



REPORT No.: SZ24030059W02

TEST REPORT

APPLICANT : Reliance Communications LLC

PRODUCT NAME : Orbic Fun Pro 5G

MODEL NAME : R678L5SLFP

BRAND NAME : Orbic

FCC ID : 2ABGH-R678L5SLFP

STANDARD(S) : 47 CFR Part 2
47 CFR Part 22
47 CFR Part 24
47 CFR Part 27
47 CFR Part 90
47 CFR Part 96

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Change History		
Version	Date	Reason for change
1.0	2024-07-11	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Reliance Communications LLC
Applicant Address:	555 Wireless Blvd. Hauppauge, NY 11788, USA
Manufacturer:	Unimaxcomm
Manufacturer Address:	35F,HBC HuiLong Center Building-II Minzhi Street,Longhua, Shenzhen, P.R. China 518110

1.2. Equipment Under Test (EUT) Description

Product Name:	Orbic Fun Pro 5G	
Sample No.:	2#, 10#	
Hardware Version:	V1.0	
Software Version:	R678L5SLFP_V1.0.10_BLL	
Modulation Type:	DFT-s-OFDM	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM
	CP-OFDM	QPSK, 16QAM, 64QAM, 256QAM
SA Band:	n2, n5, n25, n26, n41, n48, n66, n71, n77, n78	
Power Class:	PC2:	n41,n48, n71,n77, n78
	PC3:	n2, n5, n25, n26, n41, n66
EN-DC Band:	n2	DC_5A_n2
	n66	DC_2A_n66,DC_5A_n66
	n78	DC_2A_n78, DC_5A_n78
Frequency Range:	n2	Tx: 1850MHz-1910MHz
		Rx: 1930MHz-1990MHz
	n5	Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	n25	Tx: 1850MHz-1915MHz
		Rx: 1930MHz-1995MHz
	n26 (enabling bands)	Tx: 814MHz-824MHz
		Rx: 859MHz-869MHz
		Tx: 824MHz-849MHz
	n41	Tx: 2496MHz-2690MHz
		Rx: 2496MHz-2690MHz



	n48	Tx:3550 MHz–3700 MHz
		Rx:3550 MHz–3700 MHz
	n66	Tx: 1710MHz-1780MHz
		Rx: 2110MHz-2200MHz
	n71	Tx: 663MHz-698MHz
		Rx: 617MHz-652MHz
	n77: (enabling bands)	Tx: 3450MHz-3550MHz
		Rx: 3450MHz-3550MHz
		Tx: 3700MHz-3980MHz
		Rx: 3700MHz-3980MHz
	n78: (enabling bands)	Tx: 3450MHz-3550MHz
		Rx: 3450MHz-3550MHz
		Tx: 3700MHz-3800MHz
		Rx: 3700MHz-3800MHz
Channel Bandwidth	n2	5MHz, 10MHz, 15MHz, 20MHz
	n5	5MHz, 10MHz, 15MHz, 20MHz
	n25	5MHz, 10MHz, 15MHz, 20MHz
	n26	5MHz, 10MHz, 15MHz, 20MHz
	n41	20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz
	n48	20MHz, 40MHz
	n66	5MHz, 10MHz, 15MHz, 20MHz, 30MHz
	n71	5MHz, 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 60MHz, 80MHz, 100MHz
	n77	20MHz, 30MHz, 40MHz, 60MHz, 80MHz, 100MHz
	n78	20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	n2	ANT3: 2.47dBi, ANT4: 1.40dBi
	n5	ANT5:-8.22dBi
	n25	ANT4: 1.40dBi
	n26	ANT1:-8.22dBi
	n41	ANT3:-1.67dBi ,ANT5:3.22dBi
	n48	ANT6:-0.26dBi
	n66	ANT3: -4.04dBi, ANT4: 2.68dBi
	n71	ANT1:-7.39dBi
	n77	ANT6: 1.37dBi
	n78	ANT6:-0.17dBi
Accessory Information:	Battery:	
	Brand Name:	Orbic
	Model No.:	BTE-5004
	Serial No.:	N/A



	Capacity:	4870mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Shenzhen Aerospace Electronic Co.,Ltd.
	AC Adapter:	
	Brand Name:	Orbic
	Model No.:	OACH023US1
	Serial No.:	N/A
	Rated Input:	100-240V~50/60HZ, 0.5A
	Rated Output:	5V=3A or 9V=2A or 12V=1.5A
	Manufacturer 1:	WATAI ELECTRONICS PRIVATE LIMITED
	Manufacturer 2:	KANGYIN ELECTRONIC TECHNOLOGY CO.,LTD
	USB Cable :	
	Model No.:	HX-YLMK-06
	Manufacturer:	HUIZHOU WASHIN ELECTRONICS CO.,LTD

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

Note 2: There is no test for SA n78 due to the band is completely covered by SA n77 and its power level setting also less than SA n77.

Note 3: In the same NR frequency band, The measured power in SA mode is higher than that in NSA mode, SA mode is selected to test all test cases.

Note 4: This is a variant report of original report (Report No.: SZ23120302W02, FCC ID: 2ABGH-R678L5SFP). Based on the similarity between before, only change the product name, model name, software version, FCC ID, appearance and antenna,enable LTE B14/17/25/26/30/41/71 and NR n25/26/41/71, the others are the same as before. No other changes, all RF parameters remain the same. The changes do not affect the test results.

1.3. Maximum ERP/EIRP and Emission Designator

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

ERP (dBm) = EIPR (dBm) - 2.15

n2						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.481	4M48G7D
	QPSK	23.06	25.53	0.357	4.493	4M49G7D
	16QAM	/	/	/	4.49	4M49W7D
	64QAM	/	/	/	4.478	4M48W7D
	256QAM	/	/	/	4.484	4M48W7D
	CP-QPSK	/	/	/	4.475	4M48G7D
10	PI/2 BPSK	/	/	/	8.914	8M91G7D
	QPSK	23.08	25.55	0.359	8.929	8M93G7D
	16QAM	/	/	/	8.95	8M95W7D
	64QAM	/	/	/	8.924	8M92W7D
	256QAM	/	/	/	8.928	8M93W7D
	CP-QPSK	/	/	/	9.287	9M29G7D
15	PI/2 BPSK	/	/	/	13.414	13M4G7D
	QPSK	23.09	25.56	0.360	13.434	13M4G7D
	16QAM	/	/	/	13.429	13M4W7D
	64QAM	/	/	/	13.392	13M4W7D
	256QAM	/	/	/	13.431	13M4W7D
	CP-QPSK	/	/	/	14.103	14M1G7D
20	PI/2 BPSK	23.08	25.55	0.359	17.906	17M9G7D
	QPSK	23.13	25.60	0.363	17.896	17M9G7D
	16QAM	23.11	25.58	0.361	17.91	17M9W7D
	64QAM	21.58	24.05	0.254	17.911	17M9W7D
	256QAM	19.20	21.67	0.147	17.87	17M9W7D
	CP-QPSK	/	/	/	18.926	18M9G7D

n5						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.488	4M49G7D
	QPSK	23.59	15.37	0.034	4.509	4M51G7D
	16QAM	/	/	/	4.489	4M49W7D
	64QAM	/	/	/	4.484	4M48W7D
	256QAM	/	/	/	4.479	4M48W7D
	CP-QPSK	/	/	/	4.483	4M48G7D
10	PI/2 BPSK	/	/	/	8.923	8M92G7D
	QPSK	23.53	15.31	0.034	8.922	8M92G7D
	16QAM	/	/	/	8.939	8M94W7D
	64QAM	/	/	/	8.924	8M92W7D
	256QAM	/	/	/	8.922	8M92W7D
	CP-QPSK	/	/	/	9.295	9M30G7D
15	PI/2 BPSK	/	/	/	13.415	13M4G7D
	QPSK	23.79	15.57	0.036	13.424	13M4G7D
	16QAM	/	/	/	13.431	13M4W7D
	64QAM	/	/	/	13.398	13M4W7D
	256QAM	/	/	/	13.423	13M4W7D
	CP-QPSK	/	/	/	14.108	14M1G7D
20	PI/2 BPSK	23.72	15.50	0.035	17.858	17M9G7D
	QPSK	23.82	15.60	0.036	17.862	17M9G7D
	16QAM	23.76	15.54	0.036	17.882	17M9W7D
	64QAM	22.36	14.14	0.026	17.899	17M9W7D
	256QAM	20.07	11.85	0.015	17.855	17M9W7D
	CP-QPSK	/	/	/	18.897	18M9G7D

n25						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4841	4M48G7D
	QPSK	23.74	25.14	0.327	4.4983	4M50G7D
	16QAM	/	/	/	4.4919	4M49W7D
	64QAM	/	/	/	4.4819	4M48W7D
	256QAM	/	/	/	4.4848	4M48W7D



	CP-QPSK	/	/	/	4.482	4M48G7D
10	PI/2 BPSK	/	/	/	8.9319	8M93G7D
	QPSK	23.73	25.13	0.326	8.9195	8M92G7D
	16QAM	/	/	/	8.9435	8M94W7D
	64QAM	/	/	/	8.9217	8M92W7D
	256QAM	/	/	/	8.9378	8M94W7D
	CP-QPSK	/	/	/	9.2844	9M28G7D
15	PI/2 BPSK	/	/	/	13.402	13M4G7D
	QPSK	23.82	25.22	0.333	13.418	13M4G7D
	16QAM	/	/	/	13.417	13M4W7D
	64QAM	/	/	/	13.389	13M4W7D
	256QAM	/	/	/	13.433	13M4W7D
	CP-QPSK	/	/	/	14.1	14M1G7D
20	PI/2 BPSK	/	/	/	17.876	17M9G7D
	QPSK	23.89	25.29	0.338	17.867	17M9G7D
	16QAM	23.74	25.14	0.327	17.872	17M9W7D
	64QAM	22.16	23.56	0.227	17.896	17M9W7D
	256QAM	19.88	21.28	0.134	17.849	17M9W7D
	CP-QPSK	/	/	/	18.912	18M9G7D

n26(814-824MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4827	4M48G7D
	QPSK	23.75	15.53	0.040	4.5144	4M51G7D
	16QAM	22.99	14.77	0.030	4.4958	4M50W7D
	64QAM	21.53	13.31	0.020	4.4819	4M48W7D
	256QAM	19.30	11.08	0.013	4.4824	4M48W7D
	CP-QPSK	/	/	/	4.4794	4M48G7D
10	PI/2 BPSK	/	/	/	8.9216	8M92G7D
	QPSK	23.13	14.91	0.031	8.9153	8M92G7D
	16QAM	/	/	/	8.9392	8M94W7D
	64QAM	/	/	/	8.9187	8M92W7D
	256QAM	/	/	/	8.9265	8M93W7D
	CP-QPSK	/	/	/	9.2746	9M27G7D



n26(824-849MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4883	4M49G7D
	QPSK	23.27	15.05	0.032	4.5101	4M51G7D
	16QAM	/	/	/	4.4891	4M49W7D
	64QAM	/	/	/	4.4832	4M48W7D
	256QAM	/	/	/	4.4864	4M49W7D
	CP-QPSK	/	/	/	4.4856	4M49G7D
10	PI/2 BPSK	/	/	/	8.9234	8M92G7D
	QPSK	23.29	15.07	0.032	8.926	8M93G7D
	16QAM	/	/	/	8.9369	8M94W7D
	64QAM	/	/	/	8.9248	8M92W7D
	256QAM	/	/	/	8.9229	8M92W7D
	CP-QPSK	/	/	/	9.2936	9M29G7D
15	PI/2 BPSK	/	/	/	13.414	13M4G7D
	QPSK	23.24	15.02	0.032	13.426	13M4G7D
	16QAM	/	/	/	13.429	13M4W7D
	64QAM	/	/	/	13.397	13M4W7D
	256QAM	/	/	/	13.432	13M4W7D
	CP-QPSK	/	/	/	14.119	14M1G7D
20	PI/2 BPSK	/	/	/	17.887	17M9G7D
	QPSK	23.77	15.55	0.036	17.855	17M9G7D
	16QAM	23.16	14.94	0.031	17.881	17M9W7D
	64QAM	21.67	13.45	0.022	17.885	17M9W7D
	256QAM	19.59	11.37	0.014	17.851	17M9W7D
	CP-QPSK	/	/	/	18.887	18M9G7D



n41						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	17.874	17M9G7D
	QPSK	24.45	27.77	0.598	17.852	17M9G7D
	16QAM	/	/	/	17.901	17M9W7D
	64QAM	/	/	/	17.866	17M9W7D
	256QAM	/	/	/	17.866	17M9W7D
	CP-QPSK	/	/	/	17.889	17M9G7D
30	PI/2 BPSK	/	/	/	26.811	26M8G7D
	QPSK	24.39	27.71	0.590	26.846	26M9G7D
	16QAM	/	/	/	26.87	26M9W7D
	64QAM	/	/	/	26.85	26M9W7D
	256QAM	/	/	/	26.823	26M8W7D
	CP-QPSK	/	/	/	26.836	26M8G7D
40	PI/2 BPSK	/	/	/	35.841	35M8G7D
	QPSK	24.40	27.72	0.592	35.844	35M8G7D
	16QAM	/	/	/	35.849	35M9W7D
	64QAM	/	/	/	35.844	35M8W7D
	256QAM	/	/	/	35.805	35M8W7D
	CP-QPSK	/	/	/	35.733	35M7G7D
50	PI/2 BPSK	/	/	/	45.818	45M8G7D
	QPSK	24.34	27.66	0.583	45.865	45M9G7D
	16QAM	/	/	/	45.855	45M9W7D
	64QAM	/	/	/	45.792	45M8W7D
	256QAM	/	/	/	45.85	45M9W7D
	CP-QPSK	/	/	/	45.751	45M8G7D
60	PI/2 BPSK	/	/	/	58.004	58M0G7D
	QPSK	24.22	27.54	0.568	57.888	57M9G7D
	16QAM	/	/	/	57.901	57M9W7D
	64QAM	/	/	/	58.032	58M0W7D
	256QAM	/	/	/	58.056	58M1W7D
	CP-QPSK	/	/	/	57.861	57M9G7D
70	PI/2 BPSK	/	/	/	64.415	64M4G7D
	QPSK	24.25	27.57	0.571	64.472	64M5G7D
	16QAM	/	/	/	64.387	64M4W7D



	64QAM	/	/	/	64.255	64M3W7D
	256QAM	/	/	/	64.263	64M3W7D
	CP-QPSK	/	/	/	64.272	64M3G7D
80	PI/2 BPSK	/	/	/	77.105	77M1G7D
	QPSK	24.19	27.51	0.564	77.211	77M2G7D
	16QAM	/	/	/	77.3	77M3W7D
	64QAM	/	/	/	77.314	77M3W7D
	256QAM	/	/	/	77.14	77M1W7D
	CP-QPSK	/	/	/	77.152	77M2G7D
90	PI/2 BPSK	/	/	/	86.775	86M8G7D
	QPSK	24.11	27.43	0.553	86.803	86M8G7D
	16QAM	/	/	/	86.899	86M9W7D
	64QAM	/	/	/	86.833	86M8W7D
	256QAM	/	/	/	86.652	86M7W7D
	CP-QPSK	/	/	/	86.911	86M9G7D
100	PI/2 BPSK	/	/	/	96.448	96M5G7D
	QPSK	24.58	27.90	0.617	96.506	96M5G7D
	16QAM	23.12	26.44	0.441	96.648	96M7W7D
	64QAM	21.70	25.02	0.318	96.457	96M5W7D
	256QAM	/	/	/	96.399	96M4W7D
	CP-QPSK	/	/	/	96.491	96M5G7D

n48						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	17.831	17M8G7D
	QPSK	26.29	26.03	0.401	17.835	17M8G7D
	16QAM	/	/	/	17.89	17M9W7D
	64QAM	/	/	/	17.837	17M8W7D
	256QAM	/	/	/	17.832	17M8W7D
	CP-QPSK	/	/	/	17.891	17M9G7D
40	PI/2 BPSK	26.25	25.99	0.397	35.746	35M8G7D
	QPSK	26.73	26.47	0.444	35.801	35M8G7D
	16QAM	24.36	24.10	0.257	35.796	35M8W7D
	64QAM	22.40	22.14	0.164	35.808	35M8W7D
	256QAM	20.76	20.50	0.112	35.775	35M8W7D



	CP-QPSK	/	/	/	35.694	35M7G7D
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n66						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.487	4M49G7D
	QPSK	22.83	25.51	0.356	4.489	4M49G7D
	16QAM	/	/	/	4.497	4M50W7D
	64QAM	/	/	/	4.472	4M47W7D
	256QAM	/	/	/	4.482	4M48W7D
	CP-QPSK	/	/	/	4.474	4M47G7D
10	PI/2 BPSK	/	/	/	8.92	8M92G7D
	QPSK	22.78	25.46	0.352	8.927	8M93G7D
	16QAM	/	/	/	8.953	8M95W7D
	64QAM	/	/	/	8.924	8M92W7D
	256QAM	/	/	/	8.937	8M94W7D
	CP-QPSK	/	/	/	9.284	9M28G7D
15	PI/2 BPSK	/	/	/	13.411	13M4G7D
	QPSK	22.96	25.64	0.366	13.434	13M4G7D
	16QAM	/	/	/	13.43	13M4W7D
	64QAM	/	/	/	13.39	13M4W7D
	256QAM	/	/	/	13.417	13M4W7D
	CP-QPSK	/	/	/	14.112	14M1G7D
20	PI/2 BPSK	22.88	25.56	0.360	17.878	17M9G7D
	QPSK	22.90	25.58	0.361	17.873	17M9G7D
	16QAM	22.81	25.49	0.354	17.892	17M9W7D
	64QAM	21.46	24.14	0.259	17.905	17M9W7D
	256QAM	19.09	21.77	0.150	17.86	17M9W7D
	CP-QPSK	/	/	/	18.905	18M9G7D

n71						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4834	4M48G7D
	QPSK	23.29	15.36	0.034	4.5025	4M50G7D



