TEST REPORT

APPLICANT	:	Reliance Communications LLC
PRODUCT NAME	:	Orbic Trophy 5G
MODEL NAME	:	R667L5
BRAND NAME	:	Orbic
FCC ID	:	2ABGH-R667L5
STANDARD(S)	:	47 CFR Part 2 47 CFR Part 22 47 CFR Part 24 47 CFR Part 27
RECEIPT DATE	:	2023-11-29
TEST DATE	:	2023-12-13 to 2024-02-01
ISSUE DATE	:	2024-04-24

Edited by: Gan jing (Rapporteur)

Approved by: Shen Junsheng (Supervisor)

DIRECTORY

Change History		
Version	Date	Reason for change
1.0	2024-04-24	First edition

1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

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

1.2. Equipment Under Test (EUT) Description

Product Name:	Orbic Trophy 5G	
Hardware Version:	V1.0	
Software Version:	R667L5_v1.0.4_BLB	
Sample No.:	1#,21#	
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, n66
EN-DC Band:	n2	DC_5A_n2, DC_13A_n2, DC_66A_n2
	n5	DC_2A_n5, DC_66A_n5
	n66	DC_2A_n66, DC_5A_n66, DC_13A_n66
	n77	DC_2A_n77, DC_5A_n77, DC_13A_n77, DC_66A_n77
Frequency Range:	n2	Tx: 1850MHz-1910MHz
		Rx: 1930MHz-1990MHz
	n5	Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	n66	Tx: 1710MHz-1780MHz
		Rx: 2110MHz-2200MHz
	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
	n66	5MHz, 10MHz, 15MHz, 20MHz, 30MHz
	n77	20MHz, 30MHz, 40MHz, 60MHz, 80MHz, 100MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	n2	ANT3: 1.35dB
	n5	ANT1: -2.85dBi
	n66	ANT3: 0.89dBi
	n77	ANT4:0.33 dBi, ANT10:-0.29 dBi,
Accessory Information:	**Battery :**	
	Brand Name:	Shenbird
	Model No.:	BTE-5003
	Serial No.:	N/A
	Capacity:	5000mAh
	Rated Voltage:	3.89V
	Charge Limit:	4.48V
	Manufacturer:	Shenbird New Energy (Huizhou) Co., Ltd.
	AC Adapter :	
	Brand Name:	Orbic
	Model No.:	OACH023US1
	Serial No.:	N/A
	Rated Input:	100-240V~50/60HZ, 0.5A
	Rated Output:	5V⎓3A or 9V⎓2A or 12V⎓1.5A
	Manufacturer 1:	WATAI ELECTRONICS PRIVATE LIMITED
	Manufacturer 2:	KANGYIN ELECTRONIC TECHNOLOGY CO.,LTD
	USB Cable :	
	Model No.:	HX-YLMK-06
	Manufacturer:	HUIZHOU WASHIN ELECTRONICS CO.,LTD

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

Note 2: According to the measured power of all frequency bands, the frequency band with the highest power was selected for the same NR frequency band for testing.

1.3. Maximum ERP/EIRP and Emission Designator

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

ERP (dBm) = EIPR (dBm) - 2.15

B5_n2						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.483	4M48G7D
	QPSK	23.46	24.81	0.303	4.476	4M48G7D
	16QAM	/	/	/	4.489	4M49W7D
	64QAM	/	/	/	4.497	4M50W7D
	256QAM	/	/	/	4.484	4M48W7D
	CP-QPSK	/	/	/	4.485	4M49G7D
10	PI/2 BPSK	/	/	/	8.935	8M94G7D
	QPSK	23.49	24.84	0.305	8.935	8M94G7D
	16QAM	/	/	/	8.913	8M91W7D
	64QAM	/	/	/	8.927	8M93W7D
	256QAM	/	/	/	8.944	8M94W7D
	CP-QPSK	/	/	/	9.312	9M31G7D
15	PI/2 BPSK	/	/	/	13.450	13M5G7D
	QPSK	23.33	24.68	0.294	13.418	13M4G7D
	16QAM	/	/	/	13.433	13M4W7D
	64QAM	/	/	/	13.431	13M4W7D
	256QAM	/	/	/	13.456	13M5W7D
	CP-QPSK	/	/	/	14.115	14M1G7D
20	PI/2 BPSK	23.36	24.71	0.296	17.878	17M9G7D
	QPSK	23.57	24.92	0.310	17.910	17M9G7D
	16QAM	23.52	24.87	0.307	17.871	17M9W7D
	64QAM	22.00	23.35	0.216	17.867	17M9W7D
	256QAM	19.85	21.20	0.132	17.859	17M9W7D
	CP-QPSK	/	/	/	18.946	19M0G7D

B13_n2						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	/	/
	QPSK	23.38	24.73	0.297	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
10	PI/2 BPSK	/	/	/	/	/
	QPSK	23.41	24.76	0.299	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
15	PI/2 BPSK	/	/	/	/	/
	QPSK	23.40	24.75	0.299	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
20	PI/2 BPSK	23.39	24.74	0.298	/	/
	QPSK	23.55	24.90	0.309	/	/
	16QAM	23.51	24.86	0.306	/	/
	64QAM	21.98	23.33	0.215	/	/
	256QAM	19.87	21.22	0.132	/	/
	CP-QPSK	/	/	/	/	/

B66_n2						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	/	/
	QPSK	23.54	24.89	0.308	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
10	PI/2 BPSK	/	/	/	/	/
	QPSK	23.54	24.89	0.308	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
15	PI/2 BPSK	/	/	/	/	/
	QPSK	23.48	24.83	0.304	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
20	PI/2 BPSK	23.51	24.86	0.306	/	/
	QPSK	23.56	24.91	0.310	/	/
	16QAM	22.86	24.21	0.264	/	/
	64QAM	21.26	22.61	0.182	/	/
	256QAM	19.21	20.56	0.114	/	/
	CP-QPSK	/	/	/	/	/

B2_n5						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	/	/
	QPSK	23.54	18.54	0.071	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
10	PI/2 BPSK	/	/	/	/	/
	QPSK	23.48	18.48	0.070	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
15	PI/2 BPSK	/	/	/	/	/
	QPSK	23.47	18.47	0.070	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
20	PI/2 BPSK	23.50	18.50	0.071	/	/
	QPSK	23.63	18.63	0.073	/	/
	16QAM	23.61	18.61	0.073	/	/
	64QAM	22.09	17.09	0.051	/	/
	256QAM	19.92	14.92	0.031	/	/
	CP-QPSK	/	/	/	/	/

B66_n5						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.484	4M48G7D
	QPSK	23.49	18.49	0.071	4.472	4M47G7D
	16QAM	/	/	/	4.479	4M48W7D
	64QAM	/	/	/	4.501	4M50W7D
	256QAM	/	/	/	4.484	4M48W7D
	CP-QPSK	/	/	/	4.484	4M48G7D
10	PI/2 BPSK	/	/	/	8.912	8M91G7D
	QPSK	23.43	18.43	0.070	8.919	8M92G7D
	16QAM	/	/	/	8.904	8M90W7D
	64QAM	/	/	/	8.921	8M92W7D
	256QAM	/	/	/	8.931	8M93W7D
	CP-QPSK	/	/	/	9.291	9M29G7D
15	PI/2 BPSK	/	/	/	13.435	13M4G7D
	QPSK	23.58	18.58	0.072	13.405	13M4G7D
	16QAM	/	/	/	13.432	13M4W7D
	64QAM	/	/	/	13.434	13M4W7D
	256QAM	/	/	/	13.434	13M4W7D
	CP-QPSK	/	/	/	14.109	14M1G7D
20	PI/2 BPSK	23.72	18.72	0.074	17.868	17M9G7D
	QPSK	23.82	18.82	0.076	17.888	17M9G7D
	16QAM	23.81	18.81	0.076	17.847	17M9W7D
	64QAM	22.32	17.32	0.054	17.849	17M9W7D
	256QAM	20.25	15.25	0.033	17.836	17M8W7D
	CP-QPSK	/	/	/	18.915	18M9G7D

B2_n66						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.495	4M50G7D
	QPSK	23.86	24.75	0.299	4.486	4M49G7D
	16QAM	/	/	/	4.481	4M48W7D
	64QAM	/	/	/	4.501	4M50W7D
	256QAM	/	/	/	4.491	4M49W7D
	CP-QPSK	/	/	/	4.498	4M50G7D
10	PI/2 BPSK	/	/	/	8.947	8M95G7D
	QPSK	23.87	24.76	0.299	8.946	8M95G7D
	16QAM	/	/	/	8.931	8M93W7D
	64QAM	/	/	/	8.946	8M95W7D
	256QAM	/	/	/	8.962	8M96W7D
	CP-QPSK	/	/	/	9.326	9M33G7D
15	PI/2 BPSK	/	/	/	13.467	13M5G7D
	QPSK	23.86	24.75	0.299	13.439	13M4G7D
	16QAM	/	/	/	13.465	13M5W7D
	64QAM	/	/	/	13.454	13M5W7D
	256QAM	/	/	/	13.495	13M5W7D
	CP-QPSK	/	/	/	14.143	14M1G7D
20	PI/2 BPSK	/	/	/	17.928	17M9G7D
	QPSK	23.89	24.78	0.301	17.984	18M0G7D
	16QAM	/	/	/	17.926	17M9W7D
	64QAM	/	/	/	17.922	17M9W7D
	256QAM	/	/	/	17.908	17M9W7D
	CP-QPSK	/	/	/	19.021	19M0G7D
30	PI/2 BPSK	23.88	24.77	0.300	28.714	28M7G7D
	QPSK	23.92	24.81	0.303	28.753	28M8G7D
	16QAM	23.32	24.21	0.264	28.758	28M8W7D
	64QAM	21.43	22.32	0.171	28.705	28M7W7D
	256QAM	19.54	20.43	0.110	28.713	28M7W7D
	CP-QPSK	/	/	/	28.734	28M7G7D

B5_n66						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	/	/
	QPSK	23.35	24.24	0.265	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
10	PI/2 BPSK	/	/	/	/	/
	QPSK	23.42	24.31	0.270	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
15	PI/2 BPSK	/	/	/	/	/
	QPSK	23.29	24.18	0.262	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
20	PI/2 BPSK	/	/	/	/	/
	QPSK	23.27	24.16	0.261	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
30	PI/2 BPSK	23.39	24.28	0.268	/	/
	QPSK	23.56	24.45	0.279	/	/
	16QAM	23.48	24.37	0.274	/	/
	64QAM	22.00	22.89	0.195	/	/
	256QAM	19.92	20.81	0.121	/	/
	CP-QPSK	/	/	/	/	/

B13_n66						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	/	/
	QPSK	23.44	24.33	0.271	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
10	PI/2 BPSK	/	/	/	/	/
	QPSK	23.44	24.33	0.271	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
15	PI/2 BPSK	/	/	/	/	/
	QPSK	23.32	24.21	0.264	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
20	PI/2 BPSK	/	/	/	/	/
	QPSK	23.25	24.14	0.259	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
30	PI/2 BPSK	23.45	24.34	0.272	/	/
	QPSK	23.58	24.47	0.280	/	/
	16QAM	23.56	24.45	0.279	/	/
	64QAM	22.02	22.91	0.195	/	/
	256QAM	19.99	20.88	0.122	/	/
	CP-QPSK	/	/	/	/	/

B2_n77(3450-3550MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	17.844	17M8G7D
	QPSK	27.07	27.40	0.550	17.839	17M8G7D
	16QAM	/	/	/	17.824	17M8W7D
	64QAM	/	/	/	17.822	17M8W7D
	256QAM	/	/	/	17.839	17M8W7D
	CP-QPSK	/	/	/	17.860	17M9G7D
30	PI/2 BPSK	/	/	/	26.828	26M8G7D
	QPSK	27.08	27.41	0.551	26.824	26M8G7D
	16QAM	/	/	/	26.820	26M8W7D
	64QAM	/	/	/	26.789	26M8W7D
	256QAM	/	/	/	26.813	26M8W7D
	CP-QPSK	/	/	/	26.767	26M8G7D
40	PI/2 BPSK	/	/	/	35.745	35M8G7D
	QPSK	27.09	27.42	0.552	35.750	35M8G7D
	16QAM	/	/	/	35.711	35M7W7D
	64QAM	/	/	/	35.746	35M8W7D
	256QAM	/	/	/	35.703	35M7W7D
	CP-QPSK	/	/	/	35.721	35M7G7D
60	PI/2 BPSK	/	/	/	57.839	57M8G7D
	QPSK	27.09	27.42	0.552	57.861	57M9G7D
	16QAM	/	/	/	57.843	57M8W7D
	64QAM	/	/	/	57.822	57M8W7D
	256QAM	/	/	/	57.890	57M9W7D
	CP-QPSK	/	/	/	57.886	57M9G7D
80	PI/2 BPSK	/	/	/	77.044	77M0G7D
	QPSK	27.00	27.33	0.541	77.096	77M1G7D
	16QAM	/	/	/	77.129	77M1W7D
	64QAM	/	/	/	77.159	77M2W7D
	256QAM	/	/	/	77.154	77M2W7D
	CP-QPSK	/	/	/	77.116	77M1G7D
100	PI/2 BPSK	27.05	27.38	0.547	96.317	96M3G7D
	QPSK	27.10	27.43	0.553	96.293	96M3G7D
	16QAM	27.06	27.39	0.548	96.424	96M4W7D

	64QAM	24.65	24.98	0.315	96.097	96M1W7D
	256QAM	22.38	22.71	0.187	96.225	96M2W7D
	CP-QPSK	/	/	/	96.351	96M4G7D

B5_n77(3450-3550MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	/	/
	QPSK	26.37	26.70	0.468	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	26.47	26.80	0.479	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	26.42	26.75	0.473	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	26.12	26.45	0.442	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	26.29	26.62	0.459	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/

	CP-QPSK	/	/	/	/	/
100	PI/2 BPSK	26.56	26.89	0.489	/	/
	QPSK	26.63	26.96	0.497	/	/
	16QAM	24.69	25.02	0.318	/	/
	64QAM	23.59	23.92	0.247	/	/
	256QAM	21.57	21.90	0.155	/	/
	CP-QPSK	/	/	/	/	/

B13_n77(3450-3550MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	/	/
	QPSK	26.21	26.54	0.451	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	26.35	26.68	0.466	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	26.25	26.58	0.455	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	25.98	26.31	0.428	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/

	QPSK	26.17	26.50	0.447	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
100	PI/2 BPSK	26.46	26.79	0.478	/	/
	QPSK	26.51	26.84	0.483	/	/
	16QAM	25.60	25.93	0.392	/	/
	64QAM	24.29	24.62	0.290	/	/
	256QAM	21.46	21.79	0.151	/	/
	CP-QPSK	/	/	/	/	/

B66_n77(3450-3550MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	/	/
	QPSK	27.00	27.33	0.541	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	27.01	27.34	0.542	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	26.97	27.30	0.537	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	27.02	27.35	0.543	/	/
	16QAM	/	/	/	/	/

	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	26.98	27.31	0.538	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
100	PI/2 BPSK	27.01	27.34	0.542	/	/
	QPSK	27.03	27.36	0.545	/	/
	16QAM	26.12	26.45	0.442	/	/
	64QAM	24.64	24.97	0.314	/	/
	256QAM	22.56	22.89	0.195	/	/
	CP-QPSK	/	/	/	/	/

B2_n77(3700-3980MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	17.800	17M8G7D
	QPSK	27.59	27.92	0.619	17.847	17M9G7D
	16QAM	/	/	/	17.826	17M8W7D
	64QAM	/	/	/	17.822	17M8W7D
	256QAM	/	/	/	17.824	17M8W7D
	CP-QPSK	/	/	/	17.849	17M9G7D
30	PI/2 BPSK	/	/	/	26.799	26M8G7D
	QPSK	27.29	27.62	0.578	26.790	26M8G7D
	16QAM	/	/	/	26.805	26M8W7D
	64QAM	/	/	/	26.813	26M8W7D
	256QAM	/	/	/	26.840	26M8W7D
	CP-QPSK	/	/	/	26.779	26M8G7D
40	PI/2 BPSK	/	/	/	35.751	35M8G7D
	QPSK	27.40	27.73	0.593	35.834	35M8G7D
	16QAM	/	/	/	35.771	35M8W7D
	64QAM	/	/	/	35.736	35M7W7D
	256QAM	/	/	/	35.714	35M7W7D

	CP-QPSK	/	/	/	35.711	35M7G7D
60	PI/2 BPSK	/	/	/	57.785	57M8G7D
	QPSK	27.47	27.80	0.603	57.818	57M8G7D
	16QAM	/	/	/	57.837	57M8W7D
	64QAM	/	/	/	57.828	57M8W7D
	256QAM	/	/	/	57.842	57M8W7D
	CP-QPSK	/	/	/	57.888	57M9G7D
80	PI/2 BPSK	/	/	/	77.057	77M1G7D
	QPSK	27.36	27.69	0.587	77.059	77M1G7D
	16QAM	/	/	/	77.090	77M1W7D
	64QAM	/	/	/	77.139	77M1W7D
	256QAM	/	/	/	77.121	77M1W7D
	CP-QPSK	/	/	/	77.169	77M2G7D
100	PI/2 BPSK	27.69	28.02	0.634	96.308	96M3G7D
	QPSK	27.70	28.03	0.635	96.219	96M2G7D
	16QAM	26.61	26.94	0.494	96.299	96M3W7D
	64QAM	25.02	25.35	0.343	96.260	96M3W7D
	256QAM	22.70	23.03	0.201	96.137	96M1W7D
	CP-QPSK	/	/	/	96.179	96M2G7D

B5_n77(3700-3980MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	/	/
	QPSK	26.31	26.64	0.461	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	26.38	26.71	0.469	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/

	QPSK	26.07	26.40	0.437	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	26.15	26.48	0.445	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	26.07	26.40	0.437	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
100	PI/2 BPSK	26.48	26.81	0.480	/	/
	QPSK	26.53	26.86	0.485	/	/
	16QAM	25.15	25.48	0.353	/	/
	64QAM	23.63	23.96	0.249	/	/
	256QAM	21.50	21.83	0.152	/	/
	CP-QPSK	/	/	/	/	/

B13_n77(3700-3980MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	/	/
	QPSK	26.21	26.54	0.451	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	26.03	26.36	0.433	/	/
	16QAM	/	/	/	/	/

	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	26.37	26.70	0.468	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	26.11	26.44	0.441	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	25.93	26.26	0.423	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
100	PI/2 BPSK	26.25	26.58	0.455	/	/
	QPSK	26.39	26.72	0.470	/	/
	16QAM	25.32	25.65	0.367	/	/
	64QAM	23.59	23.92	0.247	/	/
	256QAM	21.58	21.91	0.155	/	/
	CP-QPSK	/	/	/	/	/

B66_n77(3700-3980MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	/	/
	QPSK	25.59	25.92	0.391	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/

	CP-QPSK	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	25.62	25.95	0.394	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	25.79	26.12	0.409	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	25.39	25.72	0.373	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	25.64	25.97	0.395	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
100	PI/2 BPSK	27.31	27.64	0.581	/	/
	QPSK	27.33	27.66	0.583	/	/
	16QAM	26.45	26.78	0.476	/	/
	64QAM	23.45	23.78	0.239	/	/
	256QAM	20.56	20.89	0.123	/	/
	CP-QPSK	/	/	/	/	/

n78(3700-3800MHz)(PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	/	/

	QPSK	25.60	25.57	0.361	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	25.53	25.50	0.355	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	25.45	25.42	0.348	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
50	PI/2 BPSK	/	/	/	/	/
	QPSK	25.29	25.26	0.336	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	25.34	25.31	0.340	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
70	PI/2 BPSK	/	/	/	/	/
	QPSK	25.21	25.18	0.330	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	25.21	25.18	0.330	/	/

	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
90	PI/2 BPSK	/	/	/	/	/
	QPSK	25.09	25.06	0.321	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
100	PI/2 BPSK	25.62	25.59	0.362	/	/
	QPSK	25.13	25.10	0.324	/	/
	16QAM	24.37	24.34	0.272	/	/
	64QAM	22.88	22.85	0.193	/	/
	256QAM	20.44	20.41	0.110	/	/
	CP-QPSK	/	/	/	/	/

n78(3450-3550MHz)(PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	/	/
	QPSK	25.68	25.65	0.367	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	25.63	25.60	0.363	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	25.63	25.60	0.363	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/

	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
50	PI/2 BPSK	/	/	/	/	/
	QPSK	25.44	25.41	0.348	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	25.37	25.34	0.342	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
70	PI/2 BPSK	/	/	/	/	/
	QPSK	25.37	25.34	0.342	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	25.19	25.16	0.328	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
90	PI/2 BPSK	/	/	/	/	/
	QPSK	24.93	24.90	0.309	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
100	PI/2 BPSK	25.35	25.32	0.340	/	/
	QPSK	25.78	25.75	0.376	/	/
	16QAM	23.82	23.79	0.239	/	/
	64QAM	22.47	22.44	0.175	/	/
	256QAM	20.21	20.18	0.104	/	/

	CP-QPSK	/	/	/	/	/

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”.

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

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”.

