



TEST REPORT

APPLICANT : Reliance Communications LLC

PRODUCT NAME : Orbic Style 5G

MODEL NAME : R678L5S

BRAND NAME : Orbic

FCC ID : 2ABGH-R678L5S

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

RECEIPT DATE : 2023-11-28

TEST DATE : 2023-12-21 to 2024-04-08

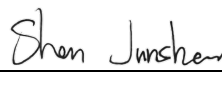
ISSUE DATE : 2024-04-19



Edited by:


Liu Yuanxin(Rapporteur)

Approved by:


Shen Junsheng (Supervisor)

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Change History		
Version	Date	Reason for change
1.0	2024-04-19	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 Style 5G	
Sample No.:	2#, 10#	
Hardware Version:	V1.0	
Software Version:	R678L5S_V1.0.24_BVZ	
Modulation Type:	DFT-s-OFDM	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM
	CP-OFDM	QPSK, 16QAM, 64QAM, 256QAM
SA Band:	n2, n5, n48, n66, n77, n78	
Power Class:	PC2:	n48, n77, n78
	PC3:	n2, n5, n66
EN-DC Band:	n2	DC_5A_n2, DC_13A_n2
	n66	DC_5A_n66, DC_13A_n66
	n77	DC_2A_n77, DC_5A_n77, DC_13A_n77, DC_66A_n77
Frequency Range:	n2	Tx: 1850MHz-1910MHz
		Rx: 1930MHz-1990MHz
	n5	Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	n48	Tx:3550 MHz-3700 MHz
		Rx:3550 MHz-3700 MHz
n66	Tx: 1710MHz-1780MHz	
	Rx: 2110MHz-2200MHz	
n77:	Tx: 3450MHz-3550MHz	



	(enabling bands)	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
n5		5MHz, 10MHz, 15MHz, 20MHz
n48		20MHz, 40MHz
n66		5MHz, 10MHz, 15MHz, 20MHz, 30MHz
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: 0.19dBi, ANT4: 1.29dBi
	n5	-1.06dBi
	n48	-0.40dBi
	n66	ANT3: -0.67dBi, ANT4: 1.24dBi
	n77	2.99dBi
	n78	1.07dBi
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

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

1.3. Maximum ERP/EIRP and Emission Designator

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	24.35	0.272	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	24.37	0.274	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	24.38	0.274	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	24.37	0.274	17.906	17M9G7D
	QPSK	23.13	24.42	0.277	17.896	17M9G7D
	16QAM	23.11	24.40	0.275	17.91	17M9W7D
	64QAM	21.58	22.87	0.194	17.911	17M9W7D
	256QAM	19.20	20.49	0.112	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	21.38	0.137	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	21.32	0.136	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	21.58	0.144	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	21.51	0.142	17.858	17M9G7D
	QPSK	23.82	21.61	0.145	17.862	17M9G7D
	16QAM	23.76	21.55	0.143	17.882	17M9W7D
	64QAM	22.36	20.15	0.104	17.899	17M9W7D
	256QAM	20.07	17.86	0.061	17.855	17M9W7D
	CP-QPSK	/	/	/	18.897	18M9G7D



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	25.89	0.388	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	25.85	0.385	35.746	35M8G7D
	QPSK	26.73	26.33	0.430	35.801	35M8G7D
	16QAM	24.36	23.96	0.249	35.796	35M8W7D
	64QAM	22.40	22.00	0.158	35.808	35M8W7D
	256QAM	20.76	20.36	0.109	35.775	35M8W7D
	CP-QPSK	/	/	/	35.694	35M7G7D

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	24.07	0.255	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	24.02	0.252	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	24.20	0.263	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	24.12	0.258	17.878	17M9G7D
	QPSK	22.90	24.14	0.259	17.873	17M9G7D
	16QAM	22.81	24.05	0.254	17.892	17M9W7D
	64QAM	21.46	22.70	0.186	17.905	17M9W7D
	256QAM	19.09	20.33	0.108	17.86	17M9W7D
	CP-QPSK	/	/	/	18.905	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	29.80	0.955	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	29.83	0.962	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	29.88	0.973	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	29.61	0.914	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	29.82	0.959	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	29.81	0.957	96.232	96M2G7D
	QPSK	26.93	29.92	0.982	96.289	96M3G7D
	16QAM	25.83	28.82	0.762	96.263	96M3W7D
	64QAM	24.47	27.46	0.557	96.296	96M3W7D
	256QAM	22.28	25.27	0.337	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	30.98	1.253	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	30.94	1.242	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	31.06	1.276	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	26.82	29.47	0.885	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	30.90	1.230	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	30.86	1.219	96.404	96M4G7D
	QPSK	28.67	31.66	1.466	96.373	96M4G7D
	16QAM	26.93	29.92	0.982	96.342	96M3W7D
	64QAM	26.80	29.79	0.953	96.333	96M3W7D
	256QAM	23.15	26.14	0.411	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	28.97	0.789	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	27.96	29.03	0.800	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	27.99	29.06	0.805	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
50	PI/2 BPSK	/	/	/	/	/



	QPSK	27.93	29.00	0.794	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	27.94	29.01	0.796	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
70	PI/2 BPSK	/	/	/	/	/
	QPSK	27.99	29.06	0.805	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	27.98	29.05	0.804	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
90	PI/2 BPSK	/	/	/	/	/
	QPSK	27.98	29.05	0.804	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
100	PI/2 BPSK	27.99	29.06	0.805	/	/
	QPSK	28.02	29.09	0.811	/	/
	16QAM	26.82	27.89	0.615	/	/
	64QAM	25.50	26.57	0.454	/	/
	256QAM	23.37	24.44	0.278	/	/



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	28.73	0.746	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	27.67	28.74	0.748	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	27.89	28.96	0.787	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
50	PI/2 BPSK	/	/	/	/	/
	QPSK	27.68	28.75	0.750	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	27.58	28.65	0.733	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
70	PI/2 BPSK	/	/	/	/	/
	QPSK	27.68	28.75	0.750	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	27.43	28.50	0.708	/	/
	16QAM	/	/	/	/	/



	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
90	PI/2 BPSK	/	/	/	/	/
	QPSK	26.92	27.99	0.630	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
100	PI/2 BPSK	27.71	28.78	0.755	/	/
	QPSK	27.73	28.80	0.759	/	/
	16QAM	25.38	26.45	0.442	/	/
	64QAM	24.07	25.14	0.327	/	/
	256QAM	21.78	22.85	0.193	/	/



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			
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(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".

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".

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.

Note 5: 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 6: 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.

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, 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, the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

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

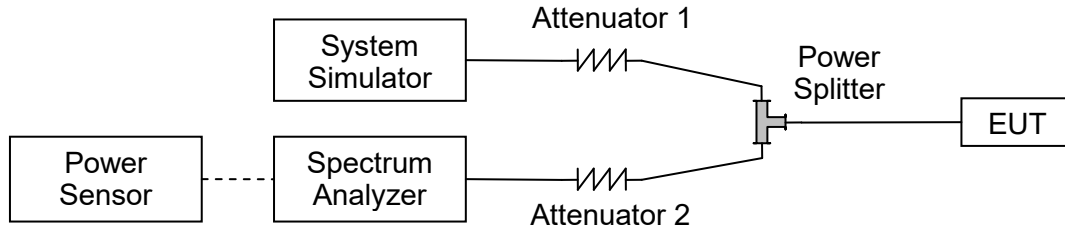
According to FCC section 96.41(b) for n48, the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table as below. Paragraph

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



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



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
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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
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_13A_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	23.01	22.69	22.41
20		1	53	22.99	22.50	22.41
20		1	104	22.87	22.60	22.52
20		50	1	22.64	22.37	22.24
20		50	25	23.05	22.62	22.68
20		50	50	22.72	21.62	22.14
20		100	0	22.70	22.52	21.49
20	DFT-s-OFDM QPSK	1	1	23.02	22.70	22.40
20		1	53	23.09	22.47	22.37
20		1	104	22.71	22.38	22.73
20		50	1	22.18	21.80	21.71
20		50	25	23.14	22.57	22.48
20		50	50	22.07	21.69	21.04
20		100	0	22.15	21.79	21.78
20	DFT-s-OFDM 16QAM	1	1	22.76	22.14	21.81
20	DFT-s-OFDM 64QAM	1	1	20.91	20.59	20.22
20	DFT-s-OFDM 256QAM	1	1	18.78	18.47	18.18
20	CP-OFDM QPSK	1	1	21.68	21.40	21.08
20	CP-OFDM 16QAM	1	1	21.19	20.85	20.74
20	CP-OFDM 64QAM	1	1	20.09	19.41	19.49
20	CP-OFDM 256QAM	1	1	16.87	16.51	16.19
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	23.10	22.70	22.45
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	23.06	22.72	22.53
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	23.07	22.67	22.64



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



DC_13A_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	22.95	23.04	22.73
20		1	53	23.08	22.83	22.67
20		1	104	23.15	22.88	22.66
20		50	1	22.67	22.56	22.56
20		50	25	23.06	22.91	22.78
20		50	50	22.82	22.66	22.36
20		100	0	22.65	22.47	22.56
20	DFT-s-OFDM QPSK	1	1	23.00	23.03	22.79
20		1	53	23.06	22.99	22.72
20		1	104	23.02	22.83	22.66
20		50	1	22.15	22.01	21.88
20		50	25	23.10	23.02	22.74
20		50	50	22.18	22.09	21.86
20		100	0	22.19	22.02	21.90
20	DFT-s-OFDM 16QAM	1	1	22.39	22.38	22.13
20	DFT-s-OFDM 64QAM	1	1	20.84	21.04	20.57
20	DFT-s-OFDM 256QAM	1	1	18.62	18.56	18.36
20	CP-OFDM QPSK	1	1	21.65	21.74	21.42
20	CP-OFDM 16QAM	1	1	21.13	21.06	20.87
20	CP-OFDM 64QAM	1	1	19.71	19.69	19.48
20	CP-OFDM 256QAM	1	1	16.62	16.57	16.37
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	22.99	23.01	22.72
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	22.94	22.94	22.66
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	23.03	22.95	22.72



DC_2A_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	/	26.88	/
100		1	136	/	26.39	/
100		1	271	/	19.77	/
100		135	1	/	26.16	/
100		135	67	/	20.28	/
100		135	136	/	25.63	/
100		270	0	/	26.00	/
100	DFT-s-OFDM QPSK	1	1	/	26.87	/
100		1	136	/	26.40	/
100		1	271	/	25.96	/
100		135	1	/	25.63	/
100		135	67	/	26.43	/
100		135	136	/	25.04	/
100		270	0	/	19.86	/
100	DFT-s-OFDM 16QAM	1	1	/	26.10	/
100	DFT-s-OFDM 64QAM	1	1	/	19.81	/
100	DFT-s-OFDM 256QAM	1	1	/	22.43	/
100	CP-OFDM QPSK	1	1	/	25.52	/
100	CP-OFDM 16QAM	1	1	/	25.15	/
100	CP-OFDM 64QAM	1	1	/	23.59	/
100	CP-OFDM 256QAM	1	1	/	20.37	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.84	26.78	26.53
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.67	26.65	26.54
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	27.02	26.79	26.67
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.79	26.71	26.37
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.86	26.75	26.22



