REPORT No.: SZ22100161W22

TEST REPORT

APPLICANT	:	Shenzhen Tengfei Technology Management Ltd.
PRODUCT NAME	:	5G Mobile Phone
MODEL NAME	:	NX729J
BRAND NAME	:	REDMAGIC
FCC ID	:	2A9QD-NX729J
STANDARD(S)	:	47 CFR Part 2 47 CFR Part 22, Subpart H 47 CFR Part 27, Subpart L&M&O&Q
RECEIPT DATE	:	2022-11-01
TEST DATE	:	2022-11-09 to 2022-12-15
ISSUE DATE	:	2022-12-15

Edited by: LiHuaijie

Li Huaijie (Rapporteur)

Approved by: Shen Junsheng

Shen Junsheng (Supervisor)

DIRECTORY

Change History		
Version	**Date**	**Reason for change**
1.0	2022-12-15	First edition

1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Shenzhen Tengfei Technology Management Ltd.
Applicant Address:	Room 3101, Building D1, Chuangzhi Yuncheng, Liuxian Avenue, Xili Street, Nanshan, Shenzhen, China
Manufacturer:	Shenzhen Tengfei Technology Management Ltd.
Manufacturer Address:	Room 3101, Building D1, Chuangzhi Yuncheng, Liuxian Avenue, Xili Street, Nanshan, Shenzhen, China

1.2. Equipment Under Test (EUT) Description

Product Name:	5G Mobile Phone	
Hardware Version:	NX729J_V1AMB	
Software Version:	NX729J_UNCommon_V3.03	
IMEI:	865590060014150; 865590060014176	
Modulation Type:	DFT-s-OFDM	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM
	CP-OFDM	QPSK, 16QAM, 64QAM, 256QAM
SA Band:	n5, n41, n66, n77	
EN-DC Band:	DC_2A_n77, DC_5A_n77, DC_12A_n77, DC_18A_n77, DC_66A_n77, DC_2A_n41, DC_2C_n41, DC_66A_n41	
Frequency Range:	n5	Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	n41	Tx: 2496MHz-2690MHz
		Rx: 2496MHz-2690MHz
	n66	Tx: 1710MHz-1780MHz
		Rx: 2110MHz-2200MHz
	n77	Tx: 3700MHz-3980MHz
		Rx: 3700MHz-3980MHz
	n77	Tx: 3450MHz-3550MHz
		Rx: 3450MHz-3550MHz
Channel Bandwidth	n5	5MHz, 10MHz, 15MHz, 20MHz
	n41	20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 80MHz, 90MHz, 100MHz

	n66	5MHz, 10MHz, 15MHz, 20MHz
	n77	20MHz, 30MHz, 40MHz, 60MHz, 80MHz, 100MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	n5	Top antenna: -3.40dBi Bottom antenna: -4.50dBi
	n41	-0.50dBi
	n66	-1.50dBi
	n77	-0.50dBi
Accessory Information:	**AC Adapter**	
	Brand Name:	N/A
	Model No.:	STC-A59152050AC-Z
	Serial No.:	N/A
	Rated Input:	100-240V~1.5A, 50/60Hz
	Rated Output:	5V⎓3A; 9V⎓3A; 15V⎓3A; 20V⎓3.25A PPS: 5.0V-11.0V⎓5.0A; 5.0V-20.0V⎓3.25A
	Manufacturer	ShenZhen KunXing Technology Co.,Ltd.
	Battery	
	Brand Name:	ATL
	Model No.:	Li3928T89P8h603285
	Serial No.:	N/A
	Capacity:	2860mAh
	Rated Voltage:	7.78V
	Charge Limit:	8.90V
	Manufacturer:	Dongguan Amperex Technology Limited

Note 1: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

1.3. Maximum ERP/EIRP and Emission Designator

n5	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
20	0.102	0.103	0.082	0.058	0.036	0.075
15	/	0.100	/	/	/	/
10	/	0.099	/	/	/	/
5	/	0.100	/	/	/	/

n66	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
20	0.153	0.155	0.123	0.091	0.059	0.116
15	/	0.152	/	/	/	/
10	/	0.151	/	/	/	/
5	/	0.153	/	/	/	/

n41	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.297	0.311	0.226	0.157	0.095	0.200
90	/	0.279	/	/	/	/
80	/	0.270	/	/	/	/
60	/	0.274	/	/	/	/
50	/	0.289	/	/	/	/
40	/	0.294	/	/	/	/
30	/	0.288	/	/	/	/
20	/	0.296	/	/	/	/

n77 (3700-3980MHz)	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.179	0.192	0.132	0.094	0.056	0.117
80	/	0.177	/	/	/	/
60	/	0.180	/	/	/	/
40	/	0.175	/	/	/	/
30	/	0.189	/	/	/	/
20	/	0.188	/	/	/	/

n77 (3450-3550MHz)	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.184	0.187	0.153	0.110	0.063	0.134
80	/	0.186	/	/	/	/
60	/	0.173	/	/	/	/
40	/	0.182	/	/	/	/
30	/	0.180	/	/	/	/
20	/	0.175	/	/	/	/

DC_2A_n41	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.233	0.239	0.187	0.155	0.090	0.189
90	/	0.229	/	/	/	/
80	/	0.227	/	/	/	/
60	/	0.231	/	/	/	/
50	/	0.230	/	/	/	/
40	/	0.228	/	/	/	/
30	/	0.233	/	/	/	/
20	/	0.231	/	/	/	/

DC_66A_n41	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.234	0.243	0.217	0.165	0.094	0.200
90	/	0.231	/	/	/	/
80	/	0.233	/	/	/	/
60	/	0.234	/	/	/	/
50	/	0.231	/	/	/	/
40	/	0.215	/	/	/	/
30	/	0.232	/	/	/	/
20	/	0.230	/	/	/	/

DC_2A_n77 (3700-3980MHz)	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.183	0.188	0.136	0.096	0.057	0.121
80	/	0.180	/	/	/	/
60	/	0.182	/	/	/	/
40	/	0.185	/	/	/	/
30	/	0.178	/	/	/	/
20	/	0.180	/	/	/	/

DC_5A_n77 (3700-3980MHz)	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.175	0.178	0.133	0.098	0.058	0.120
80	/	0.181	/	/	/	/
60	/	0.183	/	/	/	/
40	/	0.181	/	/	/	/
30	/	0.178	/	/	/	/
20	/	0.173	/	/	/	/

DC_12A_n77 (3700-3980MHz)	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.179	0.182	0.137	0.098	0.057	0.120
80	/	0.178	/	/	/	/
60	/	0.180	/	/	/	/
40	/	0.180	/	/	/	/
30	/	0.177	/	/	/	/
20	/	0.178	/	/	/	/

DC_18A_n77 (3700-3980MHz)	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.179	0.190	0.131	0.097	0.057	0.120
80	/	0.175	/	/	/	/
60	/	0.184	/	/	/	/
40	/	0.179	/	/	/	/
30	/	0.174	/	/	/	/
20	/	0.173	/	/	/	/

DC_66A_n77 (3700-3980MHz)	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.183	0.186	0.138	0.096	0.057	0.120
80	/	0.181	/	/	/	/
60	/	0.184	/	/	/	/
40	/	0.182	/	/	/	/
30	/	0.185	/	/	/	/
20	/	0.182	/	/	/	/

DC_2A_n77 (3450-3550MHz)	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.189	0.197	0.148	0.100	0.062	0.135
80	/	0.188	/	/	/	/
60	/	0.194	/	/	/	/
40	/	0.188	/	/	/	/
30	/	0.190	/	/	/	/
20	/	0.193	/	/	/	/

DC_5A_n77 (3450-3550MHz)	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.188	0.197	0.154	0.099	0.064	0.136
80	/	0.187	/	/	/	/
60	/	0.193	/	/	/	/
40	/	0.191	/	/	/	/
30	/	0.190	/	/	/	/
20	/	0.191	/	/	/	/

DC_12A_n77 (3450-3550MHz)	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.187	0.189	0.153	0.112	0.065	0.136
80	/	0.185	/	/	/	/
60	/	0.187	/	/	/	/
40	/	0.187	/	/	/	/
30	/	0.186	/	/	/	/
20	/	0.180	/	/	/	/

DC_18A_n77 (3450-3550MHz)	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.187	0.189	0.151	0.101	0.066	0.135
80	/	0.184	/	/	/	/
60	/	0.187	/	/	/	/
40	/	0.187	/	/	/	/
30	/	0.187	/	/	/	/
20	/	0.187	/	/	/	/

DC_66A_n77 (3450-3550MHz)	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.190	0.191	0.154	0.114	0.065	0.136
80	/	0.187	/	/	/	/
60	/	0.183	/	/	/	/
40	/	0.190	/	/	/	/
30	/	0.188	/	/	/	/
20	/	0.182	/	/	/	/

n5	Emission Designator (99%OBW)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
20	18M0G7D	17M9G7D	18M0W7D	17M9D7W	18M1D7W	19M0G7D
15	13M4G7D	13M5G7D	13M6W7D	13M5D7W	13M5D7W	14M1G7D
10	9M02G7D	8M99G7D	8M95W7D	8M93D7W	9M03D7W	9M30G7D
5	4M46G7D	4M48G7D	4M48W7D	4M48D7W	4M52D7W	4M47G7D

n66	Emission Designator (99%OBW)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
20	18M1G7D	18M1G7D	18M1W7D	18M1D7W	17M9D7W	18M9G7D
15	13M4G7D	13M5G7D	13M6W7D	13M5D7W	13M5D7W	14M3G7D
10	8M94G7D	8M96G7D	8M97W7D	8M95D7W	9M02D7W	9M39G7D
5	4M50G7D	4M47G7D	4M49W7D	4M51D7W	4M50D7W	4M49G7D

n41	Emission Designator (99%OBW)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	97M5G7D	97M9G7D	97M5W7D	97M4D7W	97M2D7W	97M5G7D
90	86M8G7D	86M7G7D	86M5W7D	86M8D7W	87M0D7W	87M9G7D
80	78M1G7D	77M4G7D	78M0W7D	77M9D7W	77M1D7W	77M7G7D
60	58M6G7D	58M7G7D	58M5W7D	57M9D7W	58M2D7W	58M5G7D
50	46M3G7D	45M9G7D	46M0W7D	46M1D7W	46M0D7W	46M2G7D
40	35M9G7D	36M0G7D	36M0W7D	36M0D7W	36M1D7W	36M3G7D
30	27M0G7D	27M0G7D	27M1W7D	26M9D7W	27M0D7W	26M9G7D
20	17M9G7D	17M9G7D	18M0W7D	17M9D7W	18M1D7W	18M0G7D

n77 (3700-3980MHz)	Emission Designator (99%OBW)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	97M4G7D	97M7G7D	97M3W7D	97M0D7W	97M1D7W	97M5G7D
80	77M2G7D	78M0G7D	77M8W7D	77M8D7W	78M2D7W	77M7G7D
60	58M6G7D	58M4G7D	58M5W7D	58M6D7W	58M5D7W	58M6G7D
40	36M1G7D	36M0G7D	36M1W7D	36M2D7W	36M0D7W	36M1G7D
30	26M9G7D	26M6G7D	27M1W7D	27M0D7W	27M1D7W	27M0G7D
20	18M0G7D	18M1G7D	18M0W7D	17M9D7W	18MD7W	18M0G7D

n77 (3450-3550MHz)	Emission Designator (99%OBW)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	96M3G7D	96M4G7D	96M3W7D	96M4D7W	96M1D7W	97M1G7D
80	77M0G7D	77M0G7D	77M4W7D	77M1D7W	77M1D7W	77M6G7D
60	57M9G7D	57M9G7D	57M9W7D	57M9D7W	57M8D7W	57M7G7D
40	35M8G7D	35M8G7D	35M8W7D	35M8D7W	35M8D7W	37M9G7D
30	26M8G7D	26M8G7D	26M9W7D	26M8D7W	26M9D7W	27M9G7D
20	17M8G7D	17M9G7D	17M9W7D	17M9D7W	17M8D7W	18M3G7D

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1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, and Part 27 for the EUT FCC ID Certification:

No	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22	Public Mobile Services
3	47 CFR Part 27	Miscellaneous Wireless Communications Services

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Test detailed items/section required by FCC rules and results are as below:

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046, 22.913(a)(5) 27.50(d)(4) 27.50(h)(2) 27.50(j)(3) 27.50(k)(3)	Transmitter Conducted Output Power and ERP/EIRP	Nov 09, 2022 to Dec 15, 2022	Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Nov 09, 2022 to Dec 15, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355	Frequency Stability	Nov 09, 2022 to Dec 15, 2022	Li Huaijie	PASS	No deviation
27.50(d)(5) 27.50(j)(4) 27.50(k)(4)	Peak to Average Radio	Nov 09, 2022 to Dec 15, 2022	Li Huaijie	PASS	No deviation
2.1051, 22.917(a) 27.53(h) 27.53(l) (2) 27.53(m) (4) 27.53(n) (2)	Conducted Spurious Emissions	Nov 09, 2022 to Dec 15, 2022	Li Huaijie	PASS	No deviation
2.1051, 22.917(a) 27.53(h) 27.53(l) (2) 27.53(m) (4) 27.53(n) (2)	Band Edge	Nov 09, 2022 to Dec 15, 2022	Li Huaijie	PASS	No deviation
2.1051, 22.917(a) 27.53(h) 27.53(l) (2) 27.53(m) (4) 27.53(n) (2)	Radiated Spurious Emissions	Dec 05, 2022	Su Zhan	PASS	No deviation

Note 1: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.
Note 2: The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipment. The ref offset 5.5dB contains two parts that cable loss 5.5dB.
Note 3: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15 - 35
Relative Humidity (%):	30 -60
Atmospheric Pressure (kPa):	86-106

2. 47 CFR Part 2, Part 22H, and Part 27 L&M&O&Q Requirements

2.1. Transmitter Conducted Output Power And ERP/EIRP

2.1.1.Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 22.913 (a)(5) for n5, the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

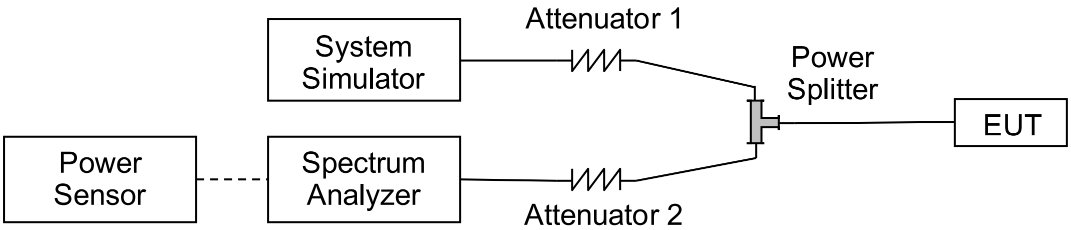
According to FCC section 27.50 (h)(2) for n41, mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 27.50 (d)(4) for n66, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

According to FCC section 27.50(j)(3) for n77(3700-3980MHz), mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50(k)(3) for n77(3450-3550MHz), Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

2.1.2.Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.1.3.Test procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

ERP (dBm) = EIPR (dBm) - 2.15

2.1.4.Conducted Output Power:

n5 (824 ~ 849 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				166800	167300	167800
Frequency (MHz)				834	836.5	839
20	DFT-s-OFDM PI/2 BPSK	1	1	23.20	23.15	23.50
20		1	53	23.13	23.26	23.24
20		1	104	22.91	23.07	23.14
20		50	1	22.35	22.31	22.33
20		50	25	22.40	22.65	22.50
20		50	50	22.46	22.49	22.36
20		100	0	22.56	22.33	22.50
20	DFT-s-OFDM QPSK	1	1	23.42	23.52	23.41
20		1	53	23.13	23.28	23.34
20		1	104	22.82	23.13	23.22
20		50	1	22.34	22.50	22.46
20		50	25	22.25	22.26	22.32
20		50	50	22.11	22.27	22.32
20		100	0	22.23	22.35	22.43
20	DFT-s-OFDM 16QAM	1	1	22.40	22.54	22.55
20	DFT-s-OFDM 64QAM	1	1	20.90	21.01	21.05
20	DFT-s-OFDM 256QAM	1	1	18.82	19.02	18.87
Channel				166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5
15	DFT-s-OFDM QPSK	1	1	23.22	23.38	23.26
Channel				165800	167300	168800
Frequency (MHz)				829	836.5	844
10	DFT-s-OFDM QPSK	1	1	23.37	23.29	23.36
Channel				165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5
5	DFT-s-OFDM QPSK	1	1	23.41	23.40	23.31
Channel				166800	167300	167800
Frequency (MHz)				834	836.5	839
20	CP-OFDM QPSK	1	1	22.08	22.03	22.14

20	CP-OFDM 16QAM	1	1	21.58	21.53	21.70
20	CP-OFDM 64QAM	1	1	20.32	20.32	20.42
20	CP-OFDM 256QAM	1	1	17.12	17.16	17.11

n41 (2496 ~ 2690MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640.00
100	DFT-s-OFDM PI/2 BPSK	1	1	25.02	24.99	25.12
100		1	136	25.08	25.16	25.23
100		1	272	24.13	24.32	24.43
100		135	1	23.80	23.81	23.95
100		135	67	24.09	24.15	24.03
100		135	136	23.91	24.15	24.16
100		270	0	23.87	23.95	23.98
100	DFT-s-OFDM QPSK	1	1	25.27	25.43	25.31
100		1	136	25.07	25.17	25.21
100		1	272	24.11	24.25	24.29
100		135	1	24.45	24.55	24.43
100		135	67	24.16	24.24	24.26
100		135	136	23.42	23.58	23.60
100		270	0	23.37	23.45	23.49
100	DFT-s-OFDM 16QAM	1	1	23.61	24.00	24.05
100	DFT-s-OFDM 64QAM	1	1	22.46	22.42	22.34
100	DFT-s-OFDM 256QAM	1	1	20.22	20.24	20.28
Channel				508200	518598	528996
Frequency (MHz)				2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	24.83	24.96	24.81
Channel				507204	518598	529998
Frequency (MHz)				2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	24.82	24.77	24.77
Channel				505200	518598	531996
Frequency (MHz)				2526.00	2592.99	2659.98

60	DFT-s-OFDM QPSK	1	1	24.87	24.86	24.40
Channel				504204	518598	532998
Frequency (MHz)				2521.02	2592.99	2664.99
50	DFT-s-OFDM QPSK	1	1	21.31	24.97	25.11
Channel				503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670.00
40	DFT-s-OFDM QPSK	1	1	24.71	25.14	25.19
Channel				502200	518598	534996
Frequency (MHz)				2511.00	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	25.00	25.09	24.30
Channel				501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	24.85	25.19	25.21
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640.00
100	CP-OFDM QPSK	1	1	23.52	23.36	23.23
100	CP-OFDM 16QAM	1	1	22.47	22.91	22.92
100	CP-OFDM 64QAM	1	1	21.28	21.29	21.30
100	CP-OFDM 256QAM	1	1	18.22	18.11	18.14

n66 (1710 ~ 1780 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM PI/2 BPSK	1	1	23.33	23.31	23.16
20		1	53	23.22	23.21	22.76
20		1	104	23.34	23.32	23.21
20		53	1	22.58	22.60	22.45
20		53	26	22.50	22.52	22.30
20		53	52	22.37	22.44	22.36
20		106	0	22.79	22.77	22.64
20	DFT-s-OFDM QPSK	1	1	23.20	23.39	23.25
20		1	53	23.16	22.98	23.16
20		1	104	23.15	23.16	23.28
20		53	1	22.53	22.57	22.45
20		53	26	22.52	22.58	22.47
20		53	52	22.45	22.46	22.38
20		106	0	22.34	22.20	22.18
20	DFT-s-OFDM 16QAM	1	1	22.41	22.39	22.24
20	DFT-s-OFDM 64QAM	1	1	21.09	21.08	21.01
20	DFT-s-OFDM 256QAM	1	1	19.20	19.10	19.00
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	23.33	23.26	23.14
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	23.30	23.19	23.18
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	23.36	23.26	22.21
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	CP-OFDM QPSK	1	1	22.13	22.10	22.12
20	CP-OFDM 16QAM	1	1	21.62	21.60	21.54

20	CP-OFDM 64QAM	1	1	20.41	20.41	20.25
20	CP-OFDM 256QAM	1	1	16.78	16.86	16.50

n77 (3700 MHz ~ 3980 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	22.95	22.74	22.89
100		1	136	23.02	22.81	22.73
100		1	271	23.04	22.59	22.82
100		135	1	22.18	22.13	22.15
100		135	67	22.30	22.55	22.50
100		135	136	22.22	21.98	21.96
100		270	0	22.16	22.02	22.03
100	DFT-s-OFDM QPSK	1	1	23.21	23.34	23.22
100		1	136	22.88	22.76	22.70
100		1	271	22.96	22.55	22.77
100		135	1	22.58	22.64	22.62
100		135	67	22.46	22.57	22.52
100		135	136	22.32	22.09	22.10
100		270	0	22.25	22.13	22.14
100	DFT-s-OFDM 16QAM	1	1	21.69	21.65	21.60
100	DFT-s-OFDM 64QAM	1	1	20.21	19.94	20.25
100	DFT-s-OFDM 256QAM	1	1	17.97	17.89	17.86
Channel				649334	656000	662666
Frequency (MHz)				3740	3840	3940
80	DFT-s-OFDM QPSK	1	1	22.99	22.92	22.92
Channel				648668	656000	663332
Frequency (MHz)				3730.005	3840	3949.995
60	DFT-s-OFDM QPSK	1	1	23.05	23.06	22.86
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	22.68	22.94	22.48

Channel				647668	656000	664332
Frequency (MHz)				3715.005	3840	3965
30	DFT-s-OFDM QPSK	1	1	23.23	23.27	23.10
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	23.24	23.13	23.04
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	CP-OFDM QPSK	1	1	21.19	21.15	21.15
100	CP-OFDM 16QAM	1	1	20.46	20.54	20.52
100	CP-OFDM 64QAM	1	1	19.16	19.12	19.04
100	CP-OFDM 256QAM	1	1	15.90	15.95	16.05

n77 (3450 MHz ~ 3550 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.15	/
100		1	136	/	22.93	/
100		1	271	/	22.72	/
100		135	1	/	22.33	/
100		135	67	/	22.21	/
100		135	136	/	22.30	/
100		270	0	/	22.46	/
100	DFT-s-OFDM QPSK	1	1	/	23.21	/
100		1	136	/	23.18	/
100		1	271	/	23.16	/
100		135	1	/	22.55	/
100		135	67	/	22.42	/
100		135	136	/	22.38	/
100		270	0	/	22.47	/
100	DFT-s-OFDM 16QAM	1	1	/	22.34	/
100	DFT-s-OFDM 64QAM	1	1	/	20.90	/
100	DFT-s-OFDM 256QAM	1	1	/	18.49	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.11	23.18	23.19
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	22.83	22.88	22.67
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.04	23.11	23.03
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	22.44	22.88	23.06
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540

20	DFT-s-OFDM QPSK	1	1	22.87	22.93	22.87
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	CP-OFDM QPSK	1	1	/	21.76	/
100	CP-OFDM 16QAM	1	1	/	21.29	/
100	CP-OFDM 64QAM	1	1	/	19.68	/
100	CP-OFDM 256QAM	1	1	/	16.63	/

DC_2A_n41 (2496 ~ 2690MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640.00
100	DFT-s-OFDM PI/2 BPSK	1	1	23.90	23.79	24.13
100		1	136	23.98	24.17	23.57
100		1	272	23.91	23.82	23.83
100		135	1	23.09	22.96	22.79
100		135	67	23.13	23.14	22.85
100		135	136	22.36	22.33	22.88
100		270	0	23.16	23.17	22.88
100	DFT-s-OFDM QPSK	1	1	24.14	24.28	24.11
100		1	136	23.73	23.74	23.85
100		1	272	23.94	23.96	23.91
100		135	1	23.08	23.10	23.04
100		135	67	22.94	22.99	22.87
100		135	136	22.27	22.35	22.85
100		270	0	23.06	23.11	22.90
100	DFT-s-OFDM 16QAM	1	1	23.16	23.22	23.15
100	DFT-s-OFDM 64QAM	1	1	22.16	22.41	22.23
100	DFT-s-OFDM 256QAM	1	1	20.01	20.04	19.94
Channel				508200	518598	528996
Frequency (MHz)				2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	23.87	23.82	24.10

Channel				507204	518598	529998
Frequency (MHz)				2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	24.06	24.02	23.85
Channel				505200	518598	531996
Frequency (MHz)				2526.00	2592.99	2659.98
60	DFT-s-OFDM QPSK	1	1	23.80	24.13	24.10
Channel				504204	518598	532998
Frequency (MHz)				2521.02	2592.99	2664.99
50	DFT-s-OFDM QPSK	1	1	24.12	23.19	24.10
Channel				503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670.00
40	DFT-s-OFDM QPSK	1	1	24.07	23.58	23.34
Channel				502200	518598	534996
Frequency (MHz)				2511.00	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	23.90	24.17	23.96
Channel				501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	24.14	23.99	23.99
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640.00
100	CP-OFDM QPSK	1	1	22.93	23.13	23.27
100	CP-OFDM 16QAM	1	1	22.44	22.62	22.78
100	CP-OFDM 64QAM	1	1	21.48	21.27	21.29
100	CP-OFDM 256QAM	1	1	18.27	18.00	17.99

DC_66A_n41 (2496 ~ 2690MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640.00
100	DFT-s-OFDM PI/2 BPSK	1	1	24.13	24.04	24.09
100		1	136	24.08	24.20	24.08
100		1	272	24.16	23.34	23.75
100		135	1	23.51	23.42	23.47
100		135	67	23.46	23.58	23.46
100		135	136	23.54	22.72	23.13
100		270	0	23.50	23.57	23.44
100	DFT-s-OFDM QPSK	1	1	24.21	24.35	24.25
100		1	136	23.66	23.78	23.72
100		1	272	23.44	23.55	23.22
100		135	1	23.55	23.61	23.54
100		135	67	23.49	23.46	23.48
100		135	136	23.38	23.50	23.47
100		270	0	23.43	23.46	23.45
100	DFT-s-OFDM 16QAM	1	1	23.50	23.87	23.82
100	DFT-s-OFDM 64QAM	1	1	22.13	22.67	22.61
100	DFT-s-OFDM 256QAM	1	1	20.23	20.23	20.25
Channel				508200	518598	528996
Frequency (MHz)				2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	23.86	24.13	23.69
Channel				507204	518598	529998
Frequency (MHz)				2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	23.97	24.17	23.82
Channel				505200	518598	531996
Frequency (MHz)				2526.00	2592.99	2659.98
60	DFT-s-OFDM QPSK	1	1	23.79	24.05	24.19
Channel				504204	518598	532998
Frequency (MHz)				2521.02	2592.99	2664.99

50	DFT-s-OFDM QPSK	1	1	23.98	24.13	23.38
Channel				503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670.00
40	DFT-s-OFDM QPSK	1	1	23.71	23.73	23.82
Channel				502200	518598	534996
Frequency (MHz)				2511.00	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	23.85	24.16	23.87
Channel				501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	24.12	24.02	24.03
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640.00
100	CP-OFDM QPSK	1	1	23.18	23.50	23.45
100	CP-OFDM 16QAM	1	1	22.36	22.33	22.42
100	CP-OFDM 64QAM	1	1	21.61	21.60	21.42
100	CP-OFDM 256QAM	1	1	18.29	18.24	18.13

DC_2A_n77 (3700 MHz ~ 3980 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	23.05	22.93	23.06
100		1	136	23.12	23.03	22.98
100		1	271	22.95	22.75	23.05
100		135	1	22.33	22.20	21.99
100		135	67	22.70	22.59	22.53
100		135	136	22.26	21.98	22.10
100		270	0	22.26	22.11	22.16
100	DFT-s-OFDM QPSK	1	1	23.06	23.24	23.04
100		1	136	23.07	22.99	22.96
100		1	271	23.16	22.75	23.03
100		135	1	22.47	22.64	22.61
100		135	67	22.48	22.38	22.36
100		135	136	21.72	21.46	21.57
100		270	0	21.77	21.60	21.58
100	DFT-s-OFDM 16QAM	1	1	21.78	21.60	21.85
100	DFT-s-OFDM 64QAM	1	1	20.29	20.33	20.29
100	DFT-s-OFDM 256QAM	1	1	17.97	17.91	18.03
Channel				649334	656000	662666
Frequency (MHz)				3740	3840	3940
80	DFT-s-OFDM QPSK	1	1	23.05	22.96	22.97
Channel				648668	656000	663332
Frequency (MHz)				3730.005	3840	3949.995
60	DFT-s-OFDM QPSK	1	1	23.10	23.08	22.99
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	22.84	23.17	22.96
Channel				647668	656000	664332
Frequency (MHz)				3715.005	3840	3965

