



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZCR240100038409

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Appendix B.50

NR Band n78(3450-3550)



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Shenzhen Branch, Wireless Laboratory

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1. Effective (Isotropic) Radiated Power Output Data

1.1 30k_SISO_20MHz_NTNV_EIRP

1.1.1 Test Result

5G NR n78e SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3460.02	Edge_1RB_Left	22.63	/	/	24.33	/	/	<=30	Pass
		Edge_1RB_Right	22.57	/	/	24.27	/	/	<=30	Pass
		Outer_Full	25.60	/	/	27.3	/	/	<=30	Pass
		Inner_Full	26.01	/	/	27.71	/	/	<=30	Pass
		Inner_1RB_Left	26.05	/	/	27.75	/	/	<=30	Pass
		Inner_1RB_Right	25.99	/	/	27.69	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.51	/	/	24.21	/	/	<=30	Pass
		Edge_1RB_Right	22.58	/	/	24.28	/	/	<=30	Pass
		Outer_Full	25.52	/	/	27.22	/	/	<=30	Pass
		Inner_Full	25.98	/	/	27.68	/	/	<=30	Pass
		Inner_1RB_Left	26.06	/	/	27.76	/	/	<=30	Pass
		Inner_1RB_Right	26.15	/	/	27.85	/	/	<=30	Pass
	3540	Edge_1RB_Left	22.22	/	/	23.92	/	/	<=30	Pass
		Edge_1RB_Right	22.34	/	/	24.04	/	/	<=30	Pass
		Outer_Full	25.27	/	/	26.97	/	/	<=30	Pass
		Inner_Full	25.74	/	/	27.44	/	/	<=30	Pass
		Inner_1RB_Left	25.69	/	/	27.39	/	/	<=30	Pass
		Inner_1RB_Right	25.87	/	/	27.57	/	/	<=30	Pass
DFT-s-OFDM QPSK	3460.02	Edge_1RB_Left	22.53	/	/	24.23	/	/	<=30	Pass
		Edge_1RB_Right	22.58	/	/	24.28	/	/	<=30	Pass
		Outer_Full	25.05	/	/	26.75	/	/	<=30	Pass
		Inner_Full	25.99	/	/	27.69	/	/	<=30	Pass
		Inner_1RB_Left	26.01	/	/	27.71	/	/	<=30	Pass
		Inner_1RB_Right	26.06	/	/	27.76	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.52	/	/	24.22	/	/	<=30	Pass
		Edge_1RB_Right	22.59	/	/	24.29	/	/	<=30	Pass
		Outer_Full	25.07	/	/	26.77	/	/	<=30	Pass
		Inner_Full	26.02	/	/	27.72	/	/	<=30	Pass
		Inner_1RB_Left	26.05	/	/	27.75	/	/	<=30	Pass
		Inner_1RB_Right	26.13	/	/	27.83	/	/	<=30	Pass
	3540	Edge_1RB_Left	22.21	/	/	23.91	/	/	<=30	Pass
		Edge_1RB_Right	22.47	/	/	24.17	/	/	<=30	Pass
		Outer_Full	24.79	/	/	26.49	/	/	<=30	Pass
		Inner_Full	25.77	/	/	27.47	/	/	<=30	Pass
		Inner_1RB_Left	25.63	/	/	27.33	/	/	<=30	Pass
		Inner_1RB_Right	25.86	/	/	27.56	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3460.02	Edge_1RB_Left	22.59	/	/	24.29	/	/	<=30	Pass



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		Edge_1RB_Right	22.61	/	/	24.31	/	/	<=30	Pass
		Outer_Full	24.04	/	/	25.74	/	/	<=30	Pass
		Inner_Full	25.11	/	/	26.81	/	/	<=30	Pass
		Inner_1RB_Left	25.04	/	/	26.74	/	/	<=30	Pass
		Inner_1RB_Right	25.03	/	/	26.73	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.34	/	/	24.04	/	/	<=30	Pass
		Edge_1RB_Right	22.45	/	/	24.15	/	/	<=30	Pass
		Outer_Full	24.04	/	/	25.74	/	/	<=30	Pass
		Inner_Full	25.07	/	/	26.77	/	/	<=30	Pass
		Inner_1RB_Left	24.83	/	/	26.53	/	/	<=30	Pass
	3540	Inner_1RB_Right	24.95	/	/	26.65	/	/	<=30	Pass
		Edge_1RB_Left	22.14	/	/	23.84	/	/	<=30	Pass
		Edge_1RB_Right	22.52	/	/	24.22	/	/	<=30	Pass
		Outer_Full	23.83	/	/	25.53	/	/	<=30	Pass
		Inner_Full	24.75	/	/	26.45	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3460.02	Inner_1RB_Left	24.74	/	/	26.44	/	/	<=30	Pass
		Inner_1RB_Right	25.00	/	/	26.7	/	/	<=30	Pass
		Edge_1RB_Left	22.77	/	/	24.47	/	/	<=30	Pass
		Edge_1RB_Right	22.56	/	/	24.26	/	/	<=30	Pass
		Outer_Full	23.56	/	/	25.26	/	/	<=30	Pass
	3500.01	Inner_Full	23.58	/	/	25.28	/	/	<=30	Pass
		Inner_1RB_Left	23.73	/	/	25.43	/	/	<=30	Pass
		Inner_1RB_Right	23.51	/	/	25.21	/	/	<=30	Pass
		Edge_1RB_Left	22.56	/	/	24.26	/	/	<=30	Pass
		Edge_1RB_Right	22.63	/	/	24.33	/	/	<=30	Pass
	3540	Outer_Full	23.55	/	/	25.25	/	/	<=30	Pass
		Inner_Full	23.55	/	/	25.25	/	/	<=30	Pass
		Inner_1RB_Left	23.66	/	/	25.36	/	/	<=30	Pass
		Inner_1RB_Right	23.65	/	/	25.35	/	/	<=30	Pass
		Edge_1RB_Left	22.38	/	/	24.08	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3460.02	Edge_1RB_Right	22.54	/	/	24.24	/	/	<=30	Pass
		Outer_Full	23.29	/	/	24.99	/	/	<=30	Pass
		Inner_Full	23.32	/	/	25.02	/	/	<=30	Pass
		Inner_1RB_Left	23.37	/	/	25.07	/	/	<=30	Pass
		Inner_1RB_Right	23.59	/	/	25.29	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.59	/	/	23.29	/	/	<=30	Pass
		Edge_1RB_Right	21.45	/	/	23.15	/	/	<=30	Pass
		Outer_Full	21.63	/	/	23.33	/	/	<=30	Pass
		Inner_Full	21.63	/	/	23.33	/	/	<=30	Pass
		Inner_1RB_Left	21.41	/	/	23.11	/	/	<=30	Pass
	3540	Inner_1RB_Right	21.53	/	/	23.23	/	/	<=30	Pass
		Edge_1RB_Left	21.40	/	/	23.1	/	/	<=30	Pass
		Edge_1RB_Right	21.52	/	/	23.22	/	/	<=30	Pass
		Outer_Full	21.66	/	/	23.36	/	/	<=30	Pass
		Inner_Full	21.57	/	/	23.27	/	/	<=30	Pass
		Inner_1RB_Left	21.52	/	/	23.22	/	/	<=30	Pass
		Inner_1RB_Right	21.46	/	/	23.16	/	/	<=30	Pass
		Edge_1RB_Left	21.23	/	/	22.93	/	/	<=30	Pass



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		Edge_1RB_Right	21.36	/	/	23.06	/	/	<=30	Pass
		Outer_Full	21.33	/	/	23.03	/	/	<=30	Pass
		Inner_Full	21.35	/	/	23.05	/	/	<=30	Pass
		Inner_1RB_Left	21.09	/	/	22.79	/	/	<=30	Pass
		Inner_1RB_Right	21.37	/	/	23.07	/	/	<=30	Pass
CP-OFDM QPSK	3460.02	Edge_1RB_Left	22.58	/	/	24.28	/	/	<=30	Pass
		Edge_1RB_Right	22.59	/	/	24.29	/	/	<=30	Pass
		Outer_Full	23.07	/	/	24.77	/	/	<=30	Pass
		Inner_Full	24.51	/	/	26.21	/	/	<=30	Pass
		Inner_1RB_Left	24.51	/	/	26.21	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	24.51	/	/	26.21	/	/	<=30	Pass
		Edge_1RB_Left	22.60	/	/	24.3	/	/	<=30	Pass
		Edge_1RB_Right	22.66	/	/	24.36	/	/	<=30	Pass
		Outer_Full	23.11	/	/	24.81	/	/	<=30	Pass
		Inner_Full	24.54	/	/	26.24	/	/	<=30	Pass
	3540	Inner_1RB_Left	24.70	/	/	26.4	/	/	<=30	Pass
		Inner_1RB_Right	24.64	/	/	26.34	/	/	<=30	Pass
		Edge_1RB_Left	22.32	/	/	24.02	/	/	<=30	Pass
		Edge_1RB_Right	22.47	/	/	24.17	/	/	<=30	Pass
		Outer_Full	22.81	/	/	24.51	/	/	<=30	Pass
CP-OFDM 16 QAM	3460.02	Inner_Full	24.27	/	/	25.97	/	/	<=30	Pass
		Inner_1RB_Left	24.31	/	/	26.01	/	/	<=30	Pass
		Inner_1RB_Right	24.62	/	/	26.32	/	/	<=30	Pass
		Edge_1RB_Left	22.60	/	/	24.3	/	/	<=30	Pass
		Edge_1RB_Right	22.54	/	/	24.24	/	/	<=30	Pass
	3500.01	Outer_Full	23.08	/	/	24.78	/	/	<=30	Pass
		Inner_Full	24.09	/	/	25.79	/	/	<=30	Pass
		Inner_1RB_Left	23.96	/	/	25.66	/	/	<=30	Pass
		Inner_1RB_Right	23.94	/	/	25.64	/	/	<=30	Pass
		Edge_1RB_Left	22.39	/	/	24.09	/	/	<=30	Pass
	3540	Edge_1RB_Right	22.47	/	/	24.17	/	/	<=30	Pass
		Outer_Full	23.15	/	/	24.85	/	/	<=30	Pass
		Inner_Full	24.06	/	/	25.76	/	/	<=30	Pass
		Inner_1RB_Left	23.89	/	/	25.59	/	/	<=30	Pass
		Inner_1RB_Right	23.85	/	/	25.55	/	/	<=30	Pass
CP-OFDM 64 QAM	3460.02	Edge_1RB_Left	22.04	/	/	23.74	/	/	<=30	Pass
		Edge_1RB_Right	22.46	/	/	24.16	/	/	<=30	Pass
		Outer_Full	22.80	/	/	24.5	/	/	<=30	Pass
		Inner_Full	23.73	/	/	25.43	/	/	<=30	Pass
		Inner_1RB_Left	23.59	/	/	25.29	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	23.87	/	/	25.57	/	/	<=30	Pass
		Edge_1RB_Left	22.70	/	/	24.4	/	/	<=30	Pass
		Edge_1RB_Right	22.72	/	/	24.42	/	/	<=30	Pass
		Outer_Full	22.57	/	/	24.27	/	/	<=30	Pass
		Inner_Full	22.60	/	/	24.3	/	/	<=30	Pass



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		Edge_1RB_Right	22.61	/	/	24.31	/	/	<=30	Pass
		Outer_Full	22.55	/	/	24.25	/	/	<=30	Pass
		Inner_Full	22.57	/	/	24.27	/	/	<=30	Pass
		Inner_1RB_Left	22.60	/	/	24.3	/	/	<=30	Pass
		Inner_1RB_Right	22.66	/	/	24.36	/	/	<=30	Pass
	3540	Edge_1RB_Left	22.27	/	/	23.97	/	/	<=30	Pass
		Edge_1RB_Right	22.61	/	/	24.31	/	/	<=30	Pass
		Outer_Full	22.31	/	/	24.01	/	/	<=30	Pass
		Inner_Full	22.22	/	/	23.92	/	/	<=30	Pass
		Inner_1RB_Left	22.32	/	/	24.02	/	/	<=30	Pass
Inner_1RB_Right	22.55	/	/	24.25	/	/	<=30	Pass		
CP-OFDM 256 QAM	3460.02	Edge_1RB_Left	19.57	/	/	21.27	/	/	<=30	Pass
		Edge_1RB_Right	19.53	/	/	21.23	/	/	<=30	Pass
		Outer_Full	19.63	/	/	21.33	/	/	<=30	Pass
		Inner_Full	19.65	/	/	21.35	/	/	<=30	Pass
		Inner_1RB_Left	19.61	/	/	21.31	/	/	<=30	Pass
		Inner_1RB_Right	19.48	/	/	21.18	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.44	/	/	21.14	/	/	<=30	Pass
		Edge_1RB_Right	19.62	/	/	21.32	/	/	<=30	Pass
		Outer_Full	19.54	/	/	21.24	/	/	<=30	Pass
		Inner_Full	19.58	/	/	21.28	/	/	<=30	Pass
		Inner_1RB_Left	19.59	/	/	21.29	/	/	<=30	Pass
		Inner_1RB_Right	19.52	/	/	21.22	/	/	<=30	Pass
	3540	Edge_1RB_Left	19.23	/	/	20.93	/	/	<=30	Pass
		Edge_1RB_Right	19.47	/	/	21.17	/	/	<=30	Pass
		Outer_Full	19.25	/	/	20.95	/	/	<=30	Pass
		Inner_Full	19.25	/	/	20.95	/	/	<=30	Pass
		Inner_1RB_Left	19.17	/	/	20.87	/	/	<=30	Pass
Inner_1RB_Right	19.53	/	/	21.23	/	/	<=30	Pass		
Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.2 30k_SISO_30MHz_NTNV_EIRP

1.2.1 Test Result

5G NR n78e SCS=30kHz SISO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3465	Edge 1RB Left	22.54	/	/	24.24	/	/	<=30	Pass
		Edge 1RB Right	22.47	/	/	24.17	/	/	<=30	Pass
		Outer Full	25.46	/	/	27.16	/	/	<=30	Pass
		Inner Full	25.96	/	/	27.66	/	/	<=30	Pass
		Inner 1RB Left	25.96	/	/	27.66	/	/	<=30	Pass
		Inner 1RB Right	25.95	/	/	27.65	/	/	<=30	Pass
	3500.01	Edge 1RB Left	22.53	/	/	24.23	/	/	<=30	Pass



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DFT-s-OFDM QPSK		Edge_1RB_Right	22.66	/	/	24.36	/	/	<=30	Pass
		Outer_Full	25.60	/	/	27.3	/	/	<=30	Pass
		Inner_Full	26.07	/	/	27.77	/	/	<=30	Pass
		Inner_1RB_Left	26.04	/	/	27.74	/	/	<=30	Pass
		Inner_1RB_Right	26.01	/	/	27.71	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.54	/	/	24.24	/	/	<=30	Pass
		Edge_1RB_Right	22.48	/	/	24.18	/	/	<=30	Pass
		Outer_Full	25.37	/	/	27.07	/	/	<=30	Pass
		Inner_Full	25.75	/	/	27.45	/	/	<=30	Pass
		Inner_1RB_Left	26.01	/	/	27.71	/	/	<=30	Pass
	3465	Inner_1RB_Right	25.96	/	/	27.66	/	/	<=30	Pass
		Edge_1RB_Left	22.57	/	/	24.27	/	/	<=30	Pass
		Edge_1RB_Right	22.45	/	/	24.15	/	/	<=30	Pass
		Outer_Full	24.95	/	/	26.65	/	/	<=30	Pass
		Inner_Full	26.00	/	/	27.7	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3500.01	Inner_1RB_Left	26.02	/	/	27.72	/	/	<=30	Pass
		Inner_1RB_Right	25.96	/	/	27.66	/	/	<=30	Pass
		Edge_1RB_Left	22.60	/	/	24.3	/	/	<=30	Pass
		Edge_1RB_Right	22.51	/	/	24.21	/	/	<=30	Pass
		Outer_Full	25.14	/	/	26.84	/	/	<=30	Pass
	3534.99	Inner_Full	26.01	/	/	27.71	/	/	<=30	Pass
		Inner_1RB_Left	25.99	/	/	27.69	/	/	<=30	Pass
		Inner_1RB_Right	26.05	/	/	27.75	/	/	<=30	Pass
		Edge_1RB_Left	22.45	/	/	24.15	/	/	<=30	Pass
		Edge_1RB_Right	22.64	/	/	24.34	/	/	<=30	Pass
	3465	Outer_Full	24.87	/	/	26.57	/	/	<=30	Pass
		Inner_Full	25.77	/	/	27.47	/	/	<=30	Pass
		Inner_1RB_Left	25.94	/	/	27.64	/	/	<=30	Pass
		Inner_1RB_Right	26.07	/	/	27.77	/	/	<=30	Pass
		Edge_1RB_Left	22.55	/	/	24.25	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3500.01	Edge_1RB_Right	22.45	/	/	24.15	/	/	<=30	Pass
		Outer_Full	23.97	/	/	25.67	/	/	<=30	Pass
		Inner_Full	24.95	/	/	26.65	/	/	<=30	Pass
		Inner_1RB_Left	24.87	/	/	26.57	/	/	<=30	Pass
		Inner_1RB_Right	24.72	/	/	26.42	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.53	/	/	24.23	/	/	<=30	Pass
		Edge_1RB_Right	22.43	/	/	24.13	/	/	<=30	Pass
		Outer_Full	24.12	/	/	25.82	/	/	<=30	Pass
		Inner_Full	25.02	/	/	26.72	/	/	<=30	Pass
		Inner_1RB_Left	24.91	/	/	26.61	/	/	<=30	Pass
	3465	Inner_1RB_Right	24.88	/	/	26.58	/	/	<=30	Pass
		Edge_1RB_Left	22.51	/	/	24.21	/	/	<=30	Pass
		Edge_1RB_Right	22.30	/	/	24	/	/	<=30	Pass
		Outer_Full	23.93	/	/	25.63	/	/	<=30	Pass
		Inner_Full	24.80	/	/	26.5	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3465	Inner_1RB_Left	24.82	/	/	26.52	/	/	<=30	Pass
		Inner_1RB_Right	24.88	/	/	26.58	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3465	Edge_1RB_Left	22.69	/	/	24.39	/	/	<=30	Pass



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		Edge_1RB_Right	22.55	/	/	24.25	/	/	<=30	Pass
		Outer_Full	23.50	/	/	25.2	/	/	<=30	Pass
		Inner_Full	23.57	/	/	25.27	/	/	<=30	Pass
		Inner_1RB_Left	23.63	/	/	25.33	/	/	<=30	Pass
		Inner_1RB_Right	23.53	/	/	25.23	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.61	/	/	24.31	/	/	<=30	Pass
		Edge_1RB_Right	22.66	/	/	24.36	/	/	<=30	Pass
		Outer_Full	23.59	/	/	25.29	/	/	<=30	Pass
		Inner_Full	23.62	/	/	25.32	/	/	<=30	Pass
		Inner_1RB_Left	23.71	/	/	25.41	/	/	<=30	Pass
	3534.99	Inner_1RB_Right	23.64	/	/	25.34	/	/	<=30	Pass
		Edge_1RB_Left	22.66	/	/	24.36	/	/	<=30	Pass
		Edge_1RB_Right	22.52	/	/	24.22	/	/	<=30	Pass
		Outer_Full	23.40	/	/	25.1	/	/	<=30	Pass
		Inner_Full	23.28	/	/	24.98	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3465	Inner_1RB_Left	23.58	/	/	25.28	/	/	<=30	Pass
		Inner_1RB_Right	23.57	/	/	25.27	/	/	<=30	Pass
		Edge_1RB_Left	21.49	/	/	23.19	/	/	<=30	Pass
		Edge_1RB_Right	21.36	/	/	23.06	/	/	<=30	Pass
		Outer_Full	21.51	/	/	23.21	/	/	<=30	Pass
	3500.01	Inner_Full	21.51	/	/	23.21	/	/	<=30	Pass
		Inner_1RB_Left	21.41	/	/	23.11	/	/	<=30	Pass
		Inner_1RB_Right	21.26	/	/	22.96	/	/	<=30	Pass
		Edge_1RB_Left	21.52	/	/	23.22	/	/	<=30	Pass
		Edge_1RB_Right	21.45	/	/	23.15	/	/	<=30	Pass
	3534.99	Outer_Full	21.68	/	/	23.38	/	/	<=30	Pass
		Inner_Full	21.54	/	/	23.24	/	/	<=30	Pass
		Inner_1RB_Left	21.51	/	/	23.21	/	/	<=30	Pass
		Inner_1RB_Right	21.52	/	/	23.22	/	/	<=30	Pass
		Edge_1RB_Left	21.46	/	/	23.16	/	/	<=30	Pass
CP-OFDM QPSK	3465	Edge_1RB_Right	21.52	/	/	23.22	/	/	<=30	Pass
		Outer_Full	21.46	/	/	23.16	/	/	<=30	Pass
		Inner_Full	21.20	/	/	22.9	/	/	<=30	Pass
		Inner_1RB_Left	21.44	/	/	23.14	/	/	<=30	Pass
		Inner_1RB_Right	21.37	/	/	23.07	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.76	/	/	24.46	/	/	<=30	Pass
		Edge_1RB_Right	22.58	/	/	24.28	/	/	<=30	Pass
		Outer_Full	23.04	/	/	24.74	/	/	<=30	Pass
		Inner_Full	24.45	/	/	26.15	/	/	<=30	Pass
		Inner_1RB_Left	24.61	/	/	26.31	/	/	<=30	Pass
	3534.99	Inner_1RB_Right	24.55	/	/	26.25	/	/	<=30	Pass
		Edge_1RB_Left	22.58	/	/	24.28	/	/	<=30	Pass
		Edge_1RB_Right	22.57	/	/	24.27	/	/	<=30	Pass
		Outer_Full	23.07	/	/	24.77	/	/	<=30	Pass
		Inner_Full	24.51	/	/	26.21	/	/	<=30	Pass
		Inner_1RB_Left	24.64	/	/	26.34	/	/	<=30	Pass
		Inner_1RB_Right	24.51	/	/	26.21	/	/	<=30	Pass
		Edge_1RB_Left	22.55	/	/	24.25	/	/	<=30	Pass



