RF TEST REPORT

Applicant	Huawei Device Co., Ltd.
FCC ID	2ATEYJLN
Product	Smart phone
Model	JLN-LX3
Report No.	R2112A1178-R3
Issue Date	January 29, 2022

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

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Summary of Measurement Results

Number	Test Case	Clause in FCC rules	Verdict
1	RF Power Output and Effective Isotropic Radiated Power	2.1046 27.50(d)(4) 27.50(b)(10) 27.50(c)(10) 27.50(h)(2)	PASS
2	Occupied Bandwidth	2.1049	PASS
3	Band Edge Compliance	27.53(h) 27.53(g) 27.53(f) /27.53(c) 27.53(m)	PASS
4	Peak-to-Average Power Ratio	27.50(d)/KDB971168 D01(5.7)	PASS
5	Frequency Stability	2.1055 / 27.54	PASS
6	Spurious Emissions at Antenna Terminals	2.1051 27.53(h) 27.53(g) 27.53(f) /27.53(c) 27.53(m)	PASS
7	Radiates Spurious Emission	2.1053 27.53(h) 27.53(g) 27.53(f) /27.53(c) 27.53(m)	PASS
Date of Testing: January 5, 2022 ~ January 26, 2022 Date of Sample Received: December 24, 2021			
Note: PASS: The EUT complies with the essential requirements in the standard. FAIL: The EUT does not comply with the essential requirements in the standard. All indications of Pass/Fail in this report are opinions expressed by TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

1 Test Laboratory

1.1 Notes of the Test Report

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

1.2. Test facility

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

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

A2LA (Certificate Number: 3857.01)

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

1.3 Testing Location

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

2.1 Applicant and Manufacturer Information

Applicant	Huawei Device Co., Ltd.
Applicant address	No.2 of Xincheng Road, Songshan Lake Zone, Dongguan, Guangdong 523808, People's Republic of China
Manufacturer	Huawei Device Co., Ltd.
Manufacturer address	No.2 of Xincheng Road, Songshan Lake Zone, Dongguan, Guangdong 523808, People's Republic of China

2.2 General information

EUT Description			
Model	JLN-LX3		
SN	HWQYD21C07500160		
Hardware Version	HL1JLNM		
Software Version	12.0.1.100(C900E100R1P3)		
Power Supply	Battery / AC adapter		
Antenna Type	Internal Antenna		
Antenna Gain	Band	Main Antenna(dBi)	Second Antenna(dBi)
	WCDMA Band IV:	-1.96	-3.62
	LTE Band 4:	-1.96	-1.91
	LTE Band 7:	-0.70	-1.55
	LTE Band 12:	-6.24	-8.92
	LTE Band 13:	-6.24	-8.92
	LTE Band 17:	-6.24	-8.92
	LTE Band 38:	-1.04	-1.65
	LTE Band 41:	-0.70	-1.55
	LTE Band 66:	-1.96	-1.91
Test Mode(s)	WCDMA Band IV; LTE Band 4/7/12/13/17/38/41/66;		
Test Modulation	(WCDMA) BPSK, QPSK (LTE) QPSK, 16QAM, 64QAM		
HSDPA UE Category	24		
HSUPA UE Category	6		
LTE Category	5		
Maximum E.I.R.P./ E.R.P.	WCDMA Band IV:	19.71dBm	
	LTE Band 4:	20.34dBm	
	LTE Band 7:	20.29dBm	
	LTE Band 12:	15.88dBm	
	LTE Band 13:	15.70dBm	
	LTE Band 17:	16.01dBm	
	LTE Band 38:	21.14dBm	

	LTE Band 41:	22.10dBm
	LTE Band 66:	20.29dBm
	CA_7C:	23.50dBm
	CA_38C:	22.25dBm
	CA_41C:	19.80dBm
Rated Power Supply Voltage	3.87V	
Operating Voltage	Minimum: 3.6V Maximum: 4.48V	
Operating Temperature	Lowest: 0°C Highest: +35°C	
Testing 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 12	699 ~ 716	729 ~ 746
	LTE Band 13	777 ~ 787	746 ~ 756
	LTE Band 17	704 ~ 716	734 ~ 746
	LTE Band 38	2570 ~ 2620	2570 ~ 2620
	LTE Band 41	2496 ~ 2690	2496 ~ 2690
	LTE Band 66	1710 ~ 1780	2110 ~ 2180

EUT Accessory

Accessory	Model	Manufacture	No.
Adapter	HW-110600U00	Huawei Technologies Co., Ltd. (Manufacturer: Astec Electronics (Luoding) Co. Limited)	1
		Huawei Technologies Co., Ltd. (Manufacturer: ASAP TECHNOLOGY (Jiangxi) CO., LTD)	2
	HW-110600U02	Huawei Technologies Co., Ltd. (Manufacturer: Astec Electronics (Luoding) Co. Limited)	3
		Huawei Technologies Co., Ltd. (Manufacturer: ASAP TECHNOLOGY (Jiangxi) CO., LTD)	4
	HW-110600E02	Huawei Technologies Co., Ltd. (Manufacturer: Astec Electronics (Luoding) Co. Limited)	5
		Huawei Technologies Co., Ltd. (Manufacturer: ASAP TECHNOLOGY (Jiangxi) CO., LTD)	6
	HW-110600B02	Huawei Technologies Co., Ltd. (Manufacturer: Astec Electronics (Luoding) Co. Limited)	7
		Huawei Technologies Co., Ltd. (Manufacturer: ASAP TECHNOLOGY (Jiangxi) CO., LTD)	8
	HW-110600A02	Huawei Technologies Co., Ltd. (Manufacturer: Astec Electronics (Luoding) Co. Limited)	9
		Huawei Technologies Co., Ltd. (Manufacturer: ASAP TECHNOLOGY (Jiangxi) CO., LTD)	10
	HW-110600B00	Huawei Technologies Co., Ltd. (Manufacturer: Astec Electronics (Luoding) Co. Limited)	11

		Huawei Technologies Co., Ltd. (Manufacturer: ASAP TECHNOLOGY (Jiangxi) CO., LTD)	12
	HW-110600E00	Huawei Technologies Co., Ltd. (Manufacturer: Astec Electronics (Luoding) Co. Limited)	13
		Huawei Technologies Co., Ltd. (Manufacturer: ASAP TECHNOLOGY (Jiangxi) CO., LTD)	14
	HW-110600A00	Huawei Technologies Co., Ltd. (Manufacturer: Astec Electronics (Luoding) Co. Limited)	15
		Huawei Technologies Co., Ltd. (Manufacturer: ASAP TECHNOLOGY (Jiangxi) CO., LTD)	16
Battery	HB426493EFW	SCUD (FUJIAN) Electronics Co., Ltd.	1
		Sunwoda Electronic Co.,LTD.	2
USB Cable	L99UC139-CS-H	Luxshare Precision industry Co.,Ltd	1
	213-01011-0	MING JI ELECTRONICS CO., LTD.	2
Earphone	1311-3291-6001-TC-351	Boluo County Quancheng Electronic Co., Ltd.	1
Earphone, USB Type-C to 3.5mm Adapter Assembly	6001-7001-TC-348	Boluo County Quancheng Electronic Co., Ltd.	1
	USB042020090AW7	Jiangxi Lianchuang Hongsheng Electronic Co.,Ltd.	2
	642344	FOSTER ELECTRIC CO. (HONG KONG) LTD	3

Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.
2. There are more than one Adapter, Battery and USB Cable, each one should be applied throughout the compliance test respectively, however, only the worst case (Adapter 2, Battery 1 and USB Cable 1) will be recorded in this report.

3 Applied Standards

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

Test standards:

FCC CFR47 Part 27 (2020)

FCC CFR47 Part 2 (2020)

Reference standard:

ANSI C63.26 (2015)

KDB 971168 D01 Power Meas License Digital Systems v03r01

4 Test Configuration

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 (X axis, vertical polarization for WCDMA Band (Main Antenna); X axis, horizontal polarization for LTE Band (Main Antenna); Z axis, horizontal polarization for WCDMA/LTE Band (Second Antenna)) and the worst case was recorded.

All mode and data rates and positions and RB size and modulations were investigated.
Subsequently, only the worst case emissions are reported.
The following testing in WCDMA/LTE is set based on the maximum RF Output Power.
The following testing in different Bandwidth is set to detailin the following table:
Test modes are chosen to be reported as the worst case configuration below:

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

Test modes are chosen to be reported as the worst case configuration below for LTE Band 4/7/12/13/17/38/41/66:

Test items	Modes	Bandwidth (MHz)						Modulation		RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM/ 64QAM	1	50%	100%	L	M	H
RF Power Output and Effective Isotropic Radiated Power	LTE 4	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	O	O	O	O	O	O
	LTE 12	O	O	O	O	-	-	O	O	O	O	O	O	O	O
	LTE 13	-	-	O	O	-	-	O	O	O	O	O	O	O	O
	LTE 17	-	-	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
	LTE 66	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Occupied Bandwidth	LTE 4	O	O	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 7	-	-	O	O	O	O	O	O	-	-	O	O	O	O
	LTE 12	O	O	O	O	-	-	O	O	-	-	O	O	O	O
	LTE 13	-	-	O	O	-	-	O	O	-	-	O	O	O	O
	LTE 17	-	-	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
	LTE 66	O	O	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 12	O	O	O	O	-	-	O	O	O	-	O	O	-	O
	LTE 13	-	-	O	O	-	-	O	O	O	-	O	O	-	O
	LTE 17	-	-	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
	LTE 66	O	O	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 12	O	O	O	O	-	-	O	O	-	-	O	O	O	O
	LTE 13	-	-	O	O	-	-	O	O	-	-	O	O	O	O
	LTE 17	-	-	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
	LTE 66	O	O	O	O	O	O	O	O	-	-	O	O	O	O
Frequency Stability	LTE 4	O	O	O	O	O	O	O	O	O	-	-	-	O	-
	LTE 7	-	-	O	O	O	O	O	O	O	-	-	-	O	-
	LTE 12	O	O	O	O	-	-	O	O	O	-	-	-	O	-
	LTE 13	-	-	O	O	-	-	O	O	O	-	-	-	O	-
	LTE 17	-	-	O	O	-	-	O	O	O	-	-	-	O	-

	LTE 38	-	-	O	O	O	O	O	O	O	-	-	-	O	-
	LTE 41	-	-	O	O	O	O	O	O	O	-	-	-	O	-
	LTE 66	O	O	O	O	O	O	O	O	O	-	-	-	O	-
Spurious Emissions at Antenna Terminals	LTE 4	O	O	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 7	-	-	O	O	O	O	O	-	O	-	-	O	O	O
	LTE 12	O	O	O	O	-	-	O	-	O	-	-	O	O	O
	LTE 13	-	-	O	O	-	-	O	-	O	-	-	O	O	O
	LTE 17	-	-	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
	LTE 66	O	O	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 12	O	-	O	O	-	-	O	-	O	-	-	-	O	-
	LTE 13	-	-	O	O	-	-	O	-	O	-	-	-	O	-
	LTE 17	-	-	O	O	-	-	O	-	O	-	-	-	O	-
	LTE 38	-	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 41	-	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 66	O	-	O	-	-	O	O	-	O	-	-	-	O	-
Note	1. The mark “O” means that this configuration is chosen for testing. 2. The mark “-” means that this configuration is not testing.														

5 Test Case Results

5.1 RF Power Output and Effective Isotropic Radiated Power

Ambient condition

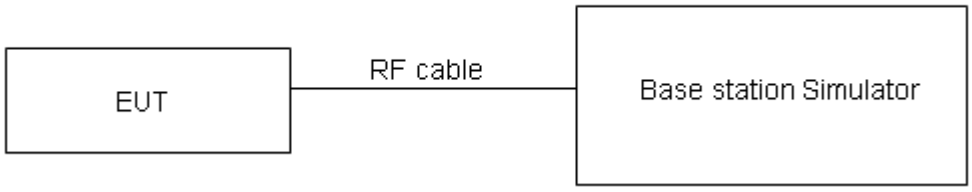
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

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

ERP can then be calculated as follows:
EIRP (dBm) = Output Power (dBm) - Losses (dB) + Antenna Gain (dBi)
where:dBd refers to gain relative to an ideal dipole.
EIRP (dBm) = ERP (dBm) + 2.15 (dB.)

Test Setup



Limits

No specific RF power output requirements in part 2.1046.

Rule Part 27.50(b) (10) specifies that “Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP”
Rule Part 27.50(c) (10) specifies that “Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP”
Rule Part 27.50(d) (4) specifies that “Fixed, mobile and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP”
Rule Part 27.50(h) (2) specifies that “Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.”

Part 27.50(b)(10)Limit	⩽ 3 W (34.77 dBm)
Part 27.50(c)(10)Limit	⩽ 3 W (34.77 dBm)
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)			Main Antenna EIRP (dBm)			Second Antenna EIRP (dBm)		
		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)	Channel 1312	Channel 1413	Channel 1513	Channel 1312	Channel 1413	Channel 1513
RMC		21.47	21.67	21.56	19.51	19.71	19.60	17.85	18.05	17.94
AMR		21.57	21.53	21.44	19.61	19.57	19.48	17.95	17.91	17.82
HSDPA	Sub - Test 1	20.41	20.65	20.54	18.45	18.69	18.58	16.79	17.03	16.92
	Sub - Test 2	20.57	20.73	20.44	18.61	18.77	18.48	16.95	17.11	16.82
	Sub - Test 3	20.03	20.27	19.96	18.07	18.31	18.00	16.41	16.65	16.34
	Sub - Test 4	19.89	20.15	20.04	17.93	18.19	18.08	16.27	16.53	16.42
HSUPA	Sub - Test 1	19.99	20.21	20.02	18.03	18.25	18.06	16.37	16.59	16.40
	Sub - Test 2	18.35	18.67	18.64	16.39	16.71	16.68	14.73	15.05	15.02
	Sub - Test 3	19.41	19.73	19.40	17.45	17.77	17.44	15.79	16.11	15.78
	Sub - Test 4	18.01	18.11	17.90	16.05	16.15	15.94	14.39	14.49	14.28
	Sub - Test 5	19.39	19.77	19.46	17.43	17.81	17.50	15.77	16.15	15.84
DC-HSDPA	Sub - Test 1	20.61	20.53	20.62	18.65	18.57	18.66	16.99	16.91	17.00
	Sub - Test 2	20.41	20.83	20.52	18.45	18.87	18.56	16.79	17.21	16.90
	Sub - Test 3	19.89	20.09	20.14	17.93	18.13	18.18	16.27	16.47	16.52
	Sub - Test 4	20.09	20.03	20.04	18.13	18.07	18.08	16.47	16.41	16.42

LTE Band 4				Maximum Output Power(dBm)			Main Antenna EIRP (dBm)			Second Antenna EIRP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				19957/ 1710.7	20175/ 1732.5	20393/ 1754.3	19957/ 1710.7	20175/ 1732.5	20393/ 1754.3	19957/ 1710.7	20175/ 1732.5	20393/ 1754.3
1.4MHz	QPSK	1	0	21.83	21.66	21.84	19.87	19.70	19.88	19.92	19.75	19.93
		1	2	21.76	21.50	22.01	19.80	19.54	20.05	19.85	19.59	20.10
		1	5	21.72	21.74	21.77	19.76	19.78	19.81	19.81	19.83	19.86
		3	0	22.25	21.59	21.97	20.29	19.63	20.01	20.34	19.68	20.06
		3	2	21.68	21.98	21.94	19.72	20.02	19.98	19.77	20.07	20.03
		3	3	21.76	21.97	21.95	19.80	20.01	19.99	19.85	20.06	20.04
		6	0	20.92	20.93	20.93	18.96	18.97	18.97	19.01	19.02	19.02
	16QAM	1	0	20.84	21.06	20.94	18.88	19.10	18.98	18.93	19.15	19.03
		1	2	20.82	20.79	21.22	18.86	18.83	19.26	18.91	18.88	19.31
		1	5	20.08	20.98	20.70	18.12	19.02	18.74	18.17	19.07	18.79
		3	0	21.28	20.67	20.82	19.32	18.71	18.86	19.37	18.76	18.91
		3	2	20.74	20.75	20.68	18.78	18.79	18.72	18.83	18.84	18.77
		3	3	20.82	20.90	20.85	18.86	18.94	18.89	18.91	18.99	18.94
		6	0	19.78	19.93	19.98	17.82	17.97	18.02	17.87	18.02	18.07
	64QAM	1	0	20.55	20.82	20.82	18.59	18.86	18.86	18.64	18.91	18.91
		1	2	20.85	20.62	20.78	18.89	18.66	18.82	18.94	18.71	18.87
		1	5	19.87	20.84	20.74	17.91	18.88	18.78	17.96	18.93	18.83
		3	0	20.71	20.62	20.68	18.75	18.66	18.72	18.80	18.71	18.77
		3	2	20.76	20.63	20.77	18.80	18.67	18.81	18.85	18.72	18.86
		3	3	20.73	20.76	20.71	18.77	18.80	18.75	18.82	18.85	18.80
		6	0	19.74	19.82	19.84	17.78	17.86	17.88	17.83	17.91	17.93
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				19965/ 1711.5	20175/ 1732.5	20385/ 1753.5	19965/ 1711.5	20175/ 1732.5	20385/ 1753.5	19965/ 1711.5	20175/ 1732.5	20385/ 1753.5
3MHz	QPSK	1	0	21.85	21.70	21.87	19.87	19.70	19.88	19.94	19.79	19.96
		1	7	21.74	21.53	22.05	19.80	19.54	20.05	19.83	19.62	20.14
		1	14	21.75	21.79	21.81	19.76	19.78	19.81	19.84	19.88	19.90
		8	0	21.35	20.71	21.10	20.29	19.63	20.01	19.44	18.80	19.19
		8	4	20.80	21.08	21.06	19.72	20.02	19.98	18.89	19.17	19.15
		8	7	20.86	21.08	21.05	19.80	20.01	19.99	18.95	19.17	19.14
		15	0	20.92	20.97	20.96	18.96	18.97	18.97	19.01	19.06	19.05

	16QAM	1	0	20.87	21.08	20.97	18.88	19.10	18.98	18.96	19.17	19.06
		1	7	20.85	20.79	21.26	18.86	18.83	19.26	18.94	18.88	19.35
		1	14	20.10	21.02	20.73	18.12	19.02	18.74	18.19	19.11	18.82
		8	0	20.39	19.80	19.94	19.32	18.71	18.86	18.48	17.89	18.03
		8	4	19.85	19.88	19.80	18.78	18.79	18.72	17.94	17.97	17.89
		8	7	19.92	20.02	19.98	18.86	18.94	18.89	18.01	18.11	18.07
		15	0	19.81	19.97	20.01	17.82	17.97	18.02	17.90	18.06	18.10
	64QAM	1	0	20.58	20.84	20.85	18.59	18.86	18.86	18.67	18.93	18.94
		1	7	20.88	20.62	20.80	18.89	18.66	18.82	18.97	18.71	18.89
		1	14	19.89	20.83	20.77	17.91	18.88	18.78	17.98	18.92	18.86
		8	0	19.82	19.75	19.80	18.75	18.66	18.72	17.91	17.84	17.89
		8	4	19.87	19.76	19.89	18.80	18.67	18.81	17.96	17.85	17.98
		8	7	19.83	19.88	19.84	18.77	18.80	18.75	17.92	17.97	17.93
		15	0	19.77	19.86	19.87	17.78	17.86	17.88	17.86	17.95	17.96
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				19975/ 1712.5	20175/ 1732.5	20375/ 1752.5	19975/ 1712.5	20175/ 1732.5	20375/ 1752.5	19975/ 1712.5	20175/ 1732.5	20375/ 1752.5
5MHz	QPSK	1	0	21.82	21.68	21.83	19.86	19.72	19.87	19.91	19.77	19.92
		1	13	21.72	21.49	22.02	19.76	19.53	20.06	19.81	19.58	20.11
		1	24	21.72	21.74	21.77	19.76	19.78	19.81	19.81	19.83	19.86
		12	0	21.32	20.66	21.06	19.36	18.70	19.10	19.41	18.75	19.15
		12	6	20.78	21.04	21.01	18.82	19.08	19.05	18.87	19.13	19.10
		12	13	20.84	21.06	21.01	18.88	19.10	19.05	18.93	19.15	19.10
		25	0	20.92	20.96	20.94	18.96	19.00	18.98	19.01	19.05	19.03
	16QAM	1	0	20.84	21.04	20.94	18.88	19.08	18.98	18.93	19.13	19.03
		1	13	20.82	20.77	21.23	18.86	18.81	19.27	18.91	18.86	19.32
		1	24	20.07	21.00	20.69	18.11	19.04	18.73	18.16	19.09	18.78
		12	0	20.37	19.76	19.91	18.41	17.80	17.95	18.46	17.85	18.00
		12	6	19.82	19.83	19.76	17.86	17.87	17.80	17.91	17.92	17.85
		12	13	19.89	19.97	19.94	17.93	18.01	17.98	17.98	18.06	18.03
		25	0	19.79	19.93	19.96	17.83	17.97	18.00	17.88	18.02	18.05
	64QAM	1	0	20.55	20.84	20.82	18.59	18.88	18.86	18.64	18.93	18.91
		1	13	20.85	20.64	20.77	18.89	18.68	18.81	18.94	18.73	18.86
		1	24	19.90	20.81	20.73	17.94	18.85	18.77	17.99	18.90	18.82
		12	0	19.80	19.71	19.81	17.84	17.75	17.85	17.89	17.80	17.90
		12	6	19.84	19.71	19.85	17.88	17.75	17.89	17.93	17.80	17.94
		12	13	19.80	19.83	19.80	17.84	17.87	17.84	17.89	17.92	17.89

		25	0	19.75	19.82	19.82	17.79	17.86	17.86	17.84	17.91	17.91
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20000/ 1715	20175/ 1732.5	20350/ 1750	20000/ 1715	20175/ 1732.5	20350/ 1750	20000/ 1715	20175/ 1732.5	20350/ 1750
10MHz	QPSK	1	0	21.84	21.69	21.86	19.88	19.73	19.90	19.93	19.78	19.95
		1	25	21.75	21.54	22.06	19.79	19.58	20.10	19.84	19.63	20.15
		1	49	21.74	21.78	21.80	19.78	19.82	19.84	19.83	19.87	19.89
		25	0	21.35	20.71	21.10	19.39	18.75	19.14	19.44	18.80	19.19
		25	13	20.81	21.09	21.05	18.85	19.13	19.09	18.90	19.18	19.14
		25	25	20.86	21.10	21.06	18.90	19.14	19.10	18.95	19.19	19.15
		50	0	20.96	20.98	20.98	19.00	19.02	19.02	19.05	19.07	19.07
	16QAM	1	0	20.86	21.07	20.96	18.90	19.11	19.00	18.95	19.16	19.05
		1	25	20.85	20.81	21.26	18.89	18.85	19.30	18.94	18.90	19.35
		1	49	20.10	21.02	20.72	18.14	19.06	18.76	18.19	19.11	18.81
		25	0	20.40	19.81	19.95	18.44	17.85	17.99	18.49	17.90	18.04
		25	13	19.84	19.87	19.79	17.88	17.91	17.83	17.93	17.96	17.88
		25	25	19.92	20.02	19.98	17.96	18.06	18.02	18.01	18.11	18.07
		50	0	19.82	19.98	20.00	17.86	18.02	18.04	17.91	18.07	18.09
	64QAM	1	0	20.57	20.83	20.84	18.61	18.87	18.88	18.66	18.92	18.93
		1	25	20.88	20.64	20.80	18.92	18.68	18.84	18.97	18.73	18.89
		1	49	19.89	20.83	20.76	17.93	18.87	18.80	17.98	18.92	18.85
		25	0	19.83	19.76	19.81	17.87	17.80	17.85	17.92	17.85	17.90
		25	13	19.86	19.75	19.88	17.90	17.79	17.92	17.95	17.84	17.97
		25	25	19.83	19.88	19.84	17.87	17.92	17.88	17.92	17.97	17.93
		50	0	19.78	19.87	19.86	17.82	17.91	17.90	17.87	17.96	17.95
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20025/ 1717.5	20175/ 1732.5	20325/ 1747.5	20025/ 1717.5	20175/ 1732.5	20325/ 1747.5	20025/ 1717.5	20175/ 1732.5	20325/ 1747.5
15MHz	QPSK	1	0	21.83	21.65	21.84	19.87	19.69	19.88	19.92	19.74	19.93
		1	38	21.73	21.53	22.03	19.77	19.57	20.07	19.82	19.62	20.12
		1	74	21.71	21.73	21.76	19.75	19.77	19.80	19.80	19.82	19.85
		36	0	21.33	20.67	21.07	19.37	18.71	19.11	19.42	18.76	19.16
		36	18	20.78	21.04	21.01	18.82	19.08	19.05	18.87	19.13	19.10
		36	39	20.83	21.07	21.02	18.87	19.11	19.06	18.92	19.16	19.11
		75	0	20.94	20.94	20.93	18.98	18.98	18.97	19.03	19.03	19.02
	16QAM	1	0	20.81	21.05	20.94	18.85	19.09	18.98	18.90	19.14	19.03
		1	38	20.83	20.78	21.24	18.87	18.82	19.28	18.92	18.87	19.33

		1	74	20.07	20.98	20.69	18.11	19.02	18.73	18.16	19.07	18.78
		36	0	20.37	19.79	19.92	18.41	17.83	17.96	18.46	17.88	18.01
		36	18	19.81	19.82	19.75	17.85	17.86	17.79	17.90	17.91	17.84
		36	39	19.90	19.98	19.95	17.94	18.02	17.99	17.99	18.07	18.04
		75	0	19.79	19.93	19.96	17.83	17.97	18.00	17.88	18.02	18.05
	64QAM	1	0	20.52	20.81	20.82	18.56	18.85	18.86	18.61	18.90	18.91
		1	38	20.86	20.61	20.78	18.90	18.65	18.82	18.95	18.70	18.87
		1	74	19.90	20.82	20.77	17.94	18.86	18.81	17.99	18.91	18.86
		36	0	19.82	19.78	19.82	17.86	17.82	17.86	17.91	17.87	17.91
		36	18	19.84	19.72	19.87	17.88	17.76	17.91	17.93	17.81	17.96
		36	39	19.81	19.84	19.81	17.85	17.88	17.85	17.90	17.93	17.90
		75	0	19.75	19.82	19.82	17.79	17.86	17.86	17.84	17.91	17.91
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20050/ 1720	20175/ 1732.5	20300/ 1745	20050/ 1720	20175/ 1732.5	20300/ 1745	20050/ 1720	20175/ 1732.5	20300/ 1745
20MHz	QPSK	1	0	21.80	21.61	21.81	19.84	19.65	19.85	19.89	19.70	19.90
		1	50	21.72	21.49	22.01	19.76	19.53	20.05	19.81	19.58	20.10
		1	99	21.69	21.72	21.73	19.73	19.76	19.77	19.78	19.81	19.82
		50	0	21.30	20.62	21.03	19.34	18.66	19.07	19.39	18.71	19.12
		50	25	20.76	21.00	20.98	18.80	19.04	19.02	18.85	19.09	19.07
		50	50	20.80	21.02	20.98	18.84	19.06	19.02	18.89	19.11	19.07
		100	0	20.91	20.89	20.89	18.95	18.93	18.93	19.00	18.98	18.98
	16QAM	1	0	20.68	21.01	20.89	18.72	19.05	18.93	18.77	19.10	18.98
		1	50	20.79	20.76	21.20	18.83	18.80	19.24	18.88	18.85	19.29
		1	99	20.05	20.95	20.67	18.09	18.99	18.71	18.14	19.04	18.76
		50	0	20.34	19.75	19.89	18.38	17.79	17.93	18.43	17.84	17.98
		50	25	19.78	19.80	19.72	17.82	17.84	17.76	17.87	17.89	17.81
		50	50	19.87	19.93	19.91	17.91	17.97	17.95	17.96	18.02	18.00
		100	0	19.77	19.89	19.93	17.81	17.93	17.97	17.86	17.98	18.02
	64QAM	1	0	20.50	20.77	20.77	18.54	18.81	18.81	18.59	18.86	18.86
		1	50	20.82	20.59	20.74	18.86	18.63	18.78	18.91	18.68	18.83
		1	99	19.84	20.76	20.71	17.88	18.80	18.75	17.93	18.85	18.80
		50	0	19.77	19.70	19.75	17.81	17.74	17.79	17.86	17.79	17.84
		50	25	19.80	19.68	19.81	17.84	17.72	17.85	17.89	17.77	17.90
		50	50	19.78	19.79	19.77	17.82	17.83	17.81	17.87	17.88	17.86
		100	0	19.73	19.78	19.79	17.77	17.82	17.83	17.82	17.87	17.88

LTE Band 7				Maximum Output Power(dBm)			Main Antenna EIRP (dBm)			Second Antenna EIRP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20775/ 2502.5	21100/ 2535	21425/ 2567.5	20775/ 2502.5	21100/ 2535	21425/ 2567.5	20775/ 2502.5	21100/ 2535	21425/ 2567.5
5MHz	QPSK	1	0	20.29	20.40	20.39	19.59	19.70	19.69	18.74	18.85	18.84
		1	13	19.97	19.67	20.38	19.27	18.97	19.68	18.42	18.12	18.83
		1	24	19.93	19.61	19.86	19.23	18.91	19.16	18.38	18.06	18.31
		12	0	20.15	20.18	20.12	19.45	19.48	19.42	18.60	18.63	18.57
		12	6	20.06	19.95	20.27	19.36	19.25	19.57	18.51	18.40	18.72
		12	13	19.99	20.04	20.19	19.29	19.34	19.49	18.44	18.49	18.64
		25	0	20.17	20.06	20.26	19.47	19.36	19.56	18.62	18.51	18.71
	16QAM	1	0	20.86	20.40	20.50	20.16	19.70	19.80	19.31	18.85	18.95
		1	13	20.84	20.35	20.96	20.14	19.65	20.26	19.29	18.80	19.41
		1	24	20.50	20.05	20.44	19.80	19.35	19.74	18.95	18.50	18.89
		12	0	20.18	20.03	20.16	19.48	19.33	19.46	18.63	18.48	18.61
		12	6	20.12	19.96	20.26	19.42	19.26	19.56	18.57	18.41	18.71
		12	13	20.07	20.04	20.28	19.37	19.34	19.58	18.52	18.49	18.73
		25	0	20.17	20.01	20.23	19.47	19.31	19.53	18.62	18.46	18.68
	64QAM	1	0	20.28	20.38	20.29	19.58	19.68	19.59	18.73	18.83	18.74
		1	13	19.93	20.04	20.30	19.23	19.34	19.60	18.38	18.49	18.75
		1	24	19.63	19.98	19.79	18.93	19.28	19.09	18.08	18.43	18.24
		12	0	19.66	19.76	19.58	18.96	19.06	18.88	18.11	18.21	18.03
		12	6	19.72	19.69	19.70	19.02	18.99	19.00	18.17	18.14	18.15
		12	13	19.66	19.47	19.71	18.96	18.77	19.01	18.11	17.92	18.16
		25	0	19.73	19.56	19.69	19.03	18.86	18.99	18.18	18.01	18.14
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20800/ 2505	21100/ 2535	21400/ 2565	20800/ 2505	21100/ 2535	21400/ 2565	20800/ 2505	21100/ 2535	21400/ 2565
10MHz	QPSK	1	0	20.31	20.41	20.42	19.61	19.71	19.72	18.76	18.86	18.87
		1	25	20.00	19.72	20.42	19.30	19.02	19.72	18.45	18.17	18.87
		1	49	19.95	19.65	19.89	19.25	18.95	19.19	18.40	18.10	18.34
		25	0	20.18	20.23	20.16	19.48	19.53	19.46	18.63	18.68	18.61
		25	13	20.09	20.00	20.31	19.39	19.30	19.61	18.54	18.45	18.76
		25	25	20.01	20.08	20.24	19.31	19.38	19.54	18.46	18.53	18.69
		50	0	20.21	20.08	20.30	19.51	19.38	19.60	18.66	18.53	18.75
	16QAM	1	0	20.88	20.43	20.52	20.18	19.73	19.82	19.33	18.88	18.97

		1	25	20.87	20.39	20.99	20.17	19.69	20.29	19.32	18.84	19.44
		1	49	20.53	20.07	20.47	19.83	19.37	19.77	18.98	18.52	18.92
		25	0	20.21	20.08	20.20	19.51	19.38	19.50	18.66	18.53	18.65
		25	13	20.14	20.00	20.29	19.44	19.30	19.59	18.59	18.45	18.74
		25	25	20.10	20.09	20.32	19.40	19.39	19.62	18.55	18.54	18.77
		50	0	20.20	20.06	20.27	19.50	19.36	19.57	18.65	18.51	18.72
	64QAM	1	0	20.30	20.37	20.31	19.60	19.67	19.61	18.75	18.82	18.76
		1	25	19.96	20.04	20.33	19.26	19.34	19.63	18.41	18.49	18.78
		1	49	19.62	20.00	19.82	18.92	19.30	19.12	18.07	18.45	18.27
		25	0	19.69	19.81	19.58	18.99	19.11	18.88	18.14	18.26	18.03
		25	13	19.74	19.73	19.73	19.04	19.03	19.03	18.19	18.18	18.18
		25	25	19.69	19.52	19.75	18.99	18.82	19.05	18.14	17.97	18.20
		50	0	19.76	19.61	19.73	19.06	18.91	19.03	18.21	18.06	18.18
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20825/ 2507.5	21100/ 2535	21375/ 2562.5	20825/ 2507.5	21100/ 2535	21375/ 2562.5	20825/ 2507.5	21100/ 2535	21375/ 2562.5
15MHz	QPSK	1	0	20.30	20.37	20.40	19.60	19.67	19.70	18.75	18.82	18.85
		1	38	19.98	19.71	20.39	19.28	19.01	19.69	18.43	18.16	18.84
		1	74	19.92	19.60	19.85	19.22	18.90	19.15	18.37	18.05	18.30
		36	0	20.16	20.19	20.13	19.46	19.49	19.43	18.61	18.64	18.58
		36	18	20.06	19.95	20.27	19.36	19.25	19.57	18.51	18.40	18.72
		36	39	19.98	20.05	20.20	19.28	19.35	19.50	18.43	18.50	18.65
		75	0	20.19	20.04	20.25	19.49	19.34	19.55	18.64	18.49	18.70
	16QAM	1	0	20.83	20.41	20.50	20.13	19.71	19.80	19.28	18.86	18.95
		1	38	20.85	20.36	20.97	20.15	19.66	20.27	19.30	18.81	19.42
		1	74	20.50	20.03	20.44	19.80	19.33	19.74	18.95	18.48	18.89
		36	0	20.18	20.06	20.17	19.48	19.36	19.47	18.63	18.51	18.62
		36	18	20.11	19.95	20.25	19.41	19.25	19.55	18.56	18.40	18.70
		36	39	20.08	20.05	20.29	19.38	19.35	19.59	18.53	18.50	18.74
		75	0	20.17	20.01	20.23	19.47	19.31	19.53	18.62	18.46	18.68
	64QAM	1	0	20.25	20.35	20.29	19.55	19.65	19.59	18.70	18.80	18.74
		1	38	19.94	20.01	20.31	19.24	19.31	19.61	18.39	18.46	18.76
		1	74	19.63	19.99	19.83	18.93	19.29	19.13	18.08	18.44	18.28
		36	0	19.68	19.83	19.59	18.98	19.13	18.89	18.13	18.28	18.04
		36	18	19.72	19.70	19.72	19.02	19.00	19.02	18.17	18.15	18.17
		36	39	19.67	19.48	19.72	18.97	18.78	19.02	18.12	17.93	18.17
		75	0	19.73	19.56	19.69	19.03	18.86	18.99	18.18	18.01	18.14

BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				20850/2510	21100/2535	21350/2560	20850/2510	21100/2535	21350/2560	20850/2510	21100/2535	21350/2560
20MHz	QPSK	1	0	20.27	20.33	20.38	19.57	19.63	19.68	18.72	18.78	18.83
		1	50	19.97	19.67	20.37	19.27	18.97	19.67	18.42	18.12	18.82
		1	99	19.90	19.59	19.82	19.20	18.89	19.12	18.35	18.04	18.27
		50	0	20.13	20.14	20.09	19.43	19.44	19.39	18.58	18.59	18.54
		50	25	20.04	19.91	20.24	19.34	19.21	19.54	18.49	18.36	18.69
		50	50	19.95	20.00	20.16	19.25	19.30	19.46	18.40	18.45	18.61
		100	0	20.16	19.99	20.21	19.46	19.29	19.51	18.61	18.44	18.66
	16QAM	1	0	20.58	20.37	20.45	19.88	19.67	19.75	19.03	18.82	18.90
		1	50	20.81	20.34	20.93	20.11	19.64	20.23	19.26	18.79	19.38
		1	99	20.48	20.00	20.42	19.78	19.30	19.72	18.93	18.45	18.87
		50	0	20.15	20.02	20.14	19.45	19.32	19.44	18.60	18.47	18.59
		50	25	20.08	19.93	20.22	19.38	19.23	19.52	18.53	18.38	18.67
		50	50	20.05	20.00	20.25	19.35	19.30	19.55	18.50	18.45	18.70
		100	0	20.15	19.97	20.20	19.45	19.27	19.50	18.60	18.42	18.65
	64QAM	1	0	20.23	20.31	20.24	19.53	19.61	19.54	18.68	18.76	18.69
		1	50	19.90	19.99	20.27	19.20	19.29	19.57	18.35	18.44	18.72
		1	99	19.57	19.93	19.77	18.87	19.23	19.07	18.02	18.38	18.22
		50	0	19.63	19.75	19.52	18.93	19.05	18.82	18.08	18.20	17.97
		50	25	19.68	19.66	19.66	18.98	18.96	18.96	18.13	18.11	18.11
		50	50	19.64	19.43	19.68	18.94	18.73	18.98	18.09	17.88	18.13
		100	0	19.71	19.52	19.66	19.01	18.82	18.96	18.16	17.97	18.11

LTE Band 12				**Maximum Output Power(dBm)**			**Main Antenna ERP (dBm)**			**Second Antenna ERP (dBm)**		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				23017/699.7	23095/707.5	23173/715.3	23017/699.7	23095/707.5	23173/715.3	23017/699.7	23095/707.5	23173/715.3
1.4MHz	QPSK	1	0	23.77	23.29	24.24	15.38	14.90	15.85	12.70	12.22	13.17
		1	2	23.89	24.07	23.88	15.50	15.68	15.49	12.82	13.00	12.81
		1	5	24.11	24.02	23.97	15.72	15.63	15.58	13.04	12.95	12.90
		3	0	24.05	24.01	23.96	15.66	15.62	15.57	12.98	12.94	12.89
		3	2	23.89	23.97	23.90	15.50	15.58	15.51	12.82	12.90	12.83
		3	3	24.02	24.01	23.98	15.63	15.62	15.59	12.95	12.94	12.91
		6	0	23.08	23.06	23.01	14.69	14.67	14.62	12.01	11.99	11.94
	16QAM	1	0	23.41	22.85	22.91	15.02	14.46	14.52	12.34	11.78	11.84

		1	2	23.39	23.37	23.41	15.00	14.98	15.02	12.32	12.30	12.34
		1	5	23.63	23.60	23.67	15.24	15.21	15.28	12.56	12.53	12.60
		3	0	23.00	22.94	23.01	14.61	14.55	14.62	11.93	11.87	11.94
		3	2	22.93	22.90	22.98	14.54	14.51	14.59	11.86	11.83	11.91
		3	3	22.94	22.91	22.97	14.55	14.52	14.58	11.87	11.84	11.90
		6	0	21.94	21.93	22.03	13.55	13.54	13.64	10.87	10.86	10.96
	64QAM	1	0	22.02	21.98	22.04	13.63	13.59	13.65	10.95	10.91	10.97
		1	2	21.90	21.88	21.94	13.51	13.49	13.55	10.83	10.81	10.87
		1	5	21.90	21.89	21.91	13.51	13.50	13.52	10.83	10.82	10.84
		3	0	21.78	21.68	21.75	13.39	13.29	13.36	10.71	10.61	10.68
		3	2	21.80	21.75	21.83	13.41	13.36	13.44	10.73	10.68	10.76
		3	3	21.86	21.83	21.89	13.47	13.44	13.50	10.79	10.76	10.82
		6	0	20.82	20.81	20.91	12.43	12.42	12.52	9.75	9.74	9.84
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				23025/ 700.5	23095/ 707.5	23165/ 714.5	23025/ 700.5	23095/ 707.5	23165/ 714.5	23025/ 700.5	23095/ 707.5	23165/ 714.5
3MHz	QPSK	1	0	23.79	23.33	24.27	15.40	14.94	15.88	12.72	12.26	13.20
		1	7	23.87	24.10	23.92	15.48	15.71	15.53	12.80	13.03	12.85
		1	14	24.14	24.07	24.01	15.75	15.68	15.62	13.07	13.00	12.94
		8	0	23.15	23.13	23.09	14.76	14.74	14.70	12.08	12.06	12.02
		8	4	23.01	23.07	23.02	14.62	14.68	14.63	11.94	12.00	11.95
		8	7	23.12	23.12	23.08	14.73	14.73	14.69	12.05	12.05	12.01
		15	0	23.08	23.10	23.04	14.69	14.71	14.65	12.01	12.03	11.97
	16QAM	1	0	23.44	22.87	22.94	15.05	14.48	14.55	12.37	11.80	11.87
		1	7	23.42	23.37	23.45	15.03	14.98	15.06	12.35	12.30	12.38
		1	14	23.65	23.64	23.70	15.26	15.25	15.31	12.58	12.57	12.63
		8	0	22.11	22.07	22.13	13.72	13.68	13.74	11.04	11.00	11.06
		8	4	22.04	22.03	22.10	13.65	13.64	13.71	10.97	10.96	11.03
		8	7	22.04	22.03	22.10	13.65	13.64	13.71	10.97	10.96	11.03
		15	0	21.97	21.97	22.06	13.58	13.58	13.67	10.90	10.90	10.99
	64QAM	1	0	22.05	22.00	22.07	13.66	13.61	13.68	10.98	10.93	11.00
		1	7	21.93	21.88	21.96	13.54	13.49	13.57	10.86	10.81	10.89
		1	14	21.92	21.88	21.94	13.53	13.49	13.55	10.85	10.81	10.87
		8	0	20.89	20.81	20.87	12.50	12.42	12.48	9.82	9.74	9.80
		8	4	20.91	20.88	20.95	12.52	12.49	12.56	9.84	9.81	9.88
		8	7	20.96	20.95	21.02	12.57	12.56	12.63	9.89	9.88	9.95
		15	0	20.85	20.85	20.94	12.46	12.46	12.55	9.78	9.78	9.87

BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				23035/ 701.5	23095/ 707.5	23155/ 713.5	23035/ 701.5	23095/ 707.5	23155/ 713.5	23035/ 701.5	23095/ 707.5	23155/ 713.5
5MHz	QPSK	1	0	23.76	23.31	24.23	15.37	14.92	15.84	12.69	12.24	13.16
		1	13	23.85	24.06	23.89	15.46	15.67	15.50	12.78	12.99	12.82
		1	24	24.11	24.02	23.97	15.72	15.63	15.58	13.04	12.95	12.90
		12	0	23.12	23.08	23.05	14.73	14.69	14.66	12.05	12.01	11.98
		12	6	22.99	23.03	22.97	14.60	14.64	14.58	11.92	11.96	11.90
		12	13	23.10	23.10	23.04	14.71	14.71	14.65	12.03	12.03	11.97
		25	0	23.08	23.09	23.02	14.69	14.70	14.63	12.01	12.02	11.95
	16QAM	1	0	23.41	22.83	22.91	15.02	14.44	14.52	12.34	11.76	11.84
		1	13	23.39	23.35	23.42	15.00	14.96	15.03	12.32	12.28	12.35
		1	24	23.62	23.62	23.66	15.23	15.23	15.27	12.55	12.55	12.59
		12	0	22.09	22.03	22.10	13.70	13.64	13.71	11.02	10.96	11.03
		12	6	22.01	21.98	22.06	13.62	13.59	13.67	10.94	10.91	10.99
		12	13	22.01	21.98	22.06	13.62	13.59	13.67	10.94	10.91	10.99
		25	0	21.95	21.93	22.01	13.56	13.54	13.62	10.88	10.86	10.94
	64QAM	1	0	22.02	22.00	22.04	13.63	13.61	13.65	10.95	10.93	10.97
		1	13	21.90	21.90	21.93	13.51	13.51	13.54	10.83	10.83	10.86
		1	24	21.93	21.86	21.90	13.54	13.47	13.51	10.86	10.79	10.83
		12	0	20.87	20.77	20.88	12.48	12.38	12.49	9.80	9.70	9.81
		12	6	20.88	20.83	20.91	12.49	12.44	12.52	9.81	9.76	9.84
		12	13	20.93	20.90	20.98	12.54	12.51	12.59	9.86	9.83	9.91
		25	0	20.83	20.81	20.89	12.44	12.42	12.50	9.76	9.74	9.82

BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				23060/ 704	23095/ 707.5	23130/ 711	23060/ 704	23095/ 707.5	23130/ 711	23060/ 704	23095/ 707.5	23130/ 711
10MHz	QPSK	1	0	23.74	23.24	24.21	15.35	14.85	15.82	12.67	12.17	13.14
		1	25	23.85	24.06	23.88	15.46	15.67	15.49	12.78	12.99	12.81
		1	49	24.08	24.00	23.93	15.69	15.61	15.54	13.01	12.93	12.86
		25	0	23.10	23.04	23.02	14.71	14.65	14.63	12.03	11.97	11.95
		25	13	22.97	22.99	22.94	14.58	14.60	14.55	11.90	11.92	11.87
		25	25	23.06	23.06	23.01	14.67	14.67	14.62	11.99	11.99	11.94
		50	0	23.07	23.02	22.97	14.68	14.63	14.58	12.00	11.95	11.90
	16QAM	1	0	22.84	22.80	22.86	14.45	14.41	14.47	11.77	11.73	11.79
		1	25	23.36	23.34	23.39	14.97	14.95	15.00	12.29	12.27	12.32
		1	49	23.60	23.57	23.64	15.21	15.18	15.25	12.53	12.50	12.57

		25	0	22.06	22.02	22.08	13.67	13.63	13.69	10.99	10.95	11.01
		25	13	21.97	21.95	22.02	13.58	13.56	13.63	10.90	10.88	10.95
		25	25	21.99	21.94	22.03	13.60	13.55	13.64	10.92	10.87	10.96
		50	0	21.93	21.89	21.98	13.54	13.50	13.59	10.86	10.82	10.91
	64QAM	1	0	21.97	21.93	21.99	13.58	13.54	13.60	10.90	10.86	10.92
		1	25	21.87	21.85	21.90	13.48	13.46	13.51	10.80	10.78	10.83
		1	49	21.87	21.81	21.88	13.48	13.42	13.49	10.80	10.74	10.81
		25	0	20.84	20.76	20.82	12.45	12.37	12.43	9.77	9.69	9.75
		25	13	20.84	20.80	20.87	12.45	12.41	12.48	9.77	9.73	9.80
		25	25	20.91	20.86	20.95	12.52	12.47	12.56	9.84	9.79	9.88
		50	0	20.81	20.77	20.86	12.42	12.38	12.47	9.74	9.70	9.79

LTE Band 13				Maximum Output Power(dBm)			Main Antenna ERP (dBm)			Second Antenna ERP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				23205/ 779.5	23230/ 782	23255/ 784.5	23205/ 779.5	23230/ 782	23255/ 784.5	23205/ 779.5	23230/ 782	23255/ 784.5
5MHz	QPSK	1	0	23.50	23.55	23.50	15.11	15.16	15.11	12.43	12.48	12.43
		1	13	24.07	24.07	24.08	15.68	15.68	15.69	13.00	13.00	13.01
		1	24	24.08	24.07	24.09	15.69	15.68	15.70	13.01	13.00	13.02
		12	0	23.11	23.13	23.12	14.72	14.74	14.73	12.04	12.06	12.05
		12	6	23.09	23.11	23.10	14.70	14.72	14.71	12.02	12.04	12.03
		12	13	23.02	23.02	23.01	14.63	14.63	14.62	11.95	11.95	11.94
		25	0	23.15	23.21	23.19	14.76	14.82	14.80	12.08	12.14	12.12
	16QAM	1	0	23.52	23.02	23.04	15.13	14.63	14.65	12.45	11.95	11.97
		1	13	23.50	23.48	23.50	15.11	15.09	15.11	12.43	12.41	12.43
		1	24	23.48	23.51	23.48	15.09	15.12	15.09	12.41	12.44	12.41
		12	0	22.07	22.05	22.06	13.68	13.66	13.67	11.00	10.98	10.99
		12	6	22.16	22.15	22.16	13.77	13.76	13.77	11.09	11.08	11.09
		12	13	22.18	22.20	22.19	13.79	13.81	13.80	11.11	11.13	11.12
		25	0	22.06	22.08	22.07	13.67	13.69	13.68	10.99	11.01	11.00
	64QAM	1	0	22.16	22.18	22.16	13.77	13.79	13.77	11.09	11.11	11.09
		1	13	22.05	22.07	22.05	13.66	13.68	13.66	10.98	11.00	10.98
		1	24	22.15	22.14	22.11	13.76	13.75	13.72	11.08	11.07	11.04
		12	0	21.50	21.48	21.53	13.11	13.09	13.14	10.43	10.41	10.46
		12	6	21.39	21.38	21.39	13.00	12.99	13.00	10.32	10.31	10.32
		12	13	21.31	21.33	21.32	12.92	12.94	12.93	10.24	10.26	10.25

		25	0	21.32	21.34	21.33	12.93	12.95	12.94	10.25	10.27	10.26
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				/	23230/782	/	/	23230/782	/	/	23230/782	/
10MHz	QPSK	1	0	/	23.48	/	/	15.09	/	/	12.41	/
		1	25	/	24.07	/	/	15.68	/	/	13.00	/
		1	49	/	24.05	/	/	15.66	/	/	12.98	/
		25	0	/	23.09	/	/	14.70	/	/	12.02	/
		25	13	/	23.07	/	/	14.68	/	/	12.00	/
		25	25	/	22.98	/	/	14.59	/	/	11.91	/
		50	0	/	23.14	/	/	14.75	/	/	12.07	/
	16QAM	1	0	/	22.99	/	/	14.60	/	/	11.92	/
		1	25	/	23.47	/	/	15.08	/	/	12.40	/
		1	49	/	23.46	/	/	15.07	/	/	12.39	/
		25	0	/	22.04	/	/	13.65	/	/	10.97	/
		25	13	/	22.12	/	/	13.73	/	/	11.05	/
		25	25	/	22.16	/	/	13.77	/	/	11.09	/
		50	0	/	22.04	/	/	13.65	/	/	10.97	/
	64QAM	1	0	/	22.11	/	/	13.72	/	/	11.04	/
		1	25	/	22.02	/	/	13.63	/	/	10.95	/
		1	49	/	22.09	/	/	13.70	/	/	11.02	/
		25	0	/	21.47	/	/	13.08	/	/	10.40	/
		25	13	/	21.35	/	/	12.96	/	/	10.28	/
		25	25	/	21.29	/	/	12.90	/	/	10.22	/
		50	0	/	21.30	/	/	12.91	/	/	10.23	/

LTE Band 17				Maximum Output Power(dBm)			Main Antenna ERP (dBm)			Second Antenna ERP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				23755/706.5	23790/710	23825/713.5	23755/706.5	23790/710	23825/713.5	23755/706.5	23790/710	23825/713.5
5MHz	QPSK	1	0	24.16	24.09	24.02	15.77	15.70	15.63	13.09	13.02	12.95
		1	13	24.40	24.15	24.32	16.01	15.76	15.93	13.33	13.08	13.25
		1	24	24.09	24.11	24.08	15.70	15.72	15.69	13.02	13.04	13.01
		12	0	23.40	23.39	23.42	15.01	15.00	15.03	12.33	12.32	12.35
		12	6	23.36	23.02	23.51	14.97	14.63	15.12	12.29	11.95	12.44
		12	13	23.14	23.08	23.39	14.75	14.69	15.00	12.07	12.01	12.32
		25	0	23.49	23.22	23.37	15.10	14.83	14.98	12.42	12.15	12.30

	16QAM	1	0	23.62	22.84	23.04	15.23	14.45	14.65	12.55	11.77	11.97
		1	13	23.64	23.13	23.71	15.25	14.74	15.32	12.57	12.06	12.64
		1	24	23.02	23.03	23.06	14.63	14.64	14.67	11.95	11.96	11.99
		12	0	22.49	22.10	22.40	14.10	13.71	14.01	11.42	11.03	11.33
		12	6	22.36	22.29	22.57	13.97	13.90	14.18	11.29	11.22	11.50
		12	13	22.48	22.20	22.47	14.09	13.81	14.08	11.41	11.13	11.40
		25	0	22.40	22.19	22.42	14.01	13.80	14.03	11.33	11.12	11.35
	64QAM	1	0	22.07	22.14	22.22	13.68	13.75	13.83	11.00	11.07	11.15
		1	13	22.16	22.11	22.19	13.77	13.72	13.80	11.09	11.04	11.12
		1	24	22.26	22.19	22.15	13.87	13.80	13.76	11.19	11.12	11.08
		12	0	21.07	21.01	21.10	12.68	12.62	12.71	10.00	9.94	10.03
		12	6	21.14	21.21	21.17	12.75	12.82	12.78	10.07	10.14	10.10
		12	13	21.22	21.13	21.25	12.83	12.74	12.86	10.15	10.06	10.18
		25	0	21.19	21.19	21.15	12.80	12.80	12.76	10.12	10.12	10.08

BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				23780/709	23790/710	23800/711	23780/709	23790/710	23800/711	23780/709	23790/710	23800/711
10MHz	QPSK	1	0	24.13	24.05	23.99	15.74	15.66	15.60	13.06	12.98	12.92
		1	25	24.39	24.11	24.30	16.00	15.72	15.91	13.32	13.04	13.23
		1	49	24.07	24.10	24.05	15.68	15.71	15.66	13.00	13.03	12.98
		25	0	23.37	23.34	23.38	14.98	14.95	14.99	12.30	12.27	12.31
		25	13	23.34	22.98	23.48	14.95	14.59	15.09	12.27	11.91	12.41
		25	25	23.11	23.03	23.35	14.72	14.64	14.96	12.04	11.96	12.28
		50	0	23.46	23.17	23.33	15.07	14.78	14.94	12.39	12.10	12.26
	16QAM	1	0	22.71	22.80	22.99	14.32	14.41	14.60	11.64	11.73	11.92
		1	25	23.60	23.11	23.67	15.21	14.72	15.28	12.53	12.04	12.60
		1	49	23.00	23.00	23.04	14.61	14.61	14.65	11.93	11.93	11.97
		25	0	22.46	22.06	22.37	14.07	13.67	13.98	11.39	10.99	11.30
		25	13	22.33	22.27	22.54	13.94	13.88	14.15	11.26	11.20	11.47
		25	25	22.45	22.15	22.43	14.06	13.76	14.04	11.38	11.08	11.36
		50	0	22.38	22.15	22.39	13.99	13.76	14.00	11.31	11.08	11.32
	64QAM	1	0	22.05	22.10	22.17	13.66	13.71	13.78	10.98	11.03	11.10
		1	25	22.12	22.09	22.15	13.73	13.70	13.76	11.05	11.02	11.08
		1	49	22.20	22.13	22.09	13.81	13.74	13.70	11.13	11.06	11.02
		25	0	21.02	20.93	21.03	12.63	12.54	12.64	9.95	9.86	9.96
		25	13	21.10	21.17	21.11	12.71	12.78	12.72	10.03	10.10	10.04
		25	25	21.19	21.08	21.21	12.80	12.69	12.82	10.12	10.01	10.14

		50	0	21.17	21.15	21.12	12.78	12.76	12.73	10.10	10.08	10.05

LTE Band 38				Maximum Output Power(dBm)			Main Antenna EIRP (dBm)			Second Antenna EIRP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				37775/ 2572.5	38000/ 2595	38225/ 2617.5	37775/ 2572.5	38000/ 2595	38225/ 2617.5	37775/ 2572.5	38000/ 2595	38225/ 2617.5
5MHz	QPSK	1	0	21.64	22.15	21.71	20.60	21.11	20.67	19.99	20.50	20.06
		1	13	21.65	21.72	21.30	20.61	20.68	20.26	20.00	20.07	19.65
		1	24	21.68	21.69	21.61	20.64	20.65	20.57	20.03	20.04	19.96
		12	0	21.72	21.87	21.86	20.68	20.83	20.82	20.07	20.22	20.21
		12	6	21.91	21.90	21.79	20.87	20.86	20.75	20.26	20.25	20.14
		12	13	21.89	21.85	21.69	20.85	20.81	20.65	20.24	20.20	20.04
		25	0	21.75	21.89	21.75	20.71	20.85	20.71	20.10	20.24	20.10
	16QAM	1	0	21.88	22.15	22.10	20.84	21.11	21.06	20.23	20.50	20.45
		1	13	21.86	21.93	21.52	20.82	20.89	20.48	20.21	20.28	19.87
		1	24	22.06	22.04	21.67	21.02	21.00	20.63	20.41	20.39	20.02
		12	0	21.39	21.49	21.54	20.35	20.45	20.50	19.74	19.84	19.89
		12	6	21.38	21.52	21.37	20.34	20.48	20.33	19.73	19.87	19.72
		12	13	21.43	21.43	21.34	20.39	20.39	20.30	19.78	19.78	19.69
		25	0	21.33	21.47	21.26	20.29	20.43	20.22	19.68	19.82	19.61
	64QAM	1	0	20.86	21.28	21.25	19.82	20.24	20.21	19.21	19.63	19.60
		1	13	21.14	21.26	21.21	20.10	20.22	20.17	19.49	19.61	19.56
		1	24	21.36	21.10	20.95	20.32	20.06	19.91	19.71	19.45	19.30
		12	0	20.33	20.69	20.70	19.29	19.65	19.66	18.68	19.04	19.05
		12	6	20.38	20.44	20.44	19.34	19.40	19.40	18.73	18.79	18.79
		12	13	20.36	20.33	20.28	19.32	19.29	19.24	18.71	18.68	18.63
		25	0	20.20	20.38	20.35	19.16	19.34	19.31	18.55	18.73	18.70
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				37800/ 2575	38000/ 2595	38200/ 2615	37800/ 2575	38000/ 2595	38200/ 2615	37800/ 2575	38000/ 2595	38200/ 2615
10MHz	QPSK	1	0	21.66	22.16	21.74	20.62	21.12	20.70	20.01	20.51	20.09
		1	25	21.68	21.77	21.34	20.64	20.73	20.30	20.03	20.12	19.69
		1	49	21.70	21.73	21.64	20.66	20.69	20.60	20.05	20.08	19.99
		25	0	21.75	21.92	21.90	20.71	20.88	20.86	20.10	20.27	20.25
		25	13	21.94	21.95	21.83	20.90	20.91	20.79	20.29	20.30	20.18
		25	25	21.91	21.89	21.74	20.87	20.85	20.70	20.26	20.24	20.09
		50	0	21.79	21.91	21.79	20.75	20.87	20.75	20.14	20.26	20.14

	16QAM	1	0	21.90	22.18	22.12	20.86	21.14	21.08	20.25	20.53	20.47
		1	25	21.89	21.97	21.55	20.85	20.93	20.51	20.24	20.32	19.90
		1	49	22.09	22.06	21.70	21.05	21.02	20.66	20.44	20.41	20.05
		25	0	21.42	21.54	21.58	20.38	20.50	20.54	19.77	19.89	19.93
		25	13	21.40	21.56	21.40	20.36	20.52	20.36	19.75	19.91	19.75
		25	25	21.46	21.48	21.38	20.42	20.44	20.34	19.81	19.83	19.73
		50	0	21.36	21.52	21.30	20.32	20.48	20.26	19.71	19.87	19.65
	64QAM	1	0	20.88	21.27	21.27	19.84	20.23	20.23	19.23	19.62	19.62
		1	25	21.17	21.26	21.24	20.13	20.22	20.20	19.52	19.61	19.59
		1	49	21.35	21.12	20.98	20.31	20.08	19.94	19.70	19.47	19.33
		25	0	20.36	20.74	20.70	19.32	19.70	19.66	18.71	19.09	19.05
		25	13	20.40	20.48	20.47	19.36	19.44	19.43	18.75	18.83	18.82
		25	25	20.39	20.38	20.32	19.35	19.34	19.28	18.74	18.73	18.67
		50	0	20.23	20.43	20.39	19.19	19.39	19.35	18.58	18.78	18.74

BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				37825/ 2577.5	38000/ 2595	38175/ 2612.5	37825/ 2577.5	38000/ 2595	38175/ 2612.5	37825/ 2577.5	38000/ 2595	38175/ 2612.5
15MHz	QPSK	1	0	21.65	22.12	21.72	20.61	21.08	20.68	20.00	20.47	20.07
		1	38	21.66	21.76	21.31	20.62	20.72	20.27	20.01	20.11	19.66
		1	74	21.67	21.68	21.60	20.63	20.64	20.56	20.02	20.03	19.95
		36	0	21.73	21.88	21.87	20.69	20.84	20.83	20.08	20.23	20.22
		36	18	21.91	21.90	21.79	20.87	20.86	20.75	20.26	20.25	20.14
		36	39	21.88	21.86	21.70	20.84	20.82	20.66	20.23	20.21	20.05
		75	0	21.77	21.87	21.74	20.73	20.83	20.70	20.12	20.22	20.09
	16QAM	1	0	21.85	22.16	22.10	20.81	21.12	21.06	20.20	20.51	20.45
		1	38	21.87	21.94	21.53	20.83	20.90	20.49	20.22	20.29	19.88
		1	74	22.06	22.02	21.67	21.02	20.98	20.63	20.41	20.37	20.02
		36	0	21.39	21.52	21.55	20.35	20.48	20.51	19.74	19.87	19.90
		36	18	21.37	21.51	21.36	20.33	20.47	20.32	19.72	19.86	19.71
		36	39	21.44	21.44	21.35	20.40	20.40	20.31	19.79	19.79	19.70
		75	0	21.33	21.47	21.26	20.29	20.43	20.22	19.68	19.82	19.61
	64QAM	1	0	20.83	21.25	21.25	19.79	20.21	20.21	19.18	19.60	19.60
		1	38	21.15	21.23	21.22	20.11	20.19	20.18	19.50	19.58	19.57
		1	74	21.36	21.11	20.99	20.32	20.07	19.95	19.71	19.46	19.34
		36	0	20.35	20.76	20.71	19.31	19.72	19.67	18.70	19.11	19.06
		36	18	20.38	20.45	20.46	19.34	19.41	19.42	18.73	18.80	18.81
		36	39	20.37	20.34	20.29	19.33	19.30	19.25	18.72	18.69	18.64

		75	0	20.20	20.38	20.35	19.16	19.34	19.31	18.55	18.73	18.70
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				37850/2580	38000/2595	38150/2610	37850/2580	38000/2595	38150/2610	37850/2580	38000/2595	38150/2610
20MHz	QPSK	1	0	21.62	22.08	21.69	20.58	21.04	20.65	19.97	20.43	20.04
		1	50	21.65	21.72	21.29	20.61	20.68	20.25	20.00	20.07	19.64
		1	99	21.65	21.67	21.57	20.61	20.63	20.53	20.00	20.02	19.92
		50	0	21.70	21.83	21.83	20.66	20.79	20.79	20.05	20.18	20.18
		50	25	21.89	21.86	21.76	20.85	20.82	20.72	20.24	20.21	20.11
		50	50	21.85	21.81	21.66	20.81	20.77	20.62	20.20	20.16	20.01
		100	0	21.74	21.82	21.70	20.70	20.78	20.66	20.09	20.17	20.05
	16QAM	1	0	21.85	22.12	22.05	20.81	21.08	21.01	20.20	20.47	20.40
		1	50	21.83	21.92	21.49	20.79	20.88	20.45	20.18	20.27	19.84
		1	99	22.04	21.99	21.65	21.00	20.95	20.61	20.39	20.34	20.00
		50	0	21.36	21.48	21.52	20.32	20.44	20.48	19.71	19.83	19.87
		50	25	21.34	21.49	21.33	20.30	20.45	20.29	19.69	19.84	19.68
		50	50	21.41	21.39	21.31	20.37	20.35	20.27	19.76	19.74	19.66
		100	0	21.31	21.43	21.23	20.27	20.39	20.19	19.66	19.78	19.58
	64QAM	1	0	20.81	21.21	21.20	19.77	20.17	20.16	19.16	19.56	19.55
		1	50	21.11	21.21	21.18	20.07	20.17	20.14	19.46	19.56	19.53
		1	99	21.30	21.05	20.93	20.26	20.01	19.89	19.65	19.40	19.28
		50	0	20.30	20.68	20.64	19.26	19.64	19.60	18.65	19.03	18.99
		50	25	20.34	20.41	20.40	19.30	19.37	19.36	18.69	18.76	18.75
		50	50	20.34	20.29	20.25	19.30	19.25	19.21	18.69	18.64	18.60
		100	0	20.18	20.34	20.32	19.14	19.30	19.28	18.53	18.69	18.67

LTE Band 41				**Maximum Output Power(dBm)**			**Main Antenna EIRP (dBm)**			**Second Antenna EIRP (dBm)**		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				39675/2498.5	40620/2593	41565/2687.5	39675/2498.5	40620/2593	39675/2498.5	39675/2498.5	40620/2593	39675/2498.5
5MHz	QPSK	1	0	22.53	21.89	22.30	21.83	21.19	21.60	20.98	20.34	20.75
		1	13	22.22	22.43	22.79	21.52	21.73	22.09	20.67	20.88	21.24
		1	24	22.18	22.76	22.46	21.48	22.06	21.76	20.63	21.21	20.91
		12	0	22.43	21.69	22.31	21.73	20.99	21.61	20.88	20.14	20.76
		12	6	21.60	21.89	22.65	20.90	21.19	21.95	20.05	20.34	21.10
		12	13	21.39	21.75	22.32	20.69	21.05	21.62	19.84	20.20	20.77
		25	0	21.47	21.80	22.26	20.77	21.10	21.56	19.92	20.25	20.71

	16QAM	1	0	21.77	21.53	22.16	21.07	20.83	21.46	20.22	19.98	20.61
		1	13	21.38	22.11	22.37	20.68	21.41	21.67	19.83	20.56	20.82
		1	24	21.35	21.60	22.08	20.65	20.90	21.38	19.80	20.05	20.53
		12	0	21.34	20.87	21.35	20.64	20.17	20.65	19.79	19.32	19.80
		12	6	21.06	21.01	21.49	20.36	20.31	20.79	19.51	19.46	19.94
		12	13	21.07	20.99	21.64	20.37	20.29	20.94	19.52	19.44	20.09
		25	0	21.01	20.95	21.56	20.31	20.25	20.86	19.46	19.40	20.01
	64QAM	1	0	20.98	21.23	21.30	20.28	20.53	20.60	19.43	19.68	19.75
		1	13	21.54	21.71	21.16	20.84	21.01	20.46	19.99	20.16	19.61
		1	24	21.28	21.51	21.14	20.58	20.81	20.44	19.73	19.96	19.59
		12	0	19.87	19.90	20.81	19.17	19.20	20.11	18.32	18.35	19.26
		12	6	19.90	20.08	20.07	19.20	19.38	19.37	18.35	18.53	18.52
		12	13	19.96	19.87	19.94	19.26	19.17	19.24	18.41	18.32	18.39
		25	0	20.00	19.89	20.04	19.30	19.19	19.34	18.45	18.34	18.49

BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				39700/2501	40620/2593	41540/2685	39700/2501	40620/2593	41540/2685	39700/2501	40620/2593	41540/2685
10MHz	QPSK	1	0	22.56	21.93	22.28	21.86	21.23	21.58	21.01	20.38	20.73
		1	25	22.24	22.46	22.75	21.54	21.76	22.05	20.69	20.91	21.20
		1	49	22.21	22.80	22.41	21.51	22.10	21.71	20.66	21.25	20.86
		25	0	22.46	21.73	22.26	21.76	21.03	21.56	20.91	20.18	20.71
		25	13	21.62	21.94	22.61	20.92	21.24	21.91	20.07	20.39	21.06
		25	25	21.41	21.79	22.30	20.71	21.09	21.60	19.86	20.24	20.75
		50	0	21.49	21.82	22.25	20.79	21.12	21.55	19.94	20.27	20.70
	16QAM	1	0	21.80	21.56	22.12	21.10	20.86	21.42	20.25	20.01	20.57
		1	25	21.41	22.14	22.35	20.71	21.44	21.65	19.86	20.59	20.80
		1	49	21.38	21.64	22.06	20.68	20.94	21.36	19.83	20.09	20.51
		25	0	21.36	20.90	21.31	20.66	20.20	20.61	19.81	19.35	19.76
		25	13	21.09	21.05	21.44	20.39	20.35	20.74	19.54	19.50	19.89
		25	25	21.10	21.03	21.59	20.40	20.33	20.89	19.55	19.48	20.04
		50	0	21.03	21.00	21.52	20.33	20.30	20.82	19.48	19.45	19.97
	64QAM	1	0	21.01	21.26	21.26	20.31	20.56	20.56	19.46	19.71	19.71
		1	25	21.57	21.74	21.14	20.87	21.04	20.44	20.02	20.19	19.59
		1	49	21.31	21.55	21.12	20.61	20.85	20.42	19.76	20.00	19.57
		25	0	19.89	19.93	20.77	19.19	19.23	20.07	18.34	18.38	19.22
		25	13	19.93	20.12	20.02	19.23	19.42	19.32	18.38	18.57	18.47
		25	25	19.99	19.91	19.89	19.29	19.21	19.19	18.44	18.36	18.34

		50	0	20.02	19.94	20.00	19.32	19.24	19.30	18.47	18.39	18.45
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				39725/ 2503.5	40620/ 2593	41515/ 2682.5	39725/ 2503.5	40620/ 2593	41515/ 2682.5	39725/ 2503.5	40620/ 2593	41515/ 2682.5
15MHz	QPSK	1	0	22.54	21.90	22.25	21.84	21.20	21.55	20.99	20.35	20.70
		1	38	22.23	22.44	22.79	21.53	21.74	22.09	20.68	20.89	21.24
		1	74	22.17	22.75	22.40	21.47	22.05	21.70	20.62	21.20	20.85
		36	0	22.44	21.70	22.27	21.74	21.00	21.57	20.89	20.15	20.72
		36	18	21.60	21.89	22.61	20.90	21.19	21.91	20.05	20.34	21.06
		36	39	21.38	21.76	22.31	20.68	21.06	21.61	19.83	20.21	20.76
		75	0	21.50	21.79	22.23	20.80	21.09	21.53	19.95	20.24	20.68
	16QAM	1	0	21.74	21.53	22.13	21.04	20.83	21.43	20.19	19.98	20.58
		1	38	21.39	22.12	22.36	20.69	21.42	21.66	19.84	20.57	20.81
		1	74	21.35	21.60	22.04	20.65	20.90	21.34	19.80	20.05	20.49
		36	0	21.34	20.88	21.34	20.64	20.18	20.64	19.79	19.33	19.79
		36	18	21.05	21.00	21.43	20.35	20.30	20.73	19.50	19.45	19.88
		36	39	21.08	21.00	21.60	20.38	20.30	20.90	19.53	19.45	20.05
		75	0	21.01	20.95	21.52	20.31	20.25	20.82	19.46	19.40	19.97
	64QAM	1	0	20.95	21.23	21.27	20.25	20.53	20.57	19.40	19.68	19.72
		1	38	21.55	21.72	21.15	20.85	21.02	20.45	20.00	20.17	19.60
		1	74	21.28	21.51	21.10	20.58	20.81	20.40	19.73	19.96	19.55
		36	0	19.87	19.91	20.80	19.17	19.21	20.10	18.32	18.36	19.25
		36	18	19.89	20.07	20.01	19.19	19.37	19.31	18.34	18.52	18.46
		36	39	19.97	19.88	19.90	19.27	19.18	19.20	18.42	18.33	18.35
		75	0	20.00	19.89	20.00	19.30	19.19	19.30	18.45	18.34	18.45
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				39750/ 2506	40620/ 2593	41490/ 2680	39750/ 2506	40620/ 2593	41490/ 2680	39750/ 2506	40620/ 2593	41490/ 2680
20MHz	QPSK	1	0	22.51	21.87	22.21	21.81	21.17	21.51	20.96	20.32	20.66
		1	50	22.22	22.42	22.75	21.52	21.72	22.05	20.67	20.87	21.20
		1	99	22.15	22.72	22.39	21.45	22.02	21.69	20.60	21.17	20.84
		50	0	22.41	21.66	22.22	21.71	20.96	21.52	20.86	20.11	20.67
		50	25	21.58	21.86	22.57	20.88	21.16	21.87	20.03	20.31	21.02
		50	50	21.35	21.72	22.26	20.65	21.02	21.56	19.80	20.17	20.71
		100	0	21.47	21.75	22.18	20.77	21.05	21.48	19.92	20.20	20.63
	16QAM	1	0	21.72	21.48	22.09	21.02	20.78	21.39	20.17	19.93	20.54
		1	50	21.35	22.08	22.34	20.65	21.38	21.64	19.80	20.53	20.79

		1	99	21.33	21.58	22.01	20.63	20.88	21.31	19.78	20.03	20.46
		50	0	21.31	20.85	21.30	20.61	20.15	20.60	19.76	19.30	19.75
		50	25	21.02	20.97	21.41	20.32	20.27	20.71	19.47	19.42	19.86
		50	50	21.05	20.96	21.55	20.35	20.26	20.85	19.50	19.41	20.00
		100	0	20.99	20.92	21.48	20.29	20.22	20.78	19.44	19.37	19.93
	64QAM	1	0	20.93	21.18	21.23	20.23	20.48	20.53	19.38	19.63	19.68
		1	50	21.51	21.68	21.13	20.81	20.98	20.43	19.96	20.13	19.58
		1	99	21.26	21.49	21.07	20.56	20.79	20.37	19.71	19.94	19.52
		50	0	19.84	19.88	20.76	19.14	19.18	20.06	18.29	18.33	19.21
		50	25	19.86	20.04	19.99	19.16	19.34	19.29	18.31	18.49	18.44
		50	50	19.94	19.84	19.85	19.24	19.14	19.15	18.39	18.29	18.30
		100	0	19.98	19.86	19.96	19.28	19.16	19.26	18.43	18.31	18.41

LTE Band 66				Maximum Output Power(dBm)			Main Antenna EIRP (dBm)			Second Antenna EIRP (dBm)		
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				131979/ 1710.7	132322/ 1745	132665/ 1779.3	131979/ 1710.7	132322/ 1745	132665/ 1779.3	131979/ 1710.7	132322/ 1745	132665/ 1779.3
1.4MHz	QPSK	1	0	21.65	21.63	21.73	19.69	19.67	19.77	19.74	19.72	19.82
		1	2	21.78	22.16	21.80	19.82	20.20	19.84	19.87	20.25	19.89
		1	5	21.84	21.87	22.11	19.88	19.91	20.15	19.93	19.96	20.20
		3	0	21.96	21.82	21.67	20.00	19.86	19.71	20.05	19.91	19.76
		3	2	21.40	21.98	21.67	19.44	20.02	19.71	19.49	20.07	19.76
		3	3	21.78	21.93	21.90	19.82	19.97	19.94	19.87	20.02	19.99
		6	0	20.77	20.93	20.82	18.81	18.97	18.86	18.86	19.02	18.91
	16QAM	1	0	20.99	20.87	21.06	19.03	18.91	19.10	19.08	18.96	19.15
		1	2	20.97	21.02	20.94	19.01	19.06	18.98	19.06	19.11	19.03
		1	5	20.47	21.06	20.99	18.51	19.10	19.03	18.56	19.15	19.08
		3	0	20.35	20.88	20.66	18.39	18.92	18.70	18.44	18.97	18.75
		3	2	20.60	20.87	20.87	18.64	18.91	18.91	18.69	18.96	18.96
		3	3	20.90	20.97	20.81	18.94	19.01	18.85	18.99	19.06	18.90
		6	0	19.85	19.95	19.81	17.89	17.99	17.85	17.94	18.04	17.90
	64QAM	1	0	19.55	19.85	19.84	17.59	17.89	17.88	17.64	17.94	17.93
		1	2	19.71	19.80	19.89	17.75	17.84	17.93	17.80	17.89	17.98
		1	5	19.42	19.95	19.93	17.46	17.99	17.97	17.51	18.04	18.02
		3	0	19.85	19.74	19.64	17.89	17.78	17.68	17.94	17.83	17.73
		3	2	19.78	19.84	19.76	17.82	17.88	17.80	17.87	17.93	17.85

		3	3	19.84	19.97	19.83	17.88	18.01	17.87	17.93	18.06	17.92
		6	0	18.85	18.90	18.83	16.89	16.94	16.87	16.94	16.99	16.92
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				131987/ 1711.5	132322/ 1745	132657/ 1778.5	131987/ 1711.5	132322/ 1745	132657/ 1778.5	131987/ 1711.5	132322/ 1745	132657/ 1778.5
3MHz	QPSK	1	0	21.67	21.67	21.76	19.71	19.71	19.80	19.76	19.76	19.85
		1	7	21.76	22.19	21.84	19.80	20.23	19.88	19.85	20.28	19.93
		1	14	21.87	21.92	22.15	19.91	19.96	20.19	19.96	20.01	20.24
		8	0	21.06	20.94	20.80	19.10	18.98	18.84	19.15	19.03	18.89
		8	4	20.52	21.08	20.79	18.56	19.12	18.83	18.61	19.17	18.88
		8	7	20.88	21.04	21.00	18.92	19.08	19.04	18.97	19.13	19.09
		15	0	20.77	20.97	20.85	18.81	19.01	18.89	18.86	19.06	18.94
	16QAM	1	0	21.02	20.89	21.09	19.06	18.93	19.13	19.11	18.98	19.18
		1	7	21.00	21.02	20.98	19.04	19.06	19.02	19.09	19.11	19.07
		1	14	20.49	21.10	21.02	18.53	19.14	19.06	18.58	19.19	19.11
		8	0	19.46	20.01	19.78	17.50	18.05	17.82	17.55	18.10	17.87
		8	4	19.71	20.00	19.99	17.75	18.04	18.03	17.80	18.09	18.08
		8	7	20.00	20.09	19.94	18.04	18.13	17.98	18.09	18.18	18.03
		15	0	19.88	19.99	19.84	17.92	18.03	17.88	17.97	18.08	17.93
	64QAM	1	0	19.58	19.87	19.87	17.62	17.91	17.91	17.67	17.96	17.96
		1	7	19.74	19.80	19.91	17.78	17.84	17.95	17.83	17.89	18.00
		1	14	19.44	19.94	19.96	17.48	17.98	18.00	17.53	18.03	18.05
		8	0	18.96	18.87	18.76	17.00	16.91	16.80	17.05	16.96	16.85
		8	4	18.89	18.97	18.88	16.93	17.01	16.92	16.98	17.06	16.97
		8	7	18.94	19.09	18.96	16.98	17.13	17.00	17.03	17.18	17.05
		15	0	18.88	18.94	18.86	16.92	16.98	16.90	16.97	17.03	16.95
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				131997/ 1712.5	132322/ 1745	132647/ 1777.5	131997/ 1712.5	132322/ 1745	132647/ 1777.5	131997/ 1712.5	132322/ 1745	132647/ 1777.5
5MHz	QPSK	1	0	21.65	21.62	21.73	19.69	19.66	19.77	19.74	19.71	19.82
		1	13	21.75	22.19	21.82	19.79	20.23	19.86	19.84	20.28	19.91
		1	24	21.83	21.86	22.10	19.87	19.90	20.14	19.92	19.95	20.19
		12	0	21.04	20.90	20.77	19.08	18.94	18.81	19.13	18.99	18.86
		12	6	20.50	21.04	20.74	18.54	19.08	18.78	18.59	19.13	18.83
		12	13	20.85	21.03	20.97	18.89	19.07	19.01	18.94	19.12	19.06
		25	0	20.79	20.94	20.82	18.83	18.98	18.86	18.88	19.03	18.91
	16QAM	1	0	20.96	20.86	21.06	19.00	18.90	19.10	19.05	18.95	19.15

		1	13	20.98	21.01	20.96	19.02	19.05	19.00	19.07	19.10	19.05
		1	24	20.46	21.06	20.98	18.50	19.10	19.02	18.55	19.15	19.07
		12	0	19.44	20.00	19.76	17.48	18.04	17.80	17.53	18.09	17.85
		12	6	19.67	19.94	19.94	17.71	17.98	17.98	17.76	18.03	18.03
		12	13	19.98	20.05	19.91	18.02	18.09	17.95	18.07	18.14	18.00
		25	0	19.86	19.95	19.79	17.90	17.99	17.83	17.95	18.04	17.88
	64QAM	1	0	19.52	19.84	19.84	17.56	17.88	17.88	17.61	17.93	17.93
		1	13	19.72	19.79	19.89	17.76	17.83	17.93	17.81	17.88	17.98
		1	24	19.45	19.93	19.96	17.49	17.97	18.00	17.54	18.02	18.05
		12	0	18.96	18.90	18.78	17.00	16.94	16.82	17.05	16.99	16.87
		12	6	18.86	18.93	18.86	16.90	16.97	16.90	16.95	17.02	16.95
		12	13	18.92	19.05	18.93	16.96	17.09	16.97	17.01	17.14	17.02
		25	0	18.86	18.90	18.81	16.90	16.94	16.85	16.95	16.99	16.90
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				132022/ 1715	132322/ 1745	132622/ 1775	132022/ 1715	132322/ 1745	132622/ 1775	132022/ 1715	132322/ 1745	132622/ 1775
10MHz	QPSK	1	0	21.66	21.66	21.75	19.70	19.70	19.79	19.75	19.75	19.84
		1	25	21.77	22.20	21.85	19.81	20.24	19.89	19.86	20.29	19.94
		1	49	21.86	21.91	22.14	19.90	19.95	20.18	19.95	20.00	20.23
		25	0	21.06	20.94	20.80	19.10	18.98	18.84	19.15	19.03	18.89
		25	13	20.53	21.09	20.78	18.57	19.13	18.82	18.62	19.18	18.87
		25	25	20.88	21.06	21.01	18.92	19.10	19.05	18.97	19.15	19.10
		50	0	20.81	20.98	20.87	18.85	19.02	18.91	18.90	19.07	18.96
	16QAM	1	0	21.01	20.88	21.08	19.05	18.92	19.12	19.10	18.97	19.17
		1	25	21.00	21.04	20.98	19.04	19.08	19.02	19.09	19.13	19.07
		1	49	20.49	21.10	21.01	18.53	19.14	19.05	18.58	19.19	19.10
		25	0	19.47	20.02	19.79	17.51	18.06	17.83	17.56	18.11	17.88
		25	13	19.70	19.99	19.98	17.74	18.03	18.02	17.79	18.08	18.07
		25	25	20.00	20.09	19.94	18.04	18.13	17.98	18.09	18.18	18.03
		50	0	19.89	20.00	19.83	17.93	18.04	17.87	17.98	18.09	17.92
	64QAM	1	0	19.57	19.86	19.86	17.61	17.90	17.90	17.66	17.95	17.95
		1	25	19.74	19.82	19.91	17.78	17.86	17.95	17.83	17.91	18.00
		1	49	19.44	19.94	19.95	17.48	17.98	17.99	17.53	18.03	18.04
		25	0	18.97	18.88	18.77	17.01	16.92	16.81	17.06	16.97	16.86
		25	13	18.88	18.96	18.87	16.92	17.00	16.91	16.97	17.05	16.96
		25	25	18.94	19.09	18.96	16.98	17.13	17.00	17.03	17.18	17.05
		50	0	18.89	18.95	18.85	16.93	16.99	16.89	16.98	17.04	16.94

BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				132047/ 1717.5	132322/ 1745	132597/ 1772.5	132047/ 1717.5	132322/ 1745	132597/ 1772.5	132047/ 1717.5	132322/ 1745	132597/ 1772.5
15MHz	QPSK	1	0	21.64	21.65	21.72	19.68	19.69	19.76	19.73	19.74	19.81
		1	38	21.74	22.15	21.81	19.78	20.19	19.85	19.83	20.24	19.90
		1	74	21.84	21.87	22.11	19.88	19.91	20.15	19.93	19.96	20.20
		36	0	21.03	20.89	20.76	19.07	18.93	18.80	19.12	18.98	18.85
		36	18	20.50	21.04	20.74	18.54	19.08	18.78	18.59	19.13	18.83
		36	39	20.86	21.02	20.96	18.90	19.06	19.00	18.95	19.11	19.05
		75	0	20.77	20.96	20.83	18.81	19.00	18.87	18.86	19.05	18.92
	16QAM	1	0	20.99	20.85	21.06	19.03	18.89	19.10	19.08	18.94	19.15
		1	38	20.97	21.00	20.95	19.01	19.04	18.99	19.06	19.09	19.04
		1	74	20.46	21.08	20.98	18.50	19.12	19.02	18.55	19.17	19.07
		36	0	19.44	19.97	19.75	17.48	18.01	17.79	17.53	18.06	17.84
		36	18	19.68	19.95	19.95	17.72	17.99	17.99	17.77	18.04	18.04
		36	39	19.97	20.04	19.90	18.01	18.08	17.94	18.06	18.13	17.99
		75	0	19.86	19.95	19.79	17.90	17.99	17.83	17.95	18.04	17.88
	64QAM	1	0	19.55	19.87	19.84	17.59	17.91	17.88	17.64	17.96	17.93
		1	38	19.71	19.82	19.88	17.75	17.86	17.92	17.80	17.91	17.97
		1	74	19.45	19.92	19.92	17.49	17.96	17.96	17.54	18.01	18.01
		36	0	18.94	18.83	18.77	16.98	16.87	16.81	17.03	16.92	16.86
		36	18	18.86	18.92	18.84	16.90	16.96	16.88	16.95	17.01	16.93
		36	39	18.91	19.04	18.92	16.95	17.08	16.96	17.00	17.13	17.01
		75	0	18.86	18.90	18.81	16.90	16.94	16.85	16.95	16.99	16.90

BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)								
				132072/ 1720	132322/ 1745	132572/ 1770	132072/ 1720	132322/ 1745	132572/ 1770	132072/ 1720	132322/ 1745	132572/ 1770
20MHz	QPSK	1	0	21.62	21.58	21.70	19.66	19.62	19.74	19.71	19.67	19.79
		1	50	21.74	22.15	21.80	19.78	20.19	19.84	19.83	20.24	19.89
		1	99	21.81	21.85	22.07	19.85	19.89	20.11	19.90	19.94	20.16
		50	0	21.01	20.85	20.73	19.05	18.89	18.77	19.10	18.94	18.82
		50	25	20.48	21.00	20.71	18.52	19.04	18.75	18.57	19.09	18.80
		50	50	20.82	20.98	20.93	18.86	19.02	18.97	18.91	19.07	19.02
		100	0	20.76	20.89	20.78	18.80	18.93	18.82	18.85	18.98	18.87
	16QAM	1	0	20.79	20.82	21.01	18.83	18.86	19.05	18.88	18.91	19.10
		1	50	20.94	20.99	20.92	18.98	19.03	18.96	19.03	19.08	19.01
		1	99	20.44	21.03	20.96	18.48	19.07	19.00	18.53	19.12	19.05

		50	0	19.41	19.96	19.73	17.45	18.00	17.77	17.50	18.05	17.82
		50	25	19.64	19.92	19.91	17.68	17.96	17.95	17.73	18.01	18.00
		50	50	19.95	20.00	19.87	17.99	18.04	17.91	18.04	18.09	17.96
		100	0	19.84	19.91	19.76	17.88	17.95	17.80	17.93	18.00	17.85
	64QAM	1	0	19.50	19.80	19.79	17.54	17.84	17.83	17.59	17.89	17.88
		1	50	19.68	19.77	19.85	17.72	17.81	17.89	17.77	17.86	17.94
		1	99	19.39	19.87	19.90	17.43	17.91	17.94	17.48	17.96	17.99
		50	0	18.91	18.82	18.71	16.95	16.86	16.75	17.00	16.91	16.80
		50	25	18.82	18.89	18.80	16.86	16.93	16.84	16.91	16.98	16.89
		50	50	18.89	19.00	18.89	16.93	17.04	16.93	16.98	17.09	16.98
		100	0	18.84	18.86	18.78	16.88	16.90	16.82	16.93	16.95	16.87

CA Band

CA_7C	PCC	SCC	PCC RB		SCC1 RB		Maximum Output power (dBm)			Main Antenna EIRP (dBm)		
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10MHz+20MHz	2505.5	2519.9	1	49	1	0	23.52	21.06	20.57	22.82	20.36	19.87
			50	0	100	0	20.69	19.70	19.39	19.99	19.00	18.69
	2525.6	2540	1	49	1	0	24.20	22.23	21.87	23.50	21.53	21.17
			50	0	100	0	20.63	19.73	19.16	19.93	19.03	18.46
	2545.6	2560	1	49	1	0	23.52	21.86	21.52	22.82	21.16	20.82
			50	0	100	0	20.46	19.47	19.05	19.76	18.77	18.35
20MHz+10MHz	2510	2524.4	1	99	1	0	23.48	21.58	21.38	22.78	20.88	20.68
			100	0	50	0	21.27	20.30	19.84	20.57	19.60	19.14
	2530.1	2544.5	1	99	1	0	24.11	22.57	22.31	23.41	21.87	21.61
			100	0	50	0	21.56	20.68	20.09	20.86	19.98	19.39
	2550.1	2564.5	1	99	1	0	23.60	22.67	22.18	22.90	21.97	21.48
			100	0	50	0	21.29	20.32	19.98	20.59	19.62	19.28
15MHz+15MHz	2507.5	2522.5	1	74	1	0	23.22	21.59	20.71	22.52	20.89	20.01
			75	0	75	0	20.58	19.55	19.11	19.88	18.85	18.41
	2527.5	2542.5	1	74	1	0	23.22	22.15	21.87	22.52	21.45	21.17
			75	0	75	0	20.89	19.86	19.38	20.19	19.16	18.68
	2547.5	2562.5	1	74	1	0	23.80	22.28	21.61	23.10	21.58	20.91
			75	0	75	0	20.45	19.52	19.02	19.75	18.82	18.32
15MHz+20MHz	2507.8	2524.9	1	74	1	0	23.15	21.32	21.10	22.45	20.62	20.40
			75	0	100	0	20.47	19.46	18.92	19.77	18.76	18.22
	2525.3	2542.4	1	74	1	0	23.38	22.44	21.99	22.68	21.74	21.29
			75	0	100	0	20.66	19.78	19.21	19.96	19.08	18.51
	2542.9	2560	1	74	1	0	23.66	21.89	21.96	22.96	21.19	21.26
			75	0	100	0	20.51	19.46	18.99	19.81	18.76	18.29
20MHz+15MHz	2510	2527.1	1	99	1	0	23.55	21.61	21.65	22.85	20.91	20.95
			100	0	75	0	20.76	19.82	19.25	20.06	19.12	18.55
	2527.6	2544.7	1	99	1	0	23.64	22.75	22.22	22.94	22.05	21.52
			100	0	75	0	21.14	20.19	19.68	20.44	19.49	18.98
	2545.1	2562.2	1	99	1	0	23.72	22.31	22.37	23.02	21.61	21.67
			100	0	75	0	20.79	19.79	19.35	20.09	19.09	18.65
20MHz+20MHz	2510	2529.8	1	99	1	0	23.52	21.76	21.22	22.82	21.06	20.52
			1	0	1	99	11.75	11.67	11.12	11.05	10.97	10.42
			100	0	100	0	20.53	19.48	19.00	19.83	18.78	18.30
	2525.1	2544.9	1	99	1	0	24.07	22.53	21.99	23.37	21.83	21.29
			1	0	1	99	11.15	11.32	10.83	10.45	10.62	10.13
			100	0	100	0	20.76	19.82	19.31	20.06	19.12	18.61
	2540.2	2560	1	99	1	0	23.61	22.18	21.52	22.91	21.48	20.82
			1	0	1	99	11.62	11.70	11.12	10.92	11.00	10.42

			100	0	100	0	20.54	19.56	19.00	19.84	18.86	18.30

CA_7C	PCC	SCC	PCC RB		SCC1 RB		Maximum Output power (dBm)			Second Antenna EIRP (dBm)		
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10MHz+20MHz	2505.5	2519.9	1	49	1	0	23.52	21.06	20.57	21.97	19.51	19.02
			50	0	100	0	20.69	19.70	19.39	19.14	18.15	17.84
	2525.6	2540	1	49	1	0	24.20	22.23	21.87	22.65	20.68	20.32
			50	0	100	0	20.63	19.73	19.16	19.08	18.18	17.61
	2545.6	2560	1	49	1	0	23.52	21.86	21.52	21.97	20.31	19.97
			50	0	100	0	20.46	19.47	19.05	18.91	17.92	17.50
20MHz+10MHz	2510	2524.4	1	99	1	0	23.48	21.58	21.38	21.93	20.03	19.83
			100	0	50	0	21.27	20.30	19.84	19.72	18.75	18.29
	2530.1	2544.5	1	99	1	0	24.11	22.57	22.31	22.56	21.02	20.76
			100	0	50	0	21.56	20.68	20.09	20.01	19.13	18.54
	2550.1	2564.5	1	99	1	0	23.60	22.67	22.18	22.05	21.12	20.63
			100	0	50	0	21.29	20.32	19.98	19.74	18.77	18.43
15MHz+15MHz	2507.5	2522.5	1	74	1	0	23.22	21.59	20.71	21.67	20.04	19.16
			75	0	75	0	20.58	19.55	19.11	19.03	18.00	17.56
	2527.5	2542.5	1	74	1	0	23.22	22.15	21.87	21.67	20.60	20.32
			75	0	75	0	20.89	19.86	19.38	19.34	18.31	17.83
	2547.5	2562.5	1	74	1	0	23.80	22.28	21.61	22.25	20.73	20.06
			75	0	75	0	20.45	19.52	19.02	18.90	17.97	17.47
15MHz+20MHz	2507.8	2524.9	1	74	1	0	23.15	21.32	21.10	21.60	19.77	19.55
			75	0	100	0	20.47	19.46	18.92	18.92	17.91	17.37
	2525.3	2542.4	1	74	1	0	23.38	22.44	21.99	21.83	20.89	20.44
			75	0	100	0	20.66	19.78	19.21	19.11	18.23	17.66
	2542.9	2560	1	74	1	0	23.66	21.89	21.96	22.11	20.34	20.41
			75	0	100	0	20.51	19.46	18.99	18.96	17.91	17.44
20MHz+15MHz	2510	2527.1	1	99	1	0	23.55	21.61	21.65	22.00	20.06	20.10
			100	0	75	0	20.76	19.82	19.25	19.21	18.27	17.70
	2527.6	2544.7	1	99	1	0	23.64	22.75	22.22	22.09	21.20	20.67
			100	0	75	0	21.14	20.19	19.68	19.59	18.64	18.13
	2545.1	2562.2	1	99	1	0	23.72	22.31	22.37	22.17	20.76	20.82
			100	0	75	0	20.79	19.79	19.35	19.24	18.24	17.80
20MHz+20MHz	2510	2529.8	1	99	1	0	23.52	21.76	21.22	21.97	20.21	19.67
			1	0	1	99	11.75	11.67	11.12	10.20	10.12	9.57
			100	0	100	0	20.53	19.48	19.00	18.98	17.93	17.45
	2525.1	2544.9	1	99	1	0	24.07	22.53	21.99	22.52	20.98	20.44
			1	0	1	99	11.15	11.32	10.83	9.60	9.77	9.28
			100	0	100	0	20.76	19.82	19.31	19.21	18.27	17.76
	2540.2	2560	1	99	1	0	23.61	22.18	21.52	22.06	20.63	19.97

			1	0	1	99	11.62	11.70	11.12	10.07	10.15	9.57
			100	0	100	0	20.54	19.56	19.00	18.99	18.01	17.45

CA_38C	PCC	SCC	PCC RB		SCC1 RB		Maximum Output power (dBm)			Main Antenna EIRP (dBm)		
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	QPSK	QPSK	QPSK	64QAM	QPSK	16QAM	64QAM
15MHz+15MHz	2577.5	2592.5	1	74	1	0	22.33	20.81	20.42	21.29	19.77	19.38
			75	0	75	0	21.34	20.20	20.13	20.30	19.16	19.09
	2587.5	2602.5	1	74	1	0	22.26	20.56	20.12	21.22	19.52	19.08
			75	0	75	0	20.80	19.78	19.79	19.76	18.74	18.75
	2597.5	2612.5	1	74	1	0	21.92	20.30	19.96	20.88	19.26	18.92
			75	0	75	0	20.92	19.80	19.70	19.88	18.76	18.66
20MHz+20MHz	2580	2599.8	1	99	1	0	22.26	20.68	20.31	21.22	19.64	19.27
			1	0	1	99	13.14	13.58	23.29	12.10	12.54	22.25
			100	0	100	0	20.80	19.74	19.71	19.76	18.70	18.67
	2585.1	2604.9	1	99	1	0	22.40	20.74	20.35	21.36	19.70	19.31
			1	0	1	99	13.30	13.75	13.46	12.26	12.71	12.42
			100	0	100	0	20.79	19.78	19.74	19.75	18.74	18.70
	2590.2	2610	1	99	1	0	22.29	20.77	20.39	21.25	19.73	19.35
			1	0	1	99	13.33	13.85	13.58	12.29	12.81	12.54
			100	0	100	0	21.13	20.06	19.97	20.09	19.02	18.93

CA_38C	PCC	SCC	PCC RB		SCC1 RB		Maximum Output power (dBm)			Second Antenna EIRP (dBm)		
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	QPSK	QPSK	QPSK	64QAM	QPSK	16QAM	64QAM
15MHz+15MHz	2577.5	2592.5	1	74	1	0	22.33	20.81	20.42	20.68	19.16	18.77
			75	0	75	0	21.34	20.20	20.13	19.69	18.55	18.48
	2587.5	2602.5	1	74	1	0	22.26	20.56	20.12	20.61	18.91	18.47
			75	0	75	0	20.80	19.78	19.79	19.15	18.13	18.14
	2597.5	2612.5	1	74	1	0	21.92	20.30	19.96	20.27	18.65	18.31
			75	0	75	0	20.92	19.80	19.70	19.27	18.15	18.05
20MHz+20MHz	2580	2599.8	1	99	1	0	22.26	20.68	20.31	20.61	19.03	18.66
			1	0	1	99	13.14	13.58	23.29	11.49	11.93	21.64
			100	0	100	0	20.80	19.74	19.71	19.15	18.09	18.06
	2585.1	2604.9	1	99	1	0	22.40	20.74	20.35	20.75	19.09	18.70
			1	0	1	99	13.30	13.75	13.46	11.65	12.10	11.81
			100	0	100	0	20.79	19.78	19.74	19.14	18.13	18.09
	2590.2	2610	1	99	1	0	22.29	20.77	20.39	20.64	19.12	18.74
			1	0	1	99	13.33	13.85	13.58	11.68	12.20	11.93
			100	0	100	0	21.13	20.06	19.97	19.48	18.41	18.32

CA_41C	PCC	SCC	PCC RB		SCC1 RB		Maximum Output power (dBm)			Main Antenna EIRP (dBm)		
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5MHz+20MHz	2578.3/40473	2590/40590	1	24	1	0	20.44	20.12	17.81	19.74	19.42	17.11
			25	0	100	0	18.40	17.59	17.55	17.70	16.89	16.85
	2595.8/40648	2607.5/40765	1	24	1	0	20.38	19.96	17.61	19.68	19.26	16.91
			25	0	100	0	18.47	17.74	17.57	17.77	17.04	16.87
	2613.3/40823	2625/40940	1	24	1	0	20.40	20.03	17.72	19.70	19.33	17.02
			25	0	100	0	18.57	17.68	17.70	17.87	16.98	17.00
20MHz+5MHz	2585/40540	2596.7/40657	1	99	1	0	20.25	19.59	17.17	19.55	18.89	16.47
			1	0	1	24	12.05	12.58	12.45	11.35	11.88	11.75
			100	0	25	0	18.21	17.41	17.18	17.51	16.71	16.48
	2602.5/40715	2614.2/40832	1	99	1	0	20.26	19.64	16.96	19.56	18.94	16.26
			1	0	1	24	12.30	12.83	12.59	11.60	12.13	11.89
			100	0	25	0	18.24	17.51	17.56	17.54	16.81	16.86
	2620/40890	2631.7/41007	1	99	1	0	20.10	19.58	17.35	19.40	18.88	16.65
			1	0	1	24	12.68	12.88	12.53	11.98	12.18	11.83
			100	0	25	0	18.41	17.45	17.55	17.71	16.75	16.85
10MHz+20MHz	2580.5/40495	2594.9/40639	1	49	1	0	20.26	19.85	17.52	19.56	19.15	16.82
			50	0	100	0	18.48	17.52	17.69	17.78	16.82	16.99
	2595.6/40646	2610/40790	1	49	1	0	20.40	19.89	17.63	19.70	19.19	16.93
			50	0	100	0	18.54	17.67	17.42	17.84	16.97	16.72
	2610.6/40796	2625/40940	1	49	1	0	20.11	20.08	17.53	19.41	19.38	16.83
			50	0	100	0	18.67	17.71	17.86	17.97	17.01	17.16
20MHz+10MHz	2585/40540	2599.4/40684	1	99	1	0	19.95	19.58	17.22	19.25	18.88	16.52
			100	0	50	0	18.41	17.45	17.27	17.71	16.75	16.57
	2600.1/40691	2614.5/40835	1	99	1	0	20.00	19.58	17.31	19.30	18.88	16.61
			100	0	50	0	18.57	17.25	17.45	17.87	16.55	16.75
	2615.1/40841	2629.5/40985	1	99	1	0	19.85	19.48	17.14	19.15	18.78	16.44
			100	0	50	0	18.58	17.59	17.48	17.88	16.89	16.78
15MHz+15MHz	2582.5/40515	2597.5/40665	1	74	1	0	19.91	19.71	17.36	19.21	19.01	16.66
			75	0	75	0	18.29	17.55	17.54	17.59	16.85	16.84
	2597.5/40665	2612.5/40815	1	74	1	0	20.50	19.67	17.24	19.80	18.97	16.54
			75	0	75	0	18.44	17.63	17.64	17.74	16.93	16.94
	2612.5/40815	2627.5/40965	1	74	1	0	20.26	19.63	17.30	19.56	18.93	16.60
			75	0	75	0	18.47	17.68	17.62	17.77	16.98	16.92
15MHz+20MHz	2582.8/40518	2599.9/40689	1	74	1	0	20.33	19.81	17.32	19.63	19.11	16.62
			75	0	100	0	17.87	17.48	17.57	17.17	16.78	16.87
	2595.3/40643	2612.4/40814	1	74	1	0	20.30	19.77	17.43	19.60	19.07	16.73
			75	0	100	0	18.60	17.91	17.79	17.90	17.21	17.09
	2607.9/40769	2625/40940	1	74	1	0	20.21	19.81	17.43	19.51	19.11	16.73
			75	0	100	0	18.80	17.67	17.77	18.10	16.97	17.07

