

1. Effective (Isotropic) Radiated Power Output Data

1.1 30k_SISO_20MHz_NTNV_EIRP

1.1.1 Test Result

5G NR n77a SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3710.01	Edge_1RB_Left	22.04	/	/	25.86	/	/	<=30	Pass
		Edge_1RB_Right	22.04	/	/	25.86	/	/	<=30	Pass
		Outer_Full	22.08	/	/	25.90	/	/	<=30	Pass
		Inner_Full	23.04	/	/	26.86	/	/	<=30	Pass
		Inner_1RB_Left	23.05	/	/	26.87	/	/	<=30	Pass
		Inner_1RB_Right	23.03	/	/	26.85	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.88	/	/	25.70	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	25.83	/	/	<=30	Pass
		Outer_Full	22.00	/	/	25.82	/	/	<=30	Pass
		Inner_Full	22.96	/	/	26.78	/	/	<=30	Pass
		Inner_1RB_Left	22.93	/	/	26.75	/	/	<=30	Pass
		Inner_1RB_Right	23.08	/	/	26.90	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.87	/	/	25.69	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	25.66	/	/	<=30	Pass
		Outer_Full	21.87	/	/	25.69	/	/	<=30	Pass
		Inner_Full	22.83	/	/	26.65	/	/	<=30	Pass
		Inner_1RB_Left	22.86	/	/	26.68	/	/	<=30	Pass
		Inner_1RB_Right	22.84	/	/	26.66	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3710.01	Edge_1RB_Left	20.49	/	/	24.31	/	/	<=30	Pass
		Edge_1RB_Right	20.51	/	/	24.33	/	/	<=30	Pass
		Outer_Full	20.52	/	/	24.34	/	/	<=30	Pass
		Inner_Full	20.51	/	/	24.33	/	/	<=30	Pass
		Inner_1RB_Left	20.49	/	/	24.31	/	/	<=30	Pass
		Inner_1RB_Right	20.39	/	/	24.21	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.53	/	/	24.35	/	/	<=30	Pass
		Edge_1RB_Right	20.58	/	/	24.40	/	/	<=30	Pass
		Outer_Full	20.52	/	/	24.34	/	/	<=30	Pass
		Inner_Full	20.50	/	/	24.32	/	/	<=30	Pass
		Inner_1RB_Left	20.42	/	/	24.24	/	/	<=30	Pass
		Inner_1RB_Right	20.62	/	/	24.44	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	20.22	/	/	24.04	/	/	<=30	Pass
		Edge_1RB_Right	20.34	/	/	24.16	/	/	<=30	Pass
		Outer_Full	20.41	/	/	24.23	/	/	<=30	Pass
		Inner_Full	20.41	/	/	24.23	/	/	<=30	Pass
		Inner_1RB_Left	20.25	/	/	24.07	/	/	<=30	Pass
		Inner_1RB_Right	20.39	/	/	24.21	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Edge_1RB_Left	18.53	/	/	22.35	/	/	<=30	Pass
		Edge_1RB_Right	18.69	/	/	22.51	/	/	<=30	Pass
		Outer_Full	18.53	/	/	22.35	/	/	<=30	Pass
		Inner_Full	18.49	/	/	22.31	/	/	<=30	Pass
		Inner_1RB_Left	18.60	/	/	22.42	/	/	<=30	Pass
		Inner_1RB_Right	18.76	/	/	22.58	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.64	/	/	22.46	/	/	<=30	Pass
		Edge_1RB_Right	18.68	/	/	22.50	/	/	<=30	Pass
		Outer_Full	18.57	/	/	22.39	/	/	<=30	Pass
		Inner_Full	18.48	/	/	22.30	/	/	<=30	Pass

		Inner_1RB_Left	18.37	/	/	22.19	/	/	<=30	Pass
		Inner_1RB_Right	18.70	/	/	22.52	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	18.56	/	/	22.38	/	/	<=30	Pass
		Edge_1RB_Right	18.27	/	/	22.09	/	/	<=30	Pass
		Outer_Full	18.41	/	/	22.23	/	/	<=30	Pass
		Inner_Full	18.37	/	/	22.19	/	/	<=30	Pass
		Inner_1RB_Left	18.48	/	/	22.30	/	/	<=30	Pass
		Inner_1RB_Right	18.22	/	/	22.04	/	/	<=30	Pass
CP-OFDM QPSK	3710.01	Edge_1RB_Left	19.92	/	/	23.74	/	/	<=30	Pass
		Edge_1RB_Right	20.07	/	/	23.89	/	/	<=30	Pass
		Outer_Full	20.05	/	/	23.87	/	/	<=30	Pass
		Inner_Full	21.50	/	/	25.32	/	/	<=30	Pass
		Inner_1RB_Left	21.55	/	/	25.37	/	/	<=30	Pass
		Inner_1RB_Right	21.56	/	/	25.38	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.95	/	/	23.77	/	/	<=30	Pass
		Edge_1RB_Right	20.05	/	/	23.87	/	/	<=30	Pass
		Outer_Full	20.03	/	/	23.85	/	/	<=30	Pass
		Inner_Full	21.45	/	/	25.27	/	/	<=30	Pass
		Inner_1RB_Left	21.51	/	/	25.33	/	/	<=30	Pass
		Inner_1RB_Right	21.58	/	/	25.40	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	19.91	/	/	23.73	/	/	<=30	Pass
		Edge_1RB_Right	19.91	/	/	23.73	/	/	<=30	Pass
		Outer_Full	19.92	/	/	23.74	/	/	<=30	Pass
		Inner_Full	21.36	/	/	25.18	/	/	<=30	Pass
		Inner_1RB_Left	21.26	/	/	25.08	/	/	<=30	Pass
		Inner_1RB_Right	21.39	/	/	25.21	/	/	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge_1RB_Left	19.63	/	/	23.45	/	/	<=30	Pass
		Edge_1RB_Right	19.56	/	/	23.38	/	/	<=30	Pass
		Outer_Full	19.51	/	/	23.33	/	/	<=30	Pass
		Inner_Full	19.43	/	/	23.25	/	/	<=30	Pass
		Inner_1RB_Left	19.59	/	/	23.41	/	/	<=30	Pass
		Inner_1RB_Right	19.47	/	/	23.29	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.58	/	/	23.40	/	/	<=30	Pass
		Edge_1RB_Right	19.68	/	/	23.50	/	/	<=30	Pass
		Outer_Full	19.53	/	/	23.35	/	/	<=30	Pass
		Inner_Full	19.53	/	/	23.35	/	/	<=30	Pass
		Inner_1RB_Left	19.57	/	/	23.39	/	/	<=30	Pass
		Inner_1RB_Right	19.56	/	/	23.38	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	19.15	/	/	22.97	/	/	<=30	Pass
		Edge_1RB_Right	19.37	/	/	23.19	/	/	<=30	Pass
		Outer_Full	19.39	/	/	23.21	/	/	<=30	Pass
		Inner_Full	19.32	/	/	23.14	/	/	<=30	Pass
		Inner_1RB_Left	19.33	/	/	23.15	/	/	<=30	Pass
		Inner_1RB_Right	19.54	/	/	23.36	/	/	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge_1RB_Left	16.53	/	/	20.35	/	/	<=30	Pass
		Edge_1RB_Right	16.68	/	/	20.50	/	/	<=30	Pass
		Outer_Full	16.57	/	/	20.39	/	/	<=30	Pass
		Inner_Full	16.48	/	/	20.30	/	/	<=30	Pass
		Inner_1RB_Left	16.59	/	/	20.41	/	/	<=30	Pass
		Inner_1RB_Right	16.58	/	/	20.40	/	/	<=30	Pass
	3840	Edge_1RB_Left	16.45	/	/	20.27	/	/	<=30	Pass
		Edge_1RB_Right	16.59	/	/	20.41	/	/	<=30	Pass
		Outer_Full	16.55	/	/	20.37	/	/	<=30	Pass
		Inner_Full	16.55	/	/	20.37	/	/	<=30	Pass
		Inner_1RB_Left	16.60	/	/	20.42	/	/	<=30	Pass
		Inner_1RB_Right	16.80	/	/	20.62	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	16.52	/	/	20.34	/	/	<=30	Pass

		Edge_1RB_Right	16.50	/	/	20.32	/	/	<=30	Pass
		Outer_Full	16.37	/	/	20.19	/	/	<=30	Pass
		Inner_Full	16.32	/	/	20.14	/	/	<=30	Pass
		Inner_1RB_Left	16.42	/	/	20.24	/	/	<=30	Pass
		Inner_1RB_Right	16.52	/	/	20.34	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 3.82dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.2 30k_SISO_30MHz_NTNV_EIRP

1.2.1 Test Result

5G NR n77a SCS=30kHz SISO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3715.02	Edge_1RB_Left	21.97	/	/	25.79	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	25.89	/	/	<=30	Pass
		Outer_Full	22.09	/	/	25.91	/	/	<=30	Pass
		Inner_Full	22.99	/	/	26.81	/	/	<=30	Pass
		Inner_1RB_Left	23.05	/	/	26.87	/	/	<=30	Pass
		Inner_1RB_Right	23.15	/	/	26.97	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.01	/	/	25.83	/	/	<=30	Pass
		Edge_1RB_Right	22.28	/	/	26.10	/	/	<=30	Pass
		Outer_Full	22.17	/	/	25.99	/	/	<=30	Pass
		Inner_Full	23.16	/	/	26.98	/	/	<=30	Pass
		Inner_1RB_Left	23.02	/	/	26.84	/	/	<=30	Pass
		Inner_1RB_Right	23.28	/	/	27.10	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.00	/	/	25.82	/	/	<=30	Pass
		Edge_1RB_Right	22.02	/	/	25.84	/	/	<=30	Pass
		Outer_Full	22.00	/	/	25.82	/	/	<=30	Pass
		Inner_Full	22.95	/	/	26.77	/	/	<=30	Pass
		Inner_1RB_Left	22.97	/	/	26.79	/	/	<=30	Pass
		Inner_1RB_Right	22.95	/	/	26.77	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3715.02	Edge_1RB_Left	20.43	/	/	24.25	/	/	<=30	Pass
		Edge_1RB_Right	20.55	/	/	24.37	/	/	<=30	Pass
		Outer_Full	20.63	/	/	24.45	/	/	<=30	Pass
		Inner_Full	20.59	/	/	24.41	/	/	<=30	Pass
		Inner_1RB_Left	20.54	/	/	24.36	/	/	<=30	Pass
		Inner_1RB_Right	20.51	/	/	24.33	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.57	/	/	24.39	/	/	<=30	Pass
		Edge_1RB_Right	20.78	/	/	24.60	/	/	<=30	Pass
		Outer_Full	20.80	/	/	24.62	/	/	<=30	Pass
		Inner_Full	20.73	/	/	24.55	/	/	<=30	Pass
		Inner_1RB_Left	20.68	/	/	24.50	/	/	<=30	Pass
		Inner_1RB_Right	20.63	/	/	24.45	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	20.68	/	/	24.50	/	/	<=30	Pass
		Edge_1RB_Right	20.45	/	/	24.27	/	/	<=30	Pass
		Outer_Full	20.56	/	/	24.38	/	/	<=30	Pass
		Inner_Full	20.51	/	/	24.33	/	/	<=30	Pass
		Inner_1RB_Left	20.52	/	/	24.34	/	/	<=30	Pass
		Inner_1RB_Right	20.51	/	/	24.33	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3715.02	Edge_1RB_Left	18.53	/	/	22.35	/	/	<=30	Pass
		Edge_1RB_Right	18.69	/	/	22.51	/	/	<=30	Pass
		Outer_Full	18.64	/	/	22.46	/	/	<=30	Pass
		Inner_Full	18.57	/	/	22.39	/	/	<=30	Pass

