TEST REPORT

APPLICANT	:	JP Morgan Chase Bank N.A
PRODUCT NAME	:	PAYPAD_801_GEN1
MODEL NAME	:	BLADE_801_GEN1
BRAND NAME	:	Chase
FCC ID	:	2BHXP-BLAD08AA
STANDARD(S)	:	47 CFR Part 2, 47 CFR Part 24 47 CFR Part 27
RECEIPT DATE	:	2025-01-10
TEST DATE	:	2025-02-19 to 2025-03-31
ISSUE DATE	:	2025-05-07

Edited by: Gan Jing

Gan jing (Rapporteur)

Approved by: Shen Junsheng

Shen Junsheng (Supervisor)

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Change History		
Version	Date	Reason for change
1.0	2025-05-07	First edition

1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	JP Morgan Chase Bank N.A
Applicant Address:	70 Fargo St, Boston, MA, USA 02210
Manufacturer:	JP Morgan Chase Bank N.A
Manufacturer Address:	70 Fargo St, Boston, MA, USA 02210

1.2. Equipment Under Test (EUT) Description

Product Name:	PAYPAD_801_GEN1	
Hardware Version:	PVT	
Software Version:	BLADE_801_GEN1.BE2M.20250403	
Modulation Type:	DFT-s-OFDM	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM
	CP-OFDM	QPSK, 16QAM, 64QAM, 256QAM
Power Class:	PC2:	n77
	PC3:	n2, n5, n41, n66, n71, n77
EN-DC Band:	n2	DC_5A_n2, DC_12A_n2, DC_66A_n2
	n5	DC_2A_n5, DC_66A_n5
	n41	DC_2A_n41, DC_66A_n41
	n66	DC_2A_n66, DC_12A_n66
	n71	DC_2A_n71, DC_66A_n71
	n77	DC_2A_n77, DC_5A_n77, DC_12A_n77, DC_66A_n77
Frequency Range:	n2	Tx: 1850MHz-1910MHz
		Rx: 1930MHz-1990MHz
	n5	Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	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
	n5	5MHz, 10MHz, 15MHz, 20MHz
	n41	20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz
	n66	5MHz, 10MHz, 15MHz, 20MHz, 30MHz, 40MHz
	n71	5MHz, 10MHz, 15MHz, 20MHz
	n77	20MHz, 30MHz, 40MHz, 60MHz, 80MHz, 100MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	n2	1.55dBi
	n5	-1.08dBi
	n41	-0.43dBi
	n66	0.13dBi
	n71	-3.80dBi
	n77	0.84dBi
Accessory Information:	**Battery :**	
	Brand Name:	Chase
	Model No.:	860010
	Serial No.:	N/A
	Capacity:	6150mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.40V
	Manufacturer:	Shenzhen GUANGWEI Electronic Technology Co., Ltd.
	AC Adapter :	
	Brand Name:	N/A
	Model No.:	N/A
	Serial No.:	N/A
	Rated Input:	100-240V~50/60HZ, 0.5A
	Rated Output:	9V⎓2.22A, 20W
	Manufacturer1:	N/A
	USB Cable :	
	Model No.:	HC-0412
	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.

Note 2: n77 supports both power class 2 and class 3. We have evaluated two power classes respectively by performing full test, for Conducted Output Power .we recorded the test result of two power classes separately, for other test items we only recorded the worst test result (Class 2) in this report.

1.3. Maximum ERP/EIRP and Emission Designator

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

ERP (dBm) = EIPR (dBm) - 2.15

B66_n2						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4887	4M49G7D
	QPSK	24.09	25.64	0.366	4.496	4M50G7D
	16QAM	/	/	/	4.4934	4M49W7D
	64QAM	/	/	/	4.4769	4M48W7D
	256QAM	/	/	/	4.4894	4M49W7D
	CP-QPSK	/	/	/	4.4813	4M48G7D
10	PI/2 BPSK	/	/	/	8.9291	8M93G7D
	QPSK	24.10	25.65	0.367	8.9312	8M93G7D
	16QAM	/	/	/	8.9532	8M95W7D
	64QAM	/	/	/	8.9294	8M93W7D
	256QAM	/	/	/	8.9277	8M93W7D
	CP-QPSK	/	/	/	9.3015	9M30G7D
15	PI/2 BPSK	/	/	/	13.415	13M4G7D
	QPSK	24.05	25.60	0.363	13.423	13M4G7D
	16QAM	/	/	/	13.423	13M4W7D
	64QAM	/	/	/	13.406	13M4W7D
	256QAM	/	/	/	13.436	13M4W7D
	CP-QPSK	/	/	/	14.115	14M1G7D
20	PI/2 BPSK	24.10	25.65	0.367	17.876	17M9G7D
	QPSK	24.12	25.67	0.369	17.886	17M9G7D
	16QAM	23.37	24.92	0.310	17.896	17M9W7D
	64QAM	21.56	23.11	0.205	17.909	17M9W7D
	256QAM	19.51	21.06	0.128	17.867	17M9W7D
	CP-QPSK	/	/	/	18.927	18M9G7D

B66_n5						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.494	4M49G7D
	QPSK	23.89	20.66	0.116	4.4742	4M47G7D
	16QAM	/	/	/	4.4907	4M49W7D
	64QAM	/	/	/	4.5151	4M52W7D
	256QAM	/	/	/	4.489	4M49W7D
	CP-QPSK	/	/	/	4.4933	4M49G7D
10	PI/2 BPSK	/	/	/	8.9326	8M93G7D
	QPSK	23.88	20.65	0.116	8.9489	8M95G7D
	16QAM	/	/	/	8.9188	8M92W7D
	64QAM	/	/	/	8.9668	8M97W7D
	256QAM	/	/	/	8.9375	8M94W7D
	CP-QPSK	/	/	/	9.3006	9M30G7D
15	PI/2 BPSK	/	/	/	13.458	13M5G7D
	QPSK	24.06	20.83	0.121	13.419	13M4G7D
	16QAM	/	/	/	13.433	13M4W7D
	64QAM	/	/	/	13.418	13M4W7D
	256QAM	/	/	/	13.44	13M4W7D
	CP-QPSK	/	/	/	14.092	14M1G7D
20	PI/2 BPSK	24.05	20.82	0.121	17.856	17M9G7D
	QPSK	24.30	21.07	0.128	17.896	17M9G7D
	16QAM	24.29	21.06	0.128	17.839	17M8W7D
	64QAM	22.75	19.52	0.090	17.82	17M8W7D
	256QAM	20.71	17.48	0.056	17.805	17M8W7D
	CP-QPSK	/	/	/	18.91	18M9G7D

B66_n41(PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	17.887	17M9G7D
	QPSK	26.11	25.68	0.370	17.915	17M9G7D
	16QAM	/	/	/	17.901	17M9W7D
	64QAM	/	/	/	17.914	17M9W7D
	256QAM	/	/	/	17.883	17M9W7D

	CP-QPSK	/	/	/	17.886	17M9G7D
30	PI/2 BPSK	/	/	/	26.9	26M9G7D
	QPSK	26.15	25.72	0.373	26.857	26M9G7D
	16QAM	/	/	/	26.884	26M9W7D
	64QAM	/	/	/	26.864	26M9W7D
	256QAM	/	/	/	26.932	26M9W7D
	CP-QPSK	/	/	/	26.764	26M8G7D
40	PI/2 BPSK	/	/	/	35.763	35M8G7D
	QPSK	26.14	25.71	0.372	35.837	35M8G7D
	16QAM	/	/	/	35.774	35M8W7D
	64QAM	/	/	/	35.766	35M8W7D
	256QAM	/	/	/	35.717	35M7W7D
	CP-QPSK	/	/	/	35.764	35M8G7D
50	PI/2 BPSK	/	/	/	45.868	45M9G7D
	QPSK	26.12	25.69	0.371	45.822	45M8G7D
	16QAM	/	/	/	45.729	45M7W7D
	64QAM	/	/	/	45.713	45M7W7D
	256QAM	/	/	/	45.807	45M8W7D
	CP-QPSK	/	/	/	45.812	45M8G7D
60	PI/2 BPSK	/	/	/	57.85	57M9G7D
	QPSK	26.14	25.71	0.372	57.844	57M8G7D
	16QAM	/	/	/	57.862	57M9W7D
	64QAM	/	/	/	57.79	57M8W7D
	256QAM	/	/	/	57.853	57M9W7D
	CP-QPSK	/	/	/	58.073	58M1G7D
70	PI/2 BPSK	/	/	/	64.309	64M3G7D
	QPSK	26.16	25.73	0.374	64.283	64M3G7D
	16QAM	/	/	/	64.346	64M4W7D
	64QAM	/	/	/	64.318	64M3W7D
	256QAM	/	/	/	64.455	64M5W7D
	CP-QPSK	/	/	/	64.39	64M4G7D
80	PI/2 BPSK	/	/	/	77.069	77M1G7D
	QPSK	26.09	25.66	0.368	77.047	77M1G7D
	16QAM	/	/	/	77.133	77M1W7D
	64QAM	/	/	/	77.143	77M1W7D
	256QAM	/	/	/	77.216	77M2W7D
	CP-QPSK	/	/	/	77.128	77M1G7D

90	PI/2 BPSK	/	/	/	86.735	86M7G7D
	QPSK	26.04	25.61	0.364	86.972	87M0G7D
	16QAM	/	/	/	86.762	86M8W7D
	64QAM	/	/	/	86.894	86M9W7D
	256QAM	/	/	/	86.62	86M6W7D
	CP-QPSK	/	/	/	86.788	86M8G7D
100	PI/2 BPSK	26.17	25.74	0.375	96.354	96M4G7D
	QPSK	26.18	25.75	0.376	96.385	96M4G7D
	16QAM	25.35	24.92	0.310	96.387	96M4W7D
	64QAM	23.97	23.54	0.226	96.284	96M3W7D
	256QAM	21.58	21.15	0.130	96.263	96M3W7D
	CP-QPSK	/	/	/	96.524	96M5G7D

B66_n41(PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
20	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.30	22.87	0.194	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	23.39	22.96	0.198	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	23.36	22.93	0.196	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	23.32	22.89	0.195	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	22.75	22.32	0.171	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	23.31	22.88	0.194	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	23.21	22.78	0.190	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	23.19	22.76	0.189	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	23.36	22.93	0.196	N/A	N/A
	QPSK	23.48	23.05	0.202	N/A	N/A
	16QAM	23.39	22.96	0.198	N/A	N/A
	64QAM	23.47	23.04	0.201	N/A	N/A
	256QAM	21.66	21.23	0.133	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A

B12_n66						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4893	4M49G7D
	QPSK	24.09	24.22	0.264	4.4882	4M49G7D
	16QAM	/	/	/	4.4866	4M49W7D
	64QAM	/	/	/	4.5072	4M51W7D
	256QAM	/	/	/	4.4873	4M49W7D
	CP-QPSK	/	/	/	4.4948	4M49G7D
10	PI/2 BPSK	/	/	/	8.958	8M96G7D
	QPSK	24.08	24.21	0.264	8.9768	8M98G7D
	16QAM	/	/	/	8.9617	8M96W7D
	64QAM	/	/	/	8.9833	8M98W7D
	256QAM	/	/	/	8.961	8M96W7D
	CP-QPSK	/	/	/	9.3141	9M31G7D
15	PI/2 BPSK	/	/	/	13.459	13M5G7D
	QPSK	24.03	24.16	0.261	13.472	13M5G7D
	16QAM	/	/	/	13.47	13M5W7D
	64QAM	/	/	/	13.441	13M4W7D
	256QAM	/	/	/	13.469	13M5W7D
	CP-QPSK	/	/	/	14.133	14M1G7D
20	PI/2 BPSK	/	/	/	17.903	17M9G7D
	QPSK	24.00	24.13	0.259	17.949	18M0G7D
	16QAM	/	/	/	17.89	17M9W7D
	64QAM	/	/	/	17.87	17M9W7D
	256QAM	/	/	/	17.862	17M9W7D
	CP-QPSK	/	/	/	18.973	19M0G7D
30	PI/2 BPSK	/	/	/	28.677	28M7G7D
	QPSK	23.99	24.12	0.258	28.683	28M7G7D
	16QAM	/	/	/	28.676	28M7W7D
	64QAM	/	/	/	28.537	28M5W7D
	256QAM	/	/	/	28.632	28M6W7D
	CP-QPSK	/	/	/	28.559	28M6G7D
40	PI/2 BPSK	24.17	24.30	0.269	38.554	38M6G7D
	QPSK	24.19	24.32	0.270	38.614	38M6G7D
	16QAM	23.32	23.45	0.221	38.561	38M6W7D

	64QAM	21.53	21.66	0.147	38.582	38M6W7D
	256QAM	19.74	19.87	0.097	38.603	38M6W7D
	CP-QPSK	/	/	/	38.609	38M6G7D

B2_n71						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4836	4M48G7D
	QPSK	23.02	17.07	0.051	4.4986	4M50G7D
	16QAM	/	/	/	4.4879	4M49W7D
	64QAM	/	/	/	4.4755	4M48W7D
	256QAM	/	/	/	4.4912	4M49W7D
	CP-QPSK	/	/	/	4.477	4M48G7D
10	PI/2 BPSK	/	/	/	8.9173	8M92G7D
	QPSK	23.05	17.10	0.051	8.9208	8M92G7D
	16QAM	/	/	/	8.9384	8M94W7D
	64QAM	/	/	/	8.9211	8M92W7D
	256QAM	/	/	/	8.9225	8M92W7D
	CP-QPSK	/	/	/	9.2862	9M29G7D
15	PI/2 BPSK	/	/	/	13.415	13M4G7D
	QPSK	23.05	17.10	0.051	13.407	13M4G7D
	16QAM	/	/	/	13.419	13M4W7D
	64QAM	/	/	/	13.387	13M4W7D
	256QAM	/	/	/	13.432	13M4W7D
	CP-QPSK	/	/	/	14.109	14M1G7D
20	PI/2 BPSK	22.97	17.02	0.050	17.853	17M9G7D
	QPSK	23.08	17.13	0.052	17.85	17M9G7D
	16QAM	22.35	16.40	0.044	17.869	17M9W7D
	64QAM	20.84	14.89	0.031	17.886	17M9W7D
	256QAM	18.45	12.50	0.018	17.847	17M9W7D
	CP-QPSK	/	/	/	18.881	18M9G7D

B12_n77(3450-3550MHz)(PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
20	PI/2 BPSK	/	/	/	17.891	17M9G7D
	QPSK	26.48	27.32	0.540	17.898	17M9G7D
	16QAM	/	/	/	17.88	17M9W7D
	64QAM	/	/	/	17.897	17M9W7D
	256QAM	/	/	/	17.911	17M9W7D
	CP-QPSK	/	/	/	17.88	17M9G7D
30	PI/2 BPSK	/	/	/	26.91	26M9G7D
	QPSK	26.51	27.35	0.543	26.855	26M9G7D
	16QAM	/	/	/	26.906	26M9W7D
	64QAM	/	/	/	26.858	26M9W7D
	256QAM	/	/	/	26.947	27M0W7D
	CP-QPSK	/	/	/	26.796	26M8G7D
40	PI/2 BPSK	/	/	/	35.813	35M8G7D
	QPSK	26.49	27.33	0.541	35.788	35M8G7D
	16QAM	/	/	/	35.841	35M8W7D
	64QAM	/	/	/	35.776	35M8W7D
	256QAM	/	/	/	35.815	35M8W7D
	CP-QPSK	/	/	/	35.763	35M8G7D
50	PI/2 BPSK	/	/	/	45.911	45M9G7D
	QPSK	26.51	27.35	0.543	45.788	45M8G7D
	16QAM	/	/	/	45.728	45M7W7D
	64QAM	/	/	/	45.709	45M7W7D
	256QAM	/	/	/	45.814	45M8W7D
	CP-QPSK	/	/	/	45.82	45M8G7D
60	PI/2 BPSK	/	/	/	57.782	57M8G7D
	QPSK	26.49	27.33	0.541	57.892	57M9G7D
	16QAM	/	/	/	57.89	57M9W7D
	64QAM	/	/	/	57.776	57M8W7D
	256QAM	/	/	/	57.911	57M9W7D
	CP-QPSK	/	/	/	57.962	58M0G7D
70	PI/2 BPSK	/	/	/	64.295	64M3G7D
	QPSK	26.46	27.30	0.537	64.287	64M3G7D
	16QAM	/	/	/	64.436	64M4W7D

	64QAM	/	/	/	64.323	64M3W7D
	256QAM	/	/	/	64.318	64M3W7D
	CP-QPSK	/	/	/	64.305	64M3G7D
80	PI/2 BPSK	/	/	/	77.157	77M2G7D
	QPSK	26.47	27.31	0.538	77.091	77M1G7D
	16QAM	/	/	/	77.152	77M2W7D
	64QAM	/	/	/	77.146	77M2W7D
	256QAM	/	/	/	77.141	77M1W7D
	CP-QPSK	/	/	/	77.113	77M1G7D
90	PI/2 BPSK	/	/	/	86.751	86M8G7D
	QPSK	26.42	27.26	0.532	86.885	86M9G7D
	16QAM	/	/	/	86.794	86M8W7D
	64QAM	/	/	/	86.829	86M8W7D
	256QAM	/	/	/	86.665	86M7W7D
	CP-QPSK	/	/	/	86.676	86M7G7D
100	PI/2 BPSK	26.48	27.32	0.540	96.257	96M3G7D
	QPSK	26.57	27.41	0.551	96.318	96M3G7D
	16QAM	25.69	26.53	0.450	96.362	96M4W7D
	64QAM	24.31	25.15	0.327	96.239	96M2W7D
	256QAM	21.97	22.81	0.191	96.008	96M0W7D
	CP-QPSK	/	/	/	96.532	96M5G7D

B12_n77(3700-3980MHz)(PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
20	PI/2 BPSK	/	/	/	17.864	17M9G7D
	QPSK	26.25	27.09	0.512	17.873	17M9G7D
	16QAM	/	/	/	17.878	17M9W7D
	64QAM	/	/	/	17.888	17M9W7D
	256QAM	/	/	/	17.911	17M9W7D
	CP-QPSK	/	/	/	17.921	17M9G7D
30	PI/2 BPSK	/	/	/	26.92	26M9G7D
	QPSK	26.29	27.13	0.516	26.894	26M9G7D
	16QAM	/	/	/	26.922	26M9W7D
	64QAM	/	/	/	26.914	26M9W7D
	256QAM	/	/	/	26.947	27M0W7D

