TEST REPORT

APPLICANT	:	BLU Products, Inc.
PRODUCT NAME	:	Smart Phone
MODEL NAME	:	F5
BRAND NAME	:	BLU
FCC ID	:	YHLBLU5C
STANDARD(S)	:	47 CFR Part 2 47 CFR Part 22 47 CFR Part 24 47 CFR Part 27
RECEIPT DATE	:	2024-07-12
TEST DATE	:	2024-07-15 to 2024-08-12
ISSUE DATE	:	2024-09-04

Edited by: Liu Yuanxin (Rapporteur)

Approved by: Shen Junsheng (Supervisor)

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Change History		
Version	Date	Reason for change
1.0	2024-09-04	First edition

1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	BLU Products, Inc.
Applicant Address:	8600 NW 36th Street, Suite #300 Miami, FL 33166, USA
Manufacturer:	BLU Products, Inc.
Manufacturer Address:	8600 NW 36th Street, Suite #300 Miami, FL 33166, USA

1.2. Equipment Under Test (EUT) Description

Product Name:	Smart Phone	
Hardware Version:	BL_E115S2_01	
Software Version:	BLU_F0090_V14.0.02.00_GENERIC 12-07-2024	
Sample No.:	15#	
Modulation Type:	DFT-s-OFDM	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM
	CP-OFDM	QPSK, 16QAM, 64QAM, 256QAM
Power Class:	PC2:	n41, n77
	PC3:	n2, n5, n25, n41, n66, n71, n77
EN-DC Band:	n2	DC_5A_n2A, DC_7A_n2A, DC_12A_n2A, DC_13A_n2A, DC_66A_n2A
	n5	DC_66A_n5A
	n41	DC_2A_n41A, DC_4A_n41A, DC_12A_n41A, DC_66A_n41A
	n66	DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_13A_n66A,
	n77	DC_2A_n77A, DC_5A_n77A, DC_7A_n77A, DC_12A_n77A, DC_26A_n77A, DC_66A_n77A
Frequency Range:	n2	Tx: 1850MHz-1910MHz
		Rx: 1930MHz-1990MHz
	n5	Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	n25	Tx: 1850MHz-1915MHz
		Rx: 1930MHz-1995MHz
	n41	Tx: 2496MHz-2690MHz

		Rx: 2496MHz-2690MHz
	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
Channel Bandwidth	n2	5MHz, 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz
	n5	5MHz, 10MHz, 15MHz, 20MHz, 25MHz
	n25	5MHz, 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz
	n41	10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz
	n66	5MHz, 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz
	n71	5MHz, 10MHz, 15MHz, 20MHz
	n77	10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz, 50MHz , 60MHz, 70MHz, 80MHz, 90MHz, 100MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	n2	0.94dBi
	n5	-1.36dBi
	n25	0.94dBi
	n41	0.08dBi
	n66	- 1.94dBi
	n71	-3.26dBi
	n77	-1.83dBi
Accessory Information:	Battery Type	
	Brand Name:	BLU
	Model No.:	C896551500P
	Serial No.:	N/A
	Capacity:	5000mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Huizhou Highpower Technology Co., Ltd.
	AC Adapter	
	Brand Name:	BLU

	Model No.:	US-HJ-2024
	Serial No.:	N/A
	Rated Input:	100-240V~50/60Hz, 0.3A
	Rated Output:	5V⎓2000mA
	Manufacturer:	Shenzhen Huajin Electronics Co., Ltd.
	USB Cable :	
	Model No.:	N/A
	Manufacturer:	N/A

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	/	/	/	4.4828	4M48G7D
	QPSK	24.05	24.99	0.316	4.4913	4M49G7D
	16QAM	/	/	/	4.4873	4M49W7D
	64QAM	/	/	/	4.4991	4M50W7D
	256QAM	/	/	/	4.483	4M48W7D
	CP-QPSK	/	/	/	4.472	4M47G7D
10	PI/2 BPSK	/	/	/	8.9425	8M94G7D
	QPSK	24.15	25.09	0.323	8.9055	8M91G7D
	16QAM	/	/	/	8.9132	8M91W7D
	64QAM	/	/	/	8.9325	8M93W7D
	256QAM	/	/	/	8.9131	8M91W7D
	CP-QPSK	/	/	/	9.2886	9M29G7D
15	PI/2 BPSK	/	/	/	13.422	13M4G7D
	QPSK	24.12	25.06	0.321	13.413	13M4G7D
	16QAM	/	/	/	13.424	13M4W7D
	64QAM	/	/	/	13.41	13M4W7D
	256QAM	/	/	/	13.408	13M4W7D
	CP-QPSK	/	/	/	14.117	14M1G7D
20	PI/2 BPSK	/	/	/	17.877	17M9G7D
	QPSK	24.13	25.07	0.321	17.863	17M9G7D
	16QAM	/	/	/	17.869	17M9W7D
	64QAM	/	/	/	17.884	17M9W7D
	256QAM	/	/	/	17.854	17M9W7D
	CP-QPSK	/	/	/	18.927	18M9G7D
25	PI/2 BPSK	/	/	/	22.869	22M9G7D
	QPSK	24.19	25.13	0.326	22.857	22M9G7D
	16QAM	/	/	/	22.836	22M8W7D
	64QAM	/	/	/	22.88	22M9W7D
	256QAM	/	/	/	22.83	22M8W7D

	CP-QPSK	/	/	/	23.708	23M7G7D
30	PI/2 BPSK	/	/	/	28.563	28M6G7D
	QPSK	24.20	25.14	0.327	28.507	28M5G7D
	16QAM	/	/	/	28.526	28M5W7D
	64QAM	/	/	/	28.549	28M6W7D
	256QAM	/	/	/	28.488	28M5W7D
	CP-QPSK	/	/	/	28.513	28M5G7D
40	PI/2 BPSK	24.14	25.08	0.322	38.493	38M5G7D
	QPSK	24.32	25.26	0.336	38.905	38M9G7D
	16QAM	23.25	24.19	0.262	38.837	38M8W7D
	64QAM	21.39	22.33	0.171	38.873	38M9W7D
	256QAM	19.65	20.59	0.115	38.819	38M8W7D
	CP-QPSK	22.73	23.67	0.233	38.52	38M5G7D

n5						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4826	4M48G7D
	QPSK	23.75	20.24	0.106	4.4911	4M49G7D
	16QAM	/	/	/	4.4833	4M48W7D
	64QAM	/	/	/	4.4936	4M49W7D
	256QAM	/	/	/	4.4886	4M49W7D
	CP-QPSK	/	/	/	4.476	4M48G7D
10	PI/2 BPSK	/	/	/	8.9395	8M94G7D
	QPSK	23.81	20.30	0.107	8.9115	8M91G7D
	16QAM	/	/	/	8.914	8M91W7D
	64QAM	/	/	/	8.9306	8M93W7D
	256QAM	/	/	/	8.9168	8M92W7D
	CP-QPSK	/	/	/	9.2786	9M28G7D
15	PI/2 BPSK	/	/	/	13.411	13M4G7D
	QPSK	23.76	20.25	0.106	13.403	13M4G7D
	16QAM	/	/	/	13.407	13M4W7D
	64QAM	/	/	/	13.409	13M4W7D
	256QAM	/	/	/	13.393	13M4W7D
	CP-QPSK	/	/	/	14.106	14M1G7D

20	PI/2 BPSK	23.70	20.19	0.104	17.858	17M9G7D
	QPSK	23.86	20.35	0.108	17.847	17M9G7D
	16QAM	22.75	19.24	0.084	17.85	17M9W7D
	64QAM	20.88	17.37	0.055	17.86	17M9W7D
	256QAM	19.07	15.56	0.036	17.841	17M8W7D
	CP-QPSK	22.16	18.65	0.073	18.89	18M9G7D

n25						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4839	4M48G7D
	QPSK	24.15	25.09	0.323	4.4886	4M49G7D
	16QAM	/	/	/	4.4839	4M48W7D
	64QAM	/	/	/	4.4982	4M50W7D
	256QAM	/	/	/	4.4821	4M48W7D
	CP-QPSK	/	/	/	4.4772	4M48G7D
10	PI/2 BPSK	/	/	/	8.9389	8M94G7D
	QPSK	24.23	25.17	0.329	8.9095	8M91G7D
	16QAM	/	/	/	8.906	8M91W7D
	64QAM	/	/	/	8.9296	8M93W7D
	256QAM	/	/	/	8.9146	8M91W7D
	CP-QPSK	/	/	/	9.2731	9M27G7D
15	PI/2 BPSK	/	/	/	13.414	13M4G7D
	QPSK	24.21	25.15	0.327	13.406	13M4G7D
	16QAM	/	/	/	13.401	13M4W7D
	64QAM	/	/	/	13.416	13M4W7D
	256QAM	/	/	/	13.395	13M4W7D
	CP-QPSK	/	/	/	14.109	14M1G7D
20	PI/2 BPSK	/	/	/	17.863	17M9G7D
	QPSK	24.18	25.12	0.325	17.994	18M0G7D
	16QAM	/	/	/	17.861	17M9W7D
	64QAM	/	/	/	17.886	17M9W7D
	256QAM	/	/	/	17.854	17M9W7D
	CP-QPSK	/	/	/	18.917	18M9G7D
25	PI/2 BPSK	/	/	/	22.863	22M9G7D
	QPSK	24.18	25.12	0.325	22.836	22M8G7D

	16QAM	/	/	/	22.831	22M8W7D
	64QAM	/	/	/	22.849	22M9W7D
	256QAM	/	/	/	22.808	22M8W7D
	CP-QPSK	/	/	/	23.7	23M7G7D
30	PI/2 BPSK	/	/	/	28.531	28M5G7D
	QPSK	24.25	25.19	0.330	28.48	28M5G7D
	16QAM	/	/	/	28.756	28M8W7D
	64QAM	/	/	/	28.717	28M7W7D
	256QAM	/	/	/	28.491	28M5W7D
	CP-QPSK	/	/	/	28.526	28M5G7D
40	PI/2 BPSK	24.21	25.15	0.327	38.725	38M7G7D
	QPSK	24.39	25.33	0.341	38.887	38M9G7D
	16QAM	23.34	24.28	0.268	38.751	38M8W7D
	64QAM	21.56	22.50	0.178	38.926	38M9W7D
	256QAM	19.75	20.69	0.117	38.793	38M8W7D
	CP-QPSK	22.79	23.73	0.236	38.791	38M8G7D

n41（PC2）						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.5989	8M60G7D
	QPSK	25.49	25.57	0.361	8.6137	8M61G7D
	16QAM	/	/	/	8.6038	8M60W7D
	64QAM	/	/	/	8.6047	8M60W7D
	256QAM	/	/	/	8.5947	8M59W7D
	CP-QPSK	/	/	/	8.5843	8M58G7D
15	PI/2 BPSK	/	/	/	12.903	12M9G7D
	QPSK	25.46	25.54	0.358	12.881	12M9G7D
	16QAM	/	/	/	12.87	12M9W7D
	64QAM	/	/	/	12.894	12M9W7D
	256QAM	/	/	/	12.842	12M8W7D
	CP-QPSK	/	/	/	12.871	12M9G7D
20	PI/2 BPSK	/	/	/	17.866	17M9G7D
	QPSK	25.45	25.53	0.357	17.863	17M9G7D
	16QAM	/	/	/	17.814	17M8W7D
	64QAM	/	/	/	17.857	17M9W7D

	256QAM	/	/	/	17.822	17M8W7D
	CP-QPSK	/	/	/	17.843	17M8G7D
30	PI/2 BPSK	/	/	/	26.812	26M8G7D
	QPSK	25.47	25.55	0.359	26.812	26M8G7D
	16QAM	/	/	/	26.805	26M8W7D
	64QAM	/	/	/	26.814	26M8W7D
	256QAM	/	/	/	26.802	26M8W7D
	CP-QPSK	/	/	/	26.839	26M8G7D
40	PI/2 BPSK	/	/	/	35.753	35M8G7D
	QPSK	25.52	25.60	0.363	35.755	35M8G7D
	16QAM	/	/	/	35.754	35M8W7D
	64QAM	/	/	/	35.758	35M8W7D
	256QAM	/	/	/	35.71	35M7W7D
	CP-QPSK	/	/	/	35.728	35M7G7D
50	PI/2 BPSK	/	/	/	45.737	45M7G7D
	QPSK	25.53	25.61	0.364	45.656	45M7G7D
	16QAM	/	/	/	45.659	45M7W7D
	64QAM	/	/	/	45.694	45M7W7D
	256QAM	/	/	/	45.642	45M6W7D
	CP-QPSK	/	/	/	45.705	45M7G7D
60	PI/2 BPSK	/	/	/	57.813	57M8G7D
	QPSK	25.40	25.48	0.353	57.827	57M8G7D
	16QAM	/	/	/	57.783	57M8W7D
	64QAM	/	/	/	57.83	57M8W7D
	256QAM	/	/	/	57.774	57M8W7D
	CP-QPSK	/	/	/	57.781	57M8G7D
70	PI/2 BPSK	/	/	/	64.221	64M2G7D
	QPSK	25.37	25.45	0.351	64.185	64M2G7D
	16QAM	/	/	/	64.139	64M1W7D
	64QAM	/	/	/	64.294	64M3W7D
	256QAM	/	/	/	64.26	64M3W7D
	CP-QPSK	/	/	/	64.201	64M2G7D
80	PI/2 BPSK	/	/	/	77.12	77M1G7D
	QPSK	25.38	25.46	0.352	76.985	77M0G7D
	16QAM	/	/	/	76.891	76M9W7D
	64QAM	/	/	/	77.117	77M1W7D
	256QAM	/	/	/	76.988	77M0W7D

	CP-QPSK	/	/	/	76.985	77M0G7D
90	PI/2 BPSK	/	/	/	86.785	86M8G7D
	QPSK	25.43	25.51	0.356	86.648	86M7G7D
	16QAM	/	/	/	86.613	86M6W7D
	64QAM	/	/	/	86.683	86M7W7D
	256QAM	/	/	/	86.789	86M8W7D
	CP-QPSK	/	/	/	86.686	86M7G7D
100	PI/2 BPSK	25.83	25.91	0.390	96.374	96M4G7D
	QPSK	25.89	25.97	0.395	96.346	96M3G7D
	16QAM	24.77	24.85	0.305	96.245	96M3W7D
	64QAM	23.14	23.22	0.210	96.259	96M3W7D
	256QAM	22.94	23.02	0.200	96.313	96M3W7D
	CP-QPSK	23.95	24.03	0.253	96.337	96M3G7D

n41（PC3）						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	22.49	22.57	0.181	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
15	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	22.46	22.54	0.179	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
20	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	22.45	22.53	0.179	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
30	PI/2 BPSK	/	/	/	N/A	N/A

	QPSK	22.47	22.55	0.180	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
40	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	22.52	22.60	0.182	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
50	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	22.53	22.61	0.182	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
60	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	22.40	22.48	0.177	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
70	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	22.37	22.45	0.176	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
80	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	22.38	22.46	0.176	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
90	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	22.43	22.51	0.178	N/A	N/A

	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
100	PI/2 BPSK	22.83	22.91	0.195	N/A	N/A
	QPSK	23.36	23.44	0.221	N/A	N/A
	16QAM	21.77	21.85	0.153	N/A	N/A
	64QAM	20.14	20.22	0.105	N/A	N/A
	256QAM	19.94	20.02	0.100	N/A	N/A
	CP-QPSK	20.95	21.03	0.127	N/A	N/A

n66						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4812	4M48G7D
	QPSK	24.10	22.16	0.164	4.4889	4M49G7D
	16QAM	/	/	/	4.4808	4M48W7D
	64QAM	/	/	/	4.4946	4M49W7D
	256QAM	/	/	/	4.488	4M49W7D
	CP-QPSK	/	/	/	4.4762	4M48G7D
10	PI/2 BPSK	/	/	/	8.9354	8M94G7D
	QPSK	24.09	22.15	0.164	8.9064	8M91G7D
	16QAM	/	/	/	8.9027	8M90W7D
	64QAM	/	/	/	8.9267	8M93W7D
	256QAM	/	/	/	8.9118	8M91W7D
	CP-QPSK	/	/	/	9.2855	9M29G7D
15	PI/2 BPSK	/	/	/	13.403	13M4G7D
	QPSK	24.11	22.17	0.165	13.398	13M4G7D
	16QAM	/	/	/	13.415	13M4W7D
	64QAM	/	/	/	13.406	13M4W7D
	256QAM	/	/	/	13.386	13M4W7D
	CP-QPSK	/	/	/	14.102	14M1G7D
20	PI/2 BPSK	/	/	/	17.871	17M9G7D
	QPSK	24.22	22.28	0.169	17.858	17M9G7D
	16QAM	/	/	/	17.864	17M9W7D

	64QAM	/	/	/	17.886	17M9W7D
	256QAM	/	/	/	17.856	17M9W7D
	CP-QPSK	/	/	/	18.909	18M9G7D
25	PI/2 BPSK	/	/	/	22.883	22M9G7D
	QPSK	24.27	22.33	0.171	22.863	22M9G7D
	16QAM	/	/	/	22.835	22M8W7D
	64QAM	/	/	/	22.869	22M9W7D
	256QAM	/	/	/	22.828	22M8W7D
	CP-QPSK	/	/	/	23.715	23M7G7D
30	PI/2 BPSK	/	/	/	28.562	28M6G7D
	QPSK	24.28	22.34	0.171	28.526	28M5G7D
	16QAM	/	/	/	28.555	28M6W7D
	64QAM	/	/	/	28.585	28M6W7D
	256QAM	/	/	/	28.506	28M5W7D
	CP-QPSK	/	/	/	28.558	28M6G7D
40	PI/2 BPSK	24.25	22.31	0.170	38.529	38M5G7D
	QPSK	24.43	22.49	0.177	38.535	38M5G7D
	16QAM	23.11	21.17	0.131	38.474	38M5W7D
	64QAM	21.31	19.37	0.086	38.582	38M6W7D
	256QAM	19.61	17.67	0.058	38.504	38M5W7D
	CP-QPSK	22.61	20.67	0.117	38.559	38M6G7D

n71						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4854	4M49G7D
	QPSK	24.08	18.67	0.074	4.492	4M49G7D
	16QAM	/	/	/	4.4816	4M48W7D
	64QAM	/	/	/	4.4994	4M50W7D
	256QAM	/	/	/	4.4893	4M49W7D
	CP-QPSK	/	/	/	4.4744	4M47G7D
10	PI/2 BPSK	/	/	/	8.949	8M95G7D
	QPSK	24.19	18.78	0.076	8.916	8M92G7D
	16QAM	/	/	/	8.935	8M94W7D
	64QAM	/	/	/	8.9363	8M94W7D

	256QAM	/	/	/	8.9304	8M93W7D
	CP-QPSK	/	/	/	9.2843	9M28G7D
15	PI/2 BPSK	/	/	/	13.454	13M5G7D
	QPSK	23.97	18.56	0.072	13.432	13M4G7D
	16QAM	/	/	/	13.438	13M4W7D
	64QAM	/	/	/	13.446	13M5W7D
	256QAM	/	/	/	13.422	13M4W7D
	CP-QPSK	/	/	/	14.141	14M1G7D
20	PI/2 BPSK	23.93	18.52	0.071	17.867	17M9G7D
	QPSK	24.08	18.67	0.074	17.877	17M9G7D
	16QAM	23.08	17.67	0.058	17.882	17M9W7D
	64QAM	21.20	15.79	0.038	17.879	17M9W7D
	256QAM	19.33	13.92	0.025	17.865	17M9W7D
	CP-QPSK	22.48	17.07	0.051	18.927	18M9G7D

n77(3450-3550MHz)(PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.5931	8M59G7D
	QPSK	26.67	24.84	0.305	8.6024	8M60G7D
	16QAM	/	/	/	8.5842	8M58W7D
	64QAM	/	/	/	8.6061	8M61W7D
	256QAM	/	/	/	8.5673	8M57W7D
	CP-QPSK	/	/	/	8.5801	8M58G7D
15	PI/2 BPSK	/	/	/	12.887	12M9G7D
	QPSK	26.69	24.86	0.306	12.869	12M9G7D
	16QAM	/	/	/	12.856	12M9W7D
	64QAM	/	/	/	12.894	12M9W7D
	256QAM	/	/	/	12.841	12M8W7D
	CP-QPSK	/	/	/	12.847	12M9G7D
20	PI/2 BPSK	/	/	/	17.86	17M9G7D
	QPSK	26.70	24.87	0.307	17.863	17M9G7D
	16QAM	/	/	/	17.84	17M8W7D
	64QAM	/	/	/	17.859	17M9W7D
	256QAM	/	/	/	17.816	17M8W7D

	CP-QPSK	/	/	/	17.86	17M9G7D
25	PI/2 BPSK	/	/	/	22.911	22M9G7D
	QPSK	26.60	24.77	0.300	22.902	22M9G7D
	16QAM	/	/	/	22.852	22M9W7D
	64QAM	/	/	/	22.857	22M9W7D
	256QAM	/	/	/	22.831	22M8W7D
	CP-QPSK	/	/	/	22.827	22M8G7D
30	PI/2 BPSK	/	/	/	26.799	26M8G7D
	QPSK	26.63	24.80	0.302	26.832	26M8G7D
	16QAM	/	/	/	26.817	26M8W7D
	64QAM	/	/	/	26.831	26M8W7D
	256QAM	/	/	/	28.497	28M5W7D
	CP-QPSK	/	/	/	26.768	26M8G7D
40	PI/2 BPSK	/	/	/	35.781	35M8G7D
	QPSK	26.59	24.76	0.299	35.764	35M8G7D
	16QAM	/	/	/	35.758	35M8W7D
	64QAM	/	/	/	35.794	35M8W7D
	256QAM	/	/	/	35.724	35M7W7D
	CP-QPSK	/	/	/	35.68	35M7G7D
50	PI/2 BPSK	/	/	/	45.74	45M7G7D
	QPSK	26.51	24.68	0.294	45.691	45M7G7D
	16QAM	/	/	/	45.676	45M7W7D
	64QAM	/	/	/	45.714	45M7W7D
	256QAM	/	/	/	45.665	45M7W7D
	CP-QPSK	/	/	/	45.68	45M7G7D
60	PI/2 BPSK	/	/	/	57.835	57M8G7D
	QPSK	26.57	24.74	0.298	57.956	58M0G7D
	16QAM	/	/	/	57.848	57M9W7D
	64QAM	/	/	/	57.861	57M9W7D
	256QAM	/	/	/	57.713	57M7W7D
	CP-QPSK	/	/	/	57.701	57M7G7D
70	PI/2 BPSK	/	/	/	64.23	64M2G7D
	QPSK	26.79	24.96	0.313	64.153	64M2G7D
	16QAM	/	/	/	64.248	64M3W7D
	64QAM	/	/	/	64.317	64M3W7D
	256QAM	/	/	/	64.178	64M2W7D
	CP-QPSK	/	/	/	64.186	64M2G7D

80	PI/2 BPSK	/	/	/	77.035	77M0G7D
	QPSK	26.67	24.84	0.305	77.084	77M1G7D
	16QAM	/	/	/	76.896	76M9W7D
	64QAM	/	/	/	77.101	77M1W7D
	256QAM	/	/	/	76.96	77M0W7D
	CP-QPSK	/	/	/	76.978	77M0G7D
90	PI/2 BPSK	/	/	/	86.715	86M7G7D
	QPSK	26.70	24.87	0.307	86.81	86M8G7D
	16QAM	/	/	/	86.572	86M6W7D
	64QAM	/	/	/	86.677	86M7W7D
	256QAM	/	/	/	86.739	86M7W7D
	CP-QPSK	/	/	/	86.673	86M7G7D
100	PI/2 BPSK	26.64	24.81	0.303	96.316	96M3G7D
	QPSK	27.05	25.22	0.333	96.113	96M1G7D
	16QAM	25.85	24.02	0.252	96.151	96M2W7D
	64QAM	24.33	22.50	0.178	96.261	96M3W7D
	256QAM	22.27	20.44	0.111	96.209	96M2W7D
	CP-QPSK	25.07	23.24	0.211	96.182	96M2G7D

n77(3700-3980MHz)(PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.6166	8M62G7D
	QPSK	26.24	24.41	0.276	8.5848	8M58G7D
	16QAM	/	/	/	8.588	8M59W7D
	64QAM	/	/	/	8.6064	8M61W7D
	256QAM	/	/	/	8.5794	8M58W7D
	CP-QPSK	/	/	/	8.5695	8M57G7D
15	PI/2 BPSK	/	/	/	12.856	12M9G7D
	QPSK	26.31	24.48	0.281	12.863	12M9G7D
	16QAM	/	/	/	12.868	12M9W7D
	64QAM	/	/	/	12.892	12M9W7D
	256QAM	/	/	/	12.878	12M9W7D
	CP-QPSK	/	/	/	12.86	12M9G7D
20	PI/2 BPSK	/	/	/	17.864	17M9G7D
	QPSK	26.25	24.42	0.277	17.841	17M8G7D

