



REPORT No.: SZ21010176W05

TEST REPORT

APPLICANT : ZTE Corporation

PRODUCT NAME : WLAN Router

MODEL NAME : MC7010CA

BRAND NAME : ZTE

FCC ID : SRQ-MC7010CA

STANDARD(S) : 47 CFR Part 27, Subpart L& N

RECEIPT DATE : 2021-01-27

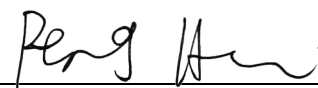
TEST DATE : 2021-01-28 to 2021-03-02

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Edited by:


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Change History		
Version	Date	Reason for change
1.0	2020-03-02	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	ZTE Corporation
Applicant Address:	ZTE Plaza, Keji Road South, Shenzhen, China.
Manufacturer:	ZTE Corporation
ManufacturerAddress:	ZTE Plaza, Keji Road South, Shenzhen, China.

1.2. Equipment Under Test (EUT) Description

Product Name:	WLAN Router	
Hardware Version:	MC7010CAHW1.0	
Software Version:	MC7010CAV1.1	
Modulation Type:	DFT-s-OFDM	PI/2 BPSK, QPSK, 16QAM, 64QAM,256QAM
	CP-OFDM	QPSK, 16QAM, 64QAM,256QAM
Operation Band:	B2_N66, B7_N71	
Frequency Range:	B2_N66	Tx: 1710MHz-1780MHz
		Rx: 2110MHz-2200MHz
	B7_N71	Tx: 663MHz-698MHz
		Rx: 617MHz-652MHz
Channel Bandwidth	B2_N66	5MHz, 10 MHz, 15 MHz, 20MHz
	B7_N71	5MHz, 10 MHz, 15 MHz, 20MHz
Antenna Type:	Fixed External	
Antenna Gain:	B2_N66	1.8 dBi
	B7_N71	0.6 dBi
Accessory Information:	AC Adapter 1	
	Brand Name:	ZTE
	Model No.:	POE-A4803
	Serial No.:	(N/A, marked #1 by test site)
	Rated Input:	100-240V~ 50/60HZ, 0.50A
	Rated Output:	48V=0.31A
	Manufacturer:	ZTE Corporation



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

Note 2: The product only supports EN-DC, according to the measured power of all frequency bands, The frequency band with the highest power was selected for the same NR frequency band for testing.



1.3. Maximum ERP/EIRP and Emission Designator

B2_N66	Maximum ERP/EIRP (W)								
	DFT-s-OFDM					CP-OFDM			
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20	0.333	0.330	0.331	0.283	0.142	0.309	0.262	0.184	0.089
15	0.338	0.328	0.336	0.233	0.143	0.292	0.261	0.183	0.089
10	0.359	0.344	0.334	0.239	0.151	0.301	0.270	0.186	0.094
5	0.348	0.340	0.344	0.245	0.151	0.318	0.270	0.186	0.094

B2_N66	Emission Designator (99%OBW)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
20	18M2G7D	18M3G7D	18M0W7D	18M1D7W	18M3D7W	19M2G7D
15	13M5G7D	13M7G7D	13M5W7D	13M7D7W	13M6D7W	14M4G7D
10	8M99G7D	9M14G7D	9M04W7D	9M09D7W	9M00D7W	9M32G7D
5	4M48G7D	4M53G7D	4M52W7D	4M53D7W	4M52D7W	4M56G7D



B5_N66	Maximum ERP/EIRP (W)								
	DFT-s-OFDM					CP-OFDM			
BW(MHz)	PI/2 BPSK	QPSK	16QA M	64QA M	256QA M	QPSK	16QAM	64QAM	256QAM
20	0.320	0.319	0.326	0.228	0.140	0.304	0.256	0.182	0.088
15	0.326	0.322	0.320	0.224	0.137	0.289	0.257	0.179	0.088
10	0.306	0.308	0.318	0.214	0.135	0.285	0.247	0.173	0.085
5	0.308	0.302	0.308	0.219	0.133	0.277	0.244	0.174	0.086

B7_N66	Maximum ERP/EIRP (W)								
	DFT-s-OFDM					CP-OFDM			
BW(MHz)	PI/2 BPSK	QPSK	16QA M	64QA M	256QA M	QPSK	16QAM	64QAM	256QAM
20	0.332	0.320	0.330	0.225	0.141	0.296	0.256	0.178	0.089
15	0.325	0.321	0.324	0.225	0.141	0.277	0.254	0.176	0.088
10	0.315	0.308	0.307	0.213	0.135	0.287	0.254	0.174	0.086
5	0.311	0.307	0.308	0.222	0.136	0.280	0.242	0.175	0.087

B12_N66	Maximum ERP/EIRP (W)								
	DFT-s-OFDM					CP-OFDM			
BW(MHz)	PI/2 BPSK	QPSK	16QA M	64QA M	256QA M	QPSK	16QAM	64QAM	256QAM
20	0.313	0.301	0.312	0.216	0.133	0.282	0.243	0.173	0.085
15	0.310	0.306	0.310	0.213	0.130	0.258	0.237	0.167	0.083
10	0.301	0.291	0.294	0.201	0.128	0.272	0.231	0.016	0.081
5	0.292	0.288	0.289	0.204	0.127	0.264	0.233	0.163	0.083



B13_N66	Maximum ERP/EIRP (W)								
	DFT-s-OFDM					CP-OFDM			
BW(MHz)	PI/2 BPSK	QPSK	16QA M	64QA M	256QA M	QPSK	16QAM	64QAM	256QAM
20	0.309	0.307	0.321	0.220	0.136	0.289	0.246	0.181	0.087
15	0.311	0.301	0.312	0.215	0.134	0.268	0.240	0.170	0.085
10	0.305	0.303	0.303	0.208	0.131	0.270	0.244	0.167	0.083
5	0.307	0.300	0.297	0.212	0.131	0.269	0.239	0.166	0.082

B30_N66	Maximum ERP/EIRP (W)								
	DFT-s-OFDM					CP-OFDM			
BW(MHz)	PI/2 BPSK	QPSK	16QA M	64QA M	256QA M	QPSK	16QAM	64QAM	256QAM
20	0.323	0.315	0.320	0.228	0.138	0.295	0.258	0.178	0.088
15	0.326	0.321	0.318	0.221	0.137	0.284	0.252	0.173	0.086
10	0.310	0.307	0.317	0.213	0.136	0.287	0.246	0.173	0.086
5	0.304	0.307	0.305	0.219	0.134	0.279	0.242	0.170	0.086

B2_N71	Maximum ERP/EIRP (W)								
	DFT-s-OFDM					CP-OFDM			
BW(MHz)	PI/2 BPSK	QPSK	16QA M	64QA M	256QA M	QPSK	16QAM	64QAM	256QAM
20	0.173	0.171	0.173	0.118	0.073	0.158	0.136	0.097	0.047
15	0.176	0.168	0.175	0.120	0.073	0.154	0.138	0.096	0.048
10	0.167	0.167	0.167	0.118	0.072	0.167	0.130	0.092	0.046
5	0.166	0.165	0.169	0.119	0.074	0.155	0.132	0.092	0.047



B7_N71	Maximum ERP/EIRP (W)								
	DFT-s-OFDM					CP-OFDM			
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20	0.178	0.178	0.179	0.127	0.078	0.163	0.142	0.100	0.051
15	0.179	0.176	0.179	0.126	0.077	0.163	0.143	0.097	0.051
10	0.179	0.179	0.178	0.122	0.077	0.163	0.143	0.097	0.051
5	0.181	0.172	0.173	0.124	0.076	0.162	0.137	0.097	0.050

B7_N71	Emission Designator (99%OBW)						
	DFT-s-OFDM					CP-OFDM	
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK	
20	18M2G7D	18M2G7D	18M2W7D	18M2D7W	18M3D7W	19M2G7D	
15	13M7G7D	13M6G7D	13M7W7D	13M6D7W	13M7D7W	14M4G7D	
10	9M11G7D	8M99G7D	9M06W7D	9M08D7W	9M09D7W	9M35G7D	
5	4M52G7D	4M52G7D	4M53W7D	4M50D7W	4M52D7W	4M51G7D	



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B66_N71	Maximum ERP/EIRP (W)								
	DFT-s-OFDM					CP-OFDM			
BW(MHz)	PI/2 BPSK	QPSK	16QA M	64QA M	256QA M	QPSK	16QAM	64QAM	256QAM
20	0.168	0.170	0.174	0.125	0.072	0.158	0.138	0.095	0.047
15	0.170	0.175	0.172	0.130	0.074	0.157	0.138	0.096	0.048
10	0.169	0.166	0.166	0.115	0.073	0.152	0.131	0.094	0.046
5	0.169	0.166	0.170	0.121	0.074	0.148	0.133	0.094	0.047



1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, 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
4	47 CFR Part 27	Miscellaneous Wireless Communications Services



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, 27.50(c)(10) 27.50(d)(4),27.50(h)(2) 27.50(a)(3)	Transmitter Conducted Output Power and ERP/EIRP	Jan 28, 2021 to Feb 6 2021	Tang Jinde Peng Xuewei	PASS	No deviation
2.1049	Occupied Bandwidth	Feb 8, 2021	Tang Jinde	PASS	No deviation
2.1055, 27.54	Frequency Stability	Feb 9 to 10, 2021	Tang Jinde	PASS	No deviation
27.50(d)(5)	Peak to Average Radio	Feb 22 to 24, 2021	Tang Jinde	PASS	No deviation
2.1051, 27.53(g)(h) 27.53(m)(4)(a)(4)	Conducted Spurious Emissions	Feb 17 to 20, 2021	Tang Jinde	PASS	No deviation
2.1051, 27.53(g)(h) 27.53(m)(4)(a)(4)	Band Edge	Feb 17,2021	Tang Jinde	PASS	No deviation
2.1051,27.53(g)(h) 27.53(m)(4)(a)(4)	Radiated Spurious Emissions	Feb 25 ,2021	Peng Xuewei	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 equipments. The ref offset 26.5dB contains two parts that cable loss 16.5dB and Attenuator 26dB.					



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 2,27L&N Requirements

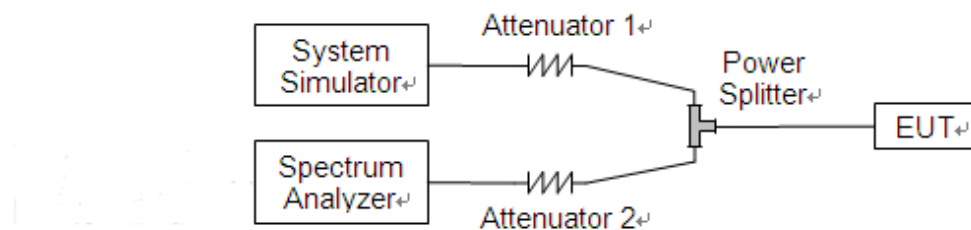
2.1. Transmitter Conducted Output Power And ERP/EIRP

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 27.50 (h) for NR Band n41, Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

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 50 Ohm; 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.

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

$ERP \text{ (dBm)} = EIRP \text{ (dBm)} - 2.15$

**2.1.4. Result****Conducted Output Power:****EN-DC_2A-N66**

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM PI/2 BPSK	1	1	22.23	22.84	22.94
20		1	104	22.68	23.39	23.42
20		50	25	22.72	23.05	23.40
20	DFT-s-OFDM QPSK	1	1	22.12	22.76	22.84
20		1	104	22.53	23.17	23.39
20		50	25	22.72	23.26	23.24
20	DFT-s-OFDM 16QAM	1	1	22.36	22.71	23.04
20		1	104	22.72	23.21	23.40
20		50	25	22.70	22.91	23.22
20	DFT-s-OFDM 64QAM	1	1	20.64	21.03	21.34
20		1	104	22.72	21.65	21.85
20		50	25	21.21	21.48	21.80
20	DFT-s-OFDM 256QAM	1	1	18.30	18.51	19.04
20		1	104	18.75	19.08	19.53
20		50	25	19.10	19.44	19.73
Channel				344000	349000	354000
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM PI/2 BPSK	1	1	22.20	22.77	23.06
15		1	77	22.58	23.35	23.49
15		36	18	22.49	22.57	22.74
15	DFT-s-OFDM QPSK	1	1	22.05	22.78	22.84
15		1	77	22.74	23.32	23.33
15		36	18	22.57	23.11	23.36
15	DFT-s-OFDM 16QAM	1	1	22.29	22.83	23.11
15		1	77	22.81	23.33	23.46
15		36	18	22.56	22.98	23.34
15	DFT-s-OFDM 64QAM	1	1	20.59	21.23	21.48
15		1	77	21.06	21.63	21.84
15		36	18	21.05	21.48	21.88



15	DFT-s-OFDM 256QAM	1	1	18.31	18.79	19.15
15		1	77	18.83	19.32	19.55
15		36	18	18.96	19.39	19.75
Channel				343000	349000	355000
Frequency (MHz)				1712.5	1745	1777.5
10	DFT-s-OFDM PI/2 BPSK	1	1	22.19	22.75	23.30
10		1	50	22.69	23.25	23.31
10		25	12	22.48	23.12	23.75
10	DFT-s-OFDM QPSK	1	1	22.20	22.84	23.28
10		1	50	22.63	23.27	23.25
10		25	12	22.49	23.01	23.56
10	DFT-s-OFDM 16QAM	1	1	22.22	22.91	23.37
10		1	50	22.75	23.27	23.24
10		25	12	22.39	22.97	23.44
10	DFT-s-OFDM 64QAM	1	1	20.60	21.25	21.56
10		1	50	21.09	21.57	21.77
10		25	12	20.92	21.45	21.98
10	DFT-s-OFDM 256QAM	1	1	18.32	18.89	19.41
10		1	50	18.79	19.35	19.53
10		25	12	18.92	19.47	19.99
Channel				342500	34900	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM PI/2 BPSK	1	1	22.21	22.87	23.58
5		1	23	22.40	23.16	23.39
5		12	6	22.38	23.14	23.62
5	DFT-s-OFDM QPSK	1	1	22.06	22.85	23.50
5		1	23	22.25	23.04	23.19
5		12	6	22.29	23.02	23.51
5	DFT-s-OFDM 16QAM	1	1	22.32	23.00	23.56
5		1	23	22.40	23.18	23.33
5		12	6	22.14	23.05	23.38
5	DFT-s-OFDM 64QAM	1	1	20.59	21.31	21.92
5		1	23	20.82	21.52	21.80
5		12	6	20.85	21.58	22.09
5	DFT-s-OFDM 256QAM	1	1	18.27	19.05	19.46
5		1	23	18.49	19.19	19.34
5		12	6	18.72	19.50	20.00


EN-DC_2A-N66

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1720	1745	1770
20	CP-OFDM QPSK	1	1	21.79	22.11	22.81
20		1	104	22.39	22.92	23.10
20		53	26	22.18	22.62	22.73
20	CP-OFDM 16QAM	1	1	21.30	21.60	22.00
20		1	104	21.69	22.30	22.38
20		53	26	21.61	22.05	22.25
20	CP-OFDM 64QAM	1	1	19.59	20.20	20.59
20		1	104	20.01	20.46	20.84
20		53	26	20.14	20.60	20.80
20	CP-OFDM 256QAM	1	1	16.38	16.74	17.18
20		1	104	16.70	17.36	17.48
20		53	26	17.16	17.47	17.71
Channel				344000	349000	354000
Frequency (MHz)				1717.5	1745	1772.5
15	CP-OFDM QPSK	1	1	21.60	22.20	22.71
15		1	77	22.01	22.79	22.86
15		39	191	20.37	20.97	21.23
15	CP-OFDM 16QAM	1	1	21.28	21.82	22.05
15		1	77	21.62	22.31	22.37
15		39	191	20.39	20.88	21.23
15	CP-OFDM 64QAM	1	1	19.59	20.05	20.36
15		1	77	20.02	20.56	20.83
15		39	191	19.81	20.32	20.73
15	CP-OFDM 256QAM	1	1	16.35	16.86	17.13
15		1	77	16.75	17.40	17.48
15		39	191	16.82	17.31	17.69
Channel				343000	349000	355000
Frequency (MHz)				1712.5	1745	1777.5
10	CP-OFDM QPSK	1	1	21.70	22.48	22.94
10		1	50	22.34	22.75	22.74
10		26	13	21.98	22.50	22.99
10	CP-OFDM	1	1	21.32	21.81	22.27



10	16QAM	1	50	21.78	22.29	22.49
10		26	13	21.52	22.05	22.52
10	CP-OFDM 64QAM	1	1	19.63	20.24	20.72
10		1	50	20.18	20.71	20.87
10		26	13	19.96	20.54	20.90
10	CP-OFDM 256QAM	1	1	16.40	17.02	17.33
10		1	50	16.89	17.40	17.52
10		26	13	16.87	17.49	17.95
Channel				342500	34900	355500
Frequency (MHz)				1712.5	1745	1777.5
5	CP-OFDM QPSK	1	1	21.60	22.32	23.22
5		1	23	21.79	22.84	22.99
5		13	6	21.69	22.68	22.87
5	CP-OFDM 16QAM	1	1	21.17	22.13	22.52
5		1	23	21.34	22.14	22.30
5		13	6	21.21	21.88	22.34
5	CP-OFDM 64QAM	1	1	19.60	20.47	20.90
5		1	23	19.75	20.74	20.74
5		13	6	19.82	20.58	20.88
5	CP-OFDM 256QAM	1	1	16.34	17.04	17.61
5		1	23	16.52	17.10	17.39
5		13	6	16.83	17.49	17.95

**EN-DC_5A-N66**

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM PI/2 BPSK	1	1	22.99	22.79	23.25
20		1	104	22.95	23.23	23.06
20		50	25	22.74	23.11	23.16
20	DFT-s-OFDM QPSK	1	1	22.94	22.89	23.24
20		1	104	22.81	23.18	23.12
20		50	25	22.89	23.12	23.24
20	DFT-s-OFDM 16QAM	1	1	22.98	22.93	23.31
20		1	104	22.85	23.33	23.16
20		50	25	22.82	23.17	23.21
20	DFT-s-OFDM 64QAM	1	1	21.35	21.26	21.57
20		1	104	21.33	21.76	21.51
20		50	25	21.40	21.60	21.77
20	DFT-s-OFDM 256QAM	1	1	19.00	19.05	19.43
20		1	104	18.76	19.41	19.28
20		50	25	19.21	19.57	19.65
Channel				344000	349000	354000
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM PI/2 BPSK	1	1	23.00	23.07	23.17
15		1	77	22.95	23.33	23.05
15		36	18	22.85	23.13	23.11
15	DFT-s-OFDM QPSK	1	1	22.84	22.92	23.08
15		1	77	22.74	23.28	23.06
15		36	18	22.92	23.05	23.09
15	DFT-s-OFDM 16QAM	1	1	23.02	22.97	23.24
15		1	77	22.88	23.25	23.11
15		36	18	22.81	23.07	23.13
15	DFT-s-OFDM 64QAM	1	1	21.36	21.39	21.57
15		1	77	21.15	21.64	21.51
15		36	18	21.40	21.65	21.70
15	DFT-s-OFDM 256QAM	1	1	18.99	19.14	19.39
15		1	77	18.98	19.45	19.26
15		36	18	19.30	19.49	19.58

Channel				343000	349000	355000
Frequency (MHz)				1712.5	1745	1777.5
10	DFT-s-OFDM PI/2 BPSK	1	1	22.78	22.80	22.95
10		1	50	22.76	23.03	22.90
10		25	12	22.86	23.03	23.06
10	DFT-s-OFDM QPSK	1	1	22.78	22.86	22.89
10		1	50	22.78	22.96	22.84
10		25	12	22.82	23.05	23.08
10	DFT-s-OFDM 16QAM	1	1	22.88	23.01	23.12
10		1	50	22.91	23.22	23.04
10		25	12	22.86	22.91	23.07
10	DFT-s-OFDM 64QAM	1	1	21.22	21.36	21.41
10		1	50	21.19	21.50	21.41
10		25	12	21.30	21.42	21.46
10	DFT-s-OFDM 256QAM	1	1	19.00	19.07	19.19
10		1	50	18.93	19.27	19.03
10		25	12	19.34	19.46	19.49
Channel				342500	34900	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM PI/2 BPSK	1	1	22.75	22.94	22.89
5		1	23	22.80	22.91	22.97
5		12	6	22.90	23.01	23.08
5	DFT-s-OFDM QPSK	1	1	22.79	22.83	22.85
5		1	23	22.80	23.00	22.94
5		12	6	22.83	23.00	23.00
5	DFT-s-OFDM 16QAM	1	1	22.83	22.99	23.08
5		1	23	22.82	23.07	22.94
5		12	6	22.76	22.88	22.83
5	DFT-s-OFDM 64QAM	1	1	21.19	21.25	21.35
5		1	23	21.25	21.52	21.34
5		12	6	21.45	21.57	21.61
5	DFT-s-OFDM 256QAM	1	1	18.96	19.13	19.08
5		1	23	18.96	19.17	19.16
5		12	6	19.35	19.51	19.45


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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1720	1745	1770
20	CP-OFDM QPSK	1	1	22.54	22.58	23.03
20		1	104	22.49	22.73	22.45
20		53	26	22.31	22.55	22.72
20	CP-OFDM 16QAM	1	1	22.01	21.78	22.25
20		1	104	21.87	22.28	21.90
20		53	26	21.80	22.08	22.20
20	CP-OFDM 64QAM	1	1	20.43	20.38	20.62
20		1	104	20.28	20.80	20.60
20		53	26	20.36	20.63	20.76
20	CP-OFDM 256QAM	1	1	17.13	17.09	17.46
20		1	104	17.01	17.37	17.22
20		53	26	17.31	17.59	17.63
Channel				344000	349000	354000
Frequency (MHz)				1717.5	1745	1772.5
15	CP-OFDM QPSK	1	1	22.39	22.35	22.81
15		1	77	22.11	22.78	22.44
15		39	19	20.96	21.05	21.22
15	CP-OFDM 16QAM	1	1	22.02	22.05	22.30
15		1	77	21.72	22.19	21.87
15		39	19	20.97	21.08	21.23
15	CP-OFDM 64QAM	1	1	20.35	20.36	20.55
15		1	77	20.24	20.74	20.38
15		39	19	20.42	20.59	20.65
15	CP-OFDM 256QAM	1	1	17.13	17.12	17.35
15		1	77	435000.00	17.39	17.31
15		39	19	17.37	17.50	17.66
Channel				343000	349000	355000
Frequency (MHz)				1712.5	1745	1777.5
10	CP-OFDM QPSK	1	1	22.29	22.56	22.70
10		1	50	22.40	22.75	22.34
10		26	13	22.39	22.60	22.52
10	CP-OFDM	1	1	21.91	21.96	22.12



10	16QAM	1	50	21.80	22.06	21.96
10		26	13	21.83	22.02	22.05
10	CP-OFDM 64QAM	1	1	20.30	20.35	20.58
10		1	50	20.26	20.52	20.49
10		26	13	20.37	20.53	20.54
10	CP-OFDM 256QAM	1	1	16.98	17.02	17.22
10		1	50	16.96	17.35	17.16
10		26	13	17.34	17.51	17.47
Channel				342500	34900	355500
Frequency (MHz)				1712.5	1745	1777.5
5	CP-OFDM QPSK	1	1	22.54	22.63	22.60
5		1	23	22.40	22.38	22.53
5		13	6	22.29	22.44	22.38
5	CP-OFDM 16QAM	1	1	21.99	22.04	22.08
5		1	23	21.71	21.97	21.92
5		13	6	21.78	21.89	21.93
5	CP-OFDM 64QAM	1	1	20.29	20.30	20.43
5		1	23	20.15	20.33	20.29
5		13	6	20.40	20.60	20.53
5	CP-OFDM 256QAM	1	1	16.96	17.13	17.21
5		1	23	16.98	17.14	17.07
5		13	6	17.41	17.54	17.50

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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM PI/2 BPSK	1	1	22.99	22.84	23.21
20		1	104	22.95	23.41	23.06
20		50	25	22.72	23.06	23.18
20	DFT-s-OFDM QPSK	1	1	22.96	22.75	23.13
20		1	104	22.89	23.25	22.96
20		50	25	22.90	23.15	23.19
20	DFT-s-OFDM 16QAM	1	1	23.04	22.93	23.38
20		1	104	23.01	23.30	23.14
20		50	25	22.87	23.12	23.18
20	DFT-s-OFDM 64QAM	1	1	21.41	21.25	21.68
20		1	104	21.33	21.73	21.54
20		50	25	21.33	21.69	21.72
20	DFT-s-OFDM 256QAM	1	1	19.19	19.03	19.42
20		1	104	18.97	19.42	19.25
20		50	25	19.31	19.55	19.69
Channel				344000	349000	354000
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM PI/2 BPSK	1	1	22.99	22.95	23.14
15		1	77	22.83	23.32	23.18
15		36	18	22.92	23.13	23.07
15	DFT-s-OFDM QPSK	1	1	22.99	22.86	23.12
15		1	77	22.83	23.26	23.10
15		36	18	22.89	23.10	23.21
15	DFT-s-OFDM 16QAM	1	1	22.92	23.04	23.26
15		1	77	22.89	23.31	23.11
15		36	18	22.90	23.13	23.12
15	DFT-s-OFDM 64QAM	1	1	21.33	21.43	21.64
15		1	77	21.23	21.73	21.51
15		36	18	21.45	21.59	21.65
15	DFT-s-OFDM 256QAM	1	1	18.94	19.12	19.35
15		1	77	18.79	19.42	19.30
15		36	18	19.35	19.54	19.68



Channel				343000	349000	355000
Frequency (MHz)				1712.5	1745	1777.5
10	DFT-s-OFDM PI/2 BPSK	1	1	22.83	23.02	23.10
10		1	50	22.72	23.10	23.07
10		25	12	22.82	23.18	23.09
10	DFT-s-OFDM QPSK	1	1	22.77	22.84	23.05
10		1	50	22.70	23.06	22.81
10		25	12	22.88	23.05	23.09
10	DFT-s-OFDM 16QAM	1	1	22.98	22.95	23.07
10		1	50	22.84	23.07	23.02
10		25	12	22.81	22.97	22.94
10	DFT-s-OFDM 64QAM	1	1	21.20	21.31	21.41
10		1	50	21.20	21.45	21.40
10		25	12	21.31	21.48	21.47
10	DFT-s-OFDM 256QAM	1	1	19.04	19.02	19.18
10		1	50	18.90	19.23	19.03
10		25	12	19.27	19.51	19.51
Channel				342500	34900	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM PI/2 BPSK	1	1	22.88	22.89	22.90
5		1	23	22.81	22.96	22.88
5		12	6	22.82	23.03	23.13
5	DFT-s-OFDM QPSK	1	1	22.81	22.85	22.93
5		1	23	22.71	22.92	22.81
5		12	6	22.93	23.02	23.07
5	DFT-s-OFDM 16QAM	1	1	22.93	23.01	23.05
5		1	23	22.84	23.08	23.01
5		12	6	22.96	22.88	23.01
5	DFT-s-OFDM 64QAM	1	1	21.21	21.37	21.39
5		1	23	21.29	21.50	21.40
5		12	6	21.49	21.67	21.66
5	DFT-s-OFDM 256QAM	1	1	19.07	19.00	19.20
5		1	23	19.05	19.10	19.04
5		12	6	19.34	19.53	19.48


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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1720	1745	1770
20	CP-OFDM QPSK	1	1	22.66	22.56	22.92
20		1	104	22.53	22.66	22.40
20		53	26	22.27	22.60	22.67
20	CP-OFDM 16QAM	1	1	22.14	21.88	22.29
20		1	104	21.98	22.22	21.80
20		53	26	21.80	22.06	22.22
20	CP-OFDM 64QAM	1	1	20.56	20.39	20.69
20		1	104	20.43	20.68	20.64
20		53	26	20.34	20.63	20.71
20	CP-OFDM 256QAM	1	1	17.22	17.02	17.39
20		1	104	16.99	17.40	17.25
20		53	26	17.30	17.64	17.67
Channel				344000	349000	354000
Frequency (MHz)				1717.5	1745	1772.5
15	CP-OFDM QPSK	1	1	22.53	22.58	22.63
15		1	77	22.33	22.59	22.32
15		39	19	20.92	21.08	21.27
15	CP-OFDM 16QAM	1	1	22.07	22.07	22.24
15		1	77	21.77	22.24	21.75
15		39	19	21.04	21.10	21.29
15	CP-OFDM 64QAM	1	1	20.41	20.39	20.60
15		1	77	20.21	20.66	20.48
15		39	19	20.38	20.52	20.62
15	CP-OFDM 256QAM	1	1	17.11	17.16	17.44
15		1	77	16.96	17.51	17.30
15		39	19	17.43	17.53	17.65
Channel				343000	349000	355000
Frequency (MHz)				1712.5	1745	1777.5
10	CP-OFDM QPSK	1	1	22.52	22.32	22.51
10		1	50	22.15	22.78	22.50
10		26	13	22.30	22.57	22.63
10	CP-OFDM	1	1	21.95	21.91	22.24



10	16QAM	1	50	21.85	22.20	21.93
10		26	13	21.85	22.06	22.07
10	CP-OFDM 64QAM	1	1	20.34	20.39	20.60
10		1	50	20.20	20.59	20.52
10		26	13	20.38	20.54	20.54
10	CP-OFDM 256QAM	1	1	17.00	16.95	17.19
10		1	50	16.97	17.26	17.13
10		26	13	17.31	17.57	17.53
Channel				342500	34900	355500
Frequency (MHz)				1712.5	1745	1777.5
5	CP-OFDM QPSK	1	1	22.30	22.33	22.45
5		1	23	22.13	22.67	22.34
5		13	6	22.32	22.46	22.49
5	CP-OFDM 16QAM	1	1	22.01	22.03	22.04
5		1	23	21.76	21.97	21.93
5		13	6	21.80	22.01	21.92
5	CP-OFDM 64QAM	1	1	20.38	20.41	20.48
5		1	23	20.18	20.42	20.40
5		13	6	20.33	20.53	20.62
5	CP-OFDM 256QAM	1	1	16.99	17.18	17.19
5		1	23	16.92	17.19	17.06
5		13	6	17.43	17.60	17.58