	16QAM	/	/	/	4.4919	4M49W7D
	64QAM	/	/	/	4.4784	4M48W7D
	256QAM	/	/	/	4.4911	4M49W7D
	CP-QPSK	/	/	/	4.4802	4M48G7D
10	PI/2 BPSK	/	/	/	8.9256	8M93G7D
	QPSK	23.40	15.47	0.035	8.9163	8M92G7D
	16QAM	/	/	/	8.9389	8M94W7D
	64QAM	/	/	/	8.9254	8M93W7D
	256QAM	/	/	/	8.9243	8M92W7D
	CP-QPSK	/	/	/	9.2847	9M28G7D
15	PI/2 BPSK	/	/	/	13.42	13M4G7D
	QPSK	23.44	15.51	0.036	13.422	13M4G7D
	16QAM	/	/	/	13.426	13M4W7D
	64QAM	/	/	/	13.396	13M4W7D
	256QAM	/	/	/	13.429	13M4W7D
	CP-QPSK	/	/	/	14.097	14M1G7D
20	PI/2 BPSK	23.53	15.60	0.036	17.862	17M9G7D
	QPSK	23.76	15.83	0.038	17.856	17M9G7D
	16QAM	23.42	15.49	0.035	17.857	17M9W7D
	64QAM	21.86	13.93	0.025	17.888	17M9W7D
	256QAM	19.36	11.43	0.014	17.832	17M8W7D
	CP-QPSK	/	/	/	18.904	18M9G7D

n77(3450-3550MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	17.852	17M9G7D
	QPSK	26.81	28.18	0.658	17.838	17M8G7D
	16QAM	/	/	/	17.879	17M9W7D
	64QAM	/	/	/	17.863	17M9W7D
	256QAM	/	/	/	17.857	17M9W7D
	CP-QPSK	/	/	/	17.896	17M9G7D
30	PI/2 BPSK	/	/	/	26.791	26M8G7D
	QPSK	26.84	28.21	0.662	26.819	26M8G7D
	16QAM	/	/	/	26.855	26M9W7D
	64QAM	/	/	/	26.815	26M8W7D



	256QAM	/	/	/	26.859	26M9W7D
	CP-QPSK	/	/	/	26.794	26M8G7D
40	PI/2 BPSK	/	/	/	35.76	35M8G7D
	QPSK	26.89	28.26	0.670	35.783	35M8G7D
	16QAM	/	/	/	35.8	35M8W7D
	64QAM	/	/	/	35.794	35M8W7D
	256QAM	/	/	/	35.773	35M8W7D
	CP-QPSK	/	/	/	35.698	35M7G7D
60	PI/2 BPSK	/	/	/	57.936	57M9G7D
	QPSK	26.62	27.99	0.630	57.918	57M9G7D
	16QAM	/	/	/	57.883	57M9W7D
	64QAM	/	/	/	57.983	58M0W7D
	256QAM	/	/	/	57.929	57M9W7D
	CP-QPSK	/	/	/	57.812	57M8G7D
80	PI/2 BPSK	/	/	/	76.955	77M0G7D
	QPSK	26.83	28.20	0.661	77.1	77M1G7D
	16QAM	/	/	/	77.162	77M2W7D
	64QAM	/	/	/	77.122	77M1W7D
	256QAM	/	/	/	77.068	77M1W7D
	CP-QPSK	/	/	/	77.067	77M1G7D
100	PI/2 BPSK	26.82	28.19	0.659	96.232	96M2G7D
	QPSK	26.93	28.30	0.676	96.289	96M3G7D
	16QAM	25.83	27.20	0.525	96.263	96M3W7D
	64QAM	24.47	25.84	0.384	96.296	96M3W7D
	256QAM	22.28	23.65	0.232	96.294	96M3W7D
	CP-QPSK	/	/	/	96.197	96M2G7D

n77(3700-3980MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	17.84	17M8G7D
	QPSK	27.99	29.36	0.863	17.842	17M8G7D
	16QAM	/	/	/	17.871	17M9W7D
	64QAM	/	/	/	17.831	17M8W7D
	256QAM	/	/	/	17.849	17M9W7D
	CP-QPSK	/	/	/	17.887	17M9G7D



30	PI/2 BPSK	/	/	/	26.785	26M8G7D
	QPSK	27.95	29.32	0.855	26.806	26M8G7D
	16QAM	/	/	/	26.824	26M8W7D
	64QAM	/	/	/	26.79	26M8W7D
	256QAM	/	/	/	26.806	26M8W7D
	CP-QPSK	/	/	/	26.806	26M8G7D
40	PI/2 BPSK	/	/	/	35.746	35M8G7D
	QPSK	28.07	29.44	0.879	35.758	35M8G7D
	16QAM	/	/	/	35.809	35M8W7D
	64QAM	/	/	/	35.778	35M8W7D
	256QAM	/	/	/	35.786	35M8W7D
	CP-QPSK	/	/	/	35.685	35M7G7D
60	PI/2 BPSK	/	/	/	57.902	57M9G7D
	QPSK	27.86	29.23	0.838	57.867	57M9G7D
	16QAM	/	/	/	57.918	57M9W7D
	64QAM	/	/	/	57.95	58M0W7D
	256QAM	/	/	/	57.831	57M8W7D
	CP-QPSK	/	/	/	57.874	57M9G7D
80	PI/2 BPSK	/	/	/	77.126	77M1G7D
	QPSK	27.91	29.28	0.847	77.141	77M1G7D
	16QAM	/	/	/	77.295	77M3W7D
	64QAM	/	/	/	77.094	77M1W7D
	256QAM	/	/	/	77.074	77M1W7D
	CP-QPSK	/	/	/	77.116	77M1G7D
100	PI/2 BPSK	27.87	29.24	0.839	96.404	96M4G7D
	QPSK	28.67	30.04	1.009	96.373	96M4G7D
	16QAM	26.93	28.30	0.676	96.342	96M3W7D
	64QAM	26.80	28.17	0.656	96.333	96M3W7D
	256QAM	23.15	24.52	0.283	96.403	96M4W7D
	CP-QPSK	/	/	/	96.235	96M2G7D

n78(3450-3550MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	/	/
	QPSK	27.90	27.73	0.593	/	/



	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	27.96	27.79	0.601	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	27.99	27.82	0.605	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
50	PI/2 BPSK	/	/	/	/	/
	QPSK	27.93	27.76	0.597	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	27.94	27.77	0.598	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
70	PI/2 BPSK	/	/	/	/	/
	QPSK	27.99	27.82	0.605	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	27.98	27.81	0.604	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
90	PI/2 BPSK	/	/	/	/	/
	QPSK	27.98	27.81	0.604	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/



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	256QAM	/	/	/	/	/
100	PI/2 BPSK	27.99	27.82	0.605	/	/
	QPSK	28.02	27.85	0.610	/	/
	16QAM	26.82	26.65	0.462	/	/
	64QAM	25.50	25.33	0.341	/	/
	256QAM	23.37	23.20	0.209	/	/



n78(3700-3800MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	/	/
	QPSK	27.66	27.49	0.561	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	27.67	27.50	0.562	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	27.89	27.72	0.592	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
50	PI/2 BPSK	/	/	/	/	/
	QPSK	27.68	27.51	0.564	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	27.58	27.41	0.551	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
70	PI/2 BPSK	/	/	/	/	/
	QPSK	27.68	27.51	0.564	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	27.43	27.26	0.532	/	/
	16QAM	/	/	/	/	/



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	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
90	PI/2 BPSK	/	/	/	/	/
	QPSK	26.92	26.75	0.473	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
100	PI/2 BPSK	27.71	27.54	0.568	/	/
	QPSK	27.73	27.56	0.570	/	/
	16QAM	25.38	25.21	0.332	/	/
	64QAM	24.07	23.90	0.245	/	/
	256QAM	21.78	21.61	0.145	/	/



1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24, Part 27, Part 90 and Part96 for the EUT FCC ID Certification:

No	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22	Public Mobile Services
3	47 CFR Part 24	Personal Communications Services
4	47 CFR Part 27	Miscellaneous Wireless Communications Services
5	47 CFR Part 90	Miscellaneous Wireless Communications Services
6	47 CFR Part 96	CITIZENS BROADBAND RADIO SERVICE

n2 & n25			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §24.232(c)	EIRP $\leq$ 2 W	PASS
Peak-Average Ratio	§24.232(d)	Limit $\leq$ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §24.238(a)(b)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §24.238(a)(b)	$\leq$ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §24.238(a)	$\leq$ -13 dBm/1MHz	PASS
Frequency Stability	§2.1055, §24.235	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".



n5& n26(824-849MHz)			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §22.913(a)(5)	ERP ≤ 7W	PASS
Peak-Average Ratio	N/A	N/A	N/A
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §22.917(a)(b)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §22.917(a)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §22.917(a)	≤ -13 dBm/1MHz	PASS
Frequency Stability	§2.1055, §22.355	≤ ±2.5ppm	PASS

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

n26(814-824MHz)		
Item	FCC Rule No.	Requirements
Effective (Isotropic) Radiated Power Output Data	§2.1046, §90.635(b)	ERP ≤ 3W
Peak-Average Ratio	N/A	N/A
Bandwidth	§2.1049	OBW: No limit EBW: No limit
Band Edges Compliance	§2.1051, §90.691(a)	Refer to section the following description
Spurious Emission at Antenna Terminals	§2.1051, §90.691(a)	≤ -13 dBm/1MHz
Field Strength of Spurious Radiation	§2.1053, §90.691(a)	≤ -13 dBm/1MHz
Frequency Stability	§2.1055, §90.543	No limit

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".



n41			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)(2)	EIRP ≤2W	PASS
Peak-Average Ratio	N/A	N/A	N/A
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §27.53(m)(4)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)(4)	≤ -25 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(m)(4)	≤ -25 dBm/1MHz	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

n48			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §96.41(b)	Refer to section 2.1	PASS
Peak-Average Ratio	§96.39(g)	≤ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §96.41(e)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §96.41(e)	≤ -40 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §96.41(e)	≤ -40 dBm/1MHz	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".



n66			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)(4)	EIRP $\leq$ 1 W	PASS
Peak-Average Ratio	§27.50(d) (5)	Limit $\leq$ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §27.53(h)(1) §27.53(h)(3)(i)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(h)(1)	$\leq$ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(h)(1)	$\leq$ -13 dBm/1MHz.	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

n71			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(c)(10)	ERP $\leq$ 3W	PASS
Peak-Average Ratio	N/A	N/A	N/A
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §27.53(g)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	$\leq$ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(g)	$\leq$ -13 dBm/1MHz	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".



n77(3450~3550MHz) & n78(3450~3550MHz)			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(K)(3)	EIRP $\leq$ 1W	PASS
Peak-Average Ratio	§27.50(K)(4)	$\leq$ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §27.53(l)(2)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(l)(2)	$\leq$ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(l)(2)	$\leq$ -13 dBm/1MHz.	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

n77(3700~3980MHz) & n78(3700~3800MHz)			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(j)(3)	EIRP $\leq$ 1W	PASS
Peak-Average Ratio	§27.50(j)(4)	$\leq$ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §27.53(n)(2)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(n)(2)	$\leq$ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(m)(4)	$\leq$ -13 dBm/1MHz.	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".



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

Test Item	Test Engineer	Result	Method Determination /Remark
Transmitter Conducted Output Power and ERP/EIRP	Li Huaijie	PASS	Nodeviation
Occupied Bandwidth	Li Huaijie	PASS	Nodeviation
Frequency Stability	Li Huaijie	PASS	Nodeviation
Peak to Average Radio	Li Huaijie	PASS	Nodeviation
Conducted Spurious Emissions	Li Huaijie	PASS	Nodeviation
Band Edge	Li Huaijie	PASS	Nodeviation
Radiated Spurious Emissions	Gao Jianrou	PASS	Nodeviation
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: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table. Note 3: The declared of product specification for EUT presented in the report are provided by manufacturer and the test laboratory is not responsible for the accuracy of the information. Note 4: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.			

1.5. Environmental Conditions

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

Temperature (°C):	15 - 35
Relative Humidity (%):	30 -60

2. Summary Test Results and Description

2.1. Transmitter Conducted Output Power

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 24.232 (c) for n2,n25, the ERP of Mobile and portable stations are limited to 2 watts EIRP.

According to FCC section 27.50 (d)(4) for n66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

According to FCC section 22.913 (a)(5) for n5, n26(824-849MHz), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

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

According to FCC section 27.50(c)(10) for n71, Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

According to FCC section 90.635(b) for n26 (814-824MHz), the maximum output power of the transmitter for mobile stations is 100 watts.

According to FCC section 96.41(b) for n48, the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table as below. Paragraph

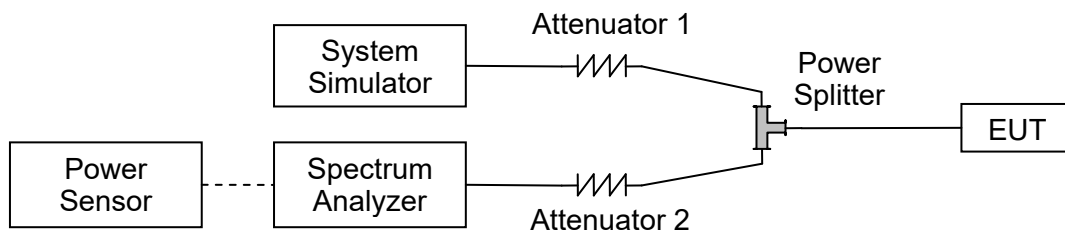
Device	Maximum EIRP (dBm/10 megahertz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a
Category A CBSD	30	20
Category B CBSD ¹	47	37

According to FCC section 27.50(j)(3) for n77(3700-3980MHz), n78(3700-3800MHz), mobile and

portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50(k)(3) for n77, n78(3450-3550MHz), Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

2.1.2.Test Description



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

2.1.3.Test procedure

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

2.1.4. Conducted Output Power

n2						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				372000	376000	380000
Frequency (MHz)				1860	1880	1900
20	DFT-s-OFDM PI/2 BPSK	1	1	23.51	23.35	23.06
20		1	53	23.50	23.20	23.12
20		1	104	23.41	23.11	23.05
20		50	1	23.06	22.88	22.70
20		50	25	23.56	23.32	23.18
20		50	50	23.02	22.75	22.62
20		100	0	23.08	22.82	22.67
20	DFT-s-OFDM QPSK	1	1	23.47	23.35	23.09
20		1	53	23.50	23.34	23.17
20		1	104	23.38	23.12	23.02
20		50	1	22.57	22.33	22.16
20		50	25	23.54	23.33	23.12
20		50	50	22.54	22.28	22.10
20		100	0	22.58	22.35	22.14
20	DFT-s-OFDM 16QAM	1	1	22.43	22.33	22.04
20	DFT-s-OFDM 64QAM	1	1	20.99	20.84	20.60
20	DFT-s-OFDM 256QAM	1	1	18.78	18.65	18.38
20	CP-OFDM QPSK	1	1	21.97	21.80	21.57
20	CP-OFDM 16QAM	1	1	21.45	21.30	21.05
20	CP-OFDM 64QAM	1	1	19.78	19.63	19.43
20	CP-OFDM 256QAM	1	1	16.78	16.62	16.39
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	23.51	23.36	23.15
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	23.45	23.36	23.03
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	23.50	23.34	22.96



n5						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				166800	167300	167800
Frequency (MHz)				834	836.5	839
20	DFT-s-OFDM PI/2 BPSK	1	1	23.61	23.67	23.67
20		1	53	23.53	23.51	23.55
20		1	104	23.27	23.21	23.29
20		50	1	23.72	23.71	23.72
20		50	25	23.62	23.66	23.59
20		50	50	23.62	23.51	23.49
20		100	0	23.70	23.62	23.54
20	DFT-s-OFDM QPSK	1	1	23.77	23.82	23.81
20		1	53	23.60	23.60	23.68
20		1	104	23.35	23.24	23.32
20		50	1	23.71	23.73	23.64
20		50	25	23.65	23.65	23.56
20		50	50	23.50	23.54	23.31
20		100	0	23.69	23.67	23.51
20	DFT-s-OFDM 16QAM	1	1	23.72	23.76	23.75
20	DFT-s-OFDM 64QAM	1	1	22.14	22.33	22.36
20	DFT-s-OFDM 256QAM	1	1	19.98	20.07	20.00
20	CP-OFDM QPSK	1	1	23.21	23.31	23.11
20	CP-OFDM 16QAM	1	1	22.80	22.82	22.77
20	CP-OFDM 64QAM	1	1	21.27	21.42	21.32
20	CP-OFDM 256QAM	1	1	18.01	18.11	18.10
Channel				166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5
15	DFT-s-OFDM QPSK	1	1	23.75	23.79	23.57
Channel				165800	167300	168800
Frequency (MHz)				829	836.5	844
10	DFT-s-OFDM QPSK	1	1	23.53	23.35	23.48
Channel				165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5
5	DFT-s-OFDM QPSK	1	1	23.59	23.52	23.28

n25						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				372000	376500	381000
Frequency (MHz)				1860.00	1882.50	1905.00



20	DFT-s-OFDM PI/2 BPSK	1	1	23.64	23.63	23.51
20		1	53	23.73	23.63	23.49
20		1	104	23.75	23.56	23.63
20		50	1	23.81	23.62	23.48
20		50	25	23.85	23.66	23.60
20		50	50	23.74	23.60	23.68
20		100	0	23.87	23.66	23.56
20		1	1	23.88	23.89	23.86
20	DFT-s-OFDM QPSK	1	53	23.81	23.49	23.52
20		1	104	23.72	23.54	23.64
20		50	1	23.71	23.74	23.65
20		50	25	23.86	23.66	23.60
20		50	50	23.77	23.53	23.49
20		100	0	23.55	23.68	23.48
20		1	1	23.74	23.58	23.48
20	DFT-s-OFDM 16QAM	1	1	22.16	22.08	21.89
20	DFT-s-OFDM 64QAM	1	1			
20	DFT-s-OFDM 256QAM	1	1	19.88	19.70	19.54
20	CP-OFDM QPSK	1	1	22.69	22.64	22.68
20	CP-OFDM 16QAM	1	1	22.62	22.50	22.37
20	CP-OFDM 64QAM	1	1	20.88	20.76	20.51
20	CP-OFDM 256QAM	1	1	17.92	17.77	17.59
Channel				371500	376500	381500
Frequency (MHz)				1857.5	1882.5	1907.5
15	DFT-s-OFDM QPSK	1	1	23.82	23.64	23.48
Channel				371000	376500	382000
Frequency (MHz)				1855	1882.5	1910
10	DFT-s-OFDM QPSK	1	1	23.73	23.54	23.46
Channel				370500	376500	382500
Frequency (MHz)				1852.5	1882.5	1912.5
5	DFT-s-OFDM QPSK	1	1	23.74	23.59	23.55

n26(814-824MHz)						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				/	163800	/
Frequency (MHz)				/	819	/
10	DFT-s-OFDM PI/2 BPSK	1	1	/	23.03	/
10		1	53	/	23.15	/
10		1	104	/	23.25	/
10		50	1	/	23.15	/
10		50	25	/	23.18	/
10		50	50	/	23.26	/
10		100	0	/	23.21	/