		Inner_1RB_Left	18.50	/	/	22.32	/	/	<=30	Pass
		Inner_1RB_Right	18.54	/	/	22.36	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.63	/	/	22.45	/	/	<=30	Pass
		Edge_1RB_Right	18.85	/	/	22.67	/	/	<=30	Pass
		Outer_Full	18.73	/	/	22.55	/	/	<=30	Pass
		Inner_Full	18.69	/	/	22.51	/	/	<=30	Pass
		Inner_1RB_Left	18.65	/	/	22.47	/	/	<=30	Pass
		Inner_1RB_Right	18.90	/	/	22.72	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	18.60	/	/	22.42	/	/	<=30	Pass
		Edge_1RB_Right	18.51	/	/	22.33	/	/	<=30	Pass
		Outer_Full	18.57	/	/	22.39	/	/	<=30	Pass
		Inner_Full	18.51	/	/	22.33	/	/	<=30	Pass
		Inner_1RB_Left	18.67	/	/	22.49	/	/	<=30	Pass
		Inner_1RB_Right	18.54	/	/	22.36	/	/	<=30	Pass
CP-OFDM QPSK	3715.02	Edge_1RB_Left	20.06	/	/	23.88	/	/	<=30	Pass
		Edge_1RB_Right	20.14	/	/	23.96	/	/	<=30	Pass
		Outer_Full	20.13	/	/	23.95	/	/	<=30	Pass
		Inner_Full	21.59	/	/	25.41	/	/	<=30	Pass
		Inner_1RB_Left	21.53	/	/	25.35	/	/	<=30	Pass
		Inner_1RB_Right	21.58	/	/	25.40	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.20	/	/	24.02	/	/	<=30	Pass
		Edge_1RB_Right	20.37	/	/	24.19	/	/	<=30	Pass
		Outer_Full	20.25	/	/	24.07	/	/	<=30	Pass
		Inner_Full	21.67	/	/	25.49	/	/	<=30	Pass
		Inner_1RB_Left	21.62	/	/	25.44	/	/	<=30	Pass
		Inner_1RB_Right	21.95	/	/	25.77	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	19.86	/	/	23.68	/	/	<=30	Pass
		Edge_1RB_Right	20.00	/	/	23.82	/	/	<=30	Pass
		Outer_Full	19.91	/	/	23.73	/	/	<=30	Pass
		Inner_Full	21.38	/	/	25.20	/	/	<=30	Pass
		Inner_1RB_Left	21.38	/	/	25.20	/	/	<=30	Pass
		Inner_1RB_Right	21.41	/	/	25.23	/	/	<=30	Pass
CP-OFDM 64 QAM	3715.02	Edge_1RB_Left	19.61	/	/	23.43	/	/	<=30	Pass
		Edge_1RB_Right	19.70	/	/	23.52	/	/	<=30	Pass
		Outer_Full	19.67	/	/	23.49	/	/	<=30	Pass
		Inner_Full	19.58	/	/	23.40	/	/	<=30	Pass
		Inner_1RB_Left	19.53	/	/	23.35	/	/	<=30	Pass
		Inner_1RB_Right	19.56	/	/	23.38	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.85	/	/	23.67	/	/	<=30	Pass
		Edge_1RB_Right	19.88	/	/	23.70	/	/	<=30	Pass
		Outer_Full	19.77	/	/	23.59	/	/	<=30	Pass
		Inner_Full	19.79	/	/	23.61	/	/	<=30	Pass
		Inner_1RB_Left	19.70	/	/	23.52	/	/	<=30	Pass
		Inner_1RB_Right	19.96	/	/	23.78	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	19.43	/	/	23.25	/	/	<=30	Pass
		Edge_1RB_Right	19.68	/	/	23.50	/	/	<=30	Pass
		Outer_Full	19.48	/	/	23.30	/	/	<=30	Pass
		Inner_Full	19.39	/	/	23.21	/	/	<=30	Pass
		Inner_1RB_Left	19.40	/	/	23.22	/	/	<=30	Pass
		Inner_1RB_Right	19.71	/	/	23.53	/	/	<=30	Pass
CP-OFDM 256 QAM	3715.02	Edge_1RB_Left	16.69	/	/	20.51	/	/	<=30	Pass
		Edge_1RB_Right	16.72	/	/	20.54	/	/	<=30	Pass
		Outer_Full	16.72	/	/	20.54	/	/	<=30	Pass
		Inner_Full	16.59	/	/	20.41	/	/	<=30	Pass
		Inner_1RB_Left	16.66	/	/	20.48	/	/	<=30	Pass
		Inner_1RB_Right	16.78	/	/	20.60	/	/	<=30	Pass
	3840	Edge_1RB_Left	16.70	/	/	20.52	/	/	<=30	Pass

		Edge_1RB_Right	16.93	/	/	20.75	/	/	<=30	Pass
		Outer_Full	16.73	/	/	20.55	/	/	<=30	Pass
		Inner_Full	16.71	/	/	20.53	/	/	<=30	Pass
		Inner_1RB_Left	16.97	/	/	20.79	/	/	<=30	Pass
		Inner_1RB_Right	16.88	/	/	20.70	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	16.46	/	/	20.28	/	/	<=30	Pass
		Edge_1RB_Right	16.61	/	/	20.43	/	/	<=30	Pass
		Outer_Full	16.44	/	/	20.26	/	/	<=30	Pass
		Inner_Full	16.40	/	/	20.22	/	/	<=30	Pass
		Inner_1RB_Left	16.50	/	/	20.32	/	/	<=30	Pass
		Inner_1RB_Right	16.48	/	/	20.30	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 3.82dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.3 30k_SISO_40MHz_NTNV_EIRP

1.3.1 Test Result

5G NR n77a SCS=30kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3720	Edge_1RB_Left	22.32	/	/	26.14	/	/	<=30	Pass
		Edge_1RB_Right	22.38	/	/	26.20	/	/	<=30	Pass
		Outer_Full	22.26	/	/	26.08	/	/	<=30	Pass
		Inner_Full	23.25	/	/	27.07	/	/	<=30	Pass
		Inner_1RB_Left	23.26	/	/	27.08	/	/	<=30	Pass
		Inner_1RB_Right	23.36	/	/	27.18	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.25	/	/	26.07	/	/	<=30	Pass
		Edge_1RB_Right	22.34	/	/	26.16	/	/	<=30	Pass
		Outer_Full	22.31	/	/	26.13	/	/	<=30	Pass
		Inner_Full	23.24	/	/	27.06	/	/	<=30	Pass
		Inner_1RB_Left	23.24	/	/	27.06	/	/	<=30	Pass
		Inner_1RB_Right	23.35	/	/	27.17	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.04	/	/	25.86	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	26.00	/	/	<=30	Pass
		Outer_Full	22.06	/	/	25.88	/	/	<=30	Pass
		Inner_Full	23.02	/	/	26.84	/	/	<=30	Pass
		Inner_1RB_Left	22.98	/	/	26.80	/	/	<=30	Pass
		Inner_1RB_Right	23.24	/	/	27.06	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Edge_1RB_Left	20.77	/	/	24.59	/	/	<=30	Pass
		Edge_1RB_Right	20.85	/	/	24.67	/	/	<=30	Pass
		Outer_Full	20.75	/	/	24.57	/	/	<=30	Pass
		Inner_Full	20.74	/	/	24.56	/	/	<=30	Pass
		Inner_1RB_Left	20.73	/	/	24.55	/	/	<=30	Pass
		Inner_1RB_Right	20.90	/	/	24.72	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.76	/	/	24.58	/	/	<=30	Pass
		Edge_1RB_Right	20.72	/	/	24.54	/	/	<=30	Pass
		Outer_Full	20.84	/	/	24.66	/	/	<=30	Pass
		Inner_Full	20.81	/	/	24.63	/	/	<=30	Pass
		Inner_1RB_Left	20.75	/	/	24.57	/	/	<=30	Pass
		Inner_1RB_Right	21.05	/	/	24.87	/	/	<=30	Pass
	3960	Edge_1RB_Left	20.55	/	/	24.37	/	/	<=30	Pass
		Edge_1RB_Right	20.79	/	/	24.61	/	/	<=30	Pass
		Outer_Full	20.54	/	/	24.36	/	/	<=30	Pass
		Inner_Full	20.55	/	/	24.37	/	/	<=30	Pass