	CP-QPSK	/	/	/	26.853	26M9G7D
40	PI/2 BPSK	/	/	/	35.8	35M8G7D
	QPSK	26.31	27.15	0.519	35.811	35M8G7D
	16QAM	/	/	/	35.841	35M8W7D
	64QAM	/	/	/	35.814	35M8W7D
	256QAM	/	/	/	35.752	35M8W7D
	CP-QPSK	/	/	/	35.772	35M8G7D
50	PI/2 BPSK	/	/	/	45.911	45M9G7D
	QPSK	26.13	26.97	0.498	45.808	45M8G7D
	16QAM	/	/	/	45.771	45M8W7D
	64QAM	/	/	/	45.764	45M8W7D
	256QAM	/	/	/	45.876	45M9W7D
	CP-QPSK	/	/	/	45.819	45M8G7D
60	PI/2 BPSK	/	/	/	57.863	57M9G7D
	QPSK	26.07	26.91	0.491	57.928	57M9G7D
	16QAM	/	/	/	57.933	57M9W7D
	64QAM	/	/	/	57.857	57M9W7D
	256QAM	/	/	/	57.96	58M0W7D
	CP-QPSK	/	/	/	57.887	57M9G7D
70	PI/2 BPSK	/	/	/	64.353	64M4G7D
	QPSK	26.05	26.89	0.489	64.299	64M3G7D
	16QAM	/	/	/	64.41	64M4W7D
	64QAM	/	/	/	64.374	64M4W7D
	256QAM	/	/	/	64.377	64M4W7D
	CP-QPSK	/	/	/	64.367	64M4G7D
80	PI/2 BPSK	/	/	/	77.087	77M1G7D
	QPSK	26.10	26.94	0.494	77.166	77M2G7D
	16QAM	/	/	/	77.224	77M2W7D
	64QAM	/	/	/	77.25	77M3W7D
	256QAM	/	/	/	77.27	77M3W7D
	CP-QPSK	/	/	/	77.32	77M3G7D
90	PI/2 BPSK	/	/	/	86.833	86M8G7D
	QPSK	26.18	27.02	0.504	86.917	86M9G7D
	16QAM	/	/	/	86.807	86M8W7D
	64QAM	/	/	/	86.964	87M0W7D
	256QAM	/	/	/	86.817	86M8W7D
	CP-QPSK	/	/	/	86.899	86M9G7D

100	PI/2 BPSK	26.33	27.17	0.521	96.435	96M4G7D
	QPSK	26.36	27.20	0.525	96.477	96M5G7D
	16QAM	25.31	26.15	0.412	96.463	96M5W7D
	64QAM	23.98	24.82	0.303	96.323	96M3W7D
	256QAM	21.57	22.41	0.174	96.384	96M4W7D
	CP-QPSK	/	/	/	96.545	96M6G7D

B12_n77(3450-3550MHz)(PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
20	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.73	24.57	0.286	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	23.83	24.67	0.293	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	23.85	24.69	0.294	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	23.85	24.69	0.294	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	23.80	24.64	0.291	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	23.73	24.57	0.286	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	23.63	24.47	0.280	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	23.56	24.40	0.275	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	23.65	24.49	0.281	N/A	N/A
	QPSK	23.95	24.79	0.301	N/A	N/A
	16QAM	23.74	24.58	0.287	N/A	N/A
	64QAM	23.84	24.68	0.294	N/A	N/A
	256QAM	22.03	22.87	0.194	N/A	N/A
	CP-QPSK	/	/	/	N/A	N/A

B12_n77(3700-3980MHz)(PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
20	PI/2 BPSK	/	/	/	N/A	N/A
	QPSK	23.48	24.32	0.270	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	23.49	24.33	0.271	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	23.46	24.30	0.269	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	23.27	24.11	0.258	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	23.24	24.08	0.256	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	23.21	24.05	0.254	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	23.20	24.04	0.254	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	23.24	24.08	0.256	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	23.52	24.36	0.273	N/A	N/A
	QPSK	23.58	24.42	0.277	N/A	N/A
	16QAM	23.29	24.13	0.259	N/A	N/A
	64QAM	23.46	24.30	0.269	N/A	N/A
	256QAM	21.59	22.43	0.175	N/A	N/A
	CP-QPSK	/	/	/	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			
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”.

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

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

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

2. Summary Test Results And Description

2.1. Transmitter Conducted Output Power

2.1.1. Requirement

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

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

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

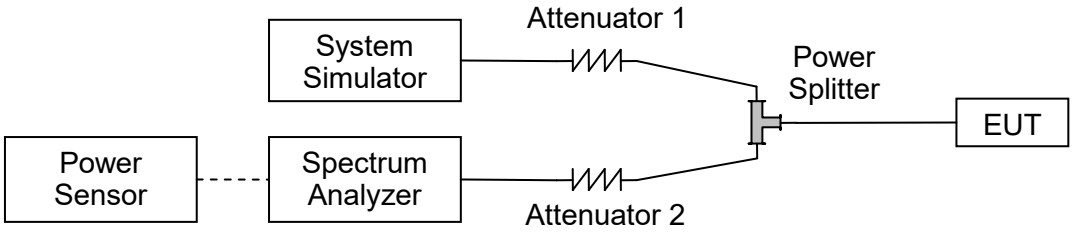
According to FCC section 27.50 (h)(2) for n41, mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

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

According to FCC section 27.50(j)(3) for n77(3700-3980MHz), n78(3700-3800MHz), mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

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

2.1.2.Test Description



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

2.1.3.Test procedure

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

2.1.4.Conducted Output Power

Worse case:

B5_n2						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				372000	376000	380000
Frequency (MHz)				1860	1880	1900
20	DFT-s-OFDM PI/2 BPSK	1	1	23.89	23.80	23.77
20		1	53	23.85	23.68	23.79
20		1	104	23.86	22.78	23.76
20		50	1	23.47	23.45	23.37
20		50	25	23.90	23.70	23.73
20		50	50	23.54	23.26	23.39
20		100	0	23.57	23.42	23.47
20	DFT-s-OFDM QPSK	1	1	24.06	23.84	23.81
20		1	53	23.85	23.67	23.82
20		1	104	23.86	23.62	23.75
20		50	1	23.09	23.06	23.08
20		50	25	23.92	23.83	23.87
20		50	50	23.02	22.76	22.78
20		100	0	23.01	22.96	22.88
20	DFT-s-OFDM 16QAM	1	1	23.29	23.34	23.21
20	DFT-s-OFDM 64QAM	1	1	21.68	21.63	21.61
20	DFT-s-OFDM 256QAM	1	1	19.51	19.44	19.38
20	CP-OFDM QPSK	1	1	22.48	22.51	22.42
20	CP-OFDM 16QAM	1	1	22.00	21.89	21.82
20	CP-OFDM 64QAM	1	1	20.57	19.82	20.26
20	CP-OFDM 256QAM	1	1	17.55	17.47	17.48
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	23.96	23.79	23.82
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	24.02	23.88	23.91
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	24.01	23.83	23.89

B12_n2						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				372000	376000	380000
Frequency (MHz)				1860	1880	1900
20	DFT-s-OFDM PI/2 BPSK	1	1	23.96	23.96	23.94
20		1	53	23.95	23.93	24.00
20		1	104	24.00	23.93	23.92
20		50	1	23.63	23.59	23.62
20		50	25	23.99	23.99	23.99
20		50	50	23.70	23.58	23.58
20		100	0	23.72	23.60	23.59
20	DFT-s-OFDM QPSK	1	1	24.09	24.02	24.03
20		1	53	23.89	23.84	23.93
20		1	104	23.90	23.90	23.84
20		50	1	23.10	23.14	23.10
20		50	25	23.95	23.91	23.90
20		50	50	23.19	23.09	23.10
20		100	0	23.25	23.13	23.10
20	DFT-s-OFDM 16QAM	1	1	23.27	23.25	23.27
20	DFT-s-OFDM 64QAM	1	1	21.43	21.42	21.47
20	DFT-s-OFDM 256QAM	1	1	19.45	19.45	19.46
20	CP-OFDM QPSK	1	1	22.54	22.52	22.52
20	CP-OFDM 16QAM	1	1	22.42	22.40	22.41
20	CP-OFDM 64QAM	1	1	20.36	20.35	20.37
20	CP-OFDM 256QAM	1	1	17.47	17.47	17.47
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	23.96	23.87	23.82
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	24.06	23.97	24.03
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	24.04	23.98	24.01

B66_n2						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				372000	376000	380000
Frequency (MHz)				1860	1880	1900
20	DFT-s-OFDM PI/2 BPSK	1	1	24.06	24.04	24.03
20		1	53	24.05	24.00	24.06
20		1	104	24.10	24.04	24.02
20		50	1	23.69	23.67	23.72
20		50	25	24.08	24.07	24.10
20		50	50	23.81	23.68	23.63
20		100	0	23.81	23.70	23.70
20	DFT-s-OFDM QPSK	1	1	24.12	24.08	24.10
20		1	53	23.97	23.93	24.06
20		1	104	24.05	23.98	23.95
20		50	1	23.22	23.23	23.21
20		50	25	24.11	24.09	24.09
20		50	50	23.28	23.14	23.16
20		100	0	23.35	23.21	23.21
20	DFT-s-OFDM 16QAM	1	1	23.37	23.32	23.34
20	DFT-s-OFDM 64QAM	1	1	21.56	21.54	21.56
20	DFT-s-OFDM 256QAM	1	1	19.51	19.49	19.51
20	CP-OFDM QPSK	1	1	22.64	22.59	22.63
20	CP-OFDM 16QAM	1	1	22.50	22.43	17.77
20	CP-OFDM 64QAM	1	1	20.45	20.44	20.54
20	CP-OFDM 256QAM	1	1	17.59	17.58	17.51
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	24.05	23.98	23.94
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	24.08	24.10	24.05
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	24.07	24.09	24.06

B2_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	23.73	23.68	23.66
20		1	53	23.57	23.56	23.51
20		1	104	23.48	23.51	23.52
20		50	1	23.66	23.64	23.58
20		50	25	23.59	23.55	23.53
20		50	50	23.55	23.53	23.52
20		100	0	23.63	23.62	23.63
20	DFT-s-OFDM QPSK	1	1	24.07	24.02	23.87
20		1	53	23.60	23.59	23.68
20		1	104	23.49	23.51	23.53
20		50	1	23.66	23.63	23.62
20		50	25	23.59	23.56	23.53
20		50	50	23.55	23.53	23.51
20		100	0	23.64	23.63	23.65
20	DFT-s-OFDM 16QAM	1	1	24.06	24.01	23.95
20	DFT-s-OFDM 64QAM	1	1	22.44	22.39	22.36
20	DFT-s-OFDM 256QAM	1	1	20.32	20.28	20.24
20	CP-OFDM QPSK	1	1	23.29	23.26	23.23
20	CP-OFDM 16QAM	1	1	22.70	22.64	22.57
20	CP-OFDM 64QAM	1	1	21.36	21.30	21.29
20	CP-OFDM 256QAM	1	1	18.35	18.30	18.25
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	23.76	23.68	23.59
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	23.69	23.56	23.56
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	23.77	23.56	23.57

B2_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	24.05	24.01	23.98
20		1	53	23.89	23.90	23.81
20		1	104	23.67	23.57	23.48
20		50	1	24.04	24.05	23.94
20		50	25	23.94	23.98	23.91
20		50	50	23.91	23.84	23.76
20		100	0	23.97	24.02	23.93
20	DFT-s-OFDM QPSK	1	1	24.30	24.05	24.01
20		1	53	23.95	23.93	23.88
20		1	104	23.70	23.58	23.52
20		50	1	24.08	24.02	24.00
20		50	25	23.97	24.01	23.91
20		50	50	23.93	23.80	23.73
20		100	0	23.97	23.99	23.98
20	DFT-s-OFDM 16QAM	1	1	24.29	24.28	24.28
20	DFT-s-OFDM 64QAM	1	1	22.75	22.72	22.72
20	DFT-s-OFDM 256QAM	1	1	20.71	20.66	20.68
20	CP-OFDM QPSK	1	1	23.64	23.62	23.64
20	CP-OFDM 16QAM	1	1	23.02	22.95	22.92
20	CP-OFDM 64QAM	1	1	21.70	21.63	21.62
20	CP-OFDM 256QAM	1	1	18.71	18.67	18.65
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	24.06	23.99	23.87
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	23.88	23.71	23.48
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	23.89	23.71	23.37

B2_n41(PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640
100	DFT-s-OFDM PI/2 BPSK	1	1	26.12	26.11	26.00
100		1	136	26.05	25.96	25.86
100		1	271	26.01	25.94	25.99
100		135	1	25.76	25.74	25.54
100		135	67	26.11	26.05	25.94
100		135	136	25.68	25.53	25.43
100		270	0	25.74	25.79	25.64
100	DFT-s-OFDM QPSK	1	1	26.13	26.09	26.01
100		1	136	26.04	25.94	25.78
100		1	271	25.99	25.88	25.91
100		135	1	25.27	25.26	25.09
100		135	67	26.12	26.07	25.95
100		135	136	25.22	25.03	24.98
100		270	0	25.26	25.32	25.15
100	DFT-s-OFDM 16QAM	1	1	25.26	25.27	25.27
100	DFT-s-OFDM 64QAM	1	1	23.93	23.86	23.86
100	DFT-s-OFDM 256QAM	1	1	21.61	21.52	21.45
100	CP-OFDM QPSK	1	1	24.76	24.81	24.63
100	CP-OFDM 16QAM	1	1	24.32	24.33	24.13
100	CP-OFDM 64QAM	1	1	22.84	22.83	22.76
100	CP-OFDM 256QAM	1	1	19.64	19.62	19.51
Channel				508200	518598	528996
Frequency (MHz)				2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	25.99	26.02	25.81
Channel				507204	518598	529998
Frequency (MHz)				2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	26.03	26.05	25.80
Channel				506202	518598	531000
Frequency (MHz)				2531.01	2592.99	2655
70	DFT-s-OFDM QPSK	1	1	26.04	26.12	25.81
Channel				505200	518598	531996
Frequency (MHz)				2526	2592.99	2659.98
60	DFT-s-OFDM QPSK	1	1	25.56	25.58	25.35
Channel				504204	518598	532998
Frequency (MHz)				2521.02	2592.99	2664.99
50	DFT-s-OFDM QPSK	1	1	26.13	25.76	25.46
Channel				503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670
40	DFT-s-OFDM QPSK	1	1	26.07	26.08	25.99
Channel				502200	518598	534996

Frequency (MHz)				2511	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	26.04	26.12	25.87
Channel				501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	26.06	26.12	25.98

B66_n41(PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640
100	DFT-s-OFDM PI/2 BPSK	1	1	26.12	26.11	26.03
100		1	136	26.06	25.95	25.88
100		1	271	26.02	25.93	25.98
100		135	1	25.77	25.73	25.55
100		135	67	26.17	26.06	25.94
100		135	136	25.72	25.53	25.43
100		270	0	25.77	25.79	25.67
100	DFT-s-OFDM QPSK	1	1	26.18	26.09	25.96
100		1	136	26.08	25.94	25.75
100		1	271	26.00	25.89	25.90
100		135	1	25.28	25.26	25.07
100		135	67	26.13	26.06	25.92
100		135	136	25.22	25.03	24.96
100		270	0	25.28	25.31	25.18
100	DFT-s-OFDM 16QAM	1	1	25.29	25.35	25.27
100	DFT-s-OFDM 64QAM	1	1	23.97	23.93	23.74
100	DFT-s-OFDM 256QAM	1	1	21.58	21.55	21.49
100	CP-OFDM QPSK	1	1	24.81	24.78	24.69
100	CP-OFDM 16QAM	1	1	24.38	24.31	24.16
100	CP-OFDM 64QAM	1	1	22.85	22.78	22.68
100	CP-OFDM 256QAM	1	1	19.58	19.64	19.42
Channel				508200	518598	528996
Frequency (MHz)				2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	26.01	26.04	25.85
Channel				507204	518598	529998
Frequency (MHz)				2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	26.05	26.09	25.83
Channel				506202	518598	531000
Frequency (MHz)				2531.01	2592.99	2655
70	DFT-s-OFDM QPSK	1	1	26.06	26.16	25.88
Channel				505200	518598	531996
Frequency (MHz)				2526	2592.99	2659.98
60	DFT-s-OFDM QPSK	1	1	25.61	26.14	26.00
Channel				504204	518598	532998

Frequency (MHz)				2521.02	2592.99	2664.99
50	DFT-s-OFDM QPSK	1	1	25.77	26.12	26.11
Channel				503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670
40	DFT-s-OFDM QPSK	1	1	26.14	26.13	26.05
Channel				502200	518598	534996
Frequency (MHz)				2511	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	26.15	26.07	25.96
Channel				501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	26.09	26.02	26.11

B2_n41(PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640
100	DFT-s-OFDM PI/2 BPSK	1	1	23.28	23.33	23.18
100		1	136	23.16	23.13	23.03
100		1	271	23.16	23.12	23.14
100		135	1	23.30	23.32	23.11
100		135	67	23.26	23.23	23.07
100		135	136	23.20	23.15	23.02
100		270	0	23.26	23.36	23.20
100	DFT-s-OFDM QPSK	1	1	23.35	23.48	23.37
100		1	136	23.20	23.16	22.99
100		1	271	23.13	23.12	23.15
100		135	1	23.30	23.32	23.12
100		135	67	23.28	23.27	23.09
100		135	136	23.22	23.13	23.01
100		270	0	23.29	23.39	23.20
100	DFT-s-OFDM 16QAM	1	1	23.30	23.39	23.25
100	DFT-s-OFDM 64QAM	1	1	23.41	23.47	23.34
100	DFT-s-OFDM 256QAM	1	1	21.64	21.66	21.51
100	CP-OFDM QPSK	1	1	23.32	23.33	23.16
100	CP-OFDM 16QAM	1	1	23.42	23.37	23.30
100	CP-OFDM 64QAM	1	1	22.92	22.91	22.75
100	CP-OFDM 256QAM	1	1	19.73	19.70	19.53
Channel				508200	518598	528996
Frequency (MHz)				2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	23.18	23.19	22.98
Channel				507204	518598	529998
Frequency (MHz)				2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	23.20	23.21	22.99
Channel				506202	518598	531000

Frequency (MHz)				2531.01	2592.99	2655
70	DFT-s-OFDM QPSK	1	1	23.22	23.31	23.02
Channel				505200	518598	531996
Frequency (MHz)				2526	2592.99	2659.98
60	DFT-s-OFDM QPSK	1	1	22.75	22.71	22.55
Channel				504204	518598	532998
Frequency (MHz)				2521.02	2592.99	2664.99
50	DFT-s-OFDM QPSK	1	1	23.32	22.92	22.69
Channel				503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670
40	DFT-s-OFDM QPSK	1	1	23.24	23.36	23.16
Channel				502200	518598	534996
Frequency (MHz)				2511	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	23.21	23.39	23.05
Channel				501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	23.28	23.30	23.16