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	Li Huaijie	PASS	Nodeviation
Occupied Bandwidth	Li Huaijie	PASS	Nodeviation
Frequency Stability	Li Huaijie	PASS	Nodeviation
Peak to Average Radio	Li Huaijie	PASS	Nodeviation
Conducted Spurious Emissions	Li Huaijie	PASS	Nodeviation
Band Edge	Li Huaijie	PASS	Nodeviation
Radiated Spurious Emissions	Gao Jianrou	PASS	Nodeviation

Note 1: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.
Note 2: Additions to, deviation, or exclusions from the method shall be judged in the “method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.
Note 3: The declared of product specification for EUT presented in the report are provided by manufacturer and the test laboratory is not responsible for the accuracy of the information.
Note 4: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

1.5. Environmental Conditions

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

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

2. Summary Test Results And Description

2.1. Transmitter Conducted Output Power

2.1.1. Requirement

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

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

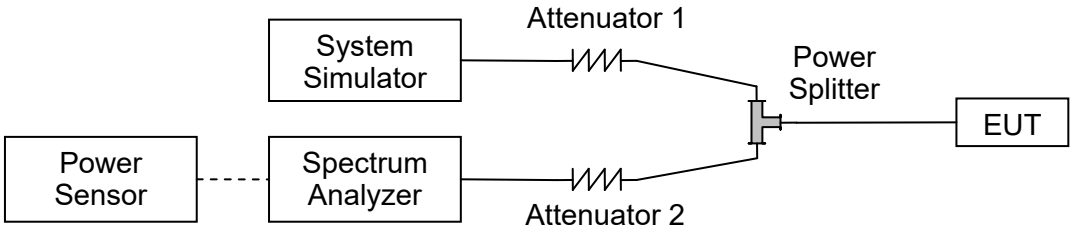
According to FCC section 27.50 (d)(4) for n66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

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

According to FCC section 27.50(k)(3) for n77, 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

B5_n2 (PC3)						
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	23.25	23.18	23.01
20		1	53	23.28	23.18	23.05
20		1	104	23.24	23.14	23.04
20		50	1	23.27	23.27	23.07
20		50	25	23.34	23.25	23.06
20		50	50	23.36	23.12	22.98
20		100	0	23.31	23.26	23.06
20	DFT-s-OFDM QPSK	1	1	23.49	23.57	23.54
20		1	53	23.39	23.47	23.41
20		1	104	23.27	23.24	23.18
20		50	1	23.31	23.41	23.32
20		50	25	23.36	23.26	23.21
20		50	50	23.25	23.14	23.09
20		100	0	23.32	23.24	23.13
20	DFT-s-OFDM 16QAM	1	1	23.52	23.50	23.34
20	DFT-s-OFDM 64QAM	1	1	22.00	21.92	21.76
20	DFT-s-OFDM 256QAM	1	1	19.85	19.79	19.57
20	CP-OFDM QPSK	1	1	22.98	22.86	22.70
20	CP-OFDM 16QAM	1	1	22.30	22.21	22.02
20	CP-OFDM 64QAM	1	1	20.96	20.81	20.63
20	CP-OFDM 256QAM	1	1	17.92	17.81	17.64
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	23.33	23.23	23.05
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	23.49	23.24	23.07
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	23.46	23.28	23.18

B13_n2 (PC3)						
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	23.30	23.22	23.05
20		1	53	23.29	23.23	22.97
20		1	104	23.28	23.09	22.96
20		50	1	23.33	23.25	23.04
20		50	25	23.39	23.26	23.12
20		50	50	23.33	23.16	23.05
20		100	0	23.37	23.21	23.06
20	DFT-s-OFDM QPSK	1	1	23.40	23.55	23.29
20		1	53	23.20	23.33	23.21
20		1	104	23.19	23.19	23.15
20		50	1	23.31	23.40	23.25
20		50	25	23.39	23.20	23.15
20		50	50	23.32	23.20	23.09
20		100	0	23.37	23.21	23.12
20	DFT-s-OFDM 16QAM	1	1	23.46	23.51	23.38
20	DFT-s-OFDM 64QAM	1	1	21.98	21.96	21.67
20	DFT-s-OFDM 256QAM	1	1	19.87	19.86	19.55
20	CP-OFDM QPSK	1	1	22.90	22.87	22.61
20	CP-OFDM 16QAM	1	1	22.30	22.39	21.99
20	CP-OFDM 64QAM	1	1	20.90	20.85	20.56
20	CP-OFDM 256QAM	1	1	17.86	17.85	17.57
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	23.40	23.21	23.00
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	23.41	23.31	23.12
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	23.38	23.24	23.10

B66_n2 (PC3)						
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	1	1	23.42	23.40	23.32

20	BPSK	1	53	23.43	23.36	23.38
20		1	104	23.47	23.43	23.43
20		50	1	23.10	23.06	23.00
20		50	25	23.51	23.41	23.42
20		50	50	23.13	23.02	23.03
20		100	0	23.15	23.07	23.05
20	DFT-s-OFDM QPSK	1	1	23.48	23.56	23.46
20		1	53	23.48	23.42	23.41
20		1	104	23.46	23.39	23.44
20		50	1	23.40	23.40	23.35
20		50	25	23.35	23.30	23.36
20		50	50	22.52	22.51	22.56
20		100	0	22.63	22.55	22.54
20	DFT-s-OFDM 16QAM	1	1	22.86	22.66	22.77
20	DFT-s-OFDM 64QAM	1	1	21.26	21.22	21.13
20	DFT-s-OFDM 256QAM	1	1	19.21	19.10	19.04
20	CP-OFDM QPSK	1	1	22.06	22.14	22.05
20	CP-OFDM 16QAM	1	1	21.62	21.60	21.52
20	CP-OFDM 64QAM	1	1	20.12	20.10	20.02
20	CP-OFDM 256QAM	1	1	17.25	17.11	17.10
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	23.48	23.45	23.44
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	23.47	23.54	23.53
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	23.54	23.51	23.52

B2_n5 (PC3)						
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	23.41	23.36	23.29
20		1	53	23.32	23.41	23.45
20		1	104	23.31	23.22	23.29
20		50	1	23.36	23.41	23.35
20		50	25	23.40	23.39	23.50
20		50	50	23.41	23.37	23.39
20		100	0	23.39	23.37	23.47

20	DFT-s-OFDM QPSK	1	1	23.54	23.63	23.53
20		1	53	23.39	23.47	23.46
20		1	104	23.35	23.33	23.19
20		50	1	23.33	23.49	23.35
20		50	25	23.36	23.40	23.48
20		50	50	23.40	23.37	23.34
20		100	0	23.38	23.34	23.47
20	DFT-s-OFDM 16QAM	1	1	23.61	23.55	23.58
20	DFT-s-OFDM 64QAM	1	1	22.03	22.09	22.08
20	DFT-s-OFDM 256QAM	1	1	19.87	19.92	19.88
20	CP-OFDM QPSK	1	1	22.92	22.98	22.96
20	CP-OFDM 16QAM	1	1	22.26	22.28	22.28
20	CP-OFDM 64QAM	1	1	21.07	20.99	20.93
20	CP-OFDM 256QAM	1	1	17.92	17.96	17.88
Channel				166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5
15	DFT-s-OFDM QPSK	1	1	23.43	23.40	23.47
Channel				165800	167300	168800
Frequency (MHz)				829	836.5	844
10	DFT-s-OFDM QPSK	1	1	23.38	23.43	23.48
Channel				165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5
5	DFT-s-OFDM QPSK	1	1	23.54	23.41	23.42

B66_n5 (PC3)						
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	23.53	23.58	23.51
20		1	53	23.57	23.58	23.66
20		1	104	23.62	23.53	23.52
20		50	1	23.67	23.66	23.67
20		50	25	23.71	23.66	23.67
20		50	50	23.64	23.72	23.64
20		100	0	23.72	23.68	23.64
20	DFT-s-OFDM QPSK	1	1	23.60	23.82	23.55
20		1	53	23.61	23.60	23.71
20		1	104	23.54	23.57	23.56
20		50	1	23.54	23.61	23.55
20		50	25	23.57	23.54	23.61
20		50	50	23.61	23.59	23.61

20		100	0	23.59	23.55	23.54
20	DFT-s-OFDM 16QAM	1	1	23.81	23.78	23.75
20	DFT-s-OFDM 64QAM	1	1	22.25	22.32	22.28
20	DFT-s-OFDM 256QAM	1	1	20.22	20.25	20.16
20	CP-OFDM QPSK	1	1	23.15	23.20	23.20
20	CP-OFDM 16QAM	1	1	22.51	22.53	22.47
20	CP-OFDM 64QAM	1	1	21.19	21.22	21.16
20	CP-OFDM 256QAM	1	1	18.22	18.28	18.18
Channel				166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5
15	DFT-s-OFDM QPSK	1	1	23.58	23.57	23.56
Channel				165800	167300	168800
Frequency (MHz)				829	836.5	844
10	DFT-s-OFDM QPSK	1	1	23.42	23.35	23.43
Channel				165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5
5	DFT-s-OFDM QPSK	1	1	23.49	23.44	23.41

B2_n66 (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				345000	349000	353000
Frequency (MHz)				1725	1745	1765
30	DFT-s-OFDM PI/2 BPSK	1	1	23.87	23.82	23.71
30		1	80	23.88	23.80	23.52
30		1	158	23.77	23.54	23.52
30		80	1	23.67	23.56	23.17
30		80	40	23.83	23.76	23.57
30		80	80	23.53	23.33	23.32
30		160	0	23.55	23.56	23.20
30	DFT-s-OFDM QPSK	1	1	23.87	23.92	23.70
30		1	80	23.85	23.72	23.51
30		1	158	23.47	23.50	23.44
30		80	1	23.80	23.83	23.68
30		80	40	23.82	23.78	23.57
30		80	80	22.59	22.81	22.67
30		160	0	23.15	22.91	22.78
30	DFT-s-OFDM 16QAM	1	1	23.32	23.22	23.06
30	DFT-s-OFDM 64QAM	1	1	20.89	21.43	21.33
30	DFT-s-OFDM 256QAM	1	1	19.54	19.37	19.38
30	CP-OFDM QPSK	1	1	22.57	22.36	22.24
30	CP-OFDM 16QAM	1	1	22.12	21.81	21.72
30	CP-OFDM 64QAM	1	1	20.59	20.40	20.35
30	CP-OFDM 256QAM	1	1	17.62	17.41	17.35
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM QPSK	1	1	23.89	23.88	23.56
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	23.83	23.86	23.63
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	23.70	23.87	23.76
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	23.86	23.84	23.69

B5_n66 (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				345000	349000	353000
Frequency (MHz)				1725	1745	1765
30	DFT-s-OFDM PI/2 BPSK	1	1	23.21	23.24	23.12
30		1	80	23.26	23.18	23.15
30		1	158	23.28	23.03	23.21
30		80	1	23.39	23.27	23.12
30		80	40	23.33	23.15	23.22
30		80	80	23.31	23.22	23.30
30		160	0	23.37	23.25	23.31
30	DFT-s-OFDM QPSK	1	1	23.31	23.56	23.40
30		1	80	23.34	23.37	23.23
30		1	158	23.33	23.30	23.22
30		80	1	23.28	23.39	23.18
30		80	40	23.34	23.21	23.23
30		80	80	23.37	23.25	23.30
30		160	0	23.37	23.25	23.26
30	DFT-s-OFDM 16QAM	1	1	23.46	23.48	23.45
30	DFT-s-OFDM 64QAM	1	1	21.97	22.00	21.92
30	DFT-s-OFDM 256QAM	1	1	19.92	19.88	19.76
30	CP-OFDM QPSK	1	1	22.85	22.91	22.77
30	CP-OFDM 16QAM	1	1	22.24	22.27	22.21
30	CP-OFDM 64QAM	1	1	20.89	20.90	20.80
30	CP-OFDM 256QAM	1	1	17.82	17.85	17.75
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM QPSK	1	1	23.27	23.08	22.91
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	23.23	23.29	23.24
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	23.42	23.31	23.26
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	23.35	23.33	23.22

B13_n66 (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				345000	349000	353000
Frequency (MHz)				1725	1745	1765
30	DFT-s-OFDM PI/2 BPSK	1	1	23.26	23.29	23.21
30		1	80	23.32	23.25	23.19
30		1	158	23.30	23.11	23.16
30		80	1	23.33	23.27	23.24
30		80	40	23.37	23.20	23.25
30		80	80	23.38	23.30	23.31
30		160	0	23.45	23.24	23.34
30	DFT-s-OFDM QPSK	1	1	23.35	23.58	23.40
30		1	80	23.40	23.38	23.23
30		1	158	23.26	23.34	23.26
30		80	1	23.36	23.51	23.43
30		80	40	23.41	23.30	23.29
30		80	80	23.42	23.26	23.33
30		160	0	23.48	23.27	23.27
30	DFT-s-OFDM 16QAM	1	1	23.53	23.56	23.49
30	DFT-s-OFDM 64QAM	1	1	22.02	22.02	21.93
30	DFT-s-OFDM 256QAM	1	1	19.99	19.97	19.85
30	CP-OFDM QPSK	1	1	22.93	22.95	22.83
30	CP-OFDM 16QAM	1	1	22.26	22.23	22.19
30	CP-OFDM 64QAM	1	1	20.96	20.93	20.85
30	CP-OFDM 256QAM	1	1	17.90	17.92	17.83
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM QPSK	1	1	23.08	23.25	23.21
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	23.32	23.22	23.19
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	23.44	23.34	23.35
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	23.44	23.29	23.32

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	/	27.05	/
100		1	136	/	26.86	/
100		1	271	/	26.60	/
100		135	1	/	22.12	/
100		135	67	/	26.90	/
100		135	136	/	26.09	/
100		270	0	/	26.48	/
100	DFT-s-OFDM QPSK	1	1	/	27.10	/
100		1	136	/	26.89	/
100		1	271	/	26.56	/
100		135	1	/	26.92	/
100		135	67	/	26.90	/
100		135	136	/	25.59	/
100		270	0	/	26.01	/
100	DFT-s-OFDM 16QAM	1	1	/	27.06	/
100	DFT-s-OFDM 64QAM	1	1	/	24.65	/
100	DFT-s-OFDM 256QAM	1	1	/	22.38	/
100	CP-OFDM QPSK	1	1	/	25.55	/
100	CP-OFDM 16QAM	1	1	/	24.80	/
100	CP-OFDM 64QAM	1	1	/	23.58	/
100	CP-OFDM 256QAM	1	1	/	20.47	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.95	27.00	26.95
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	27.04	27.05	27.09
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	27.07	27.00	27.09
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	27.05	27.08	26.84
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	27.02	27.07	26.66

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	/	26.56	/
100		1	136	/	26.17	/
100		1	271	/	26.04	/
100		135	1	/	25.92	/
100		135	67	/	26.28	/
100		135	136	/	25.47	/
100		270	0	/	25.84	/
100	DFT-s-OFDM QPSK	1	1	/	26.63	/
100		1	136	/	26.19	/
100		1	271	/	25.95	/
100		135	1	/	26.50	/
100		135	67	/	26.15	/
100		135	136	/	25.10	/
100		270	0	/	25.09	/
100	DFT-s-OFDM 16QAM	1	1	/	24.69	/
100	DFT-s-OFDM 64QAM	1	1	/	23.59	/
100	DFT-s-OFDM 256QAM	1	1	/	21.57	/
100	CP-OFDM QPSK	1	1	/	24.05	/
100	CP-OFDM 16QAM	1	1	/	23.63	/
100	CP-OFDM 64QAM	1	1	/	23.15	/
100	CP-OFDM 256QAM	1	1	/	19.92	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.29	26.24	26.20
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.05	25.98	26.12
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.42	26.15	26.17
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.47	26.32	26.21
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.37	26.24	26.04

B13_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	/	26.46	/
100		1	136	/	26.23	/
100		1	271	/	26.03	/
100		135	1	/	25.83	/
100		135	67	/	26.29	/
100		135	136	/	25.41	/
100		270	0	/	25.88	/
100	DFT-s-OFDM QPSK	1	1	/	26.51	/
100		1	136	/	26.10	/
100		1	271	/	25.87	/
100		135	1	/	26.35	/
100		135	67	/	26.07	/
100		135	136	/	24.86	/
100		270	0	/	24.99	/
100	DFT-s-OFDM 16QAM	1	1	/	25.60	/
100	DFT-s-OFDM 64QAM	1	1	/	24.29	/
100	DFT-s-OFDM 256QAM	1	1	/	21.46	/
100	CP-OFDM QPSK	1	1	/	23.98	/
100	CP-OFDM 16QAM	1	1	/	23.57	/
100	CP-OFDM 64QAM	1	1	/	23.08	/
100	CP-OFDM 256QAM	1	1	/	19.84	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.17	26.12	26.09
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	25.91	25.85	25.98
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.25	26.00	26.04
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.35	26.15	26.04
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.21	26.05	25.85

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	/	27.01	/
100		1	136	/	26.87	/
100		1	271	/	21.72	/
100		135	1	/	26.50	/
100		135	67	/	26.90	/
100		135	136	/	26.07	/
100		270	0	/	21.95	/
100	DFT-s-OFDM QPSK	1	1	/	27.03	/
100		1	136	/	26.82	/
100		1	271	/	21.58	/
100		135	1	/	26.54	/
100		135	67	/	23.50	/
100		135	136	/	25.57	/
100		270	0	/	25.98	/
100	DFT-s-OFDM 16QAM	1	1	/	26.12	/
100	DFT-s-OFDM 64QAM	1	1	/	24.64	/
100	DFT-s-OFDM 256QAM	1	1	/	22.56	/
100	CP-OFDM QPSK	1	1	/	25.58	/
100	CP-OFDM 16QAM	1	1	/	24.99	/
100	CP-OFDM 64QAM	1	1	/	23.63	/
100	CP-OFDM 256QAM	1	1	/	20.38	/
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.98	26.95	26.92
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.99	27.01	27.02
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.95	26.97	26.78
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.97	27.01	26.83
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	27.00	26.99	26.64

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	27.24	26.11	25.74
100		1	136	27.69	26.16	25.13
100		1	271	21.57	21.38	25.72
100		135	1	27.29	26.63	26.89
100		135	67	27.60	26.30	26.12
100		135	136	27.30	26.38	25.94
100		270	0	27.20	26.74	26.80
100	DFT-s-OFDM QPSK	1	1	27.49	27.70	27.40
100		1	136	27.67	26.99	26.82
100		1	271	27.45	26.70	26.67
100		135	1	25.34	25.07	25.36
100		135	67	27.60	26.28	26.14
100		135	136	21.63	21.52	21.40
100		270	0	26.69	26.21	26.27
100	DFT-s-OFDM 16QAM	1	1	26.37	26.08	26.61
100	DFT-s-OFDM 64QAM	1	1	25.02	24.52	24.15
100	DFT-s-OFDM 256QAM	1	1	22.70	22.58	22.22
100	CP-OFDM QPSK	1	1	25.76	25.43	25.05
100	CP-OFDM 16QAM	1	1	23.36	22.98	22.58
100	CP-OFDM 64QAM	1	1	23.96	24.55	24.16
100	CP-OFDM 256QAM	1	1	20.68	19.60	19.22
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	27.36	25.74	25.03
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	27.47	25.44	24.29
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	27.40	25.59	23.05
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	27.29	25.56	23.20
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	27.59	25.68	23.00

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	26.48	26.08	26.26
100		1	136	25.94	25.12	25.16
100		1	271	25.80	25.98	25.11
100		135	1	25.91	25.58	25.66
100		135	67	25.89	25.32	25.94
100		135	136	25.25	25.46	25.58
100		270	0	25.59	25.76	25.51
100	DFT-s-OFDM QPSK	1	1	26.44	26.53	26.23
100		1	136	25.90	26.10	25.01
100		1	271	25.59	25.69	25.03
100		135	1	25.93	26.25	25.81
100		135	67	25.96	25.30	24.96
100		135	136	24.81	24.51	24.05
100		270	0	25.11	24.94	24.97
100	DFT-s-OFDM 16QAM	1	1	25.15	24.95	24.17
100	DFT-s-OFDM 64QAM	1	1	23.63	22.47	22.69
100	DFT-s-OFDM 256QAM	1	1	21.50	20.56	20.73
100	CP-OFDM QPSK	1	1	24.59	23.39	23.58
100	CP-OFDM 16QAM	1	1	24.11	23.94	23.17
100	CP-OFDM 64QAM	1	1	22.71	22.52	22.69
100	CP-OFDM 256QAM	1	1	19.57	19.55	19.75
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	26.07	25.57	25.64
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	26.15	25.23	25.97
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	26.07	25.40	25.80
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	26.38	25.41	25.95
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.31	25.54	25.66

B13_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	26.02	26.00	26.19
100		1	136	25.91	26.12	25.93
100		1	271	25.68	25.92	26.03
100		135	1	25.95	25.46	25.60
100		135	67	25.99	26.25	25.91
100		135	136	25.30	25.38	25.52
100		270	0	25.60	25.70	25.43
100	DFT-s-OFDM QPSK	1	1	26.33	26.39	26.07
100		1	136	25.97	25.03	24.84
100		1	271	25.62	24.84	24.99
100		135	1	26.01	26.09	25.69
100		135	67	25.97	25.19	24.90
100		135	136	24.81	25.08	25.01
100		270	0	25.08	24.96	24.72
100	DFT-s-OFDM 16QAM	1	1	25.11	25.32	25.19
100	DFT-s-OFDM 64QAM	1	1	23.59	23.43	22.66
100	DFT-s-OFDM 256QAM	1	1	21.58	21.49	20.70
100	CP-OFDM QPSK	1	1	24.63	24.32	23.53
100	CP-OFDM 16QAM	1	1	24.13	23.87	23.13
100	CP-OFDM 64QAM	1	1	22.67	22.38	22.54
100	CP-OFDM 256QAM	1	1	19.58	19.48	19.70
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	25.93	25.48	24.55
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	26.11	25.74	25.90
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	26.37	25.29	25.70
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	26.03	25.31	25.85
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	26.21	25.41	25.57

