



RF TEST REPORT

Applicant ZTE Corporation
FCC ID SRQ-ZTEA2023G
Product 5G NR Multi model smart phone
Model ZTE A2023G
Report No. R2204A0354-R3V1
Issue Date June 2, 2022

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2021)/ FCC CFR47 Part 27C (2021)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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Version	Revision description	Issue Date
Rev.0	Initial issue of report.	May 31, 2022
Rev.1	Update information.	June 2, 2022

Note: This revised report (Report No. R2204A0354-R3V1) supersedes and replaces the previously issued report (Report No. R2204A0354-R3). Please discard or destroy the previously issued report and dispose of it accordingly.



Summary of Measurement Results

Number	Test Case	Clause in FCC rules	Verdict
1	RF Power Output and Effective Isotropic Radiated Power	2.1046 /27.50(d)(4) /27.50(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(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(m)	PASS
7	Radiates Spurious Emission	2.1053 /27.53(h) /27.53(g) /27.53(m)	PASS
Date of Testing: April 29, 2022 ~ May 27, 2022			
Date of Sample Received: April12, 2022			
<p>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.</p> <p>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.</p>			



1 Test Laboratory

1.1 Notes of the Test Report

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

1.2. Test facility

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

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

A2LA (Certificate Number: 3857.01)

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

1.3 Testing Location

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

2.1 Applicant and Manufacturer Information

Applicant	ZTE Corporation
Applicant address	ZTE Plaza, #55 Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, China
Manufacturer	ZTE Corporation
Manufacturer address	ZTE Plaza, #55 Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, China

2.2 General information

EUT Description					
Model	ZTE A2023G				
SN	327324660005				
Hardware Version	ZTE A2023GHW1.0				
Software Version	MyOS12.0.2_A2023G_GLB				
Power Supply	Battery / AC adapter				
Antenna Type	Internal Antenna				
Antenna Gain	Band	Main Antenna(dBi)	Second Antenna(dBi)	Third Antenna(dBi)	Fourth Antenna(dBi)
	WCDMA Band IV	ANT 1:-1.7	ANT 4:-4.1	/	/
	LTE Band 4	ANT 1:-1.7	ANT 4:-4.1	/	/
	LTE Band 7	ANT 1:-0.6	ANT 4:-2.0	/	/
	LTE Band 12	ANT 0:-6.0	ANT 6:-8.6	/	/
	LTE Band 17	ANT 0:-6.0	ANT 6:-8.6	/	/
	LTE Band 66	ANT 2:-5.1	ANT 1:-1.7	ANT 4:-4.1	/
	NR n7	ANT 1:-0.6	ANT 4:-2.0	/	/
	NR n41	ANT 3:-1.5	ANT 6:-2.2	ANT 1:-0.6	ANT 4:-2.0
	NR n66	ANT 2:-5.1	ANT 1:-1.7	ANT 4:-4.1	/
	NR n77	ANT 3:-0.8	ANT 7:-1.5	ANT 5:-6.5	ANT 2:-1.2
	NR n78	ANT 3:-0.8	ANT 7:-1.5	ANT 5:-6.5	ANT 2:-1.2
Test Mode(s)	WCDMA Band	WCDMA Band IV			
	LTE Band	LTE Band 4/7/12/17/66			
	CA Band	CA_7C			



	SA Band	NR n7/NR n41//NR n66/NR n77/NR n78	
	NSA Band	DC_28A-n41A/DC_2A-n66A/DC_5A-n66A/ DC_2A-n77A/DC_5A-n77A/DC_12A-n77A/ DC_2A-n78A/DC_7A-n78A/DC_28A-n78A	
Test Modulation	(LTE) QPSK, 16QAM, 64QAM; (NR) CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM; DFT-s OFDM: PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM		
HSDPA UE Category	24		
HSUPA UE Category	6		
HSPA+ UE Category	7		
Maximum E.I.R.P./ E.R.P.	WCDMA Band IV:	22.22dBm	
	LTE Band 4:	22.71dBm	
	LTE Band 7:	23.82dBm	
	LTE Band 12:	16.16dBm	
	LTE Band 17:	16.03dBm	
	LTE Band 66:	22.67dBm	
	CA_7C	24.87dBm	
	NR n7	21.63dBm	
	NR n41	23.03dBm	
	DC_28 A (subset 2)-n41A	23.40dBm	
	NR n66	21.48dBm	
	DC_5A-n66A	21.75dBm	
	NR n77 subset 1	23.43dBm	
	DC_5A-n77 subset 1A	23.41dBm	
NR n77 subset 2	22.52dBm		
DC_12A-n77 subset 2A	22.32dBm		
Rated Power Supply Voltage	3.89V		
Operating Voltage	3.70V ~ 4.45V		
Operating Temperature	Lowest: -10°C Highest: +40°C		
Testing Temperature	Lowest:-30°C Highest: +50°C		
Operating Frequency Range(s)	Mode	Tx (MHz)	Rx (MHz)
	WCDMA Band IV	1710 ~ 1755	2110 ~ 2155
	LTE Band 4	1710 ~ 1755	2110 ~ 2155
	LTE Band 7	2500 ~ 2570	2620 ~ 2690
	LTE Band 12	699 ~ 716	729 ~ 746
	LTE Band 17	704 ~ 716	734~ 746
	LTE Band 66	1710 ~ 1780	2110 ~ 2180
	NR n7	2500 ~ 2570	2620 ~ 2690
	NR n41	2496 ~ 2690	2496 ~ 2690



	NR n66	1710 ~1780	2110 ~ 2180
	NR n77 subset 1	3450 ~ 3550	3450 ~ 3550
	NR n77 subset 2	3700 ~ 3980	3700 ~ 3980
	NR n78 subset 1	3450 ~ 3550	3450 ~ 3550
	NR n78 subset 2	3700 ~ 3980	3700 ~ 3980

EUT Accessory

Adapter	Manufacturer: ShenZhen KunXing Technology Co., Ltd. Model: STC-A59152050AC-Z		
Battery	Manufacturer: Zhuhai CosMX Battery Co., Ltd Model: LI3949T44P8h806459		
Earphone 1	Manufacturer: JUWEI ELECTRONICS CO.,LTD Model: JWEP1092-Z01		
Earphone 2	Manufacturer: ShenZhen FDC Electronic Co.,Ltd Model: DEM-9A		
USB Cable 1	Manufacturer: King Power Electronics Co., Ltd Model: TC20-TC20-W-100-M-6A-HSF		
USB Cable 1	Manufacturer: Luxshare-ICT Co., Ltd Model: TC20-TC20-W-100-M-6A-HSF		
Type-C to 3.5 mm Headphone Jack	Manufacturer: JUWEI ELECTRONICS CO., LTD Model: 080503000100		

Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.
 2. There is more than one USB cable/ Earphone, each one should be applied throughout the compliance test respectively, and however, only the worst case (USB cable 2) will be recorded in this report.
 3. According to TCB workshop October, 2014 RF Exposure Procedures Update:
 a) For NR n78 subset 1 and NR n78 subset 2 (Frequency range: 3450 ~ 3550 and 3700 ~ 3800) is covered by NR n77 subset 1 and NR n78 subset 2 (Frequency range 3450 ~ 3550MHz and 3700 ~ 3980) due to similar frequency range, same maximum tune up limit and same channel bandwidth.



3 Applied Standards

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

Test standards:

FCC CFR47 Part 27C (2021)

FCC CFR47 Part 2 (2021)

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

All mode and data rates and positions and RB size and modulations were investigated.

Subsequently, only the worst case emissions are reported.

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

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

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

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



Test modes are chosen to be reported as the worst case configuration below for LTE Band 4/7/12/17 /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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LTE 7	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0
	LTE 12	0	0	0	0	-	-	0	0	0	0	0	0	0	0	0
	LTE 17	-	-	0	0	-	-	0	0	0	0	0	0	0	0	0
	LTE 66	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Occupied Bandwidth	LTE 4	0	0	0	0	0	0	0	0	-	-	0	0	0	0	0
	LTE 7	-	-	0	0	0	0	0	0	-	-	0	0	0	0	0
	LTE 12	0	0	0	0	-	-	0	0	-	-	0	0	0	0	0
	LTE 17	-	-	0	0	-	-	0	0	-	-	0	0	0	0	0
	LTE 66	-	-	0	0	0	0	0	0	-	-	0	0	0	0	0
Band Edge Compliance	LTE 4	0	0	0	0	0	0	0	0	0	-	0	0	-	0	0
	LTE 7	-	-	0	0	0	0	0	0	0	-	0	0	-	0	0
	LTE 12	0	0	0	0	-	-	0	0	0	-	0	0	-	0	0
	LTE 17	-	-	0	0	-	-	0	0	0	-	0	0	-	0	0
	LTE 66	-	-	0	0	0	0	0	0	0	-	0	0	-	0	0
Peak-to-Average Power Ratio	LTE 4	0	0	0	0	0	0	0	0	-	-	0	0	0	0	0
	LTE 7	-	-	0	0	0	0	0	0	-	-	0	0	0	0	0
	LTE 12	0	0	0	0	-	-	0	0	-	-	0	0	0	0	0
	LTE 17	-	-	0	0	-	-	0	0	-	-	0	0	0	0	0
	LTE 66	-	-	0	0	0	0	0	0	-	-	0	0	0	0	0
Frequency Stability	LTE 4	0	0	0	0	0	0	0	0	0	-	-	-	0	-	-
	LTE 7	-	-	0	0	0	0	0	0	0	-	-	-	0	-	-
	LTE 12	0	0	0	0	-	-	0	0	0	-	-	-	0	-	-
	LTE 17	-	-	0	0	-	-	0	0	0	-	-	-	0	-	-
	LTE 66	-	-	0	0	0	0	0	0	0	-	-	-	0	-	-
Spurious Emissions at Antenna Terminals	LTE 4	0	0	0	0	0	0	0	-	0	-	-	0	0	0	0
	LTE 7	-	-	0	0	0	0	0	-	0	-	-	0	0	0	0
	LTE 12	0	0	0	0	-	-	0	-	0	-	-	0	0	0	0
	LTE 17	-	-	0	0	-	-	0	-	0	-	-	0	0	0	0
	LTE 66	-	-	0	0	0	0	0	-	0	-	-	0	0	0	0
Radiates Spurious Emission	LTE 4	0	-	0	-	-	0	0	-	0	-	-	-	0	-	-
	LTE 7	-	-	0	-	-	0	0	-	0	-	-	-	0	-	-
	LTE 12	0	-	0	0	-	-	0	-	0	-	-	-	0	-	-



	LTE 17	-	-	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.														

Test modes are chosen to be reported as the worst case configuration below for NR n7/ NR n38/ NR n41/ DC_28 A (subset 1)-n41A / DC_28 A (subset 2)-n41A /NR n66/ DC_2A-n66A/ DC_5A-n66A/ NR n77 subset 1/ DC_2A-n77A subset 1/ DC_5A-n77 subset 1A /NR n77 subset 2/ DC_2A-n77A subset 2/ DC_5A-n77 subset 1A

Test items	Mode	Bandwidth (MHz)										Modulation					RB			Test Channel			
		5	10	15	20	25	30	40	60	80	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	50%	100%	L	M	H	
RF Power Output and Effective Isotropic Radiated Power	NR n7	O	O	O	O	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O	O	O
	NR n41	-	-	-	O	-	-	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	DC_28 A (subset 1)-n41A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_28 A (subset 2)-n41A	-	-	-	O	-	-	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	NR n66	O	O	O	O	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O	O	O
	DC_2A-n66A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n66A	O	O	O	O	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O	O	O
	NR n77 subset 1	-	-	-	O	-	-	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	DC_2A-n77A subset 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n77 subset 1A	-	-	-	O	-	-	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	DC_12A-n77A subset 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NR n77 subset 2	-	-	-	O	-	-	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	DC_2A-n77A subset 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n77A subset 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DC_12A-n77 subset 2A	-	-	-	O	-	-	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
Occupied Bandwidth	NR n7	-	-	-	O	-	-	-	-	-	-	O	O	O	O	O	O	-	O	O	O	O	
	NR n41	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	-	-	-	-	-	
	DC_28 A (subset 1)-n41A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	DC_28 A (subset 2)-n41A	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	-	O	O	O	O	O
	NR n66	-	-	-	O	-	-	-	-	-	-	O	O	O	O	O	O	-	O	O	O	O	O
	DC_2A-n66A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



	DC_5A_n66A	-	-	-	O	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O
	NR n77 subset 1	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O	O
	DC_2A-n77A subset 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n77 subset 1A	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O	O
	DC_12A-n77A subset 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NR n77 subset 2	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O	O
	DC_2A-n77A subset 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n77A subset 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_12A-n77 subset 2A	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O	O
Band Edge Compliance	NR n7	-	-	-	O	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O
	NR n41	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O	O
	DC_28 A (subset 1)-n41A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_28 A (subset 2)-n41A	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O	O
	NR n66	-	-	-	O	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O
	DC_2A-n66A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A_n66A	-	-	-	O	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O
	NR n77 subset 1	-	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O
	DC_2A-n77A subset 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n77 subset 1A	-	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O
	DC_12A-n77A subset 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NR n77 subset 2	-	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O
	DC_2A-n77A subset 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n77A subset 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DC_12A-n77 subset 2A	-	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O	
Peak-to-Average Power Ratio	NR n7	-	-	-	O	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O
	NR n41	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O	O
	DC_28 A (subset 1)-n41A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_28 A (subset 2)-n41A	-	-	-	-	-	-	-	-	-	-	O	O	O	O	O	O	O	O	O	O



	NR n66	-	-	-	0	-	-	-	-	-	-	0	0	0	0	0	-	-	0	0	0	0
	DC_2A-n66A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n66A	-	-	-	0	-	-	-	-	-	0	0	0	0	0	0	-	-	0	0	0	0
	NR n77 subset 1	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	-	-	0	0	0	0
	DC_2A-n77A subset 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n77 subset 1A	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	-	-	0	0	0	0
	DC_12A-n77A subset 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NR n77 subset 2	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	-	-	0	0	0	0
	DC_2A-n77A subset 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n77A subset 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_12A-n77 subset 2A	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	-	-	0	0	0	0
Frequency Stability	NR n7	0	0	0	0	-	-	-	-	-	0	0	0	0	0	0	0	-	-	-	0	-
	NR n41	-	-	-	0	-	-	0	0	0	0	0	0	0	0	0	0	-	-	-	0	-
	DC_28 A (subset 1)-n41A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_28 A (subset 2)-n41A	-	-	-	0	-	-	0	0	0	0	0	0	0	0	0	0	-	-	-	0	-
	NR n66	0	0	0	0	-	-	-	-	-	0	0	0	0	0	0	0	-	-	-	0	-
	DC_2A-n66A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n66A	0	0	0	0	-	-	-	-	-	0	0	0	0	0	0	0	-	-	-	0	-
	NR n77 subset 1	-	-	-	0	-	-	0	0	0	0	0	0	0	0	0	0	-	-	-	0	-
	DC_2A-n77A subset 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n77 subset 1A	-	-	-	0	-	-	0	0	0	0	0	0	0	0	0	0	-	-	-	0	-
	DC_12A-n77A subset 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NR n77 subset 2	-	-	-	0	-	-	0	0	0	0	0	0	0	0	0	0	-	-	-	0	-
	DC_2A-n77A subset 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DC_5A-n77A subset 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DC_12A-n77 subset 2A	-	-	-	0	-	-	0	0	0	0	0	0	0	0	0	0	-	-	-	0	-	
Spurious Emissions at Antenna Terminals	NR n7	-	-	-	0	-	-	-	-	-	0	0	0	0	-	0	-	-	-	0	-	
	NR n41	-	-	-	-	-	-	-	-	0	0	0	0	0	-	0	-	-	-	0	-	
	DC_28 A (subset 1)-n41A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



	DC_28 A (subset 2)-n41A	-	-	-	-	-	-	-	-	-	O	O	O	O	O	-	O	-	-	-	O	-
	NR n66	-	-	-	O	-	-	-	-	-	-	O	O	O	O	-	O	-	-	-	O	-
	DC_2A-n66A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A_n66A	-	-	-	O	-	-	-	-	-	-	O	O	O	O	-	O	-	-	-	O	-
	NR n77 subset 1	-	-	-	-	-	-	-	-	-	O	O	O	O	O	-	O	-	-	-	O	-
	DC_2A-n77A subset 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n77 subset 1A	-	-	-	-	-	-	-	-	-	O	O	O	O	O	-	O	-	-	-	O	-
	DC_12A-n77A subset 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NR n77 subset 2	-	-	-	-	-	-	-	-	-	O	O	O	O	O	-	O	-	-	-	O	-
	DC_2A-n77A subset 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_5A-n77A subset 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_12A-n77 subset 2A	-	-	-	-	-	-	-	-	-	O	O	O	O	O	-	O	-	-	-	O	-
Radiates Spurious Emission	NR n7	O	-	-	O	-	-	-	-	-	-	-	-	-	-	-	O	-	-	-	O	-
	NR n41	-	-	-	O	-	-	-	O	-	O	-	-	-	-	-	O	-	-	-	O	-
	DC_28 A (subset 1)-n41A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_28 A (subset 2)-n41A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NR n66	O	O	-	O	-	-	-	-	-	-	-	-	-	-	-	O	-	-	-	O	-
	DC_2A-n66A	O	-	O	-	-	O	-	-	-	-	-	-	-	-	-	O	-	-	-	O	-
	DC_5A_n66A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NR n77 subset 1	-	-	-	O	-	-	-	O	-	O	-	-	-	-	-	O	-	-	-	O	-
	DC_2A-n77A subset 1	-	-	-	O	-	-	-	O	-	O	-	-	-	-	-	O	-	-	-	O	-
	DC_5A-n77 subset 1A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC_12A-n77A subset 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NR n77 subset 2	-	-	-	O	-	-	-	O	-	O	-	-	-	-	-	O	-	-	-	O	-
	DC_2A-n77A subset 2	-	-	-	O	-	-	-	O	-	O	-	-	-	-	-	O	-	-	-	O	-
	DC_5A-n77A subset 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DC_12A-n77 subset 2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: 1. The mark "O" means that this configuration is chosen for testing.

2. The mark "-" means that this configuration is not testing.



3. Sub 6GHz operates using 15kHz Subcarrier Spacing with both CP-OFDM and DFT-s OFDM waveforms. The band supports PI/2 BPSK ,QPSK, 16QAM, 64QAM, and 256QAM modulation. The test data provided in this report represents the worst case configurations.

5 Test Case

5.1 RF Power Output and Effective Isotropic Radiated Power

Ambient condition

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

Methods of Measurement

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

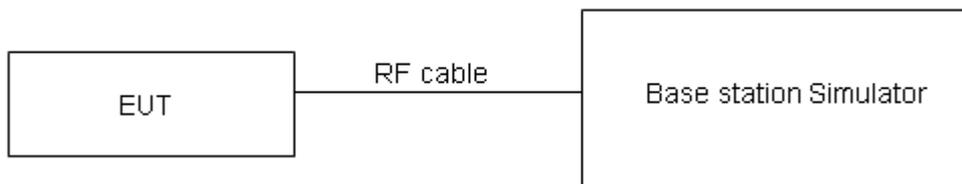
ERP can then be calculated as follows:

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

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

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

Test Setup



Limits

No specific RF power output requirements in part 2.1046.

Rule Part 27.50(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(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

Refer to the section 6.1 of this report for test data.

5.2 Occupied Bandwidth

Ambient condition

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

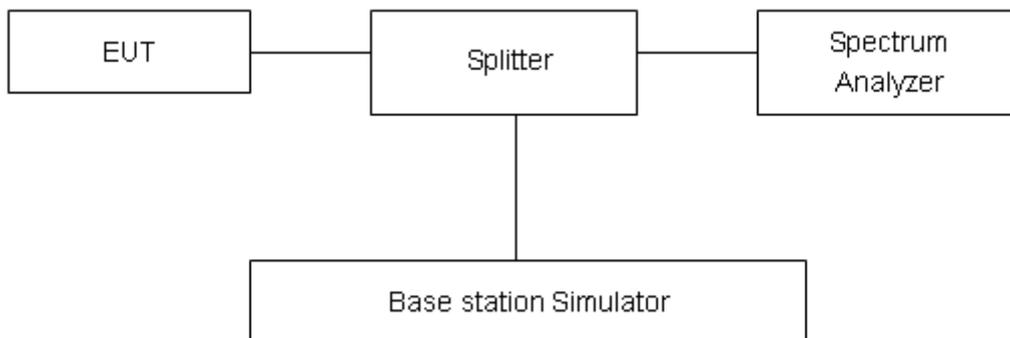
Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The occupied bandwidth is measured using spectrum analyzer.

RBW is set to $\geq 1\%EBW$, VBW is set to 3x RBW.

99% power and -26dBc occupied bandwidths are recorded. Spectrum analyzer plots are included on the following pages.

Test Setup



Limits

No specific occupied bandwidth requirements in part 2.1049.

Measurement Uncertainty

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

Test Results

Refer to the section 6.2 of this report for test data.

5.3 Band Edge Compliance

Ambient condition

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

Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The band edge of the lowest and highest channels were measured.

The testing follows KDB 971168 D01 v03r01 Section 6.0

The EUT was connected to spectrum analyzer and system simulator via a power divider.

The band edges of low and high channels for the highest RF powers were measured.

For LTE Band 7 /NR Band n7 set RBW \geq 1% EBW in the 1MHz band immediately outside and adjacent to the band edge. Beyond the 1 MHz band from the band edge, RBW=1MHz was used. RBW is set to \geq 1%EBW, VBW is set to 3x RBW.

For NR Band n41 the middle channel, high channel set RBW \geq 1% EBW in the 1MHz band immediately outside and adjacent to the band edge. Beyond the 1 MHz band from the band edge, RBW=1MHz was used; Low channel set RBW \geq 2% EBW in the 1MHz band immediately outside and adjacent to the band edge. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.

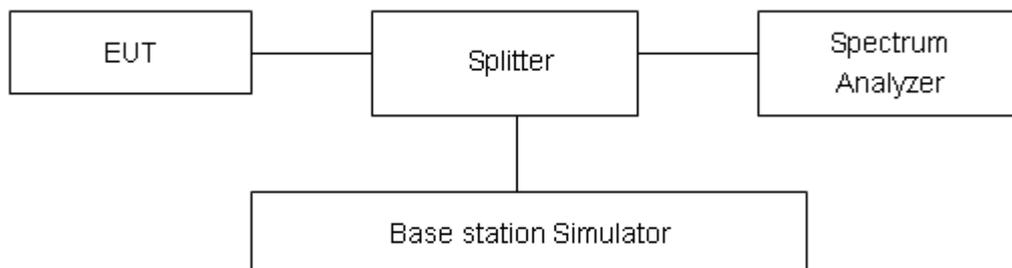
on spectrum analyzer.

Set spectrum analyzer with RMS detector.

The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

Checked that all the results comply with the emission limit line.

Test Setup



Limits

Rule Part 27.53 By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320 MHz.

Rule Part 27.53(h) specifies that “ for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be



attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB”

Rule Part 27.53(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

Rule Part 27.53(m) (4) specifies that “for BRS and EBS stations. For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Example:

The limit line is derived from $43 + 10 \log (P)$ dB below the transmitter power P(Watts)
= P(W)- [43 + 10log(P)] (dB)
= [30 + 10log (P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.

Measurement Uncertainty

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

Test Results

Refer to the section 6.3 of this report for test data.

5.4 Peak-to-Average Power Ratio (PAPR)

Ambient condition

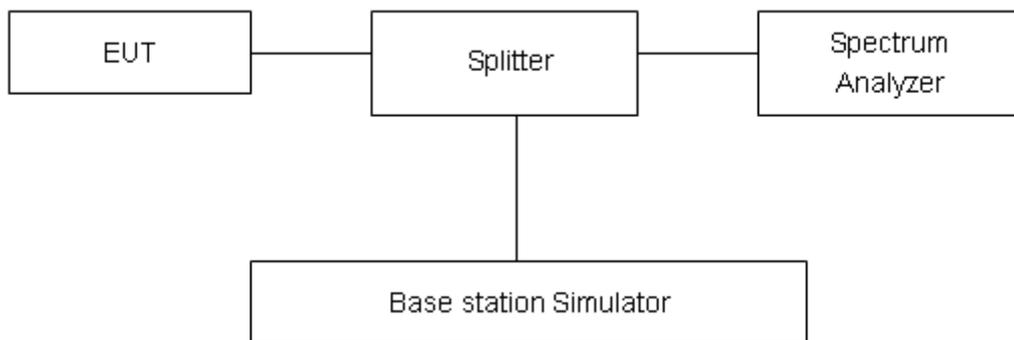
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

Measure the total peak power and record as PPK. And measure the total average power and record as PAvg. Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm). Determine the PAPR from:

$$PAPR (dB) = PPK (dBm) - PAvg (dBm).$$

Test Setup



Limits

Rule Part 27.50(d)(5) Equipment employed must be authorized in accordance with the provisions of 24.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

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.

Test Results

Refer to the section 6.4 of this report for test data.

5.5 Frequency Stability

Ambient condition

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

Method of Measurement

Frequency Stability (Temperature Variation)

The temperature inside the climate chamber is varied from -30°C to +50°C in 10°C step size.

(1)With all power removed, the temperature was decreased to -10°C and permitted to stabilize for three hours.

(2)Measure the carrier frequency with the test equipment in a “call mode”. These measurements should be made within 1 minute of powering up the mobile station, to prevent significant self warming.

(3) Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, un-powered, before making measurements.

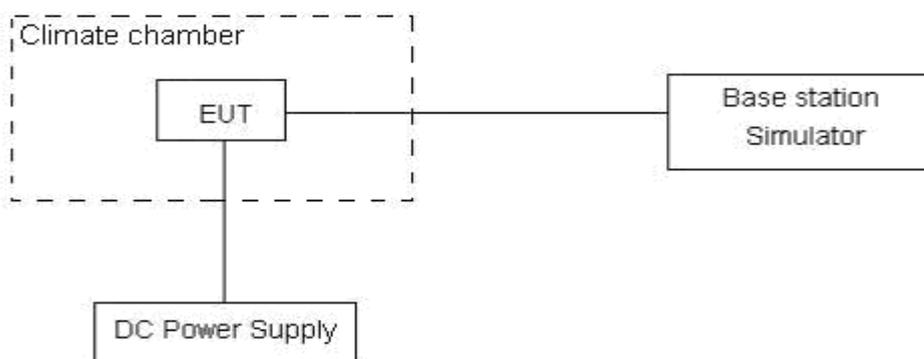
Frequency Stability (Voltage Variation)

The frequency stability shall be measured with variation of primary supply voltage as follows:

Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

This transceiver is specified to operate with an input voltage of between 3.70V and 4.45 V, with a nominal voltage of 3.89V.

Test setup



Limits

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 99.75% confidence level for the normal distribution is with the coverage factor $k = 3, U=0.01\text{ppm}$.

Test Results

Refer to the section 6.5 of this report for test data.

5.6 Spurious Emissions at Antenna Terminals

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 measurement is carried out using a spectrum analyzer. The spectrum analyzer scans from 9kHz to the 10th harmonic of the carrier. The peak detector is used.

RBW is set to 100kHz, VBW is set to 300kHz for 30MHz~1GHz

RBW is set to 1MHz, VBW is set to 3MHz for above 1GHz, Sweep is set to ATUO.

RBW is set to 1 kHz (0.009MHz~ 0.15 MHz),

RBW is set to 10 kHz (0.15 MHz~ 30 MHz)

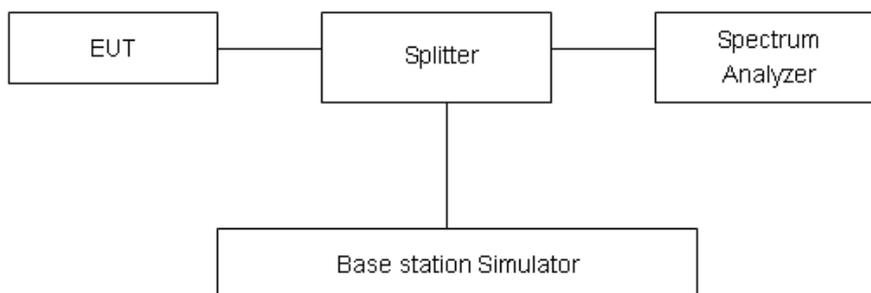
RBW is set to 100 kHz (30MHz~1000 MHz)

RBW is set to 1000 kHz (above 1000MHz)

Of those disturbances below (limit – 20 dB), the mark is not required for the EUT.

The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup



Limits

Rule Part 27.53(h) specifies that “for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.”

Rule Part 27.53 (g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.



Rule Part 27.53(m) $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section.

Part 27.53 (h)/(g) Limit	-13 dBm
Part 27.53(m) Limit	-25 dBm

Measurement Uncertainty

The assessed measurement uncertainty to ensure 99.75% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

Frequency	Uncertainty
9kHz-1GHz	0.684 dB
1GHz-40GHz	1.407 dB

Test Results

Refer to the section 6.6 of this report for test data.

5.7 Radiates Spurious Emission

Ambient condition

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

Method of Measurement

- The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI C63.26 (2015).
- Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H). Above 1GHz: (Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).
- A loop antenna, A log-periodic antenna or horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
- The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=100kHz, VBW=300kHz for 30MHz to 1GHz and RBW=1MHz, VBW=3MHz for above 1GHz, and the maximum value of the receiver should be recorded as (Pr).
- The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
- A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
- The measurement results are obtained as described below:

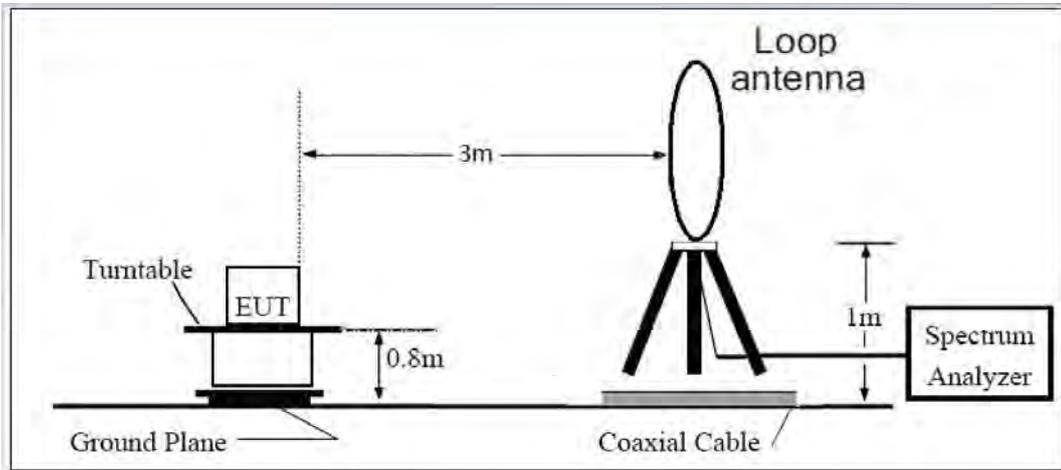
$$\text{Power(EIRP)} = \text{PMea} - \text{PAg} - \text{Pcl} + \text{Ga}$$
 The measurement results are amend as described below:

$$\text{Power(EIRP)} = \text{PMea} - \text{Pcl} + \text{Ga}$$
- This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, $\text{ERP} = \text{EIRP} - 2.15\text{dB}$.

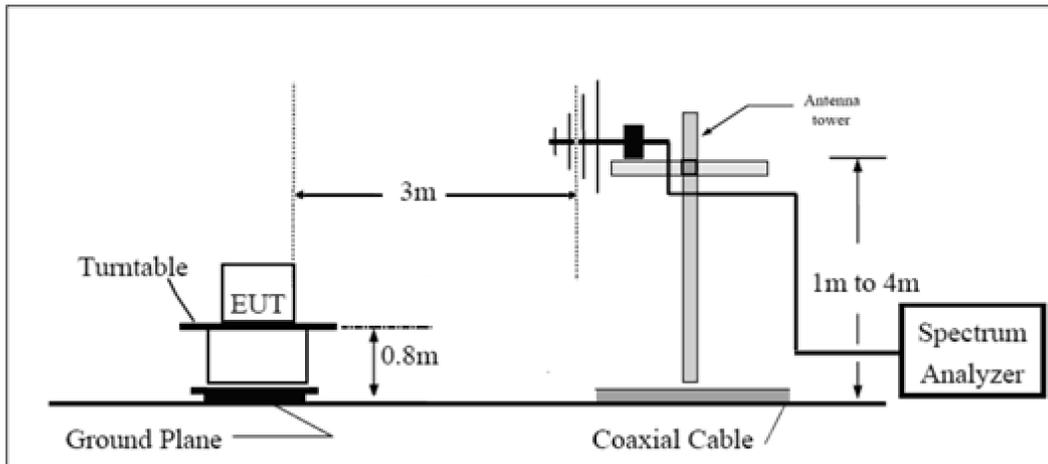
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup

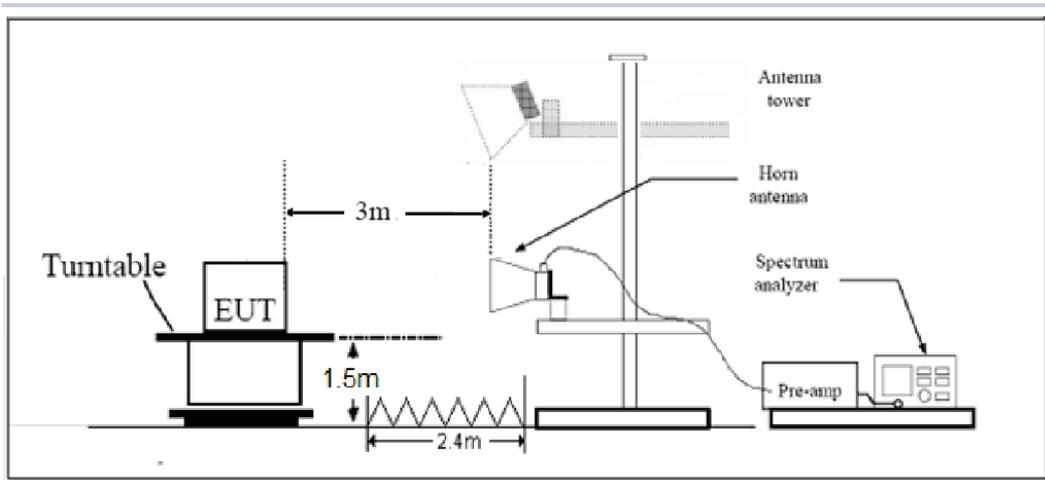
9KHz ~ 30MHz



30MHz ~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m



Limits

Rule Part 27.53(h) specifies that “for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.”

Rule Part 27.53 (g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

Rule Part 27.53(m) $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section.

Part 27.53(h)/(g) Limit	-13 dBm
Part 27.53(m) Limit	-25 dBm

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = \pm 1.96$, $U = \pm 3.55$ dB.

Test Results

Refer to the section 6.7 of this report for test data.

6 Test Results

6.1 RF Power Output and Effective Isotropic Radiated Power

WCDMA Band IV		Maximum Output Power (dBm)			Antenna 1 EIRP(dBm)			Antenna 4 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)	1712.4 (MHz)	1732.6 (MHz)	1752.6 (MHz)	1712.4 (MHz)	1732.6 (MHz)	1752.6 (MHz)
RMC	12.2k	23.72	23.82	23.81	22.02	22.12	22.11	19.62	19.72	19.71
AMR	12.2k	23.78	23.92	23.65	22.08	22.22	21.95	19.68	19.82	19.55
HSDPA	Sub - Test 1	22.80	22.76	22.85	21.10	21.06	21.15	18.70	18.66	18.75
	Sub - Test 2	22.74	22.96	22.67	21.04	21.26	20.97	18.64	18.86	18.57
	Sub - Test 3	22.06	22.40	22.43	20.36	20.70	20.73	17.96	18.30	18.33
	Sub - Test 4	22.20	22.40	22.41	20.50	20.70	20.71	18.10	18.30	18.31
HSUPA	Sub - Test 1	22.76	22.98	22.97	21.06	21.28	21.27	18.66	18.88	18.87
	Sub - Test 2	20.88	20.74	20.89	19.18	19.04	19.19	16.78	16.64	16.79
	Sub - Test 3	21.56	21.84	21.73	19.86	20.14	20.03	17.46	17.74	17.63
	Sub - Test 4	20.68	20.88	20.89	18.98	19.18	19.19	16.58	16.78	16.79
	Sub - Test 5	22.80	22.88	22.83	21.10	21.18	21.13	18.70	18.78	18.73
DC-HSDPA	Sub - Test 1	22.76	22.84	22.67	21.06	21.14	20.97	18.66	18.74	18.57
	Sub - Test 2	22.56	22.94	22.97	20.86	21.24	21.27	18.46	18.84	18.87
	Sub - Test 3	22.24	22.26	22.43	20.54	20.56	20.73	18.14	18.16	18.33
	Sub - Test 4	22.12	22.34	22.37	20.42	20.64	20.67	18.02	18.24	18.27
HSPA+	16QAM	21.52	21.60	21.39	19.82	19.90	19.69	17.42	17.50	17.29

LTE Band 4				Maximum Output Power(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 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	23.91	23.96	24.12	22.21	22.26	22.42	19.81	19.86	20.02
		1	2	24.04	24.05	24.06	22.34	22.35	22.36	19.94	19.95	19.96
		1	5	24.00	24.20	24.14	22.30	22.50	22.44	19.90	20.10	20.04
		3	0	24.00	24.09	24.08	22.30	22.39	22.38	19.90	19.99	19.98
		3	2	24.01	24.08	24.13	22.31	22.38	22.43	19.91	19.98	20.03
		3	3	24.07	24.41	24.13	22.37	22.71	22.43	19.97	20.31	20.03
		6	0	23.02	23.12	23.17	21.32	21.42	21.47	18.92	19.02	19.07



	16QAM	1	0	23.56	23.55	23.45	21.86	21.85	21.75	19.46	19.45	19.35
		1	2	23.58	23.58	23.50	21.88	21.88	21.80	19.48	19.48	19.40
		1	5	23.50	23.44	23.54	21.80	21.74	21.84	19.40	19.34	19.44
		3	0	23.09	23.02	23.19	21.39	21.32	21.49	18.99	18.92	19.09
		3	2	23.12	23.07	23.24	21.42	21.37	21.54	19.02	18.97	19.14
		3	3	23.12	23.08	23.22	21.42	21.38	21.52	19.02	18.98	19.12
		6	0	22.11	22.13	22.29	20.41	20.43	20.59	18.01	18.03	18.19
	64QAM	1	0	22.50	22.49	22.51	20.80	20.79	20.81	18.40	18.39	18.41
		1	2	22.24	22.23	22.32	20.54	20.53	20.62	18.14	18.13	18.22
		1	5	22.41	22.41	22.52	20.71	20.71	20.82	18.31	18.31	18.42
		3	0	22.16	22.09	22.21	20.46	20.39	20.51	18.06	17.99	18.11
		3	2	22.18	22.10	22.29	20.48	20.40	20.59	18.08	18.00	18.19
		3	3	22.21	22.18	22.31	20.51	20.48	20.61	18.11	18.08	18.21
		6	0	21.12	21.11	21.28	19.42	19.41	19.58	17.02	17.01	17.18
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	23.93	24.00	24.15	22.23	22.30	22.45	19.83	19.90	20.05
		1	7	24.02	24.08	24.10	22.32	22.38	22.40	19.92	19.98	20.00
		1	14	24.03	24.25	24.18	22.33	22.55	22.48	19.93	20.15	20.08
		8	0	23.10	23.21	23.21	21.40	21.51	21.51	19.00	19.11	19.11
		8	4	23.13	23.18	23.25	21.43	21.48	21.55	19.03	19.08	19.15
		8	7	23.17	23.52	23.23	21.47	21.82	21.53	19.07	19.42	19.13
		15	0	23.02	23.16	23.20	21.32	21.46	21.50	18.92	19.06	19.10
	16QAM	1	0	23.56	23.57	23.48	21.86	21.87	21.78	19.46	19.47	19.38
		1	7	23.58	23.58	23.54	21.88	21.88	21.84	19.48	19.48	19.44
		1	14	23.52	23.48	23.57	21.82	21.78	21.87	19.42	19.38	19.47
		8	0	22.20	22.15	22.31	20.50	20.45	20.61	18.10	18.05	18.21
		8	4	22.23	22.20	22.36	20.53	20.50	20.66	18.13	18.10	18.26
		8	7	22.22	22.20	22.35	20.52	20.50	20.65	18.12	18.10	18.25
		15	0	22.14	22.17	22.32	20.44	20.47	20.62	18.04	18.07	18.22
	64QAM	1	0	22.53	22.51	22.54	20.83	20.81	20.84	18.43	18.41	18.44
		1	7	22.27	22.23	22.34	20.57	20.53	20.64	18.17	18.13	18.24
		1	14	22.43	22.40	22.55	20.73	20.70	20.85	18.33	18.30	18.45
		8	0	21.27	21.22	21.33	19.57	19.52	19.63	17.17	17.12	17.23
		8	4	21.29	21.23	21.41	19.59	19.53	19.71	17.19	17.13	17.31
		8	7	21.31	21.30	21.44	19.61	19.60	19.74	17.21	17.20	17.34



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	
				15	0	21.15	21.15	21.31	19.45	19.45	19.61	17.05	17.05
5MHz	QPSK	1	0	23.90	23.98	24.11	22.20	22.28	22.41	19.80	19.88	20.01	
		1	13	24.00	24.04	24.07	22.30	22.34	22.37	19.90	19.94	19.97	
		1	24	24.00	24.20	24.14	22.30	22.50	22.44	19.90	20.10	20.04	
		12	0	23.07	23.16	23.17	21.37	21.46	21.47	18.97	19.06	19.07	
		12	6	23.11	23.14	23.20	21.41	21.44	21.50	19.01	19.04	19.10	
		12	13	23.15	23.50	23.19	21.45	21.80	21.49	19.05	19.40	19.09	
		25	0	23.02	23.15	23.18	21.32	21.45	21.48	18.92	19.05	19.08	
	16QAM	1	0	23.56	23.53	23.45	21.86	21.83	21.75	19.46	19.43	19.35	
		1	13	23.58	23.56	23.51	21.88	21.86	21.81	19.48	19.46	19.41	
		1	24	23.49	23.46	23.53	21.79	21.76	21.83	19.39	19.36	19.43	
		12	0	22.18	22.11	22.28	20.48	20.41	20.58	18.08	18.01	18.18	
		12	6	22.20	22.15	22.32	20.50	20.45	20.62	18.10	18.05	18.22	
		12	13	22.19	22.15	22.31	20.49	20.45	20.61	18.09	18.05	18.21	
		25	0	22.12	22.13	22.27	20.42	20.43	20.57	18.02	18.03	18.17	
	64QAM	1	0	22.50	22.51	22.51	20.80	20.81	20.81	18.40	18.41	18.41	
		1	13	22.24	22.25	22.31	20.54	20.55	20.61	18.14	18.15	18.21	
		1	24	22.44	22.38	22.51	20.74	20.68	20.81	18.34	18.28	18.41	
		12	0	21.25	21.18	21.34	19.55	19.48	19.64	17.15	17.08	17.24	
		12	6	21.26	21.18	21.37	19.56	19.48	19.67	17.16	17.08	17.27	
		12	13	21.28	21.25	21.40	19.58	19.55	19.70	17.18	17.15	17.30	
		25	0	21.13	21.11	21.26	19.43	19.41	19.56	17.03	17.01	17.16	
	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	23.92	23.99	24.14	22.22	22.29
10MHz	QPSK	1	25	24.03	24.09	24.11	22.33	22.39	22.41	19.93	19.99	20.01	
		1	49	24.02	24.24	24.17	22.32	22.54	22.47	19.92	20.14	20.07	
		25	0	23.10	23.21	23.21	21.40	21.51	21.51	19.00	19.11	19.11	
		25	13	23.14	23.19	23.24	21.44	21.49	21.54	19.04	19.09	19.14	
		25	25	23.17	23.54	23.24	21.47	21.84	21.54	19.07	19.44	19.14	
		50	0	23.06	23.17	23.22	21.36	21.47	21.52	18.96	19.07	19.12	
		16QAM	1	0	23.60	23.56	23.47	21.90	21.86	21.77	19.50	19.46	19.37
	1	25	23.62	23.60	23.54	21.92	21.90	21.84	19.52	19.50	19.44		



		1	49	23.52	23.48	23.56	21.82	21.78	21.86	19.42	19.38	19.46
		25	0	22.21	22.16	22.32	20.51	20.46	20.62	18.11	18.06	18.22
		25	13	22.22	22.19	22.35	20.52	20.49	20.65	18.12	18.09	18.25
		25	25	22.22	22.20	22.35	20.52	20.50	20.65	18.12	18.10	18.25
		50	0	22.15	22.18	22.31	20.45	20.48	20.61	18.05	18.08	18.21
	64QAM	1	0	22.52	22.50	22.53	20.82	20.80	20.83	18.42	18.40	18.43
		1	25	22.27	22.25	22.34	20.57	20.55	20.64	18.17	18.15	18.24
		1	49	22.43	22.40	22.54	20.73	20.70	20.84	18.33	18.30	18.44
		25	0	21.28	21.23	21.34	19.58	19.53	19.64	17.18	17.13	17.24
		25	13	21.28	21.22	21.40	19.58	19.52	19.70	17.18	17.12	17.30
		25	25	21.31	21.30	21.44	19.61	19.60	19.74	17.21	17.20	17.34
		50	0	21.16	21.16	21.30	19.46	19.46	19.60	17.06	17.06	17.20
	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	23.91	23.95	24.12	22.21	22.25	22.42	19.81	19.85	20.02
		1	38	24.01	24.08	24.08	22.31	22.38	22.38	19.91	19.98	19.98
		1	74	23.99	24.19	24.13	22.29	22.49	22.43	19.89	20.09	20.03
		36	0	23.08	23.17	23.18	21.38	21.47	21.48	18.98	19.07	19.08
		36	18	23.11	23.14	23.20	21.41	21.44	21.50	19.01	19.04	19.10
		36	39	23.14	23.51	23.20	21.44	21.81	21.50	19.04	19.41	19.10
		75	0	23.04	23.13	23.17	21.34	21.43	21.47	18.94	19.03	19.07
	16QAM	1	0	23.58	23.54	23.45	21.88	21.84	21.75	19.48	19.44	19.35
		1	38	23.60	23.57	23.52	21.90	21.87	21.82	19.50	19.47	19.42
		1	74	23.50	23.44	23.53	21.80	21.74	21.83	19.40	19.34	19.43
		36	0	22.18	22.14	22.29	20.48	20.44	20.59	18.08	18.04	18.19
		36	18	22.19	22.14	22.31	20.49	20.44	20.61	18.09	18.04	18.21
		36	39	22.20	22.16	22.32	20.50	20.46	20.62	18.10	18.06	18.22
		75	0	22.12	22.13	22.27	20.42	20.43	20.57	18.02	18.03	18.17
	64QAM	1	0	22.47	22.48	22.51	20.77	20.78	20.81	18.37	18.38	18.41
		1	38	22.25	22.22	22.32	20.55	20.52	20.62	18.15	18.12	18.22
		1	74	22.44	22.39	22.55	20.74	20.69	20.85	18.34	18.29	18.45
		36	0	21.27	21.25	21.35	19.57	19.55	19.65	17.17	17.15	17.25
		36	18	21.26	21.19	21.39	19.56	19.49	19.69	17.16	17.09	17.29
		36	39	21.29	21.26	21.41	19.59	19.56	19.71	17.19	17.16	17.31
		75	0	21.13	21.11	21.26	19.43	19.41	19.56	17.03	17.01	17.16



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
20MHz	QPSK	1	0	23.88	23.91	24.09	22.18	22.21	22.39	19.78	19.81	19.99
		1	50	24.00	24.04	24.06	22.30	22.34	22.36	19.90	19.94	19.96
		1	99	23.97	24.18	24.10	22.27	22.48	22.40	19.87	20.08	20.00
		50	0	23.05	23.12	23.14	21.35	21.42	21.44	18.95	19.02	19.04
		50	25	23.09	23.10	23.17	21.39	21.40	21.47	18.99	19.00	19.07
		50	50	23.11	23.46	23.16	21.41	21.76	21.46	19.01	19.36	19.06
		100	0	23.01	23.08	23.13	21.31	21.38	21.43	18.91	18.98	19.03
	16QAM	1	0	23.55	23.50	23.40	21.85	21.80	21.70	19.45	19.40	19.30
		1	50	23.57	23.55	23.48	21.87	21.85	21.78	19.47	19.45	19.38
		1	99	23.47	23.41	23.51	21.77	21.71	21.81	19.37	19.31	19.41
		50	0	22.15	22.10	22.26	20.45	20.40	20.56	18.05	18.00	18.16
		50	25	22.16	22.12	22.28	20.46	20.42	20.58	18.06	18.02	18.18
		50	50	22.17	22.11	22.28	20.47	20.41	20.58	18.07	18.01	18.18
		100	0	22.10	22.09	22.24	20.40	20.39	20.54	18.00	17.99	18.14
	64QAM	1	0	22.45	22.44	22.46	20.75	20.74	20.76	18.35	18.34	18.36
		1	50	22.21	22.20	22.28	20.51	20.50	20.58	18.11	18.10	18.18
		1	99	22.38	22.33	22.49	20.68	20.63	20.79	18.28	18.23	18.39
		50	0	21.22	21.17	21.28	19.52	19.47	19.58	17.12	17.07	17.18
		50	25	21.22	21.15	21.33	19.52	19.45	19.63	17.12	17.05	17.23
		50	50	21.26	21.21	21.37	19.56	19.51	19.67	17.16	17.11	17.27
		100	0	21.11	21.07	21.23	19.41	19.37	19.53	17.01	16.97	17.13

LTE Band 7				Maximum Output Power(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 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	24.15	24.28	24.29	23.55	23.68	23.69	22.15	22.28	22.29
		1	13	24.13	24.27	24.34	23.53	23.67	23.74	22.13	22.27	22.34
		1	24	24.27	24.38	24.38	23.67	23.78	23.78	22.27	22.38	22.38
		12	0	23.29	23.41	23.41	22.69	22.81	22.81	21.29	21.41	21.41
		12	6	23.38	23.45	23.54	22.78	22.85	22.94	21.38	21.45	21.54
		12	13	23.39	23.50	23.53	22.79	22.90	22.93	21.39	21.50	21.53
		25	0	23.39	23.46	23.56	22.79	22.86	22.96	21.39	21.46	21.56
	16QAM	1	0	23.39	23.53	23.65	22.79	22.93	23.05	21.39	21.53	21.65



		1	13	23.48	23.67	23.65	22.88	23.07	23.05	21.48	21.67	21.65
		1	24	23.55	23.75	23.49	22.95	23.15	22.89	21.55	21.75	21.49
		12	0	22.28	22.37	22.40	21.68	21.77	21.80	20.28	20.37	20.40
		12	6	22.44	22.45	22.56	21.84	21.85	21.96	20.44	20.45	20.56
		12	13	22.38	22.50	22.54	21.78	21.90	21.94	20.38	20.50	20.54
		25	0	22.40	22.45	22.53	21.80	21.85	21.93	20.40	20.45	20.53
	64QAM	1	0	22.15	22.51	22.42	21.55	21.91	21.82	20.15	20.51	20.42
		1	13	22.48	22.50	22.12	21.88	21.90	21.52	20.48	20.50	20.12
		1	24	22.18	22.60	21.78	21.58	22.00	21.18	20.18	20.60	19.78
		12	0	21.21	21.40	21.43	20.61	20.80	20.83	19.21	19.40	19.43
		12	6	21.45	21.47	21.25	20.85	20.87	20.65	19.45	19.47	19.25
		12	13	21.40	21.53	21.07	20.80	20.93	20.47	19.40	19.53	19.07
	25	0	21.25	21.43	21.20	20.65	20.83	20.60	19.25	19.43	19.20	
	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	24.17	24.29	24.32	23.57	23.69	23.72	22.17	22.29	22.32
		1	25	24.16	24.32	24.38	23.56	23.72	23.78	22.16	22.32	22.38
		1	49	24.29	24.42	24.41	23.69	23.82	23.81	22.29	22.42	22.41
		25	0	23.32	23.46	23.45	22.72	22.86	22.85	21.32	21.46	21.45
		25	13	23.41	23.50	23.58	22.81	22.90	22.98	21.41	21.50	21.58
		25	25	23.41	23.54	23.58	22.81	22.94	22.98	21.41	21.54	21.58
		50	0	23.43	23.48	23.60	22.83	22.88	23.00	21.43	21.48	21.60
	16QAM	1	0	23.43	23.56	23.67	22.83	22.96	23.07	21.43	21.56	21.67
		1	25	23.52	23.71	23.68	22.92	23.11	23.08	21.52	21.71	21.68
		1	49	23.58	23.77	23.52	22.98	23.17	22.92	21.58	21.77	21.52
		25	0	22.31	22.42	22.44	21.71	21.82	21.84	20.31	20.42	20.44
		25	13	22.46	22.49	22.59	21.86	21.89	21.99	20.46	20.49	20.59
		25	25	22.41	22.55	22.58	21.81	21.95	21.98	20.41	20.55	20.58
		50	0	22.43	22.50	22.57	21.83	21.90	21.97	20.43	20.50	20.57
	64QAM	1	0	22.17	22.50	22.44	21.57	21.90	21.84	20.17	20.50	20.44
		1	25	22.51	22.50	22.15	21.91	21.90	21.55	20.51	20.50	20.15
		1	49	22.17	22.62	21.81	21.57	22.02	21.21	20.17	20.62	19.81
		25	0	21.24	21.45	21.43	20.64	20.85	20.83	19.24	19.45	19.43
		25	13	21.47	21.51	21.28	20.87	20.91	20.68	19.47	19.51	19.28
		25	25	21.43	21.58	21.11	20.83	20.98	20.51	19.43	19.58	19.11
		50	0	21.28	21.48	21.24	20.68	20.88	20.64	19.28	19.48	19.24



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
15MHz	QPSK	1	0	24.16	24.25	24.30	23.56	23.65	23.70	22.16	22.25	22.30
		1	38	24.14	24.31	24.35	23.54	23.71	23.75	22.14	22.31	22.35
		1	74	24.26	24.37	24.37	23.66	23.77	23.77	22.26	22.37	22.37
		36	0	23.30	23.42	23.42	22.70	22.82	22.82	21.30	21.42	21.42
		36	18	23.38	23.45	23.54	22.78	22.85	22.94	21.38	21.45	21.54
		36	39	23.38	23.51	23.54	22.78	22.91	22.94	21.38	21.51	21.54
		75	0	23.41	23.44	23.55	22.81	22.84	22.95	21.41	21.44	21.55
	16QAM	1	0	23.41	23.54	23.65	22.81	22.94	23.05	21.41	21.54	21.65
		1	38	23.50	23.68	23.66	22.90	23.08	23.06	21.50	21.68	21.66
		1	74	23.56	23.73	23.49	22.96	23.13	22.89	21.56	21.73	21.49
		36	0	22.28	22.40	22.41	21.68	21.80	21.81	20.28	20.40	20.41
		36	18	22.43	22.44	22.55	21.83	21.84	21.95	20.43	20.44	20.55
		36	39	22.39	22.51	22.55	21.79	21.91	21.95	20.39	20.51	20.55
		75	0	22.40	22.45	22.53	21.80	21.85	21.93	20.40	20.45	20.53
	64QAM	1	0	22.12	22.48	22.42	21.52	21.88	21.82	20.12	20.48	20.42
		1	38	22.49	22.47	22.13	21.89	21.87	21.53	20.49	20.47	20.13
		1	74	22.18	22.61	21.82	21.58	22.01	21.22	20.18	20.61	19.82
		36	0	21.23	21.47	21.44	20.63	20.87	20.84	19.23	19.47	19.44
		36	18	21.45	21.48	21.27	20.85	20.88	20.67	19.45	19.48	19.27
		36	39	21.41	21.54	21.08	20.81	20.94	20.48	19.41	19.54	19.08
		75	0	21.25	21.43	21.20	20.65	20.83	20.60	19.25	19.43	19.20
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
20MHz	QPSK	1	0	24.13	24.21	24.27	23.53	23.61	23.67	22.13	22.21	22.27
		1	50	24.13	24.27	24.33	23.53	23.67	23.73	22.13	22.27	22.33
		1	99	24.24	24.36	24.34	23.64	23.76	23.74	22.24	22.36	22.34
		50	0	23.27	23.37	23.38	22.67	22.77	22.78	21.27	21.37	21.38
		50	25	23.36	23.41	23.51	22.76	22.81	22.91	21.36	21.41	21.51
		50	50	23.35	23.46	23.50	22.75	22.86	22.90	21.35	21.46	21.50
		100	0	23.38	23.39	23.51	22.78	22.79	22.91	21.38	21.39	21.51
	16QAM	1	0	23.38	23.50	23.60	22.78	22.90	23.00	21.38	21.50	21.60
		1	50	23.47	23.66	23.62	22.87	23.06	23.02	21.47	21.66	21.62
		1	99	23.53	23.70	23.47	22.93	23.10	22.87	21.53	21.70	21.47



		50	0	22.25	22.36	22.38	21.65	21.76	21.78	20.25	20.36	20.38
		50	25	22.40	22.42	22.52	21.80	21.82	21.92	20.40	20.42	20.52
		50	50	22.36	22.46	22.51	21.76	21.86	21.91	20.36	20.46	20.51
		100	0	22.38	22.41	22.50	21.78	21.81	21.90	20.38	20.41	20.50
	64QAM	1	0	22.10	22.44	22.37	21.50	21.84	21.77	20.10	20.44	20.37
		1	50	22.45	22.45	22.09	21.85	21.85	21.49	20.45	20.45	20.09
		1	99	22.12	22.55	21.76	21.52	21.95	21.16	20.12	20.55	19.76
		50	0	21.18	21.39	21.37	20.58	20.79	20.77	19.18	19.39	19.37
		50	25	21.41	21.44	21.21	20.81	20.84	20.61	19.41	19.44	19.21
		50	50	21.38	21.49	21.04	20.78	20.89	20.44	19.38	19.49	19.04
		100	0	21.23	21.39	21.17	20.63	20.79	20.57	19.23	19.39	19.17

LTE Band 12				Maximum Output Power(dBm)			Antenna 0 ERP(dBm)			Antenna 6 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	23.82	24.20	23.80	15.67	16.05	15.65	13.07	13.45	13.05
		1	2	24.11	24.00	23.94	15.96	15.85	15.79	13.36	13.25	13.19
		1	5	24.09	24.26	24.23	15.94	16.11	16.08	13.34	13.51	13.48
		3	0	23.96	24.07	24.13	15.81	15.92	15.98	13.21	13.32	13.38
		3	2	24.04	24.19	24.17	15.89	16.04	16.02	13.29	13.44	13.42
		3	3	24.13	24.18	24.29	15.98	16.03	16.14	13.38	13.43	13.54
		6	0	23.12	23.26	22.65	14.97	15.11	14.50	12.37	12.51	11.90
	16QAM	1	0	23.51	23.36	23.42	15.36	15.21	15.27	12.76	12.61	12.67
		1	2	23.59	23.50	23.53	15.44	15.35	15.38	12.84	12.75	12.78
		1	5	23.56	23.42	23.50	15.41	15.27	15.35	12.81	12.67	12.75
		3	0	23.28	23.07	23.15	15.13	14.92	15.00	12.53	12.32	12.40
		3	2	23.45	23.20	23.29	15.30	15.05	15.14	12.70	12.45	12.54
		3	3	23.38	23.17	23.21	15.23	15.02	15.06	12.63	12.42	12.46
		6	0	22.44	22.25	22.33	14.29	14.10	14.18	11.69	11.50	11.58
	64QAM	1	0	22.61	22.51	22.59	14.46	14.36	14.44	11.86	11.76	11.84
		1	2	22.55	22.52	22.59	14.40	14.37	14.44	11.80	11.77	11.84
		1	5	22.45	22.52	22.53	14.30	14.37	14.38	11.70	11.77	11.78
		3	0	22.32	22.15	22.21	14.17	14.00	14.06	11.57	11.40	11.46
		3	2	22.43	22.18	22.27	14.28	14.03	14.12	11.68	11.43	11.52
		3	3	22.53	22.32	22.36	14.38	14.17	14.21	11.78	11.57	11.61