20MHz+15MHz	2585/40540	2602.1/40711	1	99	1	0	20.03	19.54	17.31	19.33	18.84	16.61
			100	0	75	0	18.41	17.69	17.66	17.71	16.99	16.96
	2597.6/40666	2614.7/40837	1	99	1	0	20.01	19.61	17.22	19.31	18.91	16.52
			100	0	75	0	18.61	17.71	17.58	17.91	17.01	16.88
	2610.1/40791	2627.2/40962	1	99	1	0	20.18	19.66	17.23	19.48	18.96	16.53
			100	0	75	0	18.61	17.69	17.61	17.91	16.99	16.91
20MHz+20MHz	2585/40540	2604.8/40738	1	99	1	0	20.38	19.57	17.65	19.68	18.87	16.95
			1	0	1	99	13.28	13.92	13.40	12.58	13.22	12.70
			100	0	100	0	18.59	17.76	17.86	17.89	17.06	17.16
	2595.1/40641	2614.9/40839	1	99	1	0	19.92	19.63	17.20	19.22	18.93	16.50
			1	0	1	99	13.37	13.98	13.64	12.67	13.28	12.94
			100	0	100	0	18.64	17.72	17.60	17.94	17.02	16.90
	2605.2/40742	2625/40940	1	99	1	0	20.02	19.60	17.32	19.32	18.90	16.62
			1	0	1	99	13.38	13.91	13.82	12.68	13.21	13.12
			100	0	100	0	19.44	17.74	17.88	18.74	17.04	17.18

CA_41C	PCC	SCC	PCC RB		SCC1 RB		Maximum Output power (dBm)			Second Antenna EIRP (dBm)		
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5MHz+20MHz	2578.3/40473	2590/40590	1	24	1	0	20.44	20.12	17.81	18.89	18.57	16.26
			25	0	100	0	18.40	17.59	17.55	16.85	16.04	16.00
	2595.8/40648	2607.5/40765	1	24	1	0	20.38	19.96	17.61	18.83	18.41	16.06
			25	0	100	0	18.47	17.74	17.57	16.92	16.19	16.02
	2613.3/40823	2625/40940	1	24	1	0	20.40	20.03	17.72	18.85	18.48	16.17
			25	0	100	0	18.57	17.68	17.70	17.02	16.13	16.15
20MHz+5MHz	2585/40540	2596.7/40657	1	99	1	0	20.25	19.59	17.17	18.70	18.04	15.62
			1	0	1	24	12.05	12.58	12.45	10.50	11.03	10.90
			100	0	25	0	18.21	17.41	17.18	16.66	15.86	15.63
	2602.5/40715	2614.2/40832	1	99	1	0	20.26	19.64	16.96	18.71	18.09	15.41
			1	0	1	24	12.30	12.83	12.59	10.75	11.28	11.04
			100	0	25	0	18.24	17.51	17.56	16.69	15.96	16.01
	2620/40890	2631.7/41007	1	99	1	0	20.10	19.58	17.35	18.55	18.03	15.80
			1	0	1	24	12.68	12.88	12.53	11.13	11.33	10.98
			100	0	25	0	18.41	17.45	17.55	16.86	15.90	16.00
10MHz+20MHz	2580.5/40495	2594.9/40639	1	49	1	0	20.26	19.85	17.52	18.71	18.30	15.97
			50	0	100	0	18.48	17.52	17.69	16.93	15.97	16.14
	2595.6/40646	2610/40790	1	49	1	0	20.40	19.89	17.63	18.85	18.34	16.08
			50	0	100	0	18.54	17.67	17.42	16.99	16.12	15.87
	2610.6/40796	2625/40940	1	49	1	0	20.11	20.08	17.53	18.56	18.53	15.98
			50	0	100	0	18.67	17.71	17.86	17.12	16.16	16.31
20MHz+10MHz	2585/40540	2599.4/40684	1	99	1	0	19.95	19.58	17.22	18.40	18.03	15.67
			100	0	50	0	18.41	17.45	17.27	16.86	15.90	15.72

	2600.1/40691	2614.5/40835	1	99	1	0	20.00	19.58	17.31	18.45	18.03	15.76
			100	0	50	0	18.57	17.25	17.45	17.02	15.70	15.90
	2615.1/40841	2629.5/40985	1	99	1	0	19.85	19.48	17.14	18.30	17.93	15.59
			100	0	50	0	18.58	17.59	17.48	17.03	16.04	15.93
15MHz+15MHz	2582.5/40515	2597.5/40665	1	74	1	0	19.91	19.71	17.36	18.36	18.16	15.81
			75	0	75	0	18.29	17.55	17.54	16.74	16.00	15.99
	2597.5/40665	2612.5/40815	1	74	1	0	20.50	19.67	17.24	18.95	18.12	15.69
			75	0	75	0	18.44	17.63	17.64	16.89	16.08	16.09
	2612.5/40815	2627.5/40965	1	74	1	0	20.26	19.63	17.30	18.71	18.08	15.75
			75	0	75	0	18.47	17.68	17.62	16.92	16.13	16.07
15MHz+20MHz	2582.8/40518	2599.9/40689	1	74	1	0	20.33	19.81	17.32	18.78	18.26	15.77
			75	0	100	0	17.87	17.48	17.57	16.32	15.93	16.02
	2595.3/40643	2612.4/40814	1	74	1	0	20.30	19.77	17.43	18.75	18.22	15.88
			75	0	100	0	18.60	17.91	17.79	17.05	16.36	16.24
	2607.9/40769	2625/40940	1	74	1	0	20.21	19.81	17.43	18.66	18.26	15.88
			75	0	100	0	18.80	17.67	17.77	17.25	16.12	16.22
20MHz+15MHz	2585/40540	2602.1/40711	1	99	1	0	20.03	19.54	17.31	18.48	17.99	15.76
			100	0	75	0	18.41	17.69	17.66	16.86	16.14	16.11
	2597.6/40666	2614.7/40837	1	99	1	0	20.01	19.61	17.22	18.46	18.06	15.67
			100	0	75	0	18.61	17.71	17.58	17.06	16.16	16.03
	2610.1/40791	2627.2/40962	1	99	1	0	20.18	19.66	17.23	18.63	18.11	15.68
			100	0	75	0	18.61	17.69	17.61	17.06	16.14	16.06
20MHz+20MHz	2585/40540	2604.8/40738	1	99	1	0	20.38	19.57	17.65	18.83	18.02	16.10
			1	0	1	99	13.28	13.92	13.40	11.73	12.37	11.85
			100	0	100	0	18.59	17.76	17.86	17.04	16.21	16.31
	2595.1/40641	2614.9/40839	1	99	1	0	19.92	19.63	17.20	18.37	18.08	15.65
			1	0	1	99	13.37	13.98	13.64	11.82	12.43	12.09
			100	0	100	0	18.64	17.72	17.60	17.09	16.17	16.05
	2605.2/40742	2625/40940	1	99	1	0	20.02	19.60	17.32	18.47	18.05	15.77
			1	0	1	99	13.38	13.91	13.82	11.83	12.36	12.27
			100	0	100	0	19.44	17.74	17.88	17.89	16.19	16.33

5.2 Occupied Bandwidth

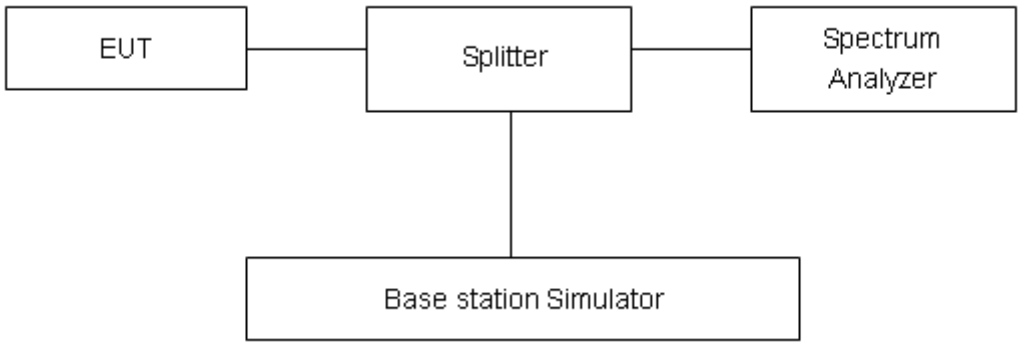
Ambient condition

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 ⩾1%EBW, VBW is set to 3x RBW.
99% power and -26dBc occupied bandwidths are recorded. Spectrum analyzer plots are included on the following pages.

Test Setup



Limits

No specific occupied bandwidth requirements in part 2.1049.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U=624Hz.

Test Result

Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth(MHz)
WCDMA Band IV (RMC)	1312	1712.4	4.12	4.70
	1413	1732.6	4.13	4.69
	1513	1752.6	4.13	4.71

LTE Band 4						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	19957	1710.7	1.10	1.27
			20175	1732.5	1.09	1.29
			20393	1754.3	1.10	1.29
		3	19965	1711.5	2.71	2.98
			20175	1732.5	2.70	2.98
			20385	1753.5	2.71	2.99
		5	19975	1712.5	4.51	4.97
			20175	1732.5	4.52	4.96
			20375	1752.5	4.50	5.00
		10	20000	1715	8.95	9.92
			20175	1732.5	8.99	9.80
			20350	1750	8.99	9.86
		15	20025	1717.5	13.44	14.54
			20175	1732.5	13.43	14.59
			20325	1747.5	13.43	14.61
		20	20050	1720	17.96	19.47
			20175	1732.5	17.96	19.55
			20300	1745	17.94	19.35
	16QAM	1.4	19957	1710.7	1.10	1.29
			20175	1732.5	1.10	1.32
			20393	1754.3	1.09	1.28
		3	19965	1711.5	2.72	2.98
			20175	1732.5	2.71	3.00
			20385	1753.5	2.70	2.98
		5	19975	1712.5	4.51	4.98
			20175	1732.5	4.53	4.95
			20375	1752.5	4.51	4.99
		10	20000	1715	8.98	9.86
			20175	1732.5	8.98	9.81
			20350	1750	8.97	9.82

		15	20025	1717.5	13.43	14.68
			20175	1732.5	13.43	14.45
			20325	1747.5	13.46	14.68
		20	20050	1720	18.00	19.26
			20175	1732.5	17.96	19.40
			20300	1745	17.95	19.52
	64QAM	1.4	19957	1710.7	1.10	1.29
			20175	1732.5	1.10	1.28
			20393	1754.3	1.09	1.29
		3	19965	1711.5	2.71	2.99
			20175	1732.5	2.70	2.99
			20385	1753.5	2.70	3.00
		5	19975	1712.5	4.51	4.95
			20175	1732.5	4.50	5.04
			20375	1752.5	4.53	4.96
		10	20000	1715	8.98	9.81
			20175	1732.5	8.97	9.69
			20350	1750	9.00	9.81
		15	20025	1717.5	13.48	14.69
			20175	1732.5	13.42	14.58
			20325	1747.5	13.45	14.63
		20	20050	1720	17.90	19.42
			20175	1732.5	17.96	19.41
			20300	1745	17.96	19.57

LTE Band 7						
RB	**Modulation**	**Bandwidth (MHz)**	**Channel**	**Frequency (MHz)**	**99% Power Bandwidth(MHz)**	**-26dBc Bandwidth(MHz)**
100%	QPSK	5	20775	2502.5	4.51	4.98
			21100	2535	4.52	4.97
			21425	2567.5	4.51	4.97
		10	20800	2505	8.98	9.85
			21100	2535	9.00	9.75
			21400	2565	9.01	9.69
		15	20825	2507.5	13.47	14.62
			21100	2535	13.45	14.61
			21375	2562.5	13.46	14.78
		20	20850	2510	18.01	19.39
			21100	2535	17.98	19.34
			21350	2560	17.95	19.41

	16QAM	5	20775	2502.5	4.52	4.98
			21100	2535	4.52	4.95
			21425	2567.5	4.52	4.92
		10	20800	2505	9.01	9.83
			21100	2535	9.00	9.66
			21400	2565	8.98	9.76
		15	20825	2507.5	13.47	14.58
			21100	2535	13.46	14.65
			21375	2562.5	13.48	14.60
		20	20850	2510	18.02	19.38
			21100	2535	17.99	19.39
			21350	2560	17.95	19.52
	64QAM	5	20775	2502.5	4.51	4.97
			21100	2535	4.53	5.01
			21425	2567.5	4.53	5.01
		10	20800	2505	9.01	9.71
			21100	2535	8.99	9.71
			21400	2565	8.98	9.91
		15	20825	2507.5	13.51	14.68
			21100	2535	13.45	14.51
			21375	2562.5	13.47	14.56
		20	20850	2510	18.00	19.44
			21100	2535	17.93	19.36
			21350	2560	17.93	19.50

LTE Band 12						
RB	**Modulation**	**Bandwidth (MHz)**	**Channel**	**Frequency (MHz)**	**99% Power Bandwidth(MHz)**	**-26dBc Bandwidth(MHz)**
100%	QPSK	1.4	23017	699.7	1.10	1.29
			23095	707.5	1.10	1.28
			23173	715.3	1.10	1.29
		3	23025	700.5	2.70	2.96
			23095	707.5	2.71	2.98
			23165	714.5	2.70	2.99
		5	23035	701.5	4.52	4.98
			23095	707.5	4.50	4.92
			23155	713.5	4.51	4.95
		10	23060	704	9.00	10.01
			23095	707.5	8.95	9.83
			23130	711	8.95	9.68

	16QAM	1.4	23017	699.7	1.09	1.28
			23095	707.5	1.10	1.31
			23173	715.3	1.10	1.27
		3	23025	700.5	2.69	2.99
			23095	707.5	2.69	2.96
			23165	714.5	2.71	2.99
		5	23035	701.5	4.53	5.00
			23095	707.5	4.52	4.99
			23155	713.5	4.53	4.99
		10	23060	704	9.01	9.80
			23095	707.5	8.94	9.80
			23130	711	8.95	9.84
	64QAM	1.4	23017	699.7	1.10	1.29
			23095	707.5	1.09	1.28
			23173	715.3	1.10	1.27
		3	23025	700.5	2.70	2.98
			23095	707.5	2.71	3.01
			23165	714.5	2.71	3.02
		5	23035	701.5	4.52	5.01
			23095	707.5	4.52	4.99
			23155	713.5	4.54	4.99
		10	23060	704	9.01	9.77
			23095	707.5	8.97	9.72
			23130	711	8.97	9.78

LTE Band 13						
RB	**Modulation**	**Bandwidth (MHz)**	**Channel**	**Frequency (MHz)**	**99% Power Bandwidth(MHz)**	**-26dBc Bandwidth(MHz)**
100%	QPSK	5	23205	779.5	4.51	4.96
			23230	782	4.51	4.96
			23255	784.5	4.52	4.99
		10	23230	782	8.97	9.78
	16QAM	5	23205	779.5	4.52	5.00
			23230	782	4.51	4.92
			23255	784.5	4.52	5.03
		10	23230	782	8.95	9.79
	64QAM	5	23205	779.5	4.52	5.01
			23230	782	4.52	4.94
			23255	784.5	4.52	5.04
		10	23230	782	8.98	9.84

LTE Band 17						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	23755	706.5	4.52	4.98
			23790	710	4.50	4.98
			23825	713.5	4.53	4.95
		10	23780	709	8.97	9.97
			23790	710	8.97	9.86
			23800	711	8.96	9.86
	16QAM	5	23755	706.5	4.51	4.98
			23790	710	4.51	4.95
			23825	713.5	4.53	4.98
		10	23780	709	8.98	9.77
			23790	710	8.95	9.73
			23800	711	8.97	9.79
	64QAM	5	23755	706.5	4.51	5.00
			23790	710	4.51	5.02
			23825	713.5	4.51	4.97
		10	23780	709	8.95	9.80
			23790	710	8.97	9.66
			23800	711	8.98	9.70

LTE Band 38						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	37775	2572.5	4.49	5.16
			38000	2595	4.50	4.95
			38225	2617.5	4.51	4.97
		10	37800	2575	9.00	10.14
			38000	2595	8.99	9.92
			38200	2615	8.96	10.31
		15	37825	2577.5	13.48	14.41
			38000	2595	13.47	14.50
			38175	2612.5	13.44	14.83
		20	37850	2580	17.98	19.64
			38000	2595	17.95	19.68
			38150	2610	17.91	20.13
	16QAM	5	37775	2572.5	4.50	4.93
			38000	2595	4.51	4.96
			38225	2617.5	4.50	4.94
		10	37800	2575	8.98	9.63
			38000	2595	8.98	9.69
			38200	2615	8.99	9.71
		15	37825	2577.5	13.48	14.66
			38000	2595	13.50	14.63
			38175	2612.5	13.44	14.59
		20	37850	2580	17.93	19.26
			38000	2595	17.89	19.49
			38150	2610	17.94	19.16
	64QAM	5	37775	2572.5	4.50	4.93
			38000	2595	4.51	4.94
			38225	2617.5	4.54	5.04
		10	37800	2575	9.01	10.01
			38000	2595	8.99	9.73
			38200	2615	9.01	9.68
		15	37825	2577.5	13.46	14.54
			38000	2595	13.49	14.53
			38175	2612.5	13.43	14.54
		20	37850	2580	17.93	19.20
			38000	2595	17.90	19.29
			38150	2610	17.99	19.27

LTE Band 41						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	39675	2498.5	4.50	4.92
			40620	2593	4.52	4.96
			41565	2687.5	4.52	4.97
		10	39700	2501	8.99	9.68
			40620	2593	8.98	9.83
			41540	2685	8.98	10.16
		15	39725	2503.5	13.45	14.35
			40620	2593	13.48	14.58
			41515	2682.5	13.41	14.82
		20	39750	2506	17.94	19.20
			40620	2593	17.95	19.24
			41490	2680	17.90	19.39
	16QAM	5	39675	2498.5	4.50	4.91
			40620	2593	4.51	4.98
			41565	2687.5	4.50	4.85
		10	39700	2501	8.99	9.84
			40620	2593	8.95	9.87
			41540	2685	9.01	9.77
		15	39725	2503.5	13.49	14.50
			40620	2593	13.45	14.38
			41515	2682.5	13.44	15.21
		20	39750	2506	17.88	19.34
			40620	2593	17.97	19.35
			41490	2680	17.98	19.24
	64QAM	5	39675	2498.5	4.50	4.93
			40620	2593	4.51	5.05
			41565	2687.5	4.49	4.98
		10	39700	2501	8.98	10.09
			40620	2593	8.96	9.56
			41540	2685	9.02	9.70
		15	39725	2503.5	13.46	14.77
			40620	2593	13.48	14.39
			41515	2682.5	13.47	14.62
		20	39750	2506	17.95	19.14
			40620	2593	17.92	19.44
			41490	2680	17.99	19.21

LTE Band 66						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	131979	1710.7	1.11	1.30
			132322	1745	1.09	1.32
			132665	1779.3	1.10	1.30
		3	131987	1711.5	2.71	3.00
			132322	1745	2.70	3.00
			132657	1778.5	2.71	2.99
		5	131997	1712.5	4.51	4.98
			132322	1745	4.52	4.98
			132647	1777.5	4.50	4.99
		10	132022	1715	9.00	10.00
			132322	1745	8.98	9.76
			132622	1775	9.00	9.88
		15	132047	1717.5	13.42	14.47
			132322	1745	13.45	14.72
			132597	1772.5	13.47	14.73
		20	132072	1720	17.90	19.35
			132322	1745	17.91	19.21
			132572	1770	17.98	19.58
	16QAM	1.4	131979	1710.7	1.10	1.29
			132322	1745	1.10	1.31
			132665	1779.3	1.09	1.29
		3	131987	1711.5	2.70	3.00
			132322	1745	2.70	2.99
			132657	1778.5	2.70	2.99
		5	131997	1712.5	4.51	4.97
			132322	1745	4.51	4.92
			132647	1777.5	4.52	4.97
		10	132022	1715	8.99	9.77
			132322	1745	8.99	9.79
			132622	1775	8.97	9.93
		15	132047	1717.5	13.48	14.74
			132322	1745	13.46	14.59
			132597	1772.5	13.47	14.60
		20	132072	1720	17.91	19.32
			132322	1745	17.97	19.49
			132572	1770	17.94	19.38

	64QAM	1.4	131979	1710.7	1.10	1.29
			132322	1745	1.10	1.30
			132665	1779.3	1.09	1.26
		3	131987	1711.5	2.70	2.94
			132322	1745	2.71	2.98
			132657	1778.5	2.70	3.01
		5	131997	1712.5	4.50	4.97
			132322	1745	4.52	5.05
			132647	1777.5	4.54	5.05
		10	132022	1715	8.95	9.80
			132322	1745	8.98	9.76
			132622	1775	8.98	9.77
		15	132047	1717.5	13.45	14.55
			132322	1745	13.43	14.60
			132597	1772.5	13.50	14.51
		20	132072	1720	17.94	19.57
			132322	1745	17.97	19.49
			132572	1770	17.97	19.52

CA Band

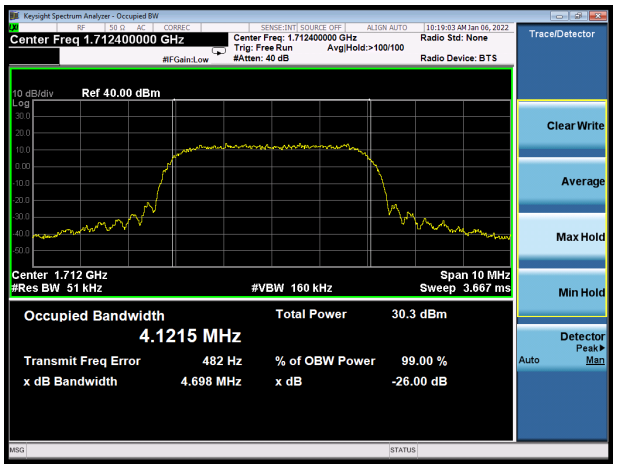
CA_7C	PCC		SCC1		PCC RB	SCC1 RB	Bandwidth(MHz)	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)			99% Power	-26dBc
CA_7C_10MHz+20MHz_QPSK	21006	2525.6	21150	2540	50#0	75#0	28.14	30.17
CA_7C_10MHz+20MHz_16QAM	21006	2525.6	21150	2540	50#0	75#0	28.08	30.11
CA_7C_10MHz+20MHz_64QAM	21006	2525.6	21150	2540	50#0	75#0	28.09	30.11
CA_7C_20MHz+10MHz_QPSK	21051	2530.1	21195	2544.5	75#0	50#0	28.17	30.37
CA_7C_20MHz+10MHz_16QAM	21051	2530.1	21195	2544.5	75#0	50#0	28.19	30.23
CA_7C_20MHz+10MHz_64QAM	21051	2530.1	21195	2544.5	75#0	50#0	28.22	30.20
CA_7C_15MHz+15MHz_QPSK	21025	2527.5	21175	2542.5	75#0	75#0	28.73	30.85
CA_7C_15MHz+15MHz_16QAM	21025	2527.5	21175	2542.5	75#0	75#0	28.67	30.77
CA_7C_15MHz+15MHz_64QAM	21025	2527.5	21175	2542.5	75#0	75#0	28.66	30.90
CA_7C_15MHz+20MHz_QPSK	21003	2525.3	21174	2542.4	75#0	100#0	32.85	35.31
CA_7C_15MHz+20MHz_16QAM	21003	2525.3	21174	2542.4	75#0	100#0	32.82	35.23
CA_7C_15MHz+20MHz_64QAM	21003	2525.3	21174	2542.4	75#0	100#0	32.83	35.18
CA_7C_20MHz+15MHz_QPSK	21026	2527.6	21197	2544.7	100#0	75#0	32.89	35.33
CA_7C_20MHz+15MHz_16QAM	21026	2527.6	21197	2544.7	100#0	75#0	32.94	35.25
CA_7C_20MHz+15MHz_64QAM	21026	2527.6	21197	2544.7	100#0	75#0	32.90	35.27
CA_7C_20MHz+20MHz_QPSK	21001	2525.1	21199	2544.9	100#0	100#0	37.66	40.16
CA_7C_20MHz+20MHz_16QAM	21001	2525.1	21199	2544.9	100#0	100#0	37.67	40.00
CA_7C_20MHz+20MHz_64QAM	21001	2525.1	21199	2544.9	100#0	100#0	37.68	40.18

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	28.60	34.07
CA_38C_15MHz+15MHz_16QAM	37925	2587.5	38075	2602.5	75#0	75#0	28.64	32.02
CA_38C_15MHz+15MHz_64QAM	37925	2587.5	38075	2602.5	75#0	75#0	28.65	32.74
CA_38C_20MHz+20MHz_QPSK	37901	2585.1	38099	2604.9	100#0	100#0	37.54	40.01
CA_38C_20MHz+20MHz_16QAM	37901	2585.1	38099	2604.9	100#0	100#0	37.46	40.55
CA_38C_20MHz+20MHz_64QAM	37901	2585.1	38099	2604.9	100#0	100#0	37.42	41.58

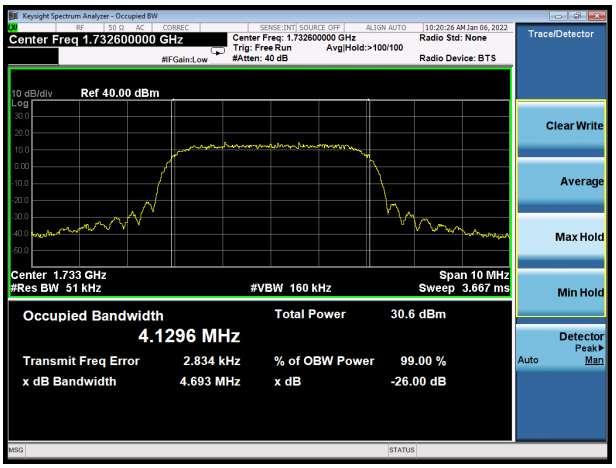
CA_41C	PCC		SCC1		PCC RB	SCC1 RB	Bandwidth(MHz)	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)			99% Power	-26dBc
CA_41C_5MHz+20MHz_QPSK	40648	2595.8	40765	2607.5	25#0	100#0	23.25	25.02
CA_41C_5MHz+20MHz_16QAM	40648	2595.8	40765	2607.5	25#0	100#0	23.16	24.92
CA_41C_5MHz+20MHz_64QAM	40648	2595.8	40765	2607.5	25#0	100#0	23.25	24.93
CA_41C_20MHz+5MHz_QPSK	40715	2602.5	40832	2614.2	100#0	25#0	23.31	25.30
CA_41C_20MHz+5MHz_16QAM	40715	2602.5	40832	2614.2	100#0	25#0	23.24	25.13
CA_41C_20MHz+5MHz_64QAM	40715	2602.5	40832	2614.2	100#0	25#0	23.26	25.03

CA_41C_10MHz+20MHz_QPSK	40646	2595.6	40790	2610	50#0	100#0	27.94	30.13
CA_41C_10MHz+20MHz_16QAM	40646	2595.6	40790	2610	50#0	100#0	28.00	30.05
CA_41C_10MHz+20MHz_64QAM	40646	2595.6	40790	2610	50#0	100#0	27.91	29.99
CA_41C_20MHz+10MHz_QPSK	40691	2600.1	40835	2614.5	100#0	50#0	28.04	30.65
CA_41C_20MHz+10MHz_16QAM	40691	2600.1	40835	2614.5	100#0	50#0	28.05	32.24
CA_41C_20MHz+10MHz_64QAM	40691	2600.1	40835	2614.5	100#0	50#0	27.93	30.09
CA_41C_15MHz+15MHz_QPSK	40665	2597.5	40815	2612.5	75#0	75#0	28.56	30.72
CA_41C_15MHz+15MHz_16QAM	40665	2597.5	40815	2612.5	75#0	75#0	28.59	30.71
CA_41C_15MHz+15MHz_64QAM	40665	2597.5	40815	2612.5	75#0	75#0	28.49	31.67
CA_41C_15MHz+20MHz_QPSK	40643	2595.3	40814	2612.4	75#0	100#0	32.70	35.34
CA_41C_15MHz+20MHz_16QAM	40643	2595.3	40814	2612.4	75#0	100#0	32.71	34.97
CA_41C_15MHz+20MHz_64QAM	40643	2595.3	40814	2612.4	75#0	100#0	32.72	36.62
CA_41C_20MHz+15MHz_QPSK	40666	2597.6	40837	2614.7	100#0	75#0	32.63	34.93
CA_41C_20MHz+15MHz_16QAM	40666	2597.6	40837	2614.7	100#0	75#0	32.86	36.47
CA_41C_20MHz+15MHz_64QAM	40666	2597.6	40837	2614.7	100#0	75#0	32.68	34.94
CA_41C_20MHz+20MHz_QPSK	40641	2595.1	40839	2614.9	100#0	100#0	37.43	41.09
CA_41C_20MHz+20MHz_16QAM	40641	2595.1	40839	2614.9	100#0	100#0	37.44	42.73
CA_41C_20MHz+20MHz_64QAM	40641	2595.1	40839	2614.9	100#0	100#0	37.34	41.03