DFT-s-OFDM 256 QAM		Inner_1RB_Left	20.61	/	/	24.43	/	/	<=30	Pass
		Inner_1RB_Right	20.59	/	/	24.41	/	/	<=30	Pass
	3720	Edge_1RB_Left	18.82	/	/	22.64	/	/	<=30	Pass
		Edge_1RB_Right	18.97	/	/	22.79	/	/	<=30	Pass
		Outer_Full	18.76	/	/	22.58	/	/	<=30	Pass
		Inner_Full	18.74	/	/	22.56	/	/	<=30	Pass
		Inner_1RB_Left	18.90	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Right	18.96	/	/	22.78	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.55	/	/	22.37	/	/	<=30	Pass
		Edge_1RB_Right	18.98	/	/	22.80	/	/	<=30	Pass
		Outer_Full	18.81	/	/	22.63	/	/	<=30	Pass
		Inner_Full	18.77	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Left	18.84	/	/	22.66	/	/	<=30	Pass
		Inner_1RB_Right	18.94	/	/	22.76	/	/	<=30	Pass
	3960	Edge_1RB_Left	18.61	/	/	22.43	/	/	<=30	Pass
		Edge_1RB_Right	18.94	/	/	22.76	/	/	<=30	Pass
		Outer_Full	18.56	/	/	22.38	/	/	<=30	Pass
		Inner_Full	18.55	/	/	22.37	/	/	<=30	Pass
		Inner_1RB_Left	18.57	/	/	22.39	/	/	<=30	Pass
		Inner_1RB_Right	18.85	/	/	22.67	/	/	<=30	Pass
CP-OFDM QPSK	3720	Edge_1RB_Left	20.27	/	/	24.09	/	/	<=30	Pass
		Edge_1RB_Right	20.44	/	/	24.26	/	/	<=30	Pass
		Outer_Full	20.28	/	/	24.10	/	/	<=30	Pass
		Inner_Full	21.75	/	/	25.57	/	/	<=30	Pass
		Inner_1RB_Left	21.82	/	/	25.64	/	/	<=30	Pass
		Inner_1RB_Right	21.89	/	/	25.71	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.22	/	/	24.04	/	/	<=30	Pass
		Edge_1RB_Right	20.35	/	/	24.17	/	/	<=30	Pass
		Outer_Full	20.34	/	/	24.16	/	/	<=30	Pass
		Inner_Full	21.78	/	/	25.60	/	/	<=30	Pass
		Inner_1RB_Left	21.72	/	/	25.54	/	/	<=30	Pass
		Inner_1RB_Right	21.94	/	/	25.76	/	/	<=30	Pass
	3960	Edge_1RB_Left	20.01	/	/	23.83	/	/	<=30	Pass
		Edge_1RB_Right	20.25	/	/	24.07	/	/	<=30	Pass
		Outer_Full	20.11	/	/	23.93	/	/	<=30	Pass
		Inner_Full	21.52	/	/	25.34	/	/	<=30	Pass
		Inner_1RB_Left	21.56	/	/	25.38	/	/	<=30	Pass
		Inner_1RB_Right	21.64	/	/	25.46	/	/	<=30	Pass
CP-OFDM 64 QAM	3720	Edge_1RB_Left	19.90	/	/	23.72	/	/	<=30	Pass
		Edge_1RB_Right	19.92	/	/	23.74	/	/	<=30	Pass
		Outer_Full	19.77	/	/	23.59	/	/	<=30	Pass
		Inner_Full	19.76	/	/	23.58	/	/	<=30	Pass
		Inner_1RB_Left	19.84	/	/	23.66	/	/	<=30	Pass
		Inner_1RB_Right	19.94	/	/	23.76	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.72	/	/	23.54	/	/	<=30	Pass
		Edge_1RB_Right	19.85	/	/	23.67	/	/	<=30	Pass
		Outer_Full	19.82	/	/	23.64	/	/	<=30	Pass
		Inner_Full	19.87	/	/	23.69	/	/	<=30	Pass
		Inner_1RB_Left	19.85	/	/	23.67	/	/	<=30	Pass
		Inner_1RB_Right	20.03	/	/	23.85	/	/	<=30	Pass
	3960	Edge_1RB_Left	19.72	/	/	23.54	/	/	<=30	Pass
		Edge_1RB_Right	19.75	/	/	23.57	/	/	<=30	Pass
		Outer_Full	19.62	/	/	23.44	/	/	<=30	Pass
		Inner_Full	19.62	/	/	23.44	/	/	<=30	Pass
		Inner_1RB_Left	19.60	/	/	23.42	/	/	<=30	Pass
		Inner_1RB_Right	19.71	/	/	23.53	/	/	<=30	Pass
CP-OFDM 256 QAM	3720	Edge_1RB_Left	16.75	/	/	20.57	/	/	<=30	Pass

		Edge_1RB_Right	16.83	/	/	20.65	/	/	<=30	Pass
		Outer_Full	16.77	/	/	20.59	/	/	<=30	Pass
		Inner_Full	16.79	/	/	20.61	/	/	<=30	Pass
		Inner_1RB_Left	17.00	/	/	20.82	/	/	<=30	Pass
		Inner_1RB_Right	16.94	/	/	20.76	/	/	<=30	Pass
	3840	Edge_1RB_Left	16.84	/	/	20.66	/	/	<=30	Pass
		Edge_1RB_Right	16.92	/	/	20.74	/	/	<=30	Pass
		Outer_Full	16.89	/	/	20.71	/	/	<=30	Pass
		Inner_Full	16.82	/	/	20.64	/	/	<=30	Pass
		Inner_1RB_Left	16.85	/	/	20.67	/	/	<=30	Pass
	3960	Inner_1RB_Right	16.83	/	/	20.65	/	/	<=30	Pass
		Edge_1RB_Left	16.46	/	/	20.28	/	/	<=30	Pass
		Edge_1RB_Right	16.92	/	/	20.74	/	/	<=30	Pass
		Outer_Full	16.57	/	/	20.39	/	/	<=30	Pass
		Inner_Full	16.53	/	/	20.35	/	/	<=30	Pass
		Inner_1RB_Left	16.68	/	/	20.50	/	/	<=30	Pass
		Inner_1RB_Right	16.88	/	/	20.70	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 3.82dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.4 30k_SISO_60MHz_NTNV_EIRP

1.4.1 Test Result

5G NR n77a SCS=30kHz SISO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3730.02	Edge_1RB_Left	21.76	/	/	25.58	/	/	<=30	Pass
		Edge_1RB_Right	21.97	/	/	25.79	/	/	<=30	Pass
		Outer_Full	21.95	/	/	25.77	/	/	<=30	Pass
		Inner_Full	22.98	/	/	26.80	/	/	<=30	Pass
		Inner_1RB_Left	22.77	/	/	26.59	/	/	<=30	Pass
		Inner_1RB_Right	22.94	/	/	26.76	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.83	/	/	25.65	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	25.94	/	/	<=30	Pass
		Outer_Full	22.03	/	/	25.85	/	/	<=30	Pass
		Inner_Full	23.13	/	/	26.95	/	/	<=30	Pass
		Inner_1RB_Left	22.86	/	/	26.68	/	/	<=30	Pass
		Inner_1RB_Right	23.14	/	/	26.96	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	22.00	/	/	25.82	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	26.05	/	/	<=30	Pass
		Outer_Full	22.18	/	/	26.00	/	/	<=30	Pass
		Inner_Full	23.15	/	/	26.97	/	/	<=30	Pass
		Inner_1RB_Left	23.07	/	/	26.89	/	/	<=30	Pass
		Inner_1RB_Right	23.27	/	/	27.09	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3730.02	Edge_1RB_Left	20.26	/	/	24.08	/	/	<=30	Pass
		Edge_1RB_Right	20.50	/	/	24.32	/	/	<=30	Pass
		Outer_Full	20.53	/	/	24.35	/	/	<=30	Pass
		Inner_Full	20.56	/	/	24.38	/	/	<=30	Pass
		Inner_1RB_Left	20.45	/	/	24.27	/	/	<=30	Pass
		Inner_1RB_Right	20.47	/	/	24.29	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.48	/	/	24.30	/	/	<=30	Pass
		Edge_1RB_Right	20.66	/	/	24.48	/	/	<=30	Pass
		Outer_Full	20.66	/	/	24.48	/	/	<=30	Pass
		Inner_Full	20.71	/	/	24.53	/	/	<=30	Pass

		Inner_1RB_Left	20.39	/	/	24.21	/	/	<=30	Pass
		Inner_1RB_Right	20.82	/	/	24.64	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	20.71	/	/	24.53	/	/	<=30	Pass
		Edge_1RB_Right	20.77	/	/	24.59	/	/	<=30	Pass
		Outer_Full	20.67	/	/	24.49	/	/	<=30	Pass
		Inner_Full	20.68	/	/	24.50	/	/	<=30	Pass
		Inner_1RB_Left	20.65	/	/	24.47	/	/	<=30	Pass
		Inner_1RB_Right	20.74	/	/	24.56	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Edge_1RB_Left	18.35	/	/	22.17	/	/	<=30	Pass
		Edge_1RB_Right	18.53	/	/	22.35	/	/	<=30	Pass
		Outer_Full	18.53	/	/	22.35	/	/	<=30	Pass
		Inner_Full	18.60	/	/	22.42	/	/	<=30	Pass
		Inner_1RB_Left	18.53	/	/	22.35	/	/	<=30	Pass
		Inner_1RB_Right	18.73	/	/	22.55	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.45	/	/	22.27	/	/	<=30	Pass
		Edge_1RB_Right	18.62	/	/	22.44	/	/	<=30	Pass
		Outer_Full	18.68	/	/	22.50	/	/	<=30	Pass
		Inner_Full	18.67	/	/	22.49	/	/	<=30	Pass
		Inner_1RB_Left	18.38	/	/	22.20	/	/	<=30	Pass
		Inner_1RB_Right	18.61	/	/	22.43	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	18.59	/	/	22.41	/	/	<=30	Pass
		Edge_1RB_Right	18.79	/	/	22.61	/	/	<=30	Pass
		Outer_Full	18.68	/	/	22.50	/	/	<=30	Pass
		Inner_Full	18.67	/	/	22.49	/	/	<=30	Pass
		Inner_1RB_Left	18.53	/	/	22.35	/	/	<=30	Pass
		Inner_1RB_Right	18.77	/	/	22.59	/	/	<=30	Pass
CP-OFDM QPSK	3730.02	Edge_1RB_Left	19.88	/	/	23.70	/	/	<=30	Pass
		Edge_1RB_Right	20.18	/	/	24.00	/	/	<=30	Pass
		Outer_Full	20.08	/	/	23.90	/	/	<=30	Pass
		Inner_Full	21.62	/	/	25.44	/	/	<=30	Pass
		Inner_1RB_Left	21.50	/	/	25.32	/	/	<=30	Pass
		Inner_1RB_Right	21.66	/	/	25.48	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.83	/	/	23.65	/	/	<=30	Pass
		Edge_1RB_Right	20.18	/	/	24.00	/	/	<=30	Pass
		Outer_Full	20.17	/	/	23.99	/	/	<=30	Pass
		Inner_Full	21.63	/	/	25.45	/	/	<=30	Pass
		Inner_1RB_Left	21.48	/	/	25.30	/	/	<=30	Pass
		Inner_1RB_Right	21.59	/	/	25.41	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	20.06	/	/	23.88	/	/	<=30	Pass
		Edge_1RB_Right	20.34	/	/	24.16	/	/	<=30	Pass
		Outer_Full	20.16	/	/	23.98	/	/	<=30	Pass
		Inner_Full	21.67	/	/	25.49	/	/	<=30	Pass
		Inner_1RB_Left	21.63	/	/	25.45	/	/	<=30	Pass
		Inner_1RB_Right	21.83	/	/	25.65	/	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge_1RB_Left	19.55	/	/	23.37	/	/	<=30	Pass
		Edge_1RB_Right	19.68	/	/	23.50	/	/	<=30	Pass
		Outer_Full	19.45	/	/	23.27	/	/	<=30	Pass
		Inner_Full	19.61	/	/	23.43	/	/	<=30	Pass
		Inner_1RB_Left	19.46	/	/	23.28	/	/	<=30	Pass
		Inner_1RB_Right	19.58	/	/	23.40	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.49	/	/	23.31	/	/	<=30	Pass
		Edge_1RB_Right	19.77	/	/	23.59	/	/	<=30	Pass
		Outer_Full	19.63	/	/	23.45	/	/	<=30	Pass
		Inner_Full	19.66	/	/	23.48	/	/	<=30	Pass
		Inner_1RB_Left	19.56	/	/	23.38	/	/	<=30	Pass
		Inner_1RB_Right	19.63	/	/	23.45	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	19.68	/	/	23.50	/	/	<=30	Pass