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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM PI/2 BPSK	1	1	22.90	22.94	22.95
20		1	104	22.82	23.15	22.72
20		50	25	22.78	23.12	22.76
20	DFT-s-OFDM QPSK	1	1	22.79	22.67	22.90
20		1	104	22.82	22.97	22.53
20		50	25	22.86	22.99	22.78
20	DFT-s-OFDM 16QAM	1	1	23.01	22.87	23.03
20		1	104	22.92	23.14	22.68
20		50	25	22.77	22.96	22.76
20	DFT-s-OFDM 64QAM	1	1	21.28	21.12	21.33
20		1	104	21.24	21.39	21.09
20		50	25	21.36	21.55	21.32
20	DFT-s-OFDM 256QAM	1	1	18.99	18.90	19.09
20		1	104	18.96	19.18	18.87
20		50	25	19.24	19.43	19.29
Channel				344000	349000	354000
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM PI/2 BPSK	1	1	22.94	22.78	22.79
15		1	77	22.87	23.12	22.66
15		36	18	22.80	22.90	22.73
15	DFT-s-OFDM QPSK	1	1	22.74	22.90	22.81
15		1	77	22.68	23.06	22.70
15		36	18	22.79	22.94	22.76
15	DFT-s-OFDM 16QAM	1	1	22.94	22.91	22.86
15		1	77	22.82	23.12	22.64
15		36	18	22.80	22.87	22.75
15	DFT-s-OFDM 64QAM	1	1	21.26	21.20	21.26
15		1	77	21.11	21.48	21.10
15		36	18	21.26	21.42	21.28
15	DFT-s-OFDM 256QAM	1	1	18.98	19.03	18.95
15		1	77	18.87	19.22	18.77
15		36	18	19.26	19.33	19.15



Channel				343000	349000	355000
Frequency (MHz)				1712.5	1745	1777.5
10	DFT-s-OFDM PI/2 BPSK	1	1	22.69	22.81	22.66
10		1	50	22.62	22.91	22.52
10		25	12	22.94	22.98	22.57
10	DFT-s-OFDM QPSK	1	1	22.70	22.71	22.60
10		1	50	22.53	22.84	22.35
10		25	12	22.70	22.84	22.67
10	DFT-s-OFDM 16QAM	1	1	22.82	22.88	22.56
10		1	50	22.66	22.89	22.47
10		25	12	22.71	22.83	22.54
10	DFT-s-OFDM 64QAM	1	1	21.13	21.15	20.97
10		1	50	21.01	21.17	20.85
10		25	12	21.19	21.24	21.00
10	DFT-s-OFDM 256QAM	1	1	18.86	18.84	18.74
10		1	50	18.77	19.02	18.56
10		25	12	19.20	19.26	19.04
Channel				342500	34900	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM PI/2 BPSK	1	1	22.61	22.74	22.35
5		1	23	22.61	22.79	22.31
5		12	6	22.85	22.67	22.42
5	DFT-s-OFDM QPSK	1	1	22.71	22.68	22.44
5		1	23	22.50	22.72	22.30
5		12	6	22.71	22.79	22.46
5	DFT-s-OFDM 16QAM	1	1	22.78	22.81	22.50
5		1	23	22.77	22.74	22.44
5		12	6	22.78	22.62	22.43
5	DFT-s-OFDM 64QAM	1	1	21.05	21.06	20.80
5		1	23	21.11	21.15	20.87
5		12	6	21.30	21.29	21.05
5	DFT-s-OFDM 256QAM	1	1	18.84	18.85	18.57
5		1	23	18.81	18.91	18.57
5		12	6	19.18	19.25	18.97



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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1720	1745	1770
20	CP-OFDM QPSK	1	1	22.52	22.23	22.70
20		1	104	22.18	22.59	22.02
20		53	26	22.25	22.46	22.30
20	CP-OFDM 16QAM	1	1	22.01	21.83	21.99
20		1	104	21.83	22.05	21.46
20		53	26	21.81	21.92	21.76
20	CP-OFDM 64QAM	1	1	20.28	20.37	20.38
20		1	104	20.14	20.56	20.18
20		53	26	20.29	20.58	20.31
20	CP-OFDM 256QAM	1	1	17.05	16.95	17.06
20		1	104	16.94	17.16	16.80
20		53	26	17.27	17.49	17.26
Channel				344000	349000	354000
Frequency (MHz)				1717.5	1745	1772.5
15	CP-OFDM QPSK	1	1	22.32	22.23	22.24
15		1	77	21.96	22.22	21.91
15		39	191	20.83	20.93	20.85
15	CP-OFDM 16QAM	1	1	21.89	21.92	21.91
15		1	77	21.68	21.94	21.43
15		39	191	20.94	21.01	20.79
15	CP-OFDM 64QAM	1	1	20.31	20.32	20.26
15		1	77	20.08	20.27	20.04
15		39	191	20.38	20.43	20.23
15	CP-OFDM 256QAM	1	1	17.02	17.01	16.95
15		1	77	16.89	17.17	16.76
15		39	191	17.25	17.37	17.26
Channel				343000	349000	355000
Frequency (MHz)				1712.5	1745	1777.5
10	CP-OFDM QPSK	1	1	22.19	22.18	22.29
10		1	50	22.31	22.54	21.84
10		26	13	22.26	22.36	22.06
10	CP-OFDM	1	1	21.79	21.80	21.71



10	16QAM	1	50	21.65	21.84	21.54
10		26	13	21.69	21.81	21.60
10	CP-OFDM 64QAM	1	1	20.28	20.21	20.13
10		1	50	20.12	20.33	19.93
10		26	13	20.24	20.30	20.06
10	CP-OFDM 256QAM	1	1	16.93	16.95	16.81
10		1	50	16.83	17.01	16.73
10		26	13	17.22	17.27	17.07
Channel				342500	34900	355500
Frequency (MHz)				1712.5	1745	1777.5
5	CP-OFDM QPSK	1	1	22.07	22.41	22.35
5		1	23	21.70	22.07	21.99
5		13	6	21.89	22.17	22.15
5	CP-OFDM 16QAM	1	1	21.47	21.82	21.86
5		1	23	21.38	21.87	21.68
5		13	6	21.32	21.71	21.60
5	CP-OFDM 64QAM	1	1	19.98	20.18	20.16
5		1	23	19.73	20.21	20.01
5		13	6	20.00	20.32	20.13
5	CP-OFDM 256QAM	1	1	16.59	16.84	16.82
5		1	23	16.51	16.88	16.79
5		13	6	16.98	17.38	17.23



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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM PI/2 BPSK	1	1	22.94	22.86	23.03
20		1	104	23.08	23.10	22.85
20		50	25	23.02	23.09	23.06
20	DFT-s-OFDM QPSK	1	1	22.81	22.77	23.06
20		1	104	22.80	23.07	22.80
20		50	25	22.80	23.07	22.96
20	DFT-s-OFDM 16QAM	1	1	22.92	22.91	23.12
20		1	104	22.96	23.27	22.94
20		50	25	22.88	23.05	22.89
20	DFT-s-OFDM 64QAM	1	1	21.32	21.24	21.55
20		1	104	21.36	21.60	21.27
20		50	25	21.30	21.62	21.44
20	DFT-s-OFDM 256QAM	1	1	19.06	19.03	19.19
20		1	104	19.06	19.33	18.97
20		50	25	19.26	19.54	19.50
Channel				344000	349000	354000
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM PI/2 BPSK	1	1	22.96	22.84	23.03
15		1	77	22.88	23.13	22.84
15		36	18	22.83	22.95	22.80
15	DFT-s-OFDM QPSK	1	1	22.72	22.82	22.75
15		1	77	22.63	22.92	22.78
15		36	18	22.84	22.99	22.89
15	DFT-s-OFDM 16QAM	1	1	22.93	22.91	22.93
15		1	77	22.87	23.14	22.85
15		36	18	22.84	22.96	22.90
15	DFT-s-OFDM 64QAM	1	1	21.27	21.32	21.33
15		1	77	21.12	21.45	21.19
15		36	18	21.42	21.52	21.37
15	DFT-s-OFDM 256QAM	1	1	18.96	19.08	19.01
15		1	77	18.93	19.25	18.89
15		36	18	19.23	19.46	19.25



Channel				343000	349000	355000
Frequency (MHz)				1712.5	1745	1777.5
10	DFT-s-OFDM PI/2 BPSK	1	1	22.88	22.79	22.60
10		1	50	22.76	23.05	22.51
10		25	12	22.99	22.94	22.64
10	DFT-s-OFDM QPSK	1	1	22.69	22.64	22.66
10		1	50	22.66	22.77	22.55
10		25	12	22.94	23.01	22.81
10	DFT-s-OFDM 16QAM	1	1	22.80	22.96	22.75
10		1	50	22.79	23.02	22.63
10		25	12	22.78	22.85	22.75
10	DFT-s-OFDM 64QAM	1	1	21.11	21.24	21.07
10		1	50	21.05	21.39	20.95
10		25	12	21.18	21.31	21.12
10	DFT-s-OFDM 256QAM	1	1	18.82	18.95	18.88
10		1	50	18.83	19.07	18.80
10		25	12	19.16	19.38	19.11
Channel				342500	34900	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM PI/2 BPSK	1	1	22.83	22.72	22.75
5		1	23	22.71	22.98	22.75
5		12	6	22.77	23.07	22.64
5	DFT-s-OFDM QPSK	1	1	22.75	22.74	22.57
5		1	23	22.63	22.80	22.63
5		12	6	22.75	22.97	22.70
5	DFT-s-OFDM 16QAM	1	1	22.92	22.86	22.88
5		1	23	22.80	22.93	22.73
5		12	6	22.69	22.70	22.67
5	DFT-s-OFDM 64QAM	1	1	21.21	21.22	21.11
5		1	23	21.23	21.31	21.14
5		12	6	21.44	21.47	21.29
5	DFT-s-OFDM 256QAM	1	1	18.96	18.94	18.88
5		1	23	18.90	19.12	18.82
5		12	6	19.32	19.37	19.19

**EN-DC_13A-N66**

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1720	1745	1770
20	CP-OFDM QPSK	1	1	22.63	22.29	22.81
20		1	104	22.31	22.61	22.16
20		53	16	22.28	22.53	22.40
20	CP-OFDM 16QAM	1	1	22.05	22.05	22.04
20		1	104	21.95	22.11	21.64
20		53	16	21.87	22.07	22.00
20	CP-OFDM 64QAM	1	1	20.49	20.43	20.52
20		1	104	20.26	20.77	20.27
20		53	16	20.29	20.65	20.55
20	CP-OFDM 256QAM	1	1	17.18	17.09	17.22
20		1	104	17.09	17.27	17.01
20		53	16	17.37	17.58	17.45
Channel				344000	349000	354000
Frequency (MHz)				1717.5	1745	1772.5
15	CP-OFDM QPSK	1	1	22.38	22.48	22.29
15		1	77	22.11	22.44	22.06
15		39	191	20.92	21.00	20.94
15	CP-OFDM 16QAM	1	1	21.96	22.00	21.97
15		1	77	21.75	21.99	21.67
15		39	191	20.95	21.03	20.98
15	CP-OFDM 64QAM	1	1	20.36	20.30	20.31
15		1	77	20.16	20.51	20.15
15		39	191	20.36	20.46	20.30
15	CP-OFDM 256QAM	1	1	17.01	17.10	17.02
15		1	77	16.96	17.21	16.87
15		39	191	17.32	17.47	17.35
Channel				343000	349000	355000
Frequency (MHz)				1712.5	1745	1777.5
10	CP-OFDM QPSK	1	1	22.23	22.52	22.40
10		1	50	22.10	22.34	22.28
10		26	13	22.35	22.47	22.21
10	CP-OFDM	1	1	21.87	21.86	21.85



10	16QAM	1	50	21.77	22.08	21.71
10		26	13	21.71	21.94	21.74
10	CP-OFDM 64QAM	1	1	20.27	20.26	20.27
10		1	50	20.19	20.34	20.17
10		26	13	20.33	20.43	20.23
10	CP-OFDM 256QAM	1	1	16.88	16.94	16.90
10		1	50	16.94	17.14	16.85
10		26	13	17.18	17.40	17.17
Channel				342500	34900	355500
Frequency (MHz)				1712.5	1745	1777.5
5	CP-OFDM QPSK	1	1	22.26	22.42	22.08
5		1	23	22.49	22.21	22.34
5		13	6	22.24	22.30	22.16
5	CP-OFDM 16QAM	1	1	21.96	21.82	21.74
5		1	23	21.68	21.99	21.62
5		13	6	21.71	21.72	21.63
5	CP-OFDM 64QAM	1	1	20.25	20.29	20.22
5		1	23	20.13	20.22	20.10
5		13	6	20.39	20.34	20.22
5	CP-OFDM 256QAM	1	1	16.90	16.92	16.97
5		1	23	16.86	16.97	16.83
5		13	6	17.33	17.33	17.29

EN-DC_30A-N66

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM PI/2 BPSK	1	1	23.18	23.05	23.27
20		1	104	23.06	23.29	22.98
20		50	25	22.94	23.20	22.99
20	DFT-s-OFDM QPSK	1	1	23.06	22.99	23.12
20		1	104	22.92	23.13	22.80
20		50	25	22.94	23.18	23.07



20	DFT-s-OFDM 16QAM	1	1	23.09	23.03	23.16
20		1	104	22.97	23.25	23.01
20		50	25	22.93	23.05	22.99
20	DFT-s-OFDM 64QAM	1	1	21.42	21.77	21.57
20		1	104	21.41	21.66	21.43
20		50	25	21.46	21.65	21.52
20	DFT-s-OFDM 256QAM	1	1	19.15	19.09	19.30
20		1	104	19.09	19.41	19.09
20		50	25	19.35	19.59	19.52
Channel				344000	349000	354000
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM PI/2 BPSK	1	1	22.96	22.99	23.06
15		1	77	22.89	23.33	23.02
15		36	18	23.01	23.24	22.95
15	DFT-s-OFDM QPSK	1	1	23.00	23.13	22.99
15		1	77	22.95	23.27	22.95
15		36	18	22.97	23.14	22.97
15	DFT-s-OFDM 16QAM	1	1	23.04	22.98	23.06
15		1	77	23.01	23.22	22.95
15		36	18	22.99	23.17	23.05
15	DFT-s-OFDM 64QAM	1	1	21.35	21.45	21.40
15		1	77	21.54	21.60	21.38
15		36	18	21.49	21.64	21.46
15	DFT-s-OFDM 256QAM	1	1	19.14	19.18	19.29
15		1	77	19.02	19.42	19.06
15		36	18	19.33	19.58	19.46
Channel				343000	349000	355000
Frequency (MHz)				1712.5	1745	1777.5
10	DFT-s-OFDM PI/2 BPSK	1	1	22.94	22.87	23.01
10		1	50	22.84	23.09	22.73
10		25	12	23.11	23.04	22.91
10	DFT-s-OFDM QPSK	1	1	22.87	22.79	22.89
10		1	50	22.77	23.07	22.66
10		25	12	22.95	23.07	22.85
10	DFT-s-OFDM 16QAM	1	1	22.90	22.94	22.93
10		1	50	22.92	23.21	22.76
10		25	12	22.97	23.05	22.88
10	DFT-s-OFDM	1	1	21.30	21.32	21.25



10	64QAM	1	50	21.21	21.49	21.26
10		25	12	21.37	21.45	21.26
10	DFT-s-OFDM 256QAM	1	1	19.05	19.10	19.06
10		1	50	18.99	19.19	18.91
10		25	12	19.34	19.53	19.38
Channel				342500	34900	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM PI/2 BPSK	1	1	22.89	22.88	22.73
5		1	23	22.79	22.98	22.67
5		12	6	22.95	23.03	22.79
5	DFT-s-OFDM QPSK	1	1	22.82	22.92	22.76
5		1	23	22.82	22.91	22.69
5		12	6	22.89	23.07	22.82
5	DFT-s-OFDM 16QAM	1	1	22.98	22.97	22.90
5		1	23	22.87	23.04	22.81
5		12	6	22.97	22.93	22.86
5	DFT-s-OFDM 64QAM	1	1	21.31	21.32	21.17
5		1	23	21.24	21.44	21.11
5		12	6	21.58	21.61	21.40
5	DFT-s-OFDM 256QAM	1	1	19.11	19.06	18.93
5		1	23	19.06	19.17	18.92
5		12	6	19.35	19.47	19.30



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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1720	1745	1770
20	CP-OFDM QPSK	1	1	22.74	22.44	22.66
20		1	104	22.40	22.90	22.33
20		53	26	22.50	22.68	22.52
20	CP-OFDM 16QAM	1	1	22.10	22.03	22.17
20		1	104	22.02	22.32	21.95
20		53	26	21.93	22.13	22.06
20	CP-OFDM 64QAM	1	1	20.57	20.37	20.70
20		1	104	20.54	20.68	20.30
20		53	26	20.45	20.70	20.53
20	CP-OFDM 256QAM	1	1	17.23	17.14	17.32
20		1	104	17.17	17.35	17.11
20		53	26	17.41	17.63	17.54
Channel				344000	349000	354000
Frequency (MHz)				1717.5	1745	1772.5
15	CP-OFDM QPSK	1	1	22.64	22.46	22.73
15		1	77	22.42	22.49	22.14
15		39	191	20.99	21.16	21.07
15	CP-OFDM 16QAM	1	1	22.03	22.08	22.15
15		1	77	22.06	22.22	21.86
15		39	191	21.06	21.19	21.12
15	CP-OFDM 64QAM	1	1	20.45	20.46	20.49
15		1	77	20.25	20.59	20.23
15		39	191	20.42	20.58	20.54
15	CP-OFDM 256QAM	1	1	17.17	17.25	17.23
15		1	77	16.95	17.44	17.14
15		39	191	17.50	17.56	17.54
Channel				343000	349000	355000
Frequency (MHz)				1712.5	1745	1777.5
10	CP-OFDM QPSK	1	1	22.57	22.61	22.28
10		1	50	22.47	22.78	22.21
10		26	13	22.36	22.52	22.36
10	CP-OFDM	1	1	22.11	22.03	22.02



10	16QAM	1	50	21.83	22.10	21.83
10		26	13	21.83	22.03	21.87
10	CP-OFDM 64QAM	1	1	20.38	20.38	20.37
10		1	50	20.34	20.58	20.22
10		26	13	20.44	20.57	20.43
10	CP-OFDM 256QAM	1	1	17.15	17.13	17.11
10		1	50	17.02	17.24	17.04
10		26	13	17.37	17.54	17.35
Channel				342500	34900	355500
Frequency (MHz)				1712.5	1745	1777.5
5	CP-OFDM QPSK	1	1	22.55	22.63	22.43
5		1	23	22.50	22.66	22.40
5		13	6	22.35	22.49	22.24
5	CP-OFDM 16QAM	1	1	21.96	22.03	21.84
5		1	23	21.92	21.96	21.95
5		13	6	21.83	21.97	21.77
5	CP-OFDM 64QAM	1	1	20.31	20.43	20.45
5		1	23	20.29	20.48	20.22
5		13	6	20.45	20.51	20.25
5	CP-OFDM 256QAM	1	1	17.06	17.22	16.93
5		1	23	17.02	17.18	16.89
5		13	6	17.54	17.55	17.38

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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				134600	136100	137600
Frequency (MHz)				673	680.5	688
20	DFT-s-OFDM PI/2 BPSK	1	1	23.92	23.80	23.84
20		1	104	23.59	23.44	23.34
20		50	25	23.80	23.90	23.58
20	DFT-s-OFDM QPSK	1	1	23.70	23.75	23.79
20		1	104	23.69	23.47	23.30
20		50	25	23.88	23.74	23.75
20	DFT-s-OFDM 16QAM	1	1	23.94	23.75	23.81
20		1	104	23.73	23.66	23.45
20		50	25	23.86	23.68	23.72
20	DFT-s-OFDM 64QAM	1	1	22.24	22.11	22.14
20		1	104	21.99	22.00	21.78
20		50	25	22.28	22.28	22.15
20	DFT-s-OFDM 256QAM	1	1	19.97	19.77	19.82
20		1	104	19.82	19.65	19.54
20		50	25	20.21	20.11	20.07
Channel				134100	136100	138100
Frequency (MHz)				670.5	680.5	690.5
15	DFT-s-OFDM PI/2 BPSK	1	1	24.01	23.69	23.31
15		1	77	23.71	23.77	23.60
15		36	18	23.70	23.82	23.68
15	DFT-s-OFDM QPSK	1	1	23.80	23.56	23.57
15		1	77	23.73	23.58	23.40
15		36	18	23.78	23.75	23.60
15	DFT-s-OFDM 16QAM	1	1	23.97	23.84	23.82
15		1	77	23.74	23.80	23.54
15		36	18	23.81	23.77	23.67
15	DFT-s-OFDM 64QAM	1	1	22.32	22.19	22.23
15		1	77	22.19	22.15	21.89
15		36	18	22.34	22.31	22.23
15	DFT-s-OFDM 256QAM	1	1	20.00	19.87	19.71
15		1	77	19.84	19.79	19.42
15		36	18	20.21	20.16	20.09



Channel				133600	136100	133600
Frequency (MHz)				668	680.5	668
10	DFT-s-OFDM PI/2 BPSK	1	1	23.63	23.70	23.60
10		1	50	23.67	23.53	23.30
10		25	12	23.73	23.64	23.78
10	DFT-s-OFDM QPSK	1	1	23.56	23.55	23.62
10		1	50	23.60	23.43	23.50
10		25	12	23.78	23.75	23.53
10	DFT-s-OFDM 16QAM	1	1	23.77	23.64	23.56
10		1	50	23.60	23.54	23.35
10		25	12	23.49	23.59	23.58
10	DFT-s-OFDM 64QAM	1	1	22.09	21.97	22.27
10		1	50	21.95	22.00	22.07
10		25	12	22.14	22.02	22.05
10	DFT-s-OFDM 256QAM	1	1	19.82	19.71	19.75
10		1	50	19.75	19.71	19.53
10		25	12	20.15	20.03	19.98
Channel				133100	136100	139100
Frequency (MHz)				665.5	680.5	695.5
5	DFT-s-OFDM PI/2 BPSK	1	1	23.75	23.69	23.55
5		1	23	23.65	23.55	23.28
5		12	6	23.65	23.55	23.57
5	DFT-s-OFDM QPSK	1	1	23.73	23.63	23.49
5		1	23	23.67	23.53	23.30
5		12	6	23.69	23.59	23.42
5	DFT-s-OFDM 16QAM	1	1	23.79	23.76	23.64
5		1	23	23.70	23.63	23.31
5		12	6	23.83	23.51	23.37
5	DFT-s-OFDM 64QAM	1	1	22.11	22.16	21.94
5		1	23	22.10	21.92	21.77
5		12	6	22.29	22.13	22.09
5	DFT-s-OFDM 256QAM	1	1	19.91	19.80	19.70
5		1	23	19.79	19.77	19.94
5		12	6	20.23	20.11	19.42

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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				134600	136100	137600
Frequency (MHz)				673	680.5	688
20	CP-OFDM	1	1	23.53	23.05	23.19
20	QPSK	1	104	23.30	23.25	23.03
20		53	26	23.32	23.13	23.20
20	CP-OFDM	1	1	22.89	22.46	22.78
20	16QAM	1	104	22.63	22.63	22.32
20		53	26	22.79	22.77	22.67
20	CP-OFDM	1	1	21.31	21.42	21.18
20	64QAM	1	104	20.97	21.14	20.76
20		53	26	21.33	21.32	21.18
20	CP-OFDM	1	1	17.90	17.90	17.89
20	256QAM	1	104	17.73	17.70	17.57
20		53	26	18.26	18.20	18.10
Channel				134100	136100	138100
Frequency (MHz)				670.5	680.5	690.5
15	CP-OFDM	1	1	23.35	23.19	23.42
15	QPSK	1	77	23.26	23.27	23.02
15		39	19	21.89	21.82	21.63
15	CP-OFDM	1	1	22.89	22.94	22.67
15	16QAM	1	77	22.63	22.49	22.17
15		39	19	21.97	21.79	21.70
15	CP-OFDM	1	1	21.32	21.27	21.06
15	64QAM	1	77	21.05	20.99	20.72
15		39	19	21.37	21.27	21.11
15	CP-OFDM	1	1	18.07	17.85	17.90
15	256QAM	1	77	17.93	17.75	17.53
15		39	19	18.33	18.22	18.07
Channel				133600	136100	138600
Frequency (MHz)				668	680.5	693
10	CP-OFDM	1	1	23.26	22.92	23.11
10	QPSK	1	50	22.90	22.97	23.11
10		26	13	22.95	22.96	23.04
10	CP-OFDM	1	1	22.60	22.36	22.68



10	16QAM	1	50	22.15	22.61	22.43
10		26	13	22.36	22.50	22.52
10	CP-OFDM 64QAM	1	1	21.05	21.18	21.07
10		1	50	20.70	20.98	20.83
10		26	13	20.88	21.14	21.00
10	CP-OFDM 256QAM	1	1	17.71	17.95	17.80
10		1	50	17.39	17.85	17.55
10		26	13	17.95	18.15	17.98
Channel				133100	136100	139100
Frequency (MHz)				665.5	680.5	695.5
5	CP-OFDM QPSK	1	1	23.04	23.44	23.26
5		1	23	23.16	22.94	22.90
5		13	6	23.05	23.06	22.95
5	CP-OFDM 16QAM	1	1	22.49	22.75	22.60
5		1	23	22.60	22.55	22.15
5		13	6	22.59	22.49	22.36
5	CP-OFDM 64QAM	1	1	20.98	21.04	21.05
5		1	23	21.00	20.94	20.70
5		13	6	21.20	21.10	20.88
5	CP-OFDM 256QAM	1	1	18.00	17.88	17.71
5		1	23	17.73	17.69	17.39
5		13	6	18.23	18.07	17.95



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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				134600	136100	137600
Frequency (MHz)				673	680.5	688
20	DFT-s-OFDM PI/2 BPSK	1	1	24.06	23.94	24.00
20		1	104	23.90	23.99	23.88
20		50	25	23.92	23.99	24.05
20	DFT-s-OFDM QPSK	1	1	23.98	23.75	23.84
20		1	104	24.00	23.90	23.86
20		50	25	23.92	24.05	24.06
20	DFT-s-OFDM 16QAM	1	1	24.05	23.89	24.05
20		1	104	24.01	24.03	23.91
20		50	25	23.77	23.93	24.09
20	DFT-s-OFDM 64QAM	1	1	22.35	22.20	22.42
20		1	104	22.38	22.40	22.26
20		50	25	22.30	22.49	22.58
20	DFT-s-OFDM 256QAM	1	1	20.04	19.88	20.02
20		1	104	20.16	20.06	19.92
20		50	25	20.26	20.47	20.47
Channel				134100	136100	138100
Frequency (MHz)				670.5	680.5	690.5
15	DFT-s-OFDM PI/2 BPSK	1	1	24.07	23.78	23.95
15		1	77	23.96	23.89	23.76
15		36	18	23.79	23.58	23.47
15	DFT-s-OFDM QPSK	1	1	23.91	23.81	23.99
15		1	77	23.88	23.99	23.87
15		36	18	23.83	24.01	23.96
15	DFT-s-OFDM 16QAM	1	1	24.04	23.89	24.07
15		1	77	23.93	24.08	23.84
15		36	18	23.86	23.99	24.01
15	DFT-s-OFDM 64QAM	1	1	22.37	22.15	22.34
15		1	77	22.20	22.39	22.43
15		36	18	22.35	22.49	22.55
15	DFT-s-OFDM 256QAM	1	1	20.08	19.91	20.01
15		1	77	20.06	20.19	19.96
15		36	18	20.26	20.40	20.43



Channel				133600	136100	138600
Frequency (MHz)				668	680.5	693
10	DFT-s-OFDM PI/2 BPSK	1	1	23.87	23.70	24.04
10		1	50	23.57	24.07	23.79
10		25	12	23.83	23.87	24.02
10	DFT-s-OFDM QPSK	1	1	23.78	23.72	23.97
10		1	50	23.58	23.82	23.74
10		25	12	23.84	24.07	23.96
10	DFT-s-OFDM 16QAM	1	1	23.78	23.72	24.01
10		1	50	23.68	24.06	23.79
10		25	12	23.73	23.95	23.85
10	DFT-s-OFDM 64QAM	1	1	22.22	22.08	22.29
10		1	50	22.03	22.40	22.08
10		25	12	22.17	22.37	22.31
10	DFT-s-OFDM 256QAM	1	1	19.84	19.77	20.03
10		1	50	19.65	20.14	19.81
10		25	12	20.23	20.41	20.32
Channel				133100	136100	139100
Frequency (MHz)				665.5	680.5	695.5
5	DFT-s-OFDM PI/2 BPSK	1	1	23.86	23.87	24.13
5		1	23	23.76	23.72	23.72
5		12	6	23.96	23.81	23.88
5	DFT-s-OFDM QPSK	1	1	23.62	23.77	23.88
5		1	23	23.64	23.74	23.70
5		12	6	23.82	23.91	23.85
5	DFT-s-OFDM 16QAM	1	1	23.87	23.89	23.94
5		1	23	23.69	23.88	23.80
5		12	6	23.84	23.78	23.84
5	DFT-s-OFDM 64QAM	1	1	22.14	22.25	22.35
5		1	23	22.06	22.14	22.08
5		12	6	22.29	22.47	22.47
5	DFT-s-OFDM 256QAM	1	1	19.96	19.98	20.02
5		1	23	19.82	19.94	19.83
5		12	6	20.29	20.35	20.27


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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				134600	136100	137600
Frequency (MHz)				673	680.5	688
20	CP-OFDM	1	1	23.68	23.40	23.39
20	QPSK	1	104	23.35	23.50	23.38
20		53	26	23.34	23.44	23.46
20	CP-OFDM	1	1	23.17	22.94	23.12
20	16QAM	1	104	22.97	23.00	22.88
20		53	26	22.88	22.96	23.00
20	CP-OFDM	1	1	21.65	21.28	21.49
20	64QAM	1	104	21.49	21.45	21.34
20		53	26	21.41	21.45	21.51
20	CP-OFDM	1	1	18.30	18.18	18.23
20	256QAM	1	104	18.34	18.29	18.17
20		53	26	18.55	18.69	18.64
Channel				134100	136100	138100
Frequency (MHz)				670.5	680.5	690.5
15	CP-OFDM	1	1	23.46	23.23	23.33
15	QPSK	1	77	23.48	23.66	23.11
15		39	191	22.00	21.87	22.10
15	CP-OFDM	1	1	23.06	22.91	23.03
15	16QAM	1	77	22.79	22.84	22.63
15		39	191	21.93	21.91	22.13
15	CP-OFDM	1	1	21.46	21.27	21.39
15	64QAM	1	77	21.26	21.31	21.15
15		39	191	21.46	21.35	21.57
15	CP-OFDM	1	1	18.38	18.17	18.40
15	256QAM	1	77	18.30	18.23	18.20
15		39	191	18.61	18.60	18.58
Channel				133600	136100	138600
Frequency (MHz)				668	680.5	693
10	CP-OFDM	1	1	23.26	23.40	23.66
10	QPSK	1	50	23.37	23.40	23.20
10		26	13	23.33	23.46	23.38
10	CP-OFDM	1	1	22.79	22.78	23.02