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		Edge_1RB_Right	22.54	/	/	24.24	/	/	<=30	Pass
		Outer_Full	22.89	/	/	24.59	/	/	<=30	Pass
		Inner_Full	24.33	/	/	26.03	/	/	<=30	Pass
		Inner_1RB_Left	24.53	/	/	26.23	/	/	<=30	Pass
		Inner_1RB_Right	24.57	/	/	26.27	/	/	<=30	Pass
CP-OFDM 16 QAM	3465	Edge_1RB_Left	22.51	/	/	24.21	/	/	<=30	Pass
		Edge_1RB_Right	22.34	/	/	24.04	/	/	<=30	Pass
		Outer_Full	23.08	/	/	24.78	/	/	<=30	Pass
		Inner_Full	24.01	/	/	25.71	/	/	<=30	Pass
		Inner_1RB_Left	23.97	/	/	25.67	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	23.88	/	/	25.58	/	/	<=30	Pass
		Edge_1RB_Left	22.40	/	/	24.1	/	/	<=30	Pass
		Edge_1RB_Right	22.53	/	/	24.23	/	/	<=30	Pass
		Outer_Full	23.17	/	/	24.87	/	/	<=30	Pass
		Inner_Full	24.03	/	/	25.73	/	/	<=30	Pass
	3534.99	Inner_1RB_Left	23.88	/	/	25.58	/	/	<=30	Pass
		Inner_1RB_Right	24.04	/	/	25.74	/	/	<=30	Pass
		Edge_1RB_Left	22.60	/	/	24.3	/	/	<=30	Pass
		Edge_1RB_Right	22.42	/	/	24.12	/	/	<=30	Pass
		Outer_Full	22.95	/	/	24.65	/	/	<=30	Pass
CP-OFDM 64 QAM	3465	Inner_Full	23.80	/	/	25.5	/	/	<=30	Pass
		Inner_1RB_Left	23.86	/	/	25.56	/	/	<=30	Pass
		Inner_1RB_Right	23.75	/	/	25.45	/	/	<=30	Pass
		Edge_1RB_Left	22.60	/	/	24.3	/	/	<=30	Pass
		Edge_1RB_Right	22.52	/	/	24.22	/	/	<=30	Pass
	3500.01	Outer_Full	22.54	/	/	24.24	/	/	<=30	Pass
		Inner_Full	22.50	/	/	24.2	/	/	<=30	Pass
		Inner_1RB_Left	22.61	/	/	24.31	/	/	<=30	Pass
		Inner_1RB_Right	22.60	/	/	24.3	/	/	<=30	Pass
		Edge_1RB_Left	22.60	/	/	24.3	/	/	<=30	Pass
	3534.99	Edge_1RB_Right	22.62	/	/	24.32	/	/	<=30	Pass
		Outer_Full	22.62	/	/	24.32	/	/	<=30	Pass
		Inner_Full	22.58	/	/	24.28	/	/	<=30	Pass
		Inner_1RB_Left	22.57	/	/	24.27	/	/	<=30	Pass
		Inner_1RB_Right	22.62	/	/	24.32	/	/	<=30	Pass
CP-OFDM 256 QAM	3465	Edge_1RB_Left	22.62	/	/	24.32	/	/	<=30	Pass
		Edge_1RB_Right	22.82	/	/	24.52	/	/	<=30	Pass
		Outer_Full	22.39	/	/	24.09	/	/	<=30	Pass
		Inner_Full	22.26	/	/	23.96	/	/	<=30	Pass
		Inner_1RB_Left	22.54	/	/	24.24	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	22.65	/	/	24.35	/	/	<=30	Pass
		Edge_1RB_Left	19.62	/	/	21.32	/	/	<=30	Pass
		Edge_1RB_Right	19.53	/	/	21.23	/	/	<=30	Pass
		Outer_Full	19.50	/	/	21.2	/	/	<=30	Pass
		Inner_Full	19.52	/	/	21.22	/	/	<=30	Pass
	3534.99	Inner_1RB_Left	19.38	/	/	21.08	/	/	<=30	Pass
		Inner_1RB_Right	19.40	/	/	21.1	/	/	<=30	Pass
		Edge_1RB_Left	19.56	/	/	21.26	/	/	<=30	Pass



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		Edge_1RB_Right	19.49	/	/	21.19	/	/	<=30	Pass
		Outer_Full	19.62	/	/	21.32	/	/	<=30	Pass
		Inner_Full	19.65	/	/	21.35	/	/	<=30	Pass
		Inner_1RB_Left	19.53	/	/	21.23	/	/	<=30	Pass
		Inner_1RB_Right	19.49	/	/	21.19	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	19.35	/	/	21.05	/	/	<=30	Pass
		Edge_1RB_Right	19.47	/	/	21.17	/	/	<=30	Pass
		Outer_Full	19.43	/	/	21.13	/	/	<=30	Pass
		Inner_Full	19.21	/	/	20.91	/	/	<=30	Pass
		Inner_1RB_Left	19.34	/	/	21.04	/	/	<=30	Pass
		Inner_1RB_Right	19.45	/	/	21.15	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;
Note2: EIRP=Conducted Power+Antenna Gain

1.3 30k_SISO_40MHz_NTNV_EIRP

1.3.1 Test Result

5G NR n78e SCS=30kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3470.01	Edge_1RB_Left	22.62	/	/	24.32	/	/	<=30	Pass
		Edge_1RB_Right	22.66	/	/	24.36	/	/	<=30	Pass
		Outer_Full	25.57	/	/	27.27	/	/	<=30	Pass
		Inner_Full	26.04	/	/	27.74	/	/	<=30	Pass
		Inner_1RB_Left	26.15	/	/	27.85	/	/	<=30	Pass
		Inner_1RB_Right	26.10	/	/	27.8	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.47	/	/	24.17	/	/	<=30	Pass
		Edge_1RB_Right	22.51	/	/	24.21	/	/	<=30	Pass
		Outer_Full	25.58	/	/	27.28	/	/	<=30	Pass
		Inner_Full	26.06	/	/	27.76	/	/	<=30	Pass
		Inner_1RB_Left	26.08	/	/	27.78	/	/	<=30	Pass
		Inner_1RB_Right	25.94	/	/	27.64	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.62	/	/	24.32	/	/	<=30	Pass
		Edge_1RB_Right	22.56	/	/	24.26	/	/	<=30	Pass
		Outer_Full	25.44	/	/	27.14	/	/	<=30	Pass
		Inner_Full	25.78	/	/	27.48	/	/	<=30	Pass
		Inner_1RB_Left	26.07	/	/	27.77	/	/	<=30	Pass
		Inner_1RB_Right	25.99	/	/	27.69	/	/	<=30	Pass
DFT-s-OFDM QPSK	3470.01	Edge_1RB_Left	22.56	/	/	24.26	/	/	<=30	Pass
		Edge_1RB_Right	22.63	/	/	24.33	/	/	<=30	Pass
		Outer_Full	25.08	/	/	26.78	/	/	<=30	Pass
		Inner_Full	25.99	/	/	27.69	/	/	<=30	Pass
		Inner_1RB_Left	26.08	/	/	27.78	/	/	<=30	Pass
		Inner_1RB_Right	26.03	/	/	27.73	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.55	/	/	24.25	/	/	<=30	Pass



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		Edge_1RB_Right	22.52	/	/	24.22	/	/	<=30	Pass
		Outer_Full	25.05	/	/	26.75	/	/	<=30	Pass
		Inner_Full	26.05	/	/	27.75	/	/	<=30	Pass
		Inner_1RB_Left	26.08	/	/	27.78	/	/	<=30	Pass
		Inner_1RB_Right	26.00	/	/	27.7	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.67	/	/	24.37	/	/	<=30	Pass
		Edge_1RB_Right	22.60	/	/	24.3	/	/	<=30	Pass
		Outer_Full	24.83	/	/	26.53	/	/	<=30	Pass
		Inner_Full	25.80	/	/	27.5	/	/	<=30	Pass
		Inner_1RB_Left	26.18	/	/	27.88	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3470.01	Inner_1RB_Right	26.01	/	/	27.71	/	/	<=30	Pass
		Edge_1RB_Left	22.56	/	/	24.26	/	/	<=30	Pass
		Edge_1RB_Right	22.50	/	/	24.2	/	/	<=30	Pass
		Outer_Full	24.02	/	/	25.72	/	/	<=30	Pass
		Inner_Full	24.99	/	/	26.69	/	/	<=30	Pass
		Inner_1RB_Left	24.95	/	/	26.65	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	24.89	/	/	26.59	/	/	<=30	Pass
		Edge_1RB_Left	22.58	/	/	24.28	/	/	<=30	Pass
		Edge_1RB_Right	22.45	/	/	24.15	/	/	<=30	Pass
		Outer_Full	24.09	/	/	25.79	/	/	<=30	Pass
		Inner_Full	25.06	/	/	26.76	/	/	<=30	Pass
		Inner_1RB_Left	24.91	/	/	26.61	/	/	<=30	Pass
	3529.98	Inner_1RB_Right	24.76	/	/	26.46	/	/	<=30	Pass
		Edge_1RB_Left	22.59	/	/	24.29	/	/	<=30	Pass
		Edge_1RB_Right	22.50	/	/	24.2	/	/	<=30	Pass
		Outer_Full	23.90	/	/	25.6	/	/	<=30	Pass
		Inner_Full	24.84	/	/	26.54	/	/	<=30	Pass
		Inner_1RB_Left	25.04	/	/	26.74	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3470.01	Inner_1RB_Right	24.93	/	/	26.63	/	/	<=30	Pass
		Edge_1RB_Left	22.77	/	/	24.47	/	/	<=30	Pass
		Edge_1RB_Right	22.72	/	/	24.42	/	/	<=30	Pass
		Outer_Full	23.56	/	/	25.26	/	/	<=30	Pass
		Inner_Full	23.52	/	/	25.22	/	/	<=30	Pass
		Inner_1RB_Left	23.63	/	/	25.33	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	23.67	/	/	25.37	/	/	<=30	Pass
		Edge_1RB_Left	22.67	/	/	24.37	/	/	<=30	Pass
		Edge_1RB_Right	22.51	/	/	24.21	/	/	<=30	Pass
		Outer_Full	23.65	/	/	25.35	/	/	<=30	Pass
		Inner_Full	23.50	/	/	25.2	/	/	<=30	Pass
		Inner_1RB_Left	23.61	/	/	25.31	/	/	<=30	Pass
	3529.98	Inner_1RB_Right	23.47	/	/	25.17	/	/	<=30	Pass
		Edge_1RB_Left	22.83	/	/	24.53	/	/	<=30	Pass
		Edge_1RB_Right	22.69	/	/	24.39	/	/	<=30	Pass
		Outer_Full	23.56	/	/	25.26	/	/	<=30	Pass
		Inner_Full	23.27	/	/	24.97	/	/	<=30	Pass
		Inner_1RB_Left	23.78	/	/	25.48	/	/	<=30	Pass
DFT-s-OFDM 256	3470.01	Inner_1RB_Right	23.63	/	/	25.33	/	/	<=30	Pass
		Edge_1RB_Left	21.49	/	/	23.19	/	/	<=30	Pass



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QAM		Edge_1RB_Right	21.45	/	/	23.15	/	/	<=30	Pass
		Outer_Full	21.48	/	/	23.18	/	/	<=30	Pass
		Inner_Full	21.53	/	/	23.23	/	/	<=30	Pass
		Inner_1RB_Left	21.58	/	/	23.28	/	/	<=30	Pass
		Inner_1RB_Right	21.44	/	/	23.14	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.39	/	/	23.09	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	23.07	/	/	<=30	Pass
		Outer_Full	21.54	/	/	23.24	/	/	<=30	Pass
		Inner_Full	21.62	/	/	23.32	/	/	<=30	Pass
		Inner_1RB_Left	21.52	/	/	23.22	/	/	<=30	Pass
	3529.98	Inner_1RB_Right	21.36	/	/	23.06	/	/	<=30	Pass
		Edge_1RB_Left	21.64	/	/	23.34	/	/	<=30	Pass
		Edge_1RB_Right	21.38	/	/	23.08	/	/	<=30	Pass
		Outer_Full	21.46	/	/	23.16	/	/	<=30	Pass
		Inner_Full	21.21	/	/	22.91	/	/	<=30	Pass
CP-OFDM QPSK	3470.01	Inner_1RB_Left	21.60	/	/	23.3	/	/	<=30	Pass
		Inner_1RB_Right	21.51	/	/	23.21	/	/	<=30	Pass
		Edge_1RB_Left	22.53	/	/	24.23	/	/	<=30	Pass
		Edge_1RB_Right	22.61	/	/	24.31	/	/	<=30	Pass
		Outer_Full	23.12	/	/	24.82	/	/	<=30	Pass
	3500.01	Inner_Full	24.56	/	/	26.26	/	/	<=30	Pass
		Inner_1RB_Left	24.59	/	/	26.29	/	/	<=30	Pass
		Inner_1RB_Right	24.52	/	/	26.22	/	/	<=30	Pass
		Edge_1RB_Left	22.67	/	/	24.37	/	/	<=30	Pass
		Edge_1RB_Right	22.53	/	/	24.23	/	/	<=30	Pass
	3529.98	Outer_Full	23.07	/	/	24.77	/	/	<=30	Pass
		Inner_Full	24.57	/	/	26.27	/	/	<=30	Pass
		Inner_1RB_Left	24.56	/	/	26.26	/	/	<=30	Pass
		Inner_1RB_Right	24.55	/	/	26.25	/	/	<=30	Pass
		Edge_1RB_Left	22.73	/	/	24.43	/	/	<=30	Pass
CP-OFDM 16 QAM	3470.01	Edge_1RB_Right	22.52	/	/	24.22	/	/	<=30	Pass
		Outer_Full	22.93	/	/	24.63	/	/	<=30	Pass
		Inner_Full	24.31	/	/	26.01	/	/	<=30	Pass
		Inner_1RB_Left	24.73	/	/	26.43	/	/	<=30	Pass
		Inner_1RB_Right	24.53	/	/	26.23	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.51	/	/	24.21	/	/	<=30	Pass
		Edge_1RB_Right	22.49	/	/	24.19	/	/	<=30	Pass
		Outer_Full	23.02	/	/	24.72	/	/	<=30	Pass
		Inner_Full	24.03	/	/	25.73	/	/	<=30	Pass
		Inner_1RB_Left	23.99	/	/	25.69	/	/	<=30	Pass
	3529.98	Inner_1RB_Right	23.96	/	/	25.66	/	/	<=30	Pass
		Edge_1RB_Left	22.58	/	/	24.28	/	/	<=30	Pass
		Edge_1RB_Right	22.38	/	/	24.08	/	/	<=30	Pass
		Outer_Full	23.05	/	/	24.75	/	/	<=30	Pass
		Inner_Full	24.07	/	/	25.77	/	/	<=30	Pass
		Inner_1RB_Left	24.02	/	/	25.72	/	/	<=30	Pass
		Inner_1RB_Right	23.92	/	/	25.62	/	/	<=30	Pass
		Edge_1RB_Left	22.57	/	/	24.27	/	/	<=30	Pass
		Edge_1RB_Right	22.57	/	/	24.27	/	/	<=30	Pass
		Outer_Full	22.57	/	/	24.27	/	/	<=30	Pass



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CP-OFDM 64 QAM		Edge 1RB Right	22.40	/	/	24.1	/	/	<=30	Pass
		Outer Full	22.89	/	/	24.59	/	/	<=30	Pass
		Inner Full	23.79	/	/	25.49	/	/	<=30	Pass
		Inner 1RB Left	24.06	/	/	25.76	/	/	<=30	Pass
		Inner 1RB Right	23.92	/	/	25.62	/	/	<=30	Pass
	3470.01	Edge 1RB Left	22.71	/	/	24.41	/	/	<=30	Pass
		Edge 1RB Right	22.72	/	/	24.42	/	/	<=30	Pass
		Outer Full	22.57	/	/	24.27	/	/	<=30	Pass
		Inner Full	22.57	/	/	24.27	/	/	<=30	Pass
		Inner 1RB Left	22.77	/	/	24.47	/	/	<=30	Pass
	3500.01	Inner 1RB Right	22.71	/	/	24.41	/	/	<=30	Pass
		Edge 1RB Left	22.65	/	/	24.35	/	/	<=30	Pass
		Edge 1RB Right	22.63	/	/	24.33	/	/	<=30	Pass
		Outer Full	22.59	/	/	24.29	/	/	<=30	Pass
		Inner Full	22.60	/	/	24.3	/	/	<=30	Pass
	3529.98	Inner 1RB Left	22.75	/	/	24.45	/	/	<=30	Pass
		Inner 1RB Right	22.57	/	/	24.27	/	/	<=30	Pass
		Edge 1RB Left	22.79	/	/	24.49	/	/	<=30	Pass
		Edge 1RB Right	22.80	/	/	24.5	/	/	<=30	Pass
		Outer Full	22.45	/	/	24.15	/	/	<=30	Pass
CP-OFDM 256 QAM		Inner Full	22.44	/	/	24.14	/	/	<=30	Pass
		Inner 1RB Left	22.93	/	/	24.63	/	/	<=30	Pass
		Inner 1RB Right	22.63	/	/	24.33	/	/	<=30	Pass
	3470.01	Edge 1RB Left	19.63	/	/	21.33	/	/	<=30	Pass
		Edge 1RB Right	19.59	/	/	21.29	/	/	<=30	Pass
		Outer Full	19.58	/	/	21.28	/	/	<=30	Pass
		Inner Full	19.69	/	/	21.39	/	/	<=30	Pass
	3500.01	Inner 1RB Left	19.52	/	/	21.22	/	/	<=30	Pass
		Inner 1RB Right	19.58	/	/	21.28	/	/	<=30	Pass
		Edge 1RB Left	19.51	/	/	21.21	/	/	<=30	Pass
		Edge 1RB Right	19.57	/	/	21.27	/	/	<=30	Pass
		Outer Full	19.58	/	/	21.28	/	/	<=30	Pass
	3529.98	Inner Full	19.68	/	/	21.38	/	/	<=30	Pass
		Inner 1RB Left	19.59	/	/	21.29	/	/	<=30	Pass
		Inner 1RB Right	19.55	/	/	21.25	/	/	<=30	Pass
		Edge 1RB Left	19.55	/	/	21.25	/	/	<=30	Pass
		Edge 1RB Right	19.50	/	/	21.2	/	/	<=30	Pass
		Outer Full	19.42	/	/	21.12	/	/	<=30	Pass
		Inner Full	19.31	/	/	21.01	/	/	<=30	Pass
		Inner 1RB Left	19.54	/	/	21.24	/	/	<=30	Pass
		Inner 1RB Right	19.55	/	/	21.25	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.4 30k_SISO_50MHz_NTNV_EIRP



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1.4.1 Test Result

5G NR n78e SCS=30kHz SISO 50MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3475.02	Edge_1RB_Left	22.40	/	/	24.1	/	/	<=30	Pass
		Edge_1RB_Right	22.30	/	/	24	/	/	<=30	Pass
		Outer_Full	25.44	/	/	27.14	/	/	<=30	Pass
		Inner_Full	25.97	/	/	27.67	/	/	<=30	Pass
		Inner_1RB_Left	25.87	/	/	27.57	/	/	<=30	Pass
		Inner_1RB_Right	25.79	/	/	27.49	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.38	/	/	24.08	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	23.83	/	/	<=30	Pass
		Outer_Full	25.45	/	/	27.15	/	/	<=30	Pass
		Inner_Full	26.07	/	/	27.77	/	/	<=30	Pass
		Inner_1RB_Left	25.85	/	/	27.55	/	/	<=30	Pass
		Inner_1RB_Right	25.67	/	/	27.37	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.48	/	/	24.18	/	/	<=30	Pass
		Edge_1RB_Right	22.17	/	/	23.87	/	/	<=30	Pass
		Outer_Full	25.20	/	/	26.9	/	/	<=30	Pass
		Inner_Full	25.69	/	/	27.39	/	/	<=30	Pass
		Inner_1RB_Left	25.95	/	/	27.65	/	/	<=30	Pass
		Inner_1RB_Right	25.68	/	/	27.38	/	/	<=30	Pass
DFT-s-OFDM QPSK	3475.02	Edge_1RB_Left	22.47	/	/	24.17	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	24.02	/	/	<=30	Pass
		Outer_Full	24.97	/	/	26.67	/	/	<=30	Pass
		Inner_Full	25.86	/	/	27.56	/	/	<=30	Pass
		Inner_1RB_Left	25.86	/	/	27.56	/	/	<=30	Pass
		Inner_1RB_Right	25.77	/	/	27.47	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.44	/	/	24.14	/	/	<=30	Pass
		Edge_1RB_Right	22.15	/	/	23.85	/	/	<=30	Pass
		Outer_Full	25.01	/	/	26.71	/	/	<=30	Pass
		Inner_Full	26.00	/	/	27.7	/	/	<=30	Pass
		Inner_1RB_Left	25.90	/	/	27.6	/	/	<=30	Pass
		Inner_1RB_Right	25.72	/	/	27.42	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.44	/	/	24.14	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	23.86	/	/	<=30	Pass
		Outer_Full	24.71	/	/	26.41	/	/	<=30	Pass
		Inner_Full	25.63	/	/	27.33	/	/	<=30	Pass
		Inner_1RB_Left	25.92	/	/	27.62	/	/	<=30	Pass
		Inner_1RB_Right	25.63	/	/	27.33	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3475.02	Edge_1RB_Left	22.22	/	/	23.92	/	/	<=30	Pass
		Edge_1RB_Right	22.35	/	/	24.05	/	/	<=30	Pass
		Outer_Full	23.92	/	/	25.62	/	/	<=30	Pass
		Inner_Full	24.88	/	/	26.58	/	/	<=30	Pass
		Inner_1RB_Left	24.72	/	/	26.42	/	/	<=30	Pass
		Inner_1RB_Right	24.58	/	/	26.28	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.14	/	/	23.84	/	/	<=30	Pass