CP-OFDM 256 QAM		Edge_1RB_Right	19.79	/	/	23.61	/	/	<=30	Pass
		Outer_Full	19.65	/	/	23.47	/	/	<=30	Pass
		Inner_Full	19.73	/	/	23.55	/	/	<=30	Pass
		Inner_1RB_Left	19.63	/	/	23.45	/	/	<=30	Pass
		Inner_1RB_Right	19.86	/	/	23.68	/	/	<=30	Pass
	3730.02	Edge_1RB_Left	16.41	/	/	20.23	/	/	<=30	Pass
		Edge_1RB_Right	16.79	/	/	20.61	/	/	<=30	Pass
		Outer_Full	16.56	/	/	20.38	/	/	<=30	Pass
		Inner_Full	16.58	/	/	20.40	/	/	<=30	Pass
		Inner_1RB_Left	16.55	/	/	20.37	/	/	<=30	Pass
	3840	Inner_1RB_Right	16.54	/	/	20.36	/	/	<=30	Pass
		Edge_1RB_Left	16.47	/	/	20.29	/	/	<=30	Pass
		Edge_1RB_Right	16.78	/	/	20.60	/	/	<=30	Pass
		Outer_Full	16.51	/	/	20.33	/	/	<=30	Pass
		Inner_Full	16.64	/	/	20.46	/	/	<=30	Pass
	3949.98	Inner_1RB_Left	16.60	/	/	20.42	/	/	<=30	Pass
		Inner_1RB_Right	16.68	/	/	20.50	/	/	<=30	Pass
		Edge_1RB_Left	16.54	/	/	20.36	/	/	<=30	Pass
		Edge_1RB_Right	16.87	/	/	20.69	/	/	<=30	Pass
		Outer_Full	16.66	/	/	20.48	/	/	<=30	Pass
		Inner_Full	16.68	/	/	20.50	/	/	<=30	Pass
		Inner_1RB_Left	16.56	/	/	20.38	/	/	<=30	Pass
		Inner_1RB_Right	16.85	/	/	20.67	/	/	<=30	Pass
		Note1: Antenna Gain: Ant1: 3.82dBi; Note2: EIRP=Conducted Power+Antenna Gain								

1.5 30k_SISO_80MHz_NTNV_EIRP

1.5.1 Test Result

5G NR n77a SCS=30kHz SISO 80MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3740.01	Edge_1RB_Left	21.94	/	/	25.76	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	25.93	/	/	<=30	Pass
		Outer_Full	22.08	/	/	25.90	/	/	<=30	Pass
		Inner_Full	23.09	/	/	26.91	/	/	<=30	Pass
		Inner_1RB_Left	22.96	/	/	26.78	/	/	<=30	Pass
	3840	Inner_1RB_Right	23.13	/	/	26.95	/	/	<=30	Pass
		Edge_1RB_Left	21.99	/	/	25.81	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	25.94	/	/	<=30	Pass
		Outer_Full	22.05	/	/	25.87	/	/	<=30	Pass
		Inner_Full	23.13	/	/	26.95	/	/	<=30	Pass
	3939.99	Inner_1RB_Left	22.93	/	/	26.75	/	/	<=30	Pass
		Inner_1RB_Right	23.18	/	/	27.00	/	/	<=30	Pass
		Edge_1RB_Left	22.26	/	/	26.08	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	26.09	/	/	<=30	Pass
		Outer_Full	22.19	/	/	26.01	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Inner_Full	23.15	/	/	26.97	/	/	<=30	Pass
		Inner_1RB_Left	23.23	/	/	27.05	/	/	<=30	Pass
		Inner_1RB_Right	23.28	/	/	27.10	/	/	<=30	Pass
		Edge_1RB_Left	20.56	/	/	24.38	/	/	<=30	Pass
		Edge_1RB_Right	20.60	/	/	24.42	/	/	<=30	Pass
		Outer_Full	20.59	/	/	24.41	/	/	<=30	Pass
		Inner_Full	20.59	/	/	24.41	/	/	<=30	Pass

		Inner_1RB_Left	20.39	/	/	24.21	/	/	<=30	Pass
		Inner_1RB_Right	20.74	/	/	24.56	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.52	/	/	24.34	/	/	<=30	Pass
		Edge_1RB_Right	20.75	/	/	24.57	/	/	<=30	Pass
		Outer_Full	20.71	/	/	24.53	/	/	<=30	Pass
		Inner_Full	20.74	/	/	24.56	/	/	<=30	Pass
		Inner_1RB_Left	20.74	/	/	24.56	/	/	<=30	Pass
		Inner_1RB_Right	20.78	/	/	24.60	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.81	/	/	24.63	/	/	<=30	Pass
		Edge_1RB_Right	20.83	/	/	24.65	/	/	<=30	Pass
		Outer_Full	20.70	/	/	24.52	/	/	<=30	Pass
		Inner_Full	20.68	/	/	24.50	/	/	<=30	Pass
		Inner_1RB_Left	20.68	/	/	24.50	/	/	<=30	Pass
		Inner_1RB_Right	20.72	/	/	24.54	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Edge_1RB_Left	18.52	/	/	22.34	/	/	<=30	Pass
		Edge_1RB_Right	18.50	/	/	22.32	/	/	<=30	Pass
		Outer_Full	18.60	/	/	22.42	/	/	<=30	Pass
		Inner_Full	18.63	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Left	18.56	/	/	22.38	/	/	<=30	Pass
		Inner_1RB_Right	18.56	/	/	22.38	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.68	/	/	22.50	/	/	<=30	Pass
		Edge_1RB_Right	18.79	/	/	22.61	/	/	<=30	Pass
		Outer_Full	18.69	/	/	22.51	/	/	<=30	Pass
		Inner_Full	18.67	/	/	22.49	/	/	<=30	Pass
		Inner_1RB_Left	18.65	/	/	22.47	/	/	<=30	Pass
		Inner_1RB_Right	18.74	/	/	22.56	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	18.81	/	/	22.63	/	/	<=30	Pass
		Edge_1RB_Right	18.80	/	/	22.62	/	/	<=30	Pass
		Outer_Full	18.73	/	/	22.55	/	/	<=30	Pass
		Inner_Full	18.67	/	/	22.49	/	/	<=30	Pass
		Inner_1RB_Left	18.72	/	/	22.54	/	/	<=30	Pass
		Inner_1RB_Right	18.85	/	/	22.67	/	/	<=30	Pass
CP-OFDM QPSK	3740.01	Edge_1RB_Left	19.95	/	/	23.77	/	/	<=30	Pass
		Edge_1RB_Right	20.11	/	/	23.93	/	/	<=30	Pass
		Outer_Full	20.13	/	/	23.95	/	/	<=30	Pass
		Inner_Full	21.64	/	/	25.46	/	/	<=30	Pass
		Inner_1RB_Left	21.51	/	/	25.33	/	/	<=30	Pass
		Inner_1RB_Right	21.65	/	/	25.47	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.07	/	/	23.89	/	/	<=30	Pass
		Edge_1RB_Right	20.25	/	/	24.07	/	/	<=30	Pass
		Outer_Full	20.26	/	/	24.08	/	/	<=30	Pass
		Inner_Full	21.72	/	/	25.54	/	/	<=30	Pass
		Inner_1RB_Left	21.64	/	/	25.46	/	/	<=30	Pass
		Inner_1RB_Right	21.74	/	/	25.56	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.28	/	/	24.10	/	/	<=30	Pass
		Edge_1RB_Right	20.31	/	/	24.13	/	/	<=30	Pass
		Outer_Full	20.10	/	/	23.92	/	/	<=30	Pass
		Inner_Full	21.65	/	/	25.47	/	/	<=30	Pass
		Inner_1RB_Left	21.77	/	/	25.59	/	/	<=30	Pass
		Inner_1RB_Right	21.84	/	/	25.66	/	/	<=30	Pass
CP-OFDM 64 QAM	3740.01	Edge_1RB_Left	19.46	/	/	23.28	/	/	<=30	Pass
		Edge_1RB_Right	19.76	/	/	23.58	/	/	<=30	Pass
		Outer_Full	19.57	/	/	23.39	/	/	<=30	Pass
		Inner_Full	19.64	/	/	23.46	/	/	<=30	Pass
		Inner_1RB_Left	19.73	/	/	23.55	/	/	<=30	Pass
		Inner_1RB_Right	19.66	/	/	23.48	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.60	/	/	23.42	/	/	<=30	Pass

		Edge_1RB_Right	19.78	/	/	23.60	/	/	<=30	Pass
		Outer_Full	19.64	/	/	23.46	/	/	<=30	Pass
		Inner_Full	19.73	/	/	23.55	/	/	<=30	Pass
		Inner_1RB_Left	19.66	/	/	23.48	/	/	<=30	Pass
		Inner_1RB_Right	19.86	/	/	23.68	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	19.71	/	/	23.53	/	/	<=30	Pass
		Edge_1RB_Right	19.81	/	/	23.63	/	/	<=30	Pass
		Outer_Full	19.69	/	/	23.51	/	/	<=30	Pass
		Inner_Full	19.69	/	/	23.51	/	/	<=30	Pass
		Inner_1RB_Left	19.84	/	/	23.66	/	/	<=30	Pass
CP-OFDM 256 QAM	3740.01	Inner_1RB_Right	20.02	/	/	23.84	/	/	<=30	Pass
		Edge_1RB_Left	16.61	/	/	20.43	/	/	<=30	Pass
		Edge_1RB_Right	16.66	/	/	20.48	/	/	<=30	Pass
		Outer_Full	16.54	/	/	20.36	/	/	<=30	Pass
		Inner_Full	16.58	/	/	20.40	/	/	<=30	Pass
		Inner_1RB_Left	16.44	/	/	20.26	/	/	<=30	Pass
	3840	Inner_1RB_Right	16.77	/	/	20.59	/	/	<=30	Pass
		Edge_1RB_Left	16.63	/	/	20.45	/	/	<=30	Pass
		Edge_1RB_Right	16.72	/	/	20.54	/	/	<=30	Pass
		Outer_Full	16.74	/	/	20.56	/	/	<=30	Pass
		Inner_Full	16.69	/	/	20.51	/	/	<=30	Pass
		Inner_1RB_Left	16.78	/	/	20.60	/	/	<=30	Pass
	3939.99	Inner_1RB_Right	16.93	/	/	20.75	/	/	<=30	Pass
		Edge_1RB_Left	16.96	/	/	20.78	/	/	<=30	Pass
		Edge_1RB_Right	16.86	/	/	20.68	/	/	<=30	Pass
		Outer_Full	16.67	/	/	20.49	/	/	<=30	Pass
		Inner_Full	16.70	/	/	20.52	/	/	<=30	Pass
		Inner_1RB_Left	17.02	/	/	20.84	/	/	<=30	Pass
		Inner_1RB_Right	16.75	/	/	20.57	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 3.82dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.6 30k_SISO_100MHz_NTNV_EIRP

1.6.1 Test Result

5G NR n77a SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum		
DFT-s-OFDM QPSK	3750	Edge_1RB_Left	21.86	/	/	25.68	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	25.89	/	/	<=30	Pass
		Outer_Full	21.94	/	/	25.76	/	/	<=30	Pass
		Inner_Full	22.86	/	/	26.68	/	/	<=30	Pass
		Inner_1RB_Left	22.76	/	/	26.58	/	/	<=30	Pass
		Inner_1RB_Right	23.12	/	/	26.94	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.79	/	/	25.61	/	/	<=30	Pass
		Edge_1RB_Right	22.17	/	/	25.99	/	/	<=30	Pass
		Outer_Full	21.99	/	/	25.81	/	/	<=30	Pass
		Inner_Full	23.05	/	/	26.87	/	/	<=30	Pass
		Inner_1RB_Left	22.86	/	/	26.68	/	/	<=30	Pass
		Inner_1RB_Right	23.16	/	/	26.98	/	/	<=30	Pass
	3930	Edge_1RB_Left	22.05	/	/	25.87	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	25.98	/	/	<=30	Pass
		Outer_Full	21.99	/	/	25.81	/	/	<=30	Pass
		Inner_Full	22.96	/	/	26.78	/	/	<=30	Pass