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	27.14	26.05	25.69
100		1	136	27.23	26.10	25.09
100		1	271	25.98	25.37	25.67
100		135	1	27.12	26.56	25.08
100		135	67	27.02	26.53	25.10
100		135	136	27.31	26.34	26.89
100		270	0	27.21	26.69	26.75
100	DFT-s-OFDM QPSK	1	1	27.19	27.33	27.26
100		1	136	27.12	26.03	26.00
100		1	271	27.22	26.65	26.64
100		135	1	26.85	26.89	26.72
100		135	67	27.11	25.23	25.10
100		135	136	26.70	25.81	25.35
100		270	0	26.71	25.17	25.23
100	DFT-s-OFDM 16QAM	1	1	26.36	26.45	25.84
100	DFT-s-OFDM 64QAM	1	1	23.23	23.45	23.14
100	DFT-s-OFDM 256QAM	1	1	19.88	20.56	20.18
100	CP-OFDM QPSK	1	1	23.77	23.50	23.32
100	CP-OFDM 16QAM	1	1	23.28	23.43	22.56
100	CP-OFDM 64QAM	1	1	20.05	22.48	22.13
100	CP-OFDM 256QAM	1	1	20.71	19.54	19.18
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	25.37	25.64	24.93
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	25.39	25.33	24.20
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	25.79	25.47	24.92
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	25.62	25.42	25.07
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	25.58	25.59	25.31

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	27.14	26.05	25.69
100		1	136	27.23	26.10	25.09
100		1	271	25.98	25.37	25.67
100		135	1	27.12	26.56	25.08
100		135	67	27.02	26.53	25.10
100		135	136	27.31	26.34	26.89
100		270	0	27.21	26.69	26.75
100	DFT-s-OFDM QPSK	1	1	27.19	27.33	27.26
100		1	136	27.12	26.03	26.00
100		1	271	27.22	26.65	26.64
100		135	1	26.85	26.89	26.72
100		135	67	27.11	25.23	25.10
100		135	136	26.70	25.81	25.35
100		270	0	26.71	25.17	25.23
100	DFT-s-OFDM 16QAM	1	1	26.36	26.45	25.84
100	DFT-s-OFDM 64QAM	1	1	23.23	23.45	23.14
100	DFT-s-OFDM 256QAM	1	1	19.88	20.56	20.18
100	CP-OFDM QPSK	1	1	23.77	23.50	23.32
100	CP-OFDM 16QAM	1	1	23.28	23.43	22.56
100	CP-OFDM 64QAM	1	1	20.05	22.48	22.13
100	CP-OFDM 256QAM	1	1	20.71	19.54	19.18
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	25.37	25.64	24.93
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	25.39	25.33	24.20
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	25.79	25.47	24.92
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	25.62	25.42	25.07
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	25.58	25.59	25.31

B4_n78(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	/	25.62	/
100		1	136	/	24.72	/
100		1	271	/	24.89	/
100		135	1	/	24.47	/
100		135	67	/	24.81	/
100		135	136	/	24.09	/
100		270	0	/	24.45	/
100	DFT-s-OFDM QPSK	1	1	/	25.13	/
100		1	136	/	24.76	/
100		1	271	/	24.84	/
100		135	1	/	24.02	/
100		135	67	/	24.77	/
100		135	136	/	23.61	/
100		270	0	/	23.96	/
100	DFT-s-OFDM 16QAM	1	1	/	24.37	/
100	DFT-s-OFDM 64QAM	1	1	/	22.88	/
100	DFT-s-OFDM 256QAM	1	1	/	20.44	/
100	CP-OFDM QPSK	1	1	/	23.77	/
100	CP-OFDM 16QAM	1	1	/	23.20	/
100	CP-OFDM 64QAM	1	1	/	21.77	/
100	CP-OFDM 256QAM	1	1	/	18.64	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	25.09	25.07	25.02
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	25.21	25.08	25.02
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	25.21	25.08	24.83
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	25.34	24.99	24.90
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	25.29	24.87	24.85
Channel				631334	633334	635332

Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	25.45	25.22	25.36
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	25.53	25.14	25.10
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	25.60	25.15	25.21

B4_n78(3450-3550MHz) (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	650000	/
Frequency (MHz)				/	3750	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	24.70	/
100		1	136	/	25.32	/
100		1	271	/	25.35	/
100		135	1	/	24.91	/
100		135	67	/	25.24	/
100		135	136	/	24.72	/
100		270	0	/	24.75	/
100	DFT-s-OFDM QPSK	1	1	/	24.71	/
100		1	136	/	25.26	/
100		1	271	/	25.78	/
100		135	1	/	24.36	/
100		135	67	/	25.22	/
100		135	136	/	24.22	/
100		270	0	/	24.27	/
100	DFT-s-OFDM 16QAM	1	1	/	23.82	/
100	DFT-s-OFDM 64QAM	1	1	/	22.47	/
100	DFT-s-OFDM 256QAM	1	1	/	20.21	/
100	CP-OFDM QPSK	1	1	/	23.31	/
100	CP-OFDM 16QAM	1	1	/	22.88	/
100	CP-OFDM 64QAM	1	1	/	21.31	/
100	CP-OFDM 256QAM	1	1	/	18.24	/
Channel				649668	650000	650332
Frequency (MHz)				3745.02	3750	3754.98
90	DFT-s-OFDM QPSK	1	1	24.72	24.78	24.93
Channel				649334	650000	650666
Frequency (MHz)				3740.01	3750	3759.99
80	DFT-s-OFDM QPSK	1	1	24.70	24.90	25.19
Channel				649000	650000	651000

Frequency (MHz)				3735	3750	3765
70	DFT-s-OFDM QPSK	1	1	24.76	25.09	25.37
Channel				649000	650000	651000
Frequency (MHz)				3735	3750	3765
60	DFT-s-OFDM QPSK	1	1	24.77	25.25	25.37
Channel				648334	650000	651666
Frequency (MHz)				3725.01	3750	3774.99
50	DFT-s-OFDM QPSK	1	1	24.90	25.44	25.43
Channel				648000	650000	652000
Frequency (MHz)				3720	3750	3780
40	DFT-s-OFDM QPSK	1	1	25.25	25.48	25.63
Channel				647668	650000	652332
Frequency (MHz)				3715.02	3750	3784.98
30	DFT-s-OFDM QPSK	1	1	25.13	25.63	25.54
Channel				647334	650000	652666
Frequency (MHz)				3710.01	3750	3789.99
20	DFT-s-OFDM QPSK	1	1	25.13	25.68	25.52

Effective Radiated Power and Effective Isotropic Radiated Power:

B5_n2 (PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				372000	372000	376000	376000	380000	380000
Frequency (MHz)				1860.00	1860.00	1880.00	1880.00	1900.00	1900.00
20	DFT-s-OFDM PI/2 BPSK	1	1	24.60	0.288	24.53	0.284	24.36	0.273
20		1	53	24.63	0.290	24.53	0.284	24.40	0.275
20		1	104	24.59	0.288	24.49	0.281	24.39	0.275
20		50	1	24.62	0.290	24.62	0.290	24.42	0.277
20		50	25	24.69	0.294	24.60	0.288	24.41	0.276
20		50	50	24.71	0.296	24.47	0.280	24.33	0.271
20		100	0	24.66	0.292	24.61	0.289	24.41	0.276
20	DFT-s-OFDM QPSK	1	1	24.84	0.305	24.92	0.310	24.89	0.308
20		1	53	24.74	0.298	24.82	0.303	24.76	0.299
20		1	104	24.62	0.290	24.59	0.288	24.53	0.284
20		50	1	24.66	0.292	24.76	0.299	24.67	0.293
20		50	25	24.71	0.296	24.61	0.289	24.56	0.286
20		50	50	24.60	0.288	24.49	0.281	24.44	0.278
20		100	0	24.67	0.293	24.59	0.288	24.48	0.281
20	DFT-s-OFDM 16QAM	1	1	24.87	0.307	24.85	0.305	24.69	0.294

20	DFT-s-OFDM 64QAM	1	1	23.35	0.216	23.27	0.212	23.11	0.205
20	DFT-s-OFDM 256QAM	1	1	21.20	0.132	21.14	0.130	20.92	0.124
20	CP-OFDM QPSK	1	1	24.33	0.271	24.21	0.264	24.05	0.254
20	CP-OFDM 16QAM	1	1	23.65	0.232	23.56	0.227	23.37	0.217
20	CP-OFDM 64QAM	1	1	22.31	0.170	22.16	0.164	21.98	0.158
20	CP-OFDM 256QAM	1	1	19.27	0.085	19.16	0.082	18.99	0.079
Channel				371500	371500	376000	376000	380500	380500
Frequency (MHz)				1857.50	1857.50	1880.00	1880.00	1902.50	1902.50
15	DFT-s-OFDM QPSK	1	1	24.68	0.294	24.58	0.287	24.40	0.275
Channel				371000	371000	376000	376000	381000	381000
Frequency (MHz)				1855.00	1855.00	1880.00	1880.00	1905.00	1905.00
10	DFT-s-OFDM QPSK	1	1	24.84	0.305	24.59	0.288	24.42	0.277
Channel				370500	370500	376000	376000	381500	381500
Frequency (MHz)				1852.50	1852.50	1880.00	1880.00	1907.50	1907.50
5	DFT-s-OFDM QPSK	1	1	24.81	0.303	24.63	0.290	24.53	0.284

B13_n2 (PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				372000	372000	376000	376000	380000	380000
Frequency (MHz)				1860.00	1860.00	1880.00	1880.00	1900.00	1900.00
20	DFT-s-OFDM PI/2 BPSK	1	1	24.65	0.292	24.57	0.286	24.40	0.275
20		1	53	24.64	0.291	24.58	0.287	24.32	0.270
20		1	104	24.63	0.290	24.44	0.278	24.31	0.270
20		50	1	24.68	0.294	24.60	0.288	24.39	0.275
20		50	25	24.74	0.298	24.61	0.289	24.47	0.280
20		50	50	24.68	0.294	24.51	0.282	24.40	0.275
20		100	0	24.72	0.296	24.56	0.286	24.41	0.276
20	DFT-s-OFDM QPSK	1	1	24.75	0.299	24.90	0.309	24.64	0.291
20		1	53	24.55	0.285	24.68	0.294	24.56	0.286
20		1	104	24.54	0.284	24.54	0.284	24.50	0.282
20		50	1	24.66	0.292	24.75	0.299	24.60	0.288
20		50	25	24.74	0.298	24.55	0.285	24.50	0.282
20		50	50	24.67	0.293	24.55	0.285	24.44	0.278

20		100	0	24.72	0.296	24.56	0.286	24.47	0.280
20	DFT-s-OFDM 16QAM	1	1	24.81	0.303	24.86	0.306	24.73	0.297
20	DFT-s-OFDM 64QAM	1	1	23.33	0.215	23.31	0.214	23.02	0.200
20	DFT-s-OFDM 256QAM	1	1	21.22	0.132	21.21	0.132	20.90	0.123
20	CP-OFDM QPSK	1	1	24.25	0.266	24.22	0.264	23.96	0.249
20	CP-OFDM 16QAM	1	1	23.65	0.232	23.74	0.237	23.34	0.216
20	CP-OFDM 64QAM	1	1	22.25	0.168	22.20	0.166	21.91	0.155
20	CP-OFDM 256QAM	1	1	19.21	0.083	19.20	0.083	18.92	0.078
Channel				371500	371500	376000	376000	380500	380500
Frequency (MHz)				1857.50	1857.50	1880.00	1880.00	1902.50	1902.50
15	DFT-s-OFDM QPSK	1	1	24.75	0.299	24.56	0.286	24.35	0.272
Channel				371000	371000	376000	376000	381000	381000
Frequency (MHz)				1855.00	1855.00	1880.00	1880.00	1905.00	1905.00
10	DFT-s-OFDM QPSK	1	1	24.76	0.299	24.66	0.292	24.47	0.280
Channel				370500	370500	376000	376000	381500	381500
Frequency (MHz)				1852.50	1852.50	1880.00	1880.00	1907.50	1907.50
5	DFT-s-OFDM QPSK	1	1	24.73	0.297	24.59	0.288	24.45	0.279

B66_n2 (PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				372000	372000	376000	376000	380000	380000
Frequency (MHz)				1860.00	1860.00	1880.00	1880.00	1900.00	1900.00
20	DFT-s-OFDM PI/2 BPSK	1	1	24.77	0.300	24.75	0.299	24.67	0.293
20		1	53	24.78	0.301	24.71	0.296	24.73	0.297
20		1	104	24.82	0.303	24.78	0.301	24.78	0.301
20		50	1	24.45	0.279	24.41	0.276	24.35	0.272
20		50	25	24.86	0.306	24.76	0.299	24.77	0.300
20		50	50	24.48	0.281	24.37	0.274	24.38	0.274
20		100	0	24.50	0.282	24.42	0.277	24.40	0.275
20	DFT-s-OFDM QPSK	1	1	24.83	0.304	24.91	0.310	24.81	0.303
20		1	53	24.83	0.304	24.77	0.300	24.76	0.299

20		1	104	24.81	0.303	24.74	0.298	24.79	0.301
20		50	1	24.75	0.299	24.75	0.299	24.70	0.295
20		50	25	24.70	0.295	24.65	0.292	24.71	0.296
20		50	50	23.87	0.244	23.86	0.243	23.91	0.246
20		100	0	23.98	0.250	23.90	0.245	23.89	0.245
20	DFT-s-OFDM 16QAM	1	1	24.21	0.264	24.01	0.252	24.12	0.258
20	DFT-s-OFDM 64QAM	1	1	22.61	0.182	22.57	0.181	22.48	0.177
20	DFT-s-OFDM 256QAM	1	1	20.56	0.114	20.45	0.111	20.39	0.109
20	CP-OFDM QPSK	1	1	23.41	0.219	23.49	0.223	23.40	0.219
20	CP-OFDM 16QAM	1	1	22.97	0.198	22.95	0.197	22.87	0.194
20	CP-OFDM 64QAM	1	1	21.47	0.140	21.45	0.140	21.37	0.137
20	CP-OFDM 256QAM	1	1	18.60	0.072	18.46	0.070	18.45	0.070
Channel				371500	371500	376000	376000	380500	380500
Frequency (MHz)				1857.50	1857.50	1880.00	1880.00	1902.50	1902.50
15	DFT-s-OFDM QPSK	1	1	24.83	0.304	24.80	0.302	24.79	0.301
Channel				371000	371000	376000	376000	381000	381000
Frequency (MHz)				1855.00	1855.00	1880.00	1880.00	1905.00	1905.00
10	DFT-s-OFDM QPSK	1	1	24.82	0.303	24.89	0.308	24.88	0.308
Channel				370500	370500	376000	376000	381500	381500
Frequency (MHz)				1852.50	1852.50	1880.00	1880.00	1907.50	1907.50
5	DFT-s-OFDM QPSK	1	1	24.89	0.308	24.86	0.306	24.87	0.307

B2_n5 (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				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	18.41	0.069	18.36	0.069	18.29	0.067
20		1	53	18.32	0.068	18.41	0.069	18.45	0.070
20		1	104	18.31	0.068	18.22	0.066	18.29	0.067
20		50	1	18.36	0.069	18.41	0.069	18.35	0.068
20		50	25	18.40	0.069	18.39	0.069	18.50	0.071
20		50	50	18.41	0.069	18.37	0.069	18.39	0.069

20		100	0	18.39	0.069	18.37	0.069	18.47	0.070
20	DFT-s-OFDM QPSK	1	1	18.54	0.071	18.63	0.073	18.53	0.071
20		1	53	18.39	0.069	18.47	0.070	18.46	0.070
20		1	104	18.35	0.068	18.33	0.068	18.19	0.066
20		50	1	18.33	0.068	18.49	0.071	18.35	0.068
20		50	25	18.36	0.069	18.40	0.069	18.48	0.070
20		50	50	18.40	0.069	18.37	0.069	18.34	0.068
20		100	0	18.38	0.069	18.34	0.068	18.47	0.070
20	DFT-s-OFDM 16QAM	1	1	18.61	0.073	18.55	0.072	18.58	0.072
20	DFT-s-OFDM 64QAM	1	1	17.03	0.050	17.09	0.051	17.08	0.051
20	DFT-s-OFDM 256QAM	1	1	14.87	0.031	14.92	0.031	14.88	0.031
20	CP-OFDM QPSK	1	1	17.92	0.062	17.98	0.063	17.96	0.063
20	CP-OFDM 16QAM	1	1	17.26	0.053	17.28	0.053	17.28	0.053
20	CP-OFDM 64QAM	1	1	16.07	0.040	15.99	0.040	15.93	0.039
20	CP-OFDM 256QAM	1	1	12.92	0.020	12.96	0.020	12.88	0.019
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	18.43	0.070	18.40	0.069	18.47	0.070
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	18.38	0.069	18.43	0.070	18.48	0.070
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	18.54	0.071	18.41	0.069	18.42	0.070

B66_n5 (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				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	18.53	0.071	18.58	0.072	18.51	0.071
20		1	53	18.57	0.072	18.58	0.072	18.66	0.073

20		1	104	18.62	0.073	18.53	0.071	18.52	0.071
20		50	1	18.67	0.074	18.66	0.073	18.67	0.074
20		50	25	18.71	0.074	18.66	0.073	18.67	0.074
20		50	50	18.64	0.073	18.72	0.074	18.64	0.073
20		100	0	18.72	0.074	18.68	0.074	18.64	0.073
20	DFT-s-OFDM QPSK	1	1	18.60	0.072	18.82	0.076	18.55	0.072
20		1	53	18.61	0.073	18.60	0.072	18.71	0.074
20		1	104	18.54	0.071	18.57	0.072	18.56	0.072
20		50	1	18.54	0.071	18.61	0.073	18.55	0.072
20		50	25	18.57	0.072	18.54	0.071	18.61	0.073
20		50	50	18.61	0.073	18.59	0.072	18.61	0.073
20		100	0	18.59	0.072	18.55	0.072	18.54	0.071
20	DFT-s-OFDM 16QAM	1	1	18.81	0.076	18.78	0.076	18.75	0.075
20	DFT-s-OFDM 64QAM	1	1	17.25	0.053	17.32	0.054	17.28	0.053
20	DFT-s-OFDM 256QAM	1	1	15.22	0.033	15.25	0.033	15.16	0.033
20	CP-OFDM QPSK	1	1	18.15	0.065	18.20	0.066	18.20	0.066
20	CP-OFDM 16QAM	1	1	17.51	0.056	17.53	0.057	17.47	0.056
20	CP-OFDM 64QAM	1	1	16.19	0.042	16.22	0.042	16.16	0.041
20	CP-OFDM 256QAM	1	1	13.22	0.021	13.28	0.021	13.18	0.021
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	18.58	0.072	18.57	0.072	18.56	0.072
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	18.42	0.070	18.35	0.068	18.43	0.070
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	18.49	0.071	18.44	0.070	18.41	0.069

B2_n66 (PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt

Channel				345000	345000	349000	349000	353000	353000
Frequency (MHz)				1725.00	1725.00	1745.00	1745.00	1765.00	1765.00
30	DFT-s-OFDM PI/2 BPSK	1	1	24.76	0.299	24.71	0.296	24.60	0.288
30		1	80	24.77	0.300	24.69	0.294	24.41	0.276
30		1	158	24.66	0.292	24.43	0.277	24.41	0.276
30		80	1	24.56	0.286	24.45	0.279	24.06	0.255
30		80	40	24.72	0.296	24.65	0.292	24.46	0.279
30		80	80	24.42	0.277	24.22	0.264	24.21	0.264
30		160	0	24.44	0.278	24.45	0.279	24.09	0.256
30	DFT-s-OFDM QPSK	1	1	24.76	0.299	24.81	0.303	24.59	0.288
30		1	80	24.74	0.298	24.61	0.289	24.40	0.275
30		1	158	24.36	0.273	24.39	0.275	24.33	0.271
30		80	1	24.69	0.294	24.72	0.296	24.57	0.286
30		80	40	24.71	0.296	24.67	0.293	24.46	0.279
30		80	80	23.48	0.223	23.70	0.234	23.56	0.227
30		160	0	24.04	0.254	23.80	0.240	23.67	0.233
30	DFT-s-OFDM 16QAM	1	1	24.21	0.264	24.11	0.258	23.95	0.248
30	DFT-s-OFDM 64QAM	1	1	21.78	0.151	22.32	0.171	22.22	0.167
30	DFT-s-OFDM 256QAM	1	1	20.43	0.110	20.26	0.106	20.27	0.106
30	CP-OFDM QPSK	1	1	23.46	0.222	23.25	0.211	23.13	0.206
30	CP-OFDM 16QAM	1	1	23.01	0.200	22.70	0.186	22.61	0.182
30	CP-OFDM 64QAM	1	1	21.48	0.141	21.29	0.135	21.24	0.133
30	CP-OFDM 256QAM	1	1	18.51	0.071	18.30	0.068	18.24	0.067
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	24.78	0.301	24.77	0.300	24.45	0.279
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	24.72	0.296	24.75	0.299	24.52	0.283
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	24.59	0.288	24.76	0.299	24.65	0.292
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	24.75	0.299	24.73	0.297	24.58	0.287