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		Edge_1RB_Right	21.98	/	/	23.68	/	/	<=30	Pass
		Outer_Full	23.94	/	/	25.64	/	/	<=30	Pass
		Inner_Full	24.94	/	/	26.64	/	/	<=30	Pass
		Inner_1RB_Left	24.67	/	/	26.37	/	/	<=30	Pass
		Inner_1RB_Right	24.48	/	/	26.18	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.36	/	/	24.06	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	23.78	/	/	<=30	Pass
		Outer_Full	23.70	/	/	25.4	/	/	<=30	Pass
		Inner_Full	24.73	/	/	26.43	/	/	<=30	Pass
		Inner_1RB_Left	24.78	/	/	26.48	/	/	<=30	Pass
		Inner_1RB_Right	24.46	/	/	26.16	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3475.02	Edge_1RB_Left	22.48	/	/	24.18	/	/	<=30	Pass
		Edge_1RB_Right	22.51	/	/	24.21	/	/	<=30	Pass
		Outer_Full	23.41	/	/	25.11	/	/	<=30	Pass
		Inner_Full	23.45	/	/	25.15	/	/	<=30	Pass
		Inner_1RB_Left	23.44	/	/	25.14	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	23.39	/	/	25.09	/	/	<=30	Pass
		Edge_1RB_Left	22.30	/	/	24	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	23.86	/	/	<=30	Pass
		Outer_Full	23.41	/	/	25.11	/	/	<=30	Pass
		Inner_Full	23.51	/	/	25.21	/	/	<=30	Pass
		Inner_1RB_Left	23.29	/	/	24.99	/	/	<=30	Pass
		Inner_1RB_Right	23.24	/	/	24.94	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.55	/	/	24.25	/	/	<=30	Pass
		Edge_1RB_Right	22.22	/	/	23.92	/	/	<=30	Pass
		Outer_Full	23.18	/	/	24.88	/	/	<=30	Pass
		Inner_Full	23.25	/	/	24.95	/	/	<=30	Pass
		Inner_1RB_Left	23.43	/	/	25.13	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3475.02	Inner_1RB_Right	23.20	/	/	24.9	/	/	<=30	Pass
		Edge_1RB_Left	21.25	/	/	22.95	/	/	<=30	Pass
		Edge_1RB_Right	21.31	/	/	23.01	/	/	<=30	Pass
		Outer_Full	21.43	/	/	23.13	/	/	<=30	Pass
		Inner_Full	21.46	/	/	23.16	/	/	<=30	Pass
	3500.01	Inner_1RB_Left	21.38	/	/	23.08	/	/	<=30	Pass
		Inner_1RB_Right	21.14	/	/	22.84	/	/	<=30	Pass
		Edge_1RB_Left	21.34	/	/	23.04	/	/	<=30	Pass
		Edge_1RB_Right	21.00	/	/	22.7	/	/	<=30	Pass
		Outer_Full	21.49	/	/	23.19	/	/	<=30	Pass
	3525	Inner_Full	21.55	/	/	23.25	/	/	<=30	Pass
		Inner_1RB_Left	21.19	/	/	22.89	/	/	<=30	Pass
		Inner_1RB_Right	21.07	/	/	22.77	/	/	<=30	Pass
		Edge_1RB_Left	21.30	/	/	23	/	/	<=30	Pass
		Edge_1RB_Right	21.10	/	/	22.8	/	/	<=30	Pass
CP-OFDM QPSK	3475.02	Outer_Full	21.26	/	/	22.96	/	/	<=30	Pass
		Inner_Full	21.25	/	/	22.95	/	/	<=30	Pass
		Inner_1RB_Left	21.29	/	/	22.99	/	/	<=30	Pass
		Inner_1RB_Right	21.08	/	/	22.78	/	/	<=30	Pass
		Edge_1RB_Left	22.47	/	/	24.17	/	/	<=30	Pass



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		Edge_1RB_Right	22.39	/	/	24.09	/	/	<=30	Pass
		Outer_Full	22.99	/	/	24.69	/	/	<=30	Pass
		Inner_Full	24.41	/	/	26.11	/	/	<=30	Pass
		Inner_1RB_Left	24.34	/	/	26.04	/	/	<=30	Pass
		Inner_1RB_Right	24.33	/	/	26.03	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.42	/	/	24.12	/	/	<=30	Pass
		Edge_1RB_Right	22.17	/	/	23.87	/	/	<=30	Pass
		Outer_Full	23.05	/	/	24.75	/	/	<=30	Pass
		Inner_Full	24.55	/	/	26.25	/	/	<=30	Pass
		Inner_1RB_Left	24.48	/	/	26.18	/	/	<=30	Pass
	3525	Inner_1RB_Right	24.32	/	/	26.02	/	/	<=30	Pass
		Edge_1RB_Left	22.45	/	/	24.15	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	24.02	/	/	<=30	Pass
		Outer_Full	22.91	/	/	24.61	/	/	<=30	Pass
		Inner_Full	24.31	/	/	26.01	/	/	<=30	Pass
CP-OFDM 16 QAM	3475.02	Inner_1RB_Left	24.44	/	/	26.14	/	/	<=30	Pass
		Inner_1RB_Right	24.25	/	/	25.95	/	/	<=30	Pass
		Edge_1RB_Left	22.32	/	/	24.02	/	/	<=30	Pass
		Edge_1RB_Right	22.25	/	/	23.95	/	/	<=30	Pass
		Outer_Full	22.94	/	/	24.64	/	/	<=30	Pass
	3500.01	Inner_Full	23.92	/	/	25.62	/	/	<=30	Pass
		Inner_1RB_Left	23.82	/	/	25.52	/	/	<=30	Pass
		Inner_1RB_Right	23.76	/	/	25.46	/	/	<=30	Pass
		Edge_1RB_Left	22.14	/	/	23.84	/	/	<=30	Pass
		Edge_1RB_Right	21.96	/	/	23.66	/	/	<=30	Pass
	3525	Outer_Full	22.93	/	/	24.63	/	/	<=30	Pass
		Inner_Full	23.99	/	/	25.69	/	/	<=30	Pass
		Inner_1RB_Left	23.64	/	/	25.34	/	/	<=30	Pass
		Inner_1RB_Right	23.49	/	/	25.19	/	/	<=30	Pass
		Edge_1RB_Left	22.33	/	/	24.03	/	/	<=30	Pass
CP-OFDM 64 QAM	3475.02	Edge_1RB_Right	22.07	/	/	23.77	/	/	<=30	Pass
		Outer_Full	22.83	/	/	24.53	/	/	<=30	Pass
		Inner_Full	23.72	/	/	25.42	/	/	<=30	Pass
		Inner_1RB_Left	23.82	/	/	25.52	/	/	<=30	Pass
		Inner_1RB_Right	23.58	/	/	25.28	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.37	/	/	24.07	/	/	<=30	Pass
		Edge_1RB_Right	22.26	/	/	23.96	/	/	<=30	Pass
		Outer_Full	22.40	/	/	24.1	/	/	<=30	Pass
		Inner_Full	22.46	/	/	24.16	/	/	<=30	Pass
		Inner_1RB_Left	22.49	/	/	24.19	/	/	<=30	Pass
	3525	Inner_1RB_Right	22.26	/	/	23.96	/	/	<=30	Pass
		Edge_1RB_Left	22.38	/	/	24.08	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	23.93	/	/	<=30	Pass
		Outer_Full	22.38	/	/	24.08	/	/	<=30	Pass
		Inner_Full	22.43	/	/	24.13	/	/	<=30	Pass
		Inner_1RB_Left	22.50	/	/	24.2	/	/	<=30	Pass
		Inner_1RB_Right	22.24	/	/	23.94	/	/	<=30	Pass
		Edge_1RB_Left	22.52	/	/	24.22	/	/	<=30	Pass



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		Edge_1RB_Right	22.17	/	/	23.87	/	/	<=30	Pass
		Outer_Full	22.27	/	/	23.97	/	/	<=30	Pass
		Inner_Full	22.37	/	/	24.07	/	/	<=30	Pass
		Inner_1RB_Left	22.47	/	/	24.17	/	/	<=30	Pass
		Inner_1RB_Right	22.04	/	/	23.74	/	/	<=30	Pass
CP-OFDM 256 QAM	3475.02	Edge_1RB_Left	19.28	/	/	20.98	/	/	<=30	Pass
		Edge_1RB_Right	19.33	/	/	21.03	/	/	<=30	Pass
		Outer_Full	19.51	/	/	21.21	/	/	<=30	Pass
		Inner_Full	19.49	/	/	21.19	/	/	<=30	Pass
		Inner_1RB_Left	19.35	/	/	21.05	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	19.22	/	/	20.92	/	/	<=30	Pass
		Edge_1RB_Left	19.38	/	/	21.08	/	/	<=30	Pass
		Edge_1RB_Right	19.06	/	/	20.76	/	/	<=30	Pass
		Outer_Full	19.54	/	/	21.24	/	/	<=30	Pass
		Inner_Full	19.38	/	/	21.08	/	/	<=30	Pass
		Inner_1RB_Left	19.31	/	/	21.01	/	/	<=30	Pass
	3525	Inner_1RB_Right	19.05	/	/	20.75	/	/	<=30	Pass
		Edge_1RB_Left	19.47	/	/	21.17	/	/	<=30	Pass
		Edge_1RB_Right	19.28	/	/	20.98	/	/	<=30	Pass
		Outer_Full	19.35	/	/	21.05	/	/	<=30	Pass
		Inner_Full	19.16	/	/	20.86	/	/	<=30	Pass
		Inner_1RB_Left	19.46	/	/	21.16	/	/	<=30	Pass
		Inner_1RB_Right	19.24	/	/	20.94	/	/	<=30	Pass
	Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi; Note2: EIRP=Conducted Power+Antenna Gain									

1.5 30k_SISO_60MHz_NTNV_EIRP

1.5.1 Test Result

5G NR n78e SCS=30kHz SISO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3480	Edge 1RB Left	22.37	/	/	24.07	/	/	<=30	Pass
		Edge 1RB Right	22.51	/	/	24.21	/	/	<=30	Pass
		Outer Full	25.50	/	/	27.2	/	/	<=30	Pass
		Inner Full	26.00	/	/	27.7	/	/	<=30	Pass
		Inner 1RB Left	25.89	/	/	27.59	/	/	<=30	Pass
	3500.01	Inner 1RB Right	25.94	/	/	27.64	/	/	<=30	Pass
		Edge 1RB Left	22.40	/	/	24.1	/	/	<=30	Pass
		Edge 1RB Right	22.18	/	/	23.88	/	/	<=30	Pass
		Outer Full	25.41	/	/	27.11	/	/	<=30	Pass
		Inner Full	25.98	/	/	27.68	/	/	<=30	Pass
	3519.99	Inner 1RB Left	25.88	/	/	27.58	/	/	<=30	Pass
		Inner 1RB Right	25.60	/	/	27.3	/	/	<=30	Pass
		Edge 1RB Left	22.55	/	/	24.25	/	/	<=30	Pass



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		Edge_1RB_Right	22.19	/	/	23.89	/	/	<=30	Pass
		Outer_Full	25.44	/	/	27.14	/	/	<=30	Pass
		Inner_Full	25.91	/	/	27.61	/	/	<=30	Pass
		Inner_1RB_Left	25.95	/	/	27.65	/	/	<=30	Pass
		Inner_1RB_Right	25.73	/	/	27.43	/	/	<=30	Pass
DFT-s-OFDM QPSK	3480	Edge_1RB_Left	22.40	/	/	24.1	/	/	<=30	Pass
		Edge_1RB_Right	22.50	/	/	24.2	/	/	<=30	Pass
		Outer_Full	24.98	/	/	26.68	/	/	<=30	Pass
		Inner_Full	25.98	/	/	27.68	/	/	<=30	Pass
		Inner_1RB_Left	25.97	/	/	27.67	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	25.94	/	/	27.64	/	/	<=30	Pass
		Edge_1RB_Left	22.45	/	/	24.15	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	23.88	/	/	<=30	Pass
		Outer_Full	24.99	/	/	26.69	/	/	<=30	Pass
		Inner_Full	26.05	/	/	27.75	/	/	<=30	Pass
	3519.99	Inner_1RB_Left	25.87	/	/	27.57	/	/	<=30	Pass
		Inner_1RB_Right	25.52	/	/	27.22	/	/	<=30	Pass
		Edge_1RB_Left	22.48	/	/	24.18	/	/	<=30	Pass
		Edge_1RB_Right	22.52	/	/	24.22	/	/	<=30	Pass
		Outer_Full	24.93	/	/	26.63	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3480	Inner_Full	25.91	/	/	27.61	/	/	<=30	Pass
		Inner_1RB_Left	26.00	/	/	27.7	/	/	<=30	Pass
		Inner_1RB_Right	25.88	/	/	27.58	/	/	<=30	Pass
		Edge_1RB_Left	22.33	/	/	24.03	/	/	<=30	Pass
		Edge_1RB_Right	22.25	/	/	23.95	/	/	<=30	Pass
	3500.01	Outer_Full	24.01	/	/	25.71	/	/	<=30	Pass
		Inner_Full	24.95	/	/	26.65	/	/	<=30	Pass
		Inner_1RB_Left	24.76	/	/	26.46	/	/	<=30	Pass
		Inner_1RB_Right	24.75	/	/	26.45	/	/	<=30	Pass
		Edge_1RB_Left	22.33	/	/	24.03	/	/	<=30	Pass
	3519.99	Edge_1RB_Right	21.81	/	/	23.51	/	/	<=30	Pass
		Outer_Full	23.79	/	/	25.49	/	/	<=30	Pass
		Inner_Full	24.97	/	/	26.67	/	/	<=30	Pass
		Inner_1RB_Left	24.84	/	/	26.54	/	/	<=30	Pass
		Inner_1RB_Right	24.36	/	/	26.06	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3480	Edge_1RB_Left	22.35	/	/	24.05	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	23.83	/	/	<=30	Pass
		Outer_Full	23.82	/	/	25.52	/	/	<=30	Pass
		Inner_Full	24.89	/	/	26.59	/	/	<=30	Pass
		Inner_1RB_Left	24.85	/	/	26.55	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	24.55	/	/	26.25	/	/	<=30	Pass
		Edge_1RB_Left	22.46	/	/	24.16	/	/	<=30	Pass
		Edge_1RB_Right	22.45	/	/	24.15	/	/	<=30	Pass
		Outer_Full	23.50	/	/	25.2	/	/	<=30	Pass
		Inner_Full	23.50	/	/	25.2	/	/	<=30	Pass



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DFT-s-OFDM 256 QAM		Edge_1RB_Right	22.08	/	/	23.78	/	/	<=30	Pass
		Outer_Full	23.40	/	/	25.1	/	/	<=30	Pass
		Inner_Full	23.54	/	/	25.24	/	/	<=30	Pass
		Inner_1RB_Left	23.41	/	/	25.11	/	/	<=30	Pass
		Inner_1RB_Right	23.05	/	/	24.75	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	22.51	/	/	24.21	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	23.97	/	/	<=30	Pass
		Outer_Full	23.35	/	/	25.05	/	/	<=30	Pass
		Inner_Full	23.49	/	/	25.19	/	/	<=30	Pass
		Inner_1RB_Left	23.55	/	/	25.25	/	/	<=30	Pass
		Inner_1RB_Right	23.36	/	/	25.06	/	/	<=30	Pass
	3480	Edge_1RB_Left	21.41	/	/	23.11	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	23.07	/	/	<=30	Pass
		Outer_Full	21.55	/	/	23.25	/	/	<=30	Pass
		Inner_Full	21.51	/	/	23.21	/	/	<=30	Pass
		Inner_1RB_Left	21.29	/	/	22.99	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	21.42	/	/	23.12	/	/	<=30	Pass
		Edge_1RB_Left	21.36	/	/	23.06	/	/	<=30	Pass
		Edge_1RB_Right	20.85	/	/	22.55	/	/	<=30	Pass
		Outer_Full	21.41	/	/	23.11	/	/	<=30	Pass
		Inner_Full	21.55	/	/	23.25	/	/	<=30	Pass
CP-OFDM QPSK	3480	Inner_1RB_Left	21.35	/	/	23.05	/	/	<=30	Pass
		Inner_1RB_Right	20.99	/	/	22.69	/	/	<=30	Pass
		Edge_1RB_Left	21.54	/	/	23.24	/	/	<=30	Pass
		Edge_1RB_Right	21.25	/	/	22.95	/	/	<=30	Pass
		Outer_Full	21.46	/	/	23.16	/	/	<=30	Pass
	3519.99	Inner_Full	21.37	/	/	23.07	/	/	<=30	Pass
		Inner_1RB_Left	21.46	/	/	23.16	/	/	<=30	Pass
		Inner_1RB_Right	21.30	/	/	23	/	/	<=30	Pass
		Edge_1RB_Left	22.48	/	/	24.18	/	/	<=30	Pass
		Edge_1RB_Right	22.45	/	/	24.15	/	/	<=30	Pass
	3500.01	Outer_Full	23.08	/	/	24.78	/	/	<=30	Pass
		Inner_Full	24.49	/	/	26.19	/	/	<=30	Pass
		Inner_1RB_Left	24.57	/	/	26.27	/	/	<=30	Pass
		Inner_1RB_Right	24.36	/	/	26.06	/	/	<=30	Pass
		Edge_1RB_Left	22.45	/	/	24.15	/	/	<=30	Pass
	3519.99	Edge_1RB_Right	22.31	/	/	24.01	/	/	<=30	Pass
		Outer_Full	22.99	/	/	24.69	/	/	<=30	Pass
		Inner_Full	24.54	/	/	26.24	/	/	<=30	Pass
		Inner_1RB_Left	24.53	/	/	26.23	/	/	<=30	Pass
		Inner_1RB_Right	24.18	/	/	25.88	/	/	<=30	Pass
CP-OFDM 16 QAM	3480	Edge_1RB_Left	22.57	/	/	24.27	/	/	<=30	Pass
		Edge_1RB_Right	22.38	/	/	24.08	/	/	<=30	Pass
		Outer_Full	22.90	/	/	24.6	/	/	<=30	Pass
		Inner_Full	24.49	/	/	26.19	/	/	<=30	Pass
		Inner_1RB_Left	24.58	/	/	26.28	/	/	<=30	Pass
		Inner_1RB_Right	24.41	/	/	26.11	/	/	<=30	Pass
		Edge_1RB_Left	22.35	/	/	24.05	/	/	<=30	Pass



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		Edge_1RB_Right	22.23	/	/	23.93	/	/	<=30	Pass
		Outer_Full	23.07	/	/	24.77	/	/	<=30	Pass
		Inner_Full	24.04	/	/	25.74	/	/	<=30	Pass
		Inner_1RB_Left	23.89	/	/	25.59	/	/	<=30	Pass
		Inner_1RB_Right	23.82	/	/	25.52	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.30	/	/	24	/	/	<=30	Pass
		Edge_1RB_Right	21.90	/	/	23.6	/	/	<=30	Pass
		Outer_Full	22.92	/	/	24.62	/	/	<=30	Pass
		Inner_Full	23.99	/	/	25.69	/	/	<=30	Pass
		Inner_1RB_Left	23.85	/	/	25.55	/	/	<=30	Pass
	3519.99	Inner_1RB_Right	23.29	/	/	24.99	/	/	<=30	Pass
		Edge_1RB_Left	22.36	/	/	24.06	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	23.97	/	/	<=30	Pass
		Outer_Full	22.88	/	/	24.58	/	/	<=30	Pass
		Inner_Full	23.92	/	/	25.62	/	/	<=30	Pass
CP-OFDM 64 QAM	3480	Inner_1RB_Left	23.95	/	/	25.65	/	/	<=30	Pass
		Inner_1RB_Right	23.80	/	/	25.5	/	/	<=30	Pass
		Edge_1RB_Left	22.68	/	/	24.38	/	/	<=30	Pass
		Edge_1RB_Right	22.48	/	/	24.18	/	/	<=30	Pass
		Outer_Full	22.53	/	/	24.23	/	/	<=30	Pass
	3500.01	Inner_Full	22.50	/	/	24.2	/	/	<=30	Pass
		Inner_1RB_Left	22.42	/	/	24.12	/	/	<=30	Pass
		Inner_1RB_Right	22.48	/	/	24.18	/	/	<=30	Pass
		Edge_1RB_Left	22.51	/	/	24.21	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	23.82	/	/	<=30	Pass
	3519.99	Outer_Full	22.45	/	/	24.15	/	/	<=30	Pass
		Inner_Full	22.61	/	/	24.31	/	/	<=30	Pass
		Inner_1RB_Left	22.51	/	/	24.21	/	/	<=30	Pass
		Inner_1RB_Right	22.03	/	/	23.73	/	/	<=30	Pass
		Edge_1RB_Left	22.48	/	/	24.18	/	/	<=30	Pass
CP-OFDM 256 QAM	3480	Edge_1RB_Right	22.39	/	/	24.09	/	/	<=30	Pass
		Outer_Full	22.47	/	/	24.17	/	/	<=30	Pass
		Inner_Full	22.53	/	/	24.23	/	/	<=30	Pass
		Inner_1RB_Left	22.59	/	/	24.29	/	/	<=30	Pass
		Inner_1RB_Right	22.46	/	/	24.16	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.35	/	/	21.05	/	/	<=30	Pass
		Edge_1RB_Right	19.38	/	/	21.08	/	/	<=30	Pass
		Outer_Full	19.61	/	/	21.31	/	/	<=30	Pass
		Inner_Full	19.50	/	/	21.2	/	/	<=30	Pass
		Inner_1RB_Left	19.36	/	/	21.06	/	/	<=30	Pass
	3519.99	Inner_1RB_Right	19.46	/	/	21.16	/	/	<=30	Pass
		Edge_1RB_Left	19.32	/	/	21.02	/	/	<=30	Pass
		Edge_1RB_Right	19.11	/	/	20.81	/	/	<=30	Pass
		Outer_Full	19.51	/	/	21.21	/	/	<=30	Pass
		Inner_Full	19.56	/	/	21.26	/	/	<=30	Pass
		Inner_1RB_Left	19.40	/	/	21.1	/	/	<=30	Pass
		Inner_1RB_Right	19.07	/	/	20.77	/	/	<=30	Pass
		Edge_1RB_Left	19.38	/	/	21.08	/	/	<=30	Pass



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	Edge_1RB_Right	19.25	/	/	20.95	/	/	<=30	Pass
	Outer_Full	19.44	/	/	21.14	/	/	<=30	Pass
	Inner_Full	19.40	/	/	21.1	/	/	<=30	Pass
	Inner_1RB_Left	19.36	/	/	21.06	/	/	<=30	Pass
	Inner_1RB_Right	19.36	/	/	21.06	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.6 30k_SISO_70MHz_NTNV_EIRP

1.6.1 Test Result

5G NR n78e SCS=30kHz SISO 70MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum		
DFT-s-OFDM PI/2 BPSK	3485.01	Edge_1RB_Left	22.30	/	/	24	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	23.84	/	/	<=30	Pass
		Outer_Full	25.35	/	/	27.05	/	/	<=30	Pass
		Inner_Full	25.84	/	/	27.54	/	/	<=30	Pass
		Inner_1RB_Left	25.79	/	/	27.49	/	/	<=30	Pass
		Inner_1RB_Right	25.57	/	/	27.27	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.28	/	/	23.98	/	/	<=30	Pass
		Edge_1RB_Right	21.73	/	/	23.43	/	/	<=30	Pass
		Outer_Full	25.27	/	/	26.97	/	/	<=30	Pass
		Inner_Full	25.82	/	/	27.52	/	/	<=30	Pass
		Inner_1RB_Left	25.78	/	/	27.48	/	/	<=30	Pass
		Inner_1RB_Right	25.34	/	/	27.04	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	22.27	/	/	23.97	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	23.81	/	/	<=30	Pass
		Outer_Full	25.10	/	/	26.8	/	/	<=30	Pass
		Inner_Full	25.78	/	/	27.48	/	/	<=30	Pass
		Inner_1RB_Left	25.71	/	/	27.41	/	/	<=30	Pass
		Inner_1RB_Right	25.54	/	/	27.24	/	/	<=30	Pass
DFT-s-OFDM QPSK	3485.01	Edge_1RB_Left	22.35	/	/	24.05	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	23.8	/	/	<=30	Pass
		Outer_Full	24.72	/	/	26.42	/	/	<=30	Pass
		Inner_Full	25.84	/	/	27.54	/	/	<=30	Pass
		Inner_1RB_Left	25.84	/	/	27.54	/	/	<=30	Pass
		Inner_1RB_Right	25.57	/	/	27.27	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.31	/	/	24.01	/	/	<=30	Pass
		Edge_1RB_Right	21.79	/	/	23.49	/	/	<=30	Pass
		Outer_Full	24.71	/	/	26.41	/	/	<=30	Pass
		Inner_Full	25.73	/	/	27.43	/	/	<=30	Pass
		Inner_1RB_Left	25.80	/	/	27.5	/	/	<=30	Pass
		Inner_1RB_Right	25.26	/	/	26.96	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	22.25	/	/	23.95	/	/	<=30	Pass