DFT-s-OFDM 64 QAM	3750	Inner_1RB_Left	23.03	/	/	26.85	/	/	<=30	Pass
		Inner_1RB_Right	23.16	/	/	26.98	/	/	<=30	Pass
		Edge_1RB_Left	20.48	/	/	24.30	/	/	<=30	Pass
		Edge_1RB_Right	20.71	/	/	24.53	/	/	<=30	Pass
		Outer_Full	20.55	/	/	24.37	/	/	<=30	Pass
		Inner_Full	20.46	/	/	24.28	/	/	<=30	Pass
	3840	Inner_1RB_Left	20.33	/	/	24.15	/	/	<=30	Pass
		Inner_1RB_Right	20.69	/	/	24.51	/	/	<=30	Pass
		Edge_1RB_Left	20.64	/	/	24.46	/	/	<=30	Pass
		Edge_1RB_Right	20.79	/	/	24.61	/	/	<=30	Pass
		Outer_Full	20.78	/	/	24.60	/	/	<=30	Pass
		Inner_Full	20.72	/	/	24.54	/	/	<=30	Pass
	3930	Inner_1RB_Left	20.72	/	/	24.54	/	/	<=30	Pass
		Inner_1RB_Right	20.94	/	/	24.76	/	/	<=30	Pass
		Edge_1RB_Left	20.56	/	/	24.38	/	/	<=30	Pass
		Edge_1RB_Right	20.69	/	/	24.51	/	/	<=30	Pass
		Outer_Full	20.61	/	/	24.43	/	/	<=30	Pass
		Inner_Full	20.54	/	/	24.36	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Inner_1RB_Left	20.56	/	/	24.38	/	/	<=30	Pass
		Inner_1RB_Right	20.70	/	/	24.52	/	/	<=30	Pass
		Edge_1RB_Left	18.33	/	/	22.15	/	/	<=30	Pass
		Edge_1RB_Right	18.83	/	/	22.65	/	/	<=30	Pass
		Outer_Full	18.54	/	/	22.36	/	/	<=30	Pass
		Inner_Full	18.52	/	/	22.34	/	/	<=30	Pass
	3840	Inner_1RB_Left	18.47	/	/	22.29	/	/	<=30	Pass
		Inner_1RB_Right	18.72	/	/	22.54	/	/	<=30	Pass
		Edge_1RB_Left	18.67	/	/	22.49	/	/	<=30	Pass
		Edge_1RB_Right	18.70	/	/	22.52	/	/	<=30	Pass
		Outer_Full	18.65	/	/	22.47	/	/	<=30	Pass
		Inner_Full	18.68	/	/	22.50	/	/	<=30	Pass
	3930	Inner_1RB_Left	18.64	/	/	22.46	/	/	<=30	Pass
		Inner_1RB_Right	18.88	/	/	22.70	/	/	<=30	Pass
		Edge_1RB_Left	18.66	/	/	22.48	/	/	<=30	Pass
		Edge_1RB_Right	18.84	/	/	22.66	/	/	<=30	Pass
		Outer_Full	18.57	/	/	22.39	/	/	<=30	Pass
		Inner_Full	18.61	/	/	22.43	/	/	<=30	Pass
CP-OFDM QPSK	3750	Inner_1RB_Left	18.58	/	/	22.40	/	/	<=30	Pass
		Inner_1RB_Right	18.82	/	/	22.64	/	/	<=30	Pass
		Edge_1RB_Left	19.93	/	/	23.75	/	/	<=30	Pass
		Edge_1RB_Right	20.33	/	/	24.15	/	/	<=30	Pass
		Outer_Full	20.04	/	/	23.86	/	/	<=30	Pass
		Inner_Full	21.50	/	/	25.32	/	/	<=30	Pass
	3840	Inner_1RB_Left	21.44	/	/	25.26	/	/	<=30	Pass
		Inner_1RB_Right	21.84	/	/	25.66	/	/	<=30	Pass
		Edge_1RB_Left	20.05	/	/	23.87	/	/	<=30	Pass
		Edge_1RB_Right	20.39	/	/	24.21	/	/	<=30	Pass
		Outer_Full	20.17	/	/	23.99	/	/	<=30	Pass
		Inner_Full	21.67	/	/	25.49	/	/	<=30	Pass
	3930	Inner_1RB_Left	21.58	/	/	25.40	/	/	<=30	Pass
		Inner_1RB_Right	21.82	/	/	25.64	/	/	<=30	Pass
		Edge_1RB_Left	20.01	/	/	23.83	/	/	<=30	Pass
		Edge_1RB_Right	20.42	/	/	24.24	/	/	<=30	Pass
		Outer_Full	20.14	/	/	23.96	/	/	<=30	Pass
		Inner_Full	21.58	/	/	25.40	/	/	<=30	Pass
CP-OFDM 64 QAM	3750	Inner_1RB_Left	21.60	/	/	25.42	/	/	<=30	Pass
		Inner_1RB_Right	21.85	/	/	25.67	/	/	<=30	Pass
	3750	Edge_1RB_Left	19.66	/	/	23.48	/	/	<=30	Pass
		Edge_1RB_Right								

		Edge_1RB_Right	19.93	/	/	23.75	/	/	<=30	Pass
		Outer_Full	19.63	/	/	23.45	/	/	<=30	Pass
		Inner_Full	19.57	/	/	23.39	/	/	<=30	Pass
		Inner_1RB_Left	19.63	/	/	23.45	/	/	<=30	Pass
		Inner_1RB_Right	19.94	/	/	23.76	/	/	<=30	Pass
		Edge_1RB_Left	19.65	/	/	23.47	/	/	<=30	Pass
		Edge_1RB_Right	19.94	/	/	23.76	/	/	<=30	Pass
		Outer_Full	19.71	/	/	23.53	/	/	<=30	Pass
		Inner_Full	19.67	/	/	23.49	/	/	<=30	Pass
		Inner_1RB_Left	19.57	/	/	23.39	/	/	<=30	Pass
	Inner_1RB_Right	19.87	/	/	23.69	/	/	<=30	Pass	
	3840	Edge_1RB_Left	19.68	/	/	23.50	/	/	<=30	Pass
		Edge_1RB_Right	19.88	/	/	23.70	/	/	<=30	Pass
		Outer_Full	19.71	/	/	23.53	/	/	<=30	Pass
		Inner_Full	19.71	/	/	23.53	/	/	<=30	Pass
		Inner_1RB_Left	19.66	/	/	23.48	/	/	<=30	Pass
		Inner_1RB_Right	19.96	/	/	23.78	/	/	<=30	Pass
	3930	Edge_1RB_Left	19.68	/	/	23.50	/	/	<=30	Pass
		Edge_1RB_Right	19.88	/	/	23.70	/	/	<=30	Pass
		Outer_Full	19.71	/	/	23.53	/	/	<=30	Pass
Inner_Full		19.71	/	/	23.53	/	/	<=30	Pass	
Inner_1RB_Left		19.66	/	/	23.48	/	/	<=30	Pass	
Inner_1RB_Right		19.96	/	/	23.78	/	/	<=30	Pass	
Edge_1RB_Left		16.42	/	/	20.24	/	/	<=30	Pass	
Edge_1RB_Right		16.90	/	/	20.72	/	/	<=30	Pass	
Outer_Full		16.63	/	/	20.45	/	/	<=30	Pass	
Inner_Full		16.55	/	/	20.37	/	/	<=30	Pass	
CP-OFDM 256 QAM	3750	Inner_1RB_Left	16.70	/	/	20.52	/	/	<=30	Pass
		Inner_1RB_Right	16.99	/	/	20.81	/	/	<=30	Pass
		Edge_1RB_Left	16.16	/	/	19.98	/	/	<=30	Pass
		Edge_1RB_Right	16.60	/	/	20.42	/	/	<=30	Pass
		Outer_Full	16.29	/	/	20.11	/	/	<=30	Pass
	3840	Inner_Full	16.17	/	/	19.99	/	/	<=30	Pass
		Inner_1RB_Left	16.22	/	/	20.04	/	/	<=30	Pass
		Inner_1RB_Right	16.43	/	/	20.25	/	/	<=30	Pass
		Edge_1RB_Left	16.63	/	/	20.45	/	/	<=30	Pass
		Edge_1RB_Right	16.93	/	/	20.75	/	/	<=30	Pass
3930	Outer_Full	16.70	/	/	20.52	/	/	<=30	Pass	
	Inner_Full	16.63	/	/	20.45	/	/	<=30	Pass	
	Inner_1RB_Left	16.66	/	/	20.48	/	/	<=30	Pass	
	Inner_1RB_Right	16.84	/	/	20.66	/	/	<=30	Pass	
Note1: Antenna Gain: Ant1: 3.82dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.7 30k_MIMO_20MHz_NTNV_EIRP

1.7.1 Test Result

5G NR n77a SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
CP-OFDM QPSK	3710.01	Edge_1RB_Left	16.78	16.69	19.75	20.60	19.68	23.17	<=30	Pass
		Edge_1RB_Right	17.03	16.79	19.92	20.85	19.78	23.36	<=30	Pass
		Outer_Full	16.89	17.05	19.98	20.71	20.04	23.40	<=30	Pass
		Inner_Full	18.46	18.40	21.44	22.28	21.39	24.87	<=30	Pass
		Inner_1RB_Left	16.75	16.32	19.55	20.57	19.31	23.00	<=30	Pass
		Inner_1RB_Right	18.51	18.55	21.54	22.33	21.54	24.96	<=30	Pass
	3840	Edge_1RB_Left	16.24	15.84	19.05	20.06	18.83	22.50	<=30	Pass
		Edge_1RB_Right	16.74	16.08	19.43	20.56	19.07	22.89	<=30	Pass