	16QAM	/	/	/	17.825	17M8W7D
	64QAM	/	/	/	17.846	17M9W7D
	256QAM	/	/	/	17.824	17M8W7D
	CP-QPSK	/	/	/	17.872	17M9G7D
25	PI/2 BPSK	/	/	/	22.874	22M9G7D
	QPSK	26.31	24.48	0.281	22.84	22M8G7D
	16QAM	/	/	/	22.89	22M9W7D
	64QAM	/	/	/	22.866	22M9W7D
	256QAM	/	/	/	22.855	22M9W7D
	CP-QPSK	/	/	/	22.857	22M9G7D
30	PI/2 BPSK	/	/	/	26.787	26M8G7D
	QPSK	26. 43	24.60	0.288	26.789	26M8G7D
	16QAM	/	/	/	26.797	26M8W7D
	64QAM	/	/	/	26.831	26M8W7D
	256QAM	/	/	/	26.773	26M8W7D
	CP-QPSK	/	/	/	26.794	26M8G7D
40	PI/2 BPSK	/	/	/	35.786	35M8G7D
	QPSK	26.28	24.45	0.279	35.785	35M8G7D
	16QAM	/	/	/	35.794	35M8W7D
	64QAM	/	/	/	35.794	35M8W7D
	256QAM	/	/	/	35.764	35M8W7D
	CP-QPSK	/	/	/	35.703	35M7G7D
50	PI/2 BPSK	/	/	/	45.742	45M7G7D
	QPSK	26.26	24.43	0.277	45.771	45M8G7D
	16QAM	/	/	/	45.706	45M7W7D
	64QAM	/	/	/	45.759	45M8W7D
	256QAM	/	/	/	45.67	45M7W7D
	CP-QPSK	/	/	/	45.687	45M7G7D
60	PI/2 BPSK	/	/	/	57.96	58M0G7D
	QPSK	26.11	24.28	0.268	57.853	57M9G7D
	16QAM	/	/	/	57.808	57M8W7D
	64QAM	/	/	/	57.89	57M9W7D
	256QAM	/	/	/	57.823	57M8W7D
	CP-QPSK	/	/	/	57.74	57M7G7D
70	PI/2 BPSK	/	/	/	64.284	64M3G7D
	QPSK	26.13	24.30	0.269	64.282	64M3G7D
	16QAM	/	/	/	64.304	64M3W7D

	64QAM	/	/	/	64.313	64M3W7D
	256QAM	/	/	/	64.209	64M2W7D
	CP-QPSK	/	/	/	64.175	64M2G7D
80	PI/2 BPSK	/	/	/	77.237	77M2G7D
	QPSK	26.17	24.34	0.272	77.063	77M1G7D
	16QAM	/	/	/	77.026	77M0W7D
	64QAM	/	/	/	77.093	77M1W7D
	256QAM	/	/	/	77.008	77M0W7D
	CP-QPSK	/	/	/	76.98	77M0G7D
90	PI/2 BPSK	/	/	/	86.713	86M7G7D
	QPSK	26.15	24.32	0.270	86.712	86M7G7D
	16QAM	/	/	/	86.577	86M6W7D
	64QAM	/	/	/	86.907	86M9W7D
	256QAM	/	/	/	86.819	86M8W7D
	CP-QPSK	/	/	/	86.654	86M7G7D
100	PI/2 BPSK	26.32	24.49	0.281	96.404	96M4G7D
	QPSK	26.34	24.51	0.282	96.351	96M4G7D
	16QAM	25.43	23.60	0.229	96.301	96M3W7D
	64QAM	24.09	22.26	0.168	96.306	96M3W7D
	256QAM	21.70	19.87	0.097	96.32	96M3W7D
	CP-QPSK	24.56	22.73	0.187	96.271	96M3G7D

n77(3450-3550MHz)(PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.67	21.84	0.153	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
15	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.69	21.86	0.153	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A

	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
20	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.70	21.87	0.154	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
25	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.60	21.77	0.150	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
30	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.63	21.80	0.151	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
40	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.59	21.76	0.150	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
50	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.51	21.68	0.147	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
60	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.57	21.74	0.149	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A

	CP-QPSK	/	/	/	N/A	N/A
70	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.79	21.96	0.157	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
80	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.67	21.84	0.153	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
90	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.70	21.87	0.154	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
100	PI/2 BPSK	23.64	21.81	0.152	N/A	N/A
	QPSK	24.05	22.22	0.167	N/A	N/A
	16QAM	22.85	21.02	0.126	N/A	N/A
	64QAM	21.33	19.50	0.089	N/A	N/A
	256QAM	19.27	17.44	0.055	N/A	N/A
	CP-QPSK	22.07	20.24	0.106	N/A	N/A

n77(3700-3980MHz)(PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.24	21.41	0.138	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
15	PI/2 BPSK	/	/	/	N/A	N/A

	QPSK	23.31	21.48	0.141	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
20	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.25	21.42	0.139	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
25	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.31	21.48	0.141	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
30	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.43	21.60	0.145	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
40	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.28	21.45	0.140	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
50	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.26	21.43	0.139	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
60	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.11	21.28	0.134	N/A	N/A

	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
70	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.13	21.30	0.135	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
80	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.17	21.34	0.136	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
90	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.15	21.32	0.136	N/A	N/A
	16QAM	/	/	/	N/A	N/A
	64QAM	/	/	/	N/A	N/A
	256QAM	/	/	/	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A
100	PI/2 BPSK	23.38	21.55	0.143	N/A	N/A
	QPSK	23.72	21.89	0.155	N/A	N/A
	16QAM	22.43	20.60	0.115	N/A	N/A
	64QAM	21.09	19.26	0.084	N/A	N/A
	256QAM	20.70	18.87	0.077	N/A	N/A
	CP-QPSK	21.56	19.73	0.094	N/A	N/A

1.4. Test Standards and Results

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

No	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22	Public Mobile Services
3	47 CFR Part 24	Personal Communications Services
4	47 CFR Part 27	Miscellaneous Wireless Communications Services

n2 & n25			
Item	**FCC Rule No.**	**Requirements**	**Result**
Effective (Isotropic) Radiated Power Output Data	§2.1046, §24.232(c)	EIRP ≤ 2 W	PASS
Peak-Average Ratio	§24.232(d)	Limit≤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)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §24.238(a)	≤ -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			
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”.

n41(2496~2690MHz)			
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”.

n66			
Item	**FCC Rule No.**	**Requirements**	**Result**
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)(4)	EIRP ≤1 W	PASS
Peak-Average Ratio	§27.50(d) (5)	Limit≤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)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(h)(1)	≤ -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 ≤ 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)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(g)	≤ -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)			
Item	**FCC Rule No.**	**Requirements**	**Result**
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(K)(3)	EIRP ≤ 1W	PASS
Peak-Average Ratio	§27.50(K)(4)	≤ 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)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(l)(2)	≤ -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)			
Item	**FCC Rule No.**	**Requirements**	**Result**
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(j)(3)	EIRP ≤ 1W	PASS
Peak-Average Ratio	§27.50(j)(4)	≤ 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)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(m)(4)	≤ -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	Gan Jing	PASS	Nodeviation
Occupied Bandwidth	Gan Jing	PASS	Nodeviation
Frequency Stability	Gan Jing	PASS	Nodeviation
Peak to Average Radio	Gan Jing	PASS	Nodeviation
Conducted Spurious Emissions	Gan Jing	PASS	Nodeviation
Band Edge	Gan Jing	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
Atmospheric Pressure (kPa):	86-106

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.

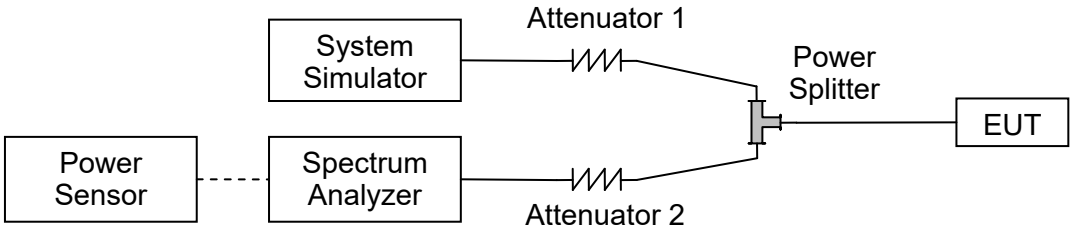
According to FCC section 22.913 (a)(5) for n5, the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

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

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

2.1.2. Test Description



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

2.1.3. Test procedure

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

2.1.4. Conducted Output Power

n2						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				374000	376000	378000
Frequency (MHz)				1870	1880	1890
40	DFT-s-OFDM PI/2 BPSK	1	1	23.92	24.00	24.03
40		1	108	23.99	24.06	23.98
40		1	214	23.90	23.94	23.98
40		108	1	23.54	23.60	23.69
40		108	54	24.11	24.09	24.14
40		108	108	23.44	23.58	23.58
40		216	0	23.49	23.52	23.62
40	DFT-s-OFDM QPSK	1	1	24.23	24.27	24.32
40		1	108	24.20	24.26	24.22
40		1	214	24.14	24.23	24.27
40		108	1	23.11	23.16	23.24
40		108	54	24.13	24.11	24.18
40		108	108	23.00	23.10	23.10
40		216	0	23.06	23.07	23.17
40	DFT-s-OFDM 16QAM	1	1	23.25	23.24	23.24
40	DFT-s-OFDM 64QAM	1	1	21.31	21.39	21.39
40	DFT-s-OFDM 256QAM	1	1	19.53	19.61	19.65
40	CP-OFDM QPSK	1	1	22.62	22.64	22.73
40	CP-OFDM 16QAM	1	1	22.21	22.49	22.33
40	CP-OFDM 64QAM	1	1	20.37	20.41	20.43
40	CP-OFDM 256QAM	1	1	17.54	17.58	17.61
Channel				373000	376000	379000
Frequency (MHz)				1865	1880	1895
30	DFT-s-OFDM QPSK	1	1	24.20	24.15	24.18
Channel				372500	376000	379500
Frequency (MHz)				1862.5	1880	1897.5
25	DFT-s-OFDM QPSK	1	1	24.11	24.19	23.92
Channel				372000	376000	380000
Frequency (MHz)				1860	1880	1900
20	DFT-s-OFDM QPSK	1	1	24.08	24.13	24.02
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	24.09	24.12	23.98
Channel				371000	376000	381000

Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	24.12	24.04	24.15
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	24.03	23.80	24.05

n5						
BW [MHz]	Modulation	RB num	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	23.48	23.56	23.52
20		1	53	23.61	23.64	23.57
20		1	104	23.53	23.57	23.52
20		50	1	23.06	23.17	23.15
20		50	25	23.66	23.70	23.68
20		50	50	23.13	23.17	23.14
20		100	0	23.07	23.17	23.16
20	DFT-s-OFDM QPSK	1	1	23.74	23.78	23.86
20		1	53	23.63	23.80	23.76
20		1	104	23.55	23.76	23.65
20		50	1	22.59	22.66	22.68
20		50	25	23.66	23.70	23.72
20		50	50	22.66	22.67	22.66
20		100	0	22.60	22.67	22.67
20	DFT-s-OFDM 16QAM	1	1	22.63	22.75	22.73
20	DFT-s-OFDM 64QAM	1	1	20.82	20.88	20.88
20	DFT-s-OFDM 256QAM	1	1	18.99	19.05	19.07
20	CP-OFDM QPSK	1	1	22.11	22.16	22.14
20	CP-OFDM 16QAM	1	1	21.72	21.80	21.81
20	CP-OFDM 64QAM	1	1	19.95	20.02	20.05
20	CP-OFDM 256QAM	1	1	17.08	17.12	17.14
Channel				166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5
15	DFT-s-OFDM QPSK	1	1	23.72	23.76	23.72
Channel				165800	167300	168800
Frequency (MHz)				829	836.5	844
10	DFT-s-OFDM QPSK	1	1	23.76	23.81	23.59
Channel				165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5
5	DFT-s-OFDM QPSK	1	1	23.75	23.72	23.56

n25						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				374000	376500	379000

Frequency (MHz)				1870	1882.5	1895
40	DFT-s-OFDM PI/2 BPSK	1	1	23.97	24.01	24.07
40		1	108	24.02	24.04	24.03
40		1	214	24.00	23.99	24.06
40		108	1	23.68	23.65	23.72
40		108	54	24.17	24.12	24.21
40		108	108	23.51	23.62	23.65
40		216	0	23.56	23.58	23.66
40	DFT-s-OFDM QPSK	1	1	24.25	24.26	24.39
40		1	108	24.08	24.30	24.31
40		1	214	24.00	24.22	24.25
40		108	1	23.19	23.21	23.29
40		108	54	24.23	24.16	24.24
40		108	108	23.05	23.16	23.17
40		216	0	23.14	23.15	23.22
40	DFT-s-OFDM 16QAM	1	1	23.28	23.27	23.34
40	DFT-s-OFDM 64QAM	1	1	21.40	21.46	21.56
40	DFT-s-OFDM 256QAM	1	1	19.59	19.66	19.75
40	CP-OFDM QPSK	1	1	22.69	22.71	22.79
40	CP-OFDM 16QAM	1	1	22.27	22.29	22.36
40	CP-OFDM 64QAM	1	1	20.46	20.51	20.59
40	CP-OFDM 256QAM	1	1	17.57	17.62	17.74
Channel				373000	376500	380000
Frequency (MHz)				1865	1882.5	1900
30	DFT-s-OFDM QPSK	1	1	24.25	23.96	24.16
Channel				372500	376500	380500
Frequency (MHz)				1862.5	1882.5	1902.5
25	DFT-s-OFDM QPSK	1	1	24.18	23.93	24.12
Channel				372000	376500	381000
Frequency (MHz)				1860	1882.5	1905
20	DFT-s-OFDM QPSK	1	1	24.16	23.91	24.18
Channel				371500	376500	381500
Frequency (MHz)				1857.5	1882.5	1907.5
15	DFT-s-OFDM QPSK	1	1	24.17	23.91	24.21
Channel				371000	376500	382000
Frequency (MHz)				1855	1882.5	1910
10	DFT-s-OFDM QPSK	1	1	24.23	23.90	24.17
Channel				370500	376500	382500
Frequency (MHz)				1852.5	1882.5	1912.5
5	DFT-s-OFDM QPSK	1	1	24.15	24.11	23.91

n41（PC2）						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				509202	513900	518598
Frequency (MHz)				2546.01	2569.5	2592.99

100	DFT-s-OFDM PI/2 BPSK	1	1	25.13	25.48	25.52
100		1	136	25.83	25.69	25.74
100		1	271	25.66	25.31	25.27
100		135	1	24.87	25.11	25.15
100		135	67	25.40	25.59	25.38
100		135	136	24.86	25.10	24.84
100		270	0	24.81	25.05	24.99
100	DFT-s-OFDM QPSK	1	1	25.10	25.45	25.55
100		1	136	25.72	25.89	25.56
100		1	271	25.57	25.18	25.06
100		135	1	24.42	24.65	24.71
100		135	67	25.43	25.59	25.36
100		135	136	24.41	24.65	24.36
100		270	0	24.35	24.61	24.54
100	DFT-s-OFDM 16QAM	1	1	24.44	24.56	24.77
100	DFT-s-OFDM 64QAM	1	1	22.79	22.98	23.14
100	DFT-s-OFDM 256QAM	1	1	20.71	22.94	21.08
100	CP-OFDM QPSK	1	1	23.65	23.71	23.95
100	CP-OFDM 16QAM	1	1	23.37	23.50	23.71
100	CP-OFDM 64QAM	1	1	21.87	22.00	22.24
100	CP-OFDM 256QAM	1	1	18.98	19.08	19.29
Channel				508200	513402	518598
Frequency (MHz)				2541	2567.01	2592.99
90	DFT-s-OFDM QPSK	1	1	25.07	25.34	25.43
Channel				507204	512904	518598
Frequency (MHz)				2536.02	2564.52	2592.99
80	DFT-s-OFDM QPSK	1	1	25.04	25.38	25.35
Channel				506202	512400	518598
Frequency (MHz)				2531.01	2562	2592.99
70	DFT-s-OFDM QPSK	1	1	25.15	25.37	25.20
Channel				505200	511902	518598
Frequency (MHz)				2526	2559.51	2592.99
60	DFT-s-OFDM QPSK	1	1	25.15	25.40	25.31
Channel				504204	511404	518598
Frequency (MHz)				2521.02	2557.02	2592.99
50	DFT-s-OFDM QPSK	1	1	25.16	25.53	25.47
Channel				503202	510900	518598
Frequency (MHz)				2516.01	2554.5	2592.99
40	DFT-s-OFDM QPSK	1	1	25.09	25.52	25.30
Channel				502200	510402	518598
Frequency (MHz)				2511	2552.01	2592.99
30	DFT-s-OFDM QPSK	1	1	25.18	25.47	25.39
Channel				501204	509904	518598
Frequency (MHz)				2506.02	2549.52	2592.99
20	DFT-s-OFDM QPSK	1	1	25.00	25.45	25.20

Channel				500700	509652	518598
Frequency (MHz)				2503.5	2548.26	2592.99
15	DFT-s-OFDM QPSK	1	1	25.20	25.46	25.24
Channel				500202	509400	518598
Frequency (MHz)				2501.01	2547	2592.99
10	DFT-s-OFDM QPSK	1	1	25.19	25.49	25.06

n41（PC3）						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				509202	513900	518598
Frequency (MHz)				2546.01	2569.5	2592.99
100	DFT-s-OFDM PI/2 BPSK	1	1	22.13	22.48	22.52
100		1	136	22.83	22.69	22.74
100		1	271	22.66	22.31	22.27
100		135	1	21.87	22.11	22.15
100		135	67	22.40	22.59	22.38
100		135	136	21.86	22.10	21.84
100		270	0	21.81	22.05	21.99
100	DFT-s-OFDM QPSK	1	1	22.72	22.59	22.56
100		1	136	23.20	23.36	23.25
100		1	271	22.57	22.42	22.40
100		135	1	21.42	21.65	21.71
100		135	67	22.43	22.62	22.51
100		135	136	21.41	21.65	21.36
100		270	0	21.35	21.61	21.54
100	DFT-s-OFDM 16QAM	1	1	21.44	21.56	21.77
100	DFT-s-OFDM 64QAM	1	1	19.79	19.98	20.14
100	DFT-s-OFDM 256QAM	1	1	17.71	19.94	18.08
100	CP-OFDM QPSK	1	1	20.65	20.71	20.95
100	CP-OFDM 16QAM	1	1	20.37	20.50	20.71
100	CP-OFDM 64QAM	1	1	18.87	19.00	19.24
100	CP-OFDM 256QAM	1	1	15.98	16.08	16.29
Channel				508200	513402	518598
Frequency (MHz)				2541	2567.01	2592.99
90	DFT-s-OFDM QPSK	1	1	22.07	22.34	22.43
Channel				507204	512904	518598
Frequency (MHz)				2536.02	2564.52	2592.99
80	DFT-s-OFDM QPSK	1	1	22.04	22.38	22.35
Channel				506202	512400	518598
Frequency (MHz)				2531.01	2562	2592.99
70	DFT-s-OFDM QPSK	1	1	22.15	22.37	22.20
Channel				505200	511902	518598
Frequency (MHz)				2526	2559.51	2592.99

60	DFT-s-OFDM QPSK	1	1	22.15	22.40	22.31
Channel				504204	511404	518598
Frequency (MHz)				2521.02	2557.02	2592.99
50	DFT-s-OFDM QPSK	1	1	22.16	22.53	22.47
Channel				503202	510900	518598
Frequency (MHz)				2516.01	2554.5	2592.99
40	DFT-s-OFDM QPSK	1	1	22.09	22.52	22.30
Channel				502200	510402	518598
Frequency (MHz)				2511	2552.01	2592.99
30	DFT-s-OFDM QPSK	1	1	22.18	22.47	22.39
Channel				501204	509904	518598
Frequency (MHz)				2506.02	2549.52	2592.99
20	DFT-s-OFDM QPSK	1	1	22.00	22.45	22.20
Channel				500700	509652	518598
Frequency (MHz)				2503.5	2548.26	2592.99
15	DFT-s-OFDM QPSK	1	1	22.20	22.46	22.24
Channel				500202	509400	518598
Frequency (MHz)				2501.01	2547	2592.99
10	DFT-s-OFDM QPSK	1	1	22.19	22.49	22.06

n66						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1730	1745	1760
40	DFT-s-OFDM PI/2 BPSK	1	1	23.77	23.85	23.87
40		1	108	23.85	24.12	24.15
40		1	214	24.02	24.12	23.96
40		108	1	23.43	23.61	23.75
40		108	54	24.01	24.18	24.25
40		108	108	23.57	23.67	23.72
40		216	0	23.45	23.58	23.68
40	DFT-s-OFDM QPSK	1	1	24.26	24.38	24.43
40		1	108	23.93	24.38	24.21
40		1	214	24.06	24.21	24.23
40		108	1	22.98	23.14	23.15
40		108	54	24.06	24.20	24.23
40		108	108	23.10	23.23	23.20
40		216	0	23.00	23.14	23.16
40	DFT-s-OFDM 16QAM	1	1	23.02	23.10	23.11
40	DFT-s-OFDM 64QAM	1	1	21.22	21.31	21.31
40	DFT-s-OFDM 256QAM	1	1	19.54	19.54	19.61
40	CP-OFDM QPSK	1	1	22.55	22.54	22.61
40	CP-OFDM 16QAM	1	1	22.09	22.16	22.15
40	CP-OFDM 64QAM	1	1	20.29	20.34	20.38
40	CP-OFDM 256QAM	1	1	17.49	17.51	17.59

Channel				345000	349000	353000
Frequency (MHz)				1725	1745	1765
30	DFT-s-OFDM QPSK	1	1	23.82	24.11	24.28
Channel				344500	349000	353500
Frequency (MHz)				1722.5	1745	1767.5
25	DFT-s-OFDM QPSK	1	1	24.02	24.08	24.27
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM QPSK	1	1	23.97	23.83	24.22
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	24.01	24.02	24.11
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	24.04	24.09	23.98
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	23.92	24.10	24.10

n71						
BW [MHz]	Modulation	RB num	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	23.59	23.87	23.86
20		1	53	23.87	23.89	23.88
20		1	104	23.83	23.86	23.77
20		50	1	23.22	23.51	23.51
20		50	25	23.80	23.90	23.93
20		50	50	23.36	23.34	23.45
20		100	0	23.29	23.31	23.46
20	DFT-s-OFDM QPSK	1	1	23.91	23.99	24.08
20		1	53	23.83	24.07	23.89
20		1	104	23.86	24.04	23.78
20		50	1	22.72	22.93	22.98
20		50	25	23.93	23.88	23.98
20		50	50	22.80	22.83	22.96
20		100	0	22.82	22.92	22.94
20	DFT-s-OFDM 16QAM	1	1	22.83	22.94	23.08
20	DFT-s-OFDM 64QAM	1	1	21.01	21.10	21.20
20	DFT-s-OFDM 256QAM	1	1	19.23	19.30	19.33
20	CP-OFDM QPSK	1	1	22.31	22.36	22.48
20	CP-OFDM 16QAM	1	1	21.90	22.06	22.16
20	CP-OFDM 64QAM	1	1	20.09	20.24	20.36
20	CP-OFDM 256QAM	1	1	17.32	17.42	17.52
Channel				134100	136100	138100