B5_n66 (PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				345000	345000	349000	349000	353000	353000
Frequency (MHz)				1725.00	1725.00	1745.00	1745.00	1765.00	1765.00
30	DFT-s-OFDM PI/2 BPSK	1	1	24.10	0.257	24.13	0.259	24.01	0.252
30		1	80	24.15	0.260	24.07	0.255	24.04	0.254
30		1	158	24.17	0.261	23.92	0.247	24.10	0.257
30		80	1	24.28	0.268	24.16	0.261	24.01	0.252
30		80	40	24.22	0.264	24.04	0.254	24.11	0.258
30		80	80	24.20	0.263	24.11	0.258	24.19	0.262
30		160	0	24.26	0.267	24.14	0.259	24.20	0.263
30	DFT-s-OFDM QPSK	1	1	24.20	0.263	24.45	0.279	24.29	0.269
30		1	80	24.23	0.265	24.26	0.267	24.12	0.258
30		1	158	24.22	0.264	24.19	0.262	24.11	0.258
30		80	1	24.17	0.261	24.28	0.268	24.07	0.255
30		80	40	24.23	0.265	24.10	0.257	24.12	0.258
30		80	80	24.26	0.267	24.14	0.259	24.19	0.262
30		160	0	24.26	0.267	24.14	0.259	24.15	0.260
30	DFT-s-OFDM 16QAM	1	1	24.35	0.272	24.37	0.274	24.34	0.272
30	DFT-s-OFDM 64QAM	1	1	22.86	0.193	22.89	0.195	22.81	0.191
30	DFT-s-OFDM 256QAM	1	1	20.81	0.121	20.77	0.119	20.65	0.116
30	CP-OFDM QPSK	1	1	23.74	0.237	23.80	0.240	23.66	0.232
30	CP-OFDM 16QAM	1	1	23.13	0.206	23.16	0.207	23.10	0.204
30	CP-OFDM 64QAM	1	1	21.78	0.151	21.79	0.151	21.69	0.148
30	CP-OFDM 256QAM	1	1	18.71	0.074	18.74	0.075	18.64	0.073
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	24.16	0.261	23.97	0.249	23.80	0.240
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	24.12	0.258	24.18	0.262	24.13	0.259
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	24.31	0.270	24.20	0.263	24.15	0.260
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	24.24	0.265	24.22	0.264	24.11	0.258

B13_n66 (PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				345000	345000	349000	349000	353000	353000
Frequency (MHz)				1725.00	1725.00	1745.00	1745.00	1765.00	1765.00
30	DFT-s-OFDM PI/2 BPSK	1	1	24.15	0.260	24.18	0.262	24.10	0.257
30		1	80	24.21	0.264	24.14	0.259	24.08	0.256
30		1	158	24.19	0.262	24.00	0.251	24.05	0.254
30		80	1	24.22	0.264	24.16	0.261	24.13	0.259
30		80	40	24.26	0.267	24.09	0.256	24.14	0.259
30		80	80	24.27	0.267	24.19	0.262	24.20	0.263
30		160	0	24.34	0.272	24.13	0.259	24.23	0.265
30	DFT-s-OFDM QPSK	1	1	24.24	0.265	24.47	0.280	24.29	0.269
30		1	80	24.29	0.269	24.27	0.267	24.12	0.258
30		1	158	24.15	0.260	24.23	0.265	24.15	0.260
30		80	1	24.25	0.266	24.40	0.275	24.32	0.270
30		80	40	24.30	0.269	24.19	0.262	24.18	0.262
30		80	80	24.31	0.270	24.15	0.260	24.22	0.264
30		160	0	24.37	0.274	24.16	0.261	24.16	0.261
30	DFT-s-OFDM 16QAM	1	1	24.42	0.277	24.45	0.279	24.38	0.274
30	DFT-s-OFDM 64QAM	1	1	22.91	0.195	22.91	0.195	22.82	0.191
30	DFT-s-OFDM 256QAM	1	1	20.88	0.122	20.86	0.122	20.74	0.119
30	CP-OFDM QPSK	1	1	23.82	0.241	23.84	0.242	23.72	0.236
30	CP-OFDM 16QAM	1	1	23.15	0.207	23.12	0.205	23.08	0.203
30	CP-OFDM 64QAM	1	1	21.85	0.153	21.82	0.152	21.74	0.149

30	CP-OFDM 256QAM	1	1	18.79	0.076	18.81	0.076	18.72	0.074
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	23.97	0.249	24.14	0.259	24.10	0.257
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	24.21	0.264	24.11	0.258	24.08	0.256
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	24.33	0.271	24.23	0.265	24.24	0.265
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	24.33	0.271	24.18	0.262	24.21	0.264

B2_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	/	/	27.38	0.547	/	/
100		1	136	/	/	27.19	0.524	/	/
100		1	271	/	/	26.93	0.493	/	/
100		135	1	/	/	22.45	0.176	/	/
100		135	67	/	/	27.23	0.528	/	/
100		135	136	/	/	26.42	0.439	/	/
100		270	0	/	/	26.81	0.480	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	27.43	0.553	/	/
100		1	136	/	/	27.22	0.527	/	/
100		1	271	/	/	26.89	0.489	/	/
100		135	1	/	/	27.25	0.531	/	/
100		135	67	/	/	27.23	0.528	/	/
100		135	136	/	/	25.92	0.391	/	/

100		270	0	/	/	26.34	0.431	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	27.39	0.548	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	24.98	0.315	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	22.71	0.187	/	/
100	CP-OFDM QPSK	1	1	/	/	25.88	0.387	/	/
100	CP-OFDM 16QAM	1	1	/	/	25.13	0.326	/	/
100	CP-OFDM 64QAM	1	1	/	/	23.91	0.246	/	/
100	CP-OFDM 256QAM	1	1	/	/	20.80	0.120	/	/
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	27.28	0.535	27.33	0.541	27.28	0.535
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	27.37	0.546	27.38	0.547	27.42	0.552
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	27.40	0.550	27.33	0.541	27.42	0.552
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	27.38	0.547	27.41	0.551	27.17	0.521
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	27.35	0.543	27.40	0.550	26.99	0.500

B5_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	/	/	26.89	0.489	/	/
100		1	136	/	/	26.50	0.447	/	/
100		1	271	/	/	26.37	0.434	/	/

100		135	1	/	/	26.25	0.422	/	/
100		135	67	/	/	26.61	0.458	/	/
100		135	136	/	/	25.80	0.380	/	/
100		270	0	/	/	26.17	0.414	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	26.96	0.497	/	/
100		1	136	/	/	26.52	0.449	/	/
100		1	271	/	/	26.28	0.425	/	/
100		135	1	/	/	26.83	0.482	/	/
100		135	67	/	/	26.48	0.445	/	/
100		135	136	/	/	25.43	0.349	/	/
100		270	0	/	/	25.42	0.348	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	25.02	0.318	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	23.92	0.247	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	21.90	0.155	/	/
100	CP-OFDM QPSK	1	1	/	/	24.38	0.274	/	/
100	CP-OFDM 16QAM	1	1	/	/	23.96	0.249	/	/
100	CP-OFDM 64QAM	1	1	/	/	23.48	0.223	/	/
100	CP-OFDM 256QAM	1	1	/	/	20.25	0.106	/	/
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	26.62	0.459	26.57	0.454	26.53	0.450
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	26.38	0.435	26.31	0.428	26.45	0.442
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	26.75	0.473	26.48	0.445	26.50	0.447
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	1	1	26.80	0.479	26.65	0.462	26.54	0.451

	QPSK								
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	26.70	0.468	26.57	0.454	26.37	0.434

B13_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	/	/	26.79	0.478	/	/
100		1	136	/	/	26.56	0.453	/	/
100		1	271	/	/	26.36	0.433	/	/
100		135	1	/	/	26.16	0.413	/	/
100		135	67	/	/	26.62	0.459	/	/
100		135	136	/	/	25.74	0.375	/	/
100		270	0	/	/	26.21	0.418	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	26.84	0.483	/	/
100		1	136	/	/	26.43	0.440	/	/
100		1	271	/	/	26.20	0.417	/	/
100		135	1	/	/	26.68	0.466	/	/
100		135	67	/	/	26.40	0.437	/	/
100		135	136	/	/	25.19	0.330	/	/
100		270	0	/	/	25.32	0.340	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	25.93	0.392	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	24.62	0.290	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	21.79	0.151	/	/
100	CP-OFDM QPSK	1	1	/	/	24.31	0.270	/	/
100	CP-OFDM 16QAM	1	1	/	/	23.90	0.245	/	/
100	CP-OFDM 64QAM	1	1	/	/	23.41	0.219	/	/

100	CP-OFDM 256QAM	1	1	/	/	20.17	0.104	/	/
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	26.50	0.447	26.45	0.442	26.42	0.439
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	26.24	0.421	26.18	0.415	26.31	0.428
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	26.58	0.455	26.33	0.430	26.37	0.434
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	26.68	0.466	26.48	0.445	26.37	0.434
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	26.54	0.451	26.38	0.435	26.18	0.415

B66_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	/	/	27.34	0.542	/	/
100		1	136	/	/	27.20	0.525	/	/
100		1	271	/	/	22.05	0.160	/	/
100		135	1	/	/	26.83	0.482	/	/
100		135	67	/	/	27.23	0.528	/	/
100		135	136	/	/	26.40	0.437	/	/
100		270	0	/	/	22.28	0.169	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	27.36	0.545	/	/
100		1	136	/	/	27.15	0.519	/	/
100		1	271	/	/	21.91	0.155	/	/
100		135	1	/	/	26.87	0.486	/	/

100		135	67	/	/	23.83	0.242	/	/
100		135	136	/	/	25.90	0.389	/	/
100		270	0	/	/	26.31	0.428	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	26.45	0.442	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	24.97	0.314	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	22.89	0.195	/	/
100	CP-OFDM QPSK	1	1	/	/	25.91	0.390	/	/
100	CP-OFDM 16QAM	1	1	/	/	25.32	0.340	/	/
100	CP-OFDM 64QAM	1	1	/	/	23.96	0.249	/	/
100	CP-OFDM 256QAM	1	1	/	/	20.71	0.118	/	/
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	27.28	0.535	27.25	0.531
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	27.32	0.540	27.34	0.542	27.35	0.543
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	27.28	0.535	27.30	0.537	27.11	0.514
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	27.30	0.537	27.34	0.542	27.16	0.520
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	27.33	0.541	27.32	0.540	26.97	0.498

B2_n77(3700-3980MHz) (PC2)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				650000	650000	656000	656000	662000	662000

Frequency (MHz)				3750.00	3750.00	3840.00	3840.00	3930.00	3930.00
100	DFT-s-OFDM PI/2 BPSK	1	1	27.57	0.571	26.44	0.441	26.07	0.405
100		1	136	28.02	0.634	26.49	0.446	25.46	0.352
100		1	271	21.90	0.155	21.71	0.148	26.05	0.403
100		135	1	27.62	0.578	26.96	0.497	27.22	0.527
100		135	67	27.93	0.621	26.63	0.460	26.45	0.442
100		135	136	27.63	0.579	26.71	0.469	26.27	0.424
100		270	0	27.53	0.566	27.07	0.509	27.13	0.516
100	DFT-s-OFDM QPSK	1	1	27.82	0.605	28.03	0.635	27.73	0.593
100		1	136	28.00	0.631	27.32	0.540	27.15	0.519
100		1	271	27.78	0.600	27.03	0.505	27.00	0.501
100		135	1	25.67	0.369	25.40	0.347	25.69	0.371
100		135	67	27.93	0.621	26.61	0.458	26.47	0.444
100		135	136	21.96	0.157	21.85	0.153	21.73	0.149
100		270	0	27.02	0.504	26.54	0.451	26.60	0.457
100	DFT-s-OFDM 16QAM	1	1	26.70	0.468	26.41	0.438	26.94	0.494
100	DFT-s-OFDM 64QAM	1	1	25.35	0.343	24.85	0.305	24.48	0.281
100	DFT-s-OFDM 256QAM	1	1	23.03	0.201	22.91	0.195	22.55	0.180
100	CP-OFDM QPSK	1	1	26.09	0.406	25.76	0.377	25.38	0.345
100	CP-OFDM 16QAM	1	1	23.69	0.234	23.31	0.214	22.91	0.195
100	CP-OFDM 64QAM	1	1	24.29	0.269	24.88	0.308	24.49	0.281
100	CP-OFDM 256QAM	1	1	21.01	0.126	19.93	0.098	19.55	0.090
Channel				649334	649334	656000	656000	662666	662666
Frequency (MHz)				3740.01	3740.01	3840.00	3840.00	3939.99	3939.99
80	DFT-s-OFDM QPSK	1	1	27.69	0.587	26.07	0.405	25.36	0.344
Channel				648668	648668	656000	656000	663332	663332
Frequency (MHz)				3730.02	3730.02	3840.00	3840.00	3949.98	3949.98
60	DFT-s-OFDM QPSK	1	1	27.80	0.603	25.77	0.378	24.62	0.290
Channel				648000	648000	656000	656000	664000	664000
Frequency (MHz)				3720.00	3720.00	3840.00	3840.00	3960.00	3960.00
40	DFT-s-OFDM	1	1	27.73	0.593	25.92	0.391	23.38	0.218

	QPSK								
Channel				647668	647668	656000	656000	664332	664332
Frequency (MHz)				3715.02	3715.02	3840.00	3840.00	3964.98	3964.98
30	DFT-s-OFDM QPSK	1	1	27.62	0.578	25.89	0.388	23.53	0.225
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	27.92	0.619	26.01	0.399	23.33	0.215

B5_n77(3700-3980MHz) (PC2)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				650000	650000	656000	656000	662000	662000
Frequency (MHz)				3750.00	3750.00	3840.00	3840.00	3930.00	3930.00
100	DFT-s-OFDM PI/2 BPSK	1	1	26.81	0.480	26.41	0.438	26.59	0.456
100		1	136	26.27	0.424	25.45	0.351	25.49	0.354
100		1	271	26.13	0.410	26.31	0.428	25.44	0.350
100		135	1	26.24	0.421	25.91	0.390	25.99	0.397
100		135	67	26.22	0.419	25.65	0.367	26.27	0.424
100		135	136	25.58	0.361	25.79	0.379	25.91	0.390
100		270	0	25.92	0.391	26.09	0.406	25.84	0.384
100	DFT-s-OFDM QPSK	1	1	26.77	0.475	26.86	0.485	26.56	0.453
100		1	136	26.23	0.420	26.43	0.440	25.34	0.342
100		1	271	25.92	0.391	26.02	0.400	25.36	0.344
100		135	1	26.26	0.423	26.58	0.455	26.14	0.411
100		135	67	26.29	0.426	25.63	0.366	25.29	0.338
100		135	136	25.14	0.327	24.84	0.305	24.38	0.274
100		270	0	25.44	0.350	25.27	0.337	25.30	0.339
100	DFT-s-OFDM 16QAM	1	1	25.48	0.353	25.28	0.337	24.50	0.282
100	DFT-s-OFDM 64QAM	1	1	23.96	0.249	22.80	0.191	23.02	0.200
100	DFT-s-OFDM 256QAM	1	1	21.83	0.152	20.89	0.123	21.06	0.128
100	CP-OFDM QPSK	1	1	24.92	0.310	23.72	0.236	23.91	0.246

100	CP-OFDM 16QAM	1	1	24.44	0.278	24.27	0.267	23.50	0.224
100	CP-OFDM 64QAM	1	1	23.04	0.201	22.85	0.193	23.02	0.200
100	CP-OFDM 256QAM	1	1	19.90	0.098	19.88	0.097	20.08	0.102
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	26.40	0.437	25.90	0.389	25.97	0.395
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	26.48	0.445	25.56	0.360	26.30	0.427
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	26.40	0.437	25.73	0.374	26.13	0.410
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	26.71	0.469	25.74	0.375	26.28	0.425
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	26.64	0.461	25.87	0.386	25.99	0.397

B13_n77(3700-3980MHz) (PC2)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				650000	650000	656000	656000	662000	662000
Frequency (MHz)				3750.00	3750.00	3840.00	3840.00	3930.00	3930.00
100	DFT-s-OFDM PI/2 BPSK	1	1	26.35	0.432	26.33	0.430	26.52	0.449
100		1	136	26.24	0.421	26.45	0.442	26.26	0.423
100		1	271	26.01	0.399	26.25	0.422	26.36	0.433
100		135	1	26.28	0.425	25.79	0.379	25.93	0.392
100		135	67	26.32	0.429	26.58	0.455	26.24	0.421
100		135	136	25.63	0.366	25.71	0.372	25.85	0.385
100		270	0	25.93	0.392	26.03	0.401	25.76	0.377
100	DFT-s-OFDM	1	1	26.66	0.463	26.72	0.470	26.40	0.437

100	QPSK	1	136	26.30	0.427	25.36	0.344	25.17	0.329
100		1	271	25.95	0.394	25.17	0.329	25.32	0.340
100		135	1	26.34	0.431	26.42	0.439	26.02	0.400
100		135	67	26.30	0.427	25.52	0.356	25.23	0.333
100		135	136	25.14	0.327	25.41	0.348	25.34	0.342
100		270	0	25.41	0.348	25.29	0.338	25.05	0.320
100	DFT-s-OFDM 16QAM	1	1	25.44	0.350	25.65	0.367	25.52	0.356
100	DFT-s-OFDM 64QAM	1	1	23.92	0.247	23.76	0.238	22.99	0.199
100	DFT-s-OFDM 256QAM	1	1	21.91	0.155	21.82	0.152	21.03	0.127
100	CP-OFDM QPSK	1	1	24.96	0.313	24.65	0.292	23.86	0.243
100	CP-OFDM 16QAM	1	1	24.46	0.279	24.20	0.263	23.46	0.222
100	CP-OFDM 64QAM	1	1	23.00	0.200	22.71	0.187	22.87	0.194
100	CP-OFDM 256QAM	1	1	19.91	0.098	19.81	0.096	20.03	0.101
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	26.26	0.423	25.81	0.381	24.88	0.308
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	26.44	0.441	26.07	0.405	26.23	0.420
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	26.70	0.468	25.62	0.365	26.03	0.401
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	26.36	0.433	25.64	0.366	26.18	0.415
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	26.54	0.451	25.74	0.375	25.90	0.389

B66_n77(3700-3980MHz) (PC2)									
BW	Modulation	R	RB	Low	Low	Middle	Middle	High	High

[MHz]		BSize	Offset	Channel /dBm	Channel /Watt	Channel /dBm	Channel /Watt	Channel /dBm	Channel /Watt
Channel				650000	650000	656000	656000	662000	662000
Frequency (MHz)				3750.00	3750.00	3840.00	3840.00	3930.00	3930.00
100	DFT-s-OFDM PI/2 BPSK	1	1	27.47	0.558	26.38	0.435	26.02	0.400
100		1	136	27.56	0.570	26.43	0.440	25.42	0.348
100		1	271	26.31	0.428	25.70	0.372	26.00	0.398
100		135	1	27.45	0.556	26.89	0.489	25.41	0.348
100		135	67	27.35	0.543	26.86	0.485	25.43	0.349
100		135	136	27.64	0.581	26.67	0.465	27.22	0.527
100		270	0	27.54	0.568	27.02	0.504	27.08	0.511
100	DFT-s-OFDM QPSK	1	1	27.52	0.565	27.66	0.583	27.59	0.574
100		1	136	27.45	0.556	26.36	0.433	26.33	0.430
100		1	271	27.55	0.569	26.98	0.499	26.97	0.498
100		135	1	27.18	0.522	27.22	0.527	27.05	0.507
100		135	67	27.44	0.555	25.56	0.360	25.43	0.349
100		135	136	27.03	0.505	26.14	0.411	25.68	0.370
100		270	0	27.04	0.506	25.50	0.355	25.56	0.360
100	DFT-s-OFDM 16QAM	1	1	26.69	0.467	26.78	0.476	26.17	0.414
100	DFT-s-OFDM 64QAM	1	1	23.56	0.227	23.78	0.239	23.47	0.222
100	DFT-s-OFDM 256QAM	1	1	20.21	0.105	20.89	0.123	20.51	0.112
100	CP-OFDM QPSK	1	1	24.10	0.257	23.83	0.242	23.65	0.232
100	CP-OFDM 16QAM	1	1	23.61	0.230	23.76	0.238	22.89	0.195
100	CP-OFDM 64QAM	1	1	20.38	0.109	22.81	0.191	22.46	0.176
100	CP-OFDM 256QAM	1	1	21.04	0.127	19.87	0.097	19.51	0.089
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	25.70	0.372	25.97	0.395	25.26	0.336
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	1	1	25.72	0.373	25.66	0.368	24.53	0.284

	QPSK								
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	26.12	0.409	25.80	0.380	25.25	0.335
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	25.95	0.394	25.75	0.376	25.40	0.347
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	25.91	0.390	25.92	0.391	25.64	0.366

B4_n78(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	/	/	25.95	0.394	/	/
100		1	136	/	/	25.05	0.320	/	/
100		1	271	/	/	25.22	0.333	/	/
100		135	1	/	/	24.80	0.302	/	/
100		135	67	/	/	25.14	0.327	/	/
100		135	136	/	/	24.42	0.277	/	/
100		270	0	/	/	24.78	0.301	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	25.46	0.352	/	/
100		1	136	/	/	25.09	0.323	/	/
100		1	271	/	/	25.17	0.329	/	/
100		135	1	/	/	24.35	0.272	/	/
100		135	67	/	/	25.10	0.324	/	/
100		135	136	/	/	23.94	0.248	/	/
100		270	0	/	/	24.29	0.269	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	24.70	0.295	/	/

100	DFT-s-OFDM 64QAM	1	1	/	/	23.21	0.209	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	20.77	0.119	/	/
100	CP-OFDM QPSK	1	1	/	/	24.10	0.257	/	/
100	CP-OFDM 16QAM	1	1	/	/	23.53	0.225	/	/
100	CP-OFDM 64QAM	1	1	/	/	22.10	0.162	/	/
100	CP-OFDM 256QAM	1	1	/	/	18.97	0.079	/	/
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	25.42	0.348	25.40	0.347	25.35	0.343
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	25.54	0.358	25.41	0.348	25.35	0.343
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	25.54	0.358	25.41	0.348	25.16	0.328
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	25.67	0.369	25.32	0.340	25.23	0.333
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	25.62	0.365	25.20	0.331	25.18	0.330
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-	1	1	25.78	0.378	25.55	0.359	25.69	0.371

	OFDM QPSK								
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465.00	3465.00	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	25.86	0.385	25.47	0.352	25.43	0.349
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	25.93	0.392	25.48	0.353	25.54	0.358