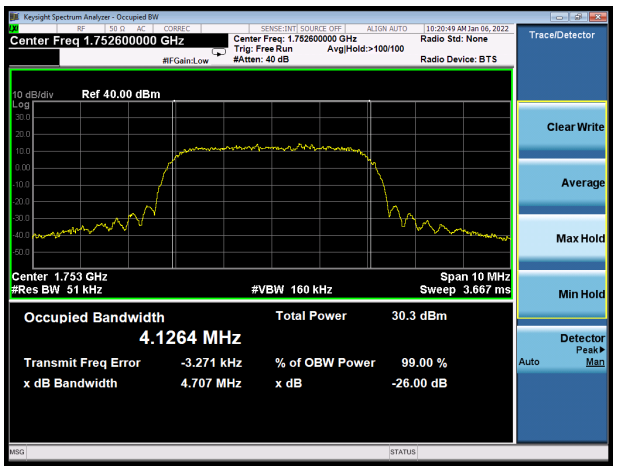
WCDMA Band IV CH-Low



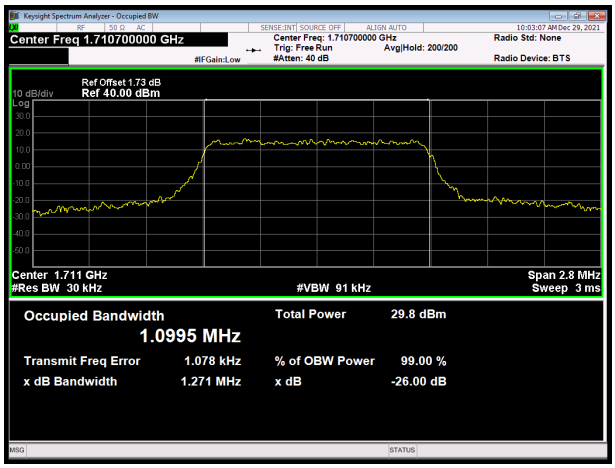
WCDMA Band IV CH Middle



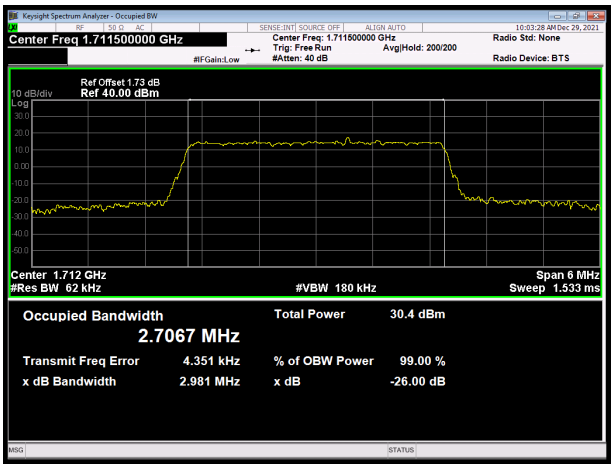
WCDMA Band IV CH High



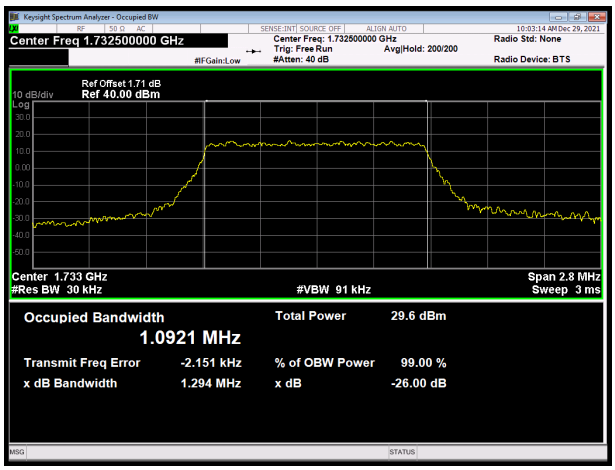
LTE Band 4 QPSK 1.4MHz CH-Low



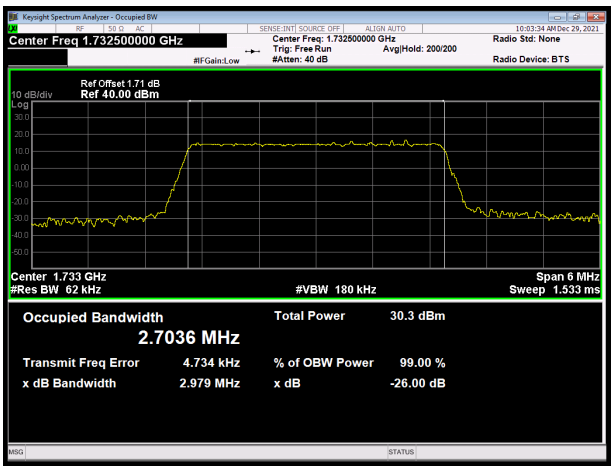
LTE Band 4 QPSK 3MHz CH-Low



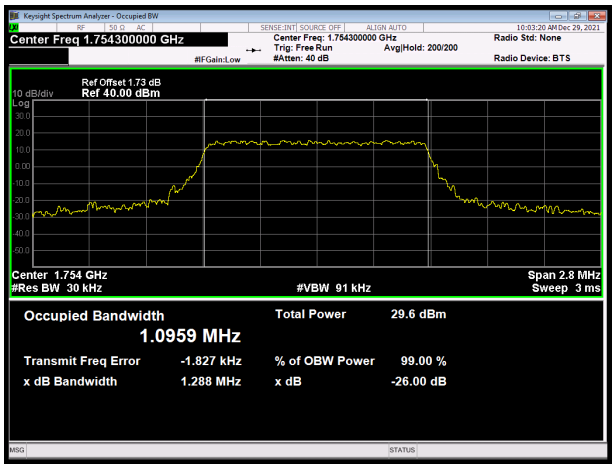
LTE Band 4 QPSK 1.4MHz CH-Middle



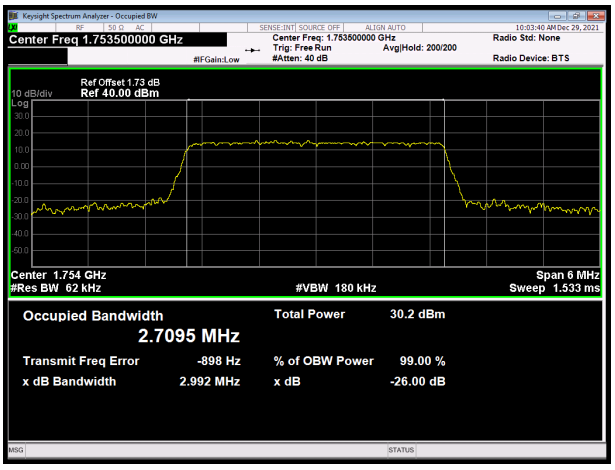
LTE Band 4 QPSK 3MHz CH-Middle



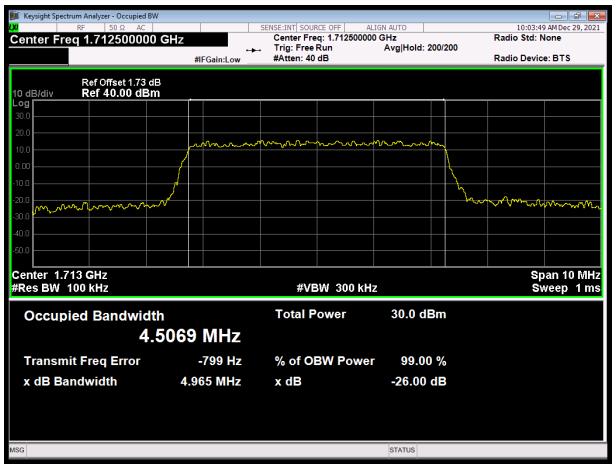
LTE Band 4 QPSK 1.4MHz CH-High



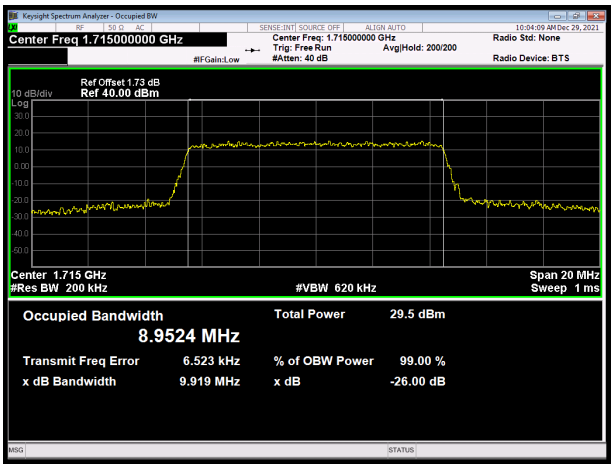
LTE Band 4 QPSK 3MHz CH-High



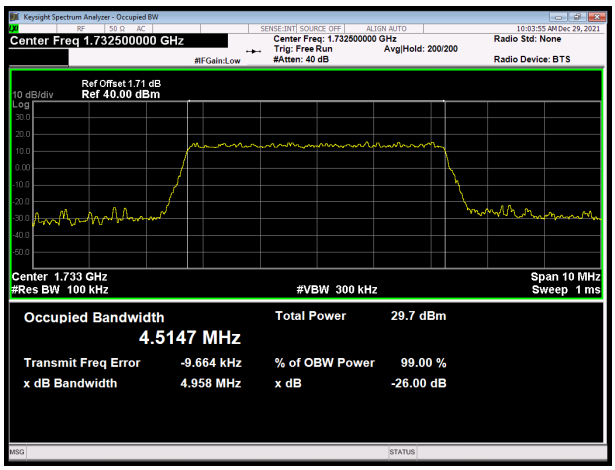
LTE Band 4 QPSK 5MHz CH-Low



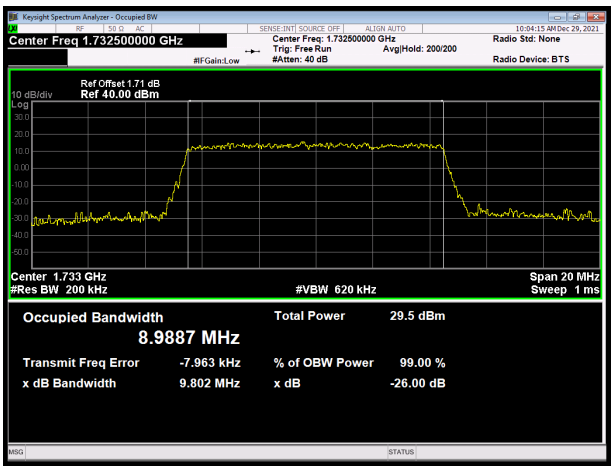
LTE Band 4 QPSK 10MHz CH-Low



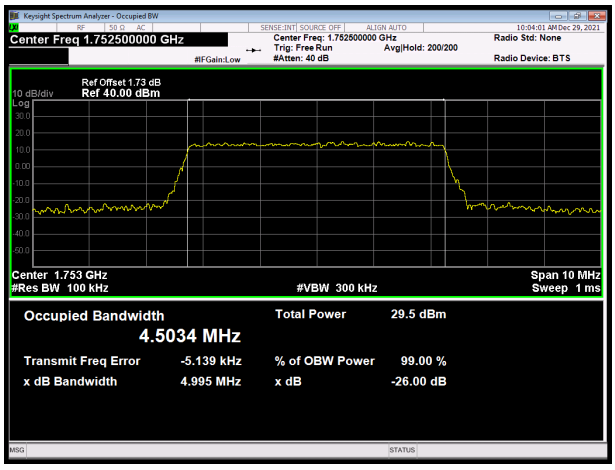
LTE Band 4 QPSK 5MHz CH-Middle



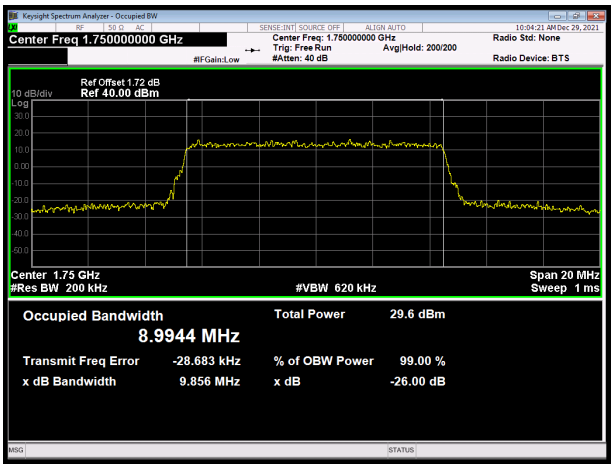
LTE Band 4 QPSK 10MHz CH-Middle



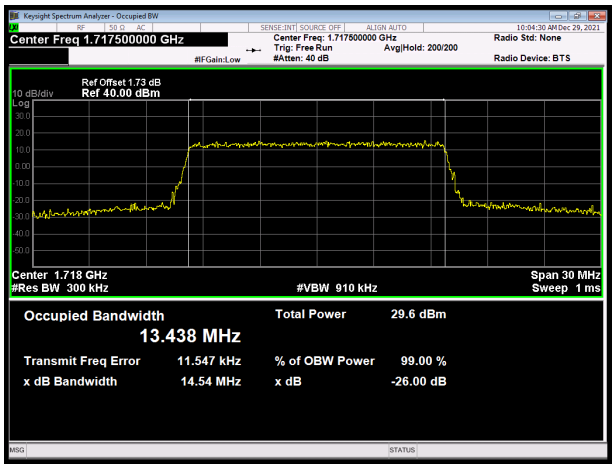
LTE Band 4 QPSK 5MHz CH-High



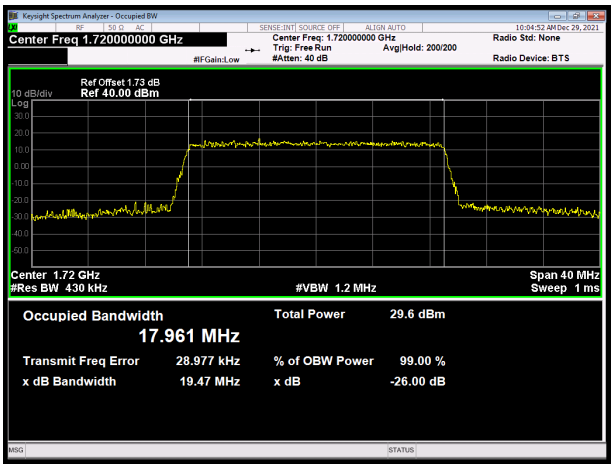
LTE Band 4 QPSK 10MHz CH-High



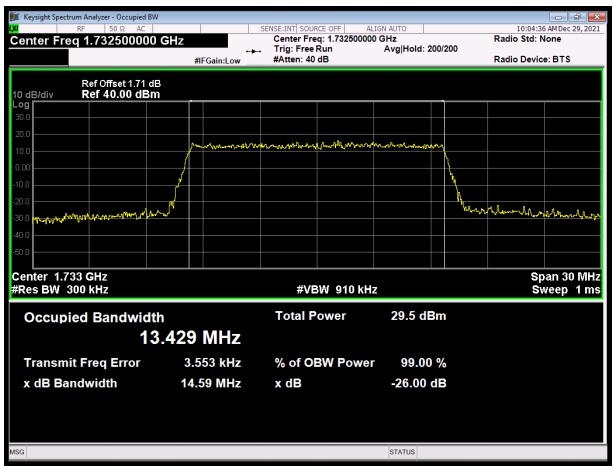
LTE Band 4 QPSK 15MHz CH-Low



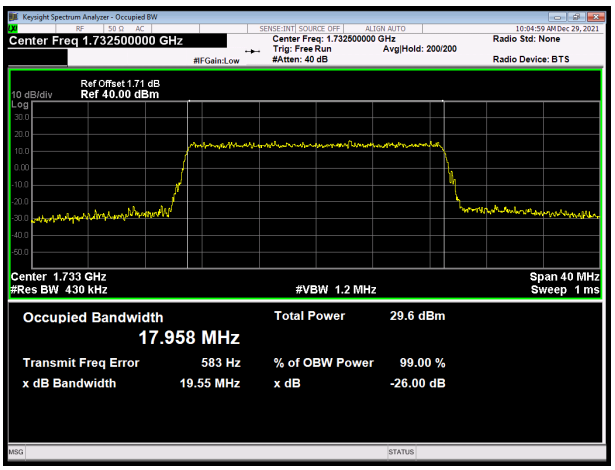
LTE Band 4 QPSK 20MHz CH-Low



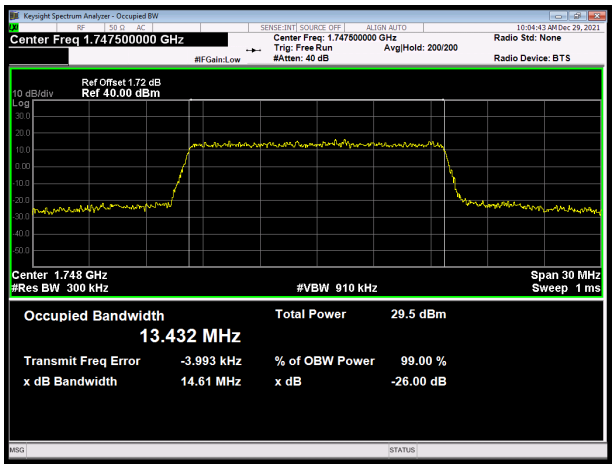
LTE Band 4 QPSK 15MHz CH-Middle



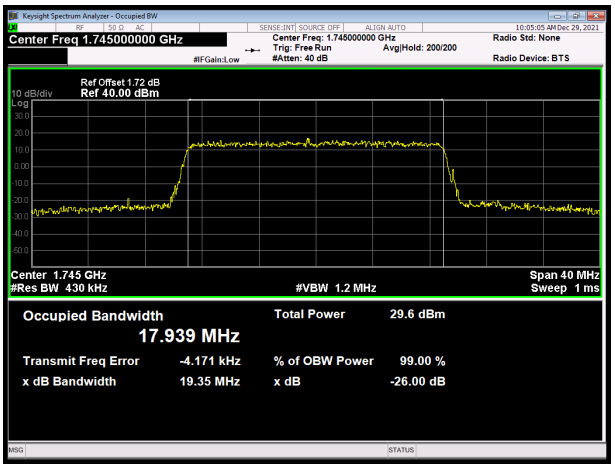
LTE Band 4 QPSK 20MHz CH-Middle



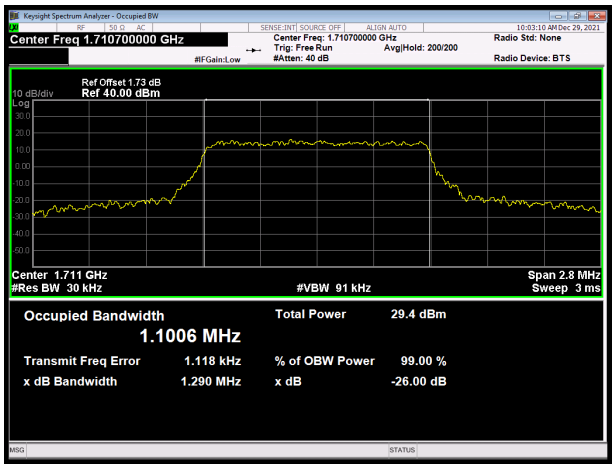
LTE Band 4 QPSK 15MHz CH-High



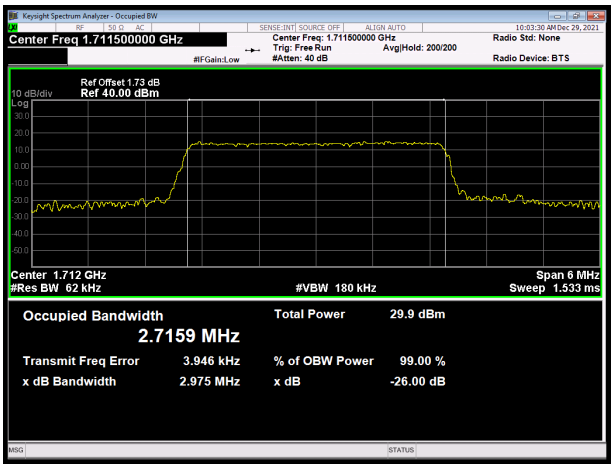
LTE Band 4 QPSK 20MHz CH-High



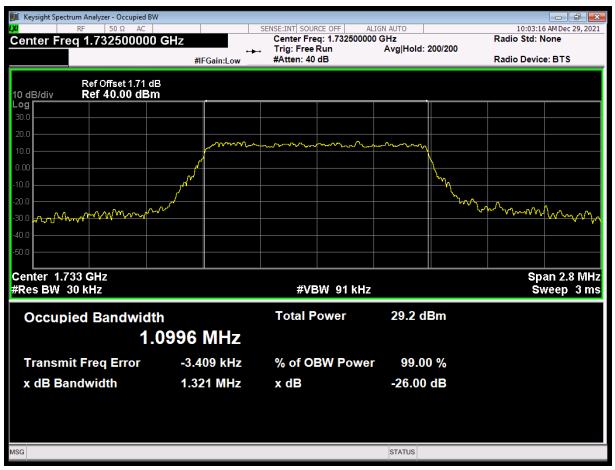
LTE Band 4 16QAM 1.4MHz CH-Low



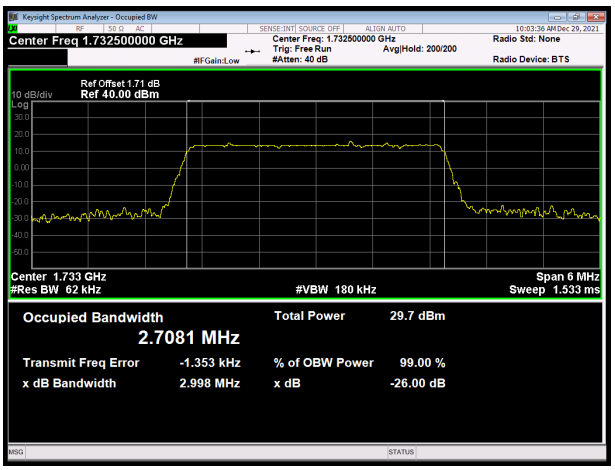
LTE Band 4 16QAM 3MHz CH-Low



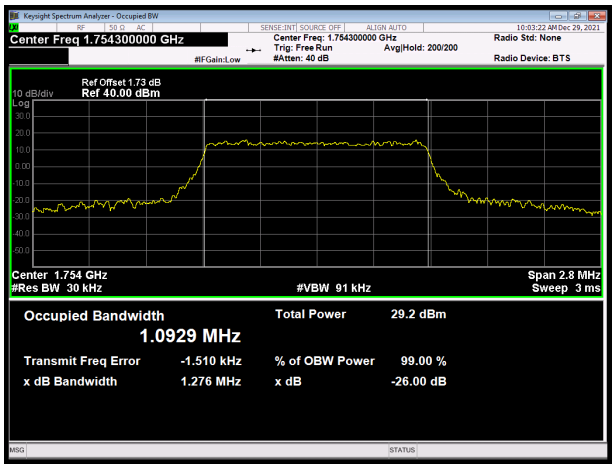
LTE Band 4 16QAM 1.4MHz CH-Middle



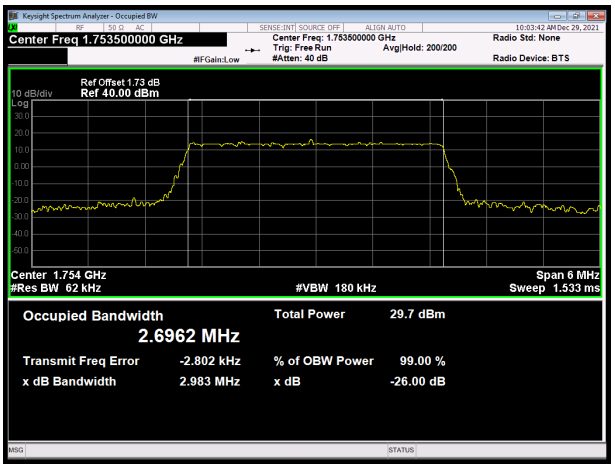
LTE Band 4 16QAM 3MHz CH-Middle



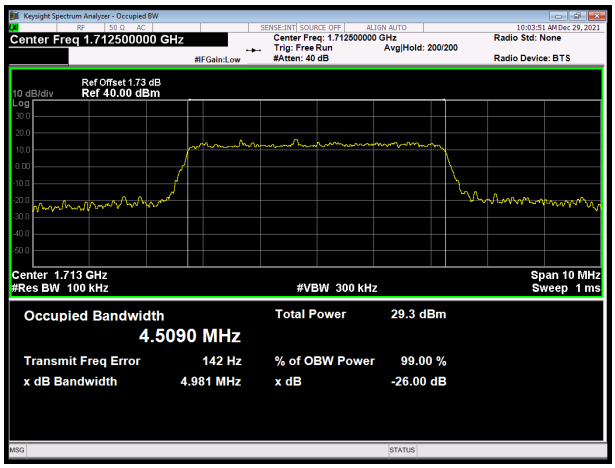
LTE Band 4 16QAM 1.4MHz CH-High



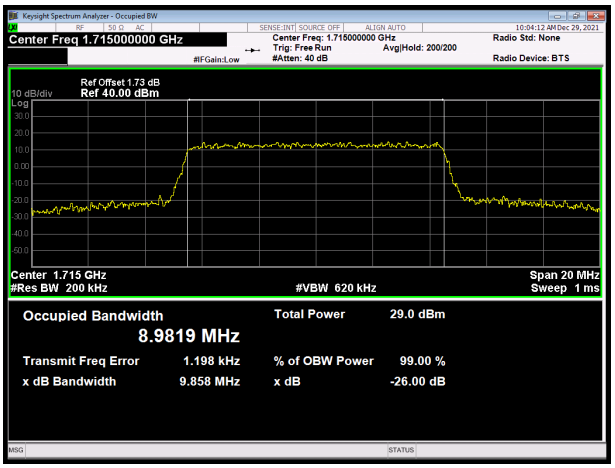
LTE Band 4 16QAM 3MHz CH-High



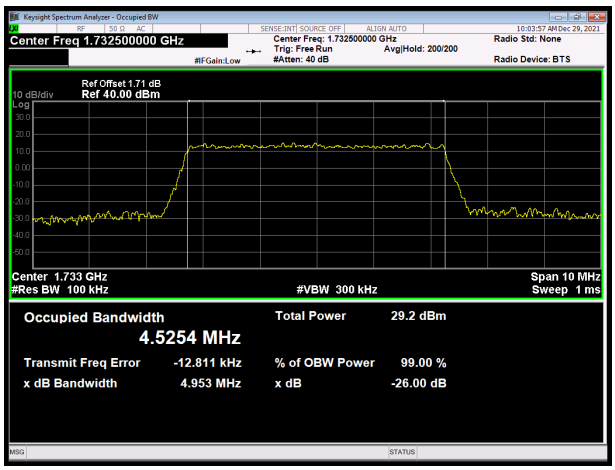
LTE Band 4 16QAM 5MHz CH-Low



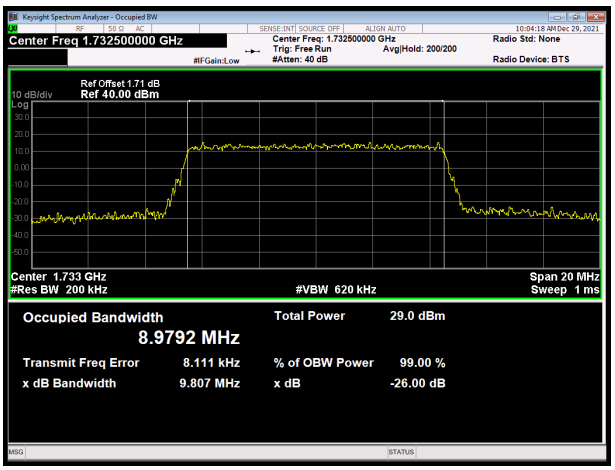
LTE Band 4 16QAM 10MHz CH-Low



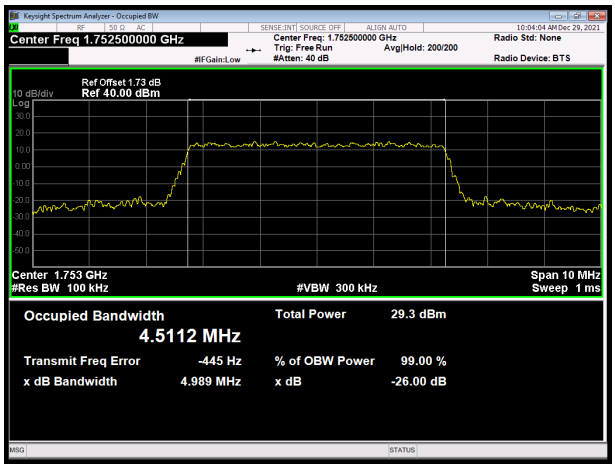
LTE Band 4 16QAM 5MHz CH-Middle



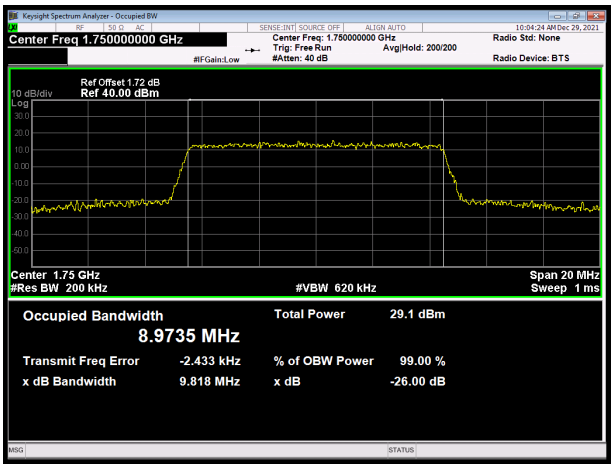
LTE Band 4 16QAM 10MHz CH-Middle



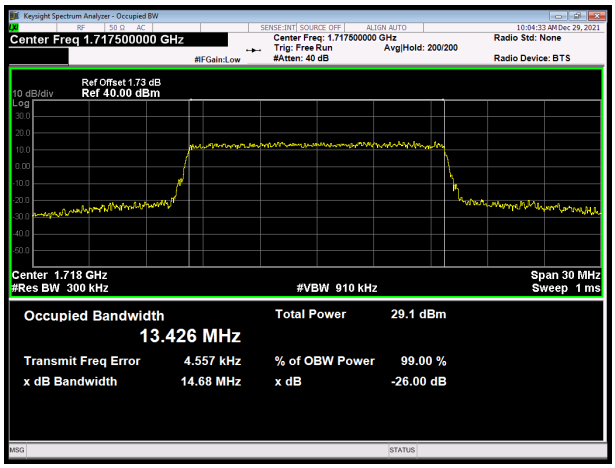
LTE Band 4 16QAM 5MHz CH-High



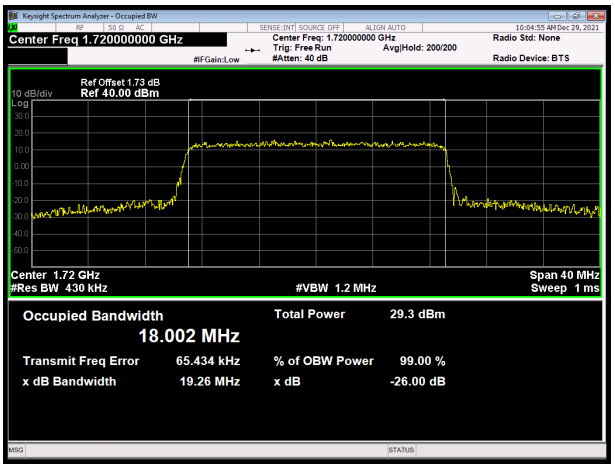
LTE Band 4 16QAM 10MHz CH-High



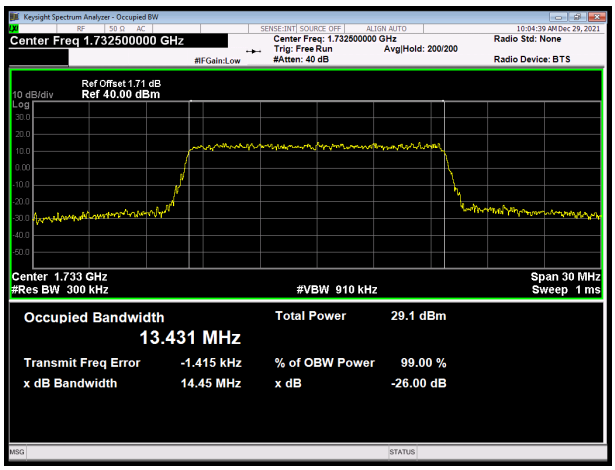
LTE Band 4 16QAM 15MHz CH-Low



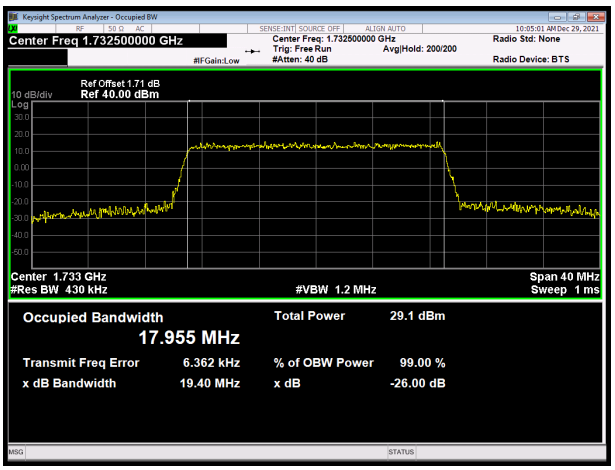
LTE Band 4 16QAM 20MHz CH-Low



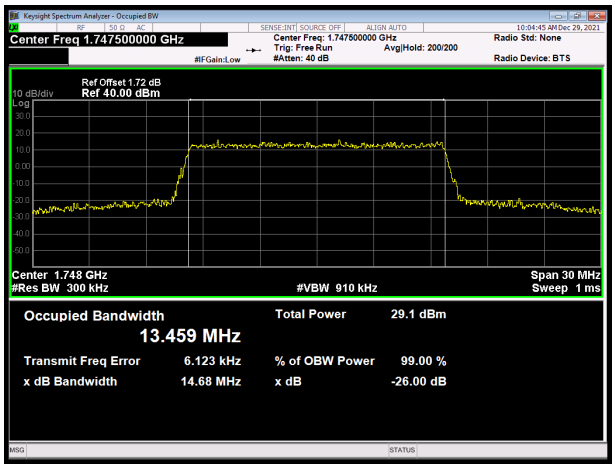
LTE Band 4 16QAM 15MHz CH-Middle



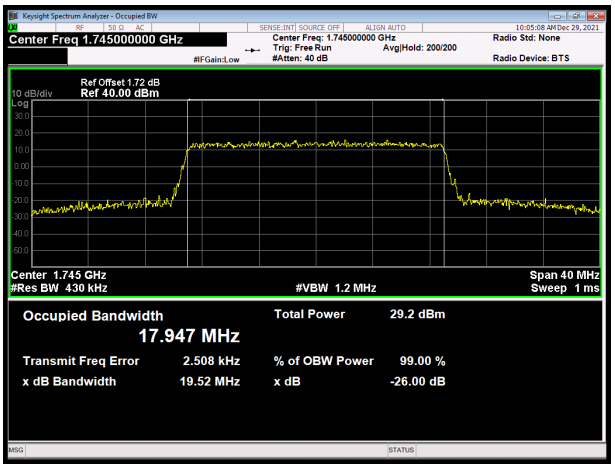
LTE Band 4 16QAM 20MHz CH-Middle