10	16QAM	1	50	22.74	23.09	22.83
10		26	13	22.71	22.93	22.94
10	CP-OFDM 64QAM	1	1	21.24	21.13	21.39
10		1	50	21.16	21.37	21.29
10		26	13	21.29	21.44	21.38
10	CP-OFDM 256QAM	1	1	18.18	17.96	18.30
10		1	50	18.05	18.22	124900.00
10		26	13	18.36	18.56	18.59
Channel				133100	136100	139100
Frequency (MHz)				665.5	680.5	695.5
5	CP-OFDM QPSK	1	1	23.16	23.50	23.64
5		1	23	23.34	23.46	23.03
5		13	6	23.18	23.36	23.21
5	CP-OFDM 16QAM	1	1	22.75	22.91	22.92
5		1	23	22.85	22.63	22.53
5		13	6	22.64	22.70	22.66
5	CP-OFDM 64QAM	1	1	21.26	21.30	21.44
5		1	23	21.04	21.05	21.13
5		13	6	21.26	21.38	21.33
5	CP-OFDM 256QAM	1	1	18.16	18.19	18.25
5		1	23	17.94	18.13	18.04
5		13	6	18.42	18.52	18.44



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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				134600	136100	137600
Frequency (MHz)				673	680.5	688
20	DFT-s-OFDM PI/2 BPSK	1	1	23.79	23.80	23.79
20		1	104	23.56	23.65	23.51
20		50	25	23.80	23.73	23.78
20	DFT-s-OFDM QPSK	1	1	23.77	23.78	23.83
20		1	104	23.67	23.61	23.46
20		50	25	23.86	23.70	23.56
20	DFT-s-OFDM 16QAM	1	1	23.96	23.75	23.91
20		1	104	23.77	23.56	23.47
20		50	25	23.78	23.59	23.55
20	DFT-s-OFDM 64QAM	1	1	22.25	22.51	22.25
20		1	104	22.01	22.39	21.79
20		50	25	22.29	22.28	22.07
20	DFT-s-OFDM 256QAM	1	1	19.92	19.74	19.89
20		1	104	19.77	19.71	19.50
20		50	25	20.15	20.14	20.05
Channel				134100	136100	138100
Frequency (MHz)				670.5	680.5	690.5
15	DFT-s-OFDM PI/2 BPSK	1	1	23.85	23.84	23.77
15		1	77	23.84	23.60	23.40
15		36	18	23.83	23.84	23.74
15	DFT-s-OFDM QPSK	1	1	23.97	23.74	23.70
15		1	77	23.92	23.64	23.53
15		36	18	23.82	23.75	23.63
15	DFT-s-OFDM 16QAM	1	1	23.90	23.85	23.65
15		1	77	23.77	23.72	23.38
15		36	18	23.89	23.86	23.70
15	DFT-s-OFDM 64QAM	1	1	22.68	22.16	22.43
15		1	77	22.43	22.12	22.17
15		36	18	22.31	22.39	22.13
15	DFT-s-OFDM 256QAM	1	1	20.18	19.92	19.85
15		1	77	19.86	19.75	19.58
15		36	18	20.23	20.22	20.11



Channel				133600	136100	138600
Frequency (MHz)				668	680.5	693
10	DFT-s-OFDM PI/2 BPSK	1	1	23.76	23.73	23.75
10		1	50	23.69	23.65	23.41
10		25	12	23.72	23.84	23.63
10	DFT-s-OFDM QPSK	1	1	23.70	23.57	23.58
10		1	50	23.63	23.53	23.27
10		25	12	23.75	23.76	23.66
10	DFT-s-OFDM 16QAM	1	1	23.75	23.60	23.70
10		1	50	23.66	23.62	23.51
10		25	12	23.56	23.56	23.50
10	DFT-s-OFDM 64QAM	1	1	22.17	22.04	22.04
10		1	50	22.02	21.96	21.76
10		25	12	22.10	22.09	22.00
10	DFT-s-OFDM 256QAM	1	1	19.87	19.72	19.72
10		1	50	19.70	19.72	19.51
10		25	12	20.18	20.06	20.21
Channel				133100	136100	139100
Frequency (MHz)				665.5	680.5	695.5
5	DFT-s-OFDM PI/2 BPSK	1	1	23.48	23.83	23.68
5		1	23	23.77	23.59	23.32
5		12	6	23.74	23.67	23.41
5	DFT-s-OFDM QPSK	1	1	23.70	23.60	23.45
5		1	23	23.74	23.61	23.38
5		12	6	23.75	23.70	23.54
5	DFT-s-OFDM 16QAM	1	1	23.85	23.83	23.63
5		1	23	23.68	23.61	23.32
5		12	6	23.72	23.69	23.39
5	DFT-s-OFDM 64QAM	1	1	22.15	22.19	21.96
5		1	23	22.12	22.05	21.79
5		12	6	22.37	22.22	22.11
5	DFT-s-OFDM 256QAM	1	1	19.80	19.86	19.71
5		1	23	19.66	19.74	19.44
5		12	6	20.25	20.07	19.92



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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				134600	136100	137600
Frequency (MHz)				673	680.5	688
20	CP-OFDM QPSK	1	1	23.53	22.96	23.26
20		1	104	23.10	23.09	22.80
20		53	26	23.36	23.20	23.15
20	CP-OFDM 16QAM	1	1	22.94	22.31	22.72
20		1	104	22.61	22.67	22.39
20		53	26	22.80	22.73	22.73
20	CP-OFDM 64QAM	1	1	21.30	21.34	21.04
20		1	104	20.98	21.05	20.81
20		53	26	21.34	21.27	21.13
20	CP-OFDM 256QAM	1	1	18.04	17.90	17.79
20		1	104	17.84	17.81	17.60
20		53	26	18.28	18.19	18.02
Channel				134100	136100	138100
Frequency (MHz)				670.5	680.5	690.5
15	CP-OFDM QPSK	1	1	23.44	23.22	23.51
15		1	77	23.29	23.27	22.93
15		39	191	21.90	21.80	21.70
15	CP-OFDM 16QAM	1	1	22.94	22.93	22.72
15		1	77	22.62	22.56	22.25
15		39	191	22.04	21.83	21.77
15	CP-OFDM 64QAM	1	1	21.31	21.12	21.15
15		1	77	21.06	21.03	20.74
15		39	191	21.39	21.32	21.09
15	CP-OFDM 256QAM	1	1	18.14	17.92	17.87
15		1	77	17.88	17.80	17.59
15		39	191	18.40	18.19	18.13
Channel				133600	136100	138600
Frequency (MHz)				668	680.5	693
10	CP-OFDM QPSK	1	1	22.97	23.36	23.34
10		1	50	23.33	23.07	23.11
10		26	13	22.92	23.14	23.13
10	CP-OFDM	1	1	22.41	22.69	22.60



10	16QAM	1	50	22.64	22.71	22.38
10		26	13	22.47	22.66	22.50
10	CP-OFDM 64QAM	1	1	21.26	21.10	21.06
10		1	50	21.06	21.04	20.90
10		26	13	21.12	21.17	21.08
10	CP-OFDM 256QAM	1	1	17.94	17.83	17.84
10		1	50	17.82	17.83	17.59
10		26	13	18.22	18.08	18.02
Channel				133100	136100	139100
Frequency (MHz)				665.5	680.5	695.5
5	CP-OFDM QPSK	1	1	22.96	23.11	23.26
5		1	23	23.04	22.96	22.95
5		13	6	22.90	23.08	22.99
5	CP-OFDM 16QAM	1	1	22.42	22.78	22.65
5		1	23	22.49	22.51	22.16
5		13	6	22.49	22.56	22.36
5	CP-OFDM 64QAM	1	1	21.05	21.11	21.00
5		1	23	21.02	20.98	20.69
5		13	6	21.30	21.08	21.09
5	CP-OFDM 256QAM	1	1	18.04	17.87	17.72
5		1	23	17.75	17.77	17.50
5		13	6	18.25	18.10	18.00

**Effective Radiated Power and Effective Isotropic Radiated Power:**

EN-DC_2A-N66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				346000		349000		352000	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	DFT-s-OFDM PI/2 BPSK	1	1	24.03	0.253	24.64	0.291	24.74	0.298
20		1	104	24.48	0.281	25.19	0.330	25.22	0.333
20		50	25	24.52	0.283	24.85	0.305	25.2	0.331
20	DFT-s-OFDM QPSK	1	1	23.92	0.247	24.56	0.286	24.64	0.291
20		1	104	24.33	0.271	24.97	0.314	25.19	0.330
20		50	25	24.52	0.283	25.06	0.321	25.04	0.319
20	DFT-s-OFDM 16QAM	1	1	24.16	0.261	24.51	0.282	24.84	0.305
20		1	104	24.52	0.283	25.01	0.317	25.2	0.331
20		50	25	24.5	0.282	24.71	0.296	25.02	0.318
20	DFT-s-OFDM 64QAM	1	1	22.44	0.175	22.83	0.192	23.14	0.206
20		1	104	24.52	0.283	23.45	0.221	23.65	0.232
20		50	25	23.01	0.200	23.28	0.213	23.6	0.229
20	DFT-s-OFDM 256QAM	1	1	20.1	0.102	20.31	0.107	20.84	0.121
20		1	104	20.55	0.114	20.88	0.122	21.33	0.136
20		50	25	20.9	0.123	21.24	0.133	21.53	0.142
Channel				344000		349000		354000	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	DFT-s-OFDM PI/2 BPSK	1	1	24	0.251	24.57	0.286	24.86	0.306
15		1	77	24.38	0.274	25.15	0.327	25.29	0.338
15		36	18	24.29	0.269	24.37	0.274	24.54	0.284
15	DFT-s-OFDM QPSK	1	1	23.85	0.243	24.58	0.287	24.64	0.291
15		1	77	24.54	0.284	25.12	0.325	25.13	0.326
15		36	18	24.37	0.274	24.91	0.310	25.16	0.328
15	DFT-s-OFDM 16QAM	1	1	24.09	0.256	24.63	0.290	24.91	0.310
15		1	77	24.61	0.289	25.13	0.326	25.26	0.336
15		36	18	24.36	0.273	24.78	0.301	25.14	0.327
15	DFT-s-OFDM 64QAM	1	1	22.39	0.173	23.03	0.201	23.28	0.213
15		1	77	22.86	0.193	23.43	0.220	23.64	0.231
15		36	18	22.85	0.193	23.28	0.213	23.68	0.233
15	DFT-s-OFDM	1	1	20.11	0.103	20.59	0.115	20.95	0.124



15	256QAM	1	77	20.63	0.116	21.12	0.129	21.35	0.136
15		36	18	20.76	0.119	21.19	0.132	21.55	0.143
Channel				343000		349000		355000	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
10	DFT-s-OFDM PI/2 BPSK	1	1	23.99	0.251	24.55	0.285	25.1	0.324
10		1	50	24.49	0.281	25.05	0.320	25.11	0.324
10		25	12	24.28	0.268	24.92	0.310	25.55	0.359
10	DFT-s-OFDM QPSK	1	1	24	0.251	24.64	0.291	25.08	0.322
10		1	50	24.43	0.277	25.07	0.321	25.05	0.320
10		25	12	24.29	0.269	24.81	0.303	25.36	0.344
10	DFT-s-OFDM 16QAM	1	1	24.02	0.252	24.71	0.296	25.17	0.329
10		1	50	24.55	0.285	25.07	0.321	25.04	0.319
10		25	12	24.19	0.262	24.77	0.300	25.24	0.334
10	DFT-s-OFDM 64QAM	1	1	22.4	0.174	23.05	0.202	23.36	0.217
10		1	50	22.89	0.195	23.37	0.217	23.57	0.228
10		25	12	22.72	0.187	23.25	0.211	23.78	0.239
10	DFT-s-OFDM 256QAM	1	1	20.12	0.103	20.69	0.117	21.21	0.132
10		1	50	20.59	0.115	21.15	0.130	21.33	0.136
10		25	12	20.72	0.118	21.27	0.134	21.79	0.151
Channel				342500		34900		355500	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	DFT-s-OFDM PI/2 BPSK	1	1	24.01	0.252	24.67	0.293	25.38	0.345
5		1	23	24.2	0.263	24.96	0.313	25.19	0.330
5		12	6	24.18	0.262	24.94	0.312	25.42	0.348
5	DFT-s-OFDM QPSK	1	1	23.86	0.243	24.65	0.292	25.3	0.339
5		1	23	24.05	0.254	24.84	0.305	24.99	0.316
5		12	6	24.09	0.256	24.82	0.303	25.31	0.340
5	DFT-s-OFDM 16QAM	1	1	24.12	0.258	24.8	0.302	25.36	0.344
5		1	23	24.2	0.263	24.98	0.315	25.13	0.326
5		12	6	23.94	0.248	24.85	0.305	25.18	0.330
5	DFT-s-OFDM 64QAM	1	1	22.39	0.173	23.11	0.205	23.72	0.236
5		1	23	22.62	0.183	23.32	0.215	23.6	0.229
5		12	6	22.65	0.184	23.38	0.218	23.89	0.245
5	DFT-s-OFDM 256QAM	1	1	20.07	0.102	20.85	0.122	21.26	0.134
5		1	23	20.29	0.107	20.99	0.126	21.14	0.130
5		12	6	20.52	0.113	21.3	0.135	21.8	0.151



EN-DC_2A-N66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				346000		349000		352000	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	CP-OFDM QPSK	1	1	23.59	0.229	23.91	0.246	24.61	0.289
20		1	104	24.19	0.262	24.72	0.296	24.9	0.309
20		50	25	23.98	0.250	24.42	0.277	24.53	0.284
20	CP-OFDM 16QAM	1	1	23.1	0.204	23.4	0.219	23.8	0.240
20		1	104	23.49	0.223	24.1	0.257	24.18	0.262
20		50	25	23.41	0.219	23.85	0.243	24.05	0.254
20	CP-OFDM 64QAM	1	1	21.39	0.138	22	0.158	22.39	0.173
20		1	104	21.81	0.152	22.26	0.168	22.64	0.184
20		50	25	21.94	0.156	22.4	0.174	22.6	0.182
20	CP-OFDM 256QAM	1	1	18.18	0.066	18.54	0.071	18.98	0.079
20		1	104	18.5	0.071	19.16	0.082	19.28	0.085
20		50	25	18.96	0.079	19.27	0.085	19.51	0.089
Channel				344000		349000		354000	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	CP-OFDM 16QAM	1	1	23.4	0.219	24	0.251	24.51	0.282
15		1	77	23.81	0.240	24.59	0.288	24.66	0.292
15		36	18	22.17	0.165	22.77	0.189	23.03	0.201
15	CP-OFDM 64QAM	1	1	23.08	0.203	23.62	0.230	23.85	0.243
15		1	77	23.42	0.220	24.11	0.258	24.17	0.261
15		36	18	22.19	0.166	22.68	0.185	23.03	0.201
15	CP-OFDM 256QAM	1	1	21.39	0.138	21.85	0.153	22.16	0.164
15		1	77	21.82	0.152	22.36	0.172	22.63	0.183
15		36	18	21.61	0.145	22.12	0.163	22.53	0.179
Channel				343000		349000		355000	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
10	CP-OFDM QPSK	1	1	23.5	0.224	24.28	0.268	24.74	0.298
10		1	50	24.14	0.259	24.55	0.285	24.54	0.284
10		25	12	23.78	0.239	24.3	0.269	24.79	0.301
10	CP-OFDM	1	1	23.12	0.205	23.61	0.230	24.07	0.255



10	16QAM	1	50	23.58	0.228	24.09	0.256	24.29	0.269
10		25	12	23.32	0.215	23.85	0.243	24.32	0.270
10	CP-OFDM 64QAM	1	1	21.43	0.139	22.04	0.160	22.52	0.179
10		1	50	21.98	0.158	22.51	0.178	22.67	0.185
10		25	12	21.76	0.150	22.34	0.171	22.7	0.186
10	CP-OFDM 256QAM	1	1	18.2	0.066	18.82	0.076	19.13	0.082
10		1	50	18.69	0.074	19.2	0.083	19.32	0.086
10		25	12	18.67	0.074	19.29	0.085	19.75	0.094
Channel				342500		34900		355500	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	CP-OFDM QPSK	1	1	23.4	0.219	24.12	0.258	25.02	0.318
5		1	23	23.59	0.229	24.64	0.291	24.79	0.301
5		12	6	23.49	0.223	24.48	0.281	24.67	0.293
5	CP-OFDM 16QAM	1	1	22.97	0.198	23.93	0.247	24.32	0.270
5		1	23	23.14	0.206	23.94	0.248	24.1	0.257
5		12	6	23.01	0.200	23.68	0.233	24.14	0.259
5	CP-OFDM 64QAM	1	1	21.4	0.138	22.27	0.169	22.7	0.186
5		1	23	21.55	0.143	22.54	0.179	22.54	0.179
5		12	6	21.62	0.145	22.38	0.173	22.68	0.185
5	CP-OFDM 256QAM	1	1	18.14	0.065	18.84	0.077	19.41	0.087
5		1	23	18.32	0.068	18.9	0.078	19.19	0.083
5		12	6	18.63	0.073	19.29	0.085	19.75	0.094



EN-DC_5A-N66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				346000		349000		352000	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	DFT-s-OFDM PI/2 BPSK	1	1	24.79	0.301	24.59	0.288	25.05	0.320
20		1	104	24.75	0.299	25.03	0.318	24.86	0.306
20		50	25	24.54	0.284	24.91	0.310	24.96	0.313
20	DFT-s-OFDM QPSK	1	1	24.74	0.298	24.69	0.294	25.04	0.319
20		1	104	24.61	0.289	24.98	0.315	24.92	0.310
20		50	25	24.69	0.294	24.92	0.310	25.04	0.319
20	DFT-s-OFDM 16QAM	1	1	24.78	0.301	24.73	0.297	25.11	0.324
20		1	104	24.65	0.292	25.13	0.326	24.96	0.313
20		50	25	24.62	0.290	24.97	0.314	25.01	0.317
20	DFT-s-OFDM 64QAM	1	1	23.15	0.207	23.06	0.202	23.37	0.217
20		1	104	23.13	0.206	23.56	0.227	23.31	0.214
20		50	25	23.20	0.209	23.40	0.219	23.57	0.228
20	DFT-s-OFDM 256QAM	1	1	20.80	0.120	20.85	0.122	21.23	0.133
20		1	104	20.56	0.114	21.21	0.132	21.08	0.128
20		50	25	21.01	0.126	21.37	0.137	21.45	0.140
Channel				344000		349000		354000	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	DFT-s-OFDM PI/2 BPSK	1	1	24.80	0.302	24.87	0.307	24.97	0.314
15		1	77	24.75	0.299	25.13	0.326	24.85	0.305
15		36	18	24.65	0.292	24.93	0.311	24.91	0.310
15	DFT-s-OFDM QPSK	1	1	24.64	0.291	24.72	0.296	24.88	0.308
15		1	77	24.54	0.284	25.08	0.322	24.86	0.306
15		36	18	24.72	0.296	24.85	0.305	24.89	0.308
15	DFT-s-OFDM 16QAM	1	1	24.82	0.303	24.77	0.300	25.04	0.319
15		1	77	24.68	0.294	25.05	0.320	24.91	0.310
15		36	18	24.61	0.289	24.87	0.307	24.93	0.311
15	DFT-s-OFDM 64QAM	1	1	23.16	0.207	23.19	0.208	23.37	0.217
15		1	77	22.95	0.197	23.44	0.221	23.31	0.214
15		36	18	23.20	0.209	23.45	0.221	23.50	0.224
15	DFT-s-OFDM	1	1	20.79	0.120	20.94	0.124	21.19	0.132



15	256QAM	1	77	20.78	0.120	21.25	0.133	21.06	0.128
15		36	18	21.10	0.129	21.29	0.135	21.38	0.137
Channel				343000		349000		355000	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
10	DFT-s-OFDM PI/2 BPSK	1	1	24.58	0.287	24.60	0.288	24.75	0.299
10		1	50	24.56	0.286	24.83	0.304	24.70	0.295
10		25	12	24.66	0.292	24.83	0.304	24.86	0.306
10	DFT-s-OFDM QPSK	1	1	24.58	0.287	24.66	0.292	24.69	0.294
10		1	50	24.58	0.287	24.76	0.299	24.64	0.291
10		25	12	24.62	0.290	24.85	0.305	24.88	0.308
10	DFT-s-OFDM 16QAM	1	1	24.68	0.294	24.81	0.303	24.92	0.310
10		1	50	24.71	0.296	25.02	0.318	24.84	0.305
10		25	12	24.66	0.292	24.71	0.296	24.87	0.307
10	DFT-s-OFDM 64QAM	1	1	23.02	0.200	23.16	0.207	23.21	0.209
10		1	50	22.99	0.199	23.30	0.214	23.21	0.209
10		25	12	23.10	0.204	23.22	0.210	23.26	0.212
10	DFT-s-OFDM 256QAM	1	1	20.80	0.120	20.87	0.122	20.99	0.126
10		1	50	20.73	0.118	21.07	0.128	20.83	0.121
10		25	12	21.14	0.130	21.26	0.134	21.29	0.135
Channel				342500		34900		355500	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	DFT-s-OFDM PI/2 BPSK	1	1	24.55	0.285	24.74	0.298	24.69	0.294
5		1	23	24.60	0.288	24.71	0.296	24.77	0.300
5		12	6	24.70	0.295	24.81	0.303	24.88	0.308
5	DFT-s-OFDM QPSK	1	1	24.59	0.288	24.63	0.290	24.65	0.292
5		1	23	24.60	0.288	24.80	0.302	24.74	0.298
5		12	6	24.63	0.290	24.80	0.302	24.80	0.302
5	DFT-s-OFDM 16QAM	1	1	24.63	0.290	24.79	0.301	24.88	0.308
5		1	23	24.62	0.290	24.87	0.307	24.74	0.298
5		12	6	24.56	0.286	24.68	0.294	24.63	0.290
5	DFT-s-OFDM 64QAM	1	1	22.99	0.199	23.05	0.202	23.15	0.207
5		1	23	23.05	0.202	23.32	0.215	23.14	0.206
5		12	6	23.25	0.211	23.37	0.217	23.41	0.219
5	DFT-s-OFDM 256QAM	1	1	20.76	0.119	20.93	0.124	20.88	0.122
5		1	23	20.76	0.119	20.97	0.125	20.96	0.125
5		12	6	21.15	0.130	21.31	0.135	21.25	0.133



EN-DC_5A-N66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				346000		349000		352000	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	CP-OFDM QPSK	1	1	24.34	0.272	24.38	0.274	24.83	0.304
20		1	104	24.29	0.269	24.53	0.284	24.25	0.266
20		50	25	24.11	0.258	24.35	0.272	24.52	0.283
20	CP-OFDM 16QAM	1	1	23.81	0.240	23.58	0.228	24.05	0.254
20		1	104	23.67	0.233	24.08	0.256	23.70	0.234
20		50	25	23.60	0.229	23.88	0.244	24.00	0.251
20	CP-OFDM 64QAM	1	1	22.23	0.167	22.18	0.165	22.42	0.175
20		1	104	22.08	0.161	22.60	0.182	22.40	0.174
20		50	25	22.16	0.164	22.43	0.175	22.56	0.180
20	CP-OFDM 256QAM	1	1	18.93	0.078	18.89	0.077	19.26	0.084
20		1	104	18.81	0.076	19.17	0.083	19.02	0.080
20		50	25	19.11	0.081	19.39	0.087	19.43	0.088
Channel				344000		349000		354000	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	CP-OFDM QPSK	1	1	24.19	0.262	24.15	0.260	24.61	0.289
15		1	77	23.91	0.246	24.58	0.287	24.24	0.265
15		36	18	22.76	0.189	22.85	0.193	23.02	0.200
15	CP-OFDM 16QAM	1	1	24.19	0.262	24.15	0.260	24.61	0.289
15		1	77	23.91	0.246	24.58	0.287	24.24	0.265
15		36	18	22.76	0.189	22.85	0.193	23.02	0.200
15	CP-OFDM 64QAM	1	1	23.82	0.241	23.85	0.243	24.10	0.257
15		1	77	23.52	0.225	23.99	0.251	23.67	0.233
15		36	18	22.77	0.189	22.88	0.194	23.03	0.201
15	CP-OFDM 256QAM	1	1	22.15	0.164	22.16	0.164	22.35	0.172
15		1	77	22.04	0.160	22.54	0.179	22.18	0.165
15		36	18	22.22	0.167	22.39	0.173	22.45	0.176
Channel				343000		349000		355000	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
10	CP-OFDM	1	1	24.09	0.256	24.36	0.273	24.50	0.282



10	QPSK	1	50	24.20	0.263	24.55	0.285	24.14	0.259
10		25	12	24.19	0.262	24.40	0.275	24.32	0.270
10	CP-OFDM 16QAM	1	1	23.71	0.235	23.76	0.238	23.92	0.247
10		1	50	23.60	0.229	23.86	0.243	23.76	0.238
10		25	12	23.63	0.231	23.82	0.241	23.85	0.243
10	CP-OFDM 64QAM	1	1	22.10	0.162	22.15	0.164	22.38	0.173
10		1	50	22.06	0.161	22.32	0.171	22.29	0.169
10		25	12	22.17	0.165	22.33	0.171	22.34	0.171
10	CP-OFDM 256QAM	1	1	18.78	0.076	18.82	0.076	19.02	0.080
10		1	50	18.76	0.075	19.15	0.082	18.96	0.079
10		25	12	19.14	0.082	19.31	0.085	19.27	0.085
Channel				342500		34900		355500	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	CP-OFDM QPSK	1	1	24.34	0.272	24.43	0.277	24.40	0.275
5		1	23	24.20	0.263	24.18	0.262	24.33	0.271
5		12	6	24.09	0.256	24.24	0.265	24.18	0.262
5	CP-OFDM 16QAM	1	1	23.79	0.239	23.84	0.242	23.88	0.244
5		1	23	23.51	0.224	23.77	0.238	23.72	0.236
5		12	6	23.58	0.228	23.69	0.234	23.73	0.236
5	CP-OFDM 64QAM	1	1	22.09	0.162	22.10	0.162	22.23	0.167
5		1	23	21.95	0.157	22.13	0.163	22.09	0.162
5		12	6	22.20	0.166	22.40	0.174	22.33	0.171
5	CP-OFDM 256QAM	1	1	18.76	0.075	18.93	0.078	19.01	0.080
5		1	23	18.78	0.076	18.94	0.078	18.87	0.077
5		12	6	19.21	0.083	19.34	0.086	19.30	0.085



EN-DC_7A-N66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				346000		349000		352000	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	DFT-s-OFDM PI/2 BPSK	1	1	24.79	0.301	24.64	0.291	25.01	0.317
20		1	104	24.75	0.299	25.21	0.332	24.86	0.306
20		50	25	24.52	0.283	24.86	0.306	24.98	0.315
20	DFT-s-OFDM QPSK	1	1	24.76	0.299	24.55	0.285	24.93	0.311
20		1	104	24.69	0.294	25.05	0.320	24.76	0.299
20		50	25	24.70	0.295	24.95	0.313	24.99	0.316
20	DFT-s-OFDM 16QAM	1	1	24.84	0.305	24.73	0.297	25.18	0.330
20		1	104	24.81	0.303	25.10	0.324	24.94	0.312
20		50	25	24.67	0.293	24.92	0.310	24.98	0.315
20	DFT-s-OFDM 64QAM	1	1	23.21	0.209	23.05	0.202	23.48	0.223
20		1	104	23.13	0.206	23.53	0.225	23.34	0.216
20		50	25	23.13	0.206	23.49	0.223	23.52	0.225
20	DFT-s-OFDM 256QAM	1	1	20.99	0.126	20.83	0.121	21.22	0.132
20		1	104	20.77	0.119	21.22	0.132	21.05	0.127
20		50	25	21.11	0.129	21.35	0.136	21.49	0.141
Channel				344000		349000		354000	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	DFT-s-OFDM PI/2 BPSK	1	1	24.79	0.301	24.75	0.299	24.94	0.312
15		1	77	24.63	0.290	25.12	0.325	24.98	0.315
15		36	18	24.72	0.296	24.93	0.311	24.87	0.307
15	DFT-s-OFDM QPSK	1	1	24.79	0.301	24.66	0.292	24.92	0.310
15		1	77	24.63	0.290	25.06	0.321	24.90	0.309
15		36	18	24.69	0.294	24.90	0.309	25.01	0.317
15	DFT-s-OFDM 16QAM	1	1	24.72	0.296	24.84	0.305	25.06	0.321
15		1	77	24.69	0.294	25.11	0.324	24.91	0.310
15		36	18	24.70	0.295	24.93	0.311	24.92	0.310
15	DFT-s-OFDM 64QAM	1	1	23.13	0.206	23.23	0.210	23.44	0.221
15		1	77	23.03	0.201	23.53	0.225	23.31	0.214
15		36	18	23.25	0.211	23.39	0.218	23.45	0.221
15	DFT-s-OFDM	1	1	20.74	0.119	20.92	0.124	21.15	0.130