30	DFT-s-OFDM QPSK	1	1	22.74	23.01	22.92
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	23.06	23.02	22.94
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	CP-OFDM QPSK	1	1	21.27	21.16	21.31
100	CP-OFDM 16QAM	1	1	20.53	20.52	20.46
100	CP-OFDM 64QAM	1	1	19.19	19.28	19.36
100	CP-OFDM 256QAM	1	1	16.01	15.97	16.03

DC_5A_n77 (3700 MHz ~ 3980 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	22.92	22.78	22.88
100		1	136	22.94	22.83	22.79
100		1	271	22.83	22.63	22.82
100		135	1	22.24	22.18	21.99
100		135	67	22.49	22.59	22.56
100		135	136	22.27	22.01	22.12
100		270	0	22.31	22.18	22.15
100	DFT-s-OFDM QPSK	1	1	22.96	23.01	22.98
100		1	136	22.91	22.81	22.73
100		1	271	23.00	22.60	22.89
100		135	1	22.74	22.75	22.72
100		135	67	22.70	22.58	22.56
100		135	136	21.74	21.49	21.63
100		270	0	21.81	21.61	21.62
100	DFT-s-OFDM 16QAM	1	1	21.74	21.64	21.75
100	DFT-s-OFDM 64QAM	1	1	20.29	20.29	20.43

100	DFT-s-OFDM 256QAM	1	1	18.10	17.88	18.07
Channel				649334	656000	662666
Frequency (MHz)				3740	3840	3940
80	DFT-s-OFDM QPSK	1	1	23.08	22.97	22.97
Channel				648668	656000	663332
Frequency (MHz)				3730.005	3840	3949.995
60	DFT-s-OFDM QPSK	1	1	23.10	23.12	22.94
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.07	23.07	23.04
Channel				647668	656000	664332
Frequency (MHz)				3715.005	3840	3965
30	DFT-s-OFDM QPSK	1	1	22.95	23.00	22.97
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	22.87	22.81	22.81
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	CP-OFDM QPSK	1	1	21.27	21.18	21.29
100	CP-OFDM 16QAM	1	1	20.83	20.68	20.79
100	CP-OFDM 64QAM	1	1	19.45	19.32	19.42
100	CP-OFDM 256QAM	1	1	16.04	16.02	16.08

DC_12A_n77 (3700 MHz ~ 3980 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	22.98	22.76	22.95
100		1	136	23.04	22.92	22.84
100		1	271	23.01	22.70	22.87
100		135	1	22.27	22.13	22.20
100		135	67	22.63	22.60	22.56
100		135	136	22.31	22.03	22.16
100		270	0	22.32	22.15	22.17
100	DFT-s-OFDM QPSK	1	1	22.96	23.10	22.90
100		1	136	22.96	22.88	22.78
100		1	271	22.96	22.65	22.93
100		135	1	22.62	22.63	22.52
100		135	67	22.53	22.51	22.56
100		135	136	21.76	21.51	21.60
100		270	0	21.84	21.66	21.65
100	DFT-s-OFDM 16QAM	1	1	21.82	21.65	21.87
100	DFT-s-OFDM 64QAM	1	1	20.40	20.21	20.34
100	DFT-s-OFDM 256QAM	1	1	18.02	17.88	18.08
Channel				649334	656000	662666
Frequency (MHz)				3740	3840	3940
80	DFT-s-OFDM QPSK	1	1	23.00	22.93	22.89
Channel				648668	656000	663332
Frequency (MHz)				3730.005	3840	3949.995
60	DFT-s-OFDM QPSK	1	1	23.05	23.01	22.94
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.05	22.92	22.72
Channel				647668	656000	664332
Frequency (MHz)				3715.005	3840	3965

30	DFT-s-OFDM QPSK	1	1	22.97	22.99	22.86
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	23.01	22.93	22.92
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	CP-OFDM QPSK	1	1	21.28	21.13	21.28
100	CP-OFDM 16QAM	1	1	20.77	20.63	20.79
100	CP-OFDM 64QAM	1	1	19.22	19.31	19.40
100	CP-OFDM 256QAM	1	1	15.93	16.03	16.08

DC_18A_n77 (3700 MHz ~ 3980 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	23.02	22.78	22.92
100		1	136	23.02	22.88	22.82
100		1	271	22.83	22.67	22.85
100		135	1	22.27	22.30	22.21
100		135	67	22.74	22.60	22.58
100		135	136	22.30	22.00	22.14
100		270	0	22.32	22.15	22.19
100	DFT-s-OFDM QPSK	1	1	23.26	23.29	23.25
100		1	136	23.16	23.06	22.96
100		1	271	23.26	22.86	23.07
100		135	1	22.48	22.55	22.53
100		135	67	22.45	22.32	22.37
100		135	136	22.42	22.33	22.20
100		270	0	22.24	22.26	22.23
100	DFT-s-OFDM 16QAM	1	1	21.61	21.55	21.66
100	DFT-s-OFDM 64QAM	1	1	20.39	20.15	20.36

100	DFT-s-OFDM 256QAM	1	1	18.01	17.93	18.08
Channel				649334	656000	662666
Frequency (MHz)				3740	3840	3940
80	DFT-s-OFDM QPSK	1	1	22.93	22.81	22.85
Channel				648668	656000	663332
Frequency (MHz)				3730.005	3840	3949.995
60	DFT-s-OFDM QPSK	1	1	23.13	23.14	23.01
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.02	22.88	22.78
Channel				647668	656000	664332
Frequency (MHz)				3715.005	3840	3965
30	DFT-s-OFDM QPSK	1	1	22.90	22.79	22.68
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	22.87	22.77	22.76
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	CP-OFDM QPSK	1	1	21.26	21.16	21.30
100	CP-OFDM 16QAM	1	1	20.55	20.54	20.47
100	CP-OFDM 64QAM	1	1	19.40	19.30	19.34
100	CP-OFDM 256QAM	1	1	16.05	16.00	16.15

DC_66A_n77 (3700 MHz ~ 3980 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	23.11	22.90	23.04
100		1	136	23.13	22.99	22.96
100		1	271	23.06	22.80	23.01
100		135	1	22.27	22.27	22.27
100		135	67	22.74	22.63	22.56
100		135	136	22.29	21.99	22.11
100		270	0	22.32	22.16	22.19
100	DFT-s-OFDM QPSK	1	1	23.05	23.20	23.02
100		1	136	23.08	22.98	22.90
100		1	271	23.16	22.77	22.98
100		135	1	22.61	22.68	22.52
100		135	67	22.43	22.42	22.55
100		135	136	21.77	21.53	21.63
100		270	0	21.84	21.65	21.65
100	DFT-s-OFDM 16QAM	1	1	21.76	21.63	21.90
100	DFT-s-OFDM 64QAM	1	1	20.29	20.20	20.33
100	DFT-s-OFDM 256QAM	1	1	18.02	17.93	18.05
Channel				649334	656000	662666
Frequency (MHz)				3740	3840	3940
80	DFT-s-OFDM QPSK	1	1	23.07	23.03	22.97
Channel				648668	656000	663332
Frequency (MHz)				3730.005	3840	3949.995
60	DFT-s-OFDM QPSK	1	1	23.15	23.14	22.52
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.10	22.99	22.85
Channel				647668	656000	664332
Frequency (MHz)				3715.005	3840	3965

30	DFT-s-OFDM QPSK	1	1	23.16	23.04	22.86
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	23.11	23.00	22.96
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	CP-OFDM QPSK	1	1	21.25	21.18	21.28
100	CP-OFDM 16QAM	1	1	20.59	20.66	20.51
100	CP-OFDM 64QAM	1	1	19.42	19.34	19.38
100	CP-OFDM 256QAM	1	1	16.05	16.03	16.14

DC_2A_n77 (3450 MHz ~ 3550 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.26	/
100		1	136	/	22.99	/
100		1	271	/	22.72	/
100		135	1	/	22.42	/
100		135	67	/	22.36	/
100		135	136	/	22.12	/
100		270	0	/	22.64	/
100	DFT-s-OFDM QPSK	1	1	/	23.45	/
100		1	136	/	22.92	/
100		1	271	/	22.69	/
100		135	1	/	22.51	/
100		135	67	/	22.42	/
100		135	136	/	22.28	/
100		270	0	/	22.16	/
100	DFT-s-OFDM 16QAM	1	1	/	22.19	/
100	DFT-s-OFDM 64QAM	1	1	/	20.51	/
100	DFT-s-OFDM 256QAM	1	1	/	18.42	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.24	23.16	23.23
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.36	23.33	23.38
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.24	23.20	23.14

Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.28	23.26	23.17
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.35	23.30	23.28
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	CP-OFDM QPSK	1	1	/	21.80	/
100	CP-OFDM 16QAM	1	1	/	21.36	/
100	CP-OFDM 64QAM	1	1	/	19.52	/
100	CP-OFDM 256QAM	1	1	/	16.68	/

DC_5A_n77 (3450 MHz ~ 3550 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.25	/
100		1	136	/	22.96	/
100		1	271	/	22.71	/
100		135	1	/	22.46	/
100		135	67	/	22.35	/
100		135	136	/	22.44	/
100		270	0	/	22.62	/
100	DFT-s-OFDM QPSK	1	1	/	23.44	/
100		1	136	/	23.12	/
100		1	271	/	23.22	/
100		135	1	/	22.26	/
100		135	67	/	22.21	/
100		135	136	/	22.22	/
100		270	0	/	22.10	/

100	DFT-s-OFDM 16QAM	1	1	/	22.37	/
100	DFT-s-OFDM 64QAM	1	1	/	20.44	/
100	DFT-s-OFDM 256QAM	1	1	/	18.58	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.15	23.15	23.21
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.26	23.32	23.36
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.30	23.31	23.27
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.26	23.26	23.29
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.31	23.30	23.30
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	CP-OFDM QPSK	1	1	/	21.84	/
100	CP-OFDM 16QAM	1	1	/	21.31	/
100	CP-OFDM 64QAM	1	1	/	19.45	/
100	CP-OFDM 256QAM	1	1	/	16.62	/

DC_12A_n77 (3450 MHz ~ 3550 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.21	/
100		1	136	/	22.18	/
100		1	271	/	22.14	/
100		135	1	/	22.40	/
100		135	67	/	22.32	/
100		135	136	/	22.24	/
100		270	0	/	22.40	/
100	DFT-s-OFDM QPSK	1	1	/	23.26	/
100		1	136	/	22.94	/
100		1	271	/	22.61	/
100		135	1	/	22.28	/
100		135	67	/	22.20	/
100		135	136	/	22.27	/
100		270	0	/	22.15	/
100	DFT-s-OFDM 16QAM	1	1	/	22.34	/
100	DFT-s-OFDM 64QAM	1	1	/	21.01	/
100	DFT-s-OFDM 256QAM	1	1	/	18.61	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.15	23.17	23.17
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.18	23.16	23.22
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.21	23.21	23.15

Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.19	23.13	23.09
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.01	23.05	23.01
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	CP-OFDM QPSK	1	1	/	21.84	/
100	CP-OFDM 16QAM	1	1	/	21.28	/
100	CP-OFDM 64QAM	1	1	/	20.03	/
100	CP-OFDM 256QAM	1	1	/	16.64	/

DC_18A_n77 (3450 MHz ~ 3550 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.23	/
100		1	136	/	23.15	/
100		1	271	/	23.10	/
100		135	1	/	22.50	/
100		135	67	/	22.20	/
100		135	136	/	22.46	/
100		270	0	/	22.34	/
100	DFT-s-OFDM QPSK	1	1	/	23.26	/
100		1	136	/	22.95	/
100		1	271	/	22.69	/
100		135	1	/	22.58	/
100		135	67	/	22.36	/
100		135	136	/	22.24	/
100		270	0	/	22.15	/

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100	DFT-s-OFDM 16QAM	1	1	/	22.29	/
100	DFT-s-OFDM 64QAM	1	1	/	20.53	/
100	DFT-s-OFDM 256QAM	1	1	/	18.69	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.11	23.10	23.15
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.18	23.23	23.22
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.20	23.22	23.16
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.23	23.23	23.12
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.21	23.18	23.20
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	CP-OFDM QPSK	1	1	/	21.79	/
100	CP-OFDM 16QAM	1	1	/	21.43	/
100	CP-OFDM 64QAM	1	1	/	20.02	/
100	CP-OFDM 256QAM	1	1	/	16.52	/

DC_66A_n77 (3450 MHz ~ 3550 MHz)						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.29	/
100		1	136	/	23.00	/
100		1	271	/	22.74	/
100		135	1	/	22.40	/
100		135	67	/	22.36	/
100		135	136	/	22.32	/
100		270	0	/	22.65	/
100	DFT-s-OFDM QPSK	1	1	/	23.32	/
100		1	136	/	22.95	/
100		1	271	/	22.68	/
100		135	1	/	22.34	/
100		135	67	/	22.28	/
100		135	136	/	22.26	/
100		270	0	/	22.15	/
100	DFT-s-OFDM 16QAM	1	1	/	22.38	/
100	DFT-s-OFDM 64QAM	1	1	/	21.05	/
100	DFT-s-OFDM 256QAM	1	1	/	18.62	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.23	23.20	23.21
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.10	23.13	23.11
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.27	23.28	23.21

Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.24	23.24	23.14
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.08	23.09	23.02
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	CP-OFDM QPSK	1	1	/	21.82	/
100	CP-OFDM 16QAM	1	1	/	21.38	/
100	CP-OFDM 64QAM	1	1	/	19.45	/
100	CP-OFDM 256QAM	1	1	/	16.68	/

Effective Radiated Power and Effective Isotropic Radiated Power:

n5				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	MiddleCh./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				166800	167300	167800	166800	167300	167800
Frequency (MHz)				834	836.5	839	834	836.5	839
				dBm			W		
20	DFT-s-OFDM PI/2 BPSK	1	1	19.80	19.75	20.10	0.095	0.094	0.102
20		1	39	19.73	19.86	19.84	0.094	0.097	0.096
20		1	77	19.51	19.67	19.74	0.089	0.093	0.094
20		36	1	18.95	18.91	18.93	0.079	0.078	0.078
20		36	18	19.00	19.25	19.10	0.079	0.084	0.081
20		36	36	19.06	19.09	18.96	0.081	0.081	0.079
20		75	0	19.16	18.93	19.10	0.082	0.078	0.081
20	DFT-s-OFDM QPSK	1	1	20.02	20.12	20.01	0.100	0.103	0.100
20		1	39	19.73	19.88	19.94	0.094	0.097	0.099
20		1	77	19.42	19.73	19.82	0.087	0.094	0.096
20		36	1	18.94	19.10	19.06	0.078	0.081	0.081
20		36	18	18.85	18.86	18.92	0.077	0.077	0.078
20		36	36	18.71	18.87	18.92	0.074	0.077	0.078
20		75	0	18.83	18.95	19.03	0.076	0.079	0.080
20	DFT-s-OFDM 16QAM	1	1	19.00	19.14	19.15	0.079	0.082	0.082
20	DFT-s-OFDM 64QAM	1	1	17.50	17.61	17.65	0.056	0.058	0.058
20	DFT-s-OFDM 256QAM	1	1	15.42	15.62	15.47	0.035	0.036	0.035
Channel				166300	167300	168300	166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5	831.5	836.5	841.5
15	DFT-s-OFDM PI/2 BPSK	1	1	19.82	19.98	19.86	0.096	0.100	0.097
Channel				165800	167300	168800	165800	167300	168800
Frequency (MHz)				829	836.5	844	829	836.5	844
10	DFT-s-OFDM PI/2 BPSK	1	1	19.97	19.89	19.96	0.099	0.097	0.099
Channel				165300	167300	169300	165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5	826.5	836.5	846.5

5	DFT-s-OFDM PI/2 BPSK	1	1	20.01	20.00	19.91	0.100	0.100	0.098
Channel				166800	167300	167800	166800	167300	167800
Frequency (MHz)				834	836.5	839	834	836.5	839
20	CP-OFDM QPSK	1	1	18.68	18.63	18.74	0.074	0.073	0.075
20	CP-OFDM 16QAM	1	1	18.18	18.13	18.30	0.066	0.065	0.068
20	CP-OFDM 64QAM	1	1	16.92	16.92	17.02	0.049	0.049	0.050
20	CP-OFDM 256QAM	1	1	13.72	13.76	13.71	0.024	0.024	0.023

n41				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				509202	518598	528000	509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640.00	2546.01	2592.99	2640.00
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	24.52	24.49	24.62	0.283	0.281	0.290
100		1	136	24.58	24.66	24.73	0.287	0.292	0.297
100		1	271	23.63	23.82	23.93	0.231	0.241	0.247
100		135	1	23.30	23.31	23.45	0.214	0.214	0.221
100		135	67	23.59	23.65	23.53	0.229	0.232	0.225
100		135	136	23.41	23.65	23.66	0.219	0.232	0.232
100		270	0	23.37	23.45	23.48	0.217	0.221	0.223
100	DFT-s-OFDM QPSK	1	1	24.77	24.93	24.81	0.300	0.311	0.303
100		1	136	24.57	24.67	24.71	0.286	0.293	0.296
100		1	271	23.61	23.75	23.79	0.230	0.237	0.239
100		135	1	23.95	24.05	23.93	0.248	0.254	0.247
100		135	67	23.66	23.74	23.76	0.232	0.237	0.238
100		135	136	22.92	23.08	23.10	0.196	0.203	0.204
100		270	0	22.87	22.95	22.99	0.194	0.197	0.199
100	DFT-s-OFDM 16QAM	1	1	23.11	23.50	23.55	0.205	0.224	0.226
100	DFT-s-OFDM 64QAM	1	1	21.96	21.92	21.84	0.157	0.156	0.153
100	DFT-s-OFDM 256QAM	1	1	19.72	19.74	19.78	0.094	0.094	0.095
Channel				508200	518598	528996	508200	518598	528996
Frequency (MHz)				2541	2592.99	2644.98	2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	24.33	24.46	24.31	0.271	0.279	0.270
Channel				507204	518598	529998	507204	518598	529998

Frequency (MHz)				2536.02	2592.99	2649.99	2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	24.32	24.27	24.27	0.270	0.267	0.267
Channel				505200	518598	531996	505200	518598	531996
Frequency (MHz)				2526.00	2592.99	2659.98	2526.00	2592.99	2659.98
60	DFT-s-OFDM QPSK	1	1	24.37	24.36	23.90	0.274	0.273	0.245
Channel				504204	518598	532998	504204	518598	532998
Frequency (MHz)				2521.02	2592.99	2664.99	2521.02	2592.99	2664.99
50	DFT-s-OFDM QPSK	1	1	20.81	24.47	24.61	0.121	0.280	0.289
Channel				503202	518598	534000	503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670.00	2516.01	2592.99	2670.00
40	DFT-s-OFDM QPSK	1	1	24.21	24.64	24.69	0.264	0.291	0.294
Channel				502200	518598	534996	502200	518598	534996
Frequency (MHz)				2511.00	2592.99	2674.98	2511.00	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	24.50	24.59	23.80	0.282	0.288	0.240
Channel				501204	518598	535998	501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99	2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	24.35	24.69	24.71	0.272	0.294	0.296
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
100	CP-OFDM QPSK	1	1	23.02	22.86	22.73	0.200	0.193	0.187
100	CP-OFDM 16QAM	1	1	21.97	22.41	22.42	0.157	0.174	0.175
100	CP-OFDM 64QAM	1	1	20.78	20.79	20.80	0.120	0.120	0.120
100	CP-OFDM 256QAM	1	1	17.72	17.61	17.64	0.059	0.058	0.058

n66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				344000	349000	354000	344000	349000	354000
Frequency (MHz)				1720	1745	1770	1720	1745	1770
				dBm			W		
20	DFT-s-OFDM PI/2 BPSK	1	1	21.83	21.81	21.66	0.152	0.152	0.147
20		1	39	21.72	21.71	21.26	0.149	0.148	0.134
20		1	77	21.84	21.82	21.71	0.153	0.152	0.148
20		36	1	21.08	21.10	20.95	0.128	0.129	0.124
20		36	18	21.00	21.02	20.80	0.126	0.126	0.120

20		36	36	20.87	20.94	20.86	0.122	0.124	0.122
20		75	0	21.29	21.27	21.14	0.135	0.134	0.130
20	DFT-s-OFDM QPSK	1	1	21.70	21.89	21.75	0.148	0.155	0.150
20		1	39	21.66	21.48	21.66	0.147	0.141	0.147
20		1	77	21.65	21.66	21.78	0.146	0.147	0.151
20		36	1	21.03	21.07	20.95	0.127	0.128	0.124
20		36	18	21.02	21.08	20.97	0.126	0.128	0.125
20		36	36	20.95	20.96	20.88	0.124	0.125	0.122
20		75	0	20.84	20.70	20.68	0.121	0.117	0.117
20	DFT-s-OFDM 16QAM	1	1	20.91	20.89	20.74	0.123	0.123	0.119
20	DFT-s-OFDM 64QAM	1	1	19.59	19.58	19.51	0.091	0.091	0.089
20	DFT-s-OFDM 256QAM	1	1	17.70	17.60	17.50	0.059	0.058	0.056
Channel				343500	349000	354500	343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5	1717.5	1745	1772.5
15	DFT-s-OFDM PI/2 BPSK	1	1	21.83	21.76	21.64	0.152	0.150	0.146
Channel				343000	349000	355000	343000	349000	355000
Frequency (MHz)				1715	1745	1775	1715	1745	1775
10	DFT-s-OFDM PI/2 BPSK	1	1	21.80	21.69	21.68	0.151	0.148	0.147
Channel				342500	349000	355500	342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5	1712.5	1745	1777.5
5	DFT-s-OFDM PI/2 BPSK	1	1	21.86	21.76	20.71	0.153	0.150	0.118
Channel				344000	349000	354000	344000	349000	354000
Frequency (MHz)				1720	1745	1770	1720	1745	1770
20	CP-OFDM QPSK	1	1	20.63	20.60	20.62	0.116	0.115	0.115
20	CP-OFDM 16QAM	1	1	20.12	20.10	20.04	0.103	0.102	0.101
20	CP-OFDM 64QAM	1	1	18.91	18.91	18.75	0.078	0.078	0.075
20	CP-OFDM 256QAM	1	1	15.28	15.36	15.00	0.034	0.034	0.032

n77（3700-3980MHz）				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	22.45	22.24	22.39	0.176	0.167	0.173
100		1	136	22.52	22.31	22.23	0.179	0.170	0.167
100		1	271	22.54	22.09	22.32	0.179	0.162	0.171
100		135	1	21.68	21.63	21.65	0.147	0.146	0.146
100		135	67	21.80	22.05	22.00	0.151	0.160	0.158
100		135	136	21.72	21.48	21.46	0.149	0.141	0.140
100		270	0	21.66	21.52	21.53	0.147	0.142	0.142
100	DFT-s-OFDM QPSK	1	1	22.71	22.84	22.72	0.187	0.192	0.187
100		1	136	22.38	22.26	22.20	0.173	0.168	0.166
100		1	271	22.46	22.05	22.27	0.176	0.160	0.169
100		135	1	22.08	22.14	22.12	0.161	0.164	0.163
100		135	67	21.96	22.07	22.02	0.157	0.161	0.159
100		135	136	21.82	21.59	21.60	0.152	0.144	0.145
100		270	0	21.75	21.63	21.64	0.150	0.146	0.146
100	DFT-s-OFDM 16QAM	1	1	21.19	21.15	21.10	0.132	0.130	0.129
100	DFT-s-OFDM 64QAM	1	1	19.71	19.44	19.75	0.094	0.088	0.094
100	DFT-s-OFDM 256QAM	1	1	17.47	17.39	17.36	0.056	0.055	0.054
Channel				649334	656000	662666	649334	656000	662666
Frequency (MHz)				3740	3840	3940	3740	3840	3940
80	DFT-s-OFDM QPSK	1	1	22.49	22.42	22.42	0.177	0.175	0.175
Channel				648668	656000	663332	648668	656000	663332
Frequency (MHz)				3730.005	3840	3949.995	3730.005	3840	3949.995
60	DFT-s-OFDM QPSK	1	1	22.55	22.56	22.36	0.180	0.180	0.172
Channel				648000	656000	664000	648000	656000	664000
Frequency (MHz)				3720	3840	3960	3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	22.18	22.44	21.98	0.165	0.175	0.158
Channel				647668	656000	664332	647668	656000	664332
Frequency (MHz)				3715.005	3840	3965	3715.005	3840	3965
30	DFT-s-OFDM QPSK	1	1	22.73	22.77	22.60	0.187	0.189	0.182
Channel				647334	656000	664666	647334	656000	664666
Frequency (MHz)				3710.0	3840	3969.9	3710.0	3840	3969.9

				1		9	1		9
20	DFT-s-OFDM QPSK	1	1	22.74	22.63	22.54	0.188	0.183	0.179
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
100	CP-OFDM QPSK	1	1	20.69	20.65	20.65	0.117	0.116	0.116
100	CP-OFDM 16QAM	1	1	19.96	20.04	20.02	0.099	0.101	0.100
100	CP-OFDM 64QAM	1	1	18.66	18.62	18.54	0.073	0.073	0.071
100	CP-OFDM 256QAM	1	1	15.40	15.45	15.55	0.035	0.035	0.036

n77（3450-3550MHz）				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	MiddleCh. / Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				/	633334	/	/	633334	/
Frequency (MHz)				/	3500.01	/	/	3500.01	/
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	/	22.65	/	/	0.184	/
100		1	136	/	22.43	/	/	0.175	/
100		1	271	/	22.22	/	/	0.167	/
100		135	1	/	21.83	/	/	0.152	/
100		135	67	/	21.71	/	/	0.148	/
100		135	136	/	21.80	/	/	0.151	/
100		270	0	/	21.96	/	/	0.157	/
100	DFT-s-OFDM QPSK	1	1	/	22.71	/	/	0.187	/
100		1	136	/	22.68	/	/	0.185	/
100		1	271	/	22.66	/	/	0.185	/
100		135	1	/	22.05	/	/	0.160	/
100		135	67	/	21.92	/	/	0.156	/
100		135	136	/	21.88	/	/	0.154	/
100		270	0	/	21.97	/	/	0.157	/
100	DFT-s-OFDM 16QAM	1	1	/	21.84	/	/	0.153	/
100	DFT-s-OFDM 64QAM	1	1	/	20.40	/	/	0.110	/
100	DFT-s-OFDM 256QAM	1	1	/	17.99	/	/	0.063	/
Channel				632668	633334	634000	632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510	3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	22.61	22.68	22.69	0.182	0.185	0.186
Channel				632000	633334	634666	632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99	3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	22.33	22.38	22.17	0.171	0.173	0.165
Channel				631334	633334	635332	631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98	3470.01	3500.01	3529.98

40	DFT-s-OFDM QPSK	1	1	22.54	22.61	22.53	0.179	0.182	0.179
Channel				631000	633334	635666	631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99	3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	21.94	22.38	22.56	0.156	0.173	0.180
Channel				630668	633334	636000	630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540	3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	22.37	22.43	22.37	0.173	0.175	0.173
Channel				/	633334	/	/	633334	/
Frequency (MHz)				/	3500.01	/	/	3500.01	/
100	CP-OFDM QPSK	1	1	/	21.26	/	/	0.134	/
100	CP-OFDM 16QAM	1	1	/	20.79	/	/	0.120	/
100	CP-OFDM 64QAM	1	1	/	19.18	/	/	0.083	/
100	CP-OFDM 256QAM	1	1	/	16.13	/	/	0.041	/