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
				6	0	21.37	21.16	21.25	13.22	13.01	13.10	10.62
3MHz	QPSK	1	0	23.84	24.24	23.83	15.69	16.09	15.68	13.09	13.49	13.08
		1	7	24.09	24.03	23.98	15.94	15.88	15.83	13.34	13.28	13.23
		1	14	24.12	24.31	24.27	15.97	16.16	16.12	13.37	13.56	13.52
		8	0	23.06	23.19	23.26	14.91	15.04	15.11	12.31	12.44	12.51
		8	4	23.16	23.29	23.29	15.01	15.14	15.14	12.41	12.54	12.54
		8	7	23.23	23.29	23.39	15.08	15.14	15.24	12.48	12.54	12.64
		15	0	23.12	23.30	22.68	14.97	15.15	14.53	12.37	12.55	11.93
	16QAM	1	0	23.51	23.38	23.45	15.36	15.23	15.30	12.76	12.63	12.70
		1	7	23.59	23.50	23.57	15.44	15.35	15.42	12.84	12.75	12.82
		1	14	23.58	23.46	23.53	15.43	15.31	15.38	12.83	12.71	12.78
		8	0	22.39	22.20	22.27	14.24	14.05	14.12	11.64	11.45	11.52
		8	4	22.56	22.33	22.41	14.41	14.18	14.26	11.81	11.58	11.66
		8	7	22.48	22.29	22.34	14.33	14.14	14.19	11.73	11.54	11.59
		15	0	22.47	22.29	22.36	14.32	14.14	14.21	11.72	11.54	11.61
	64QAM	1	0	22.64	22.53	22.62	14.49	14.38	14.47	11.89	11.78	11.87
		1	7	22.58	22.52	22.61	14.43	14.37	14.46	11.83	11.77	11.86
		1	14	22.47	22.51	22.56	14.32	14.36	14.41	11.72	11.76	11.81
		8	0	21.43	21.28	21.33	13.28	13.13	13.18	10.68	10.53	10.58
		8	4	21.54	21.31	21.39	13.39	13.16	13.24	10.79	10.56	10.64
		8	7	21.63	21.44	21.49	13.48	13.29	13.34	10.88	10.69	10.74
		15	0	21.40	21.20	21.28	13.25	13.05	13.13	10.65	10.45	10.53
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
				1	0	23.82 <th>24.19 <th>23.80 <th>15.67 <th>16.04 <th>15.65 <th>13.07 <th>13.44 <th>13.05 </th></th></th></th></th></th></th></th>	24.19 <th>23.80 <th>15.67 <th>16.04 <th>15.65 <th>13.07 <th>13.44 <th>13.05 </th></th></th></th></th></th></th>	23.80 <th>15.67 <th>16.04 <th>15.65 <th>13.07 <th>13.44 <th>13.05 </th></th></th></th></th></th>	15.67 <th>16.04 <th>15.65 <th>13.07 <th>13.44 <th>13.05 </th></th></th></th></th>	16.04 <th>15.65 <th>13.07 <th>13.44 <th>13.05 </th></th></th></th>	15.65 <th>13.07 <th>13.44 <th>13.05 </th></th></th>	13.07 <th>13.44 <th>13.05 </th></th>
5MHz	QPSK	1	13	24.08	24.03	23.96	15.93	15.88	15.81	13.33	13.28	13.21
		1	24	24.08	24.25	24.22	15.93	16.10	16.07	13.33	13.50	13.47
		12	0	23.04	23.15	23.23	14.89	15.00	15.08	12.29	12.40	12.48
		12	6	23.14	23.25	23.24	14.99	15.10	15.09	12.39	12.50	12.49
		12	13	23.20	23.28	23.36	15.05	15.13	15.21	12.45	12.53	12.61
		25	0	23.14	23.27	22.65	14.99	15.12	14.50	12.39	12.52	11.90
		1	0	23.53	23.35	23.42	15.38	15.20	15.27	12.78	12.60	12.67
	16QAM	1	13	23.61	23.49	23.55	15.46	15.34	15.40	12.86	12.74	12.80



		1	24	23.56	23.42	23.49	15.41	15.27	15.34	12.81	12.67	12.74
		12	0	22.37	22.19	22.25	14.22	14.04	14.10	11.62	11.44	11.50
		12	6	22.52	22.27	22.36	14.37	14.12	14.21	11.77	11.52	11.61
		12	13	22.46	22.25	22.31	14.31	14.10	14.16	11.71	11.50	11.56
		25	0	22.45	22.25	22.31	14.30	14.10	14.16	11.70	11.50	11.56
	64QAM	1	0	22.58	22.50	22.59	14.43	14.35	14.44	11.83	11.75	11.84
		1	13	22.56	22.51	22.59	14.41	14.36	14.44	11.81	11.76	11.84
		1	24	22.48	22.50	22.56	14.33	14.35	14.41	11.73	11.75	11.81
		12	0	21.43	21.31	21.35	13.28	13.16	13.20	10.68	10.56	10.60
		12	6	21.51	21.27	21.37	13.36	13.12	13.22	10.76	10.52	10.62
		12	13	21.61	21.40	21.46	13.46	13.25	13.31	10.86	10.65	10.71
		25	0	21.38	21.16	21.23	13.23	13.01	13.08	10.63	10.41	10.48
	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	23.79	24.15	23.77	15.64	16.00	15.62	13.04	13.40	13.02
		1	25	24.07	23.99	23.94	15.92	15.84	15.79	13.32	13.24	13.19
		1	49	24.06	24.24	24.19	15.91	16.09	16.04	13.31	13.49	13.44
		25	0	23.01	23.10	23.19	14.86	14.95	15.04	12.26	12.35	12.44
		25	13	23.12	23.21	23.21	14.97	15.06	15.06	12.37	12.46	12.46
		25	25	23.17	23.23	23.32	15.02	15.08	15.17	12.42	12.48	12.57
		50	0	23.11	23.22	22.61	14.96	15.07	14.46	12.36	12.47	11.86
	16QAM	1	0	23.50	23.31	23.37	15.35	15.16	15.22	12.75	12.56	12.62
		1	25	23.58	23.47	23.51	15.43	15.32	15.36	12.83	12.72	12.76
		1	49	23.53	23.39	23.47	15.38	15.24	15.32	12.78	12.64	12.72
		25	0	22.34	22.15	22.22	14.19	14.00	14.07	11.59	11.40	11.47
		25	13	22.49	22.25	22.33	14.34	14.10	14.18	11.74	11.50	11.58
		25	25	22.43	22.20	22.27	14.28	14.05	14.12	11.68	11.45	11.52
		50	0	22.43	22.21	22.28	14.28	14.06	14.13	11.68	11.46	11.53
	64QAM	1	0	22.56	22.46	22.54	14.41	14.31	14.39	11.81	11.71	11.79
		1	25	22.52	22.49	22.55	14.37	14.34	14.40	11.77	11.74	11.80
		1	49	22.42	22.44	22.50	14.27	14.29	14.35	11.67	11.69	11.75
		25	0	21.38	21.23	21.28	13.23	13.08	13.13	10.63	10.48	10.53
		25	13	21.47	21.23	21.31	13.32	13.08	13.16	10.72	10.48	10.56
		25	25	21.58	21.35	21.42	13.43	13.20	13.27	10.83	10.60	10.67
		50	0	21.36	21.12	21.20	13.21	12.97	13.05	10.61	10.37	10.45



LTE Band 17				Maximum Output Power(dBm)			Antenna 0 ERP(dBm)			Antenna 6 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	23.91	23.85	23.95	15.76	15.70	15.80	13.16	13.10	13.20
		1	13	23.79	24.09	24.07	15.64	15.94	15.92	13.04	13.34	13.32
		1	24	24.18	24.09	24.15	16.03	15.94	16.00	13.43	13.34	13.40
		12	0	23.02	23.12	23.05	14.87	14.97	14.90	12.27	12.37	12.30
		12	6	23.15	23.15	23.28	15.00	15.00	15.13	12.40	12.40	12.53
		12	13	23.23	23.21	23.19	15.08	15.06	15.04	12.48	12.46	12.44
		25	0	23.18	23.19	23.13	15.03	15.04	14.98	12.43	12.44	12.38
	16QAM	1	0	23.29	23.22	23.36	15.14	15.07	15.21	12.54	12.47	12.61
		1	13	23.41	23.34	23.44	15.26	15.19	15.29	12.66	12.59	12.69
		1	24	23.36	23.30	23.41	15.21	15.15	15.26	12.61	12.55	12.66
		12	0	22.11	22.07	22.16	13.96	13.92	14.01	11.36	11.32	11.41
		12	6	22.40	22.31	22.44	14.25	14.16	14.29	11.65	11.56	11.69
		12	13	22.28	22.23	22.35	14.13	14.08	14.20	11.53	11.48	11.60
		25	0	22.20	22.14	22.22	14.05	13.99	14.07	11.45	11.39	11.47
	64QAM	1	0	21.95	21.89	21.99	13.80	13.74	13.84	11.20	11.14	11.24
		1	13	22.44	22.36	22.45	14.29	14.21	14.30	11.69	11.61	11.70
		1	24	22.41	22.35	22.46	14.26	14.20	14.31	11.66	11.60	11.71
		12	0	20.87	20.85	20.94	12.72	12.70	12.79	10.12	10.10	10.19
		12	6	21.23	21.15	21.32	13.08	13.00	13.17	10.48	10.40	10.57
		12	13	21.32	21.27	21.38	13.17	13.12	13.23	10.57	10.52	10.63
		25	0	21.18	21.12	21.23	13.03	12.97	13.08	10.43	10.37	10.48
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	23.88	23.81	23.92	15.73	15.66	15.77	13.13	13.06	13.17
		1	25	23.78	24.05	24.05	15.63	15.90	15.90	13.03	13.30	13.30
		1	49	24.16	24.08	24.12	16.01	15.93	15.97	13.41	13.33	13.37
		25	0	22.99	23.07	23.01	14.84	14.92	14.86	12.24	12.32	12.26
		25	13	23.13	23.11	23.25	14.98	14.96	15.10	12.38	12.36	12.50
		25	25	23.20	23.16	23.15	15.05	15.01	15.00	12.45	12.41	12.40
		50	0	23.15	23.14	23.09	15.00	14.99	14.94	12.40	12.39	12.34
	16QAM	1	0	23.26	23.18	23.31	15.11	15.03	15.16	12.51	12.43	12.56



		1	25	23.38	23.32	23.40	15.23	15.17	15.25	12.63	12.57	12.65
		1	49	23.33	23.27	23.39	15.18	15.12	15.24	12.58	12.52	12.64
		25	0	22.08	22.03	22.13	13.93	13.88	13.98	11.33	11.28	11.38
		25	13	22.37	22.29	22.41	14.22	14.14	14.26	11.62	11.54	11.66
		25	25	22.25	22.18	22.31	14.10	14.03	14.16	11.50	11.43	11.56
		50	0	22.18	22.10	22.19	14.03	13.95	14.04	11.43	11.35	11.44
	64QAM	1	0	21.93	21.85	21.94	13.78	13.70	13.79	11.18	11.10	11.19
		1	25	22.40	22.34	22.41	14.25	14.19	14.26	11.65	11.59	11.66
		1	49	22.35	22.29	22.40	14.20	14.14	14.25	11.60	11.54	11.65
		25	0	20.82	20.77	20.87	12.67	12.62	12.72	10.07	10.02	10.12
		25	13	21.19	21.11	21.26	13.04	12.96	13.11	10.44	10.36	10.51
		25	25	21.29	21.22	21.34	13.14	13.07	13.19	10.54	10.47	10.59
		50	0	21.16	21.08	21.20	13.01	12.93	13.05	10.41	10.33	10.45

LTE Band 66				Maximum Output Power(dBm)			Antenna 2 ERP(dBm)			Antenna 1 ERP(dBm)			Antenna 4 ERP(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	131979/1710.7	132322/1745	132665/1779.3
1.4MHz	QPSK	1	0	24.22	24.26	24.34	19.12	19.16	19.24	22.52	22.56	22.64	20.12	20.16	20.24
		1	2	24.21	24.21	24.21	19.11	19.11	19.11	22.51	22.51	22.51	20.11	20.11	20.11
		1	5	24.14	24.13	24.26	19.04	19.03	19.16	22.44	22.43	22.56	20.04	20.03	20.16
		3	0	24.19	24.22	24.25	19.09	19.12	19.15	22.49	22.52	22.55	20.09	20.12	20.15
		3	2	24.20	24.22	24.24	19.10	19.12	19.14	22.50	22.52	22.54	20.10	20.12	20.14
		3	3	24.16	24.23	24.29	19.06	19.13	19.19	22.46	22.53	22.59	20.06	20.13	20.19
		6	0	23.31	23.25	23.35	18.21	18.15	18.25	21.61	21.55	21.65	19.21	19.15	19.25
	16QAM	1	0	23.70	23.66	23.68	18.60	18.56	18.58	22.00	21.96	21.98	19.60	19.56	19.58
		1	2	23.68	23.66	23.66	18.58	18.56	18.56	21.98	21.96	21.96	19.58	19.56	19.56
		1	5	23.68	23.81	23.85	18.58	18.71	18.75	21.98	22.11	22.15	19.58	19.71	19.75
		3	0	23.31	23.16	23.20	18.21	18.06	18.10	21.61	21.46	21.50	19.21	19.06	19.10
		3	2	23.35	23.20	23.24	18.25	18.10	18.14	21.65	21.50	21.54	19.25	19.10	19.14
		3	3	23.36	23.24	23.24	18.26	18.14	18.14	21.66	21.54	21.54	19.26	19.14	19.14
		6	0	22.35	22.28	22.34	17.25	17.18	17.24	20.65	20.58	20.64	18.25	18.18	18.24
	64QAM	1	0	22.75	22.61	22.66	17.65	17.51	17.56	21.05	20.91	20.96	18.65	18.51	18.56
		1	2	22.78	22.68	22.72	17.68	17.58	17.62	21.08	20.98	21.02	18.68	18.58	18.62
		1	5	22.77	22.70	22.67	17.67	17.60	17.57	21.07	21.00	20.97	18.67	18.60	18.57
		3	0	22.42	22.28	22.31	17.32	17.18	17.21	20.72	20.58	20.61	18.32	18.18	18.21



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	131987/1711.5	132322/1745	132657/1778.5	
		3	2	22.49	22.30	22.35	17.39	17.20	17.25	20.79	20.60	20.65	18.39	18.20	18.25	
		3	3	22.48	22.37	22.37	17.38	17.27	17.27	20.78	20.67	20.67	18.38	18.27	18.27	
		6	0	21.46	21.38	21.42	16.36	16.28	16.32	19.76	19.68	19.72	17.36	17.28	17.32	
3MHz	QPSK	1	0	24.24	24.30	24.37	19.14	19.20	19.27	22.54	22.60	22.67	20.14	20.20	20.27	
		1	7	24.19	24.24	24.25	19.09	19.14	19.15	22.49	22.54	22.55	20.09	20.14	20.15	
		1	14	24.17	24.18	24.30	19.07	19.08	19.20	22.47	22.48	22.60	20.07	20.08	20.20	
		8	0	23.29	23.34	23.38	18.19	18.24	18.28	21.59	21.64	21.68	19.19	19.24	19.28	
		8	4	23.32	23.32	23.36	18.22	18.22	18.26	21.62	21.62	21.66	19.22	19.22	19.26	
		8	7	23.26	23.34	23.39	18.16	18.24	18.29	21.56	21.64	21.69	19.16	19.24	19.29	
		15	0	23.31	23.29	23.38	18.21	18.19	18.28	21.61	21.59	21.68	19.21	19.19	19.28	
	16QAM	1	0	23.70	23.68	23.71	18.60	18.58	18.61	22.00	21.98	22.01	19.60	19.58	19.61	
		1	7	23.68	23.66	23.70	18.58	18.56	18.60	21.98	21.96	22.00	19.58	19.56	19.60	
		1	14	23.70	23.85	23.88	18.60	18.75	18.78	22.00	22.15	22.18	19.60	19.75	19.78	
		8	0	22.42	22.29	22.32	17.32	17.19	17.22	20.72	20.59	20.62	18.32	18.19	18.22	
		8	4	22.46	22.33	22.36	17.36	17.23	17.26	20.76	20.63	20.66	18.36	18.23	18.26	
		8	7	22.46	22.36	22.37	17.36	17.26	17.27	20.76	20.66	20.67	18.36	18.26	18.27	
		15	0	22.38	22.32	22.37	17.28	17.22	17.27	20.68	20.62	20.67	18.28	18.22	18.27	
	64QAM	1	0	22.78	22.63	22.69	17.68	17.53	17.59	21.08	20.93	20.99	18.68	18.53	18.59	
		1	7	22.81	22.68	22.74	17.71	17.58	17.64	21.11	20.98	21.04	18.71	18.58	18.64	
		1	14	22.79	22.69	22.70	17.69	17.59	17.60	21.09	20.99	21.00	18.69	18.59	18.60	
		8	0	21.53	21.41	21.43	16.43	16.31	16.33	19.83	19.71	19.73	17.43	17.31	17.33	
		8	4	21.60	21.43	21.47	16.50	16.33	16.37	19.90	19.73	19.77	17.50	17.33	17.37	
		8	7	21.58	21.49	21.50	16.48	16.39	16.40	19.88	19.79	19.80	17.48	17.39	17.40	
		15	0	21.49	21.42	21.45	16.39	16.32	16.35	19.79	19.72	19.75	17.39	17.32	17.35	
	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	131997/1712.5	132322/1745	132647/1777.5
	5MHz	QPSK	1	0	24.21	24.28	24.33	19.11	19.18	19.23	22.51	22.58	22.63	20.11	20.18	20.23
1			13	24.17	24.20	24.22	19.07	19.10	19.12	22.47	22.50	22.52	20.07	20.10	20.12	
1			24	24.14	24.13	24.26	19.04	19.03	19.16	22.44	22.43	22.56	20.04	20.03	20.16	
12			0	23.26	23.29	23.34	18.16	18.19	18.24	21.56	21.59	21.64	19.16	19.19	19.24	
12			6	23.30	23.28	23.31	18.20	18.18	18.21	21.60	21.58	21.61	19.20	19.18	19.21	
12			13	23.24	23.32	23.35	18.14	18.22	18.25	21.54	21.62	21.65	19.14	19.22	19.25	
25			0	23.31	23.28	23.36	18.21	18.18	18.26	21.61	21.58	21.66	19.21	19.18	19.26	



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	132022/1715	132322/1745	132622/1775	
10MHz	16QAM	1	0	23.70	23.64	23.68	18.60	18.54	18.58	22.00	21.94	21.98	19.60	19.54	19.58	
		1	13	23.68	23.64	23.67	18.58	18.54	18.57	21.98	21.94	21.97	19.58	19.54	19.57	
		1	24	23.67	23.83	23.84	18.57	18.73	18.74	21.97	22.13	22.14	19.57	19.73	19.74	
		12	0	22.40	22.25	22.29	17.30	17.15	17.19	20.70	20.55	20.59	18.30	18.15	18.19	
		12	6	22.43	22.28	22.32	17.33	17.18	17.22	20.73	20.58	20.62	18.33	18.18	18.22	
		12	13	22.43	22.31	22.33	17.33	17.21	17.23	20.73	20.61	20.63	18.33	18.21	18.23	
		25	0	22.36	22.28	22.32	17.26	17.18	17.22	20.66	20.58	20.62	18.26	18.18	18.22	
	64QAM	1	0	22.75	22.63	22.66	17.65	17.53	17.56	21.05	20.93	20.96	18.65	18.53	18.56	
		1	13	22.78	22.70	22.71	17.68	17.60	17.61	21.08	21.00	21.01	18.68	18.60	18.61	
		1	24	22.80	22.67	22.66	17.70	17.57	17.56	21.10	20.97	20.96	18.70	18.57	18.56	
		12	0	21.51	21.37	21.44	16.41	16.27	16.34	19.81	19.67	19.74	17.41	17.27	17.34	
		12	6	21.57	21.38	21.43	16.47	16.28	16.33	19.87	19.68	19.73	17.47	17.28	17.33	
		12	13	21.55	21.44	21.46	16.45	16.34	16.36	19.85	19.74	19.76	17.45	17.34	17.36	
		25	0	21.47	21.38	21.40	16.37	16.28	16.30	19.77	19.68	19.70	17.37	17.28	17.30	
	10MHz	QPSK	1	0	24.23	24.29	24.36	19.13	19.19	19.26	22.53	22.59	22.66	20.13	20.19	20.26
			1	25	24.20	24.25	24.26	19.10	19.15	19.16	22.50	22.55	22.56	20.10	20.15	20.16
			1	49	24.16	24.17	24.29	19.06	19.07	19.19	22.46	22.47	22.59	20.06	20.07	20.19
			25	0	23.29	23.34	23.38	18.19	18.24	18.28	21.59	21.64	21.68	19.19	19.24	19.28
			25	13	23.33	23.33	23.35	18.23	18.23	18.25	21.63	21.63	21.65	19.23	19.23	19.25
			25	25	23.26	23.36	23.40	18.16	18.26	18.30	21.56	21.66	21.70	19.16	19.26	19.30
			50	0	23.35	23.30	23.40	18.25	18.20	18.30	21.65	21.60	21.70	19.25	19.20	19.30
16QAM		1	0	23.74	23.67	23.70	18.64	18.57	18.60	22.04	21.97	22.00	19.64	19.57	19.60	
		1	25	23.72	23.68	23.70	18.62	18.58	18.60	22.02	21.98	22.00	19.62	19.58	19.60	
		1	49	23.70	23.85	23.87	18.60	18.75	18.77	22.00	22.15	22.17	19.60	19.75	19.77	
		25	0	22.43	22.30	22.33	17.33	17.20	17.23	20.73	20.60	20.63	18.33	18.20	18.23	
		25	13	22.45	22.32	22.35	17.35	17.22	17.25	20.75	20.62	20.65	18.35	18.22	18.25	
		25	25	22.46	22.36	22.37	17.36	17.26	17.27	20.76	20.66	20.67	18.36	18.26	18.27	
		50	0	22.39	22.33	22.36	17.29	17.23	17.26	20.69	20.63	20.66	18.29	18.23	18.26	
64QAM		1	0	22.77	22.62	22.68	17.67	17.52	17.58	21.07	20.92	20.98	18.67	18.52	18.58	
		1	25	22.81	22.70	22.74	17.71	17.60	17.64	21.11	21.00	21.04	18.71	18.60	18.64	
		1	49	22.79	22.69	22.69	17.69	17.59	17.59	21.09	20.99	20.99	18.69	18.59	18.59	
		25	0	21.54	21.42	21.44	16.44	16.32	16.34	19.84	19.72	19.74	17.44	17.32	17.34	
		25	13	21.59	21.42	21.46	16.49	16.32	16.36	19.89	19.72	19.76	17.49	17.32	17.36	
		25	25	21.58	21.49	21.50	16.48	16.39	16.40	19.88	19.79	19.80	17.48	17.39	17.40	



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	132047/1717.5	132322/1745	132597/1772.5
				50	0	21.50	21.43	21.44	16.40	16.33	16.34	19.80	19.73	19.74	17.40
15MHz	QPSK	1	0	24.22	24.25	24.34	19.12	19.15	19.24	22.52	22.55	22.64	20.12	20.15	20.24
		1	38	24.18	24.24	24.23	19.08	19.14	19.13	22.48	22.54	22.53	20.08	20.14	20.13
		1	74	24.13	24.12	24.25	19.03	19.02	19.15	22.43	22.42	22.55	20.03	20.02	20.15
		36	0	23.27	23.30	23.35	18.17	18.20	18.25	21.57	21.60	21.65	19.17	19.20	19.25
		36	18	23.30	23.28	23.31	18.20	18.18	18.21	21.60	21.58	21.61	19.20	19.18	19.21
		36	39	23.23	23.33	23.36	18.13	18.23	18.26	21.53	21.63	21.66	19.13	19.23	19.26
		75	0	23.33	23.26	23.35	18.23	18.16	18.25	21.63	21.56	21.65	19.23	19.16	19.25
	16QAM	1	0	23.72	23.65	23.68	18.62	18.55	18.58	22.02	21.95	21.98	19.62	19.55	19.58
		1	38	23.70	23.65	23.68	18.60	18.55	18.58	22.00	21.95	21.98	19.60	19.55	19.58
		1	74	23.68	23.81	23.84	18.58	18.71	18.74	21.98	22.11	22.14	19.58	19.71	19.74
		36	0	22.40	22.28	22.30	17.30	17.18	17.20	20.70	20.58	20.60	18.30	18.18	18.20
		36	18	22.42	22.27	22.31	17.32	17.17	17.21	20.72	20.57	20.61	18.32	18.17	18.21
		36	39	22.44	22.32	22.34	17.34	17.22	17.24	20.74	20.62	20.64	18.34	18.22	18.24
		75	0	22.36	22.28	22.32	17.26	17.18	17.22	20.66	20.58	20.62	18.26	18.18	18.22
	64QAM	1	0	22.72	22.60	22.66	17.62	17.50	17.56	21.02	20.90	20.96	18.62	18.50	18.56
		1	38	22.79	22.67	22.72	17.69	17.57	17.62	21.09	20.97	21.02	18.69	18.57	18.62
		1	74	22.80	22.68	22.70	17.70	17.58	17.60	21.10	20.98	21.00	18.70	18.58	18.60
		36	0	21.53	21.44	21.45	16.43	16.34	16.35	19.83	19.74	19.75	17.43	17.34	17.35
		36	18	21.57	21.39	21.45	16.47	16.29	16.35	19.87	19.69	19.75	17.47	17.29	17.35
		36	39	21.56	21.45	21.47	16.46	16.35	16.37	19.86	19.75	19.77	17.46	17.35	17.37
		75	0	21.47	21.38	21.40	16.37	16.28	16.30	19.77	19.68	19.70	17.37	17.28	17.30
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	132072/1720	132322/1745	132572/1770
				20MHz											
20MHz	QPSK	1	0	24.19	24.21	24.31	19.09	19.11	19.21	22.49	22.51	22.61	20.09	20.11	20.21
		1	50	24.17	24.20	24.21	19.07	19.10	19.11	22.47	22.50	22.51	20.07	20.10	20.11
		1	99	24.11	24.11	24.22	19.01	19.01	19.12	22.41	22.41	22.52	20.01	20.01	20.12
		50	0	23.24	23.25	23.31	18.14	18.15	18.21	21.54	21.55	21.61	19.14	19.15	19.21
		50	25	23.28	23.24	23.28	18.18	18.14	18.18	21.58	21.54	21.58	19.18	19.14	19.18
		50	50	23.20	23.28	23.32	18.10	18.18	18.22	21.50	21.58	21.62	19.10	19.18	19.22
		100	0	23.30	23.21	23.31	18.20	18.11	18.21	21.60	21.51	21.61	19.20	19.11	19.21
	16QAM	1	0	23.69	23.61	23.63	18.59	18.51	18.53	21.99	21.91	21.93	19.59	19.51	19.53
		1	50	23.67	23.63	23.64	18.57	18.53	18.54	21.97	21.93	21.94	19.57	19.53	19.54



		1	99	23.65	23.78	23.82	18.55	18.68	18.72	21.95	22.08	22.12	19.55	19.68	19.72
		50	0	22.37	22.24	22.27	17.27	17.14	17.17	20.67	20.54	20.57	18.27	18.14	18.17
		50	25	22.39	22.25	22.28	17.29	17.15	17.18	20.69	20.55	20.58	18.29	18.15	18.18
		50	50	22.41	22.27	22.30	17.31	17.17	17.20	20.71	20.57	20.60	18.31	18.17	18.20
		100	0	22.34	22.24	22.29	17.24	17.14	17.19	20.64	20.54	20.59	18.24	18.14	18.19
	64QAM	1	0	22.70	22.56	22.61	17.60	17.46	17.51	21.00	20.86	20.91	18.60	18.46	18.51
		1	50	22.75	22.65	22.68	17.65	17.55	17.58	21.05	20.95	20.98	18.65	18.55	18.58
		1	99	22.74	22.62	22.64	17.64	17.52	17.54	21.04	20.92	20.94	18.64	18.52	18.54
		50	0	21.48	21.36	21.38	16.38	16.26	16.28	19.78	19.66	19.68	17.38	17.26	17.28
		50	25	21.53	21.35	21.39	16.43	16.25	16.29	19.83	19.65	19.69	17.43	17.25	17.29
		50	50	21.53	21.40	21.43	16.43	16.30	16.33	19.83	19.70	19.73	17.43	17.30	17.33
		100	0	21.45	21.34	21.37	16.35	16.24	16.27	19.75	19.64	19.67	17.35	17.24	17.27

CA_7C	PCC	SCC	PCC RB		SCC1 RB		Max mum output power (dBm)			Antenna 1 EIRP (dBm)			Antenna 4 EIRP (dBm)		
	Frequency (MHz)	Frequency (MHz)	Size	Offset	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10MHz+ 20MHz	2505.5	2519.9	1	49	1	0	25.12	24.16	23.21	24.52	23.56	22.61	23.12	22.16	21.21
			50	0	100	0	20.66	19.63	18.91	20.06	19.03	18.31	18.66	17.63	16.91
	2525.6	2540	1	49	1	0	25.20	24.33	23.42	24.60	23.73	22.82	23.20	22.33	21.42
			50	0	100	0	20.81	19.75	18.65	20.21	19.15	18.05	18.81	17.75	16.65
2545.6	2560	1	49	1	0	25.31	24.25	23.14	24.71	23.65	22.54	23.31	22.25	21.14	
		50	0	100	0	20.77	19.83	18.93	20.17	19.23	18.33	18.77	17.83	16.93	
20MHz+ 10MHz	2510	2524.4	1	99	1	0	24.77	24.09	23.36	24.17	23.49	22.76	22.77	22.09	21.36
			100	0	50	0	21.80	20.42	19.55	21.20	19.82	18.95	19.80	18.42	17.55
	2530.1	2544.5	1	99	1	0	25.47	24.81	24.31	24.87	24.21	23.71	23.47	22.81	22.31
			100	0	50	0	21.47	20.39	19.51	20.87	19.79	18.91	19.47	18.39	17.51
2550.1	2564.5	1	99	1	0	24.27	23.40	22.61	23.67	22.80	22.01	22.27	21.40	20.61	
		100	0	50	0	23.38	22.40	21.36	22.78	21.80	20.76	21.38	20.40	19.36	
15MHz+ 15MHz	2507.5	2522.5	1	74	1	0	24.42	23.88	23.24	23.82	23.28	22.64	22.42	21.88	21.24
			75	0	75	0	20.33	19.41	18.53	19.73	18.81	17.93	18.33	17.41	16.53
	2527.5	2542.5	1	74	1	0	24.80	23.96	23.17	24.20	23.36	22.57	22.80	21.96	21.17
			75	0	75	0	20.43	19.41	18.47	19.83	18.81	17.87	18.43	17.41	16.47
2547.5	2562.5	1	74	1	0	24.42	23.71	22.98	23.82	23.11	22.38	22.42	21.71	20.98	
		75	0	75	0	20.36	19.40	18.51	19.76	18.80	17.91	18.36	17.40	16.51	
15MHz+ 20MHz	2507.8	2524.9	1	74	1	0	24.84	23.93	23.06	24.24	23.33	22.46	22.84	21.93	21.06
			75	0	100	0	20.33	19.44	18.47	19.73	18.84	17.87	18.33	17.44	16.47
	2525.3	2542.4	1	74	1	0	24.77	23.63	22.58	24.17	23.03	21.98	22.77	21.63	20.58
			75	0	100	0	20.42	19.48	18.44	19.82	18.88	17.84	18.42	17.48	16.44
2542.9	2560	1	74	1	0	24.70	23.57	22.64	24.10	22.97	22.04	22.70	21.57	20.64	



			75	0	100	0	20.41	19.39	18.58	19.81	18.79	17.98	18.41	17.39	16.58
20MHz+ 15MHz	2510	2527.1	1	99	1	0	24.78	24.05	23.31	24.18	23.45	22.71	22.78	22.05	21.31
			100	0	75	0	20.75	20.04	19.39	20.15	19.44	18.79	18.75	18.04	17.39
	2527.6	2544.7	1	99	1	0	25.23	24.25	23.30	24.63	23.65	22.70	23.23	22.25	21.30
			100	0	75	0	21.19	19.78	18.01	20.59	19.18	17.41	19.19	17.78	16.01
	2545.1	2562.2	1	99	1	0	24.96	24.03	23.11	24.36	23.43	22.51	22.96	22.03	21.11
			100	0	75	0	20.73	19.80	18.94	20.13	19.20	18.34	18.73	17.80	16.94
20MHz+ 20MHz	2510	2529.8	1	99	1	0	24.62	23.99	23.32	24.02	23.39	22.72	22.62	21.99	21.32
			1	0	1	99	13.60	13.98	13.88	13.00	13.38	13.28	11.60	11.98	11.88
			100	0	100	0	20.20	19.52	18.74	19.60	18.92	18.14	18.20	17.52	16.74
	2525.1	2544.9	1	99	1	0	25.11	24.12	23.13	24.51	23.52	22.53	23.11	22.12	21.13
			1	0	1	99	13.70	13.88	13.79	13.10	13.28	13.19	11.70	11.88	11.79
			100	0	100	0	20.54	19.62	18.77	19.94	19.02	18.17	18.54	17.62	16.77
	2540.2	2560	1	99	1	0	25.05	24.08	23.06	24.45	23.48	22.46	23.05	22.08	21.06
			1	0	1	99	13.74	13.90	13.85	13.14	13.30	13.25	11.74	11.90	11.85
			100	0	100	0	20.23	19.60	18.99	19.63	19.00	18.39	18.23	17.60	16.99

NR n7												
Bandwidth(MHz)	Modulation	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 1 EIRP (dBm)			Antenna 4 EIRP (dBm)		
				500500.00	507000.00	513500.00	500500.00	507000.00	513500.00	500500.00	507000.00	513500.00
				2502.50	2535.00	2567.50	2502.50	2535.00	2567.50	2502.50	2535.00	2567.50
5	BPSK	1	0	21.66	21.66	21.50	21.06	21.06	20.90	19.66	19.66	19.50
		1	1	21.67	21.54	21.55	21.07	20.94	20.95	19.67	19.54	19.55
		1	24	21.81	21.55	21.61	21.21	20.95	21.01	19.81	19.55	19.61
		1	25	21.73	21.58	21.37	21.13	20.98	20.77	19.73	19.58	19.37
		12	6	21.86	21.81	21.79	21.26	21.21	21.19	19.86	19.81	19.79
		25	0	21.68	21.80	21.47	21.08	21.20	20.87	19.68	19.80	19.47
	QPSK	1	0	20.80	21.70	21.61	20.20	21.10	21.01	18.80	19.70	19.61
		1	1	21.79	21.69	21.62	21.19	21.09	21.02	19.79	19.69	19.62
		1	24	21.78	21.70	21.72	21.18	21.10	21.12	19.78	19.70	19.72
		1	25	21.71	21.77	20.60	21.11	21.17	20.00	19.71	19.77	18.60
		12	6	21.91	21.78	21.77	21.31	21.18	21.17	19.91	19.78	19.77
		25	0	21.66	21.80	21.55	21.06	21.20	20.95	19.66	19.80	19.55
	16QAM	1	0	20.67	20.76	20.49	20.07	20.16	19.89	18.67	18.76	18.49
		1	1	21.85	21.33	21.44	21.25	20.73	20.84	19.85	19.33	19.44
		1	24	22.04	21.43	20.65	21.44	20.83	20.05	20.04	19.43	18.65
		1	25	21.01	20.37	19.54	20.41	19.77	18.94	19.01	18.37	17.54
		12	6	20.49	21.91	21.70	19.89	21.31	21.10	18.49	19.91	19.70
		25	0	20.65	20.77	20.60	20.05	20.17	20.00	18.65	18.77	18.60
	64QAM	1	0	19.10	19.98	20.41	18.50	19.38	19.81	17.10	17.98	18.41
		1	1	20.53	19.92	20.43	19.93	19.32	19.83	18.53	17.92	18.43
		1	24	20.50	20.01	19.65	19.90	19.41	19.05	18.50	18.01	17.65



Bandwidth(MHz)	Modulation	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 1 EIRP (dBm)			Antenna 4 EIRP (dBm)			
				501000.00	507000.00	513000.00	501000.00	507000.00	513000.00	501000.00	507000.00	513000.00	
10	256QAM	1	25	20.46	20.08	19.61	19.86	19.48	19.01	18.46	18.08	17.61	
		12	6	20.36	20.29	20.18	19.76	19.69	19.58	18.36	18.29	18.18	
		25	0	20.15	20.34	20.11	19.55	19.74	19.51	18.15	18.34	18.11	
		1	0	17.77	18.44	17.92	17.17	17.84	17.32	15.77	16.44	15.92	
		1	1	17.88	18.48	17.96	17.28	17.88	17.36	15.88	16.48	15.96	
		1	24	18.41	18.59	17.84	17.81	17.99	17.24	16.41	16.59	15.84	
		1	25	18.37	18.19	17.80	17.77	17.59	17.20	16.37	16.19	15.80	
		12	6	18.40	18.32	18.24	17.80	17.72	17.64	16.40	16.32	16.24	
	25	0	18.46	18.31	18.35	17.86	17.71	17.75	16.46	16.31	16.35		
	10	BPSK	1	0	21.60	21.59	21.45	21.00	20.99	20.85	19.60	19.59	19.45
			1	1	21.62	21.51	21.51	21.02	20.91	20.91	19.62	19.51	19.51
			1	50	21.75	21.51	21.56	21.15	20.91	20.96	19.75	19.51	19.56
			25	12	21.68	21.55	21.33	21.08	20.95	20.73	19.68	19.55	19.33
			50	0	21.81	21.78	21.75	21.21	21.18	21.15	19.81	19.78	19.75
		QPSK	1	0	21.62	21.76	21.44	21.02	21.16	20.84	19.62	19.76	19.44
			1	1	20.80	21.64	21.57	20.20	21.04	20.97	18.80	19.64	19.57
1			50	21.73	21.64	21.56	21.13	21.04	20.96	19.73	19.64	19.56	
25			12	21.73	21.66	21.67	21.13	21.06	21.07	19.73	19.66	19.67	
50			0	21.66	21.71	20.55	21.06	21.11	19.95	19.66	19.71	18.55	
16QAM		1	0	21.86	21.75	21.73	21.26	21.15	21.13	19.86	19.75	19.73	
		1	1	21.60	21.76	21.50	21.00	21.16	20.90	19.60	19.76	19.50	
		1	50	20.62	20.73	20.45	20.02	20.13	19.85	18.62	18.73	18.45	
		25	12	21.80	21.30	21.40	21.20	20.70	20.80	19.80	19.30	19.40	
		50	0	21.98	21.38	20.59	21.38	20.78	19.99	19.98	19.38	18.59	
64QAM		1	0	20.96	20.33	19.49	20.36	19.73	18.89	18.96	18.33	17.49	
		1	1	20.44	21.85	21.65	19.84	21.25	21.05	18.44	19.85	19.65	
		1	50	20.60	20.74	20.56	20.00	20.14	19.96	18.60	18.74	18.56	
		25	12	19.04	19.91	20.36	18.44	19.31	19.76	17.04	17.91	18.36	
		50	0	20.48	19.89	20.39	19.88	19.29	19.79	18.48	17.89	18.39	
256QAM		1	0	20.44	19.97	19.60	19.84	19.37	19.00	18.44	17.97	17.60	
		1	1	20.41	20.05	19.57	19.81	19.45	18.97	18.41	18.05	17.57	
		1	50	20.31	20.26	20.14	19.71	19.66	19.54	18.31	18.26	18.14	
		25	12	20.09	20.30	20.08	19.49	19.70	19.48	18.09	18.30	18.08	
	50	0	17.77	18.38	17.88	17.17	17.78	17.28	15.77	16.38	15.88		
15	BPSK	1	0	21.65	21.61	21.49	21.05	21.01	20.89	19.65	19.61	19.49	
		1	1	21.66	21.56	21.54	21.06	20.96	20.94	19.66	19.56	19.54	
1		77	21.78	21.52	21.58	21.18	20.92	20.98	19.78	19.52	19.58		



	QPSK	1	78	21.72	21.57	21.36	21.12	20.97	20.76	19.72	19.57	19.36
		36	18	21.84	21.79	21.77	21.24	21.19	21.17	19.84	19.79	19.77
		75	0	21.65	21.79	21.46	21.05	21.19	20.86	19.65	19.79	19.46
		1	0	20.84	21.66	21.58	20.24	21.06	20.98	18.84	19.66	19.58
		1	1	21.74	21.68	21.60	21.14	21.08	21.00	19.74	19.68	19.60
		1	77	21.77	21.69	21.71	21.17	21.09	21.11	19.77	19.69	19.71
		1	78	21.69	21.73	20.58	21.09	21.13	19.98	19.69	19.73	18.58
		36	18	21.89	21.79	21.76	21.29	21.19	21.16	19.89	19.79	19.76
		75	0	21.63	21.77	21.52	21.03	21.17	20.92	19.63	19.77	19.52
	16QAM	1	0	20.66	20.75	20.48	20.06	20.15	19.88	18.66	18.75	18.48
		1	1	21.83	21.31	21.42	21.23	20.71	20.82	19.83	19.31	19.42
		1	77	21.99	21.42	20.63	21.39	20.82	20.03	19.99	19.42	18.63
		1	78	21.00	20.36	19.53	20.40	19.76	18.93	19.00	18.36	17.53
		36	18	20.47	21.87	21.68	19.87	21.27	21.08	18.47	19.87	19.68
		75	0	20.63	20.78	20.59	20.03	20.18	19.99	18.63	18.78	18.59
	64QAM	1	0	19.09	19.93	20.40	18.49	19.33	19.80	17.09	17.93	18.40
		1	1	20.52	19.94	20.42	19.92	19.34	19.82	18.52	17.94	18.42
		1	77	20.47	19.98	19.62	19.87	19.38	19.02	18.47	17.98	17.62
		1	78	20.45	20.07	19.60	19.85	19.47	19.00	18.45	18.07	17.60
		36	18	20.34	20.27	20.16	19.74	19.67	19.56	18.34	18.27	18.16
		75	0	20.12	20.33	20.10	19.52	19.73	19.50	18.12	18.33	18.10
	256QAM	1	0	17.81	18.40	17.89	17.21	17.80	17.29	15.81	16.40	15.89
		1	1	17.83	18.47	17.94	17.23	17.87	17.34	15.83	16.47	15.94
		1	77	18.40	18.58	17.83	17.80	17.98	17.23	16.40	16.58	15.83
		1	78	18.35	18.15	17.78	17.75	17.55	17.18	16.35	16.15	15.78
		36	18	18.38	18.33	18.23	17.78	17.73	17.63	16.38	16.33	16.23
		75	0	18.43	18.28	18.32	17.83	17.68	17.72	16.43	16.28	16.32
	Bandwidth(MHz)	Modulation	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 1 EIRP (dBm)			Antenna 4 EIRP (dBm)	
502000.00					507000.00	512000.00	502000.00	507000.00	512000.00	502000.00	507000.00	512000.00
2510.00					2535.00	2560.00	2510.00	2535.00	2560.00	2510.00	2535.00	2560.00
20	BPSK	1	0	21.88	21.83	21.72	21.28	21.23	21.12	19.88	19.83	19.72
		1	1	21.91	21.78	21.78	21.31	21.18	21.18	19.91	19.78	19.78
		1	104	22.02	21.77	21.81	21.42	21.17	21.21	20.02	19.77	19.81
		1	105	21.95	21.78	21.58	21.35	21.18	20.98	19.95	19.78	19.58
		50	25	22.08	22.01	22.00	21.48	21.41	21.40	20.08	20.01	20.00
		100	0	21.88	22.00	21.68	21.28	21.40	21.08	19.88	20.00	19.68
	QPSK	1	0	21.07	21.87	21.80	20.47	21.27	21.20	19.07	19.87	19.80
		1	1	21.98	21.90	21.81	21.38	21.30	21.21	19.98	19.90	19.81
		1	104	21.99	21.93	21.93	21.39	21.33	21.33	19.99	19.93	19.93
		1	105	21.93	21.96	20.82	21.33	21.36	20.22	19.93	19.96	18.82
		50	25	22.12	22.01	21.99	21.52	21.41	21.39	20.12	20.01	19.99
		100	0	21.86	22.01	21.75	21.26	21.41	21.15	19.86	20.01	19.75
	16QAM	1	0	20.89	20.96	20.70	20.29	20.36	20.10	18.89	18.96	18.70



		1	1	22.07	21.53	21.65	21.47	20.93	21.05	20.07	19.53	19.65
		1	104	22.23	21.64	20.84	21.63	21.04	20.24	20.23	19.64	18.84
		1	105	21.22	20.60	19.75	20.62	20.00	19.15	19.22	18.60	17.75
		50	25	20.71	22.10	21.92	20.11	21.50	21.32	18.71	20.10	19.92
		100	0	20.86	21.00	20.82	20.26	20.40	20.22	18.86	19.00	18.82
	64QAM	1	0	19.32	20.15	20.63	18.72	19.55	20.03	17.32	18.15	18.63
		1	1	20.77	20.16	20.66	20.17	19.56	20.06	18.77	18.16	18.66
		1	104	20.71	20.23	19.85	20.11	19.63	19.25	18.71	18.23	17.85
		1	105	20.68	20.28	19.82	20.08	19.68	19.22	18.68	18.28	17.82
		50	25	20.58	20.49	20.39	19.98	19.89	19.79	18.58	18.49	18.39
		100	0	20.35	20.54	20.32	19.75	19.94	19.72	18.35	18.54	18.32
	256QAM	1	0	18.04	18.61	18.11	17.44	18.01	17.51	16.04	16.61	16.11
		1	1	18.07	18.69	18.15	17.47	18.09	17.55	16.07	16.69	16.15
		1	104	18.62	18.82	18.05	18.02	18.22	17.45	16.62	16.82	16.05
		1	105	18.59	18.38	18.02	17.99	17.78	17.42	16.59	16.38	16.02
		50	25	18.61	18.55	18.46	18.01	17.95	17.86	16.61	16.55	16.46
		100	0	18.66	18.52	18.55	18.06	17.92	17.95	16.66	16.52	16.55

NR n41																			
Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 6 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)		
					501204	518598	535998	501204	518598	535998	501204	518598	535998	501204	518598	535998	501204	518598	535998
					2506.02	2592.99	2679.99	2506.02	2592.99	2679.99	2506.02	2592.99	2679.99	2506.02	2592.99	2679.99	2506.02	2592.99	2679.99
20	PI/2 BPSK	30	1	0	22.42	22.35	22.41	20.92	20.85	20.91	20.22	20.15	20.21	21.82	21.75	21.81	20.42	20.35	20.41
			1	1	23.11	22.95	22.95	21.61	21.45	21.45	20.91	20.75	20.75	22.51	22.35	22.35	21.11	20.95	20.95
			25	12	22.95	22.78	23.09	21.45	21.28	21.59	20.75	20.58	20.89	22.35	22.18	22.49	20.95	20.78	21.09
			50	0	23.23	23.03	23.22	21.73	21.53	21.72	21.03	20.83	21.02	22.63	22.43	22.62	21.23	21.03	21.22
	QPSK		1	0	22.36	22.27	22.08	20.86	20.77	20.58	20.16	20.07	19.88	21.76	21.67	21.48	20.36	20.27	20.08
			1	1	22.84	22.89	22.62	21.34	21.39	21.12	20.64	20.69	20.42	22.24	22.29	22.02	20.84	20.89	20.62
			25	12	22.88	22.95	23.04	21.38	21.45	21.54	20.68	20.75	20.84	22.28	22.35	22.44	20.88	20.95	21.04
			50	0	22.97	22.97	22.91	21.47	21.47	21.41	20.77	20.77	20.71	22.37	22.37	22.31	20.97	20.97	20.91
	16QAM		1	0	22.56	22.50	22.22	21.06	21.00	20.72	20.36	20.30	20.02	21.96	21.90	21.62	20.56	20.50	20.22
			1	1	23.02	23.18	22.96	21.52	21.68	21.46	20.82	20.98	20.76	22.42	22.58	22.36	21.02	21.18	20.96
			25	12	22.97	22.96	23.09	21.47	21.46	21.59	20.77	20.76	20.89	22.37	22.36	22.49	20.97	20.96	21.09
			50	0	23.16	23.06	23.08	21.66	21.56	21.58	20.96	20.86	20.88	22.56	22.46	22.48	21.16	21.06	21.08
	64QAM		1	0	22.51	22.50	22.47	21.01	21.00	20.97	20.31	20.30	20.27	21.91	21.90	21.87	20.51	20.50	20.47
			1	1	21.78	23.07	22.84	20.28	21.57	21.34	19.58	20.87	20.64	21.18	22.47	22.24	19.78	21.07	20.84
			25	12	22.74	23.01	22.66	21.24	21.51	21.16	20.54	20.81	20.46	22.14	22.41	22.06	20.74	21.01	20.66
			50	0	23.12	22.79	22.92	21.62	21.29	21.42	20.92	20.59	20.72	22.52	22.19	22.32	21.12	20.79	20.92
256QAM	1	0	21.39	21.28	21.74	19.89	19.78	20.24	19.19	19.08	19.54	20.79	20.68	21.14	19.39	19.28	19.74		
	1	1	21.51	21.08	21.30	20.01	19.58	19.80	19.31	18.88	19.10	20.91	20.48	20.70	19.51	19.08	19.30		
	25	12	20.36	21.90	20.94	18.86	20.40	19.44	18.16	19.70	18.74	19.76	21.30	20.34	18.36	19.90	18.94		
	50	0	20.99	22.03	21.66	19.49	20.53	20.16	18.79	19.83	19.46	20.39	21.43	21.06	18.99	20.03	19.66		



Bandwidth h(MHz)	Modulation	SCS(kHz)	RB Allocation	RB Offset	Maximum Output			Antenna 3			Antenna 6			Antenna 1			Antenna 4					
					Power(dBm)			EIRP(dBm)			EIRP(dBm)			EIRP(dBm)			EIRP(dBm)					
					503202	518598	534000	503202	518598	534000	503202	518598	534000	503202	518598	534000	503202	518598	534000	503202	518598	534000
					2516.01	2592.99	2670	2516.01	2592.99	2670	2516.01	2592.99	2670	2516.01	2592.99	2670	2516.01	2592.99	2670	2516.01	2592.99	2670
40	PI/2 BPSK	30	1	0	22.41	22.35	22.39	20.91	20.85	20.89	20.21	20.15	20.19	21.81	21.75	21.79	20.41	20.35	20.39			
			1	1	23.11	22.93	22.94	21.61	21.43	21.44	20.91	20.73	20.74	22.51	22.33	22.34	21.11	20.93	20.94			
			54	27	22.94	22.75	23.07	21.44	21.25	21.57	20.74	20.55	20.87	22.34	22.15	22.47	20.94	20.75	21.07			
			100	0	22.94	23.00	23.35	21.44	21.50	21.85	20.74	20.80	21.15	22.34	22.40	22.75	20.94	21.00	21.35			
	QPSK		1	0	22.36	22.25	22.05	20.86	20.75	20.55	20.16	20.05	19.85	21.76	21.65	21.45	20.36	20.25	20.05			
			1	1	22.84	22.89	22.60	21.34	21.39	21.10	20.64	20.69	20.40	22.24	22.29	22.00	20.84	20.89	20.60			
			54	27	22.88	22.96	23.04	21.38	21.46	21.54	20.68	20.76	20.84	22.28	22.36	22.44	20.88	20.96	21.04			
			100	0	22.96	22.95	22.90	21.46	21.45	21.40	20.76	20.75	20.70	22.36	22.35	22.30	20.96	20.95	20.90			
	16QAM		1	0	22.55	22.50	22.21	21.05	21.00	20.71	20.35	20.30	20.01	21.95	21.90	21.61	20.55	20.50	20.21			
			1	1	23.01	23.12	22.94	21.51	21.62	21.44	20.81	20.92	20.74	22.41	22.52	22.34	21.01	21.12	20.94			
			54	27	22.97	22.94	23.08	21.47	21.44	21.58	20.77	20.74	20.88	22.37	22.34	22.48	20.97	20.94	21.08			
			100	0	23.15	23.03	23.06	21.65	21.53	21.56	20.95	20.83	20.86	22.55	22.43	22.46	21.15	21.03	21.06			
	64QAM		1	0	22.50	22.47	22.45	21.00	20.97	20.95	20.30	20.27	20.25	21.90	21.87	21.85	20.50	20.47	20.45			
			1	1	21.78	23.05	22.81	20.28	21.55	21.31	19.58	20.85	20.61	21.18	22.45	22.21	19.78	21.05	20.81			
			54	27	22.73	22.99	22.65	21.23	21.49	21.15	20.53	20.79	20.45	22.13	22.39	22.05	20.73	20.99	20.65			
			100	0	23.11	22.79	22.91	21.61	21.29	21.41	20.91	20.59	20.71	22.51	22.19	22.31	21.11	20.79	20.91			
	256QAM		1	0	21.38	21.28	21.72	19.88	19.78	20.22	19.18	19.08	19.52	20.78	20.68	21.12	19.38	19.28	19.72			
			1	1	21.51	21.06	21.29	20.01	19.56	19.79	19.31	18.86	19.09	20.91	20.46	20.69	19.51	19.06	19.29			
			54	27	20.35	21.87	20.92	18.85	20.37	19.42	18.15	19.67	18.72	19.75	21.27	20.32	18.35	19.87	18.92			
			100	0	20.98	22.00	21.64	19.48	20.50	20.14	18.78	19.80	19.44	20.38	21.40	21.04	18.98	20.00	19.64			
Bandwidth (MHz)	Modulation	SCS(kHz)	RB Allocation	RB Offset	Maximum Output			Antenna 3			Antenna 6			Antenna 1			Antenna 4					
					Power(dBm)			EIRP(dBm)			EIRP(dBm)			EIRP(dBm)			EIRP(dBm)					
					505200	518598	531996	505200	518598	531996	505200	518598	531996	505200	518598	531996	505200	518598	531996	505200	518598	531996
					2526	2592.99	2659.98	2526	2592.99	2659.98	2526	2592.99	2659.98	2526	2592.99	2659.98	2526	2592.99	2659.98	2526	2592.99	2659.98
60	PI/2 BPSK	30	1	0	22.36	22.29	22.35	20.86	20.79	20.85	20.16	20.09	20.15	21.76	21.69	21.75	20.36	20.29	20.35			
			1	1	23.07	22.91	22.91	21.57	21.41	21.41	20.87	20.71	20.71	22.47	22.31	22.31	21.07	20.91	20.91			
			81	40	22.89	22.72	23.03	21.39	21.22	21.53	20.69	20.52	20.83	22.29	22.12	22.43	20.89	20.72	21.03			
			162	0	22.90	22.98	23.06	21.40	21.48	21.56	20.70	20.78	20.86	22.30	22.38	22.46	20.90	20.98	21.06			
	QPSK		1	0	22.32	22.23	22.02	20.82	20.73	20.52	20.12	20.03	19.82	21.72	21.63	21.42	20.32	20.23	20.02			
			1	1	22.79	22.86	22.58	21.29	21.36	21.08	20.59	20.66	20.38	22.19	22.26	21.98	20.79	20.86	20.58			
			81	40	22.89	22.91	23.01	21.39	21.41	21.51	20.69	20.71	20.81	22.29	22.31	22.41	20.89	20.91	21.01			
			162	0	22.91	22.91	22.85	21.41	21.41	21.35	20.71	20.71	20.65	22.31	22.31	22.25	20.91	20.91	20.85			
	16QAM		1	0	22.51	22.47	22.17	21.01	20.97	20.67	20.31	20.27	19.97	21.91	21.87	21.57	20.51	20.47	20.17			
			1	1	22.97	23.28	22.90	21.47	21.78	21.40	20.77	21.08	20.70	22.37	22.68	22.30	20.97	21.28	20.90			
			81	40	22.93	22.92	23.05	21.43	21.42	21.55	20.73	20.72	20.85	22.33	22.32	22.45	20.93	20.92	21.05			
			162	0	23.10	23.00	23.02	21.60	21.50	21.52	20.90	20.80	20.82	22.50	22.40	22.42	21.10	21.00	21.02			
	64QAM		1	0	22.46	22.45	22.42	20.96	20.95	20.92	20.26	20.25	20.22	21.86	21.85	21.82	20.46	20.45	20.42			
			1	1	21.74	23.03	22.78	20.24	21.53	21.28	19.54	20.83	20.58	21.14	22.43	22.18	19.74	21.03	20.78			
			81	40	22.68	22.95	22.60	21.18	21.45	21.10	20.48	20.75	20.40	22.08	22.35	22.00	20.68	20.95	20.60			



Bandwidth (MHz)	Modulation	SCS(KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 6 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)			
					507204	518598	529998	507204	518598	529998	507204	518598	529998	507204	518598	529998	507204	518598	529998	
					2536.02	2592.99	2649.99	2536.02	2592.99	2649.99	2536.02	2592.99	2649.99	2536.02	2592.99	2649.99	2536.02	2592.99	2649.99	
80	256QAM	30	162	0	23.07	22.76	22.87	21.57	21.26	21.37	20.87	20.56	20.67	22.47	22.16	22.27	21.07	20.76	20.87	
			1	0	21.34	21.23	21.68	19.84	19.73	20.18	19.14	19.03	19.48	20.74	20.63	21.08	19.34	19.23	19.68	
			1	1	21.47	21.04	21.26	19.97	19.54	19.76	19.27	18.84	19.06	20.87	20.44	20.66	19.47	19.04	19.26	
			81	40	20.30	21.84	20.88	18.80	20.34	19.38	18.10	19.64	18.68	19.70	21.24	20.28	18.30	19.84	18.88	
	162		0	20.94	21.98	21.61	19.44	20.48	20.11	18.74	19.78	19.41	20.34	21.38	21.01	18.94	19.98	19.61		
	PI/2 BPSK		1	0	22.27	22.17	22.25	20.77	20.67	20.75	20.07	19.97	20.05	21.67	21.57	21.65	20.27	20.17	20.25	
			1	1	22.97	22.82	22.80	21.47	21.32	21.30	20.77	20.62	20.60	22.37	22.22	22.20	20.97	20.82	20.80	
			108	64	22.78	22.59	22.91	21.28	21.09	21.41	20.58	20.39	20.71	22.18	21.99	22.31	20.78	20.59	20.91	
			216	0	22.80	22.86	23.21	21.30	21.36	21.71	20.60	20.66	21.01	22.20	22.26	22.61	20.80	20.86	21.21	
			QPSK	1	0	22.21	22.10	21.90	20.71	20.60	20.40	20.01	19.90	19.70	21.61	21.50	21.30	20.21	20.10	19.90
				1	1	22.68	22.75	22.46	21.18	21.25	20.96	20.48	20.55	20.26	22.08	22.15	21.86	20.68	20.75	20.46
				108	64	22.79	22.79	22.88	21.29	21.29	21.38	20.59	20.59	20.68	22.19	22.19	22.28	20.79	20.79	20.88
				216	0	22.78	22.81	22.75	21.28	21.31	21.25	20.58	20.61	20.55	22.18	22.21	22.15	20.78	20.81	20.75
			16QAM	1	0	22.41	22.36	22.07	20.91	20.86	20.57	20.21	20.16	19.87	21.81	21.76	21.47	20.41	20.36	20.07
				1	1	22.86	23.32	22.79	21.36	21.82	21.29	20.66	21.12	20.59	22.26	22.72	22.19	20.86	21.32	20.79
				108	64	22.82	22.82	22.94	21.32	21.32	21.44	20.62	20.62	20.74	22.22	22.22	22.34	20.82	20.82	20.94
				216	0	22.99	22.87	22.90	21.49	21.37	21.40	20.79	20.67	20.70	22.39	22.27	22.30	20.99	20.87	20.90
			64QAM	1	0	22.36	22.33	22.31	20.86	20.83	20.81	20.16	20.13	20.11	21.76	21.73	21.71	20.36	20.33	20.31
				1	1	21.63	22.90	22.66	20.13	21.40	21.16	19.43	20.70	20.46	21.03	22.30	22.06	19.63	20.90	20.66
				108	64	22.55	22.85	22.50	21.05	21.35	21.00	20.35	20.65	20.30	21.95	22.25	21.90	20.55	20.85	20.50
216		0		22.97	22.65	22.77	21.47	21.15	21.27	20.77	20.45	20.57	22.37	22.05	22.17	20.97	20.65	20.77		
256QAM	1	0	21.23	21.11	21.57	19.73	19.61	20.07	19.03	18.91	19.37	20.63	20.51	20.97	19.23	19.11	19.57			
	1	1	21.36	20.94	21.15	19.86	19.44	19.65	19.16	18.74	18.95	20.76	20.34	20.55	19.36	18.94	19.15			
	108	64	20.19	21.71	20.76	18.69	20.21	19.26	17.99	19.51	18.56	19.59	21.11	20.16	18.19	19.71	18.76			
	216	0	20.84	21.86	21.50	19.34	20.36	20.00	18.64	19.66	19.30	20.24	21.26	20.90	18.84	19.86	19.50			
Bandwidth (MHz)	Modulation	SCS(KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 6 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)			
					509202	518598	528000	509202	518598	528000	509202	518598	528000	509202	518598	528000	509202	518598	528000	
					2546.01	2592.99	2640	2546.01	2592.99	2640	2546.01	2592.99	2640	2546.01	2592.99	2640	2546.01	2592.99	2640	
100	PI/2 BPSK	30	1	0	22.58	22.47	22.56	21.08	20.97	21.06	20.38	20.27	20.36	21.98	21.87	21.96	20.58	20.47	20.56	
			1	1	23.30	23.12	23.12	21.80	21.62	21.62	21.10	20.92	20.92	22.70	22.52	22.52	21.30	21.12	21.12	
			135	67	23.10	22.92	23.22	21.60	21.42	21.72	20.90	20.72	21.02	22.50	22.32	22.62	21.10	20.92	21.22	
			270	0	23.11	23.15	23.51	21.61	21.65	22.01	20.91	20.95	21.31	22.51	22.55	22.91	21.11	21.15	21.51	
	QPSK		1	0	22.53	22.40	22.21	21.03	20.90	20.71	20.33	20.20	20.01	21.93	21.80	21.61	20.53	20.40	20.21	
			1	1	22.99	23.04	22.76	21.49	21.54	21.26	20.79	20.84	20.56	22.39	22.44	22.16	20.99	21.04	20.76	
			135	67	23.10	23.08	23.18	21.60	21.58	21.68	20.90	20.88	20.98	22.50	22.48	22.58	21.10	21.08	21.18	
			270	0	23.10	23.11	23.04	21.60	21.61	21.54	20.90	20.91	20.84	22.50	22.51	22.44	21.10	21.11	21.04	
	16QAM		1	0	22.71	22.68	22.37	21.21	21.18	20.87	20.51	20.48	20.17	22.11	22.08	21.77	20.71	20.68	20.37	
			1	1	23.18	23.63	23.11	21.68	22.13	21.61	20.98	21.43	20.91	22.58	23.03	22.51	21.18	21.63	21.11	