B66_n41(PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640
100	DFT-s-OFDM PI/2 BPSK	1	1	23.27	23.25	23.12
100		1	136	23.17	23.06	23.00
100		1	271	23.12	23.07	23.10
100		135	1	23.30	23.26	23.08
100		135	67	23.24	23.18	23.06
100		135	136	23.22	23.04	22.96
100		270	0	23.25	23.30	23.16
100	DFT-s-OFDM QPSK	1	1	23.32	23.36	23.22
100		1	136	23.21	23.10	22.96
100		1	271	23.12	23.06	23.12
100		135	1	23.30	23.26	23.09
100		135	67	23.24	23.19	23.07
100		135	136	23.21	23.05	22.98
100		270	0	23.24	23.32	23.18
100	DFT-s-OFDM 16QAM	1	1	23.30	23.28	23.16
100	DFT-s-OFDM 64QAM	1	1	23.35	23.34	23.35
100	DFT-s-OFDM 256QAM	1	1	21.64	21.55	21.51
100	CP-OFDM QPSK	1	1	23.23	23.26	23.14
100	CP-OFDM 16QAM	1	1	23.33	23.32	23.24
100	CP-OFDM 64QAM	1	1	22.86	22.86	22.73
100	CP-OFDM 256QAM	1	1	19.65	19.65	19.55
Channel				508200	518598	528996

Frequency (MHz)				2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	23.17	23.16	22.98
Channel				507204	518598	529998
Frequency (MHz)				2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	23.20	23.23	23.01
Channel				506202	518598	531000
Frequency (MHz)				2531.01	2592.99	2655
70	DFT-s-OFDM QPSK	1	1	23.23	23.31	23.04
Channel				505200	518598	531996
Frequency (MHz)				2526	2592.99	2659.98
60	DFT-s-OFDM QPSK	1	1	22.74	23.24	23.17
Channel				504204	518598	532998
Frequency (MHz)				2521.02	2592.99	2664.99
50	DFT-s-OFDM QPSK	1	1	22.92	23.33	23.22
Channel				503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670
40	DFT-s-OFDM QPSK	1	1	23.33	23.25	23.19
Channel				502200	518598	534996
Frequency (MHz)				2511	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	23.27	23.21	23.08
Channel				501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	23.24	23.32	23.33

B2_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	24.05	24.04	23.99
40		1	108	24.03	24.17	24.10
40		1	214	24.17	24.12	24.02
40		108	1	23.82	23.83	23.89
40		108	54	24.14	24.14	24.06
40		108	108	23.77	23.88	23.83
40		216	0	23.78	23.82	23.87
40	DFT-s-OFDM QPSK	1	1	24.12	24.18	24.19
40		1	108	23.98	24.06	24.01
40		1	214	24.10	24.08	23.96
40		108	1	23.32	23.28	23.36
40		108	54	24.06	24.01	24.11
40		108	108	23.24	23.34	23.30
40		216	0	23.33	23.30	23.36
40	DFT-s-OFDM 16QAM	1	1	23.34	23.32	23.25
40	DFT-s-OFDM 64QAM	1	1	21.53	21.56	21.49
40	DFT-s-OFDM 256QAM	1	1	19.75	19.71	19.65
40	CP-OFDM QPSK	1	1	22.60	22.57	22.48
40	CP-OFDM 16QAM	1	1	22.44	22.38	22.32
40	CP-OFDM 64QAM	1	1	20.45	20.42	20.38
40	CP-OFDM 256QAM	1	1	17.80	17.79	17.76
Channel				345000	349000	353000
Frequency (MHz)				1725	1745	1765
30	DFT-s-OFDM QPSK	1	1	24.00	23.96	24.01
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM QPSK	1	1	24.03	23.98	23.94
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	24.05	24.00	23.92
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	24.11	24.05	24.11
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	24.08	24.06	24.10

B12_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	24.03	24.02	23.96
40		1	108	24.02	24.14	24.06
40		1	214	24.12	24.12	24.00
40		108	1	23.81	23.80	23.82
40		108	54	24.13	24.12	24.17
40		108	108	23.76	23.87	23.76
40		216	0	23.76	23.76	23.84
40	DFT-s-OFDM QPSK	1	1	24.08	24.06	24.19
40		1	108	23.97	24.04	23.98
40		1	214	24.02	24.03	23.97
40		108	1	23.33	23.30	23.35
40		108	54	24.02	24.05	24.11
40		108	108	23.24	23.36	23.25
40		216	0	23.26	23.24	23.37
40	DFT-s-OFDM 16QAM	1	1	23.32	23.28	23.22
40	DFT-s-OFDM 64QAM	1	1	21.51	21.53	21.47
40	DFT-s-OFDM 256QAM	1	1	19.74	19.69	19.63
40	CP-OFDM QPSK	1	1	22.56	22.54	22.47
40	CP-OFDM 16QAM	1	1	22.44	22.37	22.30
40	CP-OFDM 64QAM	1	1	20.46	20.39	20.34
40	CP-OFDM 256QAM	1	1	17.80	17.76	17.69
Channel				345000	349000	353000
Frequency (MHz)				1725	1745	1765
30	DFT-s-OFDM QPSK	1	1	23.99	23.93	23.97
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM QPSK	1	1	24.00	23.95	23.93
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	24.03	23.98	23.91
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	24.02	24.06	24.08
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	24.03	24.08	24.09

B2_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	22.97	22.81	22.78
20		1	53	22.80	22.76	22.62
20		1	104	22.70	22.53	22.27
20		50	1	22.51	22.50	22.35
20		50	25	22.79	22.82	22.66
20		50	50	22.47	22.28	22.11
20		100	0	22.46	22.45	22.24
20	DFT-s-OFDM QPSK	1	1	23.08	22.94	22.89
20		1	53	22.78	22.76	22.79
20		1	104	22.72	22.53	22.68
20		50	1	22.07	21.99	21.86
20		50	25	22.86	22.77	22.79
20		50	50	21.92	21.79	21.57
20		100	0	21.98	21.92	21.72
20	DFT-s-OFDM 16QAM	1	1	22.35	22.25	22.21
20	DFT-s-OFDM 64QAM	1	1	20.84	20.66	20.65
20	DFT-s-OFDM 256QAM	1	1	18.45	18.30	18.27
20	CP-OFDM QPSK	1	1	21.67	21.47	21.41
20	CP-OFDM 16QAM	1	1	21.03	20.96	20.92
20	CP-OFDM 64QAM	1	1	19.68	19.53	19.52
20	CP-OFDM 256QAM	1	1	16.50	16.35	16.33
Channel				134100	136100	138100
Frequency (MHz)				670.5	680.5	690.5
15	DFT-s-OFDM QPSK	1	1	23.05	22.82	22.72
Channel				133600	136100	138600
Frequency (MHz)				668	680.5	693
10	DFT-s-OFDM QPSK	1	1	23.05	22.89	22.70
Channel				133100	136100	139100
Frequency (MHz)				665.5	680.5	695.5
5	DFT-s-OFDM QPSK	1	1	23.02	22.75	22.49

B66_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	22.97	22.81	22.78
20		1	53	22.80	22.76	22.62
20		1	104	22.70	22.53	22.27
20		50	1	22.51	22.50	22.35
20		50	25	22.79	22.82	22.66
20		50	50	22.47	22.28	22.11
20		100	0	22.46	22.45	22.24
20	DFT-s-OFDM QPSK	1	1	23.08	22.94	22.89
20		1	53	22.78	22.76	22.79
20		1	104	22.72	22.53	22.68
20		50	1	22.07	21.99	21.86
20		50	25	22.86	22.77	22.79
20		50	50	21.92	21.79	21.57
20		100	0	21.98	21.92	21.72
20	DFT-s-OFDM 16QAM	1	1	22.35	22.25	22.21
20	DFT-s-OFDM 64QAM	1	1	20.84	20.66	20.65
20	DFT-s-OFDM 256QAM	1	1	18.45	18.30	18.27
20	CP-OFDM QPSK	1	1	21.67	21.47	21.41
20	CP-OFDM 16QAM	1	1	21.03	20.96	20.92
20	CP-OFDM 64QAM	1	1	19.68	19.53	19.52
20	CP-OFDM 256QAM	1	1	16.50	16.35	16.33
Channel				134100	136100	138100
Frequency (MHz)				670.5	680.5	690.5
15	DFT-s-OFDM QPSK	1	1	23.05	22.82	22.72
Channel				133600	136100	138600
Frequency (MHz)				668	680.5	693
10	DFT-s-OFDM QPSK	1	1	23.05	22.89	22.70
Channel				133100	136100	139100
Frequency (MHz)				665.5	680.5	695.5
5	DFT-s-OFDM QPSK	1	1	23.02	22.75	22.49

B2_n77(3450-3550MHz)(PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	26.50	/
100		1	136	/	26.13	/
100		1	271	/	26.01	/
100		135	1	/	25.92	/
100		135	67	/	26.26	/
100		135	136	/	25.38	/
100		270	0	/	25.84	/
100	DFT-s-OFDM QPSK	1	1	/	26.54	/
100		1	136	/	26.13	/
100		1	271	/	25.98	/
100		135	1	/	25.42	/
100		135	67	/	26.21	/
100		135	136	/	24.89	/
100		270	0	/	25.33	/
100	DFT-s-OFDM 16QAM	1	1	/	25.75	/
100	DFT-s-OFDM 64QAM	1	1	/	24.33	/
100	DFT-s-OFDM 256QAM	1	1	/	21.97	/
100	CP-OFDM QPSK	1	1	/	25.11	/
100	CP-OFDM 16QAM	1	1	/	24.61	/
100	CP-OFDM 64QAM	1	1	/	23.23	/
100	CP-OFDM 256QAM	1	1	/	19.95	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	26.42	26.32	26.32
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.44	26.39	26.31
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	26.48	26.33	26.23
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.50	26.46	26.32
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	26.46	26.46	26.30
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.48	26.39	26.45

Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.50	26.46	26.17
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.37	26.51	26.10

B2_n77(3700-3980MHz)(PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	25.90	25.95	26.11
100		1	136	26.24	26.25	25.84
100		1	271	25.96	26.24	26.16
100		135	1	25.97	25.61	25.68
100		135	67	26.18	26.33	25.93
100		135	136	25.55	25.58	25.65
100		270	0	25.67	25.93	25.57
100	DFT-s-OFDM QPSK	1	1	25.84	25.93	26.11
100		1	136	26.26	26.35	26.29
100		1	271	25.96	26.26	26.05
100		135	1	25.49	25.09	25.20
100		135	67	26.16	26.31	25.86
100		135	136	25.06	25.03	25.12
100		270	0	25.21	25.40	25.06
100	DFT-s-OFDM 16QAM	1	1	25.13	25.18	25.32
100	DFT-s-OFDM 64QAM	1	1	23.68	23.85	23.94
100	DFT-s-OFDM 256QAM	1	1	21.35	21.45	21.61
100	CP-OFDM QPSK	1	1	24.53	24.62	24.73
100	CP-OFDM 16QAM	1	1	24.18	24.15	24.36
100	CP-OFDM 64QAM	1	1	22.65	22.67	22.80
100	CP-OFDM 256QAM	1	1	19.33	19.49	19.56
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	25.90	25.85	26.13
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	25.88	26.05	26.13
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	25.91	26.05	25.99
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98

60	DFT-s-OFDM QPSK	1	1	25.98	26.12	25.81
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	26.02	26.11	25.93
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	25.92	26.27	26.30
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	25.87	26.30	26.34
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.22	26.29	26.32

B5_n77(3450-3550MHz)(PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	26.45	/
100		1	136	/	26.12	/
100		1	271	/	26.02	/
100		135	1	/	25.95	/
100		135	67	/	26.23	/
100		135	136	/	25.41	/
100		270	0	/	25.88	/
100	DFT-s-OFDM QPSK	1	1	/	26.49	/
100		1	136	/	26.10	/
100		1	271	/	25.98	/
100		135	1	/	25.48	/
100		135	67	/	26.22	/
100		135	136	/	24.88	/
100		270	0	/	25.36	/
100	DFT-s-OFDM 16QAM	1	1	/	25.66	/
100	DFT-s-OFDM 64QAM	1	1	/	24.30	/
100	DFT-s-OFDM 256QAM	1	1	/	21.94	/
100	CP-OFDM QPSK	1	1	/	25.13	/
100	CP-OFDM 16QAM	1	1	/	24.65	/
100	CP-OFDM 64QAM	1	1	/	23.21	/
100	CP-OFDM 256QAM	1	1	/	20.26	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	26.39	26.36	26.31
Channel				632668	633334	634000

Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.45	26.37	26.33
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	26.35	26.33	26.26
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.36	26.41	26.30
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	26.38	26.40	26.29
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.41	26.39	26.40
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.39	26.25	26.22
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.37	26.34	26.10

B5_n77(3700-3980MHz) (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	25.96	25.96	26.10
100		1	136	26.25	26.28	25.82
100		1	271	26.00	26.24	26.13
100		135	1	25.96	25.61	25.70
100		135	67	26.18	26.32	25.93
100		135	136	25.58	25.59	25.64
100		270	0	25.70	25.92	25.56
100	DFT-s-OFDM QPSK	1	1	25.87	25.96	26.11
100		1	136	26.28	26.34	26.26
100		1	271	25.92	26.25	26.12
100		135	1	25.51	25.11	25.19
100		135	67	26.17	26.30	25.88
100		135	136	25.07	25.10	25.13
100		270	0	25.23	25.40	25.06
100	DFT-s-OFDM 16QAM	1	1	25.06	25.05	25.31
100	DFT-s-OFDM 64QAM	1	1	23.72	23.79	23.74
100	DFT-s-OFDM 256QAM	1	1	21.38	21.38	21.79
100	CP-OFDM QPSK	1	1	24.53	24.64	24.81

100	CP-OFDM 16QAM	1	1	24.16	24.17	24.27
100	CP-OFDM 64QAM	1	1	22.63	22.68	22.76
100	CP-OFDM 256QAM	1	1	19.39	19.42	19.75
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	25.83	25.93	26.15
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	25.89	26.02	26.09
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	25.92	26.04	25.96
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	25.97	26.04	25.82
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	26.02	26.12	25.93
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.25	23.30	26.27
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	26.22	26.29	26.27
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.19	26.24	26.31

B12_n77(3450-3550MHz)(PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	26.48	/
100		1	136	/	26.12	/
100		1	271	/	26.03	/
100		135	1	/	25.94	/
100		135	67	/	26.25	/
100		135	136	/	25.40	/
100		270	0	/	25.89	/
100	DFT-s-OFDM QPSK	1	1	/	26.57	/
100		1	136	/	26.12	/
100		1	271	/	25.97	/
100		135	1	/	25.40	/
100		135	67	/	26.24	/

100		135	136	/	24.84	/
100		270	0	/	25.36	/
100	DFT-s-OFDM 16QAM	1	1	/	25.69	/
100	DFT-s-OFDM 64QAM	1	1	/	24.31	/
100	DFT-s-OFDM 256QAM	1	1	/	21.97	/
100	CP-OFDM QPSK	1	1	/	25.13	/
100	CP-OFDM 16QAM	1	1	/	24.63	/
100	CP-OFDM 64QAM	1	1	/	23.19	/
100	CP-OFDM 256QAM	1	1	/	20.05	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	26.42	26.39	26.31
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.47	26.37	26.32
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	26.46	26.35	26.26
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.49	26.44	26.30
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	26.51	26.47	26.29
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.49	26.37	26.47
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.51	26.46	26.24
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.48	26.41	26.10

B12_n77(3700-3980MHz)(PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	25.92	25.96	26.15
100		1	136	26.22	26.24	25.79
100		1	271	25.96	26.27	26.15
100		135	1	25.95	25.57	25.68
100		135	67	26.17	26.33	25.92
100		135	136	25.53	25.57	25.63

100		270	0	25.69	25.95	25.55
100	DFT-s-OFDM QPSK	1	1	25.90	25.93	26.11
100		1	136	26.34	26.36	26.28
100		1	271	25.85	26.27	26.08
100		135	1	25.46	25.07	25.16
100		135	67	26.12	26.29	25.87
100		135	136	25.04	25.09	25.11
100		270	0	25.16	25.42	25.02
100	DFT-s-OFDM 16QAM	1	1	25.08	25.10	25.31
100	DFT-s-OFDM 64QAM	1	1	23.70	23.72	23.98
100	DFT-s-OFDM 256QAM	1	1	21.34	21.40	21.57
100	CP-OFDM QPSK	1	1	24.53	24.66	24.74
100	CP-OFDM 16QAM	1	1	24.12	24.15	24.29
100	CP-OFDM 64QAM	1	1	22.61	22.69	22.85
100	CP-OFDM 256QAM	1	1	19.38	19.42	19.62
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	25.90	25.91	26.18
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	25.92	26.03	26.10
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	25.93	26.05	25.98
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	25.93	26.07	25.84
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	26.06	26.13	25.96
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	26.28	26.31	26.30
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	26.24	26.18	26.29
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.20	26.25	26.19

B66_n77(3450-3550MHz)(PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	26.53	/
100		1	136	/	26.15	/
100		1	271	/	26.06	/
100		135	1	/	26.04	/
100		135	67	/	26.30	/
100		135	136	/	25.47	/
100		270	0	/	25.89	/
100	DFT-s-OFDM QPSK	1	1	/	26.55	/
100		1	136	/	26.14	/
100		1	271	/	26.03	/
100		135	1	/	25.52	/
100		135	67	/	26.29	/
100		135	136	/	24.91	/
100		270	0	/	25.39	/
100	DFT-s-OFDM 16QAM	1	1	/	25.68	/
100	DFT-s-OFDM 64QAM	1	1	/	24.33	/
100	DFT-s-OFDM 256QAM	1	1	/	21.97	/
100	CP-OFDM QPSK	1	1	/	25.16	/
100	CP-OFDM 16QAM	1	1	/	24.70	/
100	CP-OFDM 64QAM	1	1	/	23.30	/
100	CP-OFDM 256QAM	1	1	/	20.15	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	26.45	26.43	26.38
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.51	26.38	26.36
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	26.50	26.39	26.36
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.46	26.50	26.34
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	26.42	26.37	26.30
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.36	26.42	26.00
Channel				631000	633334	635666

Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.41	26.39	26.24
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.38	26.51	26.09

B66_n77(3700-3980MHz)(PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	25.97	26.00	26.18
100		1	136	26.29	26.31	25.87
100		1	271	25.99	26.32	26.20
100		135	1	26.04	25.63	25.77
100		135	67	26.24	26.26	25.98
100		135	136	25.63	25.65	25.69
100		270	0	25.78	25.98	25.61
100	DFT-s-OFDM QPSK	1	1	25.93	26.00	26.14
100		1	136	26.24	26.38	25.84
100		1	271	25.99	26.30	26.15
100		135	1	25.52	25.12	25.19
100		135	67	26.19	26.33	25.91
100		135	136	25.12	25.10	25.16
100		270	0	25.26	25.46	25.10
100	DFT-s-OFDM 16QAM	1	1	25.21	25.14	25.30
100	DFT-s-OFDM 64QAM	1	1	23.69	23.83	23.86
100	DFT-s-OFDM 256QAM	1	1	21.37	21.45	21.64
100	CP-OFDM QPSK	1	1	24.55	24.69	24.80
100	CP-OFDM 16QAM	1	1	24.17	24.12	24.25
100	CP-OFDM 64QAM	1	1	22.86	22.79	22.94
100	CP-OFDM 256QAM	1	1	19.51	19.48	19.60
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	25.90	26.01	26.20
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	25.91	26.08	26.13
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	25.96	26.10	26.00
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	25.95	26.15	25.41
Channel				648334	656000	663666

Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	26.07	26.09	25.92
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	26.24	26.28	26.33
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	26.23	26.29	26.27
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.22	26.27	26.25

B2_n77(3450-3550MHz)(PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.61	/
100		1	136	/	23.30	/
100		1	271	/	23.13	/
100		135	1	/	23.58	/
100		135	67	/	23.42	/
100		135	136	/	22.92	/
100		270	0	/	23.39	/
100	DFT-s-OFDM QPSK	1	1	/	23.83	/
100		1	136	/	23.30	/
100		1	271	/	23.17	/
100		135	1	/	23.65	/
100		135	67	/	23.41	/
100		135	136	/	22.91	/
100		270	0	/	23.42	/
100	DFT-s-OFDM 16QAM	1	1	/	23.77	/
100	DFT-s-OFDM 64QAM	1	1	/	23.79	/
100	DFT-s-OFDM 256QAM	1	1	/	22.05	/
100	CP-OFDM QPSK	1	1	/	23.69	/
100	CP-OFDM 16QAM	1	1	/	23.76	/
100	CP-OFDM 64QAM	1	1	/	23.26	/
100	CP-OFDM 256QAM	1	1	/	19.98	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	23.67	23.51	23.54
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.67	23.56	23.51
Channel				632334	633334	634332

Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	23.65	23.55	23.44
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.71	23.63	23.43
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	23.69	23.64	23.48
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.64	23.59	23.68
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.61	23.59	23.41
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.56	23.68	23.27

B2_n77(3700-3980MHz)(PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	23.02	23.17	23.27
100		1	136	23.38	23.39	22.99
100		1	271	23.13	23.44	23.19
100		135	1	23.53	23.13	23.19
100		135	67	23.28	23.50	23.07
100		135	136	23.17	23.13	23.18
100		270	0	23.26	23.42	23.09
100	DFT-s-OFDM QPSK	1	1	23.47	23.59	23.52
100		1	136	23.34	23.43	22.93
100		1	271	23.07	23.39	23.24
100		135	1	23.28	23.41	23.26
100		135	67	23.48	23.51	23.39
100		135	136	23.10	23.09	23.17
100		270	0	23.20	23.51	23.05
100	DFT-s-OFDM 16QAM	1	1	23.14	23.17	23.35
100	DFT-s-OFDM 64QAM	1	1	23.15	23.35	23.44
100	DFT-s-OFDM 256QAM	1	1	21.49	21.54	21.67
100	CP-OFDM QPSK	1	1	23.07	23.14	23.30
100	CP-OFDM 16QAM	1	1	23.15	23.23	23.42
100	CP-OFDM 64QAM	1	1	22.64	22.69	22.84
100	CP-OFDM 256QAM	1	1	19.32	19.43	19.59

Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	23.00	23.08	23.31
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	23.09	23.22	23.24
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	23.07	23.19	23.14
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	23.05	23.25	22.96
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	23.19	23.26	23.06
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.07	23.55	23.44
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	23.03	23.51	23.45
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	23.28	23.52	23.47

B5_n77(3450-3550MHz)(PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.66	/
100		1	136	/	23.30	/
100		1	271	/	23.19	/
100		135	1	/	23.52	/
100		135	67	/	23.42	/
100		135	136	/	22.98	/
100		270	0	/	23.40	/
100	DFT-s-OFDM QPSK	1	1	/	23.81	/
100		1	136	/	23.34	/
100		1	271	/	23.15	/
100		135	1	/	23.66	/
100		135	67	/	23.46	/
100		135	136	/	23.03	/
100		270	0	/	23.41	/
100	DFT-s-OFDM 16QAM	1	1	/	23.69	/

100	DFT-s-OFDM 64QAM	1	1	/	23.78	/
100	DFT-s-OFDM 256QAM	1	1	/	22.12	/
100	CP-OFDM QPSK	1	1	/	23.67	/
100	CP-OFDM 16QAM	1	1	/	23.68	/
100	CP-OFDM 64QAM	1	1	/	23.24	/
100	CP-OFDM 256QAM	1	1	/	20.18	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	23.56	23.55	23.53
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.60	23.52	23.49
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	23.67	23.48	23.42
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.68	23.59	23.43
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	23.61	23.60	23.45
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.77	23.63	23.62
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.59	23.74	23.33
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.68	23.62	23.22

B5_n77(3700-3980MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	23.02	23.09	23.22
100		1	136	23.27	23.31	22.89
100		1	271	23.07	23.37	23.22
100		135	1	23.44	23.05	23.16
100		135	67	23.22	23.39	22.97
100		135	136	23.06	23.08	23.16
100		270	0	23.17	23.38	23.05
100	DFT-s-OFDM QPSK	1	1	23.00	23.06	23.20

100		1	136	23.41	23.47	23.36
100		1	271	23.01	23.32	23.24
100		135	1	23.36	23.45	23.26
100		135	67	23.27	23.41	23.00
100		135	136	23.01	23.04	23.17
100		270	0	23.39	23.44	23.35
100	DFT-s-OFDM 16QAM	1	1	23.11	23.04	23.38
100	DFT-s-OFDM 64QAM	1	1	23.18	23.08	23.43
100	DFT-s-OFDM 256QAM	1	1	21.32	21.63	21.61
100	CP-OFDM QPSK	1	1	23.05	23.06	23.30
100	CP-OFDM 16QAM	1	1	23.06	23.03	23.31
100	CP-OFDM 64QAM	1	1	22.56	22.58	22.83
100	CP-OFDM 256QAM	1	1	19.28	19.37	19.51
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	22.93	22.99	23.20
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	23.01	23.13	23.16
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	23.04	23.12	23.04
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	23.04	23.21	22.88
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	23.15	23.23	23.00
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.47	23.58	23.43
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	23.36	23.46	23.44
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	23.32	23.52	23.45

B12_n77(3450-3550MHz)(PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.65	/
100		1	136	/	23.30	/
100		1	271	/	23.16	/
100		135	1	/	23.50	/
100		135	67	/	23.43	/
100		135	136	/	22.95	/
100		270	0	/	23.40	/
100	DFT-s-OFDM QPSK	1	1	/	23.95	/
100		1	136	/	23.31	/
100		1	271	/	23.13	/
100		135	1	/	23.58	/
100		135	67	/	23.44	/
100		135	136	/	22.91	/
100		270	0	/	23.43	/
100	DFT-s-OFDM 16QAM	1	1	/	23.74	/
100	DFT-s-OFDM 64QAM	1	1	/	23.84	/
100	DFT-s-OFDM 256QAM	1	1	/	22.03	/
100	CP-OFDM QPSK	1	1	/	23.63	/
100	CP-OFDM 16QAM	1	1	/	23.72	/
100	CP-OFDM 64QAM	1	1	/	23.30	/
100	CP-OFDM 256QAM	1	1	/	19.95	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	23.56	23.53	23.55
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.63	23.52	23.58
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	23.73	23.53	23.47
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.80	23.64	23.47
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	23.85	23.61	23.50
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.81	23.85	23.62

Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.83	23.77	23.41
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.73	23.71	23.26

B12_n77(3700-3980MHz)(PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	23.01	23.12	23.24
100		1	136	23.35	23.38	22.94
100		1	271	23.10	23.41	23.24
100		135	1	23.52	23.10	23.19
100		135	67	23.30	23.44	23.01
100		135	136	23.07	23.10	23.19
100		270	0	23.24	23.41	23.10
100	DFT-s-OFDM QPSK	1	1	23.40	23.09	23.21
100		1	136	23.39	23.58	23.52
100		1	271	23.06	23.37	23.22
100		135	1	23.41	23.51	23.48
100		135	67	23.29	23.40	23.00
100		135	136	23.09	23.07	23.11
100		270	0	23.19	23.43	23.08
100	DFT-s-OFDM 16QAM	1	1	23.13	23.17	23.29
100	DFT-s-OFDM 64QAM	1	1	23.24	23.31	23.46
100	DFT-s-OFDM 256QAM	1	1	21.39	21.51	21.59
100	CP-OFDM QPSK	1	1	23.10	23.07	23.27
100	CP-OFDM 16QAM	1	1	23.10	23.13	23.34
100	CP-OFDM 64QAM	1	1	22.68	22.67	22.83
100	CP-OFDM 256QAM	1	1	19.35	19.39	19.50
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	23.00	23.00	23.24
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	23.05	23.19	23.20
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	23.05	23.21	23.06
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	23.11	23.24	22.97

Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	23.18	23.27	23.03
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.45	23.46	23.34
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	23.37	23.49	23.44
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	23.33	23.44	23.48

B66_n77(3450-3550MHz)(PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.67	/
100		1	136	/	23.24	/
100		1	271	/	23.18	/
100		135	1	/	23.50	/
100		135	67	/	23.42	/
100		135	136	/	22.95	/
100		270	0	/	23.36	/
100	DFT-s-OFDM QPSK	1	1	/	23.76	/
100		1	136	/	23.28	/
100		1	271	/	23.14	/
100		135	1	/	23.63	/
100		135	67	/	23.38	/
100		135	136	/	22.85	/
100		270	0	/	23.39	/
100	DFT-s-OFDM 16QAM	1	1	/	23.67	/
100	DFT-s-OFDM 64QAM	1	1	/	23.75	/
100	DFT-s-OFDM 256QAM	1	1	/	21.95	/
100	CP-OFDM QPSK	1	1	/	23.71	/
100	CP-OFDM 16QAM	1	1	/	23.66	/
100	CP-OFDM 64QAM	1	1	/	23.24	/
100	CP-OFDM 256QAM	1	1	/	20.04	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	23.56	23.53	23.52
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.64	23.55	23.59

Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	23.65	23.50	23.45
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.62	23.64	23.43
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	23.67	23.56	23.45
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.57	23.62	23.14
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.51	23.65	23.41
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.59	23.67	23.22

B66_n77(3700-3980MHz)(PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	22.99	23.09	23.27
100		1	136	23.32	23.35	22.97
100		1	271	23.09	23.42	23.26
100		135	1	23.44	23.11	23.20
100		135	67	23.22	23.43	23.01
100		135	136	23.06	23.13	23.13
100		270	0	23.23	23.43	23.11
100	DFT-s-OFDM QPSK	1	1	22.94	23.07	23.24
100		1	136	23.43	23.48	23.34
100		1	271	23.05	23.36	23.23
100		135	1	23.33	23.08	23.17
100		135	67	23.34	23.42	23.41
100		135	136	23.08	23.09	23.19
100		270	0	23.21	23.44	23.10
100	DFT-s-OFDM 16QAM	1	1	23.08	23.18	23.33
100	DFT-s-OFDM 64QAM	1	1	23.20	23.32	23.43
100	DFT-s-OFDM 256QAM	1	1	21.32	21.47	21.69
100	CP-OFDM QPSK	1	1	23.06	23.15	23.31
100	CP-OFDM 16QAM	1	1	23.17	23.22	23.32
100	CP-OFDM 64QAM	1	1	22.65	22.68	22.82
100	CP-OFDM 256QAM	1	1	19.36	19.49	19.63

Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	23.01	23.01	23.26
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	23.08	23.19	23.18
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	23.08	23.19	23.12
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	23.04	23.21	22.39
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	23.19	23.23	23.01
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.39	23.37	23.40
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	23.31	23.41	23.35
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	23.34	23.42	23.19

Effective Radiated Power and Effective Isotropic Radiated Power:

B66_n2									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				372000	372000	376000	376000	380000	380000
Frequency (MHz)				1860.00	1860.00	1880.00	1880.00	1900.00	1900.00
20	DFT-s-OFDM PI/2 BPSK	1	1	25.61	0.364	25.59	0.362	25.58	0.361
20		1	80	25.60	0.363	25.55	0.359	25.61	0.364
20		1	158	25.65	0.367	25.59	0.362	25.57	0.361
20		80	1	25.24	0.334	25.22	0.333	25.27	0.337
20		80	40	25.63	0.366	25.62	0.365	25.65	0.367
20		80	80	25.36	0.344	25.23	0.333	25.18	0.330
20		160	0	25.36	0.344	25.25	0.335	25.25	0.335

20	DFT-s-OFDM QPSK	1	1	25.67	0.369	25.63	0.366	25.65	0.367
20		1	80	25.52	0.356	25.48	0.353	25.61	0.364
20		1	158	25.60	0.363	25.53	0.357	25.50	0.355
20		80	1	24.77	0.300	24.78	0.301	24.76	0.299
20		80	40	25.66	0.368	25.64	0.366	25.64	0.366
20		80	80	24.83	0.304	24.69	0.294	24.71	0.296
20		160	0	24.90	0.309	24.76	0.299	24.76	0.299
20	DFT-s-OFDM 16QAM	1	1	24.92	0.310	24.87	0.307	24.89	0.308
20	DFT-s-OFDM 64QAM	1	1	23.11	0.205	23.09	0.204	23.11	0.205
20	DFT-s-OFDM 256QAM	1	1	21.06	0.128	21.04	0.127	21.06	0.128
20	CP-OFDM QPSK	1	1	24.19	0.262	24.14	0.259	24.18	0.262
20	CP-OFDM 16QAM	1	1	24.05	0.254	23.98	0.250	19.32	0.086
20	CP-OFDM 64QAM	1	1	22.00	0.158	21.99	0.158	22.09	0.162
20	CP-OFDM 256QAM	1	1	19.14	0.082	19.13	0.082	19.06	0.081
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	25.60	0.363	25.53	0.357	25.49	0.354
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	25.63	0.366	25.65	0.367	25.60	0.363
Channel				370500	370500	376000	376000	381500	381500
Frequency (MHz)				1852.50	1852.50	1880.00	1880.00	1907.50	1907.50
5	DFT-s-OFDM QPSK	1	1	25.62	0.365	25.64	0.366	25.61	0.364

B66_n5									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				166800	166800	167300	167300	167800	167800
Frequency (MHz)				834.00	834.00	836.50	836.50	839.00	839.00
20	DFT-s-OFDM PI/2 BPSK	1	1	20.82	0.121	20.78	0.120	20.75	0.119
20		1	53	20.66	0.116	20.67	0.117	20.58	0.114

20		1	104	20.44	0.111	20.34	0.108	20.25	0.106
20		50	1	20.81	0.121	20.82	0.121	20.71	0.118
20		50	25	20.71	0.118	20.75	0.119	20.68	0.117
20		50	50	20.68	0.117	20.61	0.115	20.53	0.113
20		100	0	20.74	0.119	20.79	0.120	20.70	0.117
20	DFT-s-OFDM QPSK	1	1	21.07	0.128	20.82	0.121	20.78	0.120
20		1	53	20.72	0.118	20.70	0.117	20.65	0.116
20		1	104	20.47	0.111	20.35	0.108	20.29	0.107
20		50	1	20.85	0.122	20.79	0.120	20.77	0.119
20		50	25	20.74	0.119	20.78	0.120	20.68	0.117
20		50	50	20.70	0.117	20.57	0.114	20.50	0.112
20		100	0	20.74	0.119	20.76	0.119	20.75	0.119
20	DFT-s-OFDM 16QAM	1	1	21.06	0.128	21.05	0.127	21.05	0.127
20	DFT-s-OFDM 64QAM	1	1	19.52	0.090	19.49	0.089	19.49	0.089
20	DFT-s-OFDM 256QAM	1	1	17.48	0.056	17.43	0.055	17.45	0.056
20	CP-OFDM QPSK	1	1	20.41	0.110	20.39	0.109	20.41	0.110
20	CP-OFDM 16QAM	1	1	19.79	0.095	19.72	0.094	19.69	0.093
20	CP-OFDM 64QAM	1	1	18.47	0.070	18.40	0.069	18.39	0.069
20	CP-OFDM 256QAM	1	1	15.48	0.035	15.44	0.035	15.42	0.035
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	20.83	0.121	20.76	0.119	20.64	0.116
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	20.65	0.116	20.48	0.112	20.25	0.106
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	20.66	0.116	20.48	0.112	20.14	0.103

B66_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	25.69	0.371	25.68	0.370	25.60	0.363
100		1	136	25.63	0.366	25.52	0.356	25.45	0.351
100		1	271	25.59	0.362	25.50	0.355	25.55	0.359
100		135	1	25.34	0.342	25.30	0.339	25.12	0.325
100		135	67	25.74	0.375	25.63	0.366	25.51	0.356
100		135	136	25.29	0.338	25.10	0.324	25.00	0.316
100		270	0	25.34	0.342	25.36	0.344	25.24	0.334
100	DFT-s-OFDM QPSK	1	1	25.75	0.376	25.66	0.368	25.53	0.357
100		1	136	25.65	0.367	25.51	0.356	25.32	0.340
100		1	271	25.57	0.361	25.46	0.352	25.47	0.352
100		135	1	24.85	0.305	24.83	0.304	24.64	0.291
100		135	67	25.70	0.372	25.63	0.366	25.49	0.354
100		135	136	24.79	0.301	24.60	0.288	24.53	0.284
100		270	0	24.85	0.305	24.88	0.308	24.75	0.299
100	DFT-s-OFDM 16QAM	1	1	24.86	0.306	24.92	0.310	24.84	0.305
100	DFT-s-OFDM 64QAM	1	1	23.54	0.226	23.50	0.224	23.31	0.214
100	DFT-s-OFDM 256QAM	1	1	21.15	0.130	21.12	0.129	21.06	0.128
100	CP-OFDM QPSK	1	1	24.38	0.274	24.35	0.272	24.26	0.267
100	CP-OFDM 16QAM	1	1	23.95	0.248	23.88	0.244	23.73	0.236
100	CP-OFDM 64QAM	1	1	22.42	0.175	22.35	0.172	22.25	0.168
10	CP-OFDM	1	1	19.15	0.082	19.21	0.083	18.99	0.079

0	256QAM								
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	25.58	0.361	25.61	0.364	25.42	0.348
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	25.62	0.365	25.66	0.368	25.40	0.347
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	25.63	0.366	25.73	0.374	25.45	0.351
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	25.18	0.330	25.71	0.372	25.57	0.361
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	25.34	0.342	25.69	0.371	25.68	0.370
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	25.71	0.372	25.70	0.372	25.62	0.365
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	25.72	0.373	25.64	0.366	25.53	0.357
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	25.66	0.368	25.59	0.362	25.68	0.370