15	256QAM	1	77	20.59	0.115	21.22	0.132	21.10	0.129
15		36	18	21.15	0.130	21.34	0.136	21.48	0.141
Channel				343000		349000		355000	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
10	DFT-s-OFDM PI/2 BPSK	1	1	24.63	0.290	24.82	0.303	24.90	0.309
10		1	50	24.52	0.283	24.90	0.309	24.87	0.307
10		25	12	24.62	0.290	24.98	0.315	24.89	0.308
10	DFT-s-OFDM QPSK	1	1	24.57	0.286	24.64	0.291	24.85	0.305
10		1	50	24.50	0.282	24.86	0.306	24.61	0.289
10		25	12	24.68	0.294	24.85	0.305	24.89	0.308
10	DFT-s-OFDM 16QAM	1	1	24.78	0.301	24.75	0.299	24.87	0.307
10		1	50	24.64	0.291	24.87	0.307	24.82	0.303
10		25	12	24.61	0.289	24.77	0.300	24.74	0.298
10	DFT-s-OFDM 64QAM	1	1	23.00	0.200	23.11	0.205	23.21	0.209
10		1	50	23.00	0.200	23.25	0.211	23.20	0.209
10		25	12	23.11	0.205	23.28	0.213	23.27	0.212
10	DFT-s-OFDM 256QAM	1	1	20.84	0.121	20.82	0.121	20.98	0.125
10		1	50	20.70	0.117	21.03	0.127	20.83	0.121
10		25	12	21.07	0.128	21.31	0.135	21.31	0.135
Channel				342500		34900		355500	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	DFT-s-OFDM PI/2 BPSK	1	1	24.68	0.294	24.69	0.294	24.70	0.295
5		1	23	24.61	0.289	24.76	0.299	24.68	0.294
5		12	6	24.62	0.290	24.83	0.304	24.93	0.311
5	DFT-s-OFDM QPSK	1	1	24.61	0.289	24.65	0.292	24.73	0.297
5		1	23	24.51	0.282	24.72	0.296	24.61	0.289
5		12	6	24.73	0.297	24.82	0.303	24.87	0.307
5	DFT-s-OFDM 16QAM	1	1	24.73	0.297	24.81	0.303	24.85	0.305
5		1	23	24.64	0.291	24.88	0.308	24.81	0.303
5		12	6	24.76	0.299	24.68	0.294	24.81	0.303
5	DFT-s-OFDM 64QAM	1	1	23.01	0.200	23.17	0.207	23.19	0.208
5		1	23	23.09	0.204	23.30	0.214	23.20	0.209
5		12	6	23.29	0.213	23.47	0.222	23.46	0.222
5	DFT-s-OFDM 256QAM	1	1	20.87	0.122	20.80	0.120	21.00	0.126
5		1	23	20.85	0.122	20.90	0.123	20.84	0.121
5		12	6	21.14	0.130	21.33	0.136	21.28	0.134



EN-DC_7A-N66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				346000		349000		352000	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	CP-OFDM QPSK	1	1	24.46	0.279	24.36	0.273	24.72	0.296
20		1	104	24.33	0.271	24.46	0.279	24.20	0.263
20		50	25	24.07	0.255	24.40	0.275	24.47	0.280
20	CP-OFDM 16QAM	1	1	23.94	0.248	23.68	0.233	24.09	0.256
20		1	104	23.78	0.239	24.02	0.252	23.60	0.229
20		50	25	23.60	0.229	23.86	0.243	24.02	0.252
20	CP-OFDM 64QAM	1	1	22.36	0.172	22.19	0.166	22.49	0.177
20		1	104	22.23	0.167	22.48	0.177	22.44	0.175
20		50	25	22.14	0.164	22.43	0.175	22.51	0.178
20	CP-OFDM 256QAM	1	1	19.02	0.080	18.82	0.076	19.19	0.083
20		1	104	18.79	0.076	19.20	0.083	19.05	0.080
20		50	25	19.10	0.081	19.44	0.088	19.47	0.089
Channel				344000		349000		354000	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	CP-OFDM QPSK	1	1	24.33	0.271	24.38	0.274	24.43	0.277
15		1	77	24.13	0.259	24.39	0.275	24.12	0.258
15		36	18	22.72	0.187	22.88	0.194	23.07	0.203
15	CP-OFDM 16QAM	1	1	23.87	0.244	23.87	0.244	24.04	0.254
15		1	77	23.57	0.228	24.04	0.254	23.55	0.226
15		36	18	22.84	0.192	22.90	0.195	23.09	0.204
15	CP-OFDM 64QAM	1	1	22.21	0.166	22.19	0.166	22.40	0.174
15		1	77	22.01	0.159	22.46	0.176	22.28	0.169
15		36	18	22.18	0.165	22.32	0.171	22.42	0.175
15	CP-OFDM 256QAM	1	1	18.91	0.078	18.96	0.079	19.24	0.084
15		1	77	18.76	0.075	19.31	0.085	19.10	0.081
15		36	18	19.23	0.084	19.33	0.086	19.45	0.088
Channel				343000		349000		355000	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
10	CP-OFDM	1	1	24.32	0.270	24.12	0.258	24.31	0.270



10	QPSK	1	50	23.95	0.248	24.58	0.287	24.30	0.269
10		25	12	24.10	0.257	24.37	0.274	24.43	0.277
10	CP-OFDM 16QAM	1	1	23.75	0.237	23.71	0.235	24.04	0.254
10		1	50	23.65	0.232	24.00	0.251	23.73	0.236
10		25	12	23.65	0.232	23.86	0.243	23.87	0.244
10	CP-OFDM 64QAM	1	1	22.14	0.164	22.19	0.166	22.40	0.174
10		1	50	22.00	0.158	22.39	0.173	22.32	0.171
10		25	12	22.18	0.165	22.34	0.171	22.34	0.171
10	CP-OFDM 256QAM	1	1	18.80	0.076	18.75	0.075	18.99	0.079
10		1	50	18.77	0.075	19.06	0.081	18.93	0.078
10		25	12	19.11	0.081	19.37	0.086	19.33	0.086
Channel				342500		34900		355500	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	CP-OFDM QPSK	1	1	24.10	0.257	24.13	0.259	24.25	0.266
5		1	23	23.93	0.247	24.47	0.280	24.14	0.259
5		12	6	24.12	0.258	24.26	0.267	24.29	0.269
5	CP-OFDM 16QAM	1	1	23.81	0.240	23.83	0.242	23.84	0.242
5		1	23	23.56	0.227	23.77	0.238	23.73	0.236
5		12	6	23.60	0.229	23.81	0.240	23.72	0.236
5	CP-OFDM 64QAM	1	1	22.18	0.165	22.21	0.166	22.28	0.169
5		1	23	21.98	0.158	22.22	0.167	22.20	0.166
5		12	6	22.13	0.163	22.33	0.171	22.42	0.175
5	CP-OFDM 256QAM	1	1	18.79	0.076	18.98	0.079	18.99	0.079
5		1	23	18.72	0.074	18.99	0.079	18.86	0.077
5		12	6	19.23	0.084	19.40	0.087	19.38	0.087



EN-DC_12A-N66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				346000		349000		352000	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	DFT-s-OFDM PI/2 BPSK	1	1	24.70	0.295	24.74	0.298	24.75	0.299
20		1	104	24.62	0.290	24.95	0.313	24.52	0.283
20		50	25	24.58	0.287	24.92	0.310	24.56	0.286
20	DFT-s-OFDM QPSK	1	1	24.59	0.288	24.47	0.280	24.70	0.295
20		1	104	24.62	0.290	24.77	0.300	24.33	0.271
20		50	25	24.66	0.292	24.79	0.301	24.58	0.287
20	DFT-s-OFDM 16QAM	1	1	24.81	0.303	24.67	0.293	24.83	0.304
20		1	104	24.72	0.296	24.94	0.312	24.48	0.281
20		50	25	24.57	0.286	24.76	0.299	24.56	0.286
20	DFT-s-OFDM 64QAM	1	1	23.08	0.203	22.92	0.196	23.13	0.206
20		1	104	23.04	0.201	23.19	0.208	22.89	0.195
20		50	25	23.16	0.207	23.35	0.216	23.12	0.205
20	DFT-s-OFDM 256QAM	1	1	20.79	0.120	20.70	0.117	20.89	0.123
20		1	104	20.76	0.119	20.98	0.125	20.67	0.117
20		50	25	21.04	0.127	21.23	0.133	21.09	0.129
Channel				344000		349000		354000	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	DFT-s-OFDM PI/2 BPSK	1	1	24.74	0.298	24.58	0.287	24.59	0.288
15		1	77	24.67	0.293	24.92	0.310	24.46	0.279
15		36	18	24.60	0.288	24.70	0.295	24.53	0.284
15	DFT-s-OFDM QPSK	1	1	24.54	0.284	24.70	0.295	24.61	0.289
15		1	77	24.48	0.281	24.86	0.306	24.50	0.282
15		36	18	24.59	0.288	24.74	0.298	24.56	0.286
15	DFT-s-OFDM 16QAM	1	1	24.74	0.298	24.71	0.296	24.66	0.292
15		1	77	24.62	0.290	24.92	0.310	24.44	0.278
15		36	18	24.60	0.288	24.67	0.293	24.55	0.285
15	DFT-s-OFDM 64QAM	1	1	23.06	0.202	23.00	0.200	23.06	0.202
15		1	77	22.91	0.195	23.28	0.213	22.90	0.195
15		36	18	23.06	0.202	23.22	0.210	23.08	0.203
15	DFT-s-OFDM	1	1	20.78	0.120	20.83	0.121	20.75	0.119



15	256QAM	1	77	20.67	0.117	21.02	0.126	20.57	0.114
15		36	18	21.06	0.128	21.13	0.130	20.95	0.124
Channel				343000		349000		355000	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
10	DFT-s-OFDM PI/2 BPSK	1	1	24.49	0.281	24.61	0.289	24.46	0.279
10		1	50	24.42	0.277	24.71	0.296	24.32	0.270
10		25	12	24.74	0.298	24.78	0.301	24.37	0.274
10	DFT-s-OFDM QPSK	1	1	24.50	0.282	24.51	0.282	24.40	0.275
10		1	50	24.33	0.271	24.64	0.291	24.15	0.260
10		25	12	24.50	0.282	24.64	0.291	24.47	0.280
10	DFT-s-OFDM 16QAM	1	1	24.62	0.290	24.68	0.294	24.36	0.273
10		1	50	24.46	0.279	24.69	0.294	24.27	0.267
10		25	12	24.51	0.282	24.63	0.290	24.34	0.272
10	DFT-s-OFDM 64QAM	1	1	22.93	0.196	22.95	0.197	22.77	0.189
10		1	50	22.81	0.191	22.97	0.198	22.65	0.184
10		25	12	22.99	0.199	23.04	0.201	22.80	0.191
10	DFT-s-OFDM 256QAM	1	1	20.66	0.116	20.64	0.116	20.54	0.113
10		1	50	20.57	0.114	20.82	0.121	20.36	0.109
10		25	12	21.00	0.126	21.06	0.128	20.84	0.121
Channel				342500		34900		355500	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	DFT-s-OFDM PI/2 BPSK	1	1	24.41	0.276	24.54	0.284	24.15	0.260
5		1	23	24.41	0.276	24.59	0.288	24.11	0.258
5		12	6	24.65	0.292	24.47	0.280	24.22	0.264
5	DFT-s-OFDM QPSK	1	1	24.51	0.282	24.48	0.281	24.24	0.265
5		1	23	24.30	0.269	24.52	0.283	24.10	0.257
5		12	6	24.51	0.282	24.59	0.288	24.26	0.267
5	DFT-s-OFDM 16QAM	1	1	24.58	0.287	24.61	0.289	24.30	0.269
5		1	23	24.57	0.286	24.54	0.284	24.24	0.265
5		12	6	24.58	0.287	24.42	0.277	24.23	0.265
5	DFT-s-OFDM 64QAM	1	1	22.85	0.193	22.86	0.193	22.60	0.182
5		1	23	22.91	0.195	22.95	0.197	22.67	0.185
5		12	6	23.10	0.204	23.09	0.204	22.85	0.193
5	DFT-s-OFDM 256QAM	1	1	20.64	0.116	20.65	0.116	20.37	0.109
5		1	23	20.61	0.115	20.71	0.118	20.37	0.109
5		12	6	20.98	0.125	21.05	0.127	20.77	0.119



EN-DC_12A-N66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				346000		349000		352000	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	CP-OFDM QPSK	1	1	24.32	0.270	24.03	0.253	24.50	0.282
20		1	104	23.98	0.250	24.39	0.275	23.82	0.241
20		50	25	24.05	0.254	24.26	0.267	24.10	0.257
20	CP-OFDM 16QAM	1	1	23.81	0.240	23.63	0.231	23.79	0.239
20		1	104	23.63	0.231	23.85	0.243	23.26	0.212
20		50	25	23.61	0.230	23.72	0.236	23.56	0.227
20	CP-OFDM 64QAM	1	1	22.08	0.161	22.17	0.165	22.18	0.165
20		1	104	21.94	0.156	22.36	0.172	21.98	0.158
20		50	25	22.09	0.162	22.38	0.173	22.11	0.163
20	CP-OFDM 256QAM	1	1	18.85	0.077	18.75	0.075	18.86	0.077
20		1	104	18.74	0.075	18.96	0.079	18.60	0.072
20		50	25	19.07	0.081	19.29	0.085	19.06	0.081
Channel				344000		349000		354000	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	CP-OFDM QPSK	1	1	24.12	0.258	24.03	0.253	24.04	0.254
15		1	77	23.76	0.238	24.02	0.252	23.71	0.235
15		36	18	22.63	0.183	22.73	0.187	22.65	0.184
15	CP-OFDM 16QAM	1	1	23.69	0.234	23.72	0.236	23.71	0.235
15		1	77	23.48	0.223	23.74	0.237	23.23	0.210
15		36	18	22.74	0.188	22.81	0.191	22.59	0.182
15	CP-OFDM 64QAM	1	1	22.11	0.163	22.12	0.163	22.06	0.161
15		1	77	21.88	0.154	22.07	0.161	21.84	0.153
15		36	18	22.18	0.165	22.23	0.167	22.03	0.160
15	CP-OFDM 256QAM	1	1	18.82	0.076	18.81	0.076	18.75	0.075
15		1	77	18.69	0.074	18.97	0.079	18.56	0.072
15		36	18	19.05	0.080	19.17	0.083	19.06	0.081
Channel				343000		349000		355000	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
10	CP-OFDM	1	1	23.99	0.251	23.98	0.250	24.09	0.256



10	QPSK	1	50	24.11	0.258	24.34	0.272	23.64	0.231
10		25	12	24.06	0.255	24.16	0.261	23.86	0.243
10	CP-OFDM 16QAM	1	1	23.59	0.229	23.60	0.229	23.51	0.224
10		1	50	23.45	0.221	23.64	0.231	23.34	0.216
10		25	12	23.49	0.223	23.61	0.230	23.40	0.219
10	CP-OFDM 64QAM	1	1	22.08	0.161	22.01	0.159	21.93	0.156
10		1	50	21.92	0.156	22.13	0.163	21.73	0.149
10		25	12	22.04	0.160	22.10	0.162	21.86	0.153
10	CP-OFDM 256QAM	1	1	18.73	0.075	18.75	0.075	18.61	0.073
10		1	50	18.63	0.073	18.81	0.076	18.53	0.071
10		25	12	19.02	0.080	19.07	0.081	18.87	0.077
Channel				342500		34900		355500	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	CP-OFDM QPSK	1	1	23.87	0.244	24.21	0.264	24.15	0.260
5		1	23	23.50	0.224	23.87	0.244	23.79	0.239
5		12	6	23.69	0.234	23.97	0.249	23.95	0.248
5	CP-OFDM 16QAM	1	1	23.27	0.212	23.62	0.230	23.66	0.232
5		1	23	23.18	0.208	23.67	0.233	23.48	0.223
5		12	6	23.12	0.205	23.51	0.224	23.40	0.219
5	CP-OFDM 64QAM	1	1	21.78	0.151	21.98	0.158	21.96	0.157
5		1	23	21.53	0.142	22.01	0.159	21.81	0.152
5		12	6	21.80	0.151	22.12	0.163	21.93	0.156
5	CP-OFDM 256QAM	1	1	18.39	0.069	18.64	0.073	18.62	0.073
5		1	23	18.31	0.068	18.68	0.074	18.59	0.072
5		12	6	18.78	0.076	19.18	0.083	19.03	0.080



EN-DC_13A-N66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				346000		349000		352000	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	DFT-s-OFDM PI/2 BPSK	1	1	24.74	0.298	24.66	0.292	24.83	0.304
20		1	104	24.88	0.308	24.90	0.309	24.65	0.292
20		50	25	24.82	0.303	24.89	0.308	24.86	0.306
20	DFT-s-OFDM QPSK	1	1	24.61	0.289	24.57	0.286	24.86	0.306
20		1	104	24.60	0.288	24.87	0.307	24.60	0.288
20		50	25	24.60	0.288	24.87	0.307	24.76	0.299
20	DFT-s-OFDM 16QAM	1	1	24.72	0.296	24.71	0.296	24.92	0.310
20		1	104	24.76	0.299	25.07	0.321	24.74	0.298
20		50	25	24.68	0.294	24.85	0.305	24.69	0.294
20	DFT-s-OFDM 64QAM	1	1	23.12	0.205	23.04	0.201	23.35	0.216
20		1	104	23.16	0.207	23.40	0.219	23.07	0.203
20		50	25	23.10	0.204	23.42	0.220	23.24	0.211
20	DFT-s-OFDM 256QAM	1	1	20.86	0.122	20.83	0.121	20.99	0.126
20		1	104	20.86	0.122	21.13	0.130	20.77	0.119
20		50	25	21.06	0.128	21.34	0.136	21.30	0.135
Channel				344000		349000		354000	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	DFT-s-OFDM PI/2 BPSK	1	1	24.76	0.299	24.64	0.291	24.83	0.304
15		1	77	24.68	0.294	24.93	0.311	24.64	0.291
15		36	18	24.63	0.290	24.75	0.299	24.60	0.288
15	DFT-s-OFDM QPSK	1	1	24.52	0.283	24.62	0.290	24.55	0.285
15		1	77	24.43	0.277	24.72	0.296	24.58	0.287
15		36	18	24.64	0.291	24.79	0.301	24.69	0.294
15	DFT-s-OFDM 16QAM	1	1	24.73	0.297	24.71	0.296	24.73	0.297
15		1	77	24.67	0.293	24.94	0.312	24.65	0.292
15		36	18	24.64	0.291	24.76	0.299	24.70	0.295
15	DFT-s-OFDM 64QAM	1	1	23.07	0.203	23.12	0.205	23.13	0.206
15		1	77	22.92	0.196	23.25	0.211	22.99	0.199
15		36	18	23.22	0.210	23.32	0.215	23.17	0.207
15	DFT-s-OFDM	1	1	20.76	0.119	20.88	0.122	20.81	0.121



15	256QAM	1	77	20.73	0.118	21.05	0.127	20.69	0.117
15		36	18	21.03	0.127	21.26	0.134	21.05	0.127
Channel				343000		349000		355000	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
10	DFT-s-OFDM PI/2 BPSK	1	1	24.68	0.294	24.59	0.288	24.40	0.275
10		1	50	24.56	0.286	24.85	0.305	24.31	0.270
10		25	12	24.79	0.301	24.74	0.298	24.44	0.278
10	DFT-s-OFDM QPSK	1	1	24.49	0.281	24.44	0.278	24.46	0.279
10		1	50	24.46	0.279	24.57	0.286	24.35	0.272
10		25	12	24.74	0.298	24.81	0.303	24.61	0.289
10	DFT-s-OFDM 16QAM	1	1	24.60	0.288	24.76	0.299	24.55	0.285
10		1	50	24.59	0.288	24.82	0.303	24.43	0.277
10		25	12	24.58	0.287	24.65	0.292	24.55	0.285
10	DFT-s-OFDM 64QAM	1	1	22.91	0.195	23.04	0.201	22.87	0.194
10		1	50	22.85	0.193	23.19	0.208	22.75	0.188
10		25	12	22.98	0.199	23.11	0.205	22.92	0.196
10	DFT-s-OFDM 256QAM	1	1	20.62	0.115	20.75	0.119	20.68	0.117
10		1	50	20.63	0.116	20.87	0.122	20.60	0.115
10		25	12	20.96	0.125	21.18	0.131	20.91	0.123
Channel				342500		34900		355500	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	DFT-s-OFDM PI/2 BPSK	1	1	24.63	0.290	24.52	0.283	24.55	0.285
5		1	23	24.51	0.282	24.78	0.301	24.55	0.285
5		12	6	24.57	0.286	24.87	0.307	24.44	0.278
5	DFT-s-OFDM QPSK	1	1	24.55	0.285	24.54	0.284	24.37	0.274
5		1	23	24.43	0.277	24.60	0.288	24.43	0.277
5		12	6	24.55	0.285	24.77	0.300	24.50	0.282
5	DFT-s-OFDM 16QAM	1	1	24.72	0.296	24.66	0.292	24.68	0.294
5		1	23	24.60	0.288	24.73	0.297	24.53	0.284
5		12	6	24.49	0.281	24.50	0.282	24.47	0.280
5	DFT-s-OFDM 64QAM	1	1	23.01	0.200	23.02	0.200	22.91	0.195
5		1	23	23.03	0.201	23.11	0.205	22.94	0.197
5		12	6	23.24	0.211	23.27	0.212	23.09	0.204
5	DFT-s-OFDM 256QAM	1	1	20.76	0.119	20.74	0.119	20.68	0.117
5		1	23	20.70	0.117	20.92	0.124	20.62	0.115
5		12	6	21.12	0.129	21.17	0.131	20.99	0.126



EN-DC_13A-N66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				346000		349000		352000	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	CP-OFDM QPSK	1	1	24.43	0.277	24.09	0.256	24.61	0.289
20		1	104	24.11	0.258	24.41	0.276	23.96	0.249
20		50	25	24.08	0.256	24.33	0.271	24.20	0.263
20	CP-OFDM 16QAM	1	1	23.85	0.243	23.85	0.243	23.84	0.242
20		1	104	23.75	0.237	23.91	0.246	23.44	0.221
20		50	25	23.67	0.233	23.87	0.244	23.80	0.240
20	CP-OFDM 64QAM	1	1	22.29	0.169	22.23	0.167	22.32	0.171
20		1	104	22.06	0.161	22.57	0.181	22.07	0.161
20		50	25	22.09	0.162	22.45	0.176	22.35	0.172
20	CP-OFDM 256QAM	1	1	18.98	0.079	18.89	0.077	19.02	0.080
20		1	104	18.89	0.077	19.07	0.081	18.81	0.076
20		50	25	19.17	0.083	19.38	0.087	19.25	0.084
Channel				344000		349000		354000	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	CP-OFDM QPSK	1	1	24.18	0.262	24.28	0.268	24.09	0.256
15		1	77	23.91	0.246	24.24	0.265	23.86	0.243
15		36	18	22.72	0.187	22.80	0.191	22.74	0.188
15	CP-OFDM 16QAM	1	1	23.76	0.238	23.80	0.240	23.77	0.238
15		1	77	23.55	0.226	23.79	0.239	23.47	0.222
15		36	18	22.75	0.188	22.83	0.192	22.78	0.190
15	CP-OFDM 64QAM	1	1	22.16	0.164	22.10	0.162	22.11	0.163
15		1	77	21.96	0.157	22.31	0.170	21.95	0.157
15		36	18	22.16	0.164	22.26	0.168	22.10	0.162
15	CP-OFDM 256QAM	1	1	18.81	0.076	18.90	0.078	18.82	0.076
15		1	77	18.76	0.075	19.01	0.080	18.67	0.074
15		36	18	19.12	0.082	19.27	0.085	19.15	0.082
Channel				343000		349000		355000	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
10	CP-OFDM	1	1	24.03	0.253	24.32	0.270	24.20	0.263



10	QPSK	1	50	23.90	0.245	24.14	0.259	24.08	0.256
10		25	12	24.15	0.260	24.27	0.267	24.01	0.252
10	CP-OFDM 16QAM	1	1	23.67	0.233	23.66	0.232	23.65	0.232
10		1	50	23.57	0.228	23.88	0.244	23.51	0.224
10		25	12	23.51	0.224	23.74	0.237	23.54	0.226
10	CP-OFDM 64QAM	1	1	22.07	0.161	22.06	0.161	22.07	0.161
10		1	50	21.99	0.158	22.14	0.164	21.97	0.157
10		25	12	22.13	0.163	22.23	0.167	22.03	0.160
10	CP-OFDM 256QAM	1	1	18.68	0.074	18.74	0.075	18.70	0.074
10		1	50	18.74	0.075	18.94	0.078	18.65	0.073
10		25	12	18.98	0.079	19.20	0.083	18.97	0.079
Channel				342500		34900		355500	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	CP-OFDM QPSK	1	1	24.06	0.255	24.22	0.264	23.88	0.244
5		1	23	24.29	0.269	24.01	0.252	24.14	0.259
5		12	6	24.04	0.254	24.10	0.257	23.96	0.249
5	CP-OFDM 16QAM	1	1	23.76	0.238	23.62	0.230	23.54	0.226
5		1	23	23.48	0.223	23.79	0.239	23.42	0.220
5		12	6	23.51	0.224	23.52	0.225	23.43	0.220
5	CP-OFDM 64QAM	1	1	22.05	0.160	22.09	0.162	22.02	0.159
5		1	23	21.93	0.156	22.02	0.159	21.90	0.155
5		12	6	22.19	0.166	22.14	0.164	22.02	0.159
5	CP-OFDM 256QAM	1	1	18.70	0.074	18.72	0.074	18.77	0.075
5		1	23	18.66	0.073	18.77	0.075	18.63	0.073
5		12	6	19.13	0.082	19.13	0.082	19.09	0.081



EN-DC_30A-N66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				346000		349000		352000	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	DFT-s-OFDM PI/2 BPSK	1	1	24.98	0.315	24.85	0.305	25.07	0.321
20		1	104	24.86	0.306	25.09	0.323	24.78	0.301
20		50	25	24.74	0.298	25.00	0.316	24.79	0.301
20	DFT-s-OFDM QPSK	1	1	24.86	0.306	24.79	0.301	24.92	0.310
20		1	104	24.72	0.296	24.93	0.311	24.60	0.288
20		50	25	24.74	0.298	24.98	0.315	24.87	0.307
20	DFT-s-OFDM 16QAM	1	1	24.89	0.308	24.83	0.304	24.96	0.313
20		1	104	24.77	0.300	25.05	0.320	24.81	0.303
20		50	25	24.73	0.297	24.85	0.305	24.79	0.301
20	DFT-s-OFDM 64QAM	1	1	23.22	0.210	23.57	0.228	23.37	0.217
20		1	104	23.21	0.209	23.46	0.222	23.23	0.210
20		50	25	23.26	0.212	23.45	0.221	23.32	0.215
20	DFT-s-OFDM 256QAM	1	1	20.95	0.124	20.89	0.123	21.10	0.129
20		1	104	20.89	0.123	21.21	0.132	20.89	0.123
20		50	25	21.15	0.130	21.39	0.138	21.32	0.136
Channel				344000		349000		354000	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	DFT-s-OFDM PI/2 BPSK	1	1	24.76	0.299	24.79	0.301	24.86	0.306
15		1	77	24.69	0.294	25.13	0.326	24.82	0.303
15		36	18	24.81	0.303	25.04	0.319	24.75	0.299
15	DFT-s-OFDM QPSK	1	1	24.80	0.302	24.93	0.311	24.79	0.301
15		1	77	24.75	0.299	25.07	0.321	24.75	0.299
15		36	18	24.77	0.300	24.94	0.312	24.77	0.300
15	DFT-s-OFDM 16QAM	1	1	24.84	0.305	24.78	0.301	24.86	0.306
15		1	77	24.81	0.303	25.02	0.318	24.75	0.299
15		36	18	24.79	0.301	24.97	0.314	24.85	0.305
15	DFT-s-OFDM 64QAM	1	1	23.15	0.207	23.25	0.211	23.20	0.209
15		1	77	23.34	0.216	23.40	0.219	23.18	0.208
15		36	18	23.29	0.213	23.44	0.221	23.26	0.212
15	DFT-s-OFDM	1	1	20.94	0.124	20.98	0.125	21.09	0.129



15	256QAM	1	77	20.82	0.121	21.22	0.132	20.86	0.122
15		36	18	21.13	0.130	21.38	0.137	21.26	0.134
Channel				343000		349000		355000	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
10	DFT-s-OFDM PI/2 BPSK	1	1	24.74	0.298	24.67	0.293	24.81	0.303
10		1	50	24.64	0.291	24.89	0.308	24.53	0.284
10		25	12	24.91	0.310	24.84	0.305	24.71	0.296
10	DFT-s-OFDM QPSK	1	1	24.67	0.293	24.59	0.288	24.69	0.294
10		1	50	24.57	0.286	24.87	0.307	24.46	0.279
10		25	12	24.75	0.299	24.87	0.307	24.65	0.292
10	DFT-s-OFDM 16QAM	1	1	24.70	0.295	24.74	0.298	24.73	0.297
10		1	50	24.72	0.296	25.01	0.317	24.56	0.286
10		25	12	24.77	0.300	24.85	0.305	24.68	0.294
10	DFT-s-OFDM 64QAM	1	1	23.10	0.204	23.12	0.205	23.05	0.202
10		1	50	23.01	0.200	23.29	0.213	23.06	0.202
10		25	12	23.17	0.207	23.25	0.211	23.06	0.202
10	DFT-s-OFDM 256QAM	1	1	20.85	0.122	20.90	0.123	20.86	0.122
10		1	50	20.79	0.120	20.99	0.126	20.71	0.118
10		25	12	21.14	0.130	21.33	0.136	21.18	0.131
Channel				342500		34900		355500	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	DFT-s-OFDM PI/2 BPSK	1	1	24.69	0.294	24.68	0.294	24.53	0.284
5		1	23	24.59	0.288	24.78	0.301	24.47	0.280
5		12	6	24.75	0.299	24.83	0.304	24.59	0.288
5	DFT-s-OFDM QPSK	1	1	24.62	0.290	24.72	0.296	24.56	0.286
5		1	23	24.62	0.290	24.71	0.296	24.49	0.281
5		12	6	24.69	0.294	24.87	0.307	24.62	0.290
5	DFT-s-OFDM 16QAM	1	1	24.78	0.301	24.77	0.300	24.70	0.295
5		1	23	24.67	0.293	24.84	0.305	24.61	0.289
5		12	6	24.77	0.300	24.73	0.297	24.66	0.292
5	DFT-s-OFDM 64QAM	1	1	23.11	0.205	23.12	0.205	22.97	0.198
5		1	23	23.04	0.201	23.24	0.211	22.91	0.195
5		12	6	23.38	0.218	23.41	0.219	23.20	0.209
5	DFT-s-OFDM 256QAM	1	1	20.91	0.123	20.86	0.122	20.73	0.118
5		1	23	20.86	0.122	20.97	0.125	20.72	0.118
5		12	6	21.15	0.130	21.27	0.134	21.10	0.129