64QAM	135	67	23.13	23.12	23.25	21.63	21.62	21.75	20.93	20.92	21.05	22.53	22.52	22.65	21.13	21.12	21.25
	270	0	23.30	23.19	23.21	21.80	21.69	21.71	21.10	20.99	21.01	22.70	22.59	22.61	21.30	21.19	21.21
	1	0	22.67	22.62	22.61	21.17	21.12	21.11	20.47	20.42	20.41	22.07	22.02	22.01	20.67	20.62	20.61
	1	1	21.95	23.20	22.97	20.45	21.70	21.47	19.75	21.00	20.77	21.35	22.60	22.37	19.95	21.20	20.97
	135	67	22.87	23.15	22.79	21.37	21.65	21.29	20.67	20.95	20.59	22.27	22.55	22.19	20.87	21.15	20.79
	270	0	23.27	22.97	23.07	21.77	21.47	21.57	21.07	20.77	20.87	22.67	22.37	22.47	21.27	20.97	21.07
	1	0	21.55	21.42	21.89	20.05	19.92	20.39	19.35	19.22	19.69	20.95	20.82	21.29	19.55	19.42	19.89
	1	1	21.67	21.24	21.46	20.17	19.74	19.96	19.47	19.04	19.26	21.07	20.64	20.86	19.67	19.24	19.46
	135	67	20.50	22.03	21.07	19.00	20.53	19.57	18.30	19.83	18.87	19.90	21.43	20.47	18.50	20.03	19.07
	270	0	21.15	22.15	21.80	19.65	20.65	20.30	18.95	19.95	19.60	20.55	21.55	21.20	19.15	20.15	19.80
256QAM	135	67	20.50	22.03	21.07	19.00	20.53	19.57	18.30	19.83	18.87	19.90	21.43	20.47	18.50	20.03	19.07
	270	0	21.15	22.15	21.80	19.65	20.65	20.30	18.95	19.95	19.60	20.55	21.55	21.20	19.15	20.15	19.80

DC_28A(subset 2)-n41A																				
Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 6 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)		
						501204	518598	535998	501204	518598	535998	501204	518598	535998	501204	518598	535998	501204	518598	535998
						2506.02	2592.99	2679.99	2506.02	2592.99	2679.99	2506.02	2592.99	2679.99	2506.02	2592.99	2679.99	2506.02	2592.99	2679.99
						2506.02	2592.99	2679.99	2506.02	2592.99	2679.99	2506.02	2592.99	2679.99	2506.02	2592.99	2679.99	2506.02	2592.99	2679.99
20	PI/2 BPSK	LTE B28-QPSK- 5MHz-709. 5MHz	30	1	0	22.40	22.30	22.52	20.90	20.80	21.02	20.20	20.10	20.32	21.80	21.70	21.92	20.40	20.30	20.52
				1	1	23.09	22.70	22.78	21.59	21.20	21.28	20.89	20.50	20.58	22.49	22.10	22.18	21.09	20.70	20.78
				25	12	23.10	23.12	22.84	21.60	21.62	21.34	20.90	20.92	20.64	22.50	22.52	22.24	21.10	21.12	20.84
				50	0	23.06	22.90	23.06	21.56	21.40	21.56	20.86	20.70	20.86	22.46	22.30	22.46	21.06	20.90	21.06
	QPSK			1	0	22.45	22.18	22.33	20.95	20.68	20.83	20.25	19.98	20.13	21.85	21.58	21.73	20.45	20.18	20.33
				1	1	23.12	22.66	22.92	21.62	21.16	21.42	20.92	20.46	20.72	22.52	22.06	22.32	21.12	20.66	20.92
				25	12	23.18	23.00	22.99	21.68	21.50	21.49	20.98	20.80	20.79	22.58	22.40	22.39	21.18	21.00	20.99
				50	0	23.04	23.00	22.85	21.54	21.50	21.35	20.84	20.80	20.65	22.44	22.40	22.25	21.04	21.00	20.85
	16QAM			1	0	22.59	22.45	22.27	21.09	20.95	20.77	20.39	20.25	20.07	21.99	21.85	21.67	20.59	20.45	20.27
				1	1	23.02	22.76	22.65	21.52	21.26	21.15	20.82	20.56	20.45	22.42	22.16	22.05	21.02	20.76	20.65
				25	12	23.02	22.98	22.77	21.52	21.48	21.27	20.82	20.78	20.57	22.42	22.38	22.17	21.02	20.98	20.77
				50	0	23.12	23.12	22.99	21.62	21.62	21.49	20.92	20.92	20.79	22.52	22.52	22.39	21.12	21.12	20.99
	64QAM			1	0	22.59	22.54	22.61	21.09	21.04	21.11	20.39	20.34	20.41	21.99	21.94	22.01	20.59	20.54	20.61
				1	1	23.83	22.89	23.09	22.33	21.39	21.59	21.63	20.69	20.89	23.23	22.29	22.49	21.83	20.89	21.09
				25	12	23.74	23.14	23.19	22.24	21.64	21.69	21.54	20.94	20.99	23.14	22.54	22.59	21.74	21.14	21.19
				50	0	23.58	22.80	22.87	22.08	21.30	21.37	21.38	20.60	20.67	22.98	22.20	22.27	21.58	20.80	20.87
256QAM	1	0	21.42	21.09	21.22	19.92	19.59	19.72	19.22	18.89	19.02	20.82	20.49	20.62	19.42	19.09	19.22			
	1	1	21.44	21.33	21.16	19.94	19.83	19.66	19.24	19.13	18.96	20.84	20.73	20.56	19.44	19.33	19.16			
	25	12	22.38	21.70	21.04	20.88	20.20	19.54	20.18	19.50	18.84	21.78	21.10	20.44	20.38	19.70	19.04			
	50	0	22.18	21.38	20.39	20.68	19.88	18.89	19.98	19.18	18.19	21.58	20.78	19.79	20.18	19.38	18.39			
Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 6 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)		
						503202	518598	534000	503202	518598	534000	503202	518598	534000	503202	518598	534000	503202	518598	534000
						2516.01	2592.99	2670	2516.01	2592.99	2670	2516.01	2592.99	2670	2516.01	2592.99	2670	2516.01	2592.99	2670
40	PI/2 BPSK	LTE B28-QPSK-	30	1	0	22.40	22.31	22.51	20.90	20.81	21.01	20.20	20.11	20.31	21.80	21.71	21.91	20.40	20.31	20.51
				1	1	23.10	22.69	22.78	21.60	21.19	21.28	20.90	20.49	20.58	22.50	22.09	22.18	21.10	20.69	20.78



5MHz-709.5MHz	QPSK	54	27	23.80	23.10	22.83	22.30	21.60	21.33	21.60	20.90	20.63	23.20	22.50	22.23	21.80	21.10	20.83	
		100	0	23.06	22.88	23.05	21.56	21.38	21.55	20.86	20.68	20.85	22.46	22.28	22.45	21.06	20.88	21.05	
	16QAM	QPSK	1	0	22.46	22.17	22.31	20.96	20.67	20.81	20.26	19.97	20.11	21.86	21.57	21.71	20.46	20.17	20.31
			1	1	23.13	22.67	22.91	21.63	21.17	21.41	20.93	20.47	20.71	22.53	22.07	22.31	21.13	20.67	20.91
		16QAM	54	27	23.19	23.02	23.00	21.69	21.52	21.50	20.99	20.82	20.80	22.59	22.42	22.40	21.19	21.02	21.00
			100	0	23.04	22.99	22.85	21.54	21.49	21.35	20.84	20.79	20.65	22.44	22.39	22.25	21.04	20.99	20.85
	64QAM	16QAM	1	0	22.59	22.46	22.27	21.09	20.96	20.77	20.39	20.26	20.07	21.99	21.86	21.67	20.59	20.46	20.27
			1	1	23.02	22.77	22.64	21.52	21.27	21.14	20.82	20.57	20.44	22.42	22.17	22.04	21.02	20.77	20.64
		64QAM	54	27	23.03	22.97	22.77	21.53	21.47	21.27	20.83	20.77	20.57	22.43	22.37	22.17	21.03	20.97	20.77
			100	0	23.12	23.10	22.98	21.62	21.60	21.48	20.92	20.90	20.78	22.52	22.50	22.38	21.12	21.10	20.98
	256QAM	64QAM	1	0	22.59	22.52	22.60	21.09	21.02	21.10	20.39	20.32	20.40	21.99	21.92	22.00	20.59	20.52	20.60
			1	1	23.65	22.88	23.07	22.15	21.38	21.57	21.45	20.68	20.87	23.05	22.28	22.47	21.65	20.88	21.07
		256QAM	54	27	23.74	23.13	23.19	22.24	21.63	21.69	21.54	20.93	20.99	23.14	22.53	22.59	21.74	21.13	21.19
			100	0	23.58	22.81	22.87	22.08	21.31	21.37	21.38	20.61	20.67	22.98	22.21	22.27	21.58	20.81	20.87
	256QAM	256QAM	1	0	21.42	21.10	21.21	19.92	19.60	19.71	19.22	18.90	19.01	20.82	20.50	20.61	19.42	19.10	19.21
			1	1	21.45	21.32	21.16	19.95	19.82	19.66	19.25	19.12	18.96	20.85	20.72	20.56	19.45	19.32	19.16
256QAM		54	27	22.38	21.68	21.03	20.88	20.18	19.53	20.18	19.48	18.83	21.78	21.08	20.43	20.38	19.68	19.03	
		100	0	22.18	21.36	20.38	20.68	19.86	18.88	19.98	19.16	18.18	21.58	20.76	19.78	20.18	19.36	18.38	

Bandwidth(MHz)	Modulation	Modulation(LTE)	SCS(KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 6 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)		
						505200	518598	531996	505200	518598	531996	505200	518598	531996	505200	518598	531996	505200	518598	531996
						2526	2592.99	2659.98	2526	2592.99	2659.98	2526	2592.99	2659.98	2526	2592.99	2659.98	2526	2592.99	2659.98

60	PI/2 BPSK	LTE B28-QPSK-5MHz-709.5MHz	30	1	0	22.34	22.24	22.46	20.84	20.74	20.96	20.14	20.04	20.26	21.74	21.64	21.86	20.34	20.24	20.46	
				1	1	23.05	22.66	22.74	21.55	21.16	21.24	20.85	20.46	20.54	22.45	22.06	22.14	21.05	20.66	20.74	
				81	40	23.04	23.60	22.78	21.54	22.10	21.28	20.84	21.40	20.58	22.44	23.00	22.18	21.04	21.60	20.78	
				162	0	23.01	22.85	23.01	21.51	21.35	21.51	20.81	20.65	20.81	22.41	22.25	22.41	21.01	20.85	21.01	
	QPSK			QPSK	1	0	22.41	22.14	22.27	20.91	20.64	20.77	20.21	19.94	20.07	21.81	21.54	21.67	20.41	20.14	20.27
					1	1	23.07	22.63	22.88	21.57	21.13	21.38	20.87	20.43	20.68	22.47	22.03	22.28	21.07	20.63	20.88
				QPSK	81	40	23.19	22.96	22.96	21.69	21.46	21.46	20.99	20.76	20.76	22.59	22.36	22.36	21.19	20.96	20.96
					162	0	22.98	22.94	22.79	21.48	21.44	21.29	20.78	20.74	20.59	22.38	22.34	22.19	20.98	20.94	20.79
	16QAM			16QAM	1	0	22.54	22.42	22.22	21.04	20.92	20.72	20.34	20.22	20.02	21.94	21.82	21.62	20.54	20.42	20.22
					1	1	22.97	22.71	22.59	21.47	21.21	21.09	20.77	20.51	20.39	22.37	22.11	21.99	20.97	20.71	20.59
				16QAM	81	40	22.98	22.94	22.73	21.48	21.44	21.23	20.78	20.74	20.53	22.38	22.34	22.13	20.98	20.94	20.73
					162	0	23.06	23.06	22.93	21.56	21.56	21.43	20.86	20.86	20.73	22.46	22.46	22.33	21.06	21.06	20.93
	64QAM			64QAM	1	0	22.54	22.49	22.56	21.04	20.99	21.06	20.34	20.29	20.36	21.94	21.89	21.96	20.54	20.49	20.56
					1	1	23.35	22.85	23.03	21.85	21.35	21.53	21.15	20.65	20.83	22.75	22.25	22.43	21.35	20.85	21.03
				64QAM	81	40	23.42	23.08	23.13	21.92	21.58	21.63	21.22	20.88	20.93	22.82	22.48	22.53	21.42	21.08	21.13
					162	0	23.53	22.77	22.82	22.03	21.27	21.32	21.33	20.57	20.62	22.93	22.17	22.22	21.53	20.77	20.82
256QAM	256QAM	1	0	21.37	21.04	21.16	19.87	19.54	19.66	19.17	18.84	18.96	20.77	20.44	20.56	19.37	19.04	19.16			
		1	1	21.40	21.29	21.12	19.90	19.79	19.62	19.20	19.09	18.92	20.80	20.69	20.52	19.40	19.29	19.12			
	256QAM	81	40	22.32	21.64	20.98	20.82	20.14	19.48	20.12	19.44	18.78	21.72	21.04	20.38	20.32	19.64	18.98			



Bandwidth(MHz)	Modulation	Modulation(LTE)	SCS(KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 6 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)			
						507204	518598	529998	507204	518598	529998	507204	518598	529998	507204	518598	529998	507204	518598	529998	
						2536.02	2592.99	2649.99	2536.02	2592.99	2649.99	2536.02	2592.99	2649.99	2536.02	2592.99	2649.99	2536.02	2592.99	2649.99	
						162	0	22.13	21.33	20.34	20.63	19.83	18.84	19.93	19.13	18.14	21.53	20.73	19.74	20.13	19.33
80	PI/2 BPSK	LTE	30	B28-QPSK-5MHz-709.5MHz	1	0	22.26	22.13	22.37	20.76	20.63	20.87	20.06	19.93	20.17	21.66	21.53	21.77	20.26	20.13	20.37
					1	1	22.96	22.58	22.64	21.46	21.08	21.14	20.76	20.38	20.44	22.36	21.98	22.04	20.96	20.58	20.64
					108	64	22.94	22.94	22.67	21.44	21.44	21.17	20.74	20.74	20.47	22.34	22.34	22.07	20.94	20.94	20.67
					216	0	22.92	22.74	22.91	21.42	21.24	21.41	20.72	20.54	20.71	22.32	22.14	22.31	20.92	20.74	20.91
	QPSK				1	0	22.31	22.02	22.16	20.81	20.52	20.66	20.11	19.82	19.96	21.71	21.42	21.56	20.31	20.02	20.16
					1	1	22.97	22.53	22.77	21.47	21.03	21.27	20.77	20.33	20.57	22.37	21.93	22.17	20.97	20.53	20.77
					108	64	23.10	22.85	22.84	21.60	21.35	21.34	20.90	20.65	20.64	22.50	22.25	22.24	21.10	20.85	20.84
					216	0	22.86	22.85	22.70	21.36	21.35	21.20	20.66	20.65	20.50	22.26	22.25	22.10	20.86	20.85	20.70
	16QAM				1	0	22.45	22.32	22.13	20.95	20.82	20.63	20.25	20.12	19.93	21.85	21.72	21.53	20.45	20.32	20.13
					1	1	22.87	22.60	22.49	21.37	21.10	20.99	20.67	20.40	20.29	22.27	22.00	21.89	20.87	20.60	20.49
					108	64	22.88	22.85	22.63	21.38	21.35	21.13	20.68	20.65	20.43	22.28	22.25	22.03	20.88	20.85	20.63
					216	0	22.96	22.94	22.82	21.46	21.44	21.32	20.76	20.74	20.62	22.36	22.34	22.22	20.96	20.94	20.82
	64QAM				1	0	22.45	22.38	22.46	20.95	20.88	20.96	20.25	20.18	20.26	21.85	21.78	21.86	20.45	20.38	20.46
					1	1	23.40	22.73	22.92	21.90	21.23	21.42	21.20	20.53	20.72	22.80	22.13	22.32	21.40	20.73	20.92
					108	64	23.56	22.99	23.04	22.06	21.49	21.54	21.36	20.79	20.84	22.96	22.39	22.44	21.56	20.99	21.04
					216	0	23.44	22.67	22.73	21.94	21.17	21.23	21.24	20.47	20.53	22.84	22.07	22.13	21.44	20.67	20.73
	256QAM				1	0	21.27	20.93	21.06	19.77	19.43	19.56	19.07	18.73	18.86	20.67	20.33	20.46	19.27	18.93	19.06
					1	1	21.30	21.20	21.02	19.80	19.70	19.52	19.10	19.00	18.82	20.70	20.60	20.42	19.30	19.20	19.02
					108	64	22.22	21.52	20.87	20.72	20.02	19.37	20.02	19.32	18.67	21.62	20.92	20.27	20.22	19.52	18.87
					216	0	22.04	21.22	20.24	20.54	19.72	18.74	19.84	19.02	18.04	21.44	20.62	19.64	20.04	19.22	18.24
100	PI/2 BPSK	LTE	30	B28-QPSK-5MHz-709.5MHz	1	0	22.56	22.42	22.67	21.06	20.92	21.17	20.36	20.22	20.47	21.96	21.82	22.07	20.56	20.42	20.67
					1	1	23.28	22.87	22.95	21.78	21.37	21.45	21.08	20.67	20.75	22.68	22.27	22.35	21.28	20.87	20.95
					135	67	23.25	23.26	22.97	21.75	21.76	21.47	21.05	21.06	20.77	22.65	22.66	22.37	21.25	21.26	20.97
					270	0	23.22	23.02	23.20	21.72	21.52	21.70	21.02	20.82	21.00	22.62	22.42	22.60	21.22	21.02	21.20
	QPSK				1	0	22.62	22.31	22.46	21.12	20.81	20.96	20.42	20.11	20.26	22.02	21.71	21.86	20.62	20.31	20.46
					1	1	23.27	22.81	23.06	21.77	21.31	21.56	21.07	20.61	20.86	22.67	22.21	22.46	21.27	20.81	21.06
					135	67	23.40	23.13	23.13	21.90	21.63	21.63	21.20	20.93	20.93	22.80	22.53	22.53	21.40	21.13	21.13
					270	0	23.17	23.14	22.98	21.67	21.64	21.48	20.97	20.94	20.78	22.57	22.54	22.38	21.17	21.14	20.98
	16QAM				1	0	22.74	22.63	22.42	21.24	21.13	20.92	20.54	20.43	20.22	22.14	22.03	21.82	20.74	20.63	20.42
					1	1	23.18	22.90	22.80	21.68	21.40	21.30	20.98	20.70	20.60	22.58	22.30	22.20	21.18	20.90	20.80
					135	67	23.18	23.14	22.93	21.68	21.64	21.43	20.98	20.94	20.73	22.58	22.54	22.33	21.18	21.14	20.93
					270	0	23.26	23.25	23.12	21.76	21.75	21.62	21.06	21.05	20.92	22.66	22.65	22.52	21.26	21.25	21.12



64QAM	1	0	22.75	22.66	22.75	21.25	21.16	21.25	20.55	20.46	20.55	22.15	22.06	22.15	20.75	20.66	20.75	
		1	24.00	23.02	23.22	22.50	21.52	21.72	21.80	20.82	21.02	23.40	22.42	22.62	22.00	21.02	21.22	
		135	67	23.87	23.28	23.32	22.37	21.78	21.82	21.67	21.08	21.12	23.27	22.68	22.72	21.87	21.28	21.32
		270	0	23.73	22.98	23.02	22.23	21.48	21.52	21.53	20.78	20.82	23.13	22.38	22.42	21.73	20.98	21.02
	256QAM	1	0	21.58	21.23	21.37	20.08	19.73	19.87	19.38	19.03	19.17	20.98	20.63	20.77	19.58	19.23	19.37
			1	21.60	21.49	21.32	20.10	19.99	19.82	19.40	19.29	19.12	21.00	20.89	20.72	19.60	19.49	19.32
		135	67	22.52	21.83	21.17	21.02	20.33	19.67	20.32	19.63	18.97	21.92	21.23	20.57	20.52	19.83	19.17
			270	0	22.34	21.50	20.53	20.84	20.00	19.03	20.14	19.30	18.33	21.74	20.90	19.93	20.34	19.50

NR n66																	
Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 2 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)			
					342500.0	349000.0	355500.0	342500.0	349000.0	355500.0	342500.0	349000.0	355500.0	342500.0	349000.0	355500.0	
					1712.5	1745.0	1777.5	1712.5	1745.0	1777.5	1712.5	1745.0	1777.5	1712.5	1745.0	1777.5	
5	PI/2 BPSK	15	1	0	22.69	22.70	22.63	17.59	17.60	17.53	20.99	21.00	20.93	18.59	18.60	18.53	
				1	22.61	22.62	22.68	17.51	17.52	17.58	20.91	20.92	20.98	18.51	18.52	18.58	
				12	6	22.76	22.84	22.88	17.66	17.74	17.78	21.06	21.14	21.18	18.66	18.74	18.78
					0	22.88	22.90	22.78	17.78	17.80	17.68	21.18	21.20	21.08	18.78	18.80	18.68
	QPSK		1	0	22.59	22.65	22.64	17.49	17.55	17.54	20.89	20.95	20.94	18.49	18.55	18.54	
				1	22.69	22.68	22.71	17.59	17.58	17.61	20.99	20.98	21.01	18.59	18.58	18.61	
			12	6	22.72	22.95	22.87	17.62	17.85	17.77	21.02	21.25	21.17	18.62	18.85	18.77	
				0	22.92	22.87	22.78	17.82	17.77	17.68	21.22	21.17	21.08	18.82	18.77	18.68	
	16QAM		1	0	22.57	21.25	21.74	17.47	16.15	16.64	20.87	19.55	20.04	18.47	17.15	17.64	
				1	23.01	22.41	22.67	17.91	17.31	17.57	21.31	20.71	20.97	18.91	18.31	18.57	
			12	6	22.76	22.77	22.81	17.66	17.67	17.71	21.06	21.07	21.11	18.66	18.67	18.71	
				0	21.88	21.85	21.75	16.78	16.75	16.65	20.18	20.15	20.05	17.78	17.75	17.65	
	64QAM		1	0	21.88	21.15	21.34	16.78	16.05	16.24	20.18	19.45	19.64	17.78	17.05	17.24	
				1	21.95	21.19	21.46	16.85	16.09	16.36	20.25	19.49	19.76	17.85	17.09	17.36	
			12	6	21.33	21.38	21.32	16.23	16.28	16.22	19.63	19.68	19.62	17.23	17.28	17.22	
				0	21.33	21.34	21.24	16.23	16.24	16.14	19.63	19.64	19.54	17.23	17.24	17.14	
	256QAM		1	0	18.95	19.20	18.99	13.85	14.10	13.89	17.25	17.50	17.29	14.85	15.10	14.89	
				1	18.89	19.19	19.02	13.79	14.09	13.92	17.19	17.49	17.32	14.79	15.09	14.92	
			12	6	19.17	19.40	19.16	14.07	14.30	14.06	17.47	17.70	17.46	15.07	15.30	15.06	
				0	19.30	19.33	19.28	14.20	14.23	14.18	17.60	17.63	17.58	15.20	15.23	15.18	
Bandwidth (MHz)	Modulation	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 2 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)			
					343000.0	349000.0	355000.0	343000.0	349000.0	355000.0	343000.0	349000.0	355000.0	343000.0	349000.0	355000.0	
					1715.0	1745.0	1775.0	1715.0	1745.0	1775.0	1715.0	1745.0	1775.0	1715.0	1745.0	1775.0	
10	PI/2 BPSK	15	1	0	22.59	22.59	22.54	17.49	17.49	17.44	20.89	20.89	20.84	18.49	18.49	18.44	
				1	22.52	22.55	22.60	17.42	17.45	17.50	20.82	20.85	20.90	18.42	18.45	18.50	



Bandwidth(MHz)	Modulation	SCS(KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 2 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)			
					343500.0	349000.0	354500.0	343500.0	349000.0	354500.0	343500.0	349000.0	354500.0	343500.0	349000.0	354500.0	
					1717.5	1745.0	1772.5	1717.5	1745.0	1772.5	1717.5	1745.0	1772.5	1717.5	1745.0	1772.5	
15	QPSK	15	25	12	22.66	22.76	22.79	17.56	17.66	17.69	20.96	21.06	21.09	18.56	18.66	18.69	
			50	0	22.79	22.83	22.70	17.69	17.73	17.60	21.09	21.13	21.00	18.69	18.73	18.60	
			1	0	22.50	22.58	22.56	17.40	17.48	17.46	20.80	20.88	20.86	18.40	18.48	18.46	
			1	1	22.59	22.60	22.64	17.49	17.50	17.54	20.89	20.90	20.94	18.49	18.50	18.54	
			25	12	22.68	22.85	22.79	17.58	17.75	17.69	20.98	21.15	21.09	18.58	18.75	18.69	
			50	0	22.82	22.78	22.68	17.72	17.68	17.58	21.12	21.08	20.98	18.72	18.68	18.58	
	16QAM		1	0	22.48	21.17	21.65	17.38	16.07	16.55	20.78	19.47	19.95	18.38	17.07	17.55	
			1	1	22.92	22.31	22.58	17.82	17.21	17.48	21.22	20.61	20.88	18.82	18.21	18.48	
			25	12	22.67	22.70	22.73	17.57	17.60	17.63	20.97	21.00	21.03	18.57	18.60	18.63	
			50	0	21.78	21.77	21.66	16.68	16.67	16.56	20.08	20.07	19.96	17.68	17.67	17.56	
	64QAM		1	0	21.79	21.08	21.26	16.69	15.98	16.16	20.09	19.38	19.56	17.69	16.98	17.16	
			1	1	21.86	21.12	21.38	16.76	16.02	16.28	20.16	19.42	19.68	17.76	17.02	17.28	
			25	12	21.23	21.29	21.22	16.13	16.19	16.12	19.53	19.59	19.52	17.13	17.19	17.12	
			50	0	21.24	21.26	21.15	16.14	16.16	16.05	19.54	19.56	19.45	17.14	17.16	17.05	
	256QAM		1	0	18.86	19.10	18.90	13.76	14.00	13.80	17.16	17.40	17.20	14.76	15.00	14.80	
			1	1	18.80	19.12	18.94	13.70	14.02	13.84	17.10	17.42	17.24	14.70	15.02	14.84	
			25	12	19.07	19.32	19.07	13.97	14.22	13.97	17.37	17.62	17.37	14.97	15.22	14.97	
			50	0	19.21	19.26	19.20	14.11	14.16	14.10	17.51	17.56	17.50	15.11	15.16	15.10	
	15		PI/2 BPSK	1	0	22.56	22.53	22.50	17.46	17.43	17.40	20.86	20.83	20.80	18.46	18.43	18.40
				1	1	22.48	22.52	22.55	17.38	17.42	17.45	20.78	20.82	20.85	18.38	18.42	18.45
36		18		22.61	22.69	22.73	17.51	17.59	17.63	20.91	20.99	21.03	18.51	18.59	18.63		
75		0		22.75	22.77	22.65	17.65	17.67	17.55	21.05	21.07	20.95	18.65	18.67	18.55		
QPSK		1	0	22.45	22.51	22.50	17.35	17.41	17.40	20.75	20.81	20.80	18.35	18.41	18.40		
		1	1	22.54	22.55	22.58	17.44	17.45	17.48	20.84	20.85	20.88	18.44	18.45	18.48		
		36	18	22.64	22.79	22.72	17.54	17.69	17.62	20.94	21.09	21.02	18.54	18.69	18.62		
		75	0	22.75	22.74	22.64	17.65	17.64	17.54	21.05	21.04	20.94	18.65	18.64	18.54		
16QAM		1	0	22.44	21.12	21.61	17.34	16.02	16.51	20.74	19.42	19.91	18.34	17.02	17.51		
		1	1	22.87	22.25	22.53	17.77	17.15	17.43	21.17	20.55	20.83	18.77	18.15	18.43		
		36	18	22.62	22.66	22.68	17.52	17.56	17.58	20.92	20.96	20.98	18.52	18.56	18.58		
		75	0	21.73	21.70	21.60	16.63	16.60	16.50	20.03	20.00	19.90	17.63	17.60	17.50		
64QAM		1	0	21.75	21.02	21.21	16.65	15.92	16.11	20.05	19.32	19.51	17.65	16.92	17.11		
		1	1	21.81	21.05	21.32	16.71	15.95	16.22	20.11	19.35	19.62	17.71	16.95	17.22		
		36	18	21.16	21.25	21.18	16.06	16.15	16.08	19.46	19.55	19.48	17.06	17.15	17.08		
		75	0	21.20	21.21	21.11	16.10	16.11	16.01	19.50	19.51	19.41	17.10	17.11	17.01		
256QAM		1	0	18.81	19.04	18.85	13.71	13.94	13.75	17.11	17.34	17.15	14.71	14.94	14.75		
		1	1	18.75	19.08	18.89	13.65	13.98	13.79	17.05	17.38	17.19	14.65	14.98	14.79		
		36	18	19.02	19.25	19.01	13.92	14.15	13.91	17.32	17.55	17.31	14.92	15.15	14.91		



Bandwidth(MHz)	Modulation	SCS(KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 2 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)		
					344000.0	349000.0	354000.0	344000.0	349000.0	354000.0	344000.0	349000.0	354000.0	344000.0	349000.0	354000.0
					1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0
20	PI/2 BPSK	15	1	0	22.84	22.80	22.78	17.74	17.70	17.68	21.14	21.10	21.08	18.74	18.70	18.68
				1	22.78	22.79	22.84	17.68	17.69	17.74	21.08	21.09	21.14	18.68	18.69	18.74
				25	22.90	22.99	23.01	17.80	17.89	17.91	21.20	21.29	21.31	18.80	18.89	18.91
				0	23.03	23.03	22.92	17.93	17.93	17.82	21.33	21.33	21.22	18.93	18.93	18.82
	QPSK			0	22.74	22.78	22.78	17.64	17.68	17.68	21.04	21.08	21.08	18.64	18.68	18.68
				1	22.82	22.81	22.85	17.72	17.71	17.75	21.12	21.11	21.15	18.72	18.71	18.75
				25	22.92	23.05	22.99	17.82	17.95	17.89	21.22	21.35	21.29	18.82	18.95	18.89
				0	23.04	23.01	22.90	17.94	17.91	17.80	21.34	21.31	21.20	18.94	18.91	18.80
	16QAM			0	22.71	21.41	21.88	17.61	16.31	16.78	21.01	19.71	20.18	18.61	17.31	17.78
				1	23.18	22.53	22.82	18.08	17.43	17.72	21.48	20.83	21.12	19.08	18.43	18.72
				25	22.90	22.93	22.96	17.80	17.83	17.86	21.20	21.23	21.26	18.80	18.83	18.86
				0	22.01	21.99	21.88	16.91	16.89	16.78	20.31	20.29	20.18	17.91	17.89	17.78
	64QAM			0	22.03	21.28	21.48	16.93	16.18	16.38	20.33	19.58	19.78	17.93	17.18	17.38
				1	22.10	21.32	21.60	17.00	16.22	16.50	20.40	19.62	19.90	18.00	17.22	17.50
				25	21.45	21.52	21.44	16.35	16.42	16.34	19.75	19.82	19.74	17.35	17.42	17.34
				0	21.47	21.50	21.38	16.37	16.40	16.28	19.77	19.80	19.68	17.37	17.40	17.28
	256QAM			0	19.10	19.32	19.14	14.00	14.22	14.04	17.40	17.62	17.44	15.00	15.22	15.04
				1	19.03	19.35	19.17	13.93	14.25	14.07	17.33	17.65	17.47	14.93	15.25	15.07
				25	19.30	19.54	19.29	14.20	14.44	14.19	17.60	17.84	17.59	15.20	15.44	15.19
				0	19.45	19.46	19.42	14.35	14.36	14.32	17.75	17.76	17.72	15.35	15.36	15.32

DC_5A-n66A																	
Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 2 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)		
						342500	349000	355500	342500	349000	355500	342500	349000	355500	342500	349000	355500
						1712.5	1745	1777.5	1712.5	1745	1777.5	1712.5	1745	1777.5	1712.5	1745	1777.5
5	PI/2 BPSK	Band5-10M Hz-836.5M Hz-QPSK-1 #0	15	1	0	22.73	22.69	22.57	17.63	17.59	17.47	21.03	20.99	20.87	18.63	18.59	18.47
				1	1	22.57	22.63	22.66	17.47	17.53	17.56	20.87	20.93	20.96	18.47	18.53	18.56
				12	6	22.82	23.25	23.22	17.72	18.15	18.12	21.12	21.55	21.52	18.72	19.15	19.12
				25	0	22.78	23.15	23.04	17.68	18.05	17.94	21.08	21.45	21.34	18.68	19.05	18.94
	QPSK			1	0	22.54	22.55	22.64	17.44	17.45	17.54	20.84	20.85	20.94	18.44	18.45	18.54
				1	1	22.60	22.58	22.68	17.50	17.48	17.58	20.90	20.88	20.98	18.50	18.48	18.58
				12	6	22.82	23.06	23.19	17.72	17.96	18.09	21.12	21.36	21.49	18.72	18.96	19.09
				25	0	22.80	23.23	23.21	17.70	18.13	18.11	21.10	21.53	21.51	18.70	19.13	19.11
				16QAM	1	0	21.65	21.31	21.38	16.55	16.21	16.28	19.95	19.61	19.68	17.55	17.21



Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 2 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)		
						343000	349000	355000	342500	349000	355500	342500	349000	355500	342500	349000	355500
						1715	1745	1775	1712.5	1745	1777.5	1712.5	1745	1777.5	1712.5	1745	1777.5
10	PI/2 BPSK	Band5-10M Hz-836.5M Hz-QPSK-1 #0	15	1	0	22.62	22.57	22.47	17.52	17.47	17.37	20.92	20.87	20.77	18.52	18.47	18.37
				1	1	22.47	22.55	22.57	17.37	17.45	17.47	20.77	20.85	20.87	18.37	18.45	18.47
				25	12	22.71	23.16	23.12	17.61	18.06	18.02	21.01	21.46	21.42	18.61	19.06	19.02
	QPSK			50	0	22.68	23.07	22.95	17.58	17.97	17.85	20.98	21.37	21.25	18.58	18.97	18.85
				1	0	22.44	22.47	22.55	17.34	17.37	17.45	20.74	20.77	20.85	18.34	18.37	18.45
				1	1	22.49	22.49	22.60	17.39	17.39	17.50	20.79	20.79	20.90	18.39	18.39	18.50
	16QAM			25	12	22.77	23.09	23.15	17.67	17.99	18.05	21.07	21.39	21.45	18.67	18.99	19.05
				50	0	22.69	23.13	23.10	17.59	18.03	18.00	20.99	21.43	21.40	18.59	19.03	19.00
				1	0	21.55	21.22	21.28	16.45	16.12	16.18	19.85	19.52	19.58	17.45	17.12	17.18
	64QAM			1	1	22.67	22.30	22.23	17.57	17.20	17.13	20.97	20.60	20.53	18.57	18.20	18.13
				25	12	22.64	23.20	23.16	17.54	18.10	18.06	20.94	21.50	21.46	18.54	19.10	19.06
				50	0	21.78	22.08	22.29	16.68	16.98	17.19	20.08	20.38	20.59	17.68	17.98	18.19
256QAM	1	0	20.97	19.70	21.29	15.87	14.60	16.19	19.27	18.00	19.59	16.87	15.60	17.19			
	1	1	21.06	19.71	21.33	15.96	14.61	16.23	19.36	18.01	19.63	16.96	15.61	17.23			
	25	12	21.18	21.67	21.74	16.08	16.57	16.64	19.48	19.97	20.04	17.08	17.57	17.64			
				50	0	21.16	21.56	21.52	16.06	16.46	16.42	19.46	19.86	19.82	17.06	17.46	17.42
				1	0	18.54	18.74	18.89	13.44	13.64	13.79	16.84	17.04	17.19	14.44	14.64	14.79
				1	1	18.49	18.89	18.83	13.39	13.79	13.73	16.79	17.19	17.13	14.39	14.79	14.73
				25	12	19.16	12.68	19.72	14.06	7.58	14.62	17.46	10.98	18.02	15.06	8.58	15.62
				50	0	19.29	19.67	19.52	14.19	14.57	14.42	17.59	17.97	17.82	15.19	15.57	15.42

Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 2 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)		
						343500	349000	354500	342500	349000	355500	342500	349000	355500	342500	349000	355500
						1717.5	1745	1772.5	1712.5	1745	1777.5	1712.5	1745	1777.5	1712.5	1745	1777.5
15	PI/2 BPSK	Band5-10M Hz-836.5M	15	1	0	22.59	22.51	22.43	17.49	17.41	17.33	20.89	20.81	20.73	18.49	18.41	18.33
				1	1	22.43	22.52	22.52	17.33	17.42	17.42	20.73	20.82	20.82	18.33	18.42	18.42



Bandwidth (MHz)	Modulation	Modulation (LTE)	SCS (KHz)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 2 EIRP(dBm)			Antenna 1 EIRP(dBm)			Antenna 4 EIRP(dBm)			
						344000	349000	354000	342500	349000	355500	342500	349000	355500	342500	349000	355500	
						1720	1745	1770	1712.5	1745	1777.5	1712.5	1745	1777.5	1712.5	1745	1777.5	
20	QPSK	Hz-QPSK-1 #0	15	36	18	22.66	23.09	23.06	17.56	17.99	17.96	20.96	21.39	21.36	18.56	18.99	18.96	
				75	0	22.64	23.01	22.90	17.54	17.91	17.80	20.94	21.31	21.20	18.54	18.91	18.80	
				1	0	22.39	22.40	22.49	17.29	17.30	17.39	20.69	20.70	20.79	18.29	18.30	18.39	
				1	1	22.44	22.44	22.54	17.34	17.34	17.44	20.74	20.74	20.84	18.34	18.34	18.44	
				36	18	22.73	23.18	23.08	17.63	18.08	17.98	21.03	21.48	21.38	18.63	19.08	18.98	
				75	0	22.62	23.09	23.06	17.52	17.99	17.96	20.92	21.39	21.36	18.52	18.99	18.96	
	16QAM			1	0	21.51	21.17	21.24	16.41	16.07	16.14	19.81	19.47	19.54	17.41	17.07	17.14	
				1	1	22.62	22.24	22.18	17.52	17.14	17.08	20.92	20.54	20.48	18.52	18.14	18.08	
				36	18	22.59	23.16	23.11	17.49	18.06	18.01	20.89	21.46	21.41	18.49	19.06	19.01	
				75	0	21.73	22.01	22.23	16.63	16.91	17.13	20.03	20.31	20.53	17.63	17.91	18.13	
				1	0	20.93	19.64	21.24	15.83	14.54	16.14	19.23	17.94	19.54	16.83	15.54	17.14	
				1	1	21.01	19.64	21.27	15.91	14.54	16.17	19.31	17.94	19.57	16.91	15.54	17.17	
	64QAM			36	18	21.11	21.63	21.70	16.01	16.53	16.60	19.41	19.93	20.00	17.01	17.53	17.60	
				75	0	21.12	21.51	21.48	16.02	16.41	16.38	19.42	19.81	19.78	17.02	17.41	17.38	
				1	0	18.49	18.68	18.84	13.39	13.58	13.74	16.79	16.98	17.14	14.39	14.58	14.74	
				1	1	18.44	18.85	18.78	13.34	13.75	13.68	16.74	17.15	17.08	14.34	14.75	14.68	
				36	18	19.11	12.61	19.66	14.01	7.51	14.56	17.41	10.91	17.96	15.01	8.51	15.56	
				75	0	19.25	19.61	19.47	14.15	14.51	14.37	17.55	17.91	17.77	15.15	15.51	15.37	
	PI/2 BPSK			QPSK	1	0	22.87	22.78	22.71	17.77	17.68	17.61	21.17	21.08	21.01	18.77	18.68	18.61
					1	1	22.73	22.79	22.81	17.63	17.69	17.71	21.03	21.09	21.11	18.63	18.69	18.71
50		25	22.95		23.39	23.34	17.85	18.29	18.24	21.25	21.69	21.64	18.85	19.29	19.24			
100		0	22.92		23.27	23.17	17.82	18.17	18.07	21.22	21.57	21.47	18.82	19.17	19.07			
16QAM		1	0	22.68	22.67	22.77	17.58	17.57	17.67	20.98	20.97	21.07	18.58	18.57	18.67			
		1	1	22.72	22.70	22.81	17.62	17.60	17.71	21.02	21.00	21.11	18.62	18.60	18.71			
		50	25	23.01	23.45	23.35	17.91	18.35	18.25	21.31	21.75	21.65	18.91	19.35	19.25			
		100	0	22.91	23.36	23.32	17.81	18.26	18.22	21.21	21.66	21.62	18.81	19.26	19.22			
64QAM		1	0	21.78	21.46	21.51	16.68	16.36	16.41	20.08	19.76	19.81	17.68	17.36	17.41			
		1	1	22.91	22.52	22.47	17.81	17.42	17.37	21.21	20.82	20.77	18.81	18.42	18.37			
		50	25	22.87	23.43	23.39	17.77	18.33	18.29	21.17	21.73	21.69	18.77	19.33	19.29			
		100	0	22.01	22.30	22.51	16.91	17.20	17.41	20.31	20.60	20.81	17.91	18.20	18.41			
256QAM		1	0	21.21	19.90	21.51	16.11	14.80	16.41	19.51	18.20	19.81	17.11	15.80	17.41			
		1	1	21.30	19.91	21.55	16.20	14.81	16.45	19.60	18.21	19.85	17.20	15.81	17.45			
	50	25	21.40	21.90	21.96	16.30	16.80	16.86	19.70	20.20	20.26	17.30	17.80	17.86				
	100	0	21.39	21.80	21.75	16.29	16.70	16.65	19.69	20.10	20.05	17.29	17.70	17.65				
256QAM	1	0	18.78	18.96	19.13	13.68	13.86	14.03	17.08	17.26	17.43	14.68	14.86	15.03				
	1	1	18.72	19.12	19.06	13.62	14.02	13.96	17.02	17.42	17.36	14.62	15.02	14.96				
	50	25	19.39	12.90	19.94	14.29	7.80	14.84	17.69	11.20	18.24	15.29	8.80	15.84				



				100	0	19.53	19.87	19.74	14.43	14.77	14.64	17.83	18.17	18.04	15.43	15.77	15.64
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NR n77 subset 1																		
Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)		
				630666	633334	635998	630666	633334	635998	630666	633334	635998	630666	633334	635998	630666	633334	635998
				3460	3500	3540	3460	3500	3540	3460	3500	3540	3460	3500	3540	3460	3500	3540
20	BPSK	1	0	23.76	23.66	23.57	22.96	22.86	22.77	22.26	22.16	22.07	17.26	17.16	17.07	22.56	22.46	22.37
		1	1	23.90	24.20	24.14	23.10	23.40	23.34	22.40	22.70	22.64	17.40	17.70	17.64	22.70	23.00	22.94
		1	49	23.90	23.98	24.03	23.10	23.18	23.23	22.40	22.48	22.53	17.40	17.48	17.53	22.70	22.78	22.83
		1	50	23.60	23.46	23.62	22.80	22.66	22.82	22.10	21.96	22.12	17.10	16.96	17.12	22.40	22.26	22.42
		25	12	24.15	23.92	24.20	23.35	23.12	23.40	22.65	22.42	22.70	17.65	17.42	17.70	22.95	22.72	23.00
		50	0	24.00	23.97	24.14	23.20	23.17	23.34	22.50	22.47	22.64	17.50	17.47	17.64	22.80	22.77	22.94
	QPSK	1	0	23.77	23.71	23.72	22.97	22.91	22.92	22.27	22.21	22.22	17.27	17.21	17.22	22.57	22.51	22.52
		1	1	24.18	23.83	23.94	23.38	23.03	23.14	22.68	22.33	22.44	17.68	17.33	17.44	22.98	22.63	22.74
		1	49	23.86	24.12	24.16	23.06	23.32	23.36	22.36	22.62	22.66	17.36	17.62	17.66	22.66	22.92	22.96
		1	50	23.35	23.70	23.68	22.55	22.90	22.88	21.85	22.20	22.18	16.85	17.20	17.18	22.15	22.50	22.48
		25	12	24.19	24.16	23.85	23.39	23.36	23.05	22.69	22.66	22.35	17.69	17.66	17.35	22.99	22.96	22.65
		50	0	23.98	24.18	23.97	23.18	23.38	23.17	22.48	22.68	22.47	17.48	17.68	17.47	22.78	22.98	22.77
	16QAM	1	0	23.34	23.82	23.23	22.54	23.02	22.43	21.84	22.32	21.73	16.84	17.32	16.73	22.14	22.62	22.03
		1	1	23.79	23.89	23.95	22.99	23.09	23.15	22.29	22.39	22.45	17.29	17.39	17.45	22.59	22.69	22.75
		1	49	23.59	23.78	23.59	22.79	22.98	22.79	22.09	22.28	22.09	17.09	17.28	17.09	22.39	22.58	22.39
		1	50	23.09	23.29	23.15	22.29	22.49	22.35	21.59	21.79	21.65	16.59	16.79	16.65	21.89	22.09	21.95
		25	12	24.14	24.17	24.07	23.34	23.37	23.27	22.64	22.67	22.57	17.64	17.67	17.57	22.94	22.97	22.87
		50	0	23.04	23.17	23.54	22.24	22.37	22.74	21.54	21.67	22.04	16.54	16.67	17.04	21.84	21.97	22.34
	64QAM	1	0	23.38	23.79	23.37	22.58	22.99	22.57	21.88	22.29	21.87	16.88	17.29	16.87	22.18	22.59	22.17
		1	1	23.64	23.82	23.64	22.84	23.02	22.84	22.14	22.32	22.14	17.14	17.32	17.14	22.44	22.62	22.44
		1	49	23.57	23.67	23.81	22.77	22.87	23.01	22.07	22.17	22.31	17.07	17.17	17.31	22.37	22.47	22.61
		1	50	23.41	23.13	23.36	22.61	22.33	22.56	21.91	21.63	21.86	16.91	16.63	16.86	22.21	21.93	22.16
		25	12	22.61	22.48	22.87	21.81	21.68	22.07	21.11	20.98	21.37	16.11	15.98	16.37	21.41	21.28	21.67
		50	0	22.02	22.18	22.51	21.22	21.38	21.71	20.52	20.68	21.01	15.52	15.68	16.01	20.82	20.98	21.31
256QAM	1	0	23.55	23.50	22.55	22.75	22.70	21.75	22.05	22.00	21.05	17.05	17.00	16.05	22.35	22.30	21.35	
	1	1	23.50	23.81	22.54	22.70	23.01	21.74	22.00	22.31	21.04	17.00	17.31	16.04	22.30	22.61	21.34	
	1	49	23.66	23.79	22.70	22.86	22.99	21.90	22.16	22.29	21.20	17.16	17.29	16.20	22.46	22.59	21.50	
	1	50	22.98	23.29	22.49	22.18	22.49	21.69	21.48	21.79	20.99	16.48	16.79	15.99	21.78	22.09	21.29	
	25	12	22.13	21.51	22.47	21.33	20.71	21.67	20.63	20.01	20.97	15.63	15.01	15.97	20.93	20.31	21.27	
	50	0	21.22	21.05	21.00	20.42	20.25	20.20	19.72	19.55	19.50	14.72	14.55	14.50	20.02	19.85	19.80	
Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)		
				631332	633334	635332	631332	633334	635332	631332	633334	635332	631332	633334	635332	631332	633334	635332
				3470	3500	3530	3470	3500	3530	3470	3500	3530	3470	3500	3530	3470	3500	3530
40	BPSK	1	0	23.68	23.45	23.68	22.88	22.65	22.88	22.18	21.95	22.18	17.18	16.95	17.18	22.48	22.25	22.48
		1	1	23.98	23.87	24.21	23.18	23.07	23.41	22.48	22.37	22.71	17.48	17.37	17.71	22.78	22.67	23.01



		1	104	23.85	24.01	24.17	23.05	23.21	23.37	22.35	22.51	22.67	17.35	17.51	17.67	22.65	22.81	22.97
		1	105	23.67	23.67	23.66	22.87	22.87	22.86	22.17	22.17	22.16	17.17	17.17	17.16	22.47	22.47	22.46
		50	25	24.06	24.07	24.12	23.26	23.27	23.32	22.56	22.57	22.62	17.56	17.57	17.62	22.86	22.87	22.92
		100	0	23.91	23.91	23.96	23.11	23.11	23.16	22.41	22.41	22.46	17.41	17.41	17.46	22.71	22.71	22.76
	QPSK	1	0	23.61	23.38	23.73	22.81	22.58	22.93	22.11	21.88	22.23	17.11	16.88	17.23	22.41	22.18	22.53
		1	1	24.07	24.20	24.13	23.27	23.40	23.33	22.57	22.70	22.63	17.57	17.70	17.63	22.87	23.00	22.93
		1	104	23.88	23.94	23.99	23.08	23.14	23.19	22.38	22.44	22.49	17.38	17.44	17.49	22.68	22.74	22.79
		1	105	23.83	23.45	23.49	23.03	22.65	22.69	22.33	21.95	21.99	17.33	16.95	16.99	22.63	22.25	22.29
		50	25	24.05	24.13	23.94	23.25	23.33	23.14	22.55	22.63	22.44	17.55	17.63	17.44	22.85	22.93	22.74
		100	0	23.91	23.90	23.90	23.11	23.10	23.10	22.41	22.40	22.40	17.41	17.40	17.40	22.71	22.70	22.70
	16QAM	1	0	23.36	23.62	23.73	22.56	22.82	22.93	21.86	22.12	22.23	16.86	17.12	17.23	22.16	22.42	22.53
		1	1	23.83	23.72	23.98	23.03	22.92	23.18	22.33	22.22	22.48	17.33	17.22	17.48	22.63	22.52	22.78
		1	104	23.76	23.98	23.82	22.96	23.18	23.02	22.26	22.48	22.32	17.26	17.48	17.32	22.56	22.78	22.62
		1	105	23.42	23.52	23.07	22.62	22.72	22.27	21.92	22.02	21.57	16.92	17.02	16.57	22.22	22.32	21.87
		50	25	24.07	24.07	24.13	23.27	23.27	23.33	22.57	22.57	22.63	17.57	17.57	17.63	22.87	22.87	22.93
		100	0	24.13	24.09	23.95	23.33	23.29	23.15	22.63	22.59	22.45	17.63	17.59	17.45	22.93	22.89	22.75
	64QAM	1	0	23.37	23.39	23.61	22.57	22.59	22.81	21.87	21.89	22.11	16.87	16.89	17.11	22.17	22.19	22.41
		1	1	23.61	23.65	23.78	22.81	22.85	22.98	22.11	22.15	22.28	17.11	17.15	17.28	22.41	22.45	22.58
		1	104	23.67	23.96	23.79	22.87	23.16	22.99	22.17	22.46	22.29	17.17	17.46	17.29	22.47	22.76	22.59
		1	105	23.18	23.55	23.49	22.38	22.75	22.69	21.68	22.05	21.99	16.68	17.05	16.99	21.98	22.35	22.29
		50	25	23.85	24.07	23.89	23.05	23.27	23.09	22.35	22.57	22.39	17.35	17.57	17.39	22.65	22.87	22.69
		100	0	23.97	24.15	24.13	23.17	23.35	23.33	22.47	22.65	22.63	17.47	17.65	17.63	22.77	22.95	22.93
	256QAM	1	0	22.43	22.81	22.43	21.63	22.01	21.63	20.93	21.31	20.93	15.93	16.31	15.93	21.23	21.61	21.23
		1	1	22.45	22.43	22.44	21.65	21.63	21.64	20.95	20.93	20.94	15.95	15.93	15.94	21.25	21.23	21.24
1		104	22.54	22.62	22.77	21.74	21.82	21.97	21.04	21.12	21.27	16.04	16.12	16.27	21.34	21.42	21.57	
1		105	22.53	22.47	22.75	21.73	21.67	21.95	21.03	20.97	21.25	16.03	15.97	16.25	21.33	21.27	21.55	
50		25	22.33	22.36	22.37	21.53	21.56	21.57	20.83	20.86	20.87	15.83	15.86	15.87	21.13	21.16	21.17	
100		0	22.37	22.46	22.63	21.57	21.66	21.83	20.87	20.96	21.13	15.87	15.96	16.13	21.17	21.26	21.43	
Bandwidth(MHz)	Modulation	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)		
				632000	633334	634666	632000	633334	634666	632000	633334	634666	632000	633334	634666	632000	633334	634666
				3480	3500	3520	3480	3500	3520	3480	3500	3520	3480	3500	3520	3480	3500	3520
60	BPSK	1	0	23.11	23.35	23.36	22.31	22.55	22.56	21.61	21.85	21.86	16.61	16.85	16.86	21.91	22.15	22.16
		1	1	23.67	23.86	23.81	22.87	23.06	23.01	22.17	22.36	22.31	17.17	17.36	17.31	22.47	22.66	22.61
		1	160	23.85	23.54	23.59	23.05	22.74	22.79	22.35	22.04	22.09	17.35	17.04	17.09	22.65	22.34	22.39
		1	161	23.23	23.01	23.19	22.43	22.21	22.39	21.73	21.51	21.69	16.73	16.51	16.69	22.03	21.81	21.99
		81	40	23.89	23.66	23.83	23.09	22.86	23.03	22.39	22.16	22.33	17.39	17.16	17.33	22.69	22.46	22.63
		162	0	23.72	23.96	23.85	22.92	23.16	23.05	22.22	22.46	22.35	17.22	17.46	17.35	22.52	22.76	22.65
	QPSK	1	0	23.13	23.30	23.29	22.33	22.50	22.49	21.63	21.80	21.79	16.63	16.80	16.79	21.93	22.10	22.09
		1	1	23.62	23.61	23.94	22.82	22.81	23.14	22.12	22.11	22.44	17.12	17.11	17.44	22.42	22.41	22.74
		1	160	23.56	23.70	23.77	22.76	22.90	22.97	22.06	22.20	22.27	17.06	17.20	17.27	22.36	22.50	22.57
		1	161	22.95	23.23	23.26	22.15	22.43	22.46	21.45	21.73	21.76	16.45	16.73	16.76	21.75	22.03	22.06
		81	40	23.84	23.80	23.87	23.04	23.00	23.07	22.34	22.30	22.37	17.34	17.30	17.37	22.64	22.60	22.67



		162	0	23.66	23.83	23.81	22.86	23.03	23.01	22.16	22.33	22.31	17.16	17.33	17.31	22.46	22.63	22.61	
16QAM		1	0	23.21	23.29	23.28	22.41	22.49	22.48	21.71	21.79	21.78	16.71	16.79	16.78	22.01	22.09	22.08	
		1	1	23.71	23.59	23.75	22.91	22.79	22.95	22.21	22.09	22.25	17.21	17.09	17.25	22.51	22.39	22.55	
		1	160	23.34	23.34	23.69	22.54	22.54	22.89	21.84	21.84	22.19	16.84	16.84	17.19	22.14	22.14	22.49	
		1	161	23.05	22.86	23.10	22.25	22.06	22.30	21.55	21.36	21.60	16.55	16.36	16.60	21.85	21.66	21.90	
		81	40	23.84	23.87	23.85	23.04	23.07	23.05	22.34	22.37	22.35	17.34	17.37	17.35	22.64	22.67	22.65	
		162	0	23.81	23.64	23.82	23.01	22.84	23.02	22.31	22.14	22.32	17.31	17.14	17.32	22.61	22.44	22.62	
64QAM		1	0	22.96	23.05	23.37	22.16	22.25	22.57	21.46	21.55	21.87	16.46	16.55	16.87	21.76	21.85	22.17	
		1	1	23.46	23.64	23.64	22.66	22.84	22.84	21.96	22.14	22.14	16.96	17.14	17.14	22.26	22.44	22.44	
		1	160	23.65	23.32	23.33	22.85	22.52	22.53	22.15	21.82	21.83	17.15	16.82	16.83	22.45	22.12	22.13	
		1	161	22.81	22.78	23.00	22.01	21.98	22.20	21.31	21.28	21.50	16.31	16.28	16.50	21.61	21.58	21.80	
		81	40	23.92	23.62	23.80	23.12	22.82	23.00	22.42	22.12	22.30	17.42	17.12	17.30	22.72	22.42	22.60	
		162	0	23.62	23.78	23.80	22.82	22.98	23.00	22.12	22.28	22.30	17.12	17.28	17.30	22.42	22.58	22.60	
256QAM		1	0	22.29	22.21	22.46	21.49	21.41	21.66	20.79	20.71	20.96	15.79	15.71	15.96	21.09	21.01	21.26	
		1	1	22.29	22.08	22.52	21.49	21.28	21.72	20.79	20.58	21.02	15.79	15.58	16.02	21.09	20.88	21.32	
		1	160	22.30	22.05	22.50	21.50	21.25	21.70	20.80	20.55	21.00	15.80	15.55	16.00	21.10	20.85	21.30	
		1	161	22.22	22.07	22.43	21.42	21.27	21.63	20.72	20.57	20.93	15.72	15.57	15.93	21.02	20.87	21.23	
		81	40	22.28	22.08	22.37	21.48	21.28	21.57	20.78	20.58	20.87	15.78	15.58	15.87	21.08	20.88	21.17	
		162	0	22.38	22.07	22.36	21.58	21.27	21.56	20.88	20.57	20.86	15.88	15.57	15.86	21.18	20.87	21.16	
Bandwidth(MHz)	Modulation	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)			
				632666	633334	633998	632666	633334	633998	632666	633334	633998	632666	633334	633998	632666	633334	633998	
				3490	3500	3510	3490	3500	3510	3490	3500	3510	3490	3500	3510	3490	3500	3510	
80	BPSK		1	0	23.09	22.80	22.84	22.29	22.00	22.04	21.59	21.30	21.34	16.59	16.30	16.34	21.89	21.60	21.64
			1	1	23.67	23.54	23.63	22.87	22.74	22.83	22.17	22.04	22.13	17.17	17.04	17.13	22.47	22.34	22.43
			1	215	23.50	23.39	23.37	22.70	22.59	22.57	22.00	21.89	21.87	17.00	16.89	16.87	22.30	22.19	22.17
			1	216	22.89	22.59	22.80	22.09	21.79	22.00	21.39	21.09	21.30	16.39	16.09	16.30	21.69	21.39	21.60
			108	54	23.57	23.58	23.74	22.77	22.78	22.94	22.07	22.08	22.24	17.07	17.08	17.24	22.37	22.38	22.54
			216	0	23.54	23.56	23.40	22.74	22.76	22.60	22.04	22.06	21.90	17.04	17.06	16.90	22.34	22.36	22.20
	QPSK		1	0	23.11	23.02	23.04	22.31	22.22	22.24	21.61	21.52	21.54	16.61	16.52	16.54	21.91	21.82	21.84
			1	1	23.47	23.63	23.59	22.67	22.83	22.79	21.97	22.13	22.09	16.97	17.13	17.09	22.27	22.43	22.39
			1	215	23.24	23.20	23.61	22.44	22.40	22.81	21.74	21.70	22.11	16.74	16.70	17.11	22.04	22.00	22.41
			1	216	22.95	22.80	22.78	22.15	22.00	21.98	21.45	21.30	21.28	16.45	16.30	16.28	21.75	21.60	21.58
			108	54	23.56	23.37	23.72	22.76	22.57	22.92	22.06	21.87	22.22	17.06	16.87	17.22	22.36	22.17	22.52
			216	0	23.34	23.55	23.41	22.54	22.75	22.61	21.84	22.05	21.91	16.84	17.05	16.91	22.14	22.35	22.21
	16QAM		1	0	22.67	22.96	23.18	21.87	22.16	22.38	21.17	21.46	21.68	16.17	16.46	16.68	21.47	21.76	21.98
			1	1	23.46	23.17	23.66	22.66	22.37	22.86	21.96	21.67	22.16	16.96	16.67	17.16	22.26	21.97	22.46
			1	215	23.28	23.27	23.59	22.48	22.47	22.79	21.78	21.77	22.09	16.78	16.77	17.09	22.08	22.07	22.39
			1	216	22.55	22.75	22.89	21.75	21.95	22.09	21.05	21.25	21.39	16.05	16.25	16.39	21.35	21.55	21.69
			108	54	23.29	23.59	23.48	22.49	22.79	22.68	21.79	22.09	21.98	16.79	17.09	16.98	22.09	22.39	22.28
			216	0	23.39	23.39	23.70	22.59	22.59	22.90	21.89	21.89	22.20	16.89	16.89	17.20	22.19	22.19	22.50
	64QAM		1	0	23.19	22.99	23.03	22.39	22.19	22.23	21.69	21.49	21.53	16.69	16.49	16.53	21.99	21.79	21.83
			1	1	23.34	23.51	23.49	22.54	22.71	22.69	21.84	22.01	21.99	16.84	17.01	16.99	22.14	22.31	22.29



Bandwidth(MHz)	Modulation	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)			
				N/A	633334	N/A	N/A	633334	N/A	N/A	633334	N/A	N/A	633334	N/A	N/A	633334	N/A	N/A
				N/A	3500	N/A	N/A	3500	N/A	N/A	3500	N/A	N/A	3500	N/A	N/A	3500	N/A	N/A
				N/A	3500	N/A	N/A	3500	N/A	N/A	3500	N/A	N/A	3500	N/A	N/A	3500	N/A	N/A
100	BPSK	1	0	/	23.35	/	/	22.55	/	/	21.85	/	/	16.85	/	/	22.15	/	
		1	1	/	23.80	/	/	23.00	/	/	22.30	/	/	17.30	/	/	22.60	/	
		1	271	/	23.81	/	/	23.01	/	/	22.31	/	/	17.31	/	/	22.61	/	
		1	272	/	23.33	/	/	22.53	/	/	21.83	/	/	16.83	/	/	22.13	/	
		135	67	/	23.83	/	/	23.03	/	/	22.33	/	/	17.33	/	/	22.63	/	
		270	0	/	23.74	/	/	22.94	/	/	22.24	/	/	17.24	/	/	22.54	/	
	QPSK	1	0	/	23.30	/	/	22.50	/	/	21.80	/	/	16.80	/	/	22.10	/	
		1	1	/	23.84	/	/	23.04	/	/	22.34	/	/	17.34	/	/	22.64	/	
		1	271	/	23.81	/	/	23.01	/	/	22.31	/	/	17.31	/	/	22.61	/	
		1	272	/	23.09	/	/	22.29	/	/	21.59	/	/	16.59	/	/	21.89	/	
		135	67	/	23.97	/	/	23.17	/	/	22.47	/	/	17.47	/	/	22.77	/	
		270	0	/	24.01	/	/	23.21	/	/	22.51	/	/	17.51	/	/	22.81	/	
	16QAM	1	0	/	23.43	/	/	22.63	/	/	21.93	/	/	16.93	/	/	22.23	/	
		1	1	/	23.86	/	/	23.06	/	/	22.36	/	/	17.36	/	/	22.66	/	
		1	271	/	23.33	/	/	22.53	/	/	21.83	/	/	16.83	/	/	22.13	/	
		1	272	/	22.87	/	/	22.07	/	/	21.37	/	/	16.37	/	/	21.67	/	
		135	67	/	24.23	/	/	23.43	/	/	22.73	/	/	17.73	/	/	23.03	/	
		270	0	/	24.02	/	/	23.22	/	/	22.52	/	/	17.52	/	/	22.82	/	
	64QAM	1	0	/	23.58	/	/	22.78	/	/	22.08	/	/	17.08	/	/	22.38	/	
		1	1	/	23.93	/	/	23.13	/	/	22.43	/	/	17.43	/	/	22.73	/	
		1	271	/	23.76	/	/	22.96	/	/	22.26	/	/	17.26	/	/	22.56	/	
		1	272	/	23.24	/	/	22.44	/	/	21.74	/	/	16.74	/	/	22.04	/	
		135	67	/	24.03	/	/	23.23	/	/	22.53	/	/	17.53	/	/	22.83	/	
		270	0	/	23.80	/	/	23.00	/	/	22.30	/	/	17.30	/	/	22.60	/	
	256QAM	1	0	/	22.55	/	/	21.75	/	/	21.05	/	/	16.05	/	/	21.35	/	
		1	1	/	22.60	/	/	21.80	/	/	21.10	/	/	16.10	/	/	21.40	/	
		1	271	/	22.33	/	/	21.53	/	/	20.83	/	/	15.83	/	/	21.13	/	
		1	272	/	22.27	/	/	21.47	/	/	20.77	/	/	15.77	/	/	21.07	/	
135		67	/	22.49	/	/	21.69	/	/	20.99	/	/	15.99	/	/	21.29	/		



