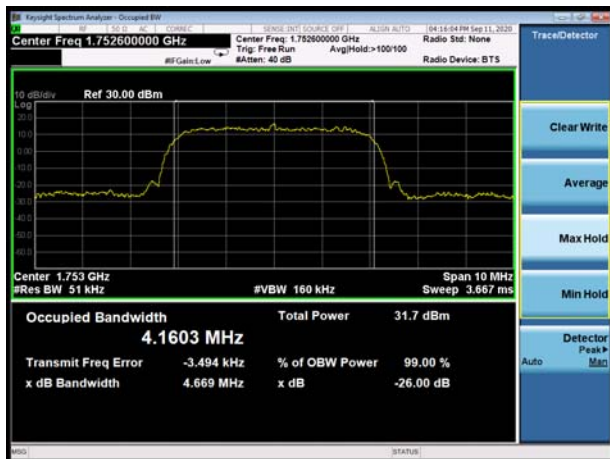
### WCDMA Band IV CH-Low



### WCDMA Band IV CH Middle



### WCDMA Band IV CH High





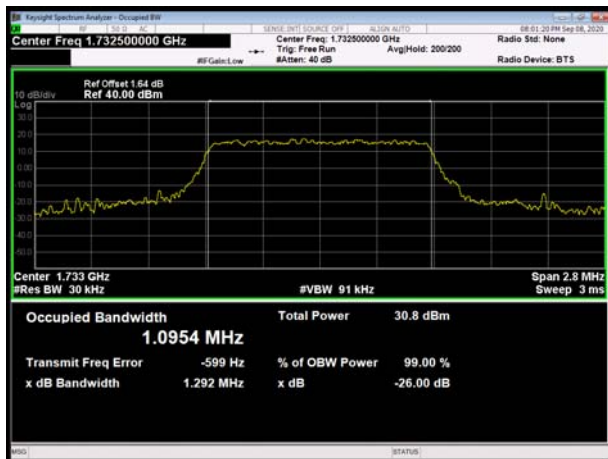
### LTE Band 4 QPSK 1.4MHz CH-Low



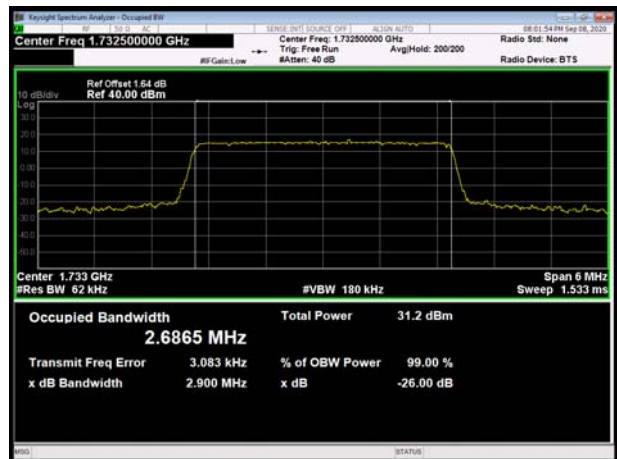
### LTE Band 4 QPSK 3MHz CH-Low



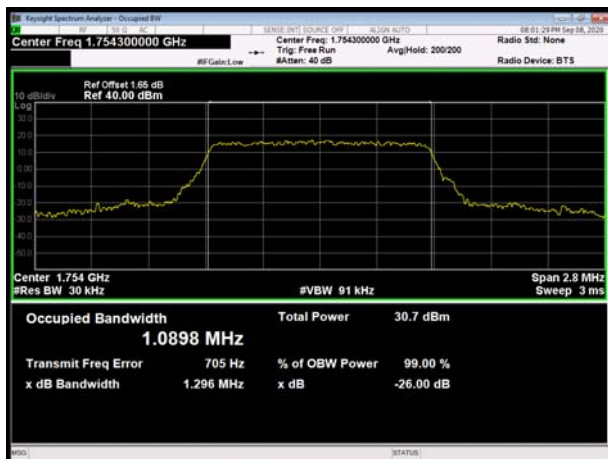
### LTE Band 4 QPSK 1.4MHz CH-Middle



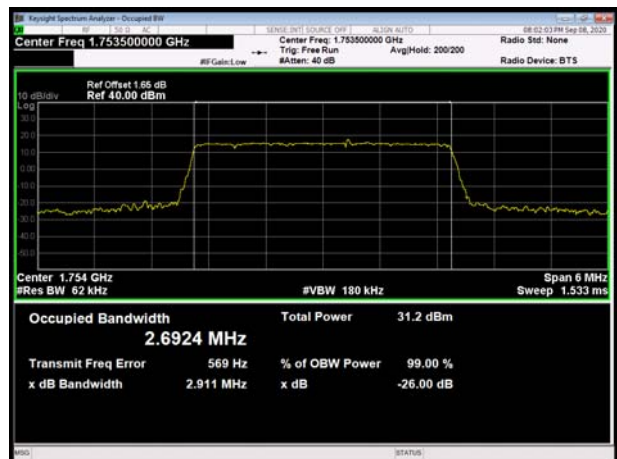
### LTE Band 4 QPSK 3MHz CH-Middle



### LTE Band 4 QPSK 1.4MHz CH-High



### LTE Band 4 QPSK 3MHz CH-High





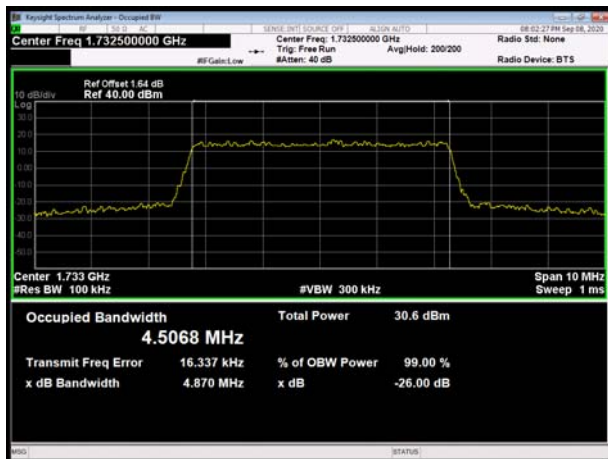
### LTE Band 4 QPSK 5MHz CH-Low



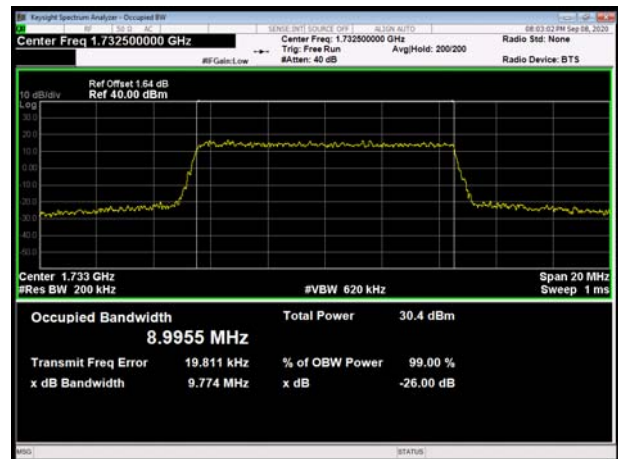
### LTE Band 4 QPSK 10MHz CH-Low



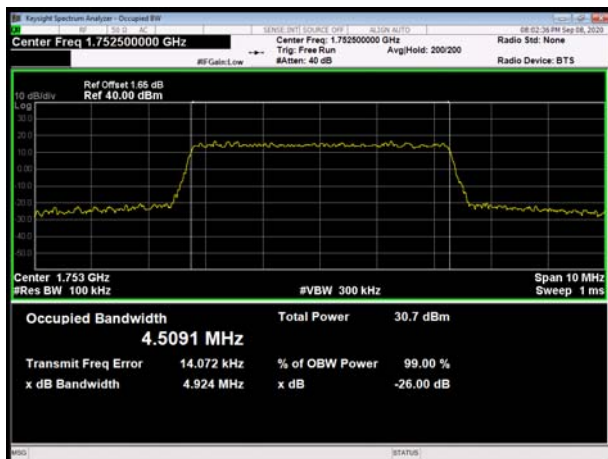
### LTE Band 4 QPSK 5MHz CH-Middle



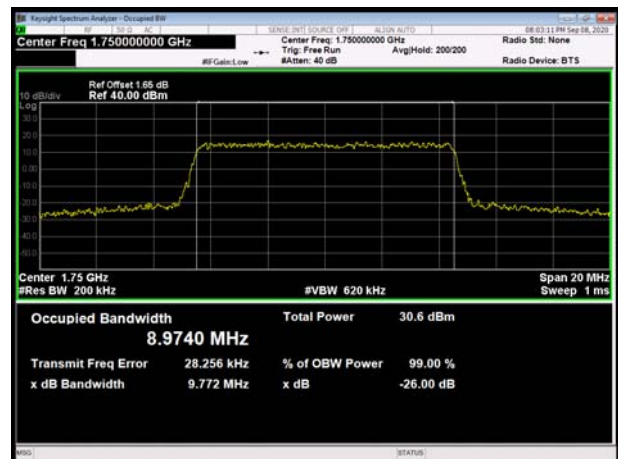
### LTE Band 4 QPSK 10MHz CH-Middle



### LTE Band 4 QPSK 5MHz CH-High



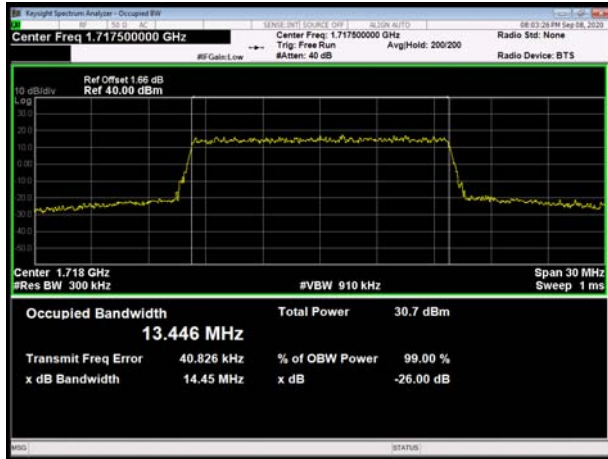