Frequency (MHz)				670.5	680.5	690.5
15	DFT-s-OFDM QPSK	1	1	23.97	23.81	23.96
Channel				133600	136100	138600
Frequency (MHz)				668	680.5	693
10	DFT-s-OFDM QPSK	1	1	24.04	24.15	24.19
Channel				133100	136100	139100
Frequency (MHz)				665.5	680.5	695.5
5	DFT-s-OFDM QPSK	1	1	24.06	24.08	24.07

n77(3450-3550MHz) (PC2)								
BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel
Channel				/	/	633334	/	/
Frequency (MHz)				/	/	3500.01	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	26.64	/	/
100		1	136	/	/	26.31	/	/
100		1	271	/	/	26.18	/	/
100		135	1	/	/	25.95	/	/
100		135	67	/	/	26.45	/	/
100		135	136	/	/	25.55	/	/
100		270	0	/	/	25.91	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	27.05	/	/
100		1	136	/	/	26.48	/	/
100		1	271	/	/	26.20	/	/
100		135	1	/	/	25.54	/	/
100		135	67	/	/	26.39	/	/
100		135	136	/	/	25.10	/	/
100		270	0	/	/	25.42	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	25.85	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	24.33	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	22.27	/	/
100	CP-OFDM QPSK	1	1	/	/	25.07	/	/
100	CP-OFDM 16QAM	1	1	/	/	25.26	/	/
100	CP-OFDM 64QAM	1	1	/	/	22.76	/	/
100	CP-OFDM 256QAM	1	1	/	/	20.29	/	/
Channel				633000	633168	633334	633500	633666
Frequency (MHz)				3495	3497.52	3500.01	3502.5	3504.99
90	DFT-s-OFDM QPSK	1	1	26.70	26.63	26.65	26.57	26.62
Channel				632668	633000	633334	633666	634000
Frequency (MHz)				3490.02	3495	3500.01	3504.99	3510

80	DFT-s-OFDM QPSK	1	1	26.66	26.73	26.67	26.60	26.60
Channel				632334	632834	633334	633832	634332
Frequency (MHz)				3485.01	3492.51	3500.01	3507.48	3514.98
70	DFT-s-OFDM QPSK	1	1	26.76	26.72	26.70	26.65	26.79
Channel				632000	632668	633334	634000	634666
Frequency (MHz)				3480	3490.02	3500.01	3510	3519.99
60	DFT-s-OFDM QPSK	1	1	26.57	26.50	26.44	26.36	26.39
Channel				631668	632500	633334	634166	635000
Frequency (MHz)				3475.02	3487.5	3500.01	3510	3525
50	DFT-s-OFDM QPSK	1	1	26.51	26.49	26.40	26.41	26.35
Channel				631334	632334	633334	634332	635332
Frequency (MHz)				3470.01	3485.01	3500.01	3514.98	3529.98
40	DFT-s-OFDM QPSK	1	1	26.59	26.57	26.46	26.42	26.21
Channel				631000	632168	633334	634500	635666
Frequency (MHz)				3465	3482.52	3500.01	3517.5	3534.99
30	DFT-s-OFDM QPSK	1	1	26.63	26.53	26.43	26.32	26.06
Channel				630834	632084	633334	634584	635832
Frequency (MHz)				3462.51	3481.26	3500.01	3518.76	3537.48
25	DFT-s-OFDM QPSK	1	1	26.60	26.52	26.45	26.23	25.97
Channel				630668	632000	633334	634666	636000
Frequency (MHz)				3460.02	3480	3500.01	3519.99	3540
20	DFT-s-OFDM QPSK	1	1	26.70	26.52	26.44	26.23	26.03
Channel				630500	631916	633334	634750	636166
Frequency (MHz)				3457.5	3478.74	3500.01	3521.25	3542.49
15	DFT-s-OFDM QPSK	1	1	26.69	26.53	26.41	26.19	26.07
Channel				630334	631834	633334	634834	636332
Frequency (MHz)				3455.01	3477.51	3500.01	3522.51	3544.98
10	DFT-s-OFDM QPSK	1	1	26.67	26.56	26.44	26.15	26.13

n77(3450-3550MHz) (PC3)								
BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel
Channel				/	/	633334	/	/
Frequency (MHz)				/	/	3500.01	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	23.64	/	/
100		1	136	/	/	23.31	/	/
100		1	271	/	/	23.18	/	/
100		135	1	/	/	22.95	/	/
100		135	67	/	/	23.45	/	/

100		135	136	/	/	22.55	/	/
100		270	0	/	/	22.91	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	24.05	/	/
100		1	136	/	/	23.48	/	/
100		1	271	/	/	23.20	/	/
100		135	1	/	/	22.54	/	/
100		135	67	/	/	23.39	/	/
100		135	136	/	/	22.50	/	/
100		270	0	/	/	22.69	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	22.85	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	21.33	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	19.27	/	/
100	CP-OFDM QPSK	1	1	/	/	22.07	/	/
100	CP-OFDM 16QAM	1	1	/	/	22.26	/	/
100	CP-OFDM 64QAM	1	1	/	/	19.76	/	/
100	CP-OFDM 256QAM	1	1	/	/	17.29	/	/
Channel				633000	633168	633334	633500	633666
Frequency (MHz)				3495	3497.52	3500.01	3502.5	3504.99
90	DFT-s-OFDM QPSK	1	1	23.70	23.63	23.65	23.57	23.62
Channel				632668	633000	633334	633666	634000
Frequency (MHz)				3490.02	3495	3500.01	3504.99	3510
80	DFT-s-OFDM QPSK	1	1	23.66	23.73	23.67	23.60	23.60
Channel				632334	632834	633334	633832	634332
Frequency (MHz)				3485.01	3492.51	3500.01	3507.48	3514.98
70	DFT-s-OFDM QPSK	1	1	23.76	23.72	23.70	23.65	23.79
Channel				632000	632668	633334	634000	634666
Frequency (MHz)				3480	3490.02	3500.01	3510	3519.99
60	DFT-s-OFDM QPSK	1	1	23.57	23.50	23.44	23.36	23.39
Channel				631668	632500	633334	634166	635000
Frequency (MHz)				3475.02	3487.5	3500.01	3510	3525
50	DFT-s-OFDM QPSK	1	1	23.51	23.49	23.40	23.41	23.35
Channel				631334	632334	633334	634332	635332
Frequency (MHz)				3470.01	3485.01	3500.01	3514.98	3529.98
40	DFT-s-OFDM QPSK	1	1	23.59	23.57	23.46	23.42	23.21
Channel				631000	632168	633334	634500	635666
Frequency (MHz)				3465	3482.52	3500.01	3517.5	3534.99
30	DFT-s-OFDM	1	1	23.63	23.53	23.43	23.32	23.06

	QPSK							
Channel				630834	632084	633334	634584	635832
Frequency (MHz)				3462.51	3481.26	3500.01	3518.76	3537.48
25	DFT-s-OFDM QPSK	1	1	23.60	23.52	23.45	23.23	22.97
Channel				630668	632000	633334	634666	636000
Frequency (MHz)				3460.02	3480	3500.01	3519.99	3540
20	DFT-s-OFDM QPSK	1	1	23.70	23.52	23.44	23.23	23.03
Channel				630500	631916	633334	634750	636166
Frequency (MHz)				3457.5	3478.74	3500.01	3521.25	3542.49
15	DFT-s-OFDM QPSK	1	1	23.69	23.53	23.41	23.19	23.07
Channel				630334	631834	633334	634834	636332
Frequency (MHz)				3455.01	3477.51	3500.01	3522.51	3544.98
10	DFT-s-OFDM QPSK	1	1	23.67	23.56	23.44	23.15	23.13

n77(3700-3980MHz) (PC2)								
BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel
Channel				650000	653000	656000	659000	662000
Frequency (MHz)				3750	3795	3840	3885	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	26.02	26.18	26.21	26.03	25.94
100		1	136	26.06	26.11	25.84	26.22	26.32
100		1	271	26.25	26.05	26.19	26.33	26.29
100		135	1	25.62	25.74	25.74	25.54	25.58
100		135	67	26.21	26.24	26.24	26.09	26.23
100		135	136	25.78	25.89	25.90	25.79	25.86
100		270	0	25.69	25.81	25.80	25.67	25.77
100	DFT-s-OFDM QPSK	1	1	25.97	26.14	26.09	26.00	25.94
100		1	136	26.28	26.32	26.27	26.26	26.34
100		1	271	26.19	26.09	26.13	26.03	26.12
100		135	1	25.14	25.25	25.25	25.46	25.29
100		135	67	26.19	26.23	26.23	26.07	26.25
100		135	136	25.33	25.38	25.41	25.33	25.37
100		270	0	25.19	25.28	25.29	25.16	25.25
100	DFT-s-OFDM 16QAM	1	1	25.30	25.40	25.43	25.29	25.23
100	DFT-s-OFDM 64QAM	1	1	24.08	24.28	24.09	24.00	23.67
100	DFT-s-OFDM 256QAM	1	1	21.42	21.60	21.58	21.56	21.70
100	CP-OFDM QPSK	1	1	24.39	24.81	24.56	24.48	24.34
100	CP-OFDM 16QAM	1	1	24.29	24.43	24.44	24.29	24.19
100	CP-OFDM 64QAM	1	1	22.74	22.94	22.92	22.89	22.87

100	CP-OFDM 256QAM	1	1	19.69	19.88	19.88	19.82	19.88
Channel				649666	652834	656000	659166	662332
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3934.98
90	DFT-s-OFDM QPSK	1	1	26.05	26.23	26.15	26.03	26.05
Channel				649334	652668	656000	659332	662666
Frequency (MHz)				3740.01	3790.02	3840	3889.98	3939.99
80	DFT-s-OFDM QPSK	1	1	25.99	26.22	26.17	26.07	26.07
Channel				649000	652500	656000	659500	663000
Frequency (MHz)				3735	3787.5	3840	3892.5	3945
70	DFT-s-OFDM QPSK	1	1	25.88	26.15	26.13	26.05	25.94
Channel				648668	652334	656000	659666	663332
Frequency (MHz)				3730.02	3785.01	3840	3894.99	3949.98
60	DFT-s-OFDM QPSK	1	1	25.90	26.03	26.04	26.08	26.11
Channel				648334	652168	656000	659832	663666
Frequency (MHz)				3725.01	3782.52	3840	3894.99	3954.99
50	DFT-s-OFDM QPSK	1	1	25.82	26.19	26.06	25.96	26.26
Channel				648000	652000	656000	660000	664000
Frequency (MHz)				3720	3780	3840	3900	3960
40	DFT-s-OFDM QPSK	1	1	24.95	26.16	26.09	26.03	26.28
Channel				647668	651834	656000	660166	664332
Frequency (MHz)				3715.02	3777.51	3840	3902.49	3964.98
30	DFT-s-OFDM QPSK	1	1	25.83	26.14	26.05	26.03	26.43
Channel				647500	651750	656000	660250	664500
Frequency (MHz)				3712.5	3776.25	3840	3903.75	3967.5
25	DFT-s-OFDM QPSK	1	1	26.10	26.38	26.29	26.04	26.31
Channel				647334	651668	656000	660332	664666
Frequency (MHz)				3710.01	3775.02	3840	3904.98	3969.99
20	DFT-s-OFDM QPSK	1	1	25.94	26.10	26.07	26.01	26.25
Channel				647168	651584	656000	660416	664832
Frequency (MHz)				3707.52	3773.76	3840	3906.24	3972.48
15	DFT-s-OFDM QPSK	1	1	25.90	26.25	26.07	25.93	26.31
Channel				647000	651500	656000	660500	665000
Frequency (MHz)				3705	3772.5	3840	3907.5	3975
10	DFT-s-OFDM QPSK	1	1	25.87	26.22	26.07	25.94	26.24

n77(3700-3980MHz) (PC3)								
BW	Modulation	RB	RB	Low	Low/Middle	Middle	Middle/High	High

[MHz]		num	start	Channel	Channel	Channel	Channel	Channel
Channel				650000	653000	656000	659000	662000
Frequency (MHz)				3750	3795	3840	3885	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	23.02	23.18	23.18	23.03	22.94
100		1	136	23.06	23.29	22.84	23.22	23.32
100		1	271	23.25	23.40	23.38	23.33	23.29
100		135	1	22.62	22.74	22.74	22.54	22.58
100		135	67	23.21	23.24	23.24	23.09	23.23
100		135	136	22.78	22.89	22.90	22.79	22.86
100		270	0	22.69	22.81	22.80	22.67	22.77
100	DFT-s-OFDM QPSK	1	1	23.57	23.64	23.72	23.70	23.68
100		1	136	23.38	23.48	23.57	23.59	23.47
100		1	271	23.29	23.35	23.32	23.26	23.34
100		135	1	22.14	22.25	22.25	22.38	22.09
100		135	67	23.19	23.23	23.23	23.07	23.22
100		135	136	22.33	22.38	22.41	22.33	22.37
100		270	0	22.19	22.28	22.29	22.16	22.25
100	DFT-s-OFDM 16QAM	1	1	22.30	22.40	22.43	22.29	22.23
100	DFT-s-OFDM 64QAM	1	1	21.08	21.28	21.09	21.00	20.67
100	DFT-s-OFDM 256QAM	1	1	18.42	18.60	18.58	18.56	20.70
100	CP-OFDM QPSK	1	1	21.39	21.81	21.56	21.48	21.34
100	CP-OFDM 16QAM	1	1	21.29	21.43	21.44	21.29	21.19
100	CP-OFDM 64QAM	1	1	19.74	19.94	19.92	19.89	19.87
100	CP-OFDM 256QAM	1	1	16.69	16.88	16.88	16.82	16.88
Channel				649666	652834	656000	659166	662332
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3934.98
90	DFT-s-OFDM QPSK	1	1	23.05	23.23	23.15	23.03	23.05
Channel				649334	652668	656000	659332	662666
Frequency (MHz)				3740.01	3790.02	3840	3889.98	3939.99
80	DFT-s-OFDM QPSK	1	1	22.99	23.22	23.17	23.07	23.07
Channel				649000	652500	656000	659500	663000
Frequency (MHz)				3735	3787.5	3840	3892.5	3945
70	DFT-s-OFDM QPSK	1	1	22.88	23.15	23.13	23.05	22.94
Channel				648668	652334	656000	659666	663332
Frequency (MHz)				3730.02	3785.01	3840	3894.99	3949.98
60	DFT-s-OFDM QPSK	1	1	22.90	23.03	23.04	23.08	23.11
Channel				648334	652168	656000	659832	663666
Frequency (MHz)				3725.01	3782.52	3840	3894.99	3954.99

50	DFT-s-OFDM QPSK	1	1	22.82	23.19	23.06	22.96	23.26
Channel				648000	652000	656000	660000	664000
Frequency (MHz)				3720	3780	3840	3900	3960
40	DFT-s-OFDM QPSK	1	1	21.95	23.16	23.09	23.03	23.28
Channel				647668	651834	656000	660166	664332
Frequency (MHz)				3715.02	3777.51	3840	3902.49	3964.98
30	DFT-s-OFDM QPSK	1	1	22.83	23.14	23.05	23.03	23.43
Channel				647500	651750	656000	660250	664500
Frequency (MHz)				3712.5	3776.25	3840	3903.75	3967.5
25	DFT-s-OFDM QPSK	1	1	23.10	23.38	23.29	23.04	23.31
Channel				647334	651668	656000	660332	664666
Frequency (MHz)				3710.01	3775.02	3840	3904.98	3969.99
20	DFT-s-OFDM QPSK	1	1	22.94	23.10	23.07	23.01	23.25
Channel				647168	651584	656000	660416	664832
Frequency (MHz)				3707.52	3773.76	3840	3906.24	3972.48
15	DFT-s-OFDM QPSK	1	1	22.90	23.25	23.07	22.93	23.31
Channel				647000	651500	656000	660500	665000
Frequency (MHz)				3705	3772.5	3840	3907.5	3975
10	DFT-s-OFDM QPSK	1	1	22.87	23.22	23.07	22.94	23.24

Effective Radiated Power and Effective Isotropic Radiated Power

n2 (PC3)									
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				374000	374000	376000	376000	378000	378000
Frequency (MHz)				1870.00	1870.00	1880.00	1880.00	1890.00	1890.00
40	DFT-s-OFDM PI/2 BPSK	1	1	24.86	0.306	24.94	0.312	24.97	0.314
40		1	108	24.93	0.311	25.00	0.316	24.92	0.310
40		1	214	24.84	0.305	24.88	0.308	24.92	0.310
40		108	1	24.48	0.281	24.54	0.284	24.63	0.290
40		108	54	25.05	0.320	25.03	0.318	25.08	0.322
40		108	108	24.38	0.274	24.52	0.283	24.52	0.283
40		216	0	24.43	0.277	24.46	0.279	24.56	0.286
40	DFT-s-OFDM QPSK	1	1	25.17	0.329	25.21	0.332	25.26	0.336
40		1	108	25.14	0.327	25.20	0.331	25.16	0.328
40		1	214	25.08	0.322	25.17	0.329	25.21	0.332

40		108	1	24.05	0.254	24.10	0.257	24.18	0.262
40		108	54	25.07	0.321	25.05	0.320	25.12	0.325
40		108	108	23.94	0.248	24.04	0.254	24.04	0.254
40		216	0	24.00	0.251	24.01	0.252	24.11	0.258
40	DFT-s-OFDM 16QAM	1	1	24.19	0.262	24.18	0.262	24.18	0.262
40	DFT-s-OFDM 64QAM	1	1	22.25	0.168	22.33	0.171	22.33	0.171
40	DFT-s-OFDM 256QAM	1	1	20.47	0.111	20.55	0.114	20.59	0.115
40	CP-OFDM QPSK	1	1	23.56	0.227	23.58	0.228	23.67	0.233
40	CP-OFDM 16QAM	1	1	23.15	0.207	23.43	0.220	23.27	0.212
40	CP-OFDM 64QAM	1	1	21.31	0.135	21.35	0.136	21.37	0.137
40	CP-OFDM 256QAM	1	1	18.48	0.070	18.52	0.071	18.55	0.072
Channel				373000	373000	376000	376000	379000	379000
Frequency (MHz)				1865.00	1865.00	1880.00	1880.00	1895.00	1895.00
30	DFT-s-OFDM QPSK	1	1	25.14	0.327	25.09	0.323	25.12	0.325
Channel				372500	372500	376000	376000	379500	379500
Frequency (MHz)				1862.50	1862.50	1880.00	1880.00	1897.50	1897.50
25	DFT-s-OFDM QPSK	1	1	25.05	0.320	25.13	0.326	24.86	0.306
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 QPSK	1	1	25.02	0.318	25.07	0.321	24.96	0.313
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	25.03	0.318	25.06	0.321	24.92	0.310
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	25.06	0.321	24.98	0.315	25.09	0.323
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	24.97	0.314	24.74	0.298	24.99	0.316

n5 (PC3)									
BW [M	Modulation	RB	RB Offs	Low Channel/	Low Channel/	Middle Channel/	Middle Channel/	High Channel/	High Channel/

Hz]		Size	et	dBm	Watt	dBm	Watt	dBm	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	19.97	0.099	20.05	0.101	20.01	0.100
20		1	53	20.10	0.102	20.13	0.103	20.06	0.101
20		1	104	20.02	0.100	20.06	0.101	20.01	0.100
20		50	1	19.55	0.090	19.66	0.092	19.64	0.092
20		50	25	20.15	0.104	20.19	0.104	20.17	0.104
20		50	50	19.62	0.092	19.66	0.092	19.63	0.092
20		100	0	19.56	0.090	19.66	0.092	19.65	0.092
20	DFT-s-OFDM QPSK	1	1	20.23	0.105	20.27	0.106	20.35	0.108
20		1	53	20.12	0.103	20.29	0.107	20.25	0.106
20		1	104	20.04	0.101	20.25	0.106	20.14	0.103
20		50	1	19.08	0.081	19.15	0.082	19.17	0.083
20		50	25	20.15	0.104	20.19	0.104	20.21	0.105
20		50	50	19.15	0.082	19.16	0.082	19.15	0.082
20		100	0	19.09	0.081	19.16	0.082	19.16	0.082
20	DFT-s-OFDM 16QAM	1	1	19.12	0.082	19.24	0.084	19.22	0.084
20	DFT-s-OFDM 64QAM	1	1	17.31	0.054	17.37	0.055	17.37	0.055
20	DFT-s-OFDM 256QAM	1	1	15.48	0.035	15.54	0.036	15.56	0.036
20	CP-OFDM QPSK	1	1	18.60	0.072	18.65	0.073	18.63	0.073
20	CP-OFDM 16QAM	1	1	18.21	0.066	18.29	0.067	18.30	0.068
20	CP-OFDM 64QAM	1	1	16.44	0.044	16.51	0.045	16.54	0.045
20	CP-OFDM 256QAM	1	1	13.57	0.023	13.61	0.023	13.63	0.023
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	20.21	0.105	20.25	0.106	20.21	0.105
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	20.25	0.106	20.30	0.107	20.08	0.102
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	20.24	0.106	20.21	0.105	20.05	0.101

n25 (PC3)									
BW	Modulation	R	RB	Low	Low	Middle	Middle	High	High

[MHz]		BSize	Offset	Channel/ dBm	Channel/ Watt	Channel/ dBm	Channel/ Watt	Channel/ dBm	Channel/ Watt
Channel				374000	374000	376500	376500	379000	379000
Frequency (MHz)				1870.00	1870.00	1882.50	1882.50	1895.00	1895.00
40	DFT-s-OFDM PI/2 BPSK	1	1	24.91	0.310	24.95	0.313	25.01	0.317
40		1	108	24.96	0.313	24.98	0.315	24.97	0.314
40		1	214	24.94	0.312	24.93	0.311	25.00	0.316
40		108	1	24.62	0.290	24.59	0.288	24.66	0.292
40		108	54	25.11	0.324	25.06	0.321	25.15	0.327
40		108	108	24.45	0.279	24.56	0.286	24.59	0.288
40		216	0	24.50	0.282	24.52	0.283	24.60	0.288
40	DFT-s-OFDM QPSK	1	1	25.19	0.330	25.20	0.331	25.33	0.341
40		1	108	25.02	0.318	25.24	0.334	25.25	0.335
40		1	214	24.94	0.312	25.16	0.328	25.19	0.330
40		108	1	24.13	0.259	24.15	0.260	24.23	0.265
40		108	54	25.17	0.329	25.10	0.324	25.18	0.330
40		108	108	23.99	0.251	24.10	0.257	24.11	0.258
40		216	0	24.08	0.256	24.09	0.256	24.16	0.261
40	DFT-s-OFDM 16QAM	1	1	24.22	0.264	24.21	0.264	24.28	0.268
40	DFT-s-OFDM 64QAM	1	1	22.34	0.171	22.40	0.174	22.50	0.178
40	DFT-s-OFDM 256QAM	1	1	20.53	0.113	20.60	0.115	20.69	0.117
40	CP-OFDM QPSK	1	1	23.63	0.231	23.65	0.232	23.73	0.236
40	CP-OFDM 16QAM	1	1	23.21	0.209	23.23	0.210	23.30	0.214
40	CP-OFDM 64QAM	1	1	21.40	0.138	21.45	0.140	21.53	0.142
40	CP-OFDM 256QAM	1	1	18.51	0.071	18.56	0.072	18.68	0.074
Channel				373000	373000	376500	376500	380000	380000
Frequency (MHz)				1865.00	1865.00	1882.50	1882.50	1900.00	1900.00
30	DFT-s-OFDM QPSK	1	1	25.19	0.330	24.90	0.309	25.10	0.324
Channel				372500	372500	376500	376500	380500	380500
Frequency (MHz)				1862.50	1862.50	1882.50	1882.50	1902.50	1902.50
25	DFT-s-OFDM QPSK	1	1	25.12	0.325	24.87	0.307	25.06	0.321
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 QPSK	1	1	25.10	0.324	24.85	0.305	25.12	0.325
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	25.11	0.324	24.85	0.305	25.15	0.327
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	25.17	0.329	24.84	0.305	25.11	0.324
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	25.09	0.323	25.05	0.320	24.85	0.305

n41(PC2)									
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				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	25.21	0.332	25.56	0.360	25.60	0.363
100		1	136	25.91	0.390	25.77	0.378	25.82	0.382
100		1	271	25.74	0.375	25.39	0.346	25.35	0.343
100		135	1	24.95	0.313	25.19	0.330	25.23	0.333
100		135	67	25.48	0.353	25.67	0.369	25.46	0.352
100		135	136	24.94	0.312	25.18	0.330	24.92	0.310
100		270	0	24.89	0.308	25.13	0.326	25.07	0.321
100	DFT-s-OFDM QPSK	1	1	25.18	0.330	25.53	0.357	25.63	0.366
100		1	136	25.80	0.380	25.97	0.395	25.64	0.366
100		1	271	25.65	0.367	25.26	0.336	25.14	0.327
100		135	1	24.50	0.282	24.73	0.297	24.79	0.301
100		135	67	25.51	0.356	25.67	0.369	25.44	0.350
100		135	136	24.49	0.281	24.73	0.297	24.44	0.278
100		270	0	24.43	0.277	24.69	0.294	24.62	0.290
100	DFT-s-OFDM 16QAM	1	1	24.52	0.283	24.64	0.291	24.85	0.305
100	DFT-s-OFDM 64QAM	1	1	22.87	0.194	23.06	0.202	23.22	0.210
100	DFT-s-OFDM 256QAM	1	1	20.79	0.120	23.02	0.200	21.16	0.131