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DFT-s-OFDM 16 QAM		Edge_1RB_Right	22.13	/	/	23.83	/	/	<=30	Pass
		Outer_Full	24.73	/	/	26.43	/	/	<=30	Pass
		Inner_Full	25.78	/	/	27.48	/	/	<=30	Pass
		Inner_1RB_Left	25.67	/	/	27.37	/	/	<=30	Pass
		Inner_1RB_Right	25.60	/	/	27.3	/	/	<=30	Pass
	3485.01	Edge_1RB_Left	22.19	/	/	23.89	/	/	<=30	Pass
		Edge_1RB_Right	21.92	/	/	23.62	/	/	<=30	Pass
		Outer_Full	23.87	/	/	25.57	/	/	<=30	Pass
		Inner_Full	24.82	/	/	26.52	/	/	<=30	Pass
		Inner_1RB_Left	24.64	/	/	26.34	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	24.48	/	/	26.18	/	/	<=30	Pass
		Edge_1RB_Left	22.00	/	/	23.7	/	/	<=30	Pass
		Edge_1RB_Right	21.65	/	/	23.35	/	/	<=30	Pass
		Outer_Full	23.73	/	/	25.43	/	/	<=30	Pass
		Inner_Full	24.70	/	/	26.4	/	/	<=30	Pass
	3514.98	Inner_1RB_Left	24.51	/	/	26.21	/	/	<=30	Pass
		Inner_1RB_Right	24.19	/	/	25.89	/	/	<=30	Pass
		Edge_1RB_Left	22.17	/	/	23.87	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	23.75	/	/	<=30	Pass
		Outer_Full	23.67	/	/	25.37	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3485.01	Inner_Full	24.75	/	/	26.45	/	/	<=30	Pass
		Inner_1RB_Left	24.59	/	/	26.29	/	/	<=30	Pass
		Inner_1RB_Right	24.48	/	/	26.18	/	/	<=30	Pass
		Edge_1RB_Left	22.37	/	/	24.07	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	23.82	/	/	<=30	Pass
	3500.01	Outer_Full	23.29	/	/	24.99	/	/	<=30	Pass
		Inner_Full	23.33	/	/	25.03	/	/	<=30	Pass
		Inner_1RB_Left	23.39	/	/	25.09	/	/	<=30	Pass
		Inner_1RB_Right	23.10	/	/	24.8	/	/	<=30	Pass
		Edge_1RB_Left	22.29	/	/	23.99	/	/	<=30	Pass
	3514.98	Edge_1RB_Right	21.91	/	/	23.61	/	/	<=30	Pass
		Outer_Full	23.20	/	/	24.9	/	/	<=30	Pass
		Inner_Full	23.23	/	/	24.93	/	/	<=30	Pass
		Inner_1RB_Left	23.31	/	/	25.01	/	/	<=30	Pass
		Inner_1RB_Right	22.90	/	/	24.6	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3485.01	Edge_1RB_Left	22.36	/	/	24.06	/	/	<=30	Pass
		Edge_1RB_Right	22.33	/	/	24.03	/	/	<=30	Pass
		Outer_Full	23.28	/	/	24.98	/	/	<=30	Pass
		Inner_Full	23.20	/	/	24.9	/	/	<=30	Pass
		Inner_1RB_Left	23.22	/	/	24.92	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	23.23	/	/	24.93	/	/	<=30	Pass
		Edge_1RB_Left	21.13	/	/	22.83	/	/	<=30	Pass
		Edge_1RB_Right	21.02	/	/	22.72	/	/	<=30	Pass
		Outer_Full	21.38	/	/	23.08	/	/	<=30	Pass
		Inner_Full	21.32	/	/	23.02	/	/	<=30	Pass
		Inner_1RB_Left	21.31	/	/	23.01	/	/	<=30	Pass
		Inner_1RB_Right	21.01	/	/	22.71	/	/	<=30	Pass
		Edge_1RB_Left	21.06	/	/	22.76	/	/	<=30	Pass



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CP-OFDM QPSK		Edge_1RB_Right	20.64	/	/	22.34	/	/	<=30	Pass
		Outer_Full	21.10	/	/	22.8	/	/	<=30	Pass
		Inner_Full	21.25	/	/	22.95	/	/	<=30	Pass
		Inner_1RB_Left	21.17	/	/	22.87	/	/	<=30	Pass
		Inner_1RB_Right	20.70	/	/	22.4	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	21.18	/	/	22.88	/	/	<=30	Pass
		Edge_1RB_Right	21.09	/	/	22.79	/	/	<=30	Pass
		Outer_Full	21.21	/	/	22.91	/	/	<=30	Pass
		Inner_Full	21.23	/	/	22.93	/	/	<=30	Pass
		Inner_1RB_Left	20.97	/	/	22.67	/	/	<=30	Pass
		Inner_1RB_Right	20.97	/	/	22.67	/	/	<=30	Pass
	3485.01	Edge_1RB_Left	22.40	/	/	24.1	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	23.79	/	/	<=30	Pass
		Outer_Full	22.80	/	/	24.5	/	/	<=30	Pass
		Inner_Full	24.26	/	/	25.96	/	/	<=30	Pass
		Inner_1RB_Left	24.40	/	/	26.1	/	/	<=30	Pass
		Inner_1RB_Right	24.21	/	/	25.91	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.30	/	/	24	/	/	<=30	Pass
		Edge_1RB_Right	21.85	/	/	23.55	/	/	<=30	Pass
		Outer_Full	22.67	/	/	24.37	/	/	<=30	Pass
		Inner_Full	24.22	/	/	25.92	/	/	<=30	Pass
		Inner_1RB_Left	24.30	/	/	26	/	/	<=30	Pass
		Inner_1RB_Right	23.80	/	/	25.5	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	22.25	/	/	23.95	/	/	<=30	Pass
		Edge_1RB_Right	22.22	/	/	23.92	/	/	<=30	Pass
		Outer_Full	22.66	/	/	24.36	/	/	<=30	Pass
		Inner_Full	24.19	/	/	25.89	/	/	<=30	Pass
		Inner_1RB_Left	24.16	/	/	25.86	/	/	<=30	Pass
		Inner_1RB_Right	24.16	/	/	25.86	/	/	<=30	Pass
CP-OFDM 16 QAM	3485.01	Edge_1RB_Left	22.21	/	/	23.91	/	/	<=30	Pass
		Edge_1RB_Right	21.87	/	/	23.57	/	/	<=30	Pass
		Outer_Full	22.70	/	/	24.4	/	/	<=30	Pass
		Inner_Full	23.80	/	/	25.5	/	/	<=30	Pass
		Inner_1RB_Left	23.76	/	/	25.46	/	/	<=30	Pass
		Inner_1RB_Right	23.45	/	/	25.15	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.02	/	/	23.72	/	/	<=30	Pass
		Edge_1RB_Right	21.64	/	/	23.34	/	/	<=30	Pass
		Outer_Full	22.64	/	/	24.34	/	/	<=30	Pass
		Inner_Full	23.75	/	/	25.45	/	/	<=30	Pass
		Inner_1RB_Left	23.60	/	/	25.3	/	/	<=30	Pass
		Inner_1RB_Right	23.24	/	/	24.94	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	22.22	/	/	23.92	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	23.78	/	/	<=30	Pass
		Outer_Full	22.67	/	/	24.37	/	/	<=30	Pass
		Inner_Full	23.66	/	/	25.36	/	/	<=30	Pass
		Inner_1RB_Left	23.67	/	/	25.37	/	/	<=30	Pass
		Inner_1RB_Right	23.73	/	/	25.43	/	/	<=30	Pass
CP-OFDM 64 QAM	3485.01	Edge_1RB_Left	22.36	/	/	24.06	/	/	<=30	Pass



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		Edge 1RB Right	22.13	/	/	23.83	/	/	<=30	Pass
		Outer Full	22.24	/	/	23.94	/	/	<=30	Pass
		Inner Full	22.31	/	/	24.01	/	/	<=30	Pass
		Inner 1RB Left	22.51	/	/	24.21	/	/	<=30	Pass
		Inner 1RB Right	22.12	/	/	23.82	/	/	<=30	Pass
	3500.01	Edge 1RB Left	22.28	/	/	23.98	/	/	<=30	Pass
		Edge 1RB Right	21.77	/	/	23.47	/	/	<=30	Pass
		Outer Full	22.18	/	/	23.88	/	/	<=30	Pass
		Inner Full	22.28	/	/	23.98	/	/	<=30	Pass
		Inner 1RB Left	22.30	/	/	24	/	/	<=30	Pass
	3514.98	Inner 1RB Right	21.96	/	/	23.66	/	/	<=30	Pass
		Edge 1RB Left	22.33	/	/	24.03	/	/	<=30	Pass
		Edge 1RB Right	22.27	/	/	23.97	/	/	<=30	Pass
		Outer Full	22.22	/	/	23.92	/	/	<=30	Pass
		Inner Full	22.32	/	/	24.02	/	/	<=30	Pass
CP-OFDM 256 QAM	3485.01	Inner 1RB Left	22.26	/	/	23.96	/	/	<=30	Pass
		Inner 1RB Right	22.33	/	/	24.03	/	/	<=30	Pass
		Edge 1RB Left	19.24	/	/	20.94	/	/	<=30	Pass
		Edge 1RB Right	18.95	/	/	20.65	/	/	<=30	Pass
		Outer Full	19.37	/	/	21.07	/	/	<=30	Pass
	3500.01	Inner Full	19.21	/	/	20.91	/	/	<=30	Pass
		Inner 1RB Left	19.23	/	/	20.93	/	/	<=30	Pass
		Inner 1RB Right	19.15	/	/	20.85	/	/	<=30	Pass
		Edge 1RB Left	19.12	/	/	20.82	/	/	<=30	Pass
		Edge 1RB Right	18.65	/	/	20.35	/	/	<=30	Pass
	3514.98	Outer Full	19.23	/	/	20.93	/	/	<=30	Pass
		Inner Full	19.31	/	/	21.01	/	/	<=30	Pass
		Inner 1RB Left	19.05	/	/	20.75	/	/	<=30	Pass
		Inner 1RB Right	18.74	/	/	20.44	/	/	<=30	Pass
		Edge 1RB Left	19.28	/	/	20.98	/	/	<=30	Pass
		Edge 1RB Right	19.18	/	/	20.88	/	/	<=30	Pass
		Outer Full	19.23	/	/	20.93	/	/	<=30	Pass
		Inner Full	19.32	/	/	21.02	/	/	<=30	Pass
		Inner 1RB Left	19.22	/	/	20.92	/	/	<=30	Pass
		Inner 1RB Right	19.12	/	/	20.82	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.7 30k_SISO_80MHz_NTNV_EIRP

1.7.1 Test Result

5G NR n78e SCS=30kHz SISO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2	3490.02	Edge 1RB Left	22.23	/	/	23.93	/	/	<=30	Pass



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BPSK		Edge_1RB_Right	21.87	/	/	23.57	/	/	<=30	Pass
		Outer_Full	25.17	/	/	26.87	/	/	<=30	Pass
		Inner_Full	25.77	/	/	27.47	/	/	<=30	Pass
		Inner_1RB_Left	25.78	/	/	27.48	/	/	<=30	Pass
		Inner_1RB_Right	25.39	/	/	27.09	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.24	/	/	23.94	/	/	<=30	Pass
		Edge_1RB_Right	21.75	/	/	23.45	/	/	<=30	Pass
		Outer_Full	25.19	/	/	26.89	/	/	<=30	Pass
		Inner_Full	25.70	/	/	27.4	/	/	<=30	Pass
		Inner_1RB_Left	25.62	/	/	27.32	/	/	<=30	Pass
	3510	Inner_1RB_Right	25.30	/	/	27	/	/	<=30	Pass
		Edge_1RB_Left	22.14	/	/	23.84	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	23.82	/	/	<=30	Pass
		Outer_Full	25.17	/	/	26.87	/	/	<=30	Pass
		Inner_Full	25.77	/	/	27.47	/	/	<=30	Pass
DFT-s-OFDM QPSK	3490.02	Inner_1RB_Left	25.63	/	/	27.33	/	/	<=30	Pass
		Inner_1RB_Right	25.49	/	/	27.19	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.31	/	/	24.01	/	/	<=30	Pass
		Edge_1RB_Right	21.82	/	/	23.52	/	/	<=30	Pass
		Outer_Full	24.70	/	/	26.4	/	/	<=30	Pass
		Inner_Full	25.80	/	/	27.5	/	/	<=30	Pass
		Inner_1RB_Left	25.68	/	/	27.38	/	/	<=30	Pass
	3510	Inner_1RB_Right	25.39	/	/	27.09	/	/	<=30	Pass
		Edge_1RB_Left	22.20	/	/	23.9	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	23.54	/	/	<=30	Pass
		Outer_Full	24.61	/	/	26.31	/	/	<=30	Pass
		Inner_Full	25.72	/	/	27.42	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3490.02	Inner_1RB_Left	25.76	/	/	27.46	/	/	<=30	Pass
		Inner_1RB_Right	25.29	/	/	26.99	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.13	/	/	23.83	/	/	<=30	Pass
		Edge_1RB_Right	22.04	/	/	23.74	/	/	<=30	Pass
		Outer_Full	24.64	/	/	26.34	/	/	<=30	Pass
		Inner_Full	25.71	/	/	27.41	/	/	<=30	Pass
		Inner_1RB_Left	25.59	/	/	27.29	/	/	<=30	Pass
	3510	Inner_1RB_Right	25.54	/	/	27.24	/	/	<=30	Pass
		Edge_1RB_Left	22.08	/	/	23.78	/	/	<=30	Pass
		Edge_1RB_Right	21.72	/	/	23.42	/	/	<=30	Pass
		Outer_Full	23.68	/	/	25.38	/	/	<=30	Pass
		Inner_Full	24.70	/	/	26.4	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3490.02	Inner_1RB_Left	24.66	/	/	26.36	/	/	<=30	Pass
		Inner_1RB_Right	24.24	/	/	25.94	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.14	/	/	23.84	/	/	<=30	Pass
		Edge_1RB_Right	21.79	/	/	23.49	/	/	<=30	Pass
		Outer_Full	23.64	/	/	25.34	/	/	<=30	Pass
		Inner_Full	24.76	/	/	26.46	/	/	<=30	Pass
		Inner_1RB_Left	24.59	/	/	26.29	/	/	<=30	Pass
	3510	Inner_1RB_Right	24.17	/	/	25.87	/	/	<=30	Pass
		Edge_1RB_Left	22.14	/	/	23.84	/	/	<=30	Pass



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DFT-s-OFDM 64 QAM		Edge_1RB_Right	22.05	/	/	23.75	/	/	<=30	Pass
		Outer_Full	23.62	/	/	25.32	/	/	<=30	Pass
		Inner_Full	24.66	/	/	26.36	/	/	<=30	Pass
		Inner_1RB_Left	24.43	/	/	26.13	/	/	<=30	Pass
		Inner_1RB_Right	24.38	/	/	26.08	/	/	<=30	Pass
	3490.02	Edge_1RB_Left	22.41	/	/	24.11	/	/	<=30	Pass
		Edge_1RB_Right	21.93	/	/	23.63	/	/	<=30	Pass
		Outer_Full	23.29	/	/	24.99	/	/	<=30	Pass
		Inner_Full	23.31	/	/	25.01	/	/	<=30	Pass
		Inner_1RB_Left	23.21	/	/	24.91	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	22.88	/	/	24.58	/	/	<=30	Pass
		Edge_1RB_Left	22.28	/	/	23.98	/	/	<=30	Pass
		Edge_1RB_Right	21.95	/	/	23.65	/	/	<=30	Pass
		Outer_Full	23.08	/	/	24.78	/	/	<=30	Pass
		Inner_Full	23.21	/	/	24.91	/	/	<=30	Pass
	3510	Inner_1RB_Left	23.38	/	/	25.08	/	/	<=30	Pass
		Inner_1RB_Right	22.89	/	/	24.59	/	/	<=30	Pass
		Edge_1RB_Left	22.31	/	/	24.01	/	/	<=30	Pass
		Edge_1RB_Right	22.25	/	/	23.95	/	/	<=30	Pass
		Outer_Full	23.19	/	/	24.89	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3490.02	Inner_Full	23.16	/	/	24.86	/	/	<=30	Pass
		Inner_1RB_Left	23.22	/	/	24.92	/	/	<=30	Pass
		Inner_1RB_Right	23.22	/	/	24.92	/	/	<=30	Pass
		Edge_1RB_Left	21.13	/	/	22.83	/	/	<=30	Pass
		Edge_1RB_Right	20.78	/	/	22.48	/	/	<=30	Pass
	3500.01	Outer_Full	21.20	/	/	22.9	/	/	<=30	Pass
		Inner_Full	21.28	/	/	22.98	/	/	<=30	Pass
		Inner_1RB_Left	21.11	/	/	22.81	/	/	<=30	Pass
		Inner_1RB_Right	20.75	/	/	22.45	/	/	<=30	Pass
		Edge_1RB_Left	21.10	/	/	22.8	/	/	<=30	Pass
	3510	Edge_1RB_Right	20.66	/	/	22.36	/	/	<=30	Pass
		Outer_Full	21.27	/	/	22.97	/	/	<=30	Pass
		Inner_Full	21.24	/	/	22.94	/	/	<=30	Pass
		Inner_1RB_Left	21.09	/	/	22.79	/	/	<=30	Pass
		Inner_1RB_Right	20.67	/	/	22.37	/	/	<=30	Pass
CP-OFDM QPSK	3490.02	Edge_1RB_Left	21.09	/	/	22.79	/	/	<=30	Pass
		Edge_1RB_Right	20.94	/	/	22.64	/	/	<=30	Pass
		Outer_Full	21.20	/	/	22.9	/	/	<=30	Pass
		Inner_Full	21.17	/	/	22.87	/	/	<=30	Pass
		Inner_1RB_Left	20.99	/	/	22.69	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	21.05	/	/	22.75	/	/	<=30	Pass
		Edge_1RB_Left	22.30	/	/	24	/	/	<=30	Pass
		Edge_1RB_Right	21.89	/	/	23.59	/	/	<=30	Pass



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		Edge_1RB_Right	21.79	/	/	23.49	/	/	<=30	Pass
		Outer_Full	22.69	/	/	24.39	/	/	<=30	Pass
		Inner_Full	24.27	/	/	25.97	/	/	<=30	Pass
		Inner_1RB_Left	24.31	/	/	26.01	/	/	<=30	Pass
		Inner_1RB_Right	23.84	/	/	25.54	/	/	<=30	Pass
	3510	Edge_1RB_Left	22.17	/	/	23.87	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	23.8	/	/	<=30	Pass
		Outer_Full	22.60	/	/	24.3	/	/	<=30	Pass
		Inner_Full	24.09	/	/	25.79	/	/	<=30	Pass
		Inner_1RB_Left	24.16	/	/	25.86	/	/	<=30	Pass
CP-OFDM 16 QAM	3490.02	Inner_1RB_Right	24.08	/	/	25.78	/	/	<=30	Pass
		Edge_1RB_Left	22.17	/	/	23.87	/	/	<=30	Pass
		Edge_1RB_Right	21.67	/	/	23.37	/	/	<=30	Pass
		Outer_Full	22.71	/	/	24.41	/	/	<=30	Pass
		Inner_Full	23.74	/	/	25.44	/	/	<=30	Pass
	3500.01	Inner_1RB_Left	23.66	/	/	25.36	/	/	<=30	Pass
		Inner_1RB_Right	23.22	/	/	24.92	/	/	<=30	Pass
		Edge_1RB_Left	22.05	/	/	23.75	/	/	<=30	Pass
		Edge_1RB_Right	21.60	/	/	23.3	/	/	<=30	Pass
		Outer_Full	22.70	/	/	24.4	/	/	<=30	Pass
	3510	Inner_Full	23.74	/	/	25.44	/	/	<=30	Pass
		Inner_1RB_Left	23.49	/	/	25.19	/	/	<=30	Pass
		Inner_1RB_Right	23.17	/	/	24.87	/	/	<=30	Pass
		Edge_1RB_Left	22.12	/	/	23.82	/	/	<=30	Pass
		Edge_1RB_Right	22.03	/	/	23.73	/	/	<=30	Pass
CP-OFDM 64 QAM	3490.02	Outer_Full	22.67	/	/	24.37	/	/	<=30	Pass
		Inner_Full	23.66	/	/	25.36	/	/	<=30	Pass
		Inner_1RB_Left	23.58	/	/	25.28	/	/	<=30	Pass
		Inner_1RB_Right	23.53	/	/	25.23	/	/	<=30	Pass
		Edge_1RB_Left	22.37	/	/	24.07	/	/	<=30	Pass
	3500.01	Edge_1RB_Right	21.83	/	/	23.53	/	/	<=30	Pass
		Outer_Full	22.24	/	/	23.94	/	/	<=30	Pass
		Inner_Full	22.29	/	/	23.99	/	/	<=30	Pass
		Inner_1RB_Left	22.27	/	/	23.97	/	/	<=30	Pass
		Inner_1RB_Right	21.89	/	/	23.59	/	/	<=30	Pass
	3510	Edge_1RB_Left	22.27	/	/	23.97	/	/	<=30	Pass
		Edge_1RB_Right	21.86	/	/	23.56	/	/	<=30	Pass
		Outer_Full	22.15	/	/	23.85	/	/	<=30	Pass
		Inner_Full	22.20	/	/	23.9	/	/	<=30	Pass
		Inner_1RB_Left	22.29	/	/	23.99	/	/	<=30	Pass
CP-OFDM 256 QAM	3490.02	Inner_1RB_Right	21.89	/	/	23.59	/	/	<=30	Pass
		Edge_1RB_Left	22.25	/	/	23.95	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	23.86	/	/	<=30	Pass
		Outer_Full	22.16	/	/	23.86	/	/	<=30	Pass
		Inner_Full	22.17	/	/	23.87	/	/	<=30	Pass
		Inner_1RB_Left	22.23	/	/	23.93	/	/	<=30	Pass
		Inner_1RB_Right	22.18	/	/	23.88	/	/	<=30	Pass