### LTE Band 4 QPSK 10MHz CH-High







LTE Band 4 QPSK 15MHz CH-Low



LTE Band 4 QPSK 20MHz CH-Low



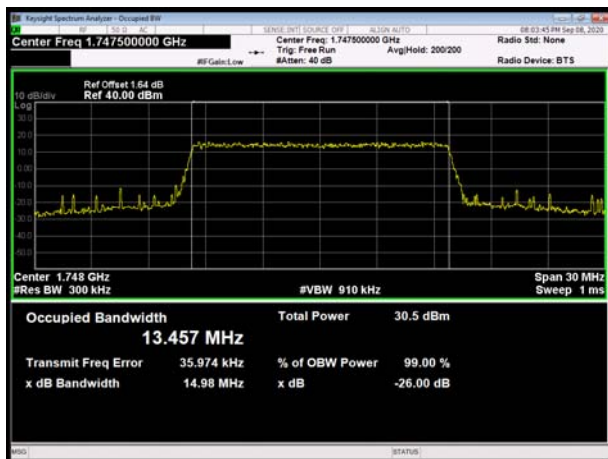
LTE Band 4 QPSK 15MHz CH-Middle



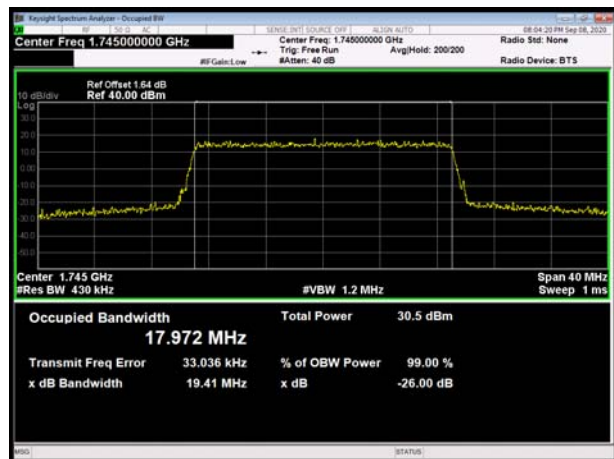
LTE Band 4 QPSK 20MHz CH-Middle



LTE Band 4 QPSK 15MHz CH-High



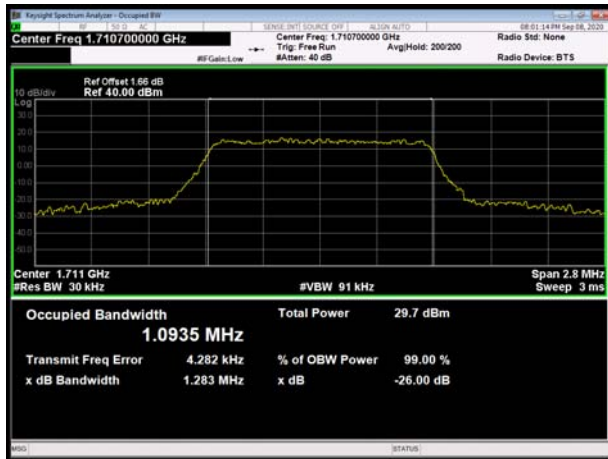
LTE Band 4 QPSK 20MHz CH-High







### LTE Band 4 16QAM 1.4MHz CH-Low



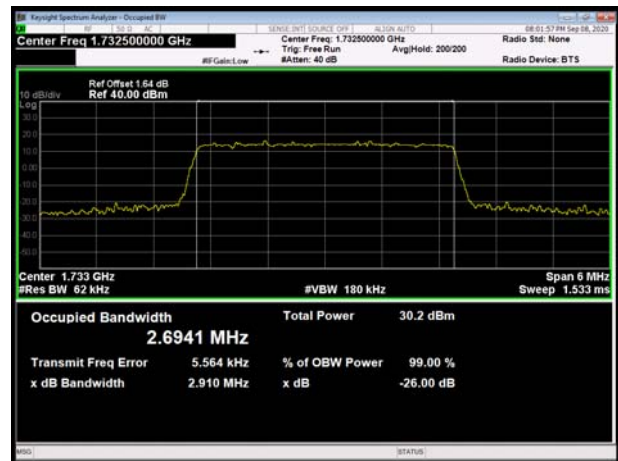
### LTE Band 4 16QAM 3MHz CH-Low



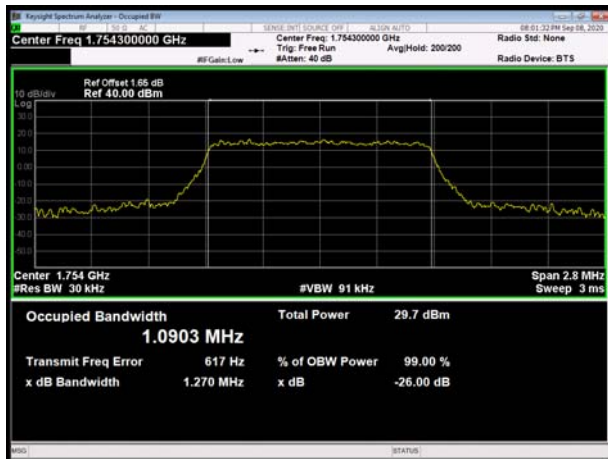
### LTE Band 4 16QAM 1.4MHz CH-Middle



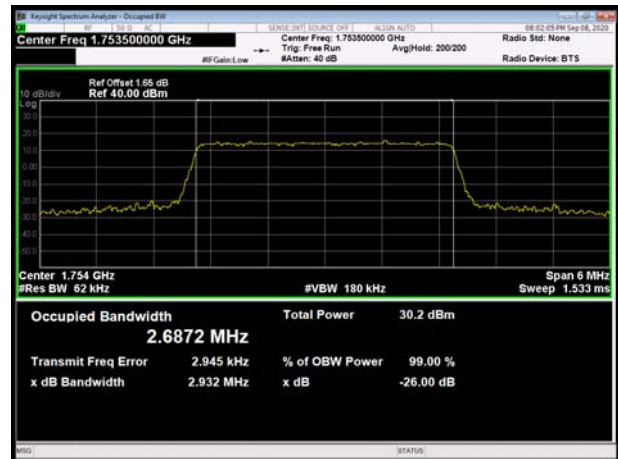
### LTE Band 4 16QAM 3MHz CH-Middle



### LTE Band 4 16QAM 1.4MHz CH-High

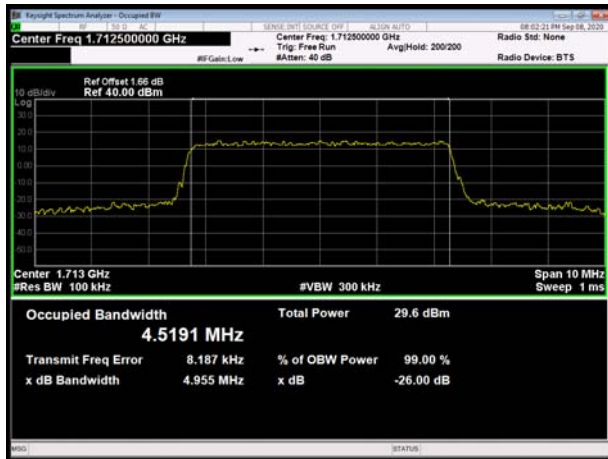


### LTE Band 4 16QAM 3MHz CH-High

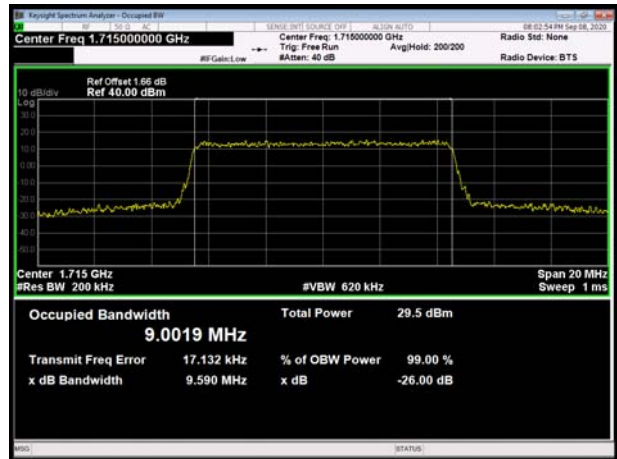




### LTE Band 4 16QAM 5MHz CH-Low



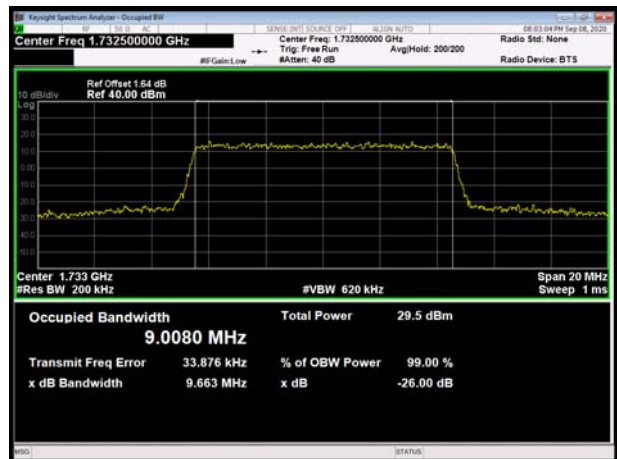
### LTE Band 4 16QAM 10MHz CH-Low



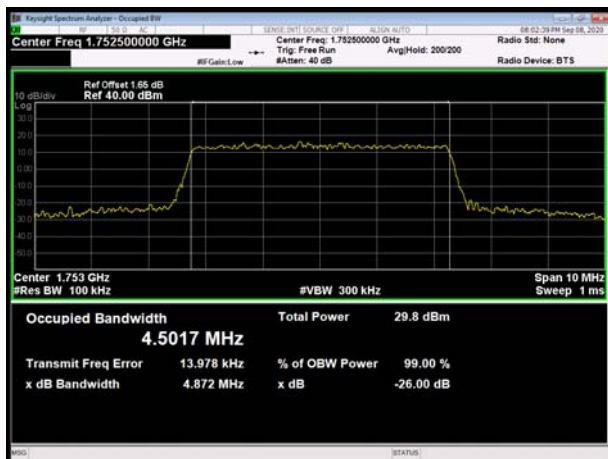