		270	0	/	22.51	/	/	21.71	/	/	21.01	/	/	16.01	/	/	21.31	/
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DC_5A-n77 subset 1A																						
Bandwidth (MHz)	Modulation	Modulation (LTE)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)					
					630666	633334	635998	630666	633334	635998	630666	633334	635998	630666	633334	635998	630666	633334	635998	630666	633334	635998
					3460	3500	3540	3460	3500	3540	3460	3500	3540	3460	3500	3540	3460	3500	3540	3460	3500	3540
20	BPSK	Band5-5MH	1	0	22.61	22.45	22.40	21.81	21.65	21.60	21.11	20.95	20.90	16.11	15.95	15.90	21.41	21.25	21.20			
			1	1	22.93	22.98	23.05	22.13	22.18	22.25	21.43	21.48	21.55	16.43	16.48	16.55	21.73	21.78	21.85			
			1	49	23.17	23.50	23.26	22.37	22.70	22.46	21.67	22.00	21.76	16.67	17.00	16.76	21.97	22.30	22.06			
			1	50	22.52	22.71	22.61	21.72	21.91	21.81	21.02	21.21	21.11	16.02	16.21	16.11	21.32	21.51	21.41			
			25	12	23.03	23.15	23.08	22.23	22.35	22.28	21.53	21.65	21.58	16.53	16.65	16.58	21.83	21.95	21.88			
			50	0	23.11	23.18	23.20	22.31	22.38	22.40	21.61	21.68	21.70	16.61	16.68	16.70	21.91	21.98	22.00			
	QPSK		1	0	22.57	22.55	22.42	21.77	21.75	21.62	21.07	21.05	20.92	16.07	16.05	15.92	21.37	21.35	21.22			
			1	1	23.05	22.93	23.07	22.25	22.13	22.27	21.55	21.43	21.57	16.55	16.43	16.57	21.85	21.73	21.87			
			1	49	23.04	23.15	23.00	22.24	22.35	22.20	21.54	21.65	21.50	16.54	16.65	16.50	21.84	21.95	21.80			
			1	50	22.58	22.70	22.58	21.78	21.90	21.78	21.08	21.20	21.08	16.08	16.20	16.08	21.38	21.50	21.38			
			25	12	23.03	23.05	23.03	22.23	22.25	22.23	21.53	21.55	21.53	16.53	16.55	16.53	21.83	21.85	21.83			
			50	0	23.09	23.14	23.16	22.29	22.34	22.36	21.59	21.64	21.66	16.59	16.64	16.66	21.89	21.94	21.96			
	16QAM		1	0	22.44	22.56	22.44	21.64	21.76	21.64	20.94	21.06	20.94	15.94	16.06	15.94	21.24	21.36	21.24			
			1	1	23.08	22.89	22.99	22.28	22.09	22.19	21.58	21.39	21.49	16.58	16.39	16.49	21.88	21.69	21.79			
			1	49	23.08	23.01	22.60	22.28	22.21	21.80	21.58	21.51	21.10	16.58	16.51	16.10	21.88	21.81	21.40			
			1	50	22.61	22.54	22.49	21.81	21.74	21.69	21.11	21.04	20.99	16.11	16.04	15.99	21.41	21.34	21.29			
			25	12	22.91	23.11	23.09	22.11	22.31	22.29	21.41	21.61	21.59	16.41	16.61	16.59	21.71	21.91	21.89			
			50	0	23.05	23.17	23.14	22.25	22.37	22.34	21.55	21.67	21.64	16.55	16.67	16.64	21.85	21.97	21.94			
	64QAM		1	0	22.36	22.15	22.22	21.56	21.35	21.42	20.86	20.65	20.72	15.86	15.65	15.72	21.16	20.95	21.02			
			1	1	22.98	22.81	22.97	22.18	22.01	22.17	21.48	21.31	21.47	16.48	16.31	16.47	21.78	21.61	21.77			
			1	49	22.95	23.00	23.24	22.15	22.20	22.44	21.45	21.50	21.74	16.45	16.50	16.74	21.75	21.80	22.04			
			1	50	22.54	22.48	22.70	21.74	21.68	21.90	21.04	20.98	21.20	16.04	15.98	16.20	21.34	21.28	21.50			
			25	12	23.04	23.13	23.08	22.24	22.33	22.28	21.54	21.63	21.58	16.54	16.63	16.58	21.84	21.93	21.88			
			50	0	23.15	23.21	23.15	22.35	22.41	22.35	21.65	21.71	21.65	16.65	16.71	16.65	21.95	22.01	21.95			
256QAM	1	0	21.48	21.36	21.49	20.68	20.56	20.69	19.98	19.86	19.99	14.98	14.86	14.99	20.28	20.16	20.29					
	1	1	21.49	21.37	21.54	20.69	20.57	20.74	19.99	19.87	20.04	14.99	14.87	15.04	20.29	20.17	20.34					
	1	49	21.50	21.50	21.73	20.70	20.70	20.93	20.00	20.00	20.23	15.00	15.00	15.23	20.30	20.30	20.53					
	1	50	21.47	21.60	21.61	20.67	20.80	20.81	19.97	20.10	20.11	14.97	15.10	15.11	20.27	20.40	20.41					
	25	12	21.44	21.63	21.55	20.64	20.83	20.75	19.94	20.13	20.05	14.94	15.13	15.05	20.24	20.43	20.35					
	50	0	21.54	21.58	21.55	20.74	20.78	20.75	20.04	20.08	20.05	15.04	15.08	15.05	20.34	20.38	20.35					
Bandwidth (MHz)	Modulation	Modulation (LTE)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)					
					631332	633334	635332	631332	633334	635332	631332	633334	635332	631332	633334	635332	631332	633334	635332			
					3470	3500	3530	3470	3500	3530	3470	3500	3530	3470	3500	3530	3470	3500	3530			
40	BPSK	Band5-5MH	1	0	22.55	22.38	22.35	21.75	21.58	21.55	21.05	20.88	20.85	16.05	15.88	15.85	21.35	21.18	21.15			



Bandwidth (MHz)	Modulation	Modulation (LTE)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)				
					632000	633334	634666	632000	633334	634666	632000	633334	634666	632000	633334	634666	632000	633334	634666		
					3480	3500	3520	3480	3500	3520	3480	3500	3520	3480	3500	3520	3480	3500	3520		
60	QPSK	z-836.5MH	0	1	1	22.88	22.95	23.01	22.08	22.15	22.21	21.38	21.45	21.51	16.38	16.45	16.51	21.68	21.75	21.81	
				z-QPSK-1#	1	104	23.11	23.19	23.21	22.31	22.39	22.41	21.61	21.69	21.71	16.61	16.69	16.71	21.91	21.99	22.01
				1	105	22.47	22.68	22.57	21.67	21.88	21.77	20.97	21.18	21.07	15.97	16.18	16.07	21.27	21.48	21.37	
				50	25	22.98	23.12	23.04	22.18	22.32	22.24	21.48	21.62	21.54	16.48	16.62	16.54	21.78	21.92	21.84	
				100	0	23.05	23.14	23.17	22.25	22.34	22.37	21.55	21.64	21.67	16.55	16.64	16.67	21.85	21.94	21.97	
		1	0	22.57	22.49	22.38	21.77	21.69	21.58	21.07	20.99	20.88	16.07	15.99	15.88	21.37	21.29	21.18			
		1	1	22.99	22.88	23.01	22.19	22.08	22.21	21.49	21.38	21.51	16.49	16.38	16.51	21.79	21.68	21.81			
		1	104	22.99	23.11	22.95	22.19	22.31	22.15	21.49	21.61	21.45	16.49	16.61	16.45	21.79	21.91	21.75			
		1	105	22.53	22.64	22.53	21.73	21.84	21.73	21.03	21.14	21.03	16.03	16.14	16.03	21.33	21.44	21.33			
		50	25	22.98	23.02	22.99	22.18	22.22	22.19	21.48	21.52	21.49	16.48	16.52	16.49	21.78	21.82	21.79			
	100	0	23.03	23.10	23.11	22.23	22.30	22.31	21.53	21.60	21.61	16.53	16.60	16.61	21.83	21.90	21.91				
	16QAM	1	0	22.39	22.53	22.40	21.59	21.73	21.60	20.89	21.03	20.90	15.89	16.03	15.90	21.19	21.33	21.20			
		1	1	23.03	22.86	22.95	22.23	22.06	22.15	21.53	21.36	21.45	16.53	16.36	16.45	21.83	21.66	21.75			
		1	104	23.02	22.96	22.54	22.22	22.16	21.74	21.52	21.46	21.04	16.52	16.46	16.04	21.82	21.76	21.34			
		1	105	22.56	22.50	22.44	21.76	21.70	21.64	21.06	21.00	20.94	16.06	16.00	15.94	21.36	21.30	21.24			
		50	25	22.86	23.05	23.04	22.06	22.25	22.24	21.36	21.55	21.54	16.36	16.55	16.54	21.66	21.85	21.84			
	100	0	23.00	23.14	23.10	22.20	22.34	22.30	21.50	21.64	21.60	16.50	16.64	16.60	21.80	21.94	21.90				
	64QAM	1	0	22.30	22.08	22.17	21.50	21.28	21.37	20.80	20.58	20.67	15.80	15.58	15.67	21.10	20.88	20.97			
		1	1	22.93	22.78	22.93	22.13	21.98	22.13	21.43	21.28	21.43	16.43	16.28	16.43	21.73	21.58	21.73			
		1	104	22.89	22.96	23.19	22.09	22.16	22.39	21.39	21.46	21.69	16.39	16.46	16.69	21.69	21.76	21.99			
1		105	22.49	22.45	22.66	21.69	21.65	21.86	20.99	20.95	21.16	15.99	15.95	16.16	21.29	21.25	21.46				
50		25	22.99	23.10	23.04	22.19	22.30	22.24	21.49	21.60	21.54	16.49	16.60	16.54	21.79	21.90	21.84				
100	0	23.09	23.17	23.12	22.29	22.37	22.32	21.59	21.67	21.62	16.59	16.67	16.62	21.89	21.97	21.92					
256QA M	1	0	21.48	21.30	21.45	20.68	20.50	20.65	19.98	19.80	19.95	14.98	14.80	14.95	20.28	20.10	20.25				
	1	1	21.43	21.32	21.48	20.63	20.52	20.68	19.93	19.82	19.98	14.93	14.82	14.98	20.23	20.12	20.28				
	1	104	21.45	21.46	21.68	20.65	20.66	20.88	19.95	19.96	20.18	14.95	14.96	15.18	20.25	20.26	20.48				
	1	105	21.42	21.54	21.56	20.62	20.74	20.76	19.92	20.04	20.06	14.92	15.04	15.06	20.22	20.34	20.36				
	50	25	21.39	21.60	21.51	20.59	20.80	20.71	19.89	20.10	20.01	14.89	15.10	15.01	20.19	20.40	20.31				
100	0	21.48	21.54	21.50	20.68	20.74	20.70	19.98	20.04	20.00	14.98	15.04	15.00	20.28	20.34	20.30					
BPSK	Band5-5MH	0	1	0	22.49	22.29	22.28	21.69	21.49	21.48	20.99	20.79	20.78	15.99	15.79	15.78	21.29	21.09	21.08		
			1	1	22.81	22.89	22.93	22.01	22.09	22.13	21.31	21.39	21.43	16.31	16.39	16.43	21.61	21.69	21.73		
			1	160	23.15	23.09	23.12	22.35	22.29	22.32	21.65	21.59	21.62	16.65	16.59	16.62	21.95	21.89	21.92		
			1	161	22.40	22.59	22.49	21.60	21.79	21.69	20.90	21.09	20.99	15.90	16.09	15.99	21.20	21.39	21.29		
			z-836.5MH	81	40	22.90	23.02	22.95	22.10	22.22	22.15	21.40	21.52	21.45	16.40	16.52	16.45	21.70	21.82	21.75	
	z-QPSK-1#	162	0	22.97	23.06	23.08	22.17	22.26	22.28	21.47	21.56	21.58	16.47	16.56	16.58	21.77	21.86	21.88			
	QPSK	0	1	0	22.50	22.40	22.28	21.70	21.60	21.48	21.00	20.90	20.78	16.00	15.90	15.78	21.30	21.20	21.08		
			1	1	22.89	22.81	22.94	22.09	22.01	22.14	21.39	21.31	21.44	16.39	16.31	16.44	21.69	21.61	21.74		
			1	160	22.92	23.03	22.88	22.12	22.23	22.08	21.42	21.53	21.38	16.42	16.53	16.38	21.72	21.83	21.68		
			1	161	22.45	22.55	22.45	21.65	21.75	21.65	20.95	21.05	20.95	15.95	16.05	15.95	21.25	21.35	21.25		



Bandwidth (MHz)	Modulation	Modulation (LTE)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)			
					632666	633334	633998	632666	633334	633998	632666	633334	633998	632666	633334	633998	632666	633334	633998	
80	16QAM		81	40	22.90	22.95	22.91	22.10	22.15	22.11	21.40	21.45	21.41	16.40	16.45	16.41	21.70	21.75	21.71	
			162	0	22.95	23.00	23.02	22.15	22.20	22.22	21.45	21.50	21.52	16.45	16.50	16.52	21.75	21.80	21.82	
			1	0	22.32	22.44	22.32	21.52	21.64	21.52	20.82	20.94	20.82	15.82	15.94	15.82	21.12	21.24	21.12	
			1	1	22.95	22.76	22.86	22.15	21.96	22.06	21.45	21.26	21.36	16.45	16.26	16.36	21.75	21.56	21.66	
			1	160	22.92	22.89	22.47	22.12	22.09	21.67	21.42	21.39	20.97	16.42	16.39	15.97	21.72	21.69	21.27	
			1	161	22.49	22.42	22.37	21.69	21.62	21.57	20.99	20.92	20.87	15.99	15.92	15.87	21.29	21.22	21.17	
			81	40	22.78	22.96	22.96	21.98	22.16	22.16	21.28	21.46	21.46	16.28	16.46	16.46	21.58	21.76	21.76	
			162	0	22.92	23.07	23.02	22.12	22.27	22.22	21.42	21.57	21.52	16.42	16.57	16.52	21.72	21.87	21.82	
			1	0	22.24	21.99	22.10	21.44	21.19	21.30	20.74	20.49	20.60	15.74	15.49	15.60	21.04	20.79	20.90	
			1	1	22.86	22.72	22.85	22.06	21.92	22.05	21.36	21.22	21.35	16.36	16.22	16.35	21.66	21.52	21.65	
			1	160	22.81	22.86	23.10	22.01	22.06	22.30	21.31	21.36	21.60	16.31	16.36	16.60	21.61	21.66	21.90	
			1	161	22.42	22.36	22.58	21.62	21.56	21.78	20.92	20.86	21.08	15.92	15.86	16.08	21.22	21.16	21.38	
	81	40	22.91	23.00	22.95	22.11	22.20	22.15	21.41	21.50	21.45	16.41	16.50	16.45	21.71	21.80	21.75			
	162	0	23.01	23.09	23.03	22.21	22.29	22.23	21.51	21.59	21.53	16.51	16.59	16.53	21.81	21.89	21.83			
	1	0	21.41	21.21	21.35	20.61	20.41	20.55	19.91	19.71	19.85	14.91	14.71	14.85	20.21	20.01	20.15			
	1	1	21.33	21.25	21.41	20.53	20.45	20.61	19.83	19.75	19.91	14.83	14.75	14.91	20.13	20.05	20.21			
	1	160	21.38	21.38	21.61	20.58	20.58	20.81	19.88	19.88	20.11	14.88	14.88	15.11	20.18	20.18	20.41			
	1	161	21.34	21.45	21.48	20.54	20.65	20.68	19.84	19.95	19.98	14.84	14.95	14.98	20.14	20.25	20.28			
	81	40	21.31	21.53	21.43	20.51	20.73	20.63	19.81	20.03	19.93	14.81	15.03	14.93	20.11	20.33	20.23			
	162	0	21.40	21.44	21.41	20.60	20.64	20.61	19.90	19.94	19.91	14.90	14.94	14.91	20.20	20.24	20.21			
	80	BPSK	Band5-5MHz z-836.5MHz z-QPSK-1# 0	1	0	22.77	22.56	22.56	21.97	21.76	21.76	21.27	21.06	21.06	16.27	16.06	16.06	21.57	21.36	21.36
				1	1	23.11	23.16	23.22	22.31	22.36	22.42	21.61	21.66	21.72	16.61	16.66	16.72	21.91	21.96	22.02
				1	215	23.32	23.39	23.40	22.52	22.59	22.60	21.82	21.89	21.90	16.82	16.89	16.90	22.12	22.19	22.20
				1	216	22.68	22.85	22.76	21.88	22.05	21.96	21.18	21.35	21.26	16.18	16.35	16.26	21.48	21.65	21.56
108				54	23.19	23.29	23.23	22.39	22.49	22.43	21.69	21.79	21.73	16.69	16.79	16.73	21.99	22.09	22.03	
216				0	23.25	23.32	23.35	22.45	22.52	22.55	21.75	21.82	21.85	16.75	16.82	16.85	22.05	22.12	22.15	
1				0	22.78	22.66	22.55	21.98	21.86	21.75	21.28	21.16	21.05	16.28	16.16	16.05	21.58	21.46	21.35	
1				1	23.18	23.08	23.20	22.38	22.28	22.40	21.68	21.58	21.70	16.68	16.58	16.70	21.98	21.88	22.00	
1				215	23.19	23.32	23.15	22.39	22.52	22.35	21.69	21.82	21.65	16.69	16.82	16.65	21.99	22.12	21.95	
1				216	22.74	22.83	22.74	21.94	22.03	21.94	21.24	21.33	21.24	16.24	16.33	16.24	21.54	21.63	21.54	
108				54	23.18	23.22	23.19	22.38	22.42	22.39	21.68	21.72	21.69	16.68	16.72	16.69	21.98	22.02	21.99	
216				0	23.23	23.29	23.30	22.43	22.49	22.50	21.73	21.79	21.80	16.73	16.79	16.80	22.03	22.09	22.10	
1		0	22.60	22.70	22.59	21.80	21.90	21.79	21.10	21.20	21.09	16.10	16.20	16.09	21.40	21.50	21.39			
1		1	23.24	23.03	23.14	22.44	22.23	22.34	21.74	21.53	21.64	16.74	16.53	16.64	22.04	21.83	21.94			
1		215	23.21	23.16	22.73	22.41	22.36	21.93	21.71	21.66	21.23	16.71	16.66	16.23	22.01	21.96	21.53			
1		216	22.76	22.71	22.64	21.96	21.91	21.84	21.26	21.21	21.14	16.26	16.21	16.14	21.56	21.51	21.44			
108		54	23.07	23.24	23.25	22.27	22.44	22.45	21.57	21.74	21.75	16.57	16.74	16.75	21.87	22.04	22.05			
216		0	23.20	23.34	23.30	22.40	22.54	22.50	21.70	21.84	21.80	16.70	16.84	16.80	22.00	22.14	22.10			
1		0	22.52	22.26	22.38	21.72	21.46	21.58	21.02	20.76	20.88	16.02	15.76	15.88	21.32	21.06	21.18			
64QAM				1	0	22.52	22.26	22.38	21.72	21.46	21.58	21.02	20.76	20.88	16.02	15.76	15.88	21.32	21.06	21.18



Bandwidth (MHz)	Modulation	Modulation (LTE)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)					
					N/A	633334	N/A	N/A	633334	N/A	N/A	633334	N/A	N/A	633334	N/A	N/A	633334	N/A	N/A	633334	N/A
					N/A	3500	N/A	N/A	3500	N/A	N/A	3500	N/A	N/A	3500	N/A	N/A	3500	N/A	N/A	3500	N/A
100	256QAM	M	1	1	23.16	22.99	23.14	22.36	22.19	22.34	21.66	21.49	21.64	16.66	16.49	16.64	21.96	21.79	21.94			
			1	215	23.10	23.16	23.38	22.30	22.36	22.58	21.60	21.66	21.88	16.60	16.66	16.88	21.90	21.96	22.18			
			1	216	22.70	22.62	22.85	21.90	21.82	22.05	21.20	21.12	21.35	16.20	16.12	16.35	21.50	21.42	21.65			
			108	54	23.20	23.27	23.23	22.40	22.47	22.43	21.70	21.77	21.73	16.70	16.77	16.73	22.00	22.07	22.03			
			216	0	23.29	23.35	23.30	22.49	22.55	22.50	21.79	21.85	21.80	16.79	16.85	16.80	22.09	22.15	22.10			
			1	0	21.69	21.47	21.62	20.89	20.67	20.82	20.19	19.97	20.12	15.19	14.97	15.12	20.49	20.27	20.42			
			1	1	21.62	21.52	21.67	20.82	20.72	20.87	20.12	20.02	20.17	15.12	15.02	15.17	20.42	20.32	20.47			
			1	215	21.65	21.67	21.88	20.85	20.87	21.08	20.15	20.17	20.38	15.15	15.17	15.38	20.45	20.47	20.68			
			1	216	21.63	21.73	21.77	20.83	20.93	20.97	20.13	20.23	20.27	15.13	15.23	15.27	20.43	20.53	20.57			
			108	54	21.59	21.80	21.71	20.79	21.00	20.91	20.09	20.30	20.21	15.09	15.30	15.21	20.39	20.60	20.51			
	216	0	21.68	21.73	21.69	20.88	20.93	20.89	20.18	20.23	20.19	15.18	15.23	15.19	20.48	20.53	20.49					
	BPSK	QPSK	0	1	0	/	22.77	/	/	21.97	/	/	21.27	/	/	16.27	/	/	21.57	/		
				1	1	/	23.00	/	/	22.20	/	/	21.50	/	/	16.50	/	/	21.80	/		
				1	271	/	23.14	/	/	22.34	/	/	21.64	/	/	16.64	/	/	21.94	/		
				1	272	/	22.87	/	/	22.07	/	/	21.37	/	/	16.37	/	/	21.67	/		
				135	67	/	23.14	/	/	22.34	/	/	21.64	/	/	16.64	/	/	21.94	/		
				270	0	/	23.33	/	/	22.53	/	/	21.83	/	/	16.83	/	/	22.13	/		
				1	0	/	22.72	/	/	21.92	/	/	21.22	/	/	16.22	/	/	21.52	/		
				1	1	/	23.03	/	/	22.23	/	/	21.53	/	/	16.53	/	/	21.83	/		
				1	271	/	23.43	/	/	22.63	/	/	21.93	/	/	16.93	/	/	22.23	/		
1				272	/	22.96	/	/	22.16	/	/	21.46	/	/	16.46	/	/	21.76	/			
135		67	/	23.13	/	/	22.33	/	/	21.63	/	/	16.63	/	/	21.93	/					
270		0	/	23.10	/	/	22.30	/	/	21.60	/	/	16.60	/	/	21.90	/					
16QAM		Band5-5MH	z-836.5MH	1	0	/	22.94	/	/	22.14	/	/	21.44	/	/	16.44	/	/	21.74	/		
				1	1	/	23.45	/	/	22.65	/	/	21.95	/	/	16.95	/	/	22.25	/		
				1	271	/	24.21	/	/	23.41	/	/	22.71	/	/	17.71	/	/	23.01	/		
				1	272	/	23.70	/	/	22.90	/	/	22.20	/	/	17.20	/	/	22.50	/		
				135	67	/	23.31	/	/	22.51	/	/	21.81	/	/	16.81	/	/	22.11	/		
		270	0	/	23.18	/	/	22.38	/	/	21.68	/	/	16.68	/	/	21.98	/				
		64QAM	0	1	0	/	22.36	/	/	21.56	/	/	20.86	/	/	15.86	/	/	21.16	/		
				1	1	/	23.12	/	/	22.32	/	/	21.62	/	/	16.62	/	/	21.92	/		
	1			271	/	23.31	/	/	22.51	/	/	21.81	/	/	16.81	/	/	22.11	/			
	1			272	/	22.86	/	/	22.06	/	/	21.36	/	/	16.36	/	/	21.66	/			
135	67			/	23.31	/	/	22.51	/	/	21.81	/	/	16.81	/	/	22.11	/				
270	0	/	23.36	/	/	22.56	/	/	21.86	/	/	16.86	/	/	22.16	/						
256QAM	M	1	0	/	21.53	/	/	20.73	/	/	20.03	/	/	15.03	/	/	20.33	/				
		1	1	/	21.68	/	/	20.88	/	/	20.18	/	/	15.18	/	/	20.48	/				
		1	271	/	21.96	/	/	21.16	/	/	20.46	/	/	15.46	/	/	20.76	/				
		1	272	/	21.94	/	/	21.14	/	/	20.44	/	/	15.44	/	/	20.74	/				



			135	67	/	21.66	/	/	20.86	/	/	20.16	/	/	15.16	/	/	20.46	/
			270	0	/	21.78	/	/	20.98	/	/	20.28	/	/	15.28	/	/	20.58	/

NR n77 subset 2																		
Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)		
				647334	656000	664666	647334	656000	664666	647334	656000	664666	647334	656000	664666	647334	656000	664666
				3710	3840	3970	3710	3840	3970	3710	3840	3970	3710	3840	3970	3710	3840	3970
20	BPSK	1	0	22.51	22.40	22.58	21.71	21.60	21.78	21.01	20.90	21.08	16.01	15.90	16.08	21.31	21.20	21.38
		1	1	23.00	23.08	22.93	22.20	22.28	22.13	21.50	21.58	21.43	16.50	16.58	16.43	21.80	21.88	21.73
		1	49	23.04	22.98	23.01	22.24	22.18	22.21	21.54	21.48	21.51	16.54	16.48	16.51	21.84	21.78	21.81
		1	50	22.53	22.34	22.22	21.73	21.54	21.42	21.03	20.84	20.72	16.03	15.84	15.72	21.33	21.14	21.02
		25	12	23.06	23.10	23.13	22.26	22.30	22.33	21.56	21.60	21.63	16.56	16.60	16.63	21.86	21.90	21.93
		50	0	23.11	22.85	22.79	22.31	22.05	21.99	21.61	21.35	21.29	16.61	16.35	16.29	21.91	21.65	21.59
	QPSK	1	0	22.35	22.32	22.20	21.55	21.52	21.40	20.85	20.82	20.70	15.85	15.82	15.70	21.15	21.12	21.00
		1	1	22.91	23.03	23.13	22.11	22.23	22.33	21.41	21.53	21.63	16.41	16.53	16.63	21.71	21.83	21.93
		1	49	22.96	22.79	23.03	22.16	21.99	22.23	21.46	21.29	21.53	16.46	16.29	16.53	21.76	21.59	21.83
		1	50	22.52	22.28	22.24	21.72	21.48	21.44	21.02	20.78	20.74	16.02	15.78	15.74	21.32	21.08	21.04
		25	12	22.83	23.12	22.81	22.03	22.32	22.01	21.33	21.62	21.31	16.33	16.62	16.31	21.63	21.92	21.61
		50	0	23.04	23.09	23.12	22.24	22.29	22.32	21.54	21.59	21.62	16.54	16.59	16.62	21.84	21.89	21.92
	16QAM	1	0	22.55	22.37	22.55	21.75	21.57	21.75	21.05	20.87	21.05	16.05	15.87	16.05	21.35	21.17	21.35
		1	1	22.98	22.85	22.63	22.18	22.05	21.83	21.48	21.35	21.13	16.48	16.35	16.13	21.78	21.65	21.43
		1	49	22.80	22.77	22.80	22.00	21.97	22.00	21.30	21.27	21.30	16.30	16.27	16.30	21.60	21.57	21.60
		1	50	22.26	22.40	22.20	21.46	21.60	21.40	20.76	20.90	20.70	15.76	15.90	15.70	21.06	21.20	21.00
		25	12	23.05	23.14	23.02	22.25	22.34	22.22	21.55	21.64	21.52	16.55	16.64	16.52	21.85	21.94	21.82
		50	0	22.86	23.12	22.97	22.06	22.32	22.17	21.36	21.62	21.47	16.36	16.62	16.47	21.66	21.92	21.77
	64QAM	1	0	22.30	22.68	22.48	21.50	21.88	21.68	20.80	21.18	20.98	15.80	16.18	15.98	21.10	21.48	21.28
		1	1	22.67	22.83	22.89	21.87	22.03	22.09	21.17	21.33	21.39	16.17	16.33	16.39	21.47	21.63	21.69
		1	49	22.85	22.79	22.48	22.05	21.99	21.68	21.35	21.29	20.98	16.35	16.29	15.98	21.65	21.59	21.28
		1	50	22.27	22.22	21.92	21.47	21.42	21.12	20.77	20.72	20.42	15.77	15.72	15.42	21.07	21.02	20.72
		25	12	22.90	23.13	22.85	22.10	22.33	22.05	21.40	21.63	21.35	16.40	16.63	16.35	21.70	21.93	21.65
		50	0	21.31	21.25	21.53	20.51	20.45	20.73	19.81	19.75	20.03	14.81	14.75	15.03	20.11	20.05	20.33
256QAM	1	0	21.16	21.61	21.38	20.36	20.81	20.58	19.66	20.11	19.88	14.66	15.11	14.88	19.96	20.41	20.18	
	1	1	21.10	21.55	21.52	20.30	20.75	20.72	19.60	20.05	20.02	14.60	15.05	15.02	19.90	20.35	20.32	
	1	49	21.28	21.53	21.29	20.48	20.73	20.49	19.78	20.03	19.79	14.78	15.03	14.79	20.08	20.33	20.09	
	1	50	21.25	21.30	21.25	20.45	20.50	20.45	19.75	19.80	19.75	14.75	14.80	14.75	20.05	20.10	20.05	
	25	12	21.58	21.57	21.45	20.78	20.77	20.65	20.08	20.07	19.95	15.08	15.07	14.95	20.38	20.37	20.25	
	50	0	21.37	21.55	21.42	20.57	20.75	20.62	19.87	20.05	19.92	14.87	15.05	14.92	20.17	20.35	20.22	
Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)		
				648000	656000	664000	648000	656000	664000	648000	656000	664000	648000	656000	664000	648000	656000	664000
				3720	3840	3960	3720	3840	3960	3720	3840	3960	3720	3840	3960	3720	3840	3960
40	BPSK	1	0	22.36	22.53	22.57	21.56	21.73	21.77	20.86	21.03	21.07	15.86	16.03	16.07	21.16	21.33	21.37



		1	1	22.83	22.85	23.02	22.03	22.05	22.22	21.33	21.35	21.52	16.33	16.35	16.52	21.63	21.65	21.82
		1	104	23.15	23.20	23.14	22.35	22.40	22.34	21.65	21.70	21.64	16.65	16.70	16.64	21.95	22.00	21.94
		1	105	22.76	22.54	22.43	21.96	21.74	21.63	21.26	21.04	20.93	16.26	16.04	15.93	21.56	21.34	21.23
		50	25	23.00	23.00	22.94	22.20	22.20	22.14	21.50	21.50	21.44	16.50	16.50	16.44	21.80	21.80	21.74
		100	0	23.06	23.04	22.98	22.26	22.24	22.18	21.56	21.54	21.48	16.56	16.54	16.48	21.86	21.84	21.78
	QPSK	1	0	22.63	22.69	22.68	21.83	21.89	21.88	21.13	21.19	21.18	16.13	16.19	16.18	21.43	21.49	21.48
		1	1	23.14	23.16	23.12	22.34	22.36	22.32	21.64	21.66	21.62	16.64	16.66	16.62	21.94	21.96	21.92
		1	104	23.05	22.90	23.19	22.25	22.10	22.39	21.55	21.40	21.69	16.55	16.40	16.69	21.85	21.70	21.99
		1	105	22.71	22.51	22.77	21.91	21.71	21.97	21.21	21.01	21.27	16.21	16.01	16.27	21.51	21.31	21.57
		50	25	22.98	23.03	22.83	22.18	22.23	22.03	21.48	21.53	21.33	16.48	16.53	16.33	21.78	21.83	21.63
		100	0	23.04	23.03	22.86	22.24	22.23	22.06	21.54	21.53	21.36	16.54	16.53	16.36	21.84	21.83	21.66
	16QAM	1	0	22.58	22.72	22.61	21.78	21.92	21.81	21.08	21.22	21.11	16.08	16.22	16.11	21.38	21.52	21.41
		1	1	22.87	22.79	22.84	22.07	21.99	22.04	21.37	21.29	21.34	16.37	16.29	16.34	21.67	21.59	21.64
		1	104	22.89	22.86	22.58	22.09	22.06	21.78	21.39	21.36	21.08	16.39	16.36	16.08	21.69	21.66	21.38
		1	105	22.32	22.34	22.50	21.52	21.54	21.70	20.82	20.84	21.00	15.82	15.84	16.00	21.12	21.14	21.30
		50	25	23.07	23.01	22.79	22.27	22.21	21.99	21.57	21.51	21.29	16.57	16.51	16.29	21.87	21.81	21.59
		100	0	23.01	23.01	23.14	22.21	22.21	22.34	21.51	21.51	21.64	16.51	16.51	16.64	21.81	21.81	21.94
	64QAM	1	0	22.52	21.88	22.64	21.72	21.08	21.84	21.02	20.38	21.14	16.02	15.38	16.14	21.32	20.68	21.44
		1	1	22.83	21.79	22.46	22.03	20.99	21.66	21.33	20.29	20.96	16.33	15.29	15.96	21.63	20.59	21.26
		1	104	22.67	21.81	22.75	21.87	21.01	21.95	21.17	20.31	21.25	16.17	15.31	16.25	21.47	20.61	21.55
1		105	22.30	22.59	22.13	21.50	21.79	21.33	20.80	21.09	20.63	15.80	16.09	15.63	21.10	21.39	20.93	
50		25	23.01	22.27	22.92	22.21	21.47	22.12	21.51	20.77	21.42	16.51	15.77	16.42	21.81	21.07	21.72	
100		0	22.81	22.49	23.12	22.01	21.69	22.32	21.31	20.99	21.62	16.31	15.99	16.62	21.61	21.29	21.92	
256QAM	1	0	21.57	21.42	21.51	20.77	20.62	20.71	20.07	19.92	20.01	15.07	14.92	15.01	20.37	20.22	20.31	
	1	1	21.61	21.62	21.52	20.81	20.82	20.72	20.11	20.12	20.02	15.11	15.12	15.02	20.41	20.42	20.32	
	1	104	21.70	21.56	21.63	20.90	20.76	20.83	20.20	20.06	20.13	15.20	15.06	15.13	20.50	20.36	20.43	
	1	105	21.65	21.54	21.62	20.85	20.74	20.82	20.15	20.04	20.12	15.15	15.04	15.12	20.45	20.34	20.42	
	50	25	21.48	21.50	21.45	20.68	20.70	20.65	19.98	20.00	19.95	14.98	15.00	14.95	20.28	20.30	20.25	
	100	0	21.53	21.49	21.30	20.73	20.69	20.50	20.03	19.99	19.80	15.03	14.99	14.80	20.33	20.29	20.10	
Bandwidth(MHz)	Modulation	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)		
				648666	656000	663334	648666	656000	663334	648666	656000	663334	648666	656000	663334	648666	656000	663334
				3730	3840	3950	3730	3840	3950	3730	3840	3950	3730	3840	3950	3730	3840	3950
60	BPSK	1	0	22.31	23.05	22.47	21.51	22.25	21.67	20.81	21.55	20.97	15.81	16.55	15.97	21.11	21.85	21.27
		1	1	23.07	22.87	23.05	22.27	22.07	22.25	21.57	21.37	21.55	16.57	16.37	16.55	21.87	21.67	21.85
		1	160	23.05	22.99	22.87	22.25	22.19	22.07	21.55	21.49	21.37	16.55	16.49	16.37	21.85	21.79	21.67
		1	161	22.20	22.26	22.59	21.40	21.46	21.79	20.70	20.76	21.09	15.70	15.76	16.09	21.00	21.06	21.39
		81	40	23.03	22.98	23.07	22.23	22.18	22.27	21.53	21.48	21.57	16.53	16.48	16.57	21.83	21.78	21.87
		162	0	23.05	22.80	23.06	22.25	22.00	22.26	21.55	21.30	21.56	16.55	16.30	16.56	21.85	21.60	21.86
	QPSK	1	0	22.45	22.54	22.18	21.65	21.74	21.38	20.95	21.04	20.68	15.95	16.04	15.68	21.25	21.34	20.98
		1	1	22.99	22.99	22.99	22.19	22.19	22.19	21.49	21.49	21.49	16.49	16.49	16.49	21.79	21.79	21.79
		1	160	22.66	22.82	22.92	21.86	22.02	22.12	21.16	21.32	21.42	16.16	16.32	16.42	21.46	21.62	21.72
		1	161	22.16	22.34	22.18	21.36	21.54	21.38	20.66	20.84	20.68	15.66	15.84	15.68	20.96	21.14	20.98



		81	40	23.07	23.03	22.87	22.27	22.23	22.07	21.57	21.53	21.37	16.57	16.53	16.37	21.87	21.83	21.67	
		162	0	23.12	23.04	23.12	22.32	22.24	22.32	21.62	21.54	21.62	16.62	16.54	16.62	21.92	21.84	21.92	
	16QAM	1	0	22.40	22.23	22.43	21.60	21.43	21.63	20.90	20.73	20.93	15.90	15.73	15.93	21.20	21.03	21.23	
		1	1	22.94	22.81	22.86	22.14	22.01	22.06	21.44	21.31	21.36	16.44	16.31	16.36	21.74	21.61	21.66	
		1	160	22.80	22.66	22.64	22.00	21.86	21.84	21.30	21.16	21.14	16.30	16.16	16.14	21.60	21.46	21.44	
		1	161	22.32	22.25	22.24	21.52	21.45	21.44	20.82	20.75	20.74	15.82	15.75	15.74	21.12	21.05	21.04	
		81	40	22.80	23.12	23.00	22.00	22.32	22.20	21.30	21.62	21.50	16.30	16.62	16.50	21.60	21.92	21.80	
		162	0	22.88	22.88	23.10	22.08	22.08	22.30	21.38	21.38	21.60	16.38	16.38	16.60	21.68	21.68	21.90	
	64QAM	1	0	22.43	22.28	22.48	21.63	21.48	21.68	20.93	20.78	20.98	15.93	15.78	15.98	21.23	21.08	21.28	
		1	1	22.71	22.75	22.84	21.91	21.95	22.04	21.21	21.25	21.34	16.21	16.25	16.34	21.51	21.55	21.64	
		1	160	22.61	22.60	22.58	21.81	21.80	21.78	21.11	21.10	21.08	16.11	16.10	16.08	21.41	21.40	21.38	
		1	161	22.17	22.13	22.12	21.37	21.33	21.32	20.67	20.63	20.62	15.67	15.63	15.62	20.97	20.93	20.92	
		81	40	22.85	23.05	23.10	22.05	22.25	22.30	21.35	21.55	21.60	16.35	16.55	16.60	21.65	21.85	21.90	
		162	0	22.93	22.88	22.85	22.13	22.08	22.05	21.43	21.38	21.35	16.43	16.38	16.35	21.73	21.68	21.65	
	256QAM	1	0	21.47	21.35	21.32	20.67	20.55	20.52	19.97	19.85	19.82	14.97	14.85	14.82	20.27	20.15	20.12	
		1	1	21.53	21.20	21.16	20.73	20.40	20.36	20.03	19.70	19.66	15.03	14.70	14.66	20.33	20.00	19.96	
		1	160	21.60	21.24	21.15	20.80	20.44	20.35	20.10	19.74	19.65	15.10	14.74	14.65	20.40	20.04	19.95	
		1	161	21.57	21.08	21.17	20.77	20.28	20.37	20.07	19.58	19.67	15.07	14.58	14.67	20.37	19.88	19.97	
		81	40	21.33	21.57	21.58	20.53	20.77	20.78	19.83	20.07	20.08	14.83	15.07	15.08	20.13	20.37	20.38	
		162	0	21.42	21.54	21.32	20.62	20.74	20.52	19.92	20.04	19.82	14.92	15.04	14.82	20.22	20.34	20.12	
	Bandwidth(MHz)	Modulation	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)		
					649334	656000	662666	649334	656000	662666	649334	656000	662666	649334	656000	662666	649334	656000	662666
					3740	3840	3940	3740	3840	3940	3740	3840	3940	3740	3840	3940	3740	3840	3940
	80	BPSK	1	0	22.25	22.05	21.96	21.45	21.25	21.16	20.75	20.55	20.46	15.75	15.55	15.46	21.05	20.85	20.76
1			1	22.73	22.81	22.73	21.93	22.01	21.93	21.23	21.31	21.23	16.23	16.31	16.23	21.53	21.61	21.53	
1			215	22.66	22.67	22.36	21.86	21.87	21.56	21.16	21.17	20.86	16.16	16.17	15.86	21.46	21.47	21.16	
1			216	21.83	22.30	22.18	21.03	21.50	21.38	20.33	20.80	20.68	15.33	15.80	15.68	20.63	21.10	20.98	
108			54	22.63	22.59	22.83	21.83	21.79	22.03	21.13	21.09	21.33	16.13	16.09	16.33	21.43	21.39	21.63	
216			0	22.63	22.83	22.77	21.83	22.03	21.97	21.13	21.33	21.27	16.13	16.33	16.27	21.43	21.63	21.57	
QPSK		1	0	21.94	22.31	22.25	21.14	21.51	21.45	20.44	20.81	20.75	15.44	15.81	15.75	20.74	21.11	21.05	
		1	1	22.54	22.85	22.83	21.74	22.05	22.03	21.04	21.35	21.33	16.04	16.35	16.33	21.34	21.65	21.63	
		1	215	22.39	22.63	22.34	21.59	21.83	21.54	20.89	21.13	20.84	15.89	16.13	15.84	21.19	21.43	21.14	
		1	216	22.21	22.15	22.11	21.41	21.35	21.31	20.71	20.65	20.61	15.71	15.65	15.61	21.01	20.95	20.91	
		108	54	2.78	22.77	23.01	1.98	21.97	22.21	1.28	21.27	21.51	-3.72	16.27	16.51	1.58	21.57	21.81	
		216	0	22.56	23.02	22.79	21.76	22.22	21.99	21.06	21.52	21.29	16.06	16.52	16.29	21.36	21.82	21.59	
16QAM		1	0	22.18	22.22	22.10	21.38	21.42	21.30	20.68	20.72	20.60	15.68	15.72	15.60	20.98	21.02	20.90	
		1	1	22.88	22.77	22.47	22.08	21.97	21.67	21.38	21.27	20.97	16.38	16.27	15.97	21.68	21.57	21.27	
		1	215	22.25	22.65	22.51	21.45	21.85	21.71	20.75	21.15	21.01	15.75	16.15	16.01	21.05	21.45	21.31	
		1	216	22.15	22.02	21.37	21.35	21.22	20.57	20.65	20.52	19.87	15.65	15.52	14.87	20.95	20.82	20.17	
		108	54	22.63	22.78	21.76	21.83	21.98	20.96	21.13	21.28	20.26	16.13	16.28	15.26	21.43	21.58	20.56	
		216	0	22.60	22.56	21.89	21.80	21.76	21.09	21.10	21.06	20.39	16.10	16.06	15.39	21.40	21.36	20.69	
64QAM		1	0	22.41	22.29	21.76	21.61	21.49	20.96	20.91	20.79	20.26	15.91	15.79	15.26	21.21	21.09	20.56	



Bandwidth(MHz)	Modulation	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)		
				650000	656000	662000	650000	656000	662000	650000	656000	662000	650000	656000	662000	650000	656000	662000
				3750	3840	3930	3750	3840	3930	3750	3840	3930	3750	3840	3930	3750	3840	3930
100	256QAM	1	1	23.05	22.72	21.36	22.25	21.92	20.56	21.55	21.22	19.86	16.55	16.22	14.86	21.85	21.52	20.16
		1	215	22.72	22.36	21.78	21.92	21.56	20.98	21.22	20.86	20.28	16.22	15.86	15.28	21.52	21.16	20.58
		1	216	21.79	22.21	21.12	20.99	21.41	20.32	20.29	20.71	19.62	15.29	15.71	14.62	20.59	21.01	19.92
		108	54	22.86	22.78	21.82	22.06	21.98	21.02	21.36	21.28	20.32	16.36	16.28	15.32	21.66	21.58	20.62
		216	0	22.76	22.63	21.68	21.96	21.83	20.88	21.26	21.13	20.18	16.26	16.13	15.18	21.56	21.43	20.48
		1	0	21.04	21.17	20.19	20.24	20.37	19.39	19.54	19.67	18.69	14.54	14.67	13.69	19.84	19.97	18.99
	BPSK	1	1	21.13	21.28	20.12	20.33	20.48	19.32	19.63	19.78	18.62	14.63	14.78	13.62	19.93	20.08	18.92
		1	215	20.99	21.11	19.90	20.19	20.31	19.10	19.49	19.61	18.40	14.49	14.61	13.40	19.79	19.91	18.70
		1	216	20.91	21.31	19.99	20.11	20.51	19.19	19.41	19.81	18.49	14.41	14.81	13.49	19.71	20.11	18.79
		108	54	21.07	21.12	20.17	20.27	20.32	19.37	19.57	19.62	18.67	14.57	14.62	13.67	19.87	19.92	18.97
		216	0	21.33	21.34	20.29	20.53	20.54	19.49	19.83	19.84	18.79	14.83	14.84	13.79	20.13	20.14	19.09
		QPSK	1	0	22.49	21.88	22.29	21.69	21.08	21.49	20.99	20.38	20.79	15.99	15.38	15.79	21.29	20.68
	1		1	22.88	22.53	22.76	22.08	21.73	21.96	21.38	21.03	21.26	16.38	16.03	16.26	21.68	21.33	21.56
	1		271	22.79	23.07	22.90	21.99	22.27	22.10	21.29	21.57	21.40	16.29	16.57	16.40	21.59	21.87	21.70
	1		272	22.31	22.58	22.45	21.51	21.78	21.65	20.81	21.08	20.95	15.81	16.08	15.95	21.11	21.38	21.25
	135		67	22.86	22.88	22.88	22.06	22.08	22.08	21.36	21.38	21.38	16.36	16.38	16.38	21.66	21.68	21.68
	270		0	22.89	22.86	22.97	22.09	22.06	22.17	21.39	21.36	21.47	16.39	16.36	16.47	21.69	21.66	21.77
	16QAM	1	0	22.41	21.98	22.39	21.61	21.18	21.59	20.91	20.48	20.89	15.91	15.48	15.89	21.21	20.78	21.19
		1	1	23.02	22.48	22.84	22.22	21.68	22.04	21.52	20.98	21.34	16.52	15.98	16.34	21.82	21.28	21.64
		1	271	22.70	22.97	22.97	21.90	22.17	22.17	21.20	21.47	21.47	16.20	16.47	16.47	21.50	21.77	21.77
		1	272	22.33	22.58	22.37	21.53	21.78	21.57	20.83	21.08	20.87	15.83	16.08	15.87	21.13	21.38	21.17
		135	67	22.80	22.74	22.83	22.00	21.94	22.03	21.30	21.24	21.33	16.30	16.24	16.33	21.60	21.54	21.63
		270	0	22.80	22.78	23.01	22.00	21.98	22.21	21.30	21.28	21.51	16.30	16.28	16.51	21.60	21.58	21.81
	64QAM	1	0	22.66	22.00	22.31	21.86	21.20	21.51	21.16	20.50	20.81	16.16	15.50	15.81	21.46	20.80	21.11
		1	1	22.99	22.50	23.06	22.19	21.70	22.26	21.49	21.00	21.56	16.49	16.00	16.56	21.79	21.30	21.86
		1	271	22.83	23.32	23.05	22.03	22.52	22.25	21.33	21.82	21.55	16.33	16.82	16.55	21.63	22.12	21.85
		1	272	22.42	22.55	22.57	21.62	21.75	21.77	20.92	21.05	21.07	15.92	16.05	16.07	21.22	21.35	21.37
		135	67	22.79	22.89	22.88	21.99	22.09	22.08	21.29	21.39	21.38	16.29	16.39	16.38	21.59	21.69	21.68
270		0	22.85	22.74	22.98	22.05	21.94	22.18	21.35	21.24	21.48	16.35	16.24	16.48	21.65	21.54	21.78	
256QAM	1	0	22.32	21.88	22.09	21.52	21.08	21.29	20.82	20.38	20.59	15.82	15.38	15.59	21.12	20.68	20.89	
	1	1	22.96	22.42	22.65	22.16	21.62	21.85	21.46	20.92	21.15	16.46	15.92	16.15	21.76	21.22	21.45	
	1	271	23.03	23.02	22.78	22.23	22.22	21.98	21.53	21.52	21.28	16.53	16.52	16.28	21.83	21.82	21.58	
	1	272	22.50	22.46	22.44	21.70	21.66	21.64	21.00	20.96	20.94	16.00	15.96	15.94	21.30	21.26	21.24	
256QAM	135	67	22.77	22.86	22.99	21.97	22.06	22.19	21.27	21.36	21.49	16.27	16.36	16.49	21.57	21.66	21.79	
	270	0	22.97	22.88	23.04	22.17	22.08	22.24	21.47	21.38	21.54	16.47	16.38	16.54	21.77	21.68	21.84	
	1	0	21.35	20.94	21.22	20.55	20.14	20.42	19.85	19.44	19.72	14.85	14.44	14.72	20.15	19.74	20.02	
	1	1	21.46	20.87	21.27	20.66	20.07	20.47	19.96	19.37	19.77	14.96	14.37	14.77	20.26	19.67	20.07	
256QAM	1	271	21.10	21.44	21.30	20.30	20.64	20.50	19.60	19.94	19.80	14.60	14.94	14.80	19.90	20.24	20.10	
	1	272	21.35	21.28	21.25	20.55	20.48	20.45	19.85	19.78	19.75	14.85	14.78	14.75	20.15	20.08	20.05	



		135	67	21.30	21.24	21.42	20.50	20.44	20.62	19.80	19.74	19.92	14.80	14.74	14.92	20.10	20.04	20.22
		270	0	21.35	21.19	21.43	20.55	20.39	20.63	19.85	19.69	19.93	14.85	14.69	14.93	20.15	19.99	20.23

DC_12A-n77 subset 2A																						
Bandwidth (MHz)	Modulation	Modulation (LTE)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)					
					647334	656000	664666	647334	656000	664666	647334	656000	664666	647334	656000	664666	647334	656000	664666	647334	656000	664666
					3710	3840	3970	3710	3840	3970	3710	3840	3970	3710	3840	3970	3710	3840	3970	3710	3840	3970
20	BPSK	Band12-5M Hz-707.5M Hz-QPSK-1 #0	1	0	21.90	21.85	22.17	21.10	21.05	21.37	20.40	20.35	20.67	15.40	15.35	15.67	20.70	20.65	20.97			
			1	1	22.40	22.37	22.57	21.60	21.57	21.77	20.90	20.87	21.07	15.90	15.87	16.07	21.20	21.17	21.37			
			1	49	22.42	23.02	22.59	21.62	22.22	21.79	20.92	21.52	21.09	15.92	16.52	16.09	21.22	21.82	21.39			
			1	50	21.81	22.28	21.86	21.01	21.48	21.06	20.31	20.78	20.36	15.31	15.78	15.36	20.61	21.08	20.66			
			25	12	22.25	22.66	22.63	21.45	21.86	21.83	20.75	21.16	21.13	15.75	16.16	16.13	21.05	21.46	21.43			
			50	0	22.20	22.54	22.50	21.40	21.74	21.70	20.70	21.04	21.00	15.70	16.04	16.00	21.00	21.34	21.30			
	QPSK		1	0	21.73	21.74	21.86	20.93	20.94	21.06	20.23	20.24	20.36	15.23	15.24	15.36	20.53	20.54	20.66			
			1	1	22.36	22.11	22.25	21.56	21.31	21.45	20.86	20.61	20.75	15.86	15.61	15.75	21.16	20.91	21.05			
			1	49	22.45	21.90	22.55	21.65	21.10	21.75	20.95	20.40	21.05	15.95	15.40	16.05	21.25	20.70	21.35			
			1	50	21.89	22.20	22.42	21.09	21.40	21.62	20.39	20.70	20.92	15.39	15.70	15.92	20.69	21.00	21.22			
			25	12	22.14	22.00	22.51	21.34	21.20	21.71	20.64	20.50	21.01	15.64	15.50	16.01	20.94	20.80	21.31			
			50	0	22.33	22.56	21.95	21.53	21.76	21.15	20.83	21.06	20.45	15.83	16.06	15.45	21.13	21.36	20.75			
	16QAM		1	0	21.93	22.37	22.44	21.13	21.57	21.64	20.43	20.87	20.94	15.43	15.87	15.94	20.73	21.17	21.24			
			1	1	22.46	22.18	22.37	21.66	21.38	21.57	20.96	20.68	20.87	15.96	15.68	15.87	21.26	20.98	21.17			
			1	49	22.71	22.58	22.64	21.91	21.78	21.84	21.21	21.08	21.14	16.21	16.08	16.14	21.51	21.38	21.44			
			1	50	22.16	21.85	21.82	21.36	21.05	21.02	20.66	20.35	20.32	15.66	15.35	15.32	20.96	20.65	20.62			
			25	12	22.22	22.10	22.19	21.42	21.30	21.39	20.72	20.60	20.69	15.72	15.60	15.69	21.02	20.90	20.99			
			50	0	22.32	22.35	22.26	21.52	21.55	21.46	20.82	20.85	20.76	15.82	15.85	15.76	21.12	21.15	21.06			
	64QAM		1	0	21.59	21.82	21.81	20.79	21.02	21.01	20.09	20.32	20.31	15.09	15.32	15.31	20.39	20.62	20.61			
			1	1	22.11	22.15	22.10	21.31	21.35	21.30	20.61	20.65	20.60	15.61	15.65	15.60	20.91	20.95	20.90			
			1	49	22.15	22.43	22.37	21.35	21.63	21.57	20.65	20.93	20.87	15.65	15.93	15.87	20.95	21.23	21.17			
			1	50	21.71	21.95	21.89	20.91	21.15	21.09	20.21	20.45	20.39	15.21	15.45	15.39	20.51	20.75	20.69			
			25	12	22.37	22.11	22.29	21.57	21.31	21.49	20.87	20.61	20.79	15.87	15.61	15.79	21.17	20.91	21.09			
			50	0	22.33	22.25	22.15	21.53	21.45	21.35	20.83	20.75	20.65	15.83	15.75	15.65	21.13	21.05	20.95			
	256QAM		1	0	20.87	20.94	20.90	20.07	20.14	20.10	19.37	19.44	19.40	14.37	14.44	14.40	19.67	19.74	19.70			
			1	1	20.91	20.87	20.87	20.11	20.07	20.07	19.41	19.37	19.37	14.41	14.37	14.37	19.71	19.67	19.67			
			1	49	21.11	21.02	21.03	20.31	20.22	20.23	19.61	19.52	19.53	14.61	14.52	14.53	19.91	19.82	19.83			
			1	50	20.94	20.84	20.87	20.14	20.04	20.07	19.44	19.34	19.37	14.44	14.34	14.37	19.74	19.64	19.67			
			25	12	20.82	20.88	20.96	20.02	20.08	20.16	19.32	19.38	19.46	14.32	14.38	14.46	19.62	19.68	19.76			
			50	0	20.92	20.83	20.84	20.12	20.03	20.04	19.42	19.33	19.34	14.42	14.33	14.34	19.72	19.63	19.64			



Bandwidth h(MHz)	Modulation	Modulation (LTE)	RB Allocation	RB Offset	Maximum Output			Antenna 3			Antenna 7			Antenna 5			Antenna 2					
					Power(dBm)			EIRP(dBm)			EIRP(dBm)			EIRP(dBm)			EIRP(dBm)					
					648000	656000	664000	648000	656000	664000	648000	656000	664000	648000	656000	664000	648000	656000	664000	648000	656000	664000
					3720	3840	3960	3720	3840	3960	3720	3840	3960	3720	3840	3960	3720	3840	3960	3720	3840	3960
40	BPSK	Band12-5M Hz-707.5M Hz-QPSK-1 #0	1	0	21.94	21.90	22.20	21.14	21.10	21.40	20.44	20.40	20.70	15.44	15.40	15.70	20.74	20.70	21.00			
			1	1	22.45	22.40	22.61	21.65	21.60	21.81	20.95	20.90	21.11	15.95	15.90	16.11	21.25	21.20	21.41			
			1	104	22.94	22.80	22.62	22.14	22.00	21.82	21.44	21.30	21.12	16.44	16.30	16.12	21.74	21.60	21.42			
			1	105	21.85	22.30	21.89	21.05	21.50	21.09	20.35	20.80	20.39	15.35	15.80	15.39	20.65	21.10	20.69			
			50	25	22.30	22.69	22.65	21.50	21.89	21.85	20.80	21.19	21.15	15.80	16.19	16.15	21.10	21.49	21.45			
			100	0	22.25	22.59	22.53	21.45	21.79	21.73	20.75	21.09	21.03	15.75	16.09	16.03	21.05	21.39	21.33			
	QPSK		1	0	21.78	21.80	21.91	20.98	21.00	21.11	20.28	20.30	20.41	15.28	15.30	15.41	20.58	20.60	20.71			
			1	1	22.40	22.14	22.29	21.60	21.34	21.49	20.90	20.64	20.79	15.90	15.64	15.79	21.20	20.94	21.09			
			1	104	22.49	21.95	22.59	21.69	21.15	21.79	20.99	20.45	21.09	15.99	15.45	16.09	21.29	20.75	21.39			
			1	105	21.93	22.25	22.45	21.13	21.45	21.65	20.43	20.75	20.95	15.43	15.75	15.95	20.73	21.05	21.25			
			50	25	22.19	22.03	22.55	21.39	21.23	21.75	20.69	20.53	21.05	15.69	15.53	16.05	20.99	20.83	21.35			
			100	0	22.37	22.58	21.98	21.57	21.78	21.18	20.87	21.08	20.48	15.87	16.08	15.48	21.17	21.38	20.78			
	16QAM		1	0	21.97	22.39	22.47	21.17	21.59	21.67	20.47	20.89	20.97	15.47	15.89	15.97	20.77	21.19	21.27			
			1	1	22.51	22.21	22.39	21.71	21.41	21.59	21.01	20.71	20.89	16.01	15.71	15.89	21.31	21.01	21.19			
			1	104	22.75	22.61	22.68	21.95	21.81	21.88	21.25	21.11	21.18	16.25	16.11	16.18	21.55	21.41	21.48			
			1	105	22.20	21.90	21.86	21.40	21.10	21.06	20.70	20.40	20.36	15.70	15.40	15.36	21.00	20.70	20.66			
			50	25	22.26	22.15	22.22	21.46	21.35	21.42	20.76	20.65	20.72	15.76	15.65	15.72	21.06	20.95	21.02			
			100	0	22.37	22.38	22.30	21.57	21.58	21.50	20.87	20.88	20.80	15.87	15.88	15.80	21.17	21.18	21.10			
	64QAM		1	0	21.63	21.87	21.84	20.83	21.07	21.04	20.13	20.37	20.34	15.13	15.37	15.34	20.43	20.67	20.64			
			1	1	22.16	22.18	22.14	21.36	21.38	21.34	20.66	20.68	20.64	15.66	15.68	15.64	20.96	20.98	20.94			
			1	104	22.19	22.45	22.40	21.39	21.65	21.60	20.69	20.95	20.90	15.69	15.95	15.90	20.99	21.25	21.20			
			1	105	21.75	21.97	21.92	20.95	21.17	21.12	20.25	20.47	20.42	15.25	15.47	15.42	20.55	20.77	20.72			
			50	25	22.42	22.14	22.31	21.62	21.34	21.51	20.92	20.64	20.81	15.92	15.64	15.81	21.22	20.94	21.11			
			100	0	22.38	22.30	22.18	21.58	21.50	21.38	20.88	20.80	20.68	15.88	15.80	15.68	21.18	21.10	20.98			
256QAM	M	1	0	20.92	21.00	20.95	20.12	20.20	20.15	19.42	19.50	19.45	14.42	14.50	14.45	19.72	19.80	19.75				
		1	1	20.95	20.90	20.91	20.15	20.10	20.11	19.45	19.40	19.41	14.45	14.40	14.41	19.75	19.70	19.71				
		1	104	21.15	21.07	21.07	20.35	20.27	20.27	19.65	19.57	19.57	14.65	14.57	14.57	19.95	19.87	19.87				
		1	105	20.98	20.89	20.90	20.18	20.09	20.10	19.48	19.39	19.40	14.48	14.39	14.40	19.78	19.69	19.70				
		50	25	20.87	20.91	21.00	20.07	20.11	20.20	19.37	19.41	19.50	14.37	14.41	14.50	19.67	19.71	19.80				
		100	0	20.96	20.85	20.87	20.16	20.05	20.07	19.46	19.35	19.37	14.46	14.35	14.37	19.76	19.65	19.67				
Bandwidth (MHz)	Modulation	Modulation (LTE)	RB Allocation	RB Offset	Maximum Output			Antenna 3			Antenna 7			Antenna 5			Antenna 2					
					Power(dBm)			EIRP(dBm)			EIRP(dBm)			EIRP(dBm)			EIRP(dBm)					
					648666	656000	663334	648666	656000	663334	648666	656000	663334	648666	656000	663334	648666	656000	663334			
					3730	3840	3950	3730	3840	3950	3730	3840	3950	3730	3840	3950	3730	3840	3950			
60	BPSK	Band12-5M Hz-707.5M Hz-QPSK-1 #0	1	0	21.88	21.83	22.15	21.08	21.03	21.35	20.38	20.33	20.65	15.38	15.33	15.65	20.68	20.63	20.95			
			1	1	22.40	22.37	22.57	21.60	21.57	21.77	20.90	20.87	21.07	15.90	15.87	16.07	21.20	21.17	21.37			
			1	160	22.40	23.00	22.57	21.60	22.20	21.77	20.90	21.50	21.07	15.90	16.50	16.07	21.20	21.80	21.37			
			1	161	21.80	22.27	21.85	21.00	21.47	21.05	20.30	20.77	20.35	15.30	15.77	15.35	20.60	21.07	20.65			
			81	40	22.25	22.66	22.61	21.45	21.86	21.81	20.75	21.16	21.11	15.75	16.16	16.11	21.05	21.46	21.41			