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		Edge 1RB Right	18.78	/	/	20.48	/	/	<=30	Pass
		Outer Full	19.22	/	/	20.92	/	/	<=30	Pass
		Inner Full	19.20	/	/	20.9	/	/	<=30	Pass
		Inner 1RB Left	19.24	/	/	20.94	/	/	<=30	Pass
		Inner 1RB Right	18.88	/	/	20.58	/	/	<=30	Pass
	3500.01	Edge 1RB Left	19.30	/	/	21	/	/	<=30	Pass
		Edge 1RB Right	18.82	/	/	20.52	/	/	<=30	Pass
		Outer Full	19.10	/	/	20.8	/	/	<=30	Pass
		Inner Full	19.22	/	/	20.92	/	/	<=30	Pass
		Inner 1RB Left	19.23	/	/	20.93	/	/	<=30	Pass
	3510	Inner 1RB Right	18.74	/	/	20.44	/	/	<=30	Pass
		Edge 1RB Left	19.19	/	/	20.89	/	/	<=30	Pass
		Edge 1RB Right	19.00	/	/	20.7	/	/	<=30	Pass
		Outer Full	19.22	/	/	20.92	/	/	<=30	Pass
		Inner Full	19.25	/	/	20.95	/	/	<=30	Pass
		Inner 1RB Left	19.08	/	/	20.78	/	/	<=30	Pass
		Inner 1RB Right	19.06	/	/	20.76	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.8 30k_SISO_90MHz_NTNV_EIRP

1.8.1 Test Result

5G NR n78e SCS=30kHz SISO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3495	Edge 1RB Left	22.22	/	/	23.92	/	/	<=30	Pass
		Edge 1RB Right	21.87	/	/	23.57	/	/	<=30	Pass
		Outer Full	25.15	/	/	26.85	/	/	<=30	Pass
		Inner Full	25.65	/	/	27.35	/	/	<=30	Pass
		Inner 1RB Left	25.59	/	/	27.29	/	/	<=30	Pass
		Inner 1RB Right	25.29	/	/	26.99	/	/	<=30	Pass
	3500.01	Edge 1RB Left	22.13	/	/	23.83	/	/	<=30	Pass
		Edge 1RB Right	21.93	/	/	23.63	/	/	<=30	Pass
		Outer Full	25.07	/	/	26.77	/	/	<=30	Pass
		Inner Full	25.69	/	/	27.39	/	/	<=30	Pass
		Inner 1RB Left	25.57	/	/	27.27	/	/	<=30	Pass
		Inner 1RB Right	25.40	/	/	27.1	/	/	<=30	Pass
	3504.99	Edge 1RB Left	22.08	/	/	23.78	/	/	<=30	Pass
		Edge 1RB Right	22.12	/	/	23.82	/	/	<=30	Pass
		Outer Full	25.16	/	/	26.86	/	/	<=30	Pass
		Inner Full	25.81	/	/	27.51	/	/	<=30	Pass
		Inner 1RB Left	25.57	/	/	27.27	/	/	<=30	Pass
		Inner 1RB Right	25.57	/	/	27.27	/	/	<=30	Pass
DFT-s-OFDM QPSK	3495	Edge 1RB Left	22.09	/	/	23.79	/	/	<=30	Pass



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		Edge_1RB_Right	21.73	/	/	23.43	/	/	<=30	Pass
		Outer_Full	24.58	/	/	26.28	/	/	<=30	Pass
		Inner_Full	25.70	/	/	27.4	/	/	<=30	Pass
		Inner_1RB_Left	25.61	/	/	27.31	/	/	<=30	Pass
		Inner_1RB_Right	25.26	/	/	26.96	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.02	/	/	23.72	/	/	<=30	Pass
		Edge_1RB_Right	21.98	/	/	23.68	/	/	<=30	Pass
		Outer_Full	24.62	/	/	26.32	/	/	<=30	Pass
		Inner_Full	25.71	/	/	27.41	/	/	<=30	Pass
		Inner_1RB_Left	25.54	/	/	27.24	/	/	<=30	Pass
	3504.99	Inner_1RB_Right	25.42	/	/	27.12	/	/	<=30	Pass
		Edge_1RB_Left	22.13	/	/	23.83	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	23.93	/	/	<=30	Pass
		Outer_Full	24.64	/	/	26.34	/	/	<=30	Pass
		Inner_Full	25.79	/	/	27.49	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3495	Inner_1RB_Left	25.60	/	/	27.3	/	/	<=30	Pass
		Inner_1RB_Right	25.65	/	/	27.35	/	/	<=30	Pass
		Edge_1RB_Left	22.17	/	/	23.87	/	/	<=30	Pass
		Edge_1RB_Right	21.78	/	/	23.48	/	/	<=30	Pass
		Outer_Full	23.60	/	/	25.3	/	/	<=30	Pass
	3500.01	Inner_Full	24.68	/	/	26.38	/	/	<=30	Pass
		Inner_1RB_Left	24.50	/	/	26.2	/	/	<=30	Pass
		Inner_1RB_Right	24.12	/	/	25.82	/	/	<=30	Pass
		Edge_1RB_Left	22.03	/	/	23.73	/	/	<=30	Pass
		Edge_1RB_Right	22.00	/	/	23.7	/	/	<=30	Pass
	3504.99	Outer_Full	23.66	/	/	25.36	/	/	<=30	Pass
		Inner_Full	24.72	/	/	26.42	/	/	<=30	Pass
		Inner_1RB_Left	24.37	/	/	26.07	/	/	<=30	Pass
		Inner_1RB_Right	24.22	/	/	25.92	/	/	<=30	Pass
		Edge_1RB_Left	22.08	/	/	23.78	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3495	Edge_1RB_Right	22.18	/	/	23.88	/	/	<=30	Pass
		Outer_Full	23.68	/	/	25.38	/	/	<=30	Pass
		Inner_Full	24.79	/	/	26.49	/	/	<=30	Pass
		Inner_1RB_Left	24.49	/	/	26.19	/	/	<=30	Pass
		Inner_1RB_Right	24.54	/	/	26.24	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.29	/	/	23.99	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	23.54	/	/	<=30	Pass
		Outer_Full	23.09	/	/	24.79	/	/	<=30	Pass
		Inner_Full	23.16	/	/	24.86	/	/	<=30	Pass
		Inner_1RB_Left	23.27	/	/	24.97	/	/	<=30	Pass
	3504.99	Inner_1RB_Right	22.86	/	/	24.56	/	/	<=30	Pass
		Edge_1RB_Left	22.26	/	/	23.96	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	23.71	/	/	<=30	Pass
		Outer_Full	23.10	/	/	24.8	/	/	<=30	Pass
		Inner_Full	23.20	/	/	24.9	/	/	<=30	Pass
		Inner_1RB_Left	23.21	/	/	24.91	/	/	<=30	Pass
		Inner_1RB_Right	22.99	/	/	24.69	/	/	<=30	Pass
		Edge_1RB_Left	22.18	/	/	23.88	/	/	<=30	Pass



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		Edge_1RB_Right	22.19	/	/	23.89	/	/	<=30	Pass
		Outer_Full	23.12	/	/	24.82	/	/	<=30	Pass
		Inner_Full	23.20	/	/	24.9	/	/	<=30	Pass
		Inner_1RB_Left	23.15	/	/	24.85	/	/	<=30	Pass
		Inner_1RB_Right	23.22	/	/	24.92	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3495	Edge_1RB_Left	20.99	/	/	22.69	/	/	<=30	Pass
		Edge_1RB_Right	20.77	/	/	22.47	/	/	<=30	Pass
		Outer_Full	21.12	/	/	22.82	/	/	<=30	Pass
		Inner_Full	21.20	/	/	22.9	/	/	<=30	Pass
		Inner_1RB_Left	21.16	/	/	22.86	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	20.67	/	/	22.37	/	/	<=30	Pass
		Edge_1RB_Left	20.93	/	/	22.63	/	/	<=30	Pass
		Edge_1RB_Right	20.87	/	/	22.57	/	/	<=30	Pass
		Outer_Full	21.16	/	/	22.86	/	/	<=30	Pass
		Inner_Full	21.19	/	/	22.89	/	/	<=30	Pass
	3504.99	Inner_1RB_Left	21.02	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Right	20.75	/	/	22.45	/	/	<=30	Pass
		Edge_1RB_Left	20.98	/	/	22.68	/	/	<=30	Pass
		Edge_1RB_Right	21.01	/	/	22.71	/	/	<=30	Pass
		Outer_Full	21.24	/	/	22.94	/	/	<=30	Pass
CP-OFDM QPSK	3495	Inner_Full	21.29	/	/	22.99	/	/	<=30	Pass
		Inner_1RB_Left	20.97	/	/	22.67	/	/	<=30	Pass
		Inner_1RB_Right	21.05	/	/	22.75	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.26	/	/	23.96	/	/	<=30	Pass
		Edge_1RB_Right	21.92	/	/	23.62	/	/	<=30	Pass
		Outer_Full	22.67	/	/	24.37	/	/	<=30	Pass
		Inner_Full	24.18	/	/	25.88	/	/	<=30	Pass
	3504.99	Inner_1RB_Left	24.16	/	/	25.86	/	/	<=30	Pass
		Inner_1RB_Right	23.75	/	/	25.45	/	/	<=30	Pass
		Edge_1RB_Left	22.04	/	/	23.74	/	/	<=30	Pass
		Edge_1RB_Right	21.99	/	/	23.69	/	/	<=30	Pass
		Outer_Full	22.62	/	/	24.32	/	/	<=30	Pass
	3500.01	Inner_Full	24.22	/	/	25.92	/	/	<=30	Pass
		Inner_1RB_Left	24.12	/	/	25.82	/	/	<=30	Pass
		Inner_1RB_Right	23.84	/	/	25.54	/	/	<=30	Pass
		Edge_1RB_Left	22.21	/	/	23.91	/	/	<=30	Pass
		Edge_1RB_Right	22.25	/	/	23.95	/	/	<=30	Pass
	3504.99	Outer_Full	22.68	/	/	24.38	/	/	<=30	Pass
		Inner_Full	24.22	/	/	25.92	/	/	<=30	Pass
		Inner_1RB_Left	24.19	/	/	25.89	/	/	<=30	Pass
		Inner_1RB_Right	24.13	/	/	25.83	/	/	<=30	Pass
		Edge_1RB_Left	22.07	/	/	23.77	/	/	<=30	Pass
CP-OFDM 16 QAM	3495	Edge_1RB_Right	21.70	/	/	23.4	/	/	<=30	Pass
		Outer_Full	22.67	/	/	24.37	/	/	<=30	Pass
		Inner_Full	23.71	/	/	25.41	/	/	<=30	Pass
		Inner_1RB_Left	23.50	/	/	25.2	/	/	<=30	Pass
		Inner_1RB_Right	23.23	/	/	24.93	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.17	/	/	23.87	/	/	<=30	Pass



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CP-OFDM 64 QAM		Edge 1RB Right	21.97	/	/	23.67	/	/	<=30	Pass
		Outer Full	22.62	/	/	24.32	/	/	<=30	Pass
		Inner Full	23.71	/	/	25.41	/	/	<=30	Pass
		Inner 1RB Left	23.48	/	/	25.18	/	/	<=30	Pass
		Inner 1RB Right	23.30	/	/	25	/	/	<=30	Pass
	3504.99	Edge 1RB Left	21.96	/	/	23.66	/	/	<=30	Pass
		Edge 1RB Right	22.17	/	/	23.87	/	/	<=30	Pass
		Outer Full	22.71	/	/	24.41	/	/	<=30	Pass
		Inner Full	23.79	/	/	25.49	/	/	<=30	Pass
		Inner 1RB Left	23.55	/	/	25.25	/	/	<=30	Pass
		Inner 1RB Right	23.57	/	/	25.27	/	/	<=30	Pass
	3495	Edge 1RB Left	22.25	/	/	23.95	/	/	<=30	Pass
		Edge 1RB Right	22.09	/	/	23.79	/	/	<=30	Pass
		Outer Full	22.13	/	/	23.83	/	/	<=30	Pass
		Inner Full	22.17	/	/	23.87	/	/	<=30	Pass
		Inner 1RB Left	22.27	/	/	23.97	/	/	<=30	Pass
	3500.01	Inner 1RB Right	21.95	/	/	23.65	/	/	<=30	Pass
		Edge 1RB Left	22.29	/	/	23.99	/	/	<=30	Pass
		Edge 1RB Right	22.02	/	/	23.72	/	/	<=30	Pass
		Outer Full	22.19	/	/	23.89	/	/	<=30	Pass
		Inner Full	22.20	/	/	23.9	/	/	<=30	Pass
CP-OFDM 256 QAM	3495	Inner 1RB Left	22.22	/	/	23.92	/	/	<=30	Pass
		Inner 1RB Right	22.01	/	/	23.71	/	/	<=30	Pass
	3504.99	Edge 1RB Left	22.22	/	/	23.92	/	/	<=30	Pass
		Edge 1RB Right	22.29	/	/	23.99	/	/	<=30	Pass
		Outer Full	22.19	/	/	23.89	/	/	<=30	Pass
		Inner Full	22.26	/	/	23.96	/	/	<=30	Pass
		Inner 1RB Left	22.17	/	/	23.87	/	/	<=30	Pass
		Inner 1RB Right	22.38	/	/	24.08	/	/	<=30	Pass
	3500.01	Edge 1RB Left	19.12	/	/	20.82	/	/	<=30	Pass
		Edge 1RB Right	18.75	/	/	20.45	/	/	<=30	Pass
		Outer Full	19.19	/	/	20.89	/	/	<=30	Pass
		Inner Full	19.24	/	/	20.94	/	/	<=30	Pass
		Inner 1RB Left	19.09	/	/	20.79	/	/	<=30	Pass
	3504.99	Inner 1RB Right	18.74	/	/	20.44	/	/	<=30	Pass
		Edge 1RB Left	19.13	/	/	20.83	/	/	<=30	Pass
		Edge 1RB Right	18.96	/	/	20.66	/	/	<=30	Pass
		Outer Full	19.21	/	/	20.91	/	/	<=30	Pass
		Inner Full	19.26	/	/	20.96	/	/	<=30	Pass
	3500.01	Inner 1RB Left	19.09	/	/	20.79	/	/	<=30	Pass
		Inner 1RB Right	18.87	/	/	20.57	/	/	<=30	Pass
	3504.99	Edge 1RB Left	19.18	/	/	20.88	/	/	<=30	Pass
		Edge 1RB Right	19.22	/	/	20.92	/	/	<=30	Pass
		Outer Full	19.18	/	/	20.88	/	/	<=30	Pass
		Inner Full	19.30	/	/	21	/	/	<=30	Pass
		Inner 1RB Left	19.10	/	/	20.8	/	/	<=30	Pass
		Inner 1RB Right	19.19	/	/	20.89	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;



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Note2: EIRP=Conducted Power+Antenna Gain

1.9 30k_SISO_100MHz_NTNV_EIRP

1.9.1 Test Result

5G NR n78e SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Edge_1RB_Left	22.25	/	/	23.95	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	23.79	/	/	<=30	Pass
		Outer_Full	25.10	/	/	26.8	/	/	<=30	Pass
		Inner_Full	25.68	/	/	27.38	/	/	<=30	Pass
		Inner_1RB_Left	25.59	/	/	27.29	/	/	<=30	Pass
		Inner_1RB_Right	25.53	/	/	27.23	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.24	/	/	23.94	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	23.79	/	/	<=30	Pass
		Outer_Full	25.14	/	/	26.84	/	/	<=30	Pass
		Inner_Full	25.68	/	/	27.38	/	/	<=30	Pass
		Inner_1RB_Left	25.68	/	/	27.38	/	/	<=30	Pass
		Inner_1RB_Right	25.59	/	/	27.29	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.19	/	/	23.89	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	23.8	/	/	<=30	Pass
		Outer_Full	25.17	/	/	26.87	/	/	<=30	Pass
		Inner_Full	25.70	/	/	27.4	/	/	<=30	Pass
		Inner_1RB_Left	25.52	/	/	27.22	/	/	<=30	Pass
DFT-s-OFDM QPSK	3500.01	Edge_1RB_Left	22.24	/	/	23.94	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	23.79	/	/	<=30	Pass
		Outer_Full	24.65	/	/	26.35	/	/	<=30	Pass
		Inner_Full	25.75	/	/	27.45	/	/	<=30	Pass
		Inner_1RB_Left	25.70	/	/	27.4	/	/	<=30	Pass
		Inner_1RB_Right	25.56	/	/	27.26	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.25	/	/	23.95	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	23.83	/	/	<=30	Pass
		Outer_Full	24.65	/	/	26.35	/	/	<=30	Pass
		Inner_Full	25.75	/	/	27.45	/	/	<=30	Pass
		Inner_1RB_Left	25.61	/	/	27.31	/	/	<=30	Pass
		Inner_1RB_Right	25.60	/	/	27.3	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.02	/	/	23.72	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	23.8	/	/	<=30	Pass
		Outer_Full	24.62	/	/	26.32	/	/	<=30	Pass
		Inner_Full	25.77	/	/	27.47	/	/	<=30	Pass
		Inner_1RB_Left	25.48	/	/	27.18	/	/	<=30	Pass
		Inner_1RB_Right	25.61	/	/	27.31	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3500.01	Edge_1RB_Left	22.07	/	/	23.77	/	/	<=30	Pass



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		Edge_1RB_Right	22.12	/	/	23.82	/	/	<=30	Pass
		Outer_Full	23.66	/	/	25.36	/	/	<=30	Pass
		Inner_Full	24.69	/	/	26.39	/	/	<=30	Pass
		Inner_1RB_Left	24.38	/	/	26.08	/	/	<=30	Pass
		Inner_1RB_Right	24.41	/	/	26.11	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.17	/	/	23.87	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	23.79	/	/	<=30	Pass
		Outer_Full	23.65	/	/	25.35	/	/	<=30	Pass
		Inner_Full	24.71	/	/	26.41	/	/	<=30	Pass
		Inner_1RB_Left	24.65	/	/	26.35	/	/	<=30	Pass
	3499.98	Inner_1RB_Right	24.52	/	/	26.22	/	/	<=30	Pass
		Edge_1RB_Left	22.03	/	/	23.73	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	23.77	/	/	<=30	Pass
		Outer_Full	23.68	/	/	25.38	/	/	<=30	Pass
		Inner_Full	24.74	/	/	26.44	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3500.01	Inner_1RB_Left	24.51	/	/	26.21	/	/	<=30	Pass
		Inner_1RB_Right	24.62	/	/	26.32	/	/	<=30	Pass
		Edge_1RB_Left	22.37	/	/	24.07	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	23.8	/	/	<=30	Pass
		Outer_Full	23.19	/	/	24.89	/	/	<=30	Pass
	3500.01	Inner_Full	23.21	/	/	24.91	/	/	<=30	Pass
		Inner_1RB_Left	23.24	/	/	24.94	/	/	<=30	Pass
		Inner_1RB_Right	23.19	/	/	24.89	/	/	<=30	Pass
		Edge_1RB_Left	22.30	/	/	24	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	23.94	/	/	<=30	Pass
	3499.98	Outer_Full	23.16	/	/	24.86	/	/	<=30	Pass
		Inner_Full	23.19	/	/	24.89	/	/	<=30	Pass
		Inner_1RB_Left	23.25	/	/	24.95	/	/	<=30	Pass
		Inner_1RB_Right	23.26	/	/	24.96	/	/	<=30	Pass
		Edge_1RB_Left	22.20	/	/	23.9	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3500.01	Edge_1RB_Right	22.21	/	/	23.91	/	/	<=30	Pass
		Outer_Full	23.17	/	/	24.87	/	/	<=30	Pass
		Inner_Full	23.21	/	/	24.91	/	/	<=30	Pass
		Inner_1RB_Left	23.20	/	/	24.9	/	/	<=30	Pass
		Inner_1RB_Right	23.22	/	/	24.92	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.14	/	/	22.84	/	/	<=30	Pass
		Edge_1RB_Right	21.08	/	/	22.78	/	/	<=30	Pass
		Outer_Full	21.09	/	/	22.79	/	/	<=30	Pass
		Inner_Full	21.30	/	/	23	/	/	<=30	Pass
		Inner_1RB_Left	21.12	/	/	22.82	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	21.02	/	/	22.72	/	/	<=30	Pass
		Edge_1RB_Left	21.20	/	/	22.9	/	/	<=30	Pass
		Edge_1RB_Right	21.02	/	/	22.72	/	/	<=30	Pass
		Outer_Full	21.17	/	/	22.87	/	/	<=30	Pass
		Inner_Full	21.18	/	/	22.88	/	/	<=30	Pass
	3499.98	Inner_1RB_Left	20.96	/	/	22.66	/	/	<=30	Pass
		Inner_1RB_Right	21.00	/	/	22.7	/	/	<=30	Pass
		Edge_1RB_Left	20.92	/	/	22.62	/	/	<=30	Pass



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		Edge_1RB_Right	20.96	/	/	22.66	/	/	<=30	Pass
		Outer_Full	21.12	/	/	22.82	/	/	<=30	Pass
		Inner_Full	21.20	/	/	22.9	/	/	<=30	Pass
		Inner_1RB_Left	20.93	/	/	22.63	/	/	<=30	Pass
		Inner_1RB_Right	20.86	/	/	22.56	/	/	<=30	Pass
CP-OFDM QPSK	3500.01	Edge_1RB_Left	22.25	/	/	23.95	/	/	<=30	Pass
		Edge_1RB_Right	22.19	/	/	23.89	/	/	<=30	Pass
		Outer_Full	22.62	/	/	24.32	/	/	<=30	Pass
		Inner_Full	24.31	/	/	26.01	/	/	<=30	Pass
		Inner_1RB_Left	24.16	/	/	25.86	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	24.08	/	/	25.78	/	/	<=30	Pass
		Edge_1RB_Left	22.19	/	/	23.89	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	23.86	/	/	<=30	Pass
		Outer_Full	22.65	/	/	24.35	/	/	<=30	Pass
		Inner_Full	24.21	/	/	25.91	/	/	<=30	Pass
	3499.98	Inner_1RB_Left	24.27	/	/	25.97	/	/	<=30	Pass
		Inner_1RB_Right	24.08	/	/	25.78	/	/	<=30	Pass
		Edge_1RB_Left	22.15	/	/	23.85	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	23.81	/	/	<=30	Pass
		Outer_Full	22.63	/	/	24.33	/	/	<=30	Pass
CP-OFDM 16 QAM	3500.01	Inner_Full	24.14	/	/	25.84	/	/	<=30	Pass
		Inner_1RB_Left	24.07	/	/	25.77	/	/	<=30	Pass
		Inner_1RB_Right	24.03	/	/	25.73	/	/	<=30	Pass
		Edge_1RB_Left	22.07	/	/	23.77	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	23.78	/	/	<=30	Pass
	3500.01	Outer_Full	22.63	/	/	24.33	/	/	<=30	Pass
		Inner_Full	23.74	/	/	25.44	/	/	<=30	Pass
		Inner_1RB_Left	23.57	/	/	25.27	/	/	<=30	Pass
		Inner_1RB_Right	23.47	/	/	25.17	/	/	<=30	Pass
		Edge_1RB_Left	22.02	/	/	23.72	/	/	<=30	Pass
	3499.98	Edge_1RB_Right	22.13	/	/	23.83	/	/	<=30	Pass
		Outer_Full	22.66	/	/	24.36	/	/	<=30	Pass
		Inner_Full	23.73	/	/	25.43	/	/	<=30	Pass
		Inner_1RB_Left	23.46	/	/	25.16	/	/	<=30	Pass
		Inner_1RB_Right	23.47	/	/	25.17	/	/	<=30	Pass
CP-OFDM 64 QAM	3500.01	Edge_1RB_Left	21.82	/	/	23.52	/	/	<=30	Pass
		Edge_1RB_Right	21.91	/	/	23.61	/	/	<=30	Pass
		Outer_Full	22.55	/	/	24.25	/	/	<=30	Pass
		Inner_Full	23.63	/	/	25.33	/	/	<=30	Pass
		Inner_1RB_Left	23.43	/	/	25.13	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	23.53	/	/	25.23	/	/	<=30	Pass
		Edge_1RB_Left	22.24	/	/	23.94	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	23.88	/	/	<=30	Pass
		Outer_Full	22.18	/	/	23.88	/	/	<=30	Pass
		Inner_Full	22.21	/	/	23.91	/	/	<=30	Pass
	3500.01	Inner_1RB_Left	22.28	/	/	23.98	/	/	<=30	Pass
		Inner_1RB_Right	22.11	/	/	23.81	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.22	/	/	23.92	/	/	<=30	Pass