EN-DC_30A-N66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				346000		349000		352000	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	CP-OFDM QPSK	1	1	24.54	0.284	24.24	0.265	24.46	0.279
20		1	104	24.20	0.263	24.70	0.295	24.13	0.259
20		50	25	24.30	0.269	24.48	0.281	24.32	0.270
20	CP-OFDM 16QAM	1	1	23.90	0.245	23.83	0.242	23.97	0.249
20		1	104	23.82	0.241	24.12	0.258	23.75	0.237
20		50	25	23.73	0.236	23.93	0.247	23.86	0.243
20	CP-OFDM 64QAM	1	1	22.37	0.173	22.17	0.165	22.50	0.178
20		1	104	22.34	0.171	22.48	0.177	22.10	0.162
20		50	25	22.25	0.168	22.50	0.178	22.33	0.171
20	CP-OFDM 256QAM	1	1	19.03	0.080	18.94	0.078	19.12	0.082
20		1	104	18.97	0.079	19.15	0.082	18.91	0.078
20		50	25	19.21	0.083	19.43	0.088	19.34	0.086
Channel				344000		349000		354000	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	CP-OFDM QPSK	1	1	24.44	0.278	24.26	0.267	24.53	0.284
15		1	77	24.22	0.264	24.29	0.269	23.94	0.248
15		36	18	22.79	0.190	22.96	0.198	22.87	0.194
15	CP-OFDM 16QAM	1	1	23.83	0.242	23.88	0.244	23.95	0.248
15		1	77	23.86	0.243	24.02	0.252	23.66	0.232
15		36	18	22.86	0.193	22.99	0.199	22.92	0.196
15	CP-OFDM 64QAM	1	1	22.25	0.168	22.26	0.168	22.29	0.169
15		1	77	22.05	0.160	22.39	0.173	22.03	0.160
15		36	18	22.22	0.167	22.38	0.173	22.34	0.171
15	CP-OFDM 256QAM	1	1	18.97	0.079	19.05	0.080	19.03	0.080
15		1	77	18.75	0.075	19.24	0.084	18.94	0.078
15		36	18	19.30	0.085	19.36	0.086	19.34	0.086
Channel				343000		349000		355000	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
10	CP-OFDM	1	1	24.37	0.274	24.41	0.276	24.08	0.256



10	QPSK	1	50	24.27	0.267	24.58	0.287	24.01	0.252
10		25	12	24.16	0.261	24.32	0.270	24.16	0.261
10	CP-OFDM 16QAM	1	1	23.91	0.246	23.83	0.242	23.82	0.241
10		1	50	23.63	0.231	23.90	0.245	23.63	0.231
10		25	12	23.63	0.231	23.83	0.242	23.67	0.233
10	CP-OFDM 64QAM	1	1	22.18	0.165	22.18	0.165	22.17	0.165
10		1	50	22.14	0.164	22.38	0.173	22.02	0.159
10		25	12	22.24	0.167	22.37	0.173	22.23	0.167
10	CP-OFDM 256QAM	1	1	18.95	0.079	18.93	0.078	18.91	0.078
10		1	50	18.82	0.076	19.04	0.080	18.84	0.077
10		25	12	19.17	0.083	19.34	0.086	19.15	0.082
Channel				342500		34900		355500	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	CP-OFDM QPSK	1	1	24.35	0.272	24.43	0.277	24.23	0.265
5		1	23	24.30	0.269	24.46	0.279	24.20	0.263
5		12	6	24.15	0.260	24.29	0.269	24.04	0.254
5	CP-OFDM 16QAM	1	1	23.76	0.238	23.83	0.242	23.64	0.231
5		1	23	23.72	0.236	23.76	0.238	23.75	0.237
5		12	6	23.63	0.231	23.77	0.238	23.57	0.228
5	CP-OFDM 64QAM	1	1	22.11	0.163	22.23	0.167	22.25	0.168
5		1	23	22.09	0.162	22.28	0.169	22.02	0.159
5		12	6	22.25	0.168	22.31	0.170	22.05	0.160
5	CP-OFDM 256QAM	1	1	18.86	0.077	19.02	0.080	18.73	0.075
5		1	23	18.82	0.076	18.98	0.079	18.69	0.074
5		12	6	19.34	0.086	19.35	0.086	19.18	0.083



EN-DC_2A-N71				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				134600		136100		137600	
Frequency (MHz)				673		680.5		688	
				dBm	W	dBm	W	dBm	W
20	DFT-s-OFDM PI/2 BPSK	1	1	22.37	0.173	22.25	0.168	22.29	0.169
20		1	104	22.04	0.160	21.89	0.155	21.79	0.151
20		50	25	22.25	0.168	22.35	0.172	22.03	0.160
20	DFT-s-OFDM QPSK	1	1	22.15	0.164	22.20	0.166	22.24	0.167
20		1	104	22.14	0.164	21.92	0.156	21.75	0.150
20		50	25	22.33	0.171	22.19	0.166	22.20	0.166
20	DFT-s-OFDM 16QAM	1	1	22.39	0.173	22.20	0.166	22.26	0.168
20		1	104	22.18	0.165	22.11	0.163	21.90	0.155
20		50	25	22.31	0.170	22.13	0.163	22.17	0.165
20	DFT-s-OFDM 64QAM	1	1	20.69	0.117	20.56	0.114	20.59	0.115
20		1	104	20.44	0.111	20.45	0.111	20.23	0.105
20		50	25	20.73	0.118	20.73	0.118	20.60	0.115
20	DFT-s-OFDM 256QAM	1	1	18.42	0.070	18.22	0.066	18.27	0.067
20		1	104	18.27	0.067	18.10	0.065	17.99	0.063
20		50	25	18.66	0.073	18.56	0.072	18.52	0.071
Channel				134100		136100		138100	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	DFT-s-OFDM PI/2 BPSK	1	1	22.46	0.176	22.14	0.164	21.76	0.150
15		1	77	22.16	0.164	22.22	0.167	22.05	0.160
15		36	18	22.15	0.164	22.27	0.169	22.13	0.163
15	DFT-s-OFDM QPSK	1	1	22.25	0.168	22.01	0.159	22.02	0.159
15		1	77	22.18	0.165	22.03	0.160	21.85	0.153
15		36	18	22.23	0.167	22.20	0.166	22.05	0.160
15	DFT-s-OFDM 16QAM	1	1	22.42	0.175	22.29	0.169	22.27	0.169
15		1	77	22.19	0.166	22.25	0.168	21.99	0.158
15		36	18	22.26	0.168	22.22	0.167	22.12	0.163
15	DFT-s-OFDM 64QAM	1	1	20.77	0.119	20.64	0.116	20.68	0.117
15		1	77	20.64	0.116	20.60	0.115	20.34	0.108
15		36	18	20.79	0.120	20.76	0.119	20.68	0.117
15	DFT-s-OFDM	1	1	18.45	0.070	18.32	0.068	18.16	0.065



15	256QAM	1	77	18.29	0.067	18.24	0.067	17.87	0.061
15		36	18	18.66	0.073	18.61	0.073	18.54	0.071
Channel				133600		136100		138600	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	DFT-s-OFDM PI/2 BPSK	1	1	22.08	0.161	22.15	0.164	22.05	0.160
10		1	50	22.12	0.163	21.98	0.158	21.75	0.150
10		25	12	22.18	0.165	22.09	0.162	22.23	0.167
10	DFT-s-OFDM QPSK	1	1	22.01	0.159	22.00	0.158	22.07	0.161
10		1	50	22.05	0.160	21.88	0.154	21.95	0.157
10		25	12	22.23	0.167	22.20	0.166	21.98	0.158
10	DFT-s-OFDM 16QAM	1	1	22.22	0.167	22.09	0.162	22.01	0.159
10		1	50	22.05	0.160	21.99	0.158	21.80	0.151
10		25	12	21.94	0.156	22.04	0.160	22.03	0.160
10	DFT-s-OFDM 64QAM	1	1	20.54	0.113	20.42	0.110	20.72	0.118
10		1	50	20.40	0.110	20.45	0.111	20.52	0.113
10		25	12	20.59	0.115	20.47	0.111	20.50	0.112
10	DFT-s-OFDM 256QAM	1	1	18.27	0.067	18.16	0.065	18.20	0.066
10		1	50	18.20	0.066	18.16	0.065	17.98	0.063
10		25	12	18.60	0.072	18.48	0.070	18.43	0.070
Channel				133100		136100		139100	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	DFT-s-OFDM PI/2 BPSK	1	1	22.20	0.166	22.14	0.164	22.00	0.158
5		1	23	22.10	0.162	22.00	0.158	21.73	0.149
5		12	6	22.10	0.162	22.00	0.158	22.02	0.159
5	DFT-s-OFDM QPSK	1	1	22.18	0.165	22.08	0.161	21.94	0.156
5		1	23	22.12	0.163	21.98	0.158	21.75	0.150
5		12	6	22.14	0.164	22.04	0.160	21.87	0.154
5	DFT-s-OFDM 16QAM	1	1	22.24	0.167	22.21	0.166	22.09	0.162
5		1	23	22.15	0.164	22.08	0.161	21.76	0.150
5		12	6	22.28	0.169	21.96	0.157	21.82	0.152
5	DFT-s-OFDM 64QAM	1	1	20.56	0.114	20.61	0.115	20.39	0.109
5		1	23	20.55	0.114	20.37	0.109	20.22	0.105
5		12	6	20.74	0.119	20.58	0.114	20.54	0.113
5	DFT-s-OFDM 256QAM	1	1	18.36	0.069	18.25	0.067	18.15	0.065
5		1	23	18.24	0.067	18.22	0.066	18.39	0.069
5		12	6	18.68	0.074	18.56	0.072	17.87	0.061



EN-DC_2A-N71				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				134600		136100		137600	
Frequency (MHz)				673		680.5		688	
				dBm	W	dBm	W	dBm	W
20	CP-OFDM QPSK	1	1	21.98	0.158	21.50	0.141	21.64	0.146
20		1	104	21.75	0.150	21.70	0.148	21.48	0.141
20		50	25	21.77	0.150	21.58	0.144	21.65	0.146
20	CP-OFDM 16QAM	1	1	21.34	0.136	20.91	0.123	21.23	0.133
20		1	104	21.08	0.128	21.08	0.128	20.77	0.119
20		50	25	21.24	0.133	21.22	0.132	21.12	0.129
20	CP-OFDM 64QAM	1	1	19.76	0.095	19.87	0.097	19.63	0.092
20		1	104	19.42	0.087	19.59	0.091	19.21	0.083
20		50	25	19.78	0.095	19.77	0.095	19.63	0.092
20	CP-OFDM 256QAM	1	1	16.35	0.043	16.35	0.043	16.34	0.043
20		1	104	16.18	0.041	16.15	0.041	16.02	0.040
20		50	25	16.71	0.047	16.65	0.046	16.55	0.045
Channel				134100		136100		138100	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	CP-OFDM QPSK	1	1	21.80	0.151	21.64	0.146	21.87	0.154
15		1	77	21.71	0.148	21.72	0.149	21.47	0.140
15		36	18	20.34	0.108	20.27	0.106	20.08	0.102
15	CP-OFDM 16QAM	1	1	21.34	0.136	21.39	0.138	21.12	0.129
15		1	77	21.08	0.128	20.94	0.124	20.62	0.115
15		36	18	20.42	0.110	20.24	0.106	20.15	0.104
15	CP-OFDM 64QAM	1	1	19.77	0.095	19.72	0.094	19.51	0.089
15		1	77	19.50	0.089	19.44	0.088	19.17	0.083
15		36	18	19.82	0.096	19.72	0.094	19.56	0.090
15	CP-OFDM 256QAM	1	1	16.52	0.045	16.30	0.043	16.35	0.043
15		1	77	16.38	0.043	16.20	0.042	15.98	0.040
15		36	18	16.78	0.048	16.67	0.046	16.52	0.045
Channel				133600		136100		138600	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	CP-OFDM	1	1	21.71	0.148	21.37	0.137	21.56	0.143



10	QPSK	1	50	21.35	0.136	21.42	0.139	21.56	0.143
10		25	12	21.40	0.138	21.41	0.138	21.49	0.141
10	CP-OFDM 16QAM	1	1	21.05	0.127	20.81	0.121	21.13	0.130
10		1	50	20.60	0.115	21.06	0.128	20.88	0.122
10		25	12	20.81	0.121	20.95	0.124	20.97	0.125
10	CP-OFDM 64QAM	1	1	19.50	0.089	19.63	0.092	19.52	0.090
10		1	50	19.15	0.082	19.43	0.088	19.28	0.085
10		25	12	19.33	0.086	19.59	0.091	19.45	0.088
10	CP-OFDM 256QAM	1	1	16.16	0.041	16.40	0.044	16.25	0.042
10		1	50	15.84	0.038	16.30	0.043	16.00	0.040
10		25	12	16.40	0.044	16.60	0.046	16.43	0.044
Channel				133100		136100		139100	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	CP-OFDM QPSK	1	1	21.49	0.141	21.89	0.155	21.71	0.148
5		1	23	21.61	0.145	21.39	0.138	21.35	0.136
5		12	6	21.50	0.141	21.51	0.142	21.40	0.138
5	CP-OFDM 16QAM	1	1	20.94	0.124	21.20	0.132	21.05	0.127
5		1	23	21.05	0.127	21.00	0.126	20.60	0.115
5		12	6	21.04	0.127	20.94	0.124	20.81	0.121
5	CP-OFDM 64QAM	1	1	19.43	0.088	19.49	0.089	19.50	0.089
5		1	23	19.45	0.088	19.39	0.087	19.15	0.082
5		12	6	19.65	0.092	19.55	0.090	19.33	0.086
5	CP-OFDM 256QAM	1	1	16.45	0.044	16.33	0.043	16.16	0.041
5		1	23	16.18	0.041	16.14	0.041	15.84	0.038
5		12	6	16.68	0.047	16.52	0.045	16.40	0.044



EN-DC_7A-N71				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				134600		136100		137600	
Frequency (MHz)				673		680.5		688	
				dBm	W	dBm	W	dBm	W
20	DFT-s-OFDM PI/2 BPSK	1	1	22.51	0.178	22.39	0.173	22.45	0.176
20		1	104	22.35	0.172	22.44	0.175	22.33	0.171
20		50	25	22.37	0.173	22.44	0.175	22.50	0.178
20	DFT-s-OFDM QPSK	1	1	22.43	0.175	22.20	0.166	22.29	0.169
20		1	104	22.45	0.176	22.35	0.172	22.31	0.170
20		50	25	22.37	0.173	22.50	0.178	22.51	0.178
20	DFT-s-OFDM 16QAM	1	1	22.50	0.178	22.34	0.171	22.50	0.178
20		1	104	22.46	0.176	22.48	0.177	22.36	0.172
20		50	25	22.22	0.167	22.38	0.173	22.54	0.179
20	DFT-s-OFDM 64QAM	1	1	20.80	0.120	20.65	0.116	20.87	0.122
20		1	104	20.83	0.121	20.85	0.122	20.71	0.118
20		50	25	20.75	0.119	20.94	0.124	21.03	0.127
20	DFT-s-OFDM 256QAM	1	1	18.49	0.071	18.33	0.068	18.47	0.070
20		1	104	18.61	0.073	18.51	0.071	18.37	0.069
20		50	25	18.71	0.074	18.92	0.078	18.92	0.078
Channel				134100		136100		138100	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	DFT-s-OFDM PI/2 BPSK	1	1	22.52	0.179	22.23	0.167	22.40	0.174
15		1	77	22.41	0.174	22.34	0.171	22.21	0.166
15		36	18	22.24	0.167	22.03	0.160	21.92	0.156
15	DFT-s-OFDM QPSK	1	1	22.36	0.172	22.26	0.168	22.44	0.175
15		1	77	22.33	0.171	22.44	0.175	22.32	0.171
15		36	18	22.28	0.169	22.46	0.176	22.41	0.174
15	DFT-s-OFDM 16QAM	1	1	22.49	0.177	22.34	0.171	22.52	0.179
15		1	77	22.38	0.173	22.53	0.179	22.29	0.169
15		36	18	22.31	0.170	22.44	0.175	22.46	0.176
15	DFT-s-OFDM 64QAM	1	1	20.82	0.121	20.60	0.115	20.79	0.120
15		1	77	20.65	0.116	20.84	0.121	20.88	0.122
15		36	18	20.80	0.120	20.94	0.124	21.00	0.126
15	DFT-s-OFDM	1	1	18.53	0.071	18.36	0.069	18.46	0.070



15	256QAM	1	77	18.51	0.071	18.64	0.073	18.41	0.069
15		36	18	18.71	0.074	18.85	0.077	18.88	0.077
Channel				133600		136100		138600	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	DFT-s-OFDM PI/2 BPSK	1	1	22.32	0.171	22.15	0.164	22.49	0.177
10		1	50	22.02	0.159	22.52	0.179	22.24	0.167
10		25	12	22.28	0.169	22.32	0.171	22.47	0.177
10	DFT-s-OFDM QPSK	1	1	22.23	0.167	22.17	0.165	22.42	0.175
10		1	50	22.03	0.160	22.27	0.169	22.19	0.166
10		25	12	22.29	0.169	22.52	0.179	22.41	0.174
10	DFT-s-OFDM 16QAM	1	1	22.23	0.167	22.17	0.165	22.46	0.176
10		1	50	22.13	0.163	22.51	0.178	22.24	0.167
10		25	12	22.18	0.165	22.40	0.174	22.30	0.170
10	DFT-s-OFDM 64QAM	1	1	20.67	0.117	20.53	0.113	20.74	0.119
10		1	50	20.48	0.112	20.85	0.122	20.53	0.113
10		25	12	20.62	0.115	20.82	0.121	20.76	0.119
10	DFT-s-OFDM 256QAM	1	1	18.29	0.067	18.22	0.066	18.48	0.070
10		1	50	18.10	0.065	18.59	0.072	18.26	0.067
10		25	12	18.68	0.074	18.86	0.077	18.77	0.075
Channel				133100		136100		139100	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	DFT-s-OFDM PI/2 BPSK	1	1	22.31	0.170	22.32	0.171	22.58	0.181
5		1	23	22.21	0.166	22.17	0.165	22.17	0.165
5		12	6	22.41	0.174	22.26	0.168	22.33	0.171
5	DFT-s-OFDM QPSK	1	1	22.07	0.161	22.22	0.167	22.33	0.171
5		1	23	22.09	0.162	22.19	0.166	22.15	0.164
5		12	6	22.27	0.169	22.36	0.172	22.30	0.170
5	DFT-s-OFDM 16QAM	1	1	22.32	0.171	22.34	0.171	22.39	0.173
5		1	23	22.14	0.164	22.33	0.171	22.25	0.168
5		12	6	22.29	0.169	22.23	0.167	22.29	0.169
5	DFT-s-OFDM 64QAM	1	1	20.59	0.115	20.70	0.117	20.80	0.120
5		1	23	20.51	0.112	20.59	0.115	20.53	0.113
5		12	6	20.74	0.119	20.92	0.124	20.92	0.124
5	DFT-s-OFDM 256QAM	1	1	18.41	0.069	18.43	0.070	18.47	0.070
5		1	23	18.27	0.067	18.39	0.069	18.28	0.067
5		12	6	18.74	0.075	18.80	0.076	18.72	0.074



EN-DC_7A-N71				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				134600		136100		137600	
Frequency (MHz)				673		680.5		688	
				dBm	W	dBm	W	dBm	W
20	CP-OFDM QPSK	1	1	22.13	0.163	21.85	0.153	21.84	0.153
20		1	104	21.80	0.151	21.95	0.157	21.83	0.152
20		50	25	21.79	0.151	21.89	0.155	21.91	0.155
20	CP-OFDM 16QAM	1	1	21.62	0.145	21.39	0.138	21.57	0.144
20		1	104	21.42	0.139	21.45	0.140	21.33	0.136
20		50	25	21.33	0.136	21.41	0.138	21.45	0.140
20	CP-OFDM 64QAM	1	1	20.10	0.102	19.73	0.094	19.94	0.099
20		1	104	19.94	0.099	19.90	0.098	19.79	0.095
20		50	25	19.86	0.097	19.90	0.098	19.96	0.099
20	CP-OFDM 256QAM	1	1	16.75	0.047	16.63	0.046	16.68	0.047
20		1	104	16.79	0.048	16.74	0.047	16.62	0.046
20		50	25	17.00	0.050	17.14	0.052	17.09	0.051
Channel				134100		136100		138100	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	CP-OFDM QPSK	1	1	21.91	0.155	21.68	0.147	21.78	0.151
15		1	77	21.93	0.156	22.11	0.163	21.56	0.143
15		36	18	20.45	0.111	20.32	0.108	20.55	0.114
15	CP-OFDM 16QAM	1	1	21.51	0.142	21.36	0.137	21.48	0.141
15		1	77	21.24	0.133	21.29	0.135	21.08	0.128
15		36	18	20.38	0.109	20.36	0.109	20.58	0.114
15	CP-OFDM 64QAM	1	1	19.91	0.098	19.72	0.094	19.84	0.096
15		1	77	19.71	0.094	19.76	0.095	19.60	0.091
15		36	18	19.91	0.098	19.80	0.095	20.02	0.100
15	CP-OFDM 256QAM	1	1	16.83	0.048	16.62	0.046	16.85	0.048
15		1	77	16.75	0.047	16.68	0.047	16.65	0.046
15		36	18	17.06	0.051	17.05	0.051	17.03	0.050
Channel				133600		136100		138600	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	CP-OFDM	1	1	21.71	0.148	21.85	0.153	22.11	0.163



10	QPSK	1	50	21.82	0.152	21.85	0.153	21.65	0.146
10		25	12	21.78	0.151	21.91	0.155	21.83	0.152
10	CP-OFDM 16QAM	1	1	21.24	0.133	21.23	0.133	21.47	0.140
10		1	50	21.19	0.132	21.54	0.143	21.28	0.134
10		25	12	21.16	0.131	21.38	0.137	21.39	0.138
10	CP-OFDM 64QAM	1	1	19.69	0.093	19.58	0.091	19.84	0.096
10		1	50	19.61	0.091	19.82	0.096	19.74	0.094
10		25	12	19.74	0.094	19.89	0.097	19.83	0.096
10	CP-OFDM 256QAM	1	1	16.63	0.046	16.41	0.044	16.75	0.047
10		1	50	16.50	0.045	16.67	0.046	16.69	0.047
10		25	12	16.81	0.048	17.01	0.050	17.04	0.051
Channel				133100		136100		139100	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	CP-OFDM QPSK	1	1	21.61	0.145	21.95	0.157	22.09	0.162
5		1	23	21.79	0.151	21.91	0.155	21.48	0.141
5		12	6	21.63	0.146	21.81	0.152	21.66	0.147
5	CP-OFDM 16QAM	1	1	21.20	0.132	21.36	0.137	21.37	0.137
5		1	23	21.30	0.135	21.08	0.128	20.98	0.125
5		12	6	21.09	0.129	21.15	0.130	21.11	0.129
5	CP-OFDM 64QAM	1	1	19.71	0.094	19.75	0.094	19.89	0.097
5		1	23	19.49	0.089	19.50	0.089	19.58	0.091
5		12	6	19.71	0.094	19.83	0.096	19.78	0.095
5	CP-OFDM 256QAM	1	1	16.61	0.046	16.64	0.046	16.70	0.047
5		1	23	16.39	0.044	16.58	0.045	16.49	0.045
5		12	6	16.87	0.049	16.97	0.050	16.89	0.049



EN-DC_66A-N71				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				134600		136100		137600	
Frequency (MHz)				673		680.5		688	
				dBm	W	dBm	W	dBm	W
20	DFT-s-OFDM PI/2 BPSK	1	1	22.24	0.167	22.25	0.168	22.24	0.167
20		1	104	22.01	0.159	22.10	0.162	21.96	0.157
20		50	25	22.25	0.168	22.18	0.165	22.23	0.167
20	DFT-s-OFDM QPSK	1	1	22.22	0.167	22.23	0.167	22.28	0.169
20		1	104	22.12	0.163	22.06	0.161	21.91	0.155
20		50	25	22.31	0.170	22.15	0.164	22.01	0.159
20	DFT-s-OFDM 16QAM	1	1	22.41	0.174	22.20	0.166	22.36	0.172
20		1	104	22.22	0.167	22.01	0.159	21.92	0.156
20		50	25	22.23	0.167	22.04	0.160	22.00	0.158
20	DFT-s-OFDM 64QAM	1	1	20.70	0.117	20.96	0.125	20.70	0.117
20		1	104	20.46	0.111	20.84	0.121	20.24	0.106
20		50	25	20.74	0.119	20.73	0.118	20.52	0.113
20	DFT-s-OFDM 256QAM	1	1	18.37	0.069	18.19	0.066	18.34	0.068
20		1	104	18.22	0.066	18.16	0.065	17.95	0.062
20		50	25	18.60	0.072	18.59	0.072	18.50	0.071
Channel				134100		136100		138100	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	DFT-s-OFDM PI/2 BPSK	1	1	22.30	0.170	22.29	0.169	22.22	0.167
15		1	77	22.29	0.169	22.05	0.160	21.85	0.153
15		36	18	22.28	0.169	22.29	0.169	22.19	0.166
15	DFT-s-OFDM QPSK	1	1	22.42	0.175	22.19	0.166	22.15	0.164
15		1	77	22.37	0.173	22.09	0.162	21.98	0.158
15		36	18	22.27	0.169	22.20	0.166	22.08	0.161
15	DFT-s-OFDM 16QAM	1	1	22.35	0.172	22.30	0.170	22.10	0.162
15		1	77	22.22	0.167	22.17	0.165	21.83	0.152
15		36	18	22.34	0.171	22.31	0.170	22.15	0.164
15	DFT-s-OFDM 64QAM	1	1	21.13	0.130	20.61	0.115	20.88	0.122
15		1	77	20.88	0.122	20.57	0.114	20.62	0.115
15		36	18	20.76	0.119	20.84	0.121	20.58	0.114
15	DFT-s-OFDM	1	1	18.63	0.073	18.37	0.069	18.30	0.068



15	256QAM	1	77	18.31	0.068	18.20	0.066	18.03	0.064
15		36	18	18.68	0.074	18.67	0.074	18.56	0.072
Channel				133600		136100		138600	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	DFT-s-OFDM PI/2 BPSK	1	1	22.21	0.166	22.18	0.165	22.20	0.166
10		1	50	22.14	0.164	22.10	0.162	21.86	0.153
10		25	12	22.17	0.165	22.29	0.169	22.08	0.161
10	DFT-s-OFDM QPSK	1	1	22.15	0.164	22.02	0.159	22.03	0.160
10		1	50	22.08	0.161	21.98	0.158	21.72	0.149
10		25	12	22.20	0.166	22.21	0.166	22.11	0.163
10	DFT-s-OFDM 16QAM	1	1	22.20	0.166	22.05	0.160	22.15	0.164
10		1	50	22.11	0.163	22.07	0.161	21.96	0.157
10		25	12	22.01	0.159	22.01	0.159	21.95	0.157
10	DFT-s-OFDM 64QAM	1	1	20.62	0.115	20.49	0.112	20.49	0.112
10		1	50	20.47	0.111	20.41	0.110	20.21	0.105
10		25	12	20.55	0.114	20.54	0.113	20.45	0.111
10	DFT-s-OFDM 256QAM	1	1	18.32	0.068	18.17	0.066	18.17	0.066
10		1	50	18.15	0.065	18.17	0.066	17.96	0.063
10		25	12	18.63	0.073	18.51	0.071	18.66	0.073
Channel				133100		136100		139100	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	DFT-s-OFDM PI/2 BPSK	1	1	21.93	0.156	22.28	0.169	22.13	0.163
5		1	23	22.22	0.167	22.04	0.160	21.77	0.150
5		12	6	22.19	0.166	22.12	0.163	21.86	0.153
5	DFT-s-OFDM QPSK	1	1	22.15	0.164	22.05	0.160	21.90	0.155
5		1	23	22.19	0.166	22.06	0.161	21.83	0.152
5		12	6	22.20	0.166	22.15	0.164	21.99	0.158
5	DFT-s-OFDM 16QAM	1	1	22.30	0.170	22.28	0.169	22.08	0.161
5		1	23	22.13	0.163	22.06	0.161	21.77	0.150
5		12	6	22.17	0.165	22.14	0.164	21.84	0.153
5	DFT-s-OFDM 64QAM	1	1	20.60	0.115	20.64	0.116	20.41	0.110
5		1	23	20.57	0.114	20.50	0.112	20.24	0.106
5		12	6	20.82	0.121	20.67	0.117	20.56	0.114
5	DFT-s-OFDM 256QAM	1	1	18.25	0.067	18.31	0.068	18.16	0.065
5		1	23	18.11	0.065	18.19	0.066	17.89	0.062
5		12	6	18.70	0.074	18.52	0.071	18.37	0.069



EN-DC_66A-N71				Measured ERP					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				134600		136100		137600	
Frequency (MHz)				673		680.5		688	
				dBm	W	dBm	W	dBm	W
20	CP-OFDM QPSK	1	1	21.98	0.158	21.41	0.138	21.71	0.148
20		1	104	21.55	0.143	21.54	0.143	21.25	0.133
20		50	25	21.81	0.152	21.65	0.146	21.60	0.145
20	CP-OFDM 16QAM	1	1	21.39	0.138	20.76	0.119	21.17	0.131
20		1	104	21.06	0.128	21.12	0.129	20.84	0.121
20		50	25	21.25	0.133	21.18	0.131	21.18	0.131
20	CP-OFDM 64QAM	1	1	19.75	0.094	19.79	0.095	19.49	0.089
20		1	104	19.43	0.088	19.50	0.089	19.26	0.084
20		50	25	19.79	0.095	19.72	0.094	19.58	0.091
20	CP-OFDM 256QAM	1	1	16.49	0.045	16.35	0.043	16.24	0.042
20		1	104	16.29	0.043	16.26	0.042	16.05	0.040
20		50	25	16.73	0.047	16.64	0.046	16.47	0.044
Channel				134100		136100		138100	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	CP-OFDM QPSK	1	1	21.89	0.155	21.67	0.147	21.96	0.157
15		1	77	21.74	0.149	21.72	0.149	21.38	0.137
15		36	18	20.35	0.108	20.25	0.106	20.15	0.104
15	CP-OFDM 16QAM	1	1	21.39	0.138	21.38	0.137	21.17	0.131
15		1	77	21.07	0.128	21.01	0.126	20.70	0.117
15		36	18	20.49	0.112	20.28	0.107	20.22	0.105
15	CP-OFDM 64QAM	1	1	19.76	0.095	19.57	0.091	19.60	0.091
15		1	77	19.51	0.089	19.48	0.089	19.19	0.083
15		36	18	19.84	0.096	19.77	0.095	19.54	0.090
15	CP-OFDM 256QAM	1	1	16.59	0.046	16.37	0.043	16.32	0.043
15		1	77	16.33	0.043	16.25	0.042	16.04	0.040
15		36	18	16.85	0.048	16.64	0.046	16.58	0.045
Channel				133600		136100		138600	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	CP-OFDM	1	1	21.42	0.139	21.81	0.152	21.79	0.151