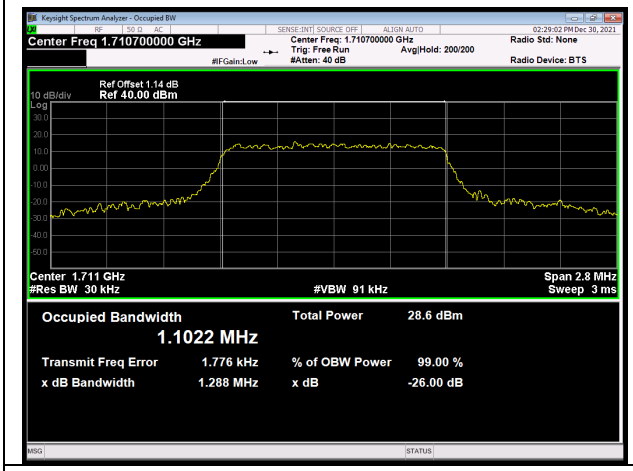
LTE Band 4 16QAM 15MHz CH-High



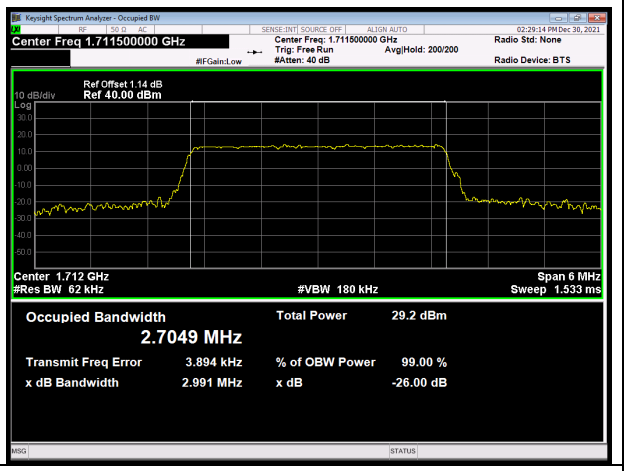
LTE Band 4 16QAM 20MHz CH-High



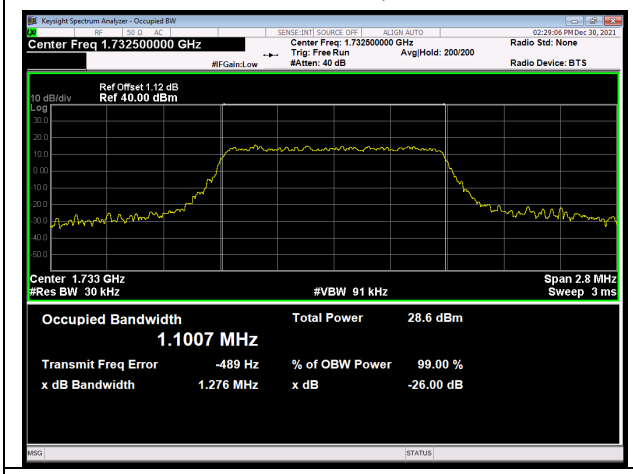
LTE Band 4 1.4MHz 64QAM CH-Low



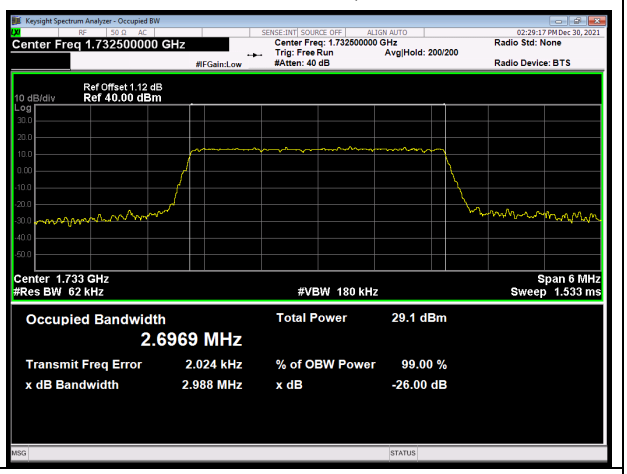
LTE Band 4 3MHz 64QAM CH-Low



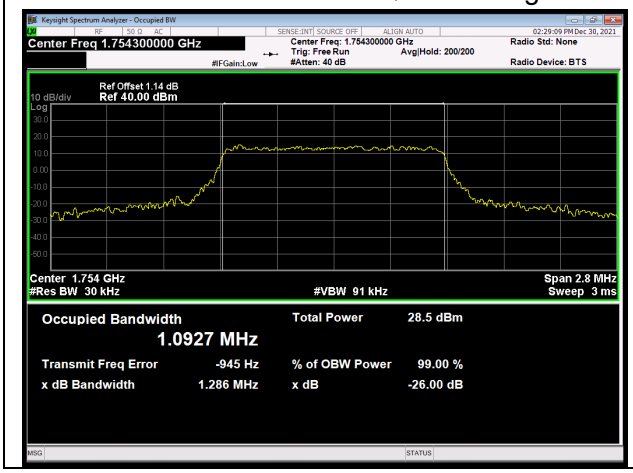
LTE Band 4 1.4MHz 64QAM CH-Middle



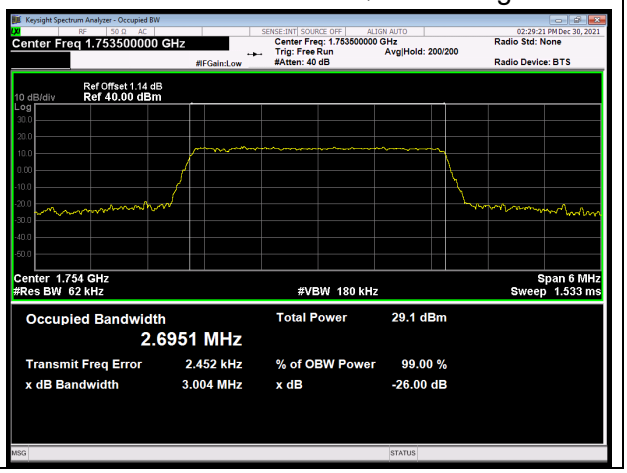
LTE Band 4 3MHz 64QAM CH-Middle



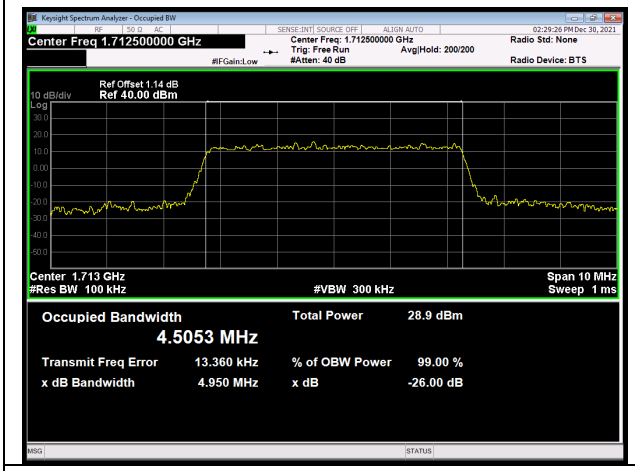
LTE Band 4 1.4MHz 64QAM CH-High



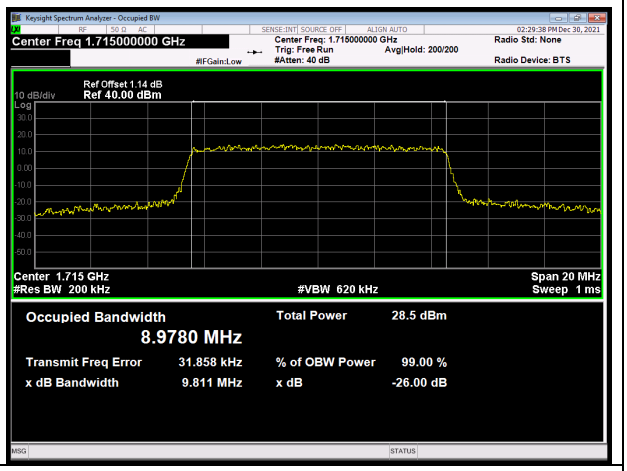
LTE Band 4 3MHz 64QAM CH-High



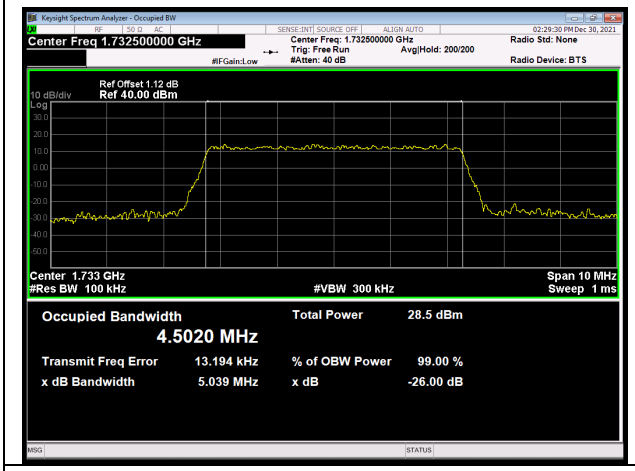
LTE Band 4 5MHz 64QAM CH-Low



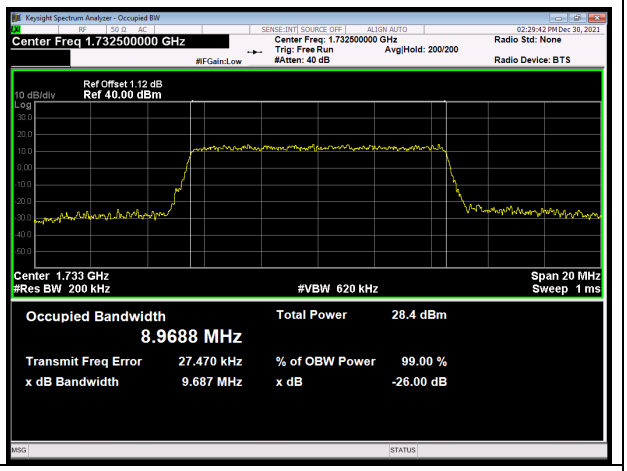
LTE Band 4 10MHz 64QAM CH-Low



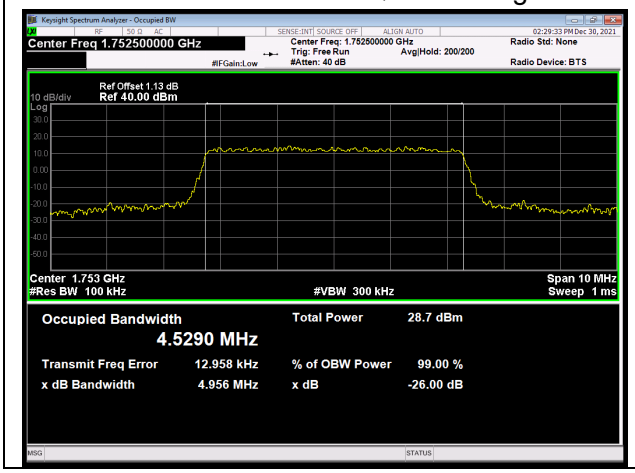
LTE Band 4 5MHz 64QAM CH-Middle



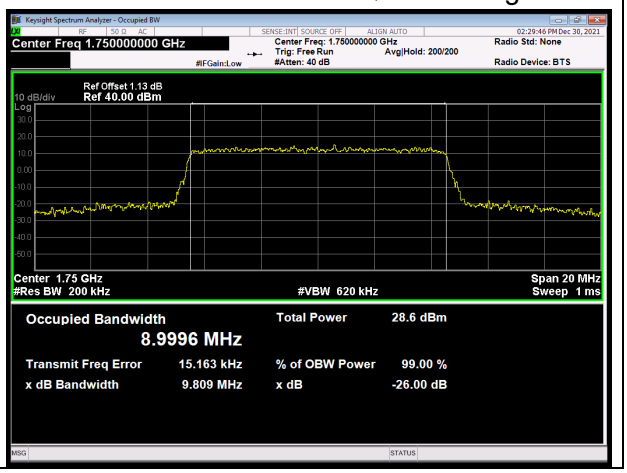
LTE Band 4 10MHz 64QAM CH-Middle



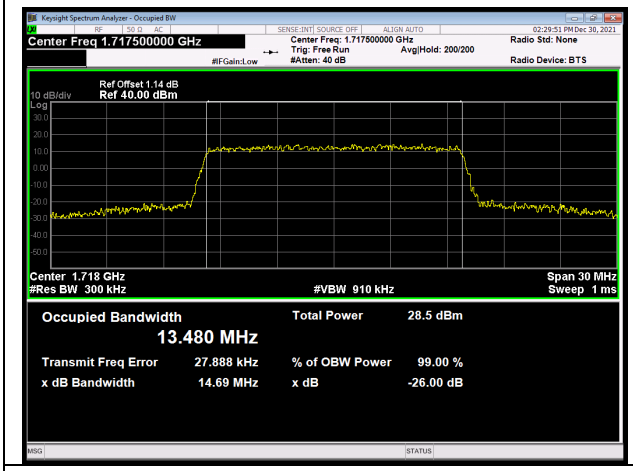
LTE Band 4 5MHz 64QAM CH-High



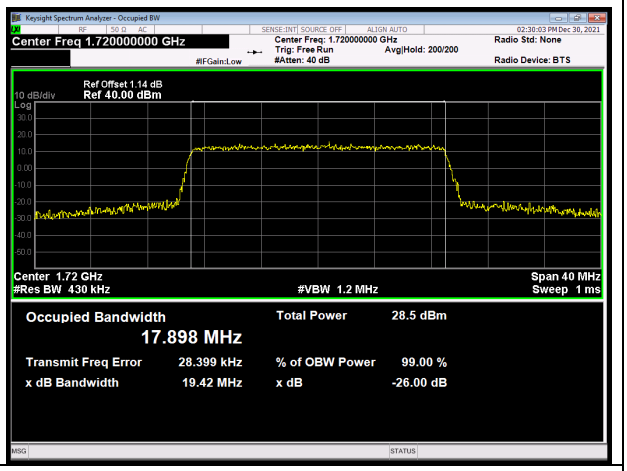
LTE Band 4 10MHz 64QAM CH-High



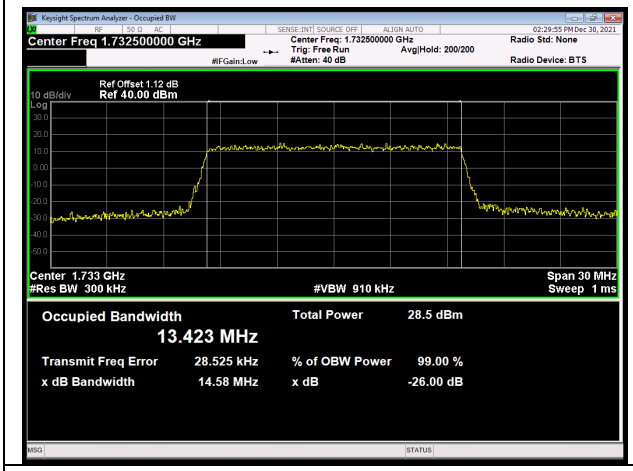
LTE Band 4 15MHz 64QAM CH-Low



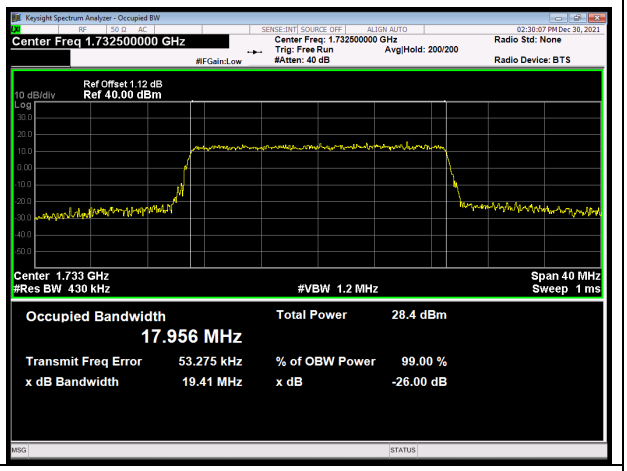
LTE Band 4 20MHz 64QAM CH-Low



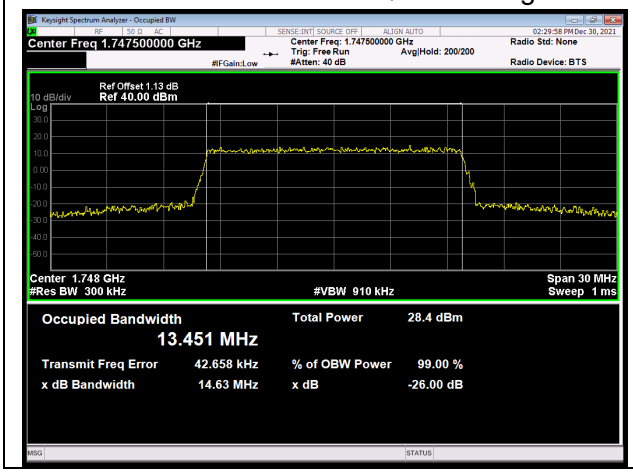
LTE Band 4 15MHz 64QAM CH-Middle



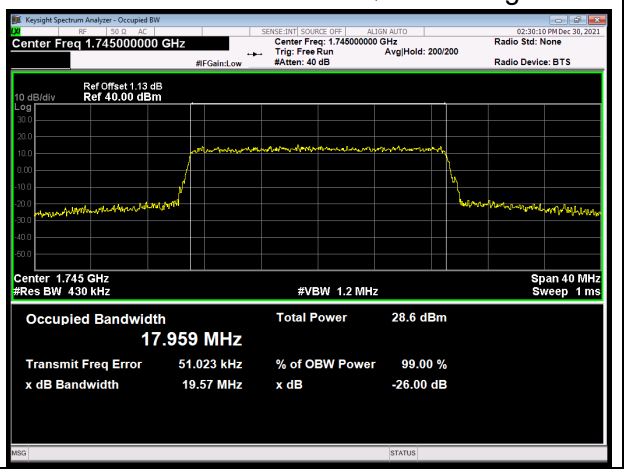
LTE Band 4 20MHz 64QAM CH-Middle



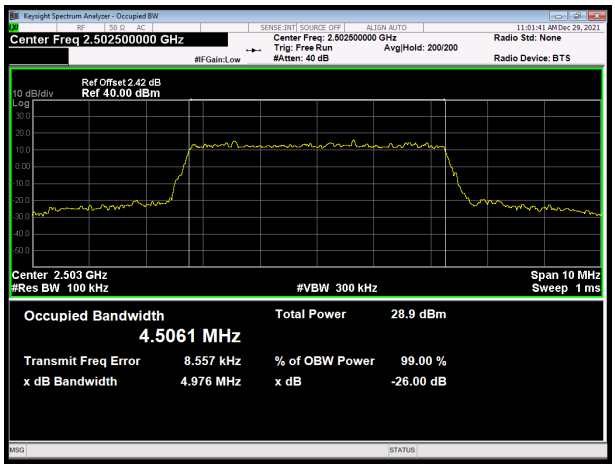
LTE Band 4 15MHz 64QAM CH-High



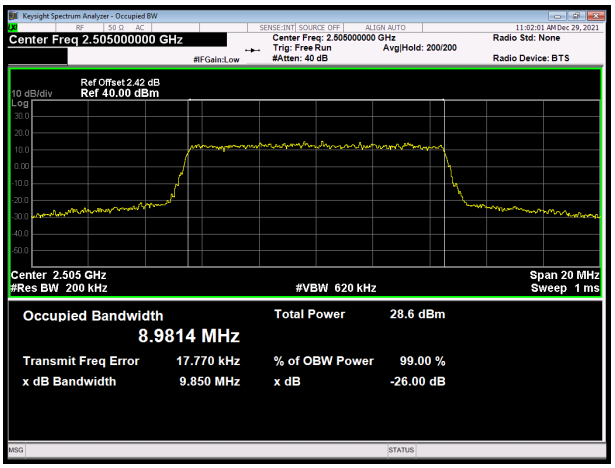
LTE Band 4 20MHz 64QAM CH-High



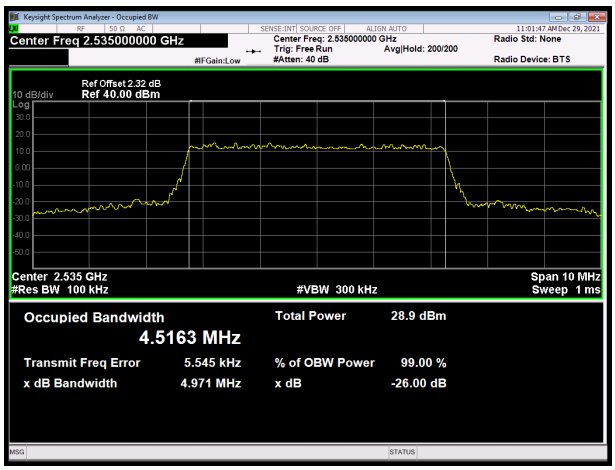
LTE Band 7 QPSK 5MHz CH-Low



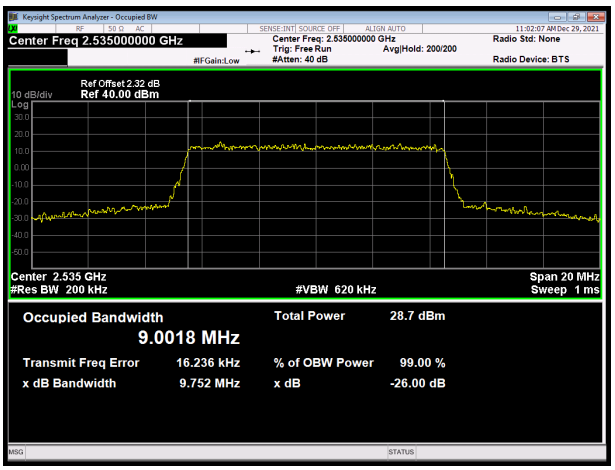
LTE Band 7 QPSK 10MHz CH-Low



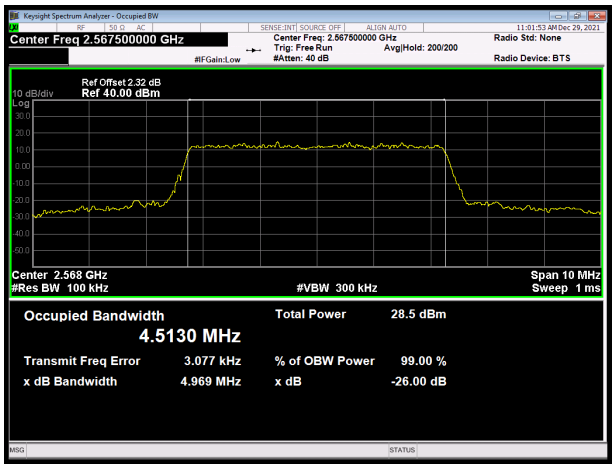
LTE Band 7 QPSK 5MHz CH-Middle



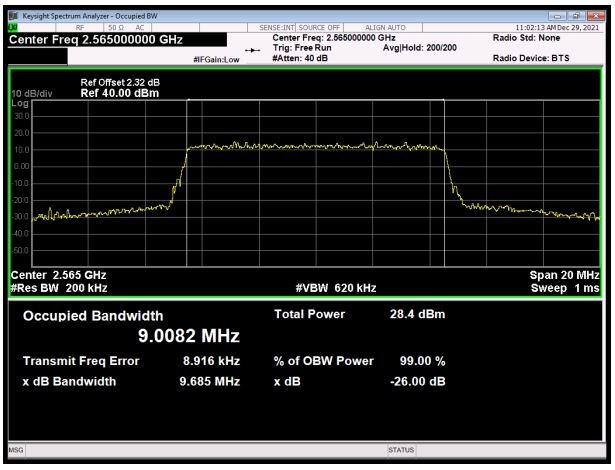
LTE Band 7 QPSK 10MHz CH-Middle



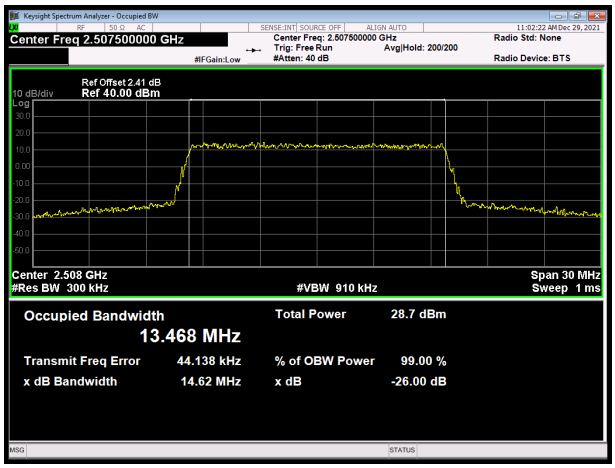
LTE Band 7 QPSK 5MHz CH-High



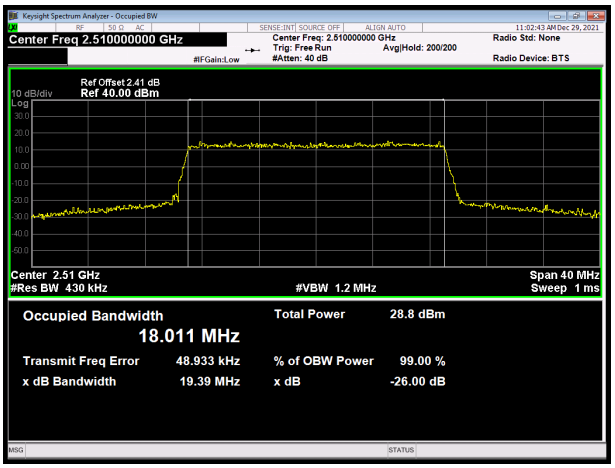
LTE Band 7 QPSK 10MHz CH-High



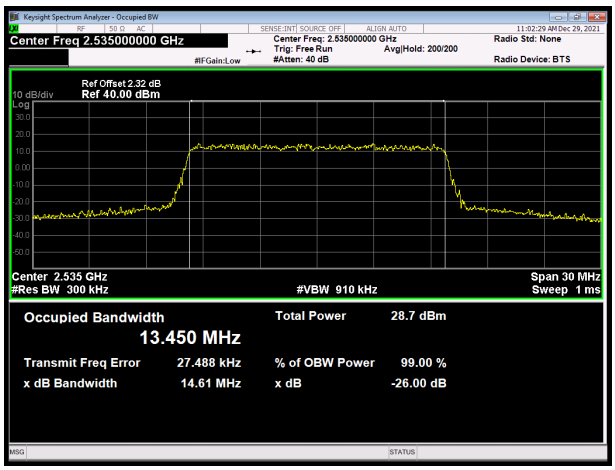
LTE Band 7 QPSK 15MHz CH-Low



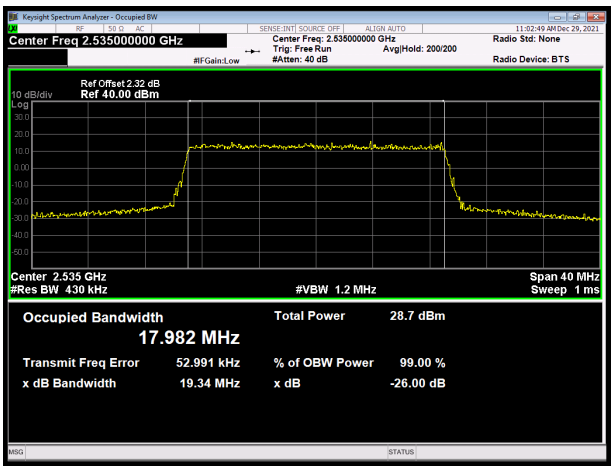
LTE Band 7 QPSK 20MHz CH-Low



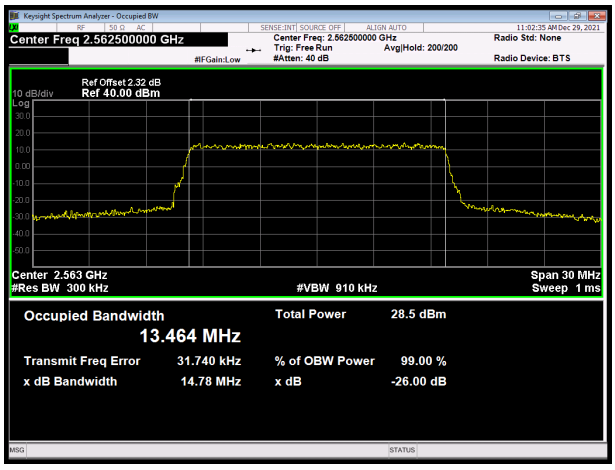
LTE Band 7 QPSK 15MHz CH-Middle



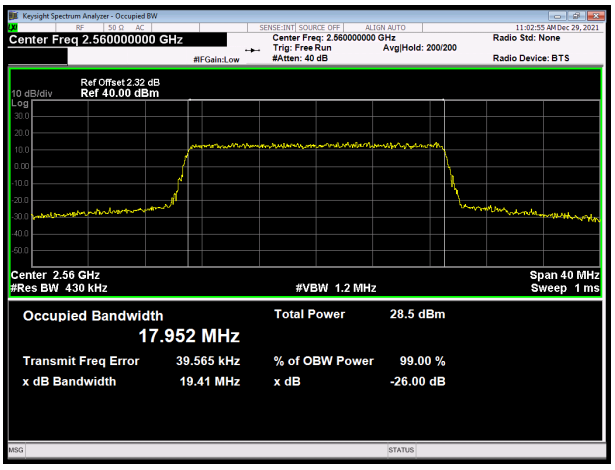
LTE Band 7 QPSK 20MHz CH-Middle



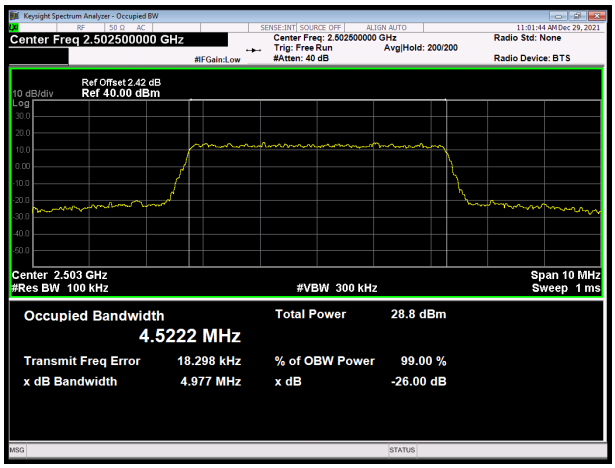
LTE Band 7 QPSK 15MHz CH-High



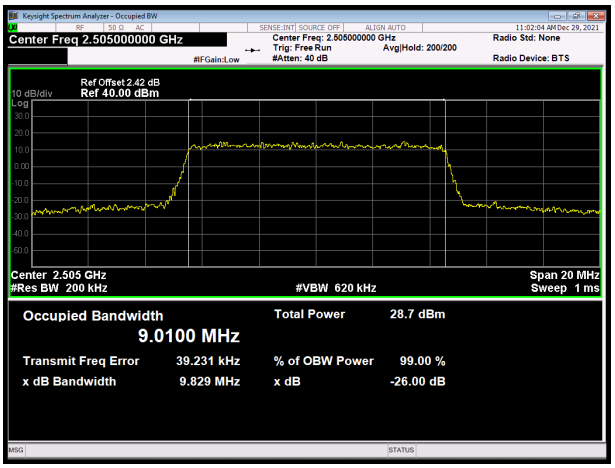
LTE Band 7 QPSK 20MHz CH-High



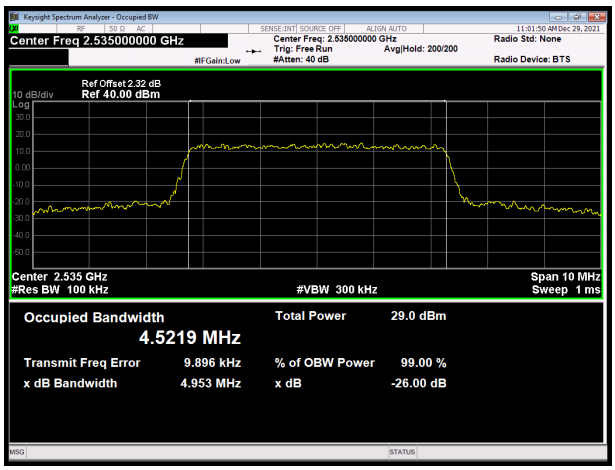
LTE Band 7 16QAM 5MHz CH-Low



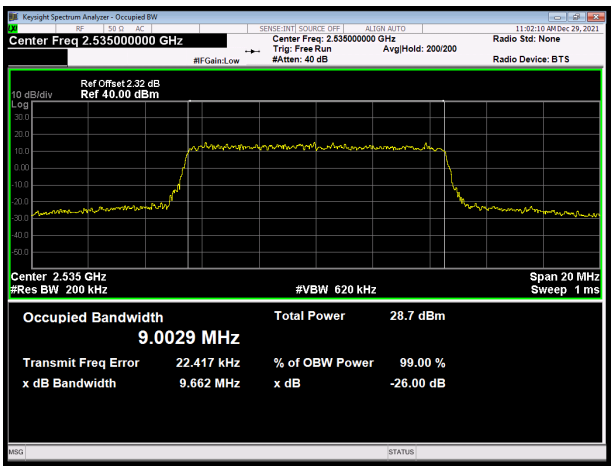
LTE Band 7 16QAM 10MHz CH-Low



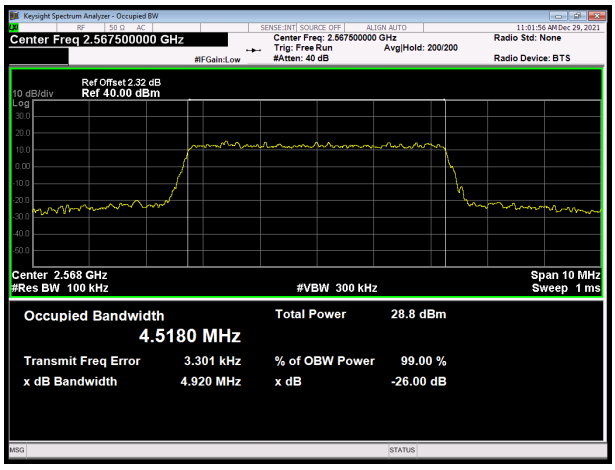
LTE Band 7 16QAM 5MHz CH-Middle



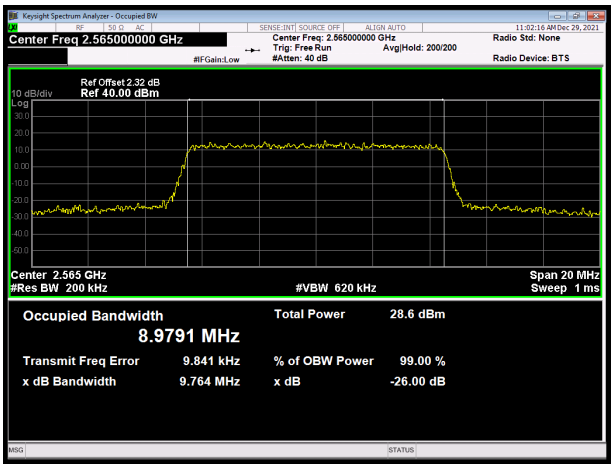
LTE Band 7 16QAM 10MHz CH-Middle