10	DFT-s-OFDM QPSK	1	1	/	23.75	/
10		1	53	/	23.16	/
10		1	104	/	23.24	/
10		50	1	/	23.64	/
10		50	25	/	23.19	/
10		50	50	/	23.25	/
10		100	0	/	23.59	/
10	DFT-s-OFDM 16QAM	1	1	/	22.99	/
10	DFT-s-OFDM 64QAM	1	1	/	21.53	/
10	DFT-s-OFDM 256QAM	1	1	/	19.30	/
10	CP-OFDM QPSK	1	1	/	22.43	/
10	CP-OFDM 16QAM	1	1	/	21.93	/
10	CP-OFDM 64QAM	1	1	/	20.26	/
10	CP-OFDM 256QAM	1	1	/	17.42	/
Channel				163300	163800	164300
Frequency (MHz)				816.5	819	821.5
5	DFT-s-OFDM QPSK	1	1	23.01	23.05	23.13

n26(824-849MHz)						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				166800	167300	167800
Frequency (MHz)				834	836.5	839
20	DFT-s-OFDM PI/2 BPSK	1	1	23.21	23.24	23.21
20		1	53	23.22	23.11	23.05
20		1	104	23.08	23.02	23.31
20		50	1	23.27	23.29	23.29
20		50	25	23.31	23.23	23.17
20		50	50	23.17	23.06	23.18
20		100	0	23.30	23.22	23.23
20	DFT-s-OFDM QPSK	1	1	23.72	23.77	23.69
20		1	53	23.26	23.10	23.06
20		1	104	23.13	23.00	23.28
20		50	1	23.32	23.24	23.32
20		50	25	23.30	23.22	23.22
20		50	50	23.17	23.12	23.13
20		100	0	23.30	23.22	23.27
20	DFT-s-OFDM 16QAM	1	1	23.15	23.16	23.16
20	DFT-s-OFDM 64QAM	1	1	21.67	21.67	21.65
20	DFT-s-OFDM 256QAM	1	1	19.52	19.59	19.59
20	CP-OFDM QPSK	1	1	22.66	22.68	22.67
20	CP-OFDM 16QAM	1	1	22.14	22.14	22.14



20	CP-OFDM 64QAM	1	1	20.43	20.47	20.45
20	CP-OFDM 256QAM	1	1	17.73	17.73	17.64
Channel				166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5
15	DFT-s-OFDM QPSK	1	1	23.24	23.17	23.17
Channel				165800	167300	168800
Frequency (MHz)				829	836.5	844
10	DFT-s-OFDM QPSK	1	1	23.29	23.11	23.10
Channel				165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5
5	DFT-s-OFDM QPSK	1	1	23.27	23.12	22.99

n41						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640
100	DFT-s-OFDM PI/2 BPSK	1	1	24.05	24.15	24.13
100		1	136	24.15	24.21	23.95
100		1	271	24.25	24.06	23.39
100		135	1	23.69	23.66	23.60
100		135	67	24.25	24.22	24.03
100		135	136	23.69	23.58	23.12
100		270	0	23.65	23.75	23.53
100	DFT-s-OFDM QPSK	1	1	24.47	24.58	24.56
100		1	136	24.16	24.12	23.97
100		1	271	24.46	24.00	23.39
100		135	1	23.16	23.17	23.12
100		135	67	24.24	24.22	24.05
100		135	136	23.18	23.13	22.62
100		270	0	23.14	23.22	23.06
100	DFT-s-OFDM 16QAM	1	1	23.00	23.12	23.00
100	DFT-s-OFDM 64QAM	1	1	21.58	21.70	21.63
100	DFT-s-OFDM 256QAM	1	1	19.39	19.43	19.39
100	CP-OFDM QPSK	1	1	22.59	22.67	22.63
100	CP-OFDM 16QAM	1	1	22.10	22.21	22.13
100	CP-OFDM 64QAM	1	1	20.18	20.23	20.25
100	CP-OFDM 256QAM	1	1	17.48	17.42	17.46
Channel				508200	518598	528996
Frequency (MHz)				2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	24.09	24.09	24.11



Channel				507204	518598	529998
Frequency (MHz)				2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	24.13	24.19	24.13
Channel				506202	518598	531000
Frequency (MHz)				2531.01	2592.99	2655
70	DFT-s-OFDM QPSK	1	1	24.15	24.25	24.19
Channel				505200	518598	531996
Frequency (MHz)				2526	2592.99	2659.98
60	DFT-s-OFDM QPSK	1	1	24.20	24.22	24.15
Channel				504204	518598	532998
Frequency (MHz)				2521.02	2592.99	2664.99
50	DFT-s-OFDM QPSK	1	1	24.27	24.34	24.16
Channel				503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670
40	DFT-s-OFDM QPSK	1	1	24.40	24.26	24.11
Channel				502200	518598	534996
Frequency (MHz)				2511	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	24.34	24.39	23.87
Channel				501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	24.32	24.45	23.81

n48						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				638000	641666	645332
Frequency (MHz)				3570	3624.99	3679.98
40	DFT-s-OFDM PI/2 BPSK	1	1	24.92	23.81	25.48
40		1	53	25.69	22.82	26.20
40		1	104	24.58	24.41	26.25
40		50	1	24.41	22.81	25.36
40		50	25	24.83	23.24	26.18
40		50	50	24.14	22.98	25.43
40		100	0	24.25	22.83	25.69
40	DFT-s-OFDM QPSK	1	1	26.55	26.73	26.67
40		1	53	24.83	22.83	26.22
40		1	104	25.58	24.41	26.70
40		50	1	25.72	25.83	25.67
40		50	25	24.87	25.11	25.58
40		50	50	24.56	25.45	25.50
40		100	0	25.55	25.35	25.19
40	DFT-s-OFDM 16QAM	1	1	23.81	23.66	24.36



40	DFT-s-OFDM 64QAM	1	1	22.40	22.26	22.33
40	DFT-s-OFDM 256QAM	1	1	20.25	19.14	20.76
40	CP-OFDM QPSK	1	1	23.44	22.30	23.97
40	CP-OFDM 16QAM	1	1	22.89	21.86	23.54
40	CP-OFDM 64QAM	1	1	21.02	19.88	21.57
40	CP-OFDM 256QAM	1	1	18.25	17.05	18.75
Channel				637334	641666	646000
Frequency (MHz)				3560.01	3624.99	3690
20	DFT-s-OFDM QPSK	1	1	24.75	23.14	26.29

n66						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM PI/2 BPSK	1	1	22.81	22.65	22.57
20		1	53	22.73	22.60	22.51
20		1	104	22.63	22.66	22.53
20		50	1	22.88	22.71	22.66
20		50	25	22.87	22.66	22.61
20		50	50	22.79	22.67	22.60
20		100	0	22.83	22.68	22.65
20	DFT-s-OFDM QPSK	1	1	22.88	22.90	22.86
20		1	53	22.81	22.59	22.49
20		1	104	22.66	22.64	22.52
20		50	1	22.80	22.84	22.79
20		50	25	22.78	22.74	22.59
20		50	50	22.76	22.68	22.56
20		100	0	22.82	22.74	22.56
20	DFT-s-OFDM 16QAM	1	1	22.81	22.76	22.66
20	DFT-s-OFDM 64QAM	1	1	21.46	21.24	21.17
20	DFT-s-OFDM 256QAM	1	1	19.09	18.90	18.81
20	CP-OFDM QPSK	1	1	22.47	22.29	22.19
20	CP-OFDM 16QAM	1	1	22.01	21.70	21.67
20	CP-OFDM 64QAM	1	1	20.56	20.35	20.28
20	CP-OFDM 256QAM	1	1	17.09	16.92	16.79
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	22.96	22.84	22.76



Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	22.78	22.65	22.57
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	22.83	22.69	22.73

n71						
BW [MHz]	Modulation	RB Size	RB start	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	23.31	23.34	23.41
20		1	53	23.31	23.53	23.52
20		1	104	23.42	23.43	23.27
20		50	1	23.34	23.38	23.52
20		50	25	23.35	23.44	23.44
20		50	50	23.42	23.45	23.37
20		100	0	23.30	23.37	23.38
20	DFT-s-OFDM QPSK	1	1	23.71	23.76	23.74
20		1	53	23.31	23.46	23.43
20		1	104	23.42	23.45	23.20
20		50	1	23.39	23.34	23.49
20		50	25	23.36	23.43	23.47
20		50	50	23.43	23.44	23.36
20		100	0	23.34	23.41	23.42
20	DFT-s-OFDM 16QAM	1	1	23.29	23.32	23.42
20	DFT-s-OFDM 64QAM	1	1	21.83	21.80	21.86
20	DFT-s-OFDM 256QAM	1	1	19.30	19.36	19.34
20	CP-OFDM QPSK	1	1	22.74	22.73	22.82
20	CP-OFDM 16QAM	1	1	22.21	22.24	22.34
20	CP-OFDM 64QAM	1	1	20.54	20.57	20.57
20	CP-OFDM 256QAM	1	1	17.36	17.44	17.41
Channel				134100	136100	138100
Frequency (MHz)				670.5	680.5	690.5
15	DFT-s-OFDM QPSK	1	1	23.31	23.31	23.44
Channel				133600	136100	138600
Frequency (MHz)				668	680.5	693
10	DFT-s-OFDM QPSK	1	1	23.28	23.35	23.40
Channel				133100	136100	139100
Frequency (MHz)				665.5	680.5	695.5
5	DFT-s-OFDM QPSK	1	1	23.29	23.28	23.28



n77(3450-3550MHz)						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	26.82	/
100		1	136	/	26.17	/
100		1	271	/	25.95	/
100		135	1	/	26.22	/
100		135	67	/	26.51	/
100		135	136	/	25.49	/
100		270	0	/	25.95	/
100	DFT-s-OFDM QPSK	1	1	/	26.93	/
100		1	136	/	26.45	/
100		1	271	/	25.89	/
100		135	1	/	26.51	/
100		135	67	/	26.49	/
100		135	136	/	25.96	/
100		270	0	/	26.42	/
100	DFT-s-OFDM 16QAM	1	1	/	25.83	/
100	DFT-s-OFDM 64QAM	1	1	/	24.47	/
100	DFT-s-OFDM 256QAM	1	1	/	22.28	/
100	CP-OFDM QPSK	1	1	/	25.42	/
100	CP-OFDM 16QAM	1	1	/	24.91	/
100	CP-OFDM 64QAM	1	1	/	23.03	/
100	CP-OFDM 256QAM	1	1	/	20.29	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.83	26.82	26.59
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.03	26.62	26.54
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.89	26.86	26.69
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.84	26.80	26.45
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.81	26.75	26.19



n77(3700-3980MHz)						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	26.08	27.80	26.75
100		1	136	27.77	27.68	27.65
100		1	271	27.57	26.68	26.45
100		135	1	27.02	27.30	26.76
100		135	67	27.87	27.70	25.71
100		135	136	27.02	26.38	25.09
100		270	0	27.01	27.17	26.68
100	DFT-s-OFDM QPSK	1	1	28.52	28.67	28.62
100		1	136	28.13	27.71	25.52
100		1	271	27.58	26.70	25.41
100		135	1	27.54	27.87	27.79
100		135	67	27.25	27.66	25.69
100		135	136	26.54	25.88	25.22
100		270	0	27.44	26.69	25.34
100	DFT-s-OFDM 16QAM	1	1	26.93	26.43	25.66
100	DFT-s-OFDM 64QAM	1	1	26.80	25.34	24.35
100	DFT-s-OFDM 256QAM	1	1	21.37	23.15	22.05
100	CP-OFDM QPSK	1	1	24.57	26.32	25.25
100	CP-OFDM 16QAM	1	1	24.07	25.89	24.77
100	CP-OFDM 64QAM	1	1	22.17	23.89	22.85
100	CP-OFDM 256QAM	1	1	20.39	21.06	20.08
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	26.05	27.91	26.22
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	26.09	27.86	25.57
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	26.50	28.07	24.94
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	26.42	27.95	24.98
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.34	27.99	25.36



n78(3450-3550MHz)						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	27.99	/
100		1	136	/	26.84	/
100		1	271	/	26.15	/
100		135	1	/	26.85	/
100		135	67	/	27.05	/
100		135	136	/	25.74	/
100		270	0	/	26.45	/
100	DFT-s-OFDM QPSK	1	1	/	28.02	/
100		1	136	/	26.89	/
100		1	271	/	26.12	/
100		135	1	/	27.03	/
100		135	67	/	26.88	/
100		135	136	/	26.28	/
100		270	0	/	26.93	/
100	DFT-s-OFDM 16QAM	1	1	/	26.82	/
100	DFT-s-OFDM 64QAM	1	1	/	25.50	/
100	DFT-s-OFDM 256QAM	1	1	/	23.37	/
100	CP-OFDM QPSK	1	1	/	26.29	/
100	CP-OFDM 16QAM	1	1	/	25.83	/
100	CP-OFDM 64QAM	1	1	/	24.19	/
100	CP-OFDM 256QAM	1	1	/	21.30	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	27.98	27.81	27.66
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	27.98	27.75	27.38
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	27.99	27.63	27.15
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	27.94	27.48	27.12
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525



50	DFT-s-OFDM QPSK	1	1	27.93	27.26	26.99
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	27.99	27.43	27.04
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	27.96	27.32	26.63
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	27.90	27.30	26.40

n78(3700-3800MHz)						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				/	650000	/
Frequency (MHz)				/	3750	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	26.51	/
100		1	136	/	27.71	/
100		1	271	/	27.60	/
100		135	1	/	27.10	/
100		135	67	/	27.68	/
100		135	136	/	26.88	/
100		270	0	/	27.00	/
100	DFT-s-OFDM QPSK	1	1	/	27.73	/
100		1	136	/	26.89	/
100		1	271	/	27.09	/
100		135	1	/	27.61	/
100		135	67	/	27.49	/
100		135	136	/	27.37	/
100		270	0	/	27.41	/
100	DFT-s-OFDM 16QAM	1	1	/	25.38	/
100	DFT-s-OFDM 64QAM	1	1	/	24.07	/
100	DFT-s-OFDM 256QAM	1	1	/	21.78	/
100	CP-OFDM QPSK	1	1	/	24.98	/
100	CP-OFDM 16QAM	1	1	/	24.62	/
100	CP-OFDM 64QAM	1	1	/	22.69	/
100	CP-OFDM 256QAM	1	1	/	19.81	/
Channel				649668	650000	650332
Frequency (MHz)				3745.02	3750	3754.98
90	DFT-s-OFDM QPSK	1	1	26.47	26.65	26.92
Channel				649334	650000	650666



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Frequency (MHz)				3740.01	3750	3759.99
80	DFT-s-OFDM QPSK	1	1	26.52	26.95	27.43
Channel				649000	650000	651000
Frequency (MHz)				3735	3750	3765
70	DFT-s-OFDM QPSK	1	1	26.53	27.18	27.68
Channel				648668	650000	651332
Frequency (MHz)				3730.02	3750	3769.98
60	DFT-s-OFDM QPSK	1	1	26.42	27.43	27.58
Channel				648334	650000	651666
Frequency (MHz)				3725.01	3750	3774.99
50	DFT-s-OFDM QPSK	1	1	26.59	27.67	27.68
Channel				648000	650000	652000
Frequency (MHz)				3720	3750	3780
40	DFT-s-OFDM QPSK	1	1	26.80	27.63	27.89
Channel				647668	650000	652332
Frequency (MHz)				3715.02	3750	3784.98
30	DFT-s-OFDM QPSK	1	1	26.68	27.67	27.51
Channel				647334	650000	652666
Frequency (MHz)				3710.01	3750	3789.99
20	DFT-s-OFDM QPSK	1	1	26.66	27.66	27.54



DC_5A_n2						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				372000	376000	380000
Frequency (MHz)				1860	1880	1900
20	DFT-s-OFDM PI/2 BPSK	1	1	23.14	22.82	22.50
20		1	53	23.06	22.55	22.38
20		1	104	21.83	21.61	21.70
20		50	1	22.89	22.54	22.32
20		50	25	23.08	22.64	22.45
20		50	50	22.63	22.65	22.09
20		100	0	22.82	22.50	22.44
20	DFT-s-OFDM QPSK	1	1	23.09	22.70	22.45
20		1	53	22.98	22.59	22.40
20		1	104	22.82	22.46	22.54
20		50	1	22.15	21.90	21.60
20		50	25	23.09	22.68	22.49
20		50	50	22.29	21.62	21.63
20		100	0	22.19	21.75	21.64
20	DFT-s-OFDM 16QAM	1	1	22.22	22.30	21.81
20	DFT-s-OFDM 64QAM	1	1	20.89	20.62	20.27
20	DFT-s-OFDM 256QAM	1	1	18.86	18.46	18.22
20	CP-OFDM QPSK	1	1	21.66	21.37	21.10
20	CP-OFDM 16QAM	1	1	21.37	20.81	20.56
20	CP-OFDM 64QAM	1	1	19.70	19.67	19.14
20	CP-OFDM 256QAM	1	1	16.83	16.56	16.19
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	23.07	22.67	22.45
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	23.07	22.70	22.52
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	23.04	22.70	22.59



DC_5A_n66						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM PI/2 BPSK	1	1	22.73	22.79	22.80
20		1	53	22.83	22.91	22.73
20		1	104	22.81	22.64	22.66
20		50	1	22.49	22.51	22.37
20		50	25	22.92	22.78	22.81
20		50	50	22.51	22.42	22.43
20		100	0	22.54	22.55	22.46
20	DFT-s-OFDM QPSK	1	1	22.70	22.99	22.82
20		1	53	22.89	22.84	22.71
20		1	104	22.89	22.80	22.67
20		50	1	22.15	21.92	21.84
20		50	25	22.95	22.97	22.81
20		50	50	22.05	22.09	21.92
20		100	0	22.04	22.20	21.97
20	DFT-s-OFDM 16QAM	1	1	22.25	22.23	22.18
20	DFT-s-OFDM 64QAM	1	1	20.52	20.67	20.64
20	DFT-s-OFDM 256QAM	1	1	18.87	18.92	18.96
20	CP-OFDM QPSK	1	1	21.74	21.87	21.81
20	CP-OFDM 16QAM	1	1	20.91	20.94	20.98
20	CP-OFDM 64QAM	1	1	19.68	19.73	19.73
20	CP-OFDM 256QAM	1	1	15.83	15.87	15.81
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	22.74	22.83	22.80
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	22.82	22.86	22.74
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	22.72	22.81	22.63