100	CP-OFDM QPSK	1	1	23.73	0.236	23.79	0.239	24.03	0.253
100	CP-OFDM 16QAM	1	1	23.45	0.221	23.58	0.228	23.79	0.239
100	CP-OFDM 64QAM	1	1	21.95	0.157	22.08	0.161	22.32	0.171
100	CP-OFDM 256QAM	1	1	19.06	0.081	19.16	0.082	19.37	0.086
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	25.15	0.327	25.42	0.348	25.51	0.356
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	25.12	0.325	25.46	0.352	25.43	0.349
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	25.23	0.333	25.45	0.351	25.28	0.337
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	25.23	0.333	25.48	0.353	25.39	0.346
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	25.24	0.334	25.61	0.364	25.55	0.359
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	25.17	0.329	25.60	0.363	25.38	0.345
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	25.26	0.336	25.55	0.359	25.47	0.352
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	25.08	0.322	25.53	0.357	25.28	0.337
Channel				500700	500700	518598	518598	536496	536496
Frequency (MHz)				2503.50	2503.50	2592.99	2592.99	2682.48	2682.48
15	DFT-s-OFDM QPSK	1	1	25.28	0.337	25.54	0.358	25.32	0.340
Channel				500202	500202	518598	518598	537000	537000
Frequency (MHz)				2501.01	2501.01	2592.99	2592.99	2685.00	2685.00
10	DFT-s-OFDM QPSK	1	1	25.27	0.337	25.57	0.361	25.14	0.327

n41 (PC3)									
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				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	22.21	0.166	22.56	0.180	22.60	0.182
100		1	136	22.91	0.195	22.77	0.189	22.82	0.191
100		1	271	22.74	0.188	22.39	0.173	22.35	0.172
100		135	1	21.95	0.157	22.19	0.166	22.23	0.167
100		135	67	22.48	0.177	22.67	0.185	22.46	0.176
100		135	136	21.94	0.156	22.18	0.165	21.92	0.156
100		270	0	21.89	0.155	22.13	0.163	22.07	0.161
100	DFT-s-OFDM QPSK	1	1	22.80	0.191	22.67	0.185	22.64	0.184
100		1	136	23.28	0.213	23.44	0.221	23.33	0.215
100		1	271	22.65	0.184	22.50	0.178	22.48	0.177
100		135	1	21.50	0.141	21.73	0.149	21.79	0.151
100		135	67	22.51	0.178	22.70	0.186	22.59	0.182
100		135	136	21.49	0.141	21.73	0.149	21.44	0.139
100		270	0	21.43	0.139	21.69	0.148	21.62	0.145
100	DFT-s-OFDM 16QAM	1	1	21.52	0.142	21.64	0.146	21.85	0.153
100	DFT-s-OFDM 64QAM	1	1	19.87	0.097	20.06	0.101	20.22	0.105
100	DFT-s-OFDM 256QAM	1	1	17.79	0.060	20.02	0.100	18.16	0.065
100	CP-OFDM QPSK	1	1	20.73	0.118	20.79	0.120	21.03	0.127
100	CP-OFDM 16QAM	1	1	20.45	0.111	20.58	0.114	20.79	0.120
100	CP-OFDM 64QAM	1	1	18.95	0.079	19.08	0.081	19.32	0.086
100	CP-OFDM 256QAM	1	1	16.06	0.040	16.16	0.041	16.37	0.043
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	22.15	0.164	22.42	0.175	22.51	0.178

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	22.12	0.163	22.46	0.176	22.43	0.175
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	22.23	0.167	22.45	0.176	22.28	0.169
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	22.23	0.167	22.48	0.177	22.39	0.173
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	22.24	0.167	22.61	0.182	22.55	0.180
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	22.17	0.165	22.60	0.182	22.38	0.173
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	22.26	0.168	22.55	0.180	22.47	0.177
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	22.08	0.161	22.53	0.179	22.28	0.169
Channel				500700	500700	518598	518598	536496	536496
Frequency (MHz)				2503.50	2503.50	2592.99	2592.99	2682.48	2682.48
15	DFT-s-OFDM QPSK	1	1	22.28	0.169	22.54	0.179	22.32	0.171
Channel				500202	500202	518598	518598	537000	537000
Frequency (MHz)				2501.01	2501.01	2592.99	2592.99	2685.00	2685.00
10	DFT-s-OFDM QPSK	1	1	22.27	0.169	22.57	0.181	22.14	0.164

n66 (PC3)									
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				346000	346000	349000	349000	352000	352000

Frequency (MHz)				1730.00	1730.00	1745.00	1745.00	1760.00	1760.00
40	DFT-s-OFDM PI/2 BPSK	1	1	21.83	0.152	21.91	0.155	21.93	0.156
40		1	108	21.91	0.155	22.18	0.165	22.21	0.166
40		1	214	22.08	0.161	22.18	0.165	22.02	0.159
40		108	1	21.49	0.141	21.67	0.147	21.81	0.152
40		108	54	22.07	0.161	22.24	0.167	22.31	0.170
40		108	108	21.63	0.146	21.73	0.149	21.78	0.151
40		216	0	21.51	0.142	21.64	0.146	21.74	0.149
40	DFT-s-OFDM QPSK	1	1	22.32	0.171	22.44	0.175	22.49	0.177
40		1	108	21.99	0.158	22.44	0.175	22.27	0.169
40		1	214	22.12	0.163	22.27	0.169	22.29	0.169
40		108	1	21.04	0.127	21.20	0.132	21.21	0.132
40		108	54	22.12	0.163	22.26	0.168	22.29	0.169
40		108	108	21.16	0.131	21.29	0.135	21.26	0.134
40		216	0	21.06	0.128	21.20	0.132	21.22	0.132
40	DFT-s-OFDM 16QAM	1	1	21.08	0.128	21.16	0.131	21.17	0.131
40	DFT-s-OFDM 64QAM	1	1	19.28	0.085	19.37	0.086	19.37	0.086
40	DFT-s-OFDM 256QAM	1	1	17.60	0.058	17.60	0.058	17.67	0.058
40	CP-OFDM QPSK	1	1	20.61	0.115	20.60	0.115	20.67	0.117
40	CP-OFDM 16QAM	1	1	20.15	0.104	20.22	0.105	20.21	0.105
40	CP-OFDM 64QAM	1	1	18.35	0.068	18.40	0.069	18.44	0.070
40	CP-OFDM 256QAM	1	1	15.55	0.036	15.57	0.036	15.65	0.037
Channel				345000	345000	349000	349000	353000	353000
Frequency (MHz)				1725.00	1725.00	1745.00	1745.00	1765.00	1765.00
30	DFT-s-OFDM QPSK	1	1	21.88	0.154	22.17	0.165	22.34	0.171
Channel				344500	344500	349000	349000	353500	353500
Frequency (MHz)				1722.50	1722.50	1745.00	1745.00	1767.50	1767.50
25	DFT-s-OFDM QPSK	1	1	22.08	0.161	22.14	0.164	22.33	0.171
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 QPSK	1	1	22.03	0.160	21.89	0.155	22.28	0.169
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	22.07	0.161	22.08	0.161	22.17	0.165
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	22.10	0.162	22.15	0.164	22.04	0.160
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	21.98	0.158	22.16	0.164	22.16	0.164

n71 (PC3)									
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				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	18.18	0.066	18.46	0.070	18.45	0.070
20		1	53	18.46	0.070	18.48	0.070	18.47	0.070
20		1	104	18.42	0.070	18.45	0.070	18.36	0.069
20		50	1	17.81	0.060	18.10	0.065	18.10	0.065
20		50	25	18.39	0.069	18.49	0.071	18.52	0.071
20		50	50	17.95	0.062	17.93	0.062	18.04	0.064
20		100	0	17.88	0.061	17.90	0.062	18.05	0.064
20	DFT-s-OFDM QPSK	1	1	18.50	0.071	18.58	0.072	18.67	0.074
20		1	53	18.42	0.070	18.66	0.073	18.48	0.070
20		1	104	18.45	0.070	18.63	0.073	18.37	0.069
20		50	1	17.31	0.054	17.52	0.056	17.57	0.057
20		50	25	18.52	0.071	18.47	0.070	18.57	0.072
20		50	50	17.39	0.055	17.42	0.055	17.55	0.057
20		100	0	17.41	0.055	17.51	0.056	17.53	0.057
20	DFT-s-OFDM 16QAM	1	1	17.42	0.055	17.53	0.057	17.67	0.058
20	DFT-s-OFDM 64QAM	1	1	15.60	0.036	15.69	0.037	15.79	0.038
20	DFT-s-OFDM 256QAM	1	1	13.82	0.024	13.89	0.024	13.92	0.025
20	CP-OFDM QPSK	1	1	16.90	0.049	16.95	0.050	17.07	0.051
20	CP-OFDM 16QAM	1	1	16.49	0.045	16.65	0.046	16.75	0.047
20	CP-OFDM 64QAM	1	1	14.68	0.029	14.83	0.030	14.95	0.031
20	CP-OFDM 256QAM	1	1	11.91	0.016	12.01	0.016	12.11	0.016

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	18.56	0.072	18.40	0.069	18.55	0.072
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	18.63	0.073	18.74	0.075	18.78	0.076
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	18.65	0.073	18.67	0.074	18.66	0.073

n77(3450-3550MHz) (PC2)									
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			24.81	0.303		
100		1	136			24.48	0.281		
100		1	271			24.35	0.272		
100		135	1			24.12	0.258		
100		135	67			24.62	0.290		
100		135	136			23.72	0.236		
100		270	0			24.08	0.256		
100	DFT-s-OFDM QPSK	1	1			25.22	0.333		
100		1	136			24.65	0.292		
100		1	271			24.37	0.274		
100		135	1			23.71	0.235		
100		135	67			24.56	0.286		
100		135	136			23.27	0.212		
100		270	0			23.59	0.229		
100	DFT-s-OFDM 16QAM	1	1			24.02	0.252		
100	DFT-s-OFDM 64QAM	1	1			22.50	0.178		
100	DFT-s-OFDM 256QAM	1	1			20.44	0.111		
100	CP-OFDM QPSK	1	1			23.24	0.211		

100	CP-OFDM 16QAM	1	1			23.43	0.220		
100	CP-OFDM 64QAM	1	1			20.93	0.124		
100	CP-OFDM 256QAM	1	1			18.46	0.070		
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	24.87	0.307	24.82	0.303	24.79	0.301
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	24.83	0.304	24.84	0.305	24.77	0.300
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	24.93	0.311	24.87	0.307	24.96	0.313
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	24.74	0.298	24.61	0.289	24.56	0.286
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	24.68	0.294	24.57	0.286	24.52	0.283
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	24.76	0.299	24.63	0.290	24.38	0.274
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	24.80	0.302	24.60	0.288	24.23	0.265
Channel				630834	630834	633334	633334	635832	635832
Frequency (MHz)				3462.51	3462.51	3500.01	3500.01	3537.48	3537.48
25	DFT-s-OFDM QPSK	1	1	24.77	0.300	24.62	0.290	24.14	0.259
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	24.87	0.307	24.61	0.289	24.20	0.263
Channel				630500	630500	633334	633334	636166	636166
Frequency (MHz)				3457.50	3457.50	3500.01	3500.01	3542.49	3542.49
15	DFT-s-OFDM QPSK	1	1	24.86	0.306	24.58	0.287	24.24	0.265
Channel				630334	630334	633334	633334	636332	636332
Frequency (MHz)				3455.01	3455.01	3500.01	3500.01	3544.98	3544.98
10	DFT-s-OFDM QPSK	1	1	24.84	0.305	24.61	0.289	24.30	0.269

n77(3700-3980MHz) (PC2)									
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	24.19	0.262	24.38	0.274	24.11	0.258
100		1	136	24.23	0.265	24.01	0.252	24.49	0.281
100		1	271	24.42	0.277	24.36	0.273	24.46	0.279
100		135	1	23.79	0.239	23.91	0.246	23.75	0.237
100		135	67	24.38	0.274	24.41	0.276	24.40	0.275
100		135	136	23.95	0.248	24.07	0.255	24.03	0.253
100		270	0	23.86	0.243	23.97	0.249	23.94	0.248
100	DFT-s-OFDM QPSK	1	1	24.14	0.259	24.26	0.267	24.11	0.258
100		1	136	24.45	0.279	24.44	0.278	24.51	0.282
100		1	271	24.36	0.273	24.30	0.269	24.29	0.269
100		135	1	23.31	0.214	23.42	0.220	23.46	0.222
100		135	67	24.36	0.273	24.40	0.275	24.42	0.277
100		135	136	23.50	0.224	23.58	0.228	23.54	0.226
100		270	0	23.36	0.217	23.46	0.222	23.42	0.220
100	DFT-s-OFDM 16QAM	1	1	23.47	0.222	23.60	0.229	23.40	0.219
100	DFT-s-OFDM 64QAM	1	1	22.25	0.168	22.26	0.168	21.84	0.153
100	DFT-s-OFDM 256QAM	1	1	19.59	0.091	19.75	0.094	19.87	0.097
100	CP-OFDM QPSK	1	1	22.56	0.180	22.73	0.187	22.51	0.178
100	CP-OFDM 16QAM	1	1	22.46	0.176	22.61	0.182	22.36	0.172
100	CP-OFDM 64QAM	1	1	20.91	0.123	21.09	0.129	21.04	0.127
100	CP-OFDM 256QAM	1	1	17.86	0.061	18.05	0.064	18.05	0.064
Channel				649666	649666	656000	656000	662332	662332
Frequency (MHz)				3744.99	3744.99	3840.00	3840.00	3934.98	3934.98
90	DFT-s-OFDM QPSK	1	1	24.22	0.264	24.32	0.270	24.22	0.264
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	24.16	0.261	24.34	0.272	24.24	0.265
Channel				649000	649000	656000	656000	663000	663000
Frequency (MHz)				3735.00	3735.00	3840.00	3840.00	3945.00	3945.00
70	DFT-s-OFDM QPSK	1	1	24.05	0.254	24.30	0.269	24.11	0.258
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	24.07	0.255	24.21	0.264	24.28	0.268
Channel				648334	648334	656000	656000	663666	663666
Frequency (MHz)				3725.01	3725.01	3840.00	3840.00	3954.99	3954.99
50	DFT-s-OFDM QPSK	1	1	23.99	0.251	24.23	0.265	24.43	0.277
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	23.12	0.205	24.26	0.267	24.45	0.279
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	24.00	0.251	24.22	0.264	24.60	0.288
Channel				647500	647500	656000	656000	664500	664500
Frequency (MHz)				3712.50	3712.50	3840.00	3840.00	3967.50	3967.50
25	DFT-s-OFDM QPSK	1	1	24.27	0.267	24.46	0.279	24.48	0.281
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	24.11	0.258	24.24	0.265	24.42	0.277
Channel				647168	647168	656000	656000	664832	664832
Frequency (MHz)				3707.52	3707.52	3840.00	3840.00	3972.48	3972.48
15	DFT-s-OFDM QPSK	1	1	24.07	0.255	24.24	0.265	24.48	0.281
Channel				647000	647000	656000	656000	665000	665000
Frequency (MHz)				3705.00	3705.00	3840.00	3840.00	3975.00	3975.00
10	DFT-s-OFDM QPSK	1	1	24.04	0.254	24.24	0.265	24.41	0.276

n77(3450-3550MHz) (PC3)									
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	1	1			21.81	0.152		

100	PI/2 BPSK	1	136			21.48	0.141		
100		1	271			21.35	0.136		
100		135	1			21.12	0.129		
100		135	67			21.62	0.145		
100		135	136			20.72	0.118		
100		270	0			21.08	0.128		
100	DFT-s-OFDM QPSK	1	1			22.22	0.167		
100		1	136			21.65	0.146		
100		1	271			21.37	0.137		
100		135	1			20.71	0.118		
100		135	67			21.56	0.143		
100		135	136			20.67	0.117		
100		270	0			20.86	0.122		
100	DFT-s-OFDM 16QAM	1	1			21.02	0.126		
100	DFT-s-OFDM 64QAM	1	1			19.50	0.089		
100	DFT-s-OFDM 256QAM	1	1			17.44	0.055		
100	CP-OFDM QPSK	1	1			20.24	0.106		
100	CP-OFDM 16QAM	1	1			20.43	0.110		
100	CP-OFDM 64QAM	1	1			17.93	0.062		
100	CP-OFDM 256QAM	1	1			15.46	0.035		
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	21.87	0.154	21.82	0.152	21.79	0.151
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	21.83	0.152	21.84	0.153	21.77	0.150
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	21.93	0.156	21.87	0.154	21.96	0.157
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	21.74	0.149	21.61	0.145	21.56	0.143

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	21.68	0.147	21.57	0.144	21.52	0.142
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	21.76	0.150	21.63	0.146	21.38	0.137
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	21.80	0.151	21.60	0.145	21.23	0.133
Channel				630834	630834	633334	633334	635832	635832
Frequency (MHz)				3462.51	3462.51	3500.01	3500.01	3537.48	3537.48
25	DFT-s-OFDM QPSK	1	1	21.77	0.150	21.62	0.145	21.14	0.130
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	21.87	0.154	21.61	0.145	21.20	0.132
Channel				630500	630500	633334	633334	636166	636166
Frequency (MHz)				3457.50	3457.50	3500.01	3500.01	3542.49	3542.49
15	DFT-s-OFDM QPSK	1	1	21.86	0.153	21.58	0.144	21.24	0.133
Channel				630334	630334	633334	633334	636332	636332
Frequency (MHz)				3455.01	3455.01	3500.01	3500.01	3544.98	3544.98
10	DFT-s-OFDM QPSK	1	1	21.84	0.153	21.61	0.145	21.30	0.135

n77(3700-3980MHz) (PC3)									
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	21.19	0.132	21.35	0.136	21.11	0.129
100		1	136	21.23	0.133	21.01	0.126	21.49	0.141
100		1	271	21.42	0.139	21.55	0.143	21.46	0.140
100		135	1	20.79	0.120	20.91	0.123	20.75	0.119
100		135	67	21.38	0.137	21.41	0.138	21.40	0.138
100		135	136	20.95	0.124	21.07	0.128	21.03	0.127
100		270	0	20.86	0.122	20.97	0.125	20.94	0.124
100	DFT-s-OFDM	1	1	21.74	0.149	21.89	0.155	21.85	0.153

100	QPSK	1	136	21.55	0.143	21.74	0.149	21.64	0.146
100		1	271	21.46	0.140	21.49	0.141	21.51	0.142
100		135	1	20.31	0.107	20.42	0.110	20.26	0.106
100		135	67	21.36	0.137	21.40	0.138	21.39	0.138
100		135	136	20.50	0.112	20.58	0.114	20.54	0.113
100		270	0	20.36	0.109	20.46	0.111	20.42	0.110
100	DFT-s-OFDM 16QAM	1	1	20.47	0.111	20.60	0.115	20.40	0.110
100	DFT-s-OFDM 64QAM	1	1	19.25	0.084	19.26	0.084	18.84	0.077
100	DFT-s-OFDM 256QAM	1	1	16.59	0.046	16.75	0.047	18.87	0.077
100	CP-OFDM QPSK	1	1	19.56	0.090	19.73	0.094	19.51	0.089
100	CP-OFDM 16QAM	1	1	19.46	0.088	19.61	0.091	19.36	0.086
100	CP-OFDM 64QAM	1	1	17.91	0.062	18.09	0.064	18.04	0.064
100	CP-OFDM 256QAM	1	1	14.86	0.031	15.05	0.032	15.05	0.032
Channel				649666	649666	656000	656000	662332	662332
Frequency (MHz)				3744.99	3744.99	3840.00	3840.00	3934.98	3934.98
90	DFT-s-OFDM QPSK	1	1	21.22	0.132	21.32	0.136	21.22	0.132
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	21.16	0.131	21.34	0.136	21.24	0.133
Channel				649000	649000	656000	656000	663000	663000
Frequency (MHz)				3735.00	3735.00	3840.00	3840.00	3945.00	3945.00
70	DFT-s-OFDM QPSK	1	1	21.05	0.127	21.30	0.135	21.11	0.129
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	21.07	0.128	21.21	0.132	21.28	0.134
Channel				648334	648334	656000	656000	663666	663666
Frequency (MHz)				3725.01	3725.01	3840.00	3840.00	3954.99	3954.99
50	DFT-s-OFDM QPSK	1	1	20.99	0.126	21.23	0.133	21.43	0.139
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	20.12	0.103	21.26	0.134	21.45	0.140
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	1	1	21.00	0.126	21.22	0.132	21.60	0.145

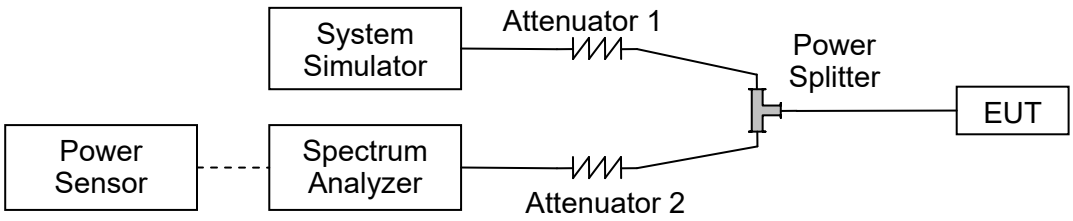
	QPSK								
Channel				647500	647500	656000	656000	664500	664500
Frequency (MHz)				3712.50	3712.50	3840.00	3840.00	3967.50	3967.50
25	DFT-s-OFDM QPSK	1	1	21.27	0.134	21.46	0.140	21.48	0.141
Channel				647334	647334	656000	656000	664666	664666
Frequency (MHz)				3710.01	3710.01	3840.00	3840.00	3969.99	3969.99
20	DFT-s-OFDM QPSK	1	1	21.11	0.129	21.24	0.133	21.42	0.139
Channel				647168	647168	656000	656000	664832	664832
Frequency (MHz)				3707.52	3707.52	3840.00	3840.00	3972.48	3972.48
15	DFT-s-OFDM QPSK	1	1	21.07	0.128	21.24	0.133	21.48	0.141
Channel				647000	647000	656000	656000	665000	665000
Frequency (MHz)				3705.00	3705.00	3840.00	3840.00	3975.00	3975.00
10	DFT-s-OFDM QPSK	1	1	21.04	0.127	21.24	0.133	21.41	0.138