DC_5A_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	/	26.91	/
100		1	136	/	26.43	/
100		1	271	/	25.86	/
100		135	1	/	26.14	/
100		135	67	/	20.27	/
100		135	136	/	25.53	/
100		270	0	/	26.01	/
100	DFT-s-OFDM QPSK	1	1	/	26.91	/
100		1	136	/	26.43	/
100		1	271	/	25.87	/
100		135	1	/	20.01	/
100		135	67	/	26.46	/
100		135	136	/	25.10	/
100		270	0	/	25.51	/
100	DFT-s-OFDM 16QAM	1	1	/	26.03	/
100	DFT-s-OFDM 64QAM	1	1	/	19.75	/
100	DFT-s-OFDM 256QAM	1	1	/	22.56	/
100	CP-OFDM QPSK	1	1	/	25.52	/
100	CP-OFDM 16QAM	1	1	/	19.61	/
100	CP-OFDM 64QAM	1	1	/	23.55	/
100	CP-OFDM 256QAM	1	1	/	20.52	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.81	26.73	26.54
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.66	26.54	26.47
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.90	26.77	26.65
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.89	26.69	26.38
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.87	26.68	26.11



DC_13A_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	/	26.89	/
100		1	136	/	26.40	/
100		1	271	/	25.91	/
100		135	1	/	26.12	/
100		135	67	/	26.44	/
100		135	136	/	25.50	/
100		270	0	/	25.98	/
100	DFT-s-OFDM QPSK	1	1	/	20.35	/
100		1	136	/	26.38	/
100		1	271	/	25.60	/
100		135	1	/	25.62	/
100		135	67	/	26.40	/
100		135	136	/	25.45	/
100		270	0	/	25.50	/
100	DFT-s-OFDM 16QAM	1	1	/	26.06	/
100	DFT-s-OFDM 64QAM	1	1	/	24.63	/
100	DFT-s-OFDM 256QAM	1	1	/	22.36	/
100	CP-OFDM QPSK	1	1	/	25.50	/
100	CP-OFDM 16QAM	1	1	/	25.06	/
100	CP-OFDM 64QAM	1	1	/	23.62	/
100	CP-OFDM 256QAM	1	1	/	20.34	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.73	26.66	26.51
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.57	26.52	26.44
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.81	26.77	26.59
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.88	26.72	26.27
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.76	26.67	26.10



DC_66A_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	/	26.90	/
100		1	136	/	26.40	/
100		1	271	/	25.75	/
100		135	1	/	26.13	/
100		135	67	/	26.44	/
100		135	136	/	25.57	/
100		270	0	/	26.02	/
100	DFT-s-OFDM QPSK	1	1	/	20.37	/
100		1	136	/	26.42	/
100		1	271	/	25.93	/
100		135	1	/	25.61	/
100		135	67	/	26.43	/
100		135	136	/	25.47	/
100		270	0	/	25.47	/
100	DFT-s-OFDM 16QAM	1	1	/	20.09	/
100	DFT-s-OFDM 64QAM	1	1	/	24.75	/
100	DFT-s-OFDM 256QAM	1	1	/	22.38	/
100	CP-OFDM QPSK	1	1	/	25.47	/
100	CP-OFDM 16QAM	1	1	/	25.11	/
100	CP-OFDM 64QAM	1	1	/	23.61	/
100	CP-OFDM 256QAM	1	1	/	20.40	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.74	26.76	26.51
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.76	26.59	26.45
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.81	26.80	26.27
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.88	26.70	26.36
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.74	26.65	26.06



DC_2A_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	25.95	27.65	26.63
100		1	136	28.01	27.56	25.41
100		1	271	27.49	26.47	25.38
100		135	1	25.82	27.28	25.66
100		135	67	27.67	27.58	25.55
100		135	136	25.02	25.06	25.10
100		270	0	26.98	27.05	19.63
100	DFT-s-OFDM QPSK	1	1	26.33	27.64	26.63
100		1	136	27.99	27.47	25.37
100		1	271	27.50	26.48	25.36
100		135	1	26.40	19.45	25.13
100		135	67	27.59	27.55	27.47
100		135	136	26.52	25.89	24.57
100		270	0	26.39	26.55	24.72
100	DFT-s-OFDM 16QAM	1	1	25.16	25.41	25.85
100	DFT-s-OFDM 64QAM	1	1	23.69	25.35	19.15
100	DFT-s-OFDM 256QAM	1	1	21.38	23.17	22.14
100	CP-OFDM QPSK	1	1	24.53	26.23	25.23
100	CP-OFDM 16QAM	1	1	24.19	25.88	24.81
100	CP-OFDM 64QAM	1	1	22.59	24.34	23.33
100	CP-OFDM 256QAM	1	1	20.39	21.31	20.13
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	26.00	27.79	26.11
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	25.97	27.80	25.51
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	25.99	27.98	24.90
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	25.92	27.90	25.00
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.25	27.94	25.29



DC_5A_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	25.96	27.66	26.64
100		1	136	26.72	27.44	25.40
100		1	271	27.45	26.48	25.36
100		135	1	26.87	15.66	25.68
100		135	67	27.67	27.55	25.61
100		135	136	27.02	15.69	25.09
100		270	0	26.91	27.07	19.63
100	DFT-s-OFDM QPSK	1	1	26.31	26.61	26.60
100		1	136	27.99	27.47	25.41
100		1	271	27.46	26.45	25.38
100		135	1	26.37	25.43	25.04
100		135	67	27.63	27.53	27.47
100		135	136	26.49	25.88	24.61
100		270	0	25.38	26.57	24.74
100	DFT-s-OFDM 16QAM	1	1	25.01	26.76	25.79
100	DFT-s-OFDM 64QAM	1	1	18.69	19.19	19.14
100	DFT-s-OFDM 256QAM	1	1	21.30	23.05	22.01
100	CP-OFDM QPSK	1	1	24.43	26.23	25.21
100	CP-OFDM 16QAM	1	1	24.07	24.04	24.02
100	CP-OFDM 64QAM	1	1	22.54	24.34	23.27
100	CP-OFDM 256QAM	1	1	19.39	21.14	20.18
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	25.99	27.74	26.12
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	25.88	27.70	25.49
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	26.43	27.95	24.89
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	26.29	27.90	25.02
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.24	27.84	25.25



DC_13A_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	25.99	27.69	26.72
100		1	136	28.05	27.54	25.47
100		1	271	27.49	26.53	25.47
100		135	1	26.93	27.27	25.72
100		135	67	27.69	27.63	25.65
100		135	136	25.64	25.75	25.14
100		270	0	26.95	27.11	19.70
100	DFT-s-OFDM QPSK	1	1	25.87	25.68	26.68
100		1	136	25.67	27.53	25.48
100		1	271	27.52	26.52	25.42
100		135	1	25.61	26.81	25.22
100		135	67	27.69	26.89	26.54
100		135	136	26.57	25.95	24.80
100		270	0	26.46	26.60	24.79
100	DFT-s-OFDM 16QAM	1	1	25.03	26.94	25.93
100	DFT-s-OFDM 64QAM	1	1	18.68	19.21	19.19
100	DFT-s-OFDM 256QAM	1	1	21.33	23.14	22.17
100	CP-OFDM QPSK	1	1	24.47	26.33	25.29
100	CP-OFDM 16QAM	1	1	24.07	25.89	24.94
100	CP-OFDM 64QAM	1	1	22.61	24.39	23.41
100	CP-OFDM 256QAM	1	1	19.43	21.30	20.22
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	25.98	27.76	26.16
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	25.96	27.72	25.54
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	26.43	28.01	24.93
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	26.24	27.85	25.01
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.26	27.83	25.24



DC_66A_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	25.93	27.67	26.63
100		1	136	26.73	27.50	25.45
100		1	271	27.47	26.48	25.40
100		135	1	25.80	25.69	25.66
100		135	67	27.60	27.55	25.61
100		135	136	27.04	26.38	26.86
100		270	0	26.89	27.07	25.25
100	DFT-s-OFDM QPSK	1	1	25.86	27.67	26.79
100		1	136	27.99	27.50	25.41
100		1	271	26.67	26.48	25.41
100		135	1	26.37	26.80	25.21
100		135	67	19.59	19.85	19.50
100		135	136	26.54	25.88	24.74
100		270	0	24.39	24.68	24.81
100	DFT-s-OFDM 16QAM	1	1	25.07	26.90	25.85
100	DFT-s-OFDM 64QAM	1	1	23.64	25.42	24.49
100	DFT-s-OFDM 256QAM	1	1	21.38	23.05	22.14
100	CP-OFDM QPSK	1	1	24.44	26.28	25.28
100	CP-OFDM 16QAM	1	1	24.06	25.93	19.10
100	CP-OFDM 64QAM	1	1	22.59	24.39	23.55
100	CP-OFDM 256QAM	1	1	19.44	21.23	20.28
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	26.01	27.74	26.11
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	25.91	27.67	25.05
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	26.41	27.33	24.84
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	26.26	27.78	25.00
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.26	27.81	25.24



Effective Radiated Power and Effective Isotropic Radiated Power:

n2									
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				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	24.16	0.261	24.12	0.258	23.82	0.241
20		1	53	24.22	0.264	23.91	0.246	23.86	0.243
20		1	104	23.95	0.248	23.83	0.242	23.80	0.240
20		50	1	24.37	0.274	24.09	0.256	23.93	0.247
20		50	25	24.31	0.270	24.09	0.256	23.92	0.247
20		50	50	24.27	0.267	24.06	0.255	23.96	0.249
20		100	0	24.27	0.267	24.09	0.256	23.90	0.245
20	DFT-s-OFDM QPSK	1	1	24.36	0.273	24.42	0.277	24.31	0.270
20		1	53	24.21	0.264	24.01	0.252	24.24	0.265
20		1	104	24.05	0.254	23.96	0.249	23.92	0.247
20		50	1	24.34	0.272	24.37	0.274	24.36	0.273
20		50	25	24.32	0.270	23.98	0.250	23.97	0.249
20		50	50	24.24	0.265	23.98	0.250	24.03	0.253
20		100	0	24.30	0.269	24.08	0.256	23.92	0.247
20	DFT-s-OFDM 16QAM	1	1	24.40	0.275	24.26	0.267	24.00	0.251
20	DFT-s-OFDM 64QAM	1	1	22.87	0.194	22.79	0.190	22.51	0.178
20	DFT-s-OFDM 256QAM	1	1	20.49	0.112	20.45	0.111	20.19	0.104
20	CP-OFDM QPSK	1	1	23.77	0.238	23.68	0.233	23.44	0.221
20	CP-OFDM 16QAM	1	1	23.27	0.212	23.24	0.211	22.97	0.198
20	CP-OFDM 64QAM	1	1	21.93	0.156	21.85	0.153	21.54	0.143
20	CP-OFDM 256QAM	1	1	18.60	0.072	18.52	0.071	18.19	0.066
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	24.38	0.274	24.12	0.258	23.88	0.244
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	24.37	0.274	24.10	0.257	23.99	0.251