DC_5A_n66						
BW [MHz]	Modulation	RB Size	RB start	Low Channel	Middle Channel	High Channel
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM PI/2 BPSK	1	1	22.93	22.90	22.67
20		1	53	22.97	22.85	22.71
20		1	104	23.06	22.90	22.65
20		50	1	22.66	22.45	22.30
20		50	25	23.03	22.86	22.72
20		50	50	22.82	22.40	22.30
20		100	0	22.62	22.43	22.30
20	DFT-s-OFDM QPSK	1	1	22.98	22.84	22.63
20		1	53	22.96	22.83	22.84
20		1	104	22.93	22.76	22.62
20		50	1	22.31	22.12	21.81
20		50	25	23.03	22.84	22.88
20		50	50	22.11	21.96	21.84
20		100	0	22.35	22.15	21.82
20	DFT-s-OFDM 16QAM	1	1	22.35	22.23	22.30
20	DFT-s-OFDM 64QAM	1	1	20.65	20.52	20.80
20	DFT-s-OFDM 256QAM	1	1	18.65	18.50	18.29
20	CP-OFDM QPSK	1	1	21.63	21.49	21.30
20	CP-OFDM 16QAM	1	1	21.16	21.02	20.79
20	CP-OFDM 64QAM	1	1	19.69	19.83	18.19
20	CP-OFDM 256QAM	1	1	16.65	16.52	16.39
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	23.02	22.92	22.67
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	23.00	22.87	22.69
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	23.01	22.88	22.70



Effective Radiated Power and Effective Isotropic Radiated Power:

n2									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				372000	372000	376000	376000	380000	380000
Frequency (MHz)				1860.00	1860.00	1880.00	1880.00	1900.00	1900.00
20	DFT-s-OFDM PI/2 BPSK	1	1	25.34	0.342	25.30	0.339	25.00	0.316
20		1	53	25.40	0.347	25.09	0.323	25.04	0.319
20		1	104	25.13	0.326	25.01	0.317	24.98	0.315
20		50	1	25.55	0.359	25.27	0.337	25.11	0.324
20		50	25	25.49	0.354	25.27	0.337	25.10	0.324
20		50	50	25.45	0.351	25.24	0.334	25.14	0.327
20		100	0	25.45	0.351	25.27	0.337	25.08	0.322
20	DFT-s-OFDM QPSK	1	1	25.54	0.358	25.60	0.363	25.49	0.354
20		1	53	25.39	0.346	25.19	0.330	25.42	0.348
20		1	104	25.23	0.333	25.14	0.327	25.10	0.324
20		50	1	25.52	0.356	25.55	0.359	25.54	0.358
20		50	25	25.50	0.355	25.16	0.328	25.15	0.327
20		50	50	25.42	0.348	25.16	0.328	25.21	0.332
20		100	0	25.48	0.353	25.26	0.336	25.10	0.324
20	DFT-s-OFDM 16QAM	1	1	25.58	0.361	25.44	0.350	25.18	0.330
20	DFT-s-OFDM 64QAM	1	1	24.05	0.254	23.97	0.249	23.69	0.234
20	DFT-s-OFDM 256QAM	1	1	21.67	0.147	21.63	0.146	21.37	0.137
20	CP-OFDM QPSK	1	1	24.95	0.313	24.86	0.306	24.62	0.290
20	CP-OFDM 16QAM	1	1	24.45	0.279	24.42	0.277	24.15	0.260
20	CP-OFDM 64QAM	1	1	23.11	0.205	23.03	0.201	22.72	0.187
20	CP-OFDM 256QAM	1	1	19.78	0.095	19.70	0.093	19.37	0.086
Channel				371500	371500	376000	376000	380500	380500
Frequency (MHz)				1857.50	1857.50	1880.00	1880.00	1902.50	1902.50
15	DFT-s-OFDM QPSK	1	1	25.56	0.360	25.30	0.339	25.06	0.321
Channel				371000	371000	376000	376000	381000	381000
Frequency (MHz)				1855.00	1855.00	1880.00	1880.00	1905.00	1905.00
10	DFT-s-OFDM QPSK	1	1	25.55	0.359	25.28	0.337	25.17	0.329



Channel				370500	370500	376000	376000	381500	381500
Frequency (MHz)				1852.50	1852.50	1880.00	1880.00	1907.50	1907.50
5	DFT-s-OFDM QPSK	1	1	25.53	0.357	25.10	0.324	25.06	0.321

n5 (PC3)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				166800	166800	167300	167300	167800	167800
Frequency (MHz)				834.00	834.00	836.50	836.50	839.00	839.00
20	DFT-s-OFDM PI/2 BPSK	1	1	15.39	0.035	15.45	0.035	15.45	0.035
20		1	53	15.31	0.034	15.29	0.034	15.33	0.034
20		1	104	15.05	0.032	14.99	0.032	15.07	0.032
20		50	1	15.50	0.035	15.49	0.035	15.50	0.035
20		50	25	15.40	0.035	15.44	0.035	15.37	0.034
20		50	50	15.40	0.035	15.29	0.034	15.27	0.034
20		100	0	15.48	0.035	15.40	0.035	15.32	0.034
20	DFT-s-OFDM QPSK	1	1	15.55	0.036	15.60	0.036	15.59	0.036
20		1	53	15.38	0.035	15.38	0.035	15.46	0.035
20		1	104	15.13	0.033	15.02	0.032	15.10	0.032
20		50	1	15.49	0.035	15.51	0.036	15.42	0.035
20		50	25	15.43	0.035	15.43	0.035	15.34	0.034
20		50	50	15.28	0.034	15.32	0.034	15.09	0.032
20		100	0	15.47	0.035	15.45	0.035	15.29	0.034
20	DFT-s-OFDM 16QAM	1	1	15.50	0.035	15.54	0.036	15.53	0.036
20	DFT-s-OFDM 64QAM	1	1	13.92	0.025	14.11	0.026	14.14	0.026
20	DFT-s-OFDM 256QAM	1	1	11.76	0.015	11.85	0.015	11.78	0.015
20	CP-OFDM QPSK	1	1	14.99	0.032	15.09	0.032	14.89	0.031
20	CP-OFDM 16QAM	1	1	14.58	0.029	14.60	0.029	14.55	0.029
20	CP-OFDM 64QAM	1	1	13.05	0.020	13.20	0.021	13.10	0.020
20	CP-OFDM 256QAM	1	1	9.79	0.010	9.89	0.010	9.88	0.010
Channel				166300	166300	167300	167300	168300	168300
Frequency (MHz)				831.50	831.50	836.50	836.50	841.50	841.50
15	DFT-s-OFDM QPSK	1	1	15.53	0.036	15.57	0.036	15.35	0.034



Channel				165800	165800	167300	167300	168800	168800
Frequency (MHz)				829.00	829.00	836.50	836.50	844.00	844.00
10	DFT-s-OFDM QPSK	1	1	15.31	0.034	15.13	0.033	15.26	0.034
Channel				165300	165300	167300	167300	169300	169300
Frequency (MHz)				826.50	826.50	836.50	836.50	846.50	846.50
5	DFT-s-OFDM QPSK	1	1	15.37	0.034	15.30	0.034	15.06	0.032

n25									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				372000	372000	376500	376500	381000	381000
Frequency (MHz)				1860.00	1860.00	1882.50	1882.50	1905.00	1905.00
20	DFT-s-OFDM PI/2 BPSK	1	1	25.04	0.319	25.03	0.318	24.91	0.310
20		1	53	25.13	0.326	25.03	0.318	24.89	0.308
20		1	104	25.15	0.327	24.96	0.313	25.03	0.318
20		50	1	25.21	0.332	25.02	0.318	24.88	0.308
20		50	25	25.25	0.335	25.06	0.321	25.00	0.316
20		50	50	25.14	0.327	25.00	0.316	25.08	0.322
20		100	0	25.27	0.337	25.06	0.321	24.96	0.313
20	DFT-s-OFDM QPSK	1	1	25.28	0.337	25.29	0.338	25.26	0.336
20		1	53	25.21	0.332	24.89	0.308	24.92	0.310
20		1	104	25.12	0.325	24.94	0.312	25.04	0.319
20		50	1	25.11	0.324	25.14	0.327	25.05	0.320
20		50	25	25.26	0.336	25.06	0.321	25.00	0.316
20		50	50	25.17	0.329	24.93	0.311	24.89	0.308
20		100	0	24.95	0.313	25.08	0.322	24.88	0.308
20	DFT-s-OFDM 16QAM	1	1	25.14	0.327	24.98	0.315	24.88	0.308
20	DFT-s-OFDM 64QAM	1	1	23.56	0.227	23.48	0.223	23.29	0.213
20	DFT-s-OFDM 256QAM	1	1	21.28	0.134	21.10	0.129	20.94	0.124
20	CP-OFDM QPSK	1	1	24.09	0.256	24.04	0.254	24.08	0.256
20	CP-OFDM 16QAM	1	1	24.02	0.252	23.90	0.245	23.77	0.238
20	CP-OFDM 64QAM	1	1	22.28	0.169	22.16	0.164	21.91	0.155
20	CP-OFDM 256QAM	1	1	19.32	0.086	19.17	0.083	18.99	0.079



Channel				371500	371500	376500	376500	381500	381500
Frequency (MHz)				1857.50	1857.50	1882.50	1882.50	1907.50	1907.50
15	DFT-s-OFDM QPSK	1	1	25.22	0.333	25.04	0.319	24.88	0.308
Channel				371000	371000	376500	376500	382000	382000
Frequency (MHz)				1855.00	1855.00	1882.50	1882.50	1910.00	1910.00
10	DFT-s-OFDM QPSK	1	1	25.13	0.326	24.94	0.312	24.86	0.306
Channel				370500	370500	376500	376500	382500	382500
Frequency (MHz)				1852.50	1852.50	1882.50	1882.50	1912.50	1912.50
5	DFT-s-OFDM QPSK	1	1	25.14	0.327	24.99	0.316	24.95	0.313

n26(814-824MHz) (PC3)									
BW [M Hz]	Modulation	R B Size	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				/	/	163800	163800		
Frequency (MHz)				/	/	819.00	819.00		
10	DFT-s-OFDM PI/2 BPSK	1	1	/	/	14.81	0.03	/	/
10		1	26	/	/	14.93	0.03	/	/
10		1	50	/	/	15.03	0.03	/	/
10		25	1	/	/	14.93	0.03	/	/
10		25	12	/	/	14.96	0.03	/	/
10		25	25	/	/	15.04	0.03	/	/
10		50	0	/	/	14.99	0.03	/	/
10		50	0	/	/	14.99	0.03	/	/
10	DFT-s-OFDM QPSK	1	1	/	/	15.53	0.04	/	/
10		1	26	/	/	14.94	0.03	/	/
10		1	50	/	/	15.02	0.03	/	/
10		25	1	/	/	15.42	0.03	/	/
10		25	12	/	/	14.97	0.03	/	/
10		25	25	/	/	15.03	0.03	/	/
10		50	0	/	/	15.37	0.03	/	/
10		50	0	/	/	15.37	0.03	/	/
10	DFT-s-OFDM 16QAM	1	1	/	/	14.77	0.03	/	/
10	DFT-s-OFDM 64QAM	1	1	/	/	13.31	0.02	/	/
10	DFT-s-OFDM 256QAM	1	1	/	/	11.08	0.013	/	/
10	CP-OFDM QPSK	1	1	/	/	14.21	0.026	/	/
10	CP-OFDM 16QAM	1	1	/	/	13.71	0.023	/	/
10	CP-OFDM	1	1	/	/	12.04	0.016	/	/



	64QAM								
10	CP-OFDM 256QAM	1	1	/	/	9.20	0.008	/	/
Channel				163300	163300	163800	163800	164300	164300
Frequency (MHz)				816.50	816.50	819.00	819.00	821.50	821.50
5	DFT-s-OFDM QPSK	1	1	14.79	0.030	14.83	0.030	14.91	0.031

n26(824-849MHz) (PC3)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				166800	166800	167300	167300	167800	167800
Frequency (MHz)				834.00	834.00	836.50	836.50	839.00	839.00
20	DFT-s-OFDM PI/2 BPSK	1	1	14.99	0.032	15.02	0.032	14.99	0.032
20		1	53	15.00	0.032	14.89	0.031	14.83	0.030
20		1	104	14.86	0.031	14.80	0.030	15.09	0.032
20		50	1	15.05	0.032	15.07	0.032	15.07	0.032
20		50	25	15.09	0.032	15.01	0.032	14.95	0.031
20		50	50	14.95	0.031	14.84	0.030	14.96	0.031
20		10 0	0	15.08	0.032	15.00	0.032	15.01	0.032
20	DFT-s-OFDM QPSK	1	1	15.50	0.035	15.55	0.036	15.47	0.035
20		1	53	15.04	0.032	14.88	0.031	14.84	0.030
20		1	104	14.91	0.031	14.78	0.030	15.06	0.032
20		50	1	15.10	0.032	15.02	0.032	15.10	0.032
20		50	25	15.08	0.032	15.00	0.032	15.00	0.032
20		50	50	14.95	0.031	14.90	0.031	14.91	0.031
20		10 0	0	15.08	0.032	15.00	0.032	15.05	0.032
20	DFT-s-OFDM 16QAM	1	1	14.93	0.031	14.94	0.031	14.94	0.031
20	DFT-s-OFDM 64QAM	1	1	13.45	0.022	13.45	0.022	13.43	0.022
20	DFT-s-OFDM 256QAM	1	1	11.30	0.013	11.37	0.014	11.37	0.014
20	CP-OFDM QPSK	1	1	14.44	0.028	14.46	0.028	14.45	0.028
20	CP-OFDM 16QAM	1	1	13.92	0.025	13.92	0.025	13.92	0.025
20	CP-OFDM 64QAM	1	1	12.21	0.017	12.25	0.017	12.23	0.017
20	CP-OFDM 256QAM	1	1	9.51	0.009	9.51	0.009	9.42	0.009
Channel				166300	166300	167300	167300	168300	168300



Frequency (MHz)				831.50	831.50	836.50	836.50	841.50	841.50
15	DFT-s-OFDM QPSK	1	1	15.02	0.032	14.95	0.031	14.95	0.031
Channel				165800	165800	167300	167300	168800	168800
Frequency (MHz)				829.00	829.00	836.50	836.50	844.00	844.00
10	DFT-s-OFDM QPSK	1	1	15.07	0.032	14.89	0.031	14.88	0.031
Channel				165300	165300	167300	167300	169300	169300
Frequency (MHz)				826.50	826.50	836.50	836.50	846.50	846.50
5	DFT-s-OFDM QPSK	1	1	15.05	0.032	14.90	0.031	14.77	0.030

n41(PC2)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				509202	509202	518598	518598	528000	528000
Frequency (MHz)				2546.01	2546.01	2592.99	2592.99	2640.00	2640.00
100	DFT-s-OFDM PI/2 BPSK	1	1	27.27	0.533	27.37	0.546	27.35	0.543
100		1	136	27.37	0.546	27.43	0.553	27.17	0.521
100		1	271	27.47	0.558	27.28	0.535	26.61	0.458
100		135	1	26.91	0.491	26.88	0.488	26.82	0.481
100		135	67	27.47	0.558	27.44	0.555	27.25	0.531
100		135	136	26.91	0.491	26.80	0.479	26.34	0.431
100		270	0	26.87	0.486	26.97	0.498	26.75	0.473
100	DFT-s-OFDM QPSK	1	1	27.69	0.587	27.80	0.603	27.78	0.600
100		1	136	27.38	0.547	27.34	0.542	27.19	0.524
100		1	271	27.68	0.586	27.22	0.527	26.61	0.458
100		135	1	26.38	0.435	26.39	0.436	26.34	0.431
100		135	67	27.46	0.557	27.44	0.555	27.27	0.533
100		135	136	26.40	0.437	26.35	0.432	25.84	0.384
100		270	0	26.36	0.433	26.44	0.441	26.28	0.425