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	4.4817	4.829	PASS
n2	15	5	370500	DFT-s-OFDM QPSK	25/0	4.4837	4.806	PASS
n2	15	5	370500	DFT-s-OFDM 16QAM	25/0	4.4873	4.826	PASS
n2	15	5	370500	DFT-s-OFDM 64QAM	25/0	4.4908	4.819	PASS
n2	15	5	370500	DFT-s-OFDM 256QAM	25/0	4.4770	4.816	PASS
n2	15	5	370500	CP-OFDM QPSK	25/0	4.4682	4.858	PASS
n2	15	5	376000	DFT-s-OFDM PI/2 BPSK	25/0	4.4771	4.840	PASS
n2	15	5	376000	DFT-s-OFDM QPSK	25/0	4.4913	4.862	PASS
n2	15	5	376000	DFT-s-OFDM 16QAM	25/0	4.4789	4.802	PASS
n2	15	5	376000	DFT-s-OFDM 64QAM	25/0	4.4991	4.826	PASS
n2	15	5	376000	DFT-s-OFDM 256QAM	25/0	4.4821	4.838	PASS
n2	15	5	376000	CP-OFDM QPSK	25/0	4.4720	4.853	PASS
n2	15	5	381500	DFT-s-OFDM PI/2 BPSK	25/0	4.4828	4.833	PASS
n2	15	5	381500	DFT-s-OFDM QPSK	25/0	4.4894	4.826	PASS
n2	15	5	381500	DFT-s-OFDM 16QAM	25/0	4.4812	4.858	PASS
n2	15	5	381500	DFT-s-OFDM 64QAM	25/0	4.4884	4.842	PASS
n2	15	5	381500	DFT-s-OFDM 256QAM	25/0	4.4830	4.854	PASS
n2	15	5	381500	CP-OFDM QPSK	25/0	4.4704	4.893	PASS
n2	15	10	371000	DFT-s-OFDM PI/2 BPSK	50/0	8.9425	9.405	PASS
n2	15	10	371000	DFT-s-OFDM QPSK	50/0	8.9013	9.373	PASS
n2	15	10	371000	DFT-s-OFDM 16QAM	50/0	8.9059	9.358	PASS
n2	15	10	371000	DFT-s-OFDM 64QAM	50/0	8.9253	9.409	PASS
n2	15	10	371000	DFT-s-OFDM 256QAM	50/0	8.9054	9.359	PASS

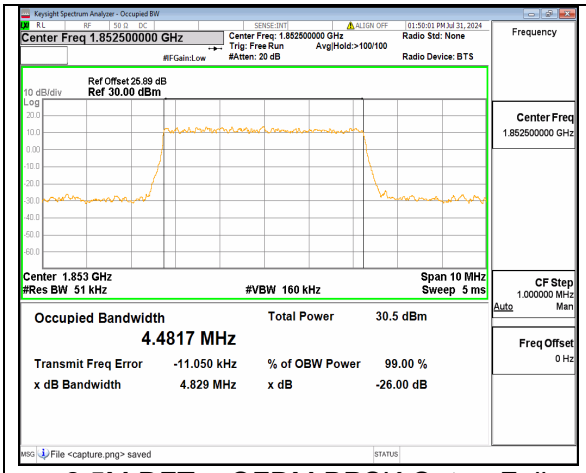
n2	15	10	371000	CP-OFDM QPSK	52/0	9.2886	9.773	PASS
n2	15	10	376000	DFT-s-OFDM PI/2 BPSK	50/0	8.9324	9.434	PASS
n2	15	10	376000	DFT-s-OFDM QPSK	50/0	8.9055	9.339	PASS
n2	15	10	376000	DFT-s-OFDM 16QAM	50/0	8.9095	9.358	PASS
n2	15	10	376000	DFT-s-OFDM 64QAM	50/0	8.9325	9.405	PASS
n2	15	10	376000	DFT-s-OFDM 256QAM	50/0	8.9079	9.372	PASS
n2	15	10	376000	CP-OFDM QPSK	52/0	9.2679	9.780	PASS
n2	15	10	381000	DFT-s-OFDM PI/2 BPSK	50/0	8.9205	9.448	PASS
n2	15	10	381000	DFT-s-OFDM QPSK	50/0	8.9036	9.353	PASS
n2	15	10	381000	DFT-s-OFDM 16QAM	50/0	8.9132	9.371	PASS
n2	15	10	381000	DFT-s-OFDM 64QAM	50/0	8.9282	9.406	PASS
n2	15	10	381000	DFT-s-OFDM 256QAM	50/0	8.9131	9.386	PASS
n2	15	10	381000	CP-OFDM QPSK	52/0	9.2775	9.810	PASS
n2	15	15	371500	DFT-s-OFDM PI/2 BPSK	75/0	13.413	14.031	PASS
n2	15	15	371500	DFT-s-OFDM QPSK	75/0	13.396	14.047	PASS
n2	15	15	371500	DFT-s-OFDM 16QAM	75/0	13.391	14.039	PASS
n2	15	15	371500	DFT-s-OFDM 64QAM	75/0	13.404	14.012	PASS
n2	15	15	371500	DFT-s-OFDM 256QAM	75/0	13.393	14.044	PASS
n2	15	15	371500	CP-OFDM QPSK	79/0	14.080	14.750	PASS
n2	15	15	376000	DFT-s-OFDM PI/2 BPSK	75/0	13.416	14.065	PASS
n2	15	15	376000	DFT-s-OFDM QPSK	75/0	13.408	14.015	PASS
n2	15	15	376000	DFT-s-OFDM 16QAM	75/0	13.400	14.053	PASS
n2	15	15	376000	DFT-s-OFDM 64QAM	75/0	13.410	14.031	PASS
n2	15	15	376000	DFT-s-OFDM 256QAM	75/0	13.393	14.013	PASS

n2	15	15	376000	CP-OFDM QPSK	79/0	14.109	14.740	PASS
n2	15	15	380500	DFT-s-OFDM PI/2 BPSK	75/0	13.422	14.034	PASS
n2	15	15	380500	DFT-s-OFDM QPSK	75/0	13.413	14.043	PASS
n2	15	15	380500	DFT-s-OFDM 16QAM	75/0	13.424	14.021	PASS
n2	15	15	380500	DFT-s-OFDM 64QAM	75/0	13.409	14.049	PASS
n2	15	15	380500	DFT-s-OFDM 256QAM	75/0	13.408	14.041	PASS
n2	15	15	380500	CP-OFDM QPSK	79/0	14.117	14.777	PASS
n2	15	20	372000	DFT-s-OFDM PI/2 BPSK	100/0	17.849	18.691	PASS
n2	15	20	372000	DFT-s-OFDM QPSK	100/0	17.839	18.647	PASS
n2	15	20	372000	DFT-s-OFDM 16QAM	100/0	17.842	18.599	PASS
n2	15	20	372000	DFT-s-OFDM 64QAM	100/0	17.856	18.663	PASS
n2	15	20	372000	DFT-s-OFDM 256QAM	100/0	17.834	18.631	PASS
n2	15	20	372000	CP-OFDM QPSK	106/0	18.887	19.700	PASS
n2	15	20	376000	DFT-s-OFDM PI/2 BPSK	100/0	17.868	18.684	PASS
n2	15	20	376000	DFT-s-OFDM QPSK	100/0	17.857	18.662	PASS
n2	15	20	376000	DFT-s-OFDM 16QAM	100/0	17.855	18.636	PASS
n2	15	20	376000	DFT-s-OFDM 64QAM	100/0	17.873	18.670	PASS
n2	15	20	376000	DFT-s-OFDM 256QAM	100/0	17.850	18.664	PASS
n2	15	20	376000	CP-OFDM QPSK	106/0	18.906	19.708	PASS
n2	15	20	380000	DFT-s-OFDM PI/2 BPSK	100/0	17.877	18.652	PASS
n2	15	20	380000	DFT-s-OFDM QPSK	100/0	17.863	18.651	PASS
n2	15	20	380000	DFT-s-OFDM 16QAM	100/0	17.869	18.641	PASS
n2	15	20	380000	DFT-s-OFDM 64QAM	100/0	17.884	18.692	PASS
n2	15	20	380000	DFT-s-OFDM 256QAM	100/0	17.854	18.675	PASS

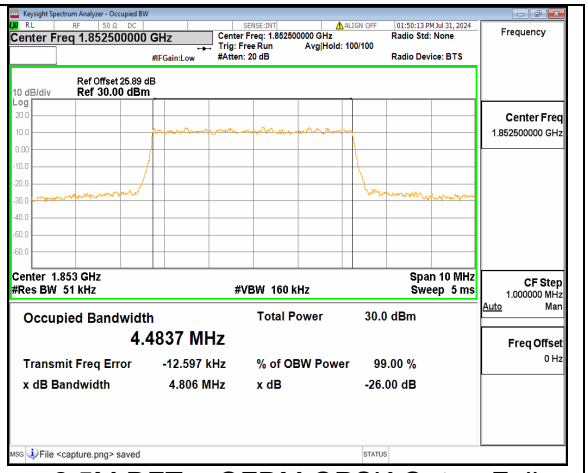
n2	15	20	380000	CP-OFDM QPSK	106/0	18.927	19.719	PASS
n2	15	25	372500	DFT-s-OFDM PI/2 BPSK	128/0	22.866	23.786	PASS
n2	15	25	372500	DFT-s-OFDM QPSK	128/0	22.826	23.808	PASS
n2	15	25	372500	DFT-s-OFDM 16QAM	128/0	22.819	23.782	PASS
n2	15	25	372500	DFT-s-OFDM 64QAM	128/0	22.841	23.694	PASS
n2	15	25	372500	DFT-s-OFDM 256QAM	128/0	22.807	23.769	PASS
n2	15	25	372500	CP-OFDM QPSK	133/0	23.694	24.697	PASS
n2	15	25	376000	DFT-s-OFDM PI/2 BPSK	128/0	22.869	23.764	PASS
n2	15	25	376000	DFT-s-OFDM QPSK	128/0	22.857	23.841	PASS
n2	15	25	376000	DFT-s-OFDM 16QAM	128/0	22.836	23.756	PASS
n2	15	25	376000	DFT-s-OFDM 64QAM	128/0	22.880	23.759	PASS
n2	15	25	376000	DFT-s-OFDM 256QAM	128/0	22.830	23.772	PASS
n2	15	25	376000	CP-OFDM QPSK	133/0	23.708	24.750	PASS
n2	15	25	379500	DFT-s-OFDM PI/2 BPSK	128/0	22.863	23.768	PASS
n2	15	25	379500	DFT-s-OFDM QPSK	128/0	22.828	23.802	PASS
n2	15	25	379500	DFT-s-OFDM 16QAM	128/0	22.834	23.826	PASS
n2	15	25	379500	DFT-s-OFDM 64QAM	128/0	22.857	23.738	PASS
n2	15	25	379500	DFT-s-OFDM 256QAM	128/0	22.828	23.819	PASS
n2	15	25	379500	CP-OFDM QPSK	133/0	23.689	24.678	PASS
n2	15	30	373000	DFT-s-OFDM PI/2 BPSK	160/0	28.563	29.704	PASS
n2	15	30	373000	DFT-s-OFDM QPSK	160/0	28.477	29.736	PASS
n2	15	30	373000	DFT-s-OFDM 16QAM	160/0	28.518	29.571	PASS
n2	15	30	373000	DFT-s-OFDM 64QAM	160/0	28.543	29.637	PASS
n2	15	30	373000	DFT-s-OFDM 256QAM	160/0	28.475	29.707	PASS

n2	15	30	373000	CP-OFDM QPSK	160/0	28.506	29.769	PASS
n2	15	30	376000	DFT-s-OFDM PI/2 BPSK	160/0	28.530	29.673	PASS
n2	15	30	376000	DFT-s-OFDM QPSK	160/0	28.507	29.843	PASS
n2	15	30	376000	DFT-s-OFDM 16QAM	160/0	28.525	29.680	PASS
n2	15	30	376000	DFT-s-OFDM 64QAM	160/0	28.549	29.721	PASS
n2	15	30	376000	DFT-s-OFDM 256QAM	160/0	28.487	29.758	PASS
n2	15	30	376000	CP-OFDM QPSK	160/0	28.513	29.783	PASS
n2	15	30	379000	DFT-s-OFDM PI/2 BPSK	160/0	28.542	29.698	PASS
n2	15	30	379000	DFT-s-OFDM QPSK	160/0	28.484	29.734	PASS
n2	15	30	379000	DFT-s-OFDM 16QAM	160/0	28.526	29.620	PASS
n2	15	30	379000	DFT-s-OFDM 64QAM	160/0	28.525	29.746	PASS
n2	15	30	379000	DFT-s-OFDM 256QAM	160/0	28.488	29.770	PASS
n2	15	30	379000	CP-OFDM QPSK	160/0	28.510	29.801	PASS
n2	15	40	374000	DFT-s-OFDM PI/2 BPSK	216/0	38.493	40.032	PASS
n2	15	40	374000	DFT-s-OFDM QPSK	216/0	38.531	39.992	PASS
n2	15	40	374000	DFT-s-OFDM 16QAM	216/0	38.441	40.022	PASS
n2	15	40	374000	DFT-s-OFDM 64QAM	216/0	38.545	40.132	PASS
n2	15	40	374000	DFT-s-OFDM 256QAM	216/0	38.534	40.172	PASS
n2	15	40	374000	CP-OFDM QPSK	216/0	38.520	40.079	PASS
n2	15	40	376000	DFT-s-OFDM PI/2 BPSK	216/0	38.461	40.068	PASS
n2	15	40	376000	DFT-s-OFDM QPSK	216/0	38.462	40.002	PASS
n2	15	40	376000	DFT-s-OFDM 16QAM	216/0	38.465	39.988	PASS
n2	15	40	376000	DFT-s-OFDM 64QAM	216/0	38.446	40.086	PASS
n2	15	40	376000	DFT-s-OFDM 256QAM	216/0	38.466	40.046	PASS

n2	15	40	376000	CP-OFDM QPSK	216/0	38.474	40.057	PASS
n2	15	40	378000	DFT-s-OFDM PI/2 BPSK	216/0	38.441	40.063	PASS
n2	15	40	378000	DFT-s-OFDM QPSK	216/0	38.905	39.787	PASS
n2	15	40	378000	DFT-s-OFDM 16QAM	216/0	38.837	39.702	PASS
n2	15	40	378000	DFT-s-OFDM 64QAM	216/0	38.873	39.756	PASS
n2	15	40	378000	DFT-s-OFDM 256QAM	216/0	38.819	39.684	PASS
n2	15	40	378000	CP-OFDM QPSK	216/0	38.511	40.027	PASS



n2 5M DFT-s-OFDM BPSK Outer_Full Low



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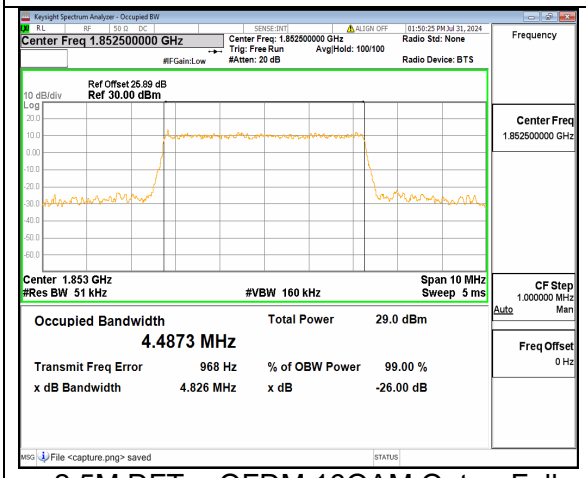

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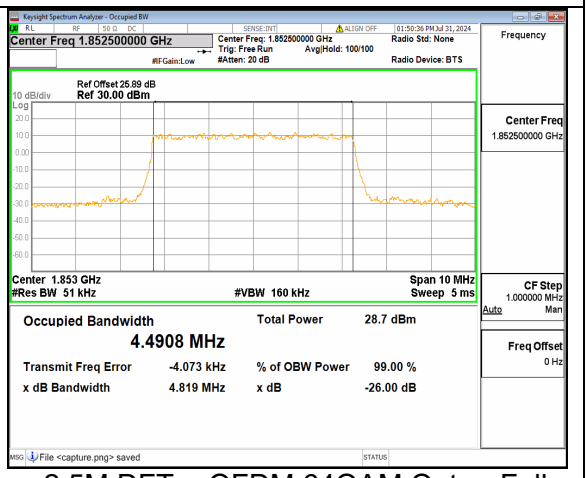

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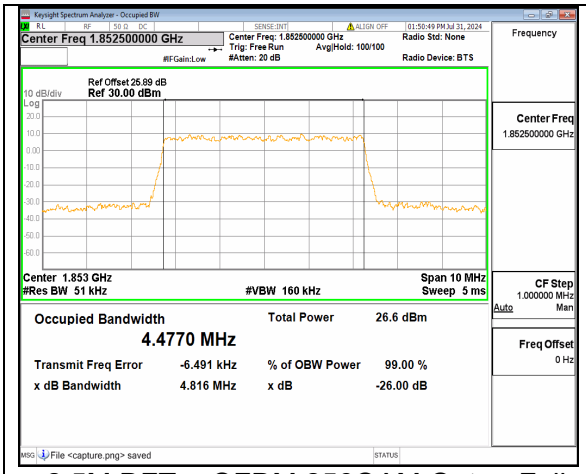

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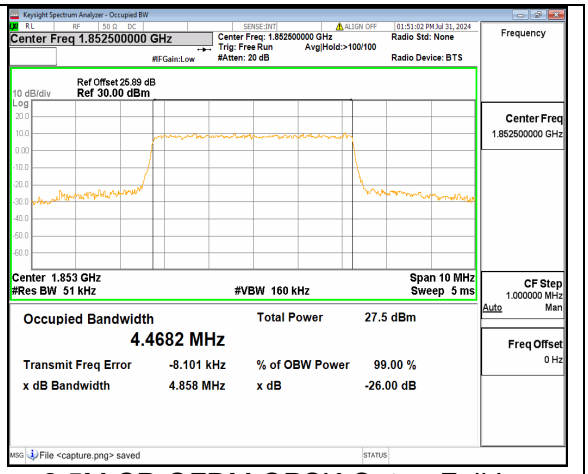
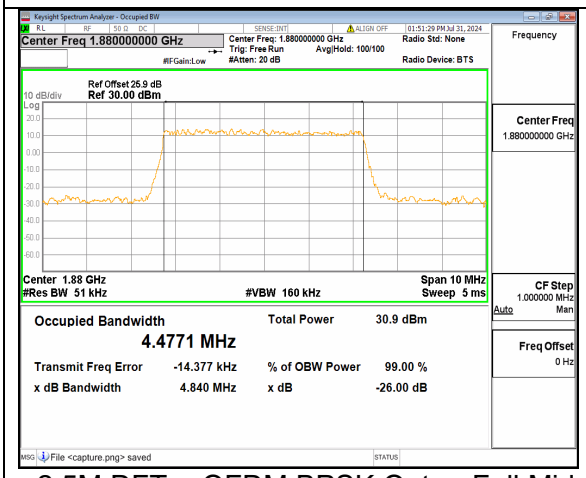


n2 5M CP-OFDM QPSK Outer_Full Low



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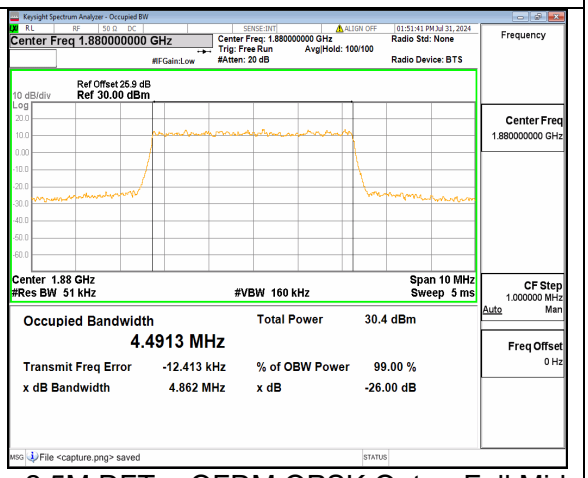

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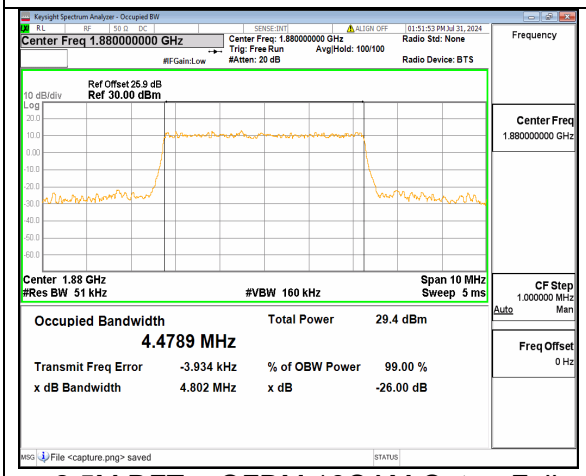

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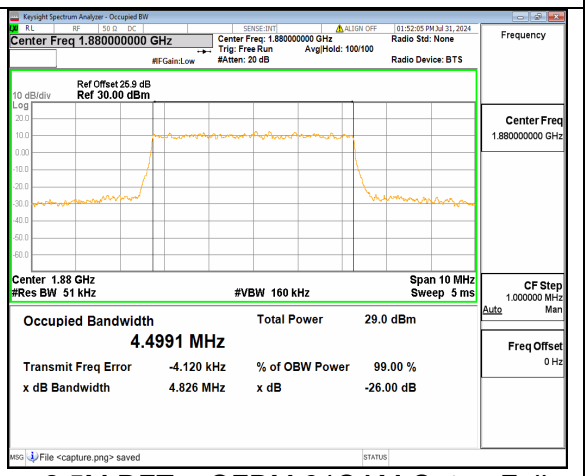
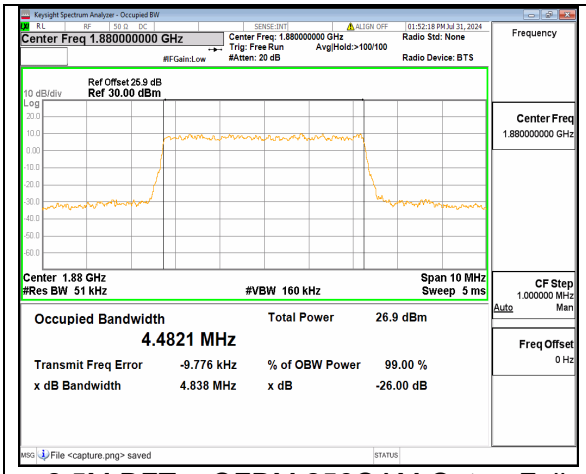
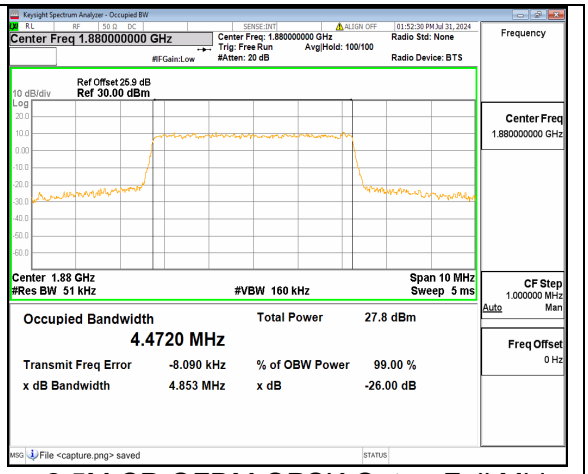


n2 5M DFT-s-OFDM 64QAM Outer_Full Mid



n2 5M DFT-s-OFDM 256QAM Outer_Full Mid



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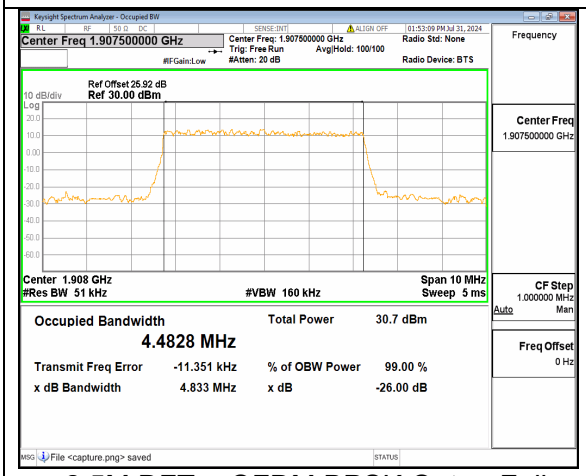

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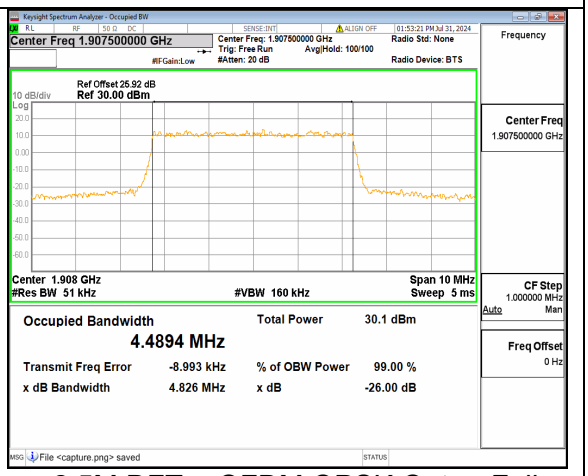