B66_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	22.85	0.193	22.90	0.195	22.75	0.188
100		1	136	22.73	0.187	22.70	0.186	22.60	0.182
100		1	271	22.73	0.187	22.69	0.186	22.71	0.187
100		135	1	22.87	0.194	22.89	0.195	22.68	0.185
100		135	67	22.83	0.192	22.80	0.191	22.64	0.184
100		135	136	22.77	0.189	22.72	0.187	22.59	0.182
100		270	0	22.83	0.192	22.93	0.196	22.77	0.189
100	DFT-s-OFDM QPSK	1	1	22.92	0.196	23.05	0.202	22.94	0.197
100		1	136	22.77	0.189	22.73	0.187	22.56	0.180
100		1	271	22.70	0.186	22.69	0.186	22.72	0.187
100		135	1	22.87	0.194	22.89	0.195	22.69	0.186
100		135	67	22.85	0.193	22.84	0.192	22.66	0.185
100		135	136	22.79	0.190	22.70	0.186	22.58	0.181
100		270	0	22.86	0.193	22.96	0.198	22.77	0.189
100	DFT-s-OFDM 16QAM	1	1	22.87	0.194	22.96	0.198	22.82	0.191
100	DFT-s-OFDM 64QAM	1	1	22.98	0.199	23.04	0.201	22.91	0.195
100	DFT-s-OFDM 256QAM	1	1	21.21	0.132	21.23	0.133	21.08	0.128
100	CP-OFDM QPSK	1	1	22.89	0.195	22.90	0.195	22.73	0.187
100	CP-OFDM 16QAM	1	1	22.99	0.199	22.94	0.197	22.87	0.194
100	CP-OFDM 64QAM	1	1	22.49	0.177	22.48	0.177	22.32	0.171
10	CP-OFDM	1	1	19.30	0.085	19.27	0.085	19.10	0.081

0	256QAM								
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	22.75	0.188	22.76	0.189	22.55	0.180
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	22.77	0.189	22.78	0.190	22.56	0.180
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	22.79	0.190	22.88	0.194	22.59	0.182
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	22.32	0.171	22.28	0.169	22.12	0.163
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	22.89	0.195	22.49	0.177	22.26	0.168
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	22.81	0.191	22.93	0.196	22.73	0.187
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	22.78	0.190	22.96	0.198	22.62	0.183
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	22.85	0.193	22.87	0.194	22.73	0.187

B12_n66									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				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	24.16	0.261	24.15	0.260	24.09	0.256
40		1	80	24.15	0.260	24.27	0.267	24.19	0.262
40		1	158	24.25	0.266	24.25	0.266	24.13	0.259
40		80	1	23.94	0.248	23.93	0.247	23.95	0.248

40		80	40	24.26	0.267	24.25	0.266	24.30	0.269
40		80	80	23.89	0.245	24.00	0.251	23.89	0.245
40		160	0	23.89	0.245	23.89	0.245	23.97	0.249
40	DFT-s-OFDM QPSK	1	1	24.21	0.264	24.19	0.262	24.32	0.270
40		1	80	24.10	0.257	24.17	0.261	24.11	0.258
40		1	158	24.15	0.260	24.16	0.261	24.10	0.257
40		80	1	23.46	0.222	23.43	0.220	23.48	0.223
40		80	40	24.15	0.260	24.18	0.262	24.24	0.265
40		80	80	23.37	0.217	23.49	0.223	23.38	0.218
40		160	0	23.39	0.218	23.37	0.217	23.50	0.224
40	DFT-s-OFDM 16QAM	1	1	23.45	0.221	23.41	0.219	23.35	0.216
40	DFT-s-OFDM 64QAM	1	1	21.64	0.146	21.66	0.147	21.60	0.145
40	DFT-s-OFDM 256QAM	1	1	19.87	0.097	19.82	0.096	19.76	0.095
40	CP-OFDM QPSK	1	1	22.69	0.186	22.67	0.185	22.60	0.182
40	CP-OFDM 16QAM	1	1	22.57	0.181	22.50	0.178	22.43	0.175
40	CP-OFDM 64QAM	1	1	20.59	0.115	20.52	0.113	20.47	0.111
40	CP-OFDM 256QAM	1	1	17.93	0.062	17.89	0.062	17.82	0.061
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	24.12	0.258	24.06	0.255	24.10	0.257
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	24.13	0.259	24.08	0.256	24.06	0.255
Channel				343500	343500	349000	349000	354500	354500
Frequency (MHz)				1717.50	1717.50	1745.00	1745.00	1772.50	1772.50
15	DFT-s-OFDM QPSK	1	1	24.16	0.261	24.11	0.258	24.04	0.254
Channel				343000	343000	349000	349000	355000	355000
Frequency (MHz)				1715.00	1715.00	1745.00	1745.00	1775.00	1775.00
10	DFT-s-OFDM QPSK	1	1	24.15	0.260	24.19	0.262	24.21	0.264
Channel				342500	342500	349000	349000	355500	355500
Frequency (MHz)				1712.50	1712.50	1745.00	1745.00	1777.50	1777.50
5	DFT-s-OFDM QPSK	1	1	24.16	0.261	24.21	0.264	24.22	0.264

B2_n71									
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	17.02	0.050	16.86	0.049	16.83	0.048
20		1	53	16.85	0.048	16.81	0.048	16.67	0.046
20		1	104	16.75	0.047	16.58	0.045	16.32	0.043
20		50	1	16.56	0.045	16.55	0.045	16.40	0.044
20		50	25	16.84	0.048	16.87	0.049	16.71	0.047
20		50	50	16.52	0.045	16.33	0.043	16.16	0.041
20		100	0	16.51	0.045	16.50	0.045	16.29	0.043
20	DFT-s-OFDM QPSK	1	1	17.13	0.052	16.99	0.050	16.94	0.049
20		1	53	16.83	0.048	16.81	0.048	16.84	0.048
20		1	104	16.77	0.048	16.58	0.045	16.73	0.047
20		50	1	16.12	0.041	16.04	0.040	15.91	0.039
20		50	25	16.91	0.049	16.82	0.048	16.84	0.048
20		50	50	15.97	0.040	15.84	0.038	15.62	0.036
20		100	0	16.03	0.040	15.97	0.040	15.77	0.038
20	DFT-s-OFDM 16QAM	1	1	16.40	0.044	16.30	0.043	16.26	0.042
20	DFT-s-OFDM 64QAM	1	1	14.89	0.031	14.71	0.030	14.70	0.030
20	DFT-s-OFDM 256QAM	1	1	12.50	0.018	12.35	0.017	12.32	0.017
20	CP-OFDM QPSK	1	1	15.72	0.037	15.52	0.036	15.46	0.035
20	CP-OFDM 16QAM	1	1	15.08	0.032	15.01	0.032	14.97	0.031
20	CP-OFDM 64QAM	1	1	13.73	0.024	13.58	0.023	13.57	0.023
20	CP-OFDM 256QAM	1	1	10.55	0.011	10.40	0.011	10.38	0.011
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	17.10	0.051	16.87	0.049	16.77	0.048
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	17.10	0.051	16.94	0.049	16.75	0.047
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	17.07	0.051	16.80	0.048	16.54	0.045

B12_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	/	/	27.32	0.540	/	/
100		1	136	/	/	26.96	0.497	/	/
100		1	271	/	/	26.87	0.486	/	/
100		135	1	/	/	26.78	0.476	/	/
100		135	67	/	/	27.09	0.512	/	/
100		135	136	/	/	26.24	0.421	/	/
100		270	0	/	/	26.73	0.471	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	27.41	0.551	/	/
100		1	136	/	/	26.96	0.497	/	/
100		1	271	/	/	26.81	0.480	/	/
100		135	1	/	/	26.24	0.421	/	/
100		135	67	/	/	27.08	0.511	/	/
100		135	136	/	/	25.68	0.370	/	/
100		270	0	/	/	26.20	0.417	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	26.53	0.450	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	25.15	0.327	/	/

100	DFT-s-OFDM 256QAM	1	1	/	/	22.81	0.191	/	/
100	CP-OFDM QPSK	1	1	/	/	25.97	0.395	/	/
100	CP-OFDM 16QAM	1	1	/	/	25.47	0.352	/	/
100	CP-OFDM 64QAM	1	1	/	/	24.03	0.253	/	/
100	CP-OFDM 256QAM	1	1	/	/	20.89	0.123	/	/
Channel				633000	633000	633334	633334	633666	633666
Frequency (MHz)				3495.00	3495.00	3500.01	3500.01	3504.99	3504.99
90	DFT-s-OFDM QPSK	1	1	27.26	0.532	27.23	0.528	27.15	0.519
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510.00	3510.00
80	DFT-s-OFDM QPSK	1	1	27.31	0.538	27.21	0.526	27.16	0.520
Channel				632334	632334	633334	633334	634332	634332
Frequency (MHz)				3485.01	3485.01	3500.01	3500.01	3514.98	3514.98
70	DFT-s-OFDM QPSK	1	1	27.30	0.537	27.19	0.524	27.10	0.513
Channel				632000	632000	633334	633334	634666	634666
Frequency (MHz)				3480.00	3480.00	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	27.33	0.541	27.28	0.535	27.14	0.518
Channel				631668	631668	633334	633334	635000	635000
Frequency (MHz)				3475.02	3475.02	3500.01	3500.01	3525.00	3525.00
50	DFT-s-OFDM QPSK	1	1	27.35	0.543	27.31	0.538	27.13	0.516
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	27.33	0.541	27.21	0.526	27.31	0.538
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465.00	3465.00	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	27.35	0.543	27.30	0.537	27.08	0.511
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540.00	3540.00
20	DFT-s-OFDM QPSK	1	1	27.32	0.540	27.25	0.531	26.94	0.494

B12_n77(3550-3980MHz) (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	26.76	0.474	26.80	0.479	26.99	0.500
100		1	136	27.06	0.508	27.08	0.511	26.63	0.460
100		1	271	26.80	0.479	27.11	0.514	26.99	0.500
100		135	1	26.79	0.478	26.41	0.438	26.52	0.449
100		135	67	27.01	0.502	27.17	0.521	26.76	0.474
100		135	136	26.37	0.434	26.41	0.438	26.47	0.444
100		270	0	26.53	0.450	26.79	0.478	26.39	0.436
100	DFT-s-OFDM QPSK	1	1	26.74	0.472	26.77	0.475	26.95	0.495
100		1	136	27.18	0.522	27.20	0.525	27.12	0.515
100		1	271	26.69	0.467	27.11	0.514	26.92	0.492
100		135	1	26.30	0.427	25.91	0.390	26.00	0.398
100		135	67	26.96	0.497	27.13	0.516	26.71	0.469
100		135	136	25.88	0.387	25.93	0.392	25.95	0.394
100		270	0	26.00	0.398	26.26	0.423	25.86	0.385
100	DFT-s-OFDM 16QAM	1	1	25.92	0.391	25.94	0.393	26.15	0.412
100	DFT-s-OFDM 64QAM	1	1	24.54	0.284	24.56	0.286	24.82	0.303
100	DFT-s-OFDM 256QAM	1	1	22.18	0.165	22.24	0.167	22.41	0.174
100	CP-OFDM QPSK	1	1	25.37	0.344	25.50	0.355	25.58	0.361
100	CP-OFDM 16QAM	1	1	24.96	0.313	24.99	0.316	25.13	0.326
100	CP-OFDM 64QAM	1	1	23.45	0.221	23.53	0.225	23.69	0.234
10	CP-OFDM	1	1	20.22	0.105	20.26	0.106	20.46	0.111

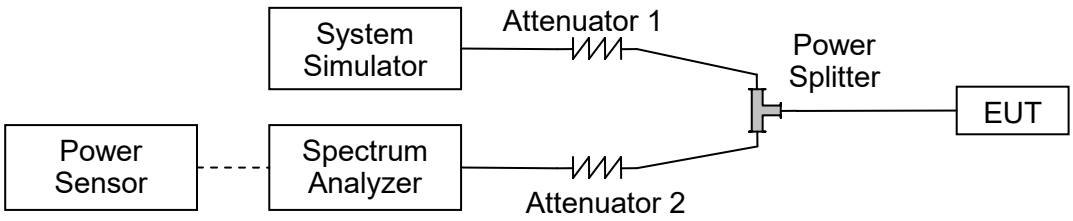
0	256QAM								
Channel				649666	649666	656000	656000	662332	662332
Frequency (MHz)				3744.99	3744.99	3840.00	3840.00	3934.98	3934.98
90	DFT-s-OFDM QPSK	1	1	26.74	0.472	26.75	0.473	27.02	0.504
Channel				649334	649334	656000	656000	662666	662666
Frequency (MHz)				3740.01	3740.01	3840.00	3840.00	3939.99	3939.99
80	DFT-s-OFDM QPSK	1	1	26.76	0.474	26.87	0.486	26.94	0.494
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	26.77	0.475	26.89	0.489	26.82	0.481
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	26.77	0.475	26.91	0.491	26.68	0.466
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	26.90	0.490	26.97	0.498	26.80	0.479
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	27.12	0.515	27.15	0.519	27.14	0.518
Channel				647668	647668	656000	656000	664332	664332
Frequency (MHz)				3715.02	3715.02	3840.00	3840.00	3964.98	3964.98
30	DFT-s-OFDM QPSK	1	1	27.08	0.511	27.02	0.504	27.13	0.516
Channel				647334	647334	656000	656000	664666	664666
Frequency (MHz)				3710.01	3710.01	3840.00	3840.00	3969.99	3969.99
20	DFT-s-OFDM QPSK	1	1	27.04	0.506	27.09	0.512	27.03	0.505

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.

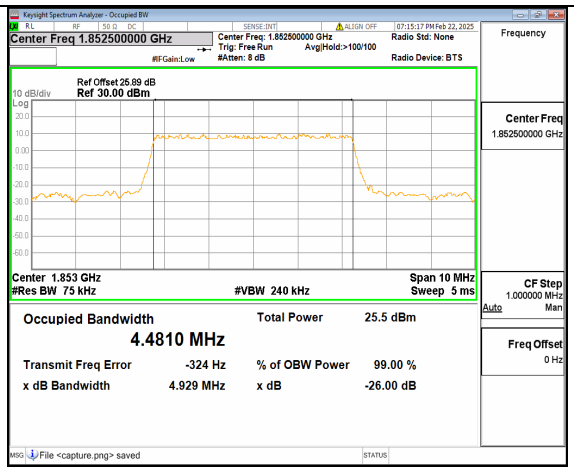
2.2.4.Test Result

Band	SCS (kHz)	BW (MHz)	ARFCN	Modulation	RB	OBW (MHz)	26dB BW (MHz)	Verdict
66A_n2	15	5	370500	DFT-s-OFDM PI/2 BPSK	25/0	4.4810	4.929	PASS
66A_n2	15	5	370500	DFT-s-OFDM QPSK	25/0	4.4849	4.908	PASS
66A_n2	15	5	370500	DFT-s-OFDM 16QAM	25/0	4.5101	4.957	PASS
66A_n2	15	5	370500	DFT-s-OFDM 64QAM	25/0	4.5107	4.975	PASS
66A_n2	15	5	370500	DFT-s-OFDM 256QAM	25/0	4.4930	4.968	PASS
66A_n2	15	5	370500	CP-OFDM QPSK	25/0	4.4945	5.012	PASS
66A_n2	15	5	376000	DFT-s-OFDM PI/2 BPSK	25/0	4.4877	4.909	PASS
66A_n2	15	5	376000	DFT-s-OFDM QPSK	25/0	4.4782	4.954	PASS
66A_n2	15	5	376000	DFT-s-OFDM 16QAM	25/0	4.4964	5.017	PASS
66A_n2	15	5	376000	DFT-s-OFDM 64QAM	25/0	4.5181	5.013	PASS
66A_n2	15	5	376000	DFT-s-OFDM 256QAM	25/0	4.4912	4.918	PASS
66A_n2	15	5	376000	CP-OFDM QPSK	25/0	4.4826	5.051	PASS
66A_n2	15	5	381500	DFT-s-OFDM PI/2 BPSK	25/0	4.4831	4.956	PASS
66A_n2	15	5	381500	DFT-s-OFDM QPSK	25/0	4.4853	4.999	PASS
66A_n2	15	5	381500	DFT-s-OFDM 16QAM	25/0	4.4759	4.948	PASS
66A_n2	15	5	381500	DFT-s-OFDM 64QAM	25/0	4.5145	4.964	PASS
66A_n2	15	5	381500	DFT-s-OFDM 256QAM	25/0	4.4883	4.899	PASS
66A_n2	15	5	381500	CP-OFDM QPSK	25/0	4.4901	4.983	PASS
66A_n2	15	10	371000	DFT-s-OFDM PI/2 BPSK	50/0	8.9563	9.632	PASS
66A_n2	15	10	371000	DFT-s-OFDM QPSK	50/0	8.9599	9.672	PASS
66A_n2	15	10	371000	DFT-s-OFDM 16QAM	50/0	8.9657	9.623	PASS
66A_n2	15	10	371000	DFT-s-OFDM 64QAM	50/0	8.9518	9.605	PASS
66A_n2	15	10	371000	DFT-s-OFDM 256QAM	50/0	8.9556	9.632	PASS

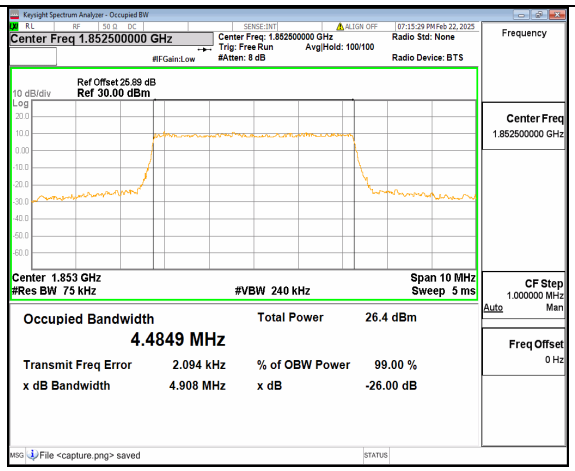
66A_n2	15	10	371000	CP-OFDM QPSK	52/0	9.3188	10.016	PASS
66A_n2	15	10	376000	DFT-s-OFDM PI/2 BPSK	50/0	8.9510	9.642	PASS
66A_n2	15	10	376000	DFT-s-OFDM QPSK	50/0	8.9615	9.651	PASS
66A_n2	15	10	376000	DFT-s-OFDM 16QAM	50/0	8.9649	9.729	PASS
66A_n2	15	10	376000	DFT-s-OFDM 64QAM	50/0	8.9675	9.595	PASS
66A_n2	15	10	376000	DFT-s-OFDM 256QAM	50/0	8.9674	9.669	PASS
66A_n2	15	10	376000	CP-OFDM QPSK	52/0	9.3240	10.074	PASS
66A_n2	15	10	381000	DFT-s-OFDM PI/2 BPSK	50/0	8.9562	9.625	PASS
66A_n2	15	10	381000	DFT-s-OFDM QPSK	50/0	8.9605	9.574	PASS
66A_n2	15	10	381000	DFT-s-OFDM 16QAM	50/0	8.9648	9.644	PASS
66A_n2	15	10	381000	DFT-s-OFDM 64QAM	50/0	8.9746	9.615	PASS
66A_n2	15	10	381000	DFT-s-OFDM 256QAM	50/0	8.9771	9.574	PASS
66A_n2	15	10	381000	CP-OFDM QPSK	52/0	9.3249	10.109	PASS
66A_n2	15	15	371500	DFT-s-OFDM PI/2 BPSK	75/0	13.457	14.208	PASS
66A_n2	15	15	371500	DFT-s-OFDM QPSK	75/0	13.429	14.292	PASS
66A_n2	15	15	371500	DFT-s-OFDM 16QAM	75/0	13.452	14.270	PASS
66A_n2	15	15	371500	DFT-s-OFDM 64QAM	75/0	13.449	14.313	PASS
66A_n2	15	15	371500	DFT-s-OFDM 256QAM	75/0	13.474	14.335	PASS
66A_n2	15	15	371500	CP-OFDM QPSK	79/0	14.131	14.997	PASS
66A_n2	15	15	376000	DFT-s-OFDM PI/2 BPSK	75/0	13.485	14.304	PASS
66A_n2	15	15	376000	DFT-s-OFDM QPSK	75/0	13.443	14.309	PASS
66A_n2	15	15	376000	DFT-s-OFDM 16QAM	75/0	13.458	14.215	PASS
66A_n2	15	15	376000	DFT-s-OFDM 64QAM	75/0	13.447	14.364	PASS
66A_n2	15	15	376000	DFT-s-OFDM 256QAM	75/0	13.477	14.254	PASS