100	DFT-s-OFDM 16QAM	1	1	26.22	0.419	26.34	0.431	26.22	0.419
100	DFT-s-OFDM 64QAM	1	1	24.80	0.302	24.92	0.310	24.85	0.305
100	DFT-s-OFDM 256QAM	1	1	22.61	0.182	22.65	0.184	22.61	0.182
100	CP-OFDM QPSK	1	1	25.81	0.381	25.89	0.388	25.85	0.385
100	CP-OFDM 16QAM	1	1	25.32	0.340	25.43	0.349	25.35	0.343
100	CP-OFDM 64QAM	1	1	23.40	0.219	23.45	0.221	23.47	0.222
100	CP-OFDM 256QAM	1	1	20.70	0.117	20.64	0.116	20.68	0.117
Channel				508200	508200	518598	518598	528996	528996
Frequency (MHz)				2541.00	2541.00	2592.99	2592.99	2644.98	2644.98
90	DFT-s-OFDM QPSK	1	1	27.31	0.538	27.31	0.538	27.33	0.541
Channel				507204	507204	518598	518598	529998	529998
Frequency (MHz)				2536.02	2536.02	2592.99	2592.99	2649.99	2649.99
80	DFT-s-OFDM QPSK	1	1	27.35	0.543	27.41	0.551	27.35	0.543
Channel				506202	506202	518598	518598	531000	531000
Frequency (MHz)				2531.01	2531.01	2592.99	2592.99	2655.00	2655.00
70	DFT-s-OFDM QPSK	1	1	27.37	0.546	27.47	0.558	27.41	0.551
Channel				505200	505200	518598	518598	531996	531996
Frequency (MHz)				2526.00	2526.00	2592.99	2592.99	2659.98	2659.98
60	DFT-s-OFDM QPSK	1	1	27.42	0.552	27.44	0.555	27.37	0.546
Channel				504204	504204	518598	518598	532998	532998
Frequency (MHz)				2521.02	2521.02	2592.99	2592.99	2664.99	2664.99
50	DFT-s-OFDM QPSK	1	1	27.49	0.561	27.56	0.570	27.38	0.547
Channel				503202	503202	518598	518598	534000	534000
Frequency (MHz)				2516.01	2516.01	2592.99	2592.99	2670.00	2670.00
40	DFT-s-OFDM QPSK	1	1	27.62	0.578	27.48	0.560	27.33	0.541
Channel				502200	502200	518598	518598	534996	534996
Frequency (MHz)				2511.00	2511.00	2592.99	2592.99	2674.98	2674.98
30	DFT-s-OFDM QPSK	1	1	27.56	0.570	27.61	0.577	27.09	0.512
Channel				501204	501204	518598	518598	535998	535998
Frequency (MHz)				2506.02	2506.02	2592.99	2592.99	2679.99	2679.99
20	DFT-s-OFDM QPSK	1	1	27.54	0.568	27.67	0.585	27.03	0.505



n48									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				638000	638000	641666	641666	645332	645332
Frequency (MHz)				3570.00	3570.00	3624.99	3624.99	3679.98	3679.98
40	DFT-s-OFDM PI/2 BPSK	1	1	24.66	0.292	23.55	0.226	25.22	0.333
40		1	53	25.43	0.349	22.56	0.180	25.94	0.393
40		1	104	24.32	0.270	24.15	0.260	25.99	0.397
40		50	1	24.15	0.260	22.55	0.180	25.10	0.324
40		50	25	24.57	0.286	22.98	0.199	25.92	0.391
40		50	50	23.88	0.244	22.72	0.187	25.17	0.329
40		100	0	23.99	0.251	22.57	0.181	25.43	0.349
40	DFT-s-OFDM QPSK	1	1	26.29	0.426	26.47	0.444	26.41	0.438
40		1	53	24.57	0.286	22.57	0.181	25.96	0.394
40		1	104	25.32	0.340	24.15	0.260	26.44	0.441
40		50	1	25.46	0.352	25.57	0.361	25.41	0.348
40		50	25	24.61	0.289	24.85	0.305	25.32	0.340
40		50	50	24.30	0.269	25.19	0.330	25.24	0.334
40		100	0	25.29	0.338	25.09	0.323	24.93	0.311
40	DFT-s-OFDM 16QAM	1	1	23.55	0.226	23.40	0.219	24.10	0.257
40	DFT-s-OFDM 64QAM	1	1	22.14	0.164	22.00	0.158	22.07	0.161
40	DFT-s-OFDM 256QAM	1	1	19.99	0.100	18.88	0.077	20.50	0.112
40	CP-OFDM QPSK	1	1	23.18	0.208	22.04	0.160	23.71	0.235
40	CP-OFDM 16QAM	1	1	22.63	0.183	21.60	0.145	23.28	0.213
40	CP-OFDM 64QAM	1	1	20.76	0.119	19.62	0.092	21.31	0.135
40	CP-OFDM 256QAM	1	1	17.99	0.063	16.79	0.048	18.49	0.071
Channel				637334	637334	641666	641666	646000	646000



Frequency (MHz)				3560.01	3560.01	3624.99	3624.99	3690.00	3690.00
20	DFT-s-OFDM QPSK	1	1	24.49	0.281	22.88	0.194	26.03	0.401

n66									
BW [M Hz]	Modulation	R B Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				344000	344000	349000	349000	354000	354000
Frequency (MHz)				1720.00	1720.00	1745.00	1745.00	1770.00	1770.00
20	DFT-s-OFDM PI/2 BPSK	1	1	25.49	0.354	25.33	0.341	25.25	0.335
20		1	53	25.41	0.348	25.28	0.337	25.19	0.330
20		1	104	25.31	0.340	25.34	0.342	25.21	0.332
20		50	1	25.56	0.360	25.39	0.346	25.34	0.342
20		50	25	25.55	0.359	25.34	0.342	25.29	0.338
20		50	50	25.47	0.352	25.35	0.343	25.28	0.337
20		100	0	25.51	0.356	25.36	0.344	25.33	0.341
20	DFT-s-OFDM QPSK	1	1	25.56	0.360	25.58	0.361	25.54	0.358
20		1	53	25.49	0.354	25.27	0.337	25.17	0.329
20		1	104	25.34	0.342	25.32	0.340	25.20	0.331
20		50	1	25.48	0.353	25.52	0.356	25.47	0.352
20		50	25	25.46	0.352	25.42	0.348	25.27	0.337
20		50	50	25.44	0.350	25.36	0.344	25.24	0.334
20		100	0	25.50	0.355	25.42	0.348	25.24	0.334
20	DFT-s-OFDM 16QAM	1	1	25.49	0.354	25.44	0.350	25.34	0.342
20	DFT-s-OFDM 64QAM	1	1	24.14	0.259	23.92	0.247	23.85	0.243
20	DFT-s-OFDM 256QAM	1	1	21.77	0.150	21.58	0.144	21.49	0.141
20	CP-OFDM QPSK	1	1	25.15	0.327	24.97	0.314	24.87	0.307
20	CP-OFDM 16QAM	1	1	24.69	0.294	24.38	0.274	24.35	0.272
20	CP-OFDM 64QAM	1	1	23.24	0.211	23.03	0.201	22.96	0.198



20	CP-OFDM 256QAM	1	1	19.77	0.095	19.60	0.091	19.47	0.089
Channel				343500	343500	349000	349000	354500	354500
Frequency (MHz)				1717.50	1717.50	1745.00	1745.00	1772.50	1772.50
15	DFT-s-OFDM QPSK	1	1	25.64	0.366	25.52	0.356	25.44	0.350
Channel				343000	343000	349000	349000	355000	355000
Frequency (MHz)				1715.00	1715.00	1745.00	1745.00	1775.00	1775.00
10	DFT-s-OFDM QPSK	1	1	25.46	0.352	25.33	0.341	25.25	0.335
Channel				342500	342500	349000	349000	355500	355500
Frequency (MHz)				1712.50	1712.50	1745.00	1745.00	1777.50	1777.50
5	DFT-s-OFDM QPSK	1	1	25.51	0.356	25.37	0.344	25.41	0.348

n71									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				134600	134600	136100	136100	137600	137600
Frequency (MHz)				673.00	673.00	680.50	680.50	688.00	688.00
20	DFT-s-OFDM PI/2 BPSK	1	1	14.72	0.030	14.84	0.030	14.42	0.028
20		1	53	14.76	0.030	14.81	0.030	14.69	0.029
20		1	104	14.80	0.030	14.77	0.030	14.73	0.030
20		50	1	14.32	0.027	14.25	0.027	14.32	0.027
20		50	25	14.81	0.030	14.88	0.031	14.74	0.030
20		50	50	14.39	0.027	14.22	0.026	14.31	0.027
20		100	0	14.32	0.027	14.33	0.027	14.23	0.026
20	DFT-s-OFDM QPSK	1	1	14.77	0.030	14.89	0.031	14.90	0.031
20		1	53	14.84	0.030	14.80	0.030	14.76	0.030
20		1	104	14.77	0.030	14.70	0.030	14.75	0.030
20		50	1	13.74	0.024	13.83	0.024	13.78	0.024
20		50	25	14.89	0.031	14.85	0.031	14.75	0.030
20		50	50	13.85	0.024	13.81	0.024	13.74	0.024
20		100	0	13.80	0.024	13.84	0.024	13.82	0.024
20	DFT-s-OFDM 16QAM	1	1	13.81	0.024	13.87	0.024	13.87	0.024
20	DFT-s-OFDM 64QAM	1	1	12.43	0.017	12.63	0.018	12.60	0.018



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20	DFT-s-OFDM 256QAM	1	1	9.19	0.008	9.27	0.008	9.43	0.009
20	CP-OFDM QPSK	1	1	13.27	0.021	13.35	0.022	13.37	0.022
20	CP-OFDM 16QAM	1	1	12.79	0.019	12.76	0.019	12.86	0.019
20	CP-OFDM 64QAM	1	1	11.30	0.013	11.43	0.014	11.43	0.014
20	CP-OFDM 256QAM	1	1	7.39	0.005	7.53	0.006	7.56	0.006
Channel				134100	134100	136100	136100	138100	138100
Frequency (MHz)				670.50	670.50	680.50	680.50	690.50	690.50
15	DFT-s-OFDM QPSK	1	1	14.77	0.030	14.85	0.031	14.83	0.030
Channel				133600	133600	136100	136100	138600	138600
Frequency (MHz)				668.00	668.00	680.50	680.50	693.00	693.00
10	DFT-s-OFDM QPSK	1	1	14.75	0.030	14.72	0.030	14.75	0.030
Channel				133100	133100	136100	136100	139100	139100
Frequency (MHz)				665.50	665.50	680.50	680.50	695.50	695.50
5	DFT-s-OFDM QPSK	1	1	14.78	0.030	14.57	0.029	14.74	0.030

n77(3450-3550MHz)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel/ Watt	High Channel/d Bm	High Channel/ Watt
Channel				/	/	633334	633334	/	/
Frequency (MHz)				/	/	3500.01	3500.01	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	28.19	0.659	/	/
100		1	136	/	/	27.54	0.568	/	/
100		1	271	/	/	27.32	0.540	/	/
100		135	1	/	/	27.59	0.574	/	/
100		135	67	/	/	27.88	0.614	/	/
100		135	136	/	/	26.86	0.485	/	/
100		270	0	/	/	27.32	0.540	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	28.30	0.676	/	/
100		1	136	/	/	27.82	0.605	/	/
100		1	271	/	/	27.26	0.532	/	/
100		135	1	/	/	27.88	0.614	/	/
100		135	67	/	/	27.86	0.611	/	/



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100		135	136	/	/	27.33	0.541	/	/
100		270	0	/	/	27.79	0.601	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	27.20	0.525	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	25.84	0.384	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	23.65	0.232	/	/
100	CP-OFDM QPSK	1	1	/	/	26.79	0.478	/	/
100	CP-OFDM 16QAM	1	1	/	/	26.28	0.425	/	/
100	CP-OFDM 64QAM	1	1	/	/	24.40	0.275	/	/
100	CP-OFDM 256QAM	1	1	/	/	21.66	0.147	/	/
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510.00	3510.00
80	DFT-s-OFDM QPSK	1	1	28.20	0.661	28.19	0.659	27.96	0.625
Channel				632000	632000	633334	633334	634666	634666



Frequency (MHz)				3480.00	3480.00	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	27.40	0.550	27.99	0.630	27.91	0.618
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-OFDM QPSK	1	1	28.26	0.670	28.23	0.665	28.06	0.640
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465.00	3465.00	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	28.21	0.662	28.17	0.656	27.82	0.605
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540.00	3540.00
20	DFT-s-OFDM QPSK	1	1	28.18	0.658	28.12	0.649	27.56	0.570
n77(3700-3980MHz)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				650000	650000	656000	656000	662000	662000
Frequency (MHz)				3750.00	3750.00	3840.00	3840.00	3930.00	3930.00
100	DFT-s-OFDM PI/2 BPSK	1	1	27.45	0.556	29.17	0.826	28.12	0.649
100		1	136	29.14	0.820	29.05	0.804	29.02	0.798
100		1	271	28.94	0.783	28.05	0.638	27.82	0.605
100		135	1	28.39	0.690	28.67	0.736	28.13	0.650
100		135	67	29.24	0.839	29.07	0.807	27.08	0.511
100		135	136	28.39	0.690	27.75	0.596	26.46	0.443
100		270	0	28.38	0.689	28.54	0.714	28.05	0.638



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0									
10	DFT-s-OFDM QPSK	1	1	29.89	0.975	30.04	1.009	29.99	0.998
0		1	136	29.50	0.891	29.08	0.809	26.89	0.489
10		1	271	28.95	0.785	28.07	0.641	26.78	0.476
0		135	1	28.91	0.778	29.24	0.839	29.16	0.824
10		135	67	28.62	0.728	29.03	0.800	27.06	0.508
0		135	136	27.91	0.618	27.25	0.531	26.59	0.456
10		270	0	28.81	0.760	28.06	0.640	26.71	0.469
0	DFT-s-OFDM 16QAM	1	1	28.30	0.676	27.80	0.603	27.03	0.505
10	DFT-s-OFDM 64QAM	1	1	28.17	0.656	26.71	0.469	25.72	0.373
0	DFT-s-OFDM 256QAM	1	1	22.74	0.188	24.52	0.283	23.42	0.220
10	CP-OFDM QPSK	1	1	25.94	0.393	27.69	0.587	26.62	0.459
0	CP-OFDM 16QAM	1	1	25.44	0.350	27.26	0.532	26.14	0.411
10	CP-OFDM 64QAM	1	1	23.54	0.226	25.26	0.336	24.22	0.264
0	CP-OFDM 256QAM	1	1	21.76	0.150	22.43	0.175	21.45	0.140
Channel				649334	649334	656000	656000	662666	662666
Frequency (MHz)				3740.01	3740.01	3840.00	3840.00	3939.99	3939.99
80	DFT-s-OFDM QPSK	1	1	27.42	0.552	29.28	0.847	27.59	0.574
Channel				648668	648668	656000	656000	663332	663332
Frequency (MHz)				3730.02	3730.02	3840.00	3840.00	3949.98	3949.98
60	DFT-s-OFDM QPSK	1	1	27.46	0.557	29.23	0.838	26.94	0.494
Channel				648000	648000	656000	656000	664000	664000
Frequency (MHz)				3720.00	3720.00	3840.00	3840.00	3960.00	3960.00
40	DFT-s-OFDM	1	1	27.87	0.612	29.44	0.879	26.31	0.428



	QPSK								
Channel				647668	647668	656000	656000	664332	664332
Frequency (MHz)				3715.02	3715.02	3840.00	3840.00	3964.98	3964.98
30	DFT-s-OFDM QPSK	1	1	27.79	0.601	29.32	0.855	26.35	0.432
Channel				647334	647334	656000	656000	664666	664666
Frequency (MHz)				3710.01	3710.01	3840.00	3840.00	3969.99	3969.99
20	DFT-s-OFDM QPSK	1	1	27.71	0.590	29.36	0.863	26.73	0.471

n78(3450-3550MHz)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				/	/	633334	633334	/	/
Frequency (MHz)				/	/	3500.01	3500.01	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	27.82	0.605	/	/
100		1	136	/	/	26.67	0.465	/	/
100		1	271	/	/	25.98	0.396	/	/
100		135	1	/	/	26.68	0.466	/	/
100		135	67	/	/	26.88	0.488	/	/
100		135	136	/	/	25.57	0.361	/	/
100		270	0	/	/	26.28	0.425	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	27.85	0.610	/	/
100		1	136	/	/	26.72	0.470	/	/
100		1	271	/	/	25.95	0.394	/	/
100		135	1	/	/	26.86	0.485	/	/
100		135	67	/	/	26.71	0.469	/	/
100		135	136	/	/	26.11	0.408	/	/
100		270	0	/	/	26.76	0.474	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	26.65	0.462	/	/



100	DFT-s-OFDM 64QAM	1	1	/	/	25.33	0.341	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	23.20	0.209	/	/
100	CP-OFDM QPSK	1	1	/	/	26.12	0.409	/	/
100	CP-OFDM 16QAM	1	1	/	/	25.66	0.368	/	/
100	CP-OFDM 64QAM	1	1	/	/	24.02	0.252	/	/
100	CP-OFDM 256QAM	1	1	/	/	21.13	0.130	/	/
Channel				633000	633000	633334	633334	633666	633666
Frequency (MHz)				3495.00	3495.00	3500.01	3500.01	3504.99	3504.99
90	DFT-s-OFDM QPSK	1	1	27.81	0.604	27.64	0.581	27.49	0.561
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510.00	3510.00
80	DFT-s-OFDM QPSK	1	1	27.81	0.604	27.58	0.573	27.21	0.526
Channel				632334	632334	633334	633334	634332	634332
Frequency (MHz)				3485.01	3485.01	3500.01	3500.01	3514.98	3514.98
70	DFT-s-OFDM QPSK	1	1	27.82	0.605	27.46	0.557	26.98	0.499
Channel				632000	632000	633334	633334	634666	634666
Frequency (MHz)				3480.00	3480.00	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	27.77	0.598	27.31	0.538	26.95	0.495
Channel				631668	631668	633334	633334	635000	635000
Frequency (MHz)				3475.02	3475.02	3500.01	3500.01	3525.00	3525.00
50	DFT-s-OFDM QPSK	1	1	27.76	0.597	27.09	0.512	26.82	0.481
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-	1	1	27.82	0.605	27.26	0.532	26.87	0.486



	OFDM QPSK								
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465.00	3465.00	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	27.79	0.601	27.15	0.519	26.46	0.443
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540.00	3540.00
20	DFT-s-OFDM QPSK	1	1	27.73	0.593	27.13	0.516	26.23	0.420

n78(3700-3800MHz)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				/	/	650000	650000	/	/
Frequency (MHz)				/	/	3750.00	3750.00	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	26.34	0.431	/	/
100		1	136	/	/	27.54	0.568	/	/
100		1	271	/	/	27.43	0.553	/	/
100		135	1	/	/	26.93	0.493	/	/
100		135	67	/	/	27.51	0.564	/	/
100		135	136	/	/	26.71	0.469	/	/
100		270	0	/	/	26.83	0.482	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	27.56	0.570	/	/
100		1	136	/	/	26.72	0.470	/	/
100		1	271	/	/	26.92	0.492	/	/
100		135	1	/	/	27.44	0.555	/	/
100		135	67	/	/	27.32	0.540	/	/
100		135	136	/	/	27.20	0.525	/	/
100		270	0	/	/	27.24	0.530	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	25.21	0.332	/	/
100	DFT-s-	1	1	/	/	23.90	0.245	/	/



	OFDM 64QAM								
100	DFT-s- OFDM 256QA M	1	1	/	/	21.61	0.145	/	/
100	CP- OFDM QPSK	1	1	/	/	24.81	0.303	/	/
100	CP- OFDM 16QAM	1	1	/	/	24.45	0.279	/	/
100	CP- OFDM 64QAM	1	1	/	/	22.52	0.179	/	/
100	CP- OFDM 256QA M	1	1	/	/	19.64	0.092	/	/
Channel				649668	649668	650000	650000	650332	650332
Frequency (MHz)				3745.02	3745.02	3750.00	3750.00	3754.98	3754.98
90	DFT-s- OFDM QPSK	1	1	26.30	0.427	26.48	0.445	26.75	0.473
Channel				649334	649334	650000	650000	650666	650666
Frequency (MHz)				3740.01	3740.01	3750.00	3750.00	3759.99	3759.99
80	DFT-s- OFDM QPSK	1	1	26.35	0.432	26.78	0.476	27.26	0.532
Channel				649000	649000	650000	650000	651000	651000
Frequency (MHz)				3735.00	3735.00	3750.00	3750.00	3765.00	3765.00
70	DFT-s- OFDM QPSK	1	1	26.36	0.433	27.01	0.502	27.51	0.564
Channel				648668	648668	650000	650000	651332	651332
Frequency (MHz)				3730.02	3730.02	3750.00	3750.00	3769.98	3769.98
60	DFT-s- OFDM QPSK	1	1	26.25	0.422	27.26	0.532	27.41	0.551
Channel				648334	648334	650000	650000	651666	651666
Frequency (MHz)				3725.01	3725.01	3750.00	3750.00	3774.99	3774.99
50	DFT-s- OFDM QPSK	1	1	26.42	0.439	27.50	0.562	27.51	0.564
Channel				648000	648000	650000	650000	652000	652000
Frequency (MHz)				3720.00	3720.00	3750.00	3750.00	3780.00	3780.00
40	DFT-s- OFDM	1	1	26.63	0.460	27.46	0.557	27.72	0.592