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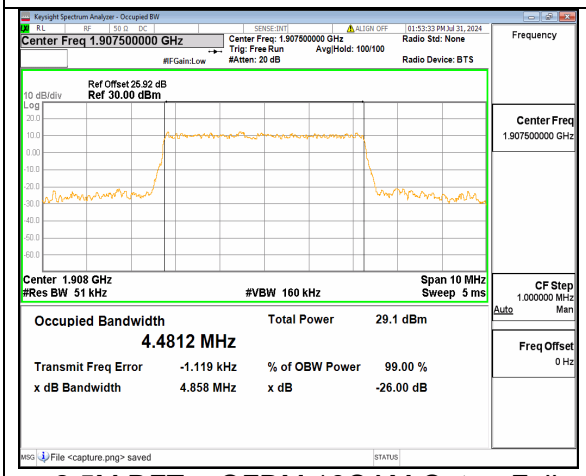

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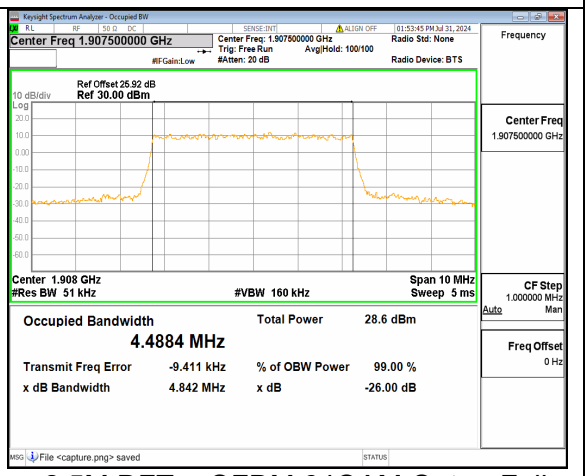
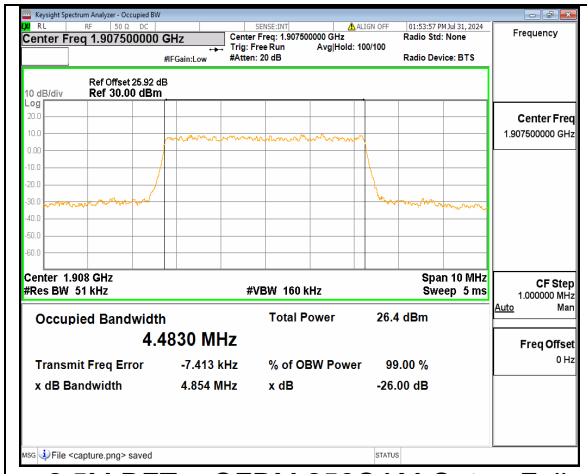
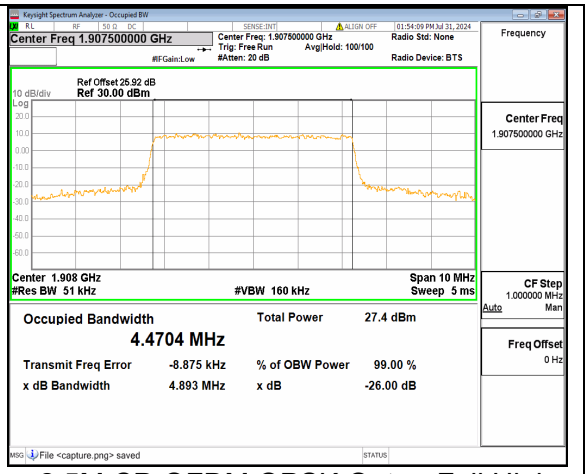


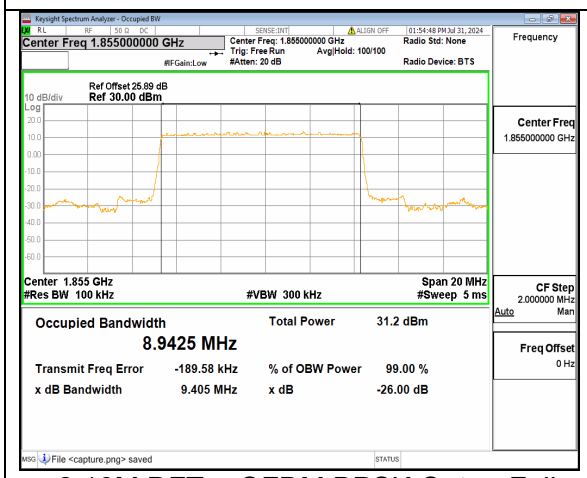
n2 5M DFT-s-OFDM 64QAM Outer_Full High



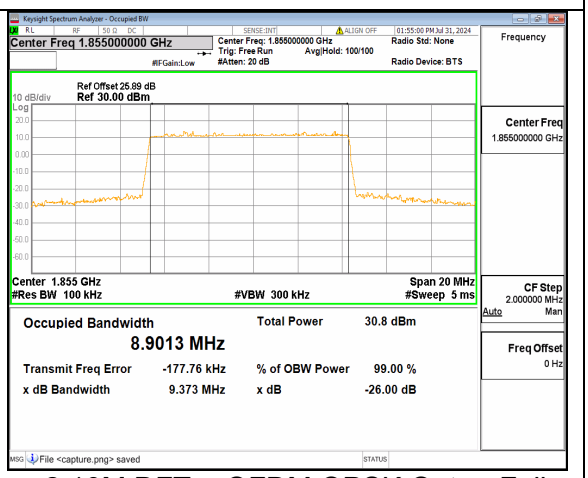
n2 5M DFT-s-OFDM 256QAM Outer_Full High



n2 5M CP-OFDM QPSK Outer_Full High



n2 10M DFT-s-OFDM BPSK Outer_Full Low



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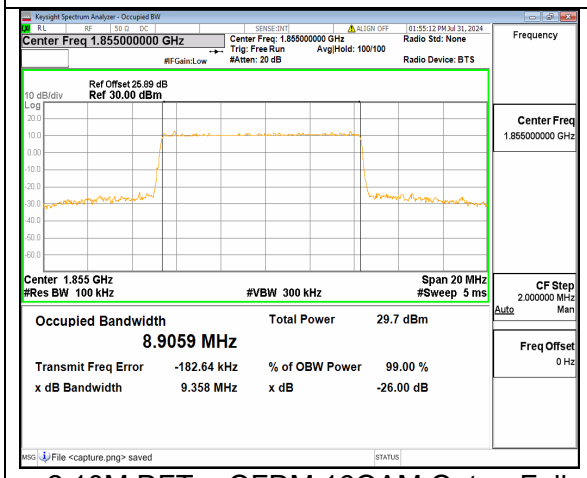

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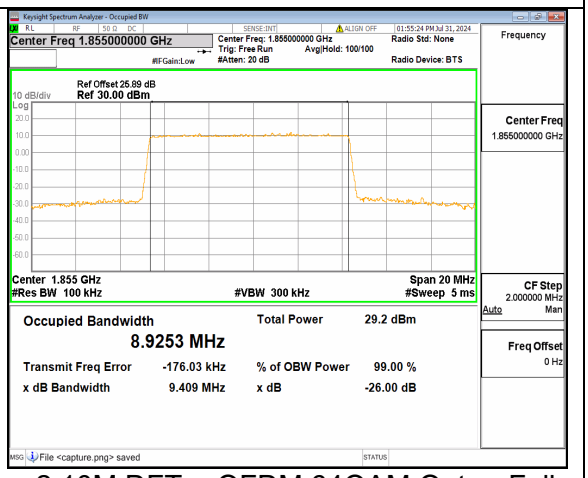
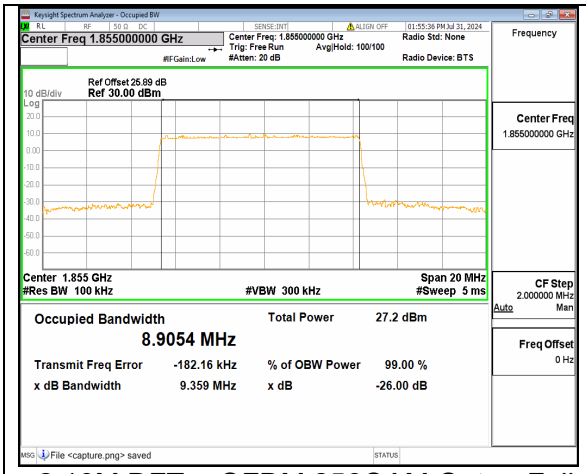
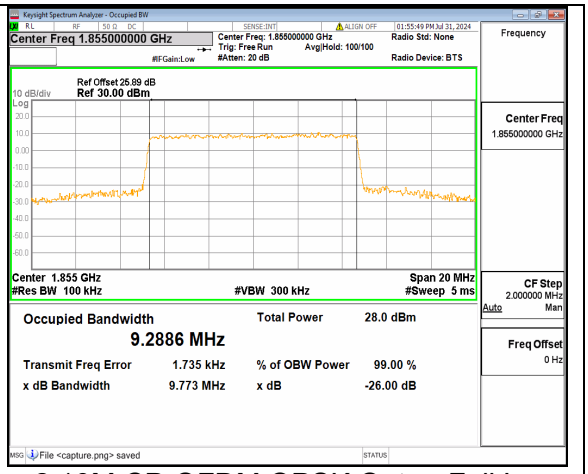


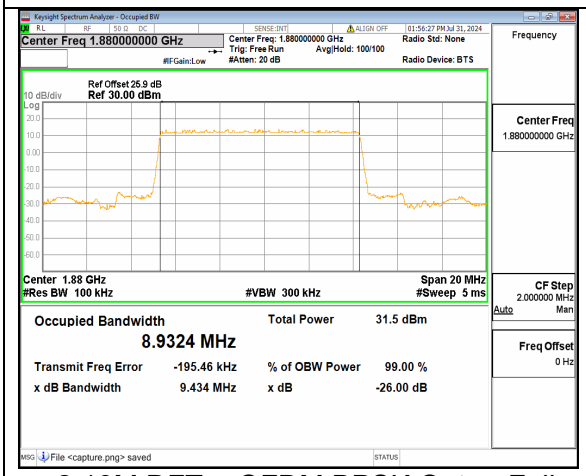
n2 10M DFT-s-OFDM 64QAM Outer_Full Low



n2 10M DFT-s-OFDM 256QAM Outer_Full Low



n2 10M CP-OFDM QPSK Outer_Full Low



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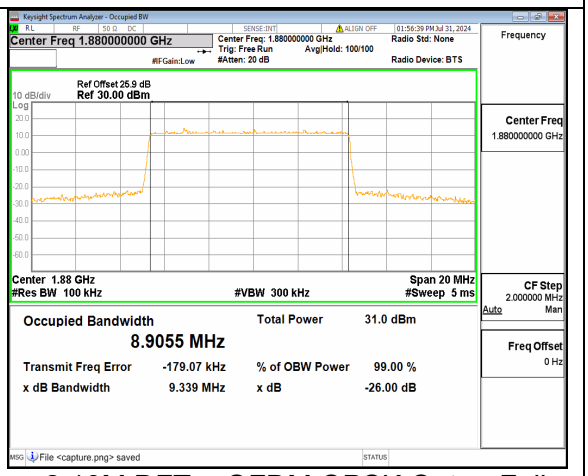

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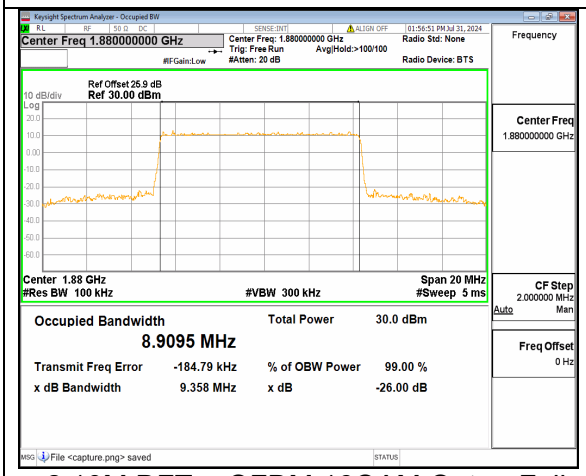

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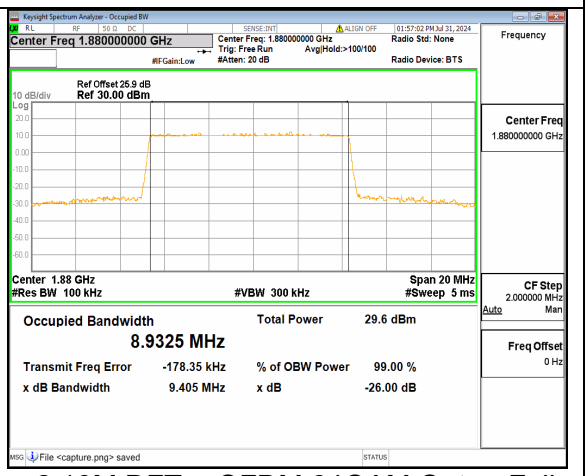

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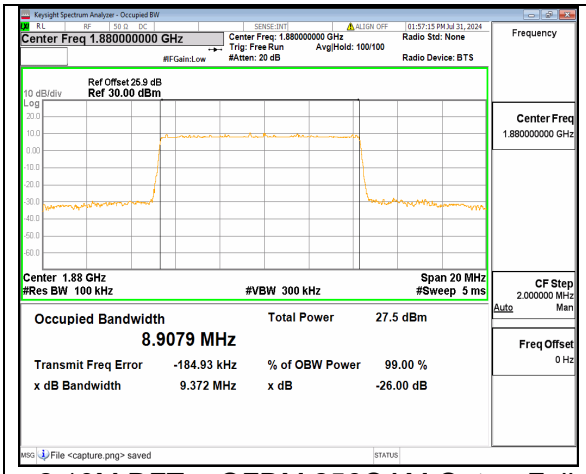

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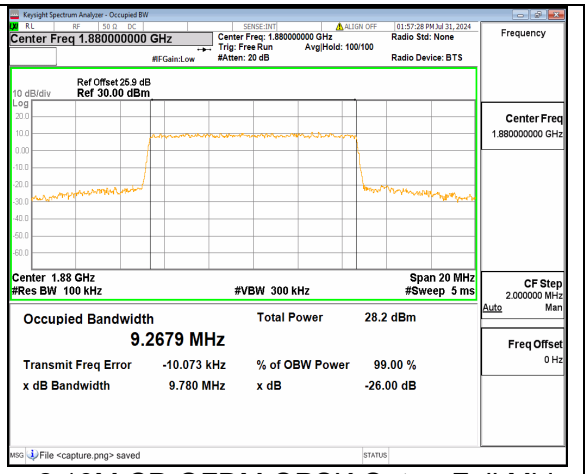

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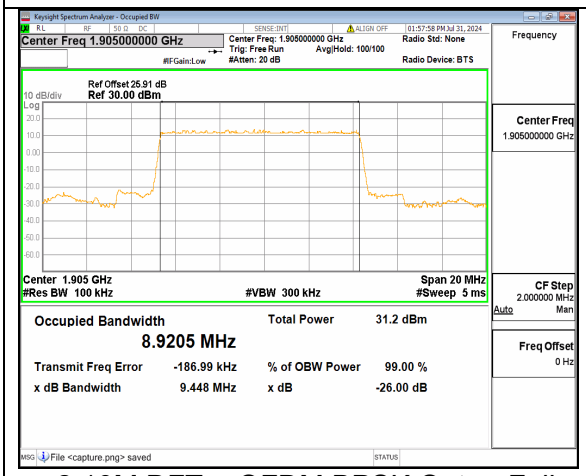

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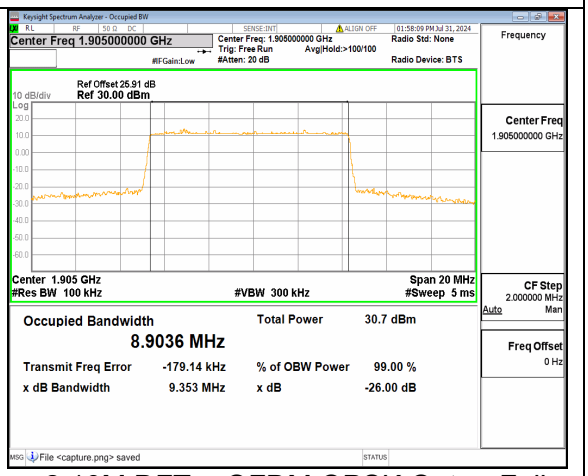

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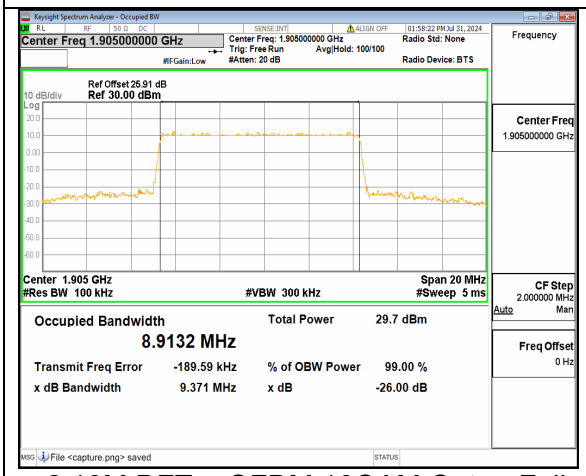

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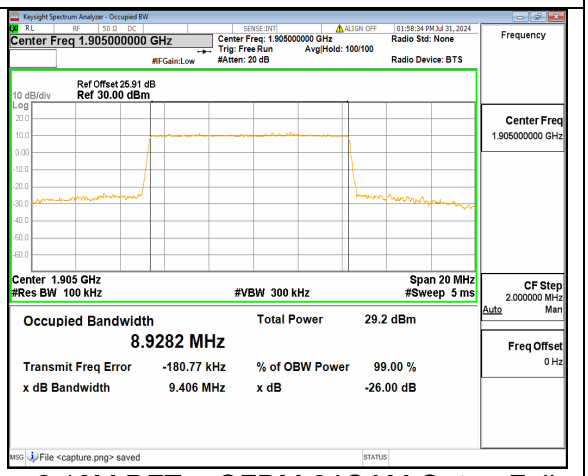
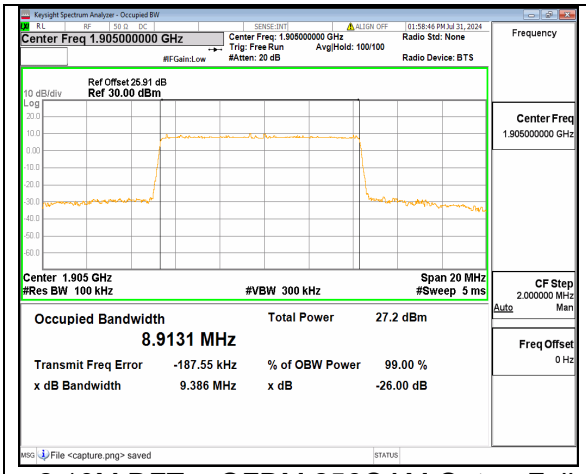


n2 10M DFT-s-OFDM 64QAM Outer_Full High



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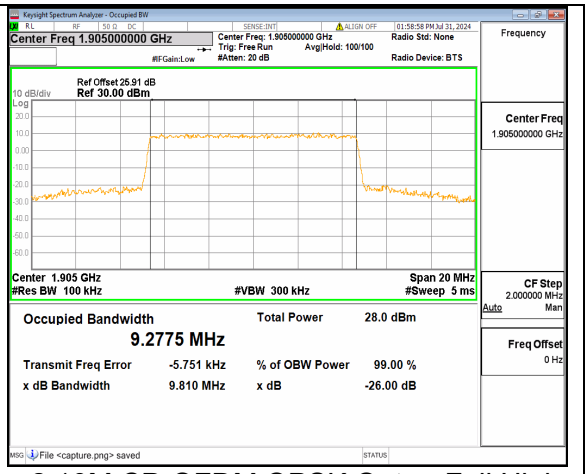
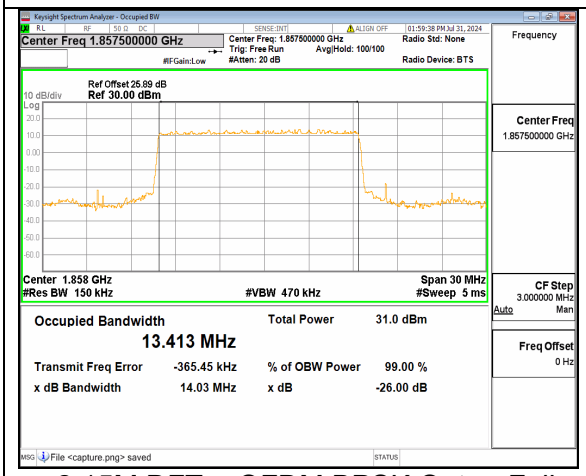
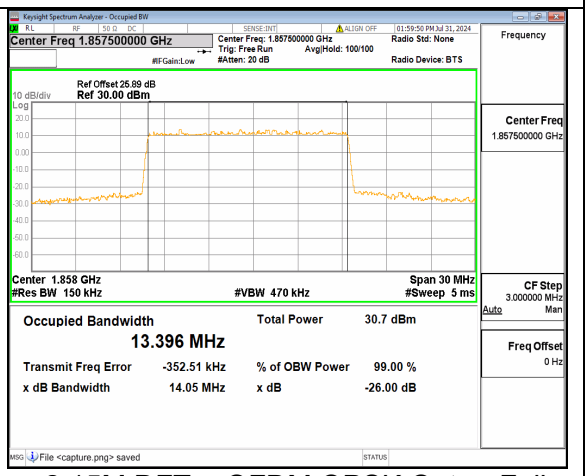


n2 10M CP-OFDM QPSK Outer_Full High



n2 15M DFT-s-OFDM BPSK Outer_Full Low



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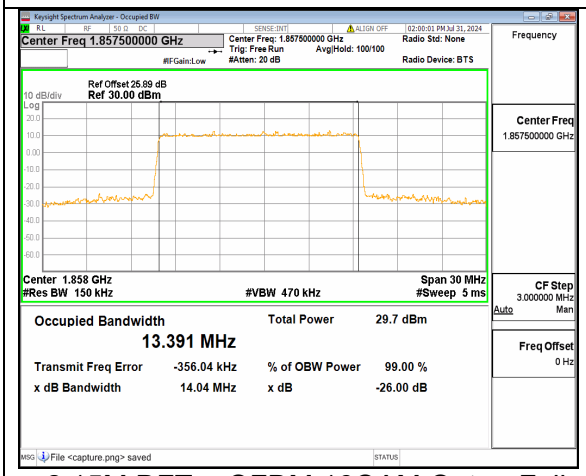
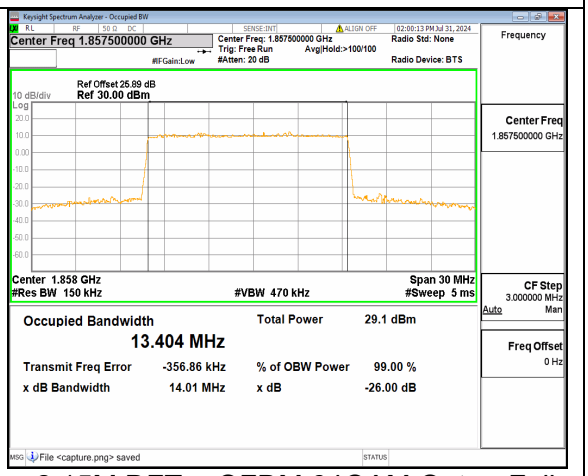
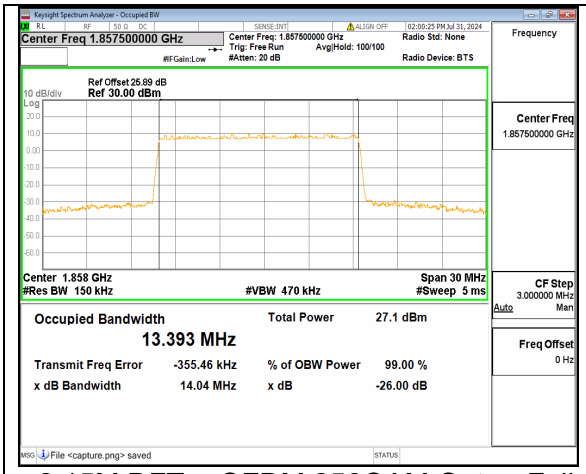