### LTE Band 4 16QAM 5MHz CH-Middle



### LTE Band 4 16QAM 10MHz CH-Middle



### LTE Band 4 16QAM 5MHz CH-High

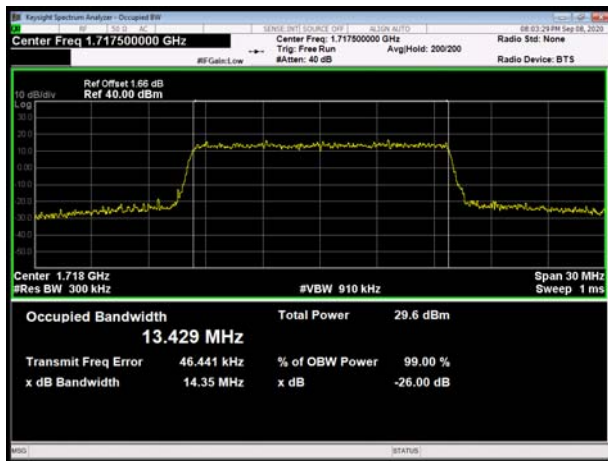


### LTE Band 4 16QAM 10MHz CH-High

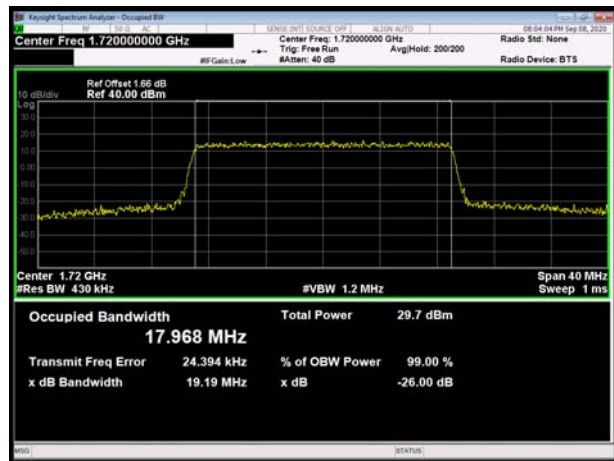




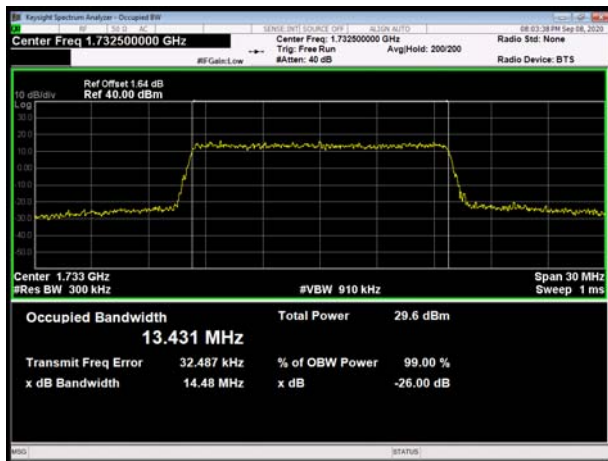
### LTE Band 4 16QAM 15MHz CH-Low



### LTE Band 4 16QAM 20MHz CH-Low



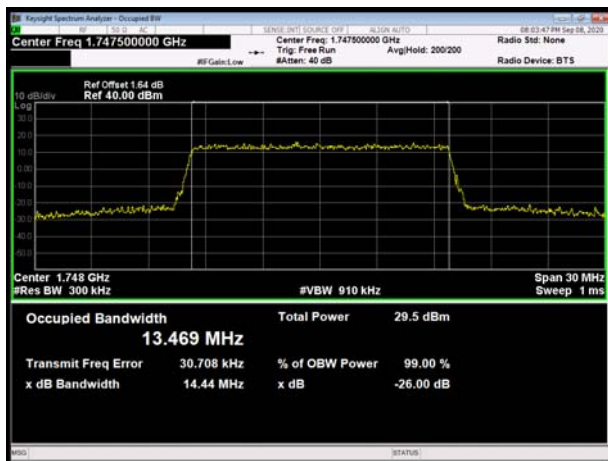
### LTE Band 4 16QAM 15MHz CH-Middle



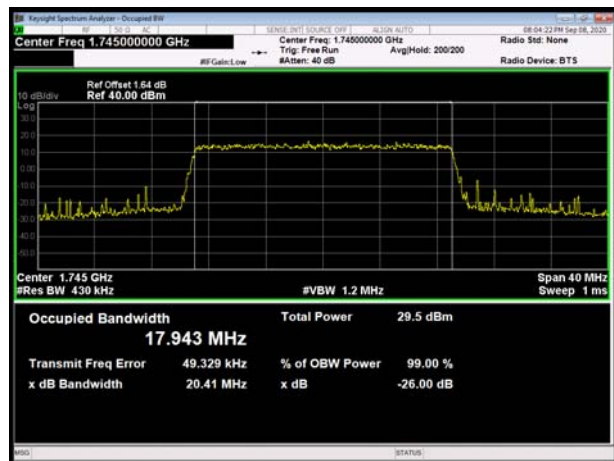
### LTE Band 4 16QAM 20MHz CH-Middle



### LTE Band 4 16QAM 15MHz CH-High

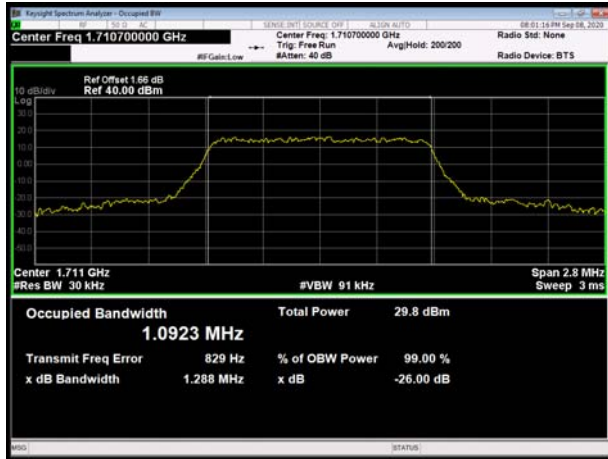


### LTE Band 4 16QAM 20MHz CH-High





LTE Band 4 64QAM 1.4MHz CH-Low



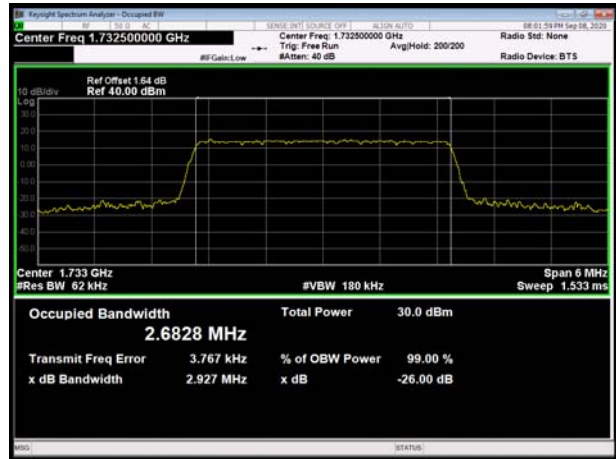
LTE Band 4 64QAM 3MHz CH-Low



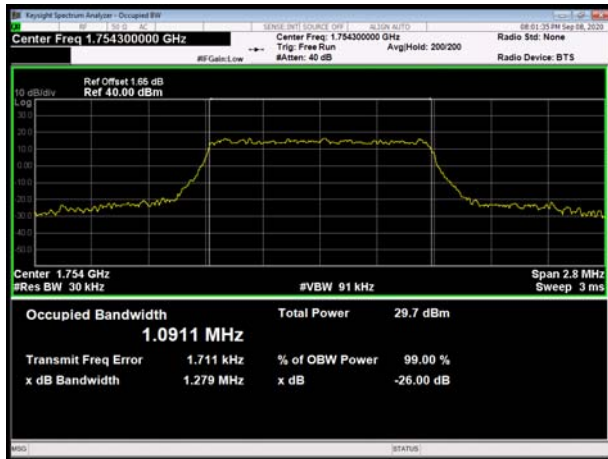
LTE Band 4 64QAM 1.4MHz CH-Middle



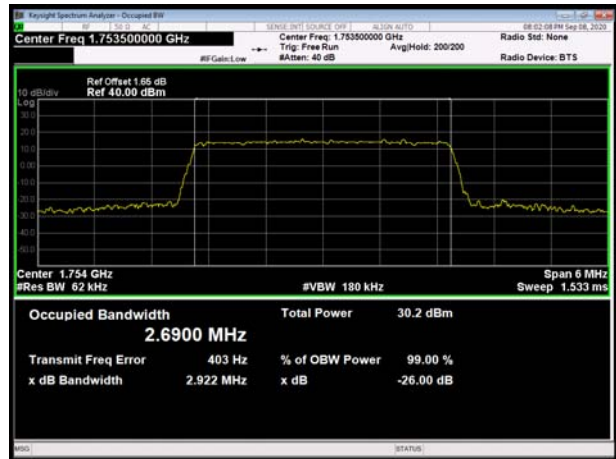
LTE Band 4 64QAM 3MHz CH-Middle



LTE Band 4 64QAM 1.4MHz CH-High