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	QPSK								
Channel				647668	647668	650000	650000	652332	652332
Frequency (MHz)				3715.02	3715.02	3750.00	3750.00	3784.98	3784.98
30	DFT-s-OFDM QPSK	1	1	26.51	0.448	27.50	0.562	27.34	0.542
Channel				647334	647334	650000	650000	652666	652666
Frequency (MHz)				3710.01	3710.01	3750.00	3750.00	3789.99	3789.99
20	DFT-s-OFDM QPSK	1	1	26.49	0.446	27.49	0.561	27.37	0.546



Band	SCS (kHz)	BW (MHz)	ARFCN	Modulation	RB	OBW (MHz)	26dB BW (MHz)	Verdict
n2	15	5	370500	DFT-s-OFDM PI/2 BPSK	25/0	4.477	4.990	PASS
n2	15	5	370500	DFT-s-OFDM QPSK	25/0	4.493	5.142	PASS
n2	15	5	370500	DFT-s-OFDM 16QAM	25/0	4.484	4.994	PASS
n2	15	5	370500	DFT-s-OFDM 64QAM	25/0	4.478	5.012	PASS
n2	15	5	370500	DFT-s-OFDM 256QAM	25/0	4.479	5.065	PASS
n2	15	5	370500	CP-OFDM QPSK	25/0	4.475	5.093	PASS
n2	15	5	376000	DFT-s-OFDM PI/2 BPSK	25/0	4.481	4.954	PASS
n2	15	5	376000	DFT-s-OFDM QPSK	25/0	4.485	4.945	PASS
n2	15	5	376000	DFT-s-OFDM 16QAM	25/0	4.490	5.035	PASS
n2	15	5	376000	DFT-s-OFDM 64QAM	25/0	4.476	4.879	PASS
n2	15	5	376000	DFT-s-OFDM 256QAM	25/0	4.484	5.022	PASS
n2	15	5	376000	CP-OFDM QPSK	25/0	4.473	5.084	PASS
n2	15	5	381500	DFT-s-OFDM PI/2 BPSK	25/0	4.481	5.079	PASS
n2	15	5	381500	DFT-s-OFDM QPSK	25/0	4.484	5.025	PASS
n2	15	5	381500	DFT-s-OFDM 16QAM	25/0	4.487	4.979	PASS
n2	15	5	381500	DFT-s-OFDM 64QAM	25/0	4.470	4.964	PASS



n2	15	5	381500	DFT-s-OFDM 256QAM	25/0	4.469	4.991	PASS
n2	15	5	381500	CP-OFDM QPSK	25/0	4.474	5.061	PASS
n2	15	10	371000	DFT-s-OFDM PI/2 BPSK	50/0	8.910	9.583	PASS
n2	15	10	371000	DFT-s-OFDM QPSK	50/0	8.921	9.671	PASS
n2	15	10	371000	DFT-s-OFDM 16QAM	50/0	8.950	9.612	PASS
n2	15	10	371000	DFT-s-OFDM 64QAM	50/0	8.916	9.575	PASS
n2	15	10	371000	DFT-s-OFDM 256QAM	50/0	8.928	9.566	PASS
n2	15	10	371000	CP-OFDM QPSK	52/0	9.286	10.188	PASS
n2	15	10	376000	DFT-s-OFDM PI/2 BPSK	50/0	8.910	9.613	PASS
n2	15	10	376000	DFT-s-OFDM QPSK	50/0	8.929	9.704	PASS
n2	15	10	376000	DFT-s-OFDM 16QAM	50/0	8.942	9.661	PASS
n2	15	10	376000	DFT-s-OFDM 64QAM	50/0	8.924	9.668	PASS
n2	15	10	376000	DFT-s-OFDM 256QAM	50/0	8.923	9.595	PASS
n2	15	10	376000	CP-OFDM QPSK	52/0	9.287	10.029	PASS
n2	15	10	381000	DFT-s-OFDM PI/2 BPSK	50/0	8.914	9.666	PASS
n2	15	10	381000	DFT-s-OFDM QPSK	50/0	8.912	9.707	PASS
n2	15	10	381000	DFT-s-OFDM 16QAM	50/0	8.918	9.576	PASS



n2	15	10	381000	DFT-s-OFDM 64QAM	50/0	8.919	9.663	PASS
n2	15	10	381000	DFT-s-OFDM 256QAM	50/0	8.917	9.612	PASS
n2	15	10	381000	CP-OFDM QPSK	52/0	9.279	10.082	PASS
n2	15	15	371500	DFT-s-OFDM PI/2 BPSK	75/0	13.400	14.189	PASS
n2	15	15	371500	DFT-s-OFDM QPSK	75/0	13.406	14.289	PASS
n2	15	15	371500	DFT-s-OFDM 16QAM	75/0	13.417	14.212	PASS
n2	15	15	371500	DFT-s-OFDM 64QAM	75/0	13.389	14.176	PASS
n2	15	15	371500	DFT-s-OFDM 256QAM	75/0	13.430	14.332	PASS
n2	15	15	371500	CP-OFDM QPSK	79/0	14.085	16.381	PASS
n2	15	15	376000	DFT-s-OFDM PI/2 BPSK	75/0	13.414	14.296	PASS
n2	15	15	376000	DFT-s-OFDM QPSK	75/0	13.409	14.338	PASS
n2	15	15	376000	DFT-s-OFDM 16QAM	75/0	13.416	14.226	PASS
n2	15	15	376000	DFT-s-OFDM 64QAM	75/0	13.382	14.330	PASS
n2	15	15	376000	DFT-s-OFDM 256QAM	75/0	13.413	14.122	PASS
n2	15	15	376000	CP-OFDM QPSK	79/0	14.099	16.191	PASS
n2	15	15	380500	DFT-s-OFDM PI/2 BPSK	75/0	13.411	14.223	PASS
n2	15	15	380500	DFT-s-OFDM QPSK	75/0	13.434	14.371	PASS



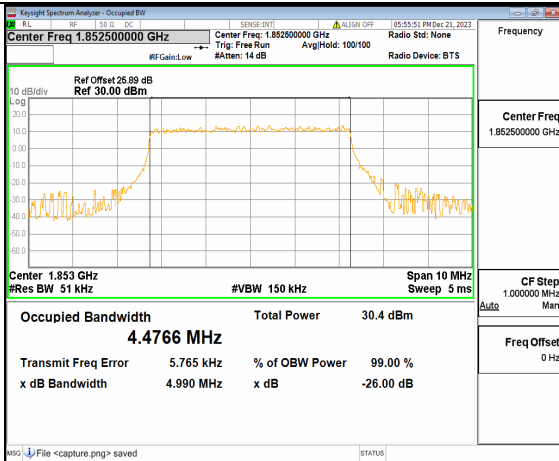
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n2	15	15	380500	DFT-s-OFDM 16QAM	75/0	13.429	14.239	PASS
n2	15	15	380500	DFT-s-OFDM 64QAM	75/0	13.392	14.203	PASS
n2	15	15	380500	DFT-s-OFDM 256QAM	75/0	13.431	14.356	PASS
n2	15	15	380500	CP-OFDM QPSK	79/0	14.103	16.370	PASS
n2	15	20	372000	DFT-s-OFDM PI/2 BPSK	100/0	17.859	18.925	PASS
n2	15	20	372000	DFT-s-OFDM QPSK	100/0	17.858	18.845	PASS
n2	15	20	372000	DFT-s-OFDM 16QAM	100/0	17.868	18.912	PASS
n2	15	20	372000	DFT-s-OFDM 64QAM	100/0	17.887	19.112	PASS
n2	15	20	372000	DFT-s-OFDM 256QAM	100/0	17.840	18.763	PASS
n2	15	20	372000	CP-OFDM QPSK	106/0	18.911	19.991	PASS
n2	15	20	376000	DFT-s-OFDM PI/2 BPSK	100/0	17.857	18.842	PASS
n2	15	20	376000	DFT-s-OFDM QPSK	100/0	17.855	18.884	PASS
n2	15	20	376000	DFT-s-OFDM 16QAM	100/0	17.857	19.026	PASS
n2	15	20	376000	DFT-s-OFDM 64QAM	100/0	17.873	18.792	PASS
n2	15	20	376000	DFT-s-OFDM 256QAM	100/0	17.835	18.805	PASS
n2	15	20	376000	CP-OFDM QPSK	106/0	18.879	19.989	PASS
n2	15	20	380000	DFT-s-OFDM PI/2 BPSK	100/0	17.906	19.033	PASS

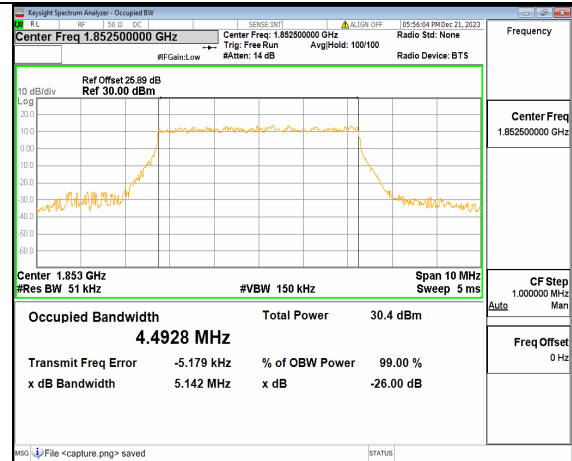


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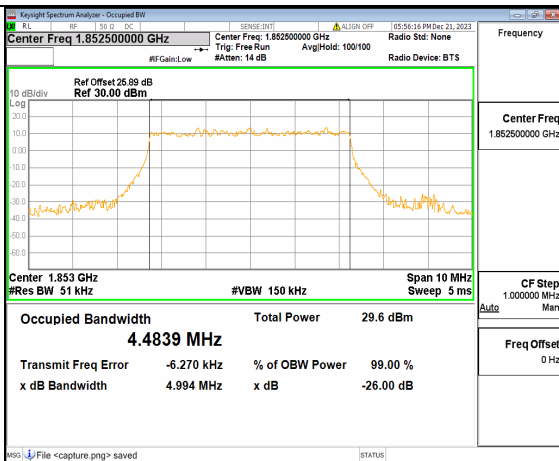
n2	15	20	380000	DFT-s-OFDM QPSK	100/0	17.896	19.074	PASS
n2	15	20	380000	DFT-s-OFDM 16QAM	100/0	17.910	19.030	PASS
n2	15	20	380000	DFT-s-OFDM 64QAM	100/0	17.911	18.817	PASS
n2	15	20	380000	DFT-s-OFDM 256QAM	100/0	17.870	18.749	PASS
n2	15	20	380000	CP-OFDM QPSK	106/0	18.926	19.941	PASS