		Outer_Full	16.40	16.03	19.23	20.22	19.02	22.67	<=30	Pass
		Inner_Full	17.87	17.55	20.72	21.69	20.54	24.16	<=30	Pass
		Inner_1RB_Left	17.79	17.40	20.61	21.61	20.39	24.05	<=30	Pass
		Inner_1RB_Right	18.18	17.60	20.91	22.00	20.59	24.36	<=30	Pass
		Edge_1RB_Left	16.60	17.10	19.87	20.42	20.09	23.27	<=30	Pass
	3969.99	Edge_1RB_Right	16.64	16.80	19.73	20.46	19.79	23.15	<=30	Pass
		Outer_Full	16.69	16.89	19.80	20.51	19.88	23.22	<=30	Pass
		Inner_Full	18.19	18.40	21.31	22.01	21.39	24.72	<=30	Pass
		Inner_1RB_Left	18.08	18.67	21.39	21.90	21.66	24.79	<=30	Pass
		Inner_1RB_Right	18.30	18.46	21.39	22.12	21.45	24.81	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge_1RB_Left	16.34	16.41	19.39	20.16	19.40	22.81	<=30	Pass
		Edge_1RB_Right	16.59	16.65	19.63	20.41	19.64	23.05	<=30	Pass
		Outer_Full	16.50	16.52	19.52	20.32	19.51	22.94	<=30	Pass
		Inner_Full	16.48	16.43	19.46	20.30	19.42	22.89	<=30	Pass
		Inner_1RB_Left	16.48	16.28	19.39	20.30	19.27	22.83	<=30	Pass
		Inner_1RB_Right	16.50	16.50	19.51	20.32	19.49	22.94	<=30	Pass
	3840	Edge_1RB_Left	15.66	15.55	18.62	19.48	18.54	22.05	<=30	Pass
		Edge_1RB_Right	16.12	15.73	18.94	19.94	18.72	22.38	<=30	Pass
		Outer_Full	16.04	15.56	18.82	19.86	18.55	22.26	<=30	Pass
		Inner_Full	15.97	15.54	18.77	19.79	18.53	22.22	<=30	Pass
		Inner_1RB_Left	15.85	15.28	18.59	19.67	18.27	22.04	<=30	Pass
		Inner_1RB_Right	16.42	15.61	19.04	20.24	18.60	22.51	<=30	Pass
	3969.99	Edge_1RB_Left	16.20	16.59	19.41	20.02	19.58	22.82	<=30	Pass
		Edge_1RB_Right	16.48	16.51	19.51	20.30	19.50	22.93	<=30	Pass
		Outer_Full	16.20	16.33	19.28	20.02	19.32	22.69	<=30	Pass
		Inner_Full	16.20	16.39	19.30	20.02	19.38	22.72	<=30	Pass
		Inner_1RB_Left	16.28	16.49	19.39	20.10	19.48	22.81	<=30	Pass
		Inner_1RB_Right	16.30	16.46	19.39	20.12	19.45	22.81	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge_1RB_Left	13.18	13.29	16.24	17.00	16.28	19.67	<=30	Pass
		Edge_1RB_Right	13.71	13.78	16.76	17.53	16.77	20.18	<=30	Pass
		Outer_Full	13.57	13.46	16.52	17.39	16.45	19.96	<=30	Pass
		Inner_Full	13.47	13.42	16.45	17.29	16.41	19.88	<=30	Pass
		Inner_1RB_Left	13.27	13.28	16.28	17.09	16.27	19.71	<=30	Pass
		Inner_1RB_Right	13.53	13.73	16.64	17.35	16.72	20.06	<=30	Pass
	3840	Edge_1RB_Left	12.75	12.40	15.59	16.57	15.39	19.03	<=30	Pass
		Edge_1RB_Right	13.40	12.95	16.19	17.22	15.94	19.64	<=30	Pass
		Outer_Full	12.92	12.56	15.75	16.74	15.55	19.20	<=30	Pass
		Inner_Full	12.89	12.57	15.74	16.71	15.56	19.18	<=30	Pass
		Inner_1RB_Left	12.76	12.15	15.48	16.58	15.14	18.93	<=30	Pass
		Inner_1RB_Right	13.33	12.78	16.07	17.15	15.77	19.52	<=30	Pass
	3969.99	Edge_1RB_Left	13.24	13.52	16.39	17.06	16.51	19.80	<=30	Pass
		Edge_1RB_Right	13.15	13.37	16.27	16.97	16.36	19.69	<=30	Pass
		Outer_Full	13.18	13.44	16.32	17.00	16.43	19.73	<=30	Pass
		Inner_Full	13.12	13.38	16.26	16.94	16.37	19.67	<=30	Pass
		Inner_1RB_Left	13.40	13.80	16.61	17.22	16.79	20.02	<=30	Pass
		Inner_1RB_Right	13.36	13.28	16.33	17.18	16.27	19.76	<=30	Pass
Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.8 30k_MIMO_30MHz_NTNV_EIRP

1.8.1 Test Result

5G NR n77a SCS=30kHz MIMO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
CP-OFDM QPSK	3715.02	Edge 1RB Left	16.93	16.91	19.93	20.75	19.90	23.36	<=30	Pass
		Edge 1RB Right	16.98	17.14	20.07	20.80	20.13	23.49	<=30	Pass
		Outer Full	17.22	17.21	20.22	21.04	20.20	23.65	<=30	Pass
		Inner Full	18.68	18.67	21.69	22.50	21.66	25.11	<=30	Pass
		Inner 1RB Left	18.48	18.21	21.36	22.30	21.20	24.80	<=30	Pass
		Inner 1RB Right	18.46	18.70	21.59	22.28	21.69	25.01	<=30	Pass
	3840	Edge 1RB Left	16.66	15.89	19.30	20.48	18.88	22.76	<=30	Pass
		Edge 1RB Right	17.12	16.41	19.79	20.94	19.40	23.25	<=30	Pass
		Outer Full	16.65	16.20	19.44	20.47	19.19	22.89	<=30	Pass
		Inner Full	18.12	17.71	20.93	21.94	20.70	24.37	<=30	Pass
		Inner 1RB Left	18.08	17.41	20.77	21.90	20.40	24.22	<=30	Pass
		Inner 1RB Right	18.65	17.82	21.26	22.47	20.81	24.73	<=30	Pass
	3964.98	Edge 1RB Left	16.91	17.50	20.23	20.73	20.49	23.62	<=30	Pass
		Edge 1RB Right	16.98	17.01	20.00	20.80	20.00	23.43	<=30	Pass
		Outer Full	16.95	17.48	20.23	20.77	20.47	23.63	<=30	Pass
		Inner Full	18.40	18.86	21.65	22.22	21.85	25.05	<=30	Pass
		Inner 1RB Left	18.57	19.00	21.80	22.39	21.99	25.20	<=30	Pass
		Inner 1RB Right	18.56	18.77	21.68	22.38	21.76	25.09	<=30	Pass
CP-OFDM 64 QAM	3715.02	Edge 1RB Left	16.47	16.32	19.41	20.29	19.31	22.84	<=30	Pass
		Edge 1RB Right	16.64	16.76	19.71	20.46	19.75	23.13	<=30	Pass
		Outer Full	16.55	16.69	19.63	20.37	19.68	23.05	<=30	Pass
		Inner Full	16.76	16.70	19.74	20.58	19.69	23.17	<=30	Pass
		Inner 1RB Left	16.60	16.45	19.53	20.42	19.44	22.97	<=30	Pass
		Inner 1RB Right	16.57	16.77	19.68	20.39	19.76	23.10	<=30	Pass
	3840	Edge 1RB Left	16.15	15.42	18.81	19.97	18.41	22.27	<=30	Pass
		Edge 1RB Right	16.57	15.72	19.18	20.39	18.71	22.64	<=30	Pass
		Outer Full	15.98	15.54	18.77	19.80	18.53	22.22	<=30	Pass
		Inner Full	16.10	15.66	18.89	19.92	18.65	22.34	<=30	Pass
		Inner 1RB Left	16.09	15.58	18.85	19.91	18.57	22.30	<=30	Pass
		Inner 1RB Right	16.56	15.80	19.21	20.38	18.79	22.67	<=30	Pass
	3964.98	Edge 1RB Left	16.35	16.91	19.65	20.17	19.90	23.05	<=30	Pass
		Edge 1RB Right	16.49	16.86	19.69	20.31	19.85	23.10	<=30	Pass
		Outer Full	16.41	16.81	19.62	20.23	19.80	23.03	<=30	Pass
		Inner Full	16.38	16.81	19.61	20.20	19.80	23.01	<=30	Pass
		Inner 1RB Left	16.44	17.15	19.82	20.26	20.14	23.21	<=30	Pass
		Inner 1RB Right	16.49	16.80	19.66	20.31	19.79	23.07	<=30	Pass
CP-OFDM 256 QAM	3715.02	Edge 1RB Left	13.57	13.27	16.43	17.39	16.26	19.87	<=30	Pass
		Edge 1RB Right	13.53	13.69	16.62	17.35	16.68	20.04	<=30	Pass
		Outer Full	13.63	13.66	16.66	17.45	16.65	20.08	<=30	Pass
		Inner Full	13.67	13.70	16.69	17.49	16.69	20.12	<=30	Pass
		Inner 1RB Left	13.75	13.55	16.66	17.57	16.54	20.10	<=30	Pass
		Inner 1RB Right	13.42	13.86	16.66	17.24	16.85	20.06	<=30	Pass
	3840	Edge 1RB Left	12.90	12.48	15.70	16.72	15.47	19.15	<=30	Pass
		Edge 1RB Right	13.54	13.01	16.29	17.36	16.00	19.74	<=30	Pass
		Outer Full	13.22	12.76	16.01	17.04	15.75	19.45	<=30	Pass
		Inner Full	13.11	12.77	15.96	16.93	15.76	19.39	<=30	Pass
		Inner 1RB Left	13.16	12.28	15.75	16.98	15.27	19.22	<=30	Pass

		Inner_1RB_Right	13.65	12.91	16.31	17.47	15.90	19.77	<=30	Pass
	3964.98	Edge_1RB_Left	13.78	13.92	16.86	17.60	16.91	20.28	<=30	Pass
		Edge_1RB_Right	13.67	14.00	16.85	17.49	16.99	20.26	<=30	Pass
		Outer_Full	13.41	13.88	16.66	17.23	16.87	20.06	<=30	Pass
		Inner_Full	13.44	13.77	16.62	17.26	16.76	20.03	<=30	Pass
		Inner_1RB_Left	13.45	14.10	16.80	17.27	17.09	20.19	<=30	Pass
		Inner_1RB_Right	13.35	13.81	16.60	17.17	16.80	20.00	<=30	Pass
Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.9 30k_MIMO_40MHz_NTNV_EIRP