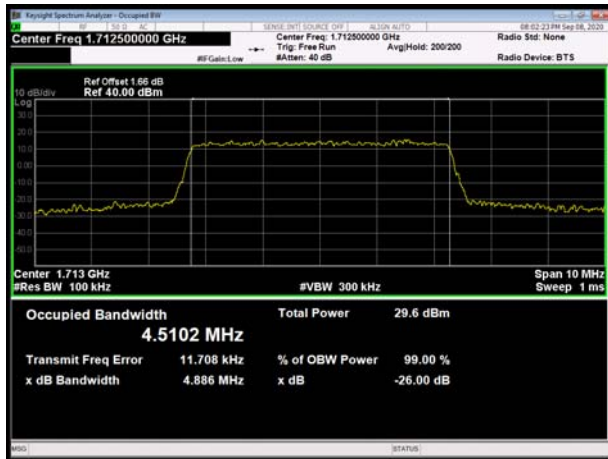
LTE Band 4 64QAM 3MHz CH-High







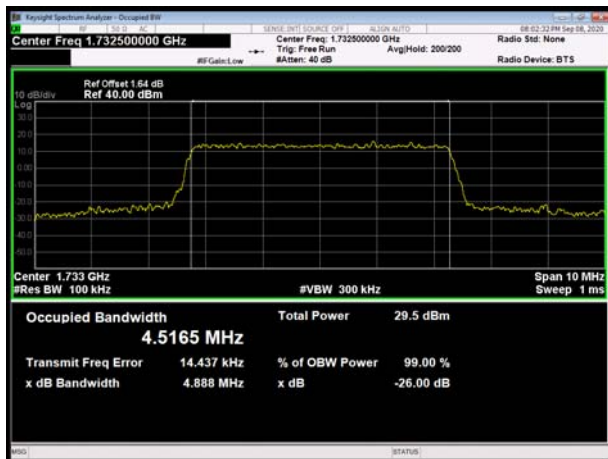
### LTE Band 4 64QAM 5MHz CH-Low



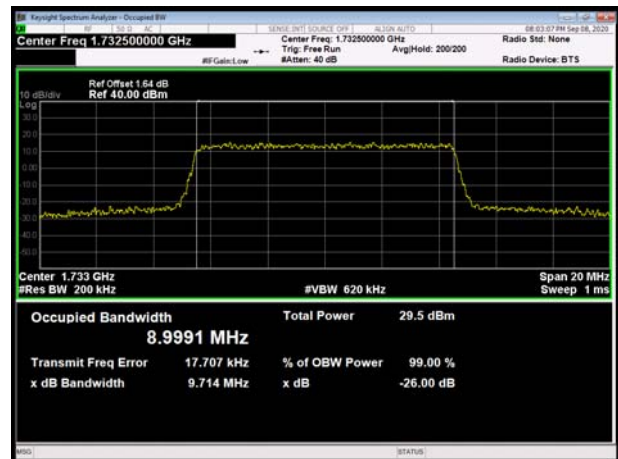
### LTE Band 4 64QAM 10MHz CH-Low



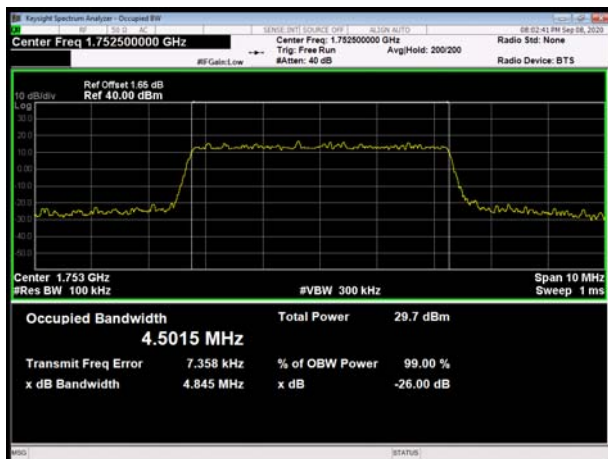
### LTE Band 4 64QAM 5MHz CH-Middle



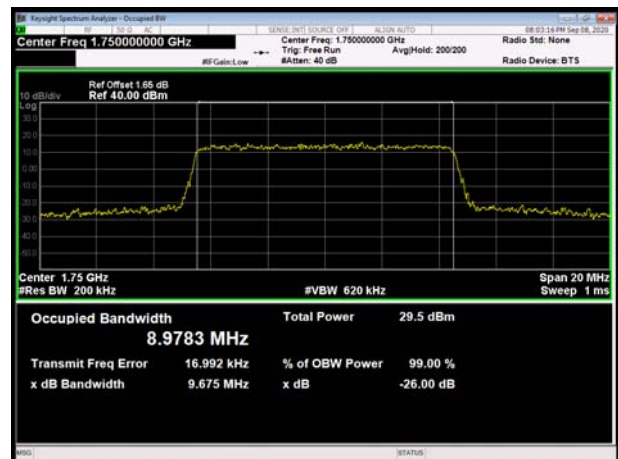
### LTE Band 4 64QAM 10MHz CH-Middle



### LTE Band 4 64QAM 5MHz CH-High

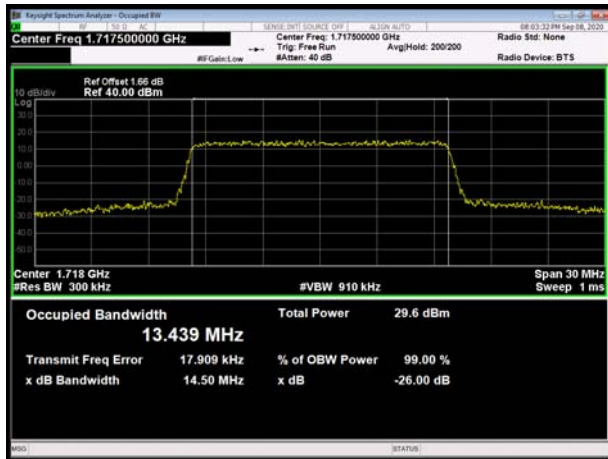


### LTE Band 4 64QAM 10MHz CH-High





### LTE Band 4 64QAM 15MHz CH-Low



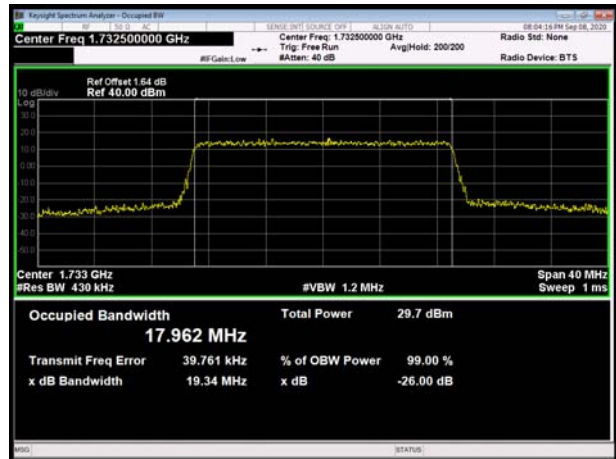
### LTE Band 4 64QAM 20MHz CH-Low



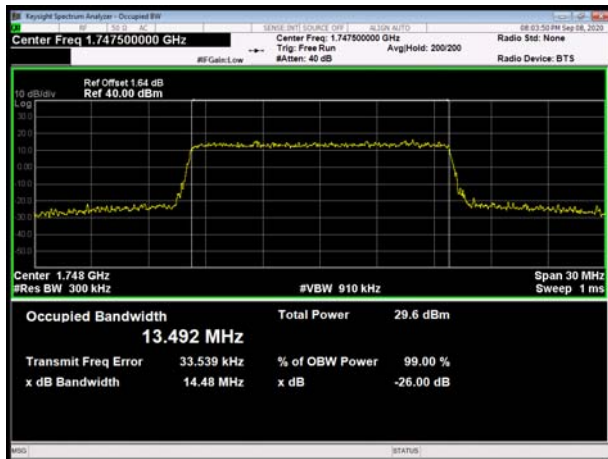
### LTE Band 4 64QAM 15MHz CH-Middle



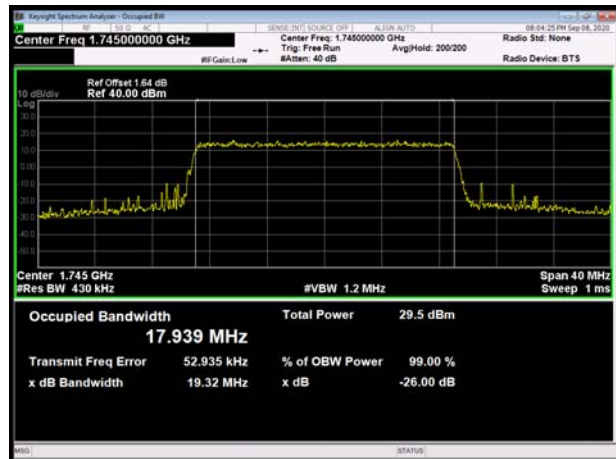
### LTE Band 4 64QAM 20MHz CH-Middle



### 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



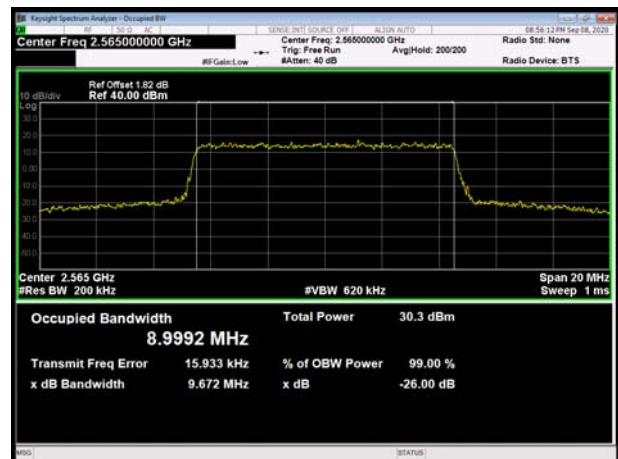