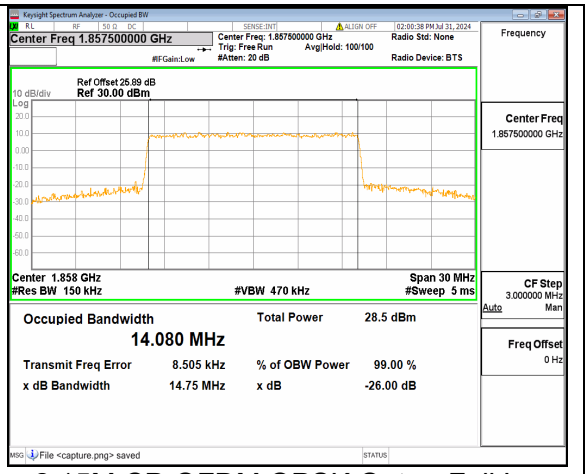
n2 15M DFT-s-OFDM 16QAM Outer_Full Low



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



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



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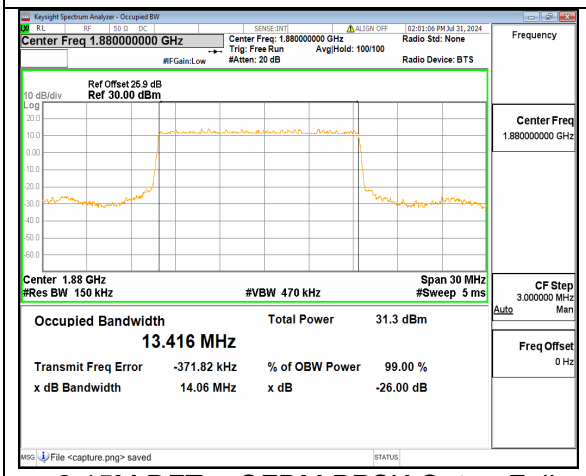

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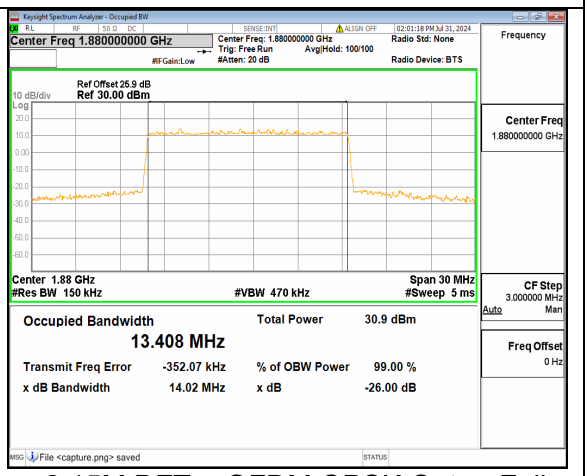

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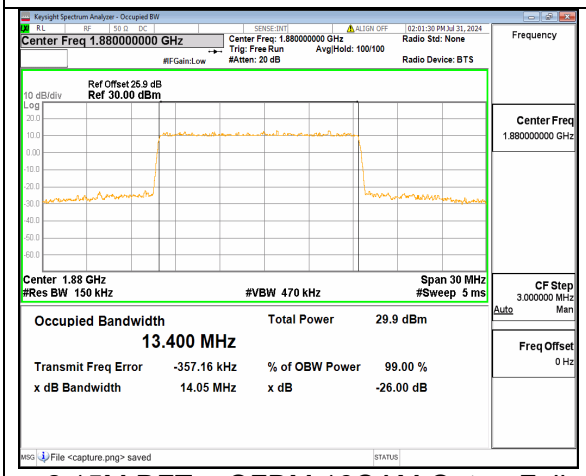
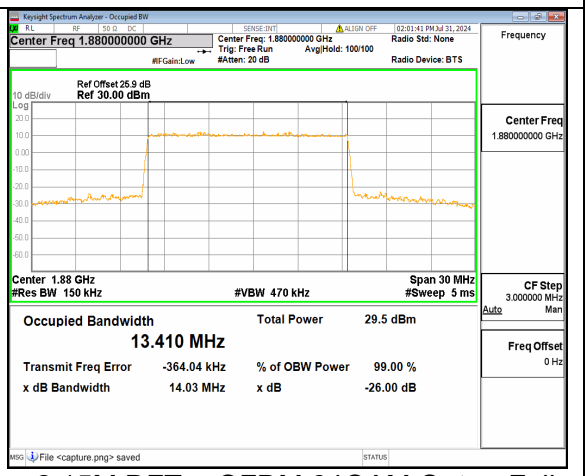
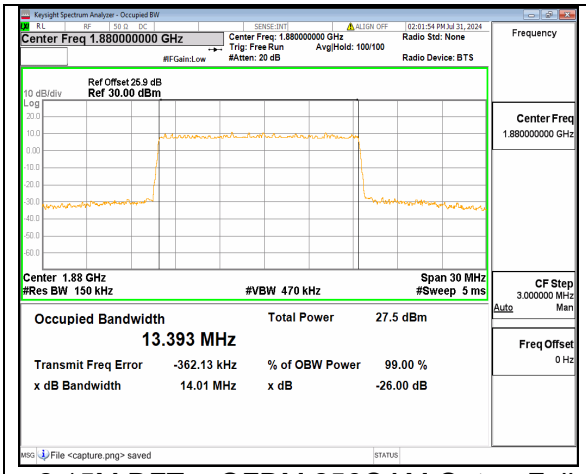


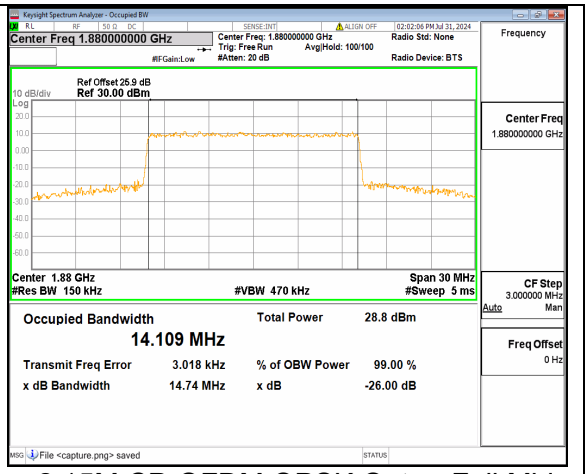
n2 15M DFT-s-OFDM 16QAM Outer_Full Mid



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



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



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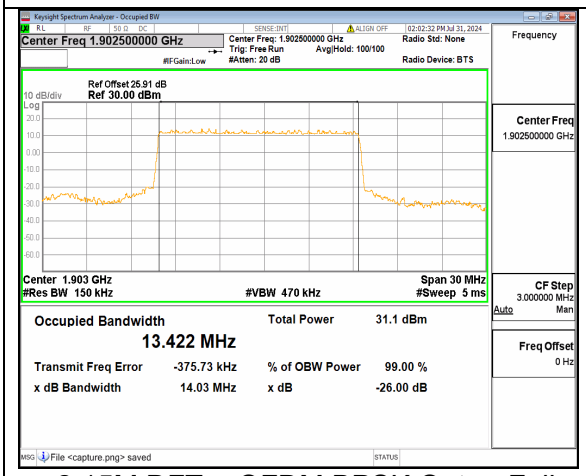
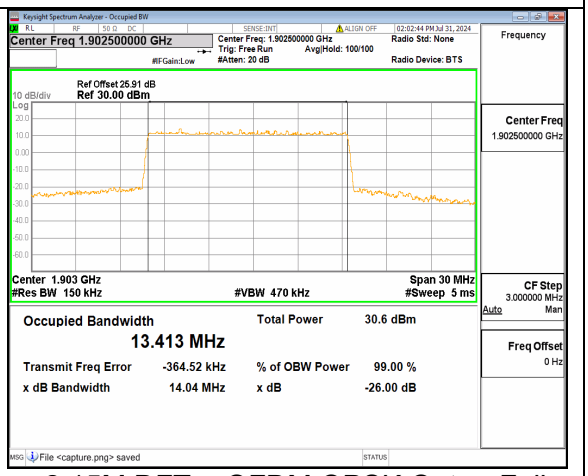
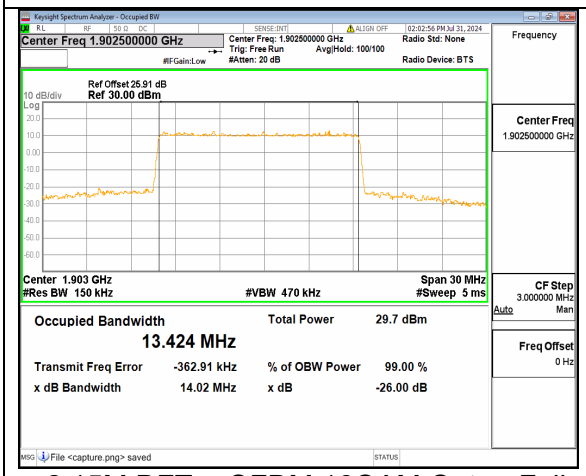


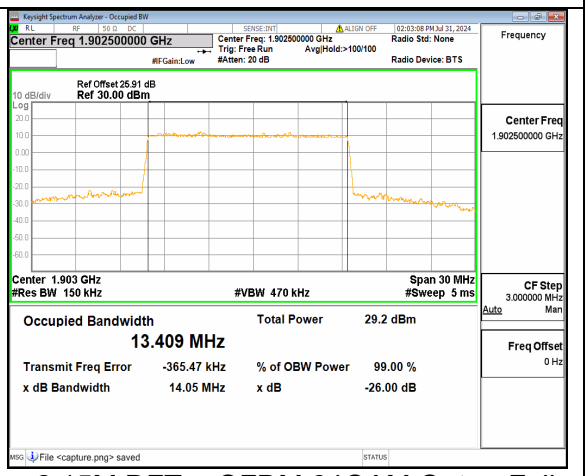
n2 15M DFT-s-OFDM BPSK Outer_Full High



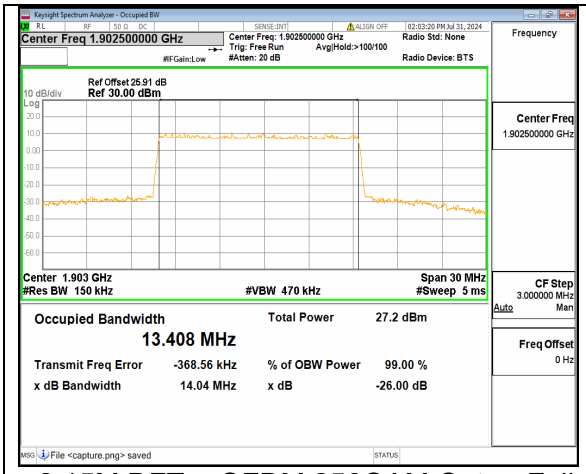
n2 15M DFT-s-OFDM QPSK Outer_Full High



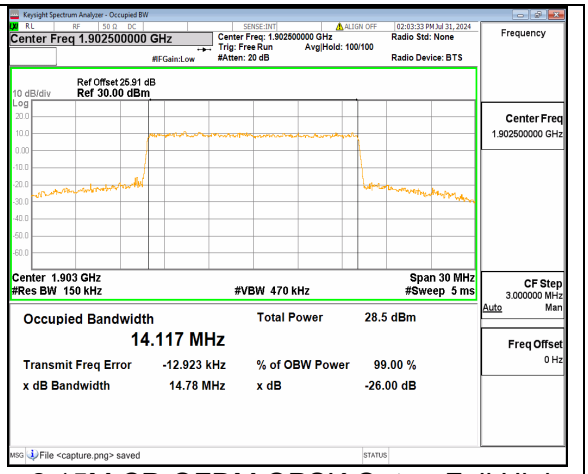
n2 15M DFT-s-OFDM 16QAM Outer_Full High



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



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



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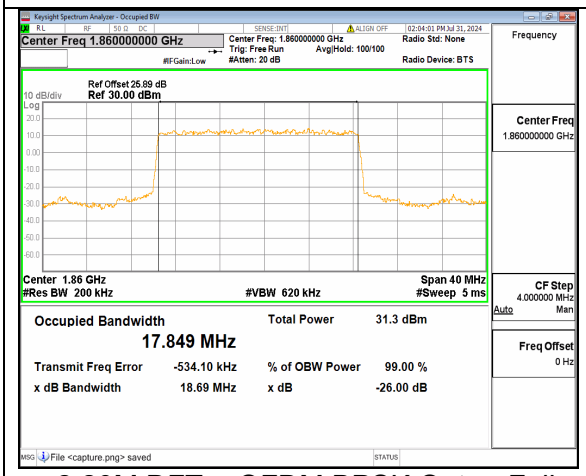

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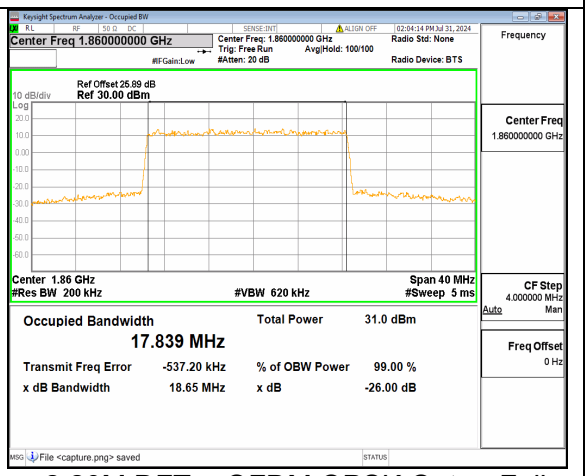

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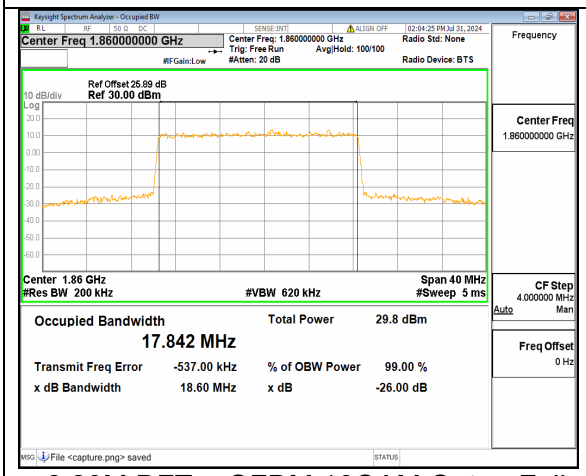

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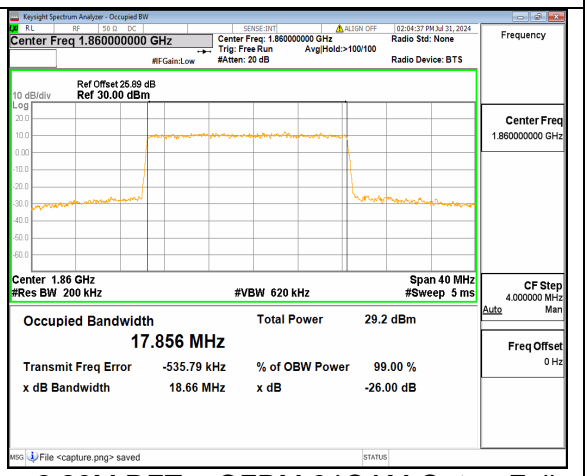

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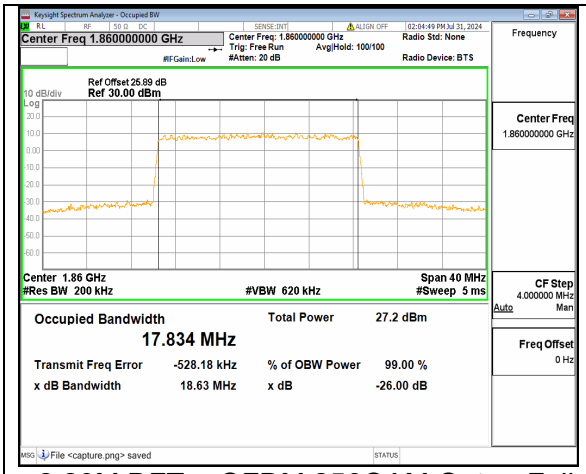
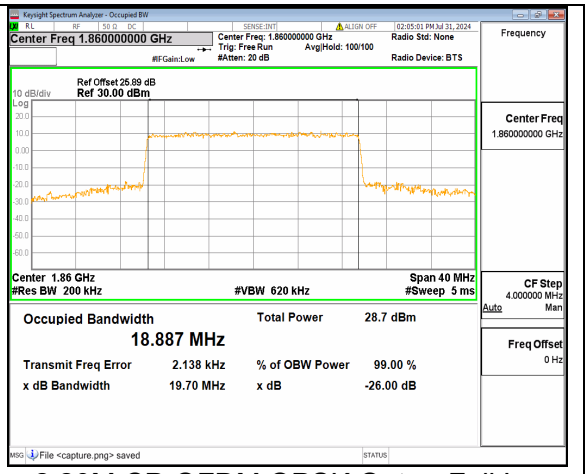


n2 20M DFT-s-OFDM 256QAM Outer_Full Low



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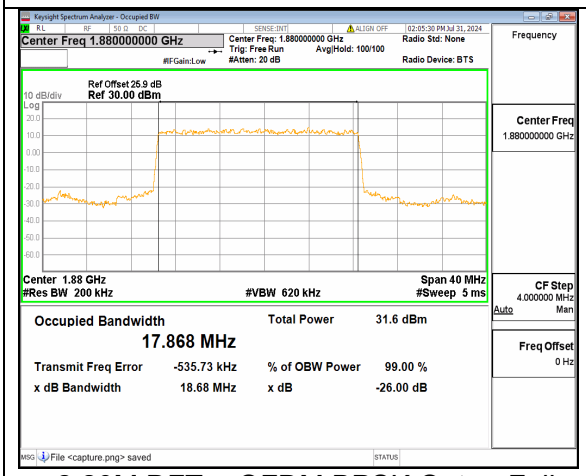

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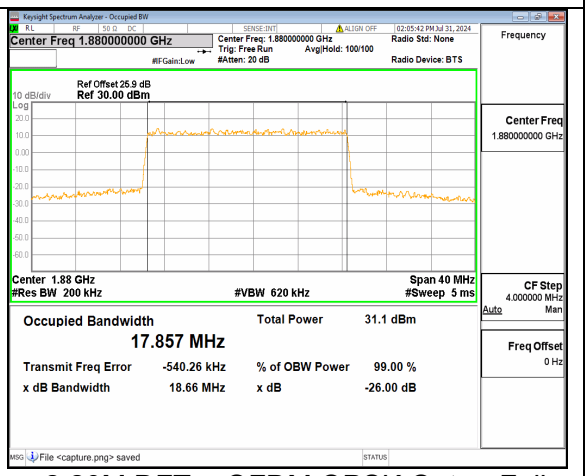

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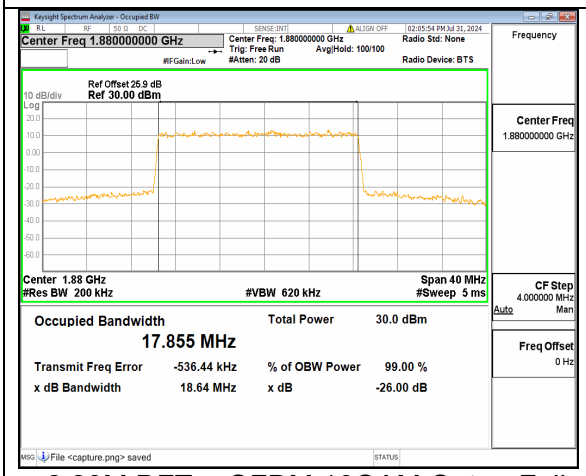

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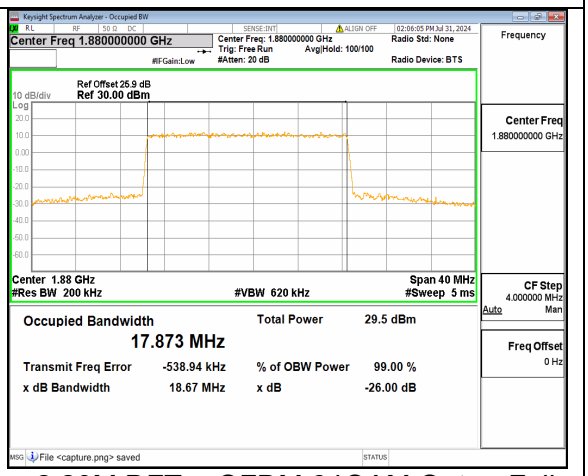
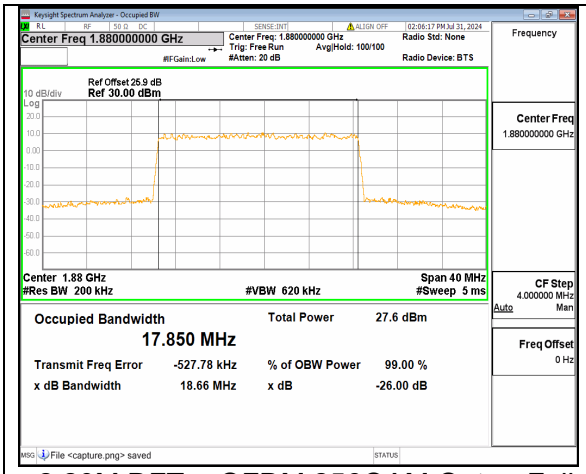
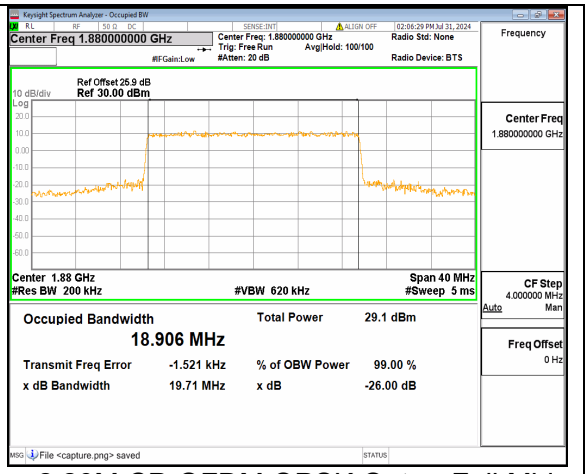


n2 20M DFT-s-OFDM 64QAM Outer_Full Mid



n2 20M DFT-s-OFDM 256QAM Outer_Full Mid



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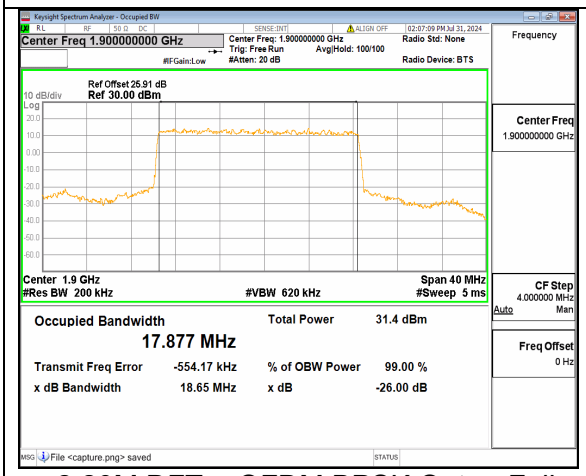
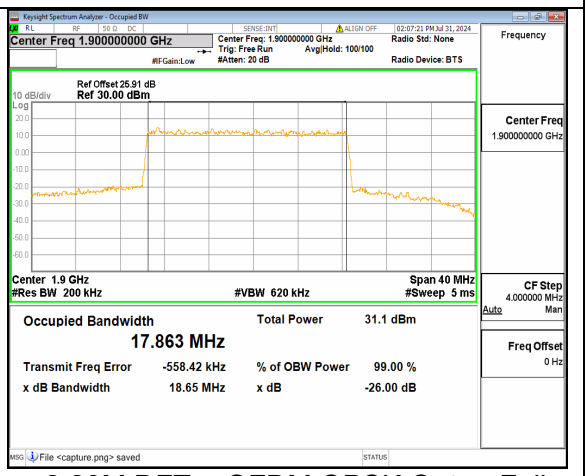


n2 20M DFT-s-OFDM BPSK Outer_Full High



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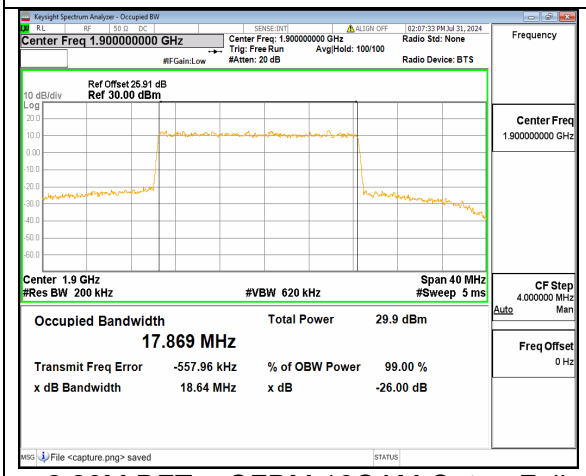
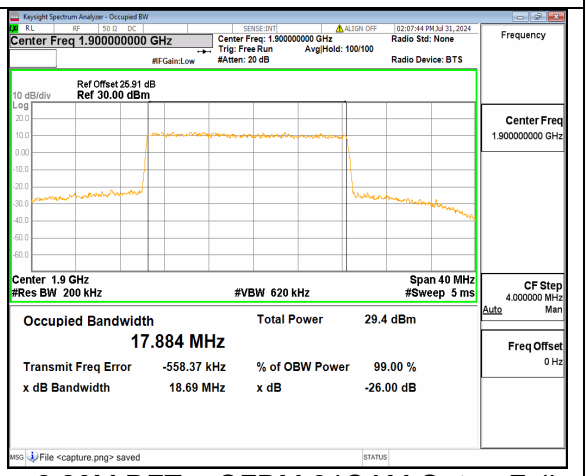
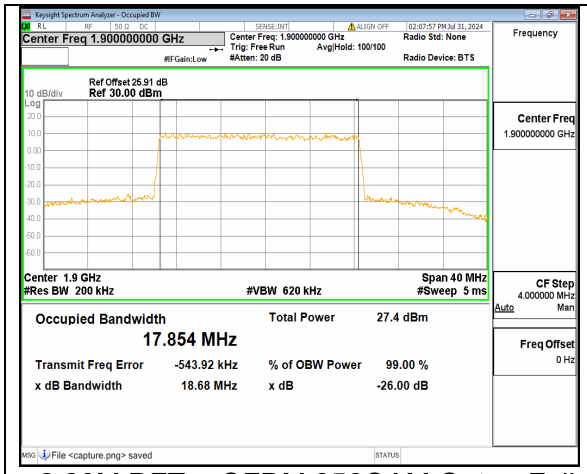