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	24.35	0.272	23.92	0.247	23.88	0.244

n5									
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				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	21.40	0.138	21.46	0.140	21.46	0.140
20		1	53	21.32	0.136	21.30	0.135	21.34	0.136
20		1	104	21.06	0.128	21.00	0.126	21.08	0.128
20		50	1	21.51	0.142	21.50	0.141	21.51	0.142
20		50	25	21.41	0.138	21.45	0.140	21.38	0.137
20		50	50	21.41	0.138	21.30	0.135	21.28	0.134
20		100	0	21.49	0.141	21.41	0.138	21.33	0.136
20	DFT-s-OFDM QPSK	1	1	21.56	0.143	21.61	0.145	21.60	0.145
20		1	53	21.39	0.138	21.39	0.138	21.47	0.140
20		1	104	21.14	0.130	21.03	0.127	21.11	0.129
20		50	1	21.50	0.141	21.52	0.142	21.43	0.139
20		50	25	21.44	0.139	21.44	0.139	21.35	0.136
20		50	50	21.29	0.135	21.33	0.136	21.10	0.129
20		100	0	21.48	0.141	21.46	0.140	21.30	0.135
20	DFT-s-OFDM 16QAM	1	1	21.51	0.142	21.55	0.143	21.54	0.143
20	DFT-s-OFDM 64QAM	1	1	19.93	0.098	20.12	0.103	20.15	0.104
20	DFT-s-OFDM 256QAM	1	1	17.77	0.060	17.86	0.061	17.79	0.060
20	CP-OFDM QPSK	1	1	21.00	0.126	21.10	0.129	20.90	0.123
20	CP-OFDM 16QAM	1	1	20.59	0.115	20.61	0.115	20.56	0.114
20	CP-OFDM 64QAM	1	1	19.06	0.081	19.21	0.083	19.11	0.081
20	CP-OFDM 256QAM	1	1	15.80	0.038	15.90	0.039	15.89	0.039
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	21.54	0.143	21.58	0.144	21.36	0.137



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	21.32	0.136	21.14	0.130	21.27	0.134
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	21.38	0.137	21.31	0.135	21.07	0.128



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	24.52	0.283	23.41	0.219	25.08	0.322
40		1	53	25.29	0.338	22.42	0.175	25.80	0.380
40		1	104	24.18	0.262	24.01	0.252	25.85	0.385
40		50	1	24.01	0.252	22.41	0.174	24.96	0.313
40		50	25	24.43	0.277	22.84	0.192	25.78	0.378
40		50	50	23.74	0.237	22.58	0.181	25.03	0.318
40		100	0	23.85	0.243	22.43	0.175	25.29	0.338
40	DFT-s-OFDM QPSK	1	1	26.15	0.412	26.33	0.430	26.27	0.424
40		1	53	24.43	0.277	22.43	0.175	25.82	0.382
40		1	104	25.18	0.330	24.01	0.252	26.30	0.427
40		50	1	25.32	0.340	25.43	0.349	25.27	0.337
40		50	25	24.47	0.280	24.71	0.296	25.18	0.330
40		50	50	24.16	0.261	25.05	0.320	25.10	0.324
40		100	0	25.15	0.327	24.95	0.313	24.79	0.301
40	DFT-s-OFDM 16QAM	1	1	23.41	0.219	23.26	0.212	23.96	0.249
40	DFT-s-OFDM 64QAM	1	1	22.00	0.158	21.86	0.153	21.93	0.156
40	DFT-s-OFDM 256QAM	1	1	19.85	0.097	18.74	0.075	20.36	0.109
40	CP-OFDM QPSK	1	1	23.04	0.201	21.90	0.155	23.57	0.228
40	CP-OFDM 16QAM	1	1	22.49	0.177	21.46	0.140	23.14	0.206
40	CP-OFDM 64QAM	1	1	20.62	0.115	19.48	0.089	21.17	0.131
40	CP-OFDM 256QAM	1	1	17.85	0.061	16.65	0.046	18.35	0.068
Channel				637334	641666	646000	637334	641666	646000
Frequency (MHz)				3560.01	3624.99	3690	3560.01	3624.99	3690
20	DFT-s-OFDM QPSK	1	1	24.35	0.272	22.74	0.188	25.89	0.388



n66									
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				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	24.05	0.254	23.89	0.245	23.81	0.240
20		1	53	23.97	0.249	23.84	0.242	23.75	0.237
20		1	104	23.87	0.244	23.90	0.245	23.77	0.238
20		50	1	24.12	0.258	23.95	0.248	23.90	0.245
20		50	25	24.11	0.258	23.90	0.245	23.85	0.243
20		50	50	24.03	0.253	23.91	0.246	23.84	0.242
20		100	0	24.07	0.255	23.92	0.247	23.89	0.245
20	DFT-s-OFDM QPSK	1	1	24.12	0.258	24.14	0.259	24.10	0.257
20		1	53	24.05	0.254	23.83	0.242	23.73	0.236
20		1	104	23.90	0.245	23.88	0.244	23.76	0.238
20		50	1	24.04	0.254	24.08	0.256	24.03	0.253
20		50	25	24.02	0.252	23.98	0.250	23.83	0.242
20		50	50	24.00	0.251	23.92	0.247	23.80	0.240
20		100	0	24.06	0.255	23.98	0.250	23.80	0.240
20	DFT-s-OFDM 16QAM	1	1	24.05	0.254	24.00	0.251	23.90	0.245
20	DFT-s-OFDM 64QAM	1	1	22.70	0.186	22.48	0.177	22.41	0.174
20	DFT-s-OFDM 256QAM	1	1	20.33	0.108	20.14	0.103	20.05	0.101
20	CP-OFDM QPSK	1	1	23.71	0.235	23.53	0.225	23.43	0.220
20	CP-OFDM 16QAM	1	1	23.25	0.211	22.94	0.197	22.91	0.195
20	CP-OFDM 64QAM	1	1	21.80	0.151	21.59	0.144	21.52	0.142
20	CP-OFDM 256QAM	1	1	18.33	0.068	18.16	0.065	18.03	0.064
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	24.20	0.263	24.08	0.256	24.00	0.251
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	24.02	0.252	23.89	0.245	23.81	0.240
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	24.07	0.255	23.93	0.247	23.97	0.249
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	25.10	0.324	25.08	0.322	24.93	0.311

n77(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	/	/	29.81	0.957	/	/
100		1	136	/	/	29.16	0.824	/	/
100		1	271	/	/	28.94	0.783	/	/
100		135	1	/	/	29.21	0.834	/	/
100		135	67	/	/	29.50	0.891	/	/
100		135	136	/	/	28.48	0.705	/	/
100		270	0	/	/	28.94	0.783	/	/
100		DFT-s-OFDM QPSK	1	1	/	/	29.92	0.982	/
100	1		136	/	/	29.44	0.879	/	/
100	1		271	/	/	28.88	0.773	/	/
100	135		1	/	/	29.50	0.891	/	/
100	135		67	/	/	29.48	0.887	/	/
100	135		136	/	/	28.95	0.785	/	/
100	270		0	/	/	29.41	0.873	/	/
100	DFT-s-OFDM 16QAM		1	1	/	/	28.82	0.762	/
100	DFT-s-OFDM 64QAM	1	1	/	/	27.46	0.557	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	25.27	0.337	/	/
100	CP-OFDM QPSK	1	1	/	/	28.41	0.693	/	/
100	CP-OFDM 16QAM	1	1	/	/	27.90	0.617	/	/
100	CP-OFDM 64QAM	1	1	/	/	26.02	0.400	/	/
100	CP-OFDM	1	1	/	/	23.28	0.213	/	/



256QAM									
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	29.82	0.959	29.81	0.957	29.58	0.908
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	29.02	0.798	29.61	0.914	29.53	0.897
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	29.88	0.973	29.85	0.966	29.68	0.929
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	29.83	0.962	29.79	0.953	29.44	0.879
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	29.80	0.955	29.74	0.942	29.18	0.828

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	29.07	0.807	30.79	1.199	29.74	0.942
100		1	136	30.76	1.191	30.67	1.167	30.64	1.159
100		1	271	30.56	1.138	29.67	0.927	29.44	0.879
100		135	1	30.01	1.002	30.29	1.069	29.75	0.944
100		135	67	30.86	1.219	30.69	1.172	28.70	0.741
100		135	136	30.01	1.002	29.37	0.865	28.08	0.643
100		270	0	30.00	1.000	30.16	1.038	29.67	0.927
100	DFT-s-OFDM QPSK	1	1	31.51	1.416	31.66	1.466	31.61	1.449
100		1	136	31.12	1.294	30.70	1.175	28.51	0.710
100		1	271	30.57	1.140	29.69	0.931	28.40	0.692
100		135	1	30.53	1.130	30.86	1.219	30.78	1.197



100		13 5	67	30.24	1.057	30.65	1.161	28.68	0.738
100		13 5	136	29.53	0.897	28.87	0.771	28.21	0.662
100		27 0	0	30.43	1.104	29.68	0.929	28.33	0.681
100	DFT-s-OFDM 16QAM	1	1	29.92	0.982	29.42	0.875	28.65	0.733
100	DFT-s-OFDM 64QAM	1	1	29.79	0.953	28.33	0.681	27.34	0.542
100	DFT-s-OFDM 256QAM	1	1	24.36	0.273	26.14	0.411	25.04	0.319
100	CP-OFDM QPSK	1	1	27.56	0.570	29.31	0.853	28.24	0.667
100	CP-OFDM 16QAM	1	1	27.06	0.508	28.88	0.773	27.76	0.597
100	CP-OFDM 64QAM	1	1	25.16	0.328	26.88	0.488	25.84	0.384
100	CP-OFDM 256QAM	1	1	23.38	0.218	24.05	0.254	23.07	0.203
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	29.04	0.802	30.90	1.230	29.21	0.834
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	29.08	0.809	30.85	1.216	28.56	0.718
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 QPSK	1	1	29.49	0.889	31.06	1.276	27.93	0.621
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	29.41	0.873	30.94	1.242	27.97	0.627
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	29.33	0.857	30.98	1.253	28.35	0.684



n78(3450-3550MHz)									
BW [MHz]	Modulation	RB Size	RB Off set	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	/	/	29.06	0.805	/	/
100		1	136	/	/	27.91	0.618	/	/
100		1	271	/	/	27.22	0.527	/	/
100		135	1	/	/	27.92	0.619	/	/
100		135	67	/	/	28.12	0.649	/	/
100		135	136	/	/	26.81	0.480	/	/
100		270	0	/	/	27.52	0.565	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	29.09	0.811	/	/
100		1	136	/	/	27.96	0.625	/	/
100		1	271	/	/	27.19	0.524	/	/
100		135	1	/	/	28.10	0.646	/	/
100		135	67	/	/	27.95	0.624	/	/
100		135	136	/	/	27.35	0.543	/	/
100		270	0	/	/	28.00	0.631	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	27.89	0.615	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	26.57	0.454	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	24.44	0.278	/	/
100	CP-OFDM QPSK	1	1	/	/	27.36	0.545	/	/
100	CP-OFDM 16QAM	1	1	/	/	26.90	0.490	/	/
100	CP-OFDM 64QAM	1	1	/	/	25.26	0.336	/	/
100	CP-OFDM 256QAM	1	1	/	/	22.37	0.173	/	/