### LTE Band 7 QPSK 10MHz CH-Middle



### LTE Band 7 QPSK 5MHz CH-High



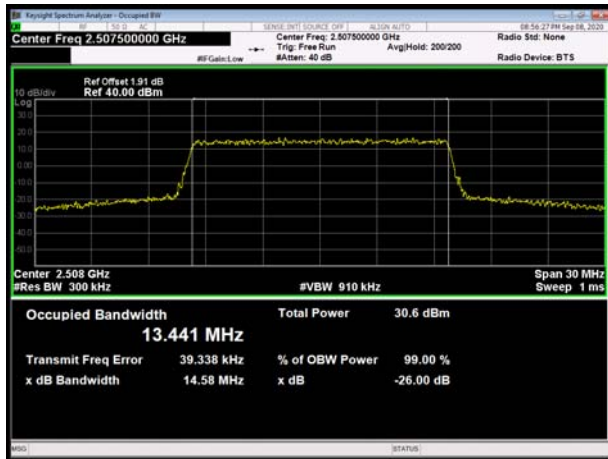
### LTE Band 7 QPSK 10MHz CH-High







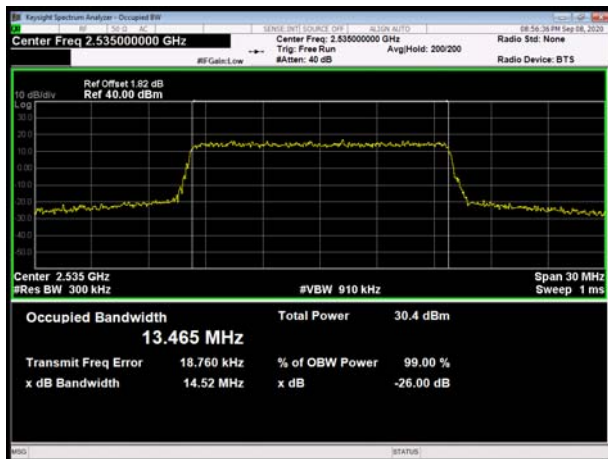
### LTE Band 7 QPSK 15MHz CH-Low



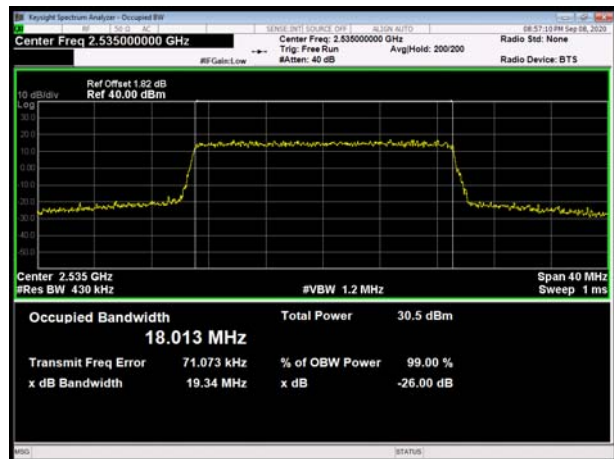
### LTE Band 7 QPSK 20MHz CH-Low



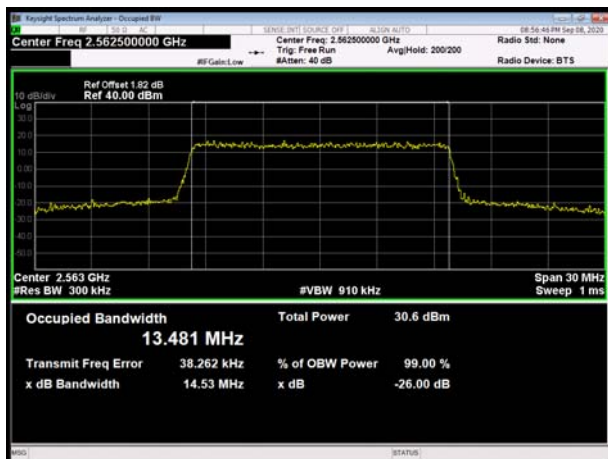
### LTE Band 7 QPSK 15MHz CH-Middle



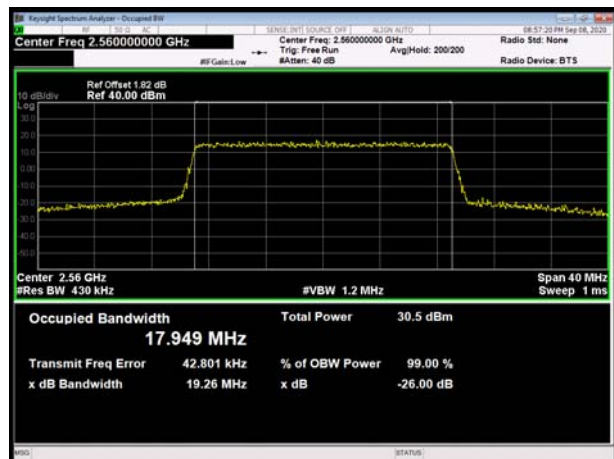
### LTE Band 7 QPSK 20MHz CH-Middle



### LTE Band 7 QPSK 15MHz CH-High

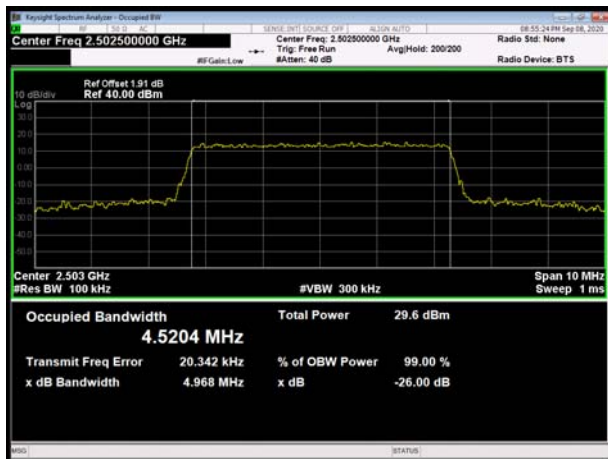


### LTE Band 7 QPSK 20MHz CH-High

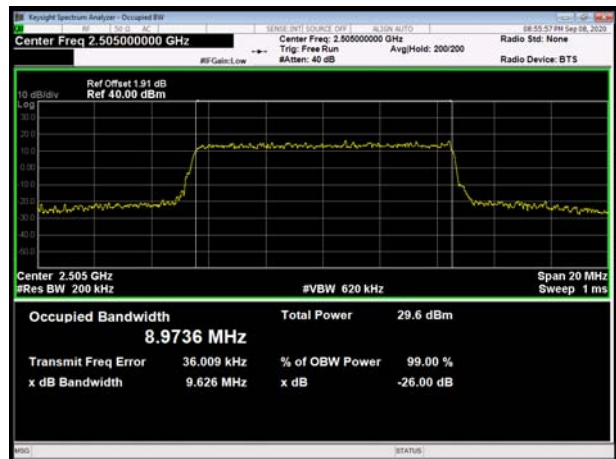




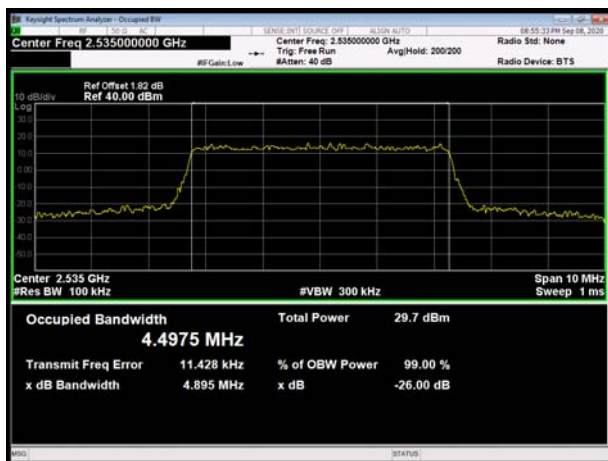
### LTE Band 7 16QAM 5MHz CH-Low



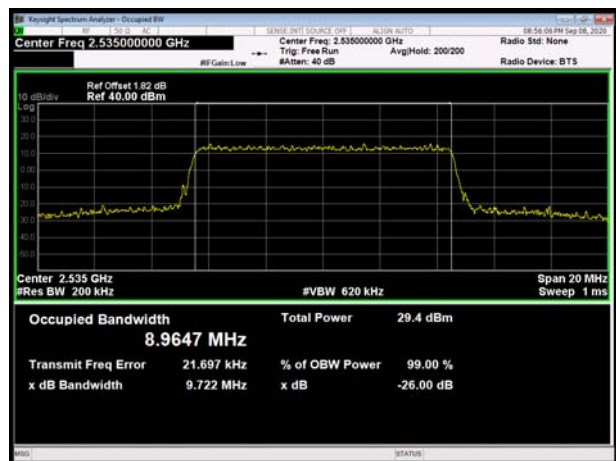
### LTE Band 7 16QAM 10MHz CH-Low



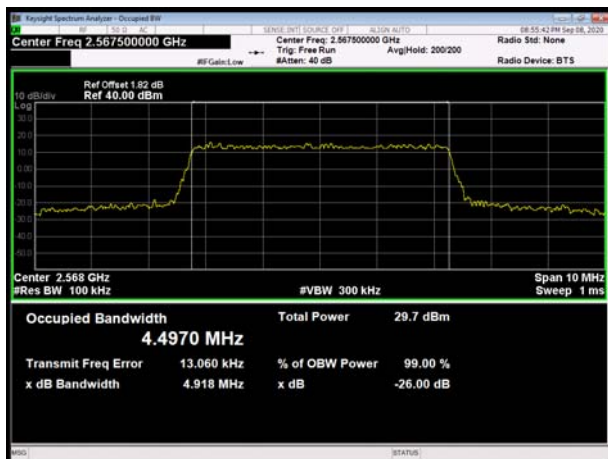
### LTE Band 7 16QAM 5MHz CH-Middle



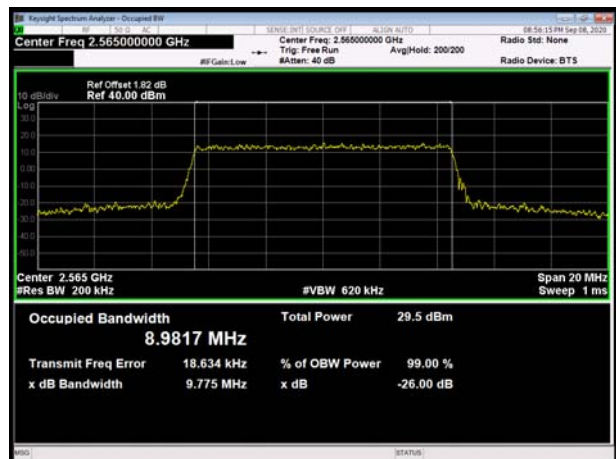
### LTE Band 7 16QAM 10MHz CH-Middle



### LTE Band 7 16QAM 5MHz CH-High



### LTE Band 7 16QAM 10MHz CH-High





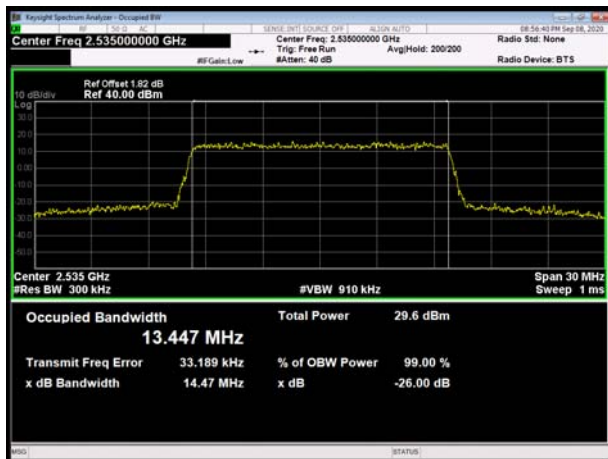