Bandwidth (MHz)	Modulation	Modulation (LTE)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)			
					649334	656000	662666	649334	656000	662666	649334	656000	662666	649334	656000	662666	649334	656000	662666	
					3740	3840	3940	3740	3840	3940	3740	3840	3940	3740	3840	3940	3740	3840	3940	
80	QPSK	Band12-5M	162	0	22.19	22.55	22.50	21.39	21.75	21.70	20.69	21.05	21.00	15.69	16.05	16.00	20.99	21.35	21.30	
			1	0	21.78	21.74	21.87	20.98	20.94	21.07	20.28	20.24	20.37	15.28	15.24	15.37	20.58	20.54	20.67	
			1	1	22.34	22.09	22.23	21.54	21.29	21.43	20.84	20.59	20.73	15.84	15.59	15.73	21.14	20.89	21.03	
			1	160	22.44	21.91	22.54	21.64	21.11	21.74	20.94	20.41	21.04	15.94	15.41	16.04	21.24	20.71	21.34	
			1	161	21.88	22.19	22.40	21.08	21.39	21.60	20.38	20.69	20.90	15.38	15.69	15.90	20.68	20.99	21.20	
			81	40	22.14	22.00	22.51	21.34	21.20	21.71	20.64	20.50	21.01	15.64	15.50	16.01	20.94	20.80	21.31	
			162	0	22.31	22.54	21.93	21.51	21.74	21.13	20.81	21.04	20.43	15.81	16.04	15.43	21.11	21.34	20.73	
			1	0	21.92	22.36	22.43	21.12	21.56	21.63	20.42	20.86	20.93	15.42	15.86	15.93	20.72	21.16	21.23	
			1	1	22.46	22.18	22.35	21.66	21.38	21.55	20.96	20.68	20.85	15.96	15.68	15.85	21.26	20.98	21.15	
			1	160	22.69	22.56	22.62	21.89	21.76	21.82	21.19	21.06	21.12	16.19	16.06	16.12	21.49	21.36	21.42	
			1	161	22.15	21.86	21.81	21.35	21.06	21.01	20.65	20.36	20.31	15.65	15.36	15.31	20.95	20.66	20.61	
			81	40	22.21	22.09	22.17	21.41	21.29	21.37	20.71	20.59	20.67	15.71	15.59	15.67	21.01	20.89	20.97	
	162	0	22.32	22.35	22.26	21.52	21.55	21.46	20.82	20.85	20.76	15.82	15.85	15.76	21.12	21.15	21.06			
	1	0	21.57	21.80	21.79	20.77	21.00	20.99	20.07	20.30	20.29	15.07	15.30	15.29	20.37	20.60	20.59			
	1	1	22.11	22.15	22.10	21.31	21.35	21.30	20.61	20.65	20.60	15.61	15.65	15.60	20.91	20.95	20.90			
	1	160	22.13	22.41	22.35	21.33	21.61	21.55	20.63	20.91	20.85	15.63	15.91	15.85	20.93	21.21	21.15			
	1	161	21.70	21.94	21.88	20.90	21.14	21.08	20.20	20.44	20.38	15.20	15.44	15.38	20.50	20.74	20.68			
	81	40	22.37	22.11	22.27	21.57	21.31	21.47	20.87	20.61	20.77	15.87	15.61	15.77	21.17	20.91	21.07			
	162	0	22.32	22.26	22.15	21.52	21.46	21.35	20.82	20.76	20.65	15.82	15.76	15.65	21.12	21.06	20.95			
	1	0	20.92	20.94	20.91	20.12	20.14	20.11	19.42	19.44	19.41	14.42	14.44	14.41	19.72	19.74	19.71			
	1	1	20.89	20.85	20.85	20.09	20.05	20.05	19.39	19.35	19.35	14.39	14.35	14.35	19.69	19.65	19.65			
	1	160	21.10	21.03	21.02	20.30	20.23	20.22	19.60	19.53	19.52	14.60	14.53	14.52	19.90	19.83	19.82			
	1	161	20.93	20.83	20.85	20.13	20.03	20.05	19.43	19.33	19.35	14.43	14.33	14.35	19.73	19.63	19.65			
	81	40	20.82	20.88	20.96	20.02	20.08	20.16	19.32	19.38	19.46	14.32	14.38	14.46	19.62	19.68	19.76			
162	0	20.90	20.81	20.82	20.10	20.01	20.02	19.40	19.31	19.32	14.40	14.31	14.32	19.70	19.61	19.62				
80	BPSK	Band12-5M	1	0	21.85	21.77	22.11	21.05	20.97	21.31	20.35	20.27	20.61	15.35	15.27	15.61	20.65	20.57	20.91	
			1	1	22.36	22.34	22.52	21.56	21.54	21.72	20.86	20.84	21.02	15.86	15.84	16.02	21.16	21.14	21.32	
			1	215	22.35	22.82	22.51	21.55	22.02	21.71	20.85	21.32	21.01	15.85	16.32	16.01	21.15	21.62	21.31	
			1	216	21.76	22.21	21.80	20.96	21.41	21.00	20.26	20.71	20.30	15.26	15.71	15.30	20.56	21.01	20.60	
			108	54	22.20	22.59	22.55	21.40	21.79	21.75	20.70	21.09	21.05	15.70	16.09	16.05	21.00	21.39	21.35	
			216	0	22.14	22.50	22.44	21.34	21.70	21.64	20.64	21.00	20.94	15.64	16.00	15.94	20.94	21.30	21.24	
	QPSK	#0	Hz-707.5M	1	0	21.74	21.68	21.80	20.94	20.88	21.00	20.24	20.18	20.30	15.24	15.18	15.30	20.54	20.48	20.60
				1	1	22.27	22.05	22.19	21.47	21.25	21.39	20.77	20.55	20.69	15.77	15.55	15.69	21.07	20.85	20.99
				1	215	22.40	21.86	22.50	21.60	21.06	21.70	20.90	20.36	21.00	15.90	15.36	16.00	21.20	20.66	21.30
				1	216	21.83	22.13	22.35	21.03	21.33	21.55	20.33	20.63	20.85	15.33	15.63	15.85	20.63	20.93	21.15
				108	54	22.09	21.96	22.46	21.29	21.16	21.66	20.59	20.46	20.96	15.59	15.46	15.96	20.89	20.76	21.26
				216	0	22.26	22.47	21.87	21.46	21.67	21.07	20.76	20.97	20.37	15.76	15.97	15.37	21.06	21.27	20.67
16QAM	#0	Hz-QPSK-1	1	0	21.88	22.30	22.38	21.08	21.50	21.58	20.38	20.80	20.88	15.38	15.80	15.88	20.68	21.10	21.18	
			1	1	22.41	22.11	22.29	21.61	21.31	21.49	20.91	20.61	20.79	15.91	15.61	15.79	21.21	20.91	21.09	



Bandwidth (MHz)	Modulation	Modulation (LTE)	RB Allocation	RB Offset	Maximum Output Power(dBm)			Antenna 3 EIRP(dBm)			Antenna 7 EIRP(dBm)			Antenna 5 EIRP(dBm)			Antenna 2 EIRP(dBm)			
					650000	656000	662000	650000	656000	662000	650000	656000	662000	650000	656000	662000	650000	656000	662000	
					3750	3840	3930	3750	3840	3930	3750	3840	3930	3750	3840	3930	3750	3840	3930	
					1	215	22.62	22.52	22.58	21.82	21.72	21.78	21.12	21.02	21.08	16.12	16.02	16.08	21.42	21.32
100	64QAM		1	216	22.11	21.81	21.77	21.31	21.01	20.97	20.61	20.31	20.27	15.61	15.31	15.27	20.91	20.61	20.57	
			108	54	22.16	22.03	22.12	21.36	21.23	21.32	20.66	20.53	20.62	15.66	15.53	15.62	20.96	20.83	20.92	
			216	0	22.27	22.31	22.21	21.47	21.51	21.41	20.77	20.81	20.71	15.77	15.81	15.71	21.07	21.11	21.01	
			1	0	21.54	21.74	21.75	20.74	20.94	20.95	20.04	20.24	20.25	15.04	15.24	15.25	20.34	20.54	20.55	
			1	1	22.07	22.12	22.05	21.27	21.32	21.25	20.57	20.62	20.55	15.57	15.62	15.55	20.87	20.92	20.85	
			1	215	22.08	22.34	22.29	21.28	21.54	21.49	20.58	20.84	20.79	15.58	15.84	15.79	20.88	21.14	21.09	
			1	216	21.66	21.88	21.83	20.86	21.08	21.03	20.16	20.38	20.33	15.16	15.38	15.33	20.46	20.68	20.63	
			108	54	22.32	22.04	22.21	21.52	21.24	21.41	20.82	20.54	20.71	15.82	15.54	15.71	21.12	20.84	21.01	
			216	0	22.27	22.21	22.09	21.47	21.41	21.29	20.77	20.71	20.59	15.77	15.71	15.59	21.07	21.01	20.89	
			1	0	20.88	20.88	20.84	20.08	20.08	20.04	19.38	19.38	19.34	14.38	14.38	14.34	19.68	19.68	19.64	
	1	1	20.82	20.81	20.81	20.02	20.01	20.01	19.32	19.31	19.31	14.32	14.31	14.31	19.62	19.61	19.61			
	1	215	21.06	20.98	20.98	20.26	20.18	20.18	19.56	19.48	19.48	14.56	14.48	14.48	19.86	19.78	19.78			
	1	216	20.88	20.77	20.80	20.08	19.97	20.00	19.38	19.27	19.30	14.38	14.27	14.30	19.68	19.57	19.60			
	108	54	20.77	20.84	20.91	19.97	20.04	20.11	19.27	19.34	19.41	14.27	14.34	14.41	19.57	19.64	19.71			
	216	0	20.85	20.74	20.76	20.05	19.94	19.96	19.35	19.24	19.26	14.35	14.24	14.26	19.65	19.54	19.56			
	100	BPSK	Band12-5M Hz-707.5M Hz-QPSK-1 #0	1	0	22.13	22.04	22.39	21.33	21.24	21.59	20.63	20.54	20.89	15.63	15.54	15.89	20.93	20.84	21.19
				1	1	22.66	22.61	22.81	21.86	21.81	22.01	21.16	21.11	21.31	16.16	16.11	16.31	21.46	21.41	21.61
				1	271	22.64	23.12	22.79	21.84	22.32	21.99	21.14	21.62	21.29	16.14	16.62	16.29	21.44	21.92	21.59
				1	272	22.04	22.47	22.07	21.24	21.67	21.27	20.54	20.97	20.57	15.54	15.97	15.57	20.84	21.27	20.87
				135	67	22.49	22.86	22.83	21.69	22.06	22.03	20.99	21.36	21.33	15.99	16.36	16.33	21.29	21.66	21.63
270				0	22.42	22.76	22.71	21.62	21.96	21.91	20.92	21.26	21.21	15.92	16.26	16.21	21.22	21.56	21.51	
QPSK		1		0	22.02	21.94	22.07	21.22	21.14	21.27	20.52	20.44	20.57	15.52	15.44	15.57	20.82	20.74	20.87	
		1		1	22.56	22.32	22.45	21.76	21.52	21.65	21.06	20.82	20.95	16.06	15.82	15.95	21.36	21.12	21.25	
		1		271	22.67	22.15	22.77	21.87	21.35	21.97	21.17	20.65	21.27	16.17	15.65	16.27	21.47	20.95	21.57	
		1		272	22.12	22.41	22.64	21.32	21.61	21.84	20.62	20.91	21.14	15.62	15.91	16.14	20.92	21.21	21.44	
		135		67	22.37	22.23	22.74	21.57	21.43	21.94	20.87	20.73	21.24	15.87	15.73	16.24	21.17	21.03	21.54	
		270		0	22.54	22.76	22.15	21.74	21.96	21.35	21.04	21.26	20.65	16.04	16.26	15.65	21.34	21.56	20.95	
16QAM		1		0	22.16	22.56	22.65	21.36	21.76	21.85	20.66	21.06	21.15	15.66	16.06	16.15	20.96	21.36	21.45	
		1		1	22.70	22.38	22.57	21.90	21.58	21.77	21.20	20.88	21.07	16.20	15.88	16.07	21.50	21.18	21.37	
		1		271	22.91	22.79	22.84	22.11	21.99	22.04	21.41	21.29	21.34	16.41	16.29	16.34	21.71	21.59	21.64	
		1		272	22.38	22.10	22.04	21.58	21.30	21.24	20.88	20.60	20.54	15.88	15.60	15.54	21.18	20.90	20.84	
		135		67	22.45	22.31	22.41	21.65	21.51	21.61	20.95	20.81	20.91	15.95	15.81	15.91	21.25	21.11	21.21	
		270		0	22.55	22.58	22.49	21.75	21.78	21.69	21.05	21.08	20.99	16.05	16.08	15.99	21.35	21.38	21.29	
64QAM		1		0	21.82	22.01	22.03	21.02	21.21	21.23	20.32	20.51	20.53	15.32	15.51	15.53	20.62	20.81	20.83	
		1		1	22.37	22.39	22.34	21.57	21.59	21.54	20.87	20.89	20.84	15.87	15.89	15.84	21.17	21.19	21.14	
	1	271	22.37	22.64	22.57	21.57	21.84	21.77	20.87	21.14	21.07	15.87	16.14	16.07	21.17	21.44	21.37			
	1	272	21.94	22.14	22.10	21.14	21.34	21.30	20.44	20.64	20.60	15.44	15.64	15.60	20.74	20.94	20.90			
	135	67	22.61	22.31	22.49	21.81	21.51	21.69	21.11	20.81	20.99	16.11	15.81	15.99	21.41	21.11	21.29			



256QA M		270	0	22.55	22.47	22.36	21.75	21.67	21.56	21.05	20.97	20.86	16.05	15.97	15.86	21.35	21.27	21.16
		1	0	21.16	21.14	21.11	20.36	20.34	20.31	19.66	19.64	19.61	14.66	14.64	14.61	19.96	19.94	19.91
		1	1	21.11	21.08	21.07	20.31	20.28	20.27	19.61	19.58	19.57	14.61	14.58	14.57	19.91	19.88	19.87
		1	271	21.33	21.27	21.25	20.53	20.47	20.45	19.83	19.77	19.75	14.83	14.77	14.75	20.13	20.07	20.05
		1	272	21.17	21.05	21.09	20.37	20.25	20.29	19.67	19.55	19.59	14.67	14.55	14.59	19.97	19.85	19.89
		135	67	21.05	21.11	21.19	20.25	20.31	20.39	19.55	19.61	19.69	14.55	14.61	14.69	19.85	19.91	19.99
		270	0	21.13	21.03	21.04	20.33	20.23	20.24	19.63	19.53	19.54	14.63	14.53	14.54	19.93	19.83	19.84

6.2 Occupied Bandwidth

Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth(MHz)
WCDMA Band IV (RMC)	1312	1712.4	4.145	4.711
	1413	1732.6	4.149	4.684
	1513	1752.6	4.140	4.701

LTE Band 4						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	19957	1710.7	1.105	1.240
			20175	1732.5	1.091	1.238
			20393	1754.3	1.092	1.247
		3	19965	1711.5	2.698	2.960
			20175	1732.5	2.713	2.989
			20385	1753.5	2.706	3.009
		5	19975	1712.5	4.509	4.966
			20175	1732.5	4.524	4.972
			20375	1752.5	4.518	4.990
		10	20000	1715	8.998	9.692
			20175	1732.5	8.990	9.787
			20350	1750	9.009	9.673
		15	20025	1717.5	13.450	14.597
			20175	1732.5	13.429	14.607
			20325	1747.5	13.486	14.585
		20	20050	1720	17.977	19.293
			20175	1732.5	17.937	19.181
			20300	1745	17.965	19.425
	16QAM	1.4	19957	1710.7	1.087	1.240
			20175	1732.5	1.098	1.224
			20393	1754.3	1.095	1.233
		3	19965	1711.5	2.701	3.004
			20175	1732.5	2.705	2.992
			20385	1753.5	2.700	3.005
5		19975	1712.5	4.515	4.957	
		20175	1732.5	4.510	4.989	
		20375	1752.5	4.532	4.976	
10		20000	1715	8.998	9.744	



			20175	1732.5	8.991	9.683	
			20350	1750	9.011	9.675	
		15	20025	1717.5	13.449	14.499	
			20175	1732.5	13.415	14.595	
			20325	1747.5	13.471	14.598	
		20	20050	1720	17.903	19.420	
			20175	1732.5	17.949	19.258	
			20300	1745	17.961	19.310	
		64QAM	1.4	19957	1710.7	1.096	1.235
				20175	1732.5	1.096	1.229
				20393	1754.3	1.085	1.230
			3	19965	1711.5	2.700	3.008
				20175	1732.5	2.700	3.020
				20385	1753.5	2.699	3.011
			5	19975	1712.5	4.504	4.950
	20175			1732.5	4.535	4.949	
	20375			1752.5	4.520	4.983	
	10		20000	1715	8.998	9.758	
			20175	1732.5	8.998	9.759	
			20350	1750	8.984	9.765	
	15		20025	1717.5	13.475	14.594	
			20175	1732.5	13.448	14.650	
			20325	1747.5	13.494	14.660	
	20		20050	1720	17.956	19.377	
			20175	1732.5	17.981	19.397	
			20300	1745	17.973	19.294	

LTE Band 7						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	20775	2502.5	4.509	4.931
			21100	2535	4.524	4.996
			21425	2567.5	4.516	4.908
		10	20800	2505	8.997	9.718
			21100	2535	8.978	9.847
			21400	2565	8.997	9.735
		15	20825	2507.5	13.475	14.480
			21100	2535	13.440	14.587
			21375	2562.5	13.464	14.447
		20	20850	2510	17.994	19.336



			21100	2535	17.936	19.317
			21350	2560	17.962	19.427
	16QAM	5	20775	2502.5	4.521	4.972
			21100	2535	4.514	4.995
			21425	2567.5	4.529	4.988
		10	20800	2505	8.992	9.744
			21100	2535	8.991	9.638
			21400	2565	8.996	9.730
		15	20825	2507.5	13.477	14.608
			21100	2535	13.491	14.641
			21375	2562.5	13.484	14.585
		20	20850	2510	17.907	19.341
			21100	2535	18.000	19.357
			21350	2560	17.962	19.508
	64QAM	5	20775	2502.5	4.534	4.982
			21100	2535	4.499	4.941
			21425	2567.5	4.525	4.896
		10	20800	2505	8.991	9.798
			21100	2535	8.978	9.672
			21400	2565	8.994	9.799
		15	20825	2507.5	13.456	14.599
			21100	2535	13.498	14.606
			21375	2562.5	13.485	14.633
		20	20850	2510	17.976	19.443
			21100	2535	17.970	19.444
			21350	2560	17.960	19.494

LTE Band 12						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	23017	699.7	1.100	1.240
			23095	707.5	1.093	1.236
			23173	715.3	1.096	1.235
		3	23025	700.5	2.701	3.005
			23095	707.5	2.705	3.011
			23165	714.5	2.698	3.011
		5	23035	701.5	4.522	4.941
			23095	707.5	4.510	4.933



			23155	713.5	4.501	4.936
		10	23060	704	8.966	9.712
			23095	707.5	8.978	9.823
			23130	711	8.982	9.754
	16QAM	1.4	23017	699.7	1.097	1.249
			23095	707.5	1.093	1.218
			23173	715.3	1.093	1.218
		3	23025	700.5	2.695	3.018
			23095	707.5	2.699	3.003
			23165	714.5	2.698	3.022
		5	23035	701.5	4.510	4.921
			23095	707.5	4.527	4.916
			23155	713.5	4.516	4.864
		10	23060	704	8.963	9.691
			23095	707.5	8.998	9.769
			23130	711	8.989	9.777
	64QAM	1.4	23017	699.7	1.092	1.239
			23095	707.5	1.099	1.231
			23173	715.3	1.086	1.229
		3	23025	700.5	2.707	2.967
			23095	707.5	2.695	2.981
			23165	714.5	2.705	3.021
		5	23035	701.5	4.510	4.958
			23095	707.5	4.516	4.933
			23155	713.5	4.510	4.952
		10	23060	704	8.976	9.696
			23095	707.5	8.976	9.563
23130			711	8.994	9.754	

LTE Band 17						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	23755	706.5	4.508	4.918
			23790	710	4.516	4.938
			23825	713.5	4.498	4.932



		10	23780	709	8.985	9.820
			23790	710	8.991	9.754
			23800	711	9.006	9.684
	16QAM	5	23755	706.5	4.524	4.981
			23790	710	4.511	5.012
			23825	713.5	4.519	4.995
		10	23780	709	8.977	9.774
			23790	710	8.999	9.844
			23800	711	8.973	9.734
	64QAM	5	23755	706.5	4.526	4.992
			23790	710	4.514	4.921
			23825	713.5	4.520	4.964
		10	23780	709	8.996	9.856
			23790	710	8.991	9.631
			23800	711	8.960	9.875

LTE Band 66						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	131979	1710.7	1.095	1.229
			132322	1745	1.093	1.230
			132665	1779.3	1.094	1.234
		3	131987	1711.5	2.697	2.966
			132322	1745	2.704	2.948
			132657	1778.5	2.705	3.014
		5	131997	1712.5	4.538	4.986
			132322	1745	4.523	4.891
			132647	1777.5	4.514	4.916
		10	132022	1715	8.990	9.681
			132322	1745	8.974	9.735
			132622	1775	8.992	9.784
		15	132047	1717.5	13.439	14.574
			132322	1745	13.474	14.487
			132597	1772.5	13.471	14.512
		20	132072	1720	17.940	19.203
			132322	1745	17.945	19.462
			132572	1770	17.966	19.468



16QAM	1.4	131979	1710.7	1.094	1.247	
		132322	1745	1.096	1.236	
		132665	1779.3	1.087	1.219	
	3	131987	1711.5	2.698	3.053	
		132322	1745	2.697	2.983	
		132657	1778.5	2.698	3.007	
	5	131997	1712.5	4.500	4.903	
		132322	1745	4.533	4.921	
		132647	1777.5	4.515	5.003	
	10	132022	1715	9.014	9.828	
		132322	1745	8.970	9.686	
		132622	1775	8.995	9.790	
	15	132047	1717.5	13.452	14.474	
		132322	1745	13.488	14.613	
		132597	1772.5	13.435	14.706	
	20	132072	1720	17.948	19.409	
		132322	1745	17.995	19.439	
		132572	1770	17.980	19.336	
	64QAM	1.4	131979	1710.7	1.094	1.244
			132322	1745	1.090	1.240
			132665	1779.3	1.096	1.231
		3	131987	1711.5	2.701	2.988
			132322	1745	2.708	3.017
			132657	1778.5	2.689	3.011
		5	131997	1712.5	4.513	4.947
			132322	1745	4.522	4.967
			132647	1777.5	4.517	4.915
10		132022	1715	8.986	9.785	
		132322	1745	9.010	9.844	
		132622	1775	8.985	9.728	
15		132047	1717.5	13.429	14.629	
		132322	1745	13.486	14.586	
		132597	1772.5	13.482	14.500	
20		132072	1720	17.947	19.186	
		132322	1745	17.991	19.416	
		132572	1770	17.961	19.182	



CA_7C	PCC		SCC1		Bandwidth(MHz)	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth (MHz)
CA_7C_10MHz+20MHz_QPSK	21006	2525.6	21150	2540	28.20	30.26
CA_7C_10MHz+20MHz_16QAM	21006	2525.6	21150	2540	28.11	30.18
CA_7C_10MHz+20MHz_64QAM	21006	2525.6	21150	2540	28.07	30.14
CA_7C_20MHz+10MHz_QPSK	21051	2530.1	21195	2544.5	28.25	30.45
CA_7C_20MHz+10MHz_16QAM	21051	2530.1	21195	2544.5	28.25	30.23
CA_7C_20MHz+10MHz_64QAM	21051	2530.1	21195	2544.5	28.25	30.15
CA_7C_15MHz+15MHz_QPSK	21025	2527.5	21175	2542.5	28.83	31.02
CA_7C_15MHz+15MHz_16QAM	21025	2527.5	21175	2542.5	28.77	30.84
CA_7C_15MHz+15MHz_64QAM	21025	2527.5	21175	2542.5	28.75	30.99
CA_7C_15MHz+20MHz_QPSK	21003	2525.3	21174	2542.4	33.04	35.41
CA_7C_15MHz+20MHz_16QAM	21003	2525.3	21174	2542.4	33.00	35.23
CA_7C_15MHz+20MHz_64QAM	21003	2525.3	21174	2542.4	32.99	35.18
CA_7C_20MHz+15MHz_QPSK	21026	2527.6	21197	2544.7	33.04	35.31
CA_7C_20MHz+15MHz_16QAM	21026	2527.6	21197	2544.7	33.00	35.34
CA_7C_20MHz+15MHz_64QAM	21026	2527.6	21197	2544.7	32.97	35.28
CA_7C_20MHz+20MHz_QPSK	21001	2525.1	21199	2544.9	37.91	40.45
CA_7C_20MHz+20MHz_16QAM	21001	2525.1	21199	2544.9	37.92	40.33
CA_7C_20MHz+20MHz_64QAM	21001	2525.1	21199	2544.9	37.86	40.21

NR n7						
RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
100%	BPSK	20	502000	2510	18.420	20.19
			507000	2535	18.396	20.18
			512000	2560	18.345	20.23
	QPSK	20	502000	2510	18.393	20.16
			507000	2535	18.412	20.15
			512000	2560	18.342	20.20
	16QAM	20	502000	2510	18.391	20.16
			507000	2535	18.442	20.32
			512000	2560	18.339	20.21
	64QAM	20	502000	2510	18.396	20.14
			507000	2535	18.372	20.19
			512000	2560	18.394	20.14
256QAM	20	502000	2510	18.378	20.24	
		507000	2535	18.410	20.21	
		512000	2560	18.360	20.07	



RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc
		(MHz)			Bandwidth(MHz)	Bandwidth(MHz)
1%	BPSK	20	502000	2510	2.1808	2.800
			507000	2535	2.1505	2.831
			512000	2560	2.1111	2.768
	QPSK	20	502000	2510	2.1368	2.838
			507000	2535	2.1908	2.830
			512000	2560	2.1421	2.841
	16QAM	20	502000	2510	2.1570	2.869
			507000	2535	2.1481	2.848
			512000	2560	2.1454	2.864
	64QAM	20	502000	2510	2.1905	2.893
			507000	2535	2.1875	2.825
			512000	2560	2.1378	2.857
256QAM	20	502000	2510	2.1842	2.838	
		507000	2535	2.1600	2.886	
		512000	2560	2.1105	2.939	

NR n41						
RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc
		(MHz)			Bandwidth(MHz)	Bandwidth(MHz)
100%	BPSK	100	509202	2546.01	96.183	99.68
			518598	2592.99	95.769	99.40
			528000	2640	96.396	99.59
	QPSK	100	509202	2546.01	96.241	99.54
			518598	2592.99	95.882	99.39
			528000	2640	96.294	99.45
	16QAM	100	509202	2546.01	96.277	99.49
			518598	2592.99	95.856	99.42
			528000	2640	96.308	99.54
	64QAM	100	509202	2546.01	96.001	99.46
			518598	2592.99	95.962	99.37
			528000	2640	96.152	99.42
	256QAM	100	509202	2546.01	96.351	99.61
			518598	2592.99	96.254	99.54
			528000	2640	96.305	99.49
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
1%	BPSK	100	509202	2546.01	2.4839	3.411



	QPSK	100	518598	2592.99	2.5048	3.358
			528000	2640	2.5585	3.500
			509202	2546.01	2.4623	3.490
	16QAM	100	518598	2592.99	2.4327	3.380
			528000	2640	2.4608	3.272
			509202	2546.01	2.3704	3.297
	64QAM	100	518598	2592.99	2.4543	3.289
			528000	2640	2.4742	3.739
			509202	2546.01	2.4975	3.302
	256QAM	100	518598	2592.99	2.3944	3.167
			528000	2640	2.4749	3.322
			509202	2546.01	2.3857	3.189
			518598	2592.99	2.4717	3.454
			528000	2640	2.4941	3.173

DC_28 A (subset 2)-n41A						
RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
100%	BPSK	100	509202	2546.01	96.280	99.57
			518598	2592.99	95.893	99.51
			528000	2640	96.191	99.44
	QPSK	100	509202	2546.01	96.176	99.47
			518598	2592.99	95.662	99.35
			528000	2640	96.321	99.55
	16QAM	100	509202	2546.01	96.195	99.38
			518598	2592.99	95.699	99.35
			528000	2640	96.280	99.49
	64QAM	100	509202	2546.01	96.205	99.41
			518598	2592.99	95.622	99.54
			528000	2640	96.299	99.64
	256QAM	100	509202	2546.01	96.228	99.48
			518598	2592.99	95.830	99.30
			528000	2640	96.252	99.61



RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
1%	BPSK	100	509202	2546.01	2.4732	3.496
			518598	2592.99	2.4526	3.405
			528000	2640	2.4129	3.312
	QPSK	100	509202	2546.01	2.4464	3.480
			518598	2592.99	2.5102	3.359
			528000	2640	2.4056	3.330
	16QAM	100	509202	2546.01	2.4109	3.239
			518598	2592.99	2.3566	3.249
			528000	2640	2.4863	3.254
	64QAM	100	509202	2546.01	2.3062	3.115
			518598	2592.99	2.3984	3.435
			528000	2640	2.4841	3.361
256QAM	100	509202	2546.01	2.3504	3.162	
		518598	2592.99	2.4266	3.221	
		528000	2640	2.5872	3.500	

NR n66						
RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
100%	BPSK	20	344000	1720	18.283	20.19
			349000	1745	18.387	20.23
			354000	1770	18.368	20.16
	QPSK	20	344000	1720	18.352	20.17
			349000	1745	18.399	20.24
			354000	1770	18.336	20.14
	16QAM	20	344000	1720	18.284	20.11
			349000	1745	18.408	20.17
			354000	1770	18.379	20.19
	64QAM	20	344000	1720	18.277	20.08
			349000	1745	18.358	20.16
			354000	1770	18.343	20.14
	256QAM	20	344000	1720	18.288	20.20
			349000	1745	18.384	20.20
			354000	1770	18.322	20.15



RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
1%	BPSK	20	344000	1720	2.1742	2.899
			349000	1745	2.1663	2.880
			354000	1770	2.1580	2.912
	QPSK	20	344000	1720	2.1755	2.845
			349000	1745	2.1489	2.839
			354000	1770	2.1581	2.887
	16QAM	20	344000	1720	2.1529	2.853
			349000	1745	2.1821	2.847
			354000	1770	2.1663	2.824
	64QAM	20	344000	1720	2.1678	2.863
			349000	1745	2.1981	2.881
			354000	1770	2.1959	2.971
256QAM	20	344000	1720	2.1303	2.809	
		349000	1745	2.1289	2.784	
		354000	1770	2.1791	2.878	

DC_5A-n66A						
RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
100%	BPSK	20	344000	1720	18.355	19.98
			349000	1745	18.424	20.18
			354000	1770	18.465	20.22
	QPSK	20	344000	1720	18.312	20.10
			349000	1745	18.420	20.23
			354000	1770	18.385	20.15
	16QAM	20	344000	1720	18.320	20.15
			349000	1745	18.329	20.14
			354000	1770	18.414	20.18
	64QAM	20	344000	1720	18.327	20.07
			349000	1745	18.366	20.16
			354000	1770	18.344	20.03
	256QAM	20	344000	1720	18.393	20.13
			349000	1745	18.366	20.19
			354000	1770	18.328	20.13



RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
1%	BPSK	20	344000	1720	2.2031	2.886
			349000	1745	2.1566	2.930
			354000	1770	2.1505	2.875
	QPSK	20	344000	1720	2.1872	2.916
			349000	1745	2.1886	2.963
			354000	1770	2.1677	2.887
	16QAM	20	344000	1720	2.1748	2.890
			349000	1745	2.1789	2.922
			354000	1770	2.1396	2.876
	64QAM	20	344000	1720	2.1610	3.053
			349000	1745	2.1796	2.847
			354000	1770	2.1613	2.857
256QAM	20	344000	1720	2.1681	2.856	
		349000	1745	2.1534	2.875	
		354000	1770	2.1354	2.845	

NR n77 subset 1						
RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
100%	BPSK	100	633334	3500	96.236	99.56
	QPSK	100	633334	3500	96.425	99.64
	16QAM	100	633334	3500	96.200	99.61
	64QAM	100	633334	3500	96.179	99.61
	256QAM	100	633334	3500	96.245	99.62
1	BPSK	100	633334	3500	2.3921	3.194
	QPSK	100	633334	3500	2.4349	3.366
	16QAM	100	633334	3500	2.5941	3.444
	64QAM	100	633334	3500	2.4798	3.375
	256QAM	100	633334	3500	2.3461	3.153

DC_5A-n77 subset 1A						
RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
100%	BPSK	100	633334	3500	96.371	99.56
	QPSK	100	633334	3500	96.356	99.43



	16QAM	100	633334	3500	96.291	99.80
	64QAM	100	633334	3500	96.343	99.46
	256QAM	100	633334	3500	96.364	99.46
RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
1%	BPSK	100	633334	3500	2.4479	3.309
	QPSK	100	633334	3500	2.4790	3.383
	16QAM	100	633334	3500	2.4658	3.469
	64QAM	100	633334	3500	2.3210	3.156
	256QAM	100	633334	3500	2.3643	3.112

NR n77 subset 2						
RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
100%	BPSK	100	650000	3750	96.188	99.71
			656000	3840	96.297	99.45
			662000	3930	96.133	99.55
	QPSK	100	650000	3750	96.306	99.46
			656000	3840	96.102	99.48
			662000	3930	96.470	99.64
	16QAM	100	650000	3750	96.136	99.42
			656000	3840	96.401	99.53
			662000	3930	96.163	99.63
	64QAM	100	650000	3750	96.432	99.52
			656000	3840	96.193	99.55
			662000	3930	96.259	99.43
	256QAM	100	650000	3750	96.101	99.53
			656000	3840	96.134	99.62
			662000	3930	96.263	99.55
RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
1%	BPSK	100	650000	3750	2.4091	3.294
			656000	3840	2.4042	3.167
			662000	3930	2.3169	3.096
	QPSK	100	650000	3750	2.4571	3.329
			656000	3840	2.4736	3.567
			662000	3930	2.4283	3.279



	16QAM	100	650000	3750	2.4094	3.169
			656000	3840	2.4326	3.29
			662000	3930	2.3616	3.115
	64QAM	100	650000	3750	2.4682	3.248
			656000	3840	2.3094	3.087
			662000	3930	2.4147	3.175
	256QAM	100	650000	3750	2.2955	3.266
			656000	3840	2.4353	3.175
			662000	3930	2.3673	3.407

DC_12A-n77 subset 2A						
RB	Modulation	Bandwidth	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
		(MHz)			Bandwidth(MHz)	
100%	BPSK	100	650000	3750	96.272	99.60
			656000	3840	96.226	99.53
			662000	3930	96.072	99.50
	QPSK	100	650000	3750	96.294	99.49
			656000	3840	96.109	99.64
			662000	3930	95.878	99.55
	16QAM	100	650000	3750	96.170	99.57
			656000	3840	96.149	99.48
			662000	3930	96.260	99.51
	64QAM	100	650000	3750	96.321	99.44
			656000	3840	96.143	99.52
			662000	3930	96.136	99.54
256QAM	100	650000	3750	96.366	99.37	
		656000	3840	96.290	99.59	
		662000	3930	96.471	99.52	
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
1%	BPSK	100	650000	3750	2.3399	3.122
			656000	3840	2.3919	3.242
			662000	3930	2.3948	3.207
	QPSK	100	650000	3750	2.4718	3.187
			656000	3840	2.3503	3.229
			662000	3930	2.4035	3.311
	16QAM	100	650000	3750	2.5394	3.210
656000			3840	2.3464	3.347	



			662000	3930	2.6186	3.336
	64QAM	100	650000	3750	2.4214	3.157
656000			3840	2.3531	3.167	
662000			3930	2.4003	3.161	
	256QAM	100	650000	3750	2.5080	3.198
656000			3840	2.3959	3.236	
662000			3930	2.4016	3.176	



WCDMA Band IV CH-Low

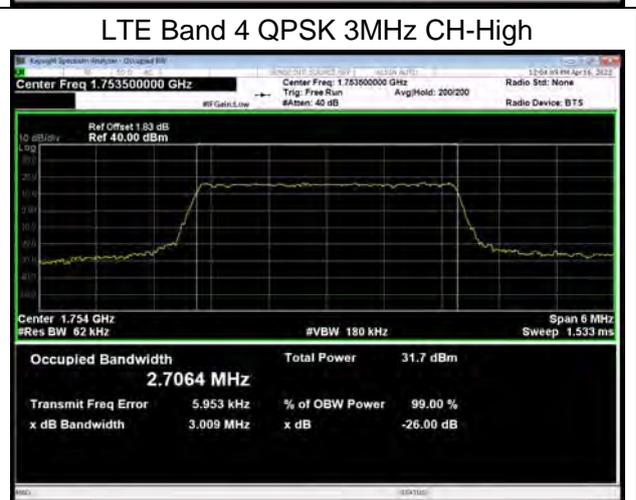
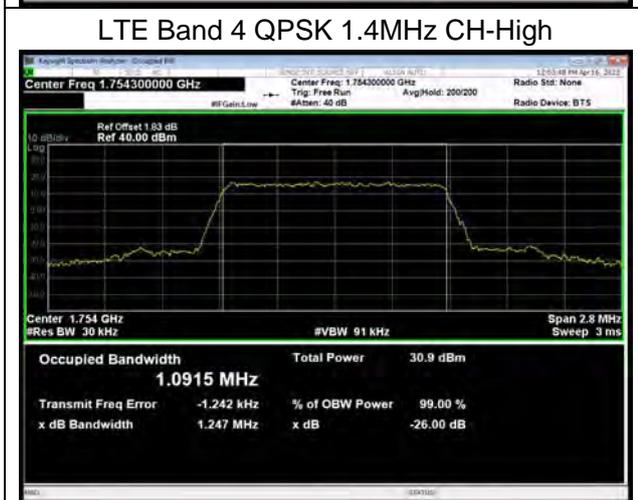
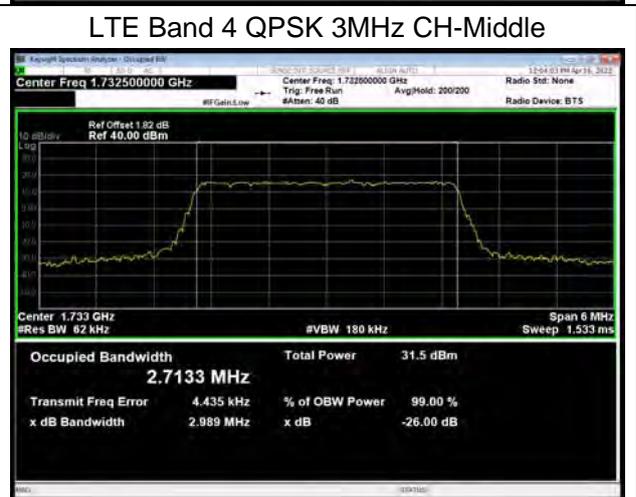
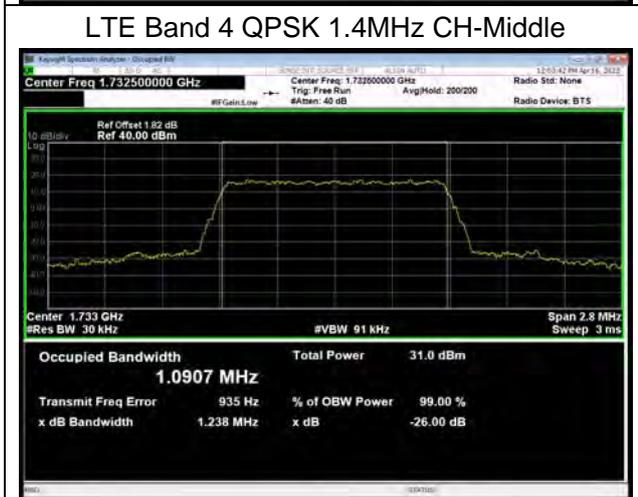
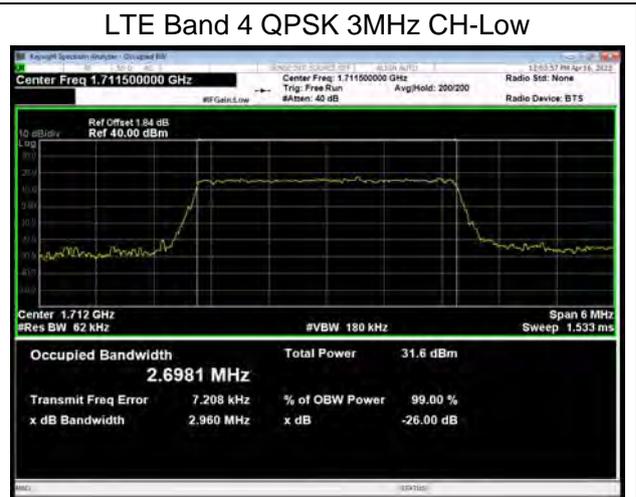
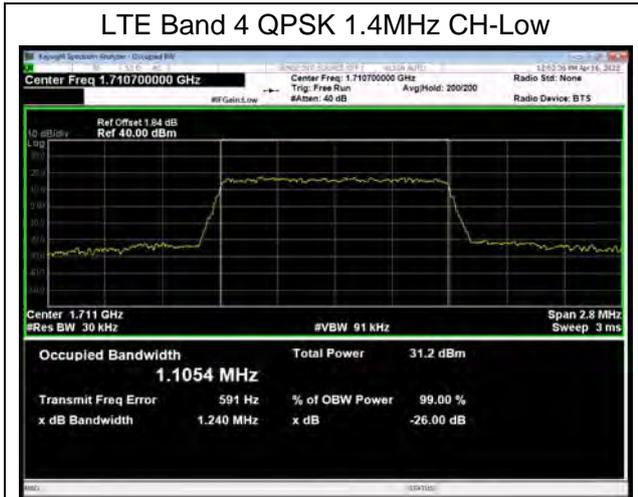


WCDMA Band IV CH Middle



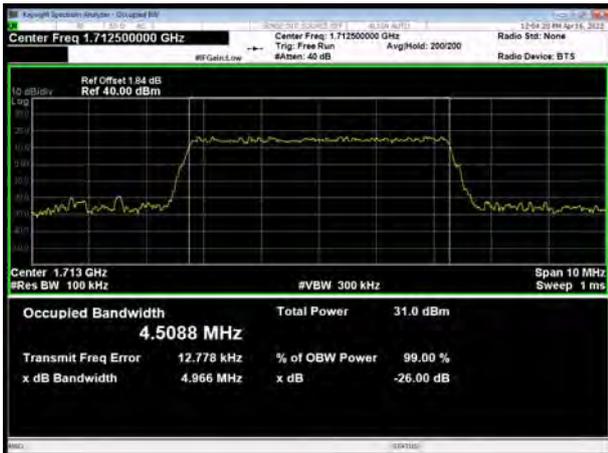
WCDMA Band IV CH High



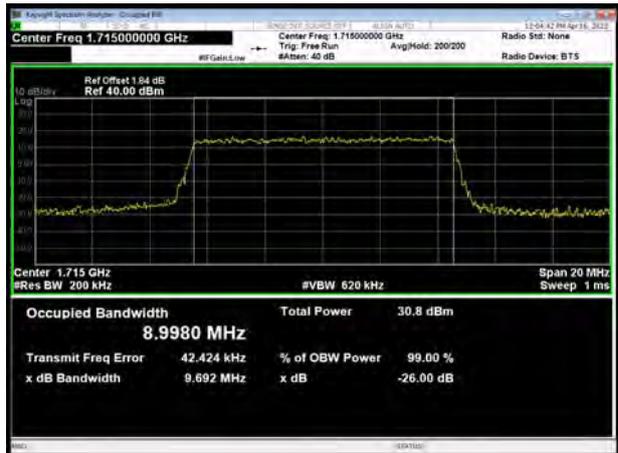




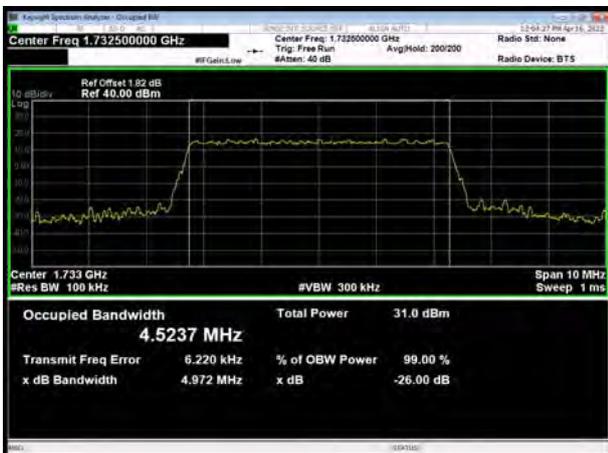
LTE Band 4 QPSK 5MHz CH-Low



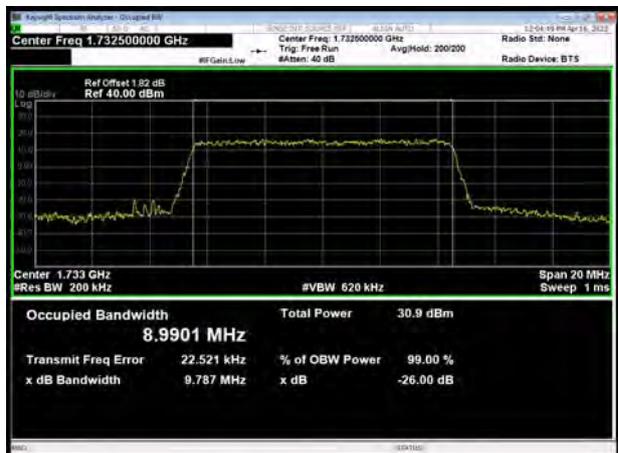
LTE Band 4 QPSK 10MHz CH-Low



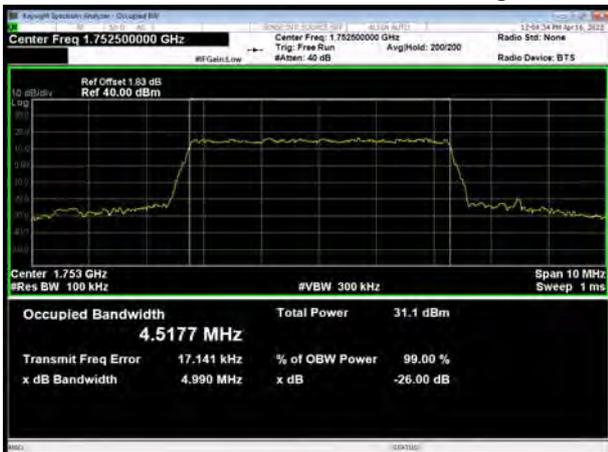
LTE Band 4 QPSK 5MHz CH-Middle



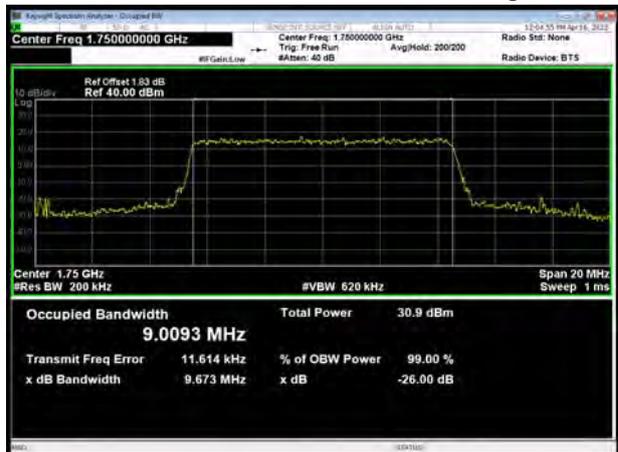
LTE Band 4 QPSK 10MHz CH-Middle



LTE Band 4 QPSK 5MHz CH-High

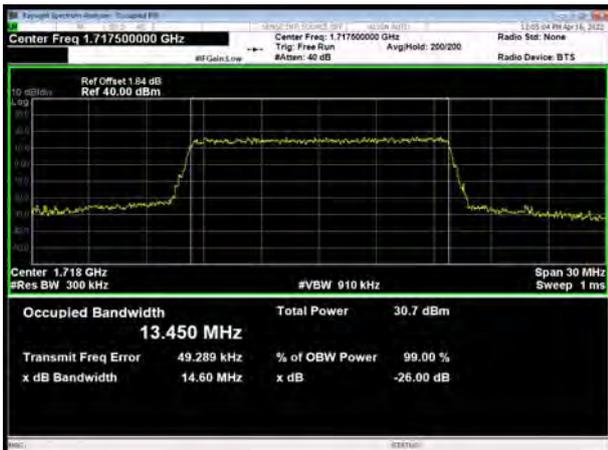


LTE Band 4 QPSK 10MHz CH-High

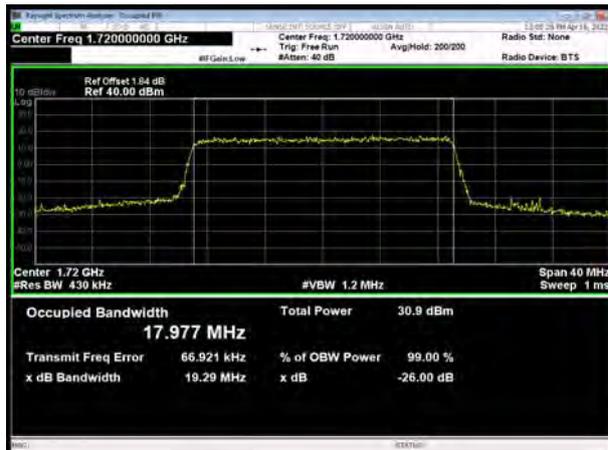




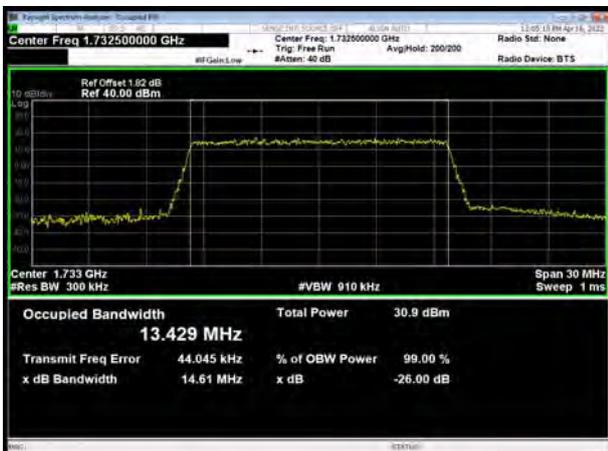
LTE Band 4 QPSK 15MHz CH-Low



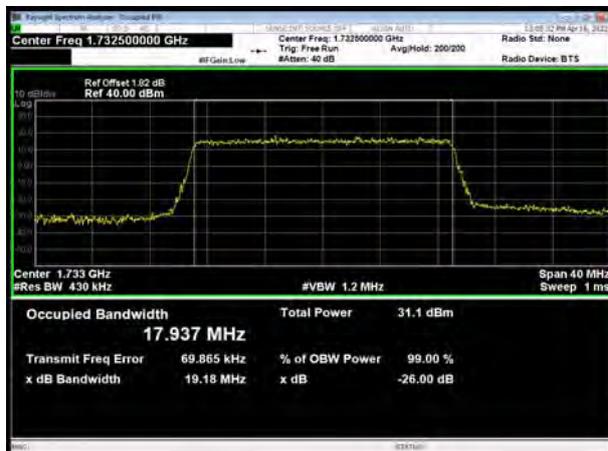
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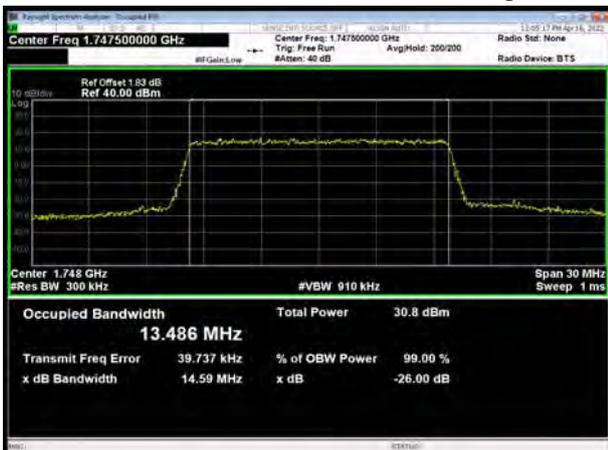
LTE Band 4 QPSK 15MHz CH-Middle



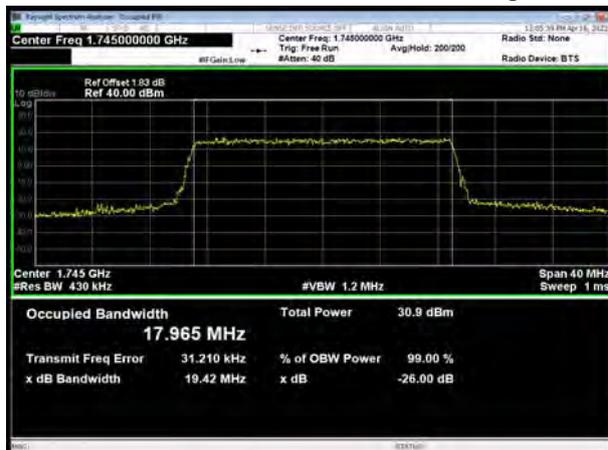
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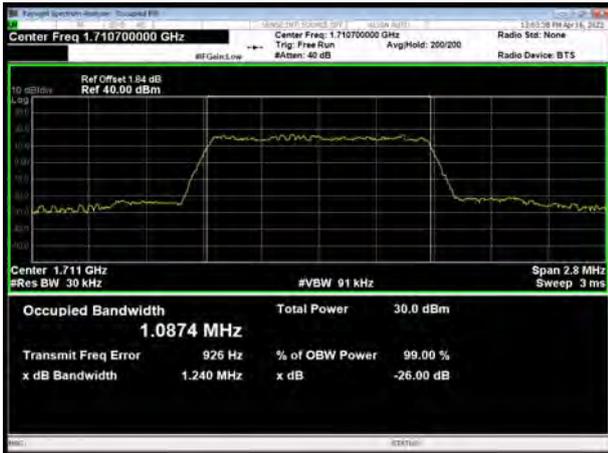