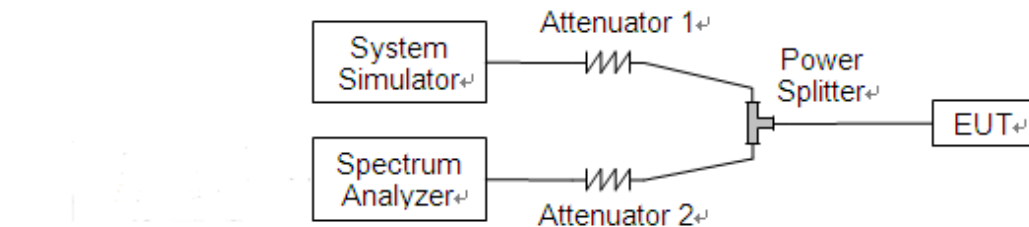
10	QPSK	1	50	21.78	0.151	21.52	0.142	21.56	0.143
10		25	12	21.37	0.137	21.59	0.144	21.58	0.144
10	CP-OFDM 16QAM	1	1	20.86	0.122	21.14	0.130	21.05	0.127
10		1	50	21.09	0.129	21.16	0.131	20.83	0.121
10		25	12	20.92	0.124	21.11	0.129	20.95	0.124
10	CP-OFDM 64QAM	1	1	19.71	0.094	19.55	0.090	19.51	0.089
10		1	50	19.51	0.089	19.49	0.089	19.35	0.086
10		25	12	19.57	0.091	19.62	0.092	19.53	0.090
10	CP-OFDM 256QAM	1	1	16.39	0.044	16.28	0.042	16.29	0.043
10		1	50	16.27	0.042	16.28	0.042	16.04	0.040
10		25	12	16.67	0.046	16.53	0.045	16.47	0.044
Channel				133100		136100		139100	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	CP-OFDM QPSK	1	1	21.41	0.138	21.56	0.143	21.71	0.148
5		1	23	21.49	0.141	21.41	0.138	21.40	0.138
5		12	6	21.35	0.136	21.53	0.142	21.44	0.139
5	CP-OFDM 16QAM	1	1	20.87	0.122	21.23	0.133	21.10	0.129
5		1	23	20.94	0.124	20.96	0.125	20.61	0.115
5		12	6	20.94	0.124	21.01	0.126	20.81	0.121
5	CP-OFDM 64QAM	1	1	19.50	0.089	19.56	0.090	19.45	0.088
5		1	23	19.47	0.089	19.43	0.088	19.14	0.082
5		12	6	19.75	0.094	19.53	0.090	19.54	0.090
5	CP-OFDM 256QAM	1	1	16.49	0.045	16.32	0.043	16.17	0.041
5		1	23	16.20	0.042	16.22	0.042	15.95	0.039
5		12	6	16.70	0.047	16.55	0.045	16.45	0.044

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 50 Ohm; 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

B2_N66					
BW(MHz)	ChannelLevel	Modulation		99% BW(MHz)	26dB BW(MHz)
5	High	DFT-s-OFDM	PI/2 BPSK	4.48	4.64
	High		QPSK	4.52	4.66
	High		16QAM	4.47	4.68
	High		64QAM	4.53	4.72
	High		256QAM	4.46	4.61
	High	CP-OFDM	QPSK	4.48	4.62
	Mid	DFT-s-OFDM	PI/2 BPSK	4.42	4.64
	Mid		QPSK	4.52	4.69
	Mid		16QAM	4.52	4.65
	Mid		64QAM	4.42	4.65
	Mid		256QAM	4.52	4.69
	Mid	CP-OFDM	QPSK	4.55	4.66
	Low	DFT-s-OFDM	PI/2 BPSK	4.46	4.68
	Low		QPSK	4.53	4.7
	Low		16QAM	4.47	4.68
	Low		64QAM	4.46	4.74
	Low		256QAM	4.46	4.67
	Low	CP-OFDM	QPSK	4.56	4.68
10	High	DFT-s-OFDM	PI/2 BPSK	8.91	9.53
	High		QPSK	9.14	9.41
	High		16QAM	9.04	9.33
	High		64QAM	9.09	9.49
	High		256QAM	9.00	9.51
	High	CP-OFDM	QPSK	9.32	9.64
	Mid	DFT-s-OFDM	PI/2 BPSK	8.9	9.32
	Mid		QPSK	9.07	9.37
	Mid		16QAM	8.94	9.33
	Mid		64QAM	8.87	9.29
	Mid		256QAM	8.95	9.47



	Mid	CP-OFDM	QPSK	9.28	9.76
	Low	DFT-s-OFDM	PI/2 BPSK	8.99	9.34
	Low		QPSK	9.03	9.36
	Low		16QAM	8.94	9.3
	Low		64QAM	8.96	9.36
	Low		256QAM	8.82	9.24
	Low	CP-OFDM	QPSK	9.30	9.85
15	High	DFT-s-OFDM	PI/2 BPSK	13.45	13.94
	High		QPSK	13.67	14.21
	High		16QAM	13.35	13.9
	High		64QAM	13.62	14.0
	High		256QAM	13.43	13.99
	High	CP-OFDM	QPSK	14.23	14.7
	Mid	DFT-s-OFDM	PI/2 BPSK	13.43	14.82
	Mid		QPSK	13.61	14.11
	Mid		16QAM	13.47	14.01
	Mid		64QAM	13.32	13.86
	Mid		256QAM	13.48	13.86
	Mid	CP-OFDM	QPSK	14.36	14.78
	Low	DFT-s-OFDM	PI/2 BPSK	13.46	14.26
	Low		QPSK	13.55	14.08
	Low		16QAM	13.44	14.08
	Low		64QAM	13.67	14.0
	Low		256QAM	13.62	14.17
	Low	CP-OFDM	QPSK	14.11	14.87
20	High	DFT-s-OFDM	PI/2 BPSK	17.96	18.97
	High		QPSK	18.17	18.68
	High		16QAM	17.9	18.85
	High		64QAM	18.01	19.03
	High		256QAM	17.81	18.57
	High	CP-OFDM	QPSK	19.01	19.95
	Mid		PI/2 BPSK	18.1	18.7
	Mid		QPSK	18.24	18.84



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	Mid	DFT-s-OFDM	16QAM	18.03	19.19
	Mid		64QAM	18.13	18.72
	Mid		256QAM	18.27	18.83
	Mid	CP-OFDM	QPSK	19.2	19.81
	Low	DFT-s-OFDM	PI/2 BPSK	18.15	18.66
	Low		QPSK	18.34	18.86
	Low		16QAM	17.88	18.86
	Low		64QAM	17.88	18.8
	Low		256QAM	17.95	18.78
	Low	CP-OFDM	QPSK	18.81	19.6



B7_N71					
BW(MHz)	ChannelLevel	Modulation		99% BW(MHz)	26dB BW(MHz)
5	High	DFT-s-OFDM	PI/2 BPSK	4.47	4.7
	High		QPSK	4.46	4.72
	High		16QAM	4.53	4.68
	High		64QAM	4.44	4.66
	High		256QAM	4.51	4.66
	High	CP-OFDM	QPSK	4.47	4.7
	Mid	DFT-s-OFDM	PI/2 BPSK	4.51	4.77
	Mid		QPSK	4.52	4.73
	Mid		16QAM	4.47	4.7
	Mid		64QAM	4.5	4.7
	Mid		256QAM	4.51	4.68
	Mid	CP-OFDM	QPSK	4.45	4.67
	Low	DFT-s-OFDM	PI/2 BPSK	4.52	4.71
	Low		QPSK	4.52	4.86
	Low		16QAM	4.49	4.74
	Low		64QAM	4.44	4.68
	Low		256QAM	4.52	4.68
	Low	CP-OFDM	QPSK	4.51	4.75
10	High	DFT-s-OFDM	PI/2 BPSK	8.85	10.2
	High		QPSK	8.99	10.18
	High		16QAM	8.99	9.45
	High		64QAM	9.08	9.37
	High		256QAM	9.09	9.4
	High	CP-OFDM	QPSK	9.24	9.66
	Mid	DFT-s-OFDM	PI/2 BPSK	9.11	9.43
	Mid		QPSK	8.99	9.33
	Mid		16QAM	9.04	9.49
	Mid		64QAM	8.84	9.34
	Mid		256QAM	8.94	9.34
	Mid	CP-OFDM	QPSK	9.33	9.65
	Low		PI/2 BPSK	9.03	9.27



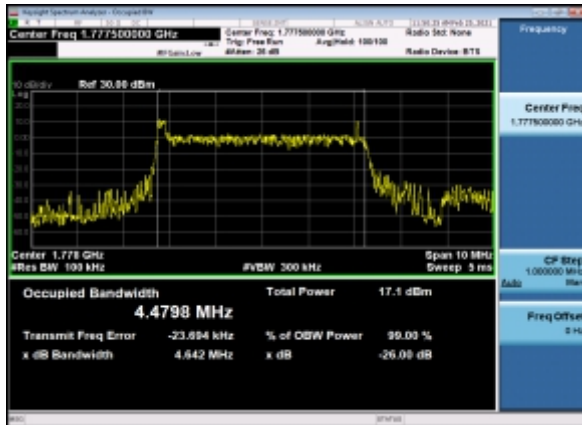
	Low	DFT-s-OFDM	QPSK	8.87	10.04
	Low		16QAM	9.06	9.61
	Low		64QAM	8.99	10.38
	Low		256QAM	9.03	9.62
	Low	CP-OFDM	QPSK	9.35	9.69
15	High	DFT-s-OFDM	PI/2 BPSK	13.70	14.11
	High		QPSK	13.64	14.13
	High		16QAM	13.68	14.13
	High		64QAM	13.61	14.08
	High		256QAM	13.67	15.65
	High	CP-OFDM	QPSK	14.39	14.85
	Mid	DFT-s-OFDM	PI/2 BPSK	13.51	14.32
	Mid		QPSK	13.43	14.5
	Mid		16QAM	13.48	14.15
	Mid		64QAM	13.42	14.01
	Mid		256QAM	13.53	16.07
	Mid	CP-OFDM	QPSK	14.14	14.89
	Low	DFT-s-OFDM	PI/2 BPSK	13.57	14.89
	Low		QPSK	13.43	14.04
	Low		16QAM	13.56	14.07
	Low		64QAM	13.47	13.93
	Low		256QAM	13.7	14.13
	Low	CP-OFDM	QPSK	14.15	14.86
20	High	DFT-s-OFDM	PI/2 BPSK	18.16	18.82
	High		QPSK	18.14	18.79
	High		16QAM	18.16	18.67
	High		64QAM	18.15	18.69
	High		256QAM	18.25	18.84
	High	CP-OFDM	QPSK	19.24	19.98
	Mid	DFT-s-OFDM	PI/2 BPSK	18.01	19.2
	Mid		QPSK	18.17	19.08
	Mid		16QAM	17.93	18.67
	Mid		64QAM	18.22	18.7



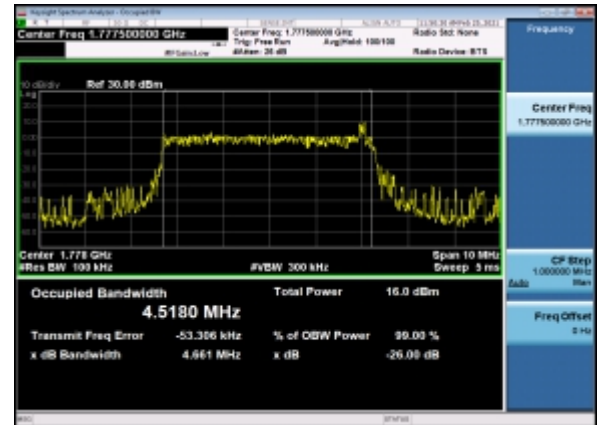
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	Mid		256QAM	18.17	18.78
	Mid	CP-OFDM	QPSK	19.21	19.89
	Low	DFT-s-OFDM	PI/2 BPSK	17.9	19.13
	Low		QPSK	17.98	18.82
	Low		16QAM	18.21	18.82
	Low		64QAM	17.87	18.77
	Low		256QAM	18.08	19.41
	Low	CP-OFDM	QPSK	18.83	19.74

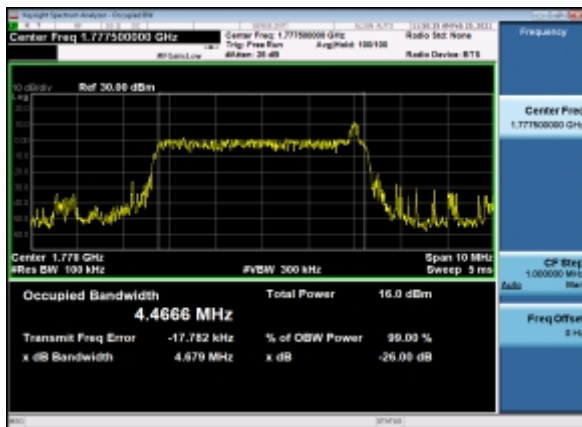
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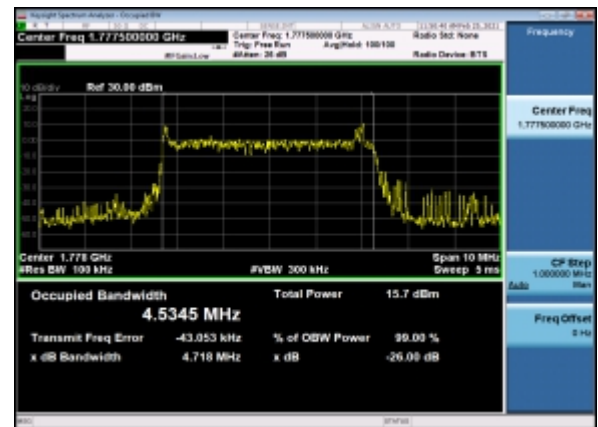
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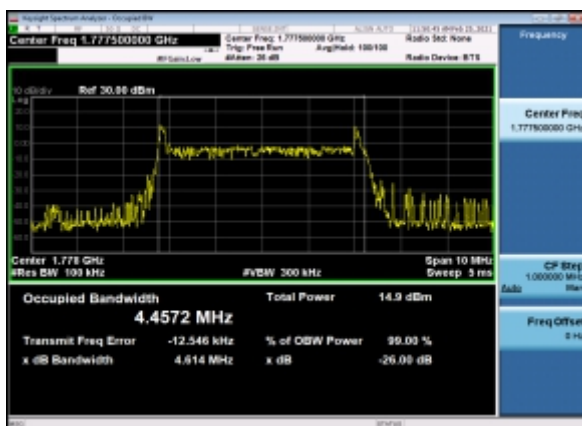
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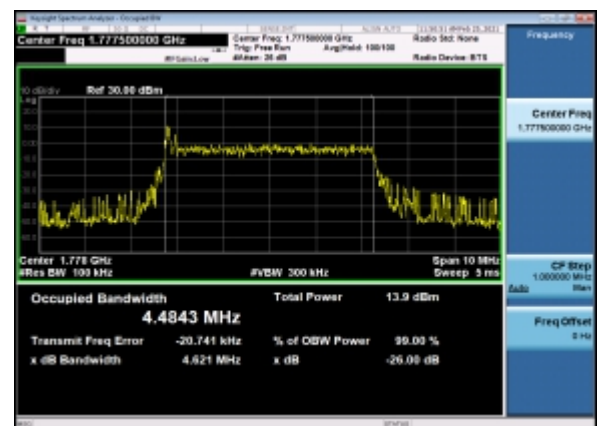
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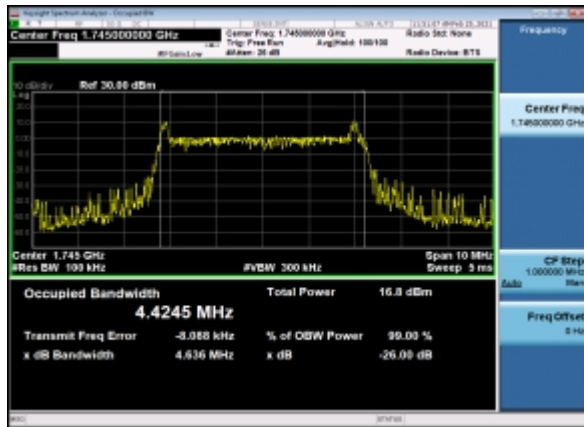
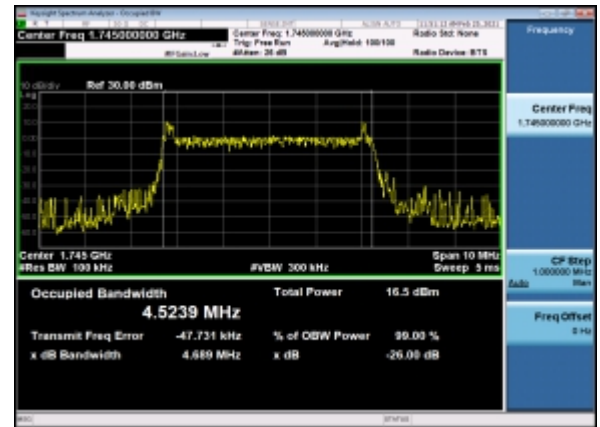
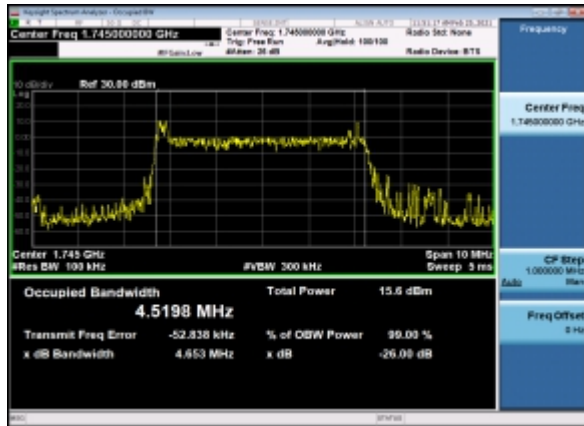
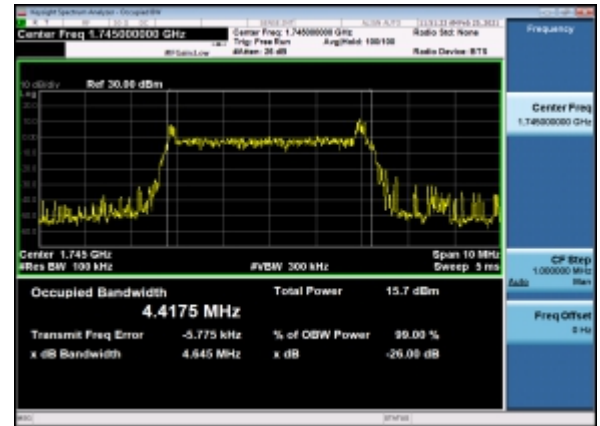
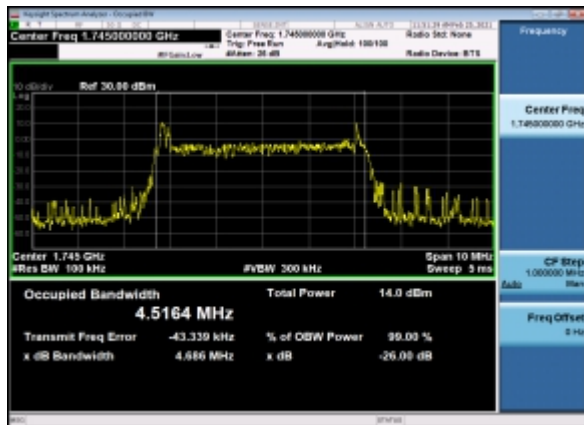


B2_N66(5M)_DFT-s-OFDM_256QAM_Outer_Full_High_CH

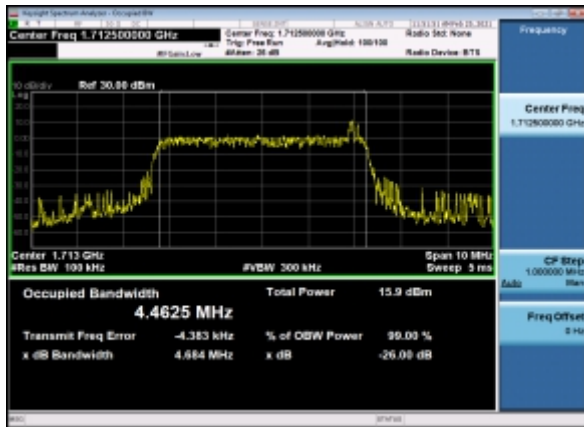


B2_N66(5M)_CP-OFDM_QPSK_Outer_Full_High_CH

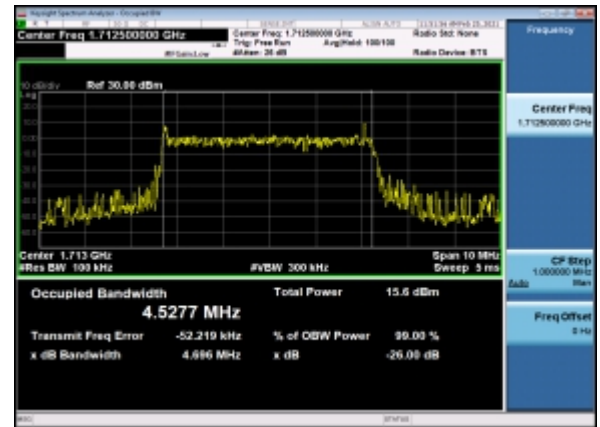


B2_N66(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_F
ull_Mid_CH

B2_N66(5M)_DFT-s-OFDM_QPSK_Outer_F
ull_Mid_CH

B2_N66(5M)_DFT-s-OFDM_16
QAM_Outer_Full_Mid_CH

B2_N66(5M)_DFT-s-OFDM_64
QAM_Outer_Full_Mid_CH

B2_N66(5M)_DFT-s-OFDM_256
QAM_Outer_Full_Mid_CH

B2_N66(5M)_CP-OFDM_QPSK_Outer_Full
Mid_CH

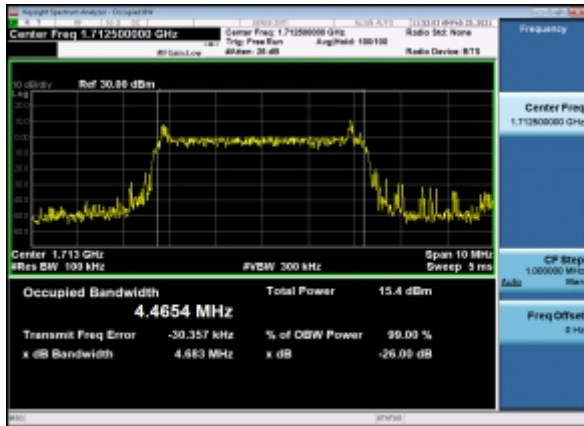

B2_N66(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



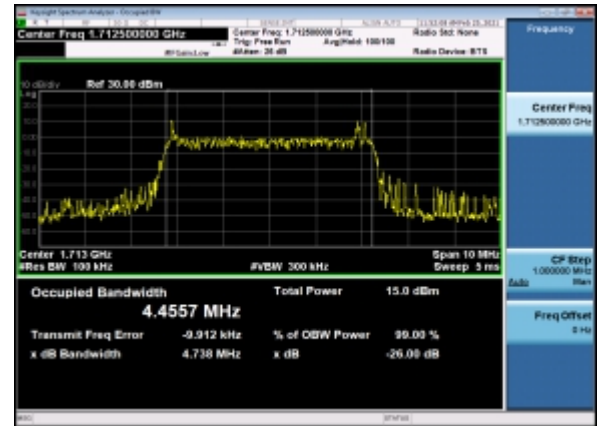
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B2_N66(5M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH



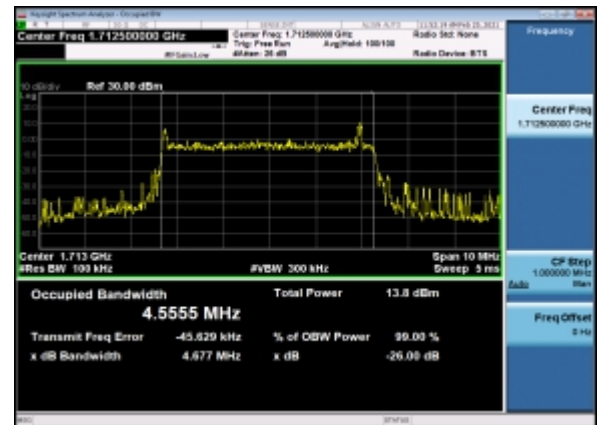
B2_N66(5M)_DFT-s-OFDM_64QAM_Outer_Full_Low_CH



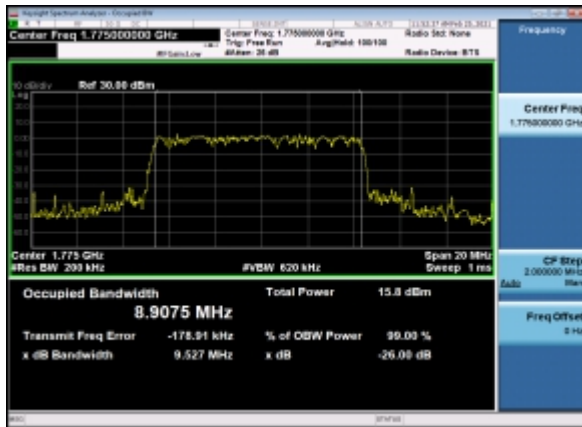
B2_N66(5M)_DFT-s-OFDM_256QAM_Outer_Full_Low_CH



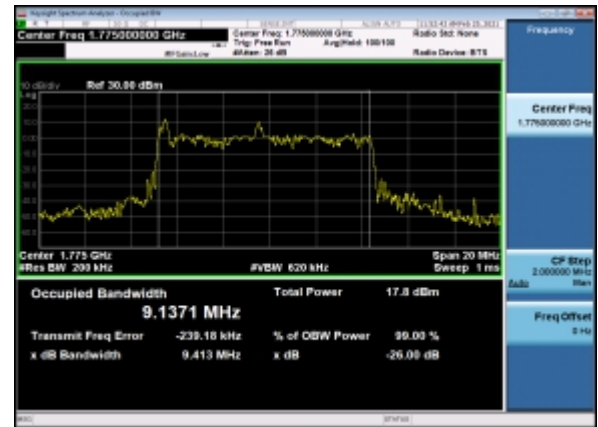
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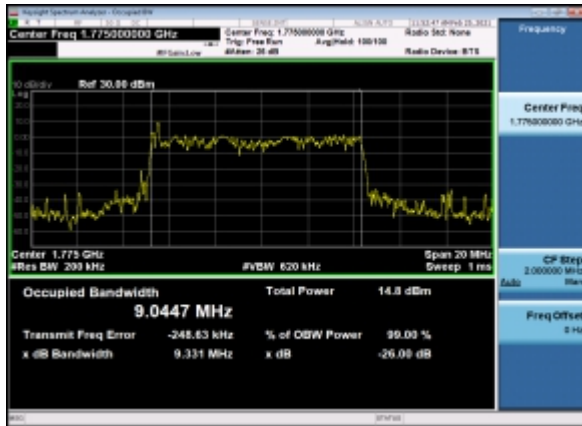
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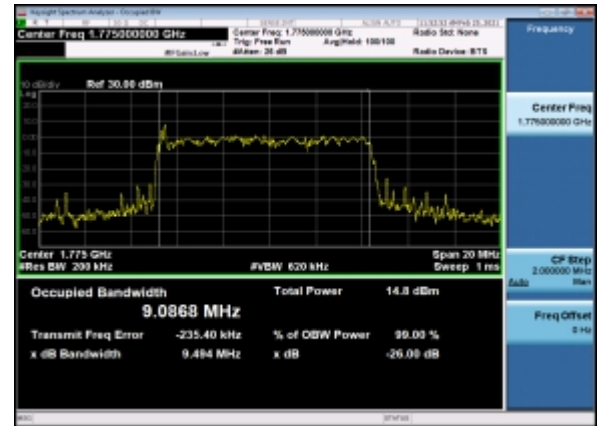
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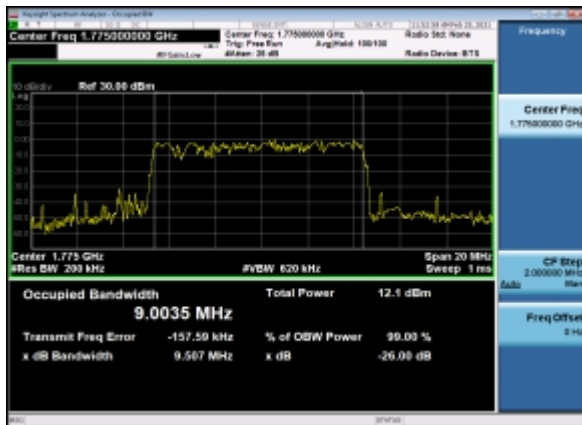
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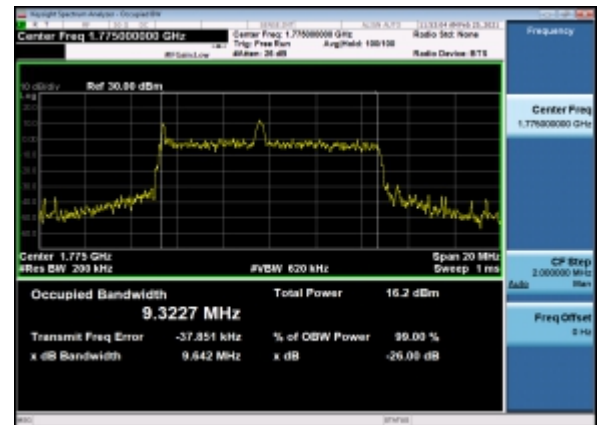
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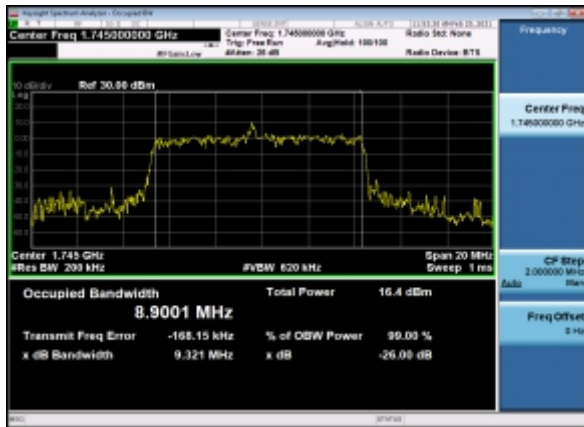
B2_N66(10M)_DFT-s-OFDM_256QAM_Outer_Full_High_CH