66A_n2	15	15	376000	CP-OFDM QPSK	79/0	14.139	14.964	PASS
66A_n2	15	15	380500	DFT-s-OFDM PI/2 BPSK	75/0	13.489	14.304	PASS
66A_n2	15	15	380500	DFT-s-OFDM QPSK	75/0	13.458	14.257	PASS
66A_n2	15	15	380500	DFT-s-OFDM 16QAM	75/0	13.468	14.302	PASS
66A_n2	15	15	380500	DFT-s-OFDM 64QAM	75/0	13.469	14.343	PASS
66A_n2	15	15	380500	DFT-s-OFDM 256QAM	75/0	13.508	14.344	PASS
66A_n2	15	15	380500	CP-OFDM QPSK	79/0	14.174	15.055	PASS
66A_n2	15	20	372000	DFT-s-OFDM PI/2 BPSK	100/0	17.889	18.855	PASS
66A_n2	15	20	372000	DFT-s-OFDM QPSK	100/0	17.921	19.008	PASS
66A_n2	15	20	372000	DFT-s-OFDM 16QAM	100/0	17.875	18.863	PASS
66A_n2	15	20	372000	DFT-s-OFDM 64QAM	100/0	17.870	18.855	PASS
66A_n2	15	20	372000	DFT-s-OFDM 256QAM	100/0	17.866	18.852	PASS
66A_n2	15	20	372000	CP-OFDM QPSK	106/0	18.964	19.966	PASS
66A_n2	15	20	376000	DFT-s-OFDM PI/2 BPSK	100/0	17.906	18.783	PASS
66A_n2	15	20	376000	DFT-s-OFDM QPSK	100/0	17.951	18.994	PASS
66A_n2	15	20	376000	DFT-s-OFDM 16QAM	100/0	17.894	18.904	PASS
66A_n2	15	20	376000	DFT-s-OFDM 64QAM	100/0	17.893	18.793	PASS
66A_n2	15	20	376000	DFT-s-OFDM 256QAM	100/0	17.887	18.829	PASS
66A_n2	15	20	376000	CP-OFDM QPSK	106/0	18.998	22.789	PASS
66A_n2	15	20	380000	DFT-s-OFDM PI/2 BPSK	100/0	17.902	18.753	PASS
66A_n2	15	20	380000	DFT-s-OFDM QPSK	100/0	17.960	18.965	PASS
66A_n2	15	20	380000	DFT-s-OFDM 16QAM	100/0	17.908	18.881	PASS
66A_n2	15	20	380000	DFT-s-OFDM 64QAM	100/0	17.905	18.844	PASS
66A_n2	15	20	380000	DFT-s-OFDM 256QAM	100/0	17.874	18.888	PASS

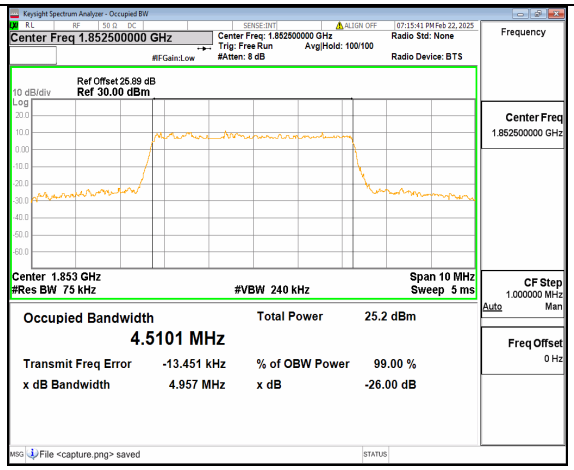
66A_n2	15	20	380000	CP-OFDM QPSK	106/0	18.983	20.610	PASS



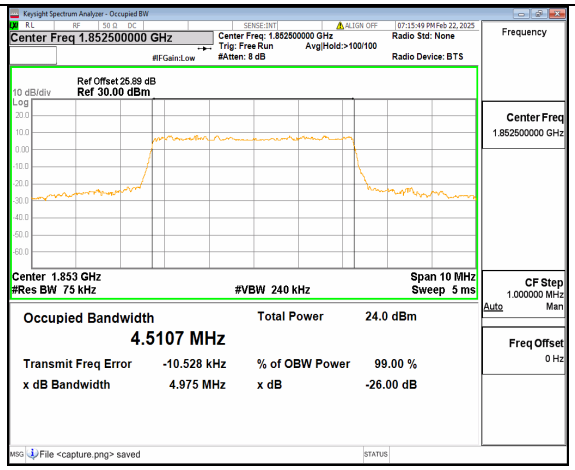
66A_n2 5M DFT-s-OFDM BPSK Outer_Full Low



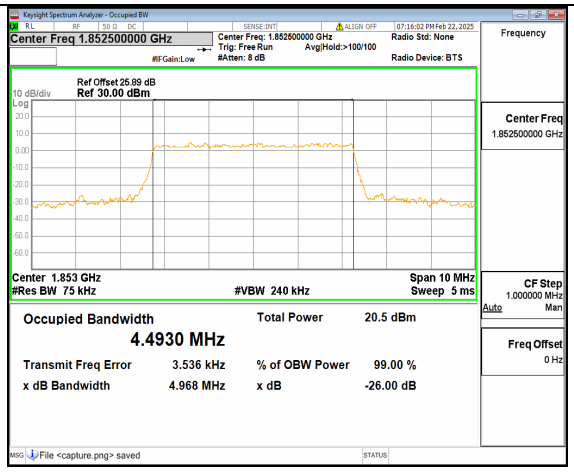
66A_n2 5M DFT-s-OFDM QPSK Outer_Full Low



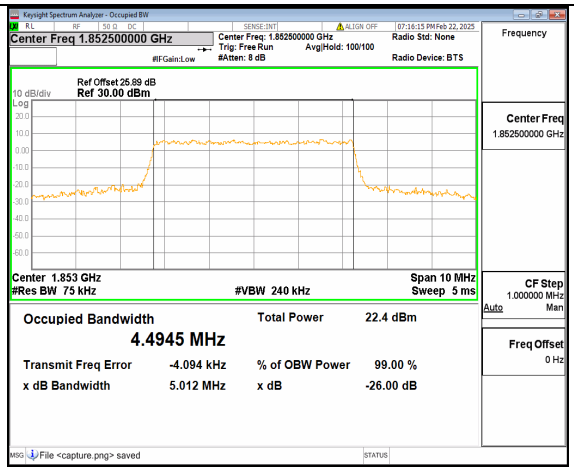
66A_n2 5M DFT-s-OFDM 16QAM Outer_Full Low



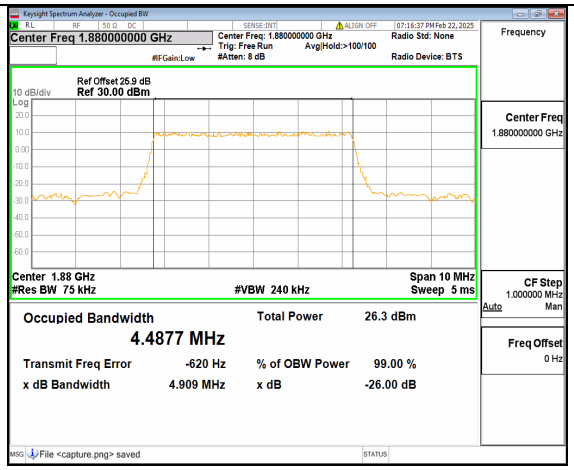
66A_n2 5M DFT-s-OFDM 64QAM Outer_Full Low



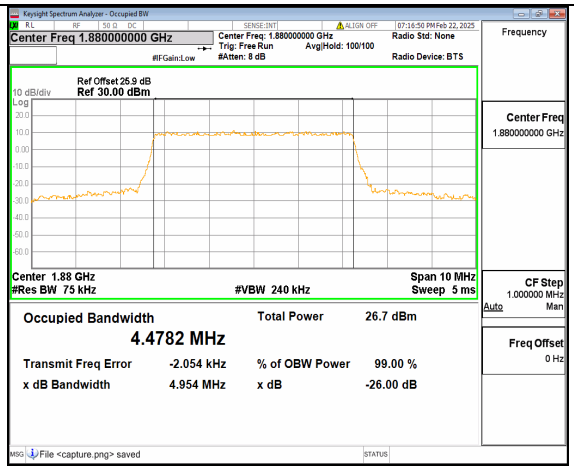
66A_n2 5M DFT-s-OFDM 256QAM Outer_Full Low



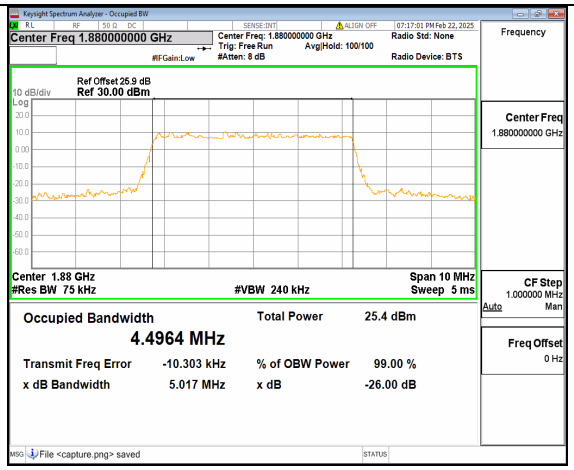
66A_n2 5M CP-OFDM QPSK Outer_Full Low



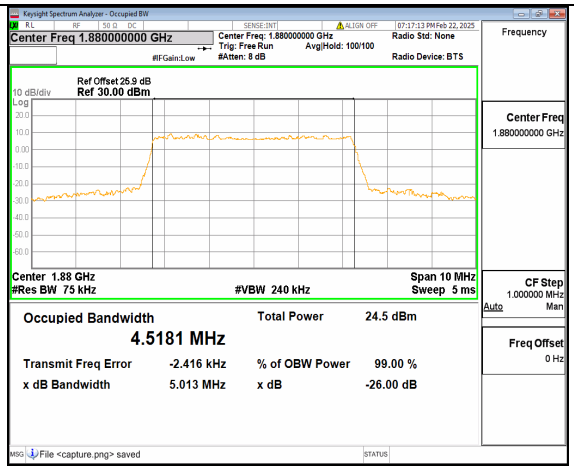
66A_n2 5M DFT-s-OFDM BPSK Outer_Full Mid



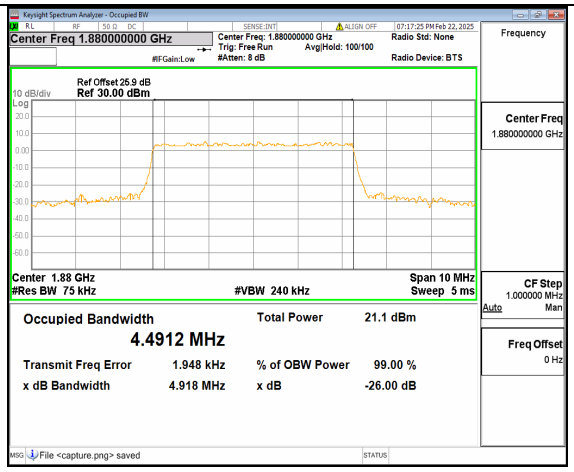
66A_n2 5M DFT-s-OFDM QPSK Outer_Full Mid



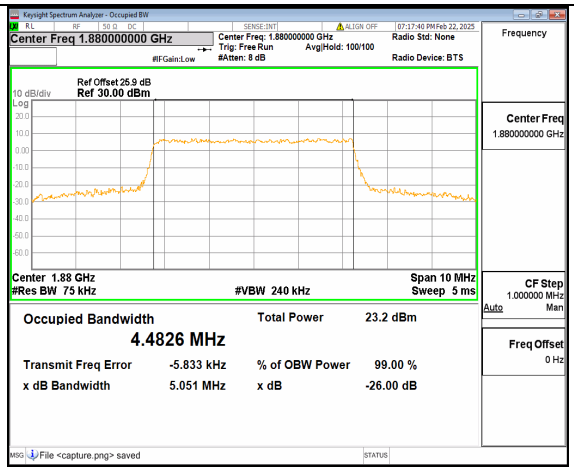
66A_n2 5M DFT-s-OFDM 16QAM Outer_Full Mid



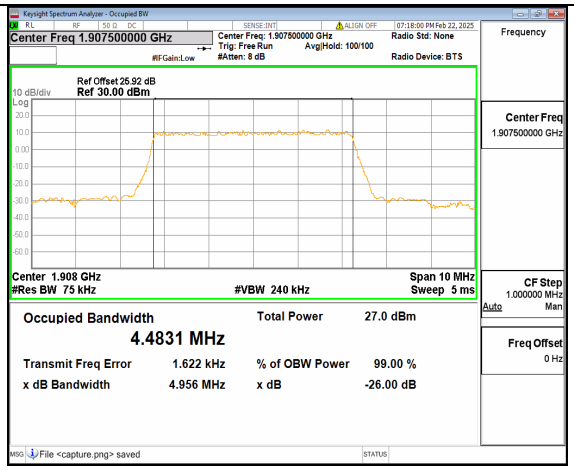
66A_n2 5M DFT-s-OFDM 64QAM Outer_Full Mid



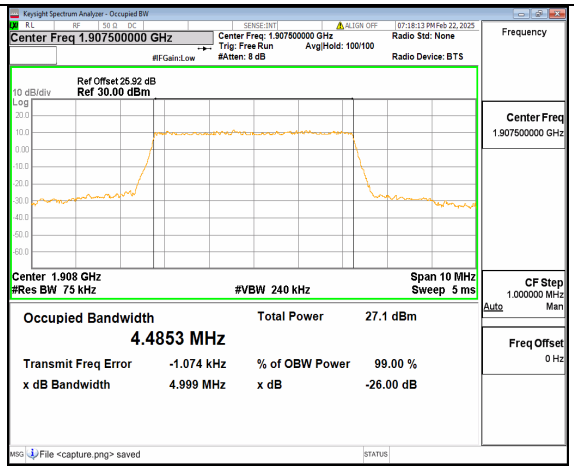
66A_n2 5M DFT-s-OFDM 256QAM Outer_Full Mid



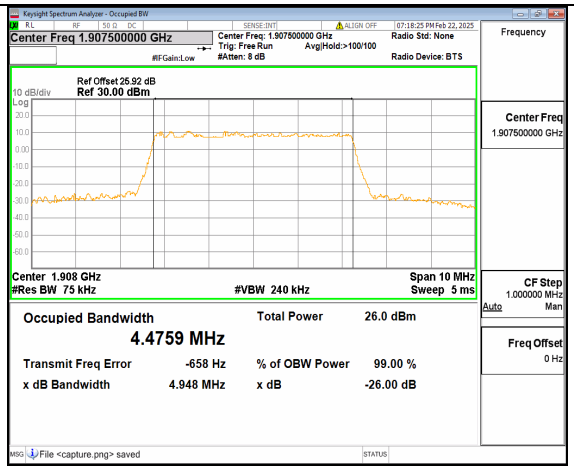
66A_n2 5M CP-OFDM QPSK Outer_Full Mid



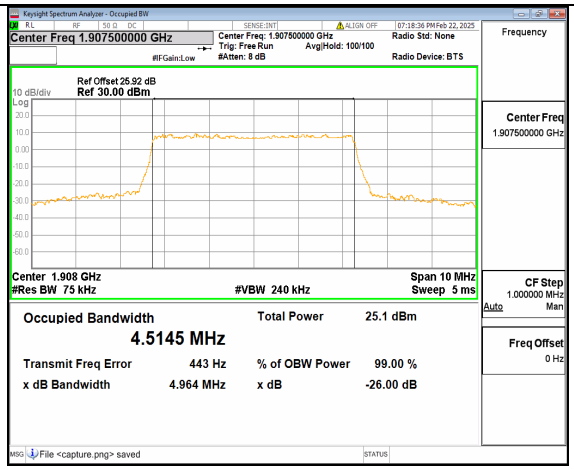
66A_n2 5M DFT-s-OFDM BPSK Outer_Full High



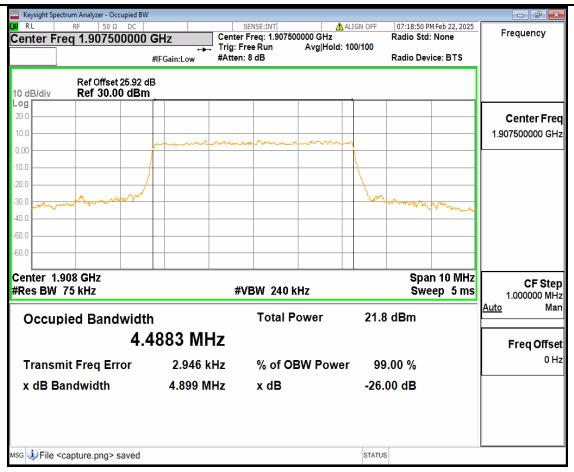
66A_n2 5M DFT-s-OFDM QPSK Outer_Full High



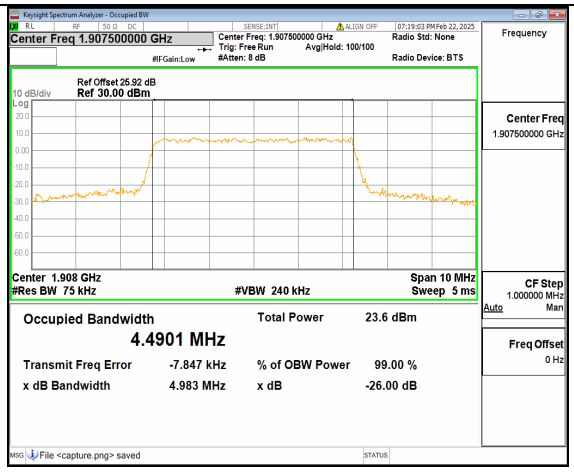
66A_n2 5M DFT-s-OFDM 16QAM Outer_Full High