LTE Band 4 QPSK 20MHz CH-High

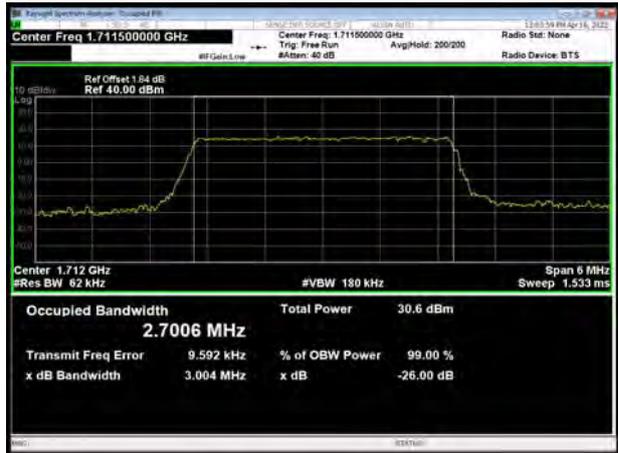




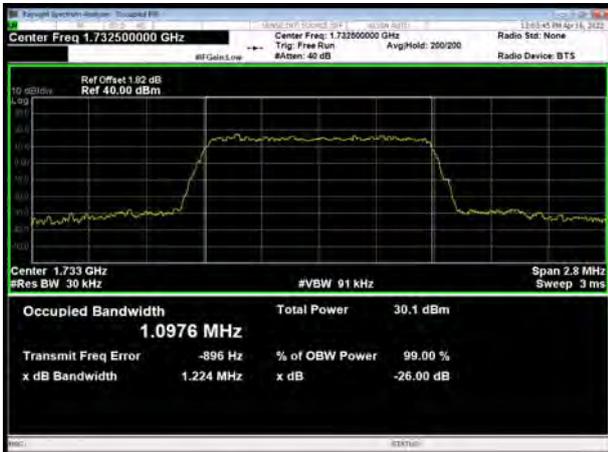
LTE Band 4 16QAM 1.4MHz CH-Low



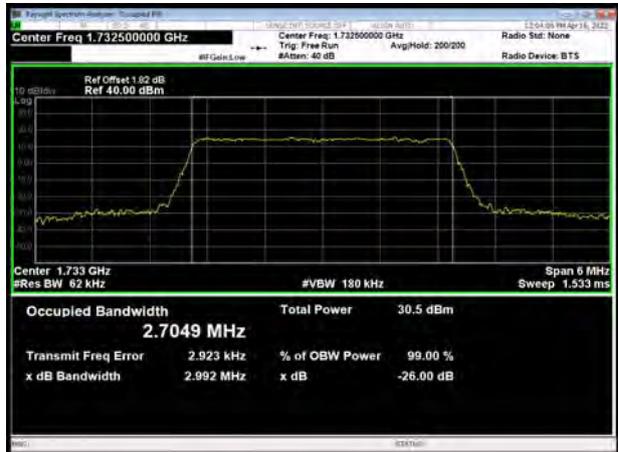
LTE Band 4 16QAM 3MHz CH-Low



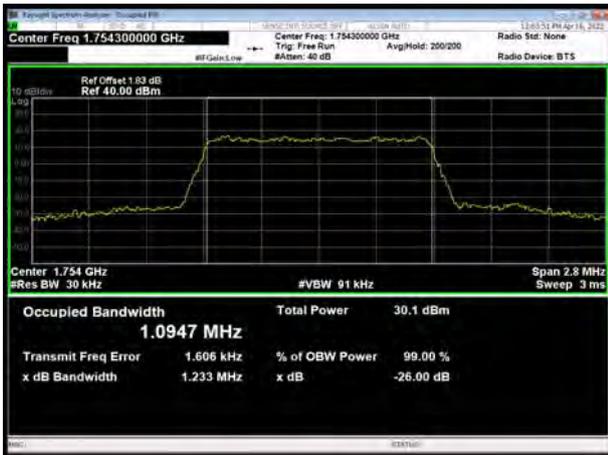
LTE Band 4 16QAM 1.4MHz CH-Middle



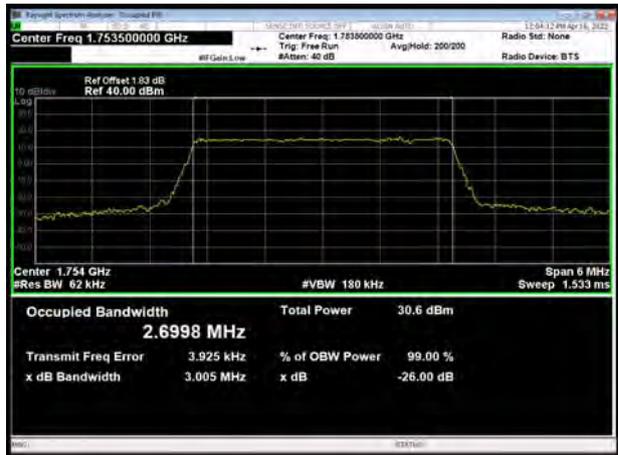
LTE Band 4 16QAM 3MHz CH-Middle



LTE Band 4 16QAM 1.4MHz CH-High

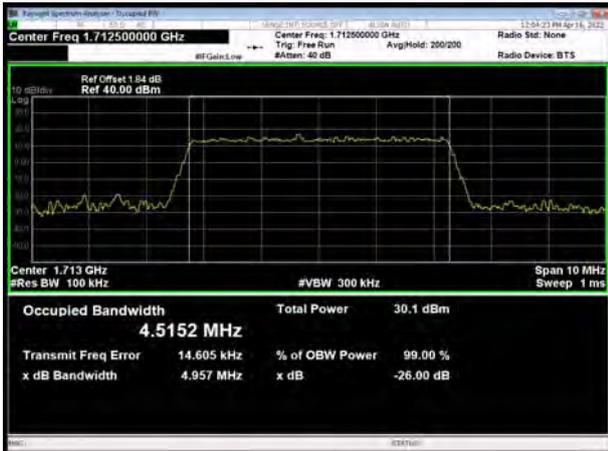


LTE Band 4 16QAM 3MHz CH-High

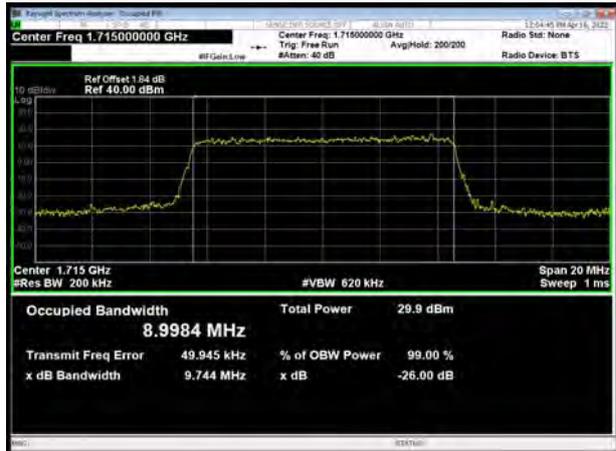




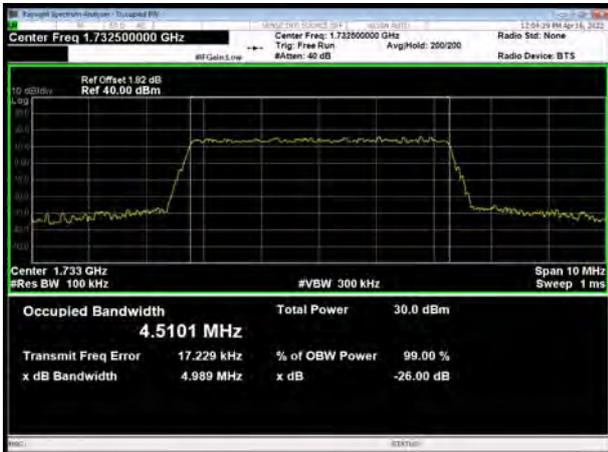
LTE Band 4 16QAM 5MHz CH-Low



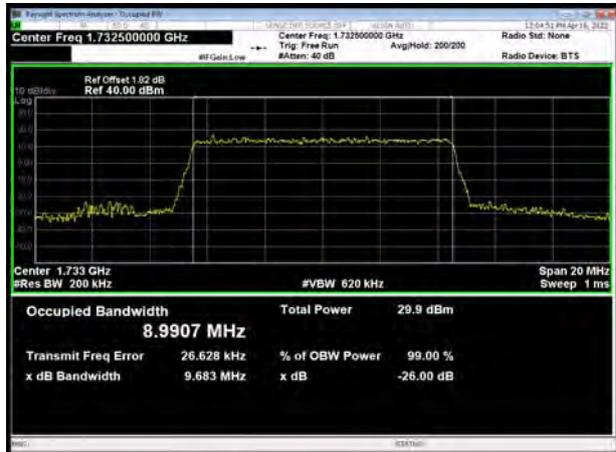
LTE Band 4 16QAM 10MHz CH-Low



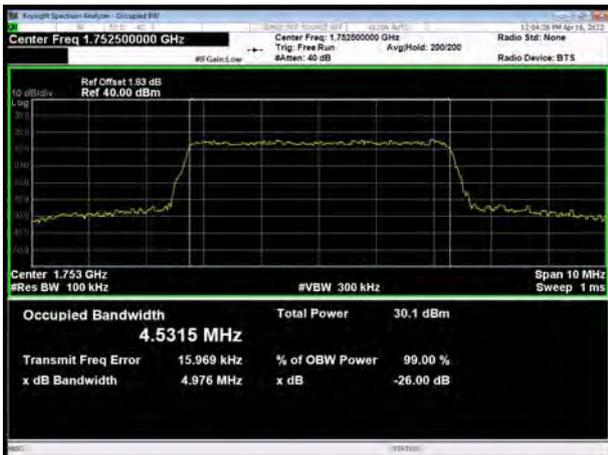
LTE Band 4 16QAM 5MHz CH-Middle



LTE Band 4 16QAM 10MHz CH-Middle



LTE Band 4 16QAM 5MHz CH-High

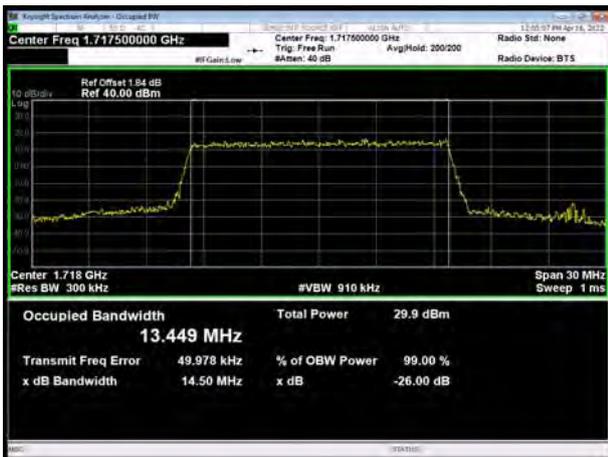


LTE Band 4 16QAM 10MHz CH-High

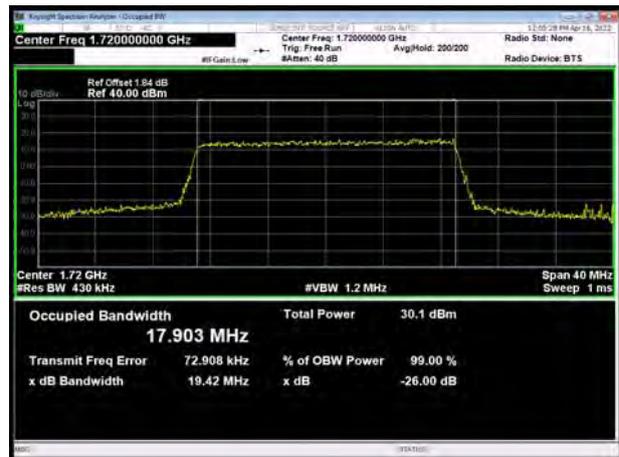




LTE Band 4 16QAM 15MHz CH-Low



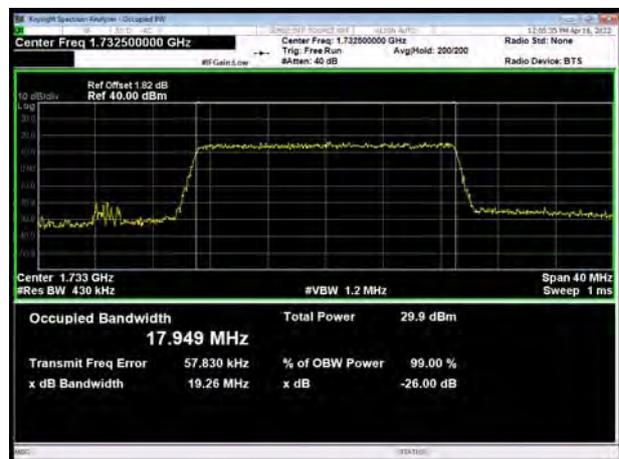
LTE Band 4 16QAM 20MHz CH-Low



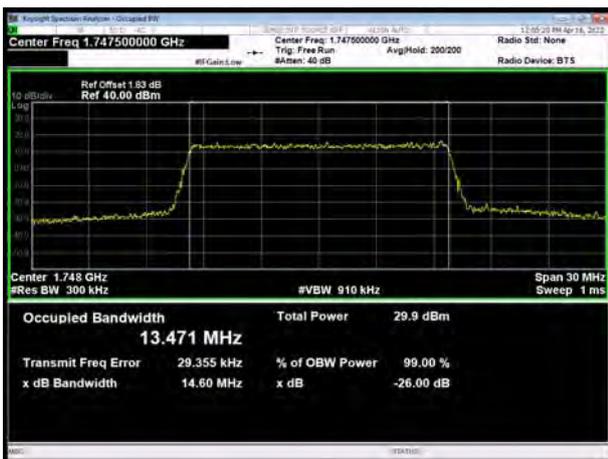
LTE Band 4 16QAM 15MHz CH-Middle



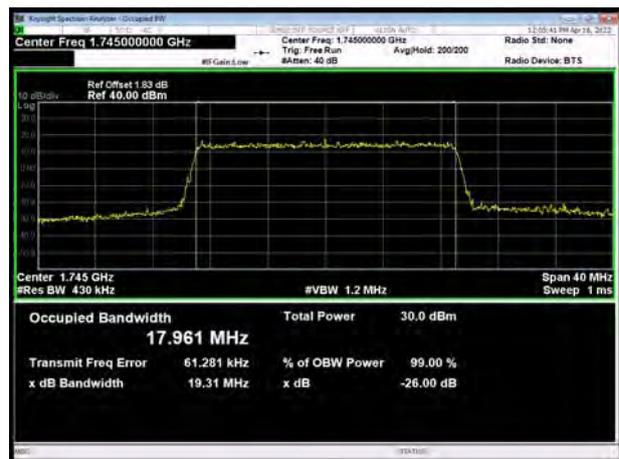
LTE Band 4 16QAM 20MHz CH-Middle



LTE Band 4 16QAM 15MHz CH-High

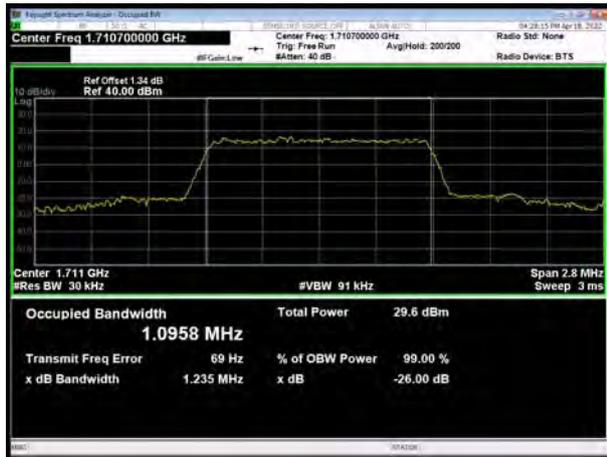


LTE Band 4 16QAM 20MHz CH-High

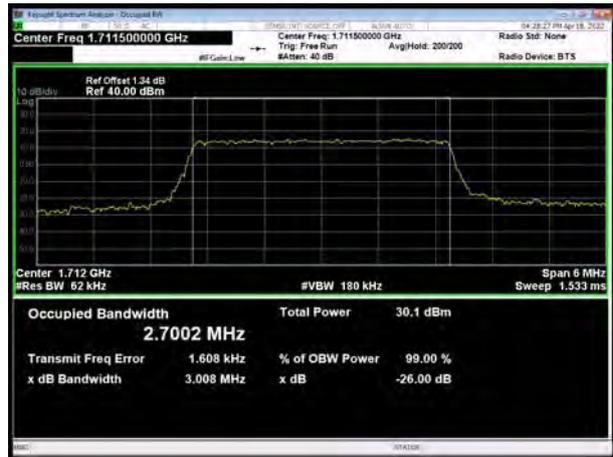




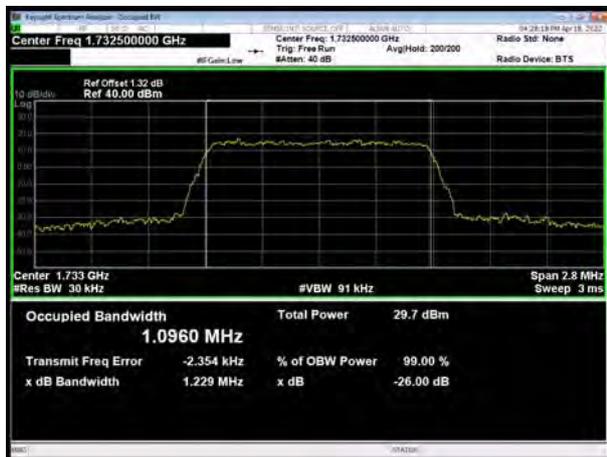
LTE Band 4 1.4MHz 64QAM CH-Low



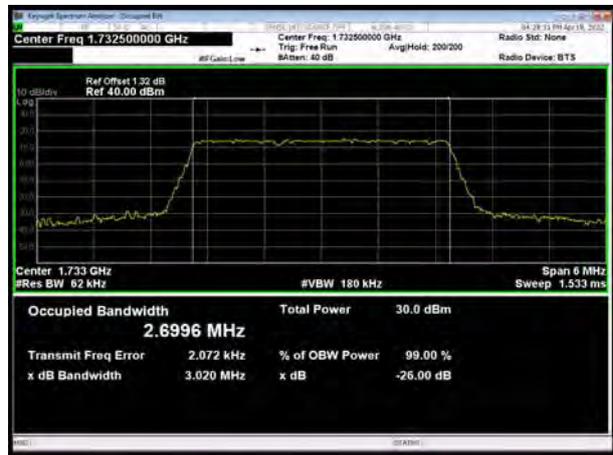
LTE Band 4 3MHz 64QAM CH-Low



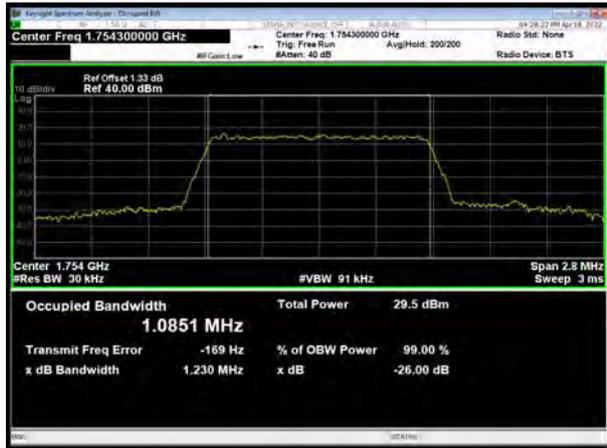
LTE Band 4 1.4MHz 64QAM CH-Middle



LTE Band 4 3MHz 64QAM CH-Middle



LTE Band 4 1.4MHz 64QAM CH-High

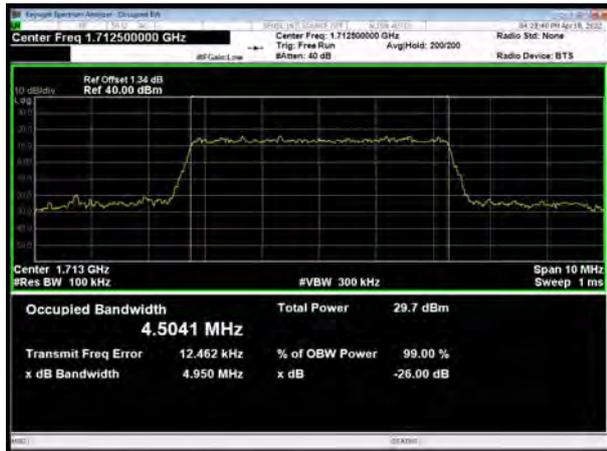


LTE Band 4 3MHz 64QAM CH-High

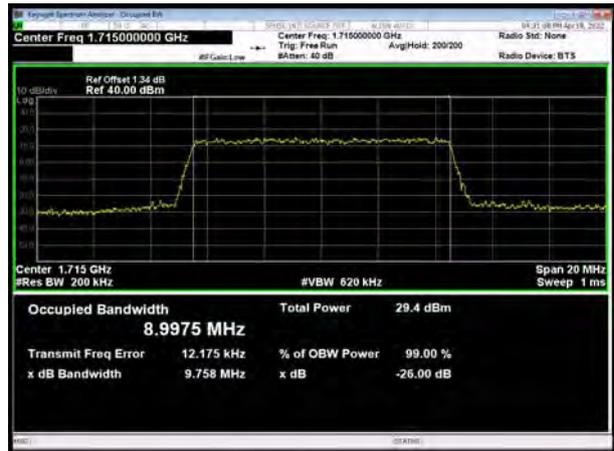




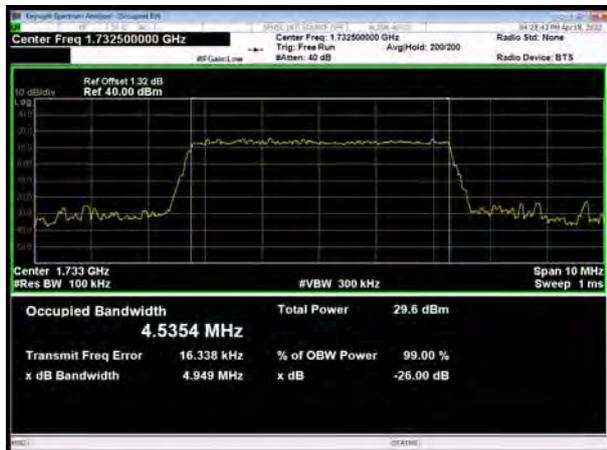
LTE Band 4 5MHz 64QAM CH-Low



LTE Band 4 10MHz 64QAM CH-Low



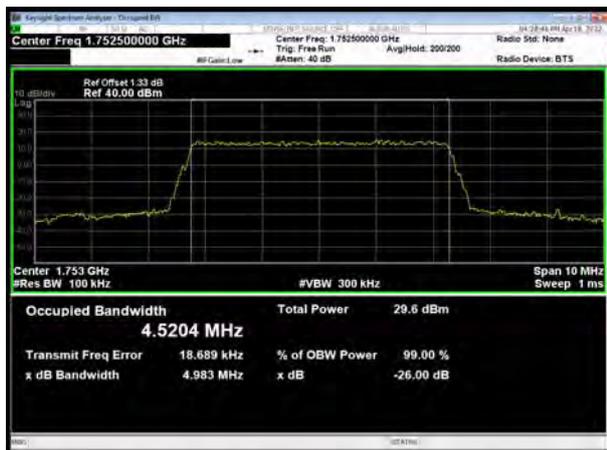
LTE Band 4 5MHz 64QAM CH-Middle



LTE Band 4 10MHz 64QAM CH-Middle



LTE Band 4 5MHz 64QAM CH-High

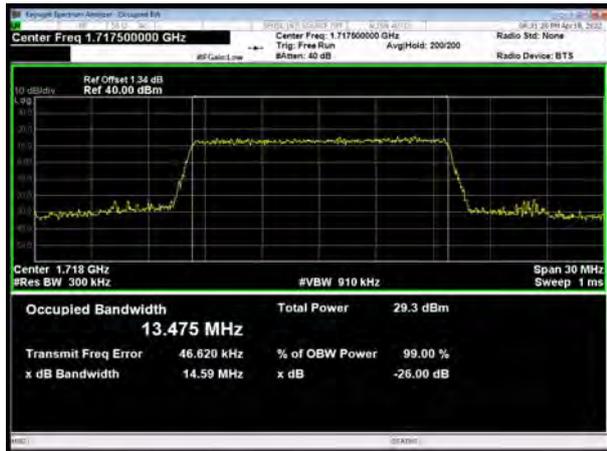


LTE Band 4 10MHz 64QAM CH-High

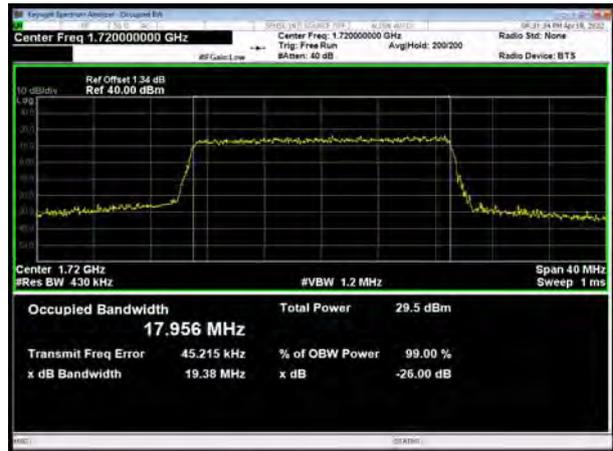




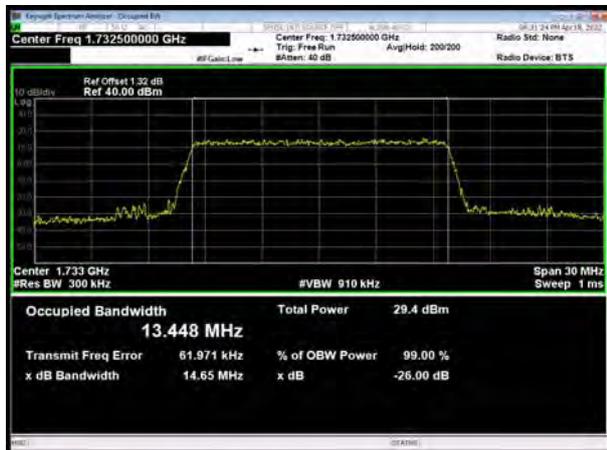
LTE Band 4 15MHz 64QAM CH-Low



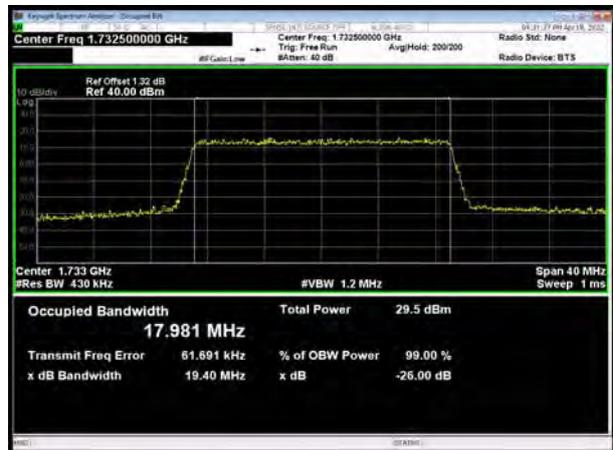
LTE Band 4 20MHz 64QAM CH-Low



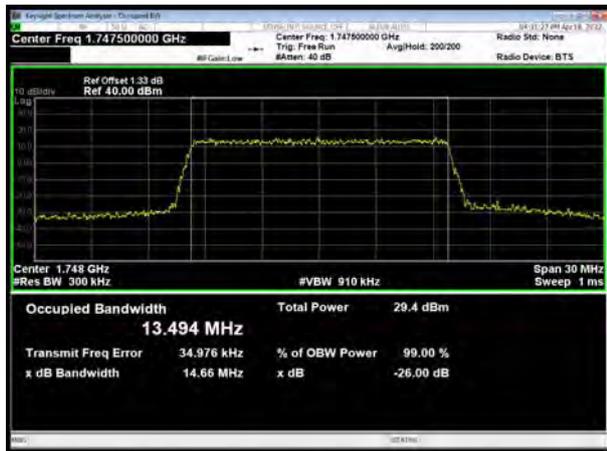
LTE Band 4 15MHz 64QAM CH-Middle



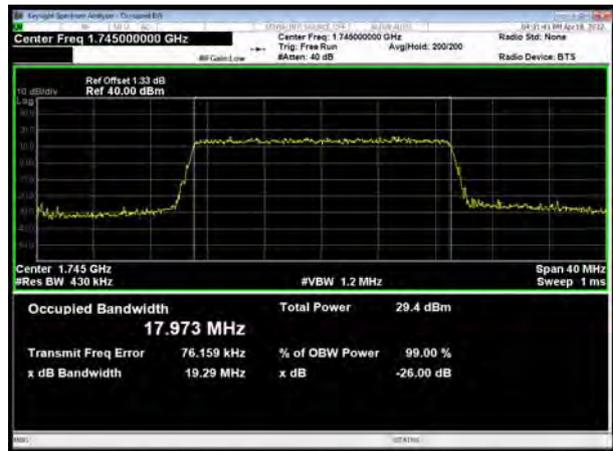
LTE Band 4 20MHz 64QAM CH-Middle



LTE Band 4 15MHz 64QAM CH-High

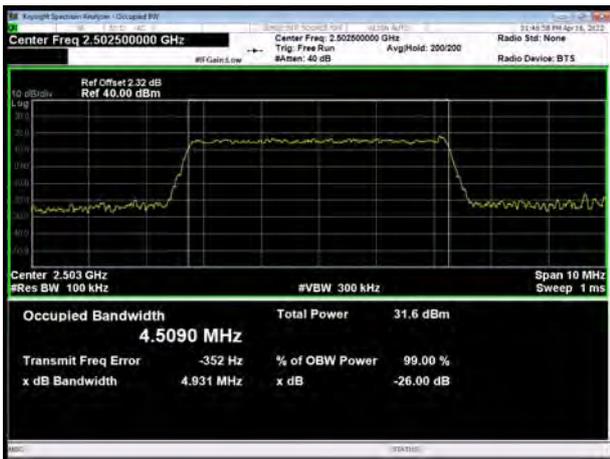


LTE Band 4 20MHz 64QAM CH-High

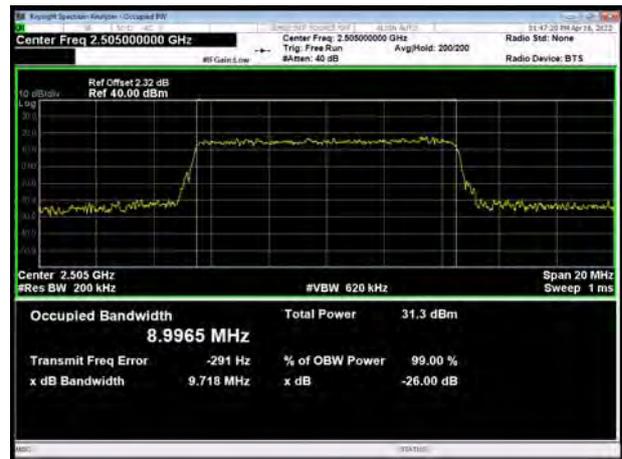




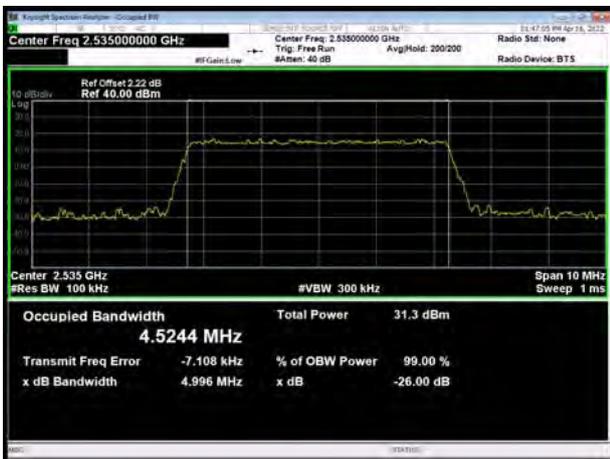
LTE Band 7 QPSK 5MHz CH-Low



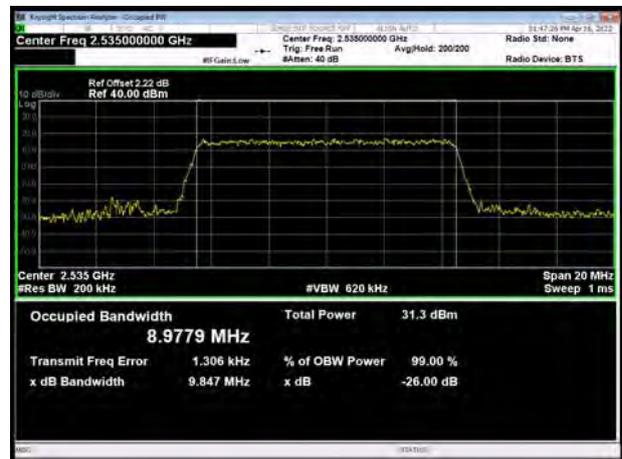
LTE Band 7 QPSK 10MHz CH-Low



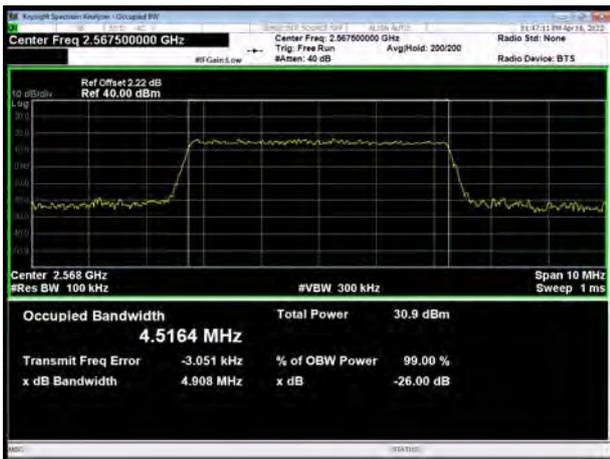
LTE Band 7 QPSK 5MHz CH-Middle



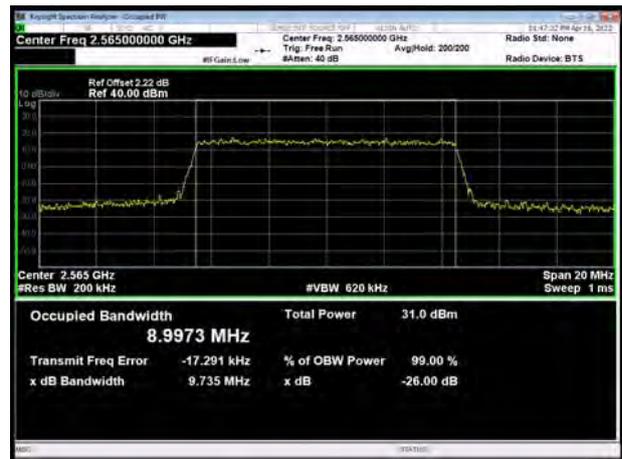
LTE Band 7 QPSK 10MHz CH-Middle



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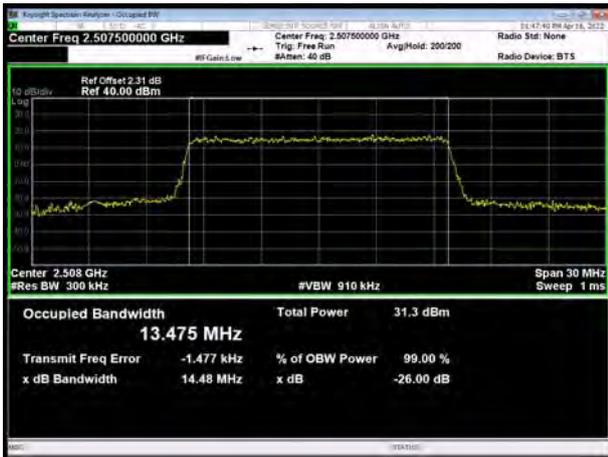


LTE Band 7 QPSK 10MHz CH-High

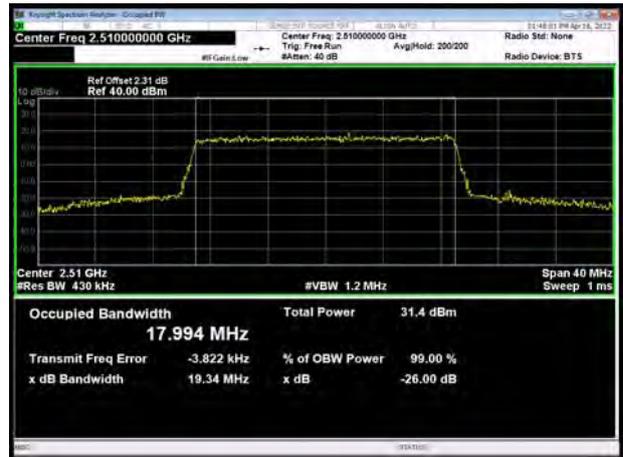




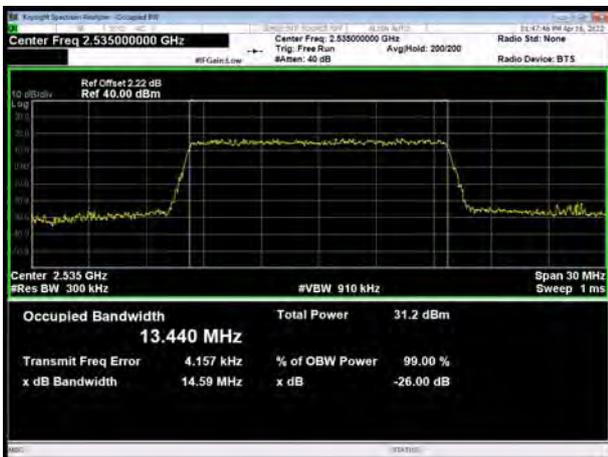
LTE Band 7 QPSK 15MHz CH-Low



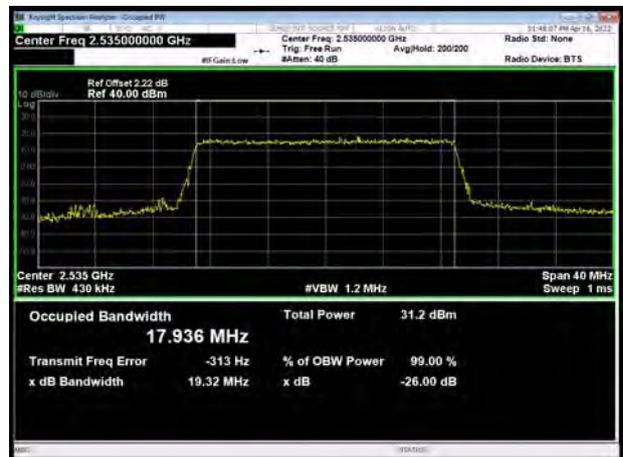
LTE Band 7 QPSK 20MHz CH-Low



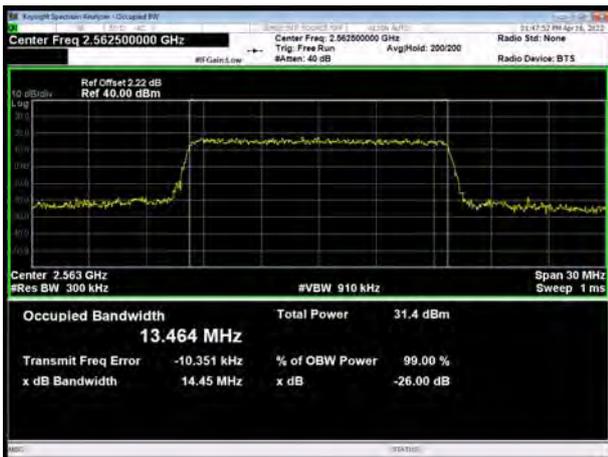
LTE Band 7 QPSK 15MHz CH-Middle



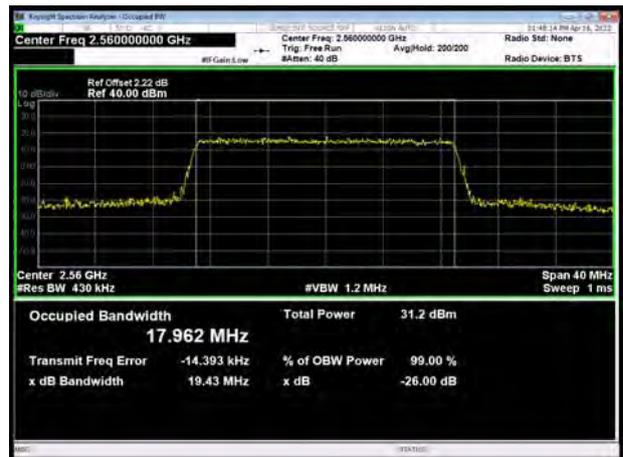
LTE Band 7 QPSK 20MHz CH-Middle



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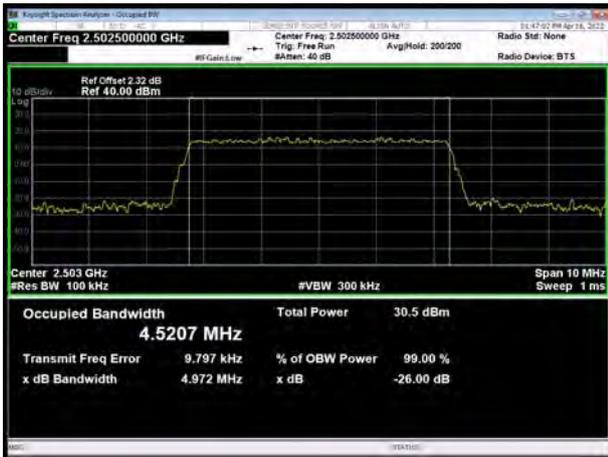


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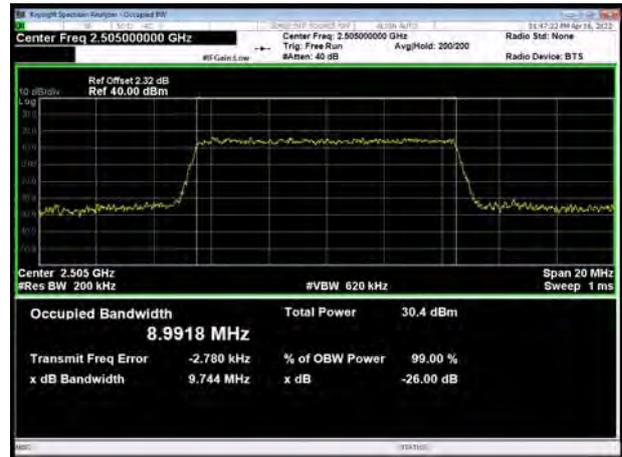




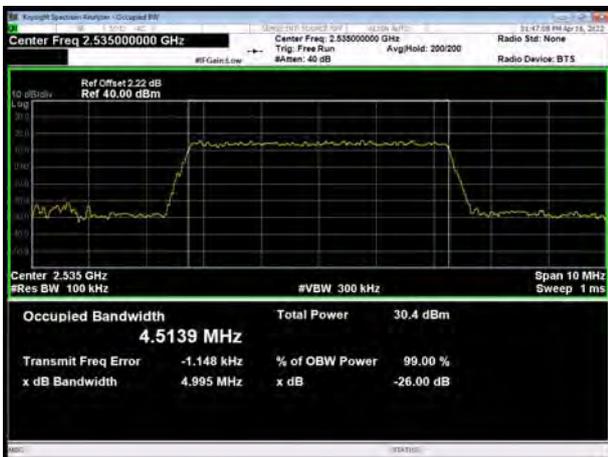
LTE Band 7 16QAM 5MHz CH-Low



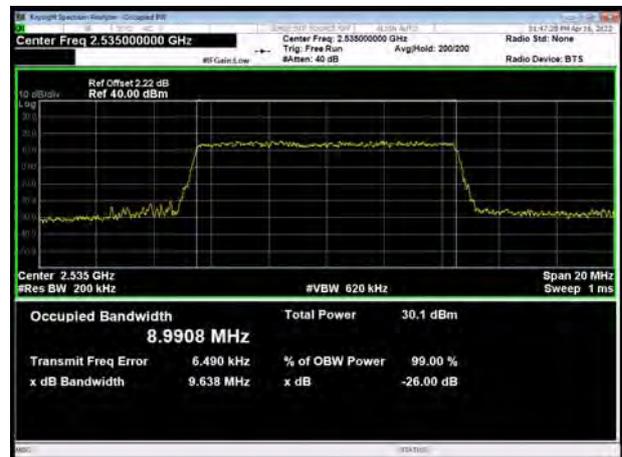
LTE Band 7 16QAM 10MHz CH-Low



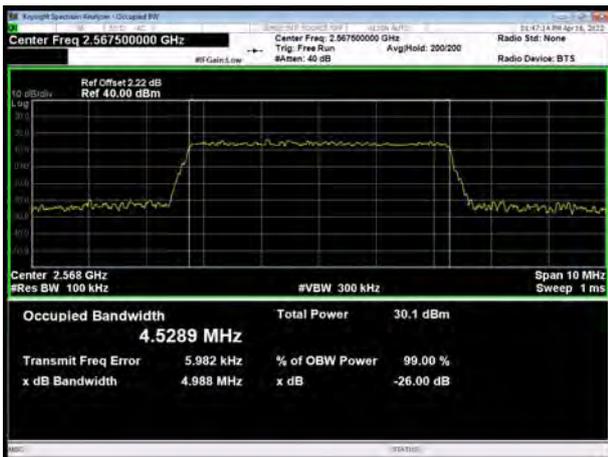
LTE Band 7 16QAM 5MHz CH-Middle



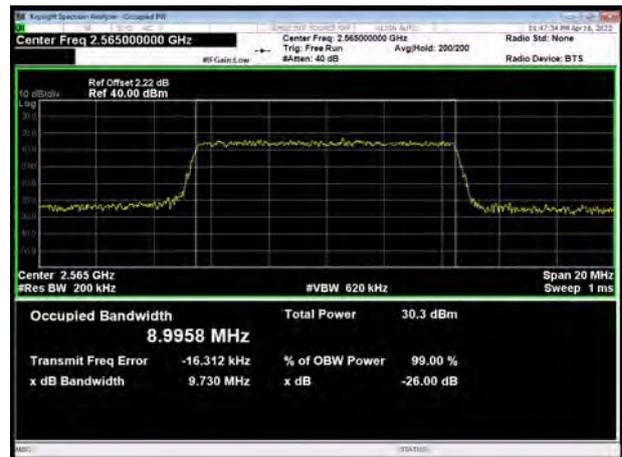
LTE Band 7 16QAM 10MHz CH-Middle



LTE Band 7 16QAM 5MHz CH-High

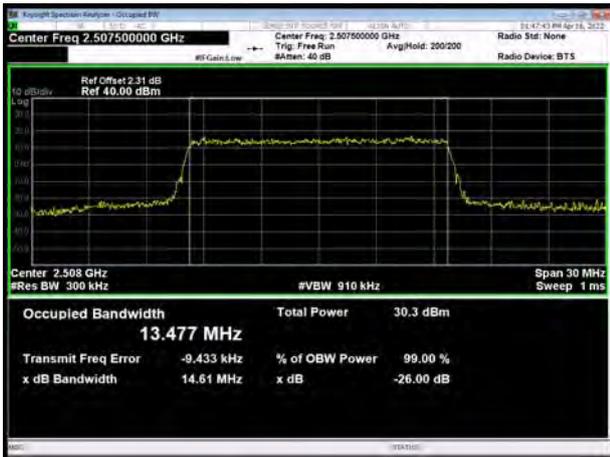


LTE Band 7 16QAM 10MHz CH-High

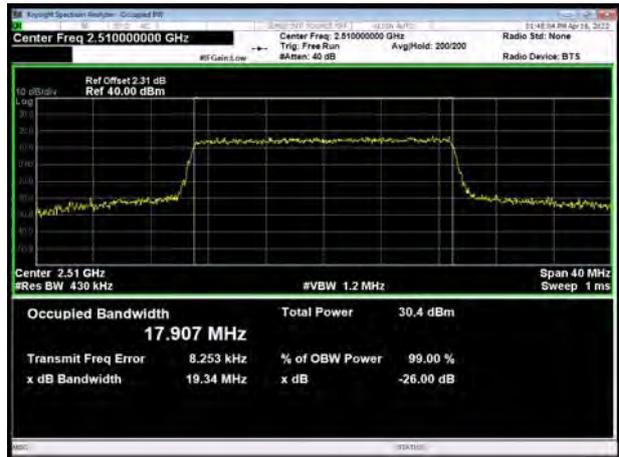




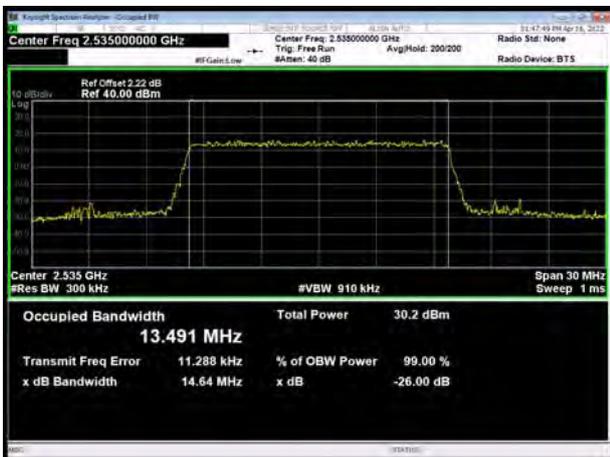
LTE Band 7 16QAM 15MHz CH-Low



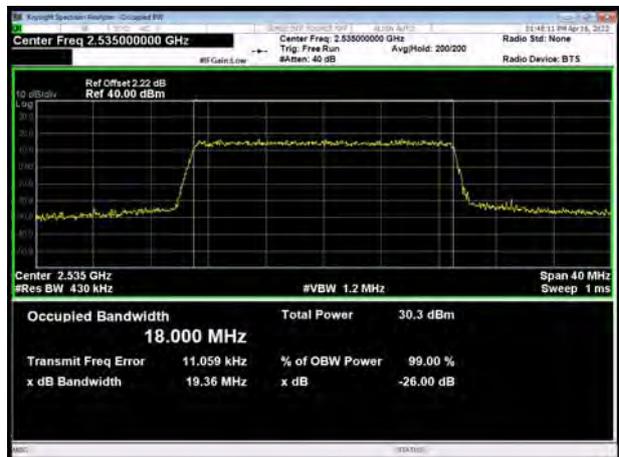
LTE Band 7 16QAM 20MHz CH-Low



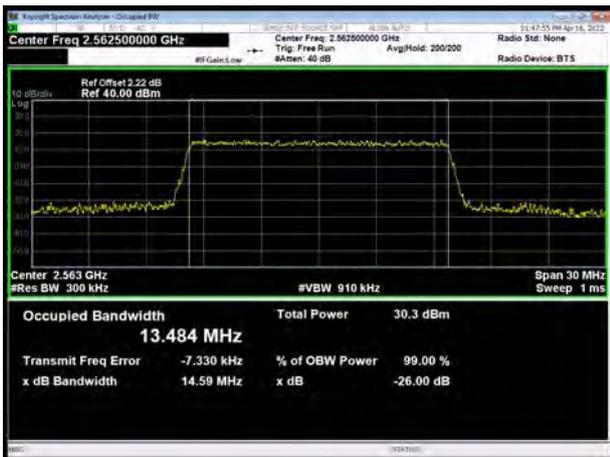
LTE Band 7 16QAM 15MHz CH-Middle



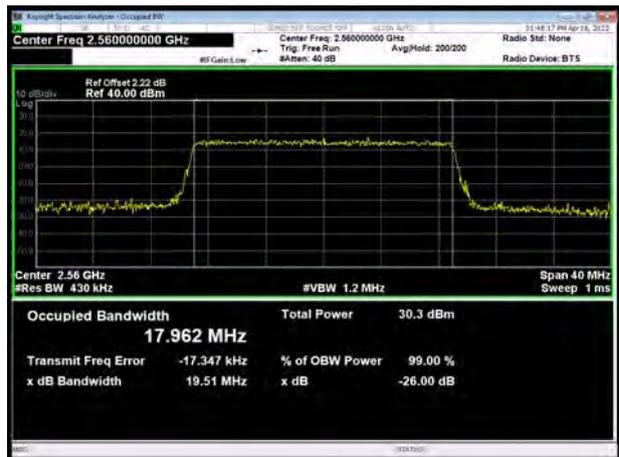
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LTE Band 7 16QAM 15MHz CH-High

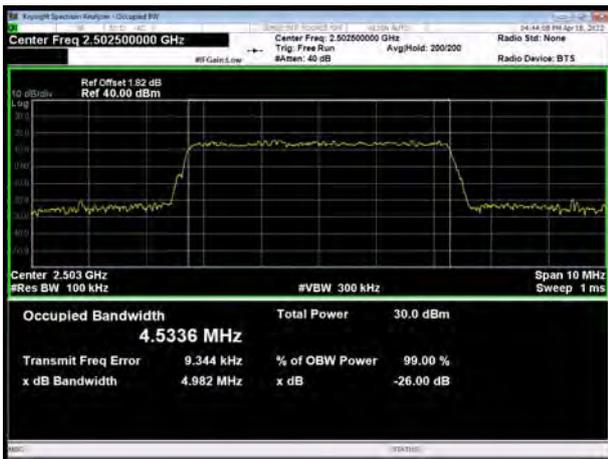


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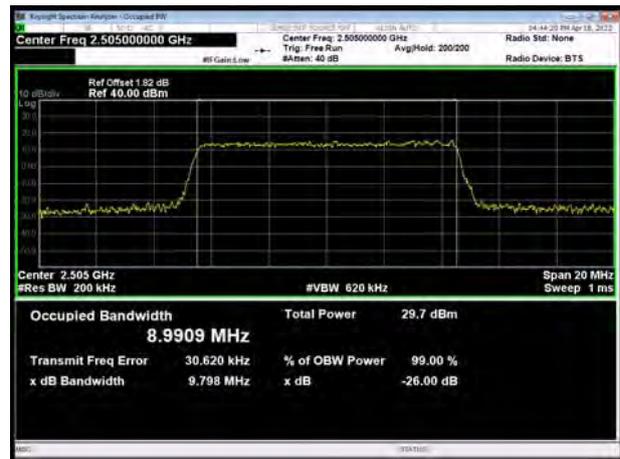