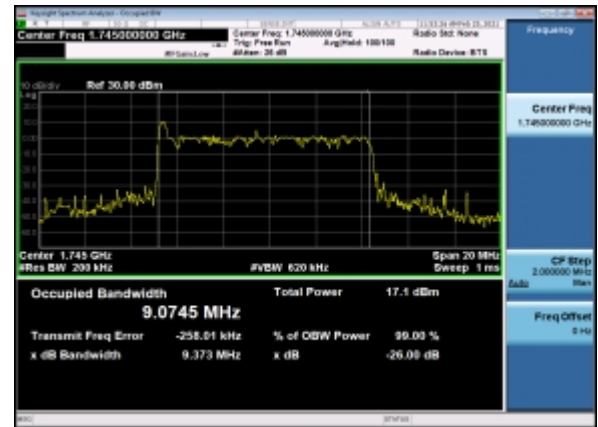
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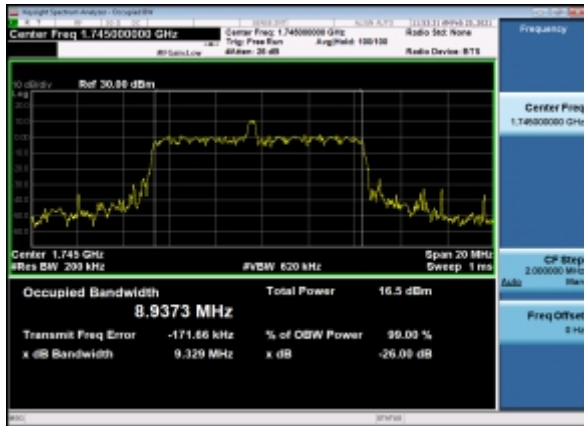
B2_N66(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



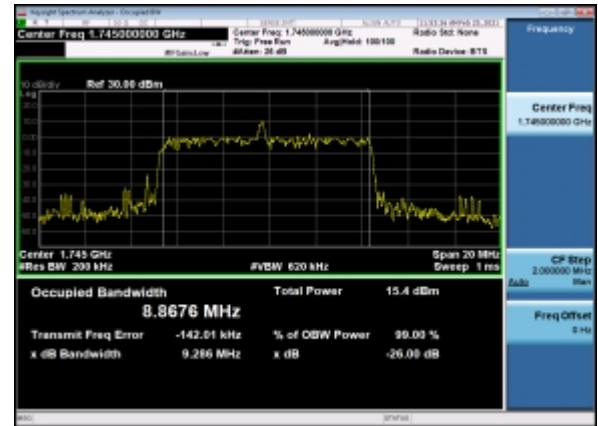
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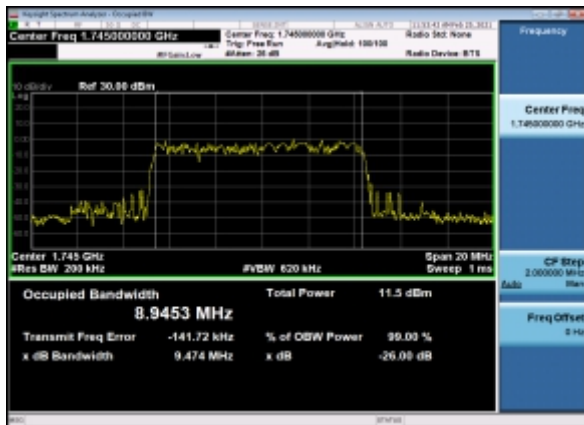
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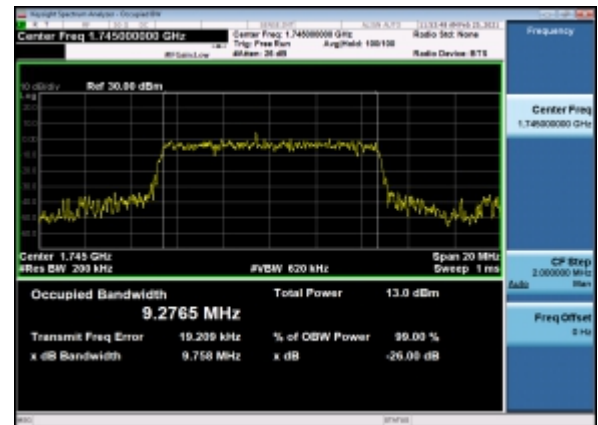
B2_N66(10M)_DFT-s-OFDM_64_QAM_Outer_Full_Mid_CH



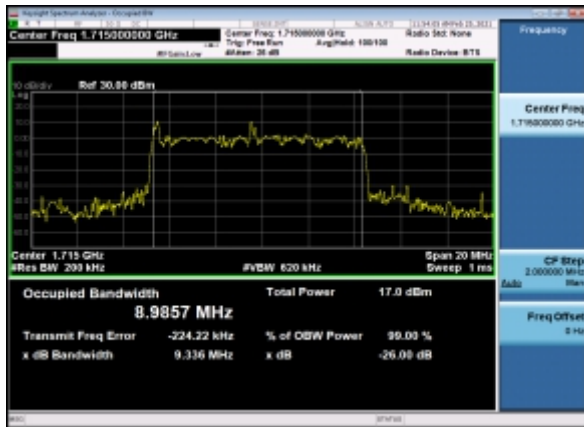
B2_N66(10M)_DFT-s-OFDM_256_QAM_Outer_Full_Mid_CH



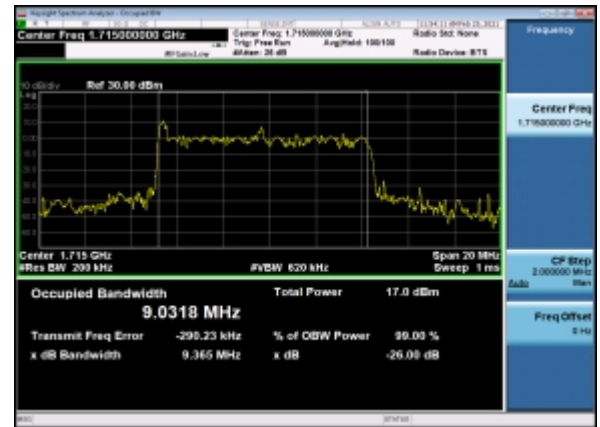
B2_N66(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



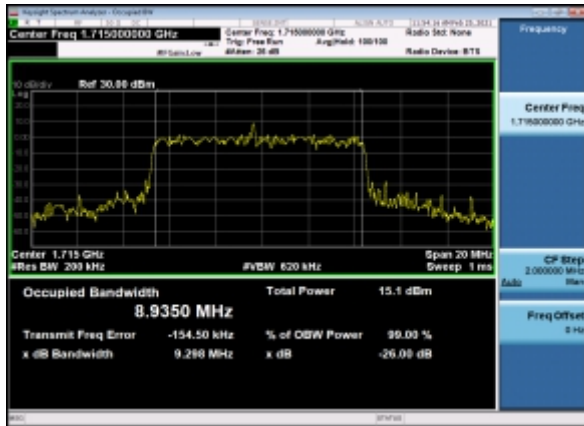
B2_N66(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



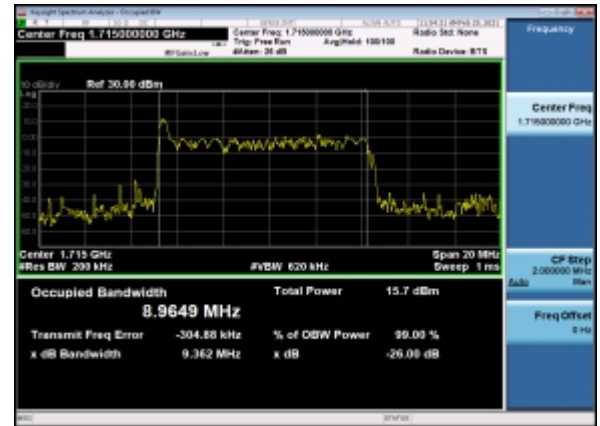
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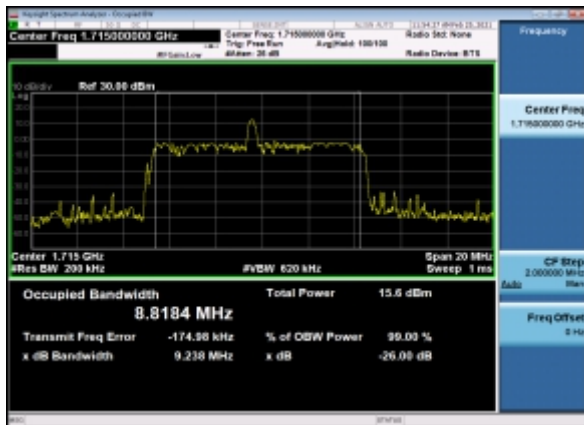
B2_N66(10M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH



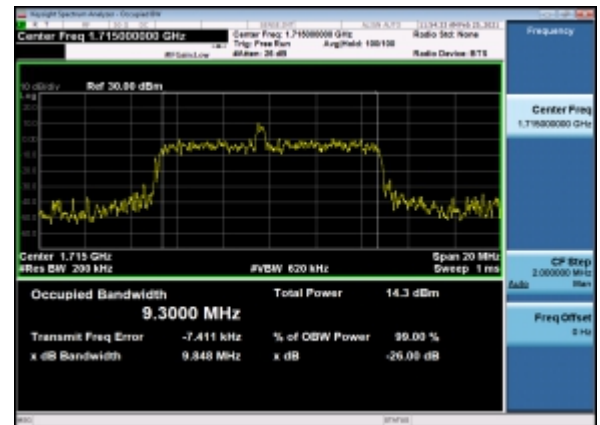
B2_N66(10M)_DFT-s-OFDM_64QAM_Outer_Full_Low_CH



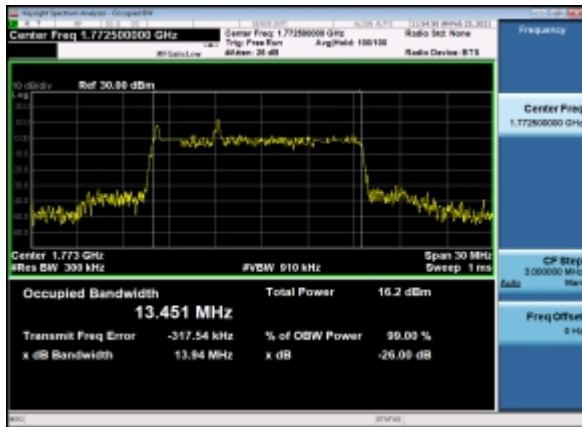
B2_N66(10M)_DFT-s-OFDM_256QAM_Outer_Full_Low_CH



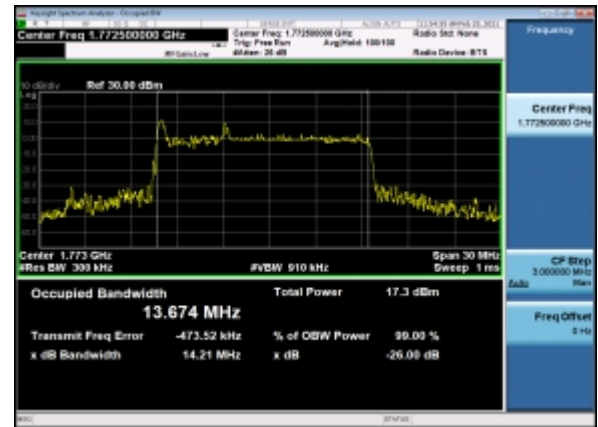
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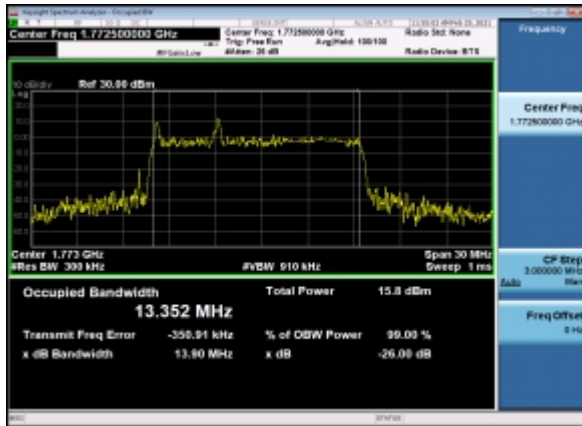
B2_N66(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



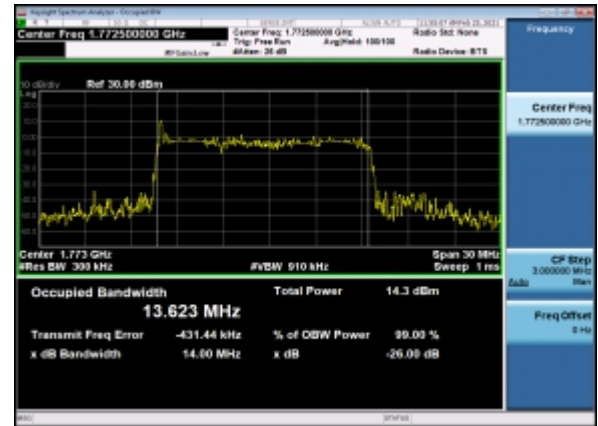
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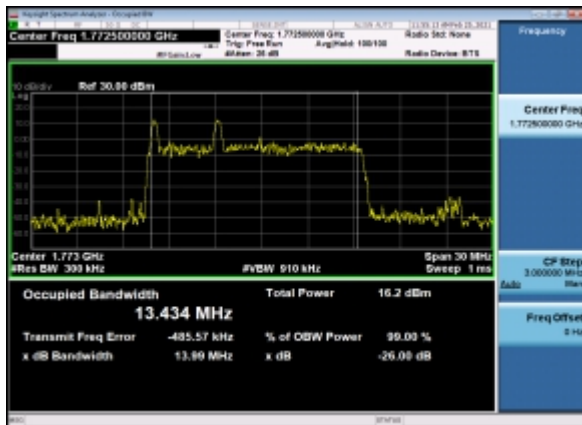
B2_N66(15M)_DFT-s-OFDM_16QAM_Outer_Full_High_CH



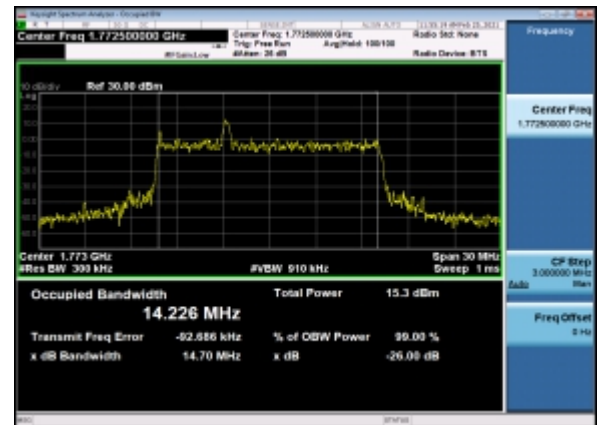
B2_N66(15M)_DFT-s-OFDM_64QAM_Outer_Full_High_CH



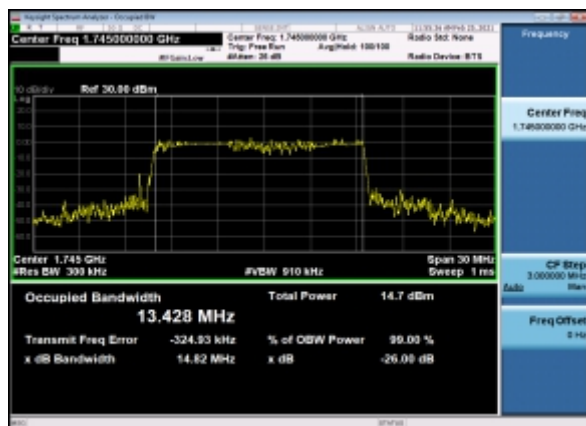
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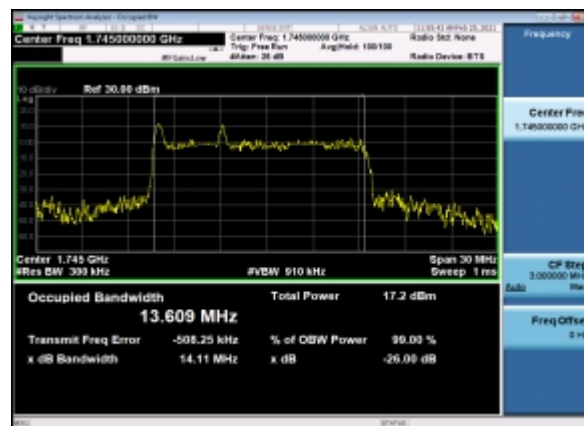
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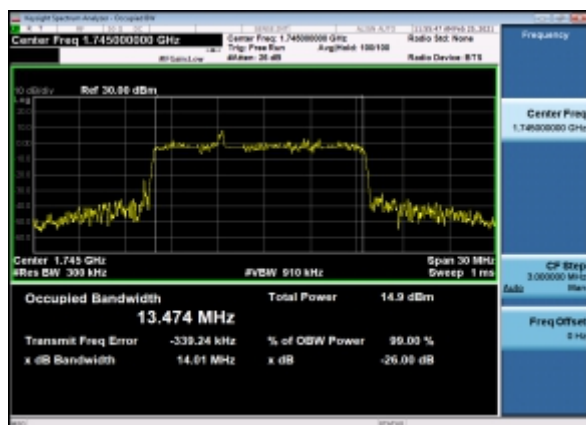
B2_N66(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



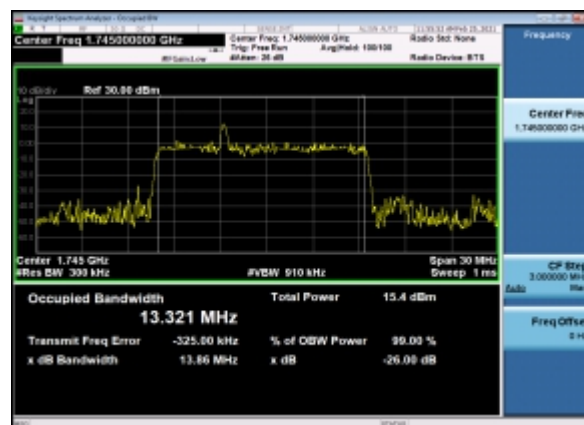
B2_N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



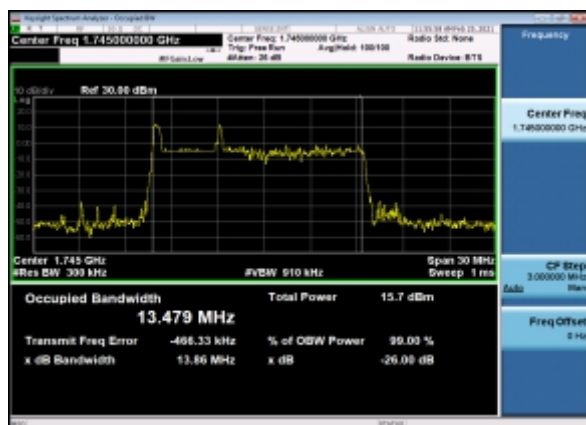
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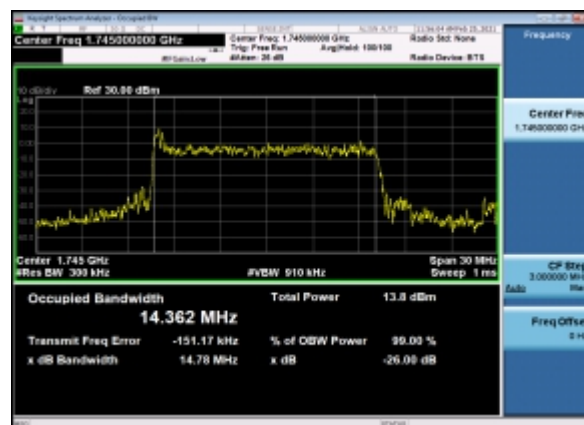
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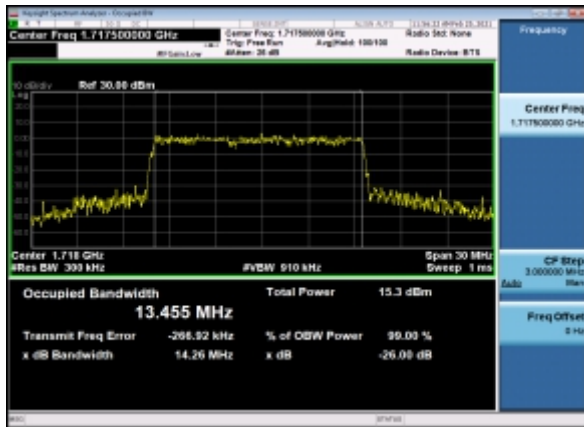
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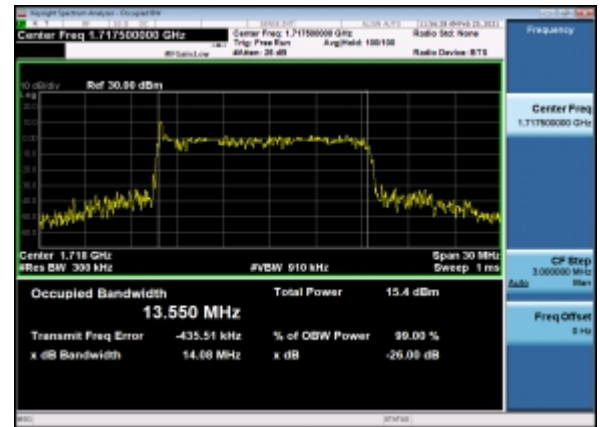
B2_N66(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



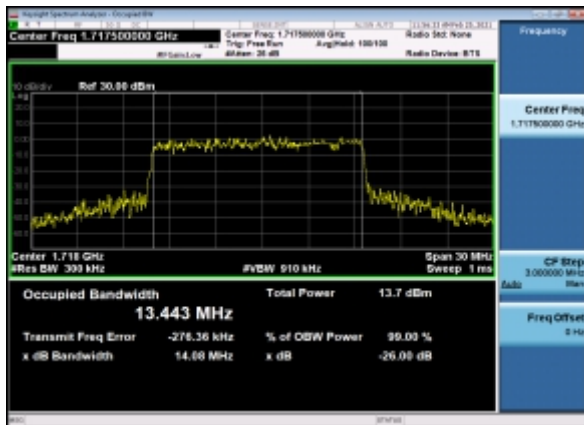
B2_N66(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



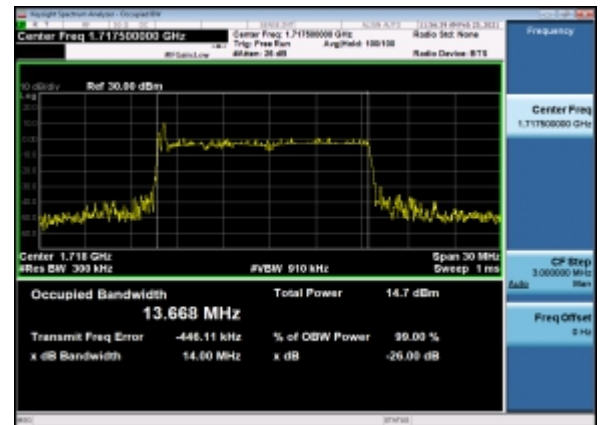
B2_N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



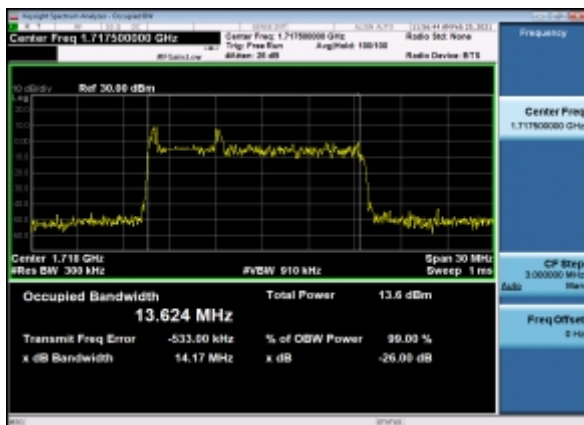
B2_N66(15M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH



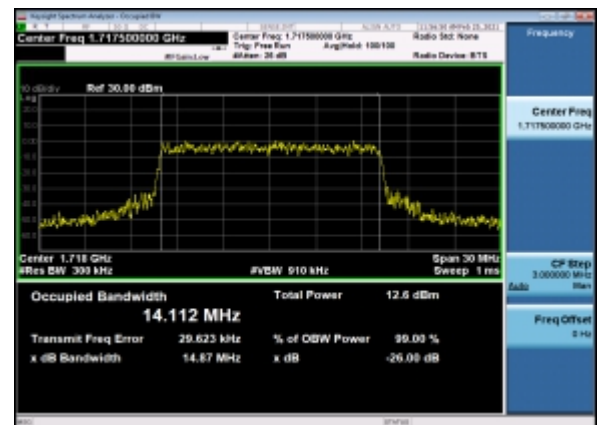
B2_N66(15M)_DFT-s-OFDM_64QAM_Outer_Full_Low_CH



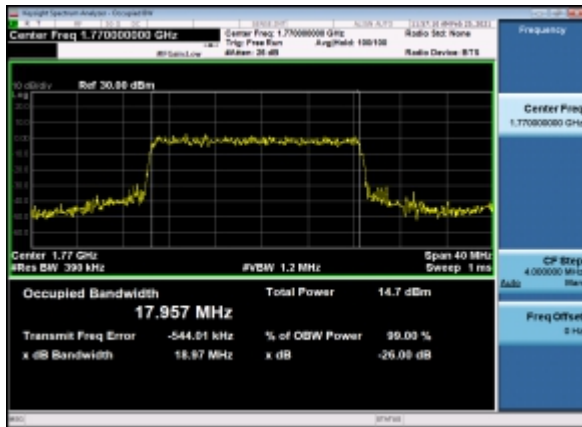
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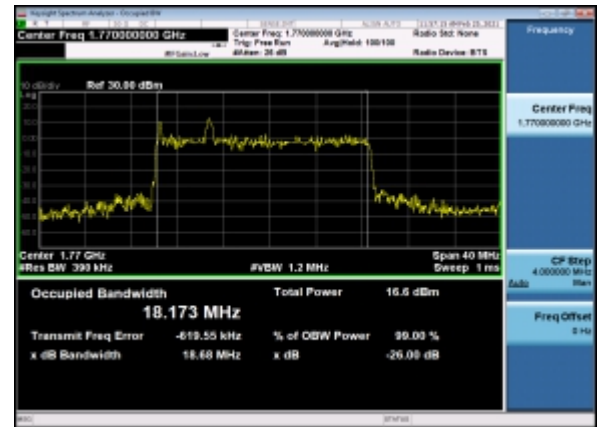
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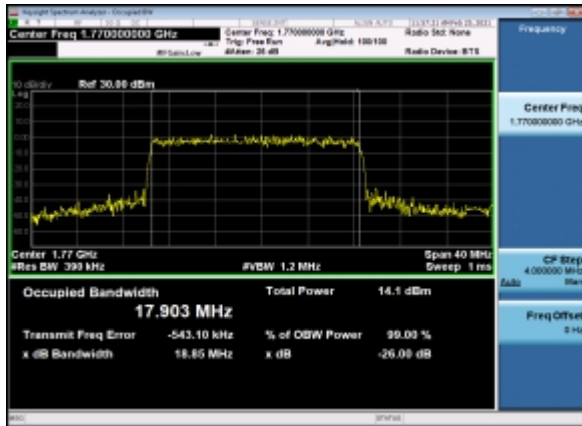
B2_N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



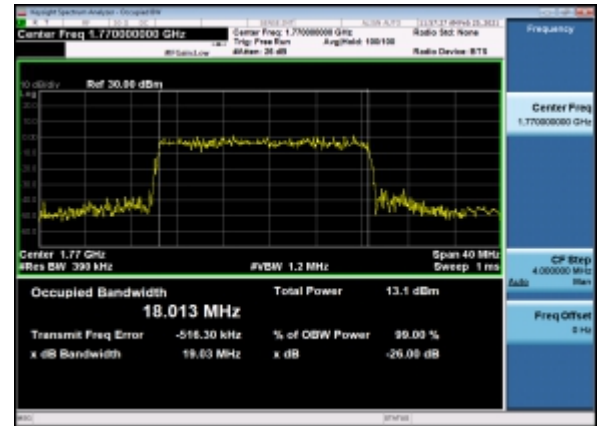
B2_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



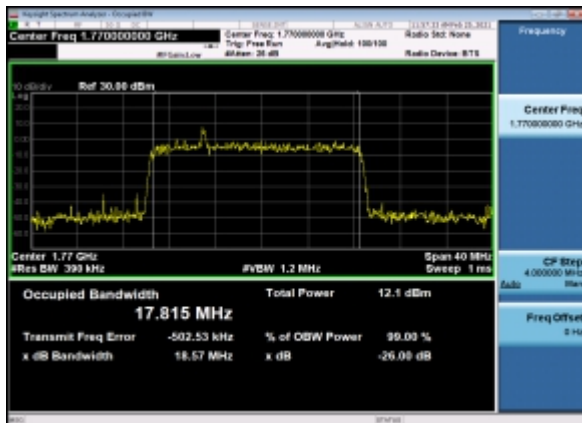
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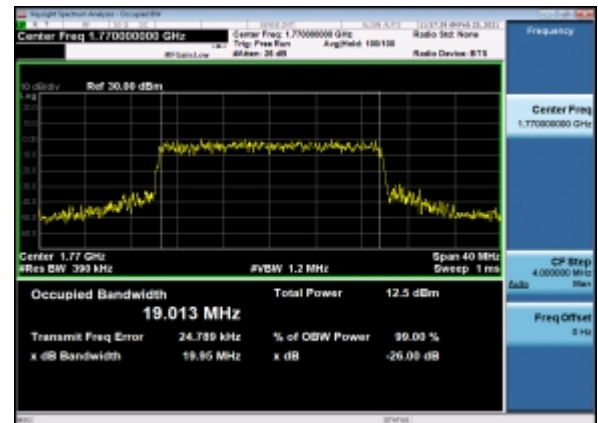
B2_N66(20M)_DFT-s-OFDM_64QAM_Outer_Full_High_CH