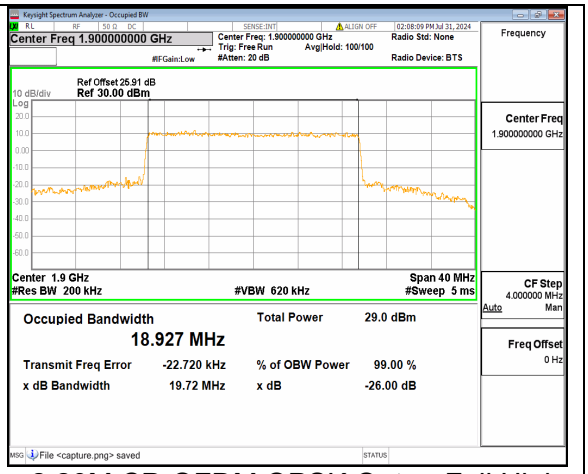
n2 20M DFT-s-OFDM 16QAM Outer_Full High



n2 20M DFT-s-OFDM 64QAM Outer_Full High



n2 20M DFT-s-OFDM 256QAM Outer_Full High



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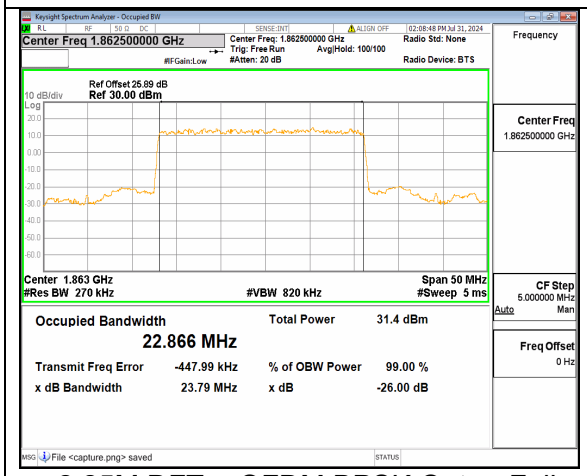

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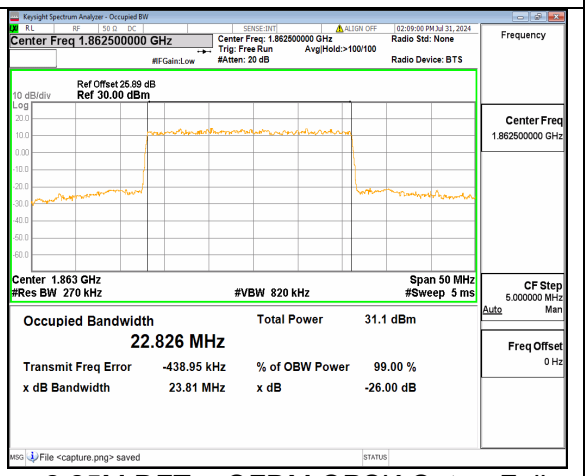

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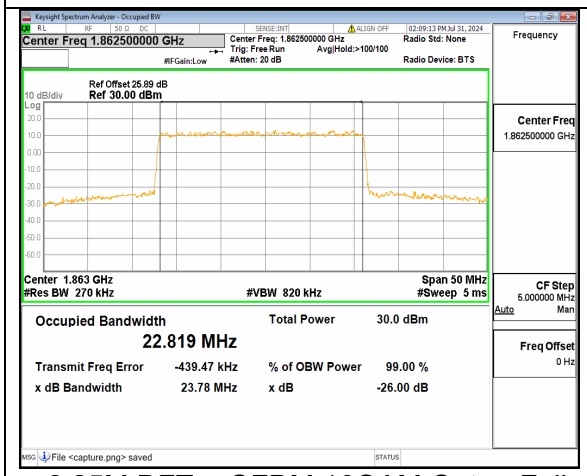

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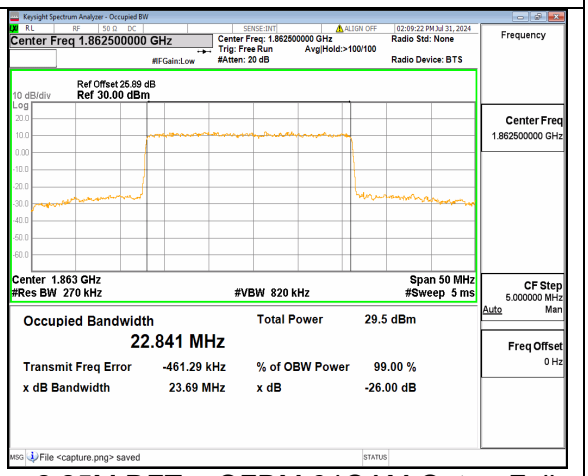
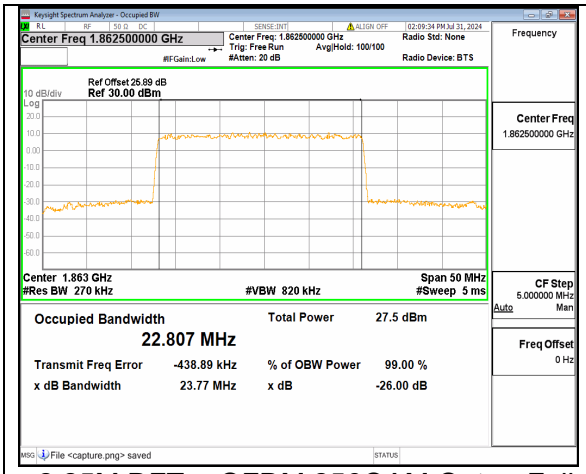
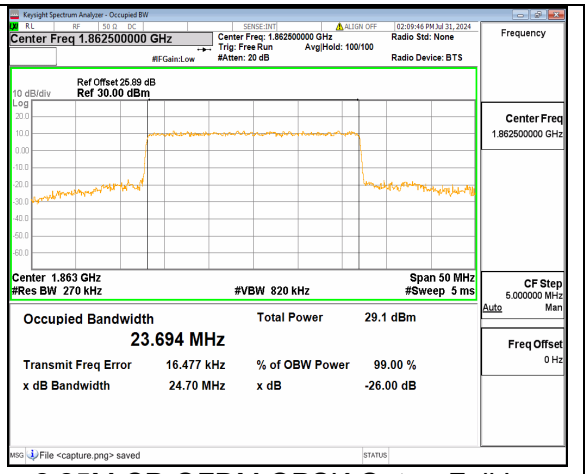


n2 25M DFT-s-OFDM 64QAM Outer_Full Low



n2 25M DFT-s-OFDM 256QAM Outer_Full Low



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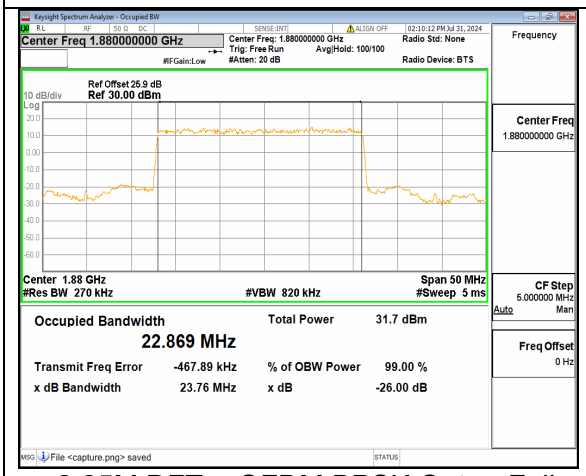

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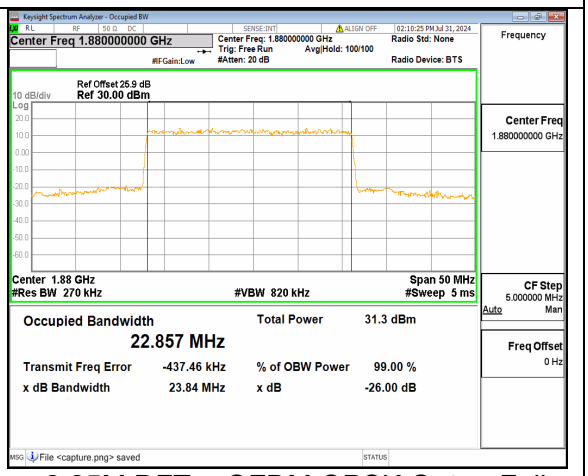

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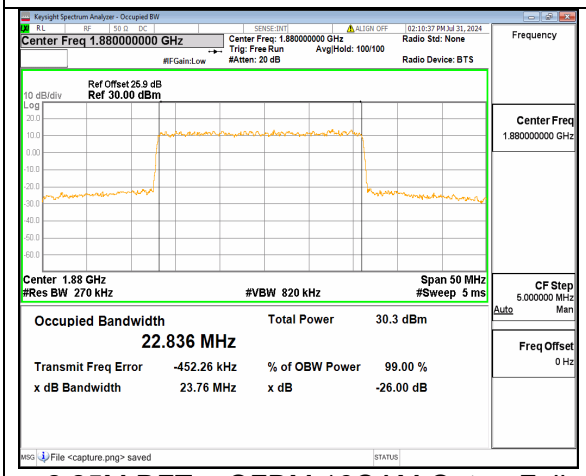

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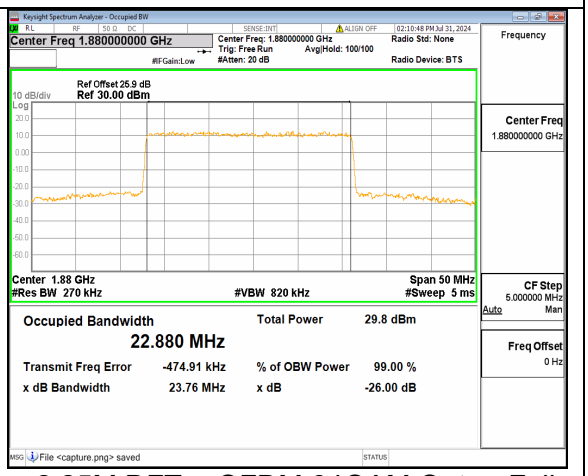

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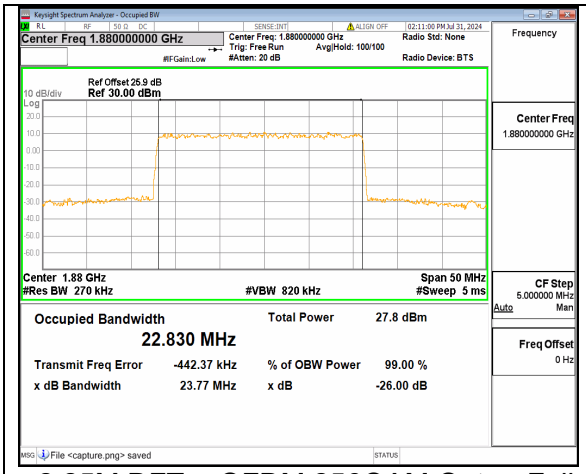

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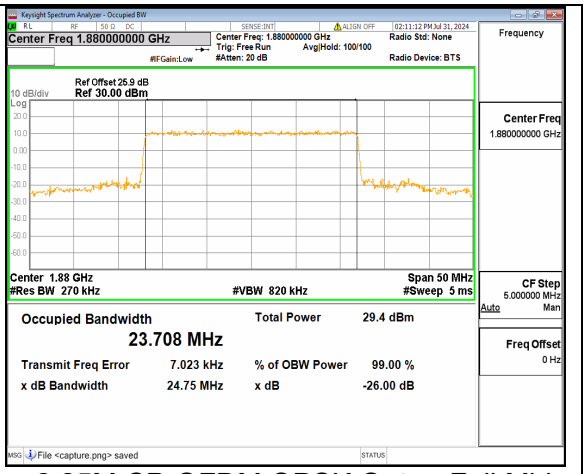
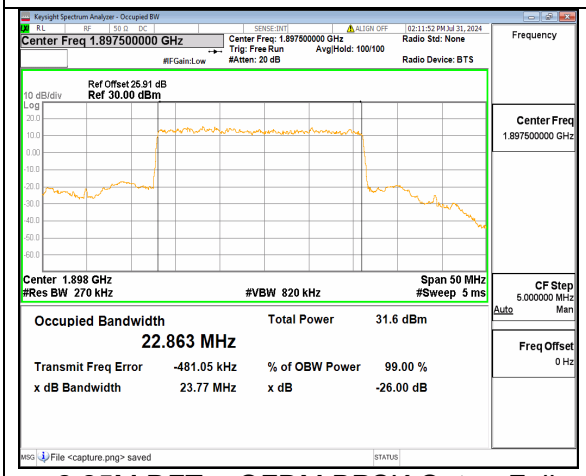
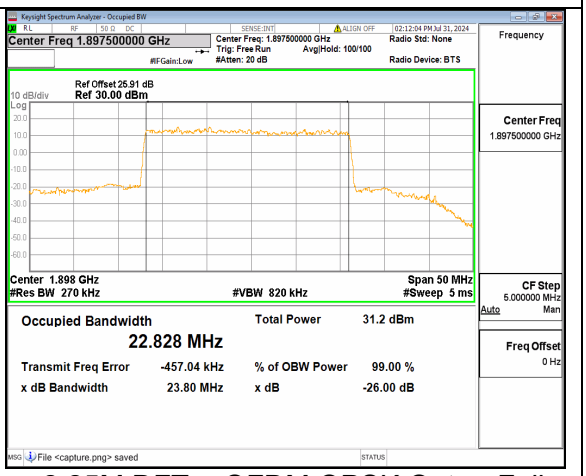


n2 25M CP-OFDM QPSK Outer_Full Mid



n2 25M DFT-s-OFDM BPSK Outer_Full High



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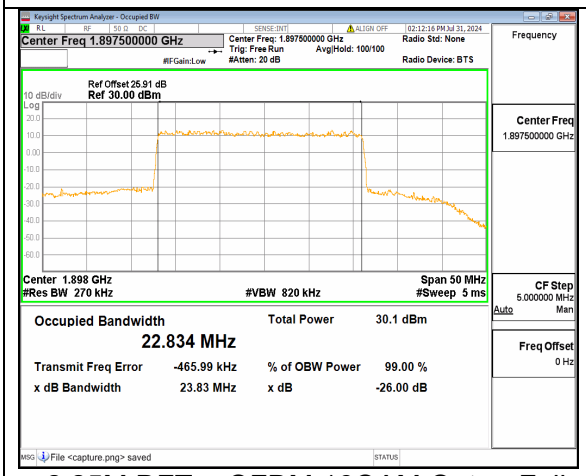
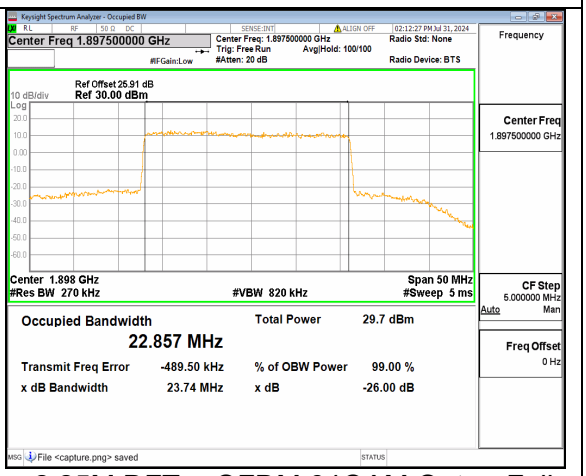
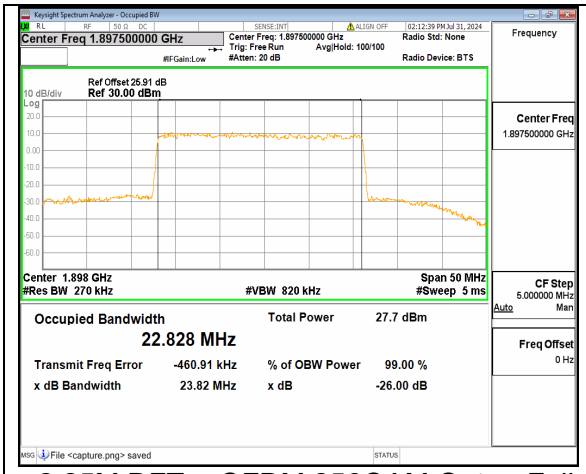


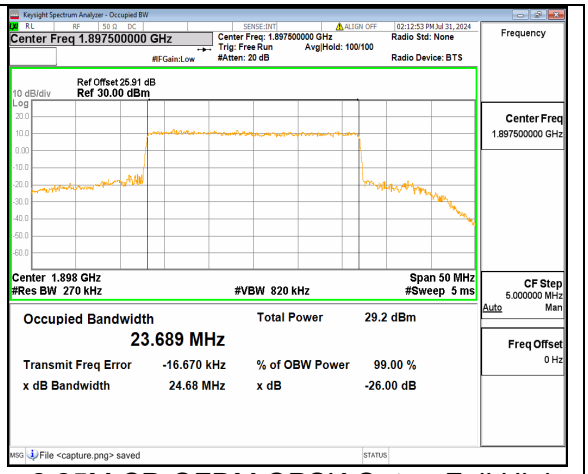
n2 25M DFT-s-OFDM 16QAM Outer_Full High



n2 25M DFT-s-OFDM 64QAM Outer_Full High



n2 25M DFT-s-OFDM 256QAM Outer_Full High



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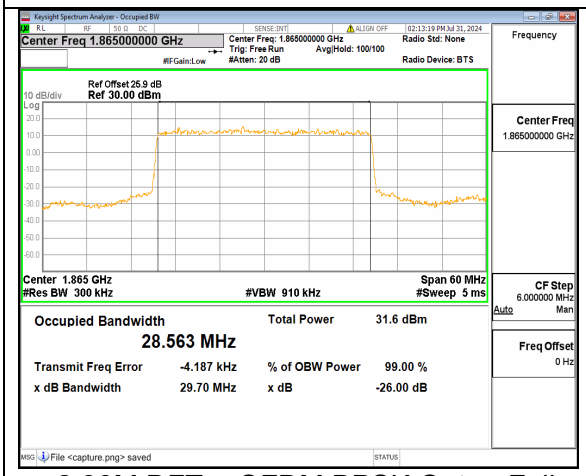
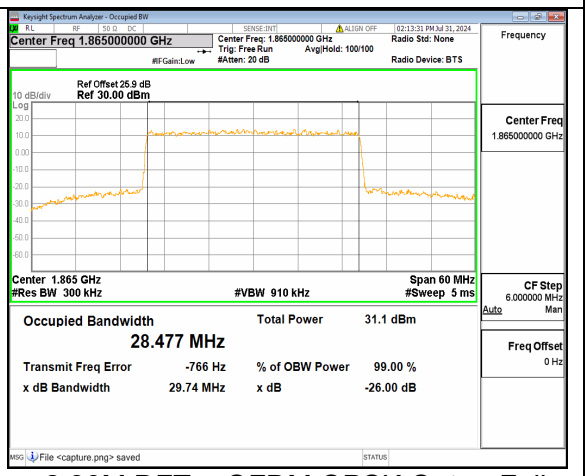


n2 30M DFT-s-OFDM BPSK Outer_Full Low



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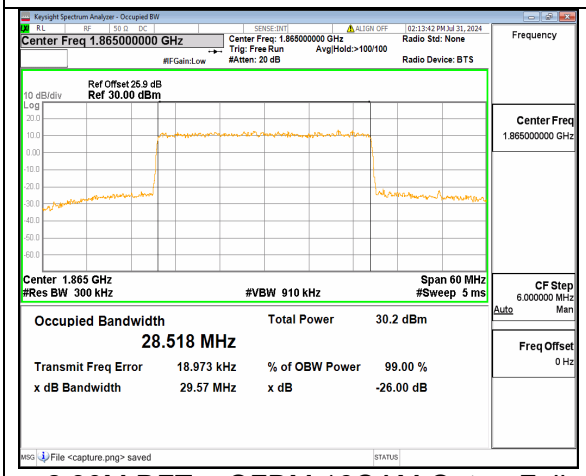
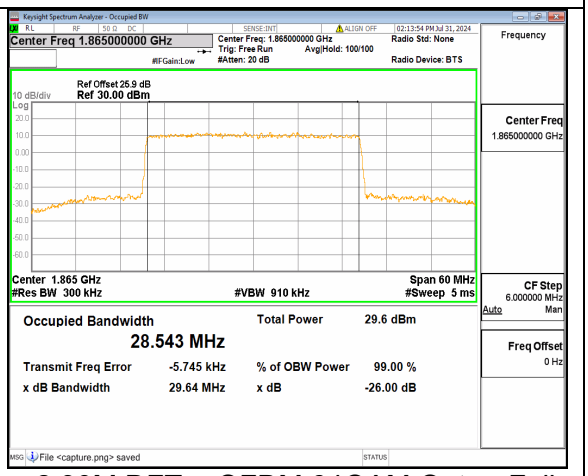


n2 30M DFT-s-OFDM 16QAM Outer_Full Low



n2 30M DFT-s-OFDM 64QAM Outer_Full Low