DC_2A_n41				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				509202	518598	528000	509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640.00	2546.01	2592.99	2640.00
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	23.40	23.29	23.63	0.219	0.213	0.231
100		1	136	23.48	23.67	23.07	0.223	0.233	0.203
100		1	271	23.41	23.32	23.33	0.219	0.215	0.215
100		135	1	22.59	22.46	22.29	0.182	0.176	0.169
100		135	67	22.63	22.64	22.35	0.183	0.184	0.172
100		135	136	21.86	21.83	22.38	0.153	0.152	0.173
100		270	0	22.66	22.67	22.38	0.185	0.185	0.173
100	DFT-s-OFDM QPSK	1	1	23.64	23.78	23.61	0.231	0.239	0.230
100		1	136	23.23	23.24	23.35	0.210	0.211	0.216
100		1	271	23.44	23.46	23.41	0.221	0.222	0.219
100		135	1	22.58	22.60	22.54	0.181	0.182	0.179
100		135	67	22.44	22.49	22.37	0.175	0.177	0.173
100		135	136	21.77	21.85	22.35	0.150	0.153	0.172
100		270	0	22.56	22.61	22.40	0.180	0.182	0.174
100	DFT-s-OFDM 16QAM	1	1	22.66	22.72	22.65	0.185	0.187	0.184
100	DFT-s-OFDM 64QAM	1	1	21.66	21.91	21.73	0.147	0.155	0.149
100	DFT-s-OFDM 256QAM	1	1	19.51	19.54	19.44	0.089	0.090	0.088
Channel				508200	518598	528996	508200	518598	528996
Frequency (MHz)				2541	2592.99	2644.98	2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	23.37	23.32	23.60	0.217	0.215	0.229
Channel				507204	518598	529998	507204	518598	529998
Frequency (MHz)				2536.02	2592.99	2649.99	2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	23.56	23.52	23.35	0.227	0.225	0.216
Channel				505200	518598	531996	505200	518598	531996
Frequency (MHz)				2526.00	2592.99	2659.98	2526.00	2592.99	2659.98
60	DFT-s-OFDM QPSK	1	1	23.30	23.63	23.60	0.214	0.231	0.229
Channel				504204	518598	532998	504204	518598	532998
Frequency (MHz)				2521.02	2592.99	2664.99	2521.02	2592.99	2664.99
50	DFT-s-OFDM QPSK	1	1	23.62	22.69	23.60	0.230	0.186	0.229
Channel				503202	518598	534000	503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670.00	2516.01	2592.99	2670.00

40	DFT-s-OFDM QPSK	1	1	23.57	23.08	22.84	0.228	0.203	0.192
Channel				502200	518598	534996	502200	518598	534996
Frequency (MHz)				2511.00	2592.99	2674.98	2511.00	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	23.40	23.67	23.46	0.219	0.233	0.222
Channel				501204	518598	535998	501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99	2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	23.64	23.49	23.49	0.231	0.223	0.223
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
100	CP-OFDM QPSK	1	1	22.43	22.63	22.77	0.175	0.183	0.189
100	CP-OFDM 16QAM	1	1	21.94	22.12	22.28	0.156	0.163	0.169
100	CP-OFDM 64QAM	1	1	20.98	20.77	20.79	0.125	0.119	0.120
100	CP-OFDM 256QAM	1	1	17.77	17.50	17.49	0.060	0.056	0.056

DC_66A_n41				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				509202	518598	528000	509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640.00	2546.01	2592.99	2640.00
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	23.63	23.54	23.59	0.231	0.226	0.229
100		1	136	23.58	23.70	23.58	0.228	0.234	0.228
100		1	271	23.66	22.84	23.25	0.232	0.192	0.211
100		135	1	23.01	22.92	22.97	0.200	0.196	0.198
100		135	67	22.96	23.08	22.96	0.198	0.203	0.198
100		135	136	23.04	22.22	22.63	0.201	0.167	0.183
100		270	0	23.00	23.07	22.94	0.200	0.203	0.197
100	DFT-s-OFDM QPSK	1	1	23.71	23.85	23.75	0.235	0.243	0.237
100		1	136	23.16	23.28	23.22	0.207	0.213	0.210
100		1	271	22.94	23.05	22.72	0.197	0.202	0.187
100		135	1	23.05	23.11	23.04	0.202	0.205	0.201
100		135	67	22.99	22.96	22.98	0.199	0.198	0.199
100		135	136	22.88	23.00	22.97	0.194	0.200	0.198
100		270	0	22.93	22.96	22.95	0.196	0.198	0.197
100	DFT-s-OFDM 16QAM	1	1	23.00	23.37	23.32	0.200	0.217	0.215
100	DFT-s-OFDM 64QAM	1	1	21.63	22.17	22.11	0.146	0.165	0.163
100	DFT-s-OFDM 256QAM	1	1	19.73	19.73	19.75	0.094	0.094	0.094
Channel				508200	518598	528996	508200	518598	528996
Frequency (MHz)				2541	2592.99	2644.98	2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	23.36	23.63	23.19	0.217	0.231	0.208
Channel				507204	518598	529998	507204	518598	529998
Frequency (MHz)				2536.02	2592.99	2649.99	2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	23.47	23.67	23.32	0.222	0.233	0.215
Channel				505200	518598	531996	505200	518598	531996
Frequency (MHz)				2526.00	2592.99	2659.98	2526.00	2592.99	2659.98
60	DFT-s-OFDM QPSK	1	1	23.29	23.55	23.69	0.213	0.226	0.234
Channel				504204	518598	532998	504204	518598	532998
Frequency (MHz)				2521.02	2592.99	2664.99	2521.02	2592.99	2664.99
50	DFT-s-OFDM QPSK	1	1	23.48	23.63	22.88	0.223	0.231	0.194
Channel				503202	518598	534000	503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670.00	2516.01	2592.99	2670.00

40	DFT-s-OFDM QPSK	1	1	23.21	23.23	23.32	0.209	0.210	0.215
Channel				502200	518598	534996	502200	518598	534996
Frequency (MHz)				2511.00	2592.99	2674.98	2511.00	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	23.35	23.66	23.37	0.216	0.232	0.217
Channel				501204	518598	535998	501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99	2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	23.62	23.52	23.53	0.230	0.225	0.225
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
100	CP-OFDM QPSK	1	1	22.68	23.00	22.95	0.185	0.200	0.197
100	CP-OFDM 16QAM	1	1	21.86	21.83	21.92	0.153	0.152	0.156
100	CP-OFDM 64QAM	1	1	21.11	21.10	20.92	0.129	0.129	0.124
100	CP-OFDM 256QAM	1	1	17.79	17.74	17.63	0.060	0.059	0.058

DC_2A_n77（3700-3980MHz）				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	22.55	22.43	22.56	0.180	0.175	0.180
100		1	136	22.62	22.53	22.48	0.183	0.179	0.177
100		1	271	22.45	22.25	22.55	0.176	0.168	0.180
100		135	1	21.83	21.70	21.49	0.152	0.148	0.141
100		135	67	22.20	22.09	22.03	0.166	0.162	0.160
100		135	136	21.76	21.48	21.60	0.150	0.141	0.145
100		270	0	21.76	21.61	21.66	0.150	0.145	0.147
100	DFT-s-OFDM QPSK	1	1	22.56	22.74	22.54	0.180	0.188	0.179
100		1	136	22.57	22.49	22.46	0.181	0.177	0.176
100		1	271	22.66	22.25	22.53	0.185	0.168	0.179
100		135	1	21.97	22.14	22.11	0.157	0.164	0.163
100		135	67	21.98	21.88	21.86	0.158	0.154	0.153
100		135	136	21.22	20.96	21.07	0.132	0.125	0.128
100		270	0	21.27	21.10	21.08	0.134	0.129	0.128
100	DFT-s-OFDM 16QAM	1	1	21.28	21.10	21.35	0.134	0.129	0.136
100	DFT-s-OFDM 64QAM	1	1	19.79	19.83	19.79	0.095	0.096	0.095
100	DFT-s-OFDM 256QAM	1	1	17.47	17.41	17.53	0.056	0.055	0.057
Channel				649334	656000	662666	649334	656000	662666
Frequency (MHz)				3740	3840	3940	3740	3840	3940
80	DFT-s-OFDM QPSK	1	1	22.55	22.46	22.47	0.180	0.176	0.177
Channel				648668	656000	663332	648668	656000	663332
Frequency (MHz)				3730.005	3840	3949.995	3730.005	3840	3949.995
60	DFT-s-OFDM QPSK	1	1	22.60	22.58	22.49	0.182	0.181	0.177
Channel				648000	656000	664000	648000	656000	664000
Frequency (MHz)				3720	3840	3960	3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	22.34	22.67	22.46	0.171	0.185	0.176
Channel				647668	656000	664332	647668	656000	664332
Frequency (MHz)				3715.005	3840	3965	3715.005	3840	3965
30	DFT-s-OFDM QPSK	1	1	22.24	22.51	22.42	0.167	0.178	0.175
Channel				647334	656000	664666	647334	656000	664666
Frequency (MHz)				3710.0	3840	3969.9	3710.0	3840	3969.9

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20	DFT-s-OFDM QPSK	1	1	22.56	22.52	22.44	0.180	0.179	0.175
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
100	CP-OFDM QPSK	1	1	20.77	20.66	20.81	0.119	0.116	0.121
100	CP-OFDM 16QAM	1	1	20.03	20.02	19.96	0.101	0.100	0.099
100	CP-OFDM 64QAM	1	1	18.69	18.78	18.86	0.074	0.076	0.077
100	CP-OFDM 256QAM	1	1	15.51	15.47	15.53	0.036	0.035	0.036

DC_5A_n77（3700-3980MHz）				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	22.42	22.28	22.38	0.175	0.169	0.173
100		1	136	22.44	22.33	22.29	0.175	0.171	0.169
100		1	271	22.33	22.13	22.32	0.171	0.163	0.171
100		135	1	21.74	21.68	21.49	0.149	0.147	0.141
100		135	67	21.99	22.09	22.06	0.158	0.162	0.161
100		135	136	21.77	21.51	21.62	0.150	0.142	0.145
100		270	0	21.81	21.68	21.65	0.152	0.147	0.146
100	DFT-s-OFDM QPSK	1	1	22.46	22.51	22.48	0.176	0.178	0.177
100		1	136	22.41	22.31	22.23	0.174	0.170	0.167
100		1	271	22.50	22.10	22.39	0.178	0.162	0.173
100		135	1	22.24	22.25	22.22	0.167	0.168	0.167
100		135	67	22.20	22.08	22.06	0.166	0.161	0.161
100		135	136	21.24	20.99	21.13	0.133	0.126	0.130
100		270	0	21.31	21.11	21.12	0.135	0.129	0.129
100	DFT-s-OFDM 16QAM	1	1	21.24	21.14	21.25	0.133	0.130	0.133
100	DFT-s-OFDM 64QAM	1	1	19.79	19.79	19.93	0.095	0.095	0.098
100	DFT-s-OFDM 256QAM	1	1	17.60	17.38	17.57	0.058	0.055	0.057
Channel				649334	656000	662666	649334	656000	662666
Frequency (MHz)				3740	3840	3940	3740	3840	3940
80	DFT-s-OFDM QPSK	1	1	22.58	22.47	22.47	0.181	0.177	0.177
Channel				648668	656000	663332	648668	656000	663332
Frequency (MHz)				3730.005	3840	3949.995	3730.005	3840	3949.995
60	DFT-s-OFDM QPSK	1	1	22.60	22.62	22.44	0.182	0.183	0.175
Channel				648000	656000	664000	648000	656000	664000
Frequency (MHz)				3720	3840	3960	3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	22.57	22.57	22.54	0.181	0.181	0.179
Channel				647668	656000	664332	647668	656000	664332
Frequency (MHz)				3715.005	3840	3965	3715.005	3840	3965
30	DFT-s-OFDM QPSK	1	1	22.45	22.50	22.47	0.176	0.178	0.177
Channel				647334	656000	664666	647334	656000	664666

Frequency (MHz)				3710.01	3840	3969.99	3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	22.37	22.31	22.31	0.173	0.170	0.170
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
100	CP-OFDM QPSK	1	1	20.77	20.68	20.79	0.119	0.117	0.120
100	CP-OFDM 16QAM	1	1	20.33	20.18	20.29	0.108	0.104	0.107
100	CP-OFDM 64QAM	1	1	18.95	18.82	18.92	0.079	0.076	0.078
100	CP-OFDM 256QAM	1	1	15.54	15.52	15.58	0.036	0.036	0.036

DC_12A_n77（3700-3980MHz）				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	22.48	22.26	22.45	0.177	0.168	0.176
100		1	136	22.54	22.42	22.34	0.179	0.175	0.171
100		1	271	22.51	22.20	22.37	0.178	0.166	0.173
100		135	1	21.77	21.63	21.70	0.150	0.146	0.148
100		135	67	22.13	22.10	22.06	0.163	0.162	0.161
100		135	136	21.81	21.53	21.66	0.152	0.142	0.147
100		270	0	21.82	21.65	21.67	0.152	0.146	0.147
100	DFT-s-OFDM QPSK	1	1	22.46	22.60	22.40	0.176	0.182	0.174
100		1	136	22.46	22.38	22.28	0.176	0.173	0.169
100		1	271	22.46	22.15	22.43	0.176	0.164	0.175
100		135	1	22.12	22.13	22.02	0.163	0.163	0.159
100		135	67	22.03	22.01	22.06	0.160	0.159	0.161
100		135	136	21.26	21.01	21.10	0.134	0.126	0.129
100		270	0	21.34	21.16	21.15	0.136	0.131	0.130
100	DFT-s-OFDM 16QAM	1	1	21.32	21.15	21.37	0.136	0.130	0.137
100	DFT-s-OFDM 64QAM	1	1	19.90	19.71	19.84	0.098	0.094	0.096
100	DFT-s-OFDM 256QAM	1	1	17.52	17.38	17.58	0.056	0.055	0.057
Channel				649334	656000	662666	649334	656000	662666
Frequency (MHz)				3740	3840	3940	3740	3840	3940
80	DFT-s-OFDM QPSK	1	1	22.50	22.43	22.39	0.178	0.175	0.173
Channel				648668	656000	663332	648668	656000	663332
Frequency (MHz)				3730.005	3840	3949.995	3730.005	3840	3949.995
60	DFT-s-OFDM QPSK	1	1	22.55	22.51	22.44	0.180	0.178	0.175
Channel				648000	656000	664000	648000	656000	664000
Frequency (MHz)				3720	3840	3960	3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	22.55	22.42	22.22	0.180	0.175	0.167
Channel				647668	656000	664332	647668	656000	664332
Frequency (MHz)				3715.005	3840	3965	3715.005	3840	3965
30	DFT-s-OFDM QPSK	1	1	22.47	22.49	22.36	0.177	0.177	0.172
Channel				647334	656000	664666	647334	656000	664666

Frequency (MHz)				3710.01	3840	3969.99	3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	22.51	22.43	22.42	0.178	0.175	0.175
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
100	CP-OFDM QPSK	1	1	20.78	20.63	20.78	0.120	0.116	0.120
100	CP-OFDM 16QAM	1	1	20.27	20.13	20.29	0.106	0.103	0.107
100	CP-OFDM 64QAM	1	1	18.72	18.81	18.90	0.074	0.076	0.078
100	CP-OFDM 256QAM	1	1	15.43	15.53	15.58	0.035	0.036	0.036

DC_18A_n77（3700-3980MHz）				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	22.52	22.28	22.42	0.179	0.169	0.175
100		1	136	22.52	22.38	22.32	0.179	0.173	0.171
100		1	271	22.33	22.17	22.35	0.171	0.165	0.172
100		135	1	21.77	21.80	21.71	0.150	0.151	0.148
100		135	67	22.24	22.10	22.08	0.167	0.162	0.161
100		135	136	21.80	21.50	21.64	0.151	0.141	0.146
100		270	0	21.82	21.65	21.69	0.152	0.146	0.148
100	DFT-s-OFDM QPSK	1	1	22.76	22.79	22.75	0.189	0.190	0.188
100		1	136	22.66	22.56	22.46	0.185	0.180	0.176
100		1	271	22.76	22.36	22.57	0.189	0.172	0.181
100		135	1	21.98	22.05	22.03	0.158	0.160	0.160
100		135	67	21.95	21.82	21.87	0.157	0.152	0.154
100		135	136	21.92	21.83	21.70	0.156	0.152	0.148
100		270	0	21.74	21.76	21.73	0.149	0.150	0.149
100	DFT-s-OFDM 16QAM	1	1	21.11	21.05	21.16	0.129	0.127	0.131
100	DFT-s-OFDM 64QAM	1	1	19.89	19.65	19.86	0.097	0.092	0.097
100	DFT-s-OFDM 256QAM	1	1	17.51	17.43	17.58	0.056	0.055	0.057
Channel				649334	656000	662666	649334	656000	662666
Frequency (MHz)				3740	3840	3940	3740	3840	3940
80	DFT-s-OFDM QPSK	1	1	22.52	22.28	22.42	0.179	0.169	0.175
Channel				648668	656000	663332	648668	656000	663332
Frequency (MHz)				3730.005	3840	3949.995	3730.005	3840	3949.995
60	DFT-s-OFDM QPSK	1	1	22.63	22.64	22.51	0.183	0.184	0.178
Channel				648000	656000	664000	648000	656000	664000
Frequency (MHz)				3720	3840	3960	3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	22.52	22.38	22.28	0.179	0.173	0.169
Channel				647668	656000	664332	647668	656000	664332
Frequency (MHz)				3715.005	3840	3965	3715.005	3840	3965
30	DFT-s-OFDM QPSK	1	1	22.40	22.29	22.18	0.174	0.169	0.165
Channel				647334	656000	664666	647334	656000	664666

Frequency (MHz)				3710.01	3840	3969.99	3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	22.37	22.27	22.26	0.173	0.169	0.168
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
100	CP-OFDM QPSK	1	1	20.76	20.66	20.80	0.119	0.116	0.120
100	CP-OFDM 16QAM	1	1	20.05	20.04	19.97	0.101	0.101	0.099
100	CP-OFDM 64QAM	1	1	18.90	18.80	18.84	0.078	0.076	0.077
100	CP-OFDM 256QAM	1	1	15.55	15.50	15.65	0.036	0.035	0.037

DC_66A_n77（3700-3980MHz）				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	22.61	22.40	22.54	0.182	0.174	0.179
100		1	136	22.63	22.49	22.46	0.183	0.177	0.176
100		1	271	22.56	22.30	22.51	0.180	0.170	0.178
100		135	1	21.77	21.77	21.77	0.150	0.150	0.150
100		135	67	22.24	22.13	22.06	0.167	0.163	0.161
100		135	136	21.79	21.49	21.61	0.151	0.141	0.145
100		270	0	21.82	21.66	21.69	0.152	0.147	0.148
100	DFT-s-OFDM QPSK	1	1	22.55	22.70	22.52	0.180	0.186	0.179
100		1	136	22.58	22.48	22.40	0.181	0.177	0.174
100		1	271	22.66	22.27	22.48	0.185	0.169	0.177
100		135	1	22.11	22.18	22.02	0.163	0.165	0.159
100		135	67	21.93	21.92	22.05	0.156	0.156	0.160
100		135	136	21.27	21.03	21.13	0.134	0.127	0.130
100		270	0	21.34	21.15	21.15	0.136	0.130	0.130
100	DFT-s-OFDM 16QAM	1	1	21.26	21.13	21.40	0.134	0.130	0.138
100	DFT-s-OFDM 64QAM	1	1	19.79	19.70	19.83	0.095	0.093	0.096
100	DFT-s-OFDM 256QAM	1	1	17.52	17.43	17.55	0.056	0.055	0.057
Channel				649334	656000	662666	649334	656000	662666
Frequency (MHz)				3740	3840	3940	3740	3840	3940
80	DFT-s-OFDM QPSK	1	1	22.57	22.53	22.47	0.181	0.179	0.177
Channel				648668	656000	663332	648668	656000	663332
Frequency (MHz)				3730.005	3840	3949.995	3730.005	3840	3949.995
60	DFT-s-OFDM QPSK	1	1	22.65	22.64	22.02	0.184	0.184	0.159
Channel				648000	656000	664000	648000	656000	664000
Frequency (MHz)				3720	3840	3960	3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	22.60	22.49	22.35	0.182	0.177	0.172
Channel				647668	656000	664332	647668	656000	664332
Frequency (MHz)				3715.005	3840	3965	3715.005	3840	3965
30	DFT-s-OFDM QPSK	1	1	22.66	22.54	22.36	0.185	0.179	0.172
Channel				647334	656000	664666	647334	656000	664666

Frequency (MHz)				3710.01	3840	3969.99	3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	22.61	22.50	22.46	0.182	0.178	0.176
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
100	CP-OFDM QPSK	1	1	20.75	20.68	20.78	0.119	0.117	0.120
100	CP-OFDM 16QAM	1	1	20.09	20.16	20.01	0.102	0.104	0.100
100	CP-OFDM 64QAM	1	1	18.92	18.84	18.88	0.078	0.077	0.077
100	CP-OFDM 256QAM	1	1	15.55	15.53	15.64	0.036	0.036	0.037

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DC_2A_n77（3450-3550MHz）				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				/	633334	/	/	633334	/
Frequency (MHz)				/	3500.01	/	/	3500.01	/
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	/	22.76	/	/	0.189	/
100		1	136	/	22.49	/	/	0.177	/
100		1	271	/	22.22	/	/	0.167	/
100		135	1	/	21.92	/	/	0.156	/
100		135	67	/	21.86	/	/	0.153	/
100		135	136	/	21.62	/	/	0.145	/
100		270	0	/	22.14	/	/	0.164	/
100	DFT-s-OFDM QPSK	1	1	/	22.95	/	/	0.197	/
100		1	136	/	22.42	/	/	0.175	/
100		1	271	/	22.19	/	/	0.166	/
100		135	1	/	22.01	/	/	0.159	/
100		135	67	/	21.92	/	/	0.156	/
100		135	136	/	21.78	/	/	0.151	/
100		270	0	/	21.66	/	/	0.147	/
100	DFT-s-OFDM 16QAM	1	1	/	21.69	/	/	0.148	/
100	DFT-s-OFDM 64QAM	1	1	/	20.01	/	/	0.100	/
100	DFT-s-OFDM 256QAM	1	1	/	17.92	/	/	0.062	/
Channel				632668	633334	634000	632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510	3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	22.74	22.66	22.73	0.188	0.185	0.187
Channel				632000	633334	634666	632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99	3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	22.86	22.83	22.88	0.193	0.192	0.194
Channel				631334	633334	635332	631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98	3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	22.74	22.70	22.64	0.188	0.186	0.184
Channel				631000	633334	635666	631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99	3465	3500.01	3534.99

30	DFT-s-OFDM QPSK	1	1	22.78	22.76	22.67	0.190	0.189	0.185
Channel				630668	633334	636000	630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540	3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	22.85	22.80	22.78	0.193	0.191	0.190
Channel				/	633334	/	/	633334	/
Frequency (MHz)				/	3500.01	/	/	3500.01	/
100	CP-OFDM QPSK	1	1	/	21.30	/	/	0.135	/
100	CP-OFDM 16QAM	1	1	/	20.86	/	/	0.122	/
100	CP-OFDM 64QAM	1	1	/	19.02	/	/	0.080	/
100	CP-OFDM 256QAM	1	1	/	16.18	/	/	0.041	/

DC_5A_n77（3450-3550MHz）				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				/	633334	/	/	633334	/
Frequency (MHz)				/	3500.01	/	/	3500.01	/
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	/	22.75	/	/	0.188	/
100		1	136	/	22.46	/	/	0.176	/
100		1	271	/	22.21	/	/	0.166	/
100		135	1	/	21.96	/	/	0.157	/
100		135	67	/	21.85	/	/	0.153	/
100		135	136	/	21.94	/	/	0.156	/
100		270	0	/	22.12	/	/	0.163	/
100	DFT-s-OFDM QPSK	1	1	/	22.94	/	/	0.197	/
100		1	136	/	22.62	/	/	0.183	/
100		1	271	/	22.72	/	/	0.187	/
100		135	1	/	21.76	/	/	0.150	/
100		135	67	/	21.71	/	/	0.148	/
100		135	136	/	21.72	/	/	0.149	/
100		270	0	/	21.60	/	/	0.145	/
100	DFT-s-OFDM 16QAM	1	1	/	21.87	/	/	0.154	/
100	DFT-s-OFDM 64QAM	1	1	/	19.94	/	/	0.099	/
100	DFT-s-OFDM 256QAM	1	1	/	18.08	/	/	0.064	/
Channel				632668	633334	634000	632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510	3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	22.65	22.65	22.71	0.184	0.184	0.187
Channel				632000	633334	634666	632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99	3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	22.76	22.82	22.86	0.189	0.191	0.193
Channel				631334	633334	635332	631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98	3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	22.80	22.81	22.77	0.191	0.191	0.189
Channel				631000	633334	635666	631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99	3465	3500.01	3534.99

30	DFT-s-OFDM QPSK	1	1	22.76	22.76	22.79	0.189	0.189	0.190
Channel				630668	633334	636000	630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540	3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	22.81	22.80	22.80	0.191	0.191	0.191
Channel				/	633334	/	/	633334	/
Frequency (MHz)				/	3500.01	/	/	3500.01	/
100	CP-OFDM QPSK	1	1	/	21.34	/	/	0.136	/
100	CP-OFDM 16QAM	1	1	/	20.81	/	/	0.121	/
100	CP-OFDM 64QAM	1	1	/	18.95	/	/	0.079	/
100	CP-OFDM 256QAM	1	1	/	16.12	/	/	0.041	/

DC_12A_n77（3450-3550MHz）				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				/	633334	/	/	633334	/
Frequency (MHz)				/	3500.01	/	/	3500.01	/
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	/	22.71	/	/	0.187	/
100		1	136	/	21.68	/	/	0.147	/
100		1	271	/	21.64	/	/	0.146	/
100		135	1	/	21.90	/	/	0.155	/
100		135	67	/	21.82	/	/	0.152	/
100		135	136	/	21.74	/	/	0.149	/
100		270	0	/	21.90	/	/	0.155	/
100	DFT-s-OFDM QPSK	1	1	/	22.76	/	/	0.189	/
100		1	136	/	22.44	/	/	0.175	/
100		1	271	/	22.11	/	/	0.163	/
100		135	1	/	21.78	/	/	0.151	/
100		135	67	/	21.70	/	/	0.148	/
100		135	136	/	21.77	/	/	0.150	/
100		270	0	/	21.65	/	/	0.146	/
100	DFT-s-OFDM 16QAM	1	1	/	21.84	/	/	0.153	/
100	DFT-s-OFDM 64QAM	1	1	/	20.51	/	/	0.112	/
100	DFT-s-OFDM 256QAM	1	1	/	18.11	/	/	0.065	/
Channel				632668	633334	634000	632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510	3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	22.65	22.67	22.67	0.184	0.185	0.185
Channel				632000	633334	634666	632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99	3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	22.68	22.66	22.72	0.185	0.185	0.187
Channel				631334	633334	635332	631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98	3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	22.71	22.71	22.65	0.187	0.187	0.184
Channel				631000	633334	635666	631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99	3465	3500.01	3534.99

30	DFT-s-OFDM QPSK	1	1	22.69	22.63	22.59	0.186	0.183	0.182
Channel				630668	633334	636000	630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540	3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	22.51	22.55	22.51	0.178	0.180	0.178
Channel				/	633334	/	/	633334	/
Frequency (MHz)				/	3500.01	/	/	3500.01	/
100	CP-OFDM QPSK	1	1	/	21.34	/	/	0.136	/
100	CP-OFDM 16QAM	1	1	/	20.78	/	/	0.120	/
100	CP-OFDM 64QAM	1	1	/	19.53	/	/	0.090	/
100	CP-OFDM 256QAM	1	1	/	16.14	/	/	0.041	/

DC_18A_n77（3450-3550MHz）				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				/	633334	/	/	633334	/
Frequency (MHz)				/	3500.01	/	/	3500.01	/
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	/	22.73	/	/	0.187	/
100		1	136	/	22.65	/	/	0.184	/
100		1	271	/	22.60	/	/	0.182	/
100		135	1	/	22.00	/	/	0.158	/
100		135	67	/	21.70	/	/	0.148	/
100		135	136	/	21.96	/	/	0.157	/
100		270	0	/	21.84	/	/	0.153	/
100	DFT-s-OFDM QPSK	1	1	/	22.76	/	/	0.189	/
100		1	136	/	22.45	/	/	0.176	/
100		1	271	/	22.19	/	/	0.166	/
100		135	1	/	22.08	/	/	0.161	/
100		135	67	/	21.86	/	/	0.153	/
100		135	136	/	21.74	/	/	0.149	/
100		270	0	/	21.65	/	/	0.146	/
100	DFT-s-OFDM 16QAM	1	1	/	21.79	/	/	0.151	/
100	DFT-s-OFDM 64QAM	1	1	/	20.03	/	/	0.101	/
100	DFT-s-OFDM 256QAM	1	1	/	18.19	/	/	0.066	/
Channel				632668	633334	634000	632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510	3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	22.61	22.60	22.65	0.182	0.182	0.184
Channel				632000	633334	634666	632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99	3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	22.68	22.73	22.72	0.185	0.187	0.187
Channel				631334	633334	635332	631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98	3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	22.70	22.72	22.66	0.186	0.187	0.185
Channel				631000	633334	635666	631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99	3465	3500.01	3534.99

