

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 30k_SISO_20MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3710.01	Edge_1RB_Left	22.66	/	/	24.36	/	/	<=30	Pass
		Edge_1RB_Right	22.99	/	/	24.69	/	/	<=30	Pass
		Outer_Full	25.97	/	/	27.67	/	/	<=30	Pass
		Inner_Full	26.62	/	/	28.32	/	/	<=30	Pass
		Inner_1RB_Left	26.20	/	/	27.90	/	/	<=30	Pass
		Inner_1RB_Right	26.39	/	/	28.09	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.68	/	/	24.38	/	/	<=30	Pass
		Edge_1RB_Right	23.23	/	/	24.93	/	/	<=30	Pass
		Outer_Full	25.97	/	/	27.67	/	/	<=30	Pass
		Inner_Full	26.41	/	/	28.11	/	/	<=30	Pass
		Inner_1RB_Left	26.22	/	/	27.92	/	/	<=30	Pass
		Inner_1RB_Right	26.74	/	/	28.44	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	23.09	/	/	24.79	/	/	<=30	Pass
		Edge_1RB_Right	23.31	/	/	25.01	/	/	<=30	Pass
		Outer_Full	26.40	/	/	28.10	/	/	<=30	Pass
		Inner_Full	26.67	/	/	28.37	/	/	<=30	Pass
		Inner_1RB_Left	26.54	/	/	28.24	/	/	<=30	Pass
		Inner_1RB_Right	26.70	/	/	28.40	/	/	<=30	Pass
DFT-s-OFDM QPSK	3710.01	Edge_1RB_Left	22.50	/	/	24.20	/	/	<=30	Pass
		Edge_1RB_Right	22.83	/	/	24.53	/	/	<=30	Pass
		Outer_Full	25.56	/	/	27.26	/	/	<=30	Pass
		Inner_Full	26.57	/	/	28.27	/	/	<=30	Pass
		Inner_1RB_Left	26.13	/	/	27.83	/	/	<=30	Pass
		Inner_1RB_Right	26.35	/	/	28.05	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.62	/	/	24.32	/	/	<=30	Pass
		Edge_1RB_Right	23.32	/	/	25.02	/	/	<=30	Pass
		Outer_Full	25.51	/	/	27.21	/	/	<=30	Pass
		Inner_Full	26.50	/	/	28.20	/	/	<=30	Pass
		Inner_1RB_Left	26.14	/	/	27.84	/	/	<=30	Pass
		Inner_1RB_Right	26.67	/	/	28.37	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	23.10	/	/	24.80	/	/	<=30	Pass
		Edge_1RB_Right	23.40	/	/	25.10	/	/	<=30	Pass
		Outer_Full	25.28	/	/	26.98	/	/	<=30	Pass
		Inner_Full	26.09	/	/	27.79	/	/	<=30	Pass
		Inner_1RB_Left	25.95	/	/	27.65	/	/	<=30	Pass
		Inner_1RB_Right	25.87	/	/	27.57	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3710.01	Edge_1RB_Left	22.64	/	/	24.34	/	/	<=30	Pass
		Edge_1RB_Right	22.93	/	/	24.63	/	/	<=30	Pass
		Outer_Full	24.59	/	/	26.29	/	/	<=30	Pass
		Inner_Full	25.60	/	/	27.30	/	/	<=30	Pass
		Inner_1RB_Left	25.12	/	/	26.82	/	/	<=30	Pass
		Inner_1RB_Right	25.33	/	/	27.03	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.49	/	/	24.19	/	/	<=30	Pass
		Edge_1RB_Right	23.05	/	/	24.75	/	/	<=30	Pass
		Outer_Full	24.50	/	/	26.20	/	/	<=30	Pass
		Inner_Full	25.50	/	/	27.20	/	/	<=30	Pass
		Inner_1RB_Left	24.88	/	/	26.58	/	/	<=30	Pass
		Inner_1RB_Right	25.65	/	/	27.35	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	23.12	/	/	24.82	/	/	<=30	Pass

		Edge_1RB_Right	23.24	/	/	24.94	/	/	<=30	Pass
		Outer_Full	24.08	/	/	25.78	/	/	<=30	Pass
		Inner_Full	25.16	/	/	26.86	/	/	<=30	Pass
		Inner_1RB_Left	24.87	/	/	26.57	/	/	<=30	Pass
		Inner_1RB_Right	24.82	/	/	26.52	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3710.01	Edge_1RB_Left	22.67	/	/	24.37	/	/	<=30	Pass
		Edge_1RB_Right	22.91	/	/	24.61	/	/	<=30	Pass
		Outer_Full	24.05	/	/	25.75	/	/	<=30	Pass
		Inner_Full	24.15	/	/	25.85	/	/	<=30	Pass
		Inner_1RB_Left	23.71	/	/	25.41	/	/	<=30	Pass
	3840	Inner_1RB_Right	23.93	/	/	25.63	/	/	<=30	Pass
		Edge_1RB_Left	22.74	/	/	24.44	/	/	<=30	Pass
		Edge_1RB_Right	23.38	/	/	25.08	/	/	<=30	Pass
		Outer_Full	23.95	/	/	25.65	/	/	<=30	Pass
		Inner_Full	23.99	/	/	25.69	/	/	<=30	Pass
	3969.99	Inner_1RB_Left	23.69	/	/	25.39	/	/	<=30	Pass
		Inner_1RB_Right	24.20	/	/	25.90	/	/	<=30	Pass
		Edge_1RB_Left	23.14	/	/	24.84	/	/	<=30	Pass
		Edge_1RB_Right	23.34	/	/	25.04	/	/	<=30	Pass
		Outer_Full	23.59	/	/	25.29	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Inner_Full	23.63	/	/	25.33	/	/	<=30	Pass
		Inner_1RB_Left	23.59	/	/	25.29	/	/	<=30	Pass
		Inner_1RB_Right	23.47	/	/	25.17	/	/	<=30	Pass
		Edge_1RB_Left	21.69	/	/	23.39	/	/	<=30	Pass
		Edge_1RB_Right	21.97	/	/	23.67	/	/	<=30	Pass
	3840	Outer_Full	22.00	/	/	23.70	/	/	<=30	Pass
		Inner_Full	22.24	/	/	23.94	/	/	<=30	Pass
		Inner_1RB_Left	21.66	/	/	23.36	/	/	<=30	Pass
		Inner_1RB_Right	21.93	/	/	23.63	/	/	<=30	Pass
		Edge_1RB_Left	21.66	/	/	23.36	/	/	<=30	Pass
	3969.99	Edge_1RB_Right	22.20	/	/	23.90	/	/	<=30	Pass
		Outer_Full	21.96	/	/	23.66	/	/	<=30	Pass
		Inner_Full	22.16	/	/	23.86	/	/	<=30	Pass
		Inner_1RB_Left	21.75	/	/	23.45	/	/	<=30	Pass
		Inner_1RB_Right	22.21	/	/	23.91	/	/	<=30	Pass
CP-OFDM QPSK	3710.01	Edge_1RB_Left	22.00	/	/	23.70	/	/	<=30	Pass
		Edge_1RB_Right	21.88	/	/	23.58	/	/	<=30	Pass
		Outer_Full	22.21	/	/	23.91	/	/	<=30	Pass
		Inner_Full	22.16	/	/	23.86	/	/	<=30	Pass
		Inner_1RB_Left	22.10	/	/	23.80	/	/	<=30	Pass
	3840	Inner_1RB_Right	21.90	/	/	23.60	/	/	<=30	Pass
		Edge_1RB_Left	22.67	/	/	24.37	/	/	<=30	Pass
		Edge_1RB_Right	23.02	/	/	24.72	/	/	<=30	Pass
		Outer_Full	23.59	/	/	25.29	/	/	<=30	Pass
		Inner_Full	25.12	/	/	26.82	/	/	<=30	Pass
	3969.99	Inner_1RB_Left	24.76	/	/	26.46	/	/	<=30	Pass
		Inner_1RB_Right	25.04	/	/	26.74	/	/	<=30	Pass
		Edge_1RB_Left	22.69	/	/	24.39	/	/	<=30	Pass
		Edge_1RB_Right	23.36	/	/	25.06	/	/	<=30	Pass
		Outer_Full	23.54	/	/	25.24	/	/	<=30	Pass
	3710.01	Inner_Full	24.98	/	/	26.68	/	/	<=30	Pass
		Inner_1RB_Left	24.62	/	/	26.32	/	/	<=30	Pass
		Inner_1RB_Right	25.36	/	/	27.06	/	/	<=30	Pass
		Edge_1RB_Left	23.20	/	/	24.90	/	/	<=30	Pass
		Edge_1RB_Right	23.50	/	/	25.20	/	/	<=30	Pass
	3840	Outer_Full	23.70	/	/	25.40	/	/	<=30	Pass
		Inner_Full	24.51	/	/	26.21	/	/	<=30	Pass
		Inner_1RB_Left	24.58	/	/	26.28	/	/	<=30	Pass
		Inner_1RB_Right	24.50	/	/	26.20	/	/	<=30	Pass
		Edge_1RB_Left	23.20	/	/	24.90	/	/	<=30	Pass
	3969.99	Edge_1RB_Right	23.50	/	/	25.20	/	/	<=30	Pass
		Outer_Full	23.70	/	/	25.40	/	/	<=30	Pass
		Inner_Full	24.51	/	/	26.21	/	/	<=30	Pass
		Inner_1RB_Left	24.58	/	/	26.28	/	/	<=30	Pass
		Inner_1RB_Right	24.50	/	/	26.20	/	/	<=30	Pass

CP-OFDM 16 QAM	3710.01	Edge_1RB_Left	22.60	/	/	24.30	/	/	<=30	Pass
		Edge_1RB_Right	22.77	/	/	24.47	/	/	<=30	Pass
		Outer_Full	23.59	/	/	25.29	/	/	<=30	Pass
		Inner_Full	24.63	/	/	26.33	/	/	<=30	Pass
		Inner_1RB_Left	24.12	/	/	25.82	/	/	<=30	Pass
		Inner_1RB_Right	24.28	/	/	25.98	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.58	/	/	24.28	/	/	<=30	Pass
		Edge_1RB_Right	23.17	/	/	24.87	/	/	<=30	Pass
		Outer_Full	23.52	/	/	25.22	/	/	<=30	Pass
		Inner_Full	24.43	/	/	26.13	/	/	<=30	Pass
		Inner_1RB_Left	24.08	/	/	25.78	/	/	<=30	Pass
		Inner_1RB_Right	24.62	/	/	26.32	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.98	/	/	24.68	/	/	<=30	Pass
		Edge_1RB_Right	23.29	/	/	24.99	/	/	<=30	Pass
		Outer_Full	23.52	/	/	25.22	/	/	<=30	Pass
		Inner_Full	24.06	/	/	25.76	/	/	<=30	Pass
		Inner_1RB_Left	23.89	/	/	25.59	/	/	<=30	Pass
		Inner_1RB_Right	23.83	/	/	25.53	/	/	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge_1RB_Left	22.71	/	/	24.41	/	/	<=30	Pass
		Edge_1RB_Right	22.98	/	/	24.68	/	/	<=30	Pass
		Outer_Full	23.08	/	/	24.78	/	/	<=30	Pass
		Inner_Full	23.14	/	/	24.84	/	/	<=30	Pass
		Inner_1RB_Left	22.72	/	/	24.42	/	/	<=30	Pass
		Inner_1RB_Right	23.01	/	/	24.71	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.72	/	/	24.42	/	/	<=30	Pass
		Edge_1RB_Right	23.28	/	/	24.98	/	/	<=30	Pass
		Outer_Full	22.95	/	/	24.65	/	/	<=30	Pass
		Inner_Full	23.03	/	/	24.73	/	/	<=30	Pass
		Inner_1RB_Left	22.67	/	/	24.37	/	/	<=30	Pass
		Inner_1RB_Right	23.32	/	/	25.02	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	23.17	/	/	24.87	/	/	<=30	Pass
		Edge_1RB_Right	23.53	/	/	25.23	/	/	<=30	Pass
		Outer_Full	23.23	/	/	24.93	/	/	<=30	Pass
		Inner_Full	23.17	/	/	24.87	/	/	<=30	Pass
		Inner_1RB_Left	23.26	/	/	24.96	/	/	<=30	Pass
		Inner_1RB_Right	23.47	/	/	25.17	/	/	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge_1RB_Left	19.70	/	/	21.40	/	/	<=30	Pass
		Edge_1RB_Right	20.08	/	/	21.78	/	/	<=30	Pass
		Outer_Full	20.13	/	/	21.83	/	/	<=30	Pass
		Inner_Full	20.28	/	/	21.98	/	/	<=30	Pass
		Inner_1RB_Left	19.84	/	/	21.54	/	/	<=30	Pass
		Inner_1RB_Right	19.94	/	/	21.64	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.71	/	/	21.41	/	/	<=30	Pass
		Edge_1RB_Right	20.28	/	/	21.98	/	/	<=30	Pass
		Outer_Full	20.05	/	/	21.75	/	/	<=30	Pass
		Inner_Full	20.13	/	/	21.83	/	/	<=30	Pass
		Inner_1RB_Left	19.82	/	/	21.52	/	/	<=30	Pass
		Inner_1RB_Right	20.43	/	/	22.13	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	20.21	/	/	21.91	/	/	<=30	Pass
		Edge_1RB_Right	20.30	/	/	22.00	/	/	<=30	Pass
		Outer_Full	20.47	/	/	22.17	/	/	<=30	Pass
		Inner_Full	20.38	/	/	22.08	/	/	<=30	Pass
		Inner_1RB_Left	20.27	/	/	21.97	/	/	<=30	Pass
		Inner_1RB_Right	20.52	/	/	22.22	/	/	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 30k_SISO_30MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 30MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3715.02	Edge_1RB_Left	22.66	/	/	24.36	/	/	<=30	Pass
		Edge_1RB_Right	22.37	/	/	24.07	/	/	<=30	Pass
		Outer_Full	25.87	/	/	27.57	/	/	<=30	Pass
		Inner_Full	26.45	/	/	28.15	/	/	<=30	Pass
		Inner_1RB_Left	26.08	/	/	27.78	/	/	<=30	Pass
		Inner_1RB_Right	25.80	/	/	27.50	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.73	/	/	24.43	/	/	<=30	Pass
		Edge_1RB_Right	23.40	/	/	25.10	/	/	<=30	Pass
		Outer_Full	26.07	/	/	27.77	/	/	<=30	Pass
		Inner_Full	26.37	/	/	28.07	/	/	<=30	Pass
		Inner_1RB_Left	26.09	/	/	27.79	/	/	<=30	Pass
		Inner_1RB_Right	26.91	/	/	28.61	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	23.30	/	/	25.00	/	/	<=30	Pass
		Edge_1RB_Right	23.51	/	/	25.21	/	/	<=30	Pass
		Outer_Full	26.42	/	/	28.12	/	/	<=30	Pass
		Inner_Full	26.61	/	/	28.31	/	/	<=30	Pass
		Inner_1RB_Left	26.74	/	/	28.44	/	/	<=30	Pass
		Inner_1RB_Right	26.84	/	/	28.54	/	/	<=30	Pass
DFT-s-OFDM QPSK	3715.02	Edge_1RB_Left	22.60	/	/	24.30	/	/	<=30	Pass
		Edge_1RB_Right	22.35	/	/	24.05	/	/	<=30	Pass
		Outer_Full	25.41	/	/	27.11	/	/	<=30	Pass
		Inner_Full	26.45	/	/	28.15	/	/	<=30	Pass
		Inner_1RB_Left	26.08	/	/	27.78	/	/	<=30	Pass
		Inner_1RB_Right	25.83	/	/	27.53	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.70	/	/	24.40	/	/	<=30	Pass
		Edge_1RB_Right	23.44	/	/	25.14	/	/	<=30	Pass
		Outer_Full	25.41	/	/	27.11	/	/	<=30	Pass
		Inner_Full	26.40	/	/	28.10	/	/	<=30	Pass
		Inner_1RB_Left	26.14	/	/	27.84	/	/	<=30	Pass
		Inner_1RB_Right	26.89	/	/	28.59	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	23.21	/	/	24.91	/	/	<=30	Pass
		Edge_1RB_Right	23.41	/	/	25.11	/	/	<=30	Pass
		Outer_Full	25.82	/	/	27.52	/	/	<=30	Pass
		Inner_Full	26.58	/	/	28.28	/	/	<=30	Pass
		Inner_1RB_Left	26.43	/	/	28.13	/	/	<=30	Pass
		Inner_1RB_Right	26.52	/	/	28.22	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3715.02	Edge_1RB_Left	22.59	/	/	24.29	/	/	<=30	Pass
		Edge_1RB_Right	22.25	/	/	23.95	/	/	<=30	Pass
		Outer_Full	24.38	/	/	26.08	/	/	<=30	Pass
		Inner_Full	25.56	/	/	27.26	/	/	<=30	Pass
		Inner_1RB_Left	25.03	/	/	26.73	/	/	<=30	Pass
		Inner_1RB_Right	24.68	/	/	26.38	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.60	/	/	24.30	/	/	<=30	Pass
		Edge_1RB_Right	23.31	/	/	25.01	/	/	<=30	Pass
		Outer_Full	24.55	/	/	26.25	/	/	<=30	Pass
		Inner_Full	25.42	/	/	27.12	/	/	<=30	Pass
		Inner_1RB_Left	25.03	/	/	26.73	/	/	<=30	Pass
		Inner_1RB_Right	25.78	/	/	27.48	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	23.26	/	/	24.96	/	/	<=30	Pass
		Edge_1RB_Right	23.43	/	/	25.13	/	/	<=30	Pass
		Outer_Full	24.74	/	/	26.44	/	/	<=30	Pass
		Inner_Full	25.64	/	/	27.34	/	/	<=30	Pass
		Inner_1RB_Left	25.38	/	/	27.08	/	/	<=30	Pass
		Inner_1RB_Right	25.52	/	/	27.22	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3715.02	Edge_1RB_Left	22.68	/	/	24.38	/	/	<=30	Pass
		Edge_1RB_Right	22.50	/	/	24.20	/	/	<=30	Pass

		Outer_Full	24.04	/	/	25.74	/	/	<=30	Pass
		Inner_Full	24.15	/	/	25.85	/	/	<=30	Pass
		Inner_1RB_Left	23.61	/	/	25.31	/	/	<=30	Pass
		Inner_1RB_Right	23.32	/	/	25.02	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.57	/	/	24.27	/	/	<=30	Pass
		Edge_1RB_Right	23.35	/	/	25.05	/	/	<=30	Pass
		Outer_Full	24.08	/	/	25.78	/	/	<=30	Pass
		Inner_Full	23.94	/	/	25.64	/	/	<=30	Pass
		Inner_1RB_Left	23.73	/	/	25.43	/	/	<=30	Pass
		Inner_1RB_Right	24.45	/	/	26.15	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	23.38	/	/	25.08	/	/	<=30	Pass
		Edge_1RB_Right	23.46	/	/	25.16	/	/	<=30	Pass
		Outer_Full	24.20	/	/	25.90	/	/	<=30	Pass
		Inner_Full	24.25	/	/	25.95	/	/	<=30	Pass
		Inner_1RB_Left	24.02	/	/	25.72	/	/	<=30	Pass
		Inner_1RB_Right	24.18	/	/	25.88	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3715.02	Edge_1RB_Left	21.69	/	/	23.39	/	/	<=30	Pass
		Edge_1RB_Right	21.34	/	/	23.04	/	/	<=30	Pass
		Outer_Full	22.01	/	/	23.71	/	/	<=30	Pass
		Inner_Full	21.92	/	/	23.62	/	/	<=30	Pass
		Inner_1RB_Left	21.70	/	/	23.40	/	/	<=30	Pass
		Inner_1RB_Right	21.25	/	/	22.95	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.77	/	/	23.47	/	/	<=30	Pass
		Edge_1RB_Right	22.49	/	/	24.19	/	/	<=30	Pass
		Outer_Full	22.18	/	/	23.88	/	/	<=30	Pass
		Inner_Full	21.89	/	/	23.59	/	/	<=30	Pass
		Inner_1RB_Left	21.71	/	/	23.41	/	/	<=30	Pass
		Inner_1RB_Right	22.39	/	/	24.09	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.39	/	/	24.09	/	/	<=30	Pass
		Edge_1RB_Right	22.50	/	/	24.20	/	/	<=30	Pass
		Outer_Full	22.45	/	/	24.15	/	/	<=30	Pass
		Inner_Full	22.33	/	/	24.03	/	/	<=30	Pass
		Inner_1RB_Left	22.38	/	/	24.08	/	/	<=30	Pass
		Inner_1RB_Right	22.27	/	/	23.97	/	/	<=30	Pass
CP-OFDM QPSK	3715.02	Edge_1RB_Left	22.64	/	/	24.34	/	/	<=30	Pass
		Edge_1RB_Right	22.45	/	/	24.15	/	/	<=30	Pass
		Outer_Full	23.40	/	/	25.10	/	/	<=30	Pass
		Inner_Full	25.03	/	/	26.73	/	/	<=30	Pass
		Inner_1RB_Left	24.58	/	/	26.28	/	/	<=30	Pass
		Inner_1RB_Right	24.37	/	/	26.07	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.76	/	/	24.46	/	/	<=30	Pass
		Edge_1RB_Right	23.50	/	/	25.20	/	/	<=30	Pass
		Outer_Full	23.43	/	/	25.13	/	/	<=30	Pass
		Inner_Full	24.98	/	/	26.68	/	/	<=30	Pass
		Inner_1RB_Left	24.73	/	/	26.43	/	/	<=30	Pass
		Inner_1RB_Right	25.46	/	/	27.16	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	23.35	/	/	25.05	/	/	<=30	Pass
		Edge_1RB_Right	23.48	/	/	25.18	/	/	<=30	Pass
		Outer_Full	23.93	/	/	25.63	/	/	<=30	Pass
		Inner_Full	25.02	/	/	26.72	/	/	<=30	Pass
		Inner_1RB_Left	25.03	/	/	26.73	/	/	<=30	Pass
		Inner_1RB_Right	25.03	/	/	26.73	/	/	<=30	Pass
CP-OFDM 16 QAM	3715.02	Edge_1RB_Left	22.50	/	/	24.20	/	/	<=30	Pass
		Edge_1RB_Right	22.35	/	/	24.05	/	/	<=30	Pass
		Outer_Full	23.44	/	/	25.14	/	/	<=30	Pass
		Inner_Full	24.53	/	/	26.23	/	/	<=30	Pass
		Inner_1RB_Left	23.94	/	/	25.64	/	/	<=30	Pass
		Inner_1RB_Right	23.66	/	/	25.36	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.65	/	/	24.35	/	/	<=30	Pass