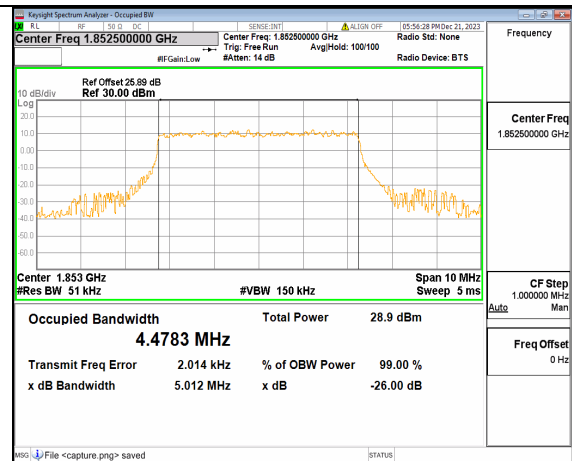
n2 5M DFT-s-OFDM BPSK Outer_Full Low



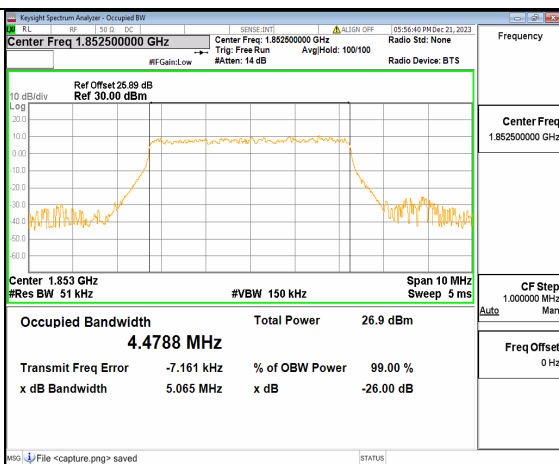
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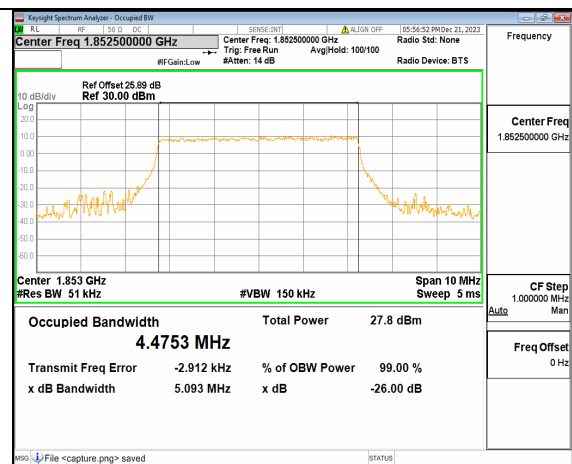
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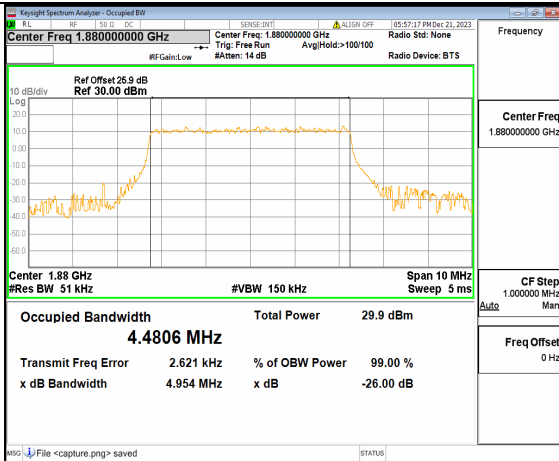
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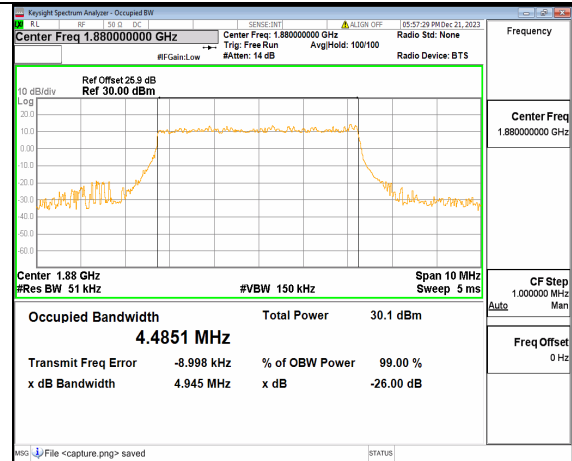
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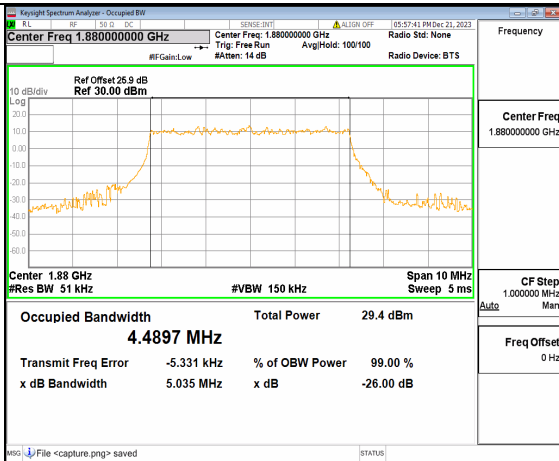
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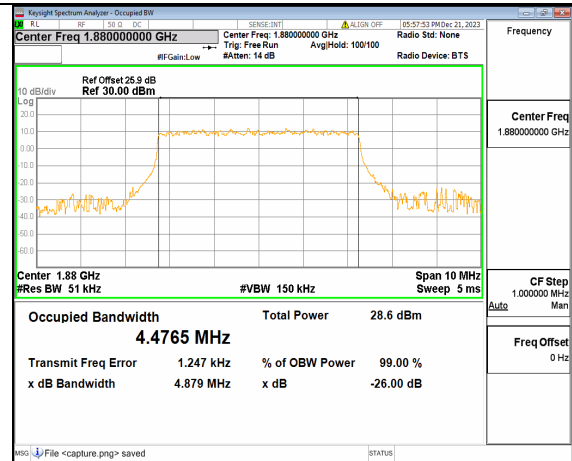
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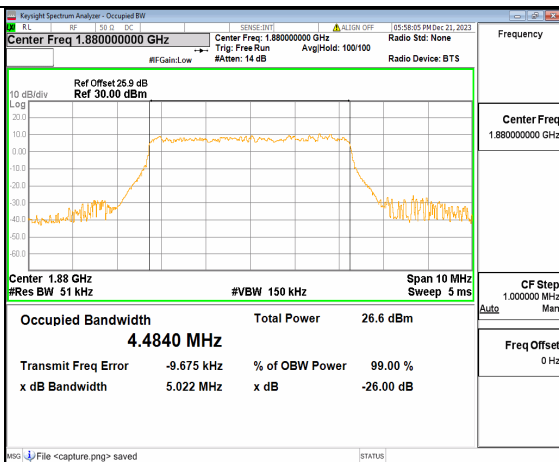
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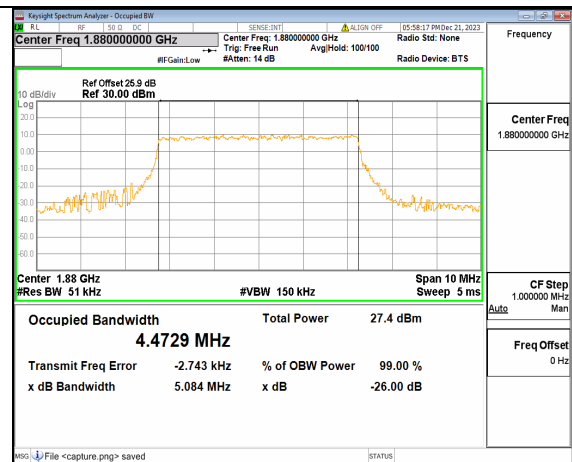
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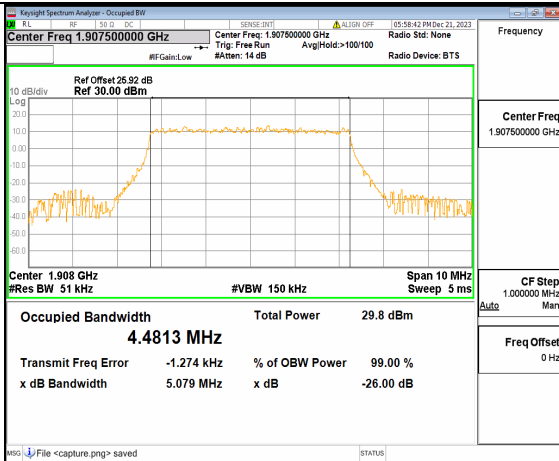
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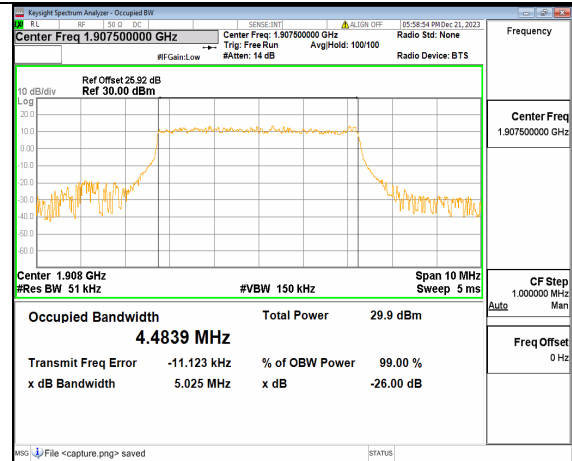
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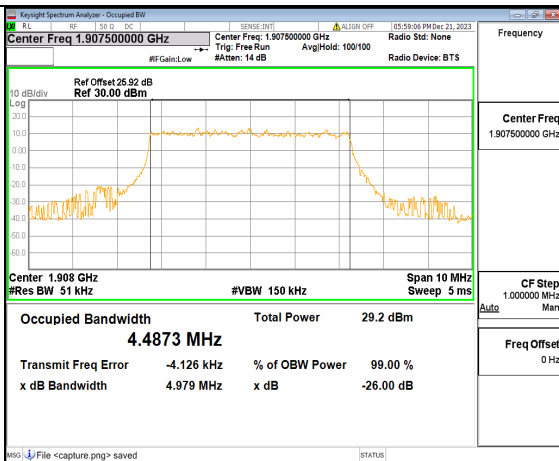
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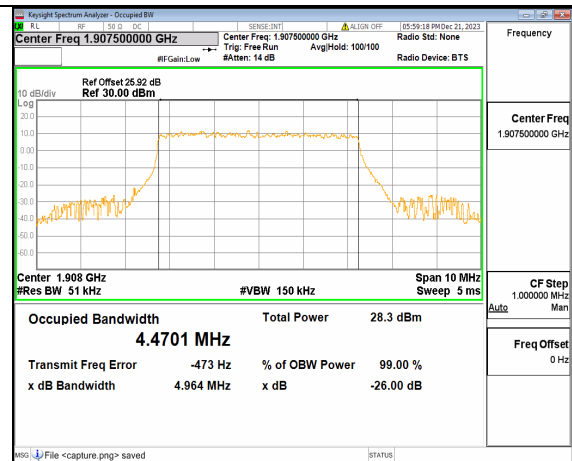
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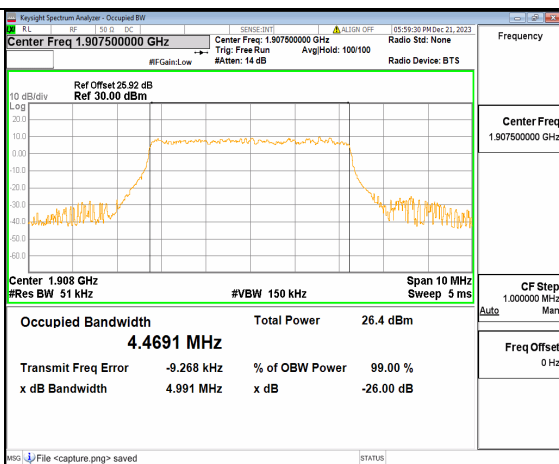
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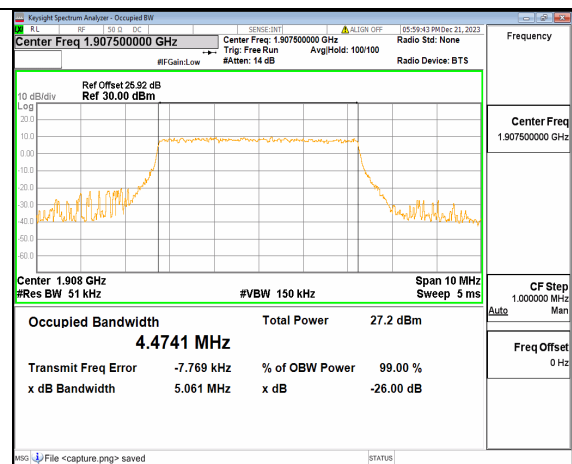
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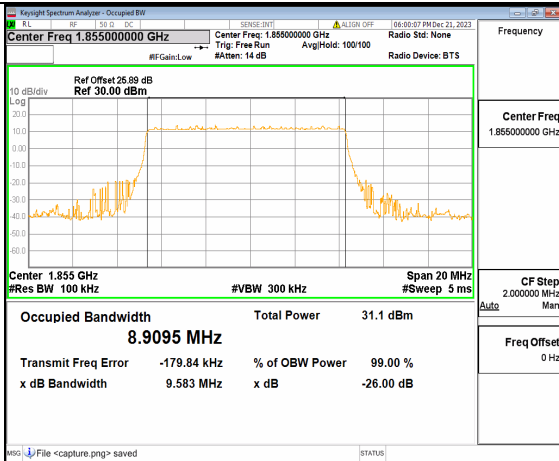
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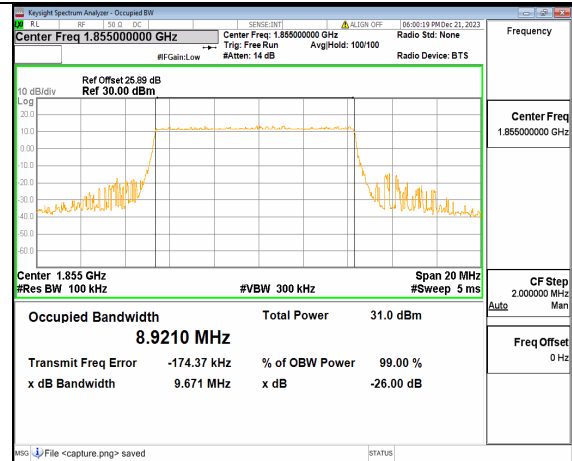
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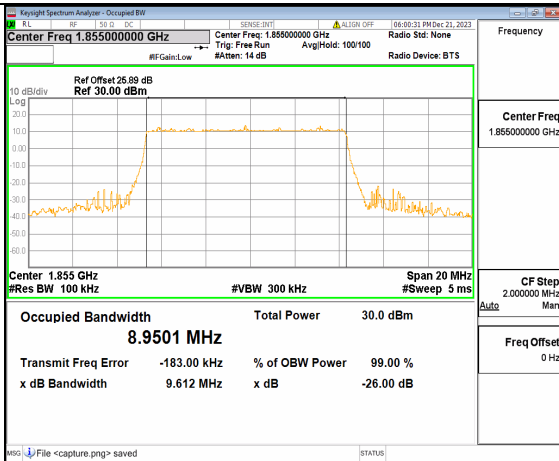
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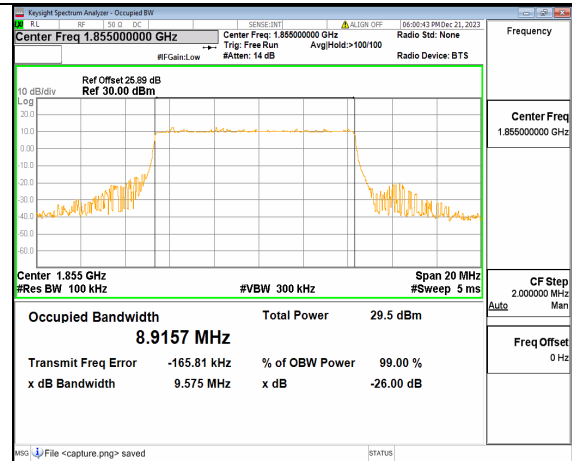
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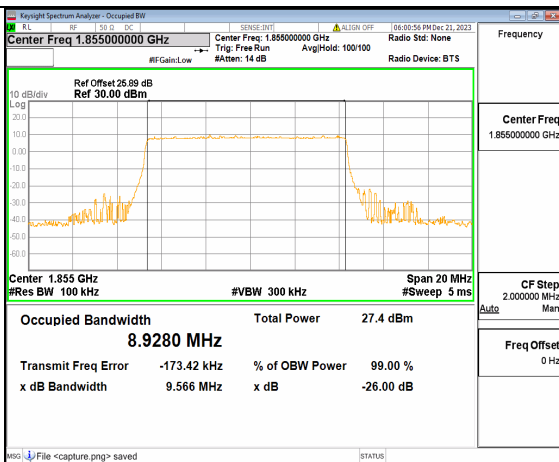
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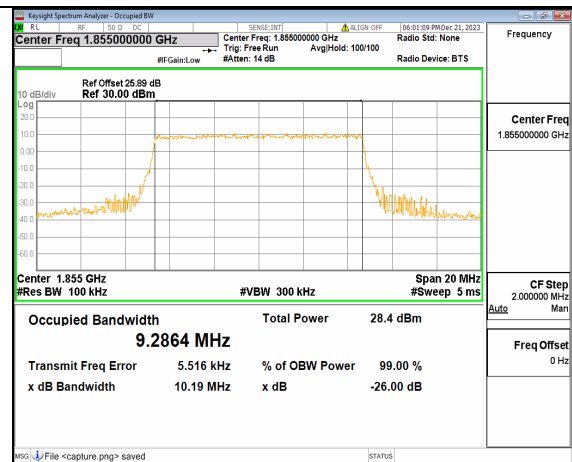
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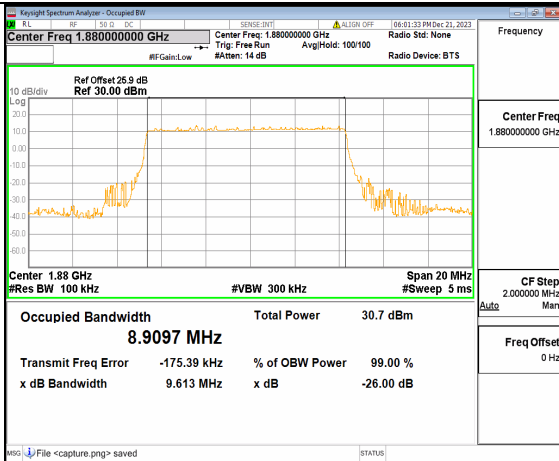
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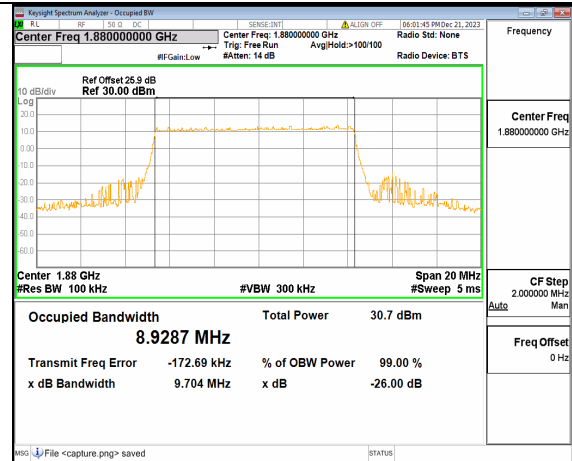
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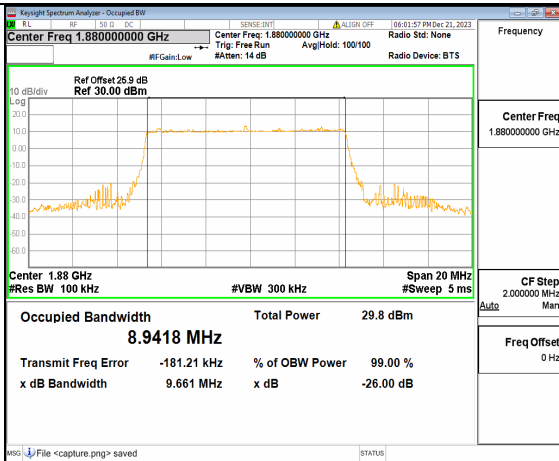
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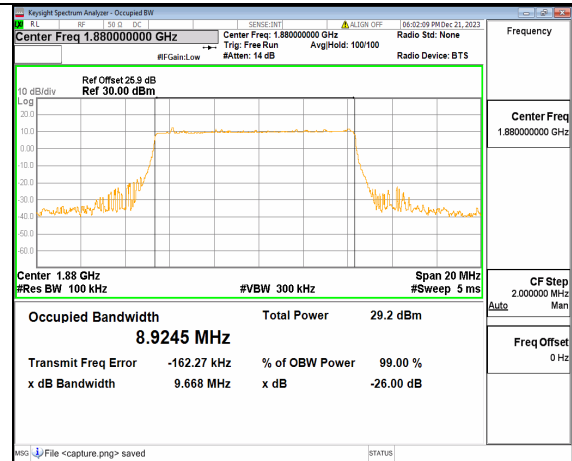
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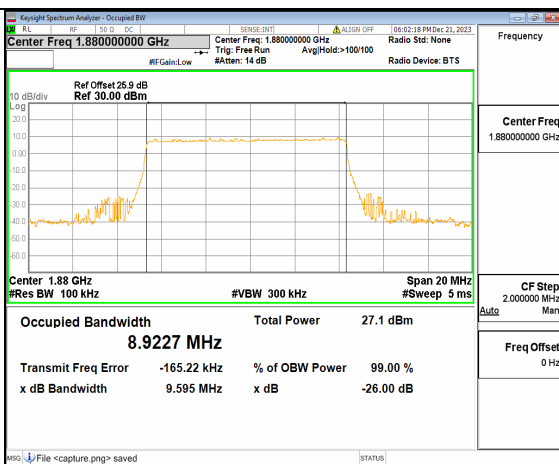
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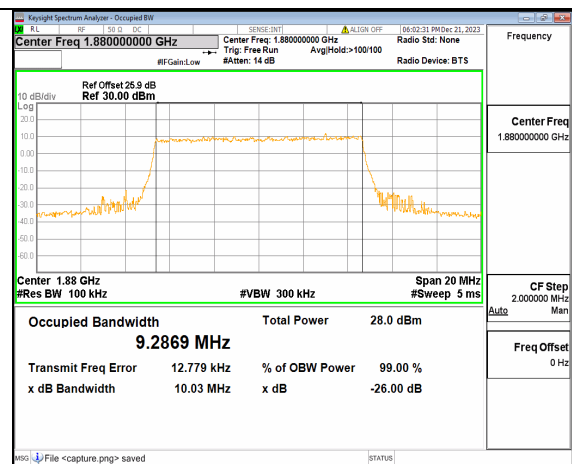