LTE Band 7 16QAM 15MHz CH-Low



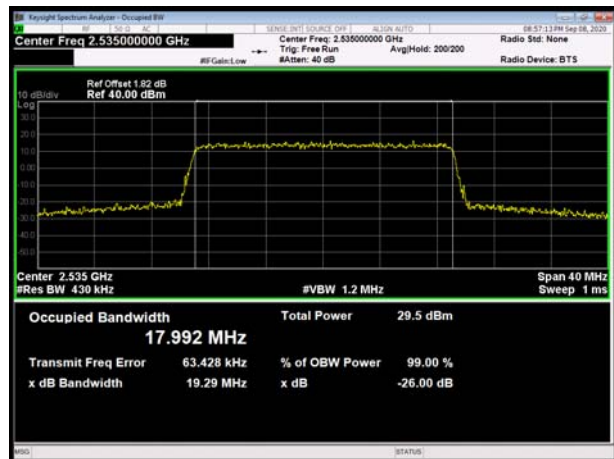
LTE Band 7 16QAM 20MHz CH-Low



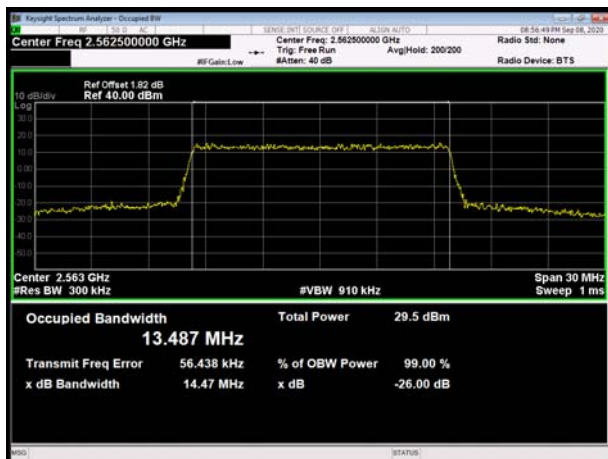
LTE Band 7 16QAM 15MHz CH-Middle



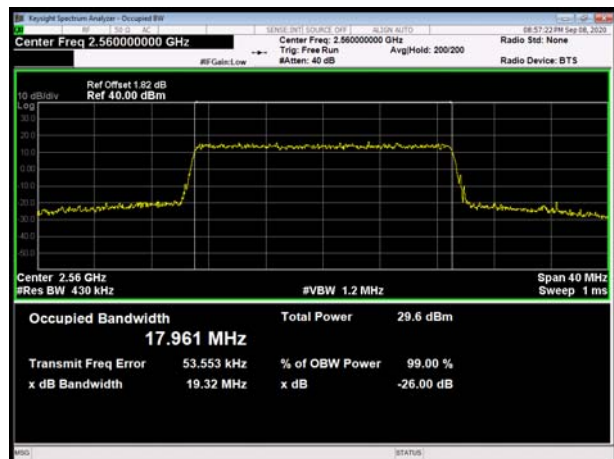
LTE Band 7 16QAM 20MHz CH-Middle



LTE Band 7 16QAM 15MHz CH-High

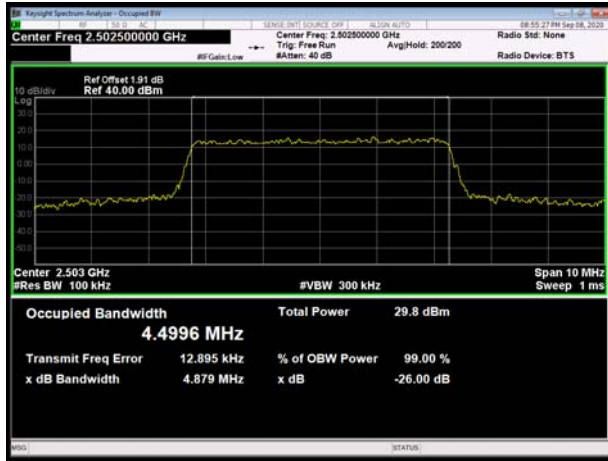


LTE Band 7 16QAM 20MHz CH-High

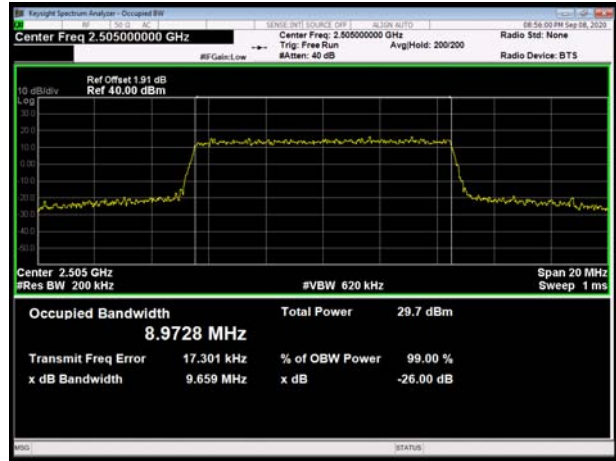




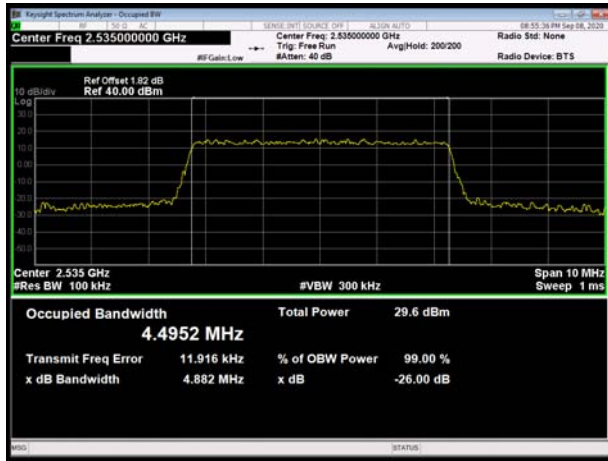
LTE Band 7 64QAM 5MHz CH-Low



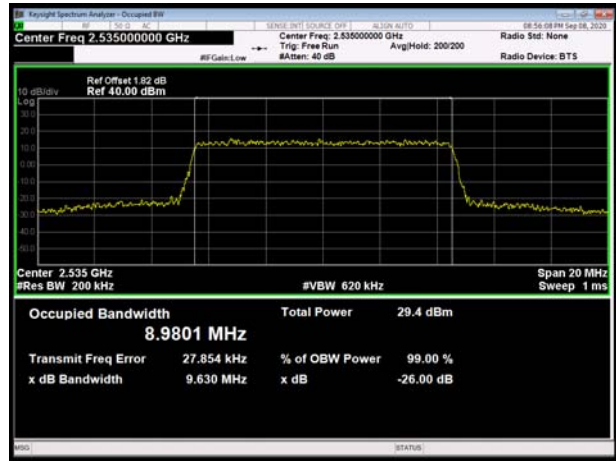
LTE Band 7 64QAM 10MHz CH-Low



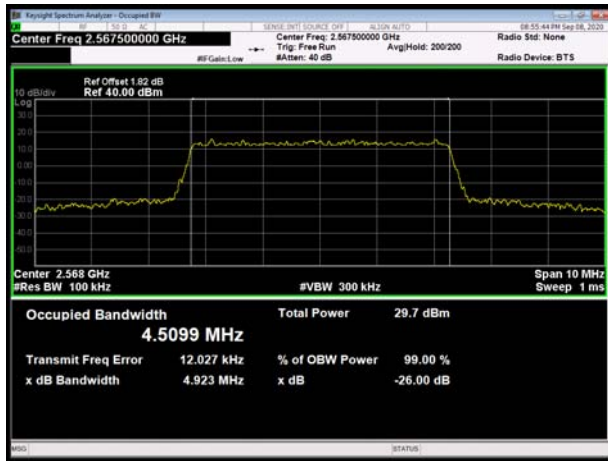
LTE Band 7 64QAM 5MHz CH-Middle



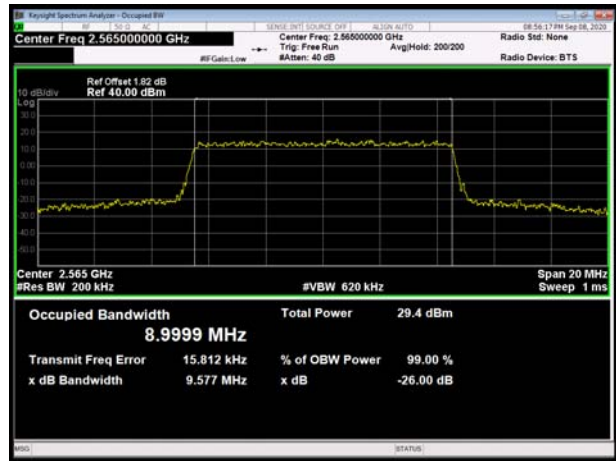
LTE Band 7 64QAM 10MHz CH-Middle



LTE Band 7 64QAM 5MHz CH-High



LTE Band 7 64QAM 10MHz CH-High







LTE Band 7 64QAM 15MHz CH-Low



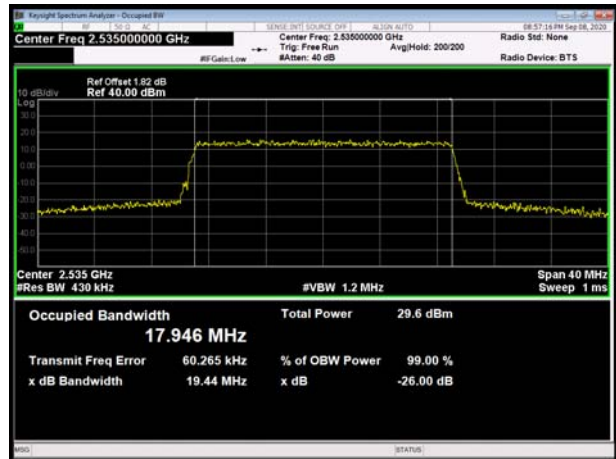