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	29.05	0.804	28.88	0.773	28.73	0.746
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	29.05	0.804	28.82	0.762	28.45	0.700
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	29.06	0.805	28.70	0.741	28.22	0.664
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	29.01	0.796	28.55	0.716	28.19	0.659
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	29.00	0.794	28.33	0.681	28.06	0.640
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	29.06	0.805	28.50	0.708	28.11	0.647
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	29.03	0.800	28.39	0.690	27.70	0.589
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	28.97	0.789	28.37	0.687	27.47	0.558



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	/	/	27.58	0.573	/	/
100		1	136	/	/	28.78	0.755	/	/
100		1	271	/	/	28.67	0.736	/	/
100		135	1	/	/	28.17	0.656	/	/
100		135	67	/	/	28.75	0.750	/	/
100		135	136	/	/	27.95	0.624	/	/
100		270	0	/	/	28.07	0.641	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	28.80	0.759	/	/
100		1	136	/	/	27.96	0.625	/	/
100		1	271	/	/	28.16	0.655	/	/
100		135	1	/	/	28.68	0.738	/	/
100		135	67	/	/	28.56	0.718	/	/
100		135	136	/	/	28.44	0.698	/	/
100		270	0	/	/	28.48	0.705	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	26.45	0.442	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	25.14	0.327	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	22.85	0.193	/	/
100	CP-OFDM QPSK	1	1	/	/	26.05	0.403	/	/
100	CP-OFDM 16QAM	1	1	/	/	25.69	0.371	/	/
100	CP-OFDM 64QAM	1	1	/	/	23.76	0.238	/	/



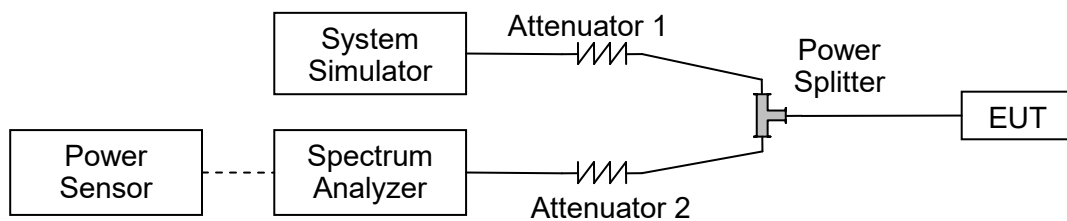
100	CP-OFDM 256QAM	1	1	/	/	20.88	0.122	/	/
Channel				649668	649668	650000	650000	650332	650332
Frequency (MHz)				3745.02	3745.02	3750.00	3750.00	3754.98	3754.98
90	DFT-s-OFDM QPSK	1	1	27.54	0.568	27.72	0.592	27.99	0.630
Channel				649334	649334	650000	650000	650666	650666
Frequency (MHz)				3740.01	3740.01	3750.00	3750.00	3759.99	3759.99
80	DFT-s-OFDM QPSK	1	1	27.59	0.574	28.02	0.634	28.50	0.708
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	27.60	0.575	28.25	0.668	28.75	0.750
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	27.49	0.561	28.50	0.708	28.65	0.733
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	27.66	0.583	28.74	0.748	28.75	0.750
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 QPSK	1	1	27.87	0.612	28.70	0.741	28.96	0.787
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	27.75	0.596	28.74	0.748	28.58	0.721
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	27.73	0.593	28.73	0.746	28.61	0.726

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test procedure

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

2.2.4. Test Result



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



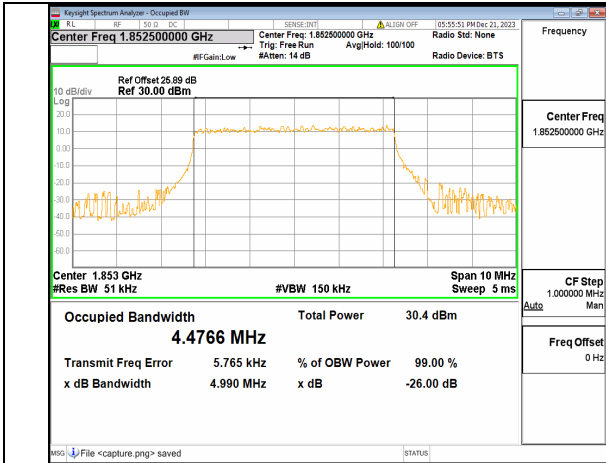
n2	15	10	381000	DFT-s-OFDM 64QAM	50/0	8.919	9.663	PASS
n2	15	10	381000	DFT-s-OFDM 256QAM	50/0	8.917	9.612	PASS
n2	15	10	381000	CP-OFDM QPSK	52/0	9.279	10.082	PASS
n2	15	15	371500	DFT-s-OFDM PI/2 BPSK	75/0	13.400	14.189	PASS
n2	15	15	371500	DFT-s-OFDM QPSK	75/0	13.406	14.289	PASS
n2	15	15	371500	DFT-s-OFDM 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



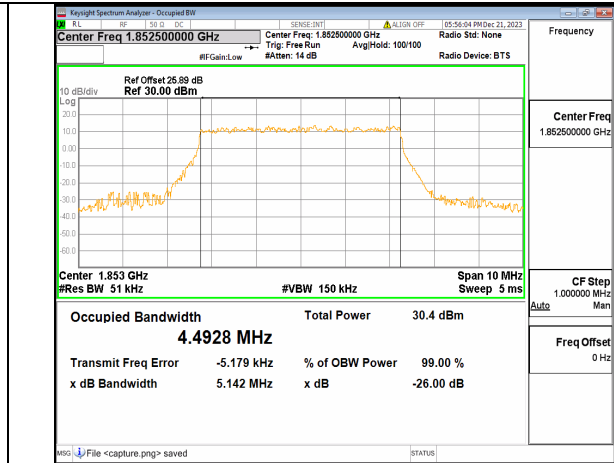
n2	15	15	380500	DFT-s-OFDM 16QAM	75/0	13.429	14.239	PASS
n2	15	15	380500	DFT-s-OFDM 64QAM	75/0	13.392	14.203	PASS
n2	15	15	380500	DFT-s-OFDM 256QAM	75/0	13.431	14.356	PASS
n2	15	15	380500	CP-OFDM QPSK	79/0	14.103	16.370	PASS
n2	15	20	372000	DFT-s-OFDM PI/2 BPSK	100/0	17.859	18.925	PASS
n2	15	20	372000	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



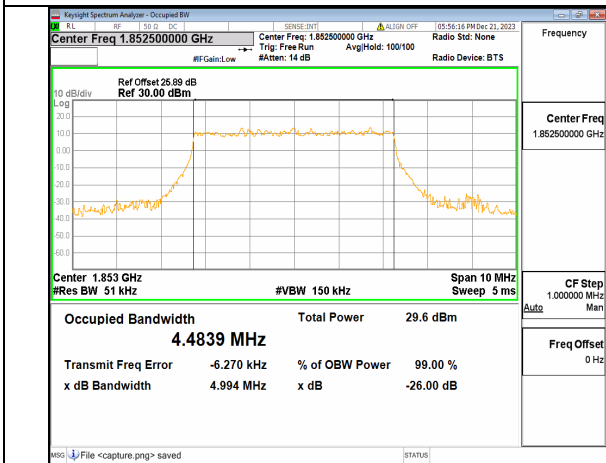
n2	15	20	380000	DFT-s-OFDM QPSK	100/0	17.896	19.074	PASS
n2	15	20	380000	DFT-s-OFDM 16QAM	100/0	17.910	19.030	PASS
n2	15	20	380000	DFT-s-OFDM 64QAM	100/0	17.911	18.817	PASS
n2	15	20	380000	DFT-s-OFDM 256QAM	100/0	17.870	18.749	PASS
n2	15	20	380000	CP-OFDM QPSK	106/0	18.926	19.941	PASS