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		Edge_1RB_Right	22.25	/	/	23.95	/	/	<=30	Pass
		Outer_Full	22.11	/	/	23.81	/	/	<=30	Pass
		Inner_Full	22.21	/	/	23.91	/	/	<=30	Pass
		Inner_1RB_Left	22.17	/	/	23.87	/	/	<=30	Pass
		Inner_1RB_Right	22.14	/	/	23.84	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.25	/	/	23.95	/	/	<=30	Pass
		Edge_1RB_Right	21.99	/	/	23.69	/	/	<=30	Pass
		Outer_Full	22.11	/	/	23.81	/	/	<=30	Pass
		Inner_Full	22.17	/	/	23.87	/	/	<=30	Pass
		Inner_1RB_Left	22.04	/	/	23.74	/	/	<=30	Pass
	Inner_1RB_Right	22.01	/	/	23.71	/	/	<=30	Pass	
CP-OFDM 256 QAM	3500.01	Edge_1RB_Left	19.18	/	/	20.88	/	/	<=30	Pass
		Edge_1RB_Right	19.15	/	/	20.85	/	/	<=30	Pass
		Outer_Full	19.14	/	/	20.84	/	/	<=30	Pass
		Inner_Full	19.28	/	/	20.98	/	/	<=30	Pass
		Inner_1RB_Left	19.19	/	/	20.89	/	/	<=30	Pass
		Inner_1RB_Right	18.98	/	/	20.68	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.01	/	/	20.71	/	/	<=30	Pass
		Edge_1RB_Right	19.12	/	/	20.82	/	/	<=30	Pass
		Outer_Full	19.06	/	/	20.76	/	/	<=30	Pass
		Inner_Full	19.20	/	/	20.9	/	/	<=30	Pass
		Inner_1RB_Left	19.13	/	/	20.83	/	/	<=30	Pass
		Inner_1RB_Right	19.12	/	/	20.82	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	19.24	/	/	20.94	/	/	<=30	Pass
		Edge_1RB_Right	18.96	/	/	20.66	/	/	<=30	Pass
		Outer_Full	19.10	/	/	20.8	/	/	<=30	Pass
		Inner_Full	19.14	/	/	20.84	/	/	<=30	Pass
		Inner_1RB_Left	19.19	/	/	20.89	/	/	<=30	Pass
		Inner_1RB_Right	18.99	/	/	20.69	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.10 30k_MIMO_20MHz_NTNV_EIRP

1.10.1 Test Result

5G NR n78e SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3460.02	Edge 1RB Left	19.70	19.19	22.46	21.4	20.89	24.16	<=30	Pass
		Edge 1RB Right	19.77	19.35	22.58	21.47	21.05	24.28	<=30	Pass
		Outer Full	19.99	19.77	22.89	21.69	21.47	24.59	<=30	Pass
		Inner Full	21.51	21.18	24.36	23.21	22.88	26.06	<=30	Pass
		Inner 1RB Left	21.67	21.09	24.40	23.37	22.79	26.1	<=30	Pass
		Inner 1RB Right	21.73	21.34	24.55	23.43	23.04	26.25	<=30	Pass
	3500.01	Edge 1RB Left	19.64	19.44	22.55	21.34	21.14	24.25	<=30	Pass



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		Edge_1RB_Right	19.64	19.38	22.52	21.34	21.08	24.22	<=30	Pass
		Outer_Full	19.98	19.91	22.95	21.68	21.61	24.65	<=30	Pass
		Inner_Full	21.50	21.29	24.41	23.2	22.99	26.11	<=30	Pass
		Inner_1RB_Left	21.52	21.34	24.44	23.22	23.04	26.14	<=30	Pass
		Inner_1RB_Right	21.62	21.35	24.50	23.32	23.05	26.2	<=30	Pass
	3540	Edge_1RB_Left	19.33	19.14	22.25	21.03	20.84	23.95	<=30	Pass
		Edge_1RB_Right	19.62	19.29	22.47	21.32	20.99	24.17	<=30	Pass
		Outer_Full	19.70	19.77	22.75	21.4	21.47	24.45	<=30	Pass
		Inner_Full	21.12	21.23	24.18	22.82	22.93	25.88	<=30	Pass
		Inner_1RB_Left	21.30	20.98	24.15	23	22.68	25.85	<=30	Pass
CP-OFDM 16 QAM	3460.02	Inner_1RB_Right	21.66	21.18	24.44	23.36	22.88	26.14	<=30	Pass
		Edge_1RB_Left	19.73	19.38	22.57	21.43	21.08	24.27	<=30	Pass
		Edge_1RB_Right	19.81	19.62	22.73	21.51	21.32	24.43	<=30	Pass
		Outer_Full	20.04	19.74	22.90	21.74	21.44	24.6	<=30	Pass
		Inner_Full	21.08	20.76	23.93	22.78	22.46	25.63	<=30	Pass
	3500.01	Inner_1RB_Left	21.19	20.91	24.06	22.89	22.61	25.76	<=30	Pass
		Inner_1RB_Right	21.11	21.05	24.09	22.81	22.75	25.79	<=30	Pass
		Edge_1RB_Left	19.63	19.60	22.63	21.33	21.3	24.33	<=30	Pass
		Edge_1RB_Right	19.69	19.54	22.63	21.39	21.24	24.33	<=30	Pass
		Outer_Full	20.06	19.86	22.97	21.76	21.56	24.67	<=30	Pass
	3540	Inner_Full	21.09	20.82	23.97	22.79	22.52	25.67	<=30	Pass
		Inner_1RB_Left	21.15	21.01	24.09	22.85	22.71	25.79	<=30	Pass
		Inner_1RB_Right	21.19	21.19	24.20	22.89	22.89	25.9	<=30	Pass
		Edge_1RB_Left	19.29	19.45	22.38	20.99	21.15	24.08	<=30	Pass
		Edge_1RB_Right	19.65	19.53	22.60	21.35	21.23	24.3	<=30	Pass
CP-OFDM 64 QAM	3460.02	Outer_Full	19.72	19.76	22.75	21.42	21.46	24.45	<=30	Pass
		Inner_Full	20.72	20.75	23.75	22.42	22.45	25.45	<=30	Pass
		Inner_1RB_Left	20.89	20.77	23.84	22.59	22.47	25.54	<=30	Pass
		Inner_1RB_Right	21.14	21.02	24.09	22.84	22.72	25.79	<=30	Pass
		Edge_1RB_Left	19.47	18.92	22.22	21.17	20.62	23.92	<=30	Pass
	3500.01	Edge_1RB_Right	19.50	19.15	22.34	21.2	20.85	24.04	<=30	Pass
		Outer_Full	19.52	19.30	22.42	21.22	21	24.12	<=30	Pass
		Inner_Full	19.48	19.11	22.31	21.18	20.81	24.01	<=30	Pass
		Inner_1RB_Left	19.44	18.95	22.21	21.14	20.65	23.91	<=30	Pass
		Inner_1RB_Right	19.50	19.16	22.35	21.2	20.86	24.05	<=30	Pass
	3540	Edge_1RB_Left	19.41	19.14	22.29	21.11	20.84	23.99	<=30	Pass
		Edge_1RB_Right	19.52	19.18	22.36	21.22	20.88	24.06	<=30	Pass
		Outer_Full	19.53	19.32	22.44	21.23	21.02	24.14	<=30	Pass
		Inner_Full	19.46	19.30	22.39	21.16	21	24.09	<=30	Pass
		Inner_1RB_Left	19.46	19.09	22.29	21.16	20.79	23.99	<=30	Pass
CP-OFDM 256	3460.02	Inner_1RB_Right	19.48	19.15	22.33	21.18	20.85	24.03	<=30	Pass
		Edge_1RB_Left	19.14	19.01	22.08	20.84	20.71	23.78	<=30	Pass
		Edge_1RB_Right	19.43	19.12	22.29	21.13	20.82	23.99	<=30	Pass
		Outer_Full	19.25	19.22	22.25	20.95	20.92	23.95	<=30	Pass
		Inner_Full	19.10	19.13	22.12	20.8	20.83	23.82	<=30	Pass
		Inner_1RB_Left	19.18	18.98	22.09	20.88	20.68	23.79	<=30	Pass
		Inner_1RB_Right	19.38	19.13	22.27	21.08	20.83	23.97	<=30	Pass
		Edge_1RB_Left	16.77	16.13	19.47	18.47	17.83	21.17	<=30	Pass



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QAM		Edge 1RB Right	16.77	16.32	19.56	18.47	18.02	21.26	<=30	Pass
		Outer Full	16.60	16.31	19.47	18.3	18.01	21.17	<=30	Pass
		Inner Full	16.47	16.33	19.41	18.17	18.03	21.11	<=30	Pass
		Inner 1RB Left	16.69	16.14	19.44	18.39	17.84	21.14	<=30	Pass
		Inner 1RB Right	16.69	16.33	19.52	18.39	18.03	21.22	<=30	Pass
	3500.01	Edge 1RB Left	16.71	16.33	19.53	18.41	18.03	21.23	<=30	Pass
		Edge 1RB Right	16.82	16.35	19.60	18.52	18.05	21.3	<=30	Pass
		Outer Full	16.62	16.41	19.53	18.32	18.11	21.23	<=30	Pass
		Inner Full	16.47	16.40	19.45	18.17	18.1	21.15	<=30	Pass
		Inner 1RB Left	16.69	16.30	19.51	18.39	18	21.21	<=30	Pass
	3540	Inner 1RB Right	16.75	16.35	19.57	18.45	18.05	21.27	<=30	Pass
		Edge 1RB Left	16.29	16.09	19.20	17.99	17.79	20.9	<=30	Pass
		Edge 1RB Right	16.56	16.22	19.40	18.26	17.92	21.1	<=30	Pass
		Outer Full	16.38	16.24	19.32	18.08	17.94	21.02	<=30	Pass
		Inner Full	16.13	16.33	19.24	17.83	18.03	20.94	<=30	Pass
		Inner 1RB Left	16.31	16.15	19.25	18.01	17.85	20.95	<=30	Pass
		Inner 1RB Right	13.63	-32.54	13.63	15.33	-30.84	15.33	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;

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

1.11 30k_MIMO_30MHz_NTNV_EIRP

1.11.1 Test Result

5G NR n78e SCS=30kHz MIMO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3465	Edge 1RB Left	19.75	19.11	22.45	21.45	20.81	24.15	<=30	Pass
		Edge 1RB Right	19.63	19.33	22.49	21.33	21.03	24.19	<=30	Pass
		Outer Full	20.04	19.77	22.91	21.74	21.47	24.61	<=30	Pass
		Inner Full	21.53	21.27	24.41	23.23	22.97	26.11	<=30	Pass
		Inner 1RB Left	21.69	21.12	24.42	23.39	22.82	26.12	<=30	Pass
		Inner 1RB Right	21.62	21.25	24.45	23.32	22.95	26.15	<=30	Pass
	3500.01	Edge 1RB Left	19.79	19.44	22.63	21.49	21.14	24.33	<=30	Pass
		Edge 1RB Right	19.74	19.36	22.57	21.44	21.06	24.27	<=30	Pass
		Outer Full	20.09	19.96	23.04	21.79	21.66	24.74	<=30	Pass
		Inner Full	21.69	21.57	24.64	23.39	23.27	26.34	<=30	Pass
		Inner 1RB Left	21.78	21.61	24.70	23.48	23.31	26.4	<=30	Pass
		Inner 1RB Right	21.72	21.56	24.65	23.42	23.26	26.35	<=30	Pass
	3534.99	Edge 1RB Left	19.64	19.43	22.55	21.34	21.13	24.25	<=30	Pass
		Edge 1RB Right	19.77	19.57	22.68	21.47	21.27	24.38	<=30	Pass
		Outer Full	19.89	19.85	22.88	21.59	21.55	24.58	<=30	Pass
		Inner Full	21.34	21.38	24.37	23.04	23.08	26.07	<=30	Pass
		Inner 1RB Left	21.68	21.42	24.56	23.38	23.12	26.26	<=30	Pass
		Inner 1RB Right	21.69	21.60	24.66	23.39	23.3	26.36	<=30	Pass



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CP-OFDM 16 QAM	3465	Edge_1RB_Left	19.63	19.35	22.50	21.33	21.05	24.2	<=30	Pass
		Edge_1RB_Right	19.69	19.61	22.66	21.39	21.31	24.36	<=30	Pass
		Outer_Full	19.91	19.74	22.84	21.61	21.44	24.54	<=30	Pass
		Inner_Full	20.92	20.82	23.88	22.62	22.52	25.58	<=30	Pass
		Inner_1RB_Left	21.26	20.79	24.04	22.96	22.49	25.74	<=30	Pass
		Inner_1RB_Right	21.22	21.06	24.15	22.92	22.76	25.85	<=30	Pass
	3500.01	Edge_1RB_Left	19.61	19.93	22.78	21.31	21.63	24.48	<=30	Pass
		Edge_1RB_Right	19.74	19.63	22.69	21.44	21.33	24.39	<=30	Pass
		Outer_Full	20.12	20.02	23.08	21.82	21.72	24.78	<=30	Pass
		Inner_Full	21.10	21.00	24.06	22.8	22.7	25.76	<=30	Pass
		Inner_1RB_Left	21.23	21.34	24.30	22.93	23.04	26	<=30	Pass
		Inner_1RB_Right	21.29	21.17	24.24	22.99	22.87	25.94	<=30	Pass
	3534.99	Edge_1RB_Left	19.68	19.55	22.63	21.38	21.25	24.33	<=30	Pass
		Edge_1RB_Right	19.62	19.54	22.59	21.32	21.24	24.29	<=30	Pass
		Outer_Full	19.90	19.88	22.90	21.6	21.58	24.6	<=30	Pass
		Inner_Full	20.78	20.89	23.84	22.48	22.59	25.54	<=30	Pass
		Inner_1RB_Left	21.14	21.09	24.13	22.84	22.79	25.83	<=30	Pass
		Inner_1RB_Right	21.14	21.23	24.19	22.84	22.93	25.89	<=30	Pass
CP-OFDM 64 QAM	3465	Edge_1RB_Left	19.46	19.01	22.25	21.16	20.71	23.95	<=30	Pass
		Edge_1RB_Right	19.34	19.16	22.26	21.04	20.86	23.96	<=30	Pass
		Outer_Full	19.50	19.24	22.38	21.2	20.94	24.08	<=30	Pass
		Inner_Full	19.37	19.21	22.30	21.07	20.91	24	<=30	Pass
		Inner_1RB_Left	19.49	18.93	22.23	21.19	20.63	23.93	<=30	Pass
		Inner_1RB_Right	19.32	19.13	22.24	21.02	20.83	23.94	<=30	Pass
	3500.01	Edge_1RB_Left	19.51	19.31	22.42	21.21	21.01	24.12	<=30	Pass
		Edge_1RB_Right	19.45	19.20	22.34	21.15	20.9	24.04	<=30	Pass
		Outer_Full	19.66	19.54	22.61	21.36	21.24	24.31	<=30	Pass
		Inner_Full	19.57	19.45	22.52	21.27	21.15	24.22	<=30	Pass
		Inner_1RB_Left	19.51	19.32	22.42	21.21	21.02	24.12	<=30	Pass
		Inner_1RB_Right	19.56	19.18	22.38	21.26	20.88	24.08	<=30	Pass
	3534.99	Edge_1RB_Left	19.47	19.14	22.32	21.17	20.84	24.02	<=30	Pass
		Edge_1RB_Right	19.42	19.26	22.35	21.12	20.96	24.05	<=30	Pass
		Outer_Full	19.34	19.37	22.36	21.04	21.07	24.06	<=30	Pass
		Inner_Full	19.13	19.31	22.23	20.83	21.01	23.93	<=30	Pass
		Inner_1RB_Left	19.34	19.11	22.24	21.04	20.81	23.94	<=30	Pass
		Inner_1RB_Right	19.41	19.26	22.34	21.11	20.96	24.04	<=30	Pass
CP-OFDM 256 QAM	3465	Edge_1RB_Left	16.78	16.14	19.48	18.48	17.84	21.18	<=30	Pass
		Edge_1RB_Right	16.62	16.34	19.50	18.32	18.04	21.2	<=30	Pass
		Outer_Full	16.64	16.24	19.45	18.34	17.94	21.15	<=30	Pass
		Inner_Full	16.50	16.27	19.40	18.2	17.97	21.1	<=30	Pass
		Inner_1RB_Left	16.82	16.16	19.51	18.52	17.86	21.21	<=30	Pass
		Inner_1RB_Right	16.62	16.34	19.49	18.32	18.04	21.19	<=30	Pass
	3500.01	Edge_1RB_Left	16.78	16.50	19.65	18.48	18.2	21.35	<=30	Pass
		Edge_1RB_Right	16.71	16.32	19.53	18.41	18.02	21.23	<=30	Pass
		Outer_Full	16.71	16.45	19.59	18.41	18.15	21.29	<=30	Pass
		Inner_Full	16.57	16.36	19.47	18.27	18.06	21.17	<=30	Pass
		Inner_1RB_Left	16.74	16.41	19.59	18.44	18.11	21.29	<=30	Pass
		Inner_1RB_Right	16.62	16.35	19.50	18.32	18.05	21.2	<=30	Pass



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3534.99	Edge 1RB Left	16.68	16.35	19.53	18.38	18.05	21.23	<=30	Pass
	Edge 1RB Right	16.68	16.45	19.58	18.38	18.15	21.28	<=30	Pass
	Outer Full	16.38	16.42	19.41	18.08	18.12	21.11	<=30	Pass
	Inner Full	16.28	16.38	19.34	17.98	18.08	21.04	<=30	Pass
	Inner 1RB Left	16.59	16.32	19.47	18.29	18.02	21.17	<=30	Pass
	Inner 1RB Right	16.58	16.46	19.53	18.28	18.16	21.23	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;

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

1.12 30k_MIMO_40MHz_NTNV_EIRP

1.12.1 Test Result

5G NR n78e SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3470.01	Edge 1RB Left	19.71	19.24	22.49	21.41	20.94	24.19	<=30	Pass
		Edge 1RB Right	19.61	19.59	22.61	21.31	21.29	24.31	<=30	Pass
		Outer Full	20.10	19.82	22.98	21.8	21.52	24.68	<=30	Pass
		Inner Full	21.58	21.45	24.53	23.28	23.15	26.23	<=30	Pass
		Inner 1RB Left	21.79	21.24	24.53	23.49	22.94	26.23	<=30	Pass
		Inner 1RB Right	21.75	21.51	24.64	23.45	23.21	26.34	<=30	Pass
	3500.01	Edge 1RB Left	19.73	19.61	22.68	21.43	21.31	24.38	<=30	Pass
		Edge 1RB Right	19.64	19.28	22.47	21.34	20.98	24.17	<=30	Pass
		Outer Full	20.11	19.97	23.05	21.81	21.67	24.75	<=30	Pass
		Inner Full	21.66	21.52	24.60	23.36	23.22	26.3	<=30	Pass
		Inner 1RB Left	21.77	21.44	24.62	23.47	23.14	26.32	<=30	Pass
		Inner 1RB Right	21.70	21.27	24.50	23.4	22.97	26.2	<=30	Pass
	3529.98	Edge 1RB Left	19.66	19.40	22.54	21.36	21.1	24.24	<=30	Pass
		Edge 1RB Right	19.47	19.42	22.46	21.17	21.12	24.16	<=30	Pass
		Outer Full	19.77	19.70	22.75	21.47	21.4	24.45	<=30	Pass
		Inner Full	21.14	21.27	24.22	22.84	22.97	25.92	<=30	Pass
		Inner 1RB Left	21.63	21.35	24.50	23.33	23.05	26.2	<=30	Pass
		Inner 1RB Right	21.55	21.43	24.50	23.25	23.13	26.2	<=30	Pass
CP-OFDM 16 QAM	3470.01	Edge 1RB Left	19.74	19.51	22.63	21.44	21.21	24.33	<=30	Pass
		Edge 1RB Right	19.63	19.82	22.73	21.33	21.52	24.43	<=30	Pass
		Outer Full	20.13	19.82	22.99	21.83	21.52	24.69	<=30	Pass
		Inner Full	21.09	20.91	24.01	22.79	22.61	25.71	<=30	Pass
		Inner 1RB Left	21.25	20.92	24.10	22.95	22.62	25.8	<=30	Pass
		Inner 1RB Right	21.29	21.24	24.28	22.99	22.94	25.98	<=30	Pass
	3500.01	Edge 1RB Left	19.75	19.87	22.82	21.45	21.57	24.52	<=30	Pass
		Edge 1RB Right	19.59	19.49	22.55	21.29	21.19	24.25	<=30	Pass
		Outer Full	20.04	19.99	23.03	21.74	21.69	24.73	<=30	Pass
		Inner Full	21.11	21.00	24.06	22.81	22.7	25.76	<=30	Pass
		Inner 1RB Left	21.13	21.28	24.21	22.83	22.98	25.91	<=30	Pass