		Edge 1RB Right	23.44	/	/	25.14	/	/	<=30	Pass
		Outer_Full	23.50	/	/	25.20	/	/	<=30	Pass
		Inner_Full	24.41	/	/	26.11	/	/	<=30	Pass
		Inner_1RB_Left	24.16	/	/	25.86	/	/	<=30	Pass
		Inner_1RB_Right	24.80	/	/	26.50	/	/	<=30	Pass
	3964.98	Edge 1RB Left	23.24	/	/	24.94	/	/	<=30	Pass
		Edge 1RB Right	23.32	/	/	25.02	/	/	<=30	Pass
		Outer_Full	23.86	/	/	25.56	/	/	<=30	Pass
		Inner_Full	24.61	/	/	26.31	/	/	<=30	Pass
		Inner_1RB_Left	24.36	/	/	26.06	/	/	<=30	Pass
	Inner_1RB_Right	24.37	/	/	26.07	/	/	<=30	Pass	
CP-OFDM 64 QAM	3715.02	Edge 1RB Left	22.66	/	/	24.36	/	/	<=30	Pass
		Edge 1RB Right	22.43	/	/	24.13	/	/	<=30	Pass
		Outer_Full	22.98	/	/	24.68	/	/	<=30	Pass
		Inner_Full	23.10	/	/	24.80	/	/	<=30	Pass
		Inner_1RB_Left	22.79	/	/	24.49	/	/	<=30	Pass
		Inner_1RB_Right	22.47	/	/	24.17	/	/	<=30	Pass
	3840	Edge 1RB Left	22.74	/	/	24.44	/	/	<=30	Pass
		Edge 1RB Right	23.40	/	/	25.10	/	/	<=30	Pass
		Outer_Full	23.03	/	/	24.73	/	/	<=30	Pass
		Inner_Full	22.93	/	/	24.63	/	/	<=30	Pass
		Inner_1RB_Left	22.88	/	/	24.58	/	/	<=30	Pass
		Inner_1RB_Right	23.42	/	/	25.12	/	/	<=30	Pass
	3964.98	Edge 1RB Left	23.19	/	/	24.89	/	/	<=30	Pass
		Edge 1RB Right	23.48	/	/	25.18	/	/	<=30	Pass
		Outer_Full	23.36	/	/	25.06	/	/	<=30	Pass
		Inner_Full	23.37	/	/	25.07	/	/	<=30	Pass
		Inner_1RB_Left	23.46	/	/	25.16	/	/	<=30	Pass
		Inner_1RB_Right	23.36	/	/	25.06	/	/	<=30	Pass
CP-OFDM 256 QAM	3715.02	Edge 1RB Left	19.68	/	/	21.38	/	/	<=30	Pass
		Edge 1RB Right	19.63	/	/	21.33	/	/	<=30	Pass
		Outer_Full	20.12	/	/	21.82	/	/	<=30	Pass
		Inner_Full	20.07	/	/	21.77	/	/	<=30	Pass
		Inner_1RB_Left	19.70	/	/	21.40	/	/	<=30	Pass
		Inner_1RB_Right	19.32	/	/	21.02	/	/	<=30	Pass
	3840	Edge 1RB Left	19.81	/	/	21.51	/	/	<=30	Pass
		Edge 1RB Right	20.52	/	/	22.22	/	/	<=30	Pass
		Outer_Full	20.20	/	/	21.90	/	/	<=30	Pass
		Inner_Full	19.93	/	/	21.63	/	/	<=30	Pass
		Inner_1RB_Left	19.77	/	/	21.47	/	/	<=30	Pass
		Inner_1RB_Right	20.38	/	/	22.08	/	/	<=30	Pass
	3964.98	Edge 1RB Left	20.35	/	/	22.05	/	/	<=30	Pass
		Edge 1RB Right	20.44	/	/	22.14	/	/	<=30	Pass
		Outer_Full	20.52	/	/	22.22	/	/	<=30	Pass
Inner_Full		20.31	/	/	22.01	/	/	<=30	Pass	
Inner_1RB_Left		20.39	/	/	22.09	/	/	<=30	Pass	
	Inner_1RB_Right	20.51	/	/	22.21	/	/	<=30	Pass	
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 30k_SISO_40MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3720	Edge 1RB Left	22.82	/	/	24.52	/	/	<=30	Pass
		Edge 1RB Right	22.45	/	/	24.15	/	/	<=30	Pass
		Outer_Full	25.83	/	/	27.53	/	/	<=30	Pass

		Inner_Full	26.30	/	/	28.00	/	/	<=30	Pass
		Inner_1RB_Left	26.37	/	/	28.07	/	/	<=30	Pass
		Inner_1RB_Right	25.84	/	/	27.54	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.87	/	/	24.57	/	/	<=30	Pass
		Edge_1RB_Right	23.50	/	/	25.20	/	/	<=30	Pass
		Outer_Full	25.99	/	/	27.69	/	/	<=30	Pass
		Inner_Full	26.44	/	/	28.14	/	/	<=30	Pass
		Inner_1RB_Left	26.34	/	/	28.04	/	/	<=30	Pass
		Inner_1RB_Right	27.02	/	/	28.72	/	/	<=30	Pass
	3960	Edge_1RB_Left	23.43	/	/	25.13	/	/	<=30	Pass
		Edge_1RB_Right	23.38	/	/	25.08	/	/	<=30	Pass
		Outer_Full	26.38	/	/	28.08	/	/	<=30	Pass
		Inner_Full	26.61	/	/	28.31	/	/	<=30	Pass
		Inner_1RB_Left	26.88	/	/	28.58	/	/	<=30	Pass
		Inner_1RB_Right	26.81	/	/	28.51	/	/	<=30	Pass
DFT-s-OFDM QPSK	3720	Edge_1RB_Left	22.66	/	/	24.36	/	/	<=30	Pass
		Edge_1RB_Right	22.41	/	/	24.11	/	/	<=30	Pass
		Outer_Full	25.31	/	/	27.01	/	/	<=30	Pass
		Inner_Full	26.36	/	/	28.06	/	/	<=30	Pass
		Inner_1RB_Left	26.19	/	/	27.89	/	/	<=30	Pass
		Inner_1RB_Right	25.80	/	/	27.50	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.84	/	/	24.54	/	/	<=30	Pass
		Edge_1RB_Right	23.39	/	/	25.09	/	/	<=30	Pass
		Outer_Full	25.43	/	/	27.13	/	/	<=30	Pass
		Inner_Full	26.43	/	/	28.13	/	/	<=30	Pass
		Inner_1RB_Left	26.33	/	/	28.03	/	/	<=30	Pass
		Inner_1RB_Right	26.95	/	/	28.65	/	/	<=30	Pass
	3960	Edge_1RB_Left	23.40	/	/	25.10	/	/	<=30	Pass
		Edge_1RB_Right	23.30	/	/	25.00	/	/	<=30	Pass
		Outer_Full	25.76	/	/	27.46	/	/	<=30	Pass
		Inner_Full	26.52	/	/	28.22	/	/	<=30	Pass
		Inner_1RB_Left	26.26	/	/	27.96	/	/	<=30	Pass
		Inner_1RB_Right	26.30	/	/	28.00	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3720	Edge_1RB_Left	22.63	/	/	24.33	/	/	<=30	Pass
		Edge_1RB_Right	22.47	/	/	24.17	/	/	<=30	Pass
		Outer_Full	24.25	/	/	25.95	/	/	<=30	Pass
		Inner_Full	25.37	/	/	27.07	/	/	<=30	Pass
		Inner_1RB_Left	25.13	/	/	26.83	/	/	<=30	Pass
		Inner_1RB_Right	24.75	/	/	26.45	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.76	/	/	24.46	/	/	<=30	Pass
		Edge_1RB_Right	23.47	/	/	25.17	/	/	<=30	Pass
		Outer_Full	24.49	/	/	26.19	/	/	<=30	Pass
		Inner_Full	25.44	/	/	27.14	/	/	<=30	Pass
		Inner_1RB_Left	25.20	/	/	26.90	/	/	<=30	Pass
		Inner_1RB_Right	25.82	/	/	27.52	/	/	<=30	Pass
	3960	Edge_1RB_Left	23.47	/	/	25.17	/	/	<=30	Pass
		Edge_1RB_Right	23.42	/	/	25.12	/	/	<=30	Pass
		Outer_Full	24.55	/	/	26.25	/	/	<=30	Pass
		Inner_Full	25.60	/	/	27.30	/	/	<=30	Pass
		Inner_1RB_Left	25.19	/	/	26.89	/	/	<=30	Pass
		Inner_1RB_Right	25.22	/	/	26.92	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Edge_1RB_Left	22.85	/	/	24.55	/	/	<=30	Pass
		Edge_1RB_Right	22.38	/	/	24.08	/	/	<=30	Pass
		Outer_Full	23.81	/	/	25.51	/	/	<=30	Pass
		Inner_Full	23.87	/	/	25.57	/	/	<=30	Pass
		Inner_1RB_Left	23.84	/	/	25.54	/	/	<=30	Pass
		Inner_1RB_Right	23.33	/	/	25.03	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.99	/	/	24.69	/	/	<=30	Pass
		Edge_1RB_Right	23.50	/	/	25.20	/	/	<=30	Pass

		Outer_Full	24.01	/	/	25.71	/	/	<=30	Pass
		Inner_Full	23.94	/	/	25.64	/	/	<=30	Pass
		Inner_1RB_Left	23.95	/	/	25.65	/	/	<=30	Pass
		Inner_1RB_Right	24.52	/	/	26.22	/	/	<=30	Pass
	3960	Edge_1RB_Left	23.43	/	/	25.13	/	/	<=30	Pass
		Edge_1RB_Right	23.42	/	/	25.12	/	/	<=30	Pass
		Outer_Full	24.12	/	/	25.82	/	/	<=30	Pass
		Inner_Full	24.13	/	/	25.83	/	/	<=30	Pass
		Inner_1RB_Left	23.94	/	/	25.64	/	/	<=30	Pass
		Inner_1RB_Right	23.85	/	/	25.55	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3720	Edge_1RB_Left	21.98	/	/	23.68	/	/	<=30	Pass
		Edge_1RB_Right	21.42	/	/	23.12	/	/	<=30	Pass
		Outer_Full	21.89	/	/	23.59	/	/	<=30	Pass
		Inner_Full	22.06	/	/	23.76	/	/	<=30	Pass
		Inner_1RB_Left	21.88	/	/	23.58	/	/	<=30	Pass
		Inner_1RB_Right	21.39	/	/	23.09	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.96	/	/	23.66	/	/	<=30	Pass
		Edge_1RB_Right	22.52	/	/	24.22	/	/	<=30	Pass
		Outer_Full	21.91	/	/	23.61	/	/	<=30	Pass
		Inner_Full	21.86	/	/	23.56	/	/	<=30	Pass
		Inner_1RB_Left	21.81	/	/	23.51	/	/	<=30	Pass
		Inner_1RB_Right	22.52	/	/	24.22	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.30	/	/	24.00	/	/	<=30	Pass
		Edge_1RB_Right	22.33	/	/	24.03	/	/	<=30	Pass
		Outer_Full	22.47	/	/	24.17	/	/	<=30	Pass
		Inner_Full	22.25	/	/	23.95	/	/	<=30	Pass
		Inner_1RB_Left	22.38	/	/	24.08	/	/	<=30	Pass
		Inner_1RB_Right	22.34	/	/	24.04	/	/	<=30	Pass
CP-OFDM QPSK	3720	Edge_1RB_Left	22.93	/	/	24.63	/	/	<=30	Pass
		Edge_1RB_Right	22.54	/	/	24.24	/	/	<=30	Pass
		Outer_Full	23.38	/	/	25.08	/	/	<=30	Pass
		Inner_Full	24.95	/	/	26.65	/	/	<=30	Pass
		Inner_1RB_Left	24.79	/	/	26.49	/	/	<=30	Pass
		Inner_1RB_Right	24.38	/	/	26.08	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.94	/	/	24.64	/	/	<=30	Pass
		Edge_1RB_Right	23.58	/	/	25.28	/	/	<=30	Pass
		Outer_Full	23.61	/	/	25.31	/	/	<=30	Pass
		Inner_Full	24.99	/	/	26.69	/	/	<=30	Pass
		Inner_1RB_Left	24.87	/	/	26.57	/	/	<=30	Pass
		Inner_1RB_Right	25.60	/	/	27.30	/	/	<=30	Pass
	3960	Edge_1RB_Left	23.44	/	/	25.14	/	/	<=30	Pass
		Edge_1RB_Right	23.49	/	/	25.19	/	/	<=30	Pass
		Outer_Full	23.88	/	/	25.58	/	/	<=30	Pass
		Inner_Full	24.93	/	/	26.63	/	/	<=30	Pass
		Inner_1RB_Left	24.89	/	/	26.59	/	/	<=30	Pass
		Inner_1RB_Right	24.92	/	/	26.62	/	/	<=30	Pass
CP-OFDM 16 QAM	3720	Edge_1RB_Left	22.79	/	/	24.49	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	23.97	/	/	<=30	Pass
		Outer_Full	23.23	/	/	24.93	/	/	<=30	Pass
		Inner_Full	24.33	/	/	26.03	/	/	<=30	Pass
		Inner_1RB_Left	24.16	/	/	25.86	/	/	<=30	Pass
		Inner_1RB_Right	23.67	/	/	25.37	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.84	/	/	24.54	/	/	<=30	Pass
		Edge_1RB_Right	23.51	/	/	25.21	/	/	<=30	Pass
		Outer_Full	23.54	/	/	25.24	/	/	<=30	Pass
		Inner_Full	24.41	/	/	26.11	/	/	<=30	Pass
		Inner_1RB_Left	24.29	/	/	25.99	/	/	<=30	Pass
		Inner_1RB_Right	24.89	/	/	26.59	/	/	<=30	Pass
	3960	Edge_1RB_Left	23.37	/	/	25.07	/	/	<=30	Pass

		Edge 1RB Right	23.37	/	/	25.07	/	/	<=30	Pass
		Outer Full	23.72	/	/	25.42	/	/	<=30	Pass
		Inner Full	24.54	/	/	26.24	/	/	<=30	Pass
		Inner_1RB_Left	24.18	/	/	25.88	/	/	<=30	Pass
		Inner_1RB_Right	24.26	/	/	25.96	/	/	<=30	Pass
CP-OFDM 64 QAM	3720	Edge 1RB Left	22.92	/	/	24.62	/	/	<=30	Pass
		Edge 1RB Right	22.45	/	/	24.15	/	/	<=30	Pass
		Outer Full	22.78	/	/	24.48	/	/	<=30	Pass
		Inner Full	22.74	/	/	24.44	/	/	<=30	Pass
		Inner_1RB_Left	23.02	/	/	24.72	/	/	<=30	Pass
		Inner_1RB_Right	22.60	/	/	24.30	/	/	<=30	Pass
	3840	Edge 1RB Left	22.93	/	/	24.63	/	/	<=30	Pass
		Edge 1RB Right	23.63	/	/	25.33	/	/	<=30	Pass
		Outer Full	23.04	/	/	24.74	/	/	<=30	Pass
		Inner Full	22.97	/	/	24.67	/	/	<=30	Pass
		Inner_1RB_Left	22.95	/	/	24.65	/	/	<=30	Pass
		Inner_1RB_Right	23.61	/	/	25.31	/	/	<=30	Pass
	3960	Edge 1RB Left	23.54	/	/	25.24	/	/	<=30	Pass
		Edge 1RB Right	23.55	/	/	25.25	/	/	<=30	Pass
		Outer Full	23.27	/	/	24.97	/	/	<=30	Pass
Inner Full		23.22	/	/	24.92	/	/	<=30	Pass	
Inner_1RB_Left		23.52	/	/	25.22	/	/	<=30	Pass	
Inner_1RB_Right		23.53	/	/	25.23	/	/	<=30	Pass	
CP-OFDM 256 QAM	3720	Edge 1RB Left	12.81	/	/	14.51	/	/	<=30	Pass
		Edge 1RB Right	19.73	/	/	21.43	/	/	<=30	Pass
		Outer Full	19.91	/	/	21.61	/	/	<=30	Pass
		Inner Full	20.00	/	/	21.70	/	/	<=30	Pass
		Inner_1RB_Left	19.98	/	/	21.68	/	/	<=30	Pass
		Inner_1RB_Right	19.59	/	/	21.29	/	/	<=30	Pass
	3840	Edge 1RB Left	20.09	/	/	21.79	/	/	<=30	Pass
		Edge 1RB Right	20.61	/	/	22.31	/	/	<=30	Pass
		Outer Full	20.04	/	/	21.74	/	/	<=30	Pass
		Inner Full	19.97	/	/	21.67	/	/	<=30	Pass
		Inner_1RB_Left	20.02	/	/	21.72	/	/	<=30	Pass
		Inner_1RB_Right	20.57	/	/	22.27	/	/	<=30	Pass
	3960	Edge 1RB Left	20.45	/	/	22.15	/	/	<=30	Pass
		Edge 1RB Right	20.42	/	/	22.12	/	/	<=30	Pass
		Outer Full	20.42	/	/	22.12	/	/	<=30	Pass
Inner Full		20.36	/	/	22.06	/	/	<=30	Pass	
Inner_1RB_Left		20.37	/	/	22.07	/	/	<=30	Pass	
Inner_1RB_Right		20.61	/	/	22.31	/	/	<=30	Pass	
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 30k_SISO_60MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Edge 1RB Left	22.48	/	/	24.18	/	/	<=30	Pass
		Edge 1RB Right	22.84	/	/	24.54	/	/	<=30	Pass
		Outer Full	25.58	/	/	27.28	/	/	<=30	Pass
		Inner Full	25.76	/	/	27.46	/	/	<=30	Pass
		Inner 1RB Left	26.00	/	/	27.70	/	/	<=30	Pass
	3840	Inner 1RB Right	26.27	/	/	27.97	/	/	<=30	Pass
		Edge 1RB Left	22.76	/	/	24.46	/	/	<=30	Pass
		Edge 1RB Right	23.39	/	/	25.09	/	/	<=30	Pass
		Outer Full	25.96	/	/	27.66	/	/	<=30	Pass

		Inner_Full	26.26	/	/	27.96	/	/	<=30	Pass
		Inner_1RB_Left	26.13	/	/	27.83	/	/	<=30	Pass
		Inner_1RB_Right	26.77	/	/	28.47	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	23.39	/	/	25.09	/	/	<=30	Pass
		Edge_1RB_Right	23.24	/	/	24.94	/	/	<=30	Pass
		Outer_Full	26.20	/	/	27.90	/	/	<=30	Pass
		Inner_Full	26.65	/	/	28.35	/	/	<=30	Pass
		Inner_1RB_Left	26.86	/	/	28.56	/	/	<=30	Pass
		Inner_1RB_Right	26.61	/	/	28.31	/	/	<=30	Pass
DFT-s-OFDM QPSK	3730.02	Edge_1RB_Left	22.37	/	/	24.07	/	/	<=30	Pass
		Edge_1RB_Right	22.73	/	/	24.43	/	/	<=30	Pass
		Outer_Full	25.08	/	/	26.78	/	/	<=30	Pass
		Inner_Full	25.81	/	/	27.51	/	/	<=30	Pass
		Inner_1RB_Left	25.98	/	/	27.68	/	/	<=30	Pass
		Inner_1RB_Right	26.23	/	/	27.93	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.62	/	/	24.32	/	/	<=30	Pass
		Edge_1RB_Right	23.26	/	/	24.96	/	/	<=30	Pass
		Outer_Full	25.35	/	/	27.05	/	/	<=30	Pass
		Inner_Full	26.20	/	/	27.90	/	/	<=30	Pass
		Inner_1RB_Left	26.11	/	/	27.81	/	/	<=30	Pass
		Inner_1RB_Right	26.72	/	/	28.42	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	23.31	/	/	25.01	/	/	<=30	Pass
		Edge_1RB_Right	23.11	/	/	24.81	/	/	<=30	Pass
		Outer_Full	25.68	/	/	27.38	/	/	<=30	Pass
		Inner_Full	26.68	/	/	28.38	/	/	<=30	Pass
		Inner_1RB_Left	26.80	/	/	28.50	/	/	<=30	Pass
		Inner_1RB_Right	26.55	/	/	28.25	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3730.02	Edge_1RB_Left	22.49	/	/	24.19	/	/	<=30	Pass
		Edge_1RB_Right	22.69	/	/	24.39	/	/	<=30	Pass
		Outer_Full	24.03	/	/	25.73	/	/	<=30	Pass
		Inner_Full	24.87	/	/	26.57	/	/	<=30	Pass
		Inner_1RB_Left	24.80	/	/	26.50	/	/	<=30	Pass
		Inner_1RB_Right	25.12	/	/	26.82	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.50	/	/	24.20	/	/	<=30	Pass
		Edge_1RB_Right	23.15	/	/	24.85	/	/	<=30	Pass
		Outer_Full	24.34	/	/	26.04	/	/	<=30	Pass
		Inner_Full	25.18	/	/	26.88	/	/	<=30	Pass
		Inner_1RB_Left	24.99	/	/	26.69	/	/	<=30	Pass
		Inner_1RB_Right	25.68	/	/	27.38	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	23.28	/	/	24.98	/	/	<=30	Pass
		Edge_1RB_Right	23.02	/	/	24.72	/	/	<=30	Pass
		Outer_Full	24.69	/	/	26.39	/	/	<=30	Pass
		Inner_Full	25.65	/	/	27.35	/	/	<=30	Pass
		Inner_1RB_Left	25.70	/	/	27.40	/	/	<=30	Pass
		Inner_1RB_Right	25.47	/	/	27.17	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3730.02	Edge_1RB_Left	22.55	/	/	24.25	/	/	<=30	Pass
		Edge_1RB_Right	22.81	/	/	24.51	/	/	<=30	Pass
		Outer_Full	23.56	/	/	25.26	/	/	<=30	Pass
		Inner_Full	23.41	/	/	25.11	/	/	<=30	Pass
		Inner_1RB_Left	23.53	/	/	25.23	/	/	<=30	Pass
		Inner_1RB_Right	23.76	/	/	25.46	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.66	/	/	24.36	/	/	<=30	Pass
		Edge_1RB_Right	23.41	/	/	25.11	/	/	<=30	Pass
		Outer_Full	23.89	/	/	25.59	/	/	<=30	Pass
		Inner_Full	23.73	/	/	25.43	/	/	<=30	Pass
		Inner_1RB_Left	23.61	/	/	25.31	/	/	<=30	Pass
		Inner_1RB_Right	24.26	/	/	25.96	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	23.43	/	/	25.13	/	/	<=30	Pass
		Edge_1RB_Right	23.14	/	/	24.84	/	/	<=30	Pass