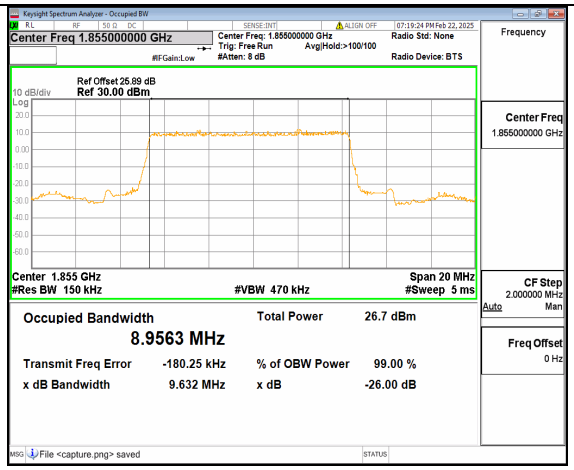
66A_n2 5M DFT-s-OFDM 64QAM Outer_Full High



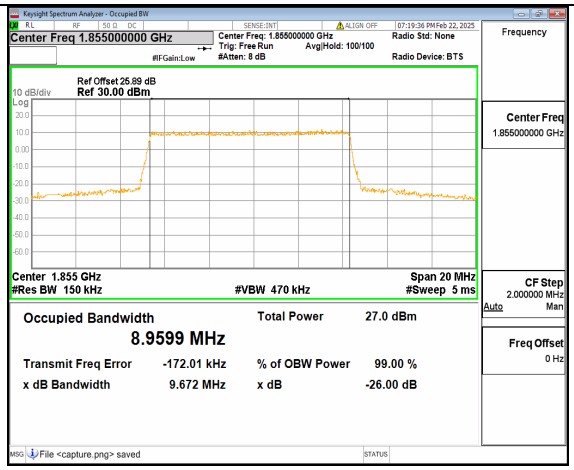
66A_n2 5M DFT-s-OFDM 256QAM Outer_Full High



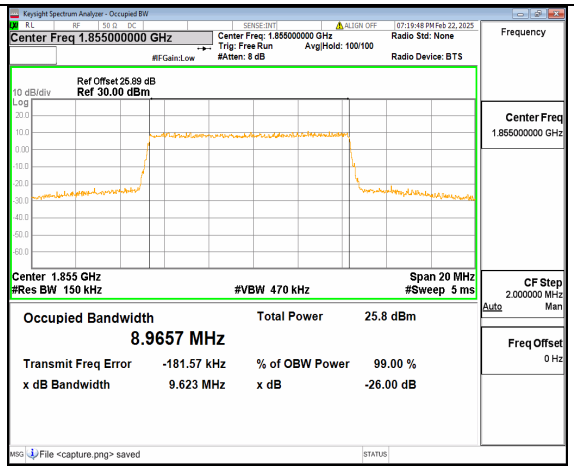
66A_n2 5M CP-OFDM QPSK Outer_Full High



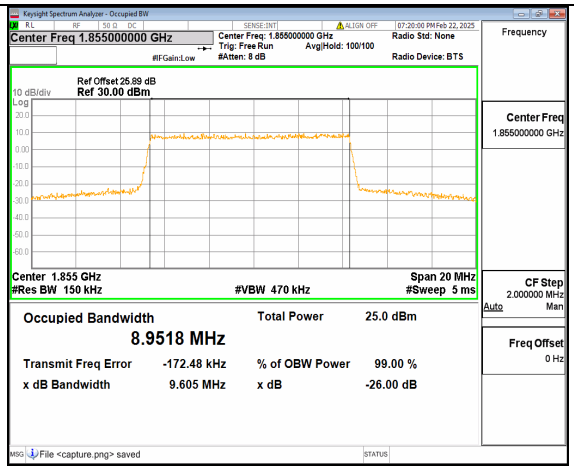
66A_n2 10M DFT-s-OFDM BPSK Outer_Full Low



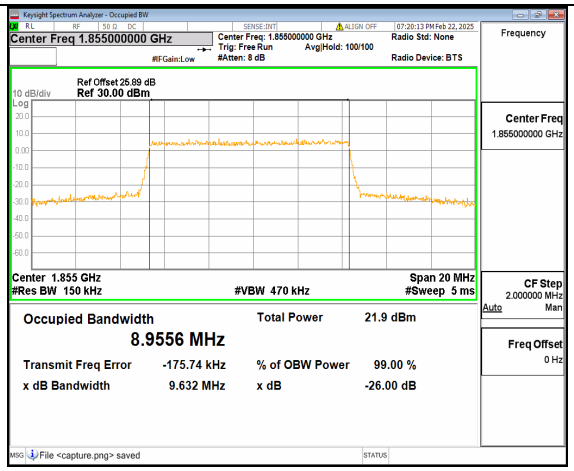
66A_n2 10M DFT-s-OFDM QPSK Outer_Full Low



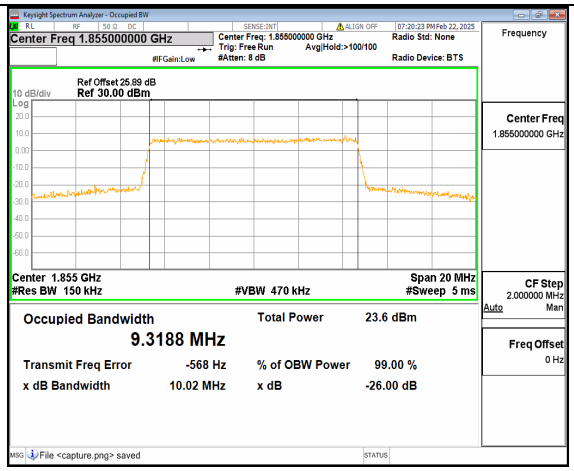
66A_n2 10M DFT-s-OFDM 16QAM Outer_Full Low



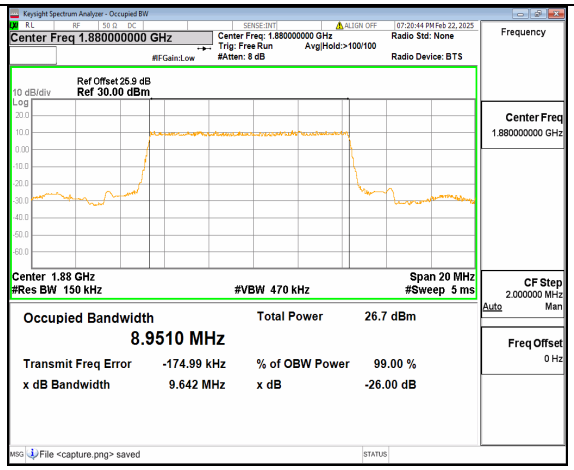
66A_n2 10M DFT-s-OFDM 64QAM Outer_Full Low



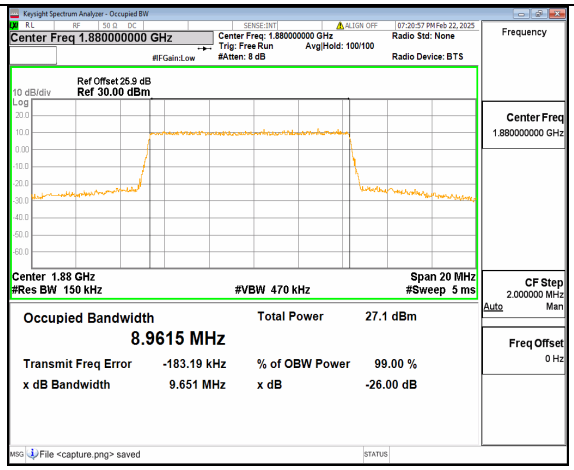
66A_n2 10M DFT-s-OFDM 256QAM Outer_Full Low



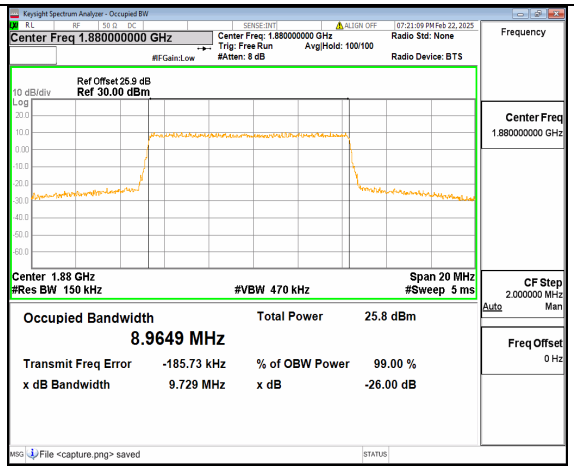
66A_n2 10M CP-OFDM QPSK Outer_Full Low



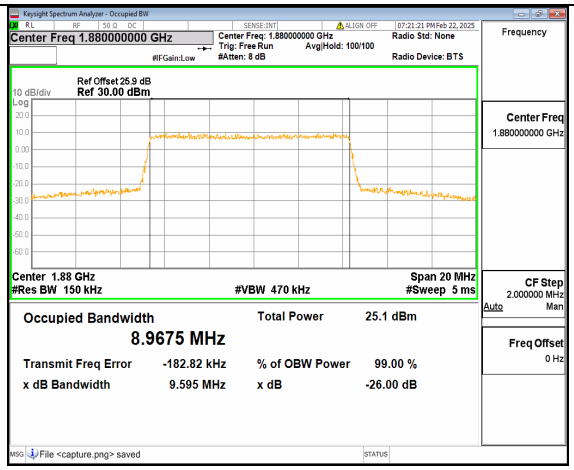
66A_n2 10M DFT-s-OFDM BPSK Outer_Full Mid



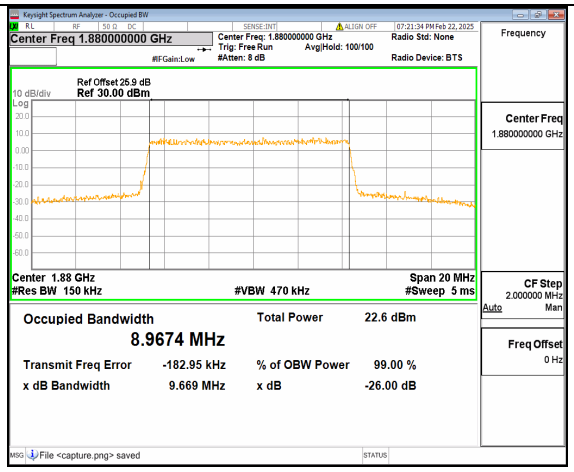
66A_n2 10M DFT-s-OFDM QPSK Outer_Full Mid



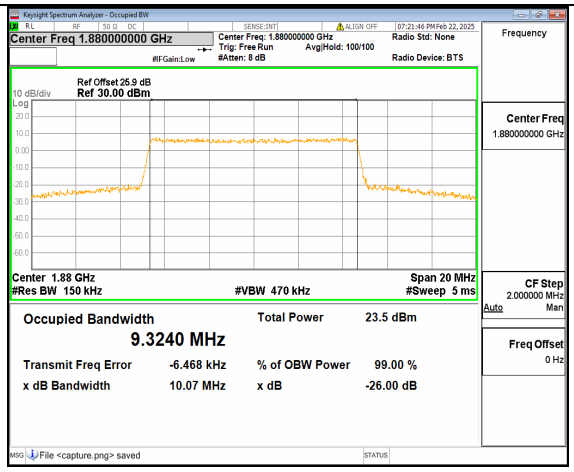
66A_n2 10M DFT-s-OFDM 16QAM Outer_Full Mid



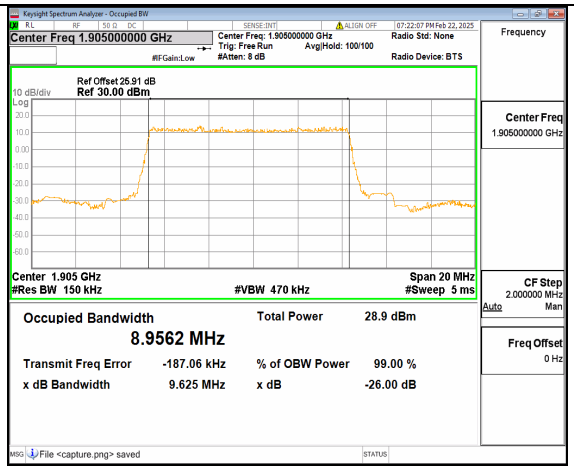
66A_n2 10M DFT-s-OFDM 64QAM Outer_Full Mid



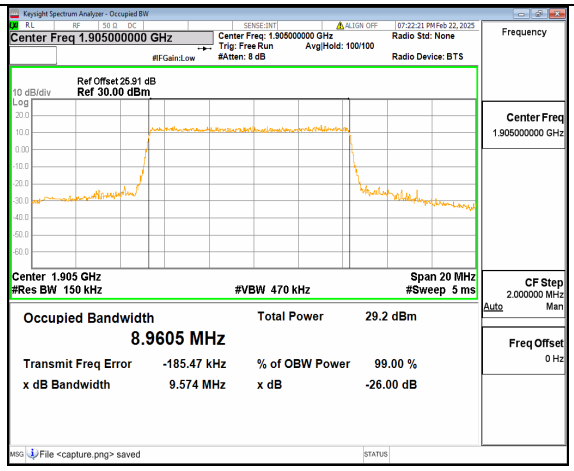
66A_n2 10M DFT-s-OFDM 256QAM Outer_Full Mid



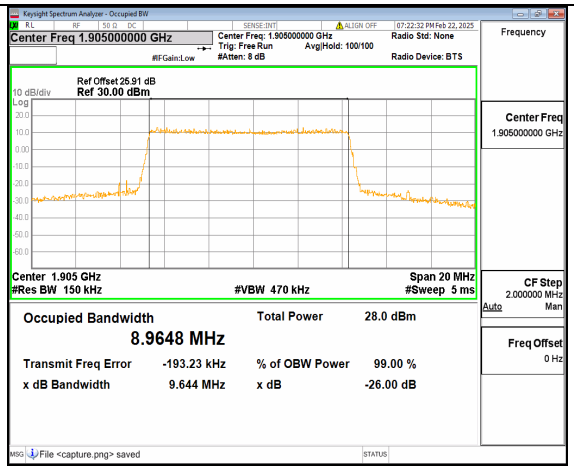
66A_n2 10M CP-OFDM QPSK Outer_Full Mid



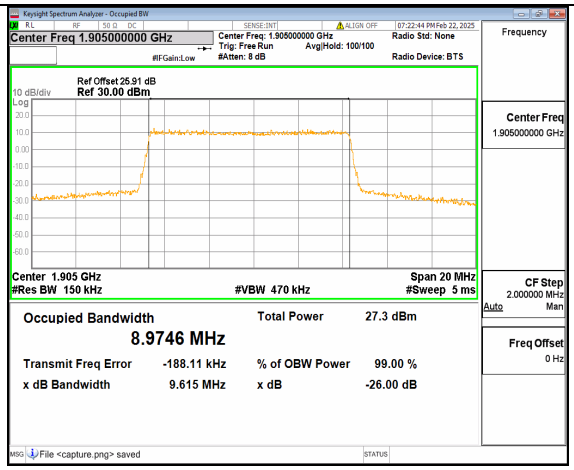
66A_n2 10M DFT-s-OFDM BPSK Outer_Full High



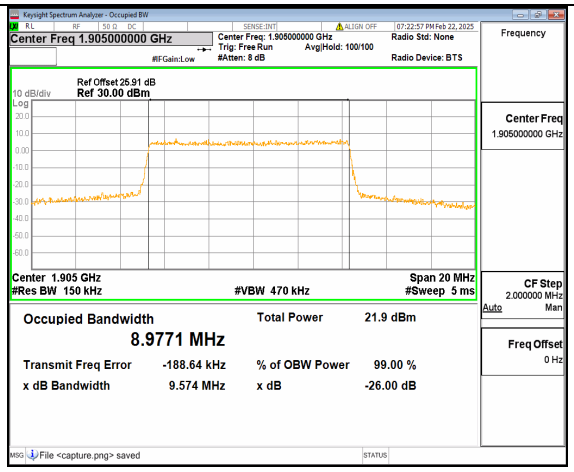
66A_n2 10M DFT-s-OFDM QPSK Outer_Full High



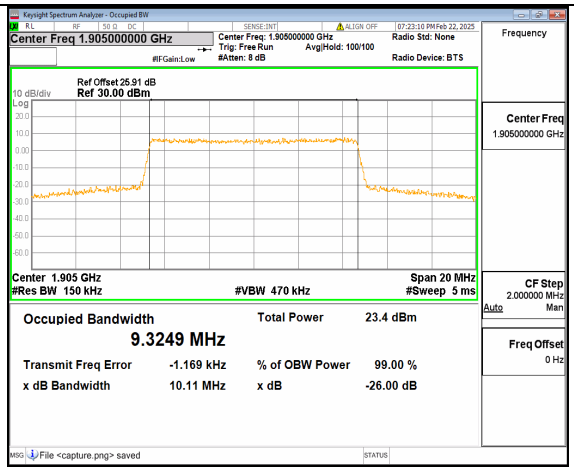
66A_n2 10M DFT-s-OFDM 16QAM Outer_Full High



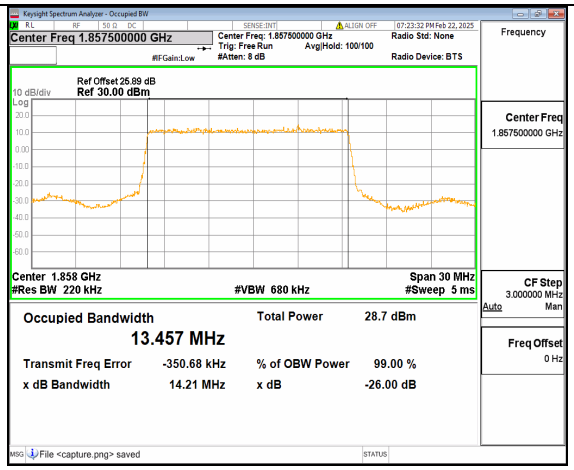
66A_n2 10M DFT-s-OFDM 64QAM Outer_Full High



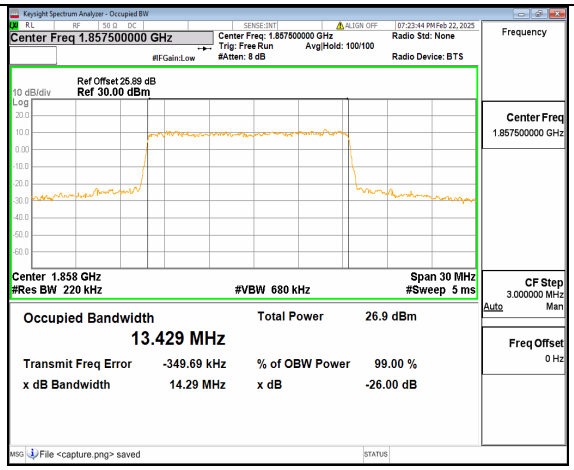
66A_n2 10M DFT-s-OFDM 256QAM Outer_Full High