B4_n78(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	/	/	25.03	0.318	/	/
100		1	136	/	/	25.65	0.367	/	/
100		1	271	/	/	25.68	0.370	/	/
100		135	1	/	/	25.24	0.334	/	/
100		135	67	/	/	25.57	0.361	/	/
100		135	136	/	/	25.05	0.320	/	/
100		270	0	/	/	25.08	0.322	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	25.04	0.319	/	/
100		1	136	/	/	25.59	0.362	/	/
100		1	271	/	/	26.11	0.408	/	/
100		135	1	/	/	24.69	0.294	/	/
100		135	67	/	/	25.55	0.359	/	/
100		135	136	/	/	24.55	0.285	/	/
100		270	0	/	/	24.60	0.288	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	24.15	0.260	/	/
100	DFT-s-OFDM	1	1	/	/	22.80	0.191	/	/

	64QAM								
100	DFT-s-OFDM 256QAM	1	1	/	/	20.54	0.113	/	/
100	CP-OFDM QPSK	1	1	/	/	23.64	0.231	/	/
100	CP-OFDM 16QAM	1	1	/	/	23.21	0.209	/	/
100	CP-OFDM 64QAM	1	1	/	/	21.64	0.146	/	/
100	CP-OFDM 256QAM	1	1	/	/	18.57	0.072	/	/
Channel				649668	649668	650000	650000	650332	650332
Frequency (MHz)				3745.02	3745.02	3750.00	3750.00	3754.98	3754.98
90	DFT-s-OFDM QPSK	1	1	25.05	0.320	25.11	0.324	25.26	0.336
Channel				649334	649334	650000	650000	650666	650666
Frequency (MHz)				3740.01	3740.01	3750.00	3750.00	3759.99	3759.99
80	DFT-s-OFDM QPSK	1	1	25.03	0.318	25.23	0.333	25.52	0.356
Channel				649000	649000	650000	650000	651000	651000
Frequency (MHz)				3735.00	3735.00	3750.00	3750.00	3765.00	3765.00
70	DFT-s-OFDM QPSK	1	1	25.09	0.323	25.42	0.348	25.70	0.372
Channel				649000	649000	650000	650000	651000	651000
Frequency (MHz)				3735.00	3735.00	3750.00	3750.00	3765.00	3765.00
60	DFT-s-OFDM QPSK	1	1	25.10	0.324	25.58	0.361	25.70	0.372
Channel				648334	648334	650000	650000	651666	651666
Frequency (MHz)				3725.01	3725.01	3750.00	3750.00	3774.99	3774.99
50	DFT-s-OFDM QPSK	1	1	25.23	0.333	25.77	0.378	25.76	0.377
Channel				648000	648000	650000	650000	652000	652000
Frequency (MHz)				3720.00	3720.00	3750.00	3750.00	3780.00	3780.00
40	DFT-s-OFDM QPSK	1	1	25.58	0.361	25.81	0.381	25.96	0.394

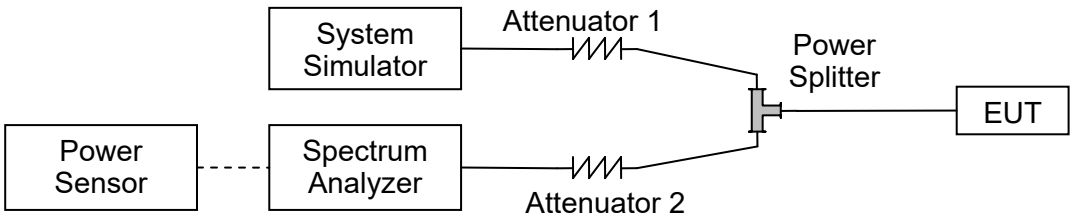
Channel				647668	647668	650000	650000	652332	652332
Frequency (MHz)				3715.02	3715.02	3750.00	3750.00	3784.98	3784.98
30	DFT-s-OFDM QPSK	1	1	25.46	0.352	25.96	0.394	25.87	0.386
Channel				647334	647334	650000	650000	652666	652666
Frequency (MHz)				3710.01	3710.01	3750.00	3750.00	3789.99	3789.99
20	DFT-s-OFDM QPSK	1	1	25.46	0.352	26.01	0.399	25.85	0.385

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.

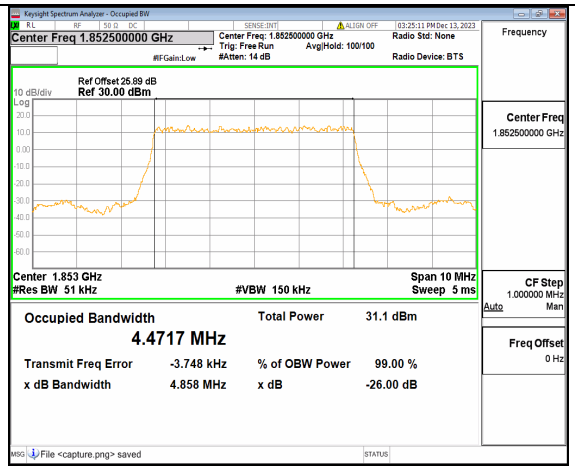
2.2.4.Test Result

Band	SCS (KHz)	BW (MHz)	ARFCN	Modulation	RB	OBW (MHz)	26dB BW (MHz)	Verdict
5A_n2	15	5	370500	DFT-s-OFDM PI/2 BPSK	25/0	4.472	4.858	PASS
5A_n2	15	5	370500	DFT-s-OFDM QPSK	25/0	4.466	4.826	PASS
5A_n2	15	5	370500	DFT-s-OFDM 16QAM	25/0	4.489	4.924	PASS
5A_n2	15	5	370500	DFT-s-OFDM 64QAM	25/0	4.493	4.891	PASS
5A_n2	15	5	370500	DFT-s-OFDM 256QAM	25/0	4.483	4.900	PASS
5A_n2	15	5	370500	CP-OFDM QPSK	25/0	4.472	4.930	PASS
5A_n2	15	5	376000	DFT-s-OFDM PI/2 BPSK	25/0	4.480	4.848	PASS
5A_n2	15	5	376000	DFT-s-OFDM QPSK	25/0	4.470	4.850	PASS
5A_n2	15	5	376000	DFT-s-OFDM 16QAM	25/0	4.475	4.917	PASS
5A_n2	15	5	376000	DFT-s-OFDM 64QAM	25/0	4.497	4.947	PASS
5A_n2	15	5	376000	DFT-s-OFDM 256QAM	25/0	4.484	4.814	PASS
5A_n2	15	5	376000	CP-OFDM QPSK	25/0	4.472	4.899	PASS
5A_n2	15	5	381500	DFT-s-OFDM PI/2 BPSK	25/0	4.483	4.908	PASS
5A_n2	15	5	381500	DFT-s-OFDM QPSK	25/0	4.476	4.916	PASS
5A_n2	15	5	381500	DFT-s-OFDM 16QAM	25/0	4.476	4.907	PASS
5A_n2	15	5	381500	DFT-s-OFDM 64QAM	25/0	4.478	4.910	PASS
5A_n2	15	5	381500	DFT-s-OFDM 256QAM	25/0	4.484	4.839	PASS
5A_n2	15	5	381500	CP-OFDM QPSK	25/0	4.485	4.926	PASS
5A_n2	15	10	371000	DFT-s-OFDM PI/2 BPSK	50/0	8.927	9.494	PASS
5A_n2	15	10	371000	DFT-s-OFDM QPSK	50/0	8.916	9.489	PASS
5A_n2	15	10	371000	DFT-s-OFDM 16QAM	50/0	8.902	9.465	PASS
5A_n2	15	10	371000	DFT-s-OFDM 64QAM	50/0	8.927	9.540	PASS
5A_n2	15	10	371000	DFT-s-OFDM 256QAM	50/0	8.939	9.546	PASS

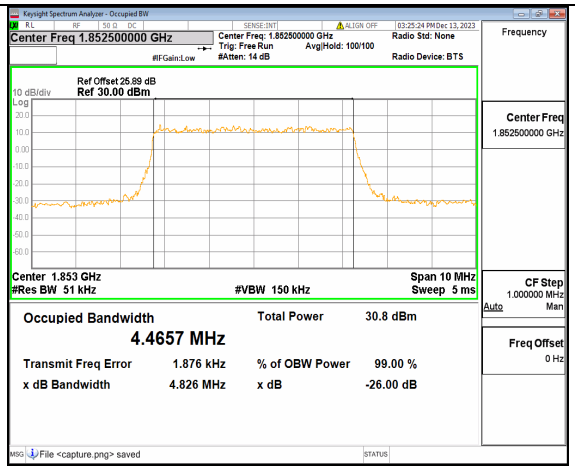
5A_n2	15	10	371000	CP-OFDM QPSK	52/0	9.294	9.910	PASS
5A_n2	15	10	376000	DFT-s-OFDM PI/2 BPSK	50/0	8.920	9.430	PASS
5A_n2	15	10	376000	DFT-s-OFDM QPSK	50/0	8.923	9.498	PASS
5A_n2	15	10	376000	DFT-s-OFDM 16QAM	50/0	8.912	9.484	PASS
5A_n2	15	10	376000	DFT-s-OFDM 64QAM	50/0	8.924	9.529	PASS
5A_n2	15	10	376000	DFT-s-OFDM 256QAM	50/0	8.937	9.543	PASS
5A_n2	15	10	376000	CP-OFDM QPSK	52/0	9.302	9.920	PASS
5A_n2	15	10	381000	DFT-s-OFDM PI/2 BPSK	50/0	8.935	9.463	PASS
5A_n2	15	10	381000	DFT-s-OFDM QPSK	50/0	8.935	9.543	PASS
5A_n2	15	10	381000	DFT-s-OFDM 16QAM	50/0	8.913	9.482	PASS
5A_n2	15	10	381000	DFT-s-OFDM 64QAM	50/0	8.919	9.464	PASS
5A_n2	15	10	381000	DFT-s-OFDM 256QAM	50/0	8.944	9.484	PASS
5A_n2	15	10	381000	CP-OFDM QPSK	52/0	9.312	9.949	PASS
5A_n2	15	15	371500	DFT-s-OFDM PI/2 BPSK	75/0	13.432	14.175	PASS
5A_n2	15	15	371500	DFT-s-OFDM QPSK	75/0	13.394	14.076	PASS
5A_n2	15	15	371500	DFT-s-OFDM 16QAM	75/0	13.407	14.176	PASS
5A_n2	15	15	371500	DFT-s-OFDM 64QAM	75/0	13.407	14.134	PASS
5A_n2	15	15	371500	DFT-s-OFDM 256QAM	75/0	13.434	14.191	PASS
5A_n2	15	15	371500	CP-OFDM QPSK	79/0	14.089	14.824	PASS
5A_n2	15	15	376000	DFT-s-OFDM PI/2 BPSK	75/0	13.450	14.175	PASS
5A_n2	15	15	376000	DFT-s-OFDM QPSK	75/0	13.406	14.139	PASS
5A_n2	15	15	376000	DFT-s-OFDM 16QAM	75/0	13.433	14.107	PASS
5A_n2	15	15	376000	DFT-s-OFDM 64QAM	75/0	13.414	14.186	PASS
5A_n2	15	15	376000	DFT-s-OFDM 256QAM	75/0	13.436	14.107	PASS

5A_n2	15	15	376000	CP-OFDM QPSK	79/0	14.107	14.865	PASS
5A_n2	15	15	380500	DFT-s-OFDM PI/2 BPSK	75/0	13.447	14.206	PASS
5A_n2	15	15	380500	DFT-s-OFDM QPSK	75/0	13.418	14.483	PASS
5A_n2	15	15	380500	DFT-s-OFDM 16QAM	75/0	13.433	14.172	PASS
5A_n2	15	15	380500	DFT-s-OFDM 64QAM	75/0	13.431	14.150	PASS
5A_n2	15	15	380500	DFT-s-OFDM 256QAM	75/0	13.456	14.243	PASS
5A_n2	15	15	380500	CP-OFDM QPSK	79/0	14.115	14.864	PASS
5A_n2	15	20	372000	DFT-s-OFDM PI/2 BPSK	100/0	17.842	18.641	PASS
5A_n2	15	20	372000	DFT-s-OFDM QPSK	100/0	17.887	18.721	PASS
5A_n2	15	20	372000	DFT-s-OFDM 16QAM	100/0	17.835	18.668	PASS
5A_n2	15	20	372000	DFT-s-OFDM 64QAM	100/0	17.829	18.627	PASS
5A_n2	15	20	372000	DFT-s-OFDM 256QAM	100/0	17.829	18.660	PASS
5A_n2	15	20	372000	CP-OFDM QPSK	106/0	18.909	19.844	PASS
5A_n2	15	20	376000	DFT-s-OFDM PI/2 BPSK	100/0	17.874	18.613	PASS
5A_n2	15	20	376000	DFT-s-OFDM QPSK	100/0	17.910	18.830	PASS
5A_n2	15	20	376000	DFT-s-OFDM 16QAM	100/0	17.860	18.743	PASS
5A_n2	15	20	376000	DFT-s-OFDM 64QAM	100/0	17.867	18.624	PASS
5A_n2	15	20	376000	DFT-s-OFDM 256QAM	100/0	17.859	18.720	PASS
5A_n2	15	20	376000	CP-OFDM QPSK	106/0	18.944	19.796	PASS
5A_n2	15	20	380000	DFT-s-OFDM PI/2 BPSK	100/0	17.878	18.668	PASS
5A_n2	15	20	380000	DFT-s-OFDM QPSK	100/0	17.897	18.745	PASS
5A_n2	15	20	380000	DFT-s-OFDM 16QAM	100/0	17.871	18.745	PASS
5A_n2	15	20	380000	DFT-s-OFDM 64QAM	100/0	17.865	18.608	PASS
5A_n2	15	20	380000	DFT-s-OFDM 256QAM	100/0	17.857	18.709	PASS

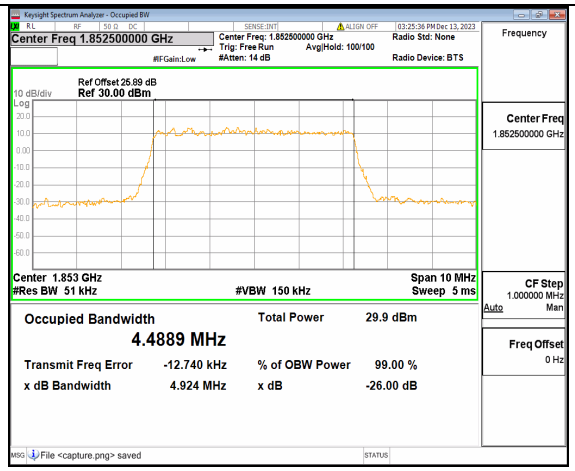
5A_n2	15	20	380000	CP-OFDM QPSK	106/0	18.946	19.797	PASS



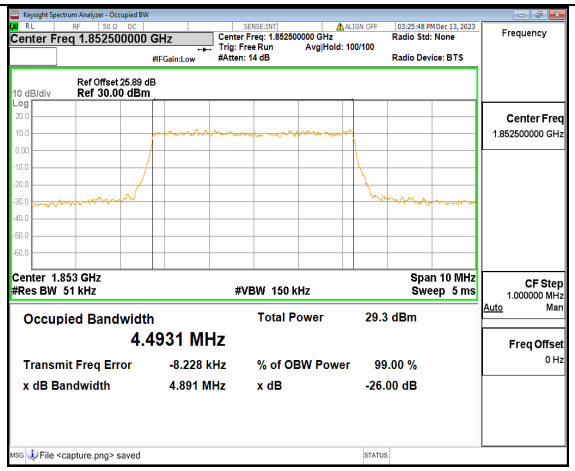
5A_n2 5M DFT-s-OFDM BPSK Outer_Full Low



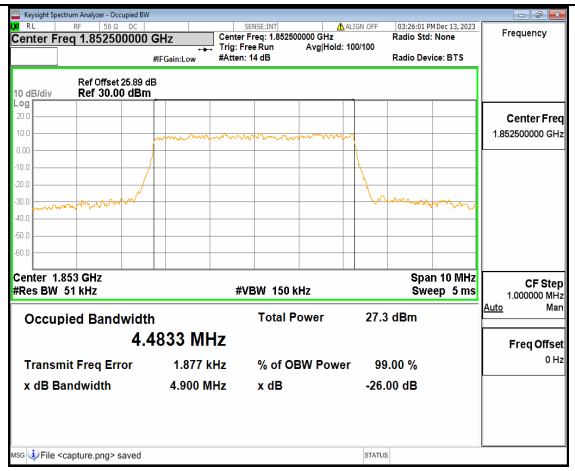
5A_n2 5M DFT-s-OFDM QPSK Outer_Full Low



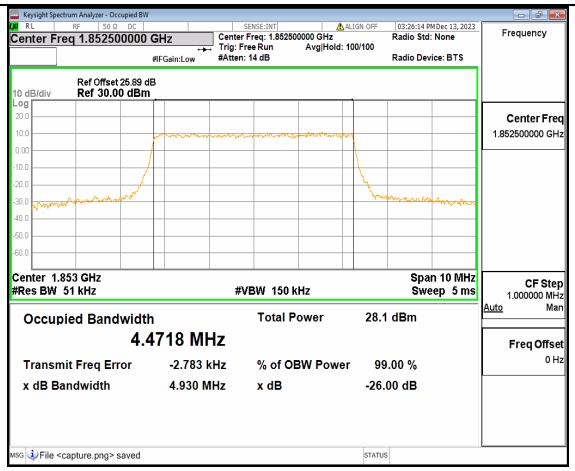
5A_n2 5M DFT-s-OFDM 16QAM Outer_Full Low



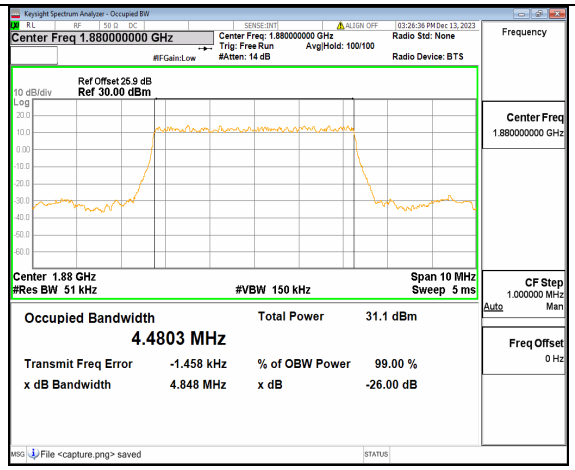
5A_n2 5M DFT-s-OFDM 64QAM Outer_Full Low



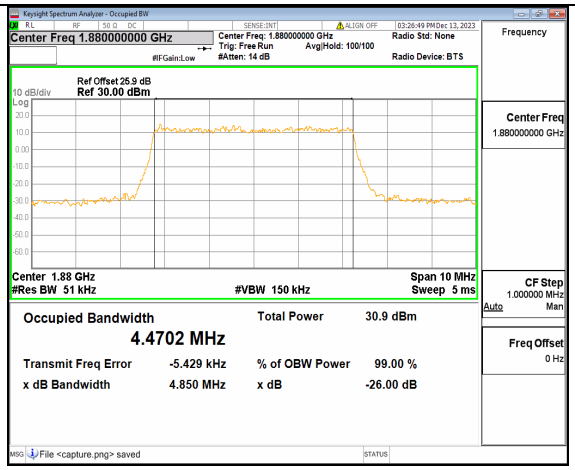
5A_n2 5M DFT-s-OFDM 256QAM Outer_Full Low



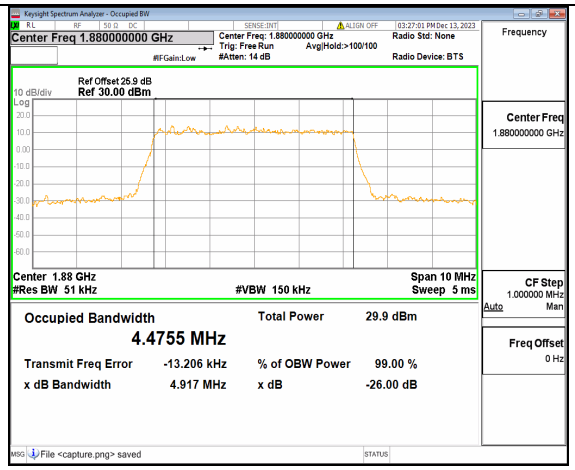
5A_n2 5M CP-OFDM QPSK Outer_Full Low



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



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



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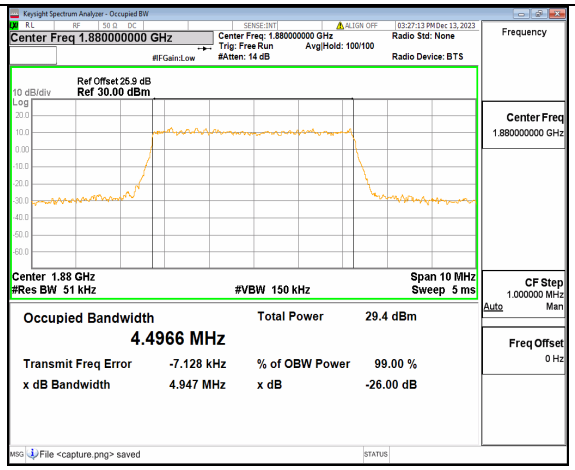
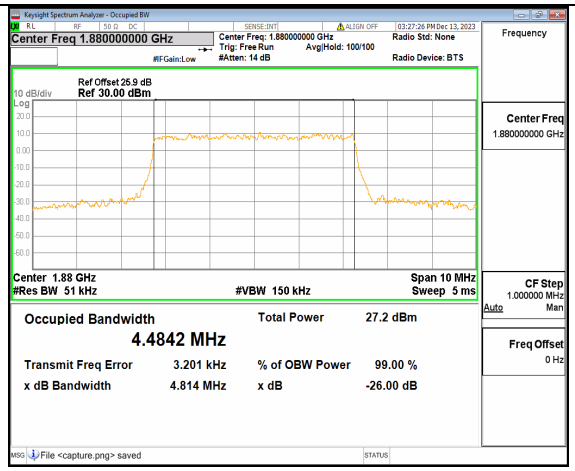
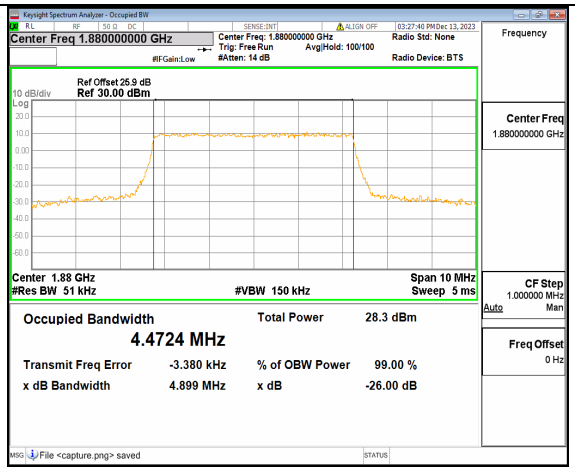