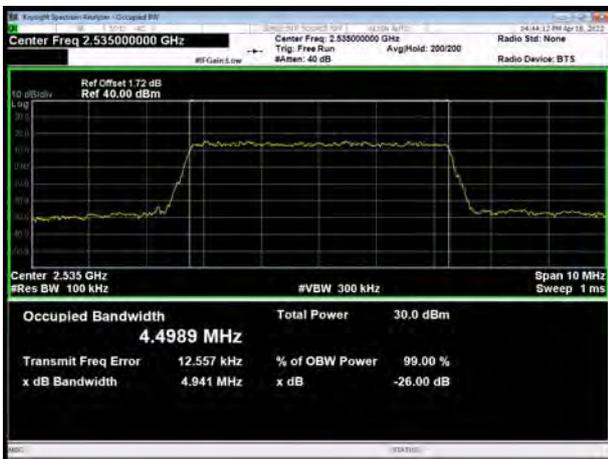
LTE Band 7 64QAM 5MHz CH-Low



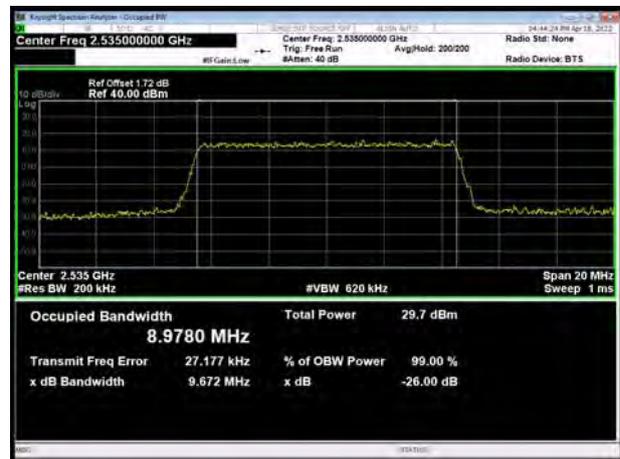
LTE Band 7 64QAM 10MHz CH-Low



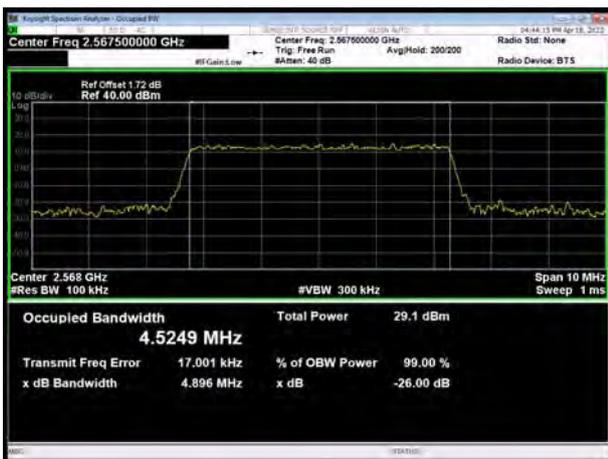
LTE Band 7 64QAM 5MHz CH-Middle



LTE Band 7 64QAM 10MHz CH-Middle



LTE Band 7 64QAM 5MHz CH-High

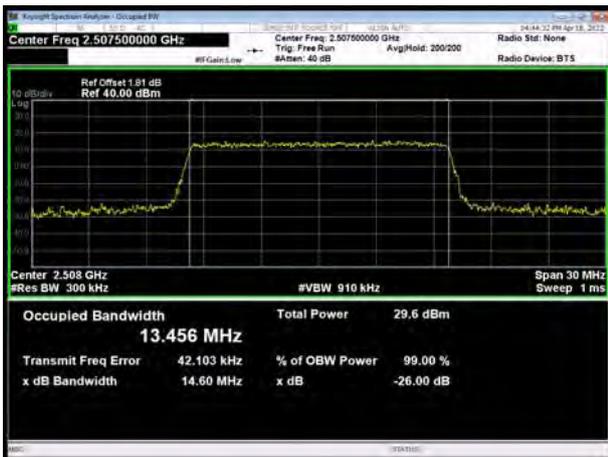


LTE Band 7 64QAM 10MHz CH-High





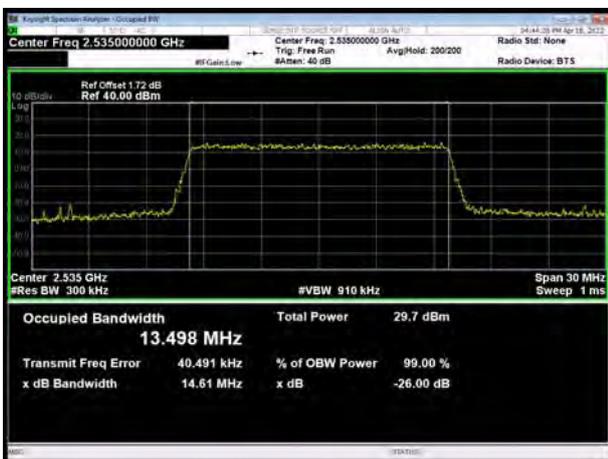
LTE Band 7 64QAM 15MHz CH-Low



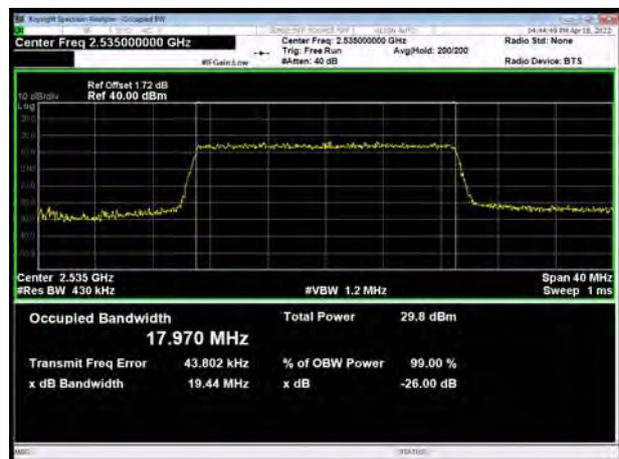
LTE Band 7 64QAM 20MHz CH-Low



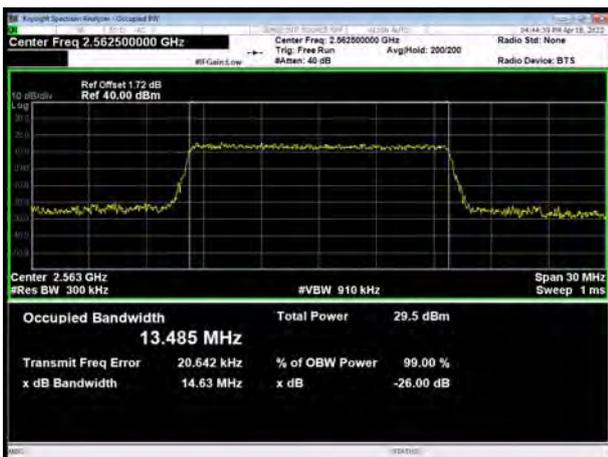
LTE Band 7 64QAM 15MHz CH-Middle



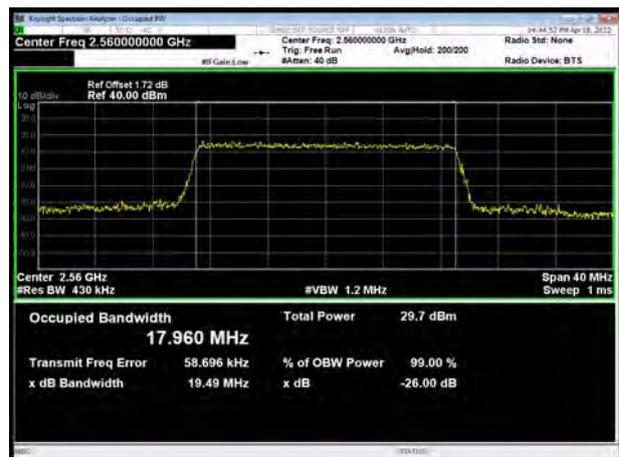
LTE Band 7 64QAM 20MHz CH-Middle



LTE Band 7 64QAM 15MHz CH-High

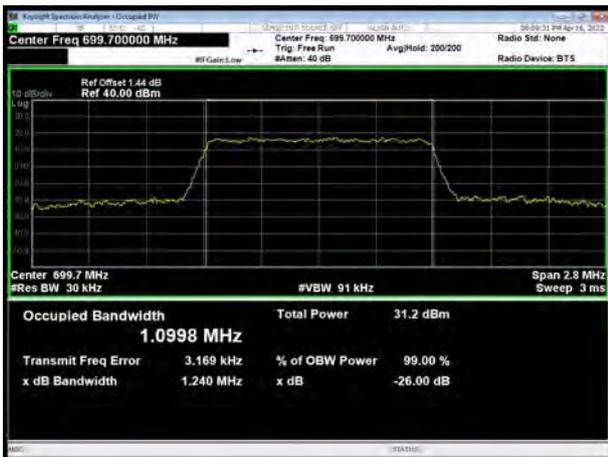


LTE Band 7 64QAM 20MHz CH-High

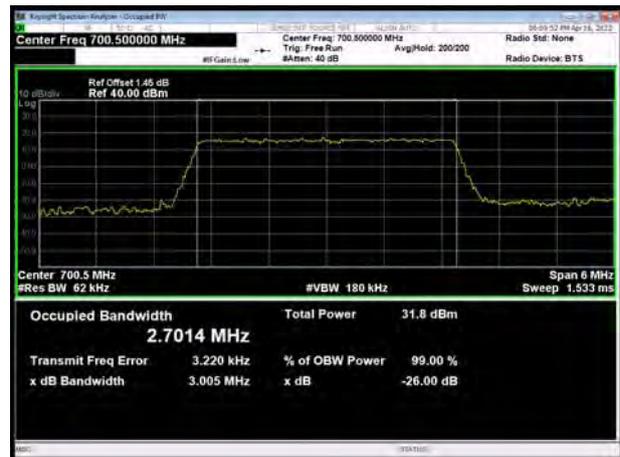




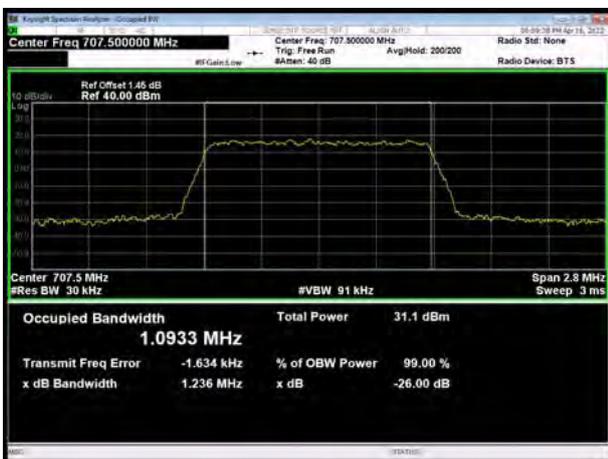
LTE Band 12 QPSK 1.4MHz CH-Low



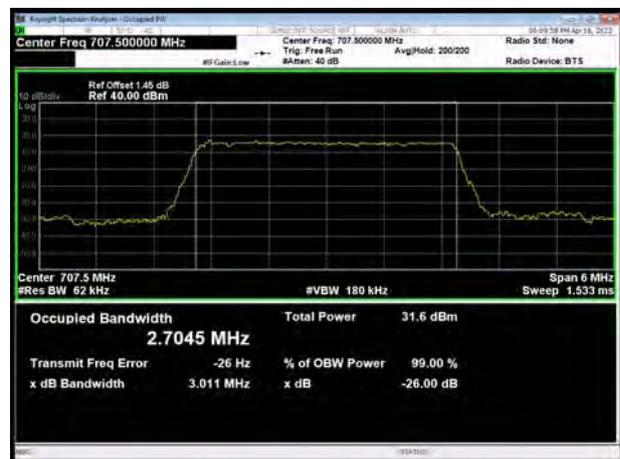
LTE Band 12 QPSK 3MHz CH-Low



LTE Band 12 QPSK 1.4MHz CH-Middle



LTE Band 12 QPSK 3MHz CH-Middle



LTE Band 12 QPSK 1.4MHz CH-High

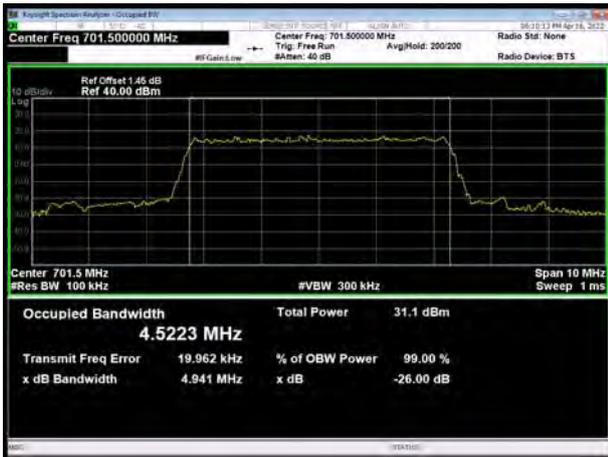


LTE Band 12 QPSK 3MHz CH-High

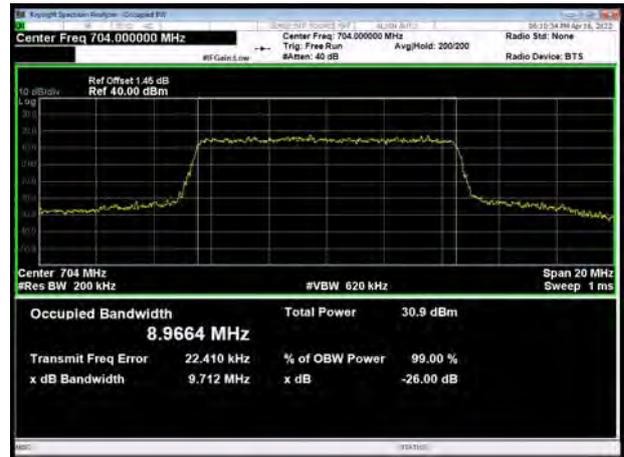




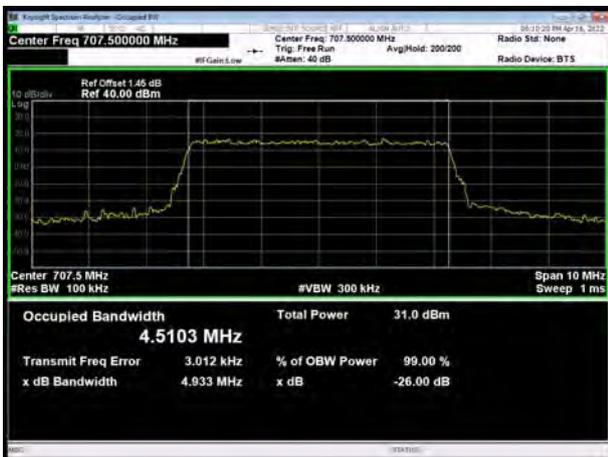
LTE Band 12 QPSK 5MHz CH-Low



LTE Band 12 QPSK 10MHz CH-Low



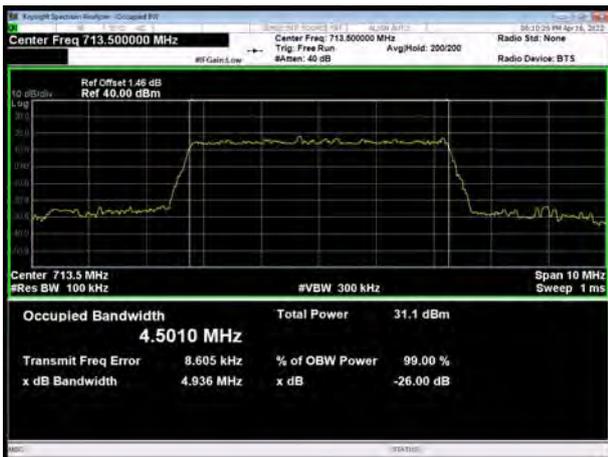
LTE Band 12 QPSK 5MHz CH-Middle



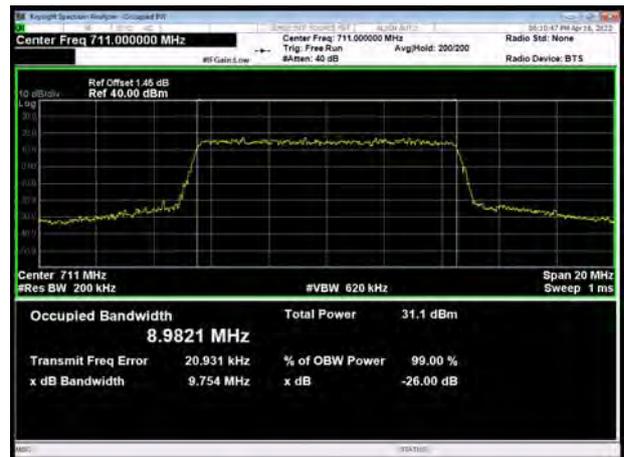
LTE Band 12 QPSK 10MHz CH-Middle



LTE Band 12 QPSK 5MHz CH-High

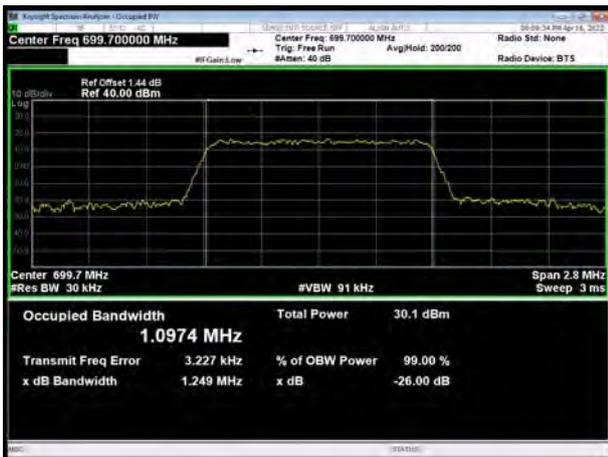


LTE Band 12 QPSK 10MHz CH-High





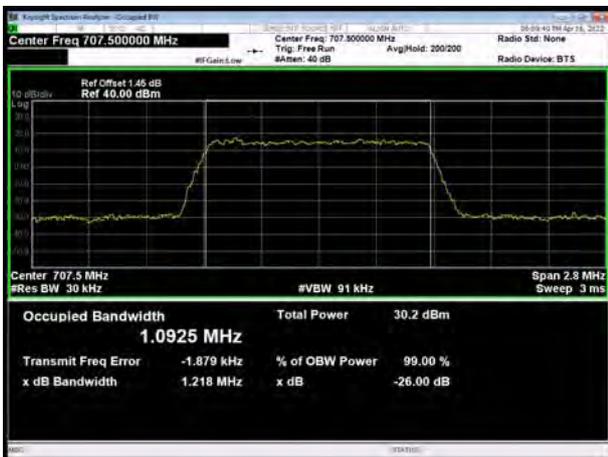
LTE Band 12 16QAM 1.4MHz CH-Low



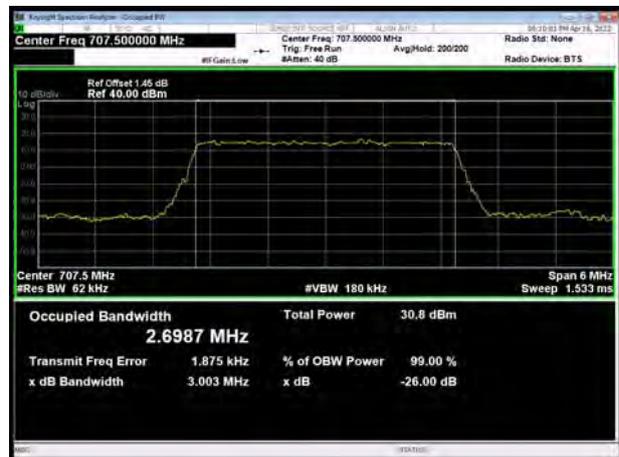
LTE Band 12 16QAM 3MHz CH-Low



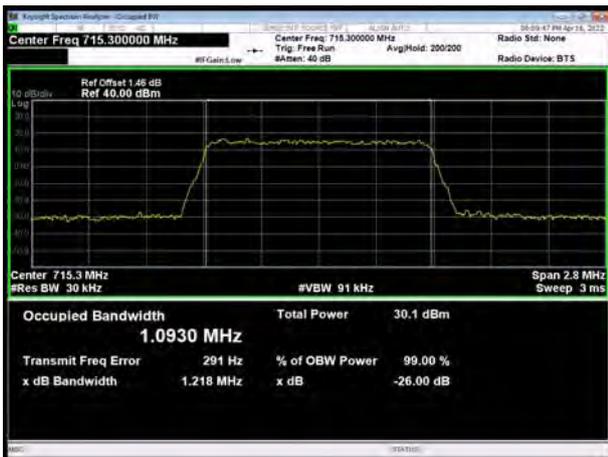
LTE Band 12 16QAM 1.4MHz CH-Middle



LTE Band 12 16QAM 3MHz CH-Middle



LTE Band 12 16QAM 1.4MHz CH-High

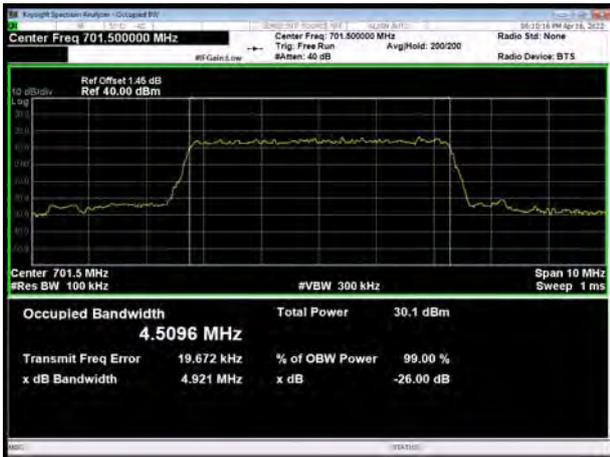


LTE Band 12 16QAM 3MHz CH-High

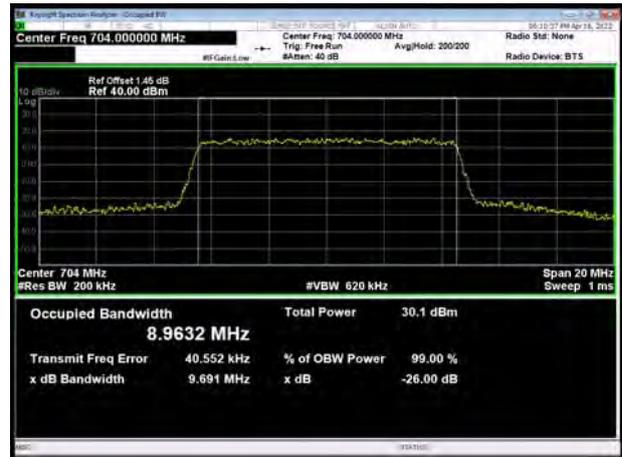




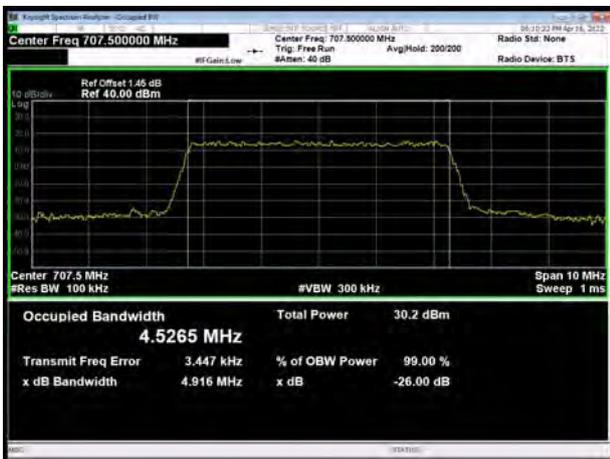
LTE Band 12 16QAM 5MHz CH-Low



LTE Band 12 16QAM 10MHz CH-Low



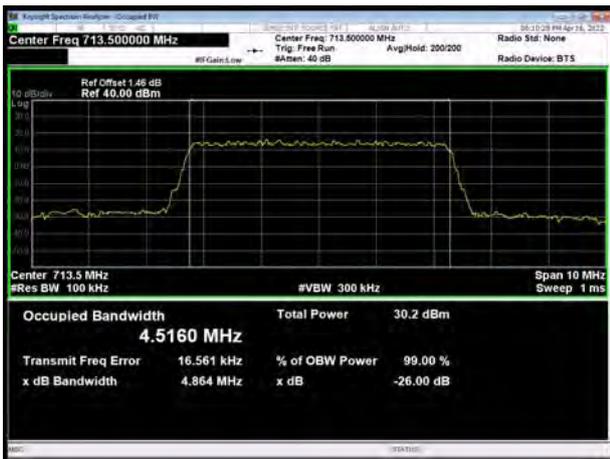
LTE Band 12 16QAM 5MHz CH-Middle



LTE Band 12 16QAM 10MHz CH-Middle



LTE Band 12 16QAM 5MHz CH-High

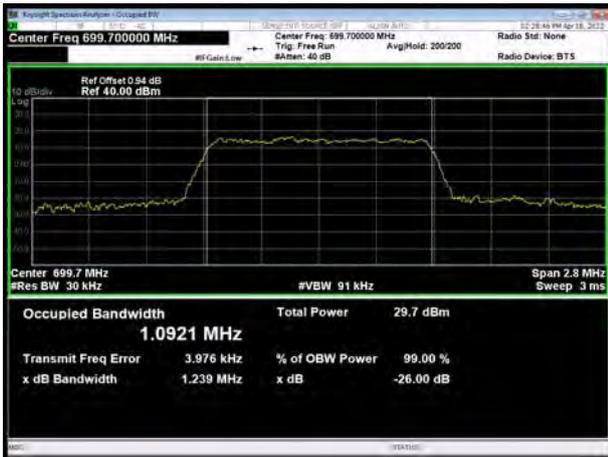


LTE Band 12 16QAM 10MHz CH-High

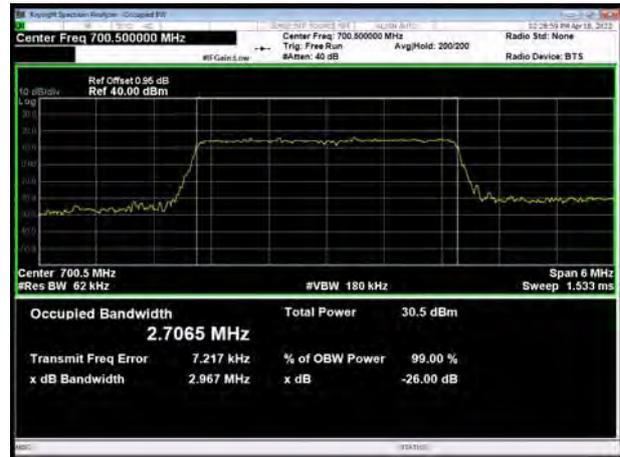




LTE Band 12 64QAM 1.4MHz CH-Low



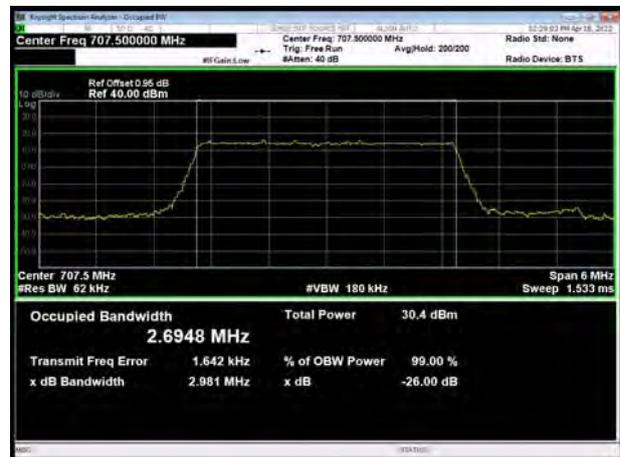
LTE Band 12 64QAM 3MHz CH-Low



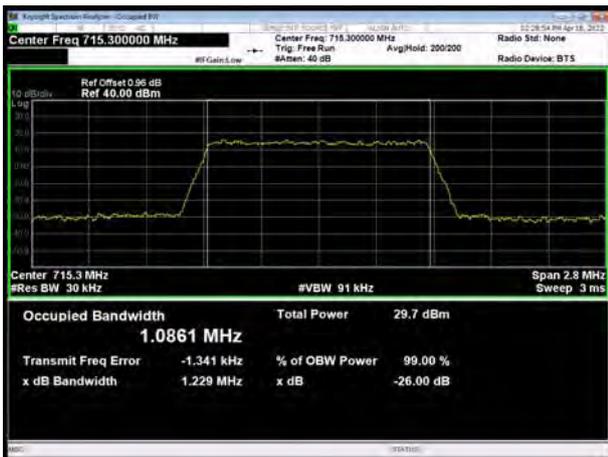
LTE Band 12 64QAM 1.4MHz CH-Middle



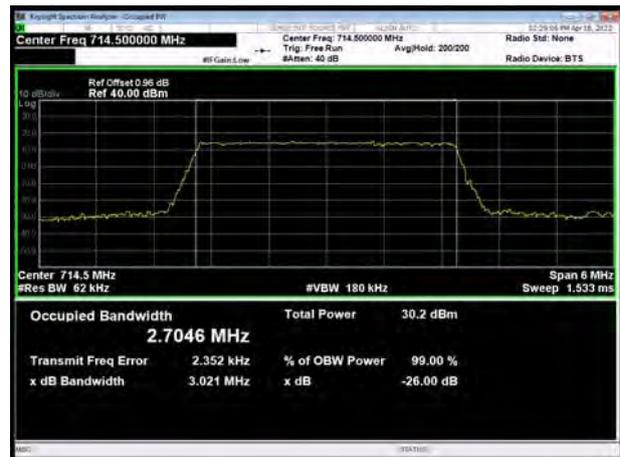
LTE Band 12 64QAM 3MHz CH-Middle



LTE Band 12 64QAM 1.4MHz CH-High

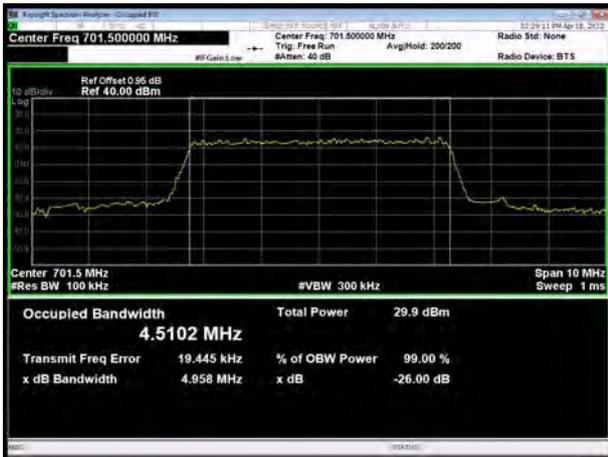


LTE Band 12 64QAM 3MHz CH-High





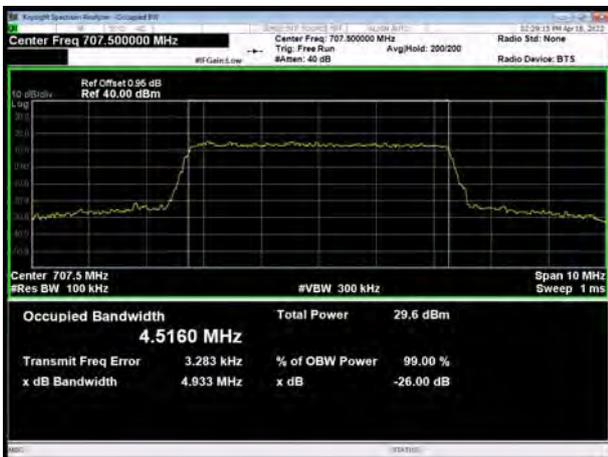
LTE Band 12 64QAM 5MHz CH-Low



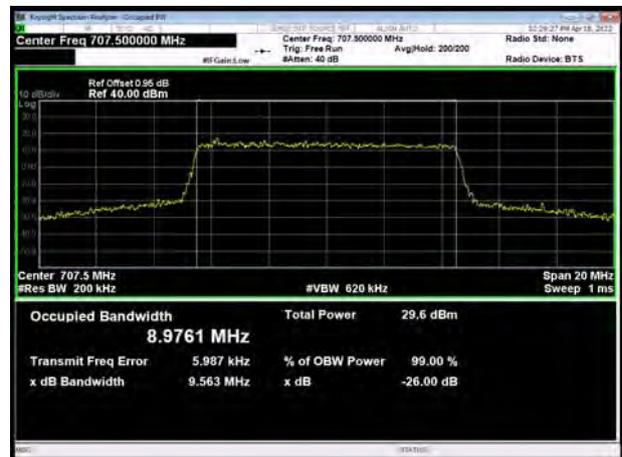
LTE Band 12 64QAM 10MHz CH-Low



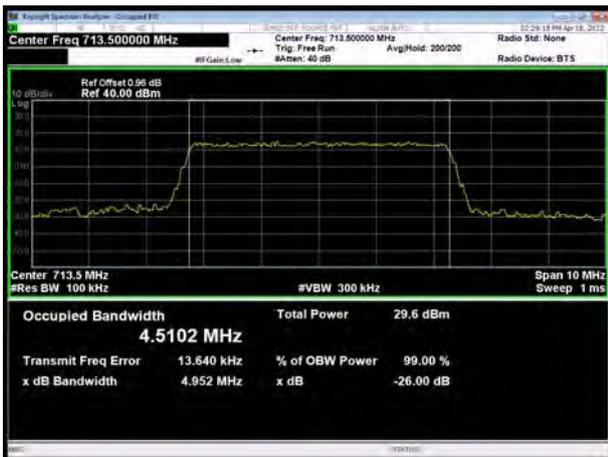
LTE Band 12 64QAM 5MHz CH-Middle



LTE Band 12 64QAM 10MHz CH-Middle



LTE Band 12 64QAM 5MHz CH-High

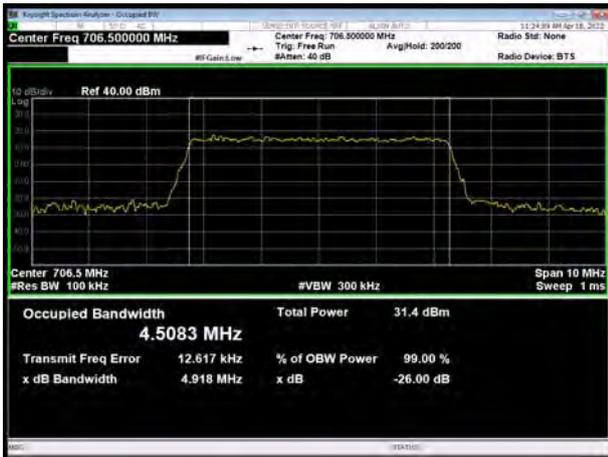


LTE Band 12 64QAM 10MHz CH-High

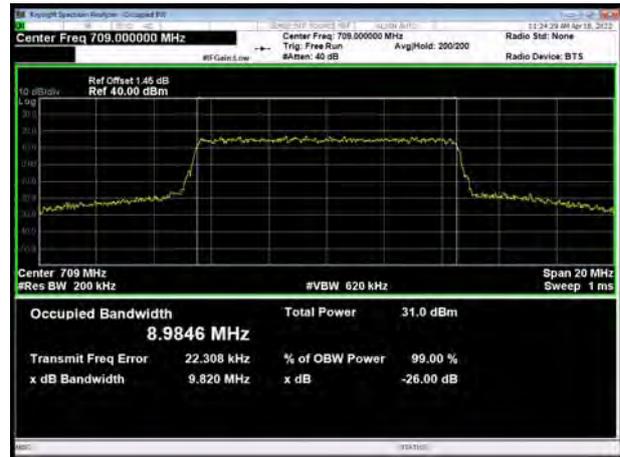




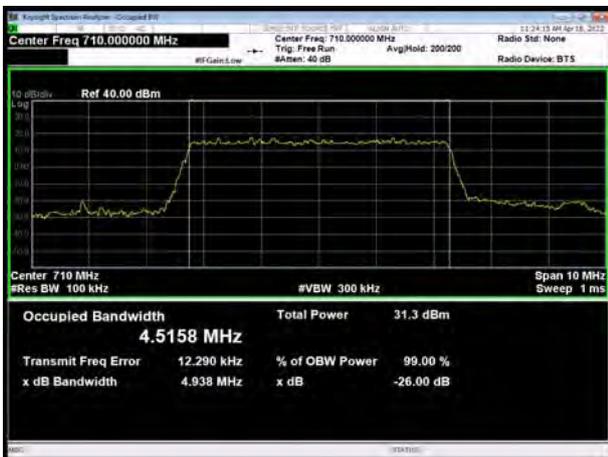
LTE Band 17 QPSK 5MHz CH-Low



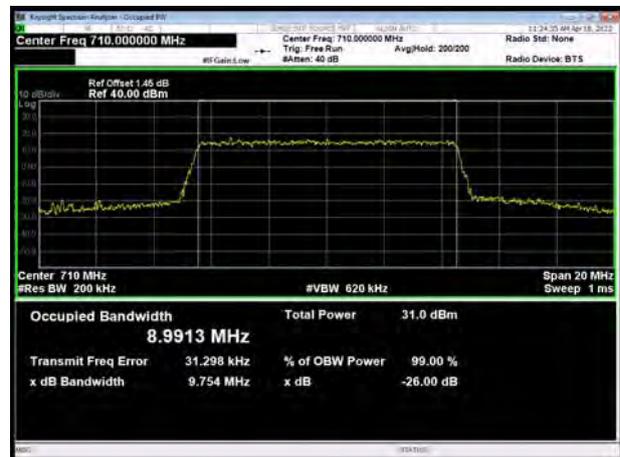
LTE Band 17 QPSK 10MHz CH-Low



LTE Band 17 QPSK 5MHz CH-Middle



LTE Band 17 QPSK 10MHz CH-Middle



LTE Band 17 QPSK 5MHz CH-High

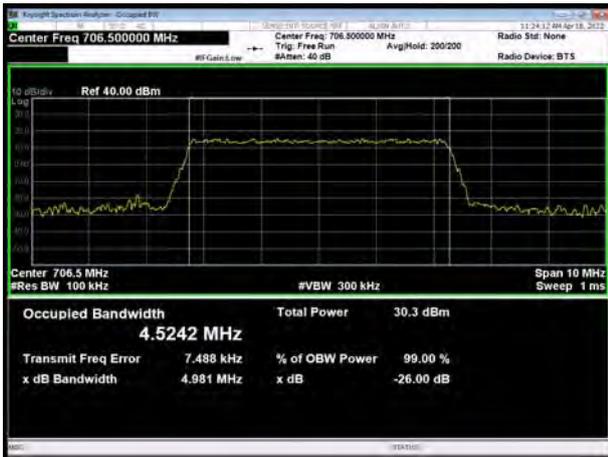


LTE Band 17 QPSK 10MHz CH-High





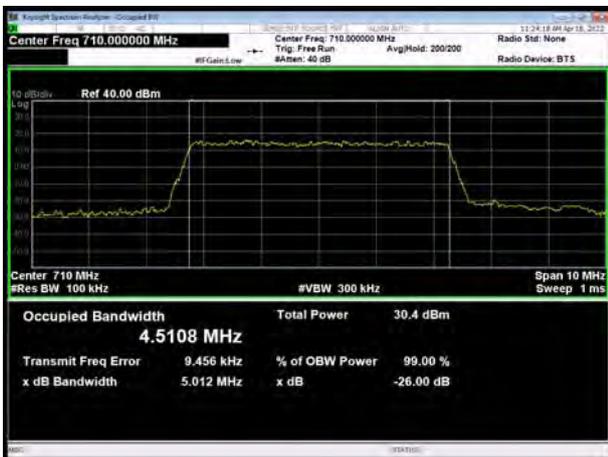
LTE Band 17 16QAM 5MHz CH-Low



LTE Band 17 16QAM 10MHz CH-Low



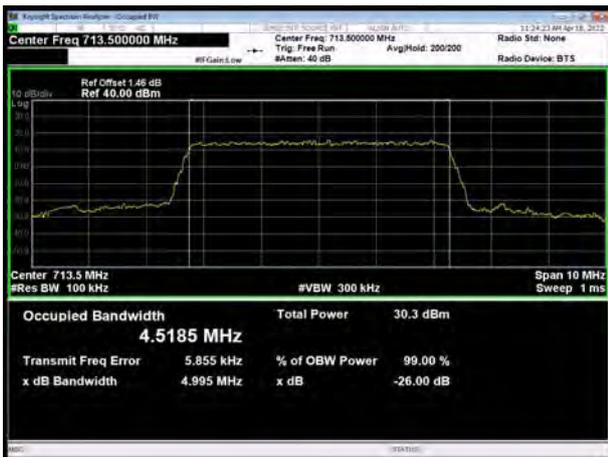
LTE Band 17 16QAM 5MHz CH-Middle



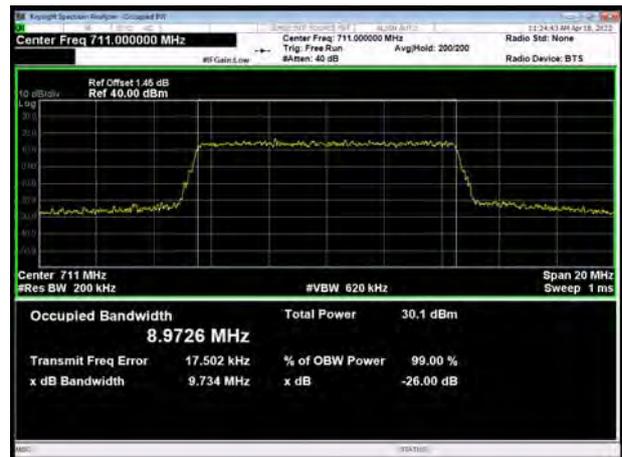
LTE Band 17 16QAM 10MHz CH-Middle



LTE Band 17 16QAM 5MHz CH-High

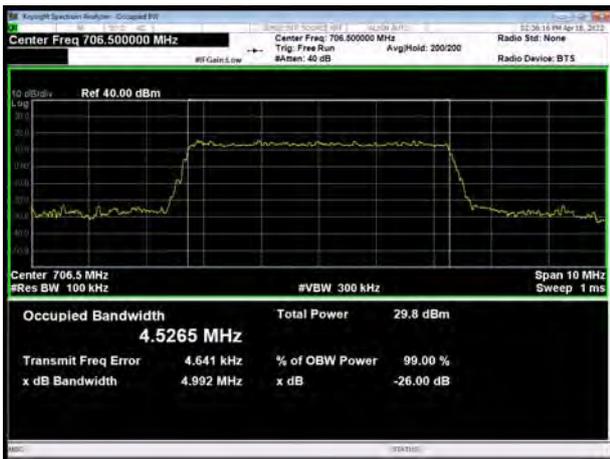


LTE Band 17 16QAM 10MHz CH-High





LTE Band 17 64QAM 5MHz CH-Low



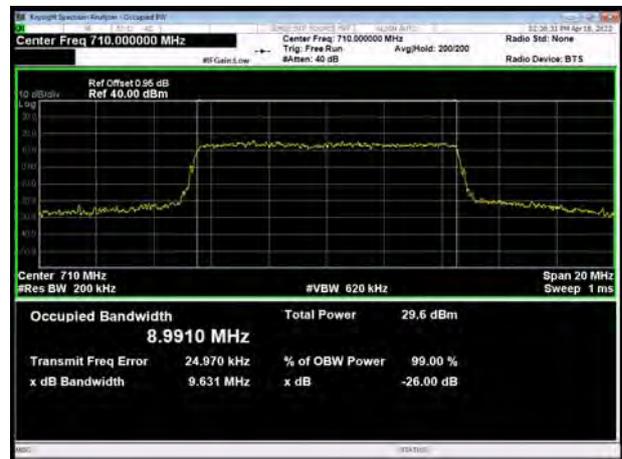
LTE Band 17 64QAM 10MHz CH-Low



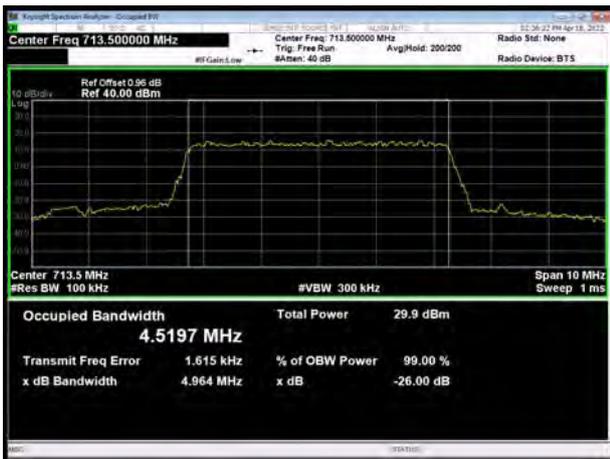
LTE Band 17 64QAM 5MHz CH-Middle



LTE Band 17 64QAM 10MHz CH-Middle



LTE Band 17 64QAM 5MHz CH-High

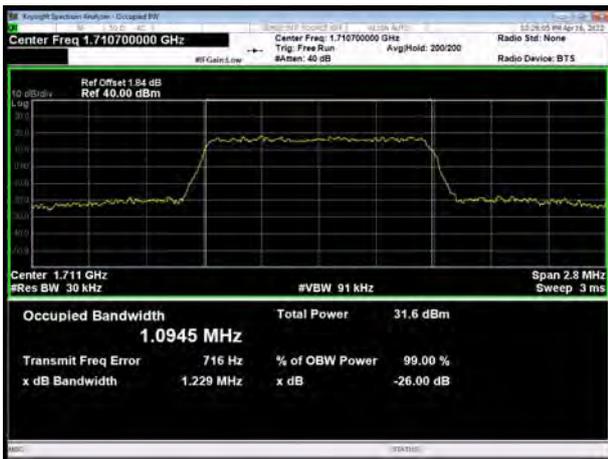


LTE Band 17 64QAM 10MHz CH-High

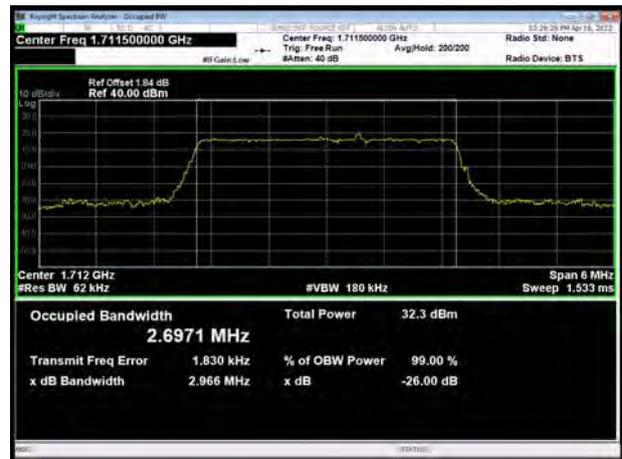




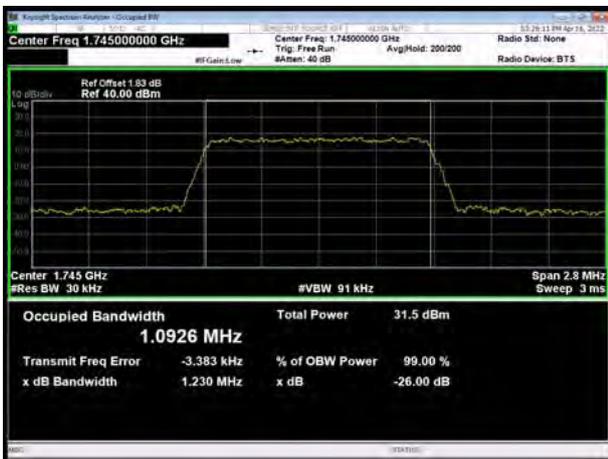
LTE Band 66 QPSK 1.4MHz CH-Low



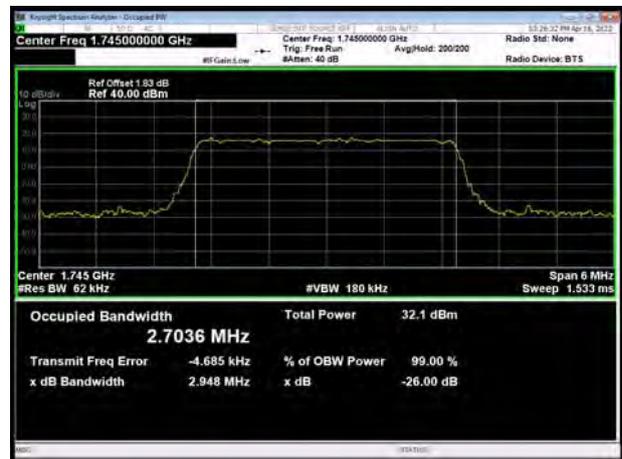
LTE Band 66 QPSK 3MHz CH-Low



LTE Band 66 QPSK 1.4MHz CH-Middle



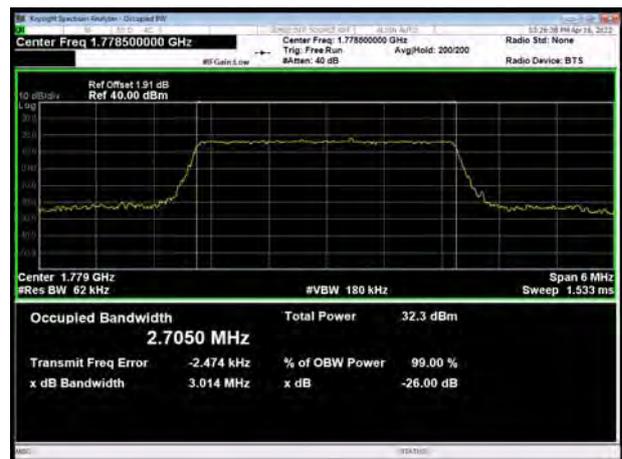
LTE Band 66 QPSK 3MHz CH-Middle



LTE Band 66 QPSK 1.4MHz CH-High



LTE Band 66 QPSK 3MHz CH-High

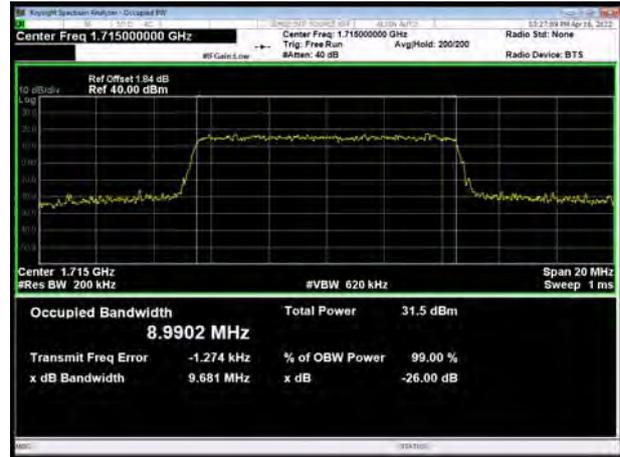




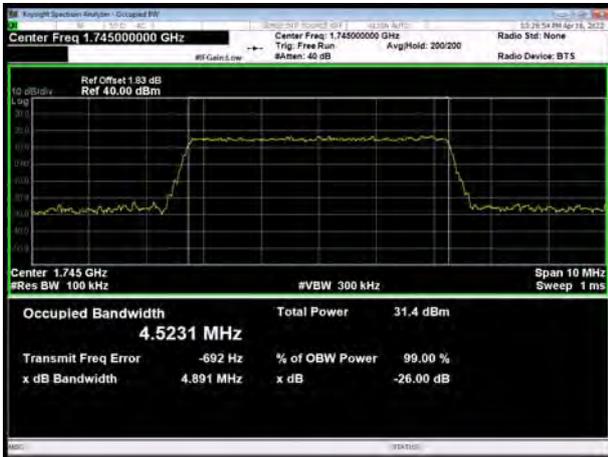
LTE Band 66 QPSK 5MHz CH-Low



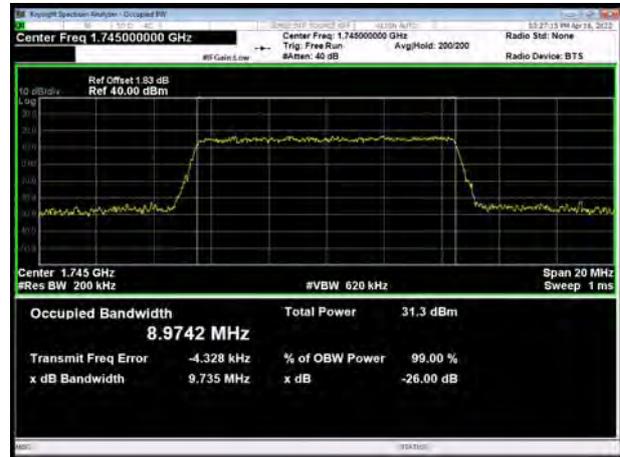
LTE Band 66 QPSK 10MHz CH-Low



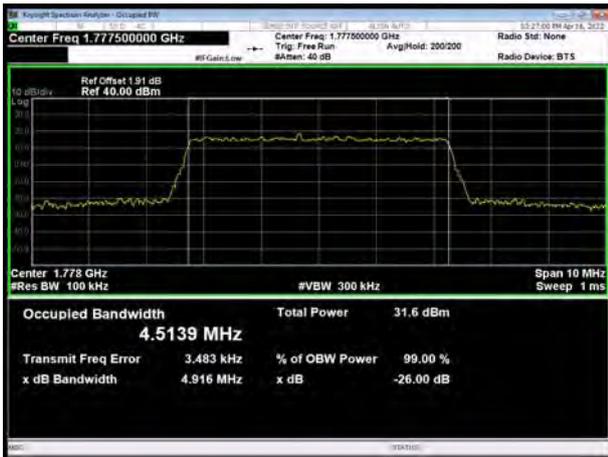
LTE Band 66 QPSK 5MHz CH-Middle



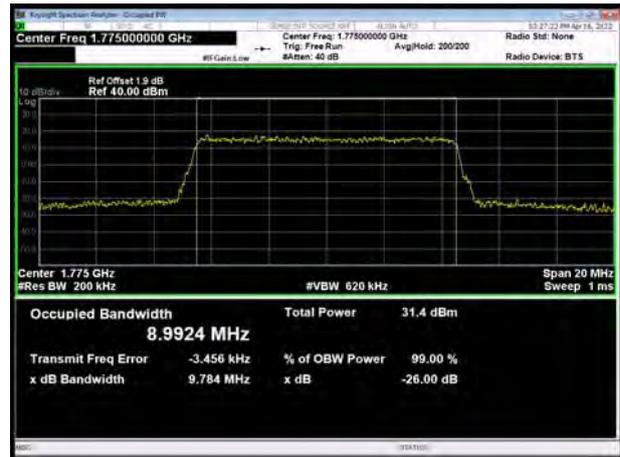
LTE Band 66 QPSK 10MHz CH-Middle



LTE Band 66 QPSK 5MHz CH-High

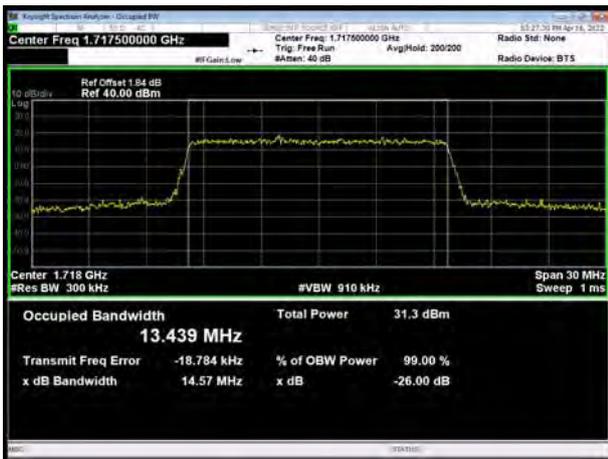


LTE Band 66 QPSK 10MHz CH-High

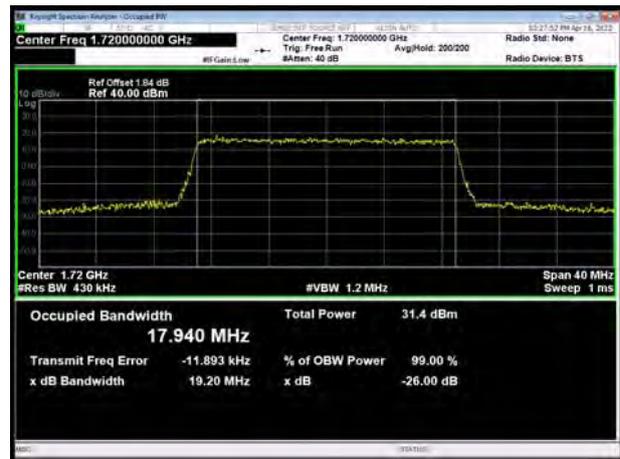




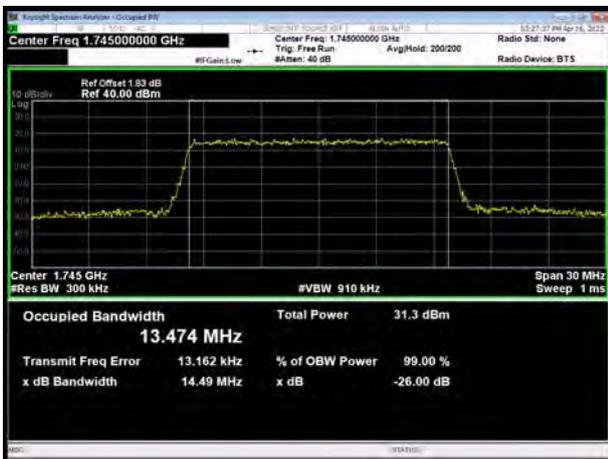
LTE Band 66 QPSK 15MHz CH-Low



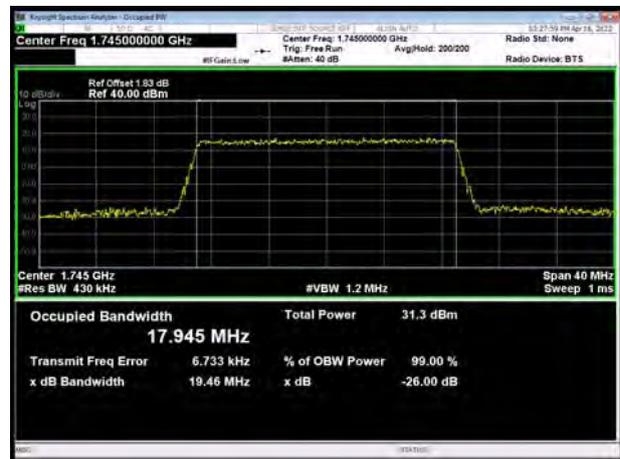
LTE Band 66 QPSK 20MHz CH-Low



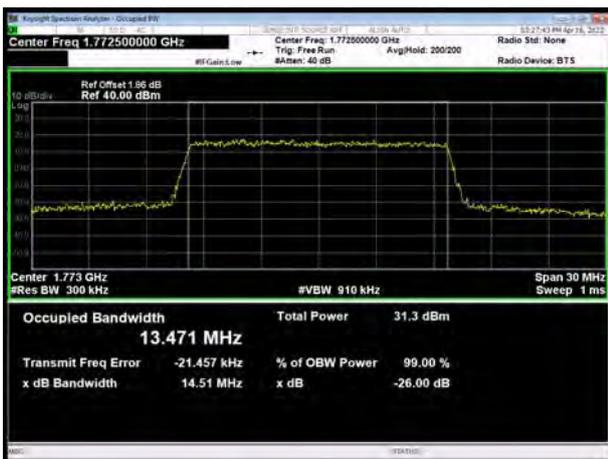
LTE Band 66 QPSK 15MHz CH-Middle



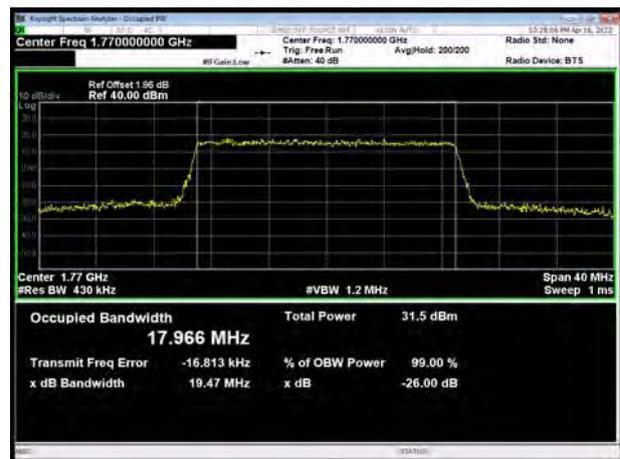
LTE Band 66 QPSK 20MHz CH-Middle



LTE Band 66 QPSK 15MHz CH-High

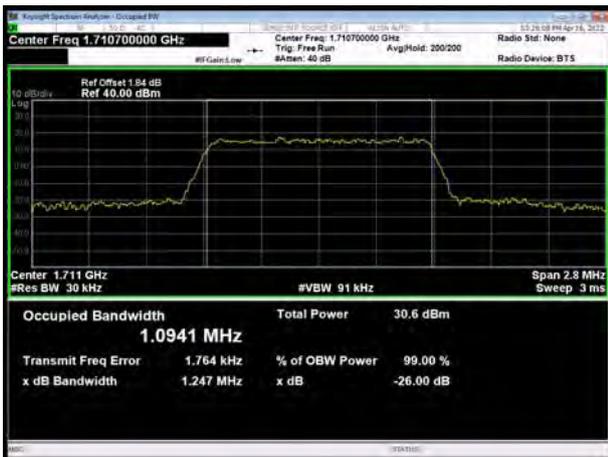


LTE Band 66 QPSK 20MHz CH-High

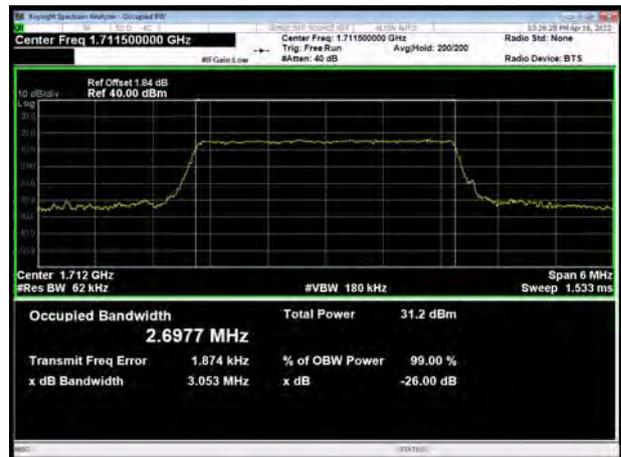




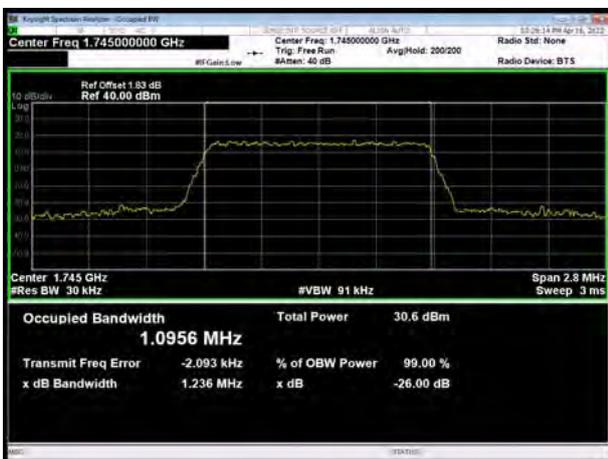
LTE Band 66 16QAM 1.4MHz CH-Low



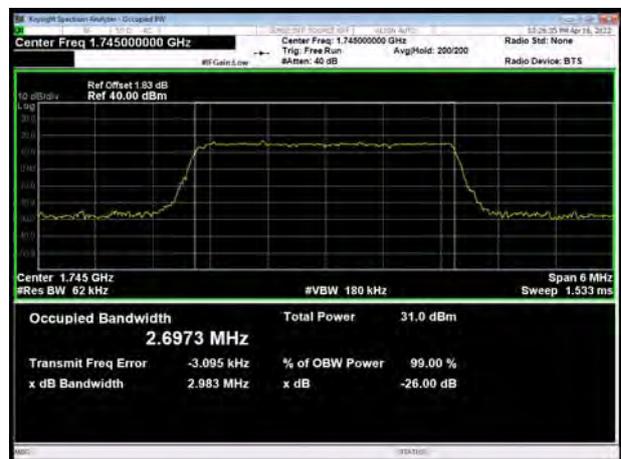
LTE Band 66 16QAM 3MHz CH-Low



LTE Band 66 16QAM 1.4MHz CH-Middle



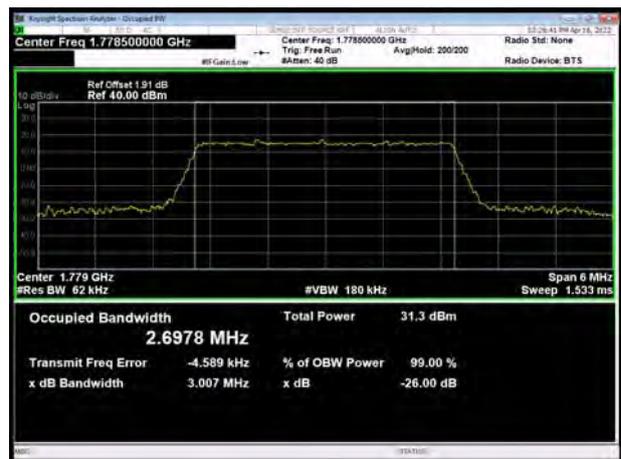
LTE Band 66 16QAM 3MHz CH-Middle



LTE Band 66 16QAM 1.4MHz CH-High

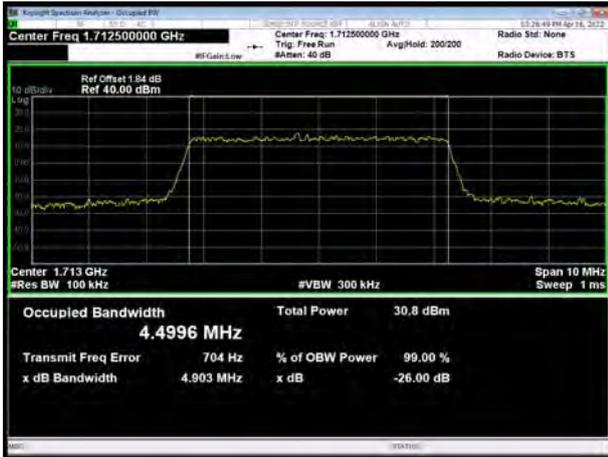


LTE Band 66 16QAM 3MHz CH-High

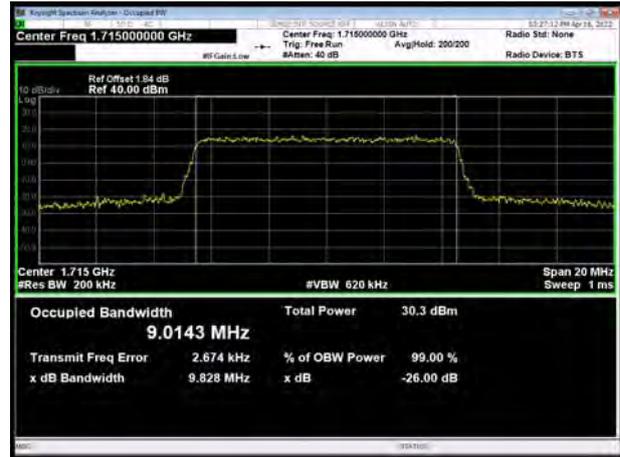




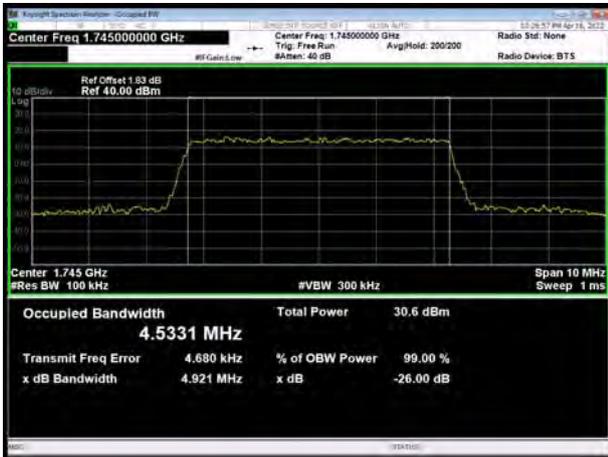
LTE Band 66 16QAM 5MHz CH-Low



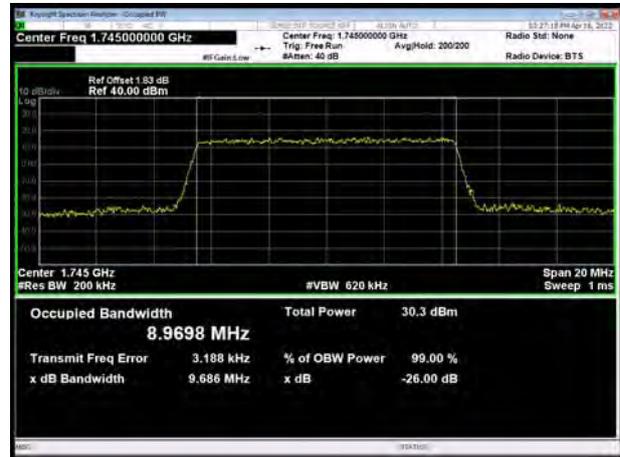
LTE Band 66 16QAM 10MHz CH-Low



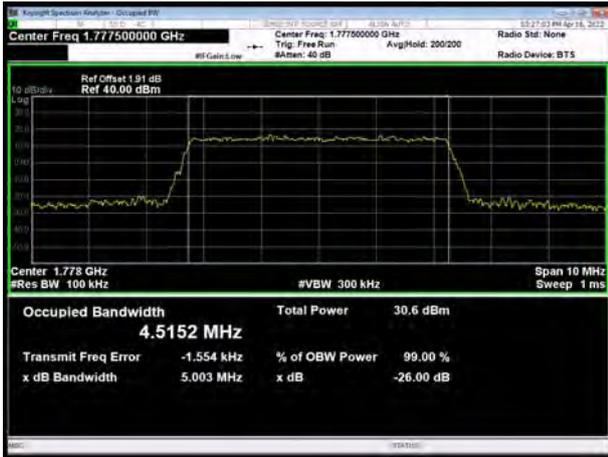
LTE Band 66 16QAM 5MHz CH-Middle



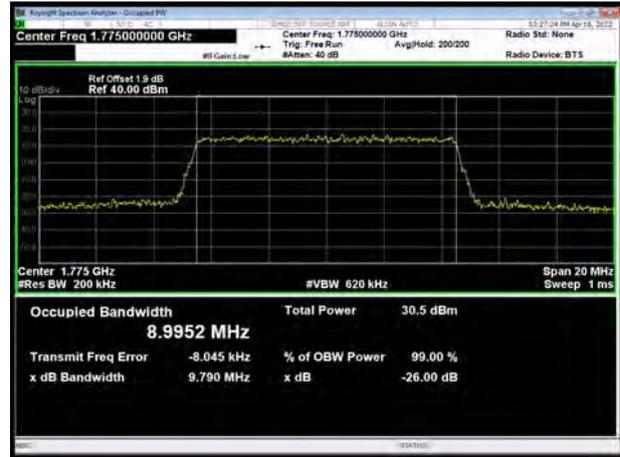
LTE Band 66 16QAM 10MHz CH-Middle



LTE Band 66 16QAM 5MHz CH-High

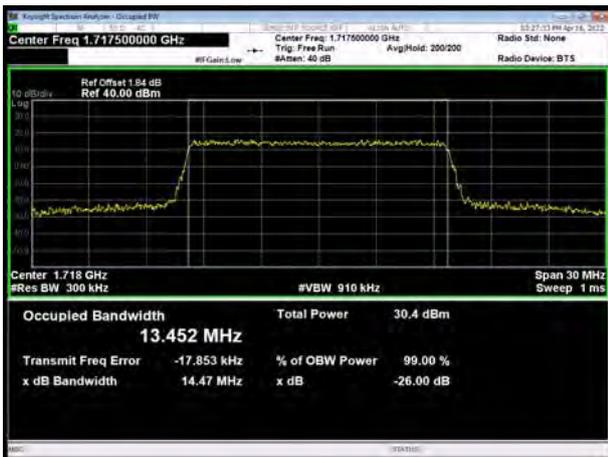


LTE Band 66 16QAM 10MHz CH-High

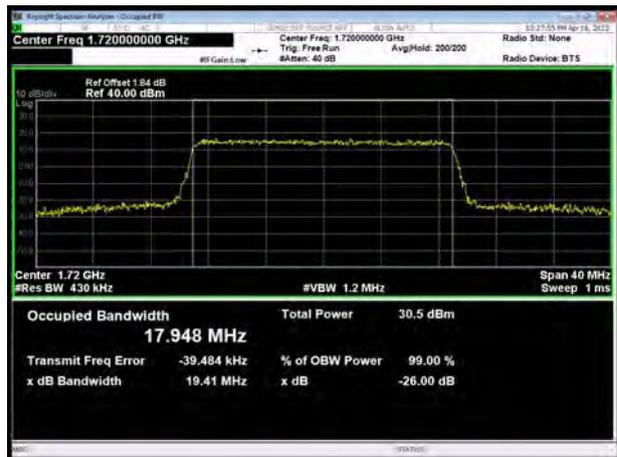




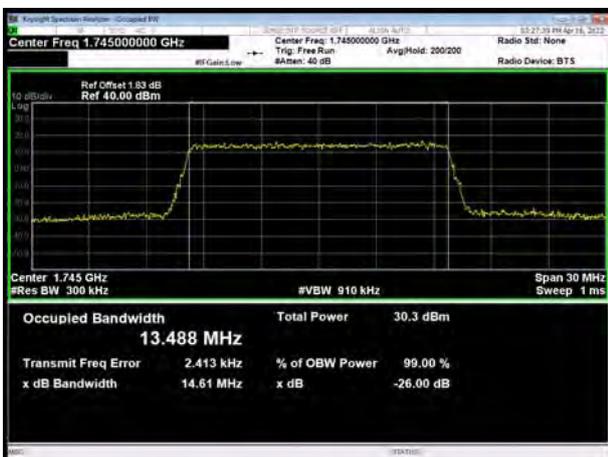
LTE Band 66 16QAM 15MHz CH-Low



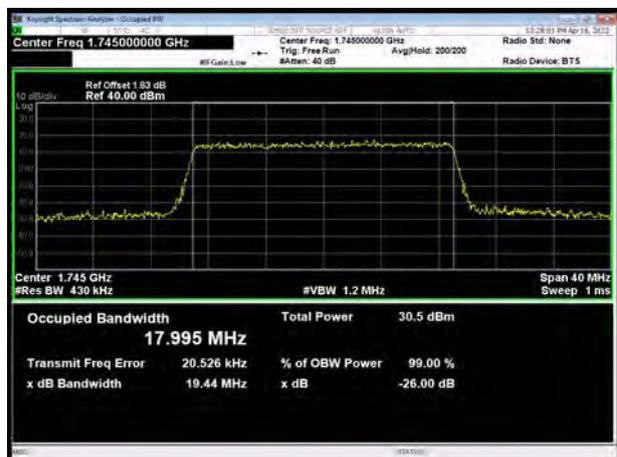
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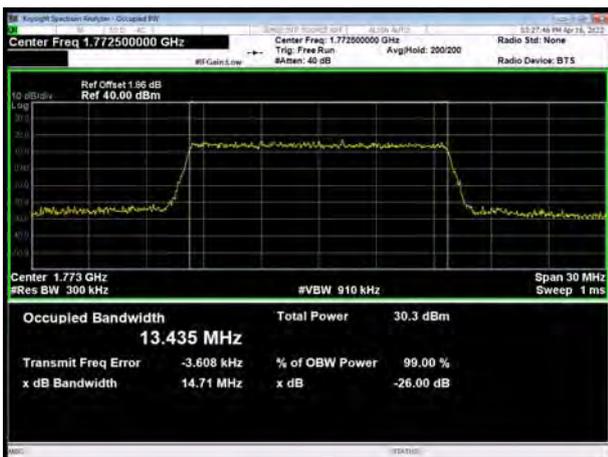
LTE Band 66 16QAM 15MHz CH-Middle