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	3529.98	Inner_1RB_Right	21.09	20.97	24.04	22.79	22.67	25.74	<=30	Pass
		Edge_1RB_Left	19.68	19.71	22.71	21.38	21.41	24.41	<=30	Pass
		Edge_1RB_Right	19.54	19.71	22.64	21.24	21.41	24.34	<=30	Pass
		Outer_Full	19.77	19.67	22.73	21.47	21.37	24.43	<=30	Pass
		Inner_Full	20.73	20.76	23.75	22.43	22.46	25.45	<=30	Pass
		Inner_1RB_Left	21.33	21.16	24.26	23.03	22.86	25.96	<=30	Pass
CP-OFDM 64 QAM	3470.01	Inner_1RB_Right	21.12	21.18	24.16	22.82	22.88	25.86	<=30	Pass
		Edge_1RB_Left	19.59	19.01	22.32	21.29	20.71	24.02	<=30	Pass
		Edge_1RB_Right	19.56	19.39	22.49	21.26	21.09	24.19	<=30	Pass
		Outer_Full	19.62	19.38	22.51	21.32	21.08	24.21	<=30	Pass
		Inner_Full	19.59	19.35	22.48	21.29	21.05	24.18	<=30	Pass
		Inner_1RB_Left	19.60	19.01	22.33	21.3	20.71	24.03	<=30	Pass
	3500.01	Inner_1RB_Right	19.57	19.35	22.47	21.27	21.05	24.17	<=30	Pass
		Edge_1RB_Left	19.48	19.39	22.44	21.18	21.09	24.14	<=30	Pass
		Edge_1RB_Right	19.32	19.16	22.25	21.02	20.86	23.95	<=30	Pass
		Outer_Full	19.59	19.48	22.54	21.29	21.18	24.24	<=30	Pass
		Inner_Full	19.61	19.45	22.54	21.31	21.15	24.24	<=30	Pass
		Inner_1RB_Left	19.54	19.27	22.42	21.24	20.97	24.12	<=30	Pass
	3529.98	Inner_1RB_Right	19.34	19.15	22.26	21.04	20.85	23.96	<=30	Pass
		Edge_1RB_Left	19.49	19.20	22.36	21.19	20.9	24.06	<=30	Pass
		Edge_1RB_Right	19.38	19.31	22.35	21.08	21.01	24.05	<=30	Pass
		Outer_Full	19.31	19.27	22.30	21.01	20.97	24	<=30	Pass
		Inner_Full	19.17	19.14	22.17	20.87	20.84	23.87	<=30	Pass
		Inner_1RB_Left	19.52	19.19	22.37	21.22	20.89	24.07	<=30	Pass
CP-OFDM 256 QAM	3470.01	Inner_1RB_Right	19.37	19.20	22.30	21.07	20.9	24	<=30	Pass
		Edge_1RB_Left	16.85	16.20	19.55	18.55	17.9	21.25	<=30	Pass
		Edge_1RB_Right	16.79	16.38	19.60	18.49	18.08	21.3	<=30	Pass
		Outer_Full	16.70	16.45	19.59	18.4	18.15	21.29	<=30	Pass
		Inner_Full	16.67	16.42	19.56	18.37	18.12	21.26	<=30	Pass
		Inner_1RB_Left	16.88	16.18	19.56	18.58	17.88	21.26	<=30	Pass
	3500.01	Inner_1RB_Right	16.81	16.39	19.62	18.51	18.09	21.32	<=30	Pass
		Edge_1RB_Left	16.79	16.45	19.63	18.49	18.15	21.33	<=30	Pass
		Edge_1RB_Right	16.57	16.34	19.46	18.27	18.04	21.16	<=30	Pass
		Outer_Full	16.64	16.50	19.58	18.34	18.2	21.28	<=30	Pass
		Inner_Full	16.69	16.48	19.59	18.39	18.18	21.29	<=30	Pass
		Inner_1RB_Left	16.80	16.40	19.61	18.5	18.1	21.31	<=30	Pass
	3529.98	Inner_1RB_Right	16.54	16.41	19.48	18.24	18.11	21.18	<=30	Pass
		Edge_1RB_Left	16.74	16.38	19.58	18.44	18.08	21.28	<=30	Pass
		Edge_1RB_Right	16.63	16.37	19.51	18.33	18.07	21.21	<=30	Pass
		Outer_Full	16.34	16.38	19.37	18.04	18.08	21.07	<=30	Pass
		Inner_Full	16.28	16.12	19.21	17.98	17.82	20.91	<=30	Pass
		Inner_1RB_Left	16.75	16.31	19.54	18.45	18.01	21.24	<=30	Pass
		Inner_1RB_Right	16.60	16.35	19.49	18.3	18.05	21.19	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;

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



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1.13 30k_MIMO_50MHz_NTNV_EIRP

1.13.1 Test Result

5G NR n78e SCS=30kHz MIMO 50MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3475.02	Edge_1RB_Left	19.43	18.84	22.15	21.13	20.54	23.85	<=30	Pass
		Edge_1RB_Right	19.36	19.04	22.22	21.06	20.74	23.92	<=30	Pass
		Outer_Full	19.74	19.57	22.66	21.44	21.27	24.36	<=30	Pass
		Inner_Full	21.29	21.08	24.20	22.99	22.78	25.9	<=30	Pass
		Inner_1RB_Left	21.37	20.78	24.10	23.07	22.48	25.8	<=30	Pass
		Inner_1RB_Right	21.43	21.05	24.26	23.13	22.75	25.96	<=30	Pass
	3500.01	Edge_1RB_Left	19.38	19.03	22.22	21.08	20.73	23.92	<=30	Pass
		Edge_1RB_Right	19.04	18.89	21.98	20.74	20.59	23.68	<=30	Pass
		Outer_Full	19.80	19.62	22.72	21.5	21.32	24.42	<=30	Pass
		Inner_Full	21.33	21.12	24.24	23.03	22.82	25.94	<=30	Pass
		Inner_1RB_Left	21.37	21.18	24.29	23.07	22.88	25.99	<=30	Pass
		Inner_1RB_Right	21.15	20.83	24.00	22.85	22.53	25.7	<=30	Pass
	3525	Edge_1RB_Left	19.44	19.13	22.30	21.14	20.83	24	<=30	Pass
		Edge_1RB_Right	19.25	19.06	22.17	20.95	20.76	23.87	<=30	Pass
		Outer_Full	19.67	19.36	22.53	21.37	21.06	24.23	<=30	Pass
		Inner_Full	21.20	20.91	24.06	22.9	22.61	25.76	<=30	Pass
		Inner_1RB_Left	21.47	21.01	24.26	23.17	22.71	25.96	<=30	Pass
		Inner_1RB_Right	21.17	20.83	24.01	22.87	22.53	25.71	<=30	Pass
CP-OFDM 16 QAM	3475.02	Edge_1RB_Left	19.34	19.07	22.22	21.04	20.77	23.92	<=30	Pass
		Edge_1RB_Right	19.39	19.35	22.38	21.09	21.05	24.08	<=30	Pass
		Outer_Full	19.78	19.55	22.68	21.48	21.25	24.38	<=30	Pass
		Inner_Full	20.81	20.61	23.72	22.51	22.31	25.42	<=30	Pass
		Inner_1RB_Left	20.79	20.59	23.70	22.49	22.29	25.4	<=30	Pass
		Inner_1RB_Right	20.81	20.85	23.84	22.51	22.55	25.54	<=30	Pass
	3500.01	Edge_1RB_Left	19.28	19.28	22.29	20.98	20.98	23.99	<=30	Pass
		Edge_1RB_Right	19.13	19.21	22.18	20.83	20.91	23.88	<=30	Pass
		Outer_Full	19.77	19.57	22.68	21.47	21.27	24.38	<=30	Pass
		Inner_Full	20.83	20.66	23.76	22.53	22.36	25.46	<=30	Pass
		Inner_1RB_Left	20.76	20.72	23.75	22.46	22.42	25.45	<=30	Pass
		Inner_1RB_Right	20.70	20.77	23.74	22.4	22.47	25.44	<=30	Pass
	3525	Edge_1RB_Left	19.29	19.40	22.36	20.99	21.1	24.06	<=30	Pass
		Edge_1RB_Right	19.23	19.39	22.32	20.93	21.09	24.02	<=30	Pass
		Outer_Full	19.66	19.41	22.55	21.36	21.11	24.25	<=30	Pass
		Inner_Full	20.68	20.39	23.55	22.38	22.09	25.25	<=30	Pass
		Inner_1RB_Left	20.88	20.82	23.86	22.58	22.52	25.56	<=30	Pass
		Inner_1RB_Right	20.82	20.91	23.88	22.52	22.61	25.58	<=30	Pass
CP-OFDM 64 QAM	3475.02	Edge_1RB_Left	19.06	18.57	21.83	20.76	20.27	23.53	<=30	Pass
		Edge_1RB_Right	19.15	18.86	22.02	20.85	20.56	23.72	<=30	Pass
		Outer_Full	19.26	19.04	22.16	20.96	20.74	23.86	<=30	Pass
		Inner_Full	19.23	19.16	22.21	20.93	20.86	23.91	<=30	Pass



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		Inner_1RB_Left	19.25	18.59	21.94	20.95	20.29	23.64	<=30	Pass
		Inner_1RB_Right	19.11	18.85	21.99	20.81	20.55	23.69	<=30	Pass
	3500.01	Edge_1RB_Left	19.15	18.94	22.06	20.85	20.64	23.76	<=30	Pass
		Edge_1RB_Right	18.95	18.60	21.79	20.65	20.3	23.49	<=30	Pass
		Outer_Full	19.25	19.17	22.22	20.95	20.87	23.92	<=30	Pass
		Inner_Full	19.27	19.23	22.26	20.97	20.93	23.96	<=30	Pass
		Inner_1RB_Left	19.09	18.93	22.02	20.79	20.63	23.72	<=30	Pass
		Inner_1RB_Right	18.90	18.64	21.78	20.6	20.34	23.48	<=30	Pass
	3525	Edge_1RB_Left	19.24	18.82	22.05	20.94	20.52	23.75	<=30	Pass
		Edge_1RB_Right	18.96	18.71	21.84	20.66	20.41	23.54	<=30	Pass
		Outer_Full	19.06	18.91	22.00	20.76	20.61	23.7	<=30	Pass
		Inner_Full	19.06	18.88	21.98	20.76	20.58	23.68	<=30	Pass
		Inner_1RB_Left	19.25	18.88	22.08	20.95	20.58	23.78	<=30	Pass
		Inner_1RB_Right	18.89	18.68	21.80	20.59	20.38	23.5	<=30	Pass
CP-OFDM 256 QAM	3475.02	Edge_1RB_Left	16.56	15.82	19.22	18.26	17.52	20.92	<=30	Pass
		Edge_1RB_Right	16.40	16.00	19.22	18.1	17.7	20.92	<=30	Pass
		Outer_Full	16.39	16.10	19.26	18.09	17.8	20.96	<=30	Pass
		Inner_Full	16.29	16.14	19.23	17.99	17.84	20.93	<=30	Pass
		Inner_1RB_Left	16.44	15.74	19.11	18.14	17.44	20.81	<=30	Pass
		Inner_1RB_Right	16.31	16.04	19.19	18.01	17.74	20.89	<=30	Pass
	3500.01	Edge_1RB_Left	16.41	16.11	19.27	18.11	17.81	20.97	<=30	Pass
		Edge_1RB_Right	16.25	15.75	19.02	17.95	17.45	20.72	<=30	Pass
		Outer_Full	16.30	16.19	19.25	18	17.89	20.95	<=30	Pass
		Inner_Full	16.32	16.28	19.31	18.02	17.98	21.01	<=30	Pass
		Inner_1RB_Left	16.38	16.07	19.23	18.08	17.77	20.93	<=30	Pass
		Inner_1RB_Right	16.13	15.90	19.03	17.83	17.6	20.73	<=30	Pass
	3525	Edge_1RB_Left	16.59	15.97	19.30	18.29	17.67	21	<=30	Pass
		Edge_1RB_Right	16.26	15.85	19.07	17.96	17.55	20.77	<=30	Pass
		Outer_Full	16.12	15.96	19.05	17.82	17.66	20.75	<=30	Pass
		Inner_Full	16.09	15.92	19.02	17.79	17.62	20.72	<=30	Pass
		Inner_1RB_Left	16.54	16.01	19.29	18.24	17.71	20.99	<=30	Pass
		Inner_1RB_Right	16.22	15.86	19.05	17.92	17.56	20.75	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;

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

1.14 30k_MIMO_60MHz_NTNV_EIRP

1.14.1 Test Result

5G NR n78e SCS=30kHz MIMO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3480	Edge_1RB_Left	19.35	18.88	22.13	21.05	20.58	23.83	<=30	Pass
		Edge_1RB_Right	19.42	19.12	22.28	21.12	20.82	23.98	<=30	Pass
		Outer_Full	19.90	19.63	22.78	21.6	21.33	24.48	<=30	Pass



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CP-OFDM 16 QAM	3500.01	Inner_Full	21.40	21.20	24.31	23.1	22.9	26.01	<=30	Pass
		Inner_1RB_Left	21.35	20.76	24.07	23.05	22.46	25.77	<=30	Pass
		Inner_1RB_Right	21.49	20.98	24.25	23.19	22.68	25.95	<=30	Pass
		Edge_1RB_Left	19.37	19.13	22.26	21.07	20.83	23.96	<=30	Pass
		Edge_1RB_Right	19.12	18.84	21.99	20.82	20.54	23.69	<=30	Pass
		Outer_Full	19.87	19.56	22.73	21.57	21.26	24.43	<=30	Pass
		Inner_Full	21.40	21.13	24.28	23.1	22.83	25.98	<=30	Pass
		Inner_1RB_Left	21.38	21.09	24.25	23.08	22.79	25.95	<=30	Pass
		Inner_1RB_Right	21.15	20.97	24.07	22.85	22.67	25.77	<=30	Pass
	3519.99	Edge_1RB_Left	19.51	19.06	22.30	21.21	20.76	24	<=30	Pass
		Edge_1RB_Right	19.35	19.05	22.22	21.05	20.75	23.92	<=30	Pass
		Outer_Full	19.82	19.53	22.69	21.52	21.23	24.39	<=30	Pass
		Inner_Full	21.22	20.95	24.10	22.92	22.65	25.8	<=30	Pass
		Inner_1RB_Left	21.30	20.99	24.16	23	22.69	25.86	<=30	Pass
		Inner_1RB_Right	21.33	21.12	24.24	23.03	22.82	25.94	<=30	Pass
		Edge_1RB_Left	19.34	19.12	22.24	21.04	20.82	23.94	<=30	Pass
		Edge_1RB_Right	19.54	19.29	22.43	21.24	20.99	24.13	<=30	Pass
		Outer_Full	19.91	19.58	22.76	21.61	21.28	24.46	<=30	Pass
	3480	Inner_Full	20.97	20.68	23.84	22.67	22.38	25.54	<=30	Pass
		Inner_1RB_Left	20.90	20.56	23.74	22.6	22.26	25.44	<=30	Pass
		Inner_1RB_Right	20.94	20.77	23.87	22.64	22.47	25.57	<=30	Pass
	3500.01	Edge_1RB_Left	19.38	19.38	22.39	21.08	21.08	24.09	<=30	Pass
		Edge_1RB_Right	19.08	19.15	22.13	20.78	20.85	23.83	<=30	Pass
		Outer_Full	19.81	19.58	22.71	21.51	21.28	24.41	<=30	Pass
		Inner_Full	20.88	20.66	23.79	22.58	22.36	25.49	<=30	Pass
		Inner_1RB_Left	20.90	20.79	23.85	22.6	22.49	25.55	<=30	Pass
		Inner_1RB_Right	20.53	20.70	23.62	22.23	22.4	25.32	<=30	Pass
	3519.99	Edge_1RB_Left	19.46	19.35	22.42	21.16	21.05	24.12	<=30	Pass
		Edge_1RB_Right	19.38	19.26	22.33	21.08	20.96	24.03	<=30	Pass
		Outer_Full	19.75	19.49	22.64	21.45	21.19	24.34	<=30	Pass
		Inner_Full	20.87	20.50	23.70	22.57	22.2	25.4	<=30	Pass
		Inner_1RB_Left	21.01	20.85	23.94	22.71	22.55	25.64	<=30	Pass
		Inner_1RB_Right	20.68	20.73	23.71	22.38	22.43	25.41	<=30	Pass
CP-OFDM 64 QAM	3480	Edge_1RB_Left	19.05	19.07	22.07	20.75	20.77	23.77	<=30	Pass
		Edge_1RB_Right	19.32	19.01	22.18	21.02	20.71	23.88	<=30	Pass
		Outer_Full	19.40	19.17	22.30	21.1	20.87	24	<=30	Pass
		Inner_Full	19.38	19.18	22.30	21.08	20.88	24	<=30	Pass
		Inner_1RB_Left	19.24	19.03	22.15	20.94	20.73	23.85	<=30	Pass
		Inner_1RB_Right	19.40	19.03	22.23	21.1	20.73	23.93	<=30	Pass
	3500.01	Edge_1RB_Left	19.15	18.91	22.04	20.85	20.61	23.74	<=30	Pass
		Edge_1RB_Right	18.73	18.65	21.70	20.43	20.35	23.4	<=30	Pass
		Outer_Full	19.30	19.12	22.22	21	20.82	23.92	<=30	Pass
		Inner_Full	19.44	19.16	22.31	21.14	20.86	24.01	<=30	Pass
		Inner_1RB_Left	19.16	18.87	22.03	20.86	20.57	23.73	<=30	Pass
		Inner_1RB_Right	18.79	18.60	21.71	20.49	20.3	23.41	<=30	Pass
	3519.99	Edge_1RB_Left	19.27	18.88	22.09	20.97	20.58	23.79	<=30	Pass
		Edge_1RB_Right	19.02	18.72	21.88	20.72	20.42	23.58	<=30	Pass
		Outer_Full	19.19	18.96	22.09	20.89	20.66	23.79	<=30	Pass



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CP-OFDM 256 QAM		Inner Full	19.19	18.97	22.09	20.89	20.67	23.79	<=30	Pass
		Inner 1RB Left	19.28	18.82	22.07	20.98	20.52	23.77	<=30	Pass
		Inner 1RB Right	18.96	18.67	21.83	20.66	20.37	23.53	<=30	Pass
	3480	Edge 1RB Left	16.56	16.00	19.30	18.26	17.7	21	<=30	Pass
		Edge 1RB Right	16.43	16.14	19.30	18.13	17.84	21	<=30	Pass
		Outer Full	16.42	16.17	19.31	18.12	17.87	21.01	<=30	Pass
		Inner Full	16.39	16.23	19.32	18.09	17.93	21.02	<=30	Pass
		Inner 1RB Left	16.62	15.97	19.32	18.32	17.67	21.02	<=30	Pass
		Inner 1RB Right	16.31	16.10	19.21	18.01	17.8	20.91	<=30	Pass
	3500.01	Edge 1RB Left	16.45	16.16	19.32	18.15	17.86	21.02	<=30	Pass
		Edge 1RB Right	15.97	15.81	18.90	17.67	17.51	20.6	<=30	Pass
		Outer Full	16.35	16.16	19.27	18.05	17.86	20.97	<=30	Pass
		Inner Full	16.33	16.17	19.26	18.03	17.87	20.96	<=30	Pass
		Inner 1RB Left	16.44	16.08	19.28	18.14	17.78	20.98	<=30	Pass
		Inner 1RB Right	16.00	15.74	18.88	17.7	17.44	20.58	<=30	Pass
	3519.99	Edge 1RB Left	16.50	16.07	19.30	18.2	17.77	21	<=30	Pass
		Edge 1RB Right	16.26	15.91	19.10	17.96	17.61	20.8	<=30	Pass
		Outer Full	16.19	16.05	19.13	17.89	17.75	20.83	<=30	Pass
		Inner Full	16.22	15.97	19.11	17.92	17.67	20.81	<=30	Pass
		Inner 1RB Left	16.53	16.06	19.31	18.23	17.76	21.01	<=30	Pass
		Inner 1RB Right	16.25	15.96	19.12	17.95	17.66	20.82	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;

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

1.15 30k_MIMO_70MHz_NTNV_EIRP

1.15.1 Test Result

5G NR n78e SCS=30kHz MIMO 70MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3485.01	Edge 1RB Left	19.36	18.72	22.06	21.06	20.42	23.76	<=30	Pass
		Edge 1RB Right	19.18	18.77	21.99	20.88	20.47	23.69	<=30	Pass
		Outer Full	19.66	19.42	22.55	21.36	21.12	24.25	<=30	Pass
		Inner Full	21.19	21.09	24.15	22.89	22.79	25.85	<=30	Pass
		Inner 1RB Left	21.15	20.64	23.91	22.85	22.34	25.61	<=30	Pass
		Inner 1RB Right	21.20	20.73	23.98	22.9	22.43	25.68	<=30	Pass
	3500.01	Edge 1RB Left	19.20	19.07	22.14	20.9	20.77	23.84	<=30	Pass
		Edge 1RB Right	18.86	18.72	21.80	20.56	20.42	23.5	<=30	Pass
		Outer Full	19.66	19.56	22.62	21.36	21.26	24.32	<=30	Pass
		Inner Full	21.20	21.09	24.16	22.9	22.79	25.86	<=30	Pass
		Inner 1RB Left	21.15	21.04	24.10	22.85	22.74	25.8	<=30	Pass
		Inner 1RB Right	20.90	20.78	23.85	22.6	22.48	25.55	<=30	Pass
	3514.98	Edge 1RB Left	19.36	19.17	22.28	21.06	20.87	23.98	<=30	Pass
		Edge 1RB Right	19.29	19.05	22.18	20.99	20.75	23.88	<=30	Pass