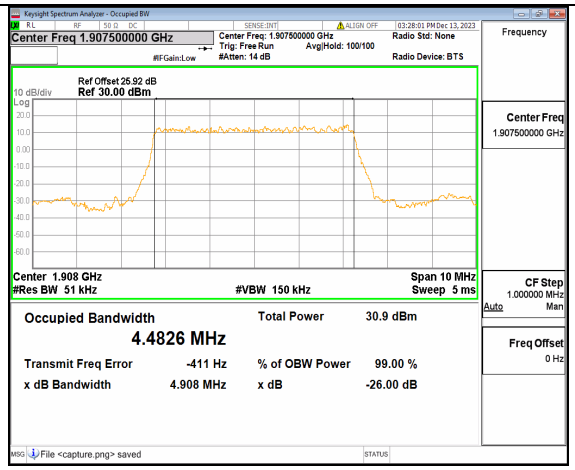
5A_n2 5M DFT-s-OFDM 64QAM Outer_Full Mid



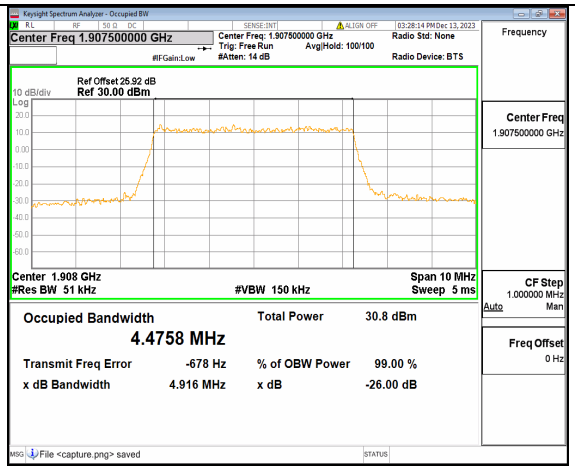
5A_n2 5M DFT-s-OFDM 256QAM Outer_Full Mid



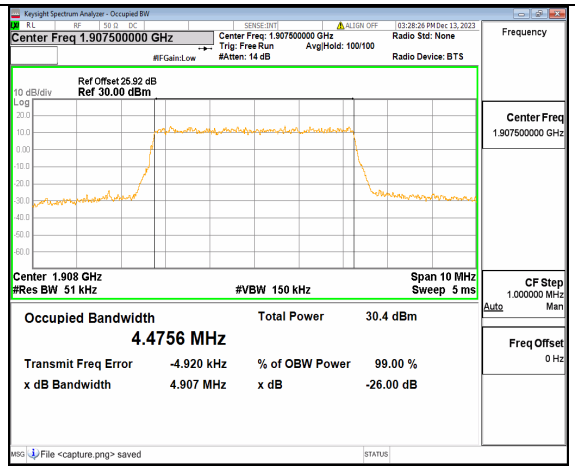
5A_n2 5M CP-OFDM QPSK Outer_Full Mid



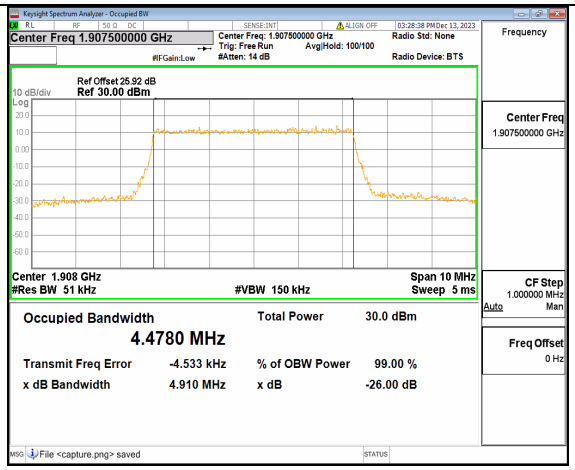
5A_n2 5M DFT-s-OFDM BPSK Outer_Full High



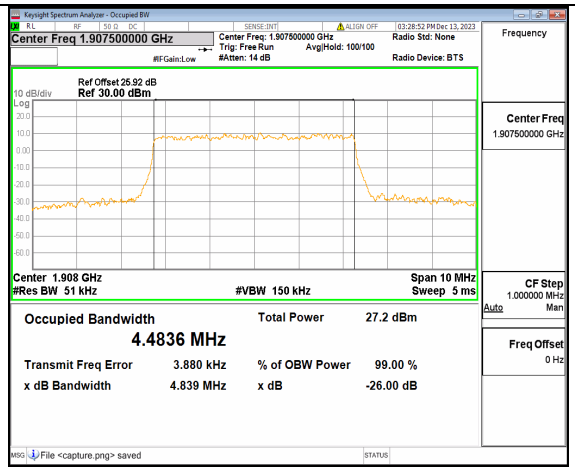
5A_n2 5M DFT-s-OFDM QPSK Outer_Full High



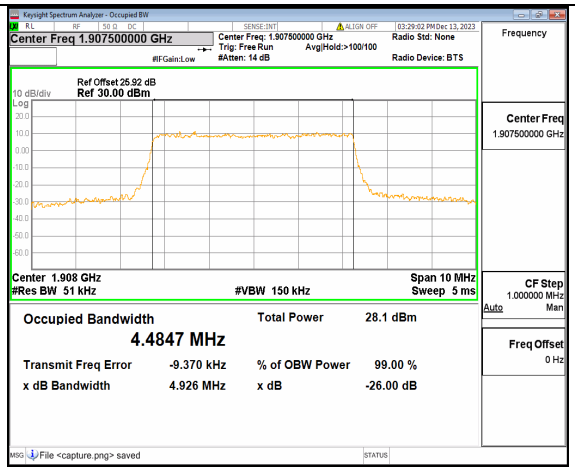
5A_n2 5M DFT-s-OFDM 16QAM Outer_Full High



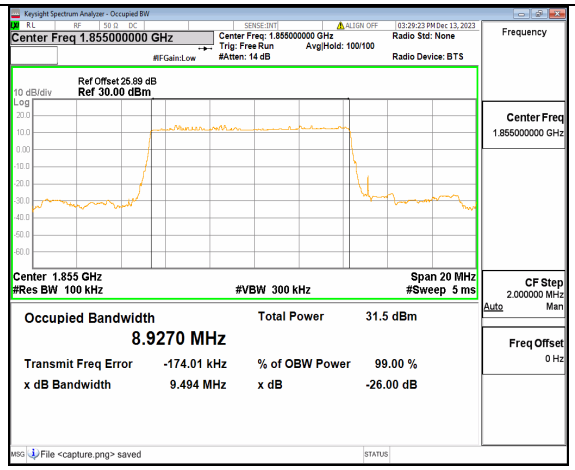
5A_n2 5M DFT-s-OFDM 64QAM Outer_Full High



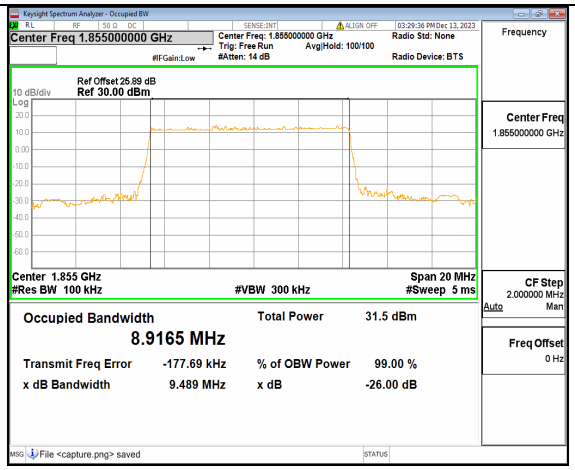
5A_n2 5M DFT-s-OFDM 256QAM Outer_Full High



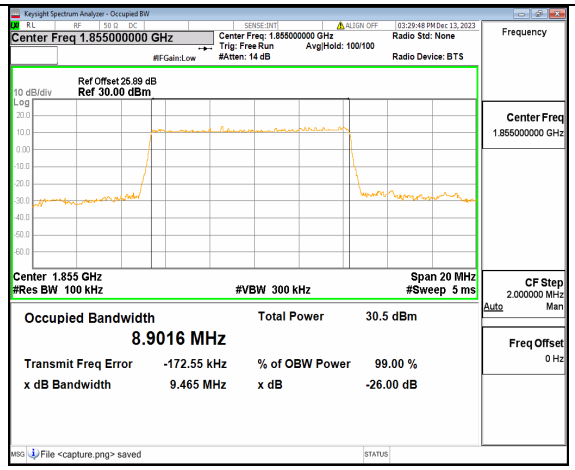
5A_n2 5M CP-OFDM QPSK Outer_Full High



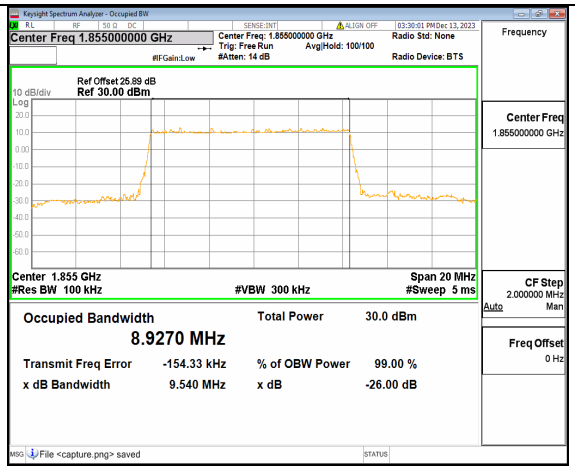
5A_n2 10M DFT-s-OFDM BPSK Outer_Full Low



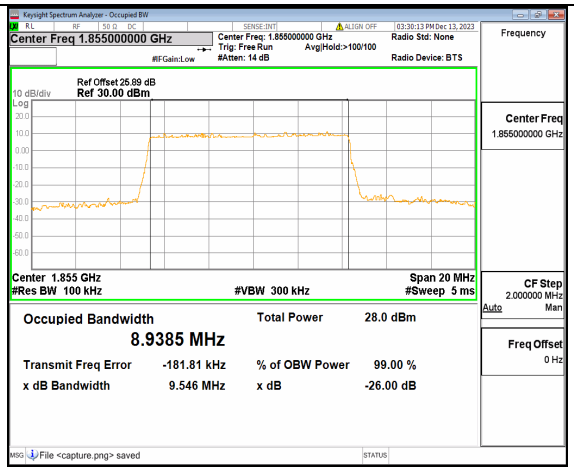
5A_n2 10M DFT-s-OFDM QPSK Outer_Full Low



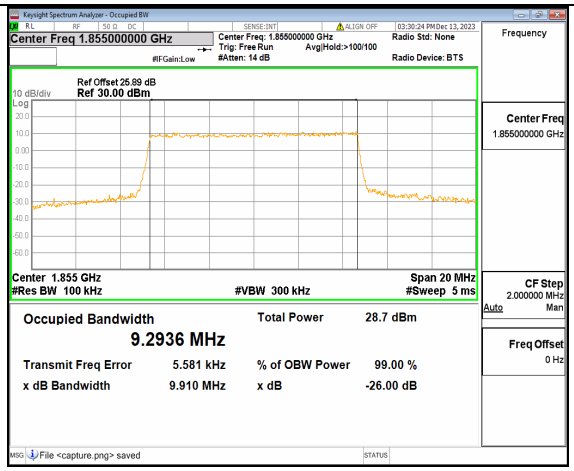
5A_n2 10M DFT-s-OFDM 16QAM Outer_Full Low



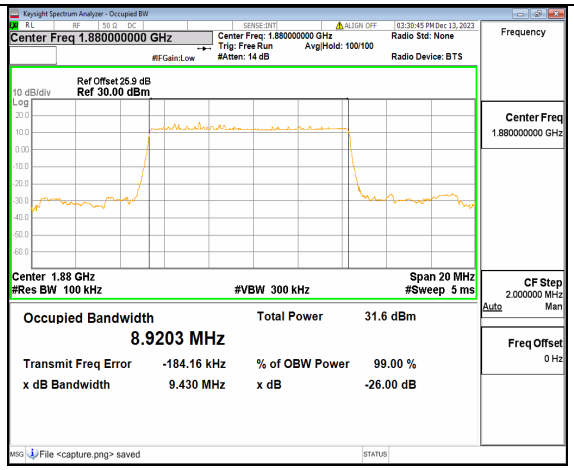
5A_n2 10M DFT-s-OFDM 64QAM Outer_Full Low



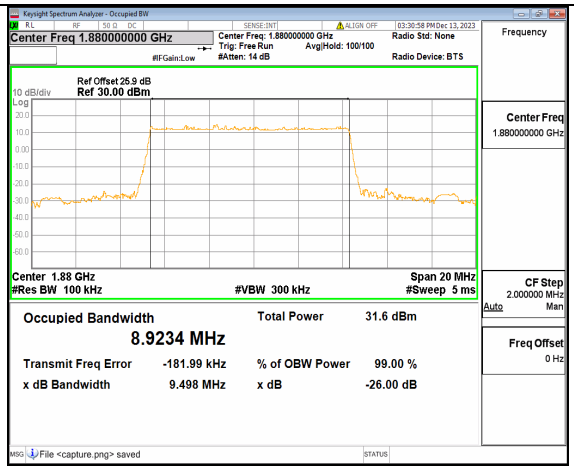
5A_n2 10M DFT-s-OFDM 256QAM Outer_Full Low



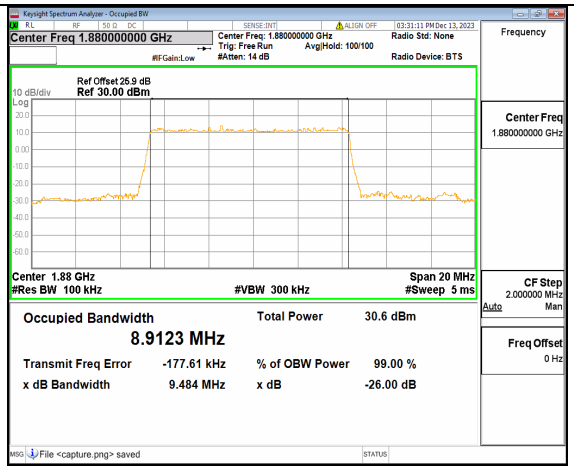
5A_n2 10M CP-OFDM QPSK Outer_Full Low



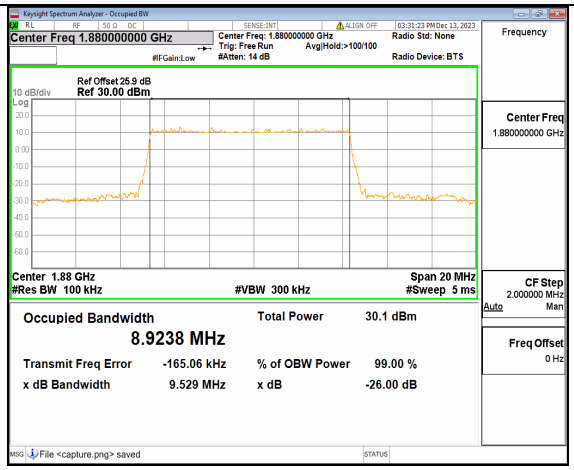
5A_n2 10M DFT-s-OFDM BPSK Outer_Full Mid



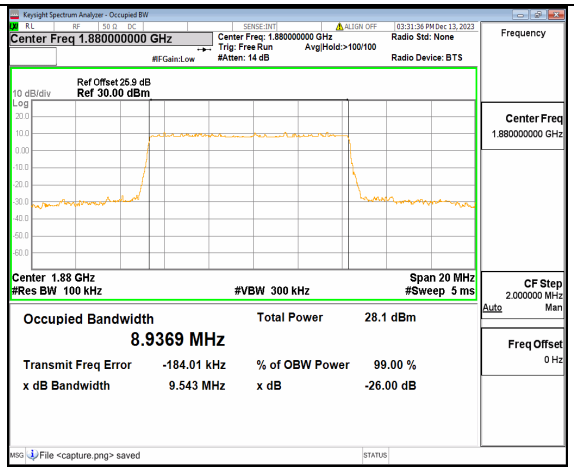
5A_n2 10M DFT-s-OFDM QPSK Outer_Full Mid



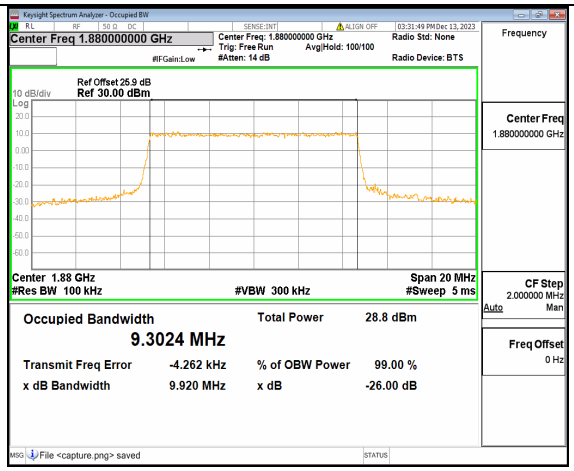
5A_n2 10M DFT-s-OFDM 16QAM Outer_Full Mid



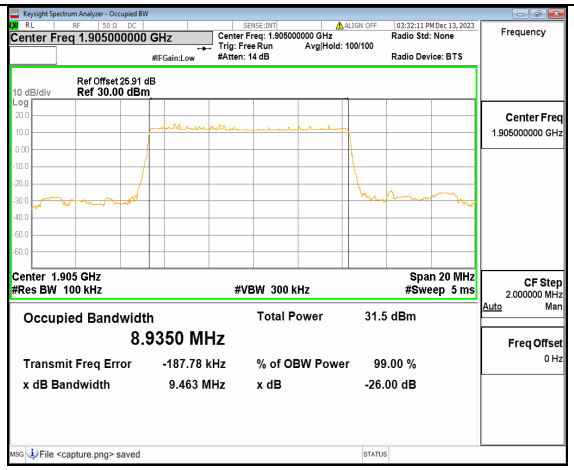
5A_n2 10M DFT-s-OFDM 64QAM Outer_Full Mid



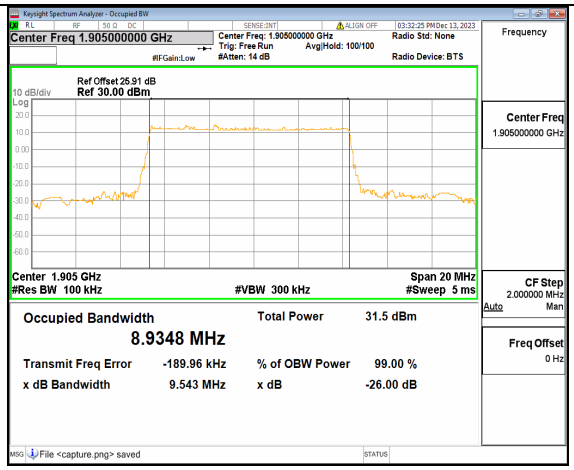
5A_n2 10M DFT-s-OFDM 256QAM Outer_Full Mid



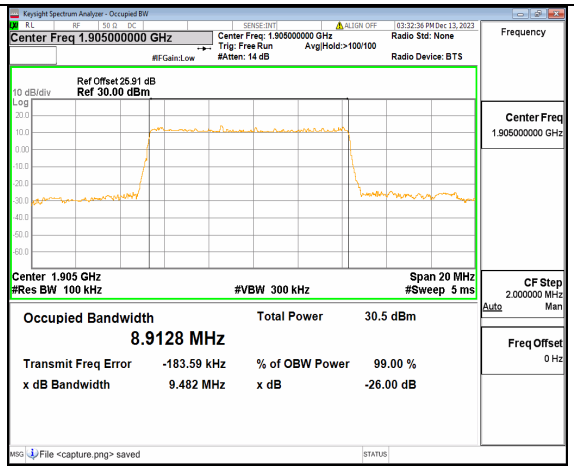
5A_n2 10M CP-OFDM QPSK Outer_Full Mid



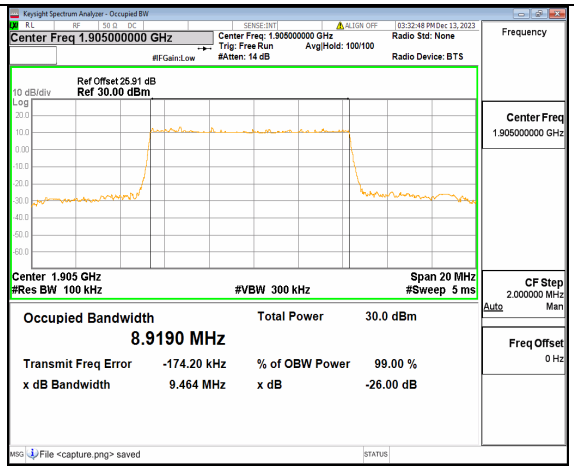
5A_n2 10M DFT-s-OFDM BPSK Outer_Full High