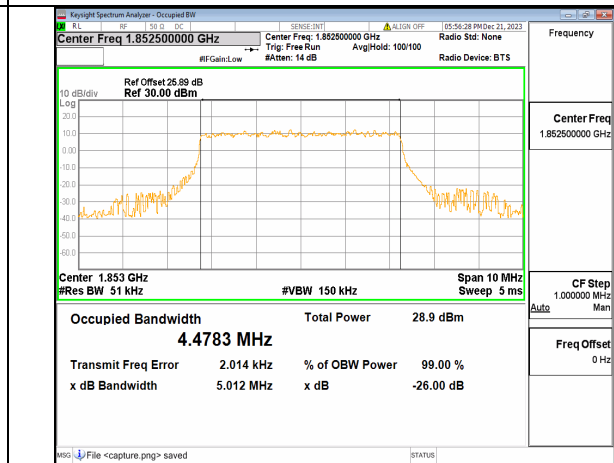
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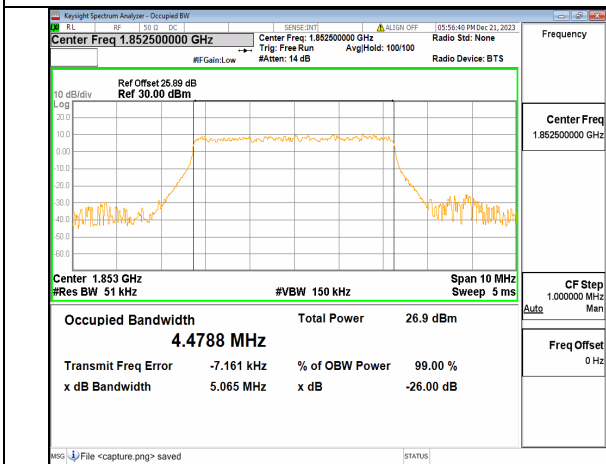
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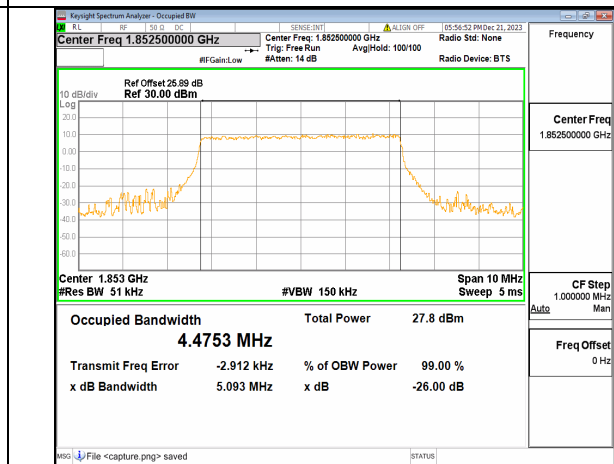
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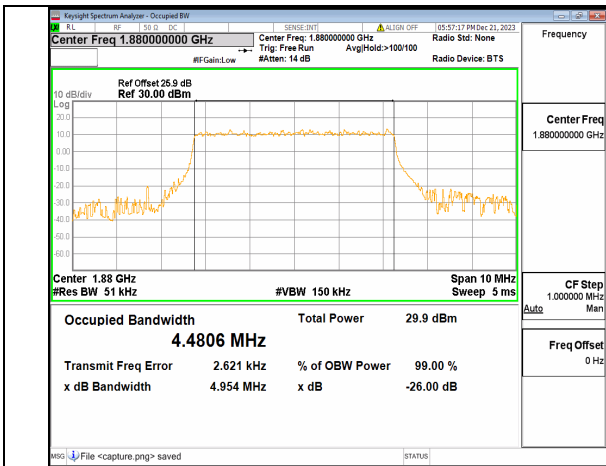
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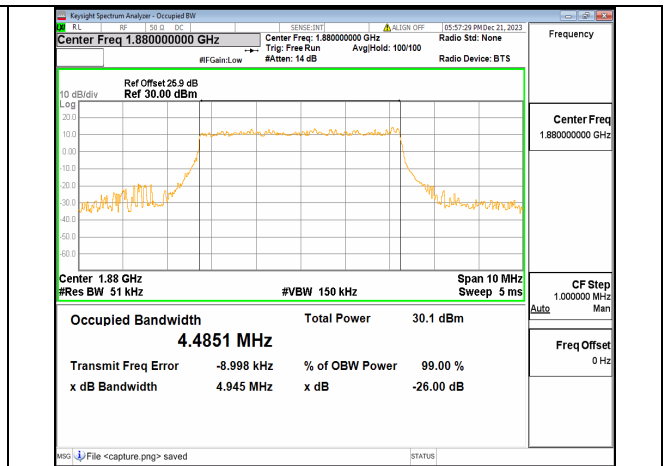
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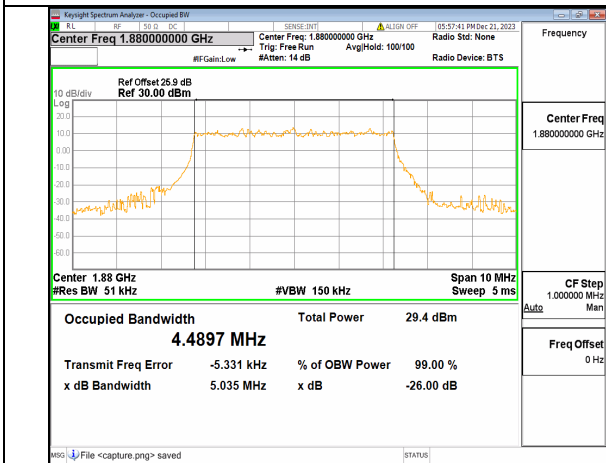
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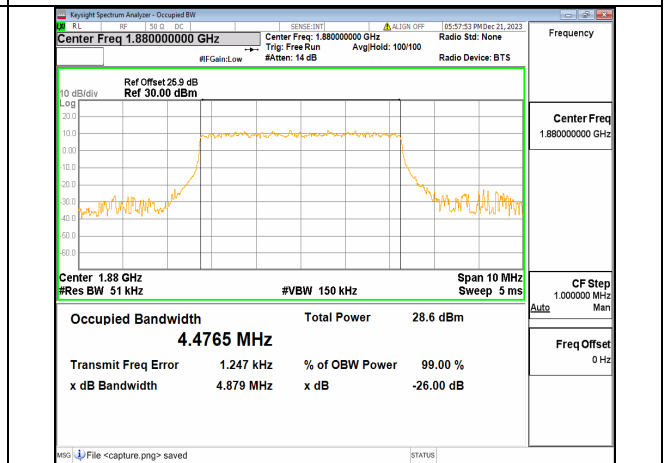
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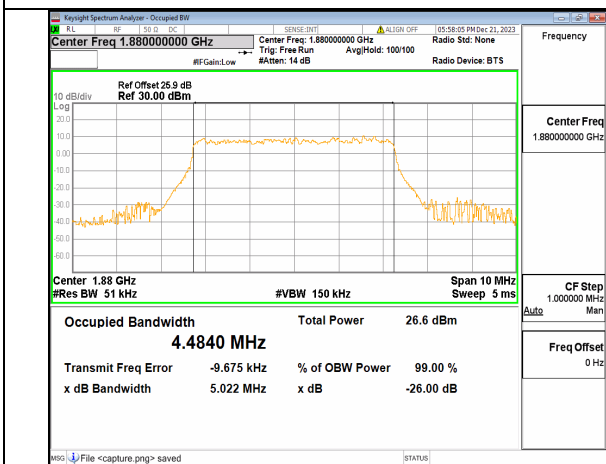
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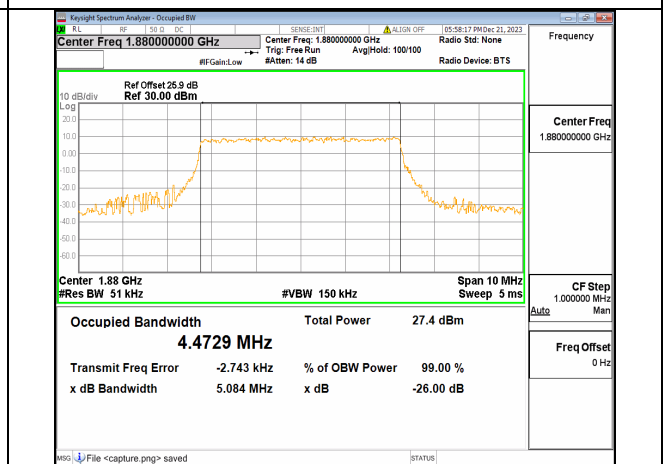
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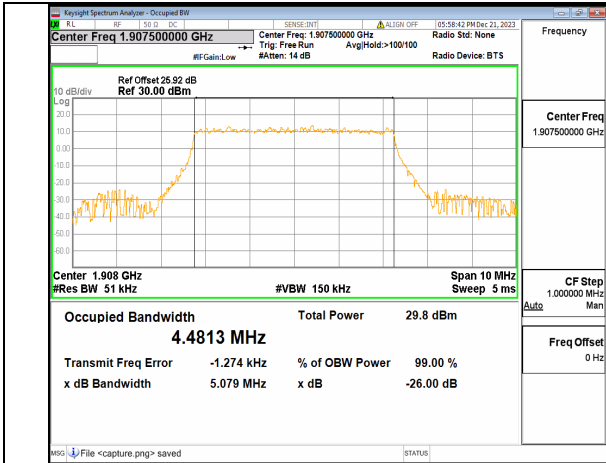
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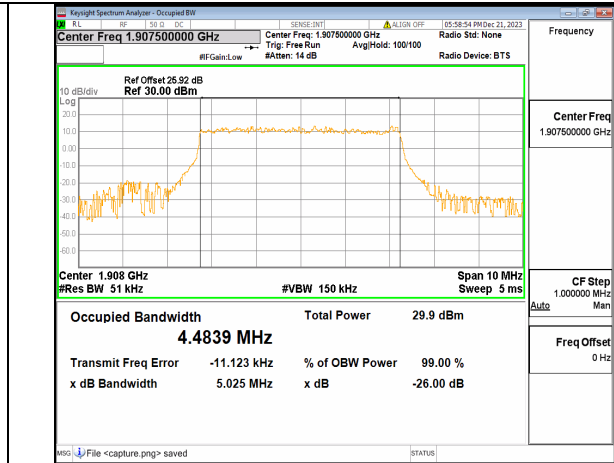
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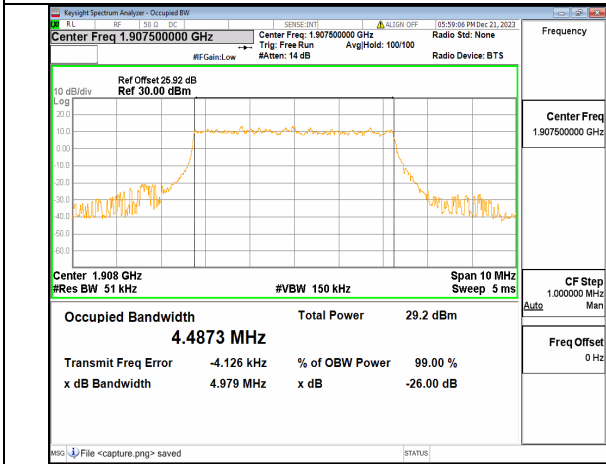
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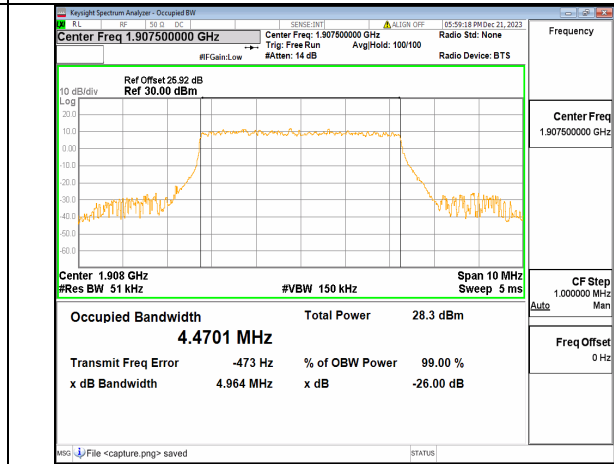
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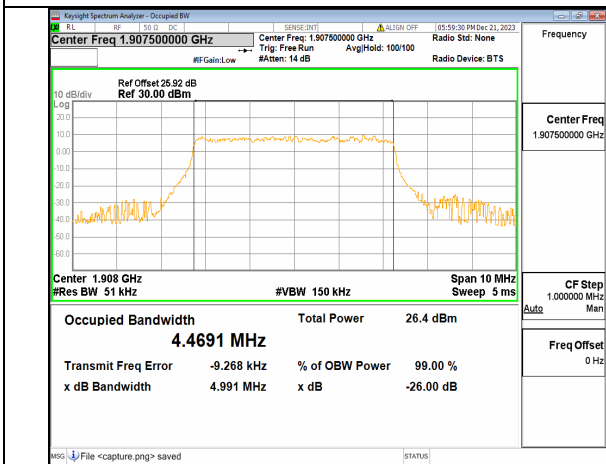