		Outer_Full	24.26	/	/	25.96	/	/	<=30	Pass
		Inner_Full	24.19	/	/	25.89	/	/	<=30	Pass
		Inner_1RB_Left	24.28	/	/	25.98	/	/	<=30	Pass
		Inner_1RB_Right	24.20	/	/	25.90	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Edge_1RB_Left	21.55	/	/	23.25	/	/	<=30	Pass
		Edge_1RB_Right	21.78	/	/	23.48	/	/	<=30	Pass
		Outer_Full	21.69	/	/	23.39	/	/	<=30	Pass
		Inner_Full	21.45	/	/	23.15	/	/	<=30	Pass
		Inner_1RB_Left	21.53	/	/	23.23	/	/	<=30	Pass
		Inner_1RB_Right	21.75	/	/	23.45	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.70	/	/	23.40	/	/	<=30	Pass
		Edge_1RB_Right	22.30	/	/	24.00	/	/	<=30	Pass
		Outer_Full	21.94	/	/	23.64	/	/	<=30	Pass
		Inner_Full	21.77	/	/	23.47	/	/	<=30	Pass
		Inner_1RB_Left	21.66	/	/	23.36	/	/	<=30	Pass
		Inner_1RB_Right	22.37	/	/	24.07	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	22.37	/	/	24.07	/	/	<=30	Pass
		Edge_1RB_Right	21.97	/	/	23.67	/	/	<=30	Pass
		Outer_Full	22.32	/	/	24.02	/	/	<=30	Pass
		Inner_Full	22.18	/	/	23.88	/	/	<=30	Pass
		Inner_1RB_Left	22.48	/	/	24.18	/	/	<=30	Pass
		Inner_1RB_Right	21.99	/	/	23.69	/	/	<=30	Pass
CP-OFDM QPSK	3730.02	Edge_1RB_Left	22.49	/	/	24.19	/	/	<=30	Pass
		Edge_1RB_Right	22.72	/	/	24.42	/	/	<=30	Pass
		Outer_Full	23.03	/	/	24.73	/	/	<=30	Pass
		Inner_Full	24.36	/	/	26.06	/	/	<=30	Pass
		Inner_1RB_Left	24.39	/	/	26.09	/	/	<=30	Pass
		Inner_1RB_Right	24.81	/	/	26.51	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.66	/	/	24.36	/	/	<=30	Pass
		Edge_1RB_Right	23.48	/	/	25.18	/	/	<=30	Pass
		Outer_Full	23.48	/	/	25.18	/	/	<=30	Pass
		Inner_Full	24.76	/	/	26.46	/	/	<=30	Pass
		Inner_1RB_Left	24.65	/	/	26.35	/	/	<=30	Pass
		Inner_1RB_Right	25.36	/	/	27.06	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	23.43	/	/	25.13	/	/	<=30	Pass
		Edge_1RB_Right	23.19	/	/	24.89	/	/	<=30	Pass
		Outer_Full	23.83	/	/	25.53	/	/	<=30	Pass
		Inner_Full	25.19	/	/	26.89	/	/	<=30	Pass
		Inner_1RB_Left	25.39	/	/	27.09	/	/	<=30	Pass
		Inner_1RB_Right	25.17	/	/	26.87	/	/	<=30	Pass
CP-OFDM 16 QAM	3730.02	Edge_1RB_Left	22.24	/	/	23.94	/	/	<=30	Pass
		Edge_1RB_Right	22.63	/	/	24.33	/	/	<=30	Pass
		Outer_Full	22.87	/	/	24.57	/	/	<=30	Pass
		Inner_Full	23.79	/	/	25.49	/	/	<=30	Pass
		Inner_1RB_Left	23.76	/	/	25.46	/	/	<=30	Pass
		Inner_1RB_Right	24.11	/	/	25.81	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.51	/	/	24.21	/	/	<=30	Pass
		Edge_1RB_Right	23.15	/	/	24.85	/	/	<=30	Pass
		Outer_Full	23.36	/	/	25.06	/	/	<=30	Pass
		Inner_Full	24.24	/	/	25.94	/	/	<=30	Pass
		Inner_1RB_Left	24.07	/	/	25.77	/	/	<=30	Pass
		Inner_1RB_Right	24.67	/	/	26.37	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	23.29	/	/	24.99	/	/	<=30	Pass
		Edge_1RB_Right	22.97	/	/	24.67	/	/	<=30	Pass
		Outer_Full	23.51	/	/	25.21	/	/	<=30	Pass
		Inner_Full	24.65	/	/	26.35	/	/	<=30	Pass
		Inner_1RB_Left	24.74	/	/	26.44	/	/	<=30	Pass
		Inner_1RB_Right	24.56	/	/	26.26	/	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge_1RB_Left	22.54	/	/	24.24	/	/	<=30	Pass

		Edge 1RB Right	22.82	/	/	24.52	/	/	<=30	Pass
		Outer_Full	22.55	/	/	24.25	/	/	<=30	Pass
		Inner_Full	22.37	/	/	24.07	/	/	<=30	Pass
		Inner_1RB_Left	22.58	/	/	24.28	/	/	<=30	Pass
		Inner_1RB_Right	22.80	/	/	24.50	/	/	<=30	Pass
	3840	Edge 1RB Left	22.61	/	/	24.31	/	/	<=30	Pass
		Edge 1RB Right	23.29	/	/	24.99	/	/	<=30	Pass
		Outer_Full	22.87	/	/	24.57	/	/	<=30	Pass
		Inner_Full	22.78	/	/	24.48	/	/	<=30	Pass
		Inner_1RB Left	22.66	/	/	24.36	/	/	<=30	Pass
	3949.98	Inner_1RB Right	23.25	/	/	24.95	/	/	<=30	Pass
		Edge 1RB Left	23.35	/	/	25.05	/	/	<=30	Pass
		Edge 1RB Right	23.29	/	/	24.99	/	/	<=30	Pass
		Outer_Full	23.24	/	/	24.94	/	/	<=30	Pass
		Inner_Full	23.18	/	/	24.88	/	/	<=30	Pass
CP-OFDM 256 QAM	3730.02	Inner_1RB Left	23.56	/	/	25.26	/	/	<=30	Pass
		Inner_1RB Right	23.28	/	/	24.98	/	/	<=30	Pass
		Edge 1RB Left	19.51	/	/	21.21	/	/	<=30	Pass
		Edge 1RB Right	19.79	/	/	21.49	/	/	<=30	Pass
		Outer_Full	19.74	/	/	21.44	/	/	<=30	Pass
	3840	Inner_Full	19.35	/	/	21.05	/	/	<=30	Pass
		Inner_1RB Left	19.60	/	/	21.30	/	/	<=30	Pass
		Inner_1RB Right	19.73	/	/	21.43	/	/	<=30	Pass
		Edge 1RB Left	19.89	/	/	21.59	/	/	<=30	Pass
		Edge 1RB Right	20.40	/	/	22.10	/	/	<=30	Pass
	3949.98	Outer_Full	19.98	/	/	21.68	/	/	<=30	Pass
		Inner_Full	19.75	/	/	21.45	/	/	<=30	Pass
		Inner_1RB Left	19.91	/	/	21.61	/	/	<=30	Pass
		Inner_1RB Right	20.41	/	/	22.11	/	/	<=30	Pass
		Edge 1RB Left	20.43	/	/	22.13	/	/	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

1.1.5 30k_SISO_80MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 80MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3740.01	Edge 1RB Left	22.18	/	/	23.88	/	/	<=30	Pass
		Edge 1RB Right	22.33	/	/	24.03	/	/	<=30	Pass
		Outer Full	25.40	/	/	27.10	/	/	<=30	Pass
		Inner Full	25.76	/	/	27.46	/	/	<=30	Pass
		Inner 1RB Left	25.73	/	/	27.43	/	/	<=30	Pass
		Inner 1RB Right	25.92	/	/	27.62	/	/	<=30	Pass
	3840	Edge 1RB Left	22.40	/	/	24.10	/	/	<=30	Pass
		Edge 1RB Right	23.04	/	/	24.74	/	/	<=30	Pass
		Outer Full	25.74	/	/	27.44	/	/	<=30	Pass
		Inner Full	26.09	/	/	27.79	/	/	<=30	Pass
		Inner 1RB Left	25.95	/	/	27.65	/	/	<=30	Pass
		Inner 1RB Right	26.45	/	/	28.15	/	/	<=30	Pass
	3939.99	Edge 1RB Left	22.72	/	/	24.42	/	/	<=30	Pass
		Edge 1RB Right	22.92	/	/	24.62	/	/	<=30	Pass
		Outer Full	26.09	/	/	27.79	/	/	<=30	Pass

		Inner_Full	26.60	/	/	28.30	/	/	<=30	Pass
		Inner_1RB_Left	26.17	/	/	27.87	/	/	<=30	Pass
		Inner_1RB_Right	26.40	/	/	28.10	/	/	<=30	Pass
DFT-s-OFDM QPSK	3740.01	Edge_1RB_Left	22.16	/	/	23.86	/	/	<=30	Pass
		Edge_1RB_Right	22.41	/	/	24.11	/	/	<=30	Pass
		Outer_Full	24.91	/	/	26.61	/	/	<=30	Pass
		Inner_Full	25.78	/	/	27.48	/	/	<=30	Pass
		Inner_1RB_Left	25.65	/	/	27.35	/	/	<=30	Pass
		Inner_1RB_Right	25.81	/	/	27.51	/	/	<=30	Pass
		Edge_1RB_Left	22.39	/	/	24.09	/	/	<=30	Pass
		Edge_1RB_Right	22.93	/	/	24.63	/	/	<=30	Pass
	3840	Outer_Full	25.29	/	/	26.99	/	/	<=30	Pass
		Inner_Full	26.10	/	/	27.80	/	/	<=30	Pass
		Inner_1RB_Left	25.84	/	/	27.54	/	/	<=30	Pass
		Inner_1RB_Right	26.41	/	/	28.11	/	/	<=30	Pass
		Edge_1RB_Left	22.84	/	/	24.54	/	/	<=30	Pass
		Edge_1RB_Right	22.87	/	/	24.57	/	/	<=30	Pass
	3939.99	Outer_Full	25.52	/	/	27.22	/	/	<=30	Pass
		Inner_Full	26.58	/	/	28.28	/	/	<=30	Pass
		Inner_1RB_Left	26.21	/	/	27.91	/	/	<=30	Pass
		Inner_1RB_Right	26.34	/	/	28.04	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Edge_1RB_Left	22.13	/	/	23.83	/	/	<=30	Pass
		Edge_1RB_Right	22.28	/	/	23.98	/	/	<=30	Pass
		Outer_Full	24.04	/	/	25.74	/	/	<=30	Pass
		Inner_Full	24.76	/	/	26.46	/	/	<=30	Pass
		Inner_1RB_Left	24.54	/	/	26.24	/	/	<=30	Pass
		Inner_1RB_Right	24.78	/	/	26.48	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.31	/	/	24.01	/	/	<=30	Pass
		Edge_1RB_Right	23.03	/	/	24.73	/	/	<=30	Pass
		Outer_Full	24.20	/	/	25.90	/	/	<=30	Pass
		Inner_Full	25.07	/	/	26.77	/	/	<=30	Pass
		Inner_1RB_Left	24.77	/	/	26.47	/	/	<=30	Pass
		Inner_1RB_Right	25.39	/	/	27.09	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	22.49	/	/	24.19	/	/	<=30	Pass
		Edge_1RB_Right	22.81	/	/	24.51	/	/	<=30	Pass
		Outer_Full	24.68	/	/	26.38	/	/	<=30	Pass
		Inner_Full	25.64	/	/	27.34	/	/	<=30	Pass
		Inner_1RB_Left	25.06	/	/	26.76	/	/	<=30	Pass
		Inner_1RB_Right	25.23	/	/	26.93	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Edge_1RB_Left	22.29	/	/	23.99	/	/	<=30	Pass
		Edge_1RB_Right	22.39	/	/	24.09	/	/	<=30	Pass
		Outer_Full	23.49	/	/	25.19	/	/	<=30	Pass
		Inner_Full	23.32	/	/	25.02	/	/	<=30	Pass
		Inner_1RB_Left	23.28	/	/	24.98	/	/	<=30	Pass
		Inner_1RB_Right	23.35	/	/	25.05	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.44	/	/	24.14	/	/	<=30	Pass
		Edge_1RB_Right	23.09	/	/	24.79	/	/	<=30	Pass
		Outer_Full	23.67	/	/	25.37	/	/	<=30	Pass
		Inner_Full	23.58	/	/	25.28	/	/	<=30	Pass
		Inner_1RB_Left	23.39	/	/	25.09	/	/	<=30	Pass
		Inner_1RB_Right	23.99	/	/	25.69	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	22.73	/	/	24.43	/	/	<=30	Pass
		Edge_1RB_Right	23.06	/	/	24.76	/	/	<=30	Pass
		Outer_Full	23.88	/	/	25.58	/	/	<=30	Pass
		Inner_Full	24.01	/	/	25.71	/	/	<=30	Pass
		Inner_1RB_Left	23.72	/	/	25.42	/	/	<=30	Pass
		Inner_1RB_Right	23.89	/	/	25.59	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Edge_1RB_Left	21.21	/	/	22.91	/	/	<=30	Pass
		Edge_1RB_Right	21.33	/	/	23.03	/	/	<=30	Pass

		Outer_Full	21.53	/	/	23.23	/	/	<=30	Pass
		Inner_Full	21.38	/	/	23.08	/	/	<=30	Pass
		Inner_1RB_Left	21.26	/	/	22.96	/	/	<=30	Pass
		Inner_1RB_Right	21.42	/	/	23.12	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.41	/	/	23.11	/	/	<=30	Pass
		Edge_1RB_Right	21.99	/	/	23.69	/	/	<=30	Pass
		Outer_Full	21.79	/	/	23.49	/	/	<=30	Pass
		Inner_Full	21.62	/	/	23.32	/	/	<=30	Pass
		Inner_1RB_Left	21.46	/	/	23.16	/	/	<=30	Pass
		Inner_1RB_Right	21.93	/	/	23.63	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.87	/	/	23.57	/	/	<=30	Pass
		Edge_1RB_Right	21.98	/	/	23.68	/	/	<=30	Pass
		Outer_Full	22.03	/	/	23.73	/	/	<=30	Pass
		Inner_Full	22.15	/	/	23.85	/	/	<=30	Pass
		Inner_1RB_Left	21.69	/	/	23.39	/	/	<=30	Pass
CP-OFDM QPSK	3740.01	Inner_1RB_Right	21.89	/	/	23.59	/	/	<=30	Pass
		Edge_1RB_Left	22.29	/	/	23.99	/	/	<=30	Pass
		Edge_1RB_Right	22.44	/	/	24.14	/	/	<=30	Pass
		Outer_Full	22.93	/	/	24.63	/	/	<=30	Pass
		Inner_Full	24.33	/	/	26.03	/	/	<=30	Pass
		Inner_1RB_Left	24.15	/	/	25.85	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.37	/	/	26.07	/	/	<=30	Pass
		Edge_1RB_Left	22.46	/	/	24.16	/	/	<=30	Pass
		Edge_1RB_Right	23.06	/	/	24.76	/	/	<=30	Pass
		Outer_Full	23.28	/	/	24.98	/	/	<=30	Pass
		Inner_Full	24.69	/	/	26.39	/	/	<=30	Pass
	3939.99	Inner_1RB_Left	24.52	/	/	26.22	/	/	<=30	Pass
		Inner_1RB_Right	25.04	/	/	26.74	/	/	<=30	Pass
		Edge_1RB_Left	22.82	/	/	24.52	/	/	<=30	Pass
		Edge_1RB_Right	23.08	/	/	24.78	/	/	<=30	Pass
		Outer_Full	23.60	/	/	25.30	/	/	<=30	Pass
		Inner_Full	25.13	/	/	26.83	/	/	<=30	Pass
CP-OFDM 16 QAM	3740.01	Inner_1RB_Left	24.76	/	/	26.46	/	/	<=30	Pass
		Inner_1RB_Right	24.96	/	/	26.66	/	/	<=30	Pass
		Edge_1RB_Left	22.15	/	/	23.85	/	/	<=30	Pass
		Edge_1RB_Right	22.31	/	/	24.01	/	/	<=30	Pass
		Outer_Full	22.94	/	/	24.64	/	/	<=30	Pass
		Inner_Full	23.73	/	/	25.43	/	/	<=30	Pass
	3840	Inner_1RB_Left	23.59	/	/	25.29	/	/	<=30	Pass
		Inner_1RB_Right	23.74	/	/	25.44	/	/	<=30	Pass
		Edge_1RB_Left	22.26	/	/	23.96	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	24.54	/	/	<=30	Pass
		Outer_Full	23.29	/	/	24.99	/	/	<=30	Pass
	3939.99	Inner_Full	24.10	/	/	25.80	/	/	<=30	Pass
		Inner_1RB_Left	23.90	/	/	25.60	/	/	<=30	Pass
		Inner_1RB_Right	24.42	/	/	26.12	/	/	<=30	Pass
		Edge_1RB_Left	22.62	/	/	24.32	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	24.54	/	/	<=30	Pass
CP-OFDM 64 QAM	3740.01	Outer_Full	23.57	/	/	25.27	/	/	<=30	Pass
		Inner_Full	24.50	/	/	26.20	/	/	<=30	Pass
		Inner_1RB_Left	24.05	/	/	25.75	/	/	<=30	Pass
		Inner_1RB_Right	24.25	/	/	25.95	/	/	<=30	Pass
		Edge_1RB_Left	22.28	/	/	23.98	/	/	<=30	Pass
		Edge_1RB_Right	22.44	/	/	24.14	/	/	<=30	Pass
	3840	Outer_Full	22.50	/	/	24.20	/	/	<=30	Pass
		Inner_Full	22.27	/	/	23.97	/	/	<=30	Pass
		Inner_1RB_Left	22.23	/	/	23.93	/	/	<=30	Pass

		Edge 1RB Right	23.04	/	/	24.74	/	/	<=30	Pass
		Outer_Full	22.80	/	/	24.50	/	/	<=30	Pass
		Inner_Full	22.58	/	/	24.28	/	/	<=30	Pass
		Inner_1RB_Left	22.40	/	/	24.10	/	/	<=30	Pass
		Inner_1RB_Right	23.11	/	/	24.81	/	/	<=30	Pass
	3939.99	Edge 1RB Left	22.64	/	/	24.34	/	/	<=30	Pass
		Edge 1RB Right	22.93	/	/	24.63	/	/	<=30	Pass
		Outer_Full	23.08	/	/	24.78	/	/	<=30	Pass
		Inner_Full	23.12	/	/	24.82	/	/	<=30	Pass
		Inner_1RB_Left	22.74	/	/	24.44	/	/	<=30	Pass
		Inner_1RB_Right	22.92	/	/	24.62	/	/	<=30	Pass
	CP-OFDM 256 QAM	3740.01	Edge 1RB Left	19.20	/	/	20.90	/	/	<=30
Edge 1RB Right			19.38	/	/	21.08	/	/	<=30	Pass
Outer_Full			19.55	/	/	21.25	/	/	<=30	Pass
Inner_Full			19.32	/	/	21.02	/	/	<=30	Pass
Inner_1RB_Left			19.21	/	/	20.91	/	/	<=30	Pass
Inner_1RB_Right			19.47	/	/	21.17	/	/	<=30	Pass
3840		Edge 1RB Left	19.49	/	/	21.19	/	/	<=30	Pass
		Edge 1RB Right	20.06	/	/	21.76	/	/	<=30	Pass
		Outer_Full	19.80	/	/	21.50	/	/	<=30	Pass
		Inner_Full	19.80	/	/	21.50	/	/	<=30	Pass
		Inner_1RB_Left	19.52	/	/	21.22	/	/	<=30	Pass
		Inner_1RB_Right	19.96	/	/	21.66	/	/	<=30	Pass
3939.99		Edge 1RB Left	19.73	/	/	21.43	/	/	<=30	Pass
		Edge 1RB Right	19.88	/	/	21.58	/	/	<=30	Pass
		Outer_Full	20.05	/	/	21.75	/	/	<=30	Pass
		Inner_Full	20.26	/	/	21.96	/	/	<=30	Pass
		Inner_1RB_Left	19.86	/	/	21.56	/	/	<=30	Pass
		Inner_1RB_Right	19.91	/	/	21.61	/	/	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.6 30k_SISO_100MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Edge 1RB Left	22.22	/	/	23.92	/	/	<=30	Pass
		Edge 1RB Right	22.04	/	/	23.74	/	/	<=30	Pass
		Outer Full	25.46	/	/	27.16	/	/	<=30	Pass
		Inner Full	25.83	/	/	27.53	/	/	<=30	Pass
		Inner 1RB Left	25.75	/	/	27.45	/	/	<=30	Pass
		Inner 1RB Right	25.56	/	/	27.26	/	/	<=30	Pass
	3840	Edge 1RB Left	22.22	/	/	23.92	/	/	<=30	Pass
		Edge 1RB Right	22.75	/	/	24.45	/	/	<=30	Pass
		Outer Full	25.74	/	/	27.44	/	/	<=30	Pass
		Inner Full	26.21	/	/	27.91	/	/	<=30	Pass
		Inner 1RB Left	25.68	/	/	27.38	/	/	<=30	Pass
		Inner 1RB Right	26.24	/	/	27.94	/	/	<=30	Pass
	3930	Edge 1RB Left	22.51	/	/	24.21	/	/	<=30	Pass
		Edge 1RB Right	22.94	/	/	24.64	/	/	<=30	Pass
		Outer Full	25.87	/	/	27.57	/	/	<=30	Pass
		Inner Full	26.37	/	/	28.07	/	/	<=30	Pass
		Inner 1RB Left	26.00	/	/	27.70	/	/	<=30	Pass
		Inner 1RB Right	26.34	/	/	28.04	/	/	<=30	Pass
DFT-s-OFDM QPSK	3750	Edge 1RB Left	22.27	/	/	23.97	/	/	<=30	Pass
		Edge 1RB Right	22.19	/	/	23.89	/	/	<=30	Pass
		Outer Full	24.90	/	/	26.60	/	/	<=30	Pass

		Inner_Full	25.83	/	/	27.53	/	/	<=30	Pass
		Inner_1RB_Left	25.75	/	/	27.45	/	/	<=30	Pass
		Inner_1RB_Right	25.54	/	/	27.24	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.33	/	/	24.03	/	/	<=30	Pass
		Edge_1RB_Right	22.81	/	/	24.51	/	/	<=30	Pass
		Outer_Full	25.18	/	/	26.88	/	/	<=30	Pass
		Inner_Full	26.18	/	/	27.88	/	/	<=30	Pass
		Inner_1RB_Left	25.63	/	/	27.33	/	/	<=30	Pass
		Inner_1RB_Right	26.21	/	/	27.91	/	/	<=30	Pass
	3930	Edge_1RB_Left	22.62	/	/	24.32	/	/	<=30	Pass
		Edge_1RB_Right	22.78	/	/	24.48	/	/	<=30	Pass
		Outer_Full	25.35	/	/	27.05	/	/	<=30	Pass
		Inner_Full	26.38	/	/	28.08	/	/	<=30	Pass
		Inner_1RB_Left	26.00	/	/	27.70	/	/	<=30	Pass
		Inner_1RB_Right	26.28	/	/	27.98	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Edge_1RB_Left	21.94	/	/	23.64	/	/	<=30	Pass
		Edge_1RB_Right	21.98	/	/	23.68	/	/	<=30	Pass
		Outer_Full	23.86	/	/	25.56	/	/	<=30	Pass
		Inner_Full	24.80	/	/	26.50	/	/	<=30	Pass
		Inner_1RB_Left	24.64	/	/	26.34	/	/	<=30	Pass
		Inner_1RB_Right	24.45	/	/	26.15	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.13	/	/	23.83	/	/	<=30	Pass
		Edge_1RB_Right	22.64	/	/	24.34	/	/	<=30	Pass
		Outer_Full	24.20	/	/	25.90	/	/	<=30	Pass
		Inner_Full	25.17	/	/	26.87	/	/	<=30	Pass
		Inner_1RB_Left	24.57	/	/	26.27	/	/	<=30	Pass
		Inner_1RB_Right	25.07	/	/	26.77	/	/	<=30	Pass
	3930	Edge_1RB_Left	22.50	/	/	24.20	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	24.54	/	/	<=30	Pass
		Outer_Full	24.32	/	/	26.02	/	/	<=30	Pass
		Inner_Full	25.38	/	/	27.08	/	/	<=30	Pass
		Inner_1RB_Left	24.96	/	/	26.66	/	/	<=30	Pass
		Inner_1RB_Right	25.24	/	/	26.94	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Edge_1RB_Left	22.27	/	/	23.97	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	23.93	/	/	<=30	Pass
		Outer_Full	23.39	/	/	25.09	/	/	<=30	Pass
		Inner_Full	23.31	/	/	25.01	/	/	<=30	Pass
		Inner_1RB_Left	23.42	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Right	23.23	/	/	24.93	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.16	/	/	23.86	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	24.55	/	/	<=30	Pass
		Outer_Full	23.80	/	/	25.50	/	/	<=30	Pass
		Inner_Full	23.69	/	/	25.39	/	/	<=30	Pass
		Inner_1RB_Left	23.34	/	/	25.04	/	/	<=30	Pass
		Inner_1RB_Right	23.68	/	/	25.38	/	/	<=30	Pass
	3930	Edge_1RB_Left	22.69	/	/	24.39	/	/	<=30	Pass
		Edge_1RB_Right	23.03	/	/	24.73	/	/	<=30	Pass
		Outer_Full	23.82	/	/	25.52	/	/	<=30	Pass
		Inner_Full	23.87	/	/	25.57	/	/	<=30	Pass
		Inner_1RB_Left	23.62	/	/	25.32	/	/	<=30	Pass
		Inner_1RB_Right	23.89	/	/	25.59	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Edge_1RB_Left	21.29	/	/	22.99	/	/	<=30	Pass
		Edge_1RB_Right	21.18	/	/	22.88	/	/	<=30	Pass
		Outer_Full	21.43	/	/	23.13	/	/	<=30	Pass
		Inner_Full	21.47	/	/	23.17	/	/	<=30	Pass
		Inner_1RB_Left	21.33	/	/	23.03	/	/	<=30	Pass
		Inner_1RB_Right	21.18	/	/	22.88	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.27	/	/	22.97	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	23.54	/	/	<=30	Pass