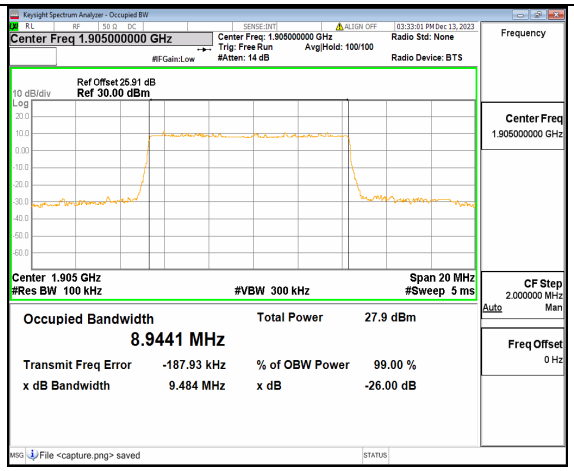
5A_n2 10M DFT-s-OFDM QPSK Outer_Full High



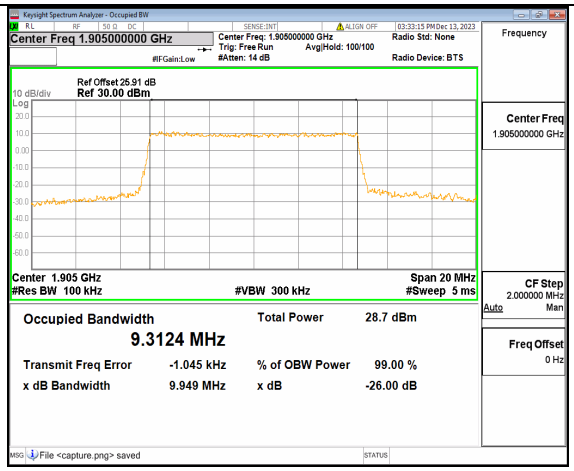
5A_n2 10M DFT-s-OFDM 16QAM Outer_Full High



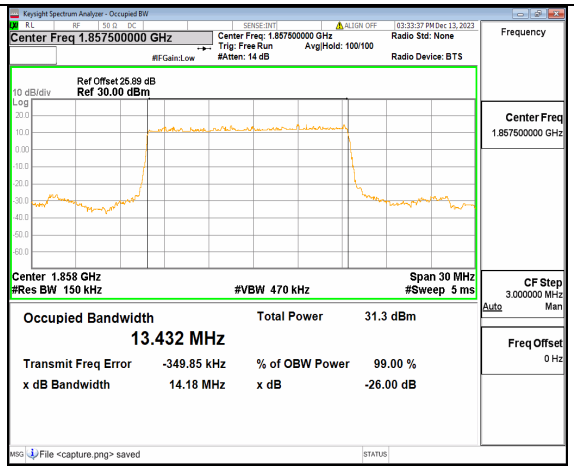
5A_n2 10M DFT-s-OFDM 64QAM Outer_Full High



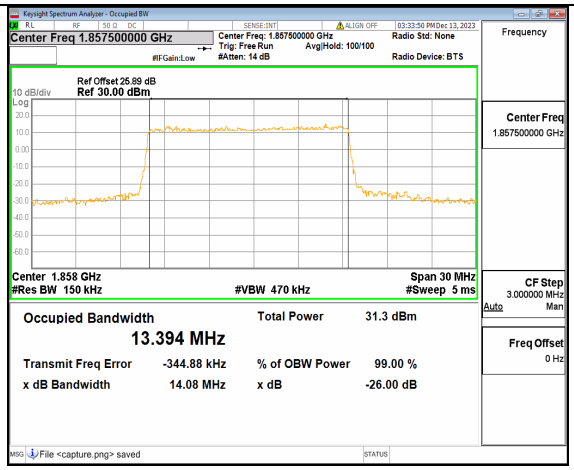
5A_n2 10M DFT-s-OFDM 256QAM Outer_Full High



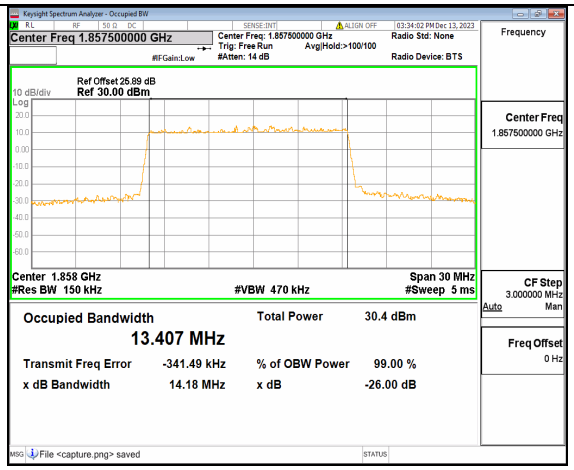
5A_n2 10M CP-OFDM QPSK Outer_Full High



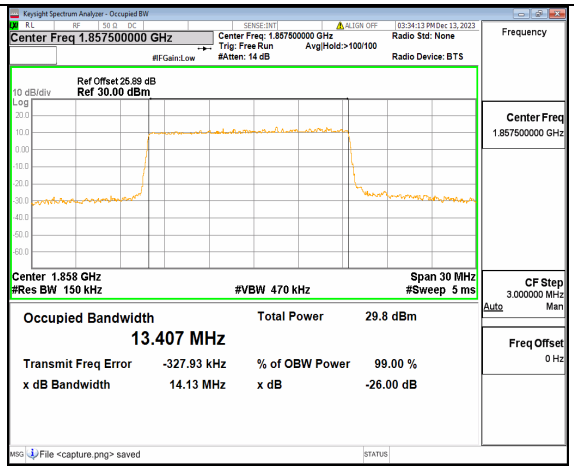
5A_n2 15M DFT-s-OFDM BPSK Outer_Full Low



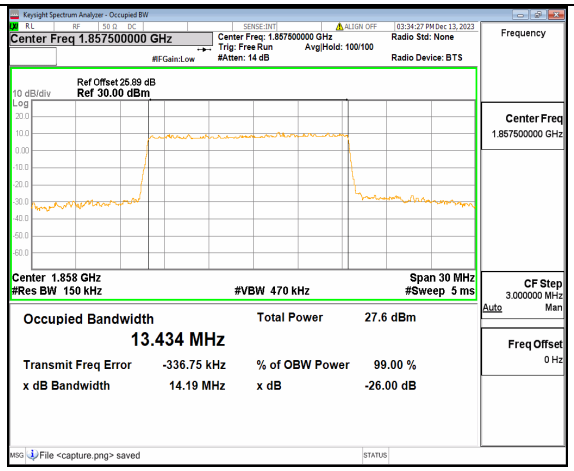
5A_n2 15M DFT-s-OFDM QPSK Outer_Full Low



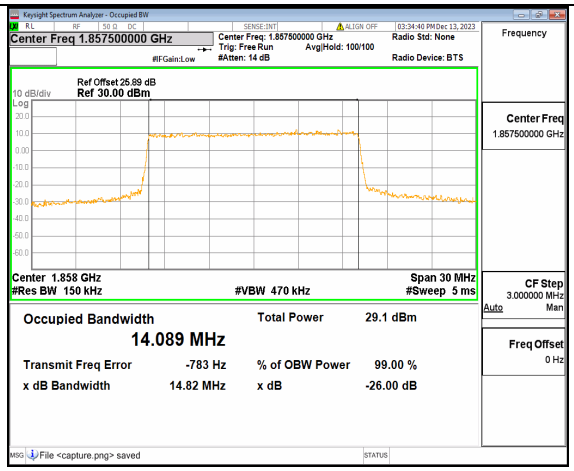
5A_n2 15M DFT-s-OFDM 16QAM Outer_Full Low



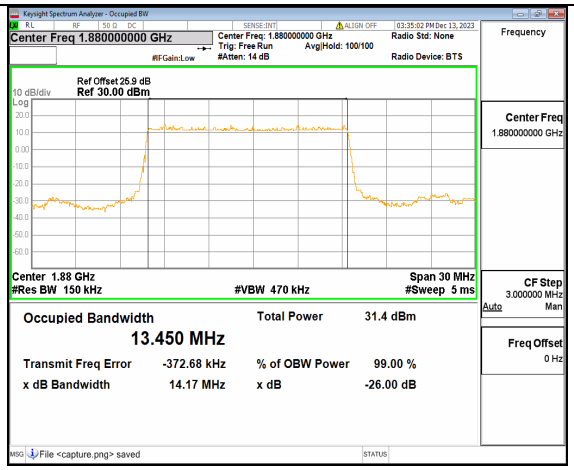
5A_n2 15M DFT-s-OFDM 64QAM Outer_Full Low



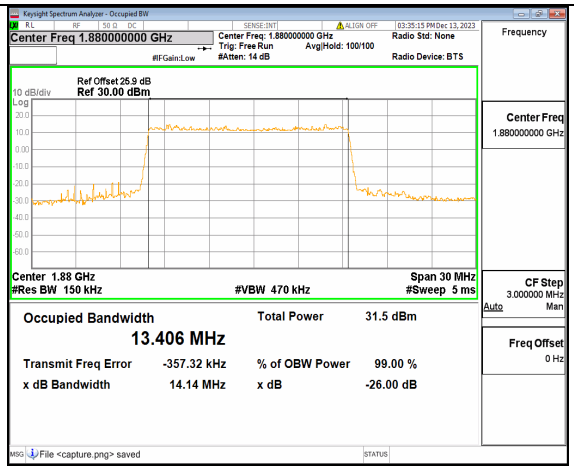
5A_n2 15M DFT-s-OFDM 256QAM Outer_Full Low



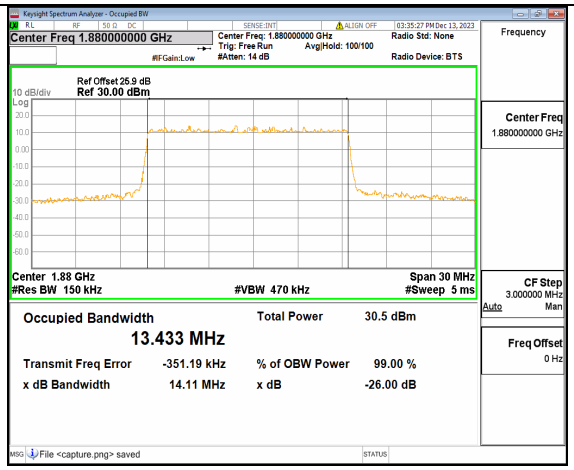
5A_n2 15M CP-OFDM QPSK Outer_Full Low



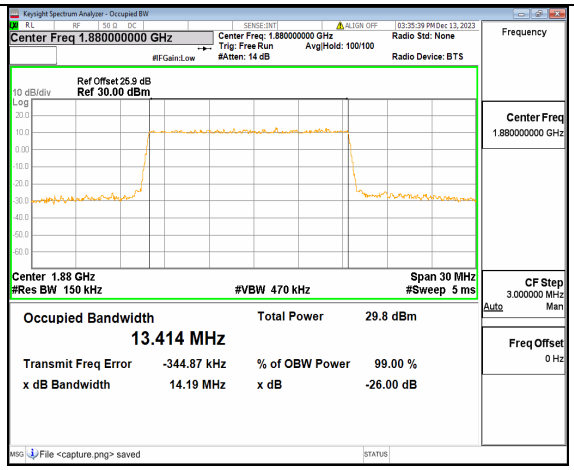
5A_n2 15M DFT-s-OFDM BPSK Outer_Full Mid



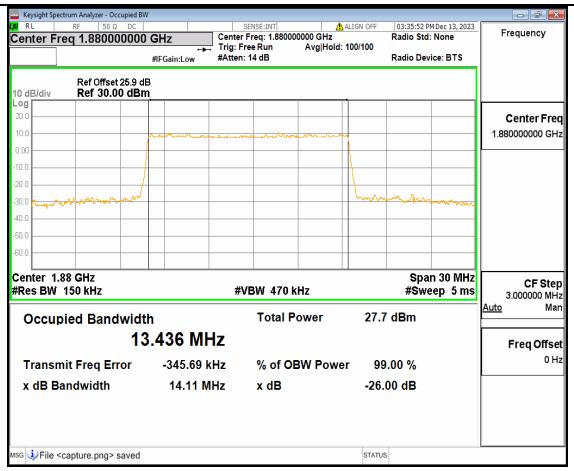
5A_n2 15M DFT-s-OFDM QPSK Outer_Full Mid



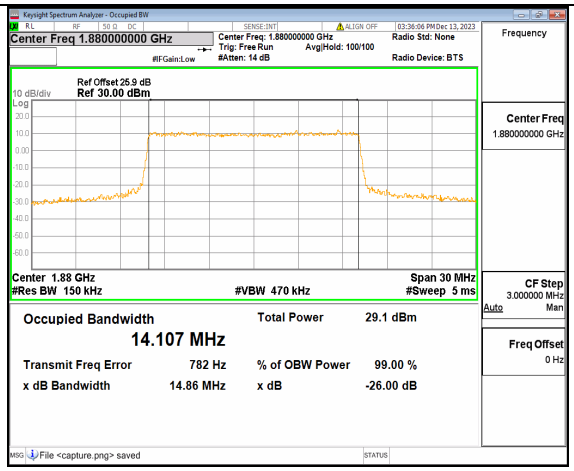
5A_n2 15M DFT-s-OFDM 16QAM Outer_Full Mid



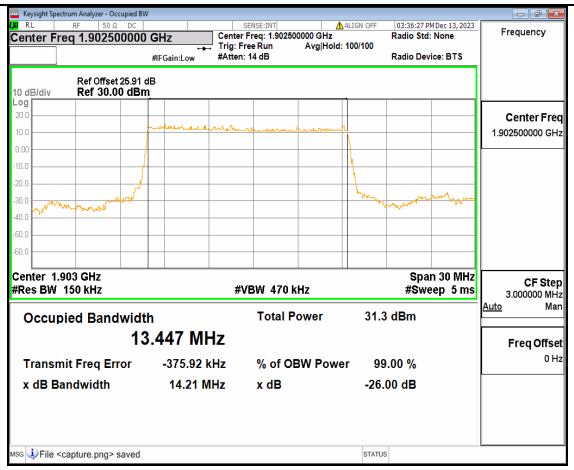
5A_n2 15M DFT-s-OFDM 64QAM Outer_Full Mid



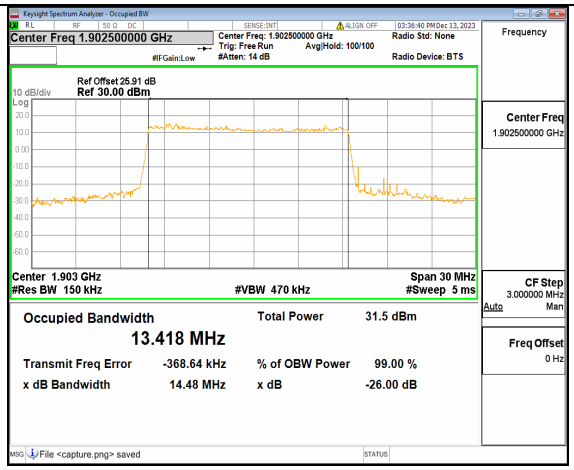
5A_n2 15M DFT-s-OFDM 256QAM Outer_Full Mid



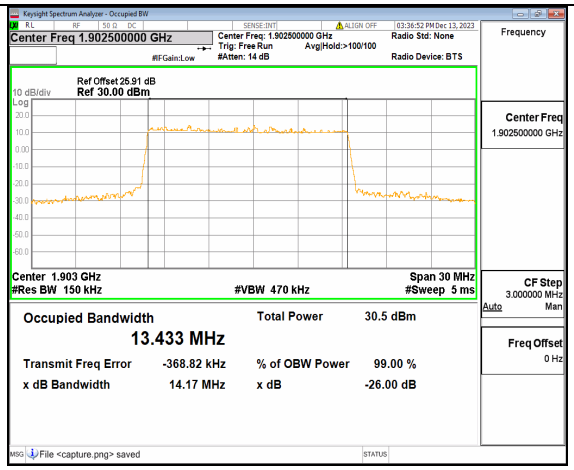
5A_n2 15M CP-OFDM QPSK Outer_Full Mid



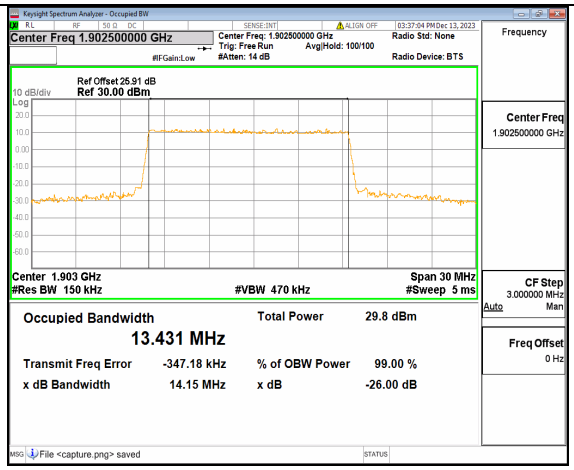
5A_n2 15M DFT-s-OFDM BPSK Outer_Full High



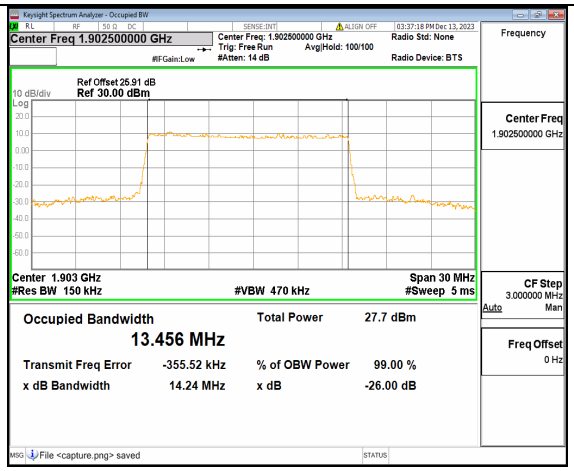
5A_n2 15M DFT-s-OFDM QPSK Outer_Full High



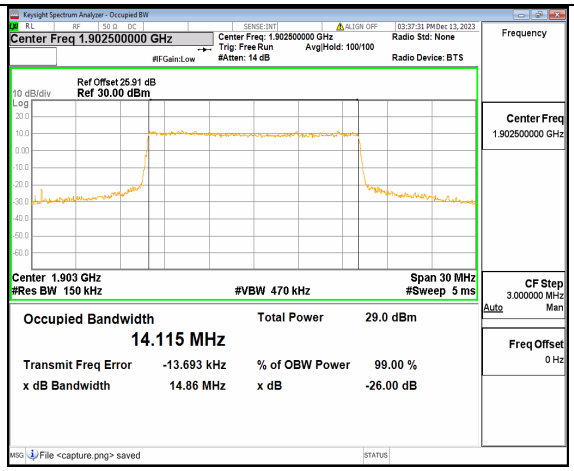
5A_n2 15M DFT-s-OFDM 16QAM Outer_Full High



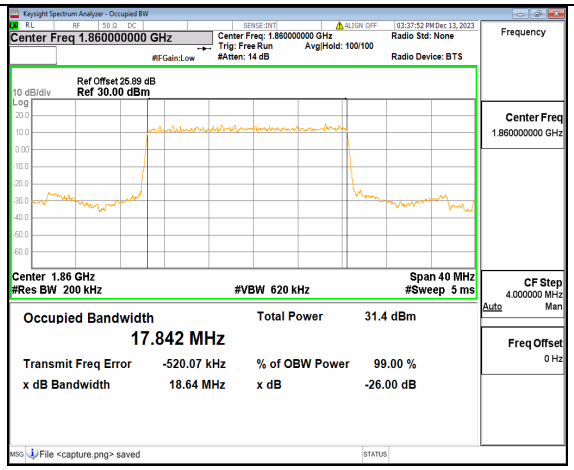
5A_n2 15M DFT-s-OFDM 64QAM Outer_Full High



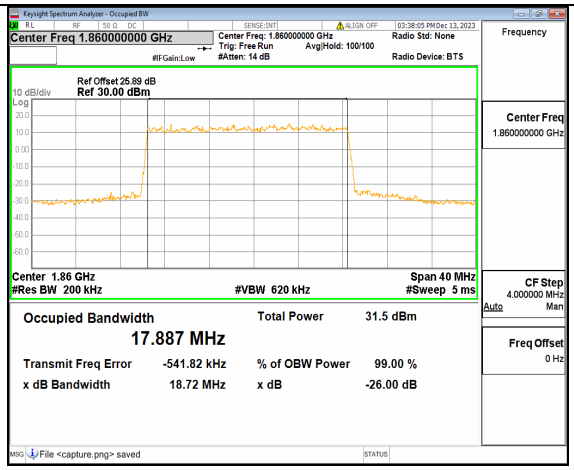
5A_n2 15M DFT-s-OFDM 256QAM Outer_Full High