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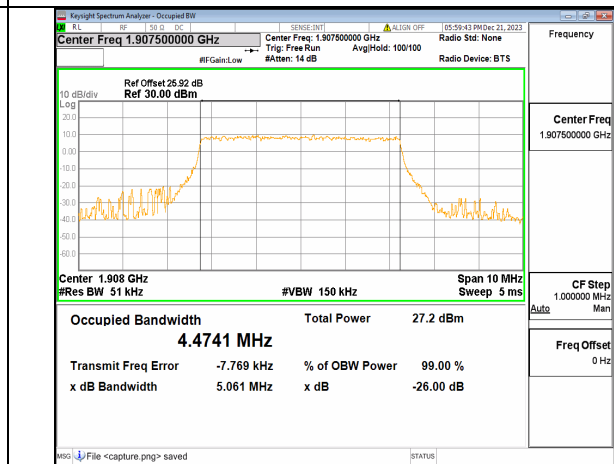
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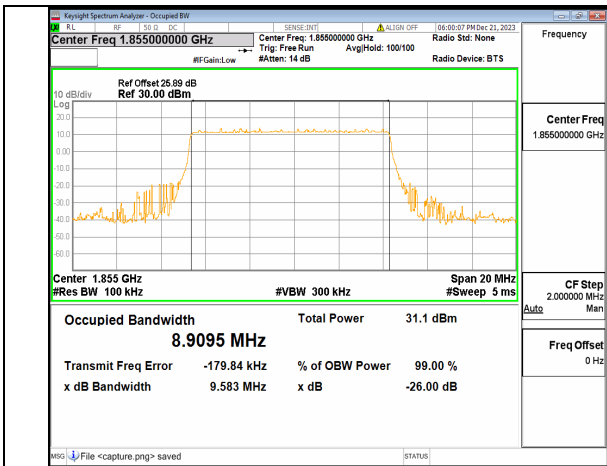
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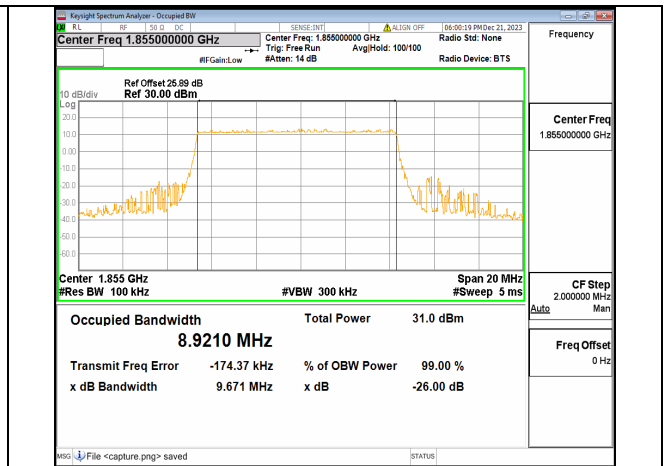
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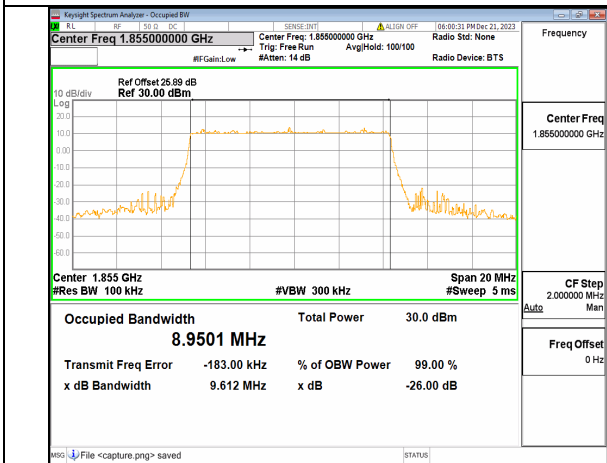
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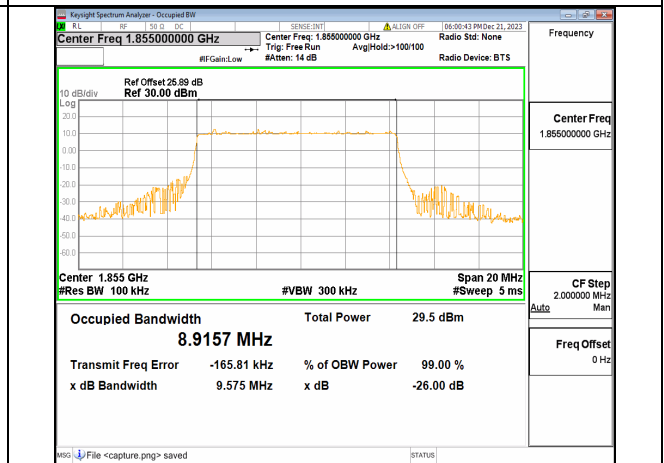
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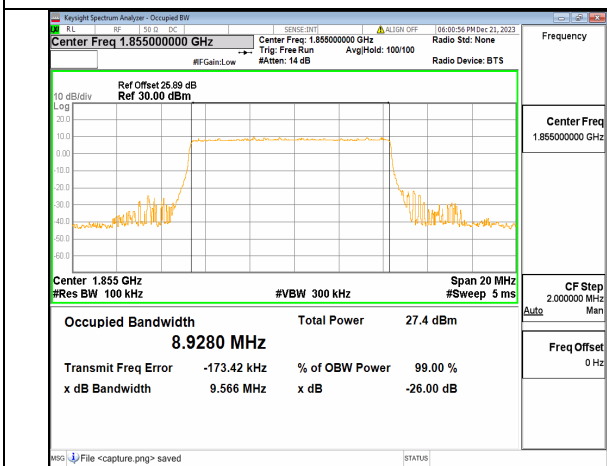
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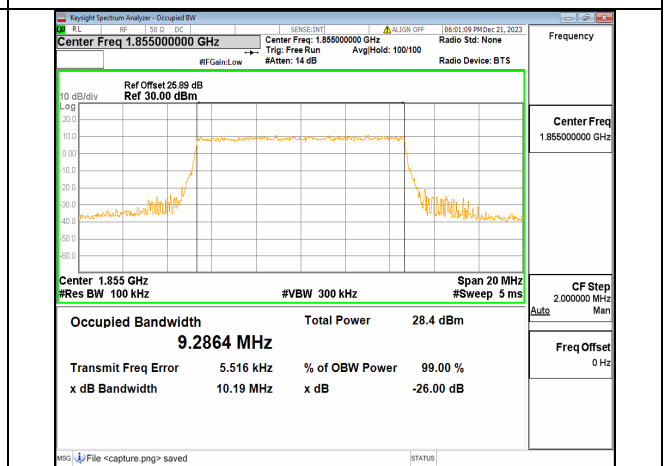
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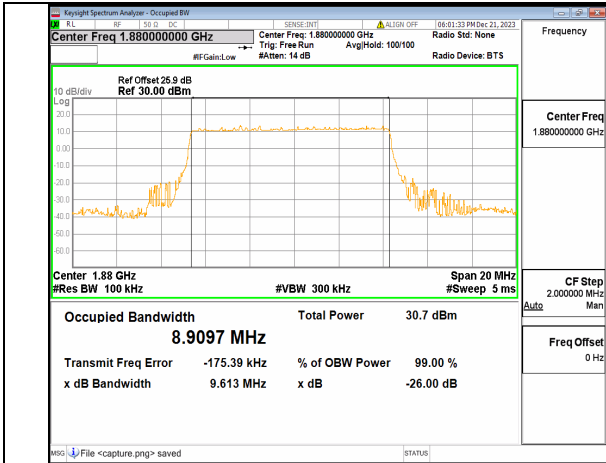
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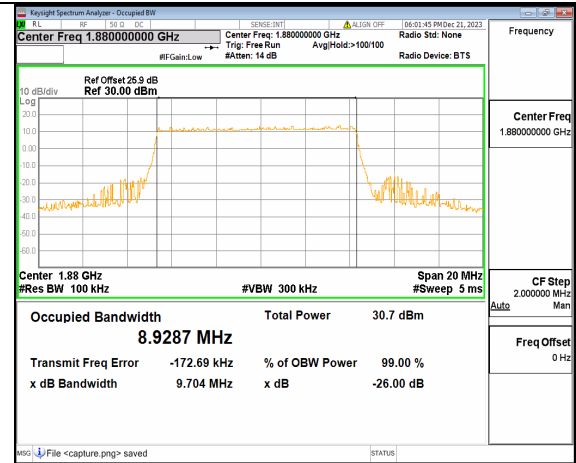
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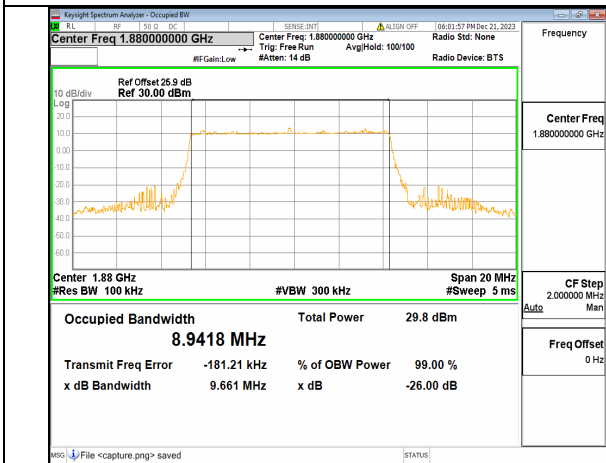
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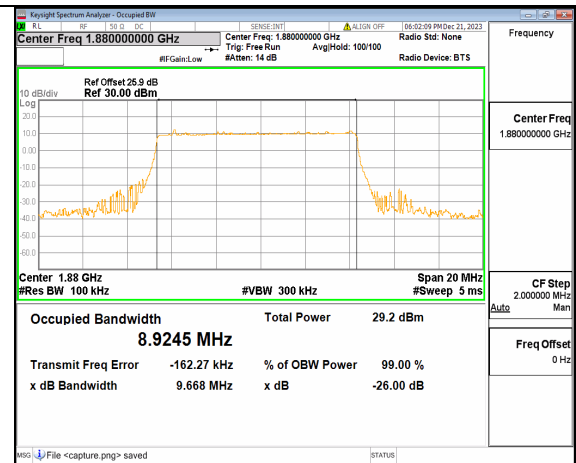
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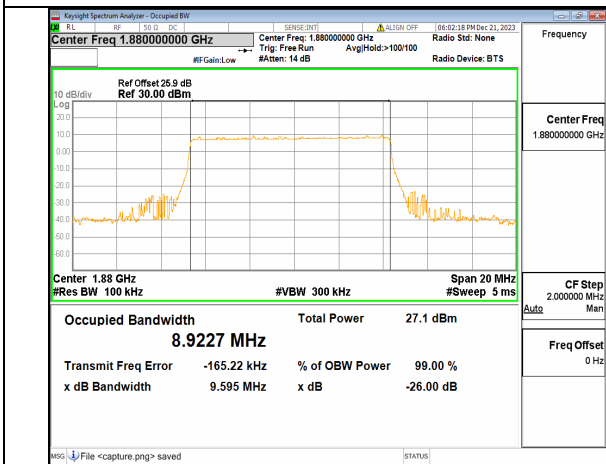
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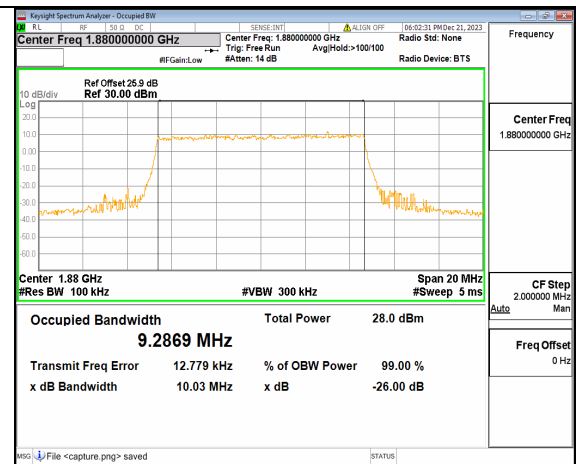