30	DFT-s-OFDM QPSK	1	1	22.73	22.73	22.62	0.187	0.187	0.183
Channel				630668	633334	636000	630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540	3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	22.71	22.68	22.70	0.187	0.185	0.186
Channel				/	633334	/	/	633334	/
Frequency (MHz)				/	3500.01	/	/	3500.01	/
100	CP-OFDM QPSK	1	1	/	21.29	/	/	0.135	/
100	CP-OFDM 16QAM	1	1	/	20.93	/	/	0.124	/
100	CP-OFDM 64QAM	1	1	/	19.52	/	/	0.090	/
100	CP-OFDM 256QAM	1	1	/	16.02	/	/	0.040	/

DC_66A_n77（3450-3550MHz）				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./ Freq.	Middle Ch./ Freq.	High Ch. / Freq.	Low Ch. / EIRP	Middle Ch./ EIRP	High Ch. / EIRP
Channel				/	633334	/	/	633334	/
Frequency (MHz)				/	3500.01	/	/	3500.01	/
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	/	22.79	/	/	0.190	/
100		1	136	/	22.50	/	/	0.178	/
100		1	271	/	22.24	/	/	0.167	/
100		135	1	/	21.90	/	/	0.155	/
100		135	67	/	21.86	/	/	0.153	/
100		135	136	/	21.82	/	/	0.152	/
100		270	0	/	22.15	/	/	0.164	/
100	DFT-s-OFDM QPSK	1	1	/	22.82	/	/	0.191	/
100		1	136	/	22.45	/	/	0.176	/
100		1	271	/	22.18	/	/	0.165	/
100		135	1	/	21.84	/	/	0.153	/
100		135	67	/	21.78	/	/	0.151	/
100		135	136	/	21.76	/	/	0.150	/
100		270	0	/	21.65	/	/	0.146	/
100	DFT-s-OFDM 16QAM	1	1	/	21.88	/	/	0.154	/
100	DFT-s-OFDM 64QAM	1	1	/	20.55	/	/	0.114	/
100	DFT-s-OFDM 256QAM	1	1	/	18.12	/	/	0.065	/
Channel				632668	633334	634000	632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510	3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	22.73	22.70	22.71	0.187	0.186	0.187
Channel				632000	633334	634666	632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99	3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	22.60	22.63	22.61	0.182	0.183	0.182
Channel				631334	633334	635332	631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98	3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	22.77	22.78	22.71	0.189	0.190	0.187
Channel				631000	633334	635666	631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99	3465	3500.01	3534.99

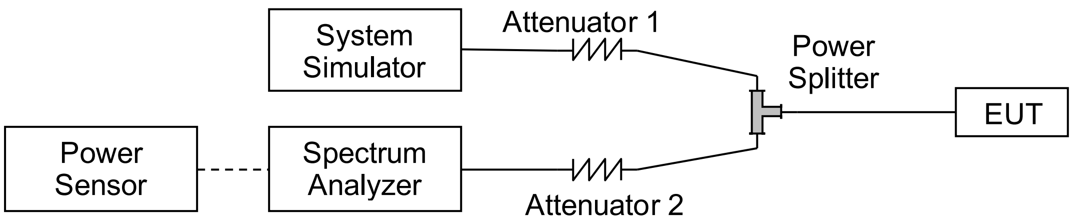
30	DFT-s-OFDM QPSK	1	1	22.74	22.74	22.64	0.188	0.188	0.184
Channel				630668	633334	636000	630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540	3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	22.58	22.59	22.52	0.181	0.182	0.179
Channel				/	633334	/	/	633334	/
Frequency (MHz)				/	3500.01	/	/	3500.01	/
100	CP-OFDM QPSK	1	1	/	21.32	/	/	0.136	/
100	CP-OFDM 16QAM	1	1	/	20.88	/	/	0.122	/
100	CP-OFDM 64QAM	1	1	/	18.95	/	/	0.079	/
100	CP-OFDM 256QAM	1	1	/	16.18	/	/	0.041	/

2.2. Occupied Bandwidth

2.2.1.Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

2.2.2.Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.2.3.Test procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

2.2.4.Test Result

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
n5	15	5	174300	826.5	DFT-s-OFDM PI/2 BPSK	25@0	4.4518	4.625
n5	15	5	174300	826.5	DFT-s-OFDM QPSK	25@0	4.4491	4.602
n5	15	5	174300	826.5	DFT-s-OFDM 16 QAM	25@0	4.4844	4.645
n5	15	5	174300	826.5	DFT-s-OFDM 64 QAM	25@0	4.4664	4.698
n5	15	5	174300	826.5	DFT-s-OFDM 256 QAM	25@0	4.4914	4.596
n5	15	5	174300	826.5	CP-OFDM QPSK	25@0	4.4117	4.561
n5	15	5	174300	826.5	CP-OFDM 16 QAM	25@0	4.4359	4.565
n5	15	5	174300	826.5	CP-OFDM 64 QAM	25@0	4.4608	4.602
n5	15	5	174300	826.5	CP-OFDM 256 QAM	25@0	4.4829	4.586
n5	15	5	176300	836.5	DFT-s-OFDM PI/2 BPSK	25@0	4.4565	4.806
n5	15	5	176300	836.5	DFT-s-OFDM QPSK	25@0	4.4754	4.593
n5	15	5	176300	836.5	DFT-s-OFDM 16 QAM	25@0	4.4061	4.589
n5	15	5	176300	836.5	DFT-s-OFDM 64 QAM	25@0	4.4754	4.633
n5	15	5	176300	836.5	DFT-s-OFDM 256 QAM	25@0	4.4296	4.58
n5	15	5	176300	836.5	CP-OFDM QPSK	25@0	4.4729	4.591
n5	15	5	176300	836.5	CP-OFDM 16 QAM	25@0	4.4946	4.607
n5	15	5	176300	836.5	CP-OFDM 64 QAM	25@0	4.4648	4.593
n5	15	5	176300	836.5	CP-OFDM 256 QAM	25@0	4.3865	4.555
n5	15	5	178300	846.5	DFT-s-OFDM PI/2 BPSK	25@0	4.5041	4.601
n5	15	5	178300	846.5	DFT-s-OFDM QPSK	25@0	4.455	4.615
n5	15	5	178300	846.5	DFT-s-OFDM 16 QAM	25@0	4.484	4.612
n5	15	5	178300	846.5	DFT-s-OFDM 64 QAM	25@0	4.4592	4.636

n5	15	5	178300	846.5	DFT-s-OFDM 256 QAM	25@0	4.5226	4.809
n5	15	5	178300	846.5	CP-OFDM QPSK	25@0	4.4409	4.635
n5	15	5	178300	846.5	CP-OFDM 16 QAM	25@0	4.4538	4.59
n5	15	5	178300	846.5	CP-OFDM 64 QAM	25@0	4.5044	4.621
n5	15	5	178300	846.5	CP-OFDM 256 QAM	25@0	4.4029	4.593
n5	15	10	174800	829.0	DFT-s-OFDM PI/2 BPSK	50@0	9.0136	9.242
n5	15	10	174800	829.0	DFT-s-OFDM QPSK	50@0	8.9419	9.229
n5	15	10	174800	829.0	DFT-s-OFDM 16 QAM	50@0	8.8888	9.15
n5	15	10	174800	829.0	DFT-s-OFDM 64 QAM	50@0	8.9141	10.04
n5	15	10	174800	829.0	DFT-s-OFDM 256 QAM	50@0	8.8433	9.147
n5	15	10	174800	829.0	CP-OFDM QPSK	52@0	9.285	9.594
n5	15	10	174800	829.0	CP-OFDM 16 QAM	52@0	9.3264	9.531
n5	15	10	174800	829.0	CP-OFDM 64 QAM	52@0	9.253	9.564
n5	15	10	174800	829.0	CP-OFDM 256 QAM	52@0	9.3225	9.546
n5	15	10	176300	836.5	DFT-s-OFDM PI/2 BPSK	50@0	8.9444	9.253
n5	15	10	176300	836.5	DFT-s-OFDM QPSK	50@0	8.9802	9.3
n5	15	10	176300	836.5	DFT-s-OFDM 16 QAM	50@0	8.9571	9.525
n5	15	10	176300	836.5	DFT-s-OFDM 64 QAM	50@0	8.8786	9.171
n5	15	10	176300	836.5	DFT-s-OFDM 256 QAM	50@0	9.0357	9.556
n5	15	10	176300	836.5	CP-OFDM QPSK	52@0	9.2986	9.57
n5	15	10	176300	836.5	CP-OFDM 16 QAM	52@0	9.2496	9.578
n5	15	10	176300	836.5	CP-OFDM 64 QAM	52@0	9.2152	9.458
n5	15	10	176300	836.5	CP-OFDM 256 QAM	52@0	9.0987	9.441
n5	15	10	177800	844.0	DFT-s-OFDM PI/2 BPSK	50@0	9.0281	9.234

n5	15	10	177800	844.0	DFT-s-OFDM QPSK	50@0	8.99	9.223
n5	15	10	177800	844.0	DFT-s-OFDM 16 QAM	50@0	8.8573	9.482
n5	15	10	177800	844.0	DFT-s-OFDM 64 QAM	50@0	8.9373	9.185
n5	15	10	177800	844.0	DFT-s-OFDM 256 QAM	50@0	8.9123	9.069
n5	15	10	177800	844.0	CP-OFDM QPSK	52@0	9.1973	9.49
n5	15	10	177800	844.0	CP-OFDM 16 QAM	52@0	9.2604	9.482
n5	15	10	177800	844.0	CP-OFDM 64 QAM	52@0	9.3364	9.651
n5	15	10	177800	844.0	CP-OFDM 256 QAM	52@0	9.2064	9.44
n5	15	15	175300	831.5	DFT-s-OFDM PI/2 BPSK	75@0	13.45	13.87
n5	15	15	175300	831.5	DFT-s-OFDM QPSK	75@0	13.519	13.78
n5	15	15	175300	831.5	DFT-s-OFDM 16 QAM	75@0	13.414	13.76
n5	15	15	175300	831.5	DFT-s-OFDM 64 QAM	75@0	13.479	13.84
n5	15	15	175300	831.5	DFT-s-OFDM 256 QAM	75@0	13.49	13.88
n5	15	15	175300	831.5	CP-OFDM QPSK	79@0	14.144	15.57
n5	15	15	175300	831.5	CP-OFDM 16 QAM	79@0	14.046	14.47
n5	15	15	175300	831.5	CP-OFDM 64 QAM	79@0	14.218	14.59
n5	15	15	175300	831.5	CP-OFDM 256 QAM	79@0	14.112	15.38
n5	15	15	176300	836.5	DFT-s-OFDM PI/2 BPSK	75@0	13.419	14.07
n5	15	15	176300	836.5	DFT-s-OFDM QPSK	75@0	13.289	13.84
n5	15	15	176300	836.5	DFT-s-OFDM 16 QAM	75@0	13.453	13.84
n5	15	15	176300	836.5	DFT-s-OFDM 64 QAM	75@0	13.444	13.79
n5	15	15	176300	836.5	DFT-s-OFDM 256 QAM	75@0	13.325	13.73
n5	15	15	176300	836.5	CP-OFDM QPSK	79@0	14.013	14.76
n5	15	15	176300	836.5	CP-OFDM 16 QAM	79@0	14.204	14.54

n5	15	15	176300	836.5	CP-OFDM 64 QAM	79@0	13.904	14.38
n5	15	15	176300	836.5	CP-OFDM 256 QAM	79@0	14.093	14.62
n5	15	15	177300	841.5	DFT-s-OFDM PI/2 BPSK	75@0	13.379	14.08
n5	15	15	177300	841.5	DFT-s-OFDM QPSK	75@0	13.34	13.72
n5	15	15	177300	841.5	DFT-s-OFDM 16 QAM	75@0	13.56	13.86
n5	15	15	177300	841.5	DFT-s-OFDM 64 QAM	75@0	13.287	13.74
n5	15	15	177300	841.5	DFT-s-OFDM 256 QAM	75@0	13.47	13.8
n5	15	15	177300	841.5	CP-OFDM QPSK	79@0	14.109	14.45
n5	15	15	177300	841.5	CP-OFDM 16 QAM	79@0	14.147	14.54
n5	15	15	177300	841.5	CP-OFDM 64 QAM	79@0	13.813	14.36
n5	15	15	177300	841.5	CP-OFDM 256 QAM	79@0	14.011	14.33
n5	15	20	175800	834.0	DFT-s-OFDM PI/2 BPSK	100@0	18.017	18.6
n5	15	20	175800	834.0	DFT-s-OFDM QPSK	100@0	17.885	18.43
n5	15	20	175800	834.0	DFT-s-OFDM 16 QAM	100@0	17.876	18.68
n5	15	20	175800	834.0	DFT-s-OFDM 64 QAM	100@0	17.881	18.93
n5	15	20	175800	834.0	DFT-s-OFDM 256 QAM	100@0	18.068	18.41
n5	15	20	175800	834.0	CP-OFDM QPSK	106@0	18.976	20.44
n5	15	20	175800	834.0	CP-OFDM 16 QAM	106@0	18.739	19.37
n5	15	20	175800	834.0	CP-OFDM 64 QAM	106@0	18.822	21.85
n5	15	20	175800	834.0	CP-OFDM 256 QAM	106@0	18.927	19.8
n5	15	20	176300	836.5	DFT-s-OFDM PI/2 BPSK	100@0	17.889	18.82
n5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	17.767	20.27
n5	15	20	176300	836.5	DFT-s-OFDM 16 QAM	100@0	18.031	18.46
n5	15	20	176300	836.5	DFT-s-OFDM 64 QAM	100@0	17.941	18.55

n5	15	20	176300	836.5	DFT-s-OFDM 256 QAM	100@0	17.952	18.42
n5	15	20	176300	836.5	CP-OFDM QPSK	106@0	19.018	19.44
n5	15	20	176300	836.5	CP-OFDM 16 QAM	106@0	19.107	19.67
n5	15	20	176300	836.5	CP-OFDM 64 QAM	106@0	18.822	19.29
n5	15	20	176300	836.5	CP-OFDM 256 QAM	106@0	18.977	21.51
n5	15	20	176800	839.0	DFT-s-OFDM PI/2 BPSK	100@0	17.854	19.06
n5	15	20	176800	839.0	DFT-s-OFDM QPSK	100@0	17.938	18.59
n5	15	20	176800	839.0	DFT-s-OFDM 16 QAM	100@0	18.038	18.46
n5	15	20	176800	839.0	DFT-s-OFDM 64 QAM	100@0	17.737	22.0
n5	15	20	176800	839.0	DFT-s-OFDM 256 QAM	100@0	17.907	18.38
n5	15	20	176800	839.0	CP-OFDM QPSK	106@0	18.925	19.43
n5	15	20	176800	839.0	CP-OFDM 16 QAM	106@0	18.985	19.42
n5	15	20	176800	839.0	CP-OFDM 64 QAM	106@0	18.746	19.97
n5	15	20	176800	839.0	CP-OFDM 256 QAM	106@0	18.729	19.25
n41	30	20	501204	2506.02	DFT-s-OFDM PI/2 BPSK	50@0	17.867	18.61
n41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	17.763	18.71
n41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	50@0	17.844	18.47
n41	30	20	501204	2506.02	DFT-s-OFDM 64 QAM	50@0	17.886	18.36
n41	30	20	501204	2506.02	DFT-s-OFDM 256 QAM	50@0	17.998	18.36
n41	30	20	501204	2506.02	CP-OFDM QPSK	51@0	17.999	18.46
n41	30	20	501204	2506.02	CP-OFDM 16 QAM	51@0	17.892	18.38
n41	30	20	501204	2506.02	CP-OFDM 64 QAM	51@0	18.056	18.49
n41	30	20	501204	2506.02	CP-OFDM 256 QAM	51@0	17.832	18.65
n41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	50@0	17.701	18.95

n41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	17.869	18.67
n41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	50@0	17.985	18.44
n41	30	20	518598	2592.99	DFT-s-OFDM 64 QAM	50@0	17.79	18.73
n41	30	20	518598	2592.99	DFT-s-OFDM 256 QAM	50@0	17.885	18.44
n41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	17.743	18.93
n41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.021	18.49
n41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	17.904	18.57
n41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	17.852	18.61
n41	30	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	50@0	17.885	19.09
n41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	17.788	18.71
n41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	50@0	18.013	18.39
n41	30	20	535998	2679.99	DFT-s-OFDM 64 QAM	50@0	17.864	18.61
n41	30	20	535998	2679.99	DFT-s-OFDM 256 QAM	50@0	18.056	18.43
n41	30	20	535998	2679.99	CP-OFDM QPSK	51@0	17.79	19.35
n41	30	20	535998	2679.99	CP-OFDM 16 QAM	51@0	17.795	18.36
n41	30	20	535998	2679.99	CP-OFDM 64 QAM	51@0	17.818	18.42
n41	30	20	535998	2679.99	CP-OFDM 256 QAM	51@0	17.867	19.01
n41	30	30	502200	2511.0	DFT-s-OFDM PI/2 BPSK	75@0	26.941	27.59
n41	30	30	502200	2511.0	DFT-s-OFDM QPSK	75@0	27.039	27.79
n41	30	30	502200	2511.0	DFT-s-OFDM 16 QAM	75@0	27.052	27.46
n41	30	30	502200	2511.0	DFT-s-OFDM 64 QAM	75@0	26.938	27.64
n41	30	30	502200	2511.0	DFT-s-OFDM 256 QAM	75@0	26.638	27.29
n41	30	30	502200	2511.0	CP-OFDM QPSK	78@0	26.927	27.58
n41	30	30	502200	2511.0	CP-OFDM 16 QAM	78@0	27.074	27.97

n41	30	30	502200	2511.0	CP-OFDM 64 QAM	78@0	26.652	27.68
n41	30	30	502200	2511.0	CP-OFDM 256 QAM	78@0	26.862	27.32
n41	30	30	518598	2592.99	DFT-s-OFDM PI/2 BPSK	75@0	27.038	27.73
n41	30	30	518598	2592.99	DFT-s-OFDM QPSK	75@0	26.699	28.09
n41	30	30	518598	2592.99	DFT-s-OFDM 16 QAM	75@0	26.925	27.67
n41	30	30	518598	2592.99	DFT-s-OFDM 64 QAM	75@0	26.708	28.13
n41	30	30	518598	2592.99	DFT-s-OFDM 256 QAM	75@0	26.796	27.45
n41	30	30	518598	2592.99	CP-OFDM QPSK	78@0	26.696	28.11
n41	30	30	518598	2592.99	CP-OFDM 16 QAM	78@0	26.87	27.82
n41	30	30	518598	2592.99	CP-OFDM 64 QAM	78@0	26.863	27.5
n41	30	30	518598	2592.99	CP-OFDM 256 QAM	78@0	27.179	27.83
n41	30	30	534996	2674.98	DFT-s-OFDM PI/2 BPSK	75@0	27.017	27.65
n41	30	30	534996	2674.98	DFT-s-OFDM QPSK	75@0	26.759	28.1
n41	30	30	534996	2674.98	DFT-s-OFDM 16 QAM	75@0	26.897	28.15
n41	30	30	534996	2674.98	DFT-s-OFDM 64 QAM	75@0	26.687	27.47
n41	30	30	534996	2674.98	DFT-s-OFDM 256 QAM	75@0	26.953	27.53
n41	30	30	534996	2674.98	CP-OFDM QPSK	78@0	26.915	27.46
n41	30	30	534996	2674.98	CP-OFDM 16 QAM	78@0	26.779	27.7
n41	30	30	534996	2674.98	CP-OFDM 64 QAM	78@0	26.745	28.12
n41	30	30	534996	2674.98	CP-OFDM 256 QAM	78@0	26.872	27.29
n41	30	40	503202	2516.01	DFT-s-OFDM PI/2 BPSK	100@0	35.863	36.71
n41	30	40	503202	2516.01	DFT-s-OFDM QPSK	100@0	35.963	37.26
n41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	100@0	35.796	36.6
n41	30	40	503202	2516.01	DFT-s-OFDM 64 QAM	100@0	35.769	37.16

n41	30	40	503202	2516.01	DFT-s-OFDM 256 QAM	100@0	36.093	37.04
n41	30	40	503202	2516.01	CP-OFDM QPSK	106@0	36.279	36.85
n41	30	40	503202	2516.01	CP-OFDM 16 QAM	106@0	35.447	36.83
n41	30	40	503202	2516.01	CP-OFDM 64 QAM	106@0	36.097	37.06
n41	30	40	503202	2516.01	CP-OFDM 256 QAM	106@0	36.146	36.86
n41	30	40	518598	2592.99	DFT-s-OFDM PI/2 BPSK	100@0	35.706	36.93
n41	30	40	518598	2592.99	DFT-s-OFDM QPSK	100@0	35.601	36.82
n41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	100@0	35.973	36.74
n41	30	40	518598	2592.99	DFT-s-OFDM 64 QAM	100@0	35.944	36.95
n41	30	40	518598	2592.99	DFT-s-OFDM 256 QAM	100@0	35.79	36.81
n41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	35.603	36.95
n41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	35.985	36.86
n41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	36.054	36.85
n41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	35.532	37.14
n41	30	40	534000	2670.0	DFT-s-OFDM PI/2 BPSK	100@0	35.735	37.89
n41	30	40	534000	2670.0	DFT-s-OFDM QPSK	100@0	35.811	37.01
n41	30	40	534000	2670.0	DFT-s-OFDM 16 QAM	100@0	35.716	37.29
n41	30	40	534000	2670.0	DFT-s-OFDM 64 QAM	100@0	36.04	36.78
n41	30	40	534000	2670.0	DFT-s-OFDM 256 QAM	100@0	35.702	36.94
n41	30	40	534000	2670.0	CP-OFDM QPSK	106@0	36.163	36.84
n41	30	40	534000	2670.0	CP-OFDM 16 QAM	106@0	36.095	36.58
n41	30	40	534000	2670.0	CP-OFDM 64 QAM	106@0	35.811	37.39
n41	30	40	534000	2670.0	CP-OFDM 256 QAM	106@0	35.961	36.71
n41	30	50	504204	2521.02	DFT-s-OFDM PI/2 BPSK	128@0	46.113	47.0

n41	30	50	504204	2521.02	DFT-s-OFDM QPSK	128@0	45.925	47.04
n41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	128@0	45.464	47.35
n41	30	50	504204	2521.02	DFT-s-OFDM 64 QAM	128@0	45.683	47.1
n41	30	50	504204	2521.02	DFT-s-OFDM 256 QAM	128@0	45.43	47.03
n41	30	50	504204	2521.02	CP-OFDM QPSK	133@0	45.609	47.32
n41	30	50	504204	2521.02	CP-OFDM 16 QAM	133@0	46.253	46.94
n41	30	50	504204	2521.02	CP-OFDM 64 QAM	133@0	46.023	46.83
n41	30	50	504204	2521.02	CP-OFDM 256 QAM	133@0	45.706	47.25
n41	30	50	518598	2592.99	DFT-s-OFDM PI/2 BPSK	128@0	45.454	47.22
n41	30	50	518598	2592.99	DFT-s-OFDM QPSK	128@0	45.927	47.54
n41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	128@0	45.959	47.13
n41	30	50	518598	2592.99	DFT-s-OFDM 64 QAM	128@0	46.12	47.11
n41	30	50	518598	2592.99	DFT-s-OFDM 256 QAM	128@0	45.293	47.18
n41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	46.169	47.1
n41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	45.654	47.54
n41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	46.274	47.11
n41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	45.751	47.4
n41	30	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	128@0	46.257	47.0
n41	30	50	532998	2664.99	DFT-s-OFDM QPSK	128@0	45.888	47.34
n41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	128@0	45.547	47.07
n41	30	50	532998	2664.99	DFT-s-OFDM 64 QAM	128@0	46.121	47.16
n41	30	50	532998	2664.99	DFT-s-OFDM 256 QAM	128@0	46.04	47.69
n41	30	50	532998	2664.99	CP-OFDM QPSK	133@0	46.201	47.11
n41	30	50	532998	2664.99	CP-OFDM 16 QAM	133@0	46.418	47.3

n41	30	50	532998	2664.99	CP-OFDM 64 QAM	133@0	46.329	47.17
n41	30	50	532998	2664.99	CP-OFDM 256 QAM	133@0	45.895	47.1
n41	30	60	505200	2526.0	DFT-s-OFDM PI/2 BPSK	162@0	57.531	59.1
n41	30	60	505200	2526.0	DFT-s-OFDM QPSK	162@0	57.642	59.43
n41	30	60	505200	2526.0	DFT-s-OFDM 16 QAM	162@0	58.513	59.35
n41	30	60	505200	2526.0	DFT-s-OFDM 64 QAM	162@0	57.641	59.76
n41	30	60	505200	2526.0	DFT-s-OFDM 256 QAM	162@0	58.195	59.45
n41	30	60	505200	2526.0	CP-OFDM QPSK	162@0	58.468	59.57
n41	30	60	505200	2526.0	CP-OFDM 16 QAM	162@0	57.563	59.66
n41	30	60	505200	2526.0	CP-OFDM 64 QAM	162@0	58.241	59.42
n41	30	60	505200	2526.0	CP-OFDM 256 QAM	162@0	58.324	59.11
n41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	58.618	59.68
n41	30	60	518598	2592.99	DFT-s-OFDM QPSK	162@0	58.093	59.58
n41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	162@0	57.746	59.9
n41	30	60	518598	2592.99	DFT-s-OFDM 64 QAM	162@0	57.54	59.23
n41	30	60	518598	2592.99	DFT-s-OFDM 256 QAM	162@0	57.475	60.46
n41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.755	59.98
n41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.872	59.67
n41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	58.343	59.47
n41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.728	59.32
n41	30	60	531996	2659.98	DFT-s-OFDM PI/2 BPSK	162@0	57.836	59.68
n41	30	60	531996	2659.98	DFT-s-OFDM QPSK	162@0	58.696	59.6
n41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	162@0	58.015	59.95
n41	30	60	531996	2659.98	DFT-s-OFDM 64 QAM	162@0	57.86	59.79

n41	30	60	531996	2659.98	DFT-s-OFDM 256 QAM	162@0	57.565	58.86
n41	30	60	531996	2659.98	CP-OFDM QPSK	162@0	57.918	59.78
n41	30	60	531996	2659.98	CP-OFDM 16 QAM	162@0	58.329	59.7
n41	30	60	531996	2659.98	CP-OFDM 64 QAM	162@0	58.476	59.47
n41	30	60	531996	2659.98	CP-OFDM 256 QAM	162@0	58.028	59.34
n41	30	80	507204	2536.02	DFT-s-OFDM PI/2 BPSK	216@0	77.871	79.46
n41	30	80	507204	2536.02	DFT-s-OFDM QPSK	216@0	76.943	79.66
n41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	216@0	75.734	79.54
n41	30	80	507204	2536.02	DFT-s-OFDM 64 QAM	216@0	77.927	79.05
n41	30	80	507204	2536.02	DFT-s-OFDM 256 QAM	216@0	77.051	79.24
n41	30	80	507204	2536.02	CP-OFDM QPSK	217@0	77.711	79.26
n41	30	80	507204	2536.02	CP-OFDM 16 QAM	217@0	76.63	79.57
n41	30	80	507204	2536.02	CP-OFDM 64 QAM	217@0	78.014	79.27
n41	30	80	507204	2536.02	CP-OFDM 256 QAM	217@0	77.783	79.11
n41	30	80	518598	2592.99	DFT-s-OFDM PI/2 BPSK	216@0	78.092	79.45
n41	30	80	518598	2592.99	DFT-s-OFDM QPSK	216@0	77.333	79.68
n41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	216@0	77.537	78.93
n41	30	80	518598	2592.99	DFT-s-OFDM 64 QAM	216@0	77.061	79.64
n41	30	80	518598	2592.99	DFT-s-OFDM 256 QAM	216@0	76.836	79.6
n41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.055	79.46
n41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.88	79.44
n41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	158.51	160.0
n41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.433	78.89
n41	30	80	529998	2649.99	DFT-s-OFDM PI/2 BPSK	216@0	76.877	79.63