		Outer_Full	21.71	/	/	23.41	/	/	<=30	Pass
		Inner_Full	21.69	/	/	23.39	/	/	<=30	Pass
		Inner_1RB_Left	21.34	/	/	23.04	/	/	<=30	Pass
		Inner_1RB_Right	21.77	/	/	23.47	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.52	/	/	23.22	/	/	<=30	Pass
		Edge_1RB_Right	21.86	/	/	23.56	/	/	<=30	Pass
		Outer_Full	21.92	/	/	23.62	/	/	<=30	Pass
		Inner_Full	21.93	/	/	23.63	/	/	<=30	Pass
		Inner_1RB_Left	21.61	/	/	23.31	/	/	<=30	Pass
		Inner_1RB_Right	21.84	/	/	23.54	/	/	<=30	Pass
CP-OFDM QPSK	3750	Edge_1RB_Left	22.21	/	/	23.91	/	/	<=30	Pass
		Edge_1RB_Right	22.22	/	/	23.92	/	/	<=30	Pass
		Outer_Full	23.02	/	/	24.72	/	/	<=30	Pass
		Inner_Full	24.40	/	/	26.10	/	/	<=30	Pass
		Inner_1RB_Left	24.22	/	/	25.92	/	/	<=30	Pass
		Inner_1RB_Right	24.16	/	/	25.86	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.35	/	/	24.05	/	/	<=30	Pass
		Edge_1RB_Right	22.83	/	/	24.53	/	/	<=30	Pass
		Outer_Full	23.24	/	/	24.94	/	/	<=30	Pass
		Inner_Full	24.59	/	/	26.29	/	/	<=30	Pass
		Inner_1RB_Left	24.18	/	/	25.88	/	/	<=30	Pass
		Inner_1RB_Right	24.83	/	/	26.53	/	/	<=30	Pass
	3930	Edge_1RB_Left	22.66	/	/	24.36	/	/	<=30	Pass
		Edge_1RB_Right	22.96	/	/	24.66	/	/	<=30	Pass
		Outer_Full	23.40	/	/	25.10	/	/	<=30	Pass
		Inner_Full	24.90	/	/	26.60	/	/	<=30	Pass
		Inner_1RB_Left	24.69	/	/	26.39	/	/	<=30	Pass
		Inner_1RB_Right	24.90	/	/	26.60	/	/	<=30	Pass
CP-OFDM 16 QAM	3750	Edge_1RB_Left	21.98	/	/	23.68	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	23.80	/	/	<=30	Pass
		Outer_Full	22.87	/	/	24.57	/	/	<=30	Pass
		Inner_Full	23.83	/	/	25.53	/	/	<=30	Pass
		Inner_1RB_Left	23.73	/	/	25.43	/	/	<=30	Pass
		Inner_1RB_Right	23.48	/	/	25.18	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.16	/	/	23.86	/	/	<=30	Pass
		Edge_1RB_Right	22.65	/	/	24.35	/	/	<=30	Pass
		Outer_Full	23.24	/	/	24.94	/	/	<=30	Pass
		Inner_Full	24.10	/	/	25.80	/	/	<=30	Pass
		Inner_1RB_Left	23.77	/	/	25.47	/	/	<=30	Pass
		Inner_1RB_Right	24.25	/	/	25.95	/	/	<=30	Pass
	3930	Edge_1RB_Left	22.48	/	/	24.18	/	/	<=30	Pass
		Edge_1RB_Right	22.88	/	/	24.58	/	/	<=30	Pass
		Outer_Full	23.33	/	/	25.03	/	/	<=30	Pass
		Inner_Full	24.38	/	/	26.08	/	/	<=30	Pass
		Inner_1RB_Left	24.03	/	/	25.73	/	/	<=30	Pass
		Inner_1RB_Right	24.27	/	/	25.97	/	/	<=30	Pass
CP-OFDM 64 QAM	3750	Edge_1RB_Left	22.17	/	/	23.87	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	23.84	/	/	<=30	Pass
		Outer_Full	22.39	/	/	24.09	/	/	<=30	Pass
		Inner_Full	22.35	/	/	24.05	/	/	<=30	Pass
		Inner_1RB_Left	22.19	/	/	23.89	/	/	<=30	Pass
		Inner_1RB_Right	22.17	/	/	23.87	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.23	/	/	23.93	/	/	<=30	Pass
		Edge_1RB_Right	22.81	/	/	24.51	/	/	<=30	Pass
		Outer_Full	22.68	/	/	24.38	/	/	<=30	Pass
		Inner_Full	22.70	/	/	24.40	/	/	<=30	Pass
		Inner_1RB_Left	22.26	/	/	23.96	/	/	<=30	Pass
		Inner_1RB_Right	22.72	/	/	24.42	/	/	<=30	Pass
	3930	Edge_1RB_Left	22.68	/	/	24.38	/	/	<=30	Pass

		Edge 1RB Right	22.97	/	/	24.67	/	/	<=30	Pass	
		Outer_Full	22.85	/	/	24.55	/	/	<=30	Pass	
		Inner_Full	22.89	/	/	24.59	/	/	<=30	Pass	
		Inner_1RB_Left	22.64	/	/	24.34	/	/	<=30	Pass	
		Inner_1RB_Right	22.90	/	/	24.60	/	/	<=30	Pass	
CP-OFDM 256 QAM	3750	Edge 1RB Left	19.21	/	/	20.91	/	/	<=30	Pass	
		Edge 1RB Right	19.04	/	/	20.74	/	/	<=30	Pass	
		Outer_Full	19.53	/	/	21.23	/	/	<=30	Pass	
		Inner_Full	19.55	/	/	21.25	/	/	<=30	Pass	
		Inner_1RB_Left	19.37	/	/	21.07	/	/	<=30	Pass	
		Inner_1RB_Right	19.25	/	/	20.95	/	/	<=30	Pass	
		3840	Edge 1RB Left	19.34	/	/	21.04	/	/	<=30	Pass
			Edge 1RB Right	19.91	/	/	21.61	/	/	<=30	Pass
	Outer_Full		19.66	/	/	21.36	/	/	<=30	Pass	
	Inner_Full		19.68	/	/	21.38	/	/	<=30	Pass	
	Inner_1RB_Left		19.28	/	/	20.98	/	/	<=30	Pass	
	Inner_1RB_Right		19.82	/	/	21.52	/	/	<=30	Pass	
	3930		Edge 1RB Left	19.75	/	/	21.45	/	/	<=30	Pass
			Edge 1RB Right	20.04	/	/	21.74	/	/	<=30	Pass
		Outer_Full	19.70	/	/	21.40	/	/	<=30	Pass	
		Inner_Full	20.03	/	/	21.73	/	/	<=30	Pass	
		Inner_1RB_Left	19.77	/	/	21.47	/	/	<=30	Pass	
		Inner_1RB_Right	20.00	/	/	21.70	/	/	<=30	Pass	
	Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi;										
	Note2: EIRP=Conducted Power+Antenna Gain										

1.1.7 30k_MIMO_20MHz_NTNV_EIRP

5G NR n77a SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3710.01	Edge 1RB Left	20.27	19.51	22.92	21.97	22.01	25.00	<=30	Pass
		Edge 1RB Right	20.36	19.50	22.96	22.06	22.00	25.04	<=30	Pass
		Outer Full	20.90	19.83	23.41	22.60	22.33	25.48	<=30	Pass
		Inner Full	22.48	21.25	24.92	24.18	23.75	26.98	<=30	Pass
		Inner 1RB Left	22.24	21.37	24.83	23.94	23.87	26.92	<=30	Pass
		Inner 1RB Right	22.41	21.33	24.92	24.11	23.83	26.98	<=30	Pass
	3840	Edge 1RB Left	19.92	19.09	22.54	21.62	21.59	24.62	<=30	Pass
		Edge 1RB Right	20.42	19.17	22.85	22.12	21.67	24.91	<=30	Pass
		Outer Full	20.67	19.64	23.20	22.37	22.14	25.27	<=30	Pass
		Inner Full	22.20	21.08	24.69	23.90	23.58	26.75	<=30	Pass
		Inner 1RB Left	21.91	21.15	24.55	23.61	23.65	26.64	<=30	Pass
		Inner 1RB Right	22.48	21.13	24.87	24.18	23.63	26.92	<=30	Pass
	3969.99	Edge 1RB Left	19.86	19.82	22.85	21.56	22.32	24.97	<=30	Pass
		Edge 1RB Right	20.28	19.86	23.09	21.98	22.36	25.18	<=30	Pass
		Outer Full	20.54	20.28	23.42	22.24	22.78	25.53	<=30	Pass
		Inner Full	22.00	21.74	24.88	23.70	24.24	26.99	<=30	Pass
		Inner 1RB Left	22.00	21.80	24.92	23.70	24.30	27.02	<=30	Pass
		Inner 1RB Right	22.34	21.77	25.08	24.04	24.27	27.17	<=30	Pass
CP-OFDM 16 QAM	3710.01	Edge 1RB Left	20.47	19.42	22.99	22.17	21.92	25.06	<=30	Pass
		Edge 1RB Right	20.41	19.47	22.97	22.11	21.97	25.05	<=30	Pass
		Outer Full	20.97	19.90	23.48	22.67	22.40	25.55	<=30	Pass
		Inner Full	21.99	20.84	24.47	23.69	23.34	26.53	<=30	Pass
		Inner 1RB Left	21.70	20.82	24.29	23.40	23.32	26.37	<=30	Pass
		Inner 1RB Right	21.89	20.85	24.41	23.59	23.35	26.48	<=30	Pass
	3840	Edge 1RB Left	20.18	19.01	22.64	21.88	21.51	24.71	<=30	Pass
		Edge 1RB Right	20.36	19.31	22.88	22.06	21.81	24.95	<=30	Pass
		Outer Full	20.73	19.67	23.24	22.43	22.17	25.31	<=30	Pass

		Inner_Full	21.79	20.63	24.26	23.49	23.13	26.32	<=30	Pass
		Inner_1RB_Left	21.61	20.51	24.11	23.31	23.01	26.17	<=30	Pass
		Inner_1RB_Right	22.10	20.73	24.48	23.80	23.23	26.53	<=30	Pass
	3969.99	Edge_1RB_Left	19.94	19.93	22.95	21.64	22.43	25.06	<=30	Pass
		Edge_1RB_Right	20.27	20.00	23.15	21.97	22.50	25.25	<=30	Pass
		Outer_Full	20.60	20.35	23.49	22.30	22.85	25.59	<=30	Pass
		Inner_Full	21.61	21.32	24.48	23.31	23.82	26.58	<=30	Pass
		Inner_1RB_Left	21.41	21.35	24.39	23.11	23.85	26.51	<=30	Pass
		Inner_1RB_Right	21.79	21.38	24.60	23.49	23.88	26.70	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge_1RB_Left	20.15	19.36	22.79	21.85	21.86	24.87	<=30	Pass
		Edge_1RB_Right	20.37	19.54	22.98	22.07	22.04	25.07	<=30	Pass
		Outer_Full	20.52	19.37	22.99	22.22	21.87	25.06	<=30	Pass
		Inner_Full	20.47	19.31	22.94	22.17	21.81	25.00	<=30	Pass
		Inner_1RB_Left	20.26	19.41	22.87	21.96	21.91	24.95	<=30	Pass
		Inner_1RB_Right	20.33	19.52	22.96	22.03	22.02	25.04	<=30	Pass
	3840	Edge_1RB_Left	19.96	19.19	22.60	21.66	21.69	24.69	<=30	Pass
		Edge_1RB_Right	20.46	19.20	22.89	22.16	21.70	24.95	<=30	Pass
		Outer_Full	20.26	19.14	22.74	21.96	21.64	24.81	<=30	Pass
		Inner_Full	20.22	19.11	22.72	21.92	21.61	24.78	<=30	Pass
		Inner_1RB_Left	19.92	19.16	22.57	21.62	21.66	24.65	<=30	Pass
		Inner_1RB_Right	20.43	19.28	22.90	22.13	21.78	24.97	<=30	Pass
	3969.99	Edge_1RB_Left	19.98	19.52	22.77	21.68	22.02	24.86	<=30	Pass
		Edge_1RB_Right	20.39	19.57	23.01	22.09	22.07	25.09	<=30	Pass
		Outer_Full	20.08	19.86	22.98	21.78	22.36	25.09	<=30	Pass
		Inner_Full	20.04	19.77	22.92	21.74	22.27	25.02	<=30	Pass
		Inner_1RB_Left	19.98	19.61	22.81	21.68	22.11	24.91	<=30	Pass
		Inner_1RB_Right	20.30	19.62	22.98	22.00	22.12	25.07	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge_1RB_Left	17.09	16.63	19.88	18.79	19.13	21.97	<=30	Pass
		Edge_1RB_Right	17.56	16.33	20.00	19.26	18.83	22.06	<=30	Pass
		Outer_Full	17.46	16.38	19.97	19.16	18.88	22.03	<=30	Pass
		Inner_Full	17.55	16.35	20.00	19.25	18.85	22.06	<=30	Pass
		Inner_1RB_Left	17.18	16.60	19.91	18.88	19.10	22.00	<=30	Pass
		Inner_1RB_Right	17.28	16.62	19.97	18.98	19.12	22.06	<=30	Pass
	3840	Edge_1RB_Left	16.87	16.34	19.62	18.57	18.84	21.72	<=30	Pass
		Edge_1RB_Right	17.50	16.37	19.98	19.20	18.87	22.05	<=30	Pass
		Outer_Full	17.31	16.27	19.83	19.01	18.77	21.90	<=30	Pass
		Inner_Full	17.26	16.16	19.76	18.96	18.66	21.82	<=30	Pass
		Inner_1RB_Left	16.86	16.23	19.57	18.56	18.73	21.66	<=30	Pass
		Inner_1RB_Right	17.31	16.43	19.91	19.01	18.93	21.98	<=30	Pass
	3969.99	Edge_1RB_Left	17.13	16.79	19.98	18.83	19.29	22.08	<=30	Pass
		Edge_1RB_Right	17.46	16.71	20.11	19.16	19.21	22.20	<=30	Pass
		Outer_Full	17.17	16.93	20.06	18.87	19.43	22.17	<=30	Pass
		Inner_Full	17.15	16.83	20.00	18.85	19.33	22.11	<=30	Pass
		Inner_1RB_Left	16.92	16.96	19.95	18.62	19.46	22.07	<=30	Pass
		Inner_1RB_Right	17.29	17.02	20.16	18.99	19.52	22.27	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.1.8 30k_MIMO_30MHz_NTNV_EIRP

5G NR n77a SCS=30kHz MIMO 30MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3715.02	Edge_1RB_Left	20.21	19.46	22.86	21.91	21.96	24.95	<=30	Pass
		Edge_1RB_Right	19.91	19.66	22.80	21.61	22.16	24.90	<=30	Pass
		Outer_Full	20.75	19.92	23.36	22.45	22.42	25.45	<=30	Pass
		Inner_Full	22.34	21.36	24.89	24.04	23.86	26.96	<=30	Pass

		Inner 1RB Left	22.26	21.31	24.82	23.96	23.81	26.90	<=30	Pass
		Inner 1RB Right	22.08	21.73	24.92	23.78	24.23	27.02	<=30	Pass
	3840	Edge 1RB Left	20.05	19.11	22.62	21.75	21.61	24.69	<=30	Pass
		Edge 1RB Right	20.54	19.26	22.96	22.24	21.76	25.02	<=30	Pass
		Outer Full	20.86	19.64	23.30	22.56	22.14	25.37	<=30	Pass
		Inner Full	22.28	21.15	24.76	23.98	23.65	26.83	<=30	Pass
		Inner 1RB Left	21.99	21.09	24.57	23.69	23.59	26.65	<=30	Pass
		Inner 1RB Right	22.86	21.42	25.21	24.56	23.92	27.26	<=30	Pass
	3964.98	Edge 1RB Left	20.23	19.93	23.09	21.93	22.43	25.20	<=30	Pass
		Edge 1RB Right	20.45	19.86	23.18	22.15	22.36	25.27	<=30	Pass
		Outer Full	20.65	20.28	23.48	22.35	22.78	25.58	<=30	Pass
		Inner Full	21.98	21.81	24.90	23.68	24.31	27.02	<=30	Pass
		Inner 1RB Left	22.06	21.81	24.95	23.76	24.31	27.05	<=30	Pass
		Inner 1RB Right	22.50	21.80	25.18	24.20	24.30	27.26	<=30	Pass
CP-OFDM 16 QAM	3715.02	Edge 1RB Left	20.20	19.39	22.82	21.90	21.89	24.91	<=30	Pass
		Edge 1RB Right	19.86	19.72	22.80	21.56	22.22	24.91	<=30	Pass
		Outer Full	20.70	19.89	23.32	22.40	22.39	25.41	<=30	Pass
		Inner Full	21.77	20.88	24.36	23.47	23.38	26.44	<=30	Pass
		Inner 1RB Left	21.64	20.88	24.29	23.34	23.38	26.37	<=30	Pass
		Inner 1RB Right	21.30	21.26	24.29	23.00	23.76	26.41	<=30	Pass
	3840	Edge 1RB Left	19.94	19.13	22.56	21.64	21.63	24.65	<=30	Pass
		Edge 1RB Right	20.73	19.30	23.08	22.43	21.80	25.14	<=30	Pass
		Outer Full	20.79	19.62	23.25	22.49	22.12	25.32	<=30	Pass
		Inner Full	21.83	20.57	24.25	23.53	23.07	26.32	<=30	Pass
		Inner 1RB Left	21.54	20.63	24.12	23.24	23.13	26.20	<=30	Pass
		Inner 1RB Right	22.13	20.92	24.58	23.83	23.42	26.64	<=30	Pass
	3964.98	Edge 1RB Left	20.15	19.95	23.06	21.85	22.45	25.17	<=30	Pass
		Edge 1RB Right	20.34	19.73	23.05	22.04	22.23	25.15	<=30	Pass
		Outer Full	20.59	20.29	23.45	22.29	22.79	25.56	<=30	Pass
		Inner Full	21.54	21.28	24.42	23.24	23.78	26.53	<=30	Pass
		Inner 1RB Left	21.61	21.37	24.50	23.31	23.87	26.61	<=30	Pass
		Inner 1RB Right	21.89	21.28	24.61	23.59	23.78	26.70	<=30	Pass
CP-OFDM 64 QAM	3715.02	Edge 1RB Left	20.27	19.23	22.80	21.97	21.73	24.86	<=30	Pass
		Edge 1RB Right	19.84	19.54	22.70	21.54	22.04	24.81	<=30	Pass
		Outer Full	20.34	19.42	22.91	22.04	21.92	24.99	<=30	Pass
		Inner Full	20.31	19.35	22.86	22.01	21.85	24.94	<=30	Pass
		Inner 1RB Left	20.10	19.50	22.82	21.80	22.00	24.91	<=30	Pass
		Inner 1RB Right	19.63	19.59	22.62	21.33	22.09	24.74	<=30	Pass
	3840	Edge 1RB Left	20.11	19.01	22.61	21.81	21.51	24.67	<=30	Pass
		Edge 1RB Right	20.69	19.14	22.99	22.39	21.64	25.04	<=30	Pass
		Outer Full	20.37	19.15	22.81	22.07	21.65	24.88	<=30	Pass
		Inner Full	20.22	19.03	22.68	21.92	21.53	24.74	<=30	Pass
		Inner 1RB Left	19.93	19.26	22.62	21.63	21.76	24.71	<=30	Pass
		Inner 1RB Right	20.42	19.30	22.91	22.12	21.80	24.97	<=30	Pass
	3964.98	Edge 1RB Left	20.17	19.76	22.98	21.87	22.26	25.08	<=30	Pass
		Edge 1RB Right	20.37	19.66	23.04	22.07	22.16	25.13	<=30	Pass
		Outer Full	20.15	19.80	22.99	21.85	22.30	25.09	<=30	Pass
		Inner Full	20.05	19.81	22.94	21.75	22.31	25.05	<=30	Pass
		Inner 1RB Left	19.95	19.96	22.97	21.65	22.46	25.08	<=30	Pass
		Inner 1RB Right	20.25	19.92	23.10	21.95	22.42	25.20	<=30	Pass
CP-OFDM 256 QAM	3715.02	Edge 1RB Left	17.08	16.58	19.85	18.78	19.08	21.94	<=30	Pass
		Edge 1RB Right	17.00	16.45	19.74	18.70	18.95	21.84	<=30	Pass
		Outer Full	17.27	16.39	19.86	18.97	18.89	21.94	<=30	Pass
		Inner Full	17.40	16.39	19.93	19.10	18.89	22.01	<=30	Pass
		Inner 1RB Left	17.41	16.29	19.90	19.11	18.79	21.96	<=30	Pass
		Inner 1RB Right	17.00	16.59	19.81	18.70	19.09	21.91	<=30	Pass
	3840	Edge 1RB Left	17.06	16.31	19.71	18.76	18.81	21.80	<=30	Pass
		Edge 1RB Right	17.55	16.44	20.04	19.25	18.94	22.11	<=30	Pass
		Outer Full	17.38	16.12	19.81	19.08	18.62	21.87	<=30	Pass

		Inner_Full	17.30	16.12	19.76	19.00	18.62	21.82	<=30	Pass
		Inner_1RB_Left	16.97	16.22	19.62	18.67	18.72	21.71	<=30	Pass
		Inner_1RB_Right	17.53	16.48	20.05	19.23	18.98	22.12	<=30	Pass
	3964.98	Edge_1RB_Left	16.96	17.10	20.04	18.66	19.60	22.17	<=30	Pass
		Edge_1RB_Right	17.50	16.71	20.14	19.20	19.21	22.22	<=30	Pass
		Outer_Full	17.20	16.91	20.07	18.90	19.41	22.17	<=30	Pass
		Inner_Full	17.17	16.83	20.01	18.87	19.33	22.12	<=30	Pass
		Inner_1RB_Left	17.26	16.82	20.06	18.96	19.32	22.15	<=30	Pass
		Inner_1RB_Right	17.51	16.71	20.14	19.21	19.21	22.22	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.1.9 30k_MIMO_40MHz_NTNV_EIRP