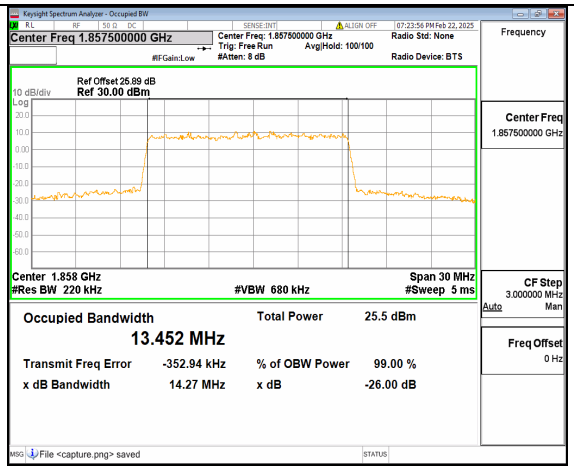
66A_n2 10M CP-OFDM QPSK Outer_Full High



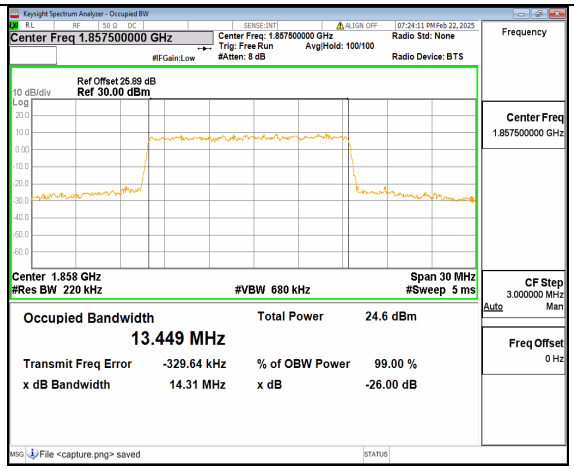
66A_n2 15M DFT-s-OFDM BPSK Outer_Full Low



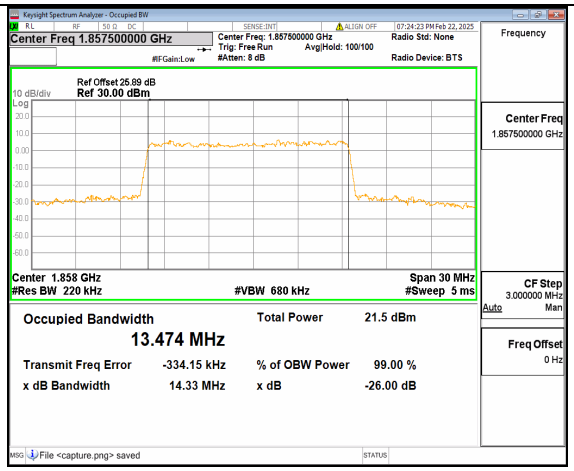
66A_n2 15M DFT-s-OFDM QPSK Outer_Full Low



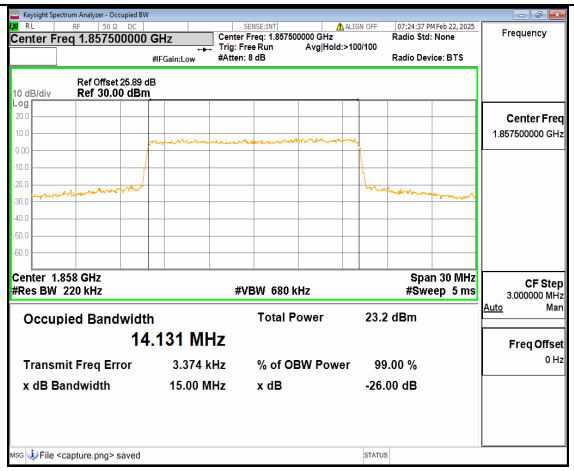
66A_n2 15M DFT-s-OFDM 16QAM Outer_Full Low



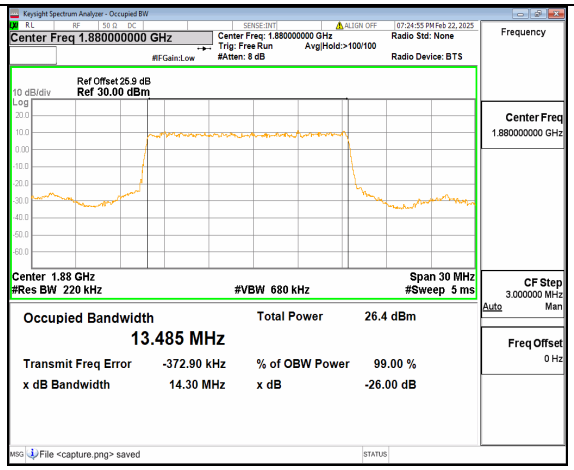
66A_n2 15M DFT-s-OFDM 64QAM Outer_Full Low



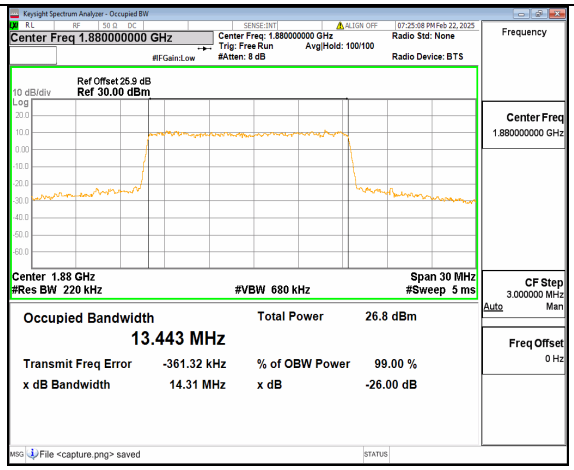
66A_n2 15M DFT-s-OFDM 256QAM Outer_Full Low



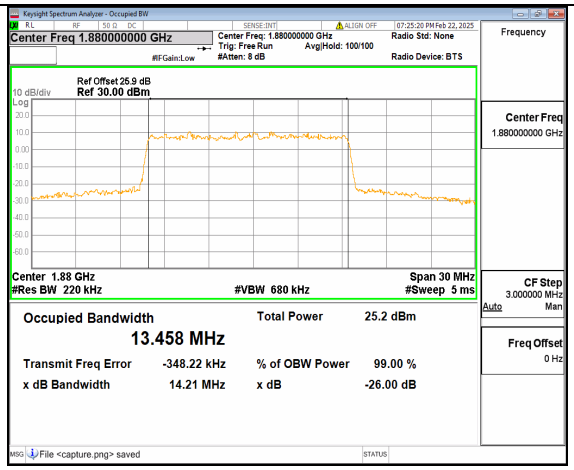
66A_n2 15M CP-OFDM QPSK Outer_Full Low



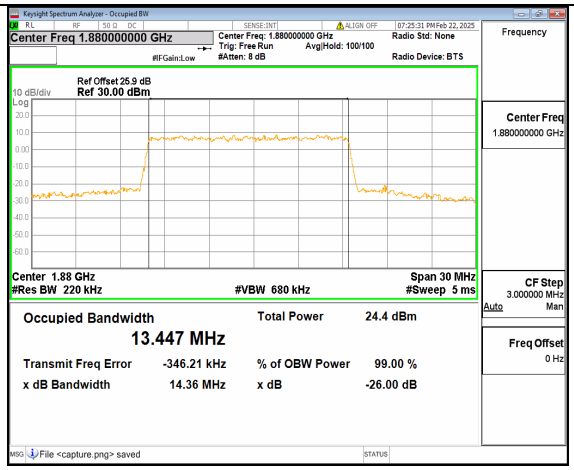
66A_n2 15M DFT-s-OFDM BPSK Outer_Full Mid



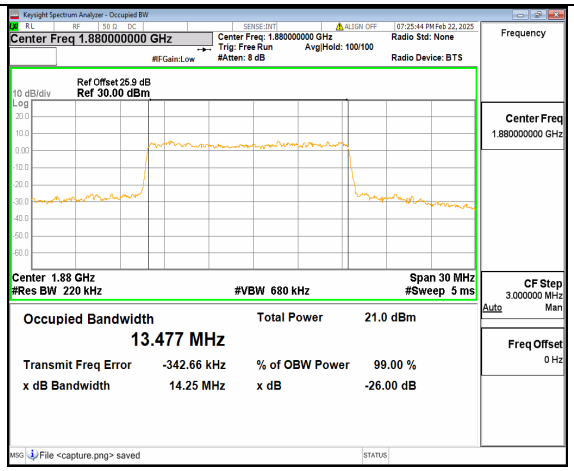
66A_n2 15M DFT-s-OFDM QPSK Outer_Full Mid



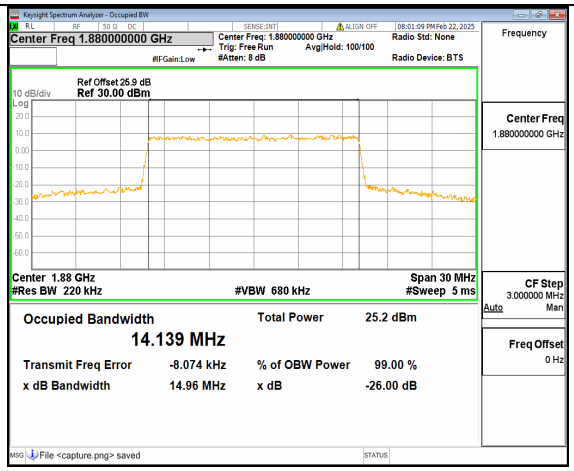
66A_n2 15M DFT-s-OFDM 16QAM Outer_Full Mid



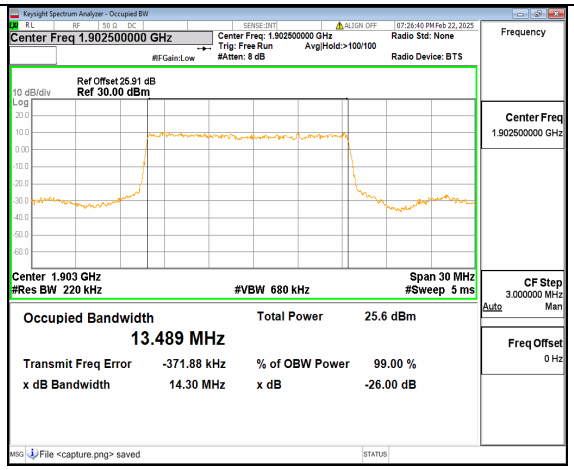
66A_n2 15M DFT-s-OFDM 64QAM Outer_Full Mid



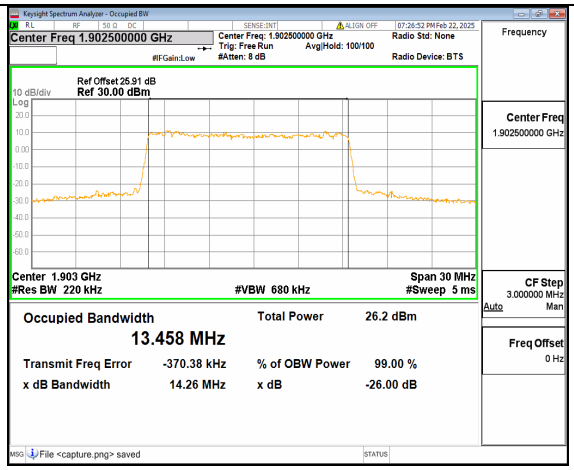
66A_n2 15M DFT-s-OFDM 256QAM Outer_Full Mid



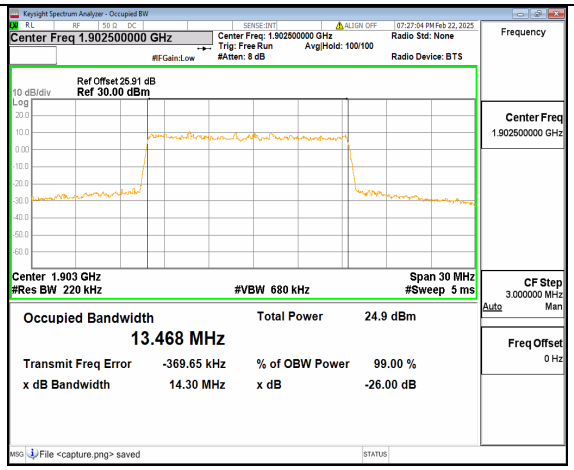
66A_n2 15M CP-OFDM QPSK Outer_Full Mid



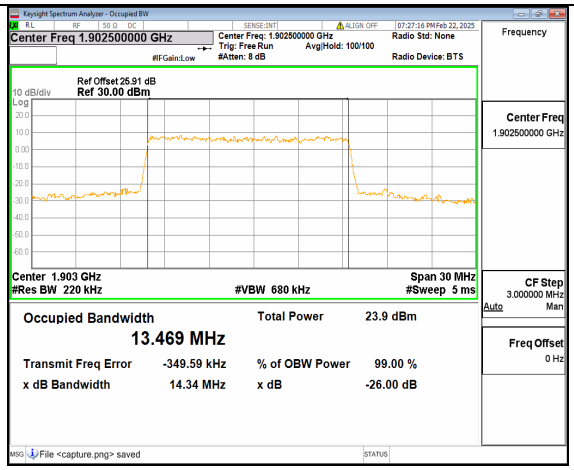
66A_n2 15M DFT-s-OFDM BPSK Outer_Full High



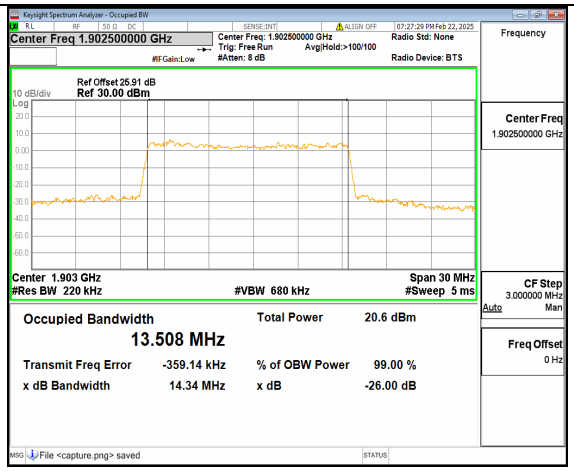
66A_n2 15M DFT-s-OFDM QPSK Outer_Full High



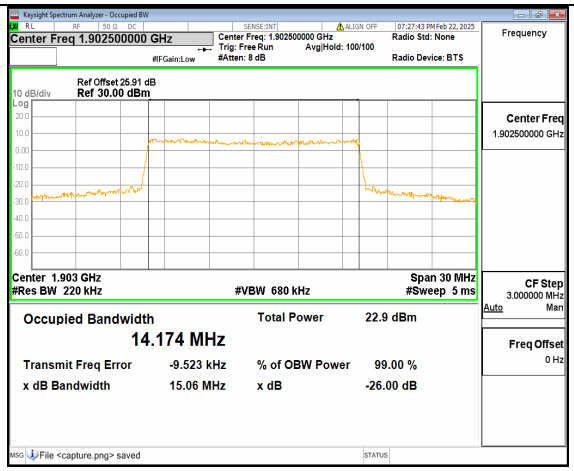
66A_n2 15M DFT-s-OFDM 16QAM Outer_Full High



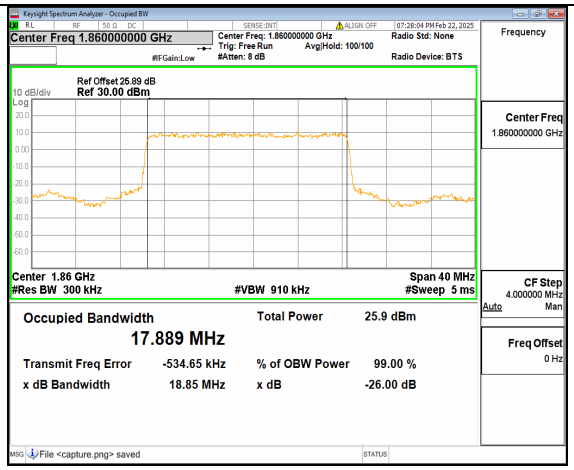
66A_n2 15M DFT-s-OFDM 64QAM Outer_Full High



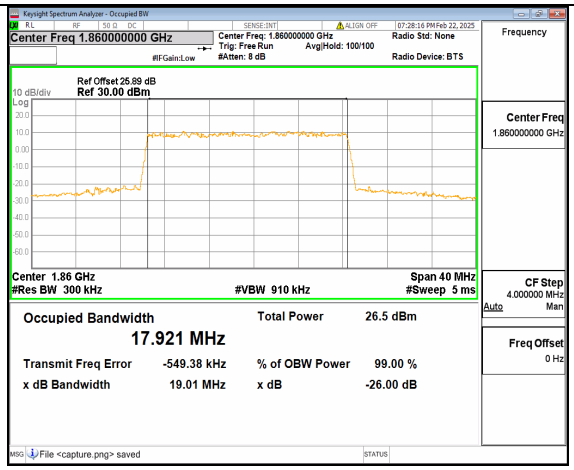
66A_n2 15M DFT-s-OFDM 256QAM Outer_Full High



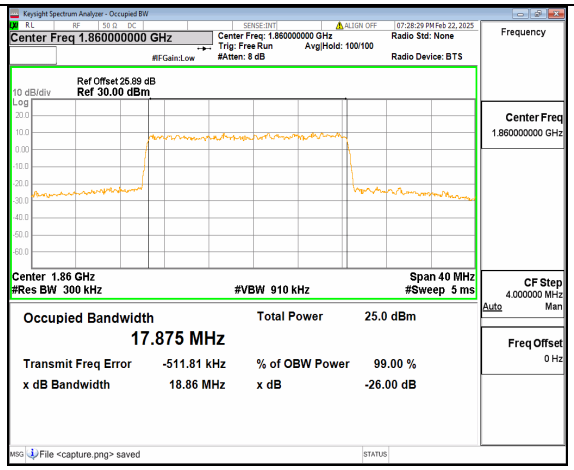
66A_n2 15M CP-OFDM QPSK Outer_Full High



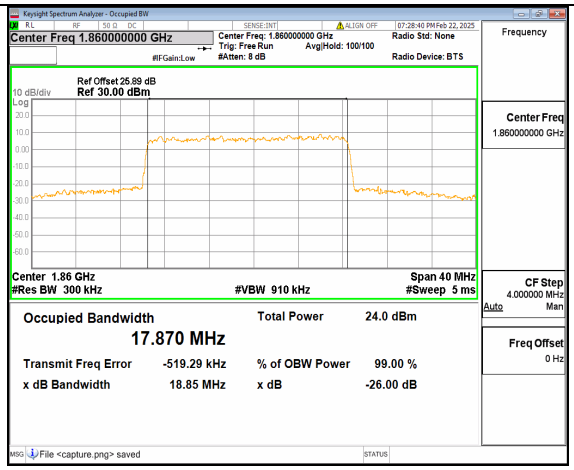
66A_n2 20M DFT-s-OFDM BPSK Outer_Full Low



66A_n2 20M DFT-s-OFDM QPSK Outer_Full Low



66A_n2 20M DFT-s-OFDM 16QAM Outer_Full Low



66A_n2 20M DFT-s-OFDM 64QAM Outer_Full Low