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n41	30	80	529998	2649.99	DFT-s-OFDM QPSK	216@0	77.352	79.41
n41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	216@0	77.99	79.21
n41	30	80	529998	2649.99	DFT-s-OFDM 64 QAM	216@0	77.127	78.55
n41	30	80	529998	2649.99	DFT-s-OFDM 256 QAM	216@0	77.121	79.49
n41	30	80	529998	2649.99	CP-OFDM QPSK	217@0	77.224	79.51
n41	30	80	529998	2649.99	CP-OFDM 16 QAM	217@0	76.64	79.57
n41	30	80	529998	2649.99	CP-OFDM 64 QAM	217@0	158.5	160.0
n41	30	80	529998	2649.99	CP-OFDM 256 QAM	217@0	77.349	78.8
n41	30	90	508200	2541.0	DFT-s-OFDM PI/2 BPSK	240@0	85.797	88.31
n41	30	90	508200	2541.0	DFT-s-OFDM QPSK	240@0	86.41	87.98
n41	30	90	508200	2541.0	DFT-s-OFDM 16 QAM	240@0	86.484	88.2
n41	30	90	508200	2541.0	DFT-s-OFDM 64 QAM	240@0	86.616	88.45
n41	30	90	508200	2541.0	DFT-s-OFDM 256 QAM	240@0	86.964	88.28
n41	30	90	508200	2541.0	CP-OFDM QPSK	245@0	86.46	89.39
n41	30	90	508200	2541.0	CP-OFDM 16 QAM	245@0	86.448	89.51
n41	30	90	508200	2541.0	CP-OFDM 64 QAM	245@0	87.657	89.42
n41	30	90	508200	2541.0	CP-OFDM 256 QAM	245@0	87.532	89.11
n41	30	90	518598	2592.99	DFT-s-OFDM PI/2 BPSK	240@0	86.555	88.3
n41	30	90	518598	2592.99	DFT-s-OFDM QPSK	240@0	85.931	88.44
n41	30	90	518598	2592.99	DFT-s-OFDM 16 QAM	240@0	86.33	88.41
n41	30	90	518598	2592.99	DFT-s-OFDM 64 QAM	240@0	86.77	88.06
n41	30	90	518598	2592.99	DFT-s-OFDM 256 QAM	240@0	85.486	88.38
n41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.433	89.3
n41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.331	89.26

n41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	86.563	89.32
n41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	86.572	89.64
n41	30	90	528996	2644.98	DFT-s-OFDM PI/2 BPSK	240@0	86.838	88.67
n41	30	90	528996	2644.98	DFT-s-OFDM QPSK	240@0	86.728	88.18
n41	30	90	528996	2644.98	DFT-s-OFDM 16 QAM	240@0	85.78	88.24
n41	30	90	528996	2644.98	DFT-s-OFDM 64 QAM	240@0	86.369	87.79
n41	30	90	528996	2644.98	DFT-s-OFDM 256 QAM	240@0	85.758	88.35
n41	30	90	528996	2644.98	CP-OFDM QPSK	245@0	87.874	89.2
n41	30	90	528996	2644.98	CP-OFDM 16 QAM	245@0	87.821	89.49
n41	30	90	528996	2644.98	CP-OFDM 64 QAM	245@0	86.606	89.43
n41	30	90	528996	2644.98	CP-OFDM 256 QAM	245@0	86.58	90.44
n41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	270@0	97.409	99.51
n41	30	100	509202	2546.01	DFT-s-OFDM QPSK	270@0	97.919	99.41
n41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	270@0	97.501	99.13
n41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	270@0	96.309	98.93
n41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	270@0	96.374	99.64
n41	30	100	509202	2546.01	CP-OFDM QPSK	273@0	96.412	99.82
n41	30	100	509202	2546.01	CP-OFDM 16 QAM	273@0	97.008	98.63
n41	30	100	509202	2546.01	CP-OFDM 64 QAM	273@0	96.082	99.41
n41	30	100	509202	2546.01	CP-OFDM 256 QAM	273@0	95.944	99.14
n41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	270@0	95.751	100.5
n41	30	100	518598	2592.99	DFT-s-OFDM QPSK	270@0	95.998	99.31
n41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	270@0	97.418	99.22
n41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	270@0	97.445	99.18

n41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	270@0	97.222	98.78
n41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	96.19	99.26
n41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.183	99.0
n41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	96.234	99.3
n41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	96.306	99.36
n41	30	100	528000	2640.0	DFT-s-OFDM PI/2 BPSK	270@0	97.452	99.4
n41	30	100	528000	2640.0	DFT-s-OFDM QPSK	270@0	96.306	99.54
n41	30	100	528000	2640.0	DFT-s-OFDM 16 QAM	270@0	97.303	99.23
n41	30	100	528000	2640.0	DFT-s-OFDM 64 QAM	270@0	96.507	99.34
n41	30	100	528000	2640.0	DFT-s-OFDM 256 QAM	270@0	96.042	99.25
n41	30	100	528000	2640.0	CP-OFDM QPSK	273@0	97.53	99.2
n41	30	100	528000	2640.0	CP-OFDM 16 QAM	273@0	96.149	99.55
n41	30	100	528000	2640.0	CP-OFDM 64 QAM	273@0	95.836	99.4
n41	30	100	528000	2640.0	CP-OFDM 256 QAM	273@0	97.837	99.64
n66	15	5	422500	1712.5	DFT-s-OFDM PI/2 BPSK	25@0	4.501	4.619
n66	15	5	422500	1712.5	DFT-s-OFDM QPSK	25@0	4.4711	4.62
n66	15	5	422500	1712.5	DFT-s-OFDM 16 QAM	25@0	4.4354	4.587
n66	15	5	422500	1712.5	DFT-s-OFDM 64 QAM	25@0	4.4414	4.654
n66	15	5	422500	1712.5	DFT-s-OFDM 256 QAM	25@0	4.4979	4.598
n66	15	5	422500	1712.5	CP-OFDM QPSK	25@0	4.4485	4.594
n66	15	5	422500	1712.5	CP-OFDM 16 QAM	25@0	4.5076	4.598
n66	15	5	422500	1712.5	CP-OFDM 64 QAM	25@0	4.4437	4.571
n66	15	5	422500	1712.5	CP-OFDM 256 QAM	25@0	4.4543	4.548
n66	15	5	429000	1745.0	DFT-s-OFDM PI/2 BPSK	25@0	4.4333	4.596

n66	15	5	429000	1745.0	DFT-s-OFDM QPSK	25@0	4.459	4.641
n66	15	5	429000	1745.0	DFT-s-OFDM 16 QAM	25@0	4.4869	4.662
n66	15	5	429000	1745.0	DFT-s-OFDM 64 QAM	25@0	4.5175	4.926
n66	15	5	429000	1745.0	DFT-s-OFDM 256 QAM	25@0	4.4739	4.579
n66	15	5	429000	1745.0	CP-OFDM QPSK	25@0	4.4529	4.563
n66	15	5	429000	1745.0	CP-OFDM 16 QAM	25@0	4.435	4.557
n66	15	5	429000	1745.0	CP-OFDM 64 QAM	25@0	4.4604	4.603
n66	15	5	429000	1745.0	CP-OFDM 256 QAM	25@0	4.413	4.581
n66	15	5	435500	1777.5	DFT-s-OFDM PI/2 BPSK	25@0	4.4803	4.925
n66	15	5	435500	1777.5	DFT-s-OFDM QPSK	25@0	4.4222	4.556
n66	15	5	435500	1777.5	DFT-s-OFDM 16 QAM	25@0	4.4491	4.577
n66	15	5	435500	1777.5	DFT-s-OFDM 64 QAM	25@0	4.4658	4.603
n66	15	5	435500	1777.5	DFT-s-OFDM 256 QAM	25@0	4.4428	4.554
n66	15	5	435500	1777.5	CP-OFDM QPSK	25@0	4.4882	4.597
n66	15	5	435500	1777.5	CP-OFDM 16 QAM	25@0	4.4674	4.604
n66	15	5	435500	1777.5	CP-OFDM 64 QAM	25@0	4.4613	4.626
n66	15	5	435500	1777.5	CP-OFDM 256 QAM	25@0	4.4207	4.579
n66	15	10	423000	1715.0	DFT-s-OFDM PI/2 BPSK	50@0	8.9111	9.213
n66	15	10	423000	1715.0	DFT-s-OFDM QPSK	50@0	8.9635	9.214
n66	15	10	423000	1715.0	DFT-s-OFDM 16 QAM	50@0	8.9657	9.209
n66	15	10	423000	1715.0	DFT-s-OFDM 64 QAM	50@0	8.9479	9.196
n66	15	10	423000	1715.0	DFT-s-OFDM 256 QAM	50@0	9.0187	9.219
n66	15	10	423000	1715.0	CP-OFDM QPSK	52@0	9.269	9.801
n66	15	10	423000	1715.0	CP-OFDM 16 QAM	52@0	9.2758	9.491

n66	15	10	423000	1715.0	CP-OFDM 64 QAM	52@0	9.379	9.573
n66	15	10	423000	1715.0	CP-OFDM 256 QAM	52@0	9.2914	9.538
n66	15	10	429000	1745.0	DFT-s-OFDM PI/2 BPSK	50@0	8.9413	9.298
n66	15	10	429000	1745.0	DFT-s-OFDM QPSK	50@0	8.9391	9.204
n66	15	10	429000	1745.0	DFT-s-OFDM 16 QAM	50@0	8.939	9.206
n66	15	10	429000	1745.0	DFT-s-OFDM 64 QAM	50@0	8.8974	9.656
n66	15	10	429000	1745.0	DFT-s-OFDM 256 QAM	50@0	8.9122	9.402
n66	15	10	429000	1745.0	CP-OFDM QPSK	52@0	9.3832	9.616
n66	15	10	429000	1745.0	CP-OFDM 16 QAM	52@0	9.3246	9.564
n66	15	10	429000	1745.0	CP-OFDM 64 QAM	52@0	9.2795	9.783
n66	15	10	429000	1745.0	CP-OFDM 256 QAM	52@0	9.232	9.454
n66	15	10	435000	1775.0	DFT-s-OFDM PI/2 BPSK	50@0	8.9126	9.326
n66	15	10	435000	1775.0	DFT-s-OFDM QPSK	50@0	8.9204	9.474
n66	15	10	435000	1775.0	DFT-s-OFDM 16 QAM	50@0	8.9576	9.203
n66	15	10	435000	1775.0	DFT-s-OFDM 64 QAM	50@0	8.832	9.41
n66	15	10	435000	1775.0	DFT-s-OFDM 256 QAM	50@0	8.9764	9.228
n66	15	10	435000	1775.0	CP-OFDM QPSK	52@0	9.3931	9.585
n66	15	10	435000	1775.0	CP-OFDM 16 QAM	52@0	9.3766	9.727
n66	15	10	435000	1775.0	CP-OFDM 64 QAM	52@0	9.3578	9.551
n66	15	10	435000	1775.0	CP-OFDM 256 QAM	52@0	9.2899	9.538
n66	15	15	423500	1717.5	DFT-s-OFDM PI/2 BPSK	75@0	13.405	13.77
n66	15	15	423500	1717.5	DFT-s-OFDM QPSK	75@0	13.524	13.82
n66	15	15	423500	1717.5	DFT-s-OFDM 16 QAM	75@0	13.56	13.84
n66	15	15	423500	1717.5	DFT-s-OFDM 64 QAM	75@0	13.517	13.8

n66	15	15	423500	1717.5	DFT-s-OFDM 256 QAM	75@0	13.404	13.97
n66	15	15	423500	1717.5	CP-OFDM QPSK	79@0	14.253	14.56
n66	15	15	423500	1717.5	CP-OFDM 16 QAM	79@0	14.087	14.58
n66	15	15	423500	1717.5	CP-OFDM 64 QAM	79@0	14.149	14.51
n66	15	15	423500	1717.5	CP-OFDM 256 QAM	79@0	14.173	14.51
n66	15	15	429000	1745.0	DFT-s-OFDM PI/2 BPSK	75@0	13.411	14.21
n66	15	15	429000	1745.0	DFT-s-OFDM QPSK	75@0	13.498	13.73
n66	15	15	429000	1745.0	DFT-s-OFDM 16 QAM	75@0	13.464	13.75
n66	15	15	429000	1745.0	DFT-s-OFDM 64 QAM	75@0	13.474	13.87
n66	15	15	429000	1745.0	DFT-s-OFDM 256 QAM	75@0	13.496	13.89
n66	15	15	429000	1745.0	CP-OFDM QPSK	79@0	14.199	14.52
n66	15	15	429000	1745.0	CP-OFDM 16 QAM	79@0	13.976	14.46
n66	15	15	429000	1745.0	CP-OFDM 64 QAM	79@0	14.151	14.53
n66	15	15	429000	1745.0	CP-OFDM 256 QAM	79@0	13.859	14.35
n66	15	15	434500	1772.5	DFT-s-OFDM PI/2 BPSK	75@0	13.37	13.86
n66	15	15	434500	1772.5	DFT-s-OFDM QPSK	75@0	13.42	13.93
n66	15	15	434500	1772.5	DFT-s-OFDM 16 QAM	75@0	13.493	13.81
n66	15	15	434500	1772.5	DFT-s-OFDM 64 QAM	75@0	13.45	13.82
n66	15	15	434500	1772.5	DFT-s-OFDM 256 QAM	75@0	13.514	13.8
n66	15	15	434500	1772.5	CP-OFDM QPSK	79@0	14.171	14.82
n66	15	15	434500	1772.5	CP-OFDM 16 QAM	79@0	14.111	14.49
n66	15	15	434500	1772.5	CP-OFDM 64 QAM	79@0	14.037	14.45
n66	15	15	434500	1772.5	CP-OFDM 256 QAM	79@0	14.01	14.66
n66	15	20	424000	1720.0	DFT-s-OFDM PI/2 BPSK	100@0	17.818	18.28

n66	15	20	424000	1720.0	DFT-s-OFDM QPSK	100@0	17.876	18.58
n66	15	20	424000	1720.0	DFT-s-OFDM 16 QAM	100@0	18.061	18.48
n66	15	20	424000	1720.0	DFT-s-OFDM 64 QAM	100@0	18.07	18.44
n66	15	20	424000	1720.0	DFT-s-OFDM 256 QAM	100@0	17.73	18.65
n66	15	20	424000	1720.0	CP-OFDM QPSK	106@0	18.817	19.4
n66	15	20	424000	1720.0	CP-OFDM 16 QAM	106@0	19.072	19.45
n66	15	20	424000	1720.0	CP-OFDM 64 QAM	106@0	18.991	19.51
n66	15	20	424000	1720.0	CP-OFDM 256 QAM	106@0	19.087	19.52
n66	15	20	429000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	18.073	18.47
n66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	17.965	18.53
n66	15	20	429000	1745.0	DFT-s-OFDM 16 QAM	100@0	18.013	18.35
n66	15	20	429000	1745.0	DFT-s-OFDM 64 QAM	100@0	17.848	18.5
n66	15	20	429000	1745.0	DFT-s-OFDM 256 QAM	100@0	17.879	18.51
n66	15	20	429000	1745.0	CP-OFDM QPSK	106@0	18.757	19.34
n66	15	20	429000	1745.0	CP-OFDM 16 QAM	106@0	18.948	19.5
n66	15	20	429000	1745.0	CP-OFDM 64 QAM	106@0	19.044	19.42
n66	15	20	429000	1745.0	CP-OFDM 256 QAM	106@0	18.997	19.61
n66	15	20	434000	1770.0	DFT-s-OFDM PI/2 BPSK	100@0	18.042	18.44
n66	15	20	434000	1770.0	DFT-s-OFDM QPSK	100@0	18.105	18.52
n66	15	20	434000	1770.0	DFT-s-OFDM 16 QAM	100@0	17.855	18.43
n66	15	20	434000	1770.0	DFT-s-OFDM 64 QAM	100@0	17.883	18.35
n66	15	20	434000	1770.0	DFT-s-OFDM 256 QAM	100@0	17.89	18.33
n66	15	20	434000	1770.0	CP-OFDM QPSK	106@0	18.881	19.67
n66	15	20	434000	1770.0	CP-OFDM 16 QAM	106@0	18.933	19.68

n66	15	20	434000	1770.0	CP-OFDM 64 QAM	106@0	19.171	19.64
n66	15	20	434000	1770.0	CP-OFDM 256 QAM	106@0	18.863	19.42

n77(3700-3980 MHz)								
n77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@0	17.985	18.51
n77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	18.067	18.51
n77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	50@0	17.965	18.4
n77	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	50@0	17.803	18.64
n77	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	50@0	18.045	18.35
n77	30	20	647334	3710.01	CP-OFDM QPSK	51@0	17.96	18.43
n77	30	20	647334	3710.01	CP-OFDM 16 QAM	51@0	18.056	18.44
n77	30	20	647334	3710.01	CP-OFDM 64 QAM	51@0	17.954	18.45
n77	30	20	647334	3710.01	CP-OFDM 256 QAM	51@0	17.824	18.28
n77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	17.412	18.66
n77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	18.044	18.4
n77	30	20	656000	3840.0	DFT-s-OFDM 16 QAM	50@0	17.976	18.88
n77	30	20	656000	3840.0	DFT-s-OFDM 64 QAM	50@0	17.868	18.34
n77	30	20	656000	3840.0	DFT-s-OFDM 256 QAM	50@0	18.144	18.68
n77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	17.96	18.41
n77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	17.808	18.54
n77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	17.784	18.23
n77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	17.683	18.21
n77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	50@0	17.493	18.57
n77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	17.943	18.72
n77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	50@0	17.935	18.43
n77	30	20	664666	3969.99	DFT-s-OFDM 64 QAM	50@0	17.905	18.59
n77	30	20	664666	3969.99	DFT-s-OFDM 256 QAM	50@0	17.918	18.4

n77	30	20	664666	3969.99	CP-OFDM QPSK	51@0	17.932	18.24
n77	30	20	664666	3969.99	CP-OFDM 16 QAM	51@0	17.997	18.68
n77	30	20	664666	3969.99	CP-OFDM 64 QAM	51@0	17.95	18.76
n77	30	20	664666	3969.99	CP-OFDM 256 QAM	51@0	17.893	18.67
n77	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	75@0	26.708	27.94
n77	30	30	647668	3715.02	DFT-s-OFDM QPSK	75@0	26.606	28.26
n77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	75@0	27.114	28.25
n77	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	75@0	27.015	27.69
n77	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	75@0	26.58	27.1
n77	30	30	647668	3715.02	CP-OFDM QPSK	78@0	26.606	27.49
n77	30	30	647668	3715.02	CP-OFDM 16 QAM	78@0	26.864	27.53
n77	30	30	647668	3715.02	CP-OFDM 64 QAM	78@0	26.634	27.79
n77	30	30	647668	3715.02	CP-OFDM 256 QAM	78@0	27.111	27.55
n77	30	30	656000	3840.0	DFT-s-OFDM PI/2 BPSK	75@0	26.851	27.96
n77	30	30	656000	3840.0	DFT-s-OFDM QPSK	75@0	26.588	27.88
n77	30	30	656000	3840.0	DFT-s-OFDM 16 QAM	75@0	26.545	28.01
n77	30	30	656000	3840.0	DFT-s-OFDM 64 QAM	75@0	26.694	28.4
n77	30	30	656000	3840.0	DFT-s-OFDM 256 QAM	75@0	27.147	27.59
n77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	26.905	27.89
n77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.052	27.6
n77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	26.582	27.21
n77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	26.714	27.51
n77	30	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	75@0	26.495	27.77
n77	30	30	664332	3964.98	DFT-s-OFDM QPSK	75@0	26.563	27.68

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n77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	75@0	27.004	27.69
n77	30	30	664332	3964.98	DFT-s-OFDM 64 QAM	75@0	26.985	27.58
n77	30	30	664332	3964.98	DFT-s-OFDM 256 QAM	75@0	27.143	28.06
n77	30	30	664332	3964.98	CP-OFDM QPSK	78@0	26.989	27.39
n77	30	30	664332	3964.98	CP-OFDM 16 QAM	78@0	26.663	28.01
n77	30	30	664332	3964.98	CP-OFDM 64 QAM	78@0	26.732	27.7
n77	30	30	664332	3964.98	CP-OFDM 256 QAM	78@0	26.774	27.58
n77	30	40	648000	3720.0	DFT-s-OFDM PI/2 BPSK	100@0	35.452	37.47
n77	30	40	648000	3720.0	DFT-s-OFDM QPSK	100@0	36.034	36.8
n77	30	40	648000	3720.0	DFT-s-OFDM 16 QAM	100@0	35.733	36.87
n77	30	40	648000	3720.0	DFT-s-OFDM 64 QAM	100@0	35.975	36.64
n77	30	40	648000	3720.0	DFT-s-OFDM 256 QAM	100@0	35.991	36.88
n77	30	40	648000	3720.0	CP-OFDM QPSK	106@0	35.844	36.63
n77	30	40	648000	3720.0	CP-OFDM 16 QAM	106@0	35.863	36.97
n77	30	40	648000	3720.0	CP-OFDM 64 QAM	106@0	35.397	36.97
n77	30	40	648000	3720.0	CP-OFDM 256 QAM	106@0	36.351	37.41
n77	30	40	656000	3840.0	DFT-s-OFDM PI/2 BPSK	100@0	36.076	36.73
n77	30	40	656000	3840.0	DFT-s-OFDM QPSK	100@0	35.862	37.42
n77	30	40	656000	3840.0	DFT-s-OFDM 16 QAM	100@0	36.08	36.73
n77	30	40	656000	3840.0	DFT-s-OFDM 64 QAM	100@0	35.744	36.98
n77	30	40	656000	3840.0	DFT-s-OFDM 256 QAM	100@0	35.55	37.2
n77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	36.072	36.84
n77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	36.042	36.85
n77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	35.534	37.2

n77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	36.392	37.14
n77	30	40	664000	3960.0	DFT-s-OFDM PI/2 BPSK	100@0	35.81	37.13
n77	30	40	664000	3960.0	DFT-s-OFDM QPSK	100@0	35.982	36.77
n77	30	40	664000	3960.0	DFT-s-OFDM 16 QAM	100@0	35.784	37.01
n77	30	40	664000	3960.0	DFT-s-OFDM 64 QAM	100@0	36.239	37.34
n77	30	40	664000	3960.0	DFT-s-OFDM 256 QAM	100@0	35.985	36.62
n77	30	40	664000	3960.0	CP-OFDM QPSK	106@0	35.545	36.49
n77	30	40	664000	3960.0	CP-OFDM 16 QAM	106@0	35.578	36.92
n77	30	40	664000	3960.0	CP-OFDM 64 QAM	106@0	35.922	36.63
n77	30	40	664000	3960.0	CP-OFDM 256 QAM	106@0	35.769	37.25
n77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	162@0	58.586	59.49
n77	30	60	648668	3730.02	DFT-s-OFDM QPSK	162@0	57.864	59.61
n77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	162@0	58.285	59.51
n77	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	162@0	58.094	59.42
n77	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	162@0	57.822	59.68
n77	30	60	648668	3730.02	CP-OFDM QPSK	162@0	58.269	59.49
n77	30	60	648668	3730.02	CP-OFDM 16 QAM	162@0	58.207	59.28
n77	30	60	648668	3730.02	CP-OFDM 64 QAM	162@0	57.763	59.6
n77	30	60	648668	3730.02	CP-OFDM 256 QAM	162@0	58.392	59.65
n77	30	60	656000	3840.0	DFT-s-OFDM PI/2 BPSK	162@0	58.49	59.61
n77	30	60	656000	3840.0	DFT-s-OFDM QPSK	162@0	58.395	59.58
n77	30	60	656000	3840.0	DFT-s-OFDM 16 QAM	162@0	57.825	59.8
n77	30	60	656000	3840.0	DFT-s-OFDM 64 QAM	162@0	58.572	59.47
n77	30	60	656000	3840.0	DFT-s-OFDM 256 QAM	162@0	58.511	59.43

n77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.593	59.48
n77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.641	59.64
n77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.776	59.22
n77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.735	59.53
n77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	162@0	57.867	59.66
n77	30	60	663332	3949.98	DFT-s-OFDM QPSK	162@0	58.198	59.22
n77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	162@0	58.509	59.7
n77	30	60	663332	3949.98	DFT-s-OFDM 64 QAM	162@0	57.726	59.56
n77	30	60	663332	3949.98	DFT-s-OFDM 256 QAM	162@0	58.471	59.32
n77	30	60	663332	3949.98	CP-OFDM QPSK	162@0	58.56	59.5
n77	30	60	663332	3949.98	CP-OFDM 16 QAM	162@0	57.84	59.69
n77	30	60	663332	3949.98	CP-OFDM 64 QAM	162@0	57.48	59.51
n77	30	60	663332	3949.98	CP-OFDM 256 QAM	162@0	57.855	60.08
n77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	216@0	76.897	79.35
n77	30	80	649334	3740.01	DFT-s-OFDM QPSK	216@0	77.971	79.34
n77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	216@0	76.967	79.49
n77	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	216@0	76.964	79.75
n77	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	216@0	78.228	79.92
n77	30	80	649334	3740.01	CP-OFDM QPSK	217@0	76.859	79.52
n77	30	80	649334	3740.01	CP-OFDM 16 QAM	217@0	77.001	79.58
n77	30	80	649334	3740.01	CP-OFDM 64 QAM	217@0	77.642	79.17
n77	30	80	649334	3740.01	CP-OFDM 256 QAM	217@0	76.984	79.66
n77	30	80	656000	3840.0	DFT-s-OFDM PI/2 BPSK	216@0	76.909	79.32
n77	30	80	656000	3840.0	DFT-s-OFDM QPSK	216@0	77.273	80.06

n77	30	80	656000	3840.0	DFT-s-OFDM 16 QAM	216@0	76.616	79.61
n77	30	80	656000	3840.0	DFT-s-OFDM 64 QAM	216@0	77.797	79.39
n77	30	80	656000	3840.0	DFT-s-OFDM 256 QAM	216@0	76.667	79.5
n77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.662	79.04
n77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.768	79.24
n77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	76.509	79.38
n77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.355	79.02
n77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	216@0	77.215	79.47
n77	30	80	662666	3939.99	DFT-s-OFDM QPSK	216@0	77.842	79.13
n77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	216@0	77.841	79.46
n77	30	80	662666	3939.99	DFT-s-OFDM 64 QAM	216@0	77.159	79.46
n77	30	80	662666	3939.99	DFT-s-OFDM 256 QAM	216@0	76.864	79.3
n77	30	80	662666	3939.99	CP-OFDM QPSK	217@0	77.13	79.5
n77	30	80	662666	3939.99	CP-OFDM 16 QAM	217@0	77.315	79.18
n77	30	80	662666	3939.99	CP-OFDM 64 QAM	217@0	77.348	79.22
n77	30	80	662666	3939.99	CP-OFDM 256 QAM	217@0	76.929	79.73
n77	30	100	650000	3750.0	DFT-s-OFDM PI/2 BPSK	270@0	97.363	99.2
n77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	96.091	99.29
n77	30	100	650000	3750.0	DFT-s-OFDM 16 QAM	270@0	95.87	99.14
n77	30	100	650000	3750.0	DFT-s-OFDM 64 QAM	270@0	97.209	98.97
n77	30	100	650000	3750.0	DFT-s-OFDM 256 QAM	270@0	97.107	99.05
n77	30	100	650000	3750.0	CP-OFDM QPSK	273@0	96.705	98.5
n77	30	100	650000	3750.0	CP-OFDM 16 QAM	273@0	97.066	98.57
n77	30	100	650000	3750.0	CP-OFDM 64 QAM	273@0	97.202	99.93