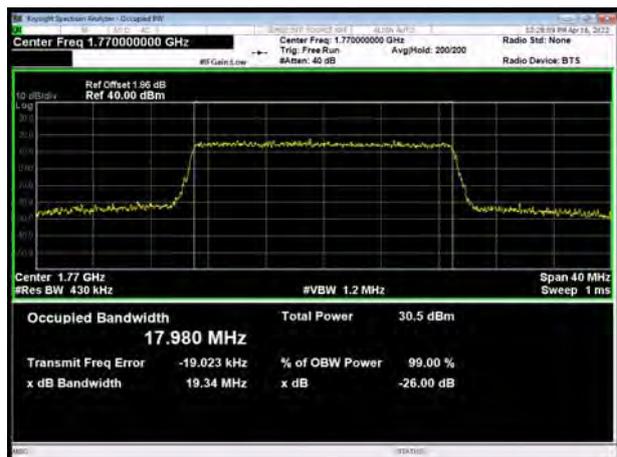
LTE Band 66 16QAM 20MHz CH-Middle



LTE Band 66 16QAM 15MHz CH-High

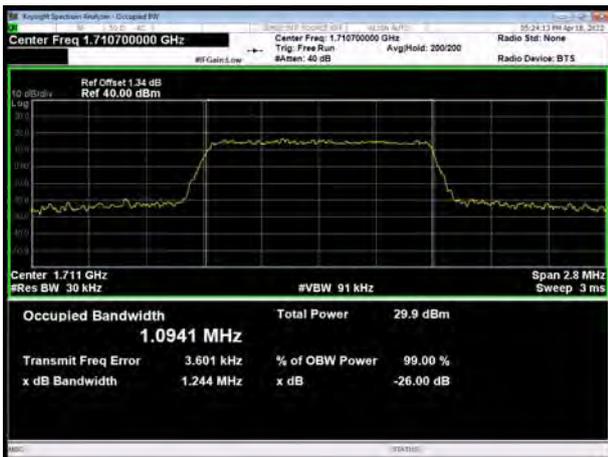


LTE Band 66 16QAM 20MHz CH-High

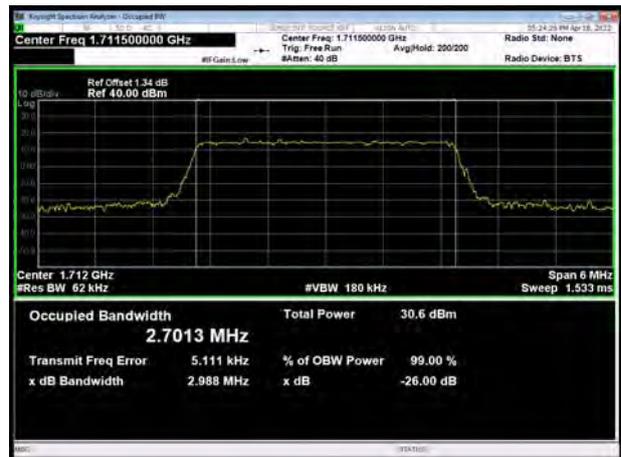




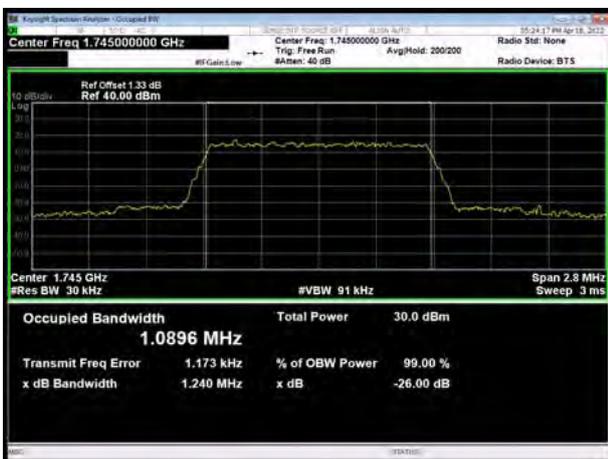
LTE Band 66 64QAM 1.4MHz CH-Low



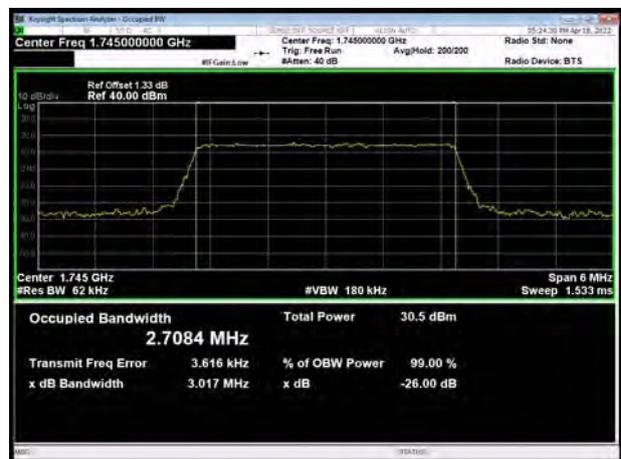
LTE Band 66 64QAM 3MHz CH-Low



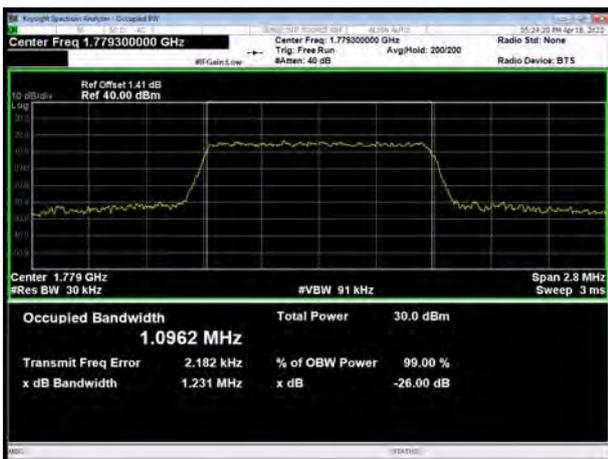
LTE Band 66 64QAM 1.4MHz CH-Middle



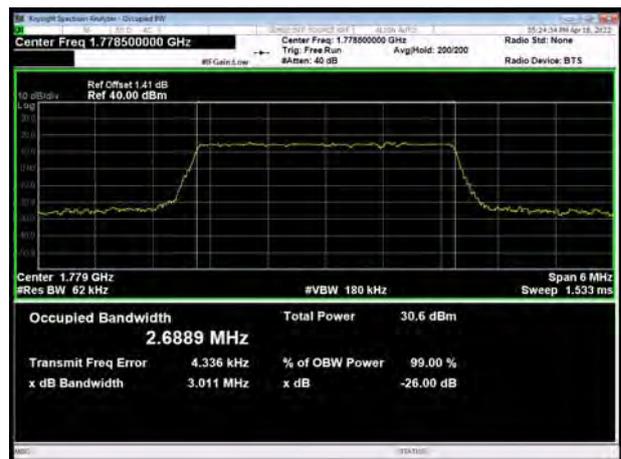
LTE Band 66 64QAM 3MHz CH-Middle



LTE Band 66 64QAM 1.4MHz CH-High

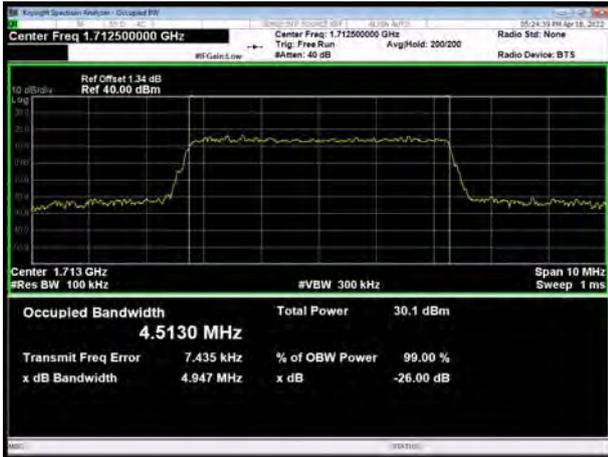


LTE Band 66 64QAM 3MHz CH-High

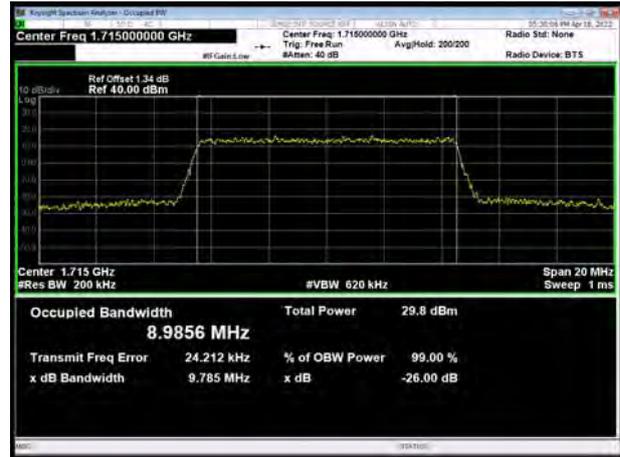




LTE Band 66 64QAM 5MHz CH-Low



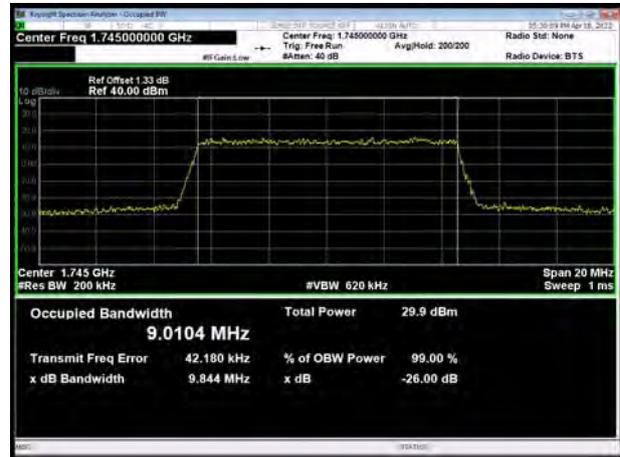
LTE Band 66 64QAM 10MHz CH-Low



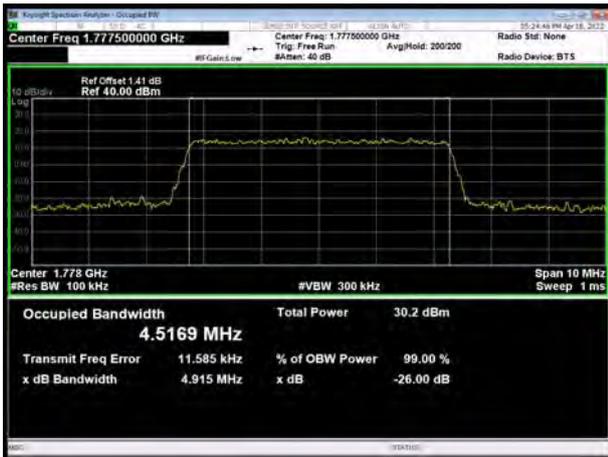
LTE Band 66 64QAM 5MHz CH-Middle



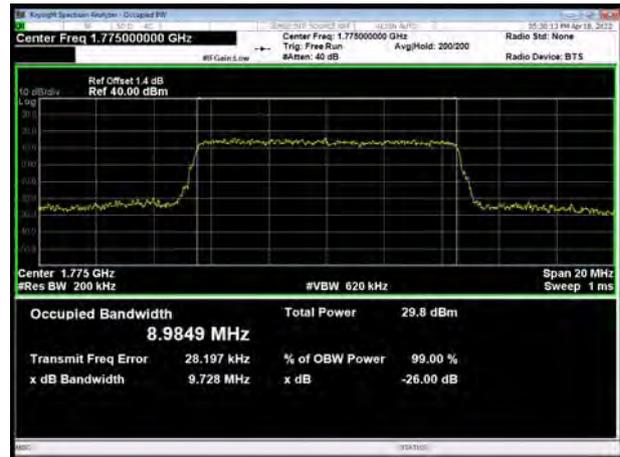
LTE Band 66 64QAM 10MHz CH-Middle



LTE Band 66 64QAM 5MHz CH-High

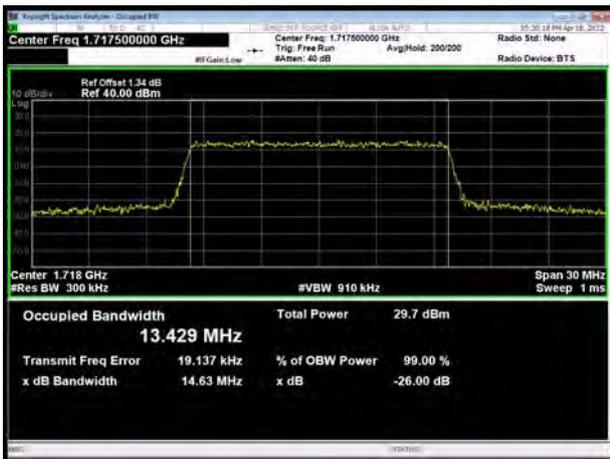


LTE Band 66 64QAM 10MHz CH-High

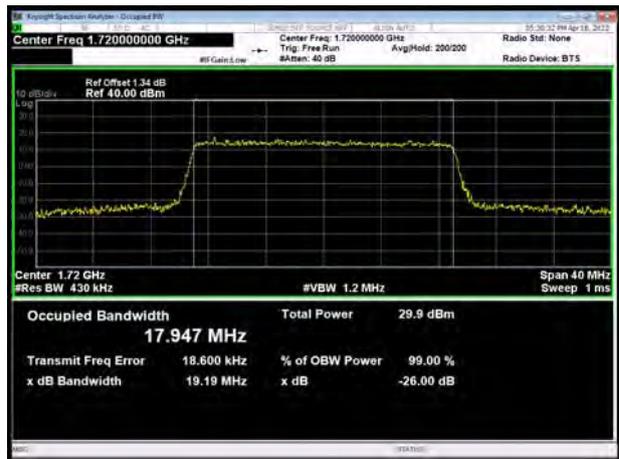




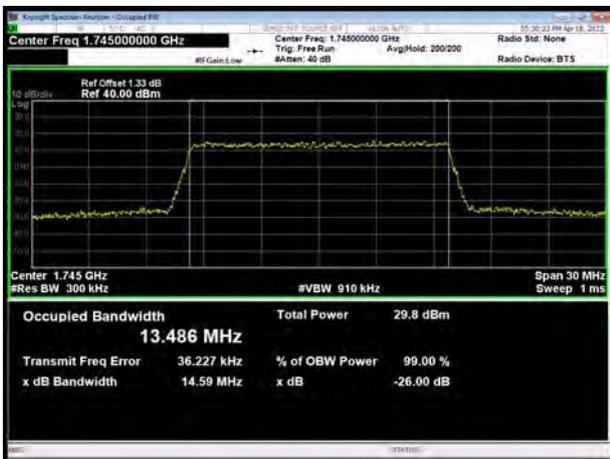
LTE Band 66 64QAM 15MHz CH-Low



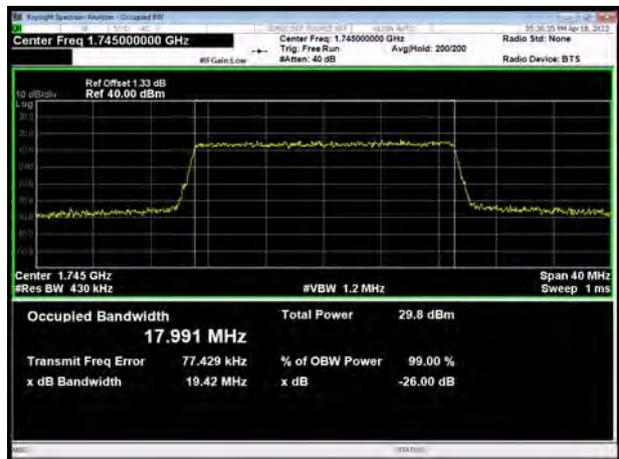
LTE Band 66 64QAM 20MHz CH-Low



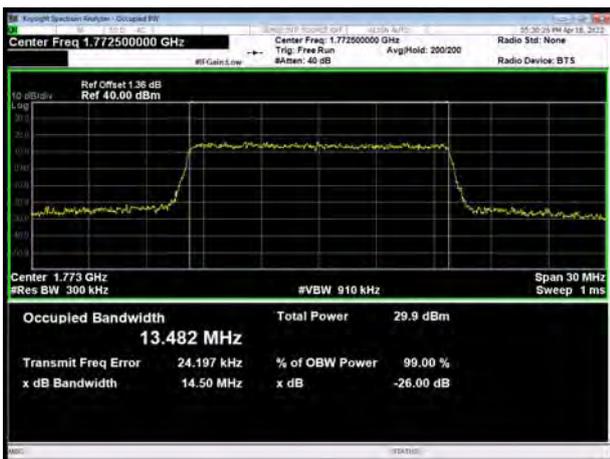
LTE Band 66 64QAM 15MHz CH-Middle



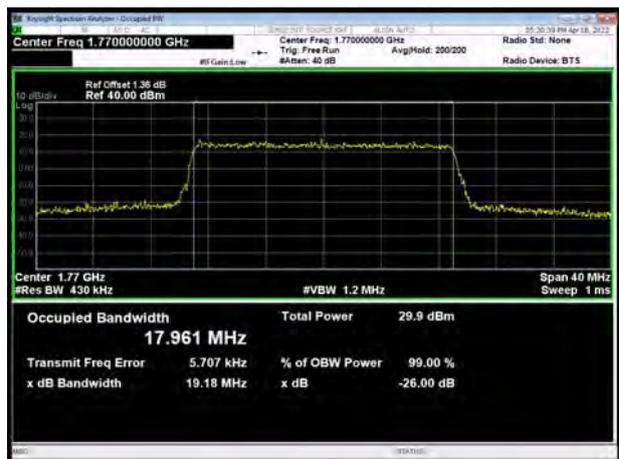
LTE Band 66 64QAM 20MHz CH-Middle



LTE Band 66 64QAM 15MHz CH-High



LTE Band 66 64QAM 20MHz CH-High





CA_7C QPSK 10MHz +20MHz



CA_7C QPSK 20MHz +10MHz



CA_7C 16QAM 10MHz +20MHz



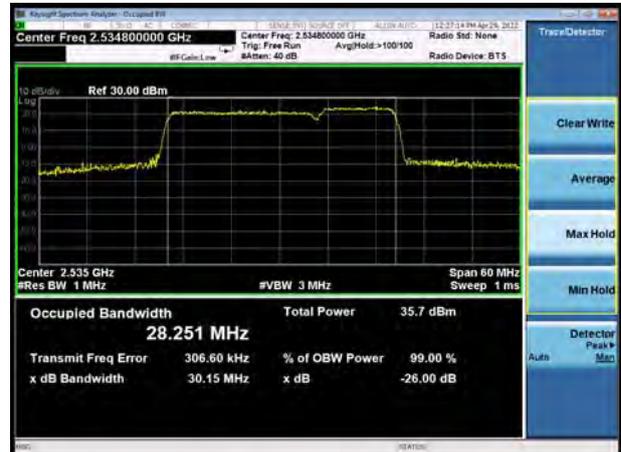
CA_7C 16QAM 20MHz +10MHz



CA_7C 64QAM 10MHz +20MHz



CA_7C 64QAM 20MHz +10MHz





CA_7C QPSK 15MHz +15MHz



CA_7C QPSK 15MHz +20MHz



CA_7C 16QAM 15MHz +15MHz



CA_7C 16QAM 15MHz +20MHz



CA_7C 64QAM 15MHz +15MHz



CA_7C 64QAM 15MHz +20MHz





CA_7C QPSK 20MHz +15MHz



CA_7C QPSK 20MHz +20MHz



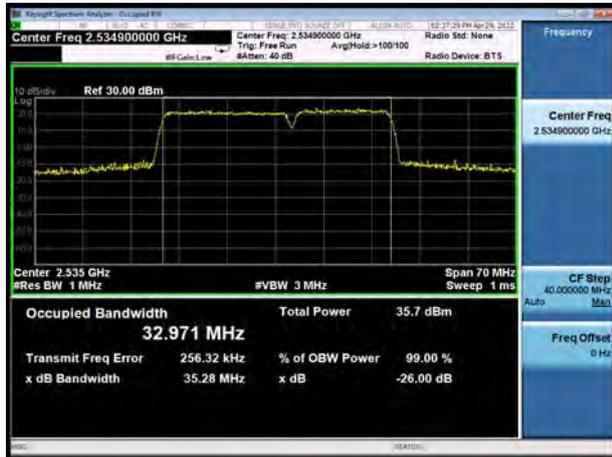
CA_7C 16QAM 20MHz +15MHz



CA_7C 16QAM 20MHz +20MHz



CA_7C 64QAM 20MHz +15MHz



CA_7C 64QAM 20MHz +20MHz





NR n7 P1/2 BPSK 100%RB 20MHz CH-Low



NR n7 QPSK 100%RB 20MHz CH-Low



NR n7 P1/2 BPSK 100%RB 20MHz CH-Middle



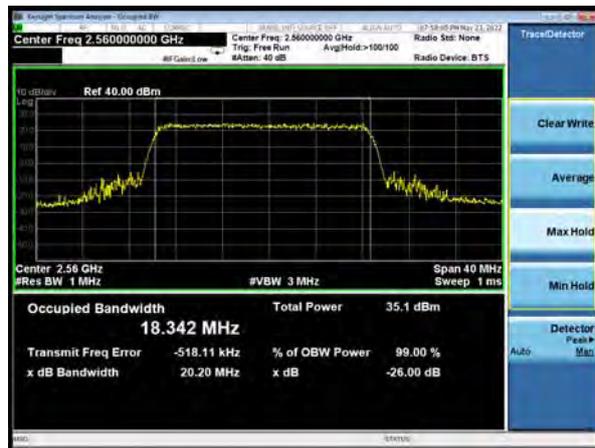
NR n7 QPSK 100%RB 20MHz CH-Middle



NR n7 P1/2 BPSK 100%RB 20MHz CH-High



NR n7 QPSK 100%RB 20MHz CH-High





NR n7 16QAM 100%RB 20MHz CH-Low



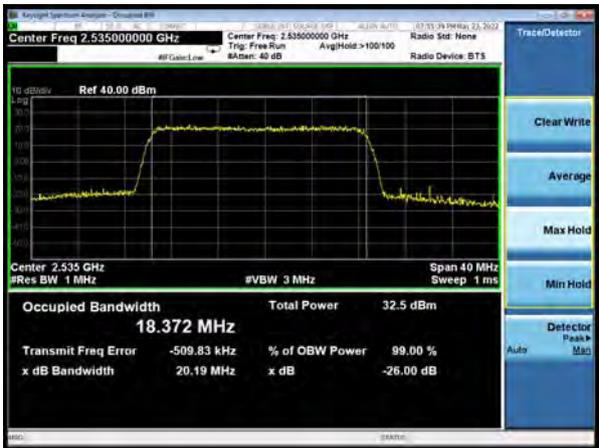
NR n7 64QAM 100%RB 20MHz CH-Low



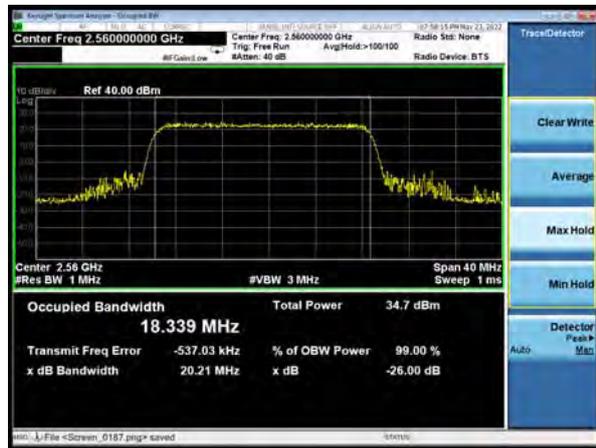
NR n7 16QAM 100%RB 20MHz CH-Middle



NR n7 64QAM 100%RB 20MHz CH-Middle



NR n7 16QAM 100%RB 20MHz CH-High



NR n7 64QAM 100%RB 20MHz CH-High





NR n7 256QAM 100%RB 20MHz CH-Low



NR n7 256QAM 100%RB 20MHz CH-Middle



NR n7 256QAM 100%RB 20MHz CH-High





NR n7 P1/2 BPSK 1RB 20MHz CH-Low



NR n7 QPSK 1RB 20MHz CH-Low



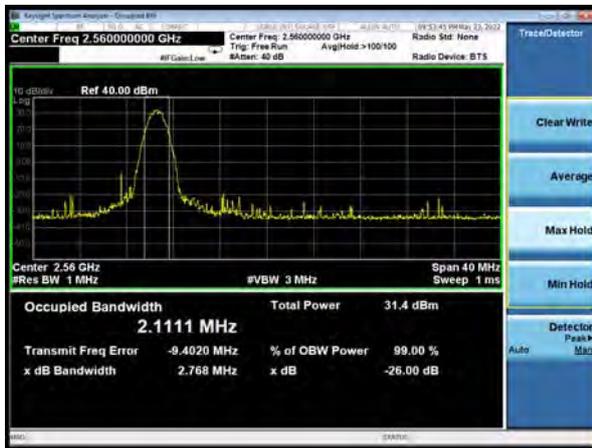
NR n7 P1/2 BPSK 1RB 20MHz CH-Middle



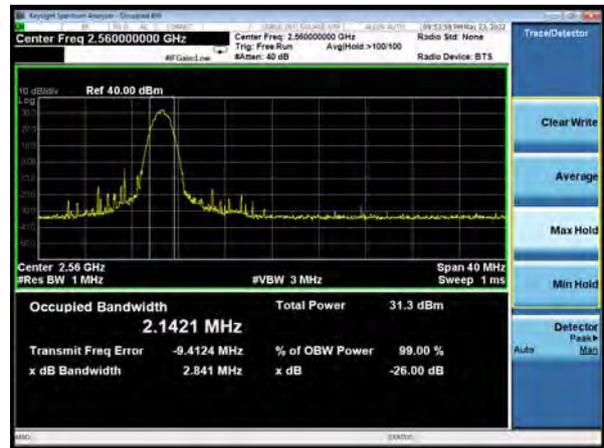
NR n7 QPSK 1RB 20MHz CH-Middle



NR n7 P1/2 BPSK 1RB 20MHz CH-High



NR n7 QPSK 1RB 20MHz CH-High

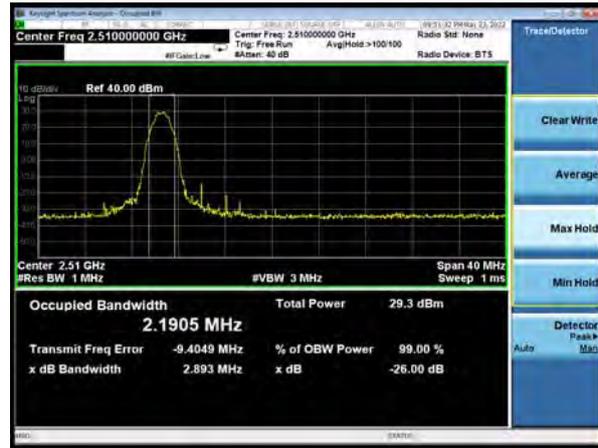




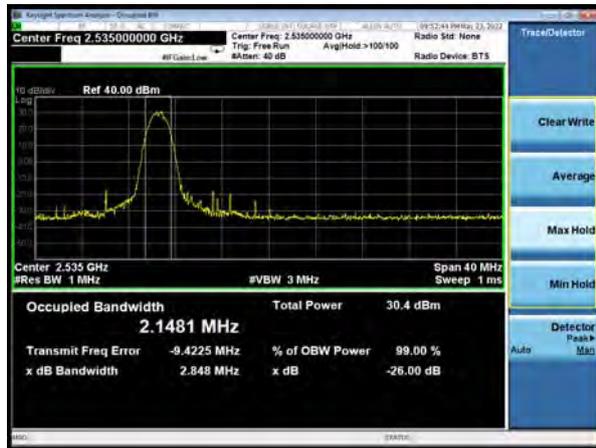
NR n7 16QAM 1RB 20MHz CH-Low



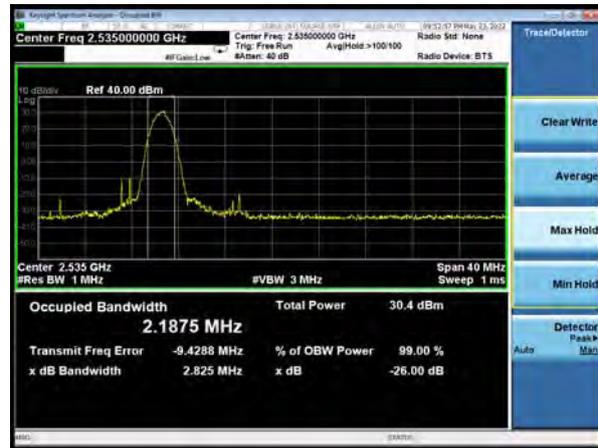
NR n7 64QAM 1RB 20MHz CH-Low



NR n7 16QAM 1RB 20MHz CH-Middle



NR n7 64QAM 1RB 20MHz CH-Middle



NR n7 16QAM 1RB 20MHz CH-High

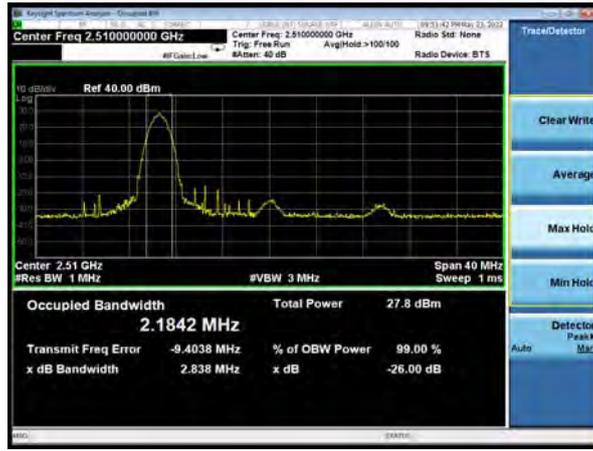


NR n7 64QAM 1RB 20MHz CH-High





NR n7 256QAM 1RB 20MHz CH-Low



NR n7 256QAM 1RB 20MHz CH-Middle



NR n7 256QAM 1RB 20MHz CH-High





NR n41 P1/2 BPSK 100%RB 100MHz CH-Low



NR n41 QPSK 100%RB 100MHz CH-Low



NR n41 P1/2 BPSK 100%RB 100MHz CH-Middle



NR n41 QPSK 100%RB 100MHz CH-Middle



NR n41 P1/2 BPSK 100%RB 100MHz CH-High



NR n41 QPSK 100%RB 100MHz CH-High





NR n41 16QAM 100%RB 100MHz CH-Low



NR n41 64QAM 100%RB 100MHz CH-Low



NR n41 16QAM 100%RB 100MHz CH-Middle



NR n41 64QAM 100%RB 100MHz CH-Middle



NR n41 16QAM 100%RB 100MHz CH-High



NR n41 64QAM 100%RB 100MHz CH-High





NR n41 256QAM 100%RB 100MHz CH-Low



NR n41 256QAM 100%RB 100MHz CH-Middle

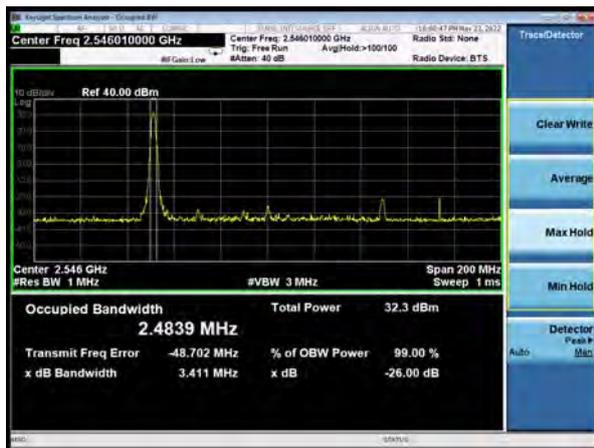


NR n41 256QAM 100%RB 100MHz CH-High

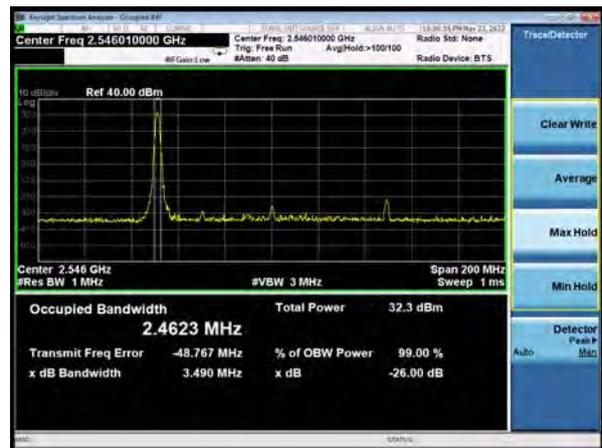




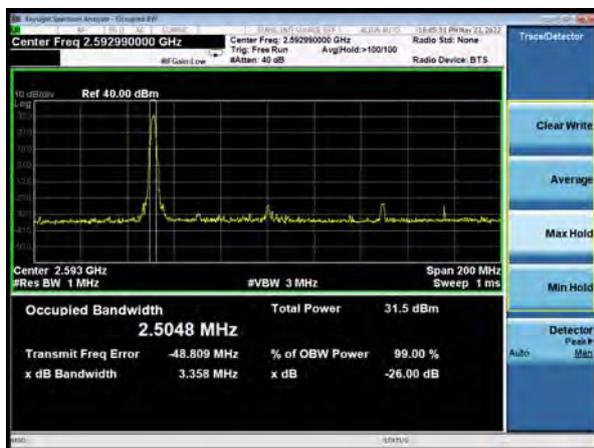
NR n41 P1/2 BPSK 1RB 100MHz CH-Low



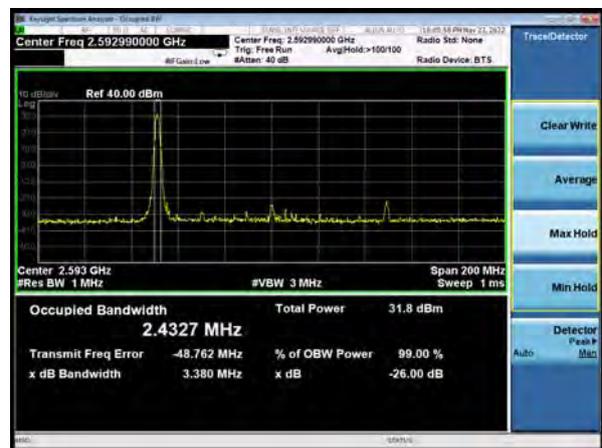
NR n41 QPSK 1RB 100MHz CH-Low



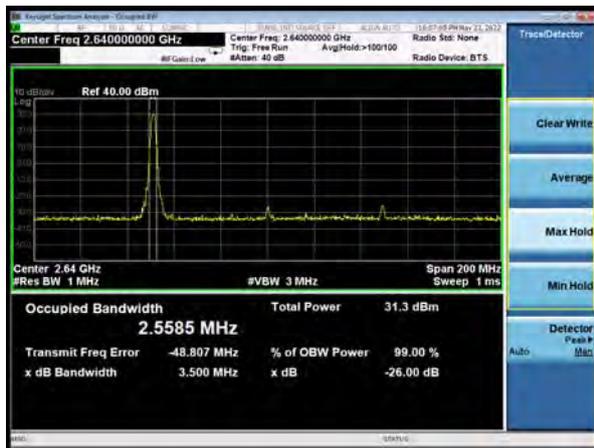
NR 41 P1/2 BPSK 1RB 100MHz CH-Middle



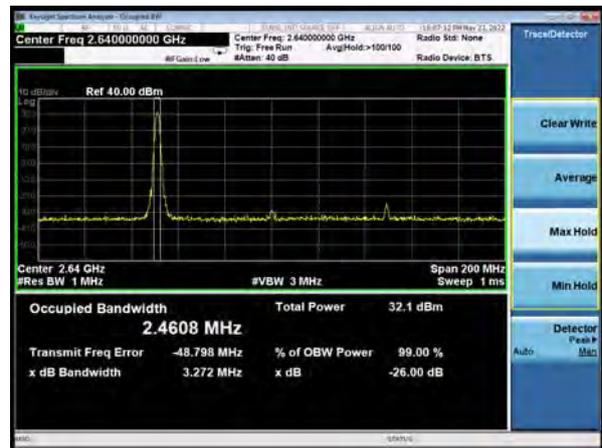
NR n41 QPSK 1RB 100MHz CH-Middle



NR n41 P1/2 BPSK 1RB 100MHz CH-High

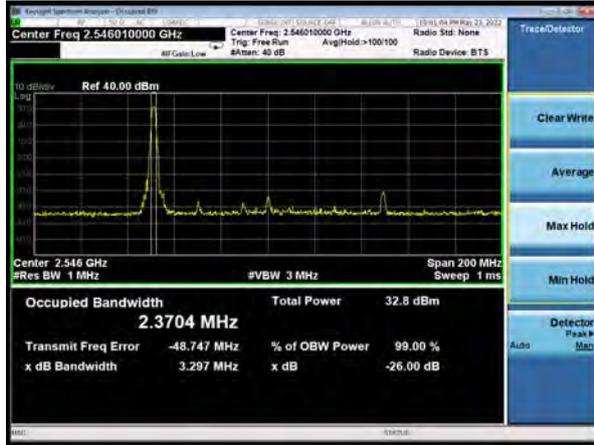


NR n41 QPSK 1RB 100MHz CH-High

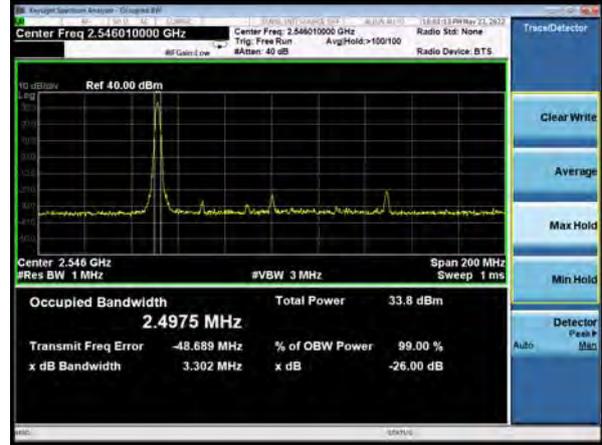




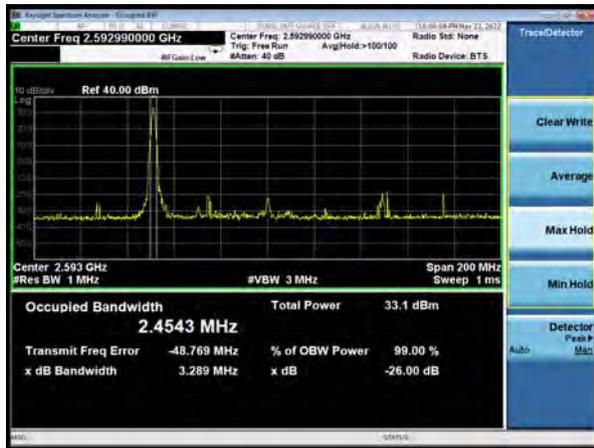
NR n41 16QAM 1RB 100MHz CH-Low



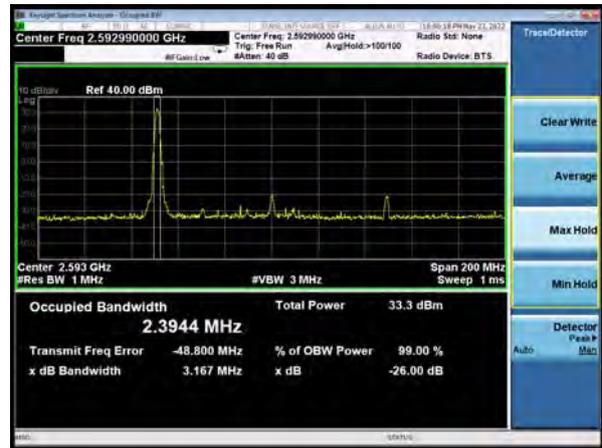
NR n41 64QAM 1RB 100MHz CH-Low



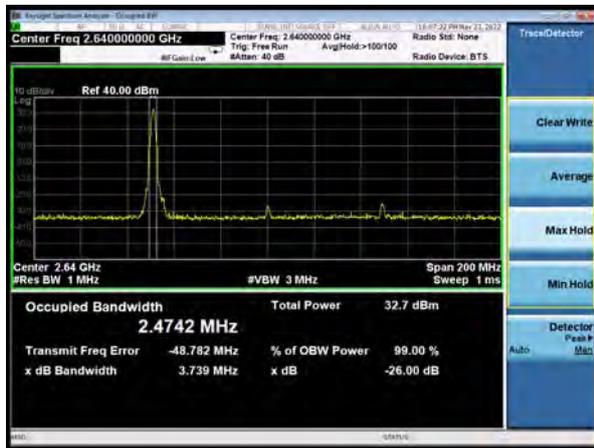
NR n41 16QAM 1RB 100MHz CH-Middle



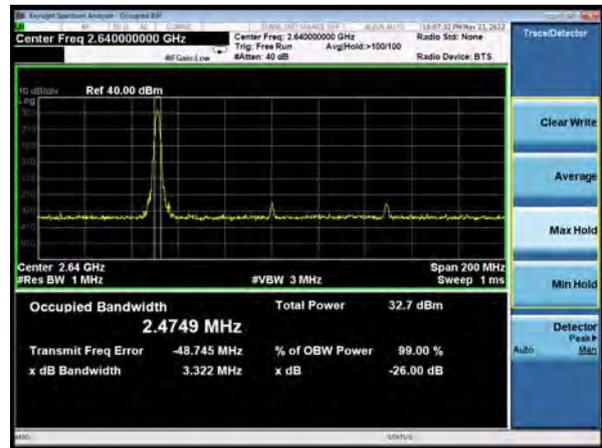
NR n41 64QAM 1RB 100MHz CH-Middle



NR n41 16QAM 1RB 100MHz CH-High

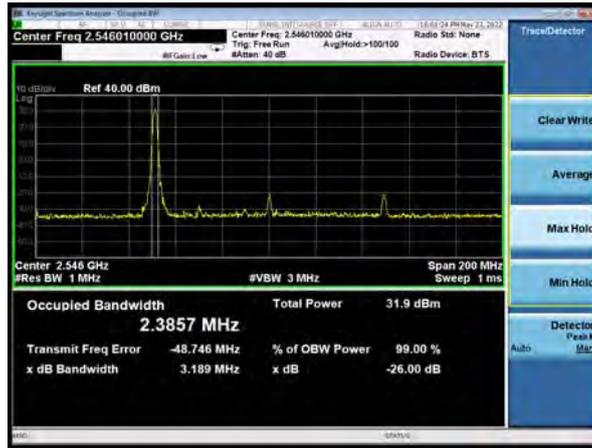


NR n41 64QAM 1RB 100MHz CH-High

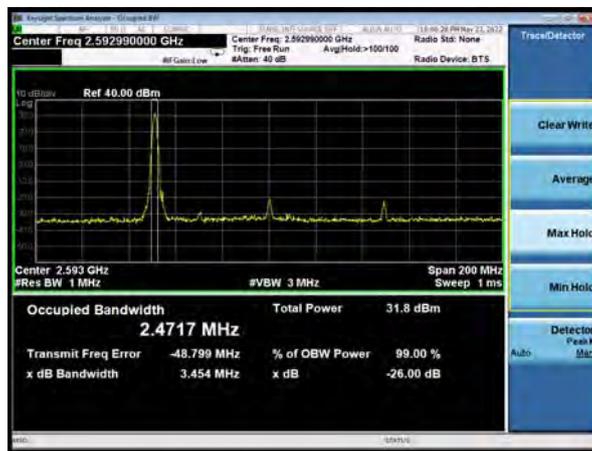




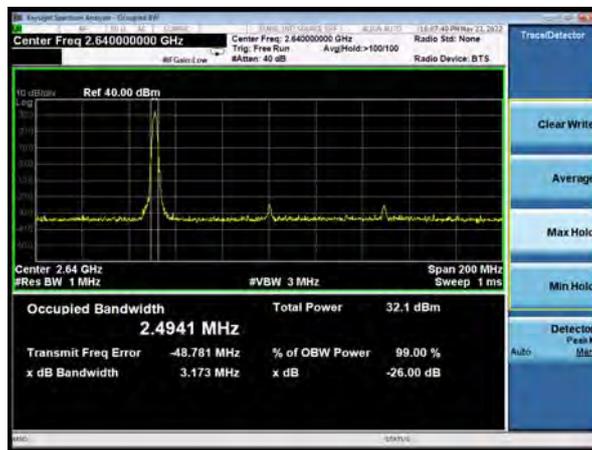
NR n41 256QAM 1RB 100MHz CH-Low



NR n41 256QAM 1RB 100MHz CH-Middle



NR n41 256QAM 1RB 100MHz CH-High





DC_28 A (subset 2)-n41A P1/2 BPSK 100%RB
100MHz CH-Low



DC_28 A (subset 2)-n41A QPSK 100%RB
100MHz CH-Low



DC_28 A (subset 2)-n41A P1/2 BPSK 100%RB
100MHz CH-Middle



DC_28 A (subset 2)-n41A QPSK 100%RB
100MHz CH-Middle



DC_28 A (subset 2)-n41A P1/2 BPSK 100%RB
100MHz CH-High



DC_28 A (subset 2)-n41A QPSK 100%RB
100MHz CH-High





DC_28 A (subset 2)-n41A 16QAM 100%RB
100MHz CH-Low



DC_28 A (subset 2)-n41A 64QAM 100%RB
100MHz CH-Low



DC_28 A (subset 2)-n41A 16QAM 100%RB
100MHz CH-Middle



DC_28 A (subset 2)-n41A 64QAM 100%RB
100MHz CH-Middle



DC_28 A (subset 2)-n41A 16QAM 100%RB
100MHz CH-High



DC_28 A (subset 2)-n41A 64QAM 100%RB
100MHz CH-High





DC_28 A (subset 2)-n41A 256QAM 100%RB
100MHz CH-Low



DC_28 A (subset 2)-n41A 256QAM 100%RB
100MHz CH-Middle

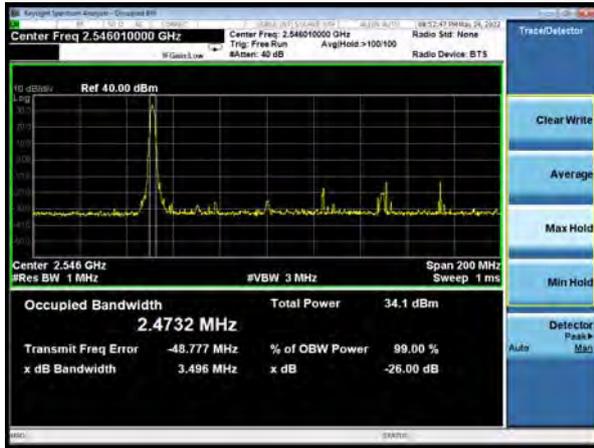


DC_28 A (subset 2)-n41A 256QAM 100%RB
100MHz CH-High

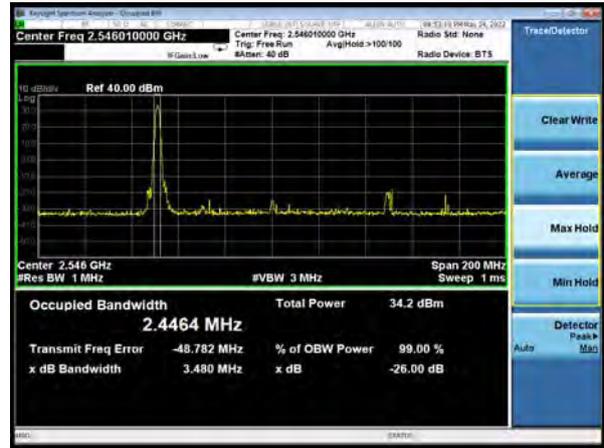




DC_28 A (subset 2)-n41A P1/2 BPSK 1RB
100MHz CH-Low



DC_28 A (subset 2)-n41A QPSK 1RB 100MHz
CH-Low



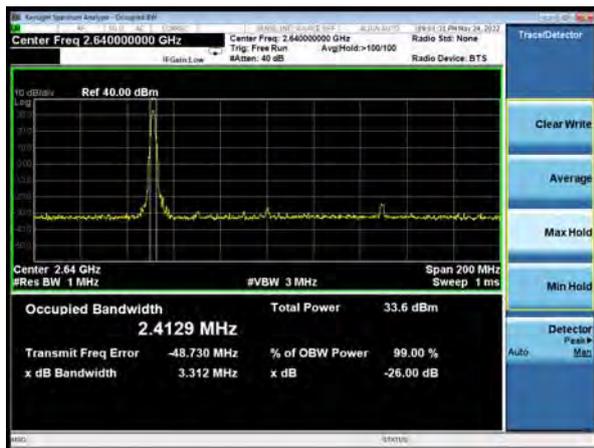
DC_28 A (subset 2)-n41A P1/2 BPSK 1RB
100MHz CH-Middle



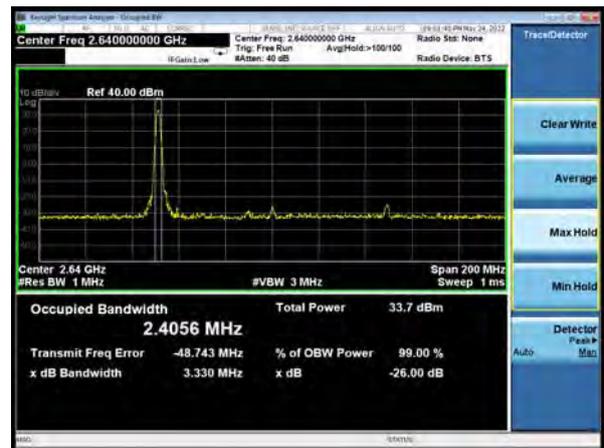
DC_28 A (subset 2)-n41A QPSK 1RB 100MHz
CH-Middle



DC_28 A (subset 2)-n41A P1/2 BPSK 1RB
100MHz CH-High



DC_28 A (subset 2)-n41A QPSK 1RB 100MHz
CH-High





DC_28 A (subset 2)-n41A 16QAM 1RB 100MHz
CH-Low



DC_28 A (subset 2)-n41A 64QAM 1RB 100MHz
CH-Low



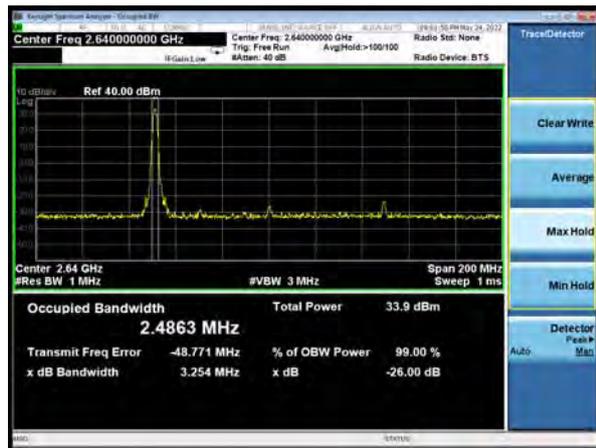
DC_28 A (subset 2)-n41A 16QAM 1RB 100MHz
CH-Middle



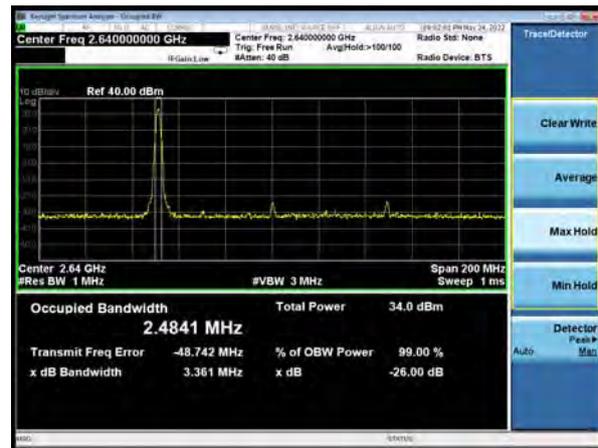
DC_28 A (subset 2)-n41A 64QAM 1RB 100MHz
CH-Middle



DC_28 A (subset 2)-n41A 16QAM 1RB 100MHz
CH-High



DC_28 A (subset 2)-n41A 64QAM 1RB 100MHz
CH-High

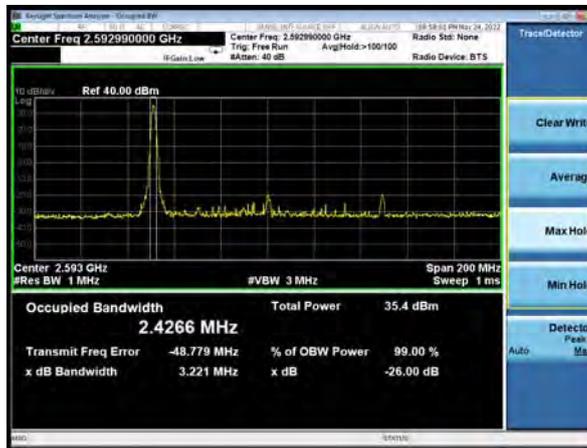




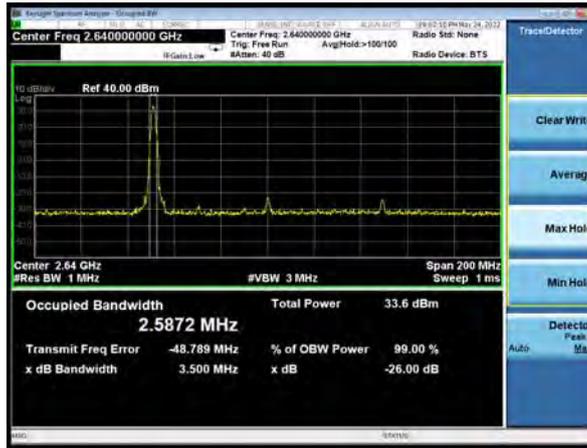
DC_28 A (subset 2)-n41A 256QAM 1RB
100MHz CH-Low



DC_28 A (subset 2)-n41A 256QAM 1RB
100MHz CH-Middle



DC_28 A (subset 2)-n41A 256QAM 1RB
100MHz CH-High

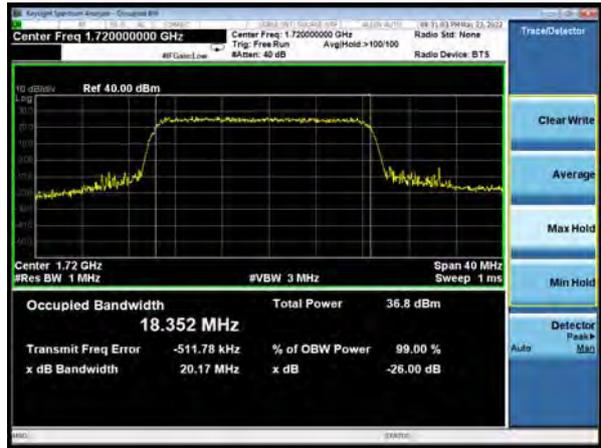




NR n66 P1/2 BPSK 100%RB 20MHz CH-Low



NR n66 QPSK 100%RB 20MHz CH-Low



NR n66 P1/2 BPSK 100%RB 20MHz CH-Middle



NR n66 QPSK 100%RB 20MHz CH-Middle



NR n66 P1/2 BPSK 100%RB 20MHz CH-High



NR n66 QPSK 100%RB 20MHz CH-High





NR n66 16QAM 100%RB 20MHz CH-Low



NR n66 64QAM 100%RB 20MHz CH-Low



NR n66 16QAM 100%RB 20MHz CH-Middle



NR n66 64QAM 100%RB 20MHz CH-Middle



NR n66 16QAM 100%RB 20MHz CH-High



NR n66 64QAM 100%RB 20MHz CH-High

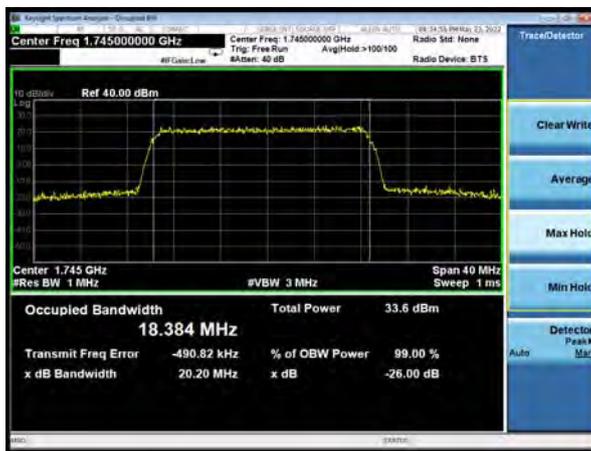




NR n66 256QAM 100%RB 20MHz CH-Low



NR n66 256QAM 100%RB 20MHz CH-Middle



NR n66 256QAM 100%RB 20MHz CH-High





NR n66 P1/2 BPSK 1RB 20MHz CH-Low



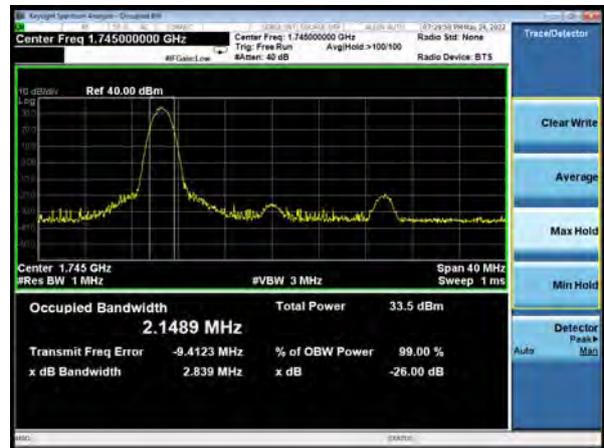
NR n66 QPSK 1RB 20MHz CH-Low



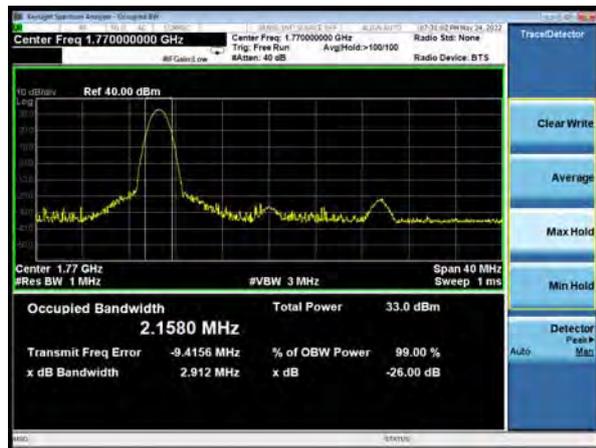
NR n66 P1/2 BPSK 1RB 20MHz CH-Middle



NR n66 QPSK 1RB 20MHz CH-Middle



NR n66 P1/2 BPSK 1RB 20MHz CH-High



NR n66 QPSK 1RB 20MHz CH-High





NR n66 16QAM 1RB 20MHz CH-Low



NR n66 64QAM 1RB 20MHz CH-Low



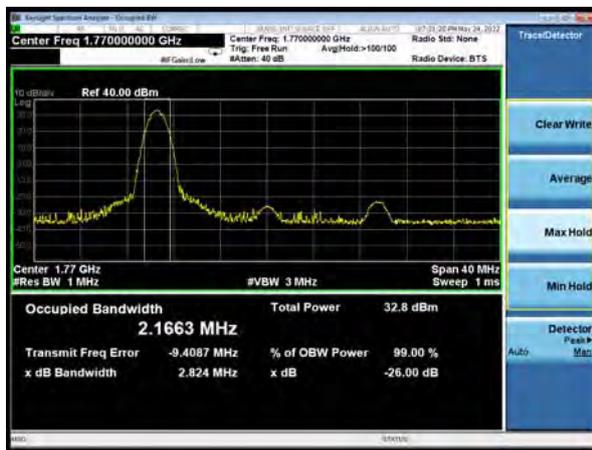
NR n66 16QAM 1RB 20MHz CH-Middle



NR n66 64QAM 1RB 20MHz CH-Middle



NR n66 16QAM 1RB 20MHz CH-High



NR n66 64QAM 1RB 20MHz CH-High