5G NR n77a SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3720	Edge_1RB_Left	20.57	19.63	23.13	22.27	22.13	25.21	<=30	Pass
		Edge_1RB_Right	20.17	19.80	23.00	21.87	22.30	25.10	<=30	Pass
		Outer_Full	20.79	20.12	23.48	22.49	22.62	25.57	<=30	Pass
		Inner_Full	22.28	21.53	24.93	23.98	24.03	27.02	<=30	Pass
		Inner_1RB_Left	22.45	21.68	25.09	24.15	24.18	27.18	<=30	Pass
		Inner_1RB_Right	22.03	21.62	24.84	23.73	24.12	26.94	<=30	Pass
	3840	Edge_1RB_Left	20.18	19.38	22.81	21.88	21.88	24.89	<=30	Pass
		Edge_1RB_Right	20.70	19.28	23.06	22.40	21.78	25.11	<=30	Pass
		Outer_Full	20.88	19.61	23.30	22.58	22.11	25.36	<=30	Pass
		Inner_Full	22.37	21.15	24.82	24.07	23.65	26.88	<=30	Pass
		Inner_1RB_Left	22.10	21.35	24.75	23.80	23.85	26.84	<=30	Pass
		Inner_1RB_Right	22.72	21.29	25.08	24.42	23.79	27.13	<=30	Pass
	3960	Edge_1RB_Left	20.37	19.90	23.15	22.07	22.40	25.25	<=30	Pass
		Edge_1RB_Right	20.42	19.85	23.16	22.12	22.35	25.25	<=30	Pass
		Outer_Full	20.64	20.29	23.48	22.34	22.79	25.58	<=30	Pass
		Inner_Full	22.02	21.70	24.87	23.72	24.20	26.98	<=30	Pass
		Inner_1RB_Left	22.29	21.85	25.09	23.99	24.35	27.18	<=30	Pass
		Inner_1RB_Right	22.36	21.86	25.13	24.06	24.36	27.22	<=30	Pass
CP-OFDM 16 QAM	3720	Edge_1RB_Left	20.53	19.68	23.13	22.23	22.18	25.22	<=30	Pass
		Edge_1RB_Right	20.23	19.69	22.98	21.93	22.19	25.07	<=30	Pass
		Outer_Full	20.75	20.09	23.44	22.45	22.59	25.53	<=30	Pass
		Inner_Full	21.82	21.13	24.50	23.52	23.63	26.59	<=30	Pass
		Inner_1RB_Left	21.90	21.13	24.54	23.60	23.63	26.63	<=30	Pass
		Inner_1RB_Right	21.51	21.24	24.39	23.21	23.74	26.49	<=30	Pass
	3840	Edge_1RB_Left	20.12	19.39	22.78	21.82	21.89	24.87	<=30	Pass
		Edge_1RB_Right	20.52	19.18	22.91	22.22	21.68	24.97	<=30	Pass
		Outer_Full	20.85	19.68	23.31	22.55	22.18	25.38	<=30	Pass
		Inner_Full	21.89	20.69	24.34	23.59	23.19	26.40	<=30	Pass
		Inner_1RB_Left	21.77	20.89	24.36	23.47	23.39	26.44	<=30	Pass
		Inner_1RB_Right	22.21	20.86	24.59	23.91	23.36	26.65	<=30	Pass
	3960	Edge_1RB_Left	20.22	19.76	23.01	21.92	22.26	25.10	<=30	Pass
		Edge_1RB_Right	20.30	19.85	23.09	22.00	22.35	25.19	<=30	Pass
		Outer_Full	20.54	20.27	23.42	22.24	22.77	25.52	<=30	Pass
		Inner_Full	21.51	21.25	24.39	23.21	23.75	26.50	<=30	Pass
		Inner_1RB_Left	21.82	21.27	24.56	23.52	23.77	26.66	<=30	Pass
		Inner_1RB_Right	21.96	21.41	24.70	23.66	23.91	26.80	<=30	Pass
CP-OFDM 64 QAM	3720	Edge_1RB_Left	20.27	19.62	22.96	21.97	22.12	25.06	<=30	Pass
		Edge_1RB_Right	19.87	19.81	22.85	21.57	22.31	24.97	<=30	Pass
		Outer_Full	20.30	19.57	22.96	22.00	22.07	25.05	<=30	Pass
		Inner_Full	20.28	19.52	22.93	21.98	22.02	25.01	<=30	Pass

		Inner 1RB Left	20.40	19.57	23.01	22.10	22.07	25.10	<=30	Pass
		Inner 1RB Right	20.09	19.64	22.88	21.79	22.14	24.98	<=30	Pass
	3840	Edge 1RB Left	19.94	19.40	22.69	21.64	21.90	24.78	<=30	Pass
		Edge 1RB Right	20.58	19.32	23.00	22.28	21.82	25.07	<=30	Pass
		Outer Full	20.32	19.22	22.81	22.02	21.72	24.88	<=30	Pass
		Inner Full	20.28	19.14	22.76	21.98	21.64	24.82	<=30	Pass
		Inner 1RB Left	19.99	19.38	22.71	21.69	21.88	24.80	<=30	Pass
		Inner 1RB Right	20.48	19.35	22.96	22.18	21.85	25.03	<=30	Pass
	3960	Edge 1RB Left	20.28	19.73	23.02	21.98	22.23	25.12	<=30	Pass
		Edge 1RB Right	20.10	19.88	23.00	21.80	22.38	25.11	<=30	Pass
		Outer Full	20.08	19.69	22.90	21.78	22.19	25.00	<=30	Pass
		Inner Full	20.07	19.77	22.93	21.77	22.27	25.04	<=30	Pass
		Inner 1RB Left	20.13	19.95	23.05	21.83	22.45	25.16	<=30	Pass
		Inner 1RB Right	20.26	19.97	23.13	21.96	22.47	25.23	<=30	Pass
CP-OFDM 256 QAM	3720	Edge 1RB Left	17.57	16.59	20.12	19.27	19.09	22.19	<=30	Pass
		Edge 1RB Right	17.30	16.61	19.98	19.00	19.11	22.07	<=30	Pass
		Outer Full	17.24	16.62	19.95	18.94	19.12	22.04	<=30	Pass
		Inner Full	17.27	16.58	19.95	18.97	19.08	22.04	<=30	Pass
		Inner 1RB Left	17.32	16.79	20.07	19.02	19.29	22.17	<=30	Pass
		Inner 1RB Right	16.99	16.87	19.94	18.69	19.37	22.05	<=30	Pass
	3840	Edge 1RB Left	17.03	16.58	19.82	18.73	19.08	21.92	<=30	Pass
		Edge 1RB Right	17.58	16.35	20.02	19.28	18.85	22.08	<=30	Pass
		Outer Full	17.36	16.16	19.81	19.06	18.66	21.87	<=30	Pass
		Inner Full	17.34	16.20	19.82	19.04	18.70	21.88	<=30	Pass
		Inner 1RB Left	17.07	16.47	19.79	18.77	18.97	21.88	<=30	Pass
		Inner 1RB Right	17.60	16.47	20.09	19.30	18.97	22.15	<=30	Pass
	3960	Edge 1RB Left	17.52	16.82	20.20	19.22	19.32	22.28	<=30	Pass
		Edge 1RB Right	17.33	17.03	20.19	19.03	19.53	22.30	<=30	Pass
		Outer Full	17.17	16.91	20.05	18.87	19.41	22.16	<=30	Pass
		Inner Full	17.05	16.76	19.92	18.75	19.26	22.02	<=30	Pass
		Inner 1RB Left	17.38	16.83	20.13	19.08	19.33	22.22	<=30	Pass
		Inner 1RB Right	17.69	16.79	20.27	19.39	19.29	22.35	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.1.10 30k_MIMO_60MHz_NTNV_EIRP

5G NR n77a SCS=30kHz MIMO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3730.02	Edge 1RB Left	20.08	19.33	22.73	21.78	21.83	24.82	<=30	Pass
		Edge 1RB Right	20.46	19.41	22.98	22.16	21.91	25.05	<=30	Pass
		Outer Full	20.63	19.81	23.25	22.33	22.31	25.33	<=30	Pass
		Inner Full	21.94	21.43	24.70	23.64	23.93	26.80	<=30	Pass
		Inner 1RB Left	22.06	21.20	24.66	23.76	23.70	26.74	<=30	Pass
		Inner 1RB Right	22.48	21.37	24.97	24.18	23.87	27.04	<=30	Pass
	3840	Edge 1RB Left	20.07	19.25	22.69	21.77	21.75	24.77	<=30	Pass
		Edge 1RB Right	20.22	18.90	22.62	21.92	21.40	24.68	<=30	Pass
		Outer Full	20.57	19.54	23.10	22.27	22.04	25.17	<=30	Pass
		Inner Full	22.07	21.03	24.59	23.77	23.53	26.66	<=30	Pass
		Inner 1RB Left	21.95	21.22	24.61	23.65	23.72	26.70	<=30	Pass
		Inner 1RB Right	22.35	20.83	24.67	24.05	23.33	26.72	<=30	Pass
	3949.98	Edge 1RB Left	20.29	19.47	22.91	21.99	21.97	24.99	<=30	Pass
		Edge 1RB Right	20.04	19.57	22.82	21.74	22.07	24.92	<=30	Pass
		Outer Full	20.57	20.07	23.34	22.27	22.57	25.43	<=30	Pass
		Inner Full	21.93	21.59	24.77	23.63	24.09	26.88	<=30	Pass
		Inner 1RB Left	22.28	21.50	24.92	23.98	24.00	27.00	<=30	Pass

		Inner 1RB Right	22.09	21.53	24.83	23.79	24.03	26.92	<=30	Pass
CP-OFDM 16 QAM	3730.02	Edge 1RB Left	20.02	19.31	22.69	21.72	21.81	24.78	<=30	Pass
		Edge 1RB Right	20.30	19.42	22.90	22.00	21.92	24.97	<=30	Pass
		Outer_Full	20.62	19.87	23.27	22.32	22.37	25.36	<=30	Pass
		Inner_Full	21.37	20.88	24.14	23.07	23.38	26.24	<=30	Pass
		Inner 1RB Left	21.56	20.71	24.16	23.26	23.21	26.25	<=30	Pass
		Inner 1RB Right	22.09	20.85	24.53	23.79	23.35	26.59	<=30	Pass
	3840	Edge 1RB Left	19.89	19.23	22.58	21.59	21.73	24.67	<=30	Pass
		Edge 1RB Right	20.35	18.88	22.69	22.05	21.38	24.74	<=30	Pass
		Outer_Full	20.60	19.53	23.11	22.30	22.03	25.18	<=30	Pass
		Inner_Full	21.60	20.46	24.08	23.30	22.96	26.14	<=30	Pass
		Inner 1RB Left	21.29	20.84	24.08	22.99	23.34	26.18	<=30	Pass
		Inner 1RB Right	21.76	20.47	24.17	23.46	22.97	26.23	<=30	Pass
	3949.98	Edge 1RB Left	20.30	19.56	22.96	22.00	22.06	25.04	<=30	Pass
		Edge 1RB Right	20.14	19.62	22.90	21.84	22.12	24.99	<=30	Pass
		Outer_Full	20.54	20.09	23.33	22.24	22.59	25.43	<=30	Pass
		Inner_Full	21.42	21.07	24.26	23.12	23.57	26.36	<=30	Pass
		Inner 1RB Left	21.70	21.04	24.39	23.40	23.54	26.48	<=30	Pass
		Inner 1RB Right	21.62	21.26	24.45	23.32	23.76	26.56	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge 1RB Left	19.98	19.39	22.71	21.68	21.89	24.80	<=30	Pass
		Edge 1RB Right	20.24	19.30	22.81	21.94	21.80	24.88	<=30	Pass
		Outer_Full	20.09	19.37	22.75	21.79	21.87	24.84	<=30	Pass
		Inner_Full	19.87	19.44	22.67	21.57	21.94	24.77	<=30	Pass
		Inner 1RB Left	19.98	19.37	22.69	21.68	21.87	24.79	<=30	Pass
		Inner 1RB Right	20.39	19.43	22.95	22.09	21.93	25.02	<=30	Pass
	3840	Edge 1RB Left	19.84	19.21	22.55	21.54	21.71	24.64	<=30	Pass
		Edge 1RB Right	20.25	18.89	22.63	21.95	21.39	24.69	<=30	Pass
		Outer_Full	20.04	19.01	22.56	21.74	21.51	24.64	<=30	Pass
		Inner_Full	20.04	19.05	22.58	21.74	21.55	24.66	<=30	Pass
		Inner 1RB Left	19.95	19.26	22.63	21.65	21.76	24.72	<=30	Pass
		Inner 1RB Right	20.31	19.02	22.72	22.01	21.52	24.78	<=30	Pass
	3949.98	Edge 1RB Left	20.25	19.57	22.93	21.95	22.07	25.02	<=30	Pass
		Edge 1RB Right	20.07	19.61	22.86	21.77	22.11	24.95	<=30	Pass
		Outer_Full	19.97	19.56	22.78	21.67	22.06	24.88	<=30	Pass
		Inner_Full	19.96	19.64	22.81	21.66	22.14	24.92	<=30	Pass
		Inner 1RB Left	20.34	19.53	22.97	22.04	22.03	25.05	<=30	Pass
		Inner 1RB Right	20.10	19.63	22.88	21.80	22.13	24.98	<=30	Pass
CP-OFDM 256 QAM	3730.02	Edge 1RB Left	16.85	16.45	19.66	18.55	18.95	21.76	<=30	Pass
		Edge 1RB Right	17.20	16.46	19.85	18.90	18.96	21.94	<=30	Pass
		Outer_Full	17.07	16.34	19.73	18.77	18.84	21.82	<=30	Pass
		Inner_Full	16.88	16.37	19.65	18.58	18.87	21.74	<=30	Pass
		Inner 1RB Left	16.92	16.35	19.65	18.62	18.85	21.75	<=30	Pass
		Inner 1RB Right	17.37	16.39	19.92	19.07	18.89	21.99	<=30	Pass
	3840	Edge 1RB Left	16.99	16.09	19.58	18.69	18.59	21.65	<=30	Pass
		Edge 1RB Right	17.25	16.08	19.71	18.95	18.58	21.78	<=30	Pass
		Outer_Full	17.14	16.08	19.65	18.84	18.58	21.72	<=30	Pass
		Inner_Full	17.05	16.04	19.59	18.75	18.54	21.66	<=30	Pass
		Inner 1RB Left	16.76	16.33	19.56	18.46	18.83	21.66	<=30	Pass
		Inner 1RB Right	17.21	16.12	19.71	18.91	18.62	21.78	<=30	Pass
	3949.98	Edge 1RB Left	17.62	16.41	20.06	19.32	18.91	22.13	<=30	Pass
		Edge 1RB Right	17.22	16.46	19.87	18.92	18.96	21.95	<=30	Pass
		Outer_Full	17.04	16.67	19.87	18.74	19.17	21.97	<=30	Pass
		Inner_Full	17.06	16.70	19.89	18.76	19.20	22.00	<=30	Pass
		Inner 1RB Left	17.45	16.42	19.97	19.15	18.92	22.05	<=30	Pass
		Inner 1RB Right	17.25	16.51	19.90	18.95	19.01	21.99	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.1.11 30k_MIMO_80MHz_NTNV_EIRP

5G NR n77a SCS=30kHz MIMO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3740.01	Edge 1RB Left	19.93	19.12	22.55	21.63	21.62	24.64	<=30	Pass
		Edge 1RB Right	19.82	19.11	22.49	21.52	21.61	24.58	<=30	Pass
		Outer Full	20.49	19.61	23.08	22.19	22.11	25.16	<=30	Pass
		Inner Full	21.90	21.19	24.57	23.60	23.69	26.66	<=30	Pass
		Inner 1RB Left	21.92	21.14	24.55	23.62	23.64	26.64	<=30	Pass
		Inner 1RB Right	21.83	21.12	24.50	23.53	23.62	26.59	<=30	Pass
	3840	Edge 1RB Left	19.73	19.14	22.45	21.43	21.64	24.55	<=30	Pass
		Edge 1RB Right	19.92	18.80	22.41	21.62	21.30	24.47	<=30	Pass
		Outer Full	20.38	19.37	22.91	22.08	21.87	24.99	<=30	Pass
		Inner Full	21.91	20.88	24.44	23.61	23.38	26.51	<=30	Pass
		Inner 1RB Left	21.79	21.13	24.48	23.49	23.63	26.57	<=30	Pass
		Inner 1RB Right	21.90	20.73	24.36	23.60	23.23	26.43	<=30	Pass
	3939.99	Edge 1RB Left	19.97	19.12	22.58	21.67	21.62	24.66	<=30	Pass
		Edge 1RB Right	19.92	19.43	22.69	21.62	21.93	24.79	<=30	Pass
		Outer Full	20.52	19.84	23.20	22.22	22.34	25.29	<=30	Pass
		Inner Full	21.91	21.48	24.71	23.61	23.98	26.81	<=30	Pass
		Inner 1RB Left	21.99	21.09	24.57	23.69	23.59	26.65	<=30	Pass
		Inner 1RB Right	21.97	21.37	24.69	23.67	23.87	26.78	<=30	Pass
CP-OFDM 16 QAM	3740.01	Edge 1RB Left	20.20	19.09	22.69	21.90	21.59	24.76	<=30	Pass
		Edge 1RB Right	19.92	19.14	22.55	21.62	21.64	24.64	<=30	Pass
		Outer Full	20.51	19.72	23.14	22.21	22.22	25.23	<=30	Pass
		Inner Full	21.36	20.68	24.04	23.06	23.18	26.13	<=30	Pass
		Inner 1RB Left	21.64	20.57	24.15	23.34	23.07	26.22	<=30	Pass
		Inner 1RB Right	21.34	20.56	23.98	23.04	23.06	26.06	<=30	Pass
	3840	Edge 1RB Left	19.63	18.98	22.33	21.33	21.48	24.42	<=30	Pass
		Edge 1RB Right	20.05	18.78	22.47	21.75	21.28	24.53	<=30	Pass
		Outer Full	20.39	19.34	22.90	22.09	21.84	24.98	<=30	Pass
		Inner Full	21.38	20.34	23.90	23.08	22.84	25.97	<=30	Pass
		Inner 1RB Left	21.08	20.52	23.82	22.78	23.02	25.91	<=30	Pass
		Inner 1RB Right	21.31	20.20	23.80	23.01	22.70	25.87	<=30	Pass
	3939.99	Edge 1RB Left	20.04	19.15	22.63	21.74	21.65	24.71	<=30	Pass
		Edge 1RB Right	19.91	19.55	22.74	21.61	22.05	24.85	<=30	Pass
		Outer Full	20.44	19.96	23.22	22.14	22.46	25.31	<=30	Pass
		Inner Full	21.49	20.97	24.25	23.19	23.47	26.34	<=30	Pass
		Inner 1RB Left	21.50	20.60	24.08	23.20	23.10	26.16	<=30	Pass
		Inner 1RB Right	21.38	21.06	24.24	23.08	23.56	26.34	<=30	Pass
CP-OFDM 64 QAM	3740.01	Edge 1RB Left	19.86	19.06	22.49	21.56	21.56	24.57	<=30	Pass
		Edge 1RB Right	19.81	19.21	22.53	21.51	21.71	24.62	<=30	Pass
		Outer Full	20.01	19.18	22.62	21.71	21.68	24.71	<=30	Pass
		Inner Full	19.87	19.27	22.59	21.57	21.77	24.68	<=30	Pass
		Inner 1RB Left	19.92	19.15	22.56	21.62	21.65	24.65	<=30	Pass
		Inner 1RB Right	19.73	19.17	22.47	21.43	21.67	24.56	<=30	Pass
	3840	Edge 1RB Left	19.63	19.07	22.37	21.33	21.57	24.46	<=30	Pass
		Edge 1RB Right	19.85	18.80	22.36	21.55	21.30	24.44	<=30	Pass
		Outer Full	19.87	18.85	22.40	21.57	21.35	24.47	<=30	Pass
		Inner Full	19.86	18.86	22.40	21.56	21.36	24.47	<=30	Pass
		Inner 1RB Left	19.64	19.07	22.37	21.34	21.57	24.47	<=30	Pass
		Inner 1RB Right	19.85	18.73	22.33	21.55	21.23	24.40	<=30	Pass
	3939.99	Edge 1RB Left	20.03	19.17	22.63	21.73	21.67	24.71	<=30	Pass
		Edge 1RB Right	19.95	19.50	22.74	21.65	22.00	24.84	<=30	Pass
		Outer Full	19.95	19.46	22.72	21.65	21.96	24.82	<=30	Pass
		Inner Full	20.03	19.56	22.81	21.73	22.06	24.91	<=30	Pass
		Inner 1RB Left	19.95	19.07	22.54	21.65	21.57	24.62	<=30	Pass
		Inner 1RB Right	20.02	19.48	22.77	21.72	21.98	24.86	<=30	Pass

CP-OFDM 256 QAM	3740.01	Edge 1RB Left	17.03	16.05	19.58	18.73	18.55	21.65	<=30	Pass
		Edge 1RB Right	16.66	16.30	19.50	18.36	18.80	21.60	<=30	Pass
		Outer Full	17.09	16.27	19.71	18.79	18.77	21.79	<=30	Pass
		Inner Full	16.88	16.22	19.57	18.58	18.72	21.66	<=30	Pass
		Inner 1RB Left	17.00	15.93	19.50	18.70	18.43	21.58	<=30	Pass
		Inner 1RB Right	16.99	16.06	19.56	18.69	18.56	21.64	<=30	Pass
	3840	Edge 1RB Left	16.57	16.14	19.37	18.27	18.64	21.47	<=30	Pass
		Edge 1RB Right	16.76	15.88	19.35	18.46	18.38	21.43	<=30	Pass
		Outer Full	16.85	15.82	19.38	18.55	18.32	21.45	<=30	Pass
		Inner Full	16.88	15.83	19.39	18.58	18.33	21.47	<=30	Pass
		Inner 1RB Left	16.54	16.14	19.35	18.24	18.64	21.45	<=30	Pass
		Inner 1RB Right	16.75	15.92	19.36	18.45	18.42	21.45	<=30	Pass
	3939.99	Edge 1RB Left	17.08	16.06	19.61	18.78	18.56	21.68	<=30	Pass
		Edge 1RB Right	17.17	16.43	19.82	18.87	18.93	21.91	<=30	Pass
		Outer Full	17.04	16.49	19.78	18.74	18.99	21.88	<=30	Pass
		Inner Full	17.11	16.58	19.86	18.81	19.08	21.96	<=30	Pass
		Inner 1RB Left	17.00	16.40	19.72	18.70	18.90	21.81	<=30	Pass
		Inner 1RB Right	16.90	16.66	19.80	18.60	19.16	21.90	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.1.12 30k_MIMO_100MHz_NTNV_EIRP

5G NR n77a SCS=30kHz MIMO 100MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3750	Edge 1RB Left	19.88	19.13	22.53	21.58	21.63	24.62	<=30	Pass
		Edge 1RB Right	19.90	19.18	22.56	21.60	21.68	24.65	<=30	Pass
		Outer Full	20.31	19.65	23.00	22.01	22.15	25.09	<=30	Pass
		Inner Full	21.94	21.25	24.62	23.64	23.75	26.71	<=30	Pass
		Inner 1RB Left	21.89	21.02	24.49	23.59	23.52	26.57	<=30	Pass
		Inner 1RB Right	21.76	21.10	24.46	23.46	23.60	26.54	<=30	Pass
	3840	Edge 1RB Left	19.55	19.03	22.31	21.25	21.53	24.40	<=30	Pass
		Edge 1RB Right	19.73	19.16	22.46	21.43	21.66	24.56	<=30	Pass
		Outer Full	20.39	19.42	22.94	22.09	21.92	25.02	<=30	Pass
		Inner Full	21.87	20.83	24.39	23.57	23.33	26.46	<=30	Pass
		Inner 1RB Left	21.47	21.03	24.26	23.17	23.53	26.36	<=30	Pass
		Inner 1RB Right	21.77	21.16	24.49	23.47	23.66	26.58	<=30	Pass
	3930	Edge 1RB Left	19.82	18.87	22.38	21.52	21.37	24.46	<=30	Pass
		Edge 1RB Right	19.96	19.49	22.74	21.66	21.99	24.84	<=30	Pass
		Outer Full	20.44	19.74	23.11	22.14	22.24	25.20	<=30	Pass
		Inner Full	21.98	21.28	24.66	23.68	23.78	26.74	<=30	Pass
		Inner 1RB Left	21.76	20.78	24.30	23.46	23.28	26.38	<=30	Pass
		Inner 1RB Right	21.96	21.50	24.75	23.66	24.00	26.84	<=30	Pass
CP-OFDM 16 QAM	3750	Edge 1RB Left	20.19	19.09	22.69	21.89	21.59	24.75	<=30	Pass
		Edge 1RB Right	19.76	19.19	22.49	21.46	21.69	24.59	<=30	Pass
		Outer Full	20.36	19.67	23.04	22.06	22.17	25.13	<=30	Pass
		Inner Full	21.43	20.75	24.11	23.13	23.25	26.20	<=30	Pass
		Inner 1RB Left	21.39	20.52	23.98	23.09	23.02	26.07	<=30	Pass
		Inner 1RB Right	21.28	20.54	23.94	22.98	23.04	26.02	<=30	Pass
	3840	Edge 1RB Left	19.41	19.04	22.24	21.11	21.54	24.34	<=30	Pass
		Edge 1RB Right	19.84	19.03	22.47	21.54	21.53	24.55	<=30	Pass
		Outer Full	20.37	19.38	22.91	22.07	21.88	24.99	<=30	Pass
		Inner Full	21.38	20.40	23.92	23.08	22.90	26.00	<=30	Pass
		Inner 1RB Left	20.90	20.55	23.74	22.60	23.05	25.84	<=30	Pass
		Inner 1RB Right	21.17	20.58	23.89	22.87	23.08	25.99	<=30	Pass
	3930	Edge 1RB Left	19.78	18.87	22.36	21.48	21.37	24.44	<=30	Pass