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n77	30	100	650000	3750.0	CP-OFDM 256 QAM	273@0	96.12	98.34
n77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	270@0	95.673	99.23
n77	30	100	656000	3840.0	DFT-s-OFDM QPSK	270@0	97.249	99.02
n77	30	100	656000	3840.0	DFT-s-OFDM 16 QAM	270@0	96.939	98.93
n77	30	100	656000	3840.0	DFT-s-OFDM 64 QAM	270@0	97.297	99.16
n77	30	100	656000	3840.0	DFT-s-OFDM 256 QAM	270@0	96.869	98.77
n77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.416	99.12
n77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.768	99.05
n77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	95.938	99.51
n77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	96.336	99.39
n77	30	100	662000	3930.0	DFT-s-OFDM PI/2 BPSK	270@0	97.334	99.13
n77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	97.705	99.53
n77	30	100	662000	3930.0	DFT-s-OFDM 16 QAM	270@0	96.421	99.03
n77	30	100	662000	3930.0	DFT-s-OFDM 64 QAM	270@0	97.1	99.16
n77	30	100	662000	3930.0	DFT-s-OFDM 256 QAM	270@0	96.578	99.17
n77	30	100	662000	3930.0	CP-OFDM QPSK	273@0	97.469	99.07
n77	30	100	662000	3930.0	CP-OFDM 16 QAM	273@0	96.021	99.7
n77	30	100	662000	3930.0	CP-OFDM 64 QAM	273@0	96.368	98.05
n77	30	100	662000	3930.0	CP-OFDM 256 QAM	273@0	97.423	99.69

n77(3450-3550 MHz)								
n77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	50@0	17.797	18.98
n77	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	17.928	19.04
n77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	50@0	17.882	18.89

n77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	50@0	17.835	18.8
n77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	50@0	17.83	18.85
n77	30	20	630668	3460.02	CP-OFDM QPSK	51@0	18.251	19.54
n77	30	20	630668	3460.02	CP-OFDM 16 QAM	51@0	18.157	19.18
n77	30	20	630668	3460.02	CP-OFDM 64 QAM	51@0	18.208	19.35
n77	30	20	630668	3460.02	CP-OFDM 256 QAM	51@0	18.241	19.28
n77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	17.759	18.92
n77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	17.829	19.1
n77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	50@0	17.836	19.37
n77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	50@0	17.85	18.88
n77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	50@0	17.784	19.03
n77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.226	19.42
n77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.218	18.99
n77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.231	19.05
n77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.255	19.55
n77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	50@0	17.82	19.15
n77	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	17.815	19.12
n77	30	20	636000	3540.0	DFT-s-OFDM 16 QAM	50@0	17.888	19.18
n77	30	20	636000	3540.0	DFT-s-OFDM 64 QAM	50@0	17.889	19.1
n77	30	20	636000	3540.0	DFT-s-OFDM 256 QAM	50@0	17.81	18.88
n77	30	20	636000	3540.0	CP-OFDM QPSK	51@0	18.195	19.23
n77	30	20	636000	3540.0	CP-OFDM 16 QAM	51@0	18.243	19.4
n77	30	20	636000	3540.0	CP-OFDM 64 QAM	51@0	18.218	19.19
n77	30	20	636000	3540.0	CP-OFDM 256 QAM	51@0	18.227	19.29

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n77	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	75@0	26.829	28.24
n77	30	30	631000	3465.0	DFT-s-OFDM QPSK	75@0	26.785	27.74
n77	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	75@0	26.904	28.25
n77	30	30	631000	3465.0	DFT-s-OFDM 64 QAM	75@0	26.821	28.41
n77	30	30	631000	3465.0	DFT-s-OFDM 256 QAM	75@0	26.85	28.11
n77	30	30	631000	3465.0	CP-OFDM QPSK	78@0	27.835	28.85
n77	30	30	631000	3465.0	CP-OFDM 16 QAM	78@0	27.802	29.05
n77	30	30	631000	3465.0	CP-OFDM 64 QAM	78@0	27.829	29.08
n77	30	30	631000	3465.0	CP-OFDM 256 QAM	78@0	27.788	29.19
n77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	26.794	28.23
n77	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	26.784	28.17
n77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	75@0	26.767	28.03
n77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	75@0	26.808	27.95
n77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	75@0	26.793	27.96
n77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.793	29.27
n77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.802	29.4
n77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.806	29.24
n77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.873	29.0
n77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	75@0	26.802	28.32
n77	30	30	635666	3534.99	DFT-s-OFDM QPSK	75@0	26.745	28.15
n77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	75@0	26.828	28.79
n77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	75@0	26.704	28.66
n77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	75@0	26.883	28.18
n77	30	30	635666	3534.99	CP-OFDM QPSK	78@0	27.865	29.52

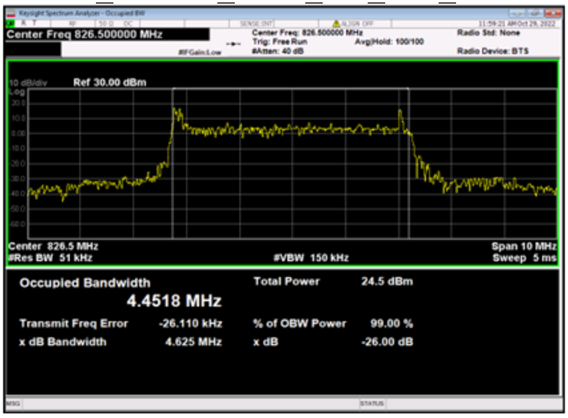
n77	30	30	635666	3534.99	CP-OFDM 16 QAM	78@0	27.787	29.06
n77	30	30	635666	3534.99	CP-OFDM 64 QAM	78@0	27.881	28.99
n77	30	30	635666	3534.99	CP-OFDM 256 QAM	78@0	27.799	29.02
n77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	100@0	35.723	37.56
n77	30	40	631334	3470.01	DFT-s-OFDM QPSK	100@0	35.774	37.31
n77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	100@0	35.797	37.45
n77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	100@0	35.718	37.31
n77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	100@0	35.715	37.46
n77	30	40	631334	3470.01	CP-OFDM QPSK	106@0	37.718	39.67
n77	30	40	631334	3470.01	CP-OFDM 16 QAM	106@0	37.921	39.13
n77	30	40	631334	3470.01	CP-OFDM 64 QAM	106@0	37.833	39.32
n77	30	40	631334	3470.01	CP-OFDM 256 QAM	106@0	37.682	39.59
n77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	35.824	37.39
n77	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	35.818	37.33
n77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	100@0	35.759	37.58
n77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	100@0	35.719	37.33
n77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	100@0	35.723	37.33
n77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.805	39.32
n77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.772	39.61
n77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.839	39.8
n77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.809	39.33
n77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	100@0	35.705	37.3
n77	30	40	635332	3529.98	DFT-s-OFDM QPSK	100@0	35.823	37.4
n77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	100@0	35.73	37.3

n77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	100@0	35.789	37.53
n77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	100@0	35.758	37.37
n77	30	40	635332	3529.98	CP-OFDM QPSK	106@0	37.9	39.61
n77	30	40	635332	3529.98	CP-OFDM 16 QAM	106@0	37.845	39.46
n77	30	40	635332	3529.98	CP-OFDM 64 QAM	106@0	37.826	39.18
n77	30	40	635332	3529.98	CP-OFDM 256 QAM	106@0	37.797	39.45
n77	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	162@0	57.759	60.0
n77	30	60	632000	3480.0	DFT-s-OFDM QPSK	162@0	57.885	60.28
n77	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	162@0	57.846	59.75
n77	30	60	632000	3480.0	DFT-s-OFDM 64 QAM	162@0	57.872	59.9
n77	30	60	632000	3480.0	DFT-s-OFDM 256 QAM	162@0	57.675	60.09
n77	30	60	632000	3480.0	CP-OFDM QPSK	162@0	57.743	60.21
n77	30	60	632000	3480.0	CP-OFDM 16 QAM	162@0	57.669	59.76
n77	30	60	632000	3480.0	CP-OFDM 64 QAM	162@0	57.764	59.93
n77	30	60	632000	3480.0	CP-OFDM 256 QAM	162@0	57.807	60.24
n77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	162@0	57.854	59.75
n77	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	57.948	60.25
n77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	162@0	57.915	59.82
n77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	162@0	57.896	60.3
n77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	162@0	57.837	60.01
n77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.721	60.09
n77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.686	60.04
n77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.765	59.66
n77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.754	59.69

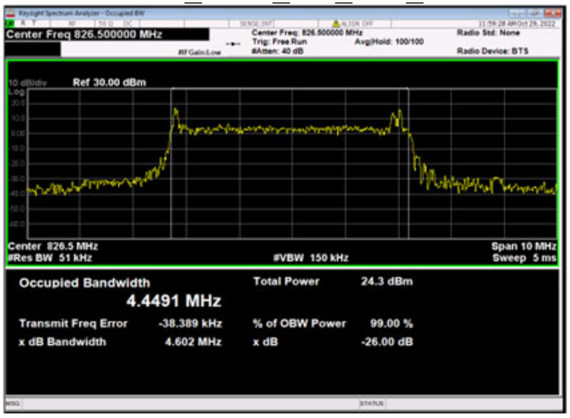
n77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	162@0	57.855	60.26
n77	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	57.614	59.72
n77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	162@0	57.919	60.18
n77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	162@0	57.825	59.86
n77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	162@0	57.717	59.84
n77	30	60	634666	3519.99	CP-OFDM QPSK	162@0	57.674	59.88
n77	30	60	634666	3519.99	CP-OFDM 16 QAM	162@0	57.764	60.37
n77	30	60	634666	3519.99	CP-OFDM 64 QAM	162@0	57.83	59.74
n77	30	60	634666	3519.99	CP-OFDM 256 QAM	162@0	57.804	59.81
n77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	216@0	76.87	79.86
n77	30	80	632668	3490.02	DFT-s-OFDM QPSK	216@0	76.911	79.65
n77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	216@0	77.154	79.7
n77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	216@0	77.16	79.67
n77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	216@0	77.055	79.78
n77	30	80	632668	3490.02	CP-OFDM QPSK	217@0	77.443	79.96
n77	30	80	632668	3490.02	CP-OFDM 16 QAM	217@0	77.54	80.22
n77	30	80	632668	3490.02	CP-OFDM 64 QAM	217@0	77.363	80.08
n77	30	80	632668	3490.02	CP-OFDM 256 QAM	217@0	77.413	80.12
n77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	76.952	79.61
n77	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	76.872	79.64
n77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	216@0	77.176	79.7
n77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	216@0	77.139	79.74
n77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	216@0	77.041	79.62
n77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.555	80.32

n77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.357	80.25
n77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.393	80.27
n77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.295	80.14
n77	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	216@0	76.934	79.55
n77	30	80	634000	3510.0	DFT-s-OFDM QPSK	216@0	77.041	79.62
n77	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	216@0	77.421	79.48
n77	30	80	634000	3510.0	DFT-s-OFDM 64 QAM	216@0	77.044	79.93
n77	30	80	634000	3510.0	DFT-s-OFDM 256 QAM	216@0	76.949	79.97
n77	30	80	634000	3510.0	CP-OFDM QPSK	217@0	77.498	80.16
n77	30	80	634000	3510.0	CP-OFDM 16 QAM	217@0	77.185	80.05
n77	30	80	634000	3510.0	CP-OFDM 64 QAM	217@0	77.269	79.99
n77	30	80	634000	3510.0	CP-OFDM 256 QAM	217@0	77.423	80.01
n77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	96.317	99.49
n77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	96.388	99.68
n77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	270@0	96.27	99.51
n77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	270@0	96.39	99.35
n77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	270@0	96.087	99.78
n77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.135	100.6
n77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.551	100.5
n77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.271	100.4
n77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.296	100.5

n5(5M)_DFT-s-OFDM_
PI_2-BPSK_Outer_Full_Low_CH



n5(5M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH



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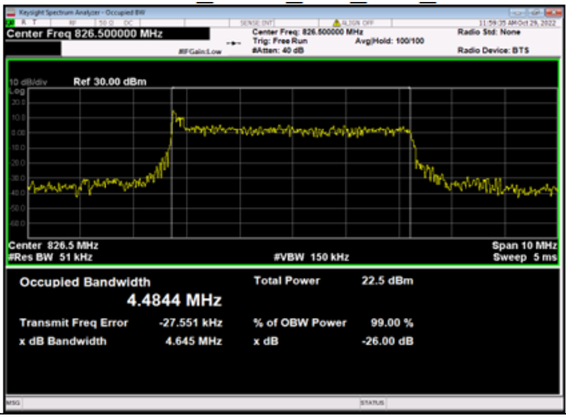
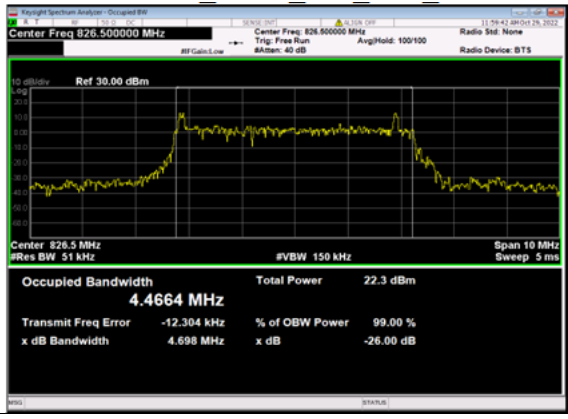
16 QAM_Outer_Full_Low_CH



n5(5M)_DFT-s-OFDM_
64 QAM_Outer_Full_Low_CH



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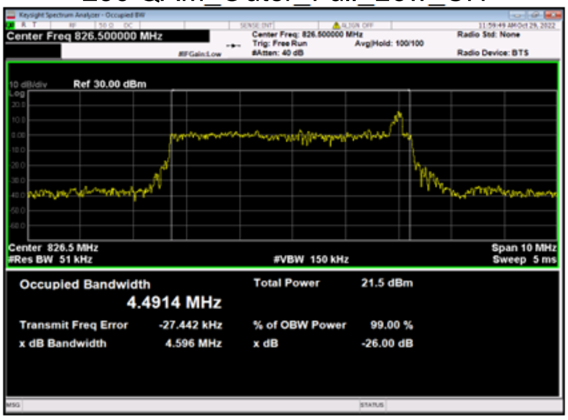
256 QAM_Outer_Full_Low_CH



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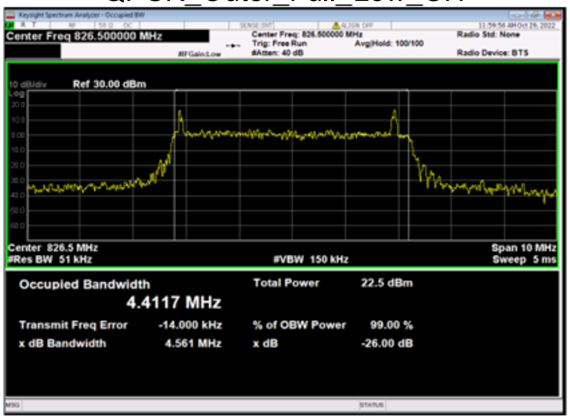

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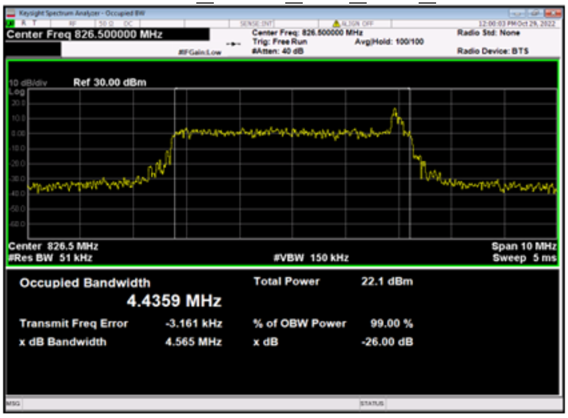
16 QAM_Outer_Full_Low_CH



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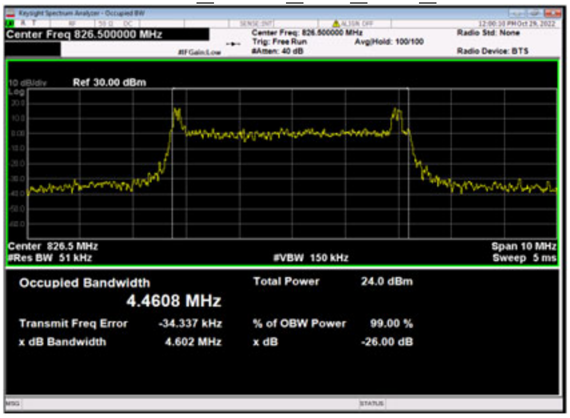
64 QAM_Outer_Full_Low_CH



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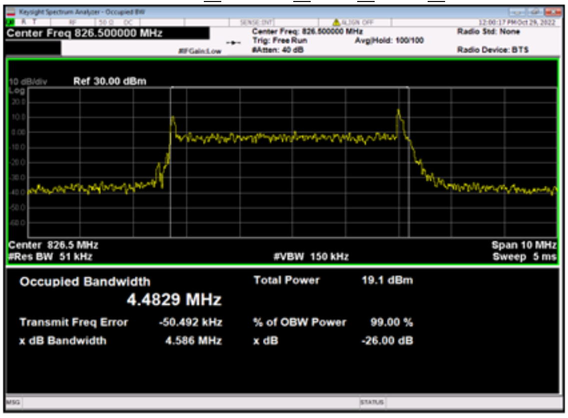
256 QAM_Outer_Full_Low_CH



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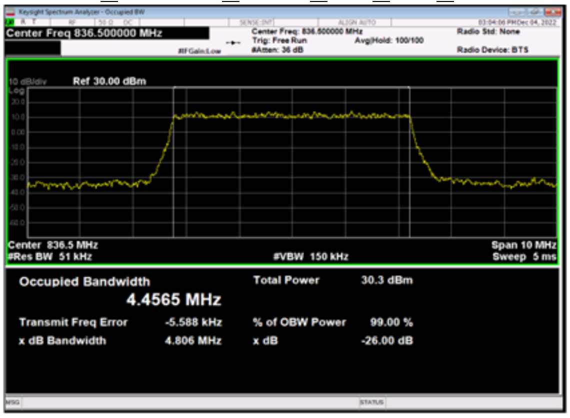
PI_2-BPSK_Outer_Full_Mid_CH



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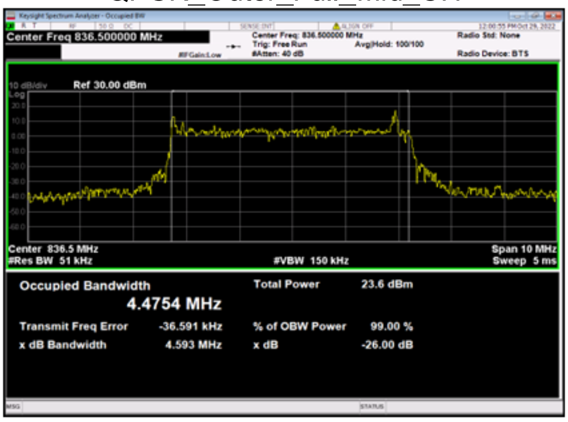
QPSK_Outer_Full_Mid_CH



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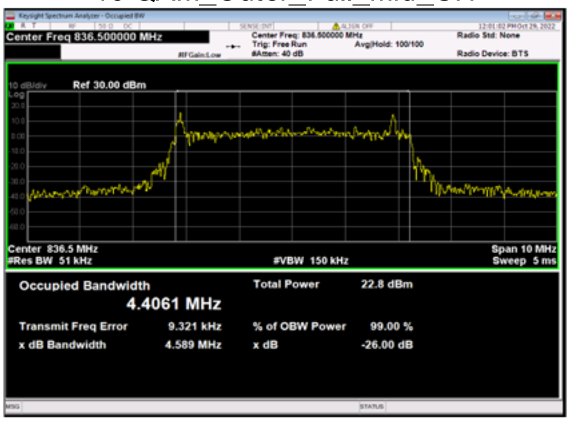
16 QAM_Outer_Full_Mid_CH



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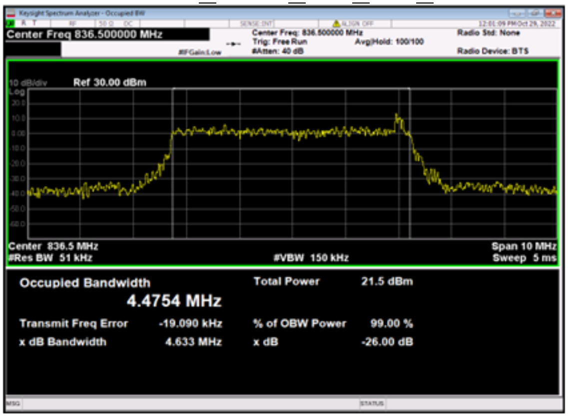
64 QAM_Outer_Full_Mid_CH



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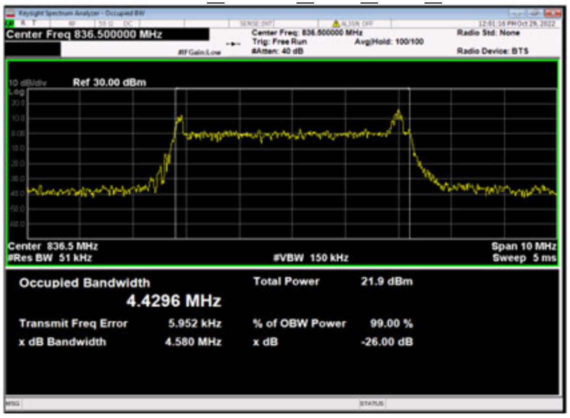
256 QAM_Outer_Full_Mid_CH



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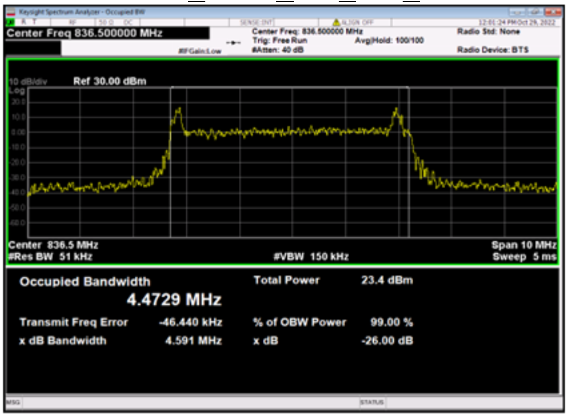
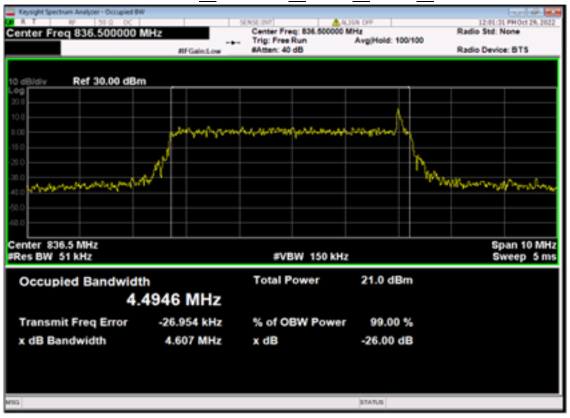
QPSK_Outer_Full_Mid_CH



n5(5M)_CP-OFDM_
16 QAM_Outer_Full_Mid_CH



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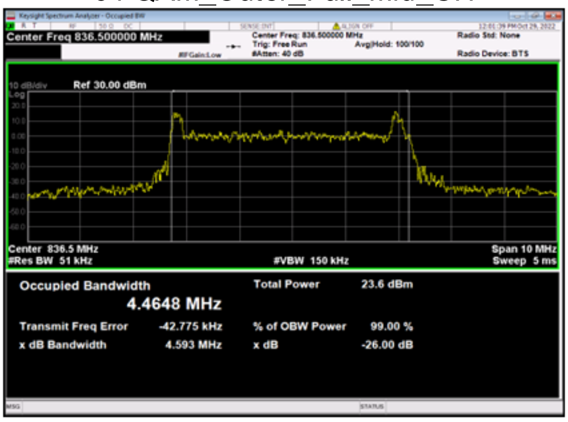
64 QAM_Outer_Full_Mid_CH



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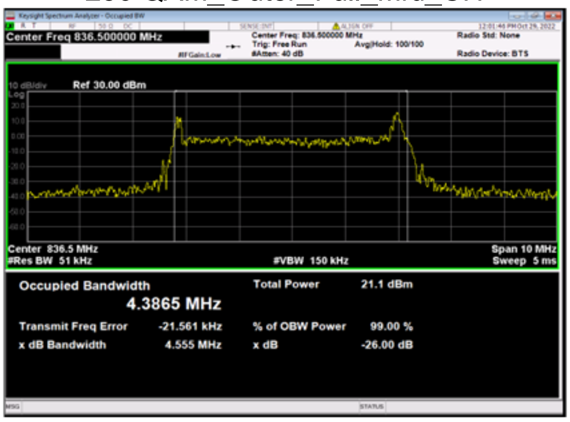
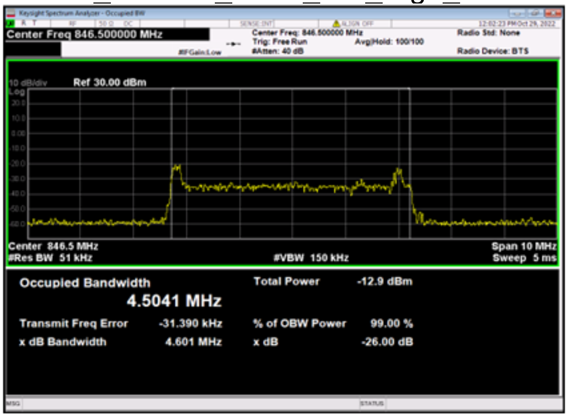
256 QAM_Outer_Full_Mid_CH



n5(5M)_DFT-s-OFDM_
PI_2-BPSK_Outer_Full_High_CH



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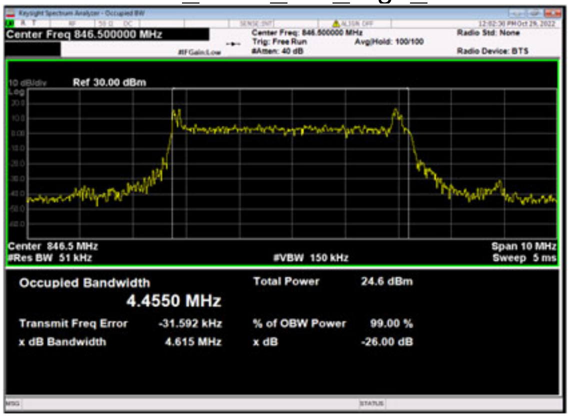
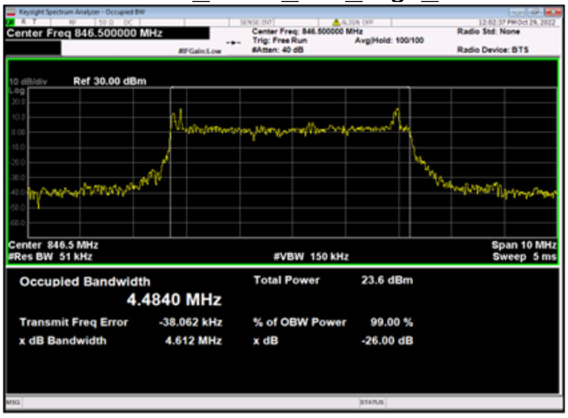
QPSK_Outer_Full_High_CH



n5(5M)_DFT-s-OFDM_
16 QAM_Outer_Full_High_CH



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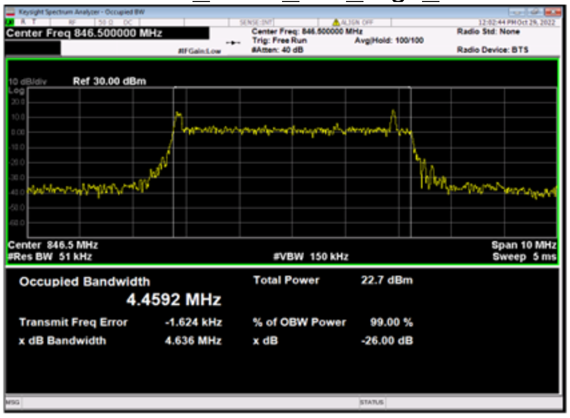
64 QAM_Outer_Full_High_CH



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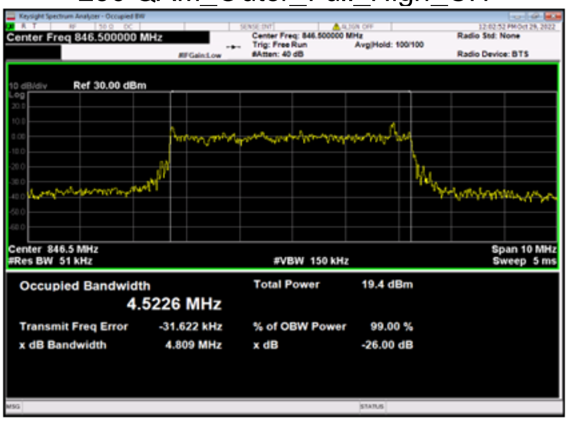
256 QAM_Outer_Full_High_CH



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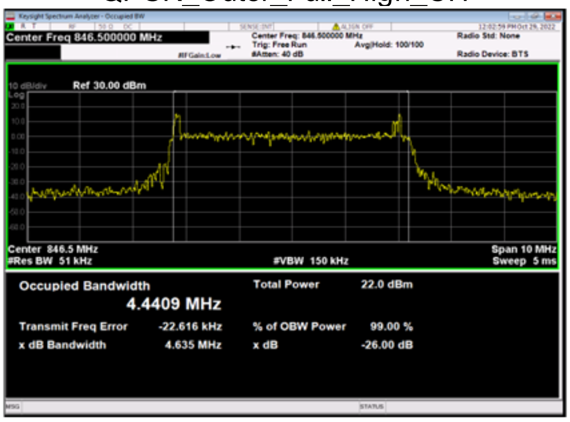
QPSK_Outer_Full_High_CH