LTE Band 7 64QAM 20MHz CH-Low



LTE Band 7 64QAM 15MHz CH-Middle



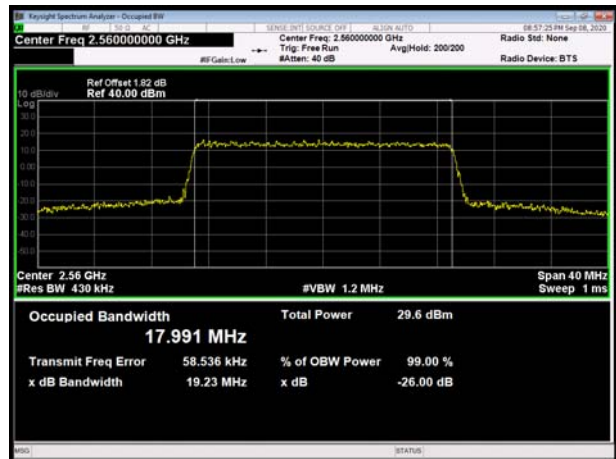
LTE Band 7 64QAM 20MHz CH-Middle



LTE Band 7 64QAM 15MHz CH-High

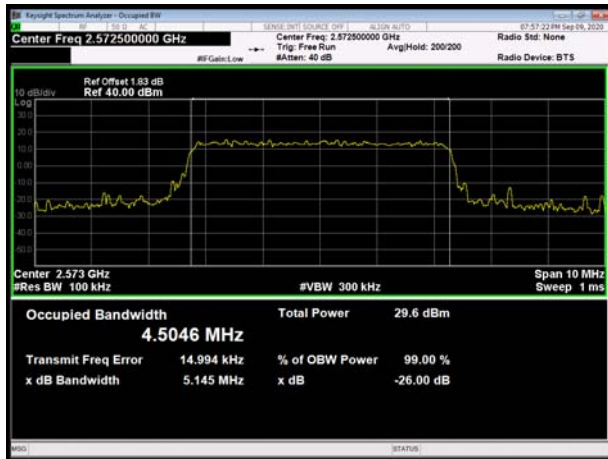


LTE Band 7 64QAM 20MHz CH-High





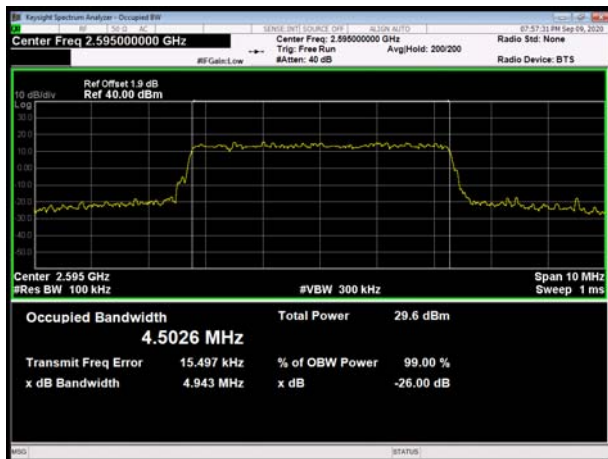
### LTE Band 38 QPSK 5MHz CH-Low



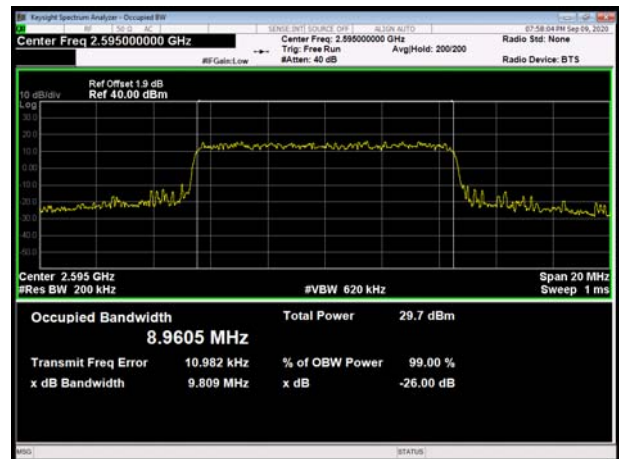
### LTE Band 38 QPSK 10MHz CH-Low



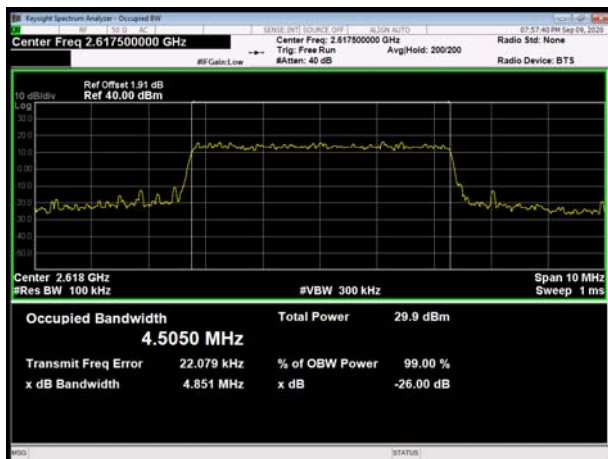
### LTE Band 38 QPSK 5MHz CH-Middle



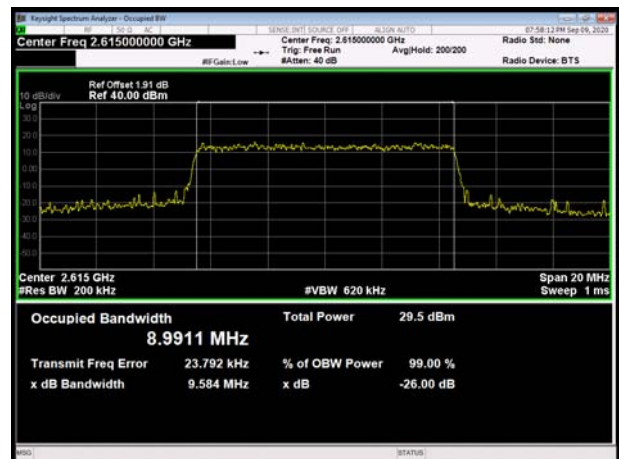
### LTE Band 38 QPSK 10MHz CH-Middle



### LTE Band 38 QPSK 5MHz CH-High

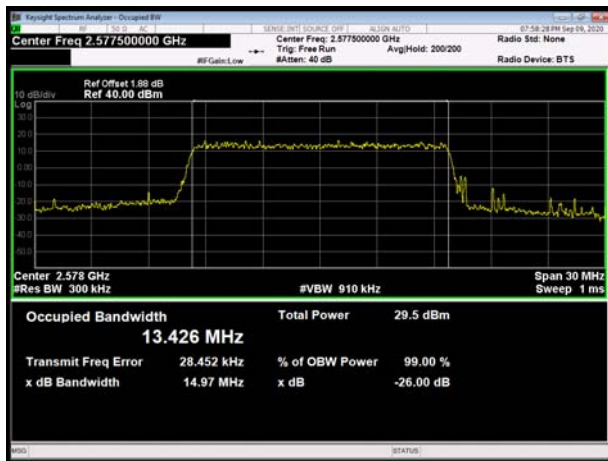


### LTE Band 38 QPSK 10MHz CH-High

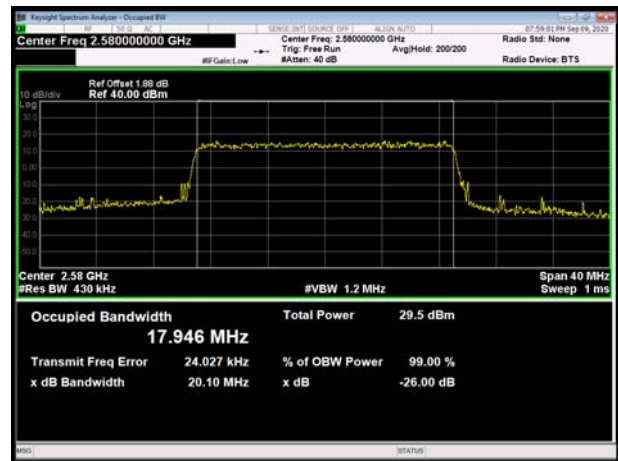




### LTE Band 38 QPSK 15MHz CH-Low



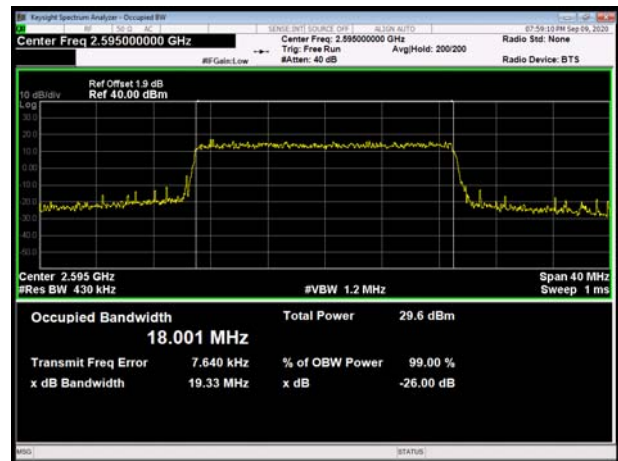
### LTE Band 38 QPSK 20MHz CH-Low



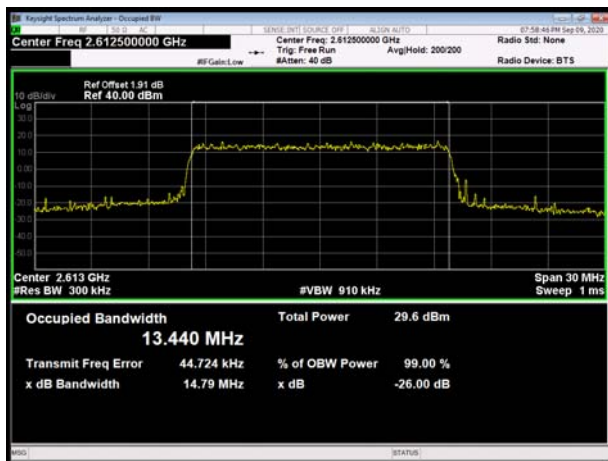
### LTE Band 38 QPSK 15MHz CH-Middle



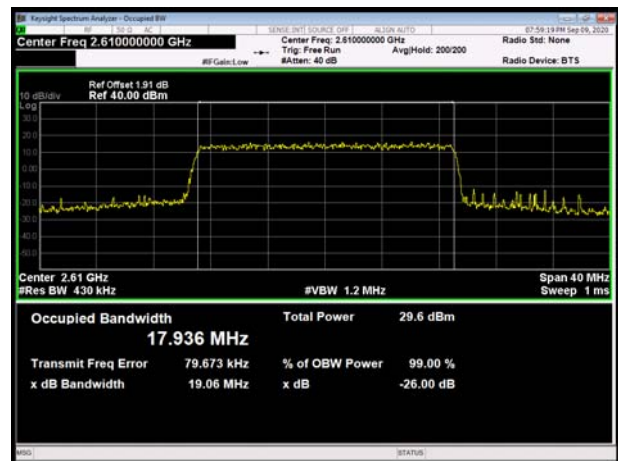