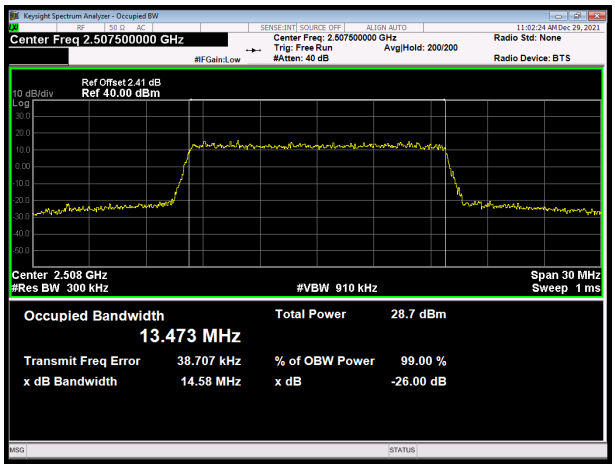
LTE Band 7 16QAM 5MHz CH-High



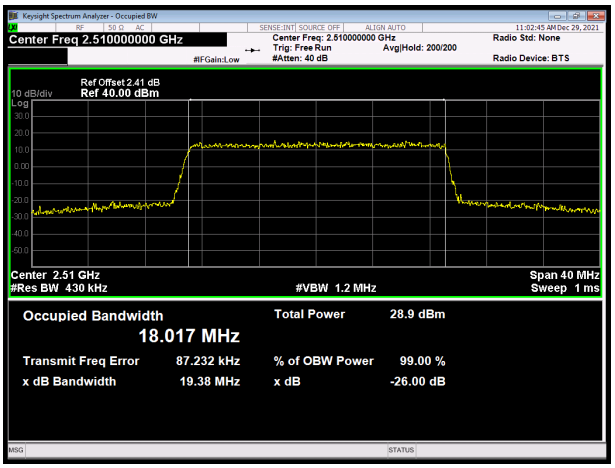
LTE Band 7 16QAM 10MHz CH-High



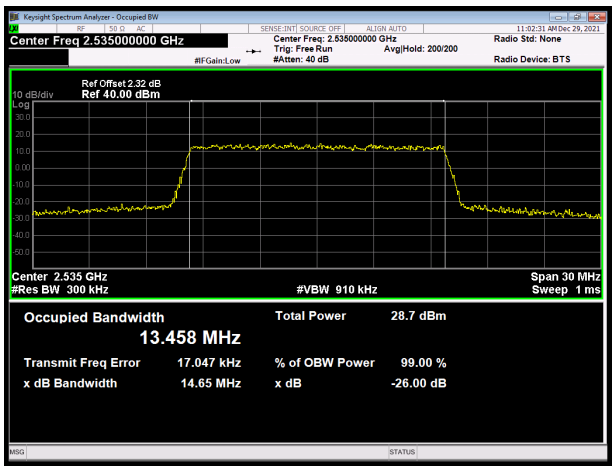
LTE Band 7 16QAM 15MHz CH-Low



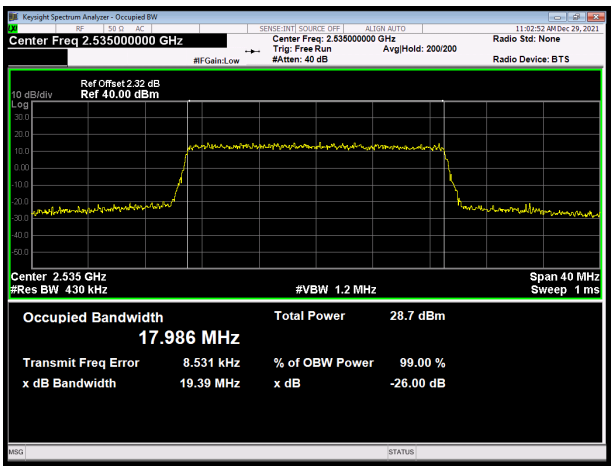
LTE Band 7 16QAM 20MHz CH-Low



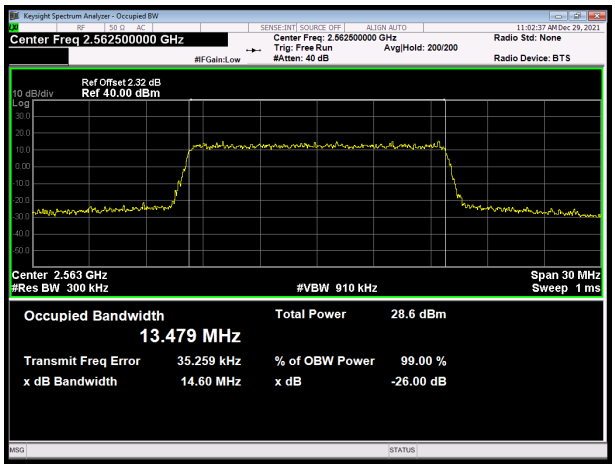
LTE Band 7 16QAM 15MHz CH-Middle



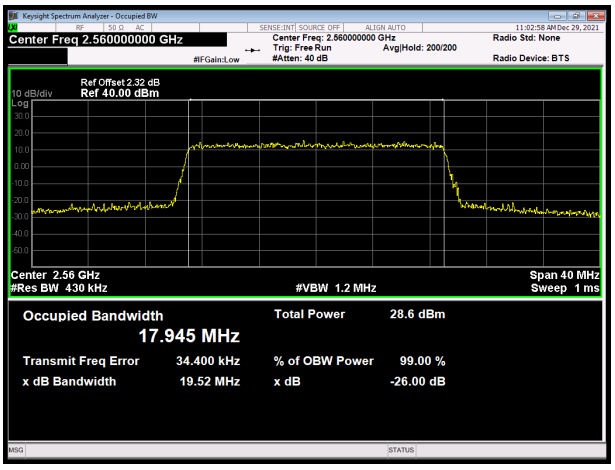
LTE Band 7 16QAM 20MHz CH-Middle



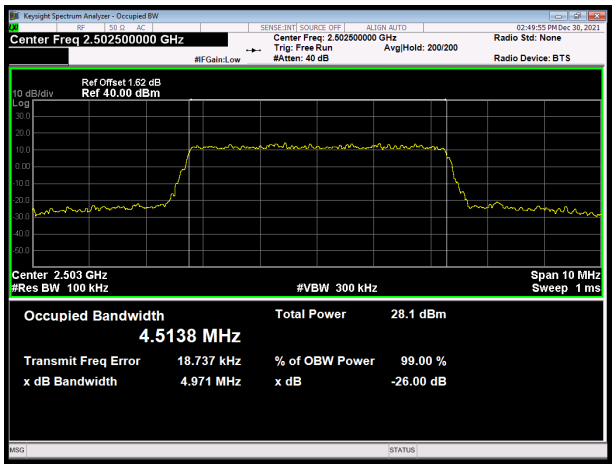
LTE Band 7 16QAM 15MHz CH-High



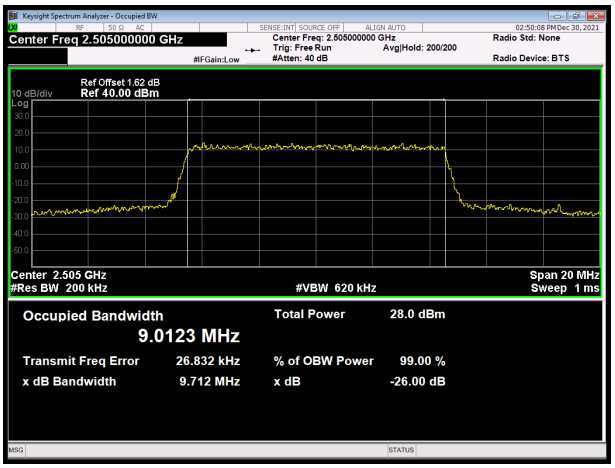
LTE Band 7 16QAM 20MHz CH-High



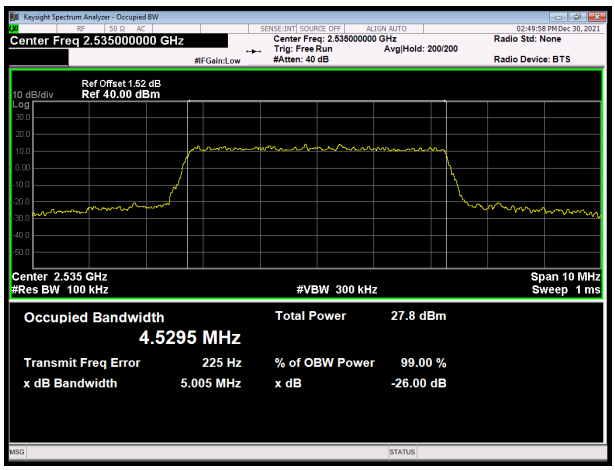
LTE Band 7 64QAM 5MHz CH-Low



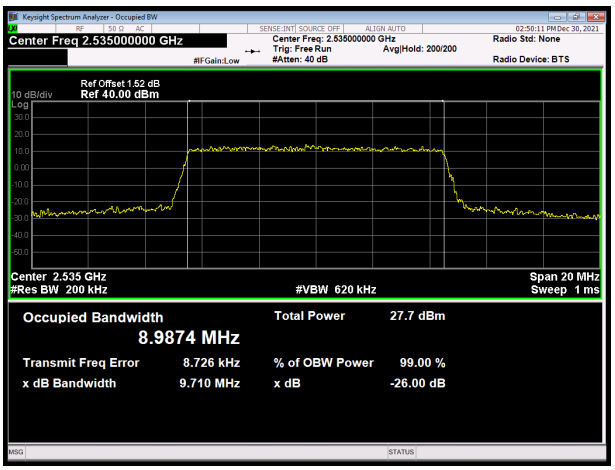
LTE Band 7 64QAM 10MHz CH-Low



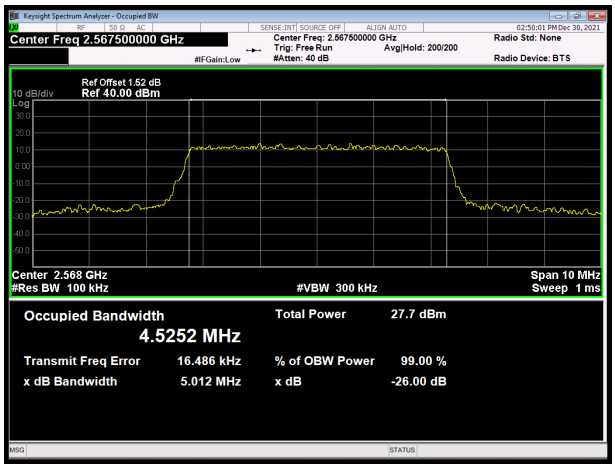
LTE Band 7 64QAM 5MHz CH-Middle



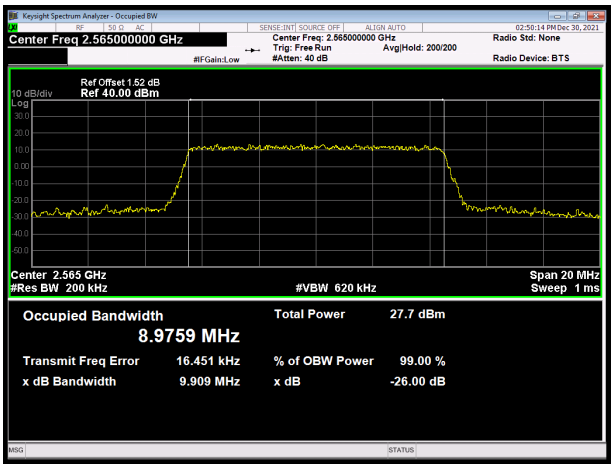
LTE Band 7 64QAM 10MHz CH-Middle



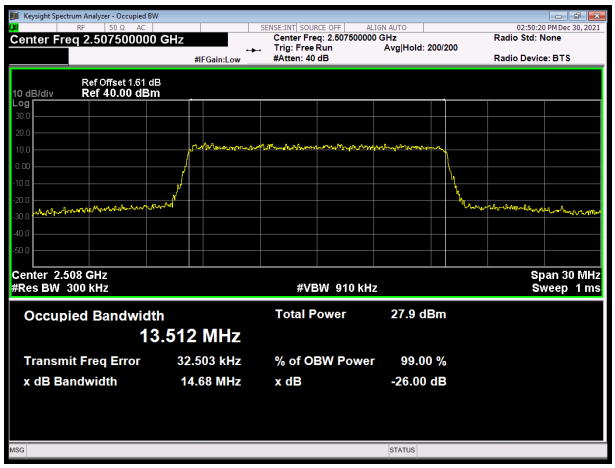
LTE Band 7 64QAM 5MHz CH-High



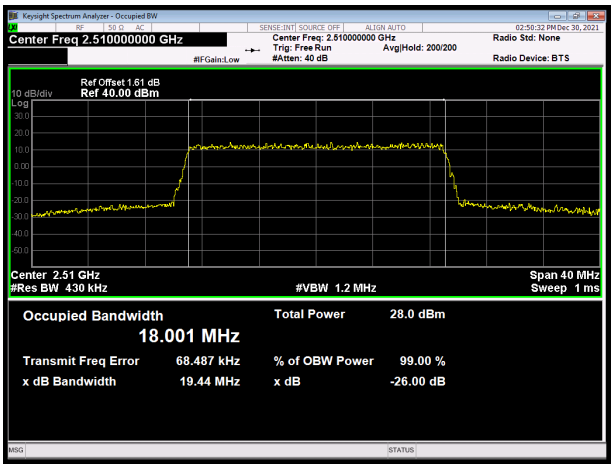
LTE Band 7 64QAM 10MHz CH-High



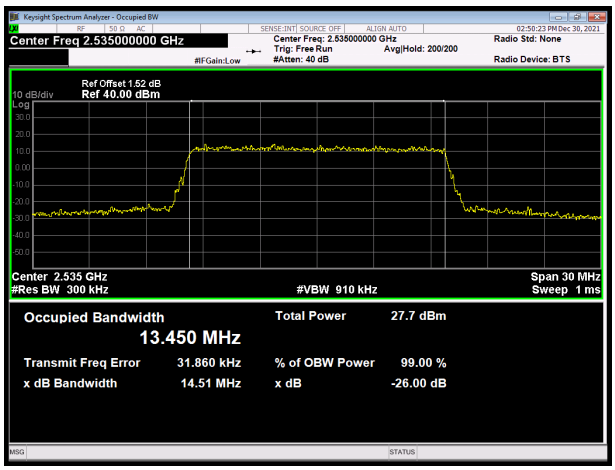
LTE Band 7 64QAM 15MHz CH-Low



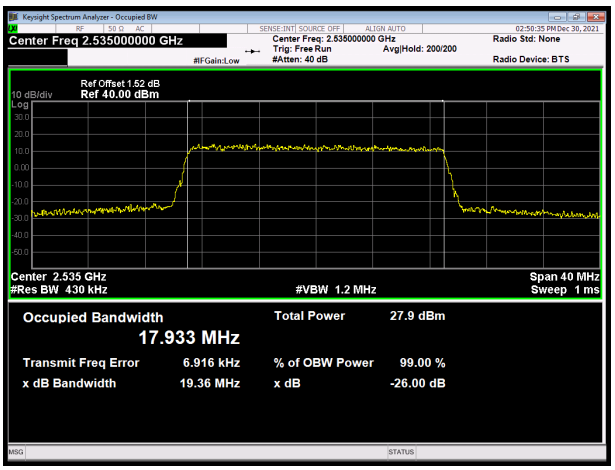
LTE Band 7 64QAM 20MHz CH-Low



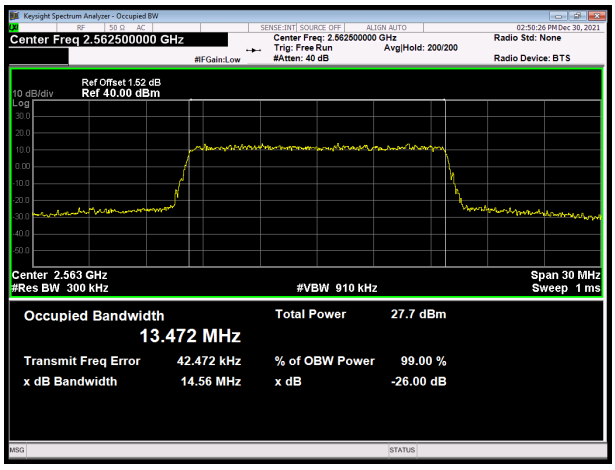
LTE Band 7 64QAM 15MHz CH-Middle



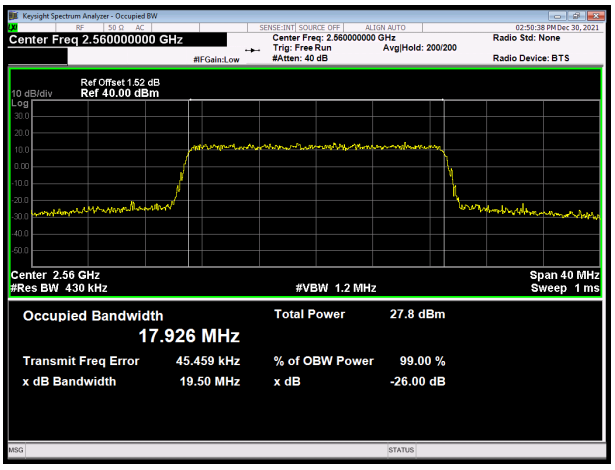
LTE Band 7 64QAM 20MHz CH-Middle



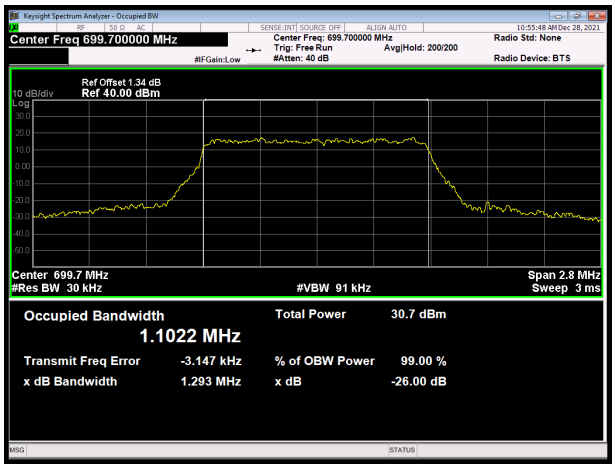
LTE Band 7 64QAM 15MHz CH-High



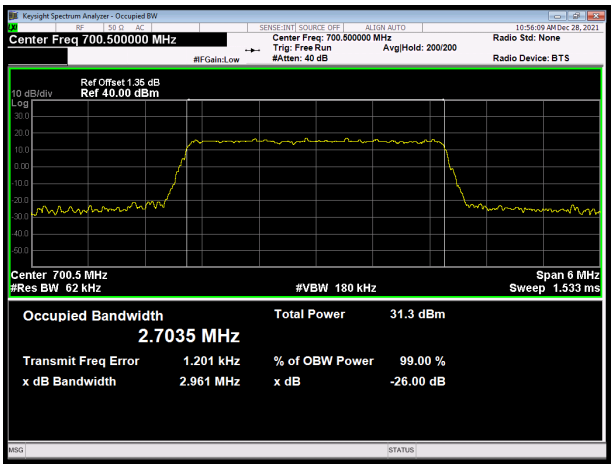
LTE Band 7 64QAM 20MHz CH-High



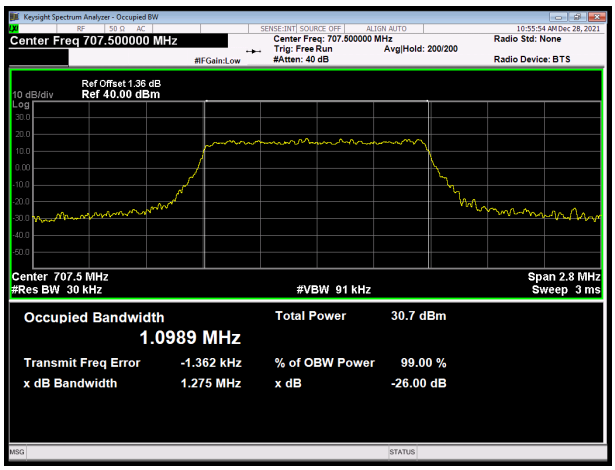
LTE Band 12 QPSK 1.4MHz CH-Low



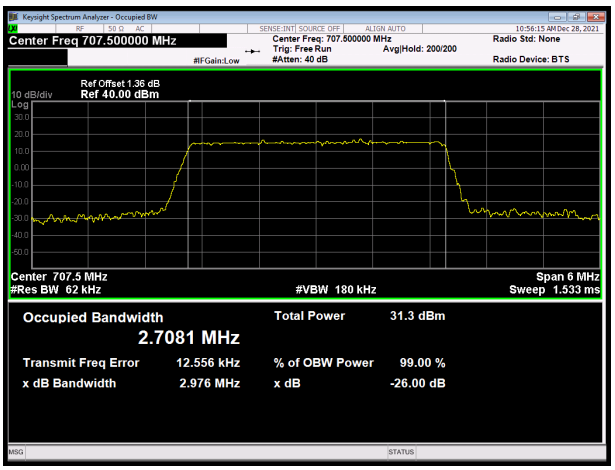
LTE Band 12 QPSK 3MHz CH-Low



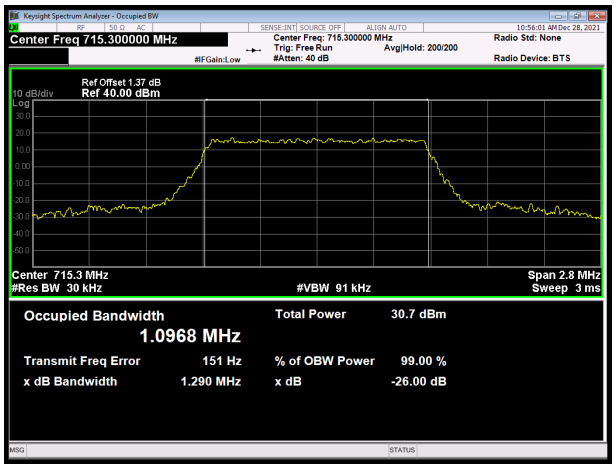
LTE Band 12 QPSK 1.4MHz CH-Middle



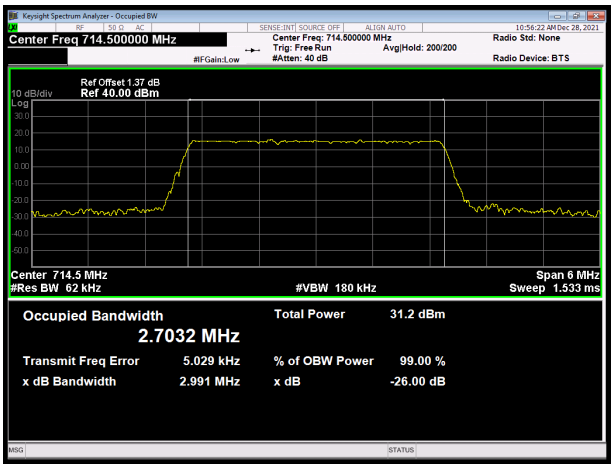
LTE Band 12 QPSK 3MHz CH-Middle



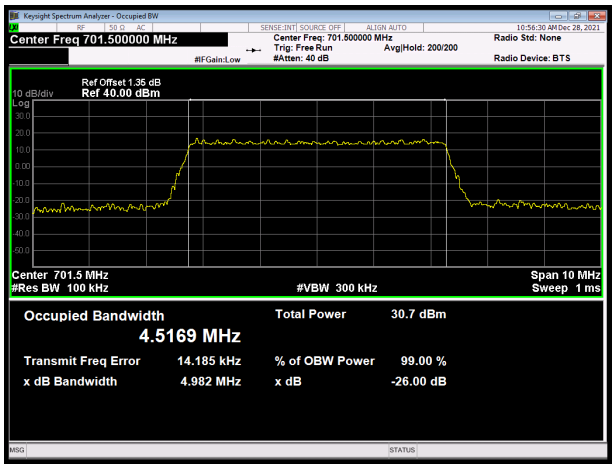
LTE Band 12 QPSK 1.4MHz CH-High



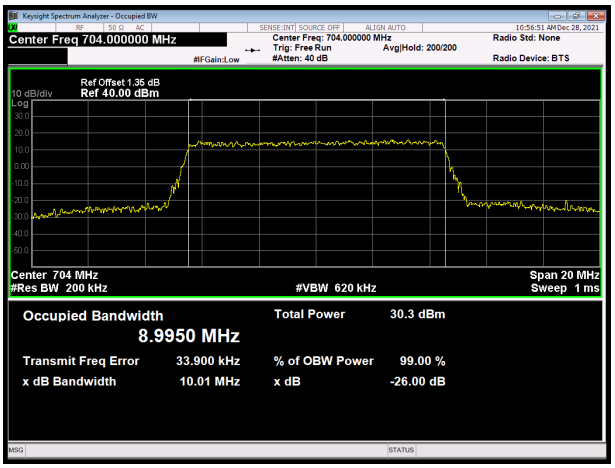
LTE Band 12 QPSK 3MHz CH-High



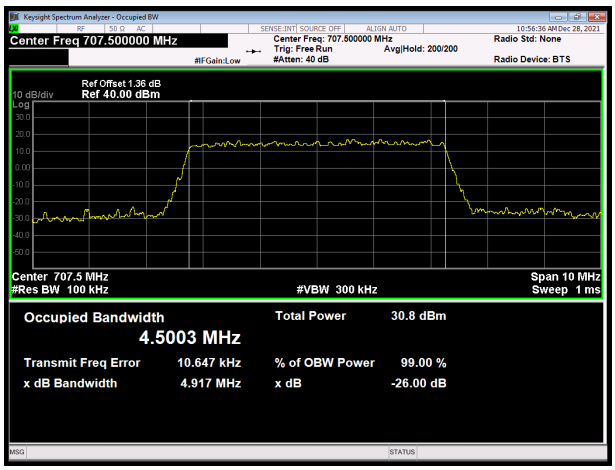
LTE Band 12 QPSK 5MHz CH-Low



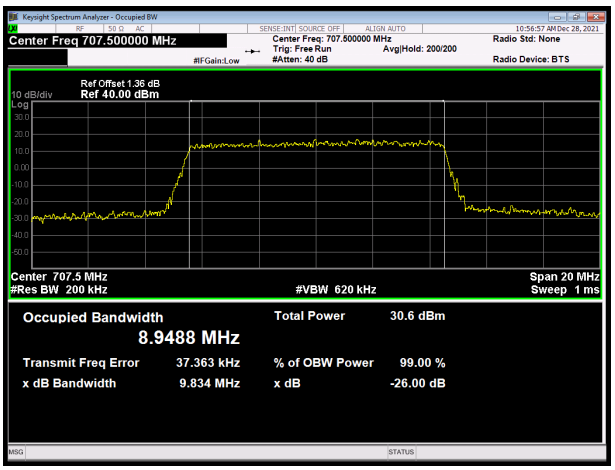
LTE Band 12 QPSK 10MHz CH-Low



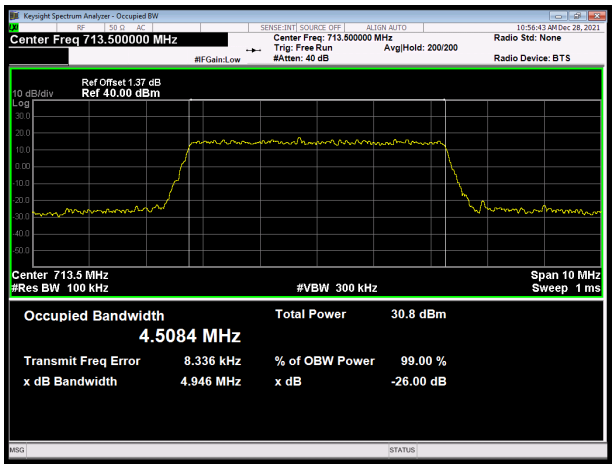
LTE Band 12 QPSK 5MHz CH-Middle



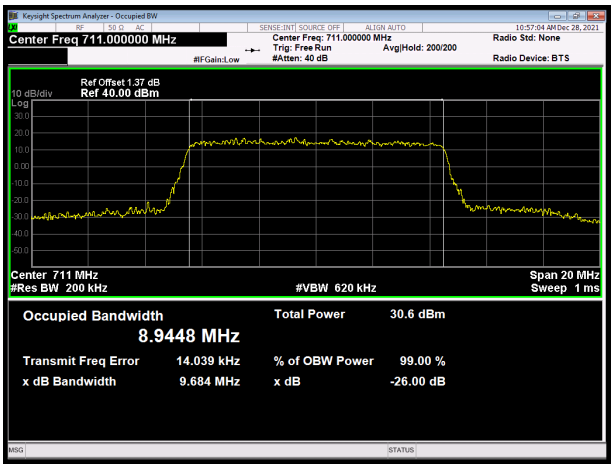
LTE Band 12 QPSK 10MHz CH-Middle



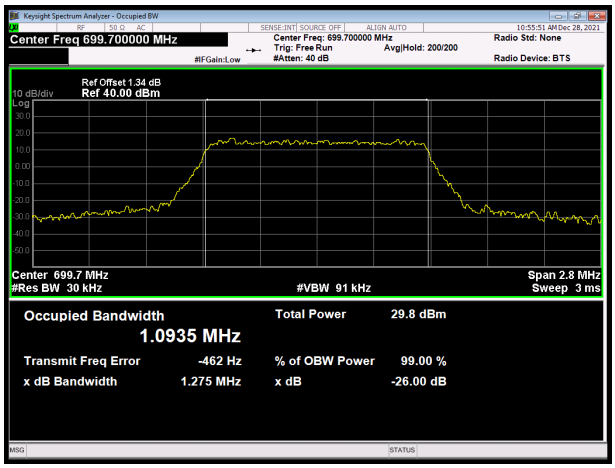
LTE Band 12 QPSK 5MHz CH-High



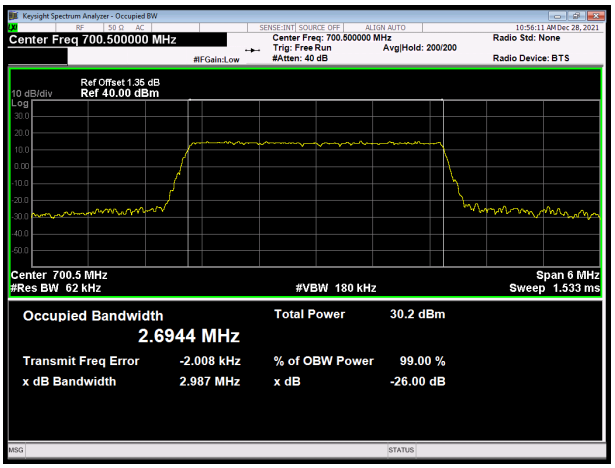
LTE Band 12 QPSK 10MHz CH-High



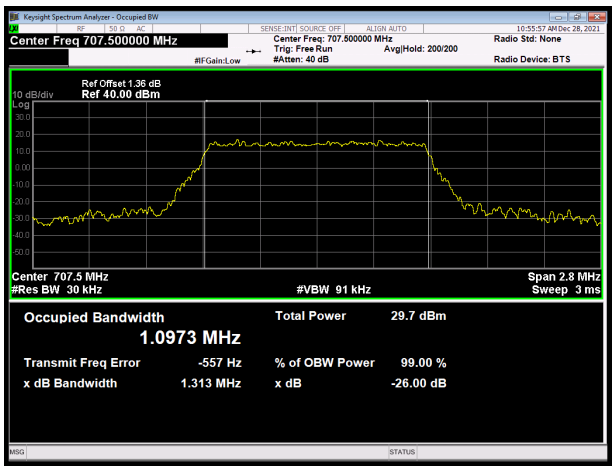
LTE Band 12 16QAM 1.4MHz CH-Low



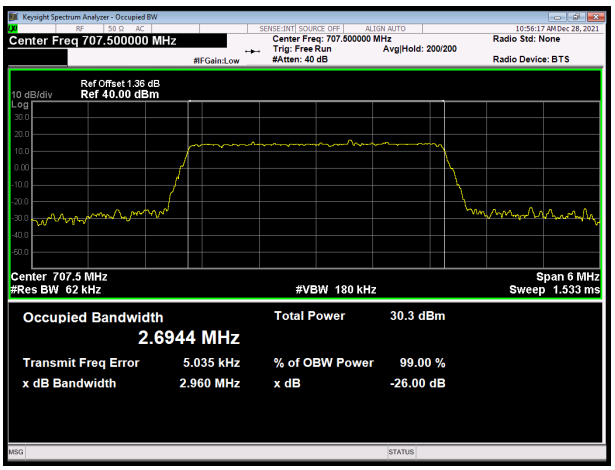
LTE Band 12 16QAM 3MHz CH-Low



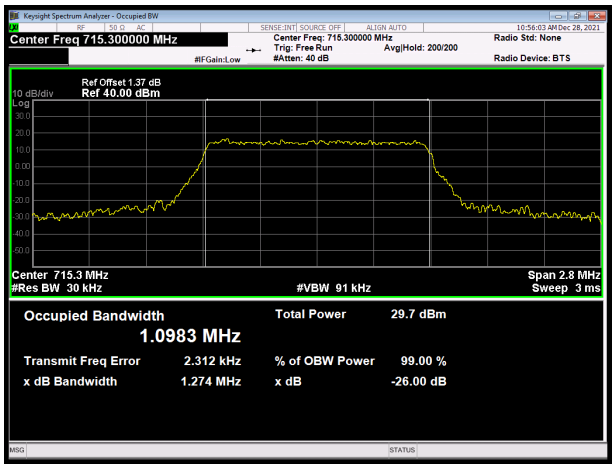
LTE Band 12 16QAM 1.4MHz CH-Middle



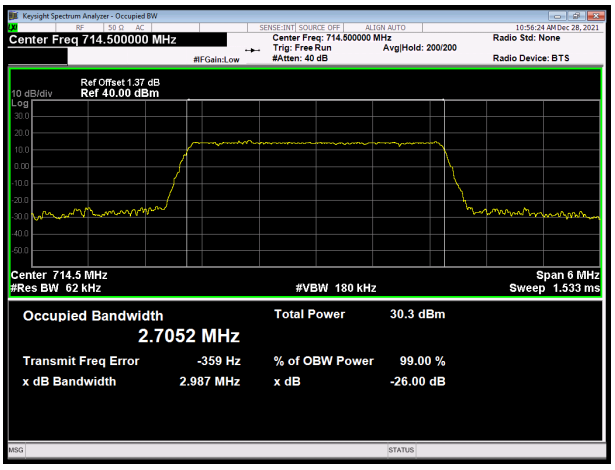
LTE Band 12 16QAM 3MHz CH-Middle



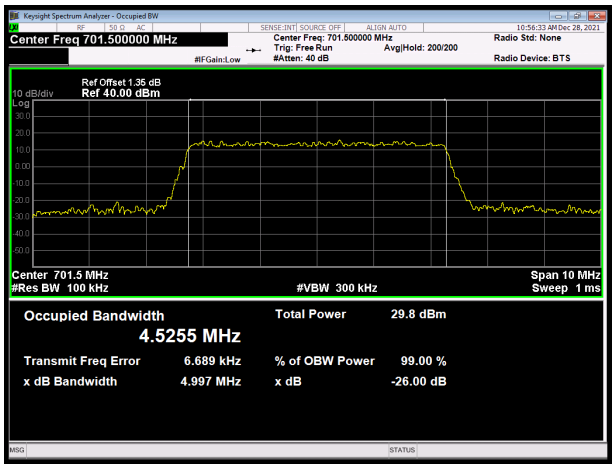