		Edge 1RB Right	19.91	19.51	22.73	21.61	22.01	24.82	<=30	Pass
		Outer Full	20.45	19.73	23.11	22.15	22.23	25.20	<=30	Pass
		Inner Full	21.54	20.82	24.20	23.24	23.32	26.29	<=30	Pass
		Inner 1RB Left	21.21	20.33	23.80	22.91	22.83	25.88	<=30	Pass
		Inner 1RB Right	21.40	21.10	24.26	23.10	23.60	26.37	<=30	Pass
CP-OFDM 64 QAM	3750	Edge 1RB Left	19.76	19.20	22.50	21.46	21.70	24.59	<=30	Pass
		Edge 1RB Right	19.71	19.07	22.42	21.41	21.57	24.50	<=30	Pass
		Outer Full	19.91	19.23	22.59	21.61	21.73	24.68	<=30	Pass
		Inner Full	19.96	19.30	22.65	21.66	21.80	24.74	<=30	Pass
		Inner 1RB Left	19.93	18.95	22.48	21.63	21.45	24.55	<=30	Pass
		Inner 1RB Right	19.87	19.03	22.48	21.57	21.53	24.56	<=30	Pass
	3840	Edge 1RB Left	19.43	19.03	22.25	21.13	21.53	24.34	<=30	Pass
		Edge 1RB Right	19.71	19.03	22.40	21.41	21.53	24.48	<=30	Pass
		Outer Full	19.87	18.93	22.43	21.57	21.43	24.51	<=30	Pass
		Inner Full	19.95	18.88	22.46	21.65	21.38	24.53	<=30	Pass
		Inner 1RB Left	19.49	18.85	22.20	21.19	21.35	24.28	<=30	Pass
		Inner 1RB Right	19.77	18.93	22.38	21.47	21.43	24.46	<=30	Pass
	3930	Edge 1RB Left	19.73	18.92	22.35	21.43	21.42	24.44	<=30	Pass
		Edge 1RB Right	20.07	19.44	22.78	21.77	21.94	24.87	<=30	Pass
		Outer Full	19.98	19.31	22.67	21.68	21.81	24.76	<=30	Pass
		Inner Full	20.08	19.32	22.73	21.78	21.82	24.81	<=30	Pass
		Inner 1RB Left	19.81	18.82	22.35	21.51	21.32	24.43	<=30	Pass
		Inner 1RB Right	20.07	19.38	22.75	21.77	21.88	24.84	<=30	Pass
CP-OFDM 256 QAM	3750	Edge 1RB Left	16.73	16.26	19.51	18.43	18.76	21.61	<=30	Pass
		Edge 1RB Right	16.70	16.29	19.51	18.40	18.79	21.61	<=30	Pass
		Outer Full	16.97	16.34	19.68	18.67	18.84	21.77	<=30	Pass
		Inner Full	16.94	16.30	19.64	18.64	18.80	21.73	<=30	Pass
		Inner 1RB Left	16.79	16.21	19.52	18.49	18.71	21.61	<=30	Pass
		Inner 1RB Right	16.67	16.35	19.53	18.37	18.85	21.63	<=30	Pass
	3840	Edge 1RB Left	16.37	16.09	19.24	18.07	18.59	21.35	<=30	Pass
		Edge 1RB Right	16.59	16.23	19.43	18.29	18.73	21.53	<=30	Pass
		Outer Full	16.81	15.96	19.42	18.51	18.46	21.50	<=30	Pass
		Inner Full	16.99	15.82	19.45	18.69	18.32	21.52	<=30	Pass
		Inner 1RB Left	16.27	16.15	19.22	17.97	18.65	21.33	<=30	Pass
		Inner 1RB Right	16.58	16.34	19.47	18.28	18.84	21.58	<=30	Pass
	3930	Edge 1RB Left	16.98	15.76	19.42	18.68	18.26	21.49	<=30	Pass
		Edge 1RB Right	16.95	16.77	19.87	18.65	19.27	21.98	<=30	Pass
		Outer Full	16.94	16.29	19.63	18.64	18.79	21.73	<=30	Pass
		Inner Full	17.14	16.37	19.78	18.84	18.87	21.87	<=30	Pass
		Inner 1RB Left	16.94	15.76	19.40	18.64	18.26	21.46	<=30	Pass
		Inner 1RB Right	17.21	16.37	19.82	18.91	18.87	21.90	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

2. Frequency Stability

2.1 Test Result

2.1.1 30k_SISO_100MHz

5G NR n77a SCS=30kHz SISO 100MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	20	LV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-13.40	-0.0035	>=-2.5 & <=2.5	Pass

			-30	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	3.50	0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	12.40	0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	8.70	0.0023	>=-2.5 & <=2.5	Pass
			20	NV	3.70	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	5.30	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	3.10	0.0008	>=-2.5 & <=2.5	Pass
			50	NV	10.10	0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	3.20	0.0008	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	1.50	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	13.20	0.0034	>=-2.5 & <=2.5	Pass
			0	NV	8.00	0.0021	>=-2.5 & <=2.5	Pass
			10	NV	8.30	0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-16.50	-0.0043	>=-2.5 & <=2.5	Pass
			30	NV	-11.90	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-15.50	-0.0040	>=-2.5 & <=2.5	Pass
			-30	NV	-16.30	-0.0042	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	15.20	0.0040	>=-2.5 & <=2.5	Pass
			0	NV	9.00	0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-12.70	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-15.10	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-12.20	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	12.90	0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-2.00	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-10.20	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	4.00	0.0010	>=-2.5 & <=2.5	Pass
			20	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	4.20	0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-13.30	-0.0035	>=-2.5 & <=2.5	Pass
				HV	6.60	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	4.60	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	16.30	0.0042	>=-2.5 & <=2.5	Pass
			-10	NV	-11.90	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	3.70	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-14.00	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-15.50	-0.0040	>=-2.5 & <=2.5	Pass
			40	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	9.20	0.0024	>=-2.5 & <=2.5	Pass
				HV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	2.50	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass

			10	NV	12.50	0.0033	>=-2.5 & <=2.5	Pass
			20	NV	1.30	0.0003	>=-2.5 & <=2.5	Pass
			30	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-18.30	-0.0048	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-21.10	-0.0055	>=-2.5 & <=2.5	Pass
				HV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-18.10	-0.0047	>=-2.5 & <=2.5	Pass
			-20	NV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-11.50	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-16.60	-0.0043	>=-2.5 & <=2.5	Pass
			20	NV	2.10	0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-18.50	-0.0048	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	4.40	0.0011	>=-2.5 & <=2.5	Pass
				HV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-20.50	-0.0053	>=-2.5 & <=2.5	Pass
			-20	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-13.10	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	6.40	0.0017	>=-2.5 & <=2.5	Pass
			20	NV	11.80	0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-13.80	-0.0036	>=-2.5 & <=2.5	Pass
			-30	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-12.30	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-13.80	-0.0036	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_20MHz_NTNV

5G NR n77a SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3710.01	Outer_Full	18.05	19.24	/	Pass
	3840	Outer_Full	18.10	19.43	/	Pass
	3969.99	Outer_Full	18.19	19.47	/	Pass
DFT-s-OFDM QPSK	3710.01	Outer_Full	18.14	19.32	/	Pass
	3840	Outer_Full	18.20	19.67	/	Pass
	3969.99	Outer_Full	17.97	19.44	/	Pass
DFT-s-OFDM 16 QAM	3710.01	Outer_Full	18.10	19.65	/	Pass
	3840	Outer_Full	18.12	19.61	/	Pass

	3969.99	Outer_Full	18.11	19.79	/	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	18.17	19.66	/	Pass
	3840	Outer_Full	18.03	19.33	/	Pass
	3969.99	Outer_Full	18.14	19.26	/	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	18.07	19.52	/	Pass
	3840	Outer_Full	18.01	19.82	/	Pass
	3969.99	Outer_Full	18.07	19.37	/	Pass
CP-OFDM QPSK	3710.01	Outer_Full	18.29	19.90	/	Pass
	3840	Outer_Full	18.44	19.61	/	Pass
	3969.99	Outer_Full	18.37	19.70	/	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	18.34	19.81	/	Pass
	3840	Outer_Full	18.46	19.87	/	Pass
	3969.99	Outer_Full	18.35	19.59	/	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	18.34	19.93	/	Pass
	3840	Outer_Full	18.40	19.79	/	Pass
	3969.99	Outer_Full	18.35	19.86	/	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	18.43	19.92	/	Pass
	3840	Outer_Full	18.32	19.75	/	Pass
	3969.99	Outer_Full	18.28	19.79	/	Pass

3.1.2 30k_SISO_30MHz_NTNV

5G NR n77a SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3715.02	Outer_Full	27.19	28.85	/	Pass
	3840	Outer_Full	27.14	29.13	/	Pass
	3964.98	Outer_Full	27.07	28.80	/	Pass
DFT-s-OFDM QPSK	3715.02	Outer_Full	27.16	29.03	/	Pass
	3840	Outer_Full	27.22	29.00	/	Pass
	3964.98	Outer_Full	27.10	28.88	/	Pass
DFT-s-OFDM 16 QAM	3715.02	Outer_Full	27.19	29.32	/	Pass
	3840	Outer_Full	27.16	29.05	/	Pass
	3964.98	Outer_Full	27.19	28.97	/	Pass
DFT-s-OFDM 64 QAM	3715.02	Outer_Full	26.97	28.91	/	Pass
	3840	Outer_Full	27.24	28.94	/	Pass
	3964.98	Outer_Full	27.07	29.13	/	Pass
DFT-s-OFDM 256 QAM	3715.02	Outer_Full	27.10	29.00	/	Pass
	3840	Outer_Full	26.98	28.98	/	Pass
	3964.98	Outer_Full	27.20	28.85	/	Pass
CP-OFDM QPSK	3715.02	Outer_Full	28.18	30.21	/	Pass
	3840	Outer_Full	28.02	29.99	/	Pass
	3964.98	Outer_Full	28.10	30.12	/	Pass
CP-OFDM 16 QAM	3715.02	Outer_Full	28.05	29.98	/	Pass
	3840	Outer_Full	28.17	30.00	/	Pass
	3964.98	Outer_Full	28.08	30.06	/	Pass
CP-OFDM 64 QAM	3715.02	Outer_Full	28.09	29.84	/	Pass
	3840	Outer_Full	28.00	30.06	/	Pass
	3964.98	Outer_Full	27.92	29.93	/	Pass
CP-OFDM 256 QAM	3715.02	Outer_Full	28.05	29.98	/	Pass
	3840	Outer_Full	28.13	30.22	/	Pass
	3964.98	Outer_Full	27.99	29.97	/	Pass

3.1.3 30k_SISO_40MHz_NTNV

5G NR n77a SCS=30kHz SISO 40MHz NTN

Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3720	Outer_Full	36.00	38.42	/	Pass
	3840	Outer_Full	35.99	38.49	/	Pass
	3960	Outer_Full	35.81	38.45	/	Pass
DFT-s-OFDM QPSK	3720	Outer_Full	36.09	38.63	/	Pass
	3840	Outer_Full	36.18	38.72	/	Pass
	3960	Outer_Full	35.80	38.40	/	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	36.08	38.51	/	Pass
	3840	Outer_Full	36.07	38.65	/	Pass
	3960	Outer_Full	35.73	39.07	/	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	35.98	38.55	/	Pass
	3840	Outer_Full	36.17	38.60	/	Pass
	3960	Outer_Full	36.16	38.29	/	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	36.16	38.40	/	Pass
	3840	Outer_Full	36.14	38.60	/	Pass
	3960	Outer_Full	36.23	38.36	/	Pass
CP-OFDM QPSK	3720	Outer_Full	38.01	40.55	/	Pass
	3840	Outer_Full	38.12	40.68	/	Pass
	3960	Outer_Full	38.02	40.51	/	Pass
CP-OFDM 16 QAM	3720	Outer_Full	38.22	40.52	/	Pass
	3840	Outer_Full	38.24	40.56	/	Pass
	3960	Outer_Full	38.12	40.52	/	Pass
CP-OFDM 64 QAM	3720	Outer_Full	38.01	40.59	/	Pass
	3840	Outer_Full	38.09	40.89	/	Pass
	3960	Outer_Full	37.98	40.59	/	Pass
CP-OFDM 256 QAM	3720	Outer_Full	37.98	41.08	/	Pass
	3840	Outer_Full	38.07	40.76	/	Pass
	3960	Outer_Full	38.30	40.48	/	Pass

3.1.4 30k_SISO_60MHz_NTNV

5G NR n77a SCS=30kHz SISO 60MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3730.02	Outer_Full	58.39	62.36	/	Pass
	3840	Outer_Full	58.40	61.40	/	Pass
	3949.98	Outer_Full	58.17	62.12	/	Pass
DFT-s-OFDM QPSK	3730.02	Outer_Full	58.52	62.16	/	Pass
	3840	Outer_Full	58.49	62.17	/	Pass
	3949.98	Outer_Full	58.31	62.04	/	Pass
DFT-s-OFDM 16 QAM	3730.02	Outer_Full	58.21	61.70	/	Pass
	3840	Outer_Full	58.62	62.10	/	Pass
	3949.98	Outer_Full	58.17	61.91	/	Pass
DFT-s-OFDM 64 QAM	3730.02	Outer_Full	58.20	61.79	/	Pass
	3840	Outer_Full	57.87	62.11	/	Pass
	3949.98	Outer_Full	58.20	61.99	/	Pass
DFT-s-OFDM 256 QAM	3730.02	Outer_Full	58.16	62.10	/	Pass
	3840	Outer_Full	58.04	62.22	/	Pass
	3949.98	Outer_Full	58.22	61.94	/	Pass
CP-OFDM QPSK	3730.02	Outer_Full	58.38	62.19	/	Pass
	3840	Outer_Full	58.37	62.04	/	Pass
	3949.98	Outer_Full	58.06	61.86	/	Pass
CP-OFDM 16 QAM	3730.02	Outer_Full	58.29	62.00	/	Pass
	3840	Outer_Full	58.24	61.79	/	Pass
	3949.98	Outer_Full	58.30	61.75	/	Pass
CP-OFDM 64 QAM	3730.02	Outer_Full	58.28	61.93	/	Pass
	3840	Outer_Full	58.37	61.88	/	Pass

CP-OFDM 256 QAM	3949.98	Outer_Full	57.71	61.80	/	Pass
	3730.02	Outer_Full	58.40	61.80	/	Pass
	3840	Outer_Full	58.25	62.13	/	Pass
	3949.98	Outer_Full	58.01	61.82	/	Pass

3.1.5 30k_SISO_80MHz_NTNV

5G NR n77a SCS=30kHz SISO 80MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3740.01	Outer_Full	77.92	82.84	/	Pass
	3840	Outer_Full	77.63	82.92	/	Pass
	3939.99	Outer_Full	78.02	82.97	/	Pass
DFT-s-OFDM QPSK	3740.01	Outer_Full	77.59	82.83	/	Pass
	3840	Outer_Full	77.76	82.91	/	Pass
	3939.99	Outer_Full	77.58	82.55	/	Pass
DFT-s-OFDM 16 QAM	3740.01	Outer_Full	77.68	82.59	/	Pass
	3840	Outer_Full	78.13	82.87	/	Pass
	3939.99	Outer_Full	77.59	83.06	/	Pass
DFT-s-OFDM 64 QAM	3740.01	Outer_Full	77.52	82.83	/	Pass
	3840	Outer_Full	77.77	82.73	/	Pass
	3939.99	Outer_Full	77.87	82.88	/	Pass
DFT-s-OFDM 256 QAM	3740.01	Outer_Full	77.77	82.57	/	Pass
	3840	Outer_Full	77.57	82.76	/	Pass
	3939.99	Outer_Full	77.75	82.44	/	Pass
CP-OFDM QPSK	3740.01	Outer_Full	78.27	83.04	/	Pass
	3840	Outer_Full	77.99	83.29	/	Pass
	3939.99	Outer_Full	78.45	83.03	/	Pass
CP-OFDM 16 QAM	3740.01	Outer_Full	78.31	83.22	/	Pass
	3840	Outer_Full	77.74	82.91	/	Pass
	3939.99	Outer_Full	77.70	82.83	/	Pass
CP-OFDM 64 QAM	3740.01	Outer_Full	78.15	82.94	/	Pass
	3840	Outer_Full	78.10	83.11	/	Pass
	3939.99	Outer_Full	78.10	82.93	/	Pass
CP-OFDM 256 QAM	3740.01	Outer_Full	78.52	83.04	/	Pass
	3840	Outer_Full	78.24	83.02	/	Pass
	3939.99	Outer_Full	77.90	82.75	/	Pass

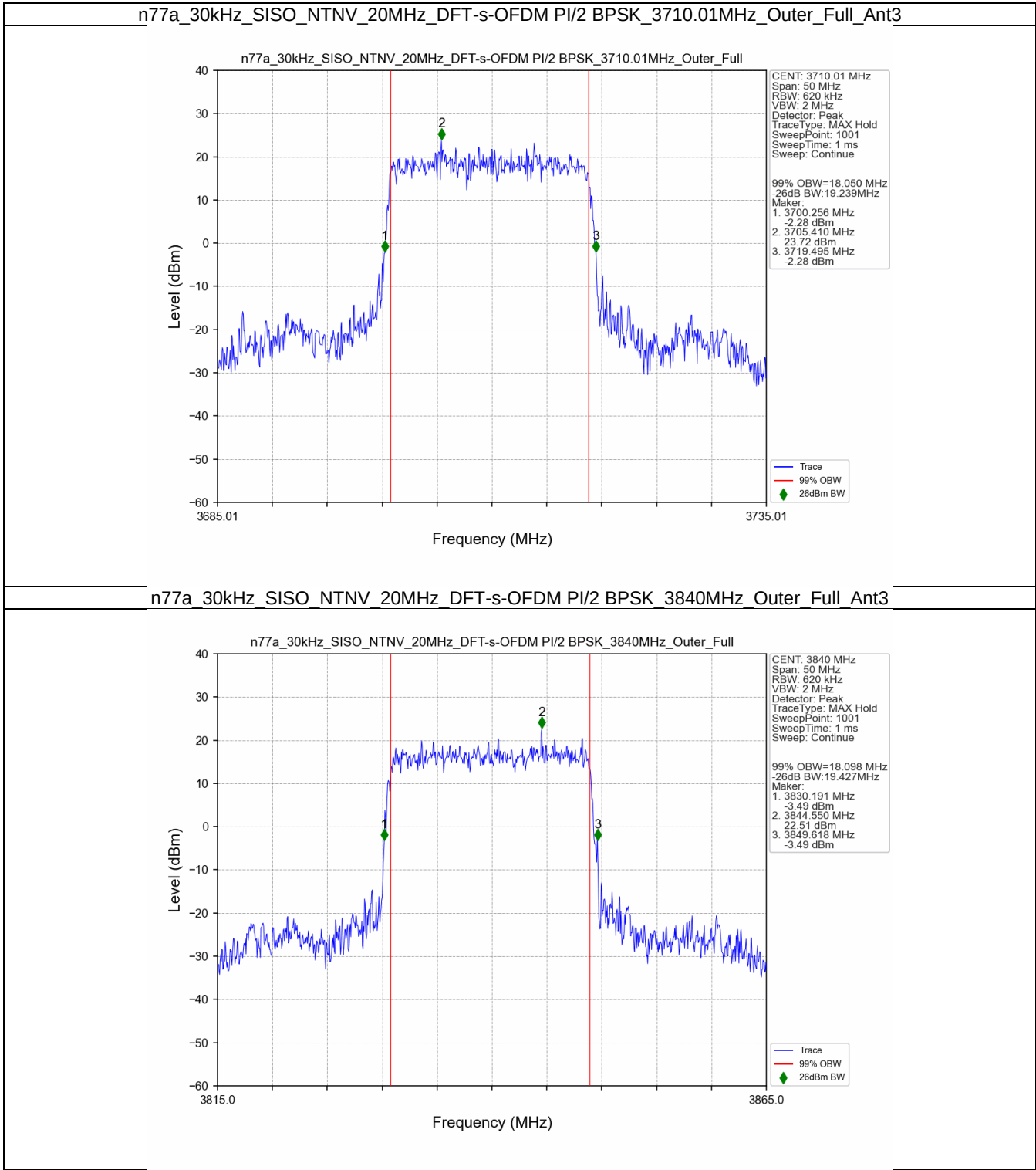
3.1.6 30k_SISO_100MHz_NTNV

5G NR n77a SCS=30kHz SISO 100MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	96.97	103.01	/	Pass
	3840	Outer_Full	97.12	103.84	/	Pass
	3930	Outer_Full	97.15	102.56	/	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	96.52	103.25	/	Pass
	3840	Outer_Full	96.96	103.36	/	Pass
	3930	Outer_Full	97.00	103.51	/	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	96.79	103.69	/	Pass
	3840	Outer_Full	97.82	103.16	/	Pass
	3930	Outer_Full	96.67	102.77	/	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	96.71	103.49	/	Pass
	3840	Outer_Full	97.20	103.55	/	Pass
	3930	Outer_Full	96.85	103.11	/	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	96.91	103.08	/	Pass

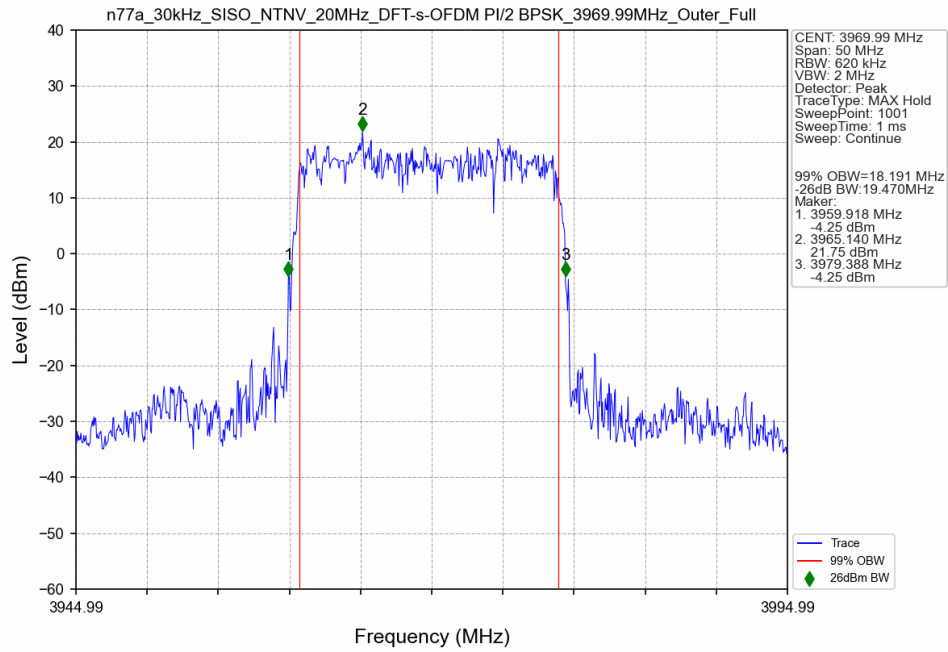
	3840	Outer_Full	97.59	103.45	/	Pass
	3930	Outer_Full	96.54	103.09	/	Pass
CP-OFDM QPSK	3750	Outer_Full	98.23	103.92	/	Pass
	3840	Outer_Full	98.29	104.37	/	Pass
	3930	Outer_Full	98.14	104.11	/	Pass
CP-OFDM 16 QAM	3750	Outer_Full	97.96	104.52	/	Pass
	3840	Outer_Full	98.05	104.67	/	Pass
	3930	Outer_Full	97.73	104.55	/	Pass
CP-OFDM 64 QAM	3750	Outer_Full	97.95	104.14	/	Pass
	3840	Outer_Full	98.36	104.53	/	Pass
	3930	Outer_Full	97.97	104.49	/	Pass
CP-OFDM 256 QAM	3750	Outer_Full	98.53	104.62	/	Pass
	3840	Outer_Full	98.14	104.47	/	Pass
	3930	Outer_Full	99.07	104.56	/	Pass