1.9.1 Test Result

5G NR n77a SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
CP-OFDM QPSK	3720	Edge 1RB Left	17.01	16.98	20.00	20.83	19.97	23.43	<=30	Pass
		Edge 1RB Right	17.16	17.25	20.22	20.98	20.24	23.64	<=30	Pass
		Outer Full	17.15	17.33	20.25	20.97	20.32	23.67	<=30	Pass
		Inner Full	18.70	18.78	21.75	22.52	21.77	25.17	<=30	Pass
		Inner 1RB Left	18.66	18.53	21.61	22.48	21.52	25.04	<=30	Pass
		Inner 1RB Right	18.66	18.75	21.71	22.48	21.74	25.14	<=30	Pass
	3840	Edge 1RB Left	16.57	15.95	19.28	20.39	18.94	22.74	<=30	Pass
		Edge 1RB Right	17.13	16.31	19.75	20.95	19.30	23.21	<=30	Pass
		Outer Full	16.67	16.04	19.37	20.49	19.03	22.83	<=30	Pass
		Inner Full	18.05	17.67	20.87	21.87	20.66	24.32	<=30	Pass
		Inner 1RB Left	18.39	17.44	20.95	22.21	20.43	24.42	<=30	Pass
		Inner 1RB Right	18.59	17.81	21.23	22.41	20.80	24.69	<=30	Pass
	3960	Edge 1RB Left	16.77	17.51	20.17	20.59	20.50	23.56	<=30	Pass
		Edge 1RB Right	16.81	17.02	19.93	20.63	20.01	23.34	<=30	Pass
		Outer Full	16.96	17.38	20.19	20.78	20.37	23.59	<=30	Pass
		Inner Full	18.35	18.85	21.62	22.17	21.84	25.02	<=30	Pass
		Inner 1RB Left	18.41	19.06	21.76	22.23	22.05	25.15	<=30	Pass
		Inner 1RB Right	18.54	18.51	21.54	22.36	21.50	24.96	<=30	Pass
CP-OFDM 64 QAM	3720	Edge 1RB Left	16.71	16.70	19.72	20.53	19.69	23.14	<=30	Pass
		Edge 1RB Right	16.59	16.86	19.74	20.41	19.85	23.15	<=30	Pass
		Outer Full	16.76	16.75	19.77	20.58	19.74	23.19	<=30	Pass
		Inner Full	16.69	16.80	19.76	20.51	19.79	23.18	<=30	Pass
		Inner 1RB Left	16.72	16.57	19.65	20.54	19.56	23.09	<=30	Pass
		Inner 1RB Right	16.48	16.71	19.61	20.30	19.70	23.02	<=30	Pass
	3840	Edge 1RB Left	16.36	15.45	18.94	20.18	18.44	22.41	<=30	Pass
		Edge 1RB Right	16.52	15.83	19.20	20.34	18.82	22.66	<=30	Pass
		Outer Full	16.23	15.64	18.95	20.05	18.63	22.41	<=30	Pass
		Inner Full	16.15	15.67	18.93	19.97	18.66	22.37	<=30	Pass
		Inner 1RB Left	16.22	15.41	18.84	20.04	18.40	22.31	<=30	Pass
		Inner 1RB Right	16.67	15.84	19.28	20.49	18.83	22.75	<=30	Pass
	3960	Edge 1RB Left	16.41	17.23	19.85	20.23	20.22	23.24	<=30	Pass
		Edge 1RB Right	16.62	16.69	19.66	20.44	19.68	23.09	<=30	Pass
		Outer Full	16.57	16.87	19.73	20.39	19.86	23.14	<=30	Pass
		Inner Full	16.35	16.82	19.60	20.17	19.81	23.00	<=30	Pass
		Inner 1RB Left	16.67	17.19	19.95	20.49	20.18	23.35	<=30	Pass
		Inner 1RB Right	16.53	16.66	19.61	20.35	19.65	23.02	<=30	Pass

CP-OFDM 256 QAM	3720	Edge_1RB_Left	13.44	13.63	16.55	17.26	16.62	19.96	<=30	Pass
		Edge_1RB_Right	13.66	13.75	16.72	17.48	16.74	20.14	<=30	Pass
		Outer_Full	13.65	13.85	16.76	17.47	16.84	20.18	<=30	Pass
		Inner_Full	13.78	13.88	16.84	17.60	16.87	20.26	<=30	Pass
		Inner_1RB_Left	13.56	13.70	16.64	17.38	16.69	20.06	<=30	Pass
		Inner_1RB_Right	13.57	13.79	16.69	17.39	16.78	20.11	<=30	Pass
	3840	Edge_1RB_Left	13.20	12.57	15.90	17.02	15.56	19.36	<=30	Pass
		Edge_1RB_Right	13.66	12.80	16.26	17.48	15.79	19.73	<=30	Pass
		Outer_Full	13.17	12.70	15.95	16.99	15.69	19.40	<=30	Pass
		Inner_Full	13.13	12.76	15.96	16.95	15.75	19.40	<=30	Pass
		Inner_1RB_Left	13.29	12.66	16.00	17.11	15.65	19.45	<=30	Pass
		Inner_1RB_Right	13.72	12.86	16.32	17.54	15.85	19.79	<=30	Pass
	3960	Edge_1RB_Left	13.39	14.22	16.84	17.21	17.21	20.22	<=30	Pass
		Edge_1RB_Right	13.79	13.83	16.82	17.61	16.82	20.24	<=30	Pass
		Outer_Full	13.52	13.91	16.73	17.34	16.90	20.14	<=30	Pass
		Inner_Full	13.39	13.89	16.66	17.21	16.88	20.06	<=30	Pass
		Inner_1RB_Left	13.37	14.11	16.77	17.19	17.10	20.16	<=30	Pass
		Inner_1RB_Right	13.45	13.83	16.65	17.27	16.82	20.06	<=30	Pass
Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.10 30k_MIMO_60MHz_NTNV_EIRP

1.10.1 Test Result

5G NR n77a SCS=30kHz MIMO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
CP-OFDM QPSK	3730.02	Edge 1RB Left	16.72	16.61	19.67	20.54	19.60	23.11	<=30	Pass
		Edge 1RB Right	16.92	16.88	19.91	20.74	19.87	23.34	<=30	Pass
		Outer Full	16.87	17.05	19.97	20.69	20.04	23.39	<=30	Pass
		Inner Full	18.38	18.56	21.48	22.20	21.55	24.90	<=30	Pass
		Inner 1RB Left	18.26	18.30	21.29	22.08	21.29	24.71	<=30	Pass
		Inner 1RB Right	18.54	18.41	21.49	22.36	21.40	24.92	<=30	Pass
	3840	Edge 1RB Left	16.61	15.84	19.25	20.43	18.83	22.71	<=30	Pass
		Edge 1RB Right	16.97	16.25	19.63	20.79	19.24	23.09	<=30	Pass
		Outer Full	16.52	15.99	19.27	20.34	18.98	22.72	<=30	Pass
		Inner Full	17.92	17.47	20.71	21.74	20.46	24.16	<=30	Pass
		Inner 1RB Left	18.06	17.39	20.74	21.88	20.38	24.20	<=30	Pass
		Inner 1RB Right	18.45	17.77	21.13	22.27	20.76	24.59	<=30	Pass
	3949.98	Edge 1RB Left	16.73	16.79	19.77	20.55	19.78	23.19	<=30	Pass
		Edge 1RB Right	16.93	16.06	19.53	20.75	19.05	22.99	<=30	Pass
		Outer Full	16.92	16.63	19.79	20.74	19.62	23.23	<=30	Pass
		Inner Full	18.50	18.20	21.36	22.32	21.19	24.80	<=30	Pass
		Inner 1RB Left	18.38	18.46	21.43	22.20	21.45	24.85	<=30	Pass
		Inner 1RB Right	18.68	17.70	21.22	22.50	20.69	24.70	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge 1RB Left	16.60	16.44	19.53	20.42	19.43	22.96	<=30	Pass
		Edge 1RB Right	16.69	16.52	19.62	20.51	19.51	23.05	<=30	Pass
		Outer Full	16.42	16.51	19.48	20.24	19.50	22.90	<=30	Pass
		Inner Full	16.40	16.56	19.49	20.22	19.55	22.91	<=30	Pass
		Inner 1RB Left	16.38	16.46	19.43	20.20	19.45	22.85	<=30	Pass
		Inner 1RB Right	16.67	16.50	19.59	20.49	19.49	23.03	<=30	Pass
	3840	Edge 1RB Left	16.22	15.34	18.81	20.04	18.33	22.28	<=30	Pass
		Edge 1RB Right	16.42	15.73	19.10	20.24	18.72	22.56	<=30	Pass
		Outer Full	16.10	15.46	18.80	19.92	18.45	22.26	<=30	Pass

		Inner_Full	16.05	15.50	18.80	19.87	18.49	22.24	<=30	Pass
		Inner_1RB_Left	16.18	15.63	18.93	20.00	18.62	22.37	<=30	Pass
		Inner_1RB_Right	16.36	15.81	19.11	20.18	18.80	22.55	<=30	Pass
	3949.98	Edge_1RB_Left	16.42	16.65	19.54	20.24	19.64	22.96	<=30	Pass
		Edge_1RB_Right	16.66	15.73	19.23	20.48	18.72	22.70	<=30	Pass
		Outer_Full	16.45	16.16	19.32	20.27	19.15	22.76	<=30	Pass
		Inner_Full	16.49	16.22	19.36	20.31	19.21	22.81	<=30	Pass
		Inner_1RB_Left	16.29	16.51	19.41	20.11	19.50	22.83	<=30	Pass
		Inner_1RB_Right	16.61	15.88	19.28	20.43	18.87	22.73	<=30	Pass
CP-OFDM 256 QAM	3730.02	Edge_1RB_Left	13.39	13.28	16.35	17.21	16.27	19.78	<=30	Pass
		Edge_1RB_Right	13.53	13.70	16.63	17.35	16.69	20.04	<=30	Pass
		Outer_Full	13.40	13.53	16.47	17.22	16.52	19.89	<=30	Pass
		Inner_Full	13.40	13.56	16.49	17.22	16.55	19.91	<=30	Pass
		Inner_1RB_Left	13.42	13.25	16.35	17.24	16.24	19.78	<=30	Pass
		Inner_1RB_Right	13.77	13.60	16.69	17.59	16.59	20.13	<=30	Pass
	3840	Edge_1RB_Left	13.09	12.36	15.75	16.91	15.35	19.21	<=30	Pass
		Edge_1RB_Right	13.22	12.65	15.95	17.04	15.64	19.41	<=30	Pass
		Outer_Full	13.01	12.47	15.76	16.83	15.46	19.21	<=30	Pass
		Inner_Full	13.01	12.53	15.79	16.83	15.52	19.23	<=30	Pass
		Inner_1RB_Left	12.91	12.03	15.50	16.73	15.02	18.97	<=30	Pass
		Inner_1RB_Right	13.36	12.52	15.97	17.18	15.51	19.44	<=30	Pass
	3949.98	Edge_1RB_Left	13.19	13.44	16.33	17.01	16.43	19.74	<=30	Pass
		Edge_1RB_Right	13.59	12.92	16.28	17.41	15.91	19.73	<=30	Pass
		Outer_Full	13.40	13.30	16.36	17.22	16.29	19.79	<=30	Pass
		Inner_Full	13.44	13.24	16.35	17.26	16.23	19.79	<=30	Pass
		Inner_1RB_Left	13.32	13.59	16.47	17.14	16.58	19.88	<=30	Pass
		Inner_1RB_Right	13.49	13.03	16.28	17.31	16.02	19.72	<=30	Pass
Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.11 30k_MIMO_80MHz_NTNV_EIRP