LTE Band 12 16QAM 1.4MHz CH-High



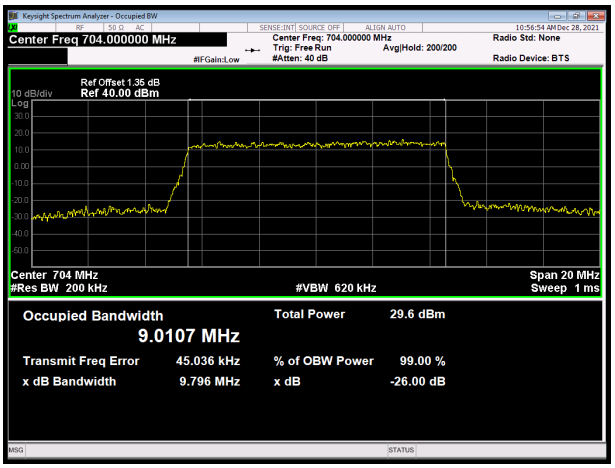
LTE Band 12 16QAM 3MHz CH-High



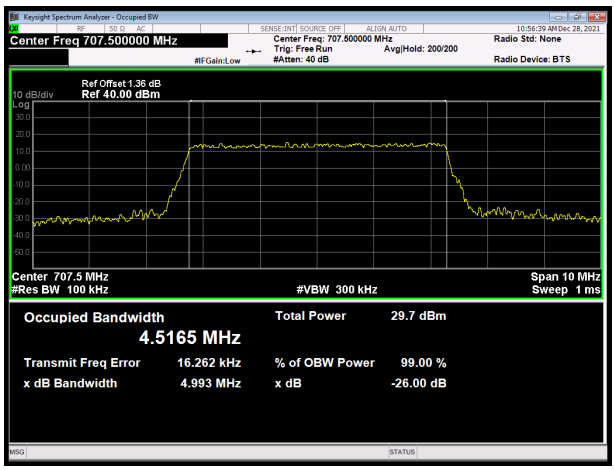
LTE Band 12 16QAM 5MHz CH-Low



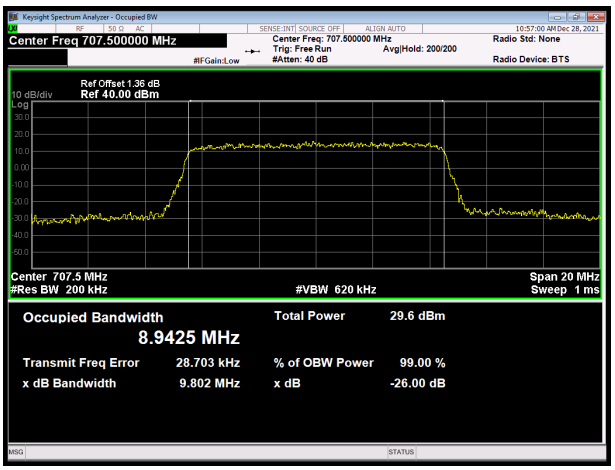
LTE Band 12 16QAM 10MHz CH-Low



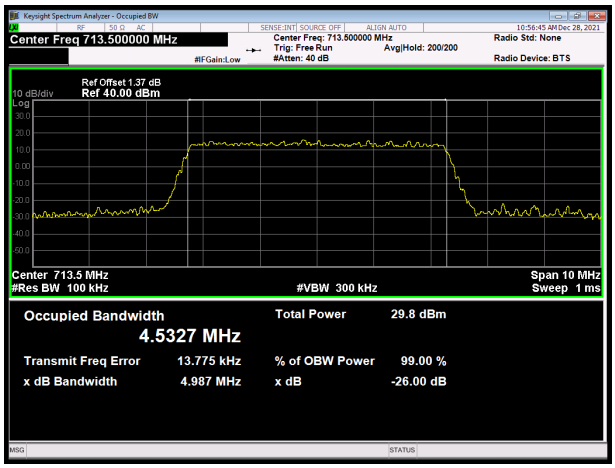
LTE Band 12 16QAM 5MHz CH-Middle



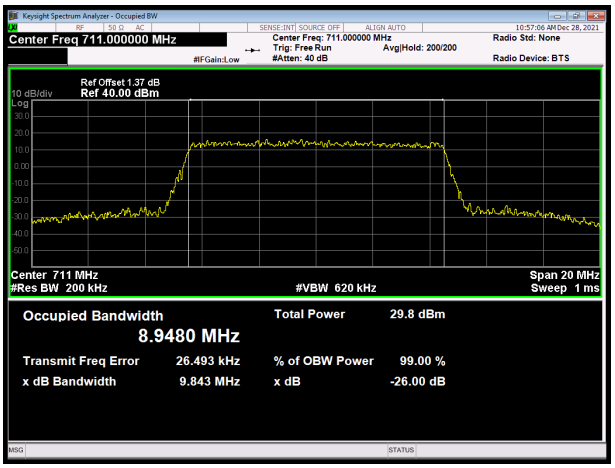
LTE Band 12 16QAM 10MHz CH-Middle



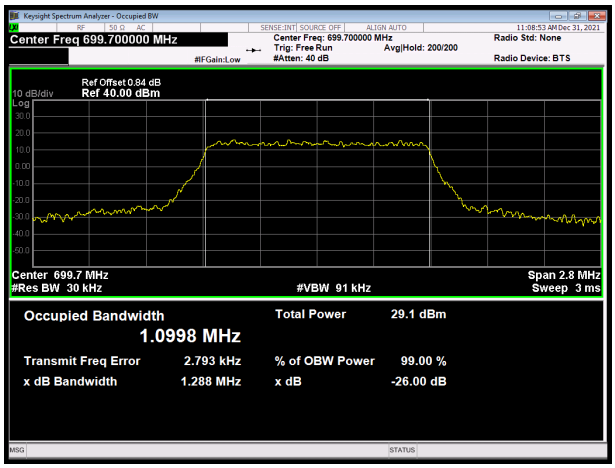
LTE Band 12 16QAM 5MHz CH-High



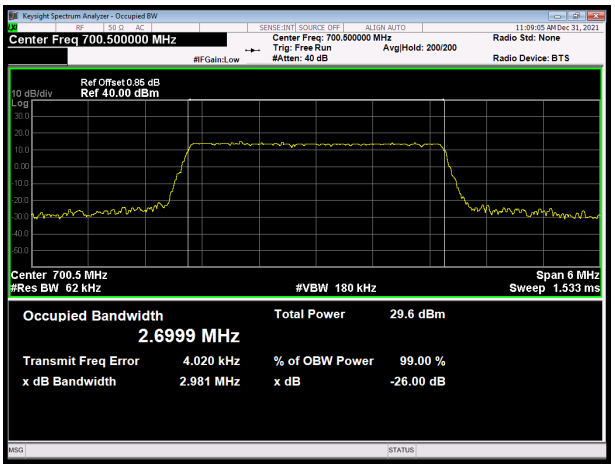
LTE Band 12 16QAM 10MHz CH-High



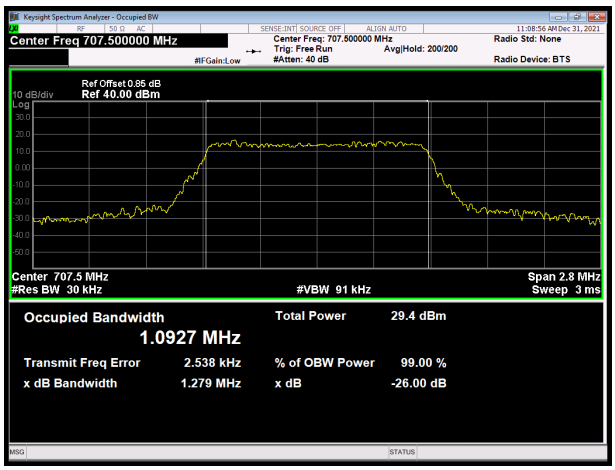
LTE Band 12 64QAM 1.4MHz CH-Low



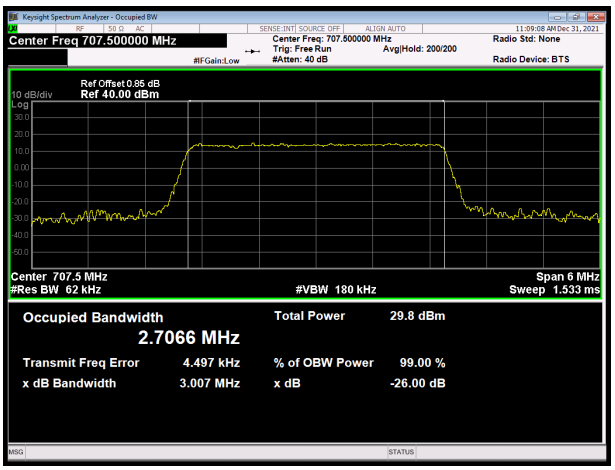
LTE Band 12 64QAM 3MHz CH-Low



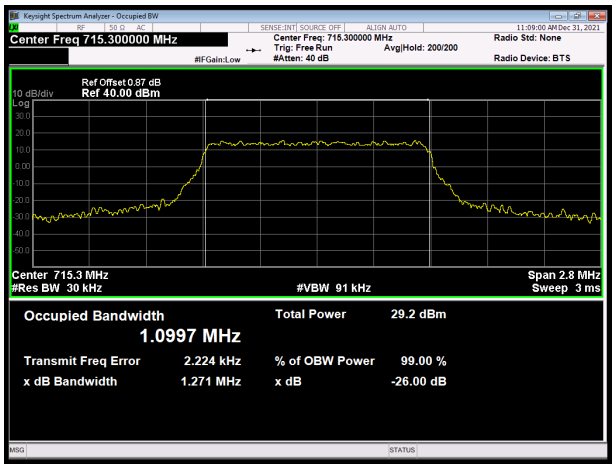
LTE Band 12 64QAM 1.4MHz CH-Middle



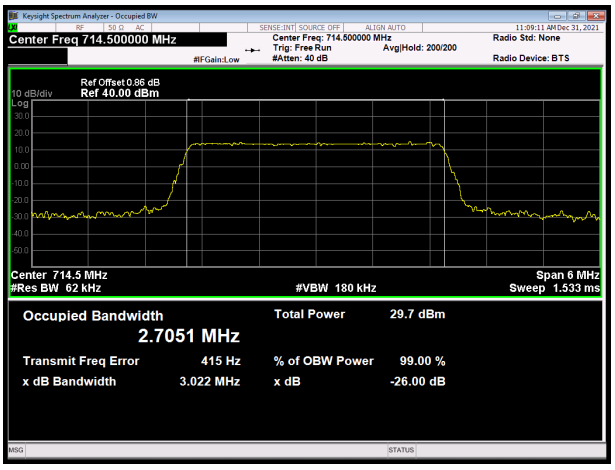
LTE Band 12 64QAM 3MHz CH-Middle



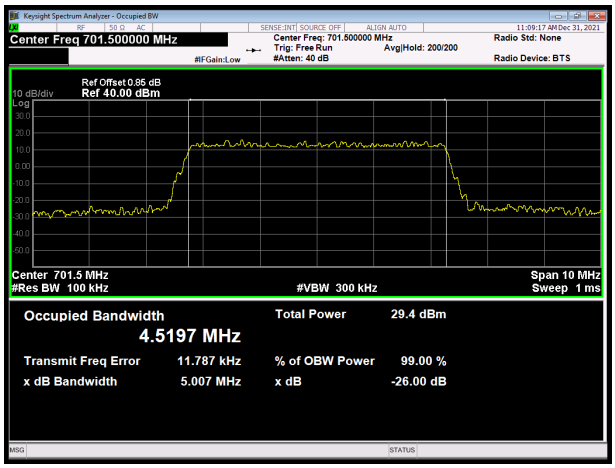
LTE Band 12 64QAM 1.4MHz CH-High



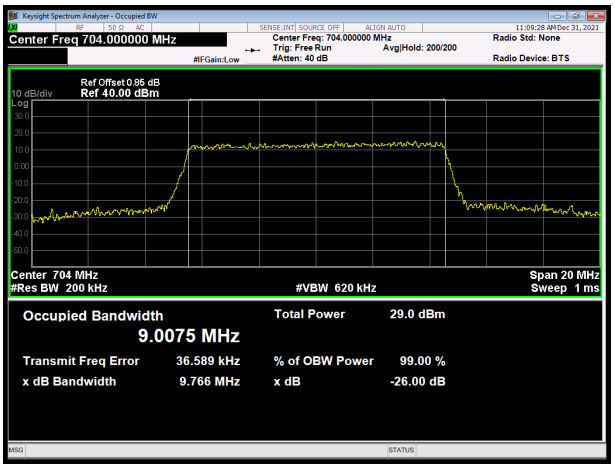
LTE Band 12 64QAM 3MHz CH-High



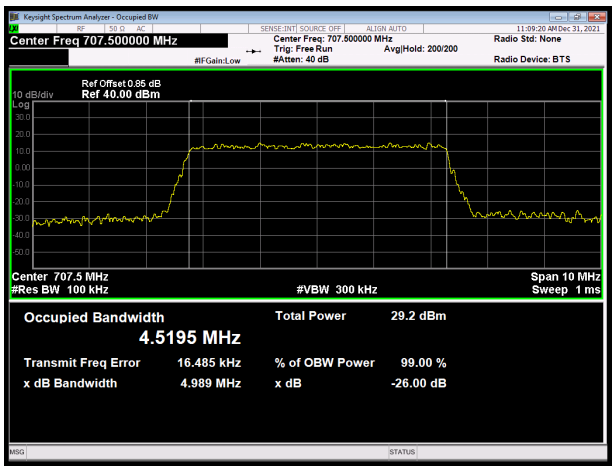
LTE Band 12 64QAM 5MHz CH-Low



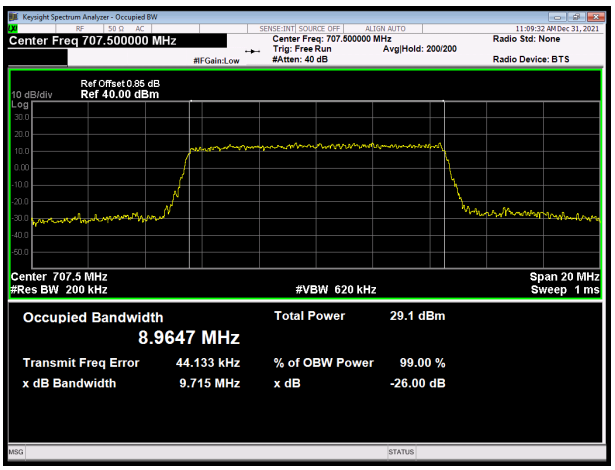
LTE Band 12 64QAM 10MHz CH-Low



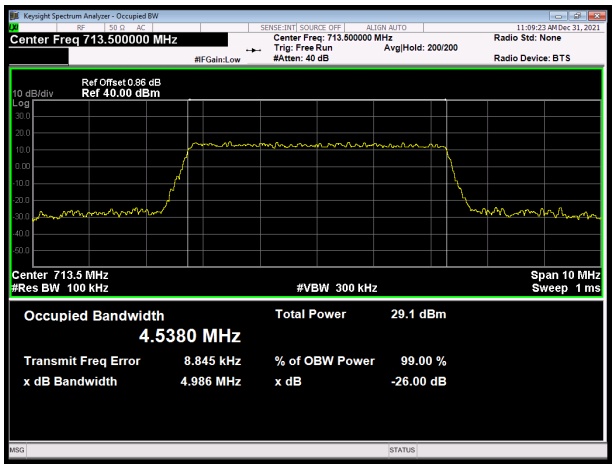
LTE Band 12 64QAM 5MHz CH-Middle



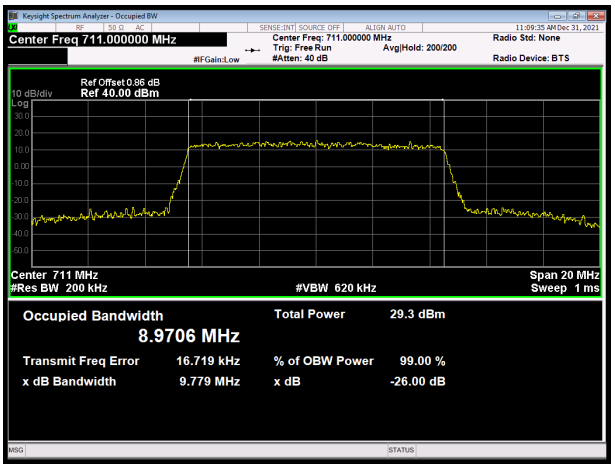
LTE Band 12 64QAM 10MHz CH-Middle



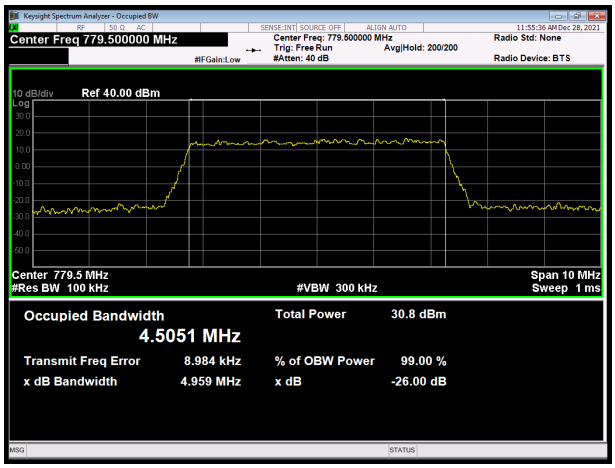
LTE Band 12 64QAM 5MHz CH-High



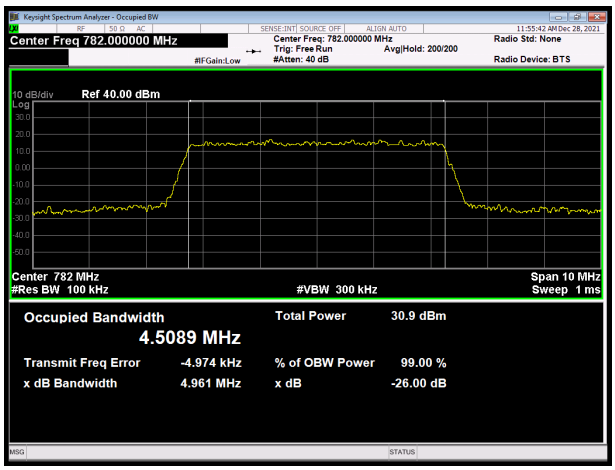
LTE Band 12 64QAM 10MHz CH-High



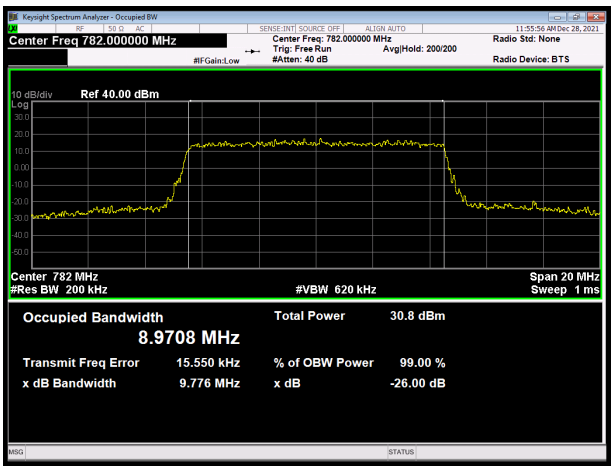
LTE Band 13 QPSK 5MHz CH-Low



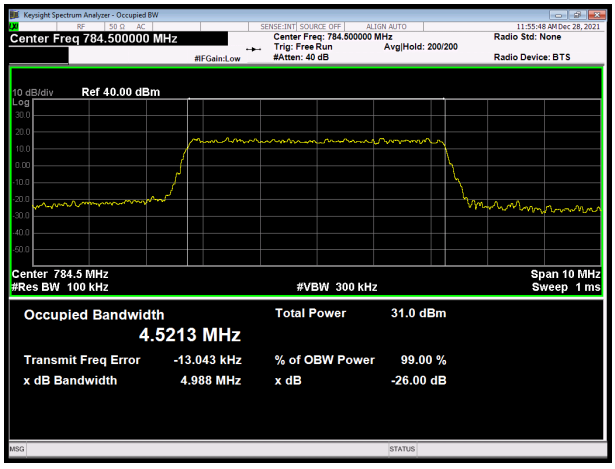
LTE Band 13 QPSK 5MHz CH-Middle



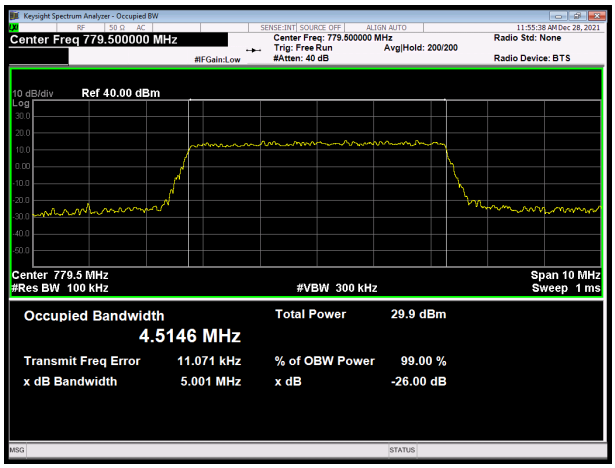
LTE Band 13 QPSK 10MHz CH-Middle



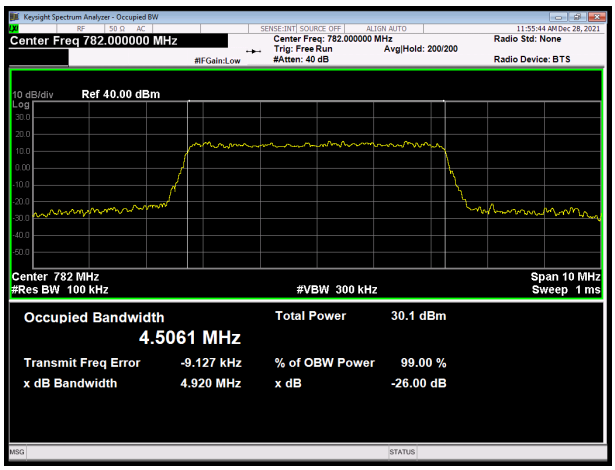
LTE Band 13 QPSK 5MHz CH-High



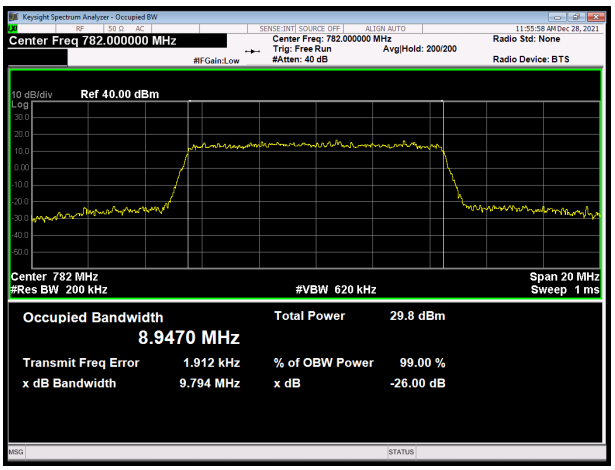
LTE Band 13 16QAM 5MHz CH-Low



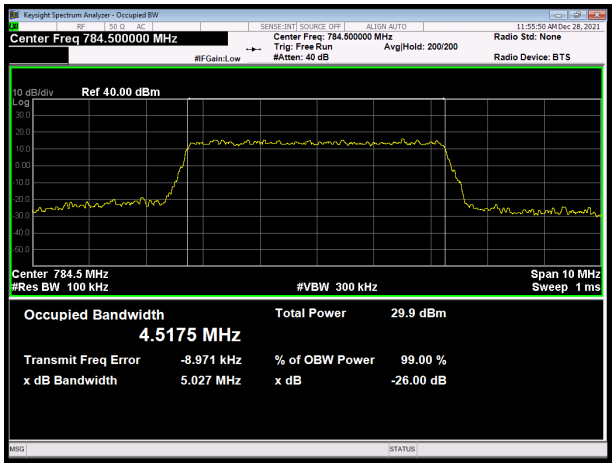
LTE Band 13 16QAM 5MHz CH-Middle



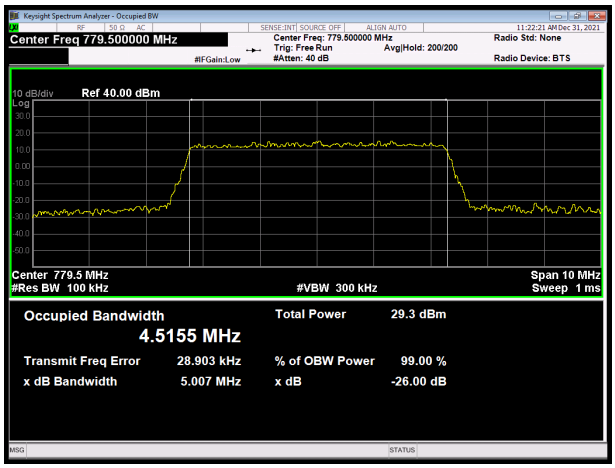
LTE Band 13 16QAM 10MHz CH-Middle



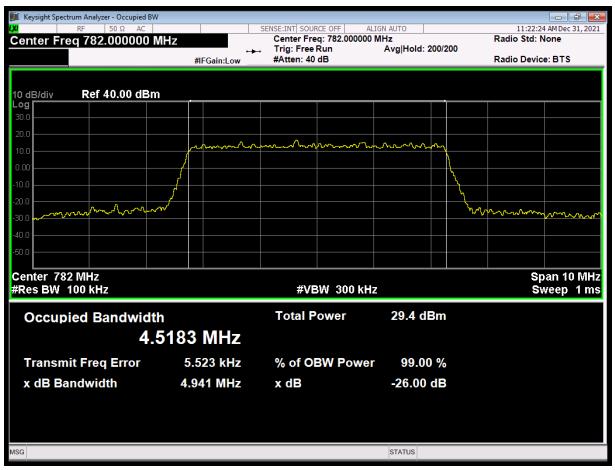
LTE Band 13 16QAM 5MHz CH-High



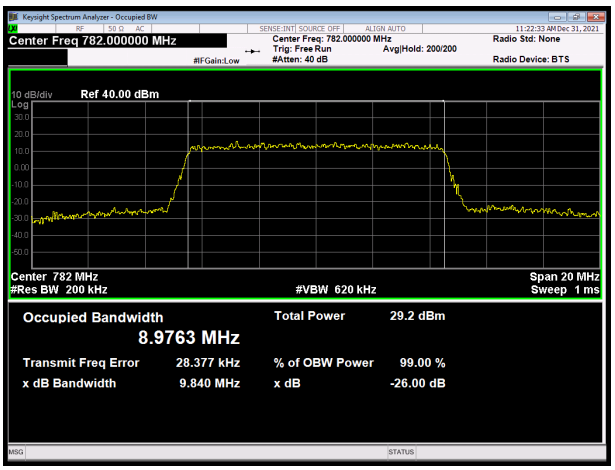
LTE Band 13 64QAM 5MHz CH-Low



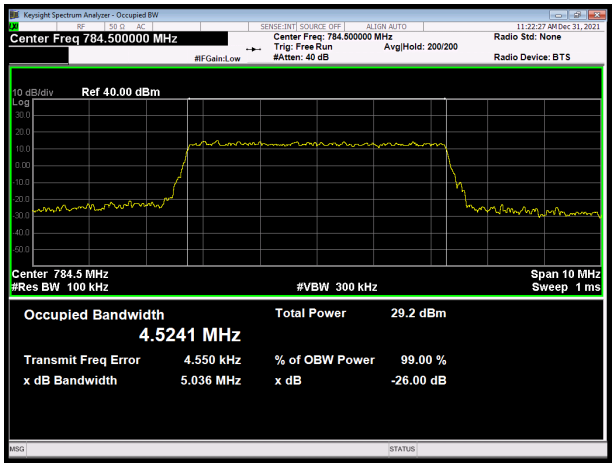
LTE Band 13 64QAM 5MHz CH-Middle



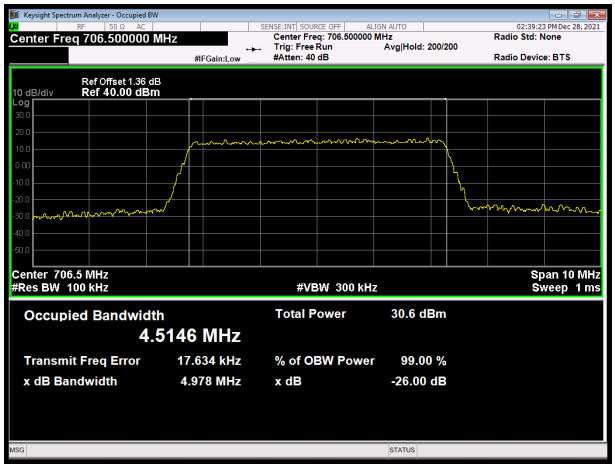
LTE Band 13 64QAM 10MHz CH-Middle



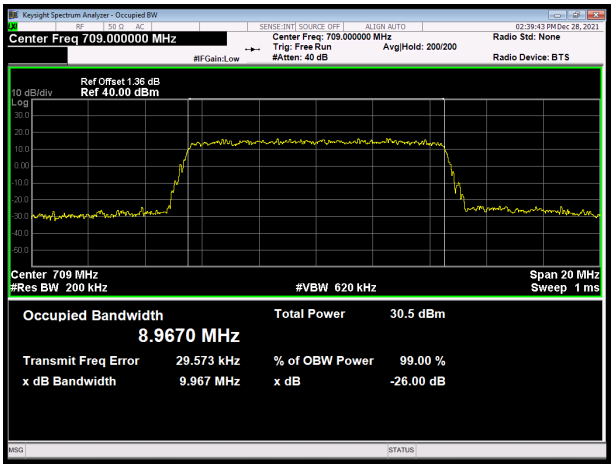
LTE Band 13 64QAM 5MHz CH-High



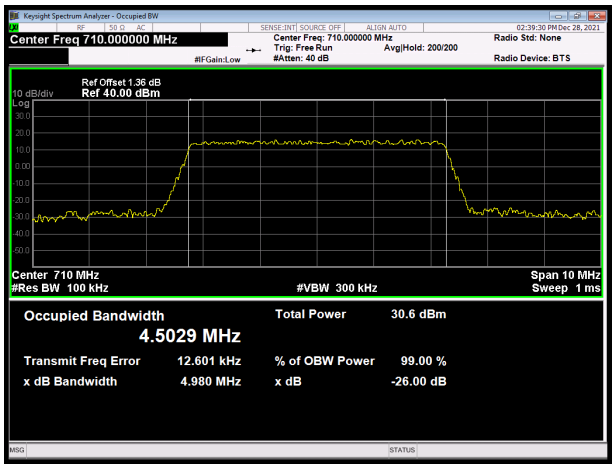
LTE Band 17 QPSK 5MHz CH-Low



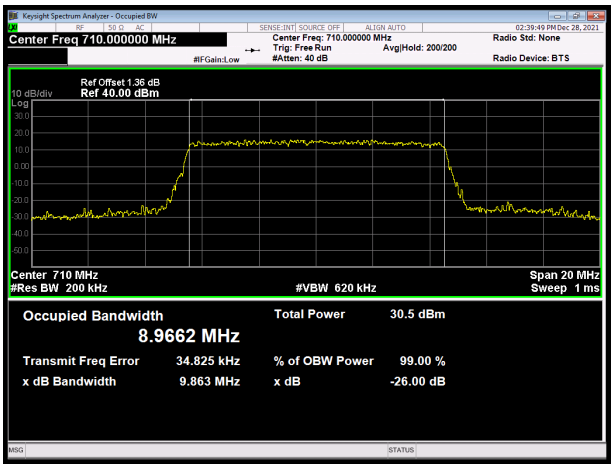
LTE Band 17 QPSK 10MHz CH-Low



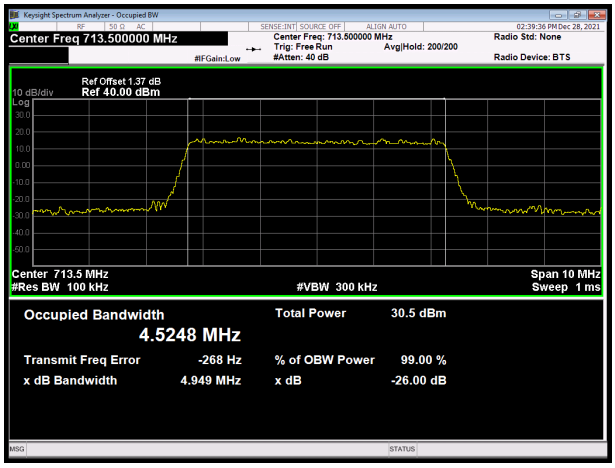
LTE Band 17 QPSK 5MHz CH-Middle



LTE Band 17 QPSK 10MHz CH-Middle



LTE Band 17 QPSK 5MHz CH-High



LTE Band 17 QPSK 10MHz CH-High