3.2 Test Graph

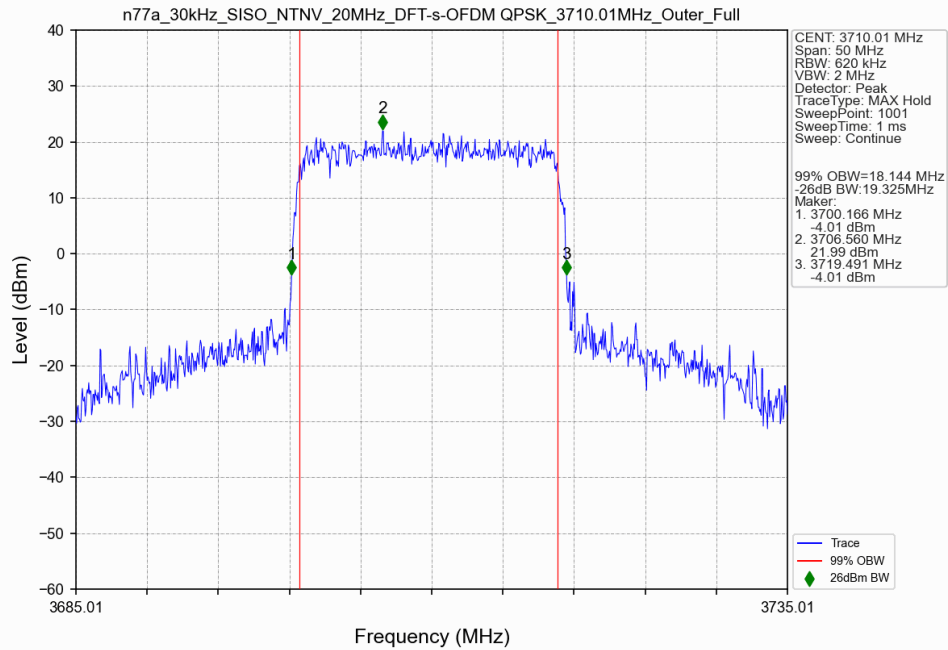
3.2.1 30k_SISO_20MHz_NTNV



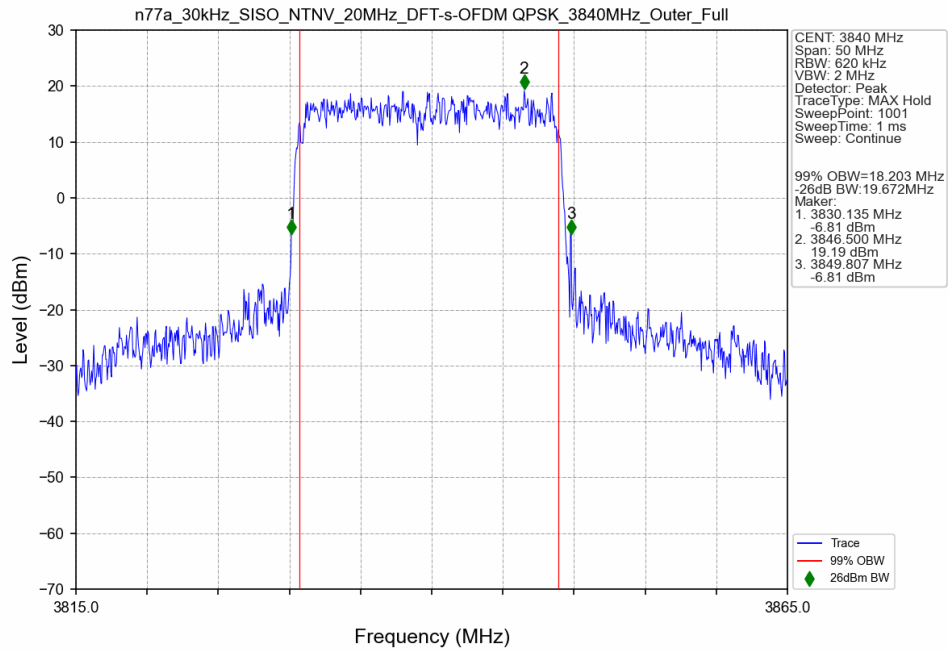
n77a 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 3969.99MHz Outer Full Ant3



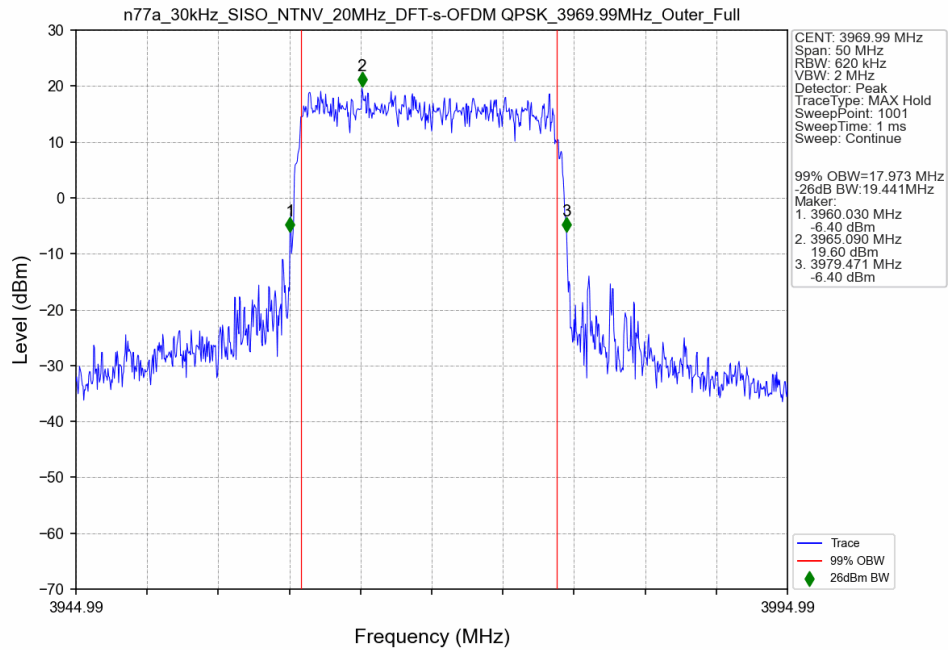
n77a 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3710.01MHz Outer Full Ant3



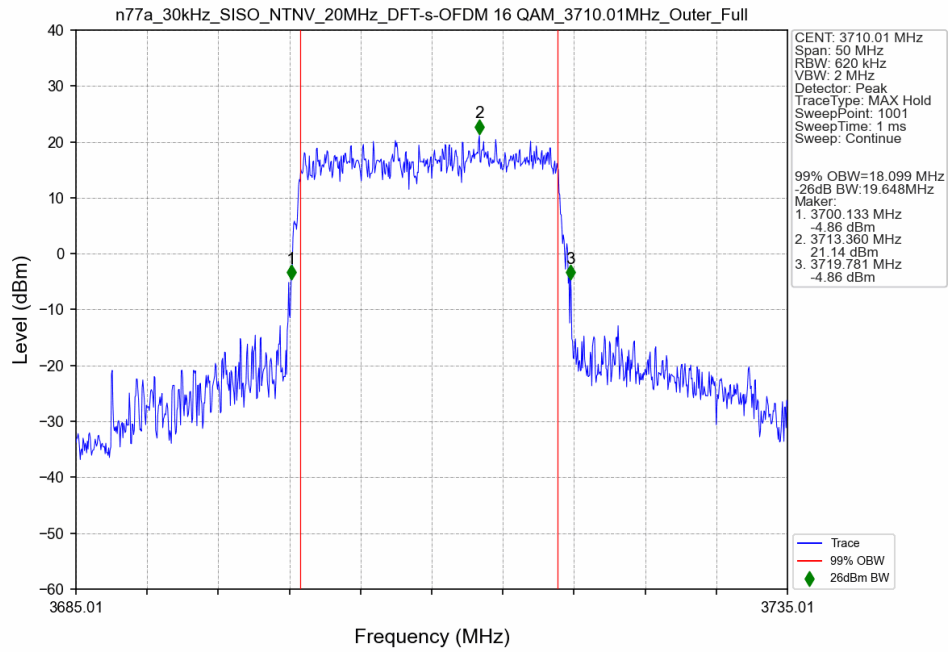
n77a 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3840MHz Outer Full Ant3