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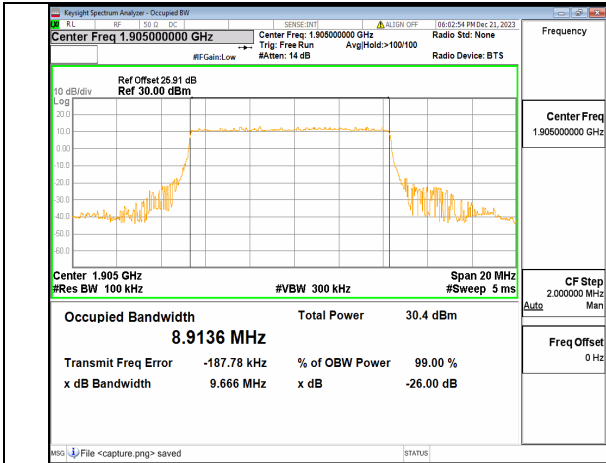
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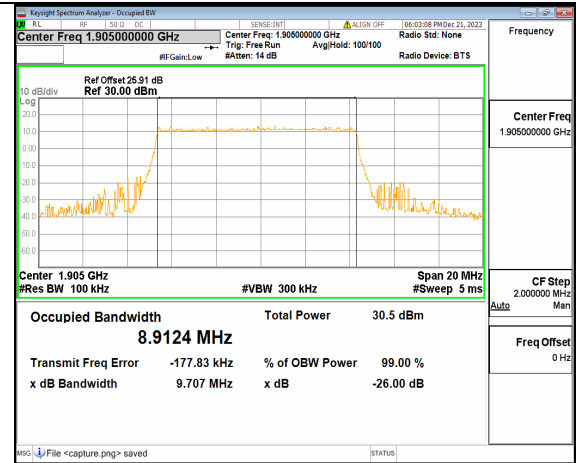
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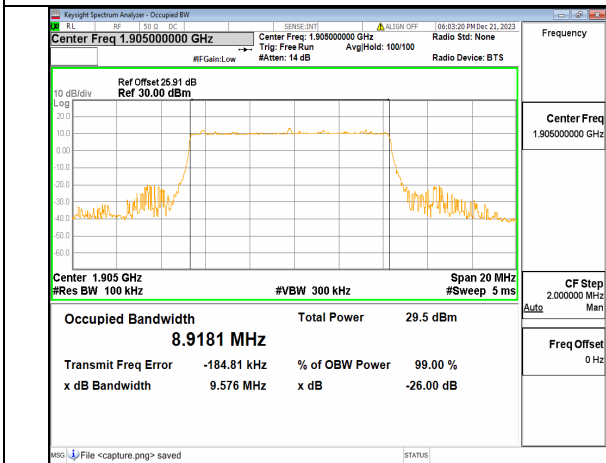
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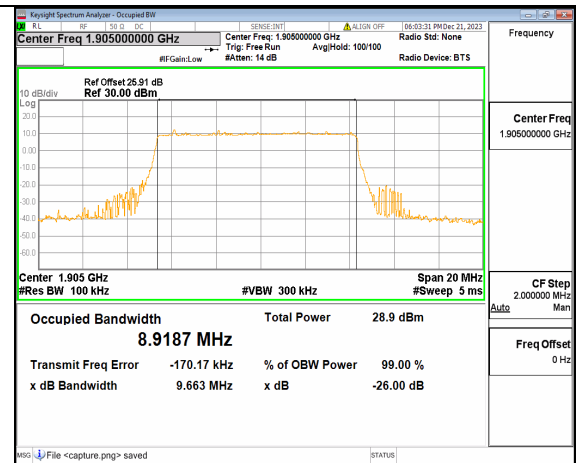
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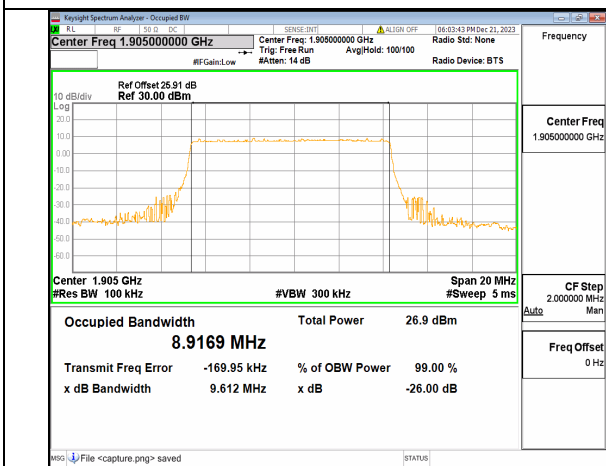
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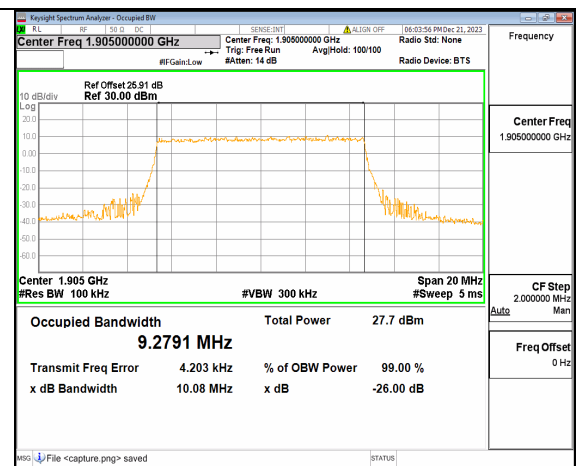
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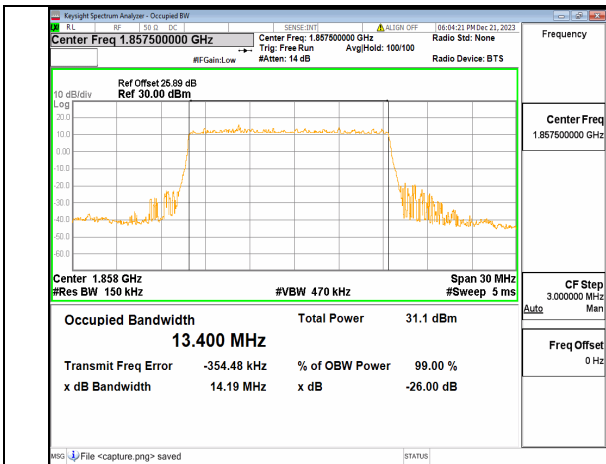
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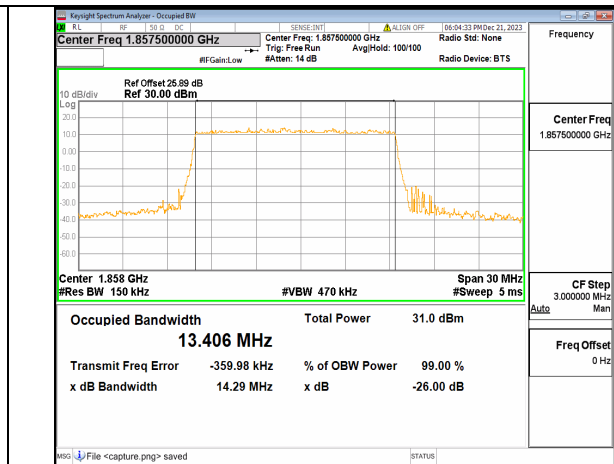
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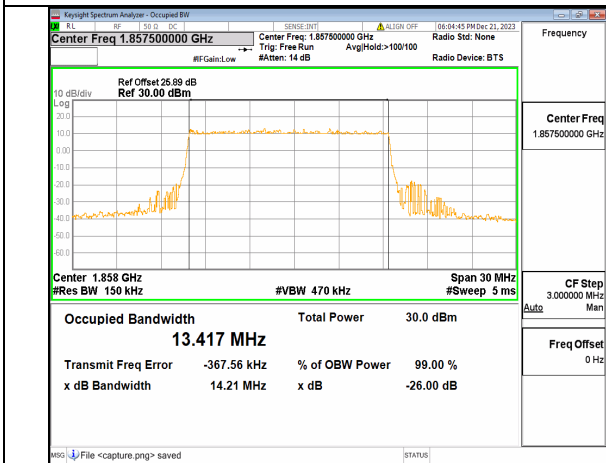
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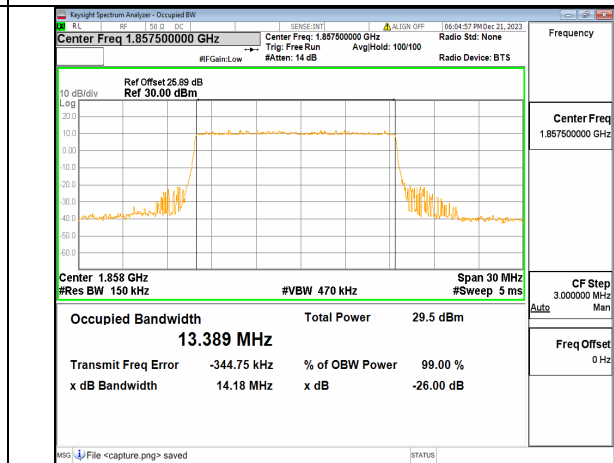
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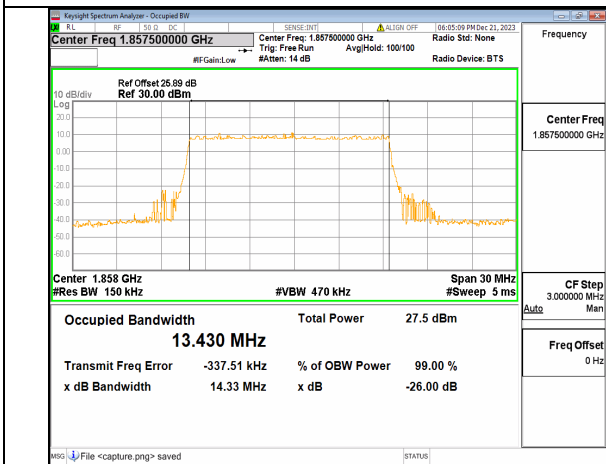
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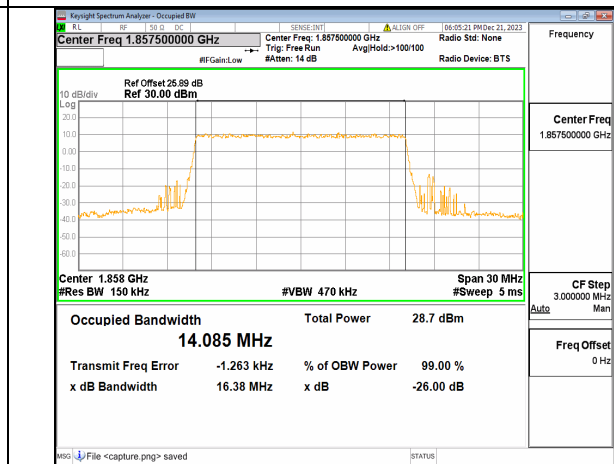
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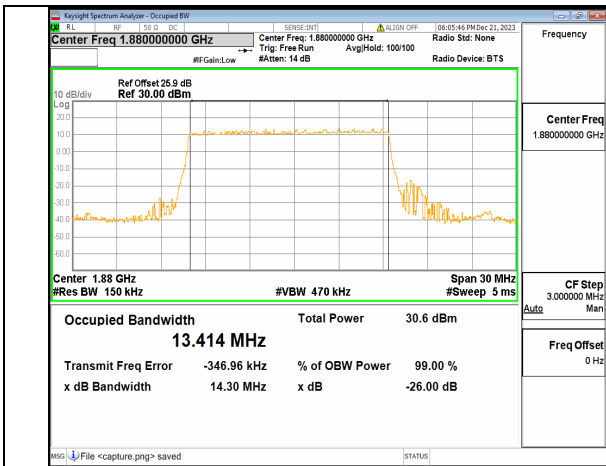