### LTE Band 38 QPSK 20MHz CH-Middle



### LTE Band 38 QPSK 15MHz CH-High



### LTE Band 38 QPSK 20MHz CH-High







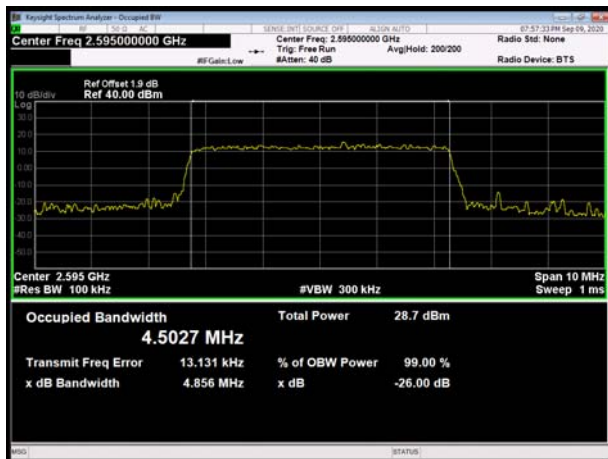
### LTE Band 38 16QAM 5MHz CH-Low



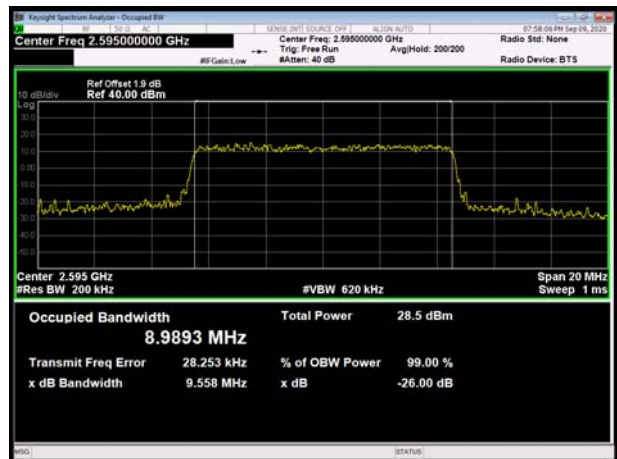
### LTE Band 38 16QAM 10MHz CH-Low



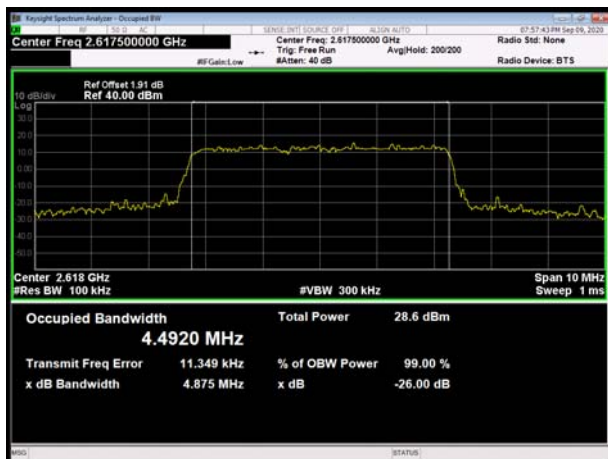
### LTE Band 38 16QAM 5MHz CH-Middle



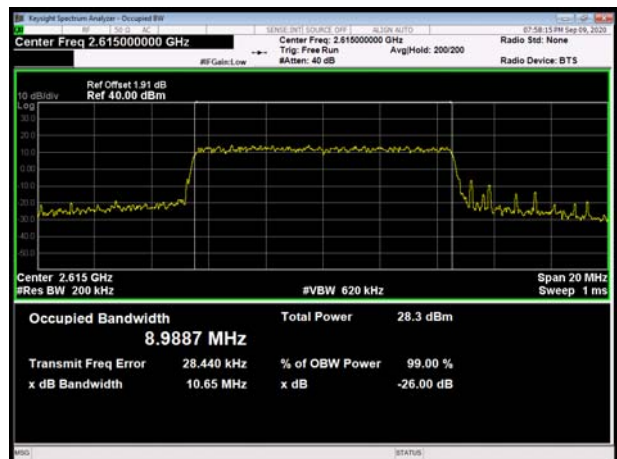
### LTE Band 38 16QAM 10MHz CH-Middle



### LTE Band 38 16QAM 5MHz CH-High



### LTE Band 38 16QAM 10MHz CH-High

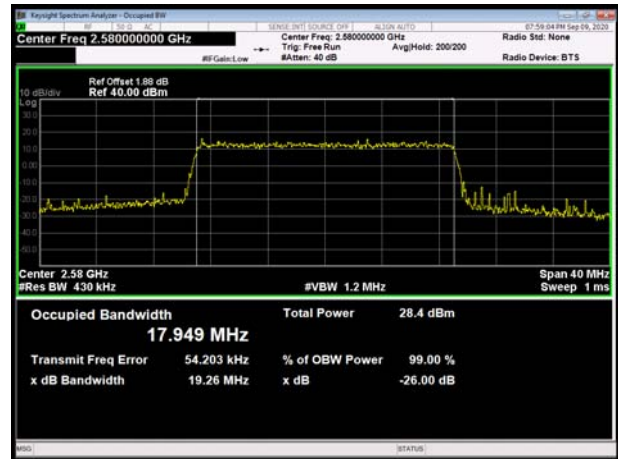




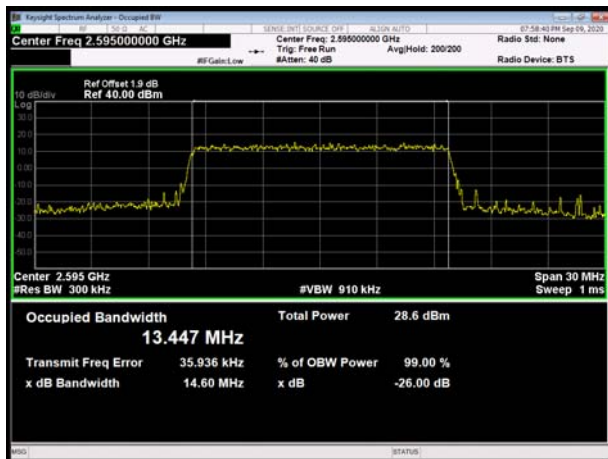
### LTE Band 38 16QAM 15MHz CH-Low



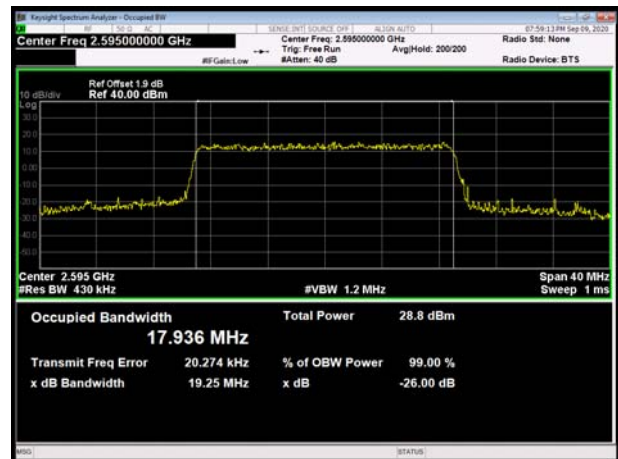
### LTE Band 38 16QAM 20MHz CH-Low



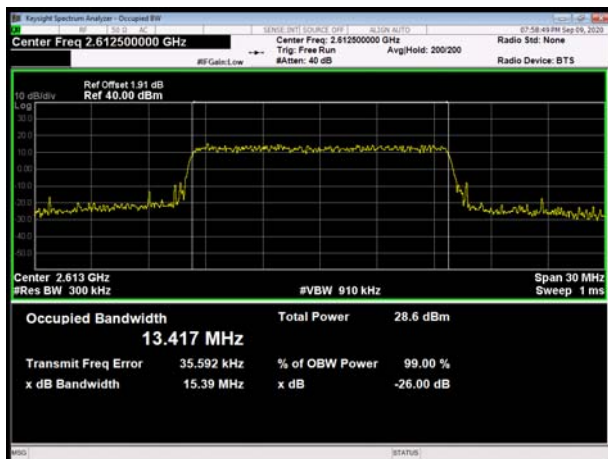
### LTE Band 38 16QAM 15MHz CH-Middle



### LTE Band 38 16QAM 20MHz CH-Middle



### LTE Band 38 16QAM 15MHz CH-High



### LTE Band 38 16QAM 20MHz CH-High