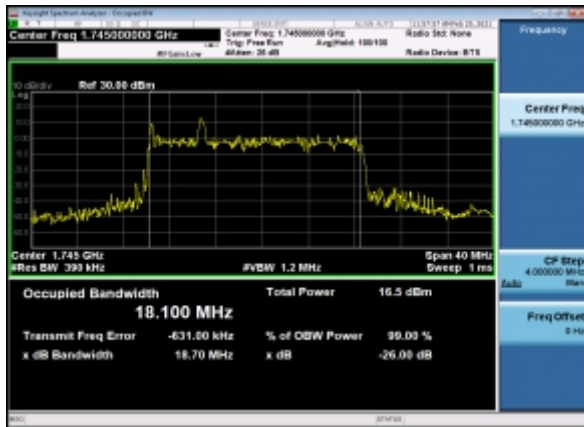
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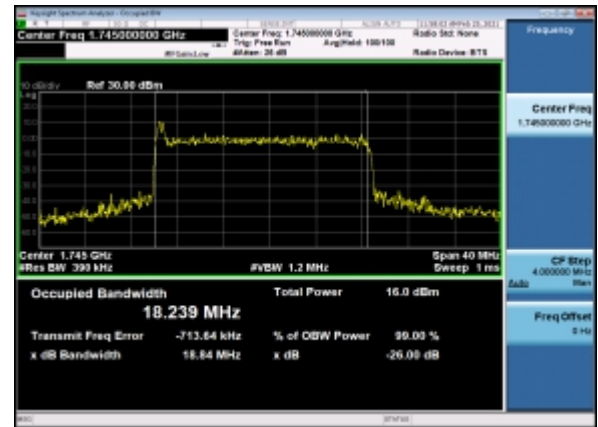
B2_N66(20M)_CP-OFDM_QPSK_Outer_Full_High_CH



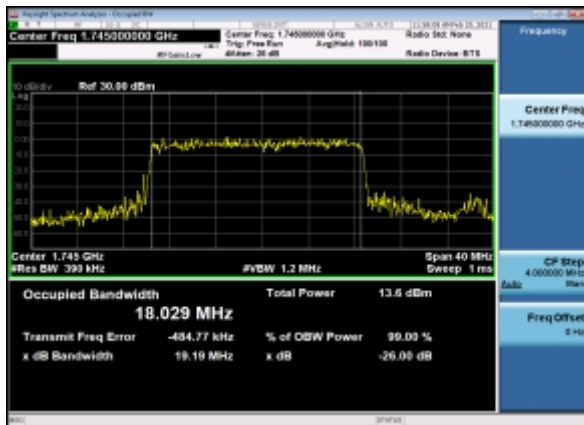
B2_N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



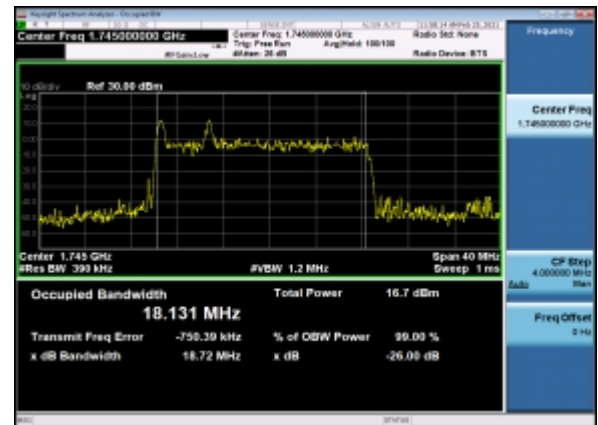
B2_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



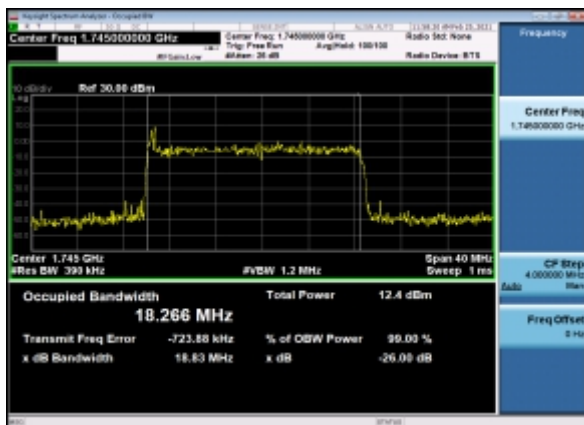
B2_N66(20M)_DFT-s-OFDM_16QAM_Outer_Full_Mid_CH



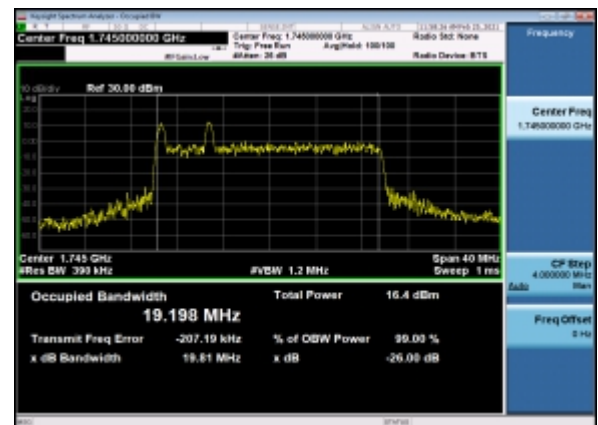
B2_N66(20M)_DFT-s-OFDM_64QAM_Outer_Full_Mid_CH



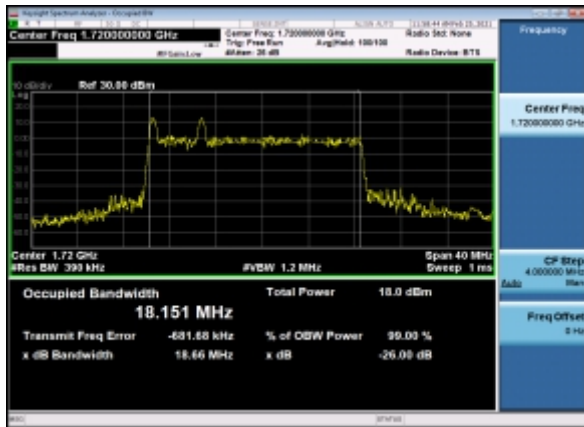
B2_N66(20M)_DFT-s-OFDM_256QAM_Outer_Full_Mid_CH



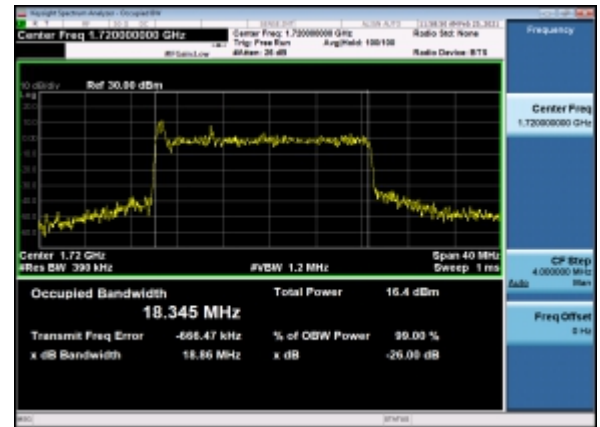
B2_N66(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



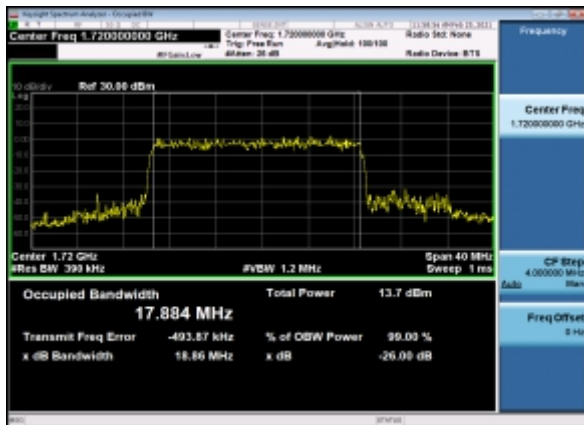
B2_N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



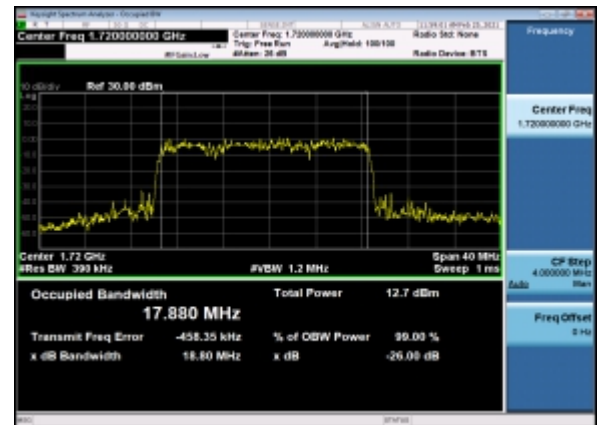
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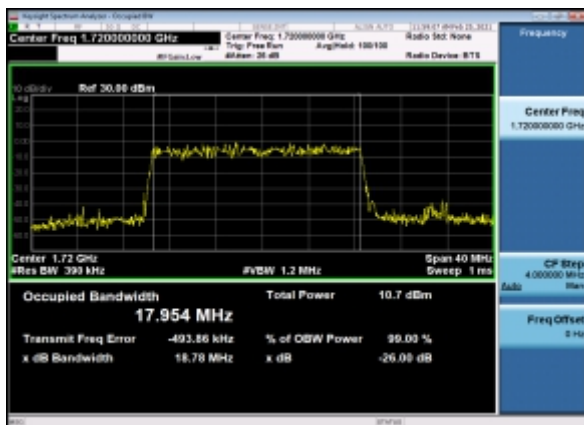
B2_N66(20M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH



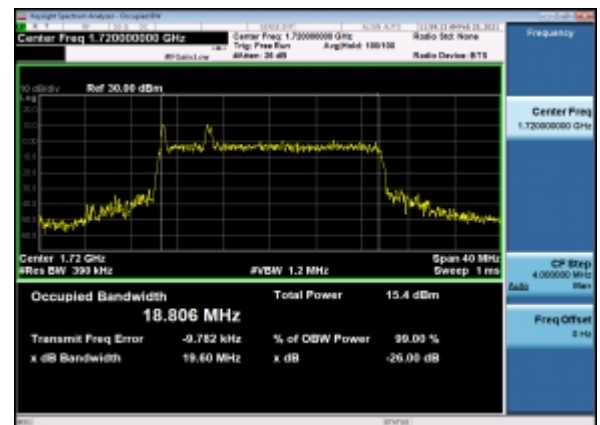
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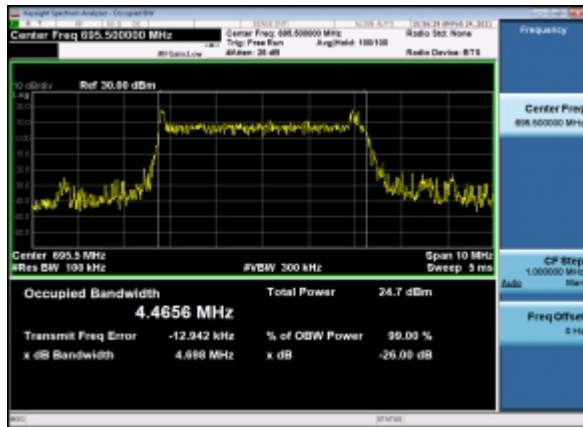
B2_N66(20M)_DFT-s-OFDM_256QAM_Outer_Full_Low_CH



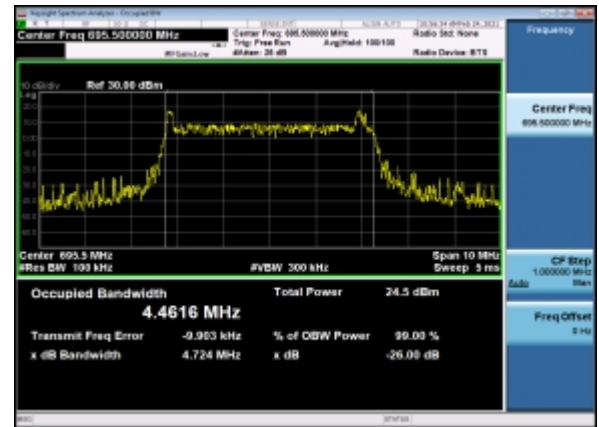
B2_N66(20M)_CP-OFDM_QPSK_Outer_Full_Low_CH



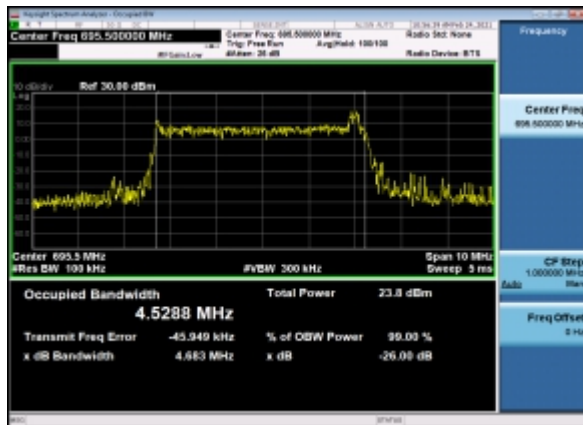
B7_N71(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



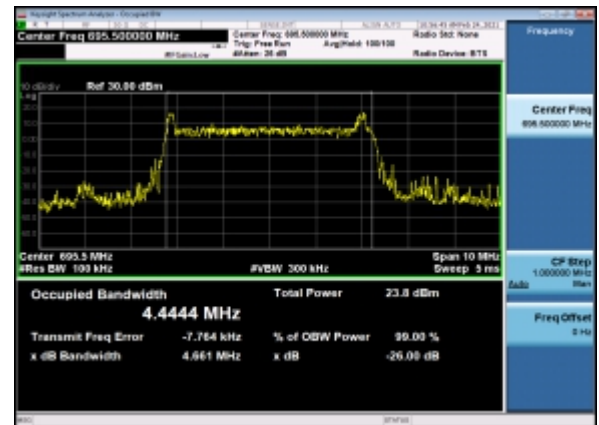
B7_N71(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



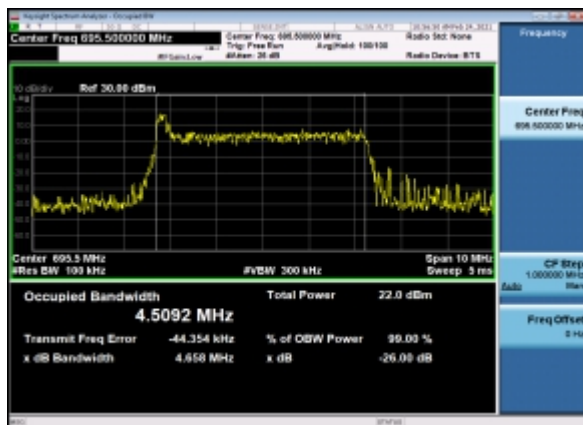
B7_N71(5M)_DFT-s-OFDM_16QAM_Outer_Full_High_CH



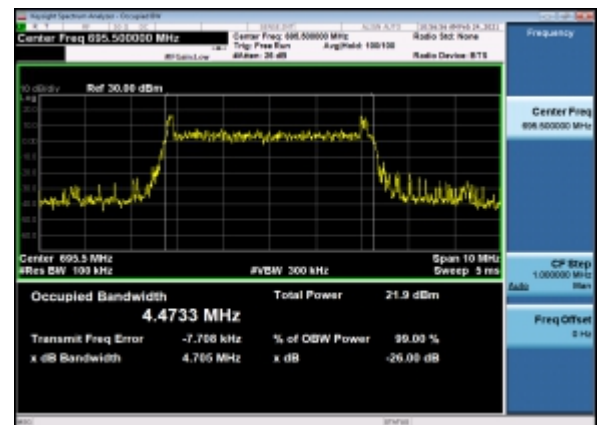
B7_N71(5M)_DFT-s-OFDM_64QAM_Outer_Full_High_CH



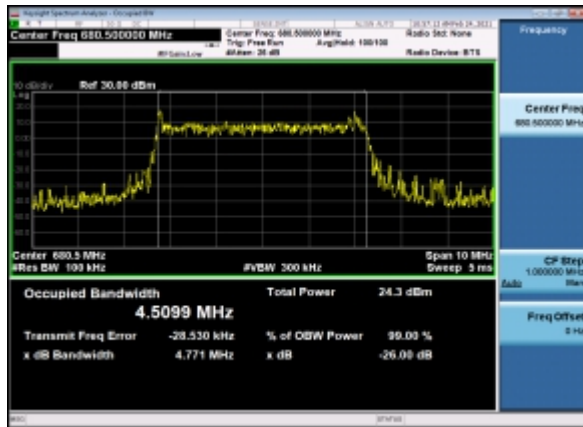
B7_N71(5M)_DFT-s-OFDM_256QAM_Outer_Full_High_CH



B7_N71(5M)_CP-OFDM_QPSK_Outer_Full_High_CH



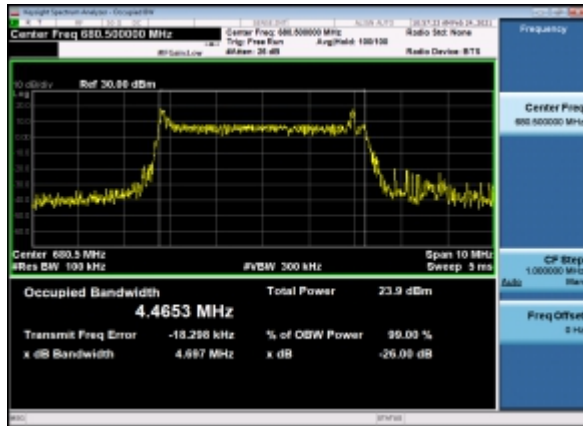
B7_N71(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



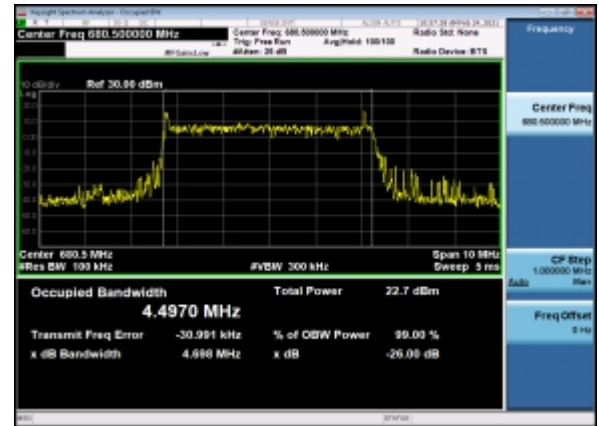
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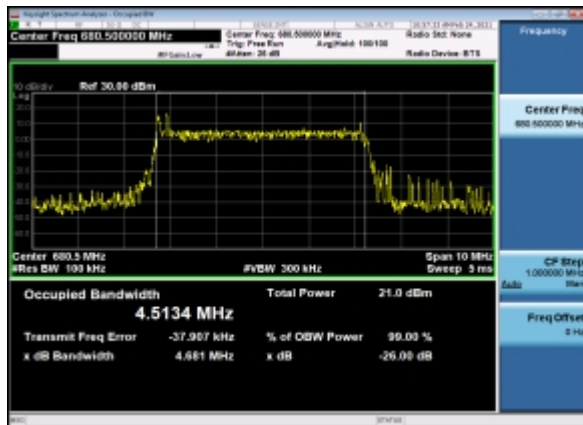
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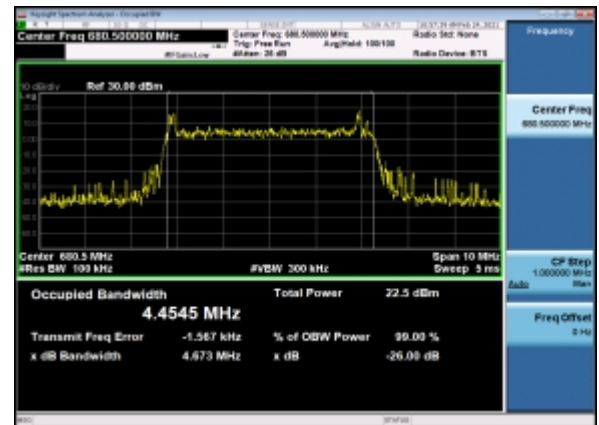
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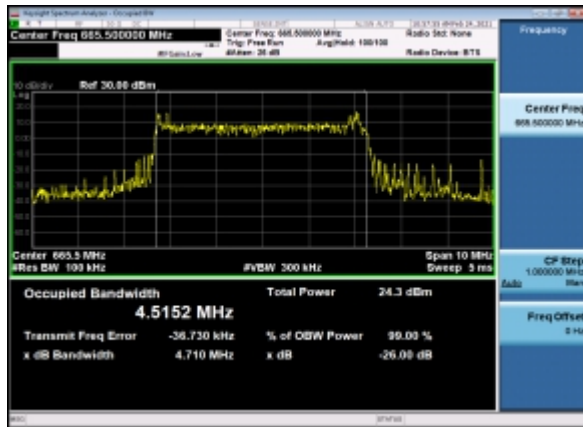
B7_N71(5M)_DFT-s-OFDM_256QAM_Outer_Full_Mid_CH



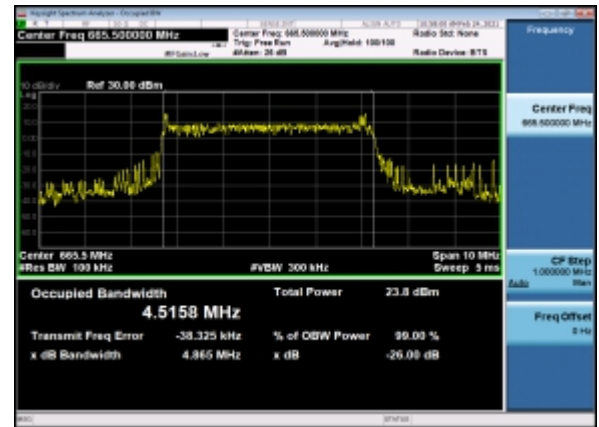
B7_N71(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



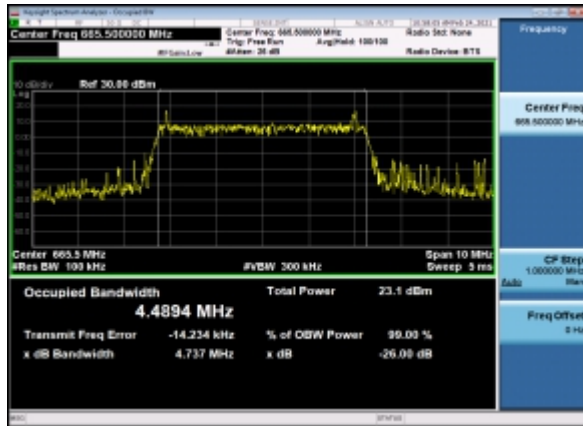
B7_N71(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



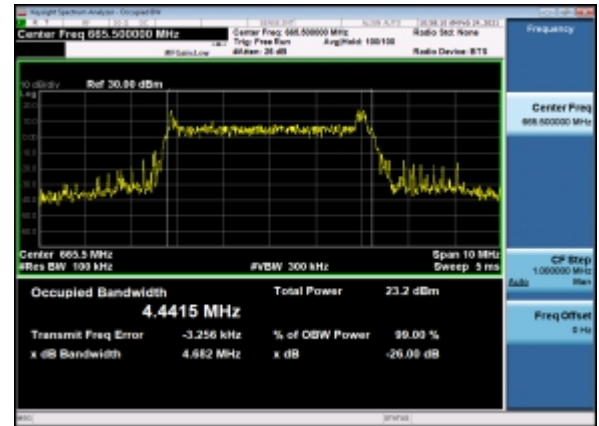
B7_N71(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



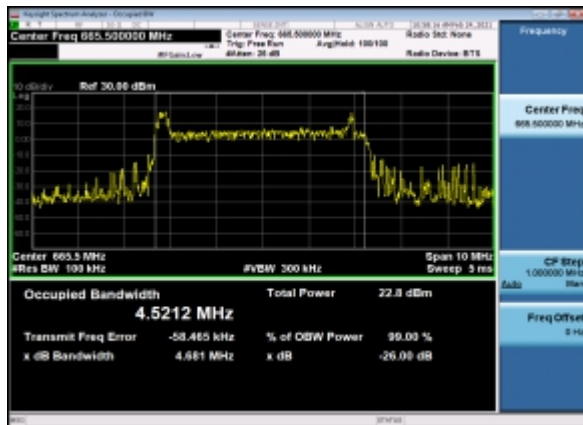
B7_N71(5M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH



B7_N71(5M)_DFT-s-OFDM_64QAM_Outer_Full_Low_CH

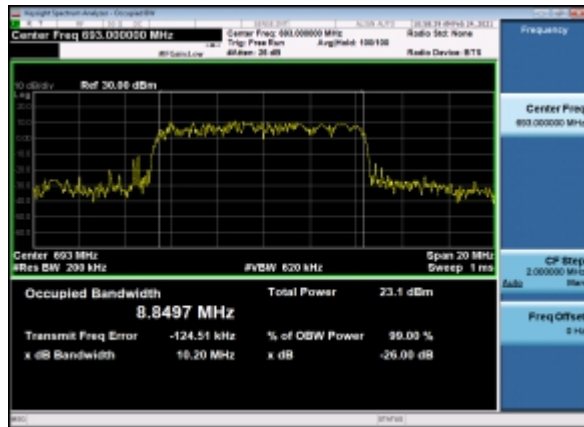


B7_N71(5M)_DFT-s-OFDM_256QAM_Outer_Full_Low_CH

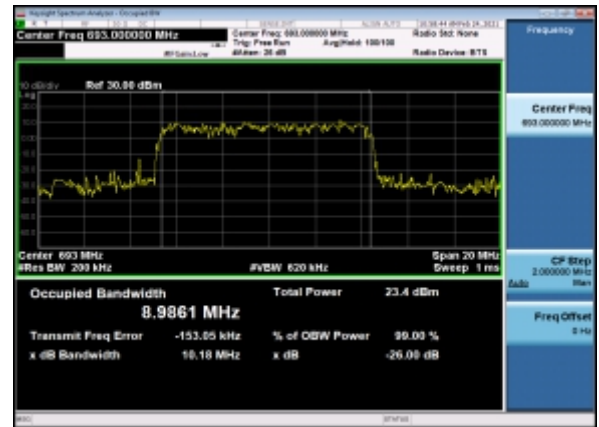


B7_N71(5M)_CP-OFDM_QPSK_Outer_Full_Low_CH

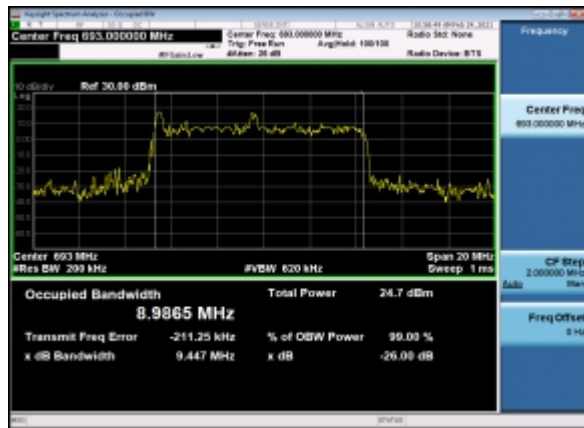


B7_N71(10M)_DFT-s-OFDM_PI_2-BPSK_Outer
_Full_High_CH

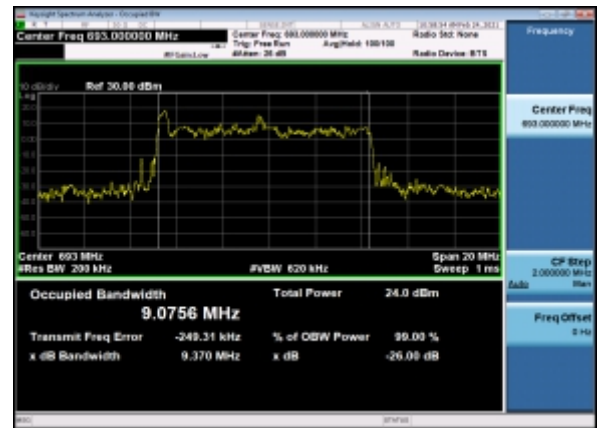
B7_N71(10M)_DFT-s-OFDM_QPSK_Outer_
Full_High_CH



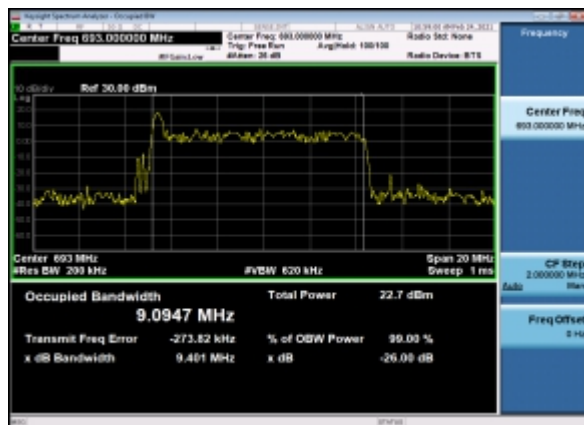
B7_N71(10M)_DFT-s-OFDM_16
QAM_Outer_Full_High_CH



B7_N71(10M)_DFT-s-OFDM_64
QAM_Outer_Full_High_CH



B7_N71(10M)_DFT-s-OFDM_256
QAM Outer Full High CH



B7_N71(10M)_CP-OFDM_QPSK_Outer_Full
High CH