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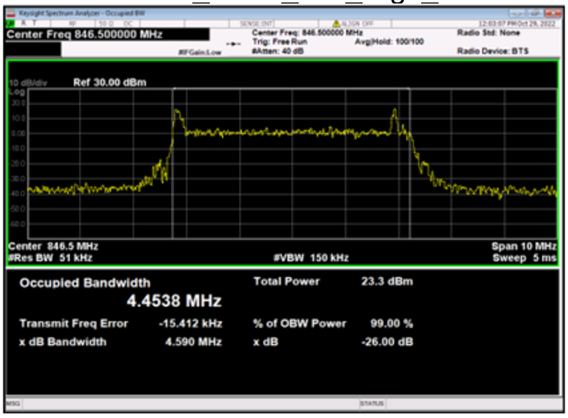
16 QAM_Outer_Full_High_CH



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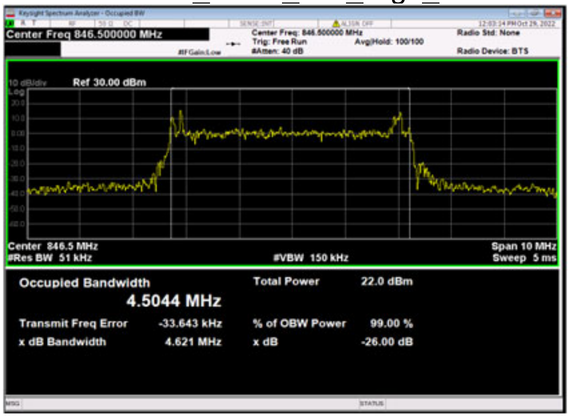
64 QAM_Outer_Full_High_CH



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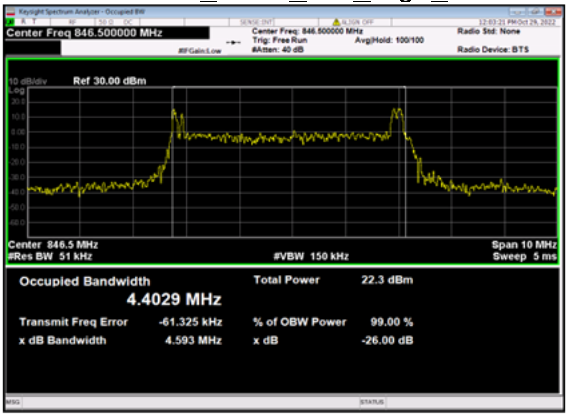
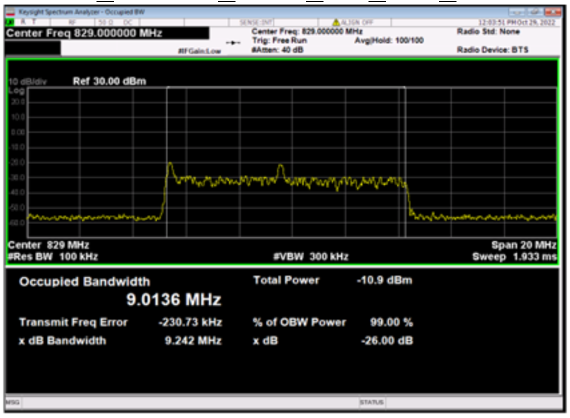
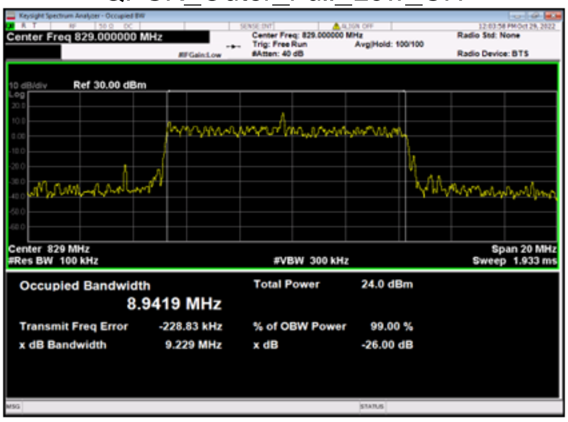
256 QAM_Outer_Full_High_CH



n5(10M)_DFT-s-OFDM_
PI_2-BPSK_Outer_Full_Low_CH



n5(10M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH



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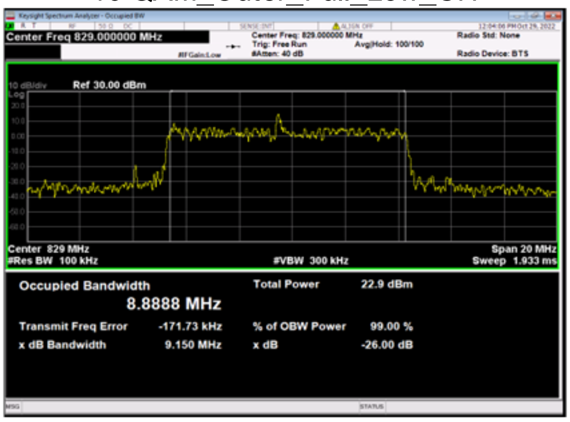
16 QAM_Outer_Full_Low_CH



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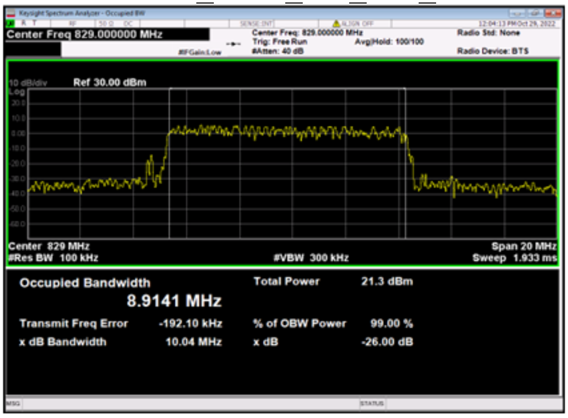
64 QAM_Outer_Full_Low_CH



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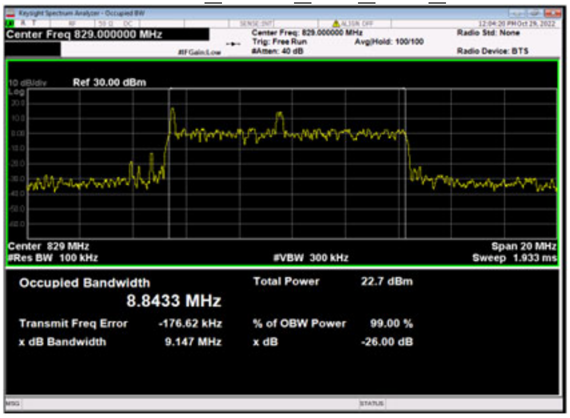
256 QAM_Outer_Full_Low_CH



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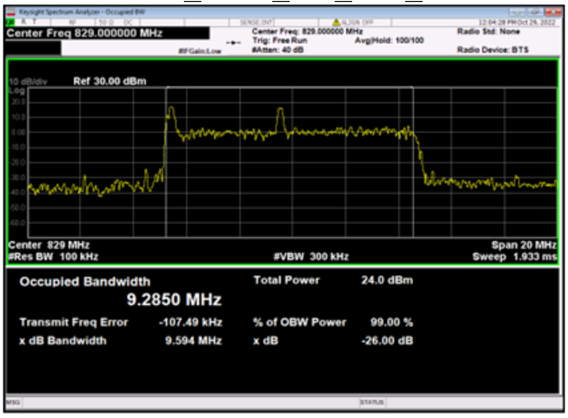
QPSK_Outer_Full_Low_CH



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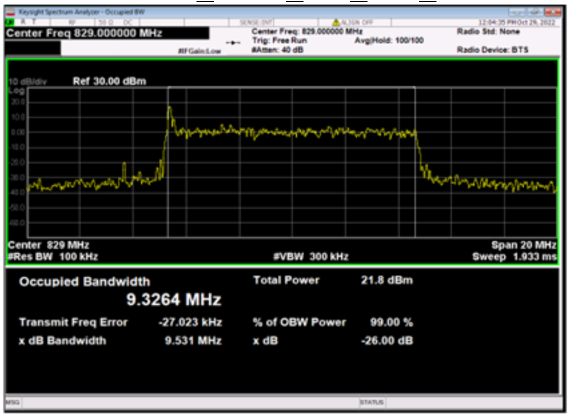
16 QAM_Outer_Full_Low_CH



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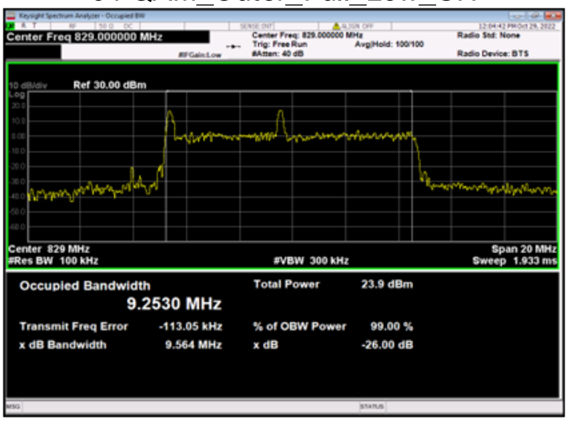
64 QAM_Outer_Full_Low_CH



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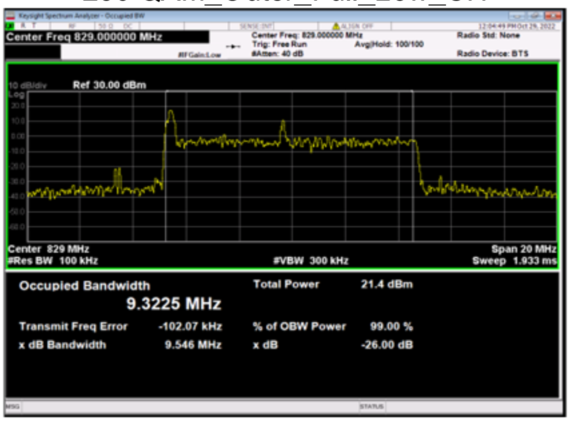
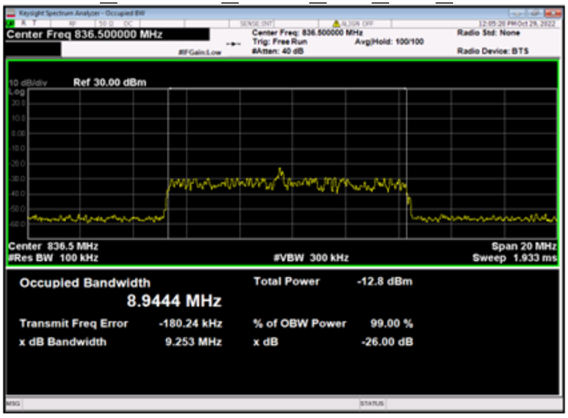
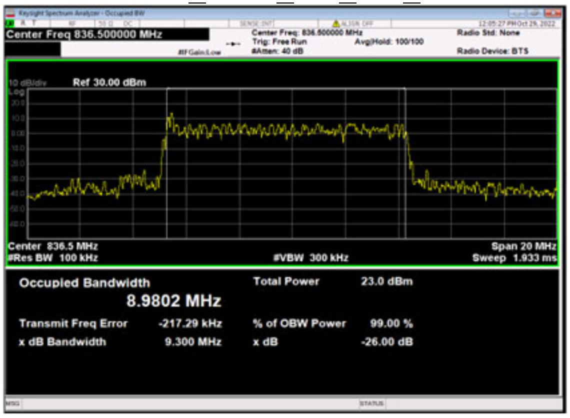
256 QAM_Outer_Full_Low_CH



n5(10M)_DFT-s-OFDM_ PI_2-BPSK_Outer_Full_Mid_CH	n5(10M)_DFT-s-OFDM_ QPSK_Outer_Full_Mid_CH
	
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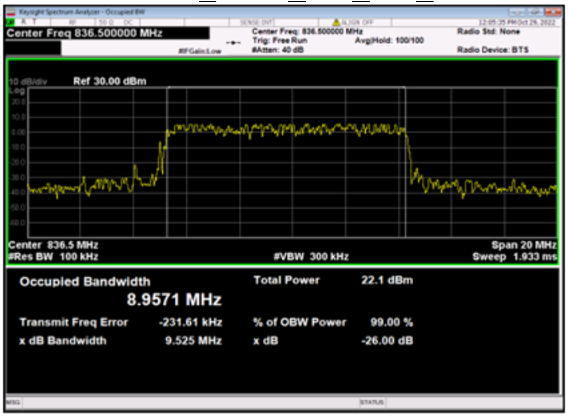	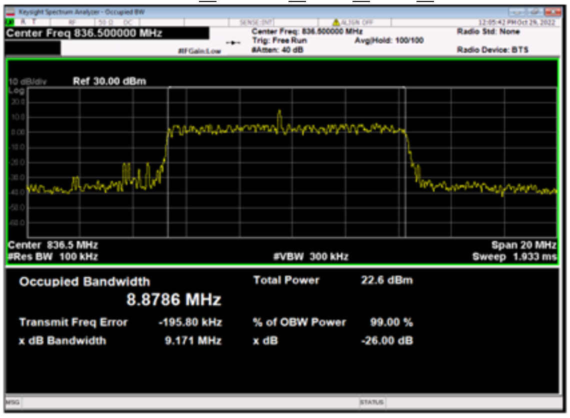
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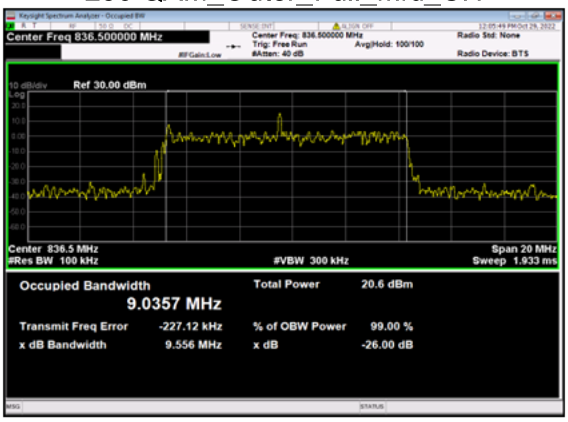	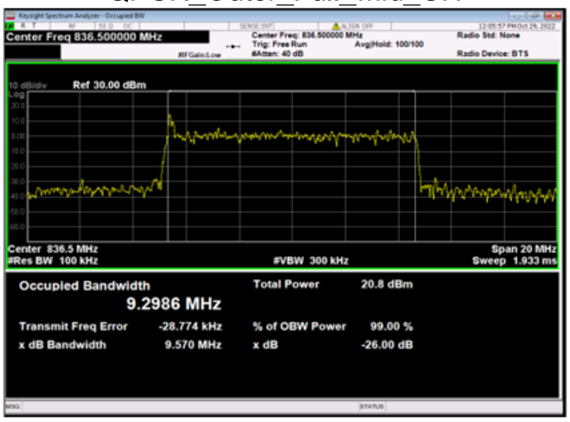

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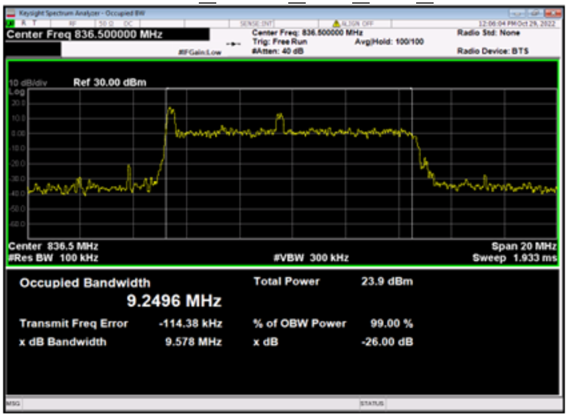

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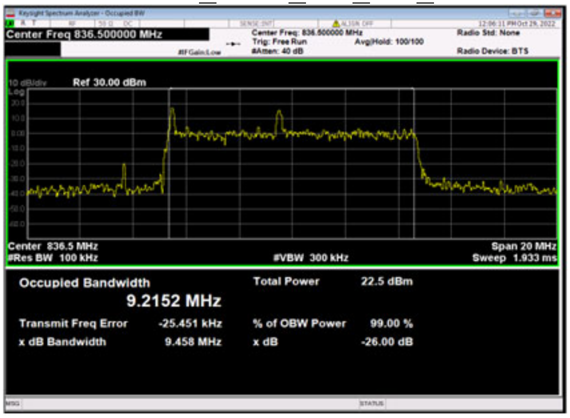

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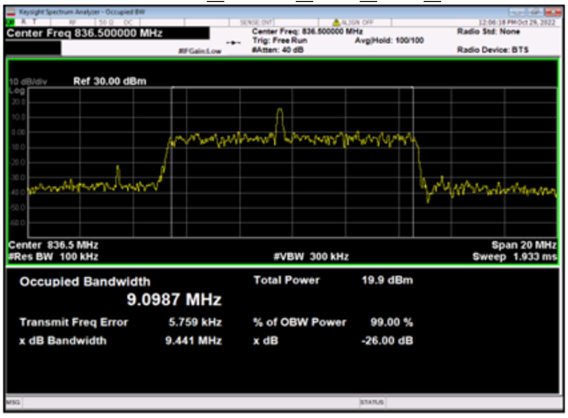

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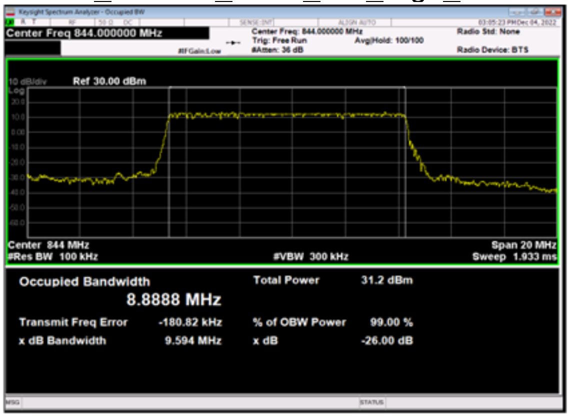

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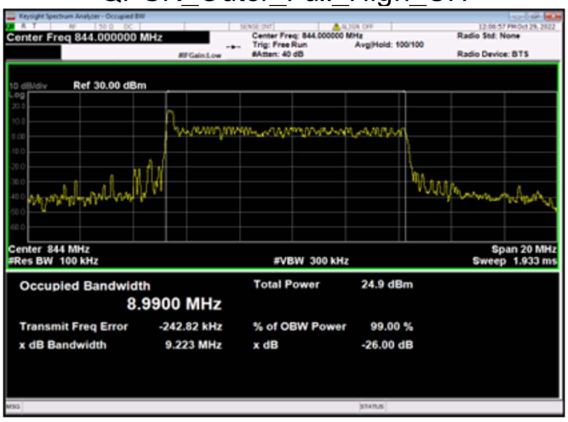

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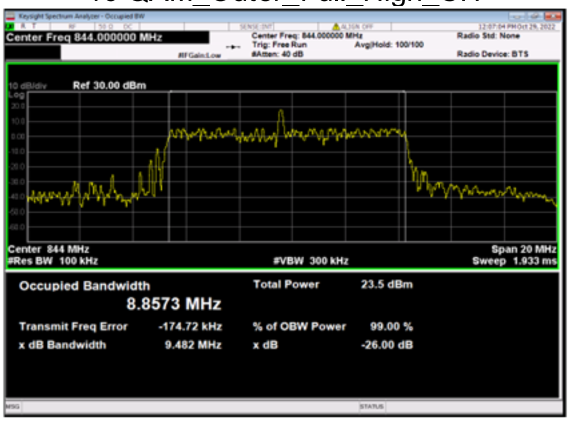

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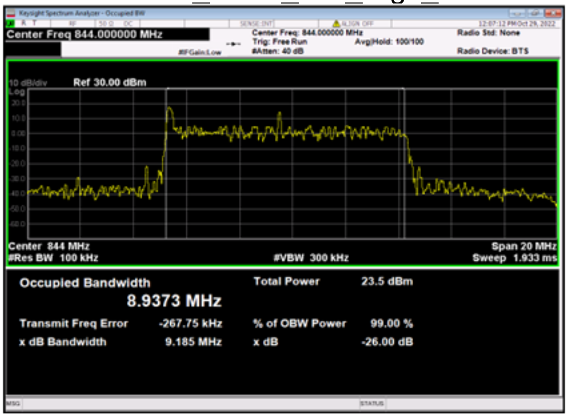

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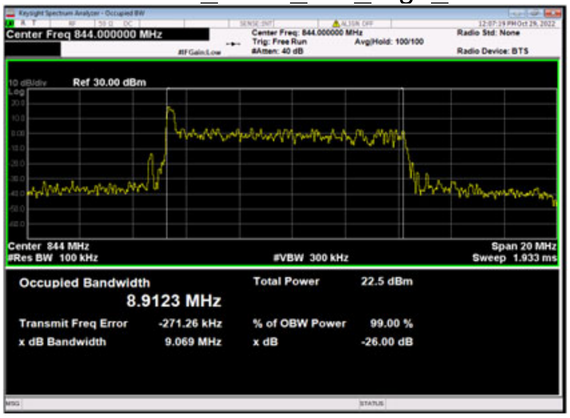

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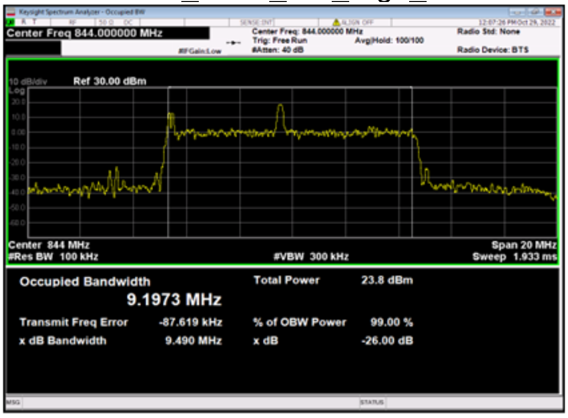

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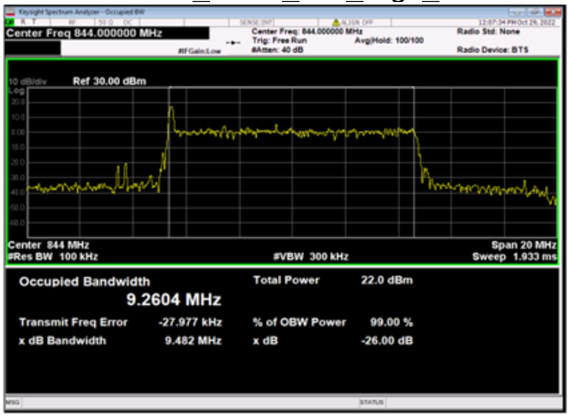

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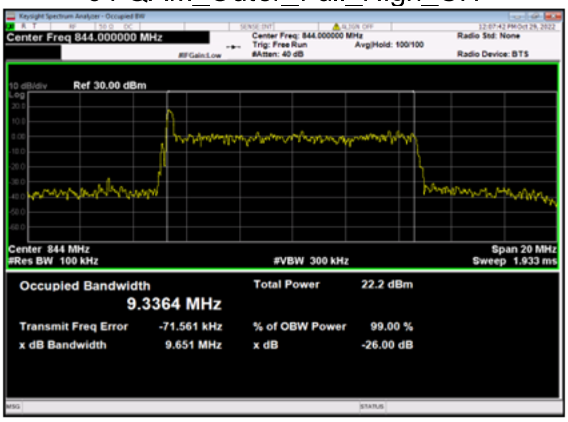

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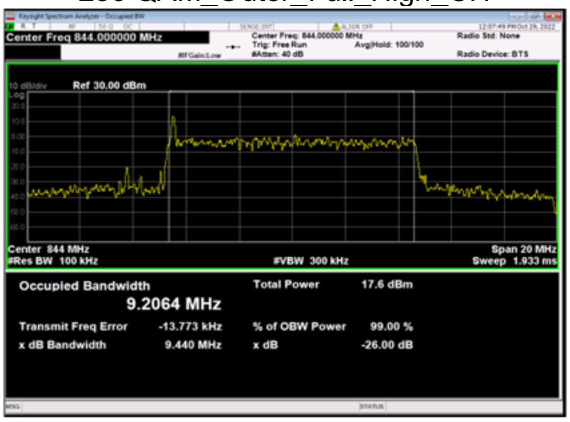

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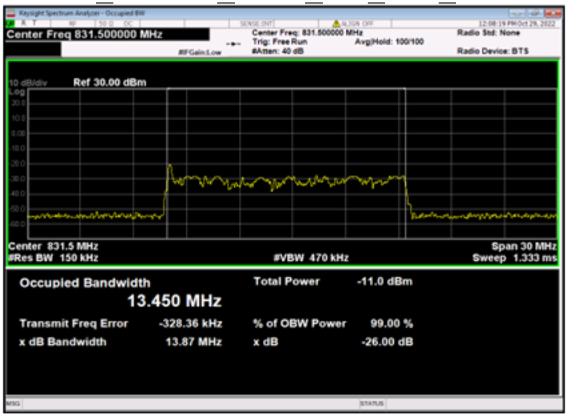

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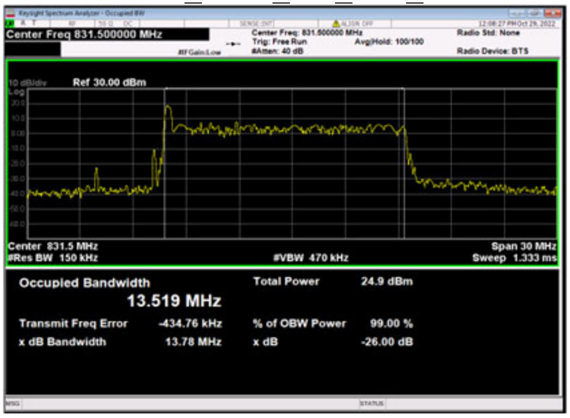

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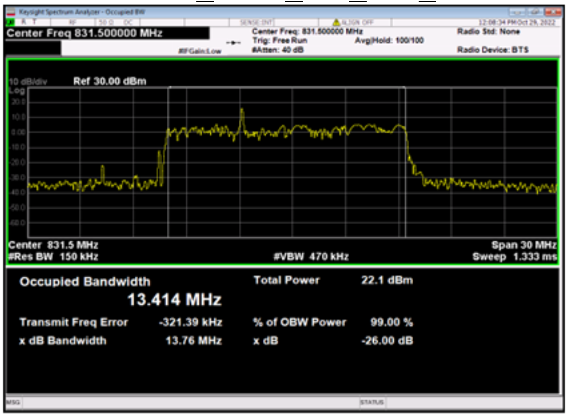

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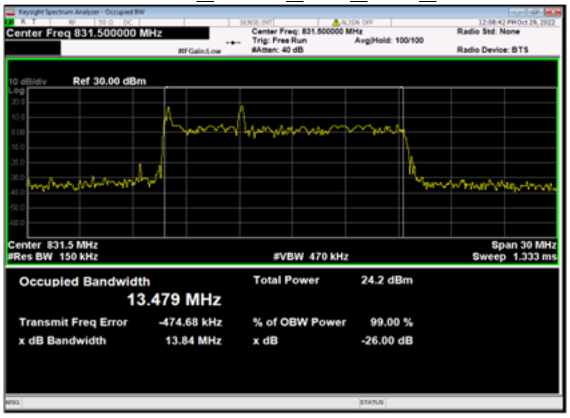

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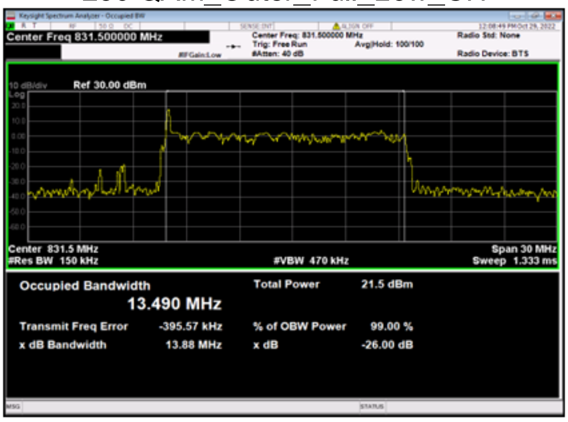