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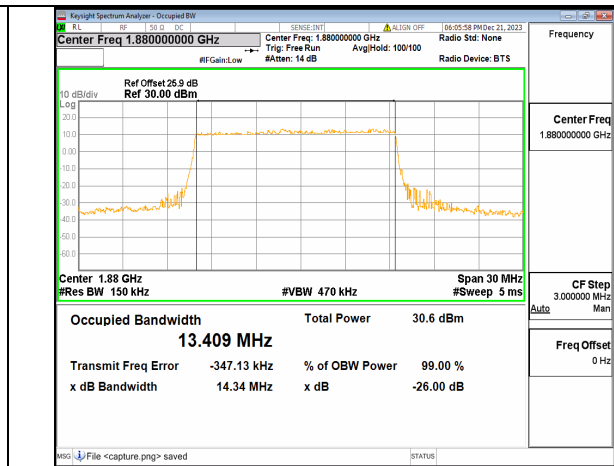
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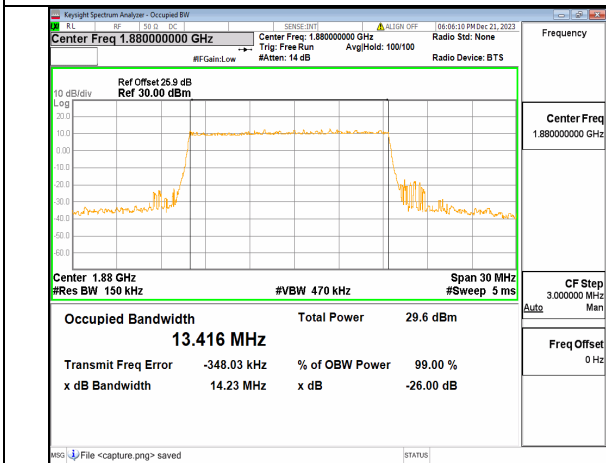
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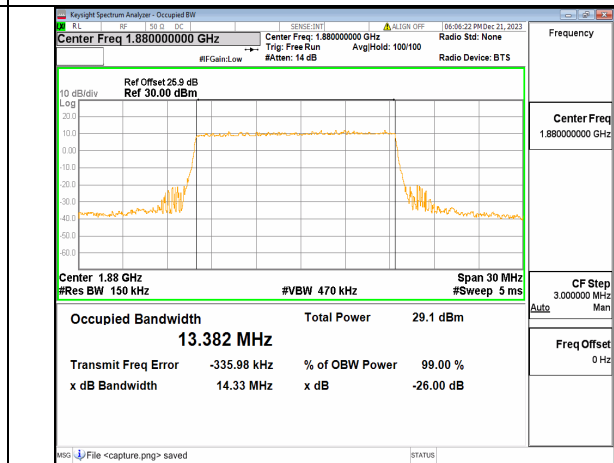
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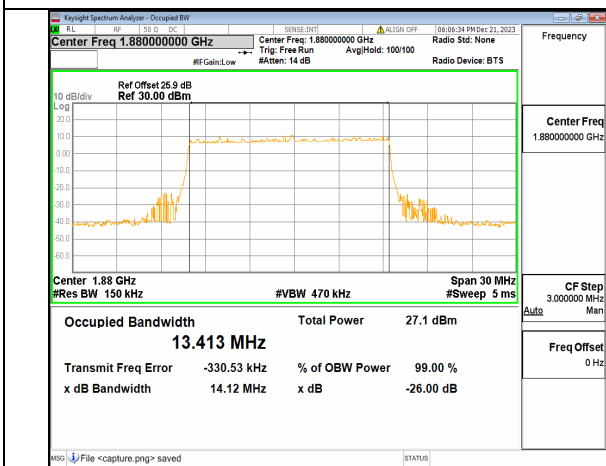
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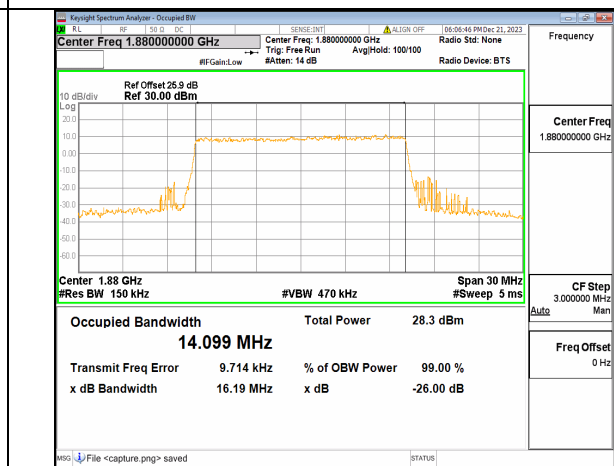
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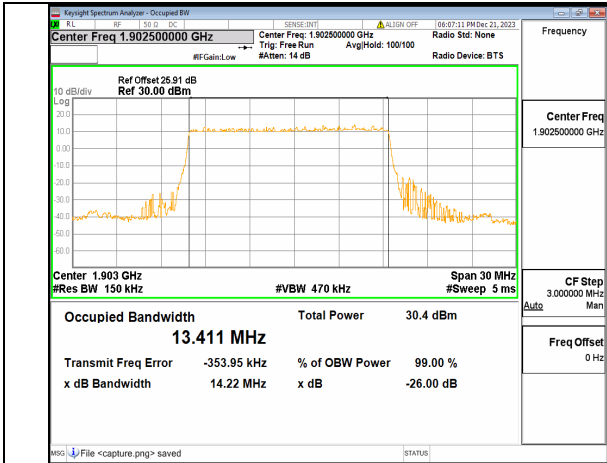
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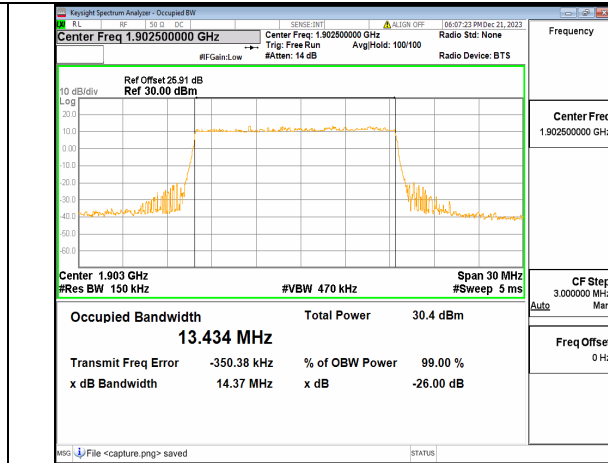
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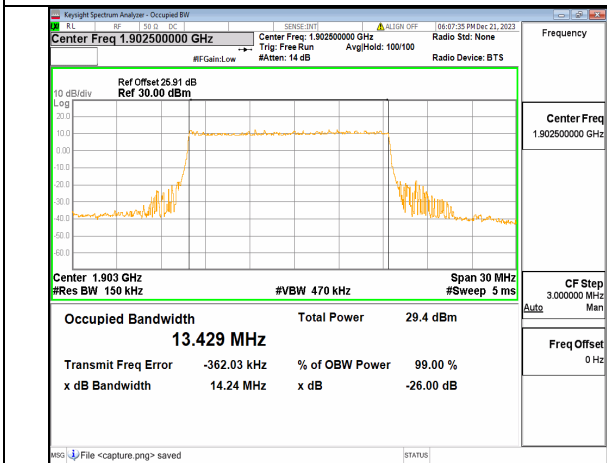
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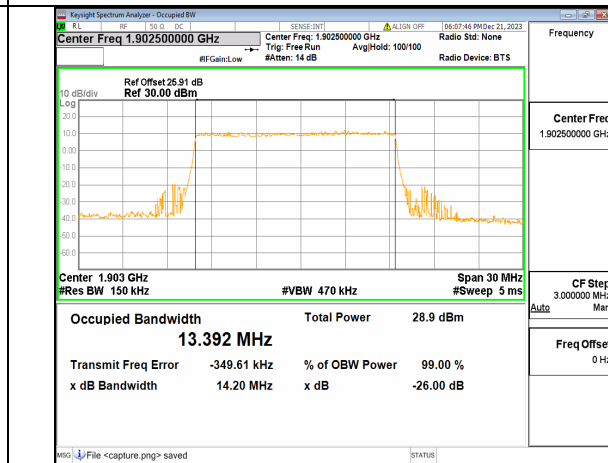
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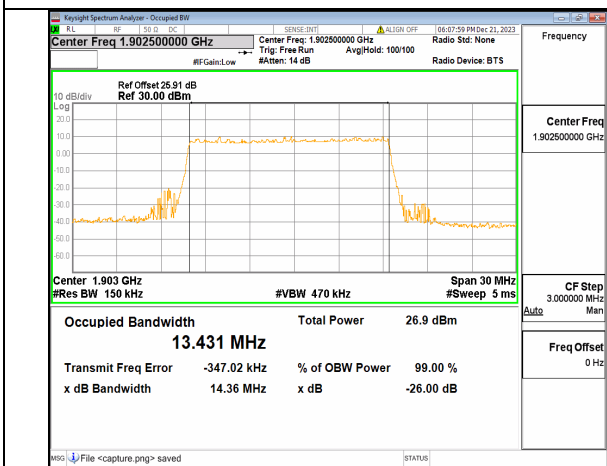
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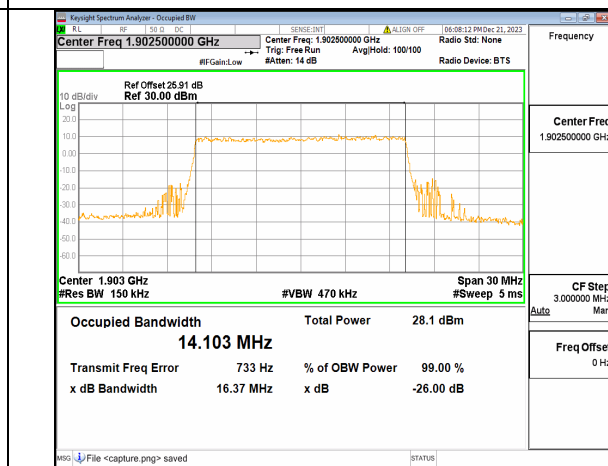
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n2 15M DFT-s-OFDM 64QAM Outer_Full High



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



n2 15M CP-OFDM QPSK Outer_Full High