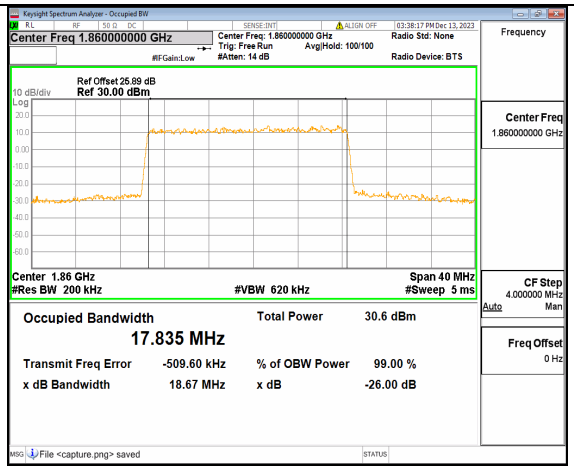
5A_n2 15M CP-OFDM QPSK Outer_Full High



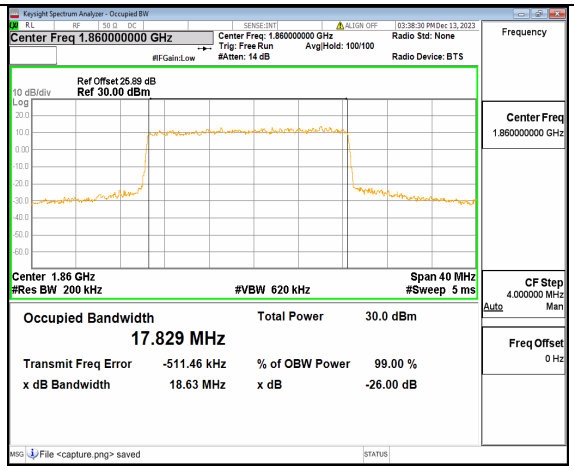
5A_n2 20M DFT-s-OFDM BPSK Outer_Full Low



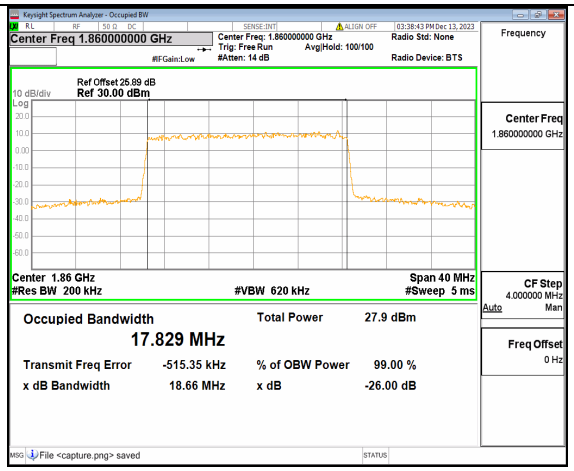
5A_n2 20M DFT-s-OFDM QPSK Outer_Full Low



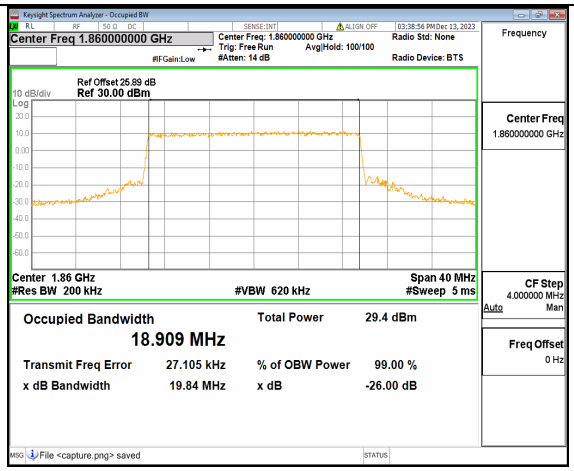
5A_n2 20M DFT-s-OFDM 16QAM Outer_Full Low



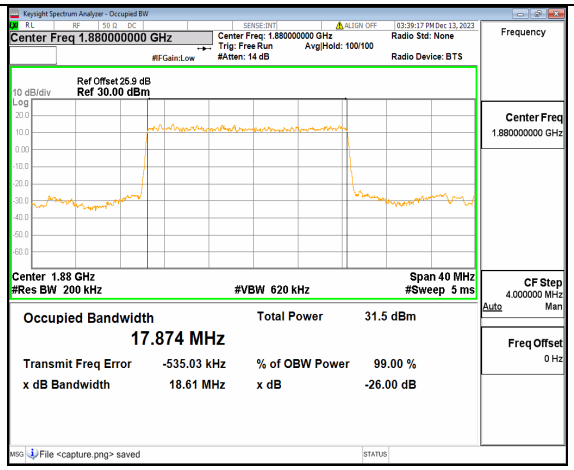
5A_n2 20M DFT-s-OFDM 64QAM Outer_Full Low



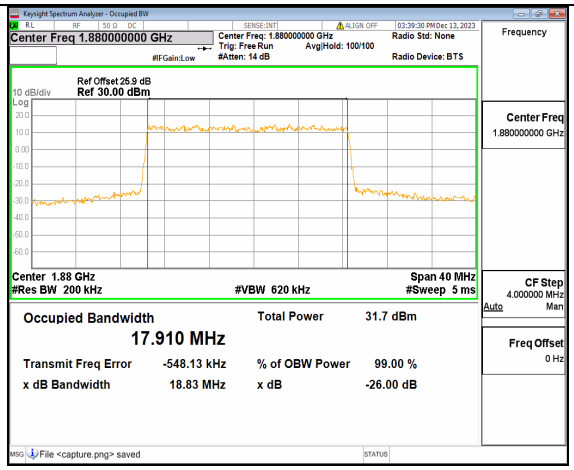
5A_n2 20M DFT-s-OFDM 256QAM Outer_Full Low



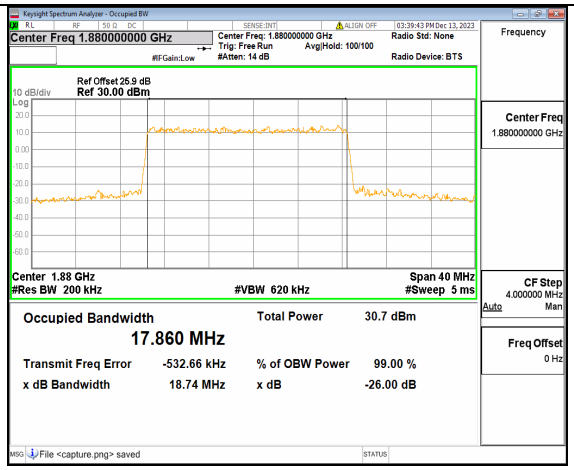
5A_n2 20M CP-OFDM QPSK Outer_Full Low



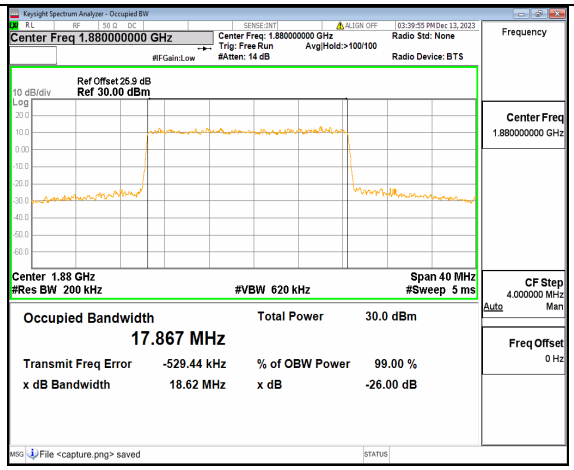
5A_n2 20M DFT-s-OFDM BPSK Outer_Full Mid



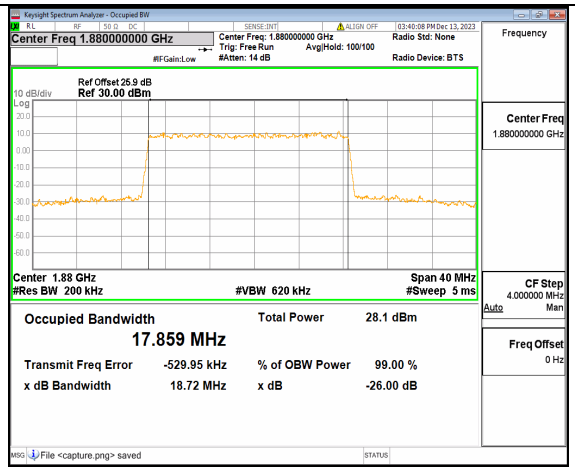
5A_n2 20M DFT-s-OFDM QPSK Outer_Full Mid



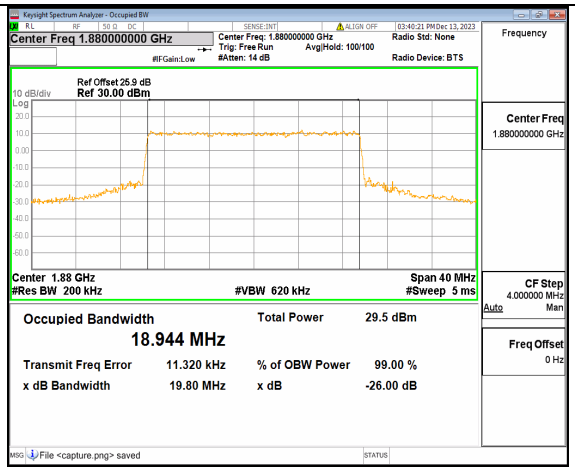
5A_n2 20M DFT-s-OFDM 16QAM Outer_Full Mid



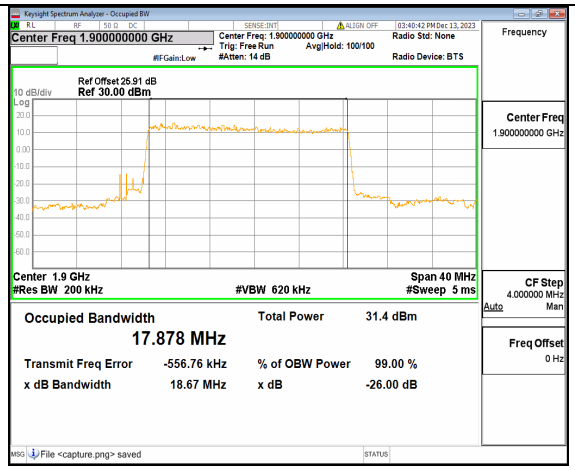
5A_n2 20M DFT-s-OFDM 64QAM Outer_Full Mid



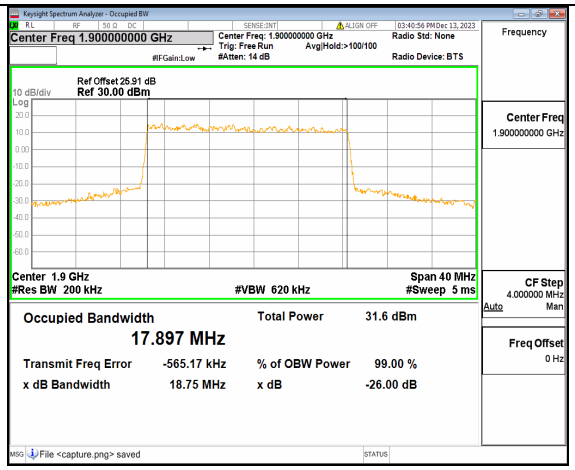
5A_n2 20M DFT-s-OFDM 256QAM Outer_Full Mid



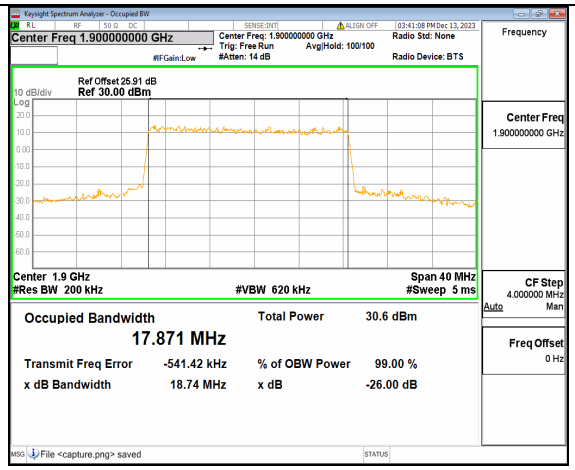
5A_n2 20M CP-OFDM QPSK Outer_Full Mid



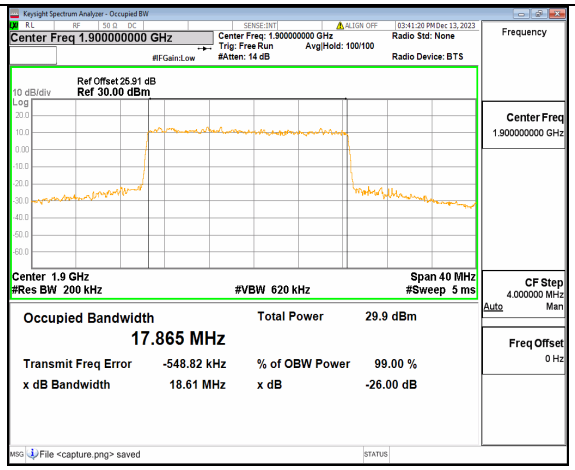
5A_n2 20M DFT-s-OFDM BPSK Outer_Full High



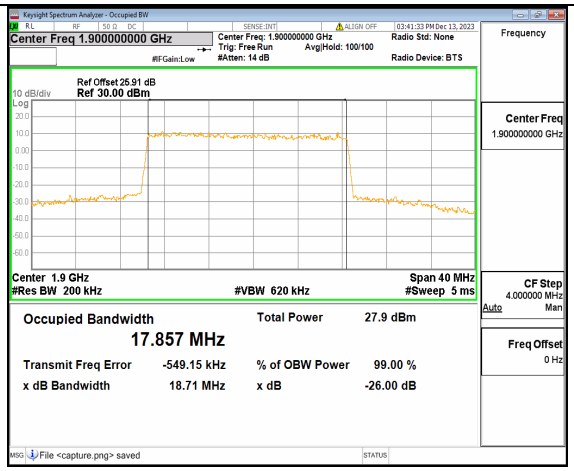
5A_n2 20M DFT-s-OFDM QPSK Outer_Full High



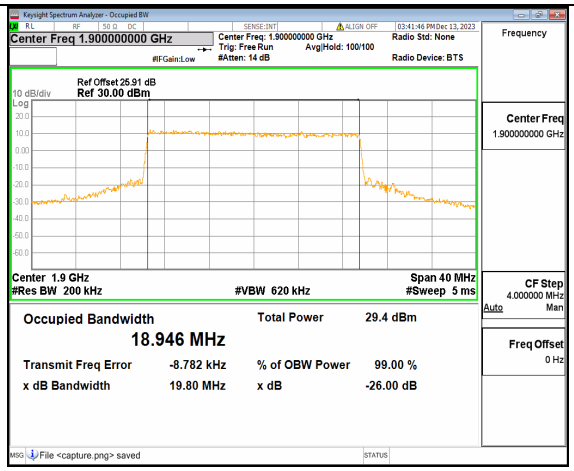
5A_n2 20M DFT-s-OFDM 16QAM Outer_Full High



5A_n2 20M DFT-s-OFDM 64QAM Outer_Full High



5A_n2 20M DFT-s-OFDM 256QAM Outer_Full High



5A_n2 20M CP-OFDM QPSK Outer_Full High

Band	SCS (KHz)	BW (MHz)	ARFCN	Modulation	RB	OBW (MHz)	26dB BW (MHz)	Verdict
66A_n5	15	5	165300	DFT-s-OFDM PI/2 BPSK	25/0	4.484	4.907	PASS
66A_n5	15	5	165300	DFT-s-OFDM QPSK	25/0	4.471	4.900	PASS
66A_n5	15	5	165300	DFT-s-OFDM 16QAM	25/0	4.467	4.884	PASS
66A_n5	15	5	165300	DFT-s-OFDM 64QAM	25/0	4.495	4.903	PASS
66A_n5	15	5	165300	DFT-s-OFDM 256QAM	25/0	4.480	4.859	PASS
66A_n5	15	5	165300	CP-OFDM QPSK	25/0	4.476	4.883	PASS
66A_n5	15	5	167300	DFT-s-OFDM PI/2 BPSK	25/0	4.475	4.834	PASS
66A_n5	15	5	167300	DFT-s-OFDM QPSK	25/0	4.466	4.852	PASS
66A_n5	15	5	167300	DFT-s-OFDM 16QAM	25/0	4.479	4.924	PASS
66A_n5	15	5	167300	DFT-s-OFDM 64QAM	25/0	4.488	4.931	PASS
66A_n5	15	5	167300	DFT-s-OFDM 256QAM	25/0	4.482	4.846	PASS
66A_n5	15	5	167300	CP-OFDM QPSK	25/0	4.469	4.913	PASS
66A_n5	15	5	169300	DFT-s-OFDM PI/2 BPSK	25/0	4.483	4.896	PASS
66A_n5	15	5	169300	DFT-s-OFDM QPSK	25/0	4.472	4.903	PASS

66A_n5	15	5	169300	DFT-s-OFDM 16QAM	25/0	4.462	4.860	PASS
66A_n5	15	5	169300	DFT-s-OFDM 64QAM	25/0	4.501	4.917	PASS
66A_n5	15	5	169300	DFT-s-OFDM 256QAM	25/0	4.484	4.870	PASS
66A_n5	15	5	169300	CP-OFDM QPSK	25/0	4.484	4.984	PASS
66A_n5	15	10	165800	DFT-s-OFDM PI/2 BPSK	50/0	8.906	9.422	PASS
66A_n5	15	10	165800	DFT-s-OFDM QPSK	50/0	8.914	9.546	PASS
66A_n5	15	10	165800	DFT-s-OFDM 16QAM	50/0	8.891	9.423	PASS
66A_n5	15	10	165800	DFT-s-OFDM 64QAM	50/0	8.920	9.451	PASS
66A_n5	15	10	165800	DFT-s-OFDM 256QAM	50/0	8.931	9.475	PASS
66A_n5	15	10	165800	CP-OFDM QPSK	52/0	9.283	9.901	PASS
66A_n5	15	10	167300	DFT-s-OFDM PI/2 BPSK	50/0	8.912	9.456	PASS
66A_n5	15	10	167300	DFT-s-OFDM QPSK	50/0	8.919	9.527	PASS
66A_n5	15	10	167300	DFT-s-OFDM 16QAM	50/0	8.904	9.472	PASS
66A_n5	15	10	167300	DFT-s-OFDM 64QAM	50/0	8.921	9.509	PASS
66A_n5	15	10	167300	DFT-s-OFDM 256QAM	50/0	8.929	9.480	PASS
66A_n5	15	10	167300	CP-OFDM QPSK	52/0	9.291	9.932	PASS
66A_n5	15	10	168800	DFT-s-OFDM PI/2 BPSK	50/0	8.912	9.431	PASS
66A_n5	15	10	168800	DFT-s-OFDM QPSK	50/0	8.908	9.517	PASS
66A_n5	15	10	168800	DFT-s-OFDM 16QAM	50/0	8.887	9.424	PASS
66A_n5	15	10	168800	DFT-s-OFDM 64QAM	50/0	8.919	9.471	PASS
66A_n5	15	10	168800	DFT-s-OFDM 256QAM	50/0	8.924	9.478	PASS
66A_n5	15	10	168800	CP-OFDM QPSK	52/0	9.280	9.907	PASS
66A_n5	15	15	166300	DFT-s-OFDM PI/2 BPSK	75/0	13.434	14.179	PASS
66A_n5	15	15	166300	DFT-s-OFDM QPSK	75/0	13.405	14.141	PASS

66A_n5	15	15	166300	DFT-s-OFDM 16QAM	75/0	13.432	14.157	PASS
66A_n5	15	15	166300	DFT-s-OFDM 64QAM	75/0	13.434	14.164	PASS
66A_n5	15	15	166300	DFT-s-OFDM 256QAM	75/0	13.423	14.051	PASS
66A_n5	15	15	166300	CP-OFDM QPSK	79/0	14.109	14.867	PASS
66A_n5	15	15	167300	DFT-s-OFDM PI/2 BPSK	75/0	13.435	14.148	PASS
66A_n5	15	15	167300	DFT-s-OFDM QPSK	75/0	13.401	14.144	PASS
66A_n5	15	15	167300	DFT-s-OFDM 16QAM	75/0	13.410	14.156	PASS
66A_n5	15	15	167300	DFT-s-OFDM 64QAM	75/0	13.406	14.189	PASS
66A_n5	15	15	167300	DFT-s-OFDM 256QAM	75/0	13.434	14.153	PASS
66A_n5	15	15	167300	CP-OFDM QPSK	79/0	14.096	14.842	PASS
66A_n5	15	15	168300	DFT-s-OFDM PI/2 BPSK	75/0	13.410	14.077	PASS
66A_n5	15	15	168300	DFT-s-OFDM QPSK	75/0	13.372	14.094	PASS
66A_n5	15	15	168300	DFT-s-OFDM 16QAM	75/0	13.386	14.142	PASS
66A_n5	15	15	168300	DFT-s-OFDM 64QAM	75/0	13.381	14.066	PASS
66A_n5	15	15	168300	DFT-s-OFDM 256QAM	75/0	13.404	14.117	PASS
66A_n5	15	15	168300	CP-OFDM QPSK	79/0	14.066	14.835	PASS
66A_n5	15	20	166800	DFT-s-OFDM PI/2 BPSK	100/0	17.868	18.730	PASS
66A_n5	15	20	166800	DFT-s-OFDM QPSK	100/0	17.888	18.664	PASS
66A_n5	15	20	166800	DFT-s-OFDM 16QAM	100/0	17.847	18.712	PASS
66A_n5	15	20	166800	DFT-s-OFDM 64QAM	100/0	17.849	18.723	PASS
66A_n5	15	20	166800	DFT-s-OFDM 256QAM	100/0	17.836	18.669	PASS
66A_n5	15	20	166800	CP-OFDM QPSK	106/0	18.915	19.811	PASS
66A_n5	15	20	167300	DFT-s-OFDM PI/2 BPSK	100/0	17.843	18.608	PASS
66A_n5	15	20	167300	DFT-s-OFDM QPSK	100/0	17.885	18.711	PASS