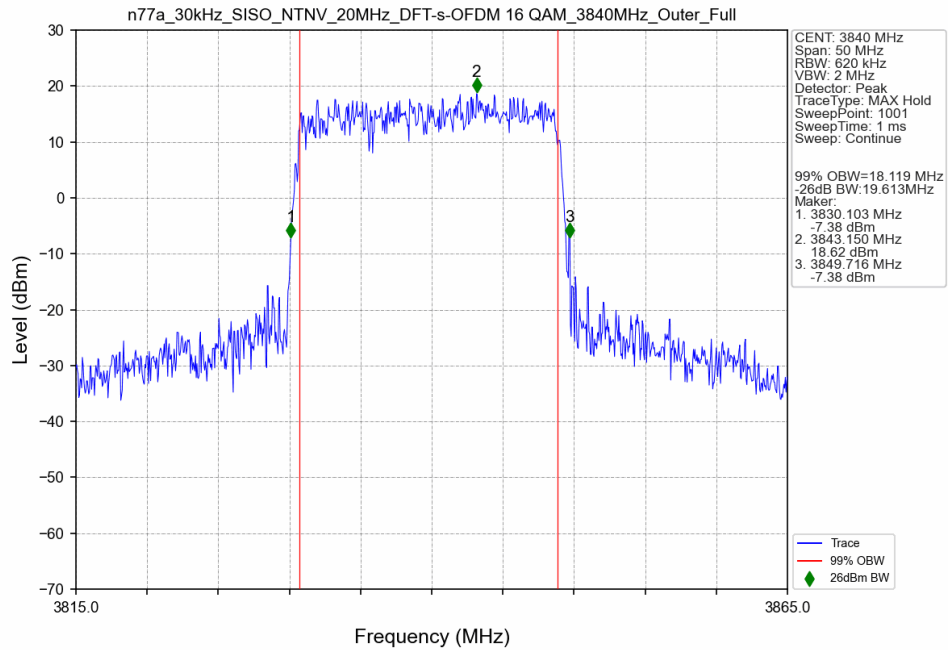
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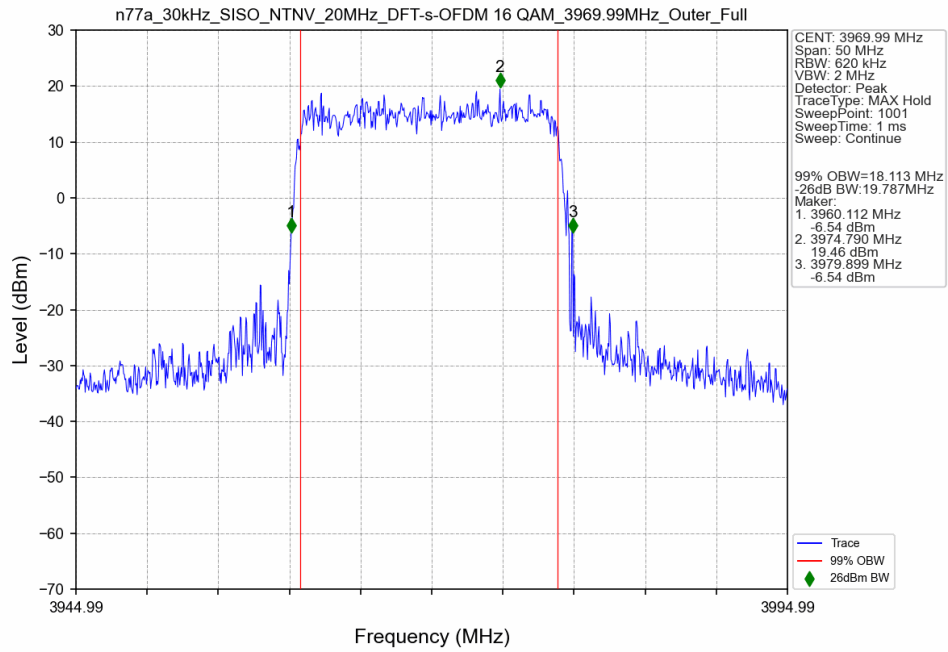
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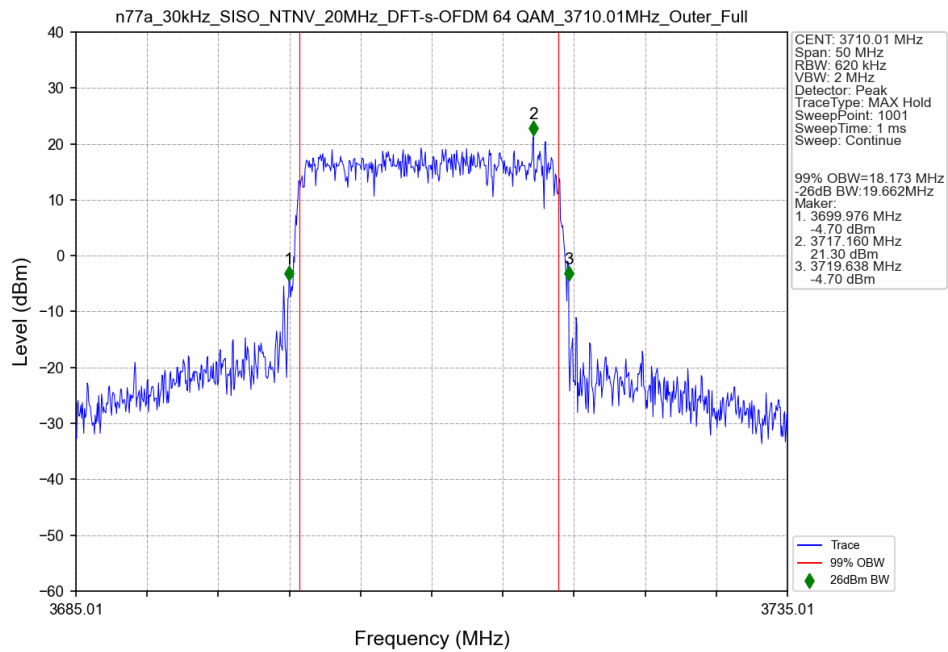
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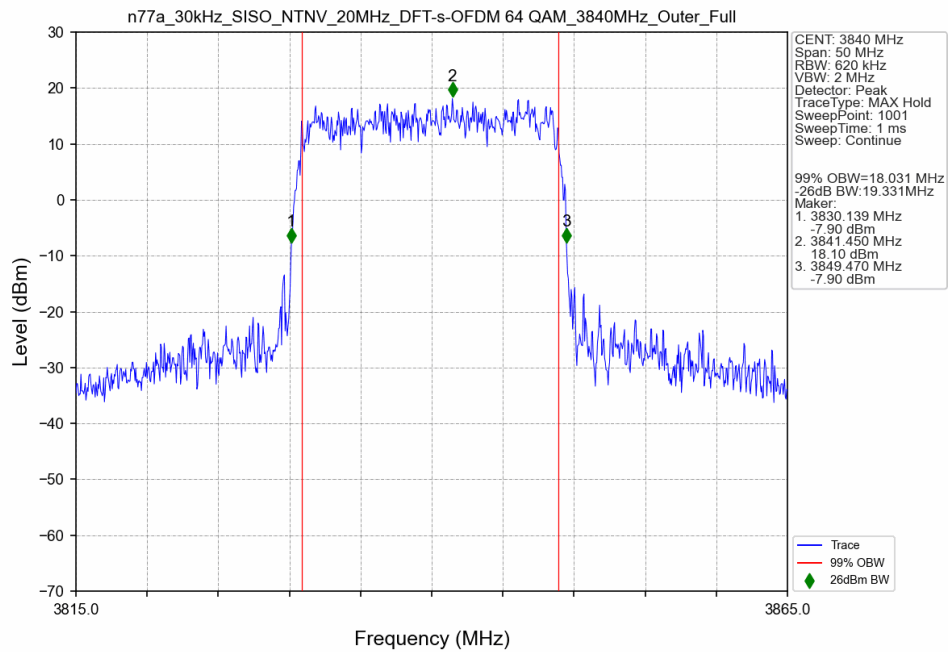
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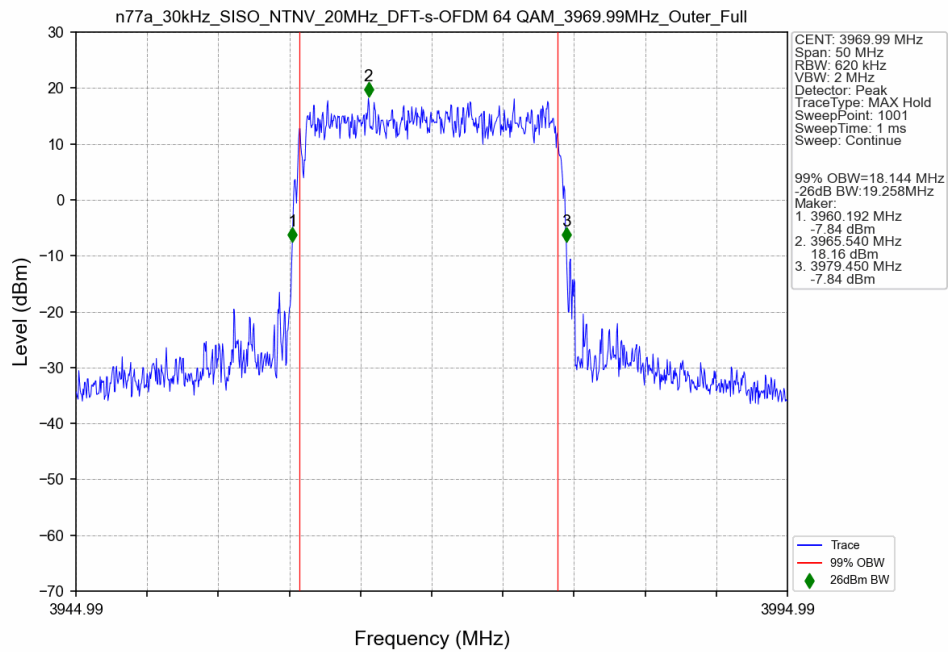
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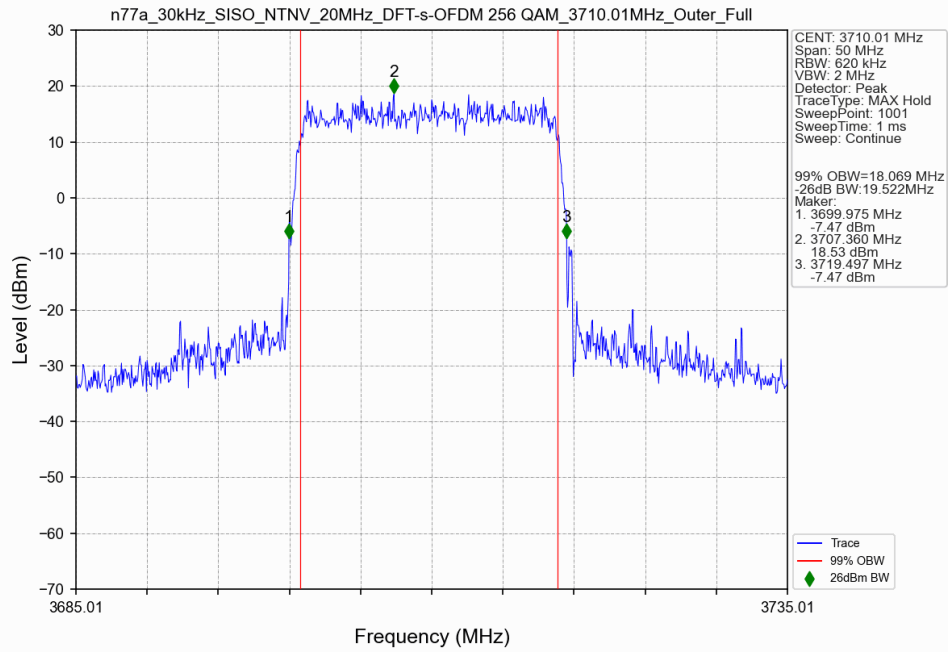
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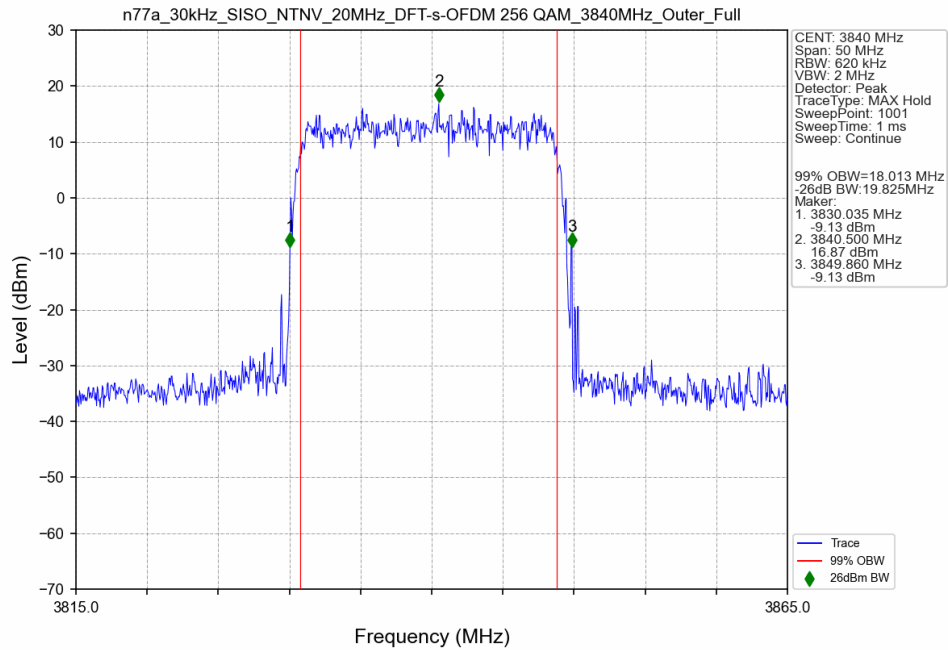
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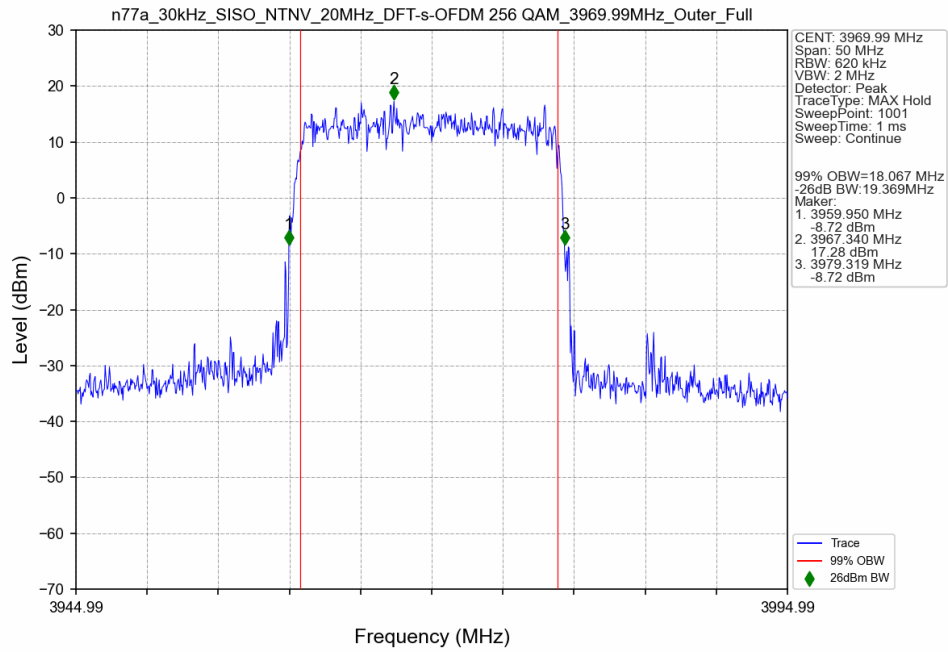
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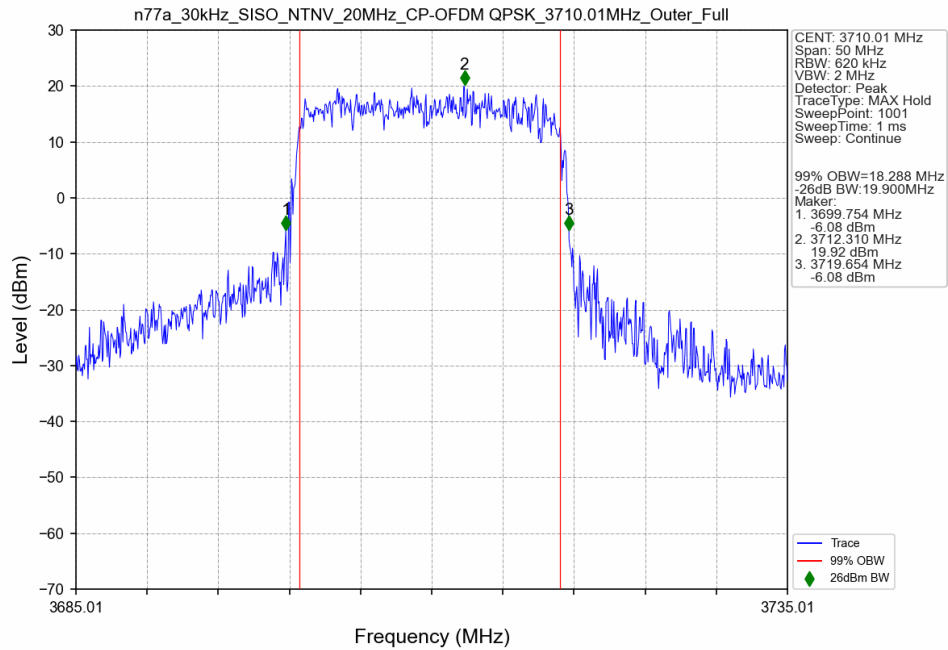
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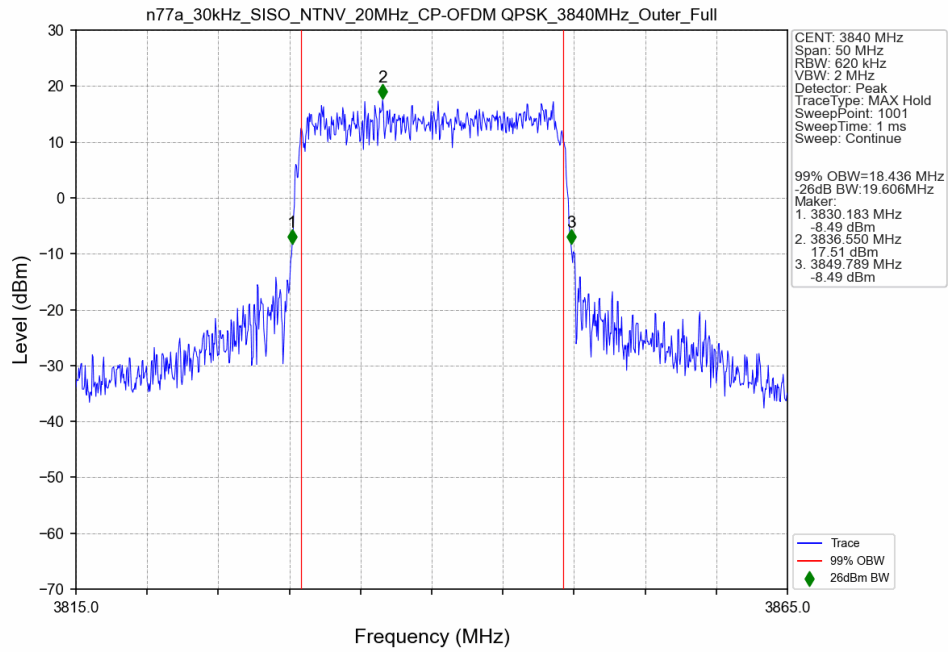
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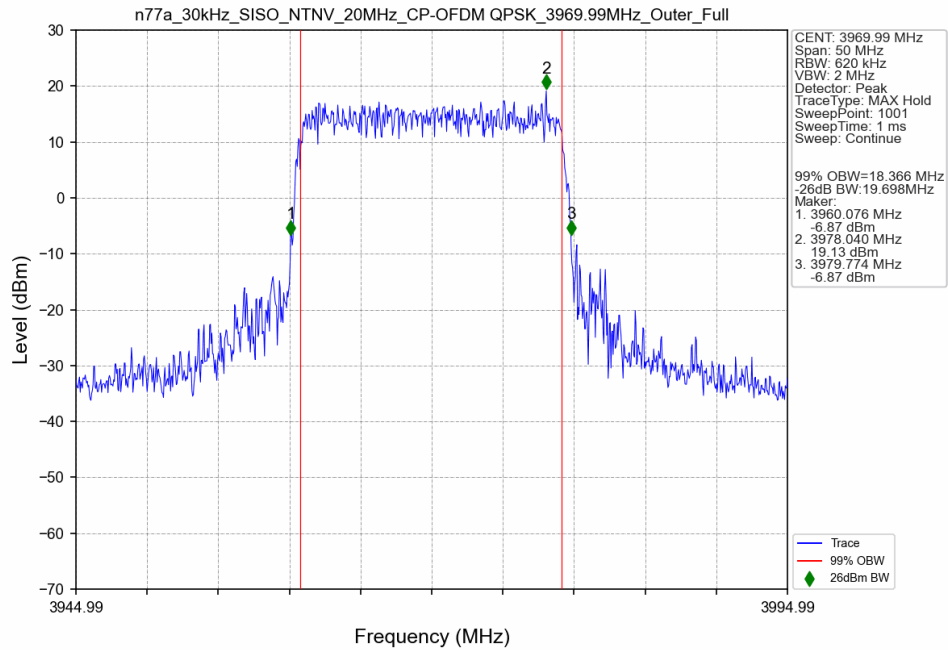
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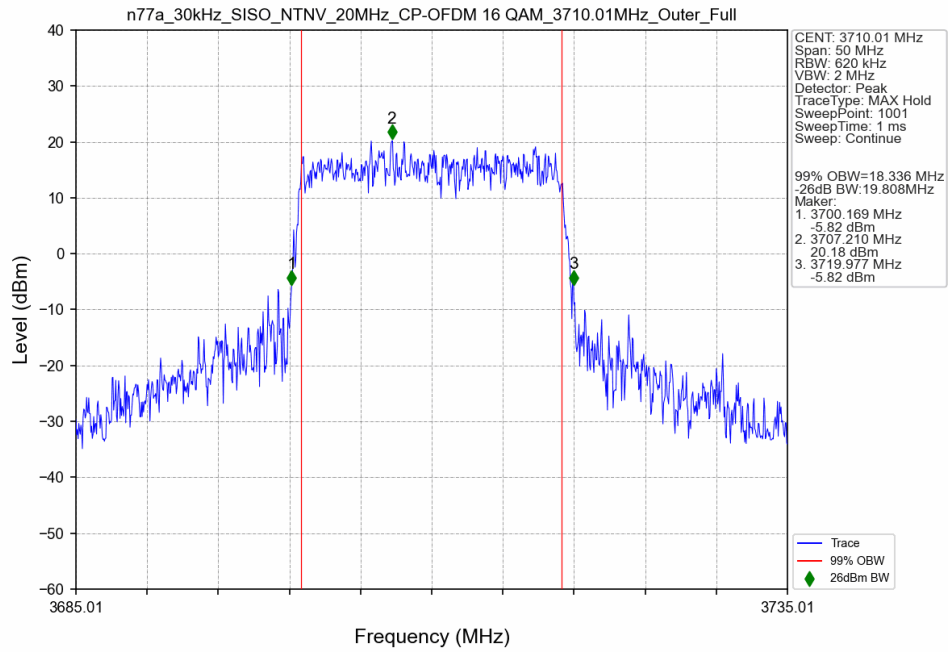
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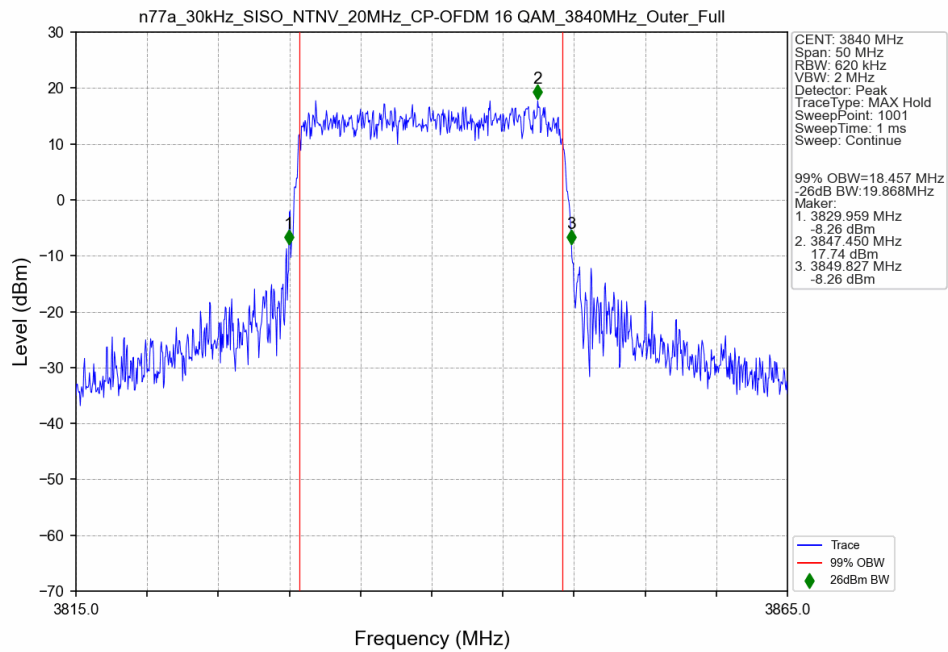
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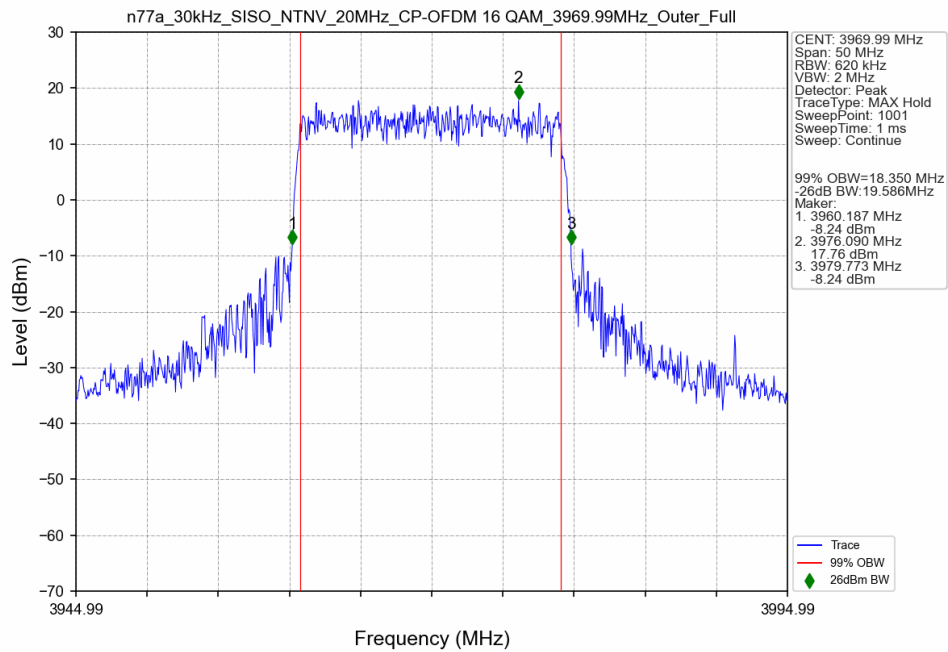
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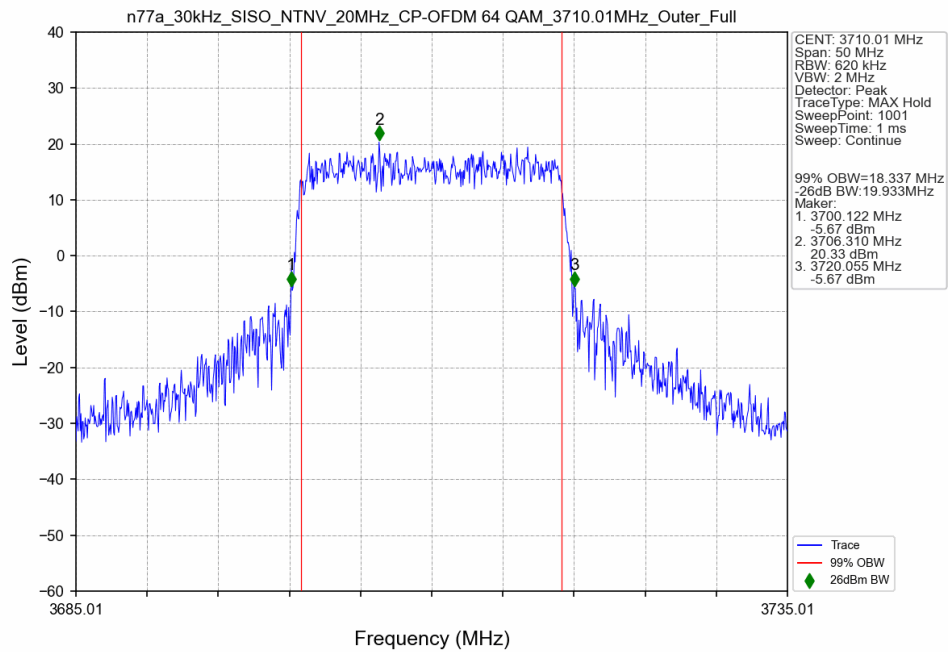
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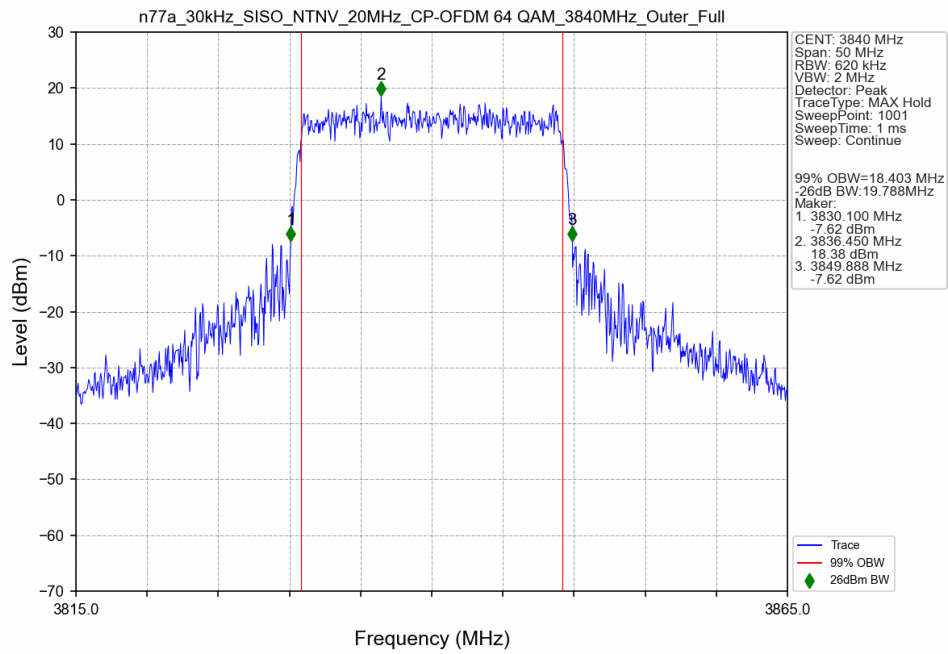
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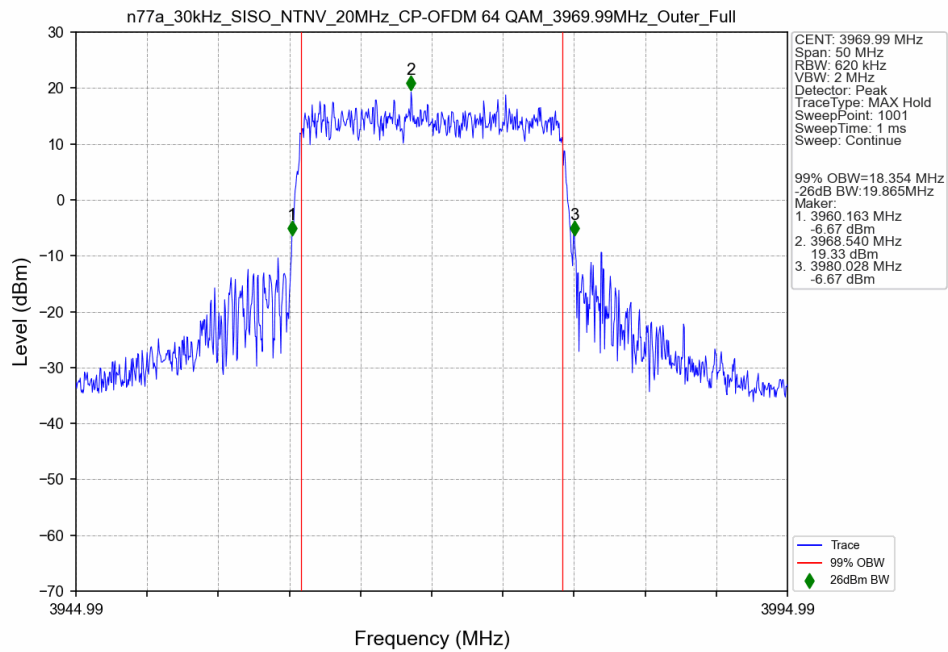
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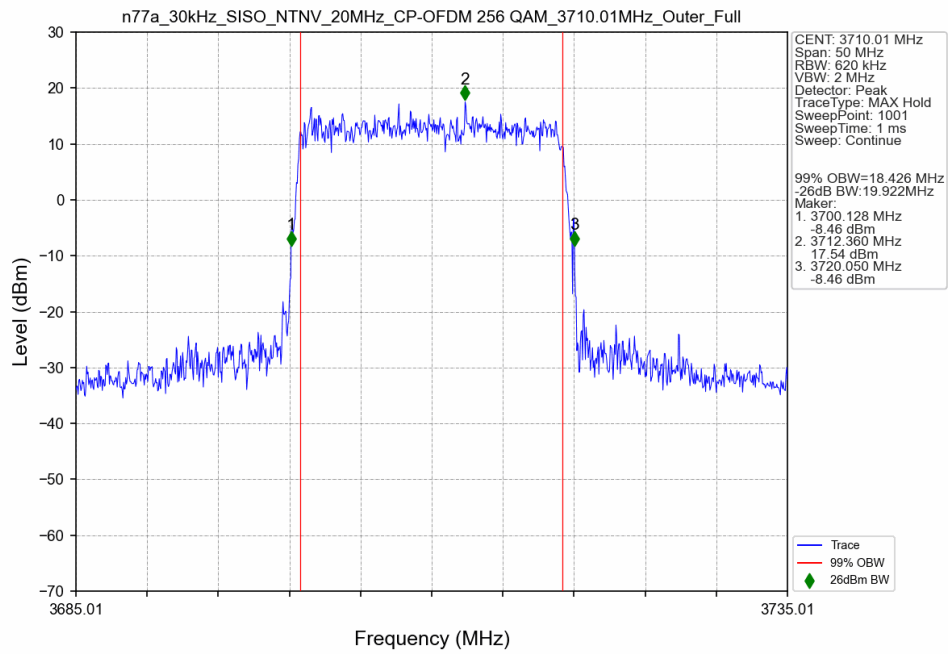
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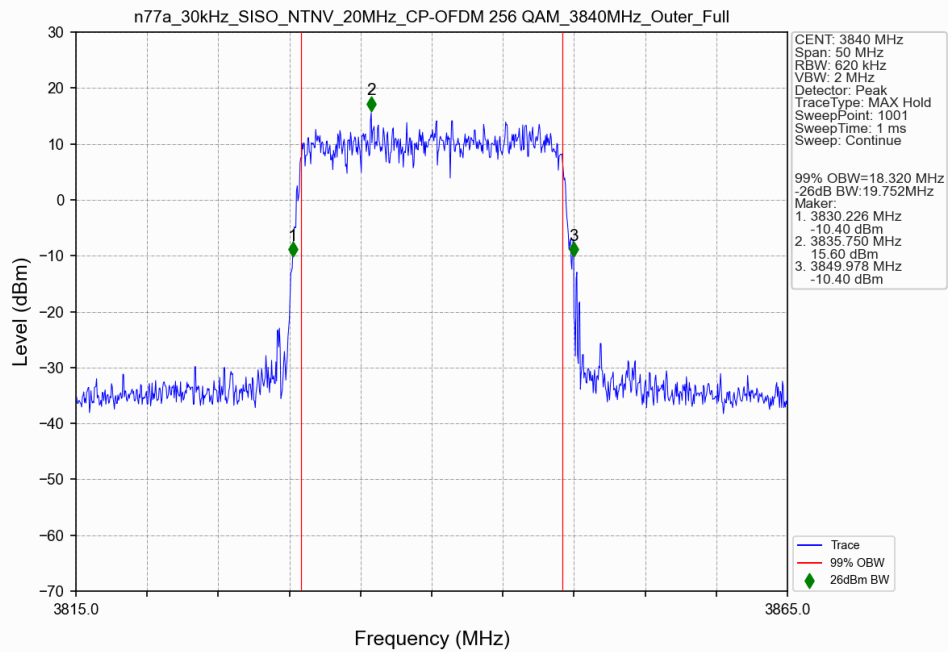
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n77a 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3710.01MHz Outer Full Ant3



n77a 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3840MHz Outer Full Ant3



n77a 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3969.99MHz Outer Full Ant3