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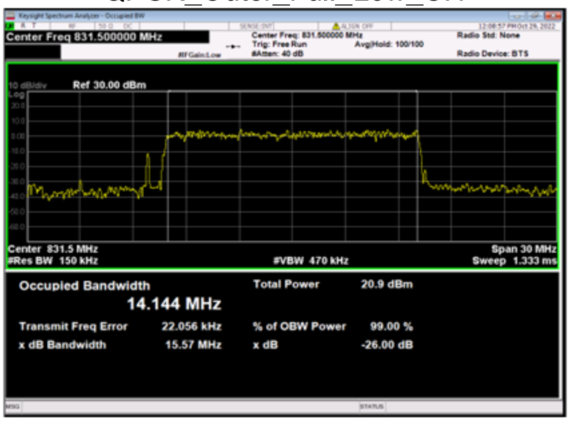

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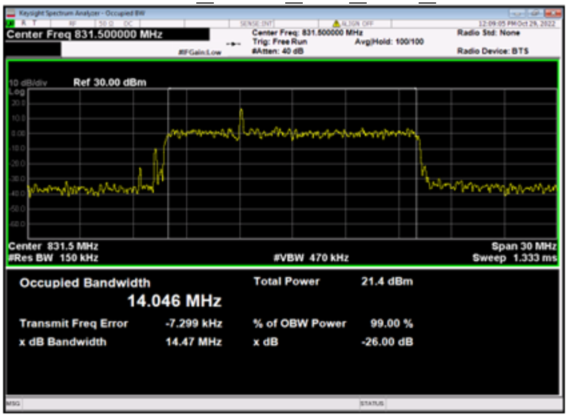
16 QAM_Outer_Full_Low_CH



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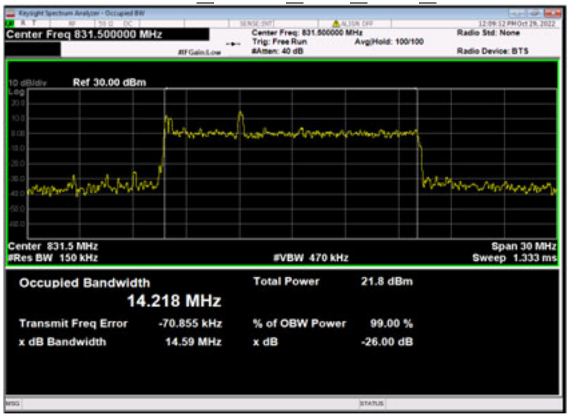

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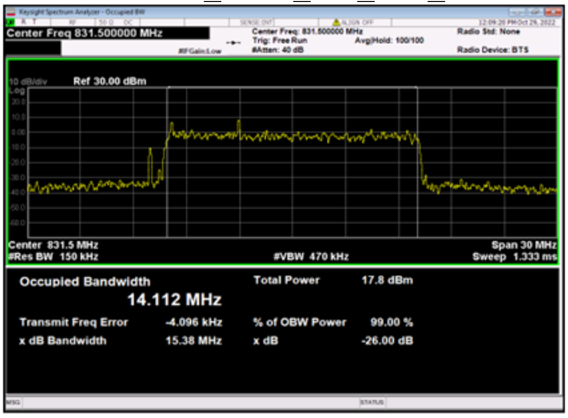

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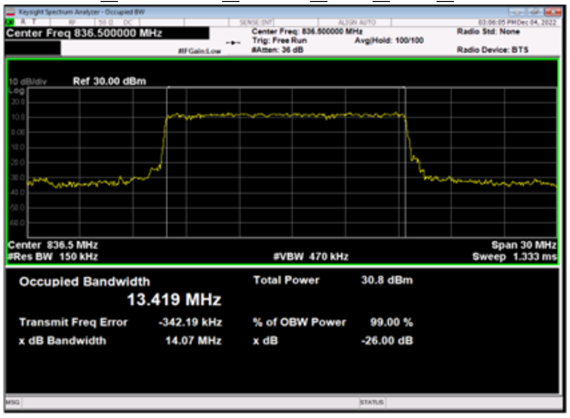

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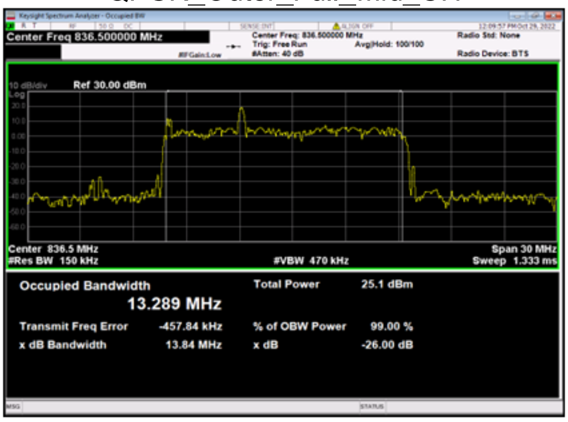

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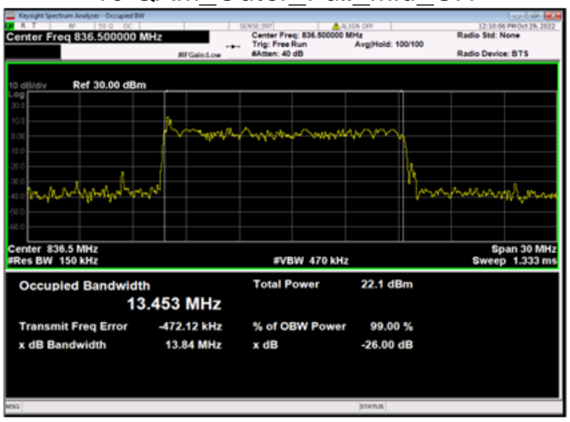
16 QAM_Outer_Full_Mid_CH



Shenzhen Morlab Communication Technology Co., Ltd.
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Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China
Tel: 86-755-36698555 Fax: 86-755-36698525
Http://www.morlab.cn E-mail: service@morlab.cn

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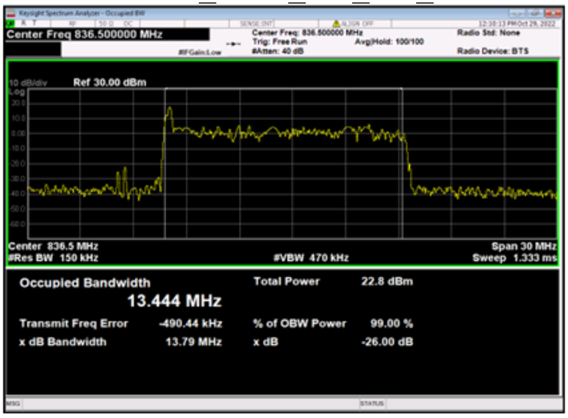
64 QAM_Outer_Full_Mid_CH



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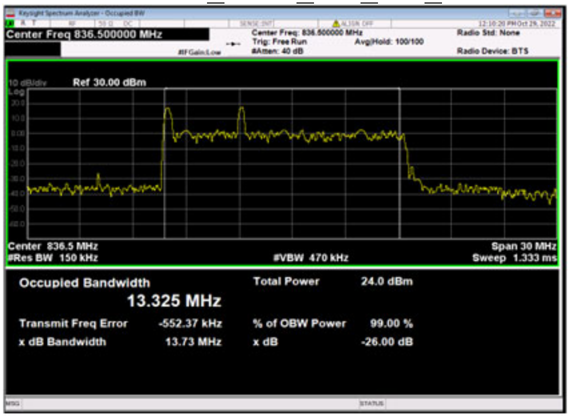

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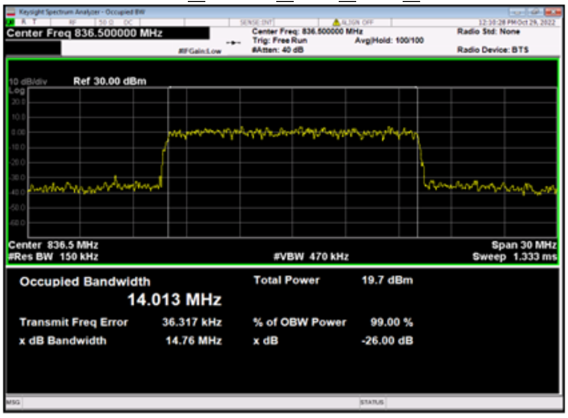

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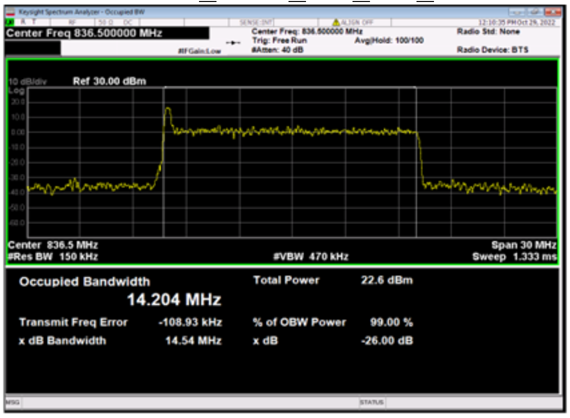

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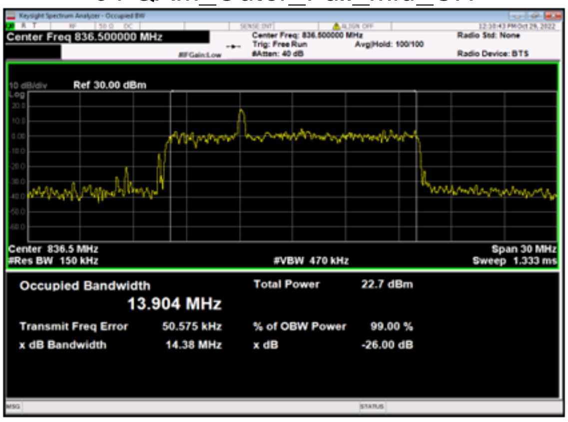

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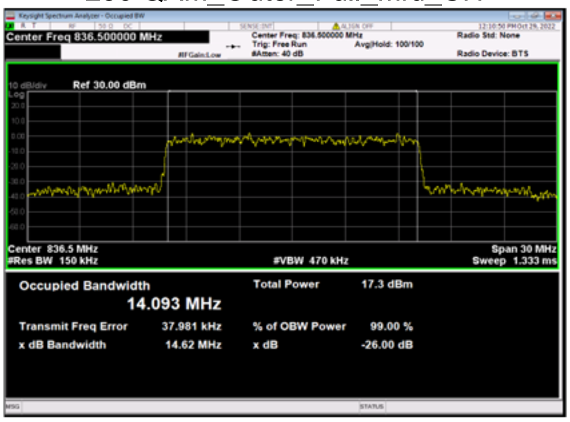

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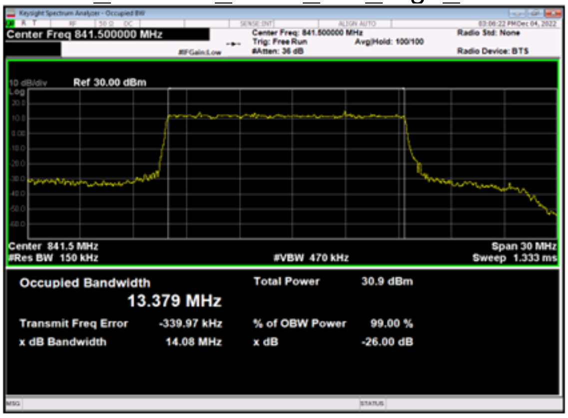

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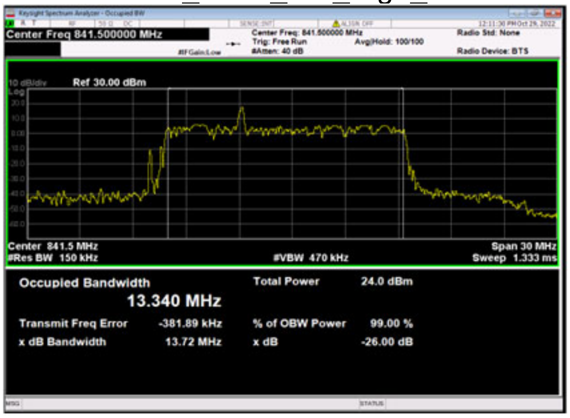

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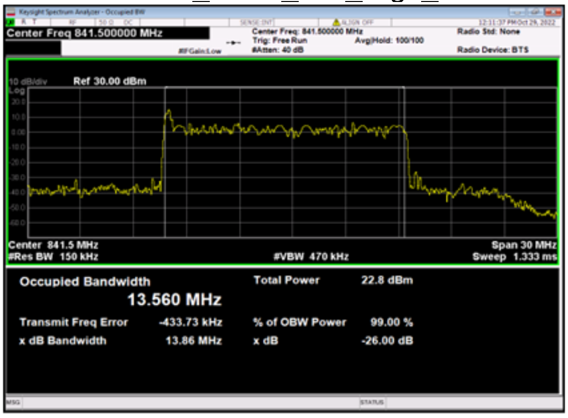

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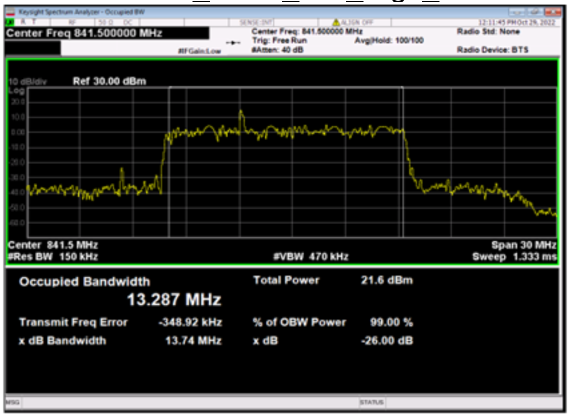

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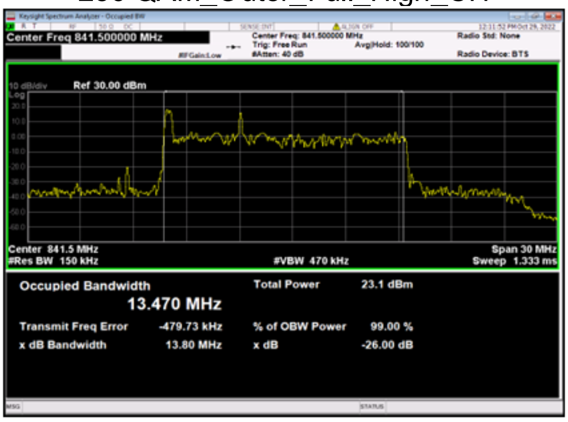

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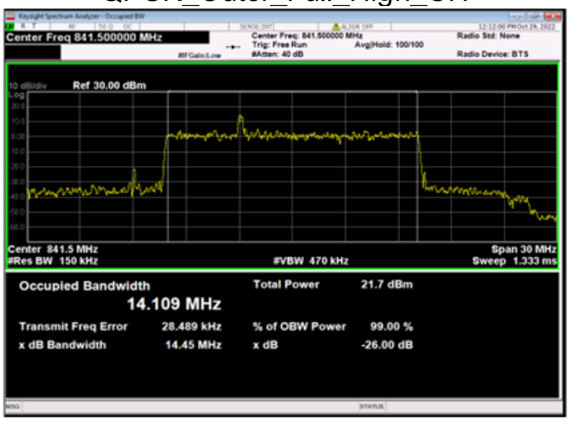

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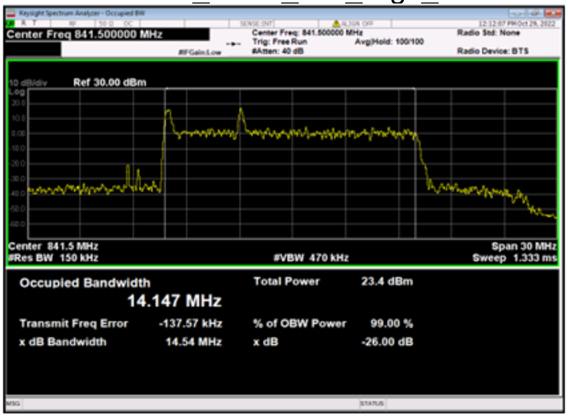

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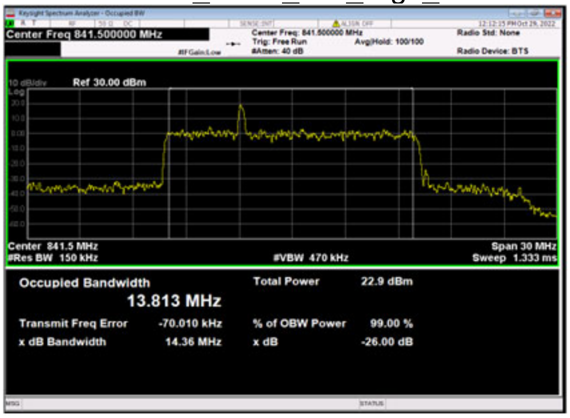

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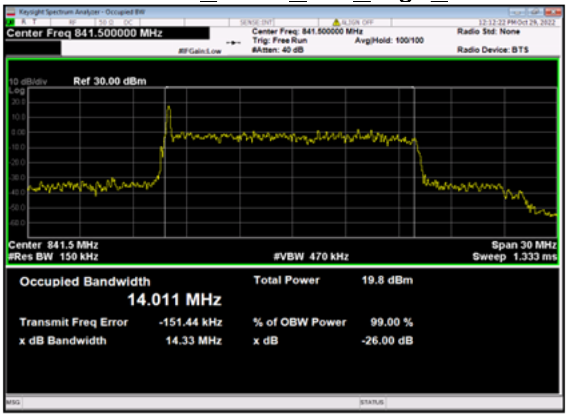

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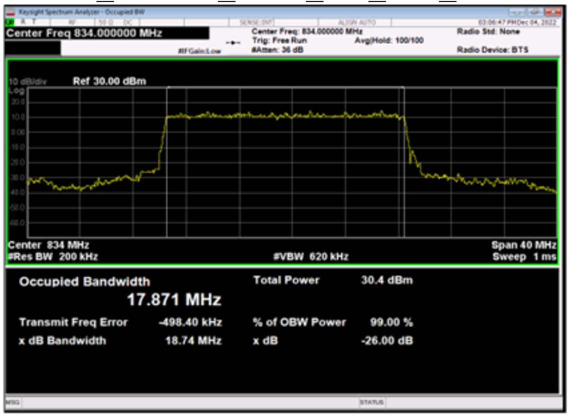

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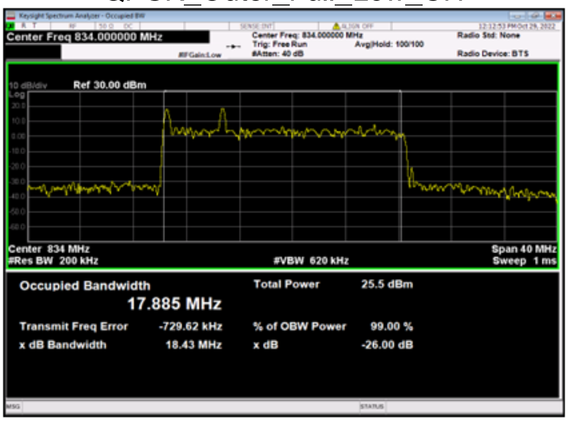

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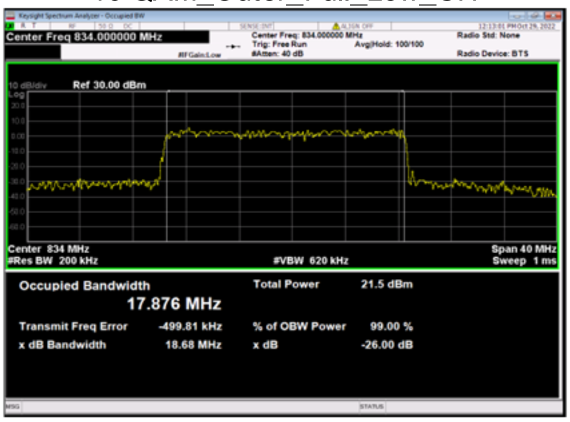

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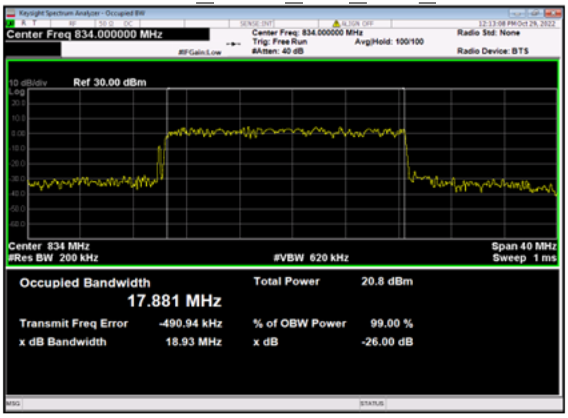

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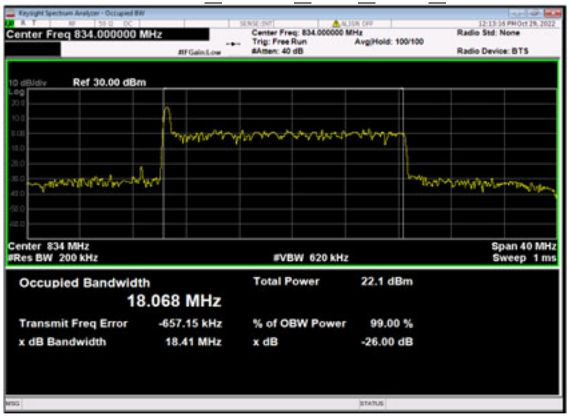

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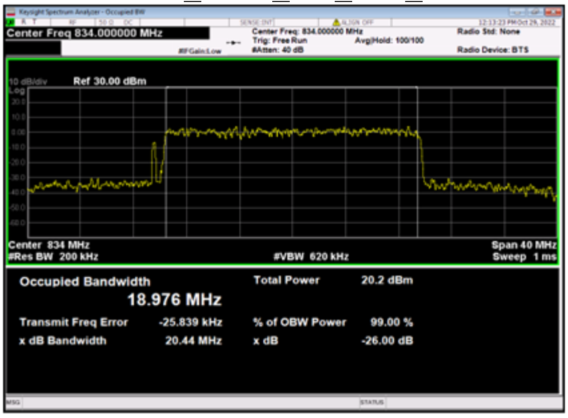

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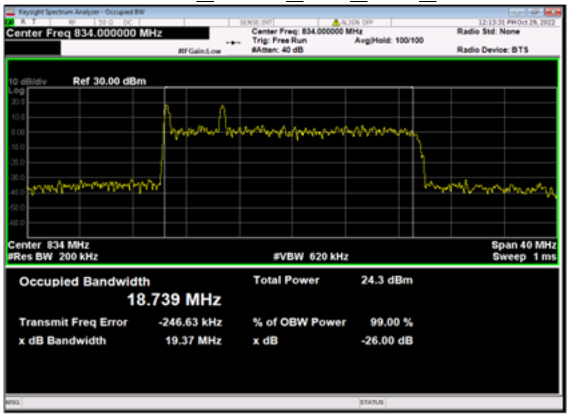

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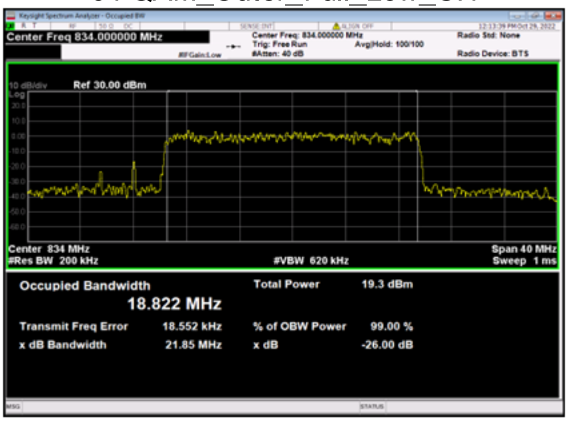

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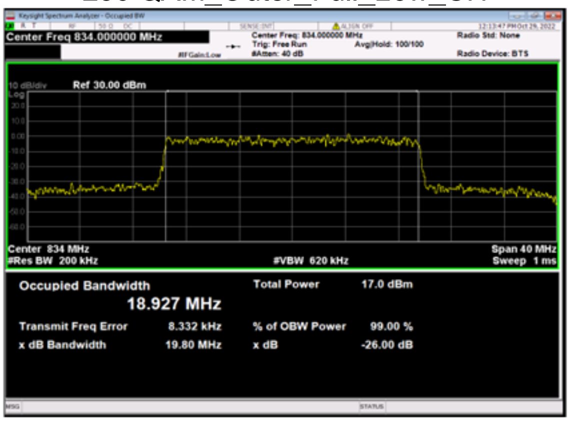

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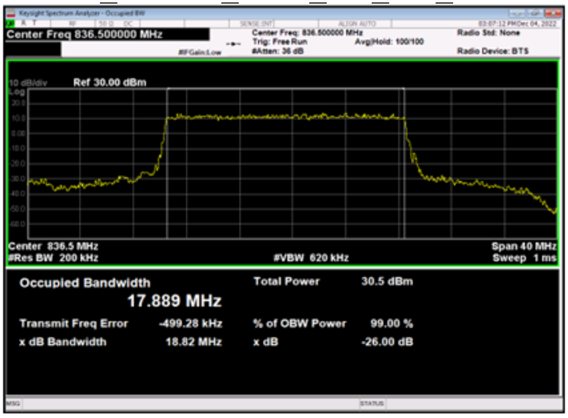

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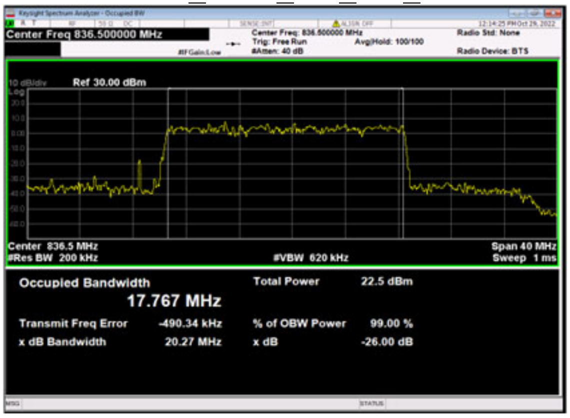

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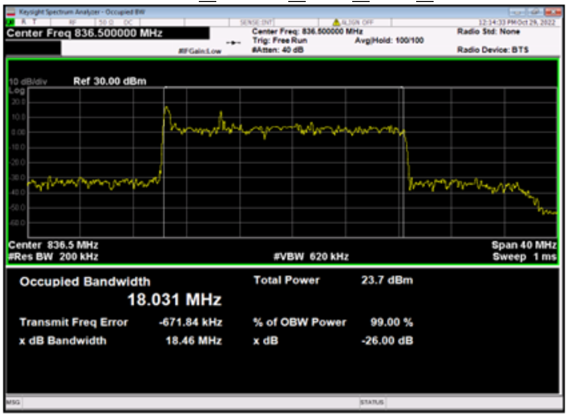

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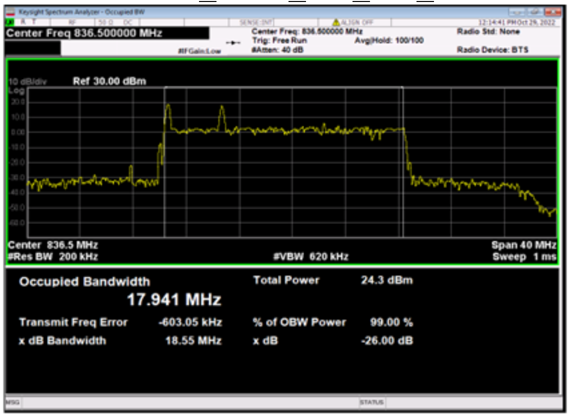

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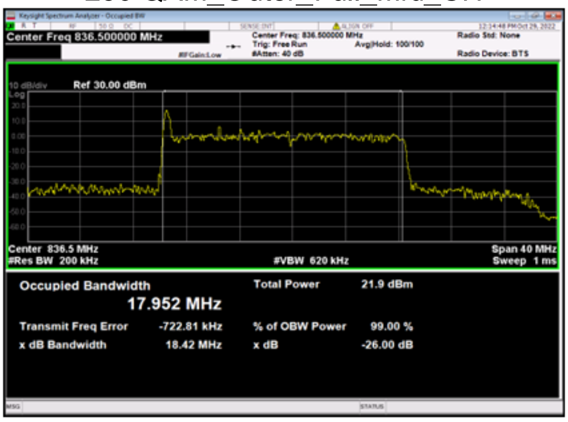

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