1.11.1 Test Result

5G NR n77a SCS=30kHz MIMO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
CP-OFDM QPSK	3740.01	Edge 1RB Left	16.53	16.62	19.59	20.35	19.61	23.01	<=30	Pass
		Edge 1RB Right	17.00	16.27	19.66	20.82	19.26	23.12	<=30	Pass
		Outer Full	16.87	16.94	19.92	20.69	19.93	23.34	<=30	Pass
		Inner Full	18.36	18.53	21.46	22.18	21.52	24.87	<=30	Pass
		Inner 1RB Left	18.39	18.36	21.38	22.21	21.35	24.81	<=30	Pass
		Inner 1RB Right	18.66	17.96	21.33	22.48	20.95	24.79	<=30	Pass
	3840	Edge 1RB Left	16.46	16.00	19.25	20.28	18.99	22.69	<=30	Pass
		Edge 1RB Right	16.60	16.39	19.51	20.42	19.38	22.94	<=30	Pass
		Outer Full	16.38	15.80	19.11	20.20	18.79	22.56	<=30	Pass
		Inner Full	17.82	17.24	20.55	21.64	20.23	24.00	<=30	Pass
		Inner 1RB Left	17.98	17.48	20.75	21.80	20.47	24.20	<=30	Pass
		Inner 1RB Right	18.20	17.94	21.08	22.02	20.93	24.52	<=30	Pass
	3939.99	Edge 1RB Left	16.50	16.74	19.63	20.32	19.73	23.05	<=30	Pass
		Edge 1RB Right	16.76	16.15	19.48	20.58	19.14	22.93	<=30	Pass
		Outer Full	16.97	16.80	19.89	20.79	19.79	23.33	<=30	Pass
		Inner Full	18.53	18.46	21.51	22.35	21.45	24.93	<=30	Pass
		Inner 1RB Left	18.24	18.52	21.39	22.06	21.51	24.80	<=30	Pass
		Inner 1RB Right	18.55	17.79	21.20	22.37	20.78	24.66	<=30	Pass

CP-OFDM 64 QAM	3740.01	Edge_1RB_Left	16.33	16.46	19.41	20.15	19.45	22.82	<=30	Pass
		Edge_1RB_Right	16.65	15.87	19.29	20.47	18.86	22.75	<=30	Pass
		Outer_Full	16.46	16.45	19.46	20.28	19.44	22.89	<=30	Pass
		Inner_Full	16.36	16.57	19.48	20.18	19.56	22.89	<=30	Pass
		Inner_1RB_Left	16.42	16.35	19.40	20.24	19.34	22.82	<=30	Pass
		Inner_1RB_Right	16.59	15.99	19.31	20.41	18.98	22.76	<=30	Pass
	3840	Edge_1RB_Left	16.01	15.41	18.73	19.83	18.40	22.18	<=30	Pass
		Edge_1RB_Right	16.23	16.05	19.15	20.05	19.04	22.58	<=30	Pass
		Outer_Full	16.05	15.33	18.71	19.87	18.32	22.17	<=30	Pass
		Inner_Full	15.88	15.38	18.65	19.70	18.37	22.10	<=30	Pass
		Inner_1RB_Left	15.90	15.53	18.73	19.72	18.52	22.17	<=30	Pass
		Inner_1RB_Right	16.30	16.09	19.21	20.12	19.08	22.64	<=30	Pass
	3939.99	Edge_1RB_Left	16.34	16.55	19.46	20.16	19.54	22.87	<=30	Pass
		Edge_1RB_Right	16.78	15.75	19.30	20.60	18.74	22.78	<=30	Pass
		Outer_Full	16.51	16.30	19.41	20.33	19.29	22.85	<=30	Pass
		Inner_Full	16.56	16.41	19.50	20.38	19.40	22.93	<=30	Pass
		Inner_1RB_Left	16.23	16.48	19.37	20.05	19.47	22.78	<=30	Pass
		Inner_1RB_Right	16.74	15.77	19.29	20.56	18.76	22.76	<=30	Pass
CP-OFDM 256 QAM	3740.01	Edge_1RB_Left	13.27	13.37	16.33	17.09	16.36	19.75	<=30	Pass
		Edge_1RB_Right	13.65	13.13	16.41	17.47	16.12	19.86	<=30	Pass
		Outer_Full	13.49	13.39	16.45	17.31	16.38	19.88	<=30	Pass
		Inner_Full	13.33	13.60	16.48	17.15	16.59	19.89	<=30	Pass
		Inner_1RB_Left	13.33	13.32	16.34	17.15	16.31	19.76	<=30	Pass
		Inner_1RB_Right	13.70	12.97	16.36	17.52	15.96	19.82	<=30	Pass
	3840	Edge_1RB_Left	12.83	12.59	15.72	16.65	15.58	19.16	<=30	Pass
		Edge_1RB_Right	13.10	13.19	16.16	16.92	16.18	19.58	<=30	Pass
		Outer_Full	12.89	12.41	15.67	16.71	15.40	19.11	<=30	Pass
		Inner_Full	12.87	12.36	15.63	16.69	15.35	19.08	<=30	Pass
		Inner_1RB_Left	12.81	12.46	15.65	16.63	15.45	19.09	<=30	Pass
		Inner_1RB_Right	13.33	12.84	16.10	17.15	15.83	19.55	<=30	Pass
	3939.99	Edge_1RB_Left	13.40	13.45	16.44	17.22	16.44	19.86	<=30	Pass
		Edge_1RB_Right	13.42	12.82	16.14	17.24	15.81	19.59	<=30	Pass
		Outer_Full	13.40	13.45	16.43	17.22	16.44	19.86	<=30	Pass
		Inner_Full	13.44	13.43	16.44	17.26	16.42	19.87	<=30	Pass
		Inner_1RB_Left	13.21	13.55	16.39	17.03	16.54	19.80	<=30	Pass
		Inner_1RB_Right	13.23	12.91	16.08	17.05	15.90	19.52	<=30	Pass
Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.12 30k_MIMO_100MHz_NTNV_EIRP

1.12.1 Test Result

5G NR n77a SCS=30kHz MIMO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
CP-OFDM QPSK	3750	Edge_1RB_Left	16.73	16.73	19.74	20.55	19.72	23.17	<=30	Pass
		Edge_1RB_Right	17.14	16.67	19.92	20.96	19.66	23.37	<=30	Pass
		Outer_Full	17.12	16.98	20.06	20.94	19.97	23.49	<=30	Pass
		Inner_Full	18.51	18.56	21.55	22.33	21.55	24.97	<=30	Pass
		Inner_1RB_Left	18.48	18.45	21.48	22.30	21.44	24.90	<=30	Pass
		Inner_1RB_Right	18.76	18.19	21.50	22.58	21.18	24.95	<=30	Pass
	3840	Edge_1RB_Left	16.60	16.08	19.36	20.42	19.07	22.81	<=30	Pass
		Edge_1RB_Right	16.81	16.93	19.88	20.63	19.92	23.30	<=30	Pass
		Outer_Full	16.60	16.32	19.47	20.42	19.31	22.91	<=30	Pass

		Inner_Full	17.88	17.31	20.61	21.70	20.30	24.07	<=30	Pass
		Inner_1RB_Left	18.11	17.71	20.92	21.93	20.70	24.37	<=30	Pass
		Inner_1RB_Right	18.41	18.32	21.38	22.23	21.31	24.80	<=30	Pass
	3930	Edge_1RB_Left	17.19	16.66	19.94	21.01	19.65	23.39	<=30	Pass
		Edge_1RB_Right	17.05	16.20	19.65	20.87	19.19	23.12	<=30	Pass
		Outer_Full	17.08	16.95	20.03	20.90	19.94	23.46	<=30	Pass
		Inner_Full	18.59	18.62	21.62	22.41	21.61	25.04	<=30	Pass
		Inner_1RB_Left	18.63	18.41	21.53	22.45	21.40	24.97	<=30	Pass
		Inner_1RB_Right	18.90	17.92	21.45	22.72	20.91	24.92	<=30	Pass
CP-OFDM 64 QAM	3750	Edge_1RB_Left	16.35	16.62	19.50	20.17	19.61	22.91	<=30	Pass
		Edge_1RB_Right	16.67	16.13	19.42	20.49	19.12	22.87	<=30	Pass
		Outer_Full	17.00	16.50	19.76	20.82	19.49	23.22	<=30	Pass
		Inner_Full	16.52	16.55	19.54	20.34	19.54	22.97	<=30	Pass
		Inner_1RB_Left	16.58	16.73	19.67	20.40	19.72	23.08	<=30	Pass
		Inner_1RB_Right	16.86	16.33	19.61	20.68	19.32	23.06	<=30	Pass
	3840	Edge_1RB_Left	15.99	15.60	18.81	19.81	18.59	22.25	<=30	Pass
		Edge_1RB_Right	16.40	16.55	19.48	20.22	19.54	22.90	<=30	Pass
		Outer_Full	16.18	15.55	18.89	20.00	18.54	22.34	<=30	Pass
		Inner_Full	16.03	15.45	18.76	19.85	18.44	22.21	<=30	Pass
		Inner_1RB_Left	16.04	15.68	18.87	19.86	18.67	22.32	<=30	Pass
		Inner_1RB_Right	16.50	16.44	19.48	20.32	19.43	22.91	<=30	Pass
	3930	Edge_1RB_Left	16.84	16.62	19.74	20.66	19.61	23.18	<=30	Pass
		Edge_1RB_Right	16.85	16.15	19.52	20.67	19.14	22.98	<=30	Pass
		Outer_Full	16.46	16.43	19.46	20.28	19.42	22.88	<=30	Pass
		Inner_Full	16.59	16.64	19.62	20.41	19.63	23.05	<=30	Pass
		Inner_1RB_Left	16.67	16.41	19.55	20.49	19.40	22.99	<=30	Pass
		Inner_1RB_Right	16.93	16.07	19.53	20.75	19.06	23.00	<=30	Pass
CP-OFDM 256 QAM	3750	Edge_1RB_Left	13.28	13.58	16.44	17.10	16.57	19.85	<=30	Pass
		Edge_1RB_Right	13.77	13.32	16.56	17.59	16.31	20.01	<=30	Pass
		Outer_Full	13.51	13.58	16.56	17.33	16.57	19.98	<=30	Pass
		Inner_Full	13.52	13.55	16.55	17.34	16.54	19.97	<=30	Pass
		Inner_1RB_Left	13.43	13.37	16.41	17.25	16.36	19.84	<=30	Pass
		Inner_1RB_Right	13.83	13.31	16.59	17.65	16.30	20.04	<=30	Pass
	3840	Edge_1RB_Left	13.11	12.64	15.89	16.93	15.63	19.34	<=30	Pass
		Edge_1RB_Right	13.38	13.35	16.38	17.20	16.34	19.80	<=30	Pass
		Outer_Full	13.20	12.60	15.92	17.02	15.59	19.37	<=30	Pass
		Inner_Full	13.02	12.44	15.75	16.84	15.43	19.20	<=30	Pass
		Inner_1RB_Left	13.13	12.54	15.85	16.95	15.53	19.31	<=30	Pass
		Inner_1RB_Right	13.52	13.38	16.46	17.34	16.37	19.89	<=30	Pass
	3930	Edge_1RB_Left	13.30	13.51	16.42	17.12	16.50	19.83	<=30	Pass
		Edge_1RB_Right	13.65	13.23	16.45	17.47	16.22	19.90	<=30	Pass
		Outer_Full	13.44	13.54	16.50	17.26	16.53	19.92	<=30	Pass
Inner_Full		13.40	13.58	16.50	17.22	16.57	19.92	<=30	Pass	
Inner_1RB_Left		13.67	13.45	16.57	17.49	16.44	20.01	<=30	Pass	
		Inner_1RB_Right	13.62	12.98	16.32	17.44	15.97	19.78	<=30	Pass
Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi; Note2: EIRP=Conducted Power+Antenna Gain										