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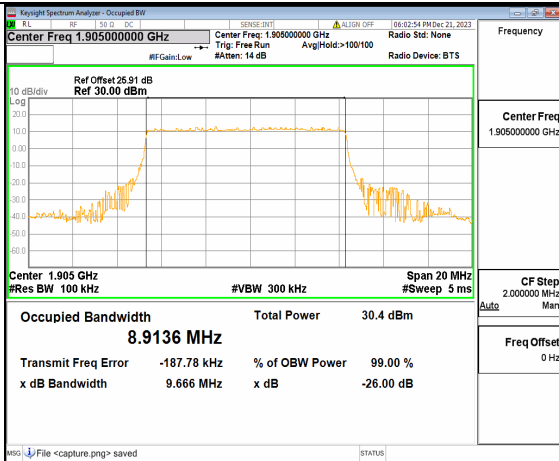
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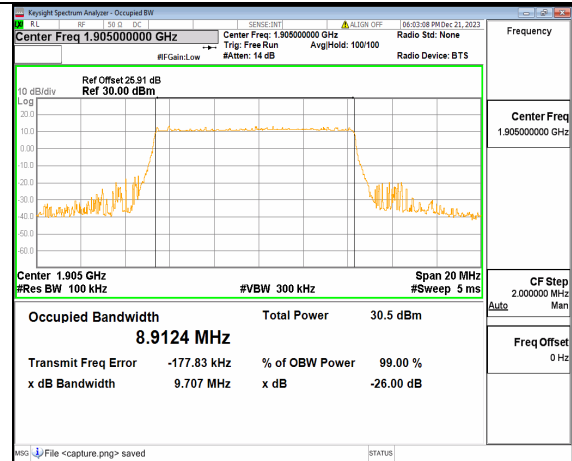
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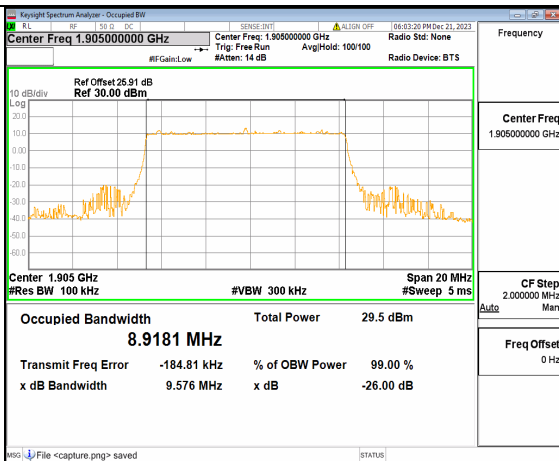
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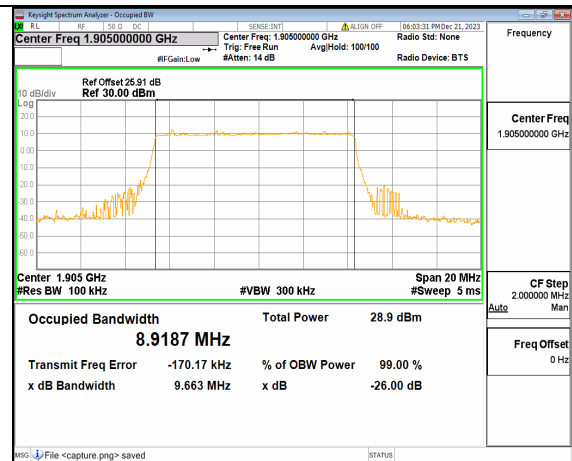
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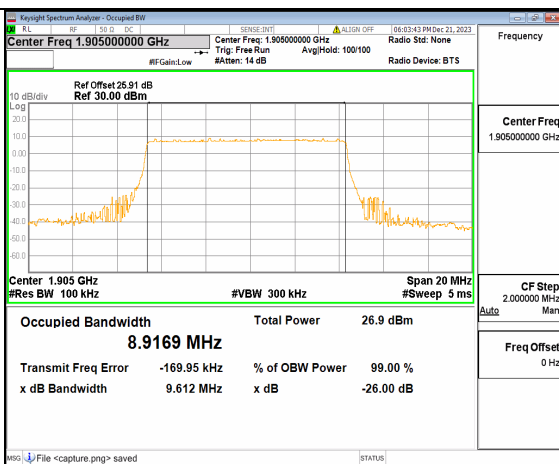
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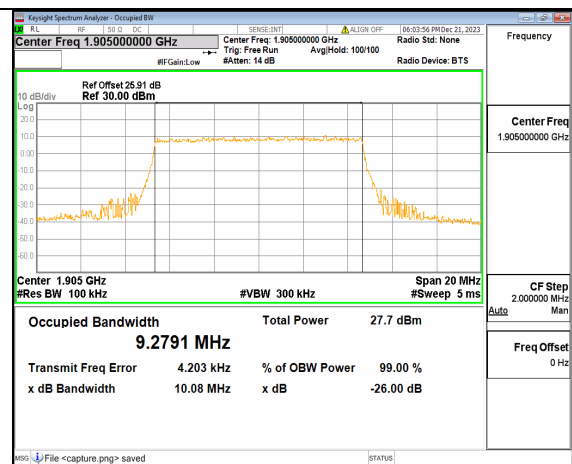
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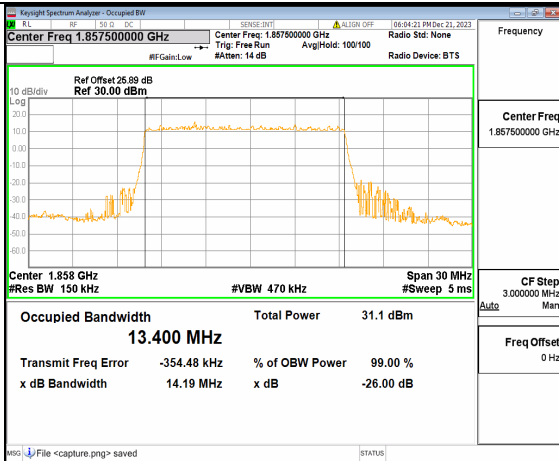
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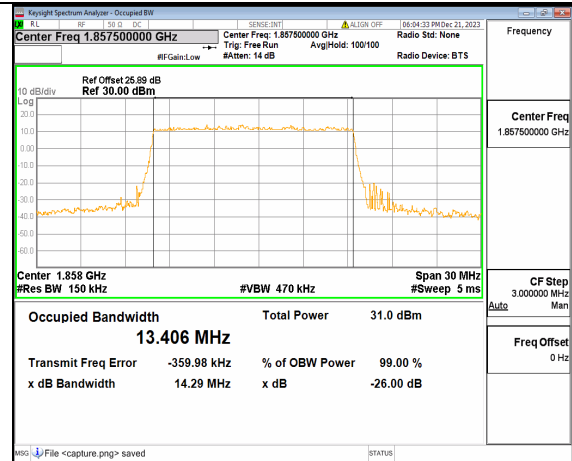
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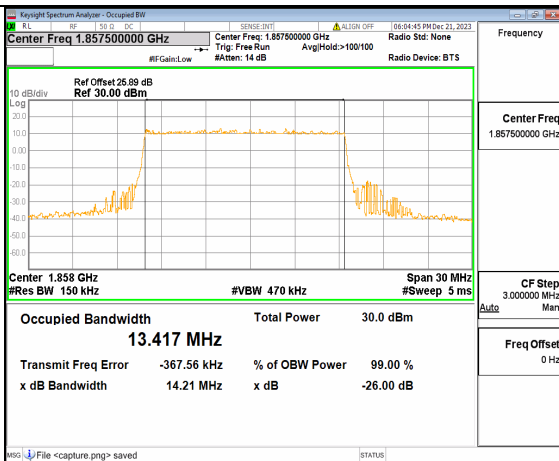
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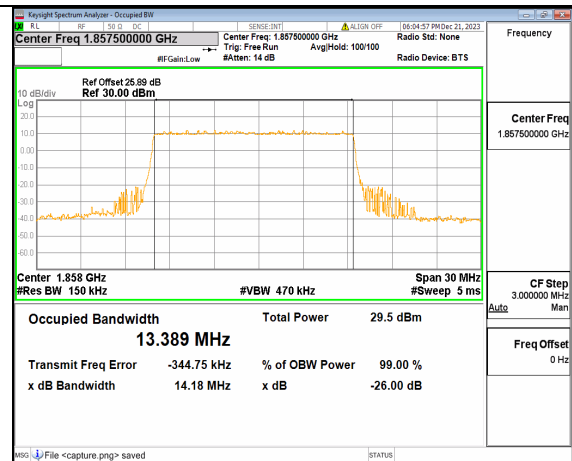
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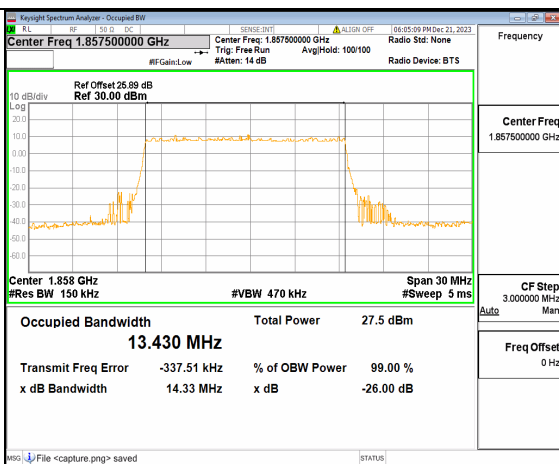
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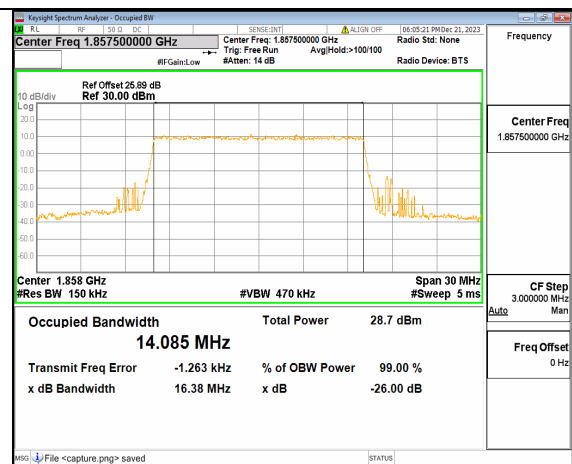
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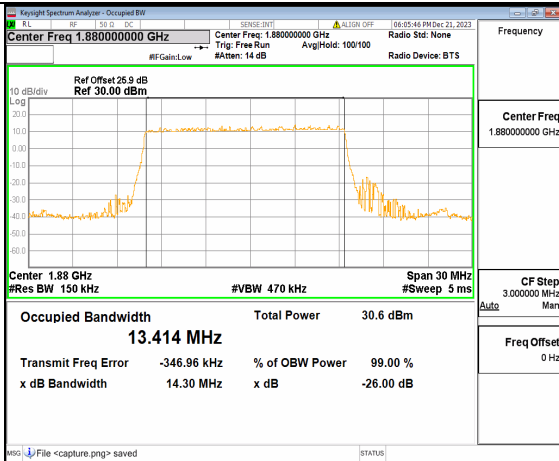
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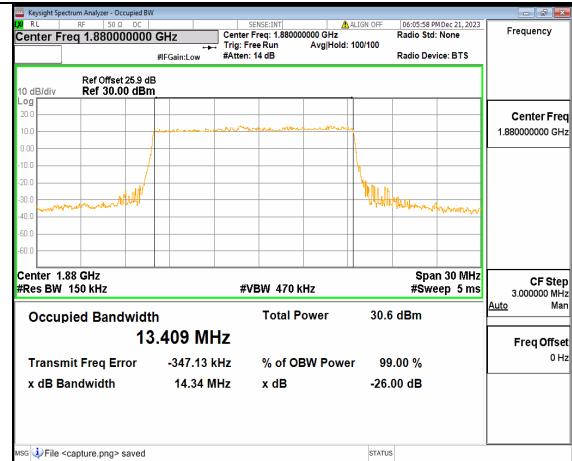
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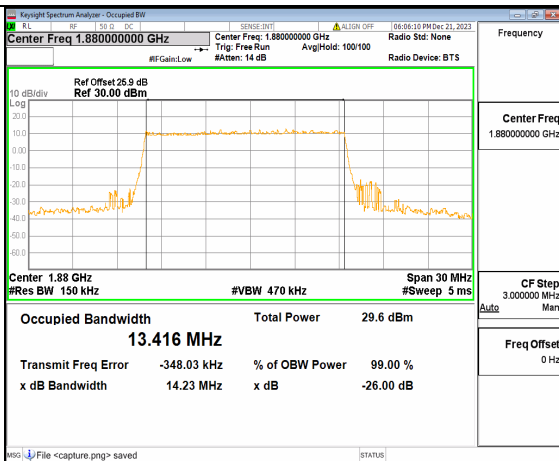
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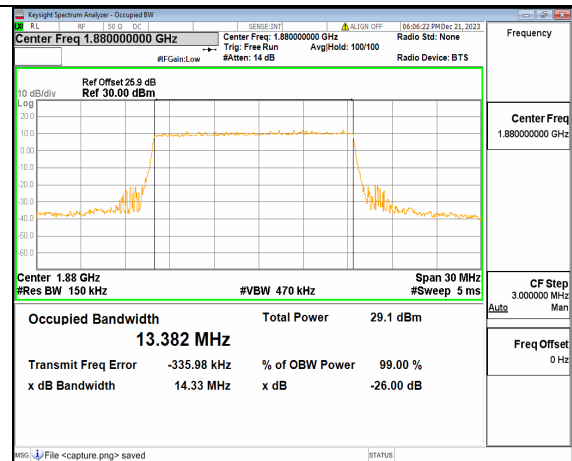
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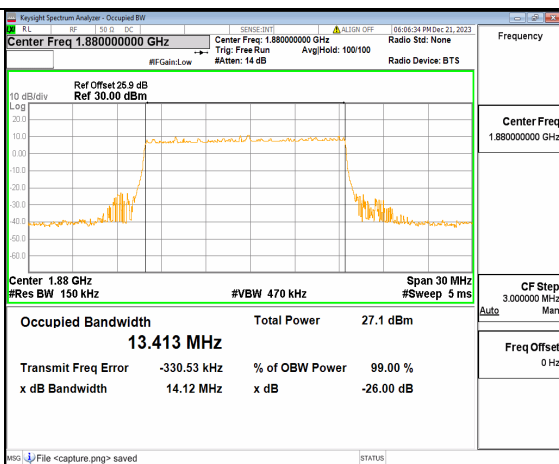
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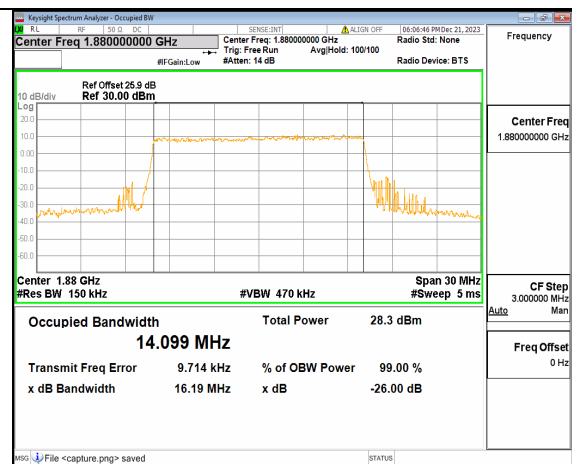
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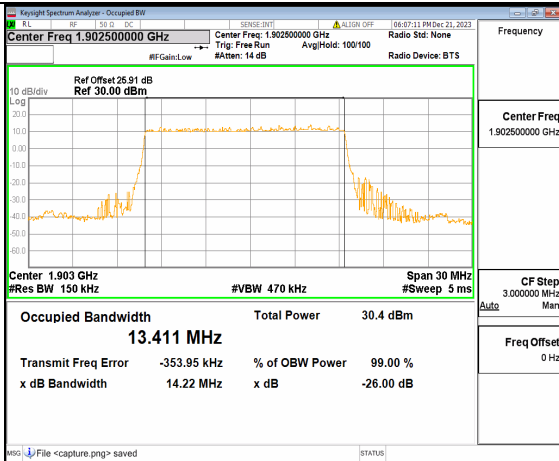
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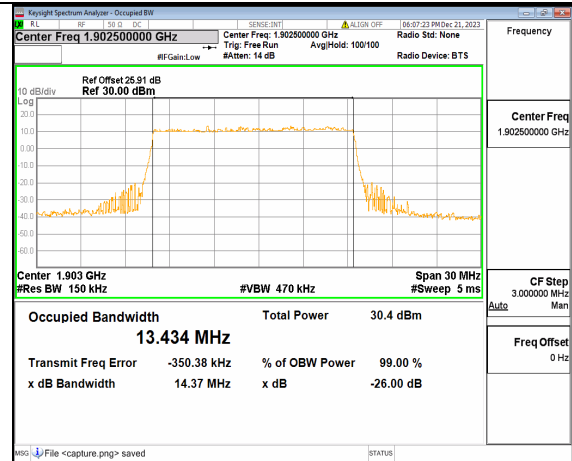
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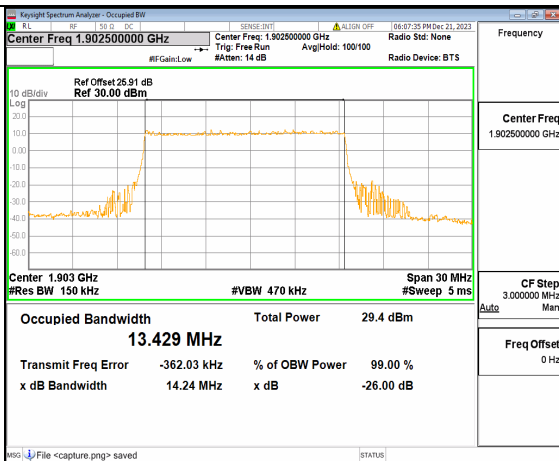
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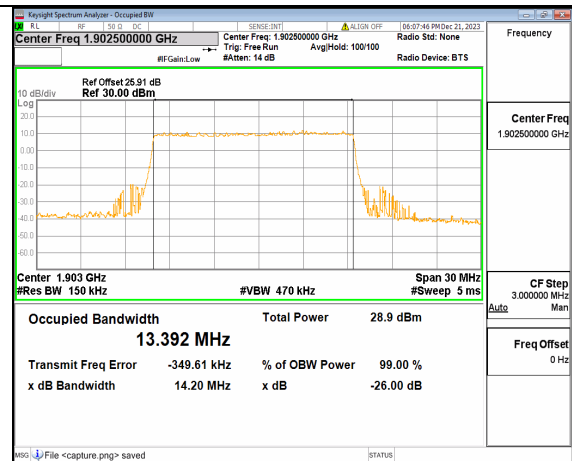
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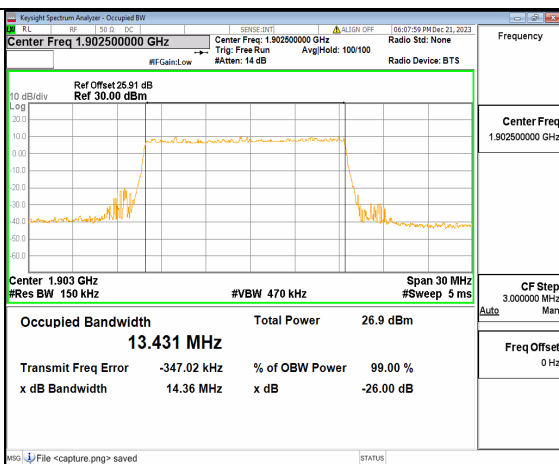
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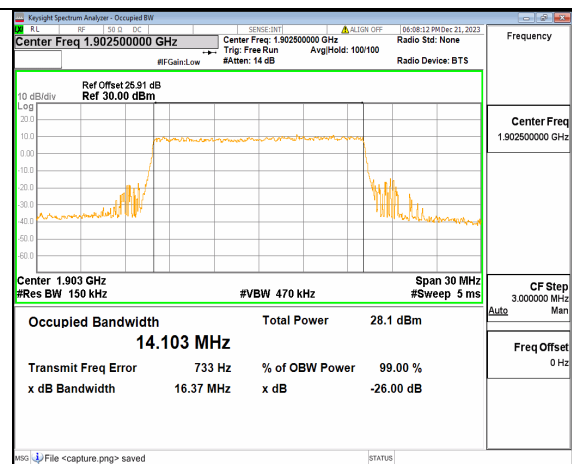
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n2 15M DFT-s-OFDM 64QAM Outer_Full High



n2 15M DFT-s-OFDM 256QAM Outer_Full High



n2 15M CP-OFDM QPSK Outer_Full High