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CP-OFDM 16 QAM		Outer_Full	19.69	19.61	22.66	21.39	21.31	24.36	<=30	Pass
		Inner_Full	21.17	21.05	24.13	22.87	22.75	25.83	<=30	Pass
		Inner_1RB_Left	21.20	21.06	24.14	22.9	22.76	25.84	<=30	Pass
		Inner_1RB_Right	21.27	20.98	24.14	22.97	22.68	25.84	<=30	Pass
	3485.01	Edge_1RB_Left	19.31	19.03	22.18	21.01	20.73	23.88	<=30	Pass
		Edge_1RB_Right	19.05	19.16	22.11	20.75	20.86	23.81	<=30	Pass
		Outer_Full	19.73	19.37	22.57	21.43	21.07	24.27	<=30	Pass
		Inner_Full	20.74	20.46	23.61	22.44	22.16	25.31	<=30	Pass
	3500.01	Inner_1RB_Left	20.86	20.50	23.69	22.56	22.2	25.39	<=30	Pass
		Inner_1RB_Right	20.62	20.50	23.57	22.32	22.2	25.27	<=30	Pass
		Edge_1RB_Left	19.15	19.31	22.24	20.85	21.01	23.94	<=30	Pass
		Edge_1RB_Right	18.72	19.06	21.90	20.42	20.76	23.6	<=30	Pass
	3514.98	Outer_Full	19.63	19.49	22.57	21.33	21.19	24.27	<=30	Pass
		Inner_Full	20.82	20.62	23.73	22.52	22.32	25.43	<=30	Pass
		Inner_1RB_Left	20.80	20.86	23.84	22.5	22.56	25.54	<=30	Pass
		Inner_1RB_Right	20.34	20.45	23.40	22.04	22.15	25.1	<=30	Pass
		Edge_1RB_Left	19.24	19.34	22.30	20.94	21.04	24	<=30	Pass
		Edge_1RB_Right	19.09	19.26	22.18	20.79	20.96	23.88	<=30	Pass
CP-OFDM 64 QAM	3485.01	Outer_Full	19.67	19.55	22.62	21.37	21.25	24.32	<=30	Pass
		Inner_Full	20.74	20.58	23.67	22.44	22.28	25.37	<=30	Pass
		Inner_1RB_Left	20.81	20.86	23.85	22.51	22.56	25.55	<=30	Pass
		Inner_1RB_Right	20.60	20.68	23.65	22.3	22.38	25.35	<=30	Pass
		Edge_1RB_Left	19.17	18.61	21.91	20.87	20.31	23.61	<=30	Pass
		Edge_1RB_Right	18.79	18.68	21.75	20.49	20.38	23.45	<=30	Pass
	3500.01	Outer_Full	19.07	18.94	22.02	20.77	20.64	23.72	<=30	Pass
		Inner_Full	19.12	18.94	22.04	20.82	20.64	23.74	<=30	Pass
		Inner_1RB_Left	19.09	18.61	21.86	20.79	20.31	23.56	<=30	Pass
		Inner_1RB_Right	18.82	18.66	21.75	20.52	20.36	23.45	<=30	Pass
		Edge_1RB_Left	19.06	18.78	21.93	20.76	20.48	23.63	<=30	Pass
		Edge_1RB_Right	18.54	18.56	21.56	20.24	20.26	23.26	<=30	Pass
	3514.98	Outer_Full	19.13	19.06	22.11	20.83	20.76	23.81	<=30	Pass
		Inner_Full	19.20	19.11	22.16	20.9	20.81	23.86	<=30	Pass
		Inner_1RB_Left	19.09	18.65	21.88	20.79	20.35	23.58	<=30	Pass
		Inner_1RB_Right	18.59	18.62	21.62	20.29	20.32	23.32	<=30	Pass
		Edge_1RB_Left	19.16	18.89	22.04	20.86	20.59	23.74	<=30	Pass
		Edge_1RB_Right	18.95	18.80	21.88	20.65	20.5	23.58	<=30	Pass
CP-OFDM 256 QAM	3485.01	Outer_Full	19.08	19.11	22.11	20.78	20.81	23.81	<=30	Pass
		Inner_Full	19.10	19.10	22.11	20.8	20.8	23.81	<=30	Pass
		Inner_1RB_Left	19.13	18.85	22.00	20.83	20.55	23.7	<=30	Pass
		Inner_1RB_Right	19.06	18.85	21.97	20.76	20.55	23.67	<=30	Pass
		Edge_1RB_Left	16.44	15.77	19.13	18.14	17.47	20.83	<=30	Pass
		Edge_1RB_Right	16.12	15.81	18.98	17.82	17.51	20.68	<=30	Pass
	3500.01	Outer_Full	16.09	15.96	19.03	17.79	17.66	20.73	<=30	Pass
		Inner_Full	16.12	15.98	19.06	17.82	17.68	20.76	<=30	Pass
		Inner_1RB_Left	16.43	15.79	19.13	18.13	17.49	20.83	<=30	Pass
		Inner_1RB_Right	16.09	15.78	18.95	17.79	17.48	20.65	<=30	Pass
	3514.98	Edge_1RB_Left	16.36	16.00	19.19	18.06	17.7	20.89	<=30	Pass
		Edge_1RB_Right	15.75	15.77	18.77	17.45	17.47	20.47	<=30	Pass



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		Outer_Full	16.13	16.12	19.14	17.83	17.82	20.84	<=30	Pass
		Inner_Full	16.13	15.97	19.07	17.83	17.67	20.77	<=30	Pass
		Inner_1RB_Left	16.36	15.98	19.18	18.06	17.68	20.88	<=30	Pass
		Inner_1RB_Right	15.99	15.78	18.89	17.69	17.48	20.59	<=30	Pass
	3514.98	Edge_1RB_Left	16.51	15.98	19.26	18.21	17.68	20.96	<=30	Pass
		Edge_1RB_Right	16.17	15.96	19.08	17.87	17.66	20.78	<=30	Pass
		Outer_Full	16.08	16.10	19.10	17.78	17.8	20.8	<=30	Pass
		Inner_Full	16.19	16.15	19.18	17.89	17.85	20.88	<=30	Pass
		Inner_1RB_Left	16.43	15.98	19.22	18.13	17.68	20.92	<=30	Pass
		Inner_1RB_Right	16.19	16.02	19.11	17.89	17.72	20.81	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;

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

1.16 30k_MIMO_80MHz_NTNV_EIRP

1.16.1 Test Result

5G NR n78e SCS=30kHz MIMO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3490.02	Edge_1RB_Left	19.16	18.74	21.97	20.86	20.44	23.67	<=30	Pass
		Edge_1RB_Right	18.97	18.78	21.89	20.67	20.48	23.59	<=30	Pass
		Outer_Full	19.70	19.53	22.63	21.4	21.23	24.33	<=30	Pass
		Inner_Full	21.32	21.11	24.23	23.02	22.81	25.93	<=30	Pass
		Inner_1RB_Left	21.42	20.61	24.05	23.12	22.31	25.75	<=30	Pass
		Inner_1RB_Right	21.13	20.69	23.92	22.83	22.39	25.62	<=30	Pass
	3500.01	Edge_1RB_Left	19.17	18.90	22.05	20.87	20.6	23.75	<=30	Pass
		Edge_1RB_Right	18.80	18.89	21.86	20.5	20.59	23.56	<=30	Pass
		Outer_Full	19.50	19.40	22.46	21.2	21.1	24.16	<=30	Pass
		Inner_Full	21.28	21.03	24.17	22.98	22.73	25.87	<=30	Pass
		Inner_1RB_Left	21.28	20.83	24.07	22.98	22.53	25.77	<=30	Pass
		Inner_1RB_Right	20.94	20.93	23.94	22.64	22.63	25.64	<=30	Pass
	3510	Edge_1RB_Left	19.19	18.97	22.09	20.89	20.67	23.79	<=30	Pass
		Edge_1RB_Right	19.11	18.89	22.01	20.81	20.59	23.71	<=30	Pass
		Outer_Full	19.56	19.41	22.49	21.26	21.11	24.19	<=30	Pass
		Inner_Full	21.11	20.97	24.05	22.81	22.67	25.75	<=30	Pass
		Inner_1RB_Left	21.20	20.92	24.07	22.9	22.62	25.77	<=30	Pass
		Inner_1RB_Right	21.15	20.79	23.99	22.85	22.49	25.69	<=30	Pass
CP-OFDM 16 QAM	3490.02	Edge_1RB_Left	19.16	19.03	22.11	20.86	20.73	23.81	<=30	Pass
		Edge_1RB_Right	18.88	19.19	22.05	20.58	20.89	23.75	<=30	Pass
		Outer_Full	19.65	19.47	22.58	21.35	21.17	24.28	<=30	Pass
		Inner_Full	20.78	20.69	23.75	22.48	22.39	25.45	<=30	Pass
		Inner_1RB_Left	20.84	20.61	23.74	22.54	22.31	25.44	<=30	Pass
		Inner_1RB_Right	20.28	20.58	23.44	21.98	22.28	25.14	<=30	Pass
	3500.01	Edge_1RB_Left	19.18	19.08	22.14	20.88	20.78	23.84	<=30	Pass



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		Edge 1RB Right	18.74	19.12	21.94	20.44	20.82	23.64	<=30	Pass
		Outer Full	19.49	19.43	22.47	21.19	21.13	24.17	<=30	Pass
		Inner Full	20.72	20.58	23.66	22.42	22.28	25.36	<=30	Pass
		Inner 1RB Left	20.58	20.50	23.55	22.28	22.2	25.25	<=30	Pass
		Inner 1RB Right	20.22	20.61	23.43	21.92	22.31	25.13	<=30	Pass
	3510	Edge 1RB Left	19.19	19.25	22.23	20.89	20.95	23.93	<=30	Pass
		Edge 1RB Right	19.01	19.24	22.14	20.71	20.94	23.84	<=30	Pass
		Outer Full	19.49	19.47	22.49	21.19	21.17	24.19	<=30	Pass
		Inner Full	20.56	20.43	23.51	22.26	22.13	25.21	<=30	Pass
		Inner 1RB Left	20.70	20.83	23.78	22.4	22.53	25.48	<=30	Pass
CP-OFDM 64 QAM	3490.02	Inner 1RB Right	20.63	20.76	23.71	22.33	22.46	25.41	<=30	Pass
		Edge 1RB Left	19.08	18.71	21.91	20.78	20.41	23.61	<=30	Pass
		Edge 1RB Right	18.78	18.62	21.71	20.48	20.32	23.41	<=30	Pass
		Outer Full	19.15	18.98	22.07	20.85	20.68	23.77	<=30	Pass
		Inner Full	19.30	19.11	22.21	21	20.81	23.91	<=30	Pass
	3500.01	Inner 1RB Left	19.08	18.60	21.86	20.78	20.3	23.56	<=30	Pass
		Inner 1RB Right	18.68	18.69	21.70	20.38	20.39	23.4	<=30	Pass
		Edge 1RB Left	18.97	18.73	21.87	20.67	20.43	23.57	<=30	Pass
		Edge 1RB Right	18.66	18.72	21.70	20.36	20.42	23.4	<=30	Pass
		Outer Full	19.09	18.95	22.03	20.79	20.65	23.73	<=30	Pass
	3510	Inner Full	19.16	18.97	22.08	20.86	20.67	23.78	<=30	Pass
		Inner 1RB Left	19.00	18.71	21.87	20.7	20.41	23.57	<=30	Pass
		Inner 1RB Right	18.61	18.69	21.66	20.31	20.39	23.36	<=30	Pass
		Edge 1RB Left	18.95	18.83	21.90	20.65	20.53	23.6	<=30	Pass
		Edge 1RB Right	18.94	18.66	21.81	20.64	20.36	23.51	<=30	Pass
CP-OFDM 256 QAM	3490.02	Outer Full	19.08	18.97	22.03	20.78	20.67	23.73	<=30	Pass
		Inner Full	19.12	18.94	22.04	20.82	20.64	23.74	<=30	Pass
		Inner 1RB Left	19.00	18.78	21.90	20.7	20.48	23.6	<=30	Pass
		Inner 1RB Right	18.91	18.85	21.89	20.61	20.55	23.59	<=30	Pass
		Edge 1RB Left	16.30	15.74	19.04	18	17.44	20.74	<=30	Pass
	3500.01	Edge 1RB Right	15.92	15.84	18.89	17.62	17.54	20.59	<=30	Pass
		Outer Full	16.12	16.00	19.07	17.82	17.7	20.77	<=30	Pass
		Inner Full	16.20	16.05	19.14	17.9	17.75	20.84	<=30	Pass
		Inner 1RB Left	16.40	15.74	19.10	18.1	17.44	20.8	<=30	Pass
		Inner 1RB Right	15.94	15.84	18.90	17.64	17.54	20.6	<=30	Pass
	3510	Edge 1RB Left	16.29	15.87	19.10	17.99	17.57	20.8	<=30	Pass
		Edge 1RB Right	15.94	15.88	18.92	17.64	17.58	20.62	<=30	Pass
		Outer Full	16.02	16.01	19.02	17.72	17.71	20.72	<=30	Pass
		Inner Full	16.08	16.03	19.07	17.78	17.73	20.77	<=30	Pass
		Inner 1RB Left	16.29	15.84	19.08	17.99	17.54	20.78	<=30	Pass
	3510	Inner 1RB Right	15.84	15.94	18.90	17.54	17.64	20.6	<=30	Pass
		Edge 1RB Left	16.21	15.96	19.10	17.91	17.66	20.8	<=30	Pass
		Edge 1RB Right	16.21	15.85	19.05	17.91	17.55	20.75	<=30	Pass
		Outer Full	16.11	15.94	19.04	17.81	17.64	20.74	<=30	Pass
		Inner Full	16.11	15.95	19.04	17.81	17.65	20.74	<=30	Pass
	3510	Inner 1RB Left	16.26	15.90	19.09	17.96	17.6	20.79	<=30	Pass
		Inner 1RB Right	16.15	15.85	19.01	17.85	17.55	20.71	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;



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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

1.17 30k_MIMO_90MHz_NTNV_EIRP

1.17.1 Test Result

5G NR n78e SCS=30kHz MIMO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3495	Edge 1RB Left	19.21	18.61	21.93	20.91	20.31	23.63	<=30	Pass
		Edge 1RB Right	18.96	18.97	21.98	20.66	20.67	23.68	<=30	Pass
		Outer Full	19.61	19.40	22.52	21.31	21.1	24.22	<=30	Pass
		Inner Full	21.21	21.00	24.12	22.91	22.7	25.82	<=30	Pass
		Inner 1RB Left	21.22	20.70	23.98	22.92	22.4	25.68	<=30	Pass
		Inner 1RB Right	20.95	20.82	23.90	22.65	22.52	25.6	<=30	Pass
	3500.01	Edge 1RB Left	19.07	18.81	21.95	20.77	20.51	23.65	<=30	Pass
		Edge 1RB Right	19.01	19.08	22.06	20.71	20.78	23.76	<=30	Pass
		Outer Full	19.54	19.50	22.53	21.24	21.2	24.23	<=30	Pass
		Inner Full	21.20	21.07	24.15	22.9	22.77	25.85	<=30	Pass
		Inner 1RB Left	21.05	20.67	23.87	22.75	22.37	25.57	<=30	Pass
		Inner 1RB Right	21.01	21.01	24.02	22.71	22.71	25.72	<=30	Pass
	3504.99	Edge 1RB Left	19.19	18.89	22.05	20.89	20.59	23.75	<=30	Pass
		Edge 1RB Right	19.35	19.05	22.22	21.05	20.75	23.92	<=30	Pass
		Outer Full	19.64	19.58	22.62	21.34	21.28	24.32	<=30	Pass
		Inner Full	21.28	21.10	24.20	22.98	22.8	25.9	<=30	Pass
		Inner 1RB Left	21.27	20.87	24.08	22.97	22.57	25.78	<=30	Pass
		Inner 1RB Right	21.40	21.07	24.25	23.1	22.77	25.95	<=30	Pass
CP-OFDM 16 QAM	3495	Edge 1RB Left	19.15	18.98	22.08	20.85	20.68	23.78	<=30	Pass
		Edge 1RB Right	18.77	19.31	22.06	20.47	21.01	23.76	<=30	Pass
		Outer Full	19.54	19.32	22.44	21.24	21.02	24.14	<=30	Pass
		Inner Full	20.62	20.45	23.55	22.32	22.15	25.25	<=30	Pass
		Inner 1RB Left	20.65	20.39	23.53	22.35	22.09	25.23	<=30	Pass
		Inner 1RB Right	20.27	20.65	23.47	21.97	22.35	25.17	<=30	Pass
	3500.01	Edge 1RB Left	19.24	19.18	22.22	20.94	20.88	23.92	<=30	Pass
		Edge 1RB Right	19.00	19.35	22.19	20.7	21.05	23.89	<=30	Pass
		Outer Full	19.53	19.45	22.50	21.23	21.15	24.2	<=30	Pass
		Inner Full	20.70	20.55	23.64	22.4	22.25	25.34	<=30	Pass
		Inner 1RB Left	20.70	20.52	23.62	22.4	22.22	25.32	<=30	Pass
		Inner 1RB Right	20.41	20.76	23.60	22.11	22.46	25.3	<=30	Pass
	3504.99	Edge 1RB Left	19.11	19.02	22.07	20.81	20.72	23.77	<=30	Pass
		Edge 1RB Right	19.23	19.23	22.24	20.93	20.93	23.94	<=30	Pass
		Outer Full	19.69	19.59	22.65	21.39	21.29	24.35	<=30	Pass
		Inner Full	20.78	20.58	23.69	22.48	22.28	25.39	<=30	Pass
		Inner 1RB Left	20.70	20.66	23.69	22.4	22.36	25.39	<=30	Pass
		Inner 1RB Right	20.70	20.71	23.71	22.4	22.41	25.41	<=30	Pass



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CP-OFDM 64 QAM	3495	Edge 1RB Left	19.01	18.48	21.76	20.71	20.18	23.46	<=30	Pass
		Edge 1RB Right	18.40	18.58	21.50	20.1	20.28	23.2	<=30	Pass
		Outer Full	19.03	18.89	21.97	20.73	20.59	23.67	<=30	Pass
		Inner Full	19.11	18.93	22.03	20.81	20.63	23.73	<=30	Pass
		Inner 1RB Left	19.02	18.53	21.79	20.72	20.23	23.49	<=30	Pass
		Inner 1RB Right	18.67	18.69	21.69	20.37	20.39	23.39	<=30	Pass
	3500.01	Edge 1RB Left	18.93	18.53	21.75	20.63	20.23	23.45	<=30	Pass
		Edge 1RB Right	18.76	18.90	21.84	20.46	20.6	23.54	<=30	Pass
		Outer Full	19.04	18.92	21.99	20.74	20.62	23.69	<=30	Pass
		Inner Full	19.08	18.99	22.05	20.78	20.69	23.75	<=30	Pass
		Inner 1RB Left	19.02	18.54	21.80	20.72	20.24	23.5	<=30	Pass
		Inner 1RB Right	18.79	18.80	21.81	20.49	20.5	23.51	<=30	Pass
	3504.99	Edge 1RB Left	19.05	18.71	21.89	20.75	20.41	23.59	<=30	Pass
		Edge 1RB Right	19.07	18.80	21.95	20.77	20.5	23.65	<=30	Pass
		Outer Full	19.10	19.09	22.10	20.8	20.79	23.8	<=30	Pass
		Inner Full	19.28	19.10	22.20	20.98	20.8	23.9	<=30	Pass
		Inner 1RB Left	19.09	18.72	21.92	20.79	20.42	23.62	<=30	Pass
		Inner 1RB Right	19.05	18.75	21.91	20.75	20.45	23.61	<=30	Pass
CP-OFDM 256 QAM	3495	Edge 1RB Left	16.34	15.70	19.04	18.04	17.4	20.74	<=30	Pass
		Edge 1RB Right	15.94	15.80	18.88	17.64	17.5	20.58	<=30	Pass
		Outer Full	16.03	15.91	18.98	17.73	17.61	20.68	<=30	Pass
		Inner Full	16.13	15.92	19.04	17.83	17.62	20.74	<=30	Pass
		Inner 1RB Left	16.31	15.64	19.00	18.01	17.34	20.7	<=30	Pass
		Inner 1RB Right	15.81	15.93	18.88	17.51	17.63	20.58	<=30	Pass
	3500.01	Edge 1RB Left	16.35	15.75	19.07	18.05	17.45	20.77	<=30	Pass
		Edge 1RB Right	16.01	15.92	18.97	17.71	17.62	20.67	<=30	Pass
		Outer Full	16.01	15.95	18.99	17.71	17.65	20.69	<=30	Pass
		Inner Full	16.15	16.02	19.09	17.85	17.72	20.79	<=30	Pass
		Inner 1RB Left	16.31	15.63	18.99	18.01	17.33	20.69	<=30	Pass
		Inner 1RB Right	14.29	-26.75	14.29	15.99	-25.05	15.99	<=30	Pass
	3504.99	Edge 1RB Left	16.24	15.78	19.03	17.94	17.48	20.73	<=30	Pass
		Edge 1RB Right	16.18	15.84	19.02	17.88	17.54	20.72	<=30	Pass
		Outer Full	16.10	16.13	19.13	17.8	17.83	20.83	<=30	Pass
		Inner Full	16.15	16.10	19.13	17.85	17.8	20.83	<=30	Pass
		Inner 1RB Left	16.20	15.74	18.99	17.9	17.44	20.69	<=30	Pass
		Inner 1RB Right	16.21	15.83	19.03	17.91	17.53	20.73	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;
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

1.18 30k_MIMO_100MHz_NTNV_EIRP

1.18.1 Test Result

5G NR n78e SCS=30kHz MIMO 100MHz NTN					
Modulation	Frequency	RB	Conducted Power(dBm)	EIRP(dBm)	Verdict



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	(MHz)	Allocation	Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	Pass
CP-OFDM QPSK	3500.01	Edge_1RB_Left	19.20	18.73	21.98	20.9	20.43	23.68	<=30	Pass
		Edge_1RB_Right	19.12	19.04	22.09	20.82	20.74	23.79	<=30	Pass
		Outer_Full	19.55	19.46	22.51	21.25	21.16	24.21	<=30	Pass
		Inner_Full	21.16	21.02	24.10	22.86	22.72	25.8	<=30	Pass
		Inner_1RB_Left	21.17	20.72	23.96	22.87	22.42	25.66	<=30	Pass
		Inner_1RB_Right	21.27	20.91	24.11	22.97	22.61	25.81	<=30	Pass
	3500.01	Edge_1RB_Left	19.23	18.70	21.98	20.93	20.4	23.68	<=30	Pass
		Edge_1RB_Right	19.15	19.00	22.08	20.85	20.7	23.78	<=30	Pass
		Outer_Full	19.62	19.51	22.58	21.32	21.21	24.28	<=30	Pass
		Inner_Full	21.22	21.05	24.15	22.92	22.75	25.85	<=30	Pass
		Inner_1RB_Left	21.25	20.66	23.98	22.95	22.36	25.68	<=30	Pass
		Inner_1RB_Right	21.15	20.82	23.99	22.85	22.52	25.69	<=30	Pass
	3499.98	Edge_1RB_Left	19.15	18.66	21.92	20.85	20.36	23.62	<=30	Pass
		Edge_1RB_Right	19.11	18.87	22.00	20.81	20.57	23.7	<=30	Pass
		Outer_Full	19.56	19.47	22.52	21.26	21.17	24.22	<=30	Pass
		Inner_Full	21.15	21.00	24.08	22.85	22.7	25.78	<=30	Pass
		Inner_1RB_Left	21.10	20.56	23.85	22.8	22.26	25.55	<=30	Pass
		Inner_1RB_Right	21.07	20.83	23.96	22.77	22.53	25.66	<=30	Pass
CP-OFDM 16 QAM	3500.01	Edge_1RB_Left	19.16	18.92	22.06	20.86	20.62	23.76	<=30	Pass
		Edge_1RB_Right	19.24	19.32	22.29	20.94	21.02	23.99	<=30	Pass
		Outer_Full	19.64	19.47	22.56	21.34	21.17	24.26	<=30	Pass
		Inner_Full	20.70	20.59	23.65	22.4	22.29	25.35	<=30	Pass
		Inner_1RB_Left	20.66	20.33	23.51	22.36	22.03	25.21	<=30	Pass
		Inner_1RB_Right	20.77	20.71	23.75	22.47	22.41	25.45	<=30	Pass
	3500.01	Edge_1RB_Left	19.19	19.00	22.11	20.89	20.7	23.81	<=30	Pass
		Edge_1RB_Right	19.13	19.20	22.17	20.83	20.9	23.87	<=30	Pass
		Outer_Full	19.49	19.44	22.47	21.19	21.14	24.17	<=30	Pass
		Inner_Full	20.75	20.60	23.69	22.45	22.3	25.39	<=30	Pass
		Inner_1RB_Left	20.71	20.34	23.54	22.41	22.04	25.24	<=30	Pass
		Inner_1RB_Right	20.64	20.80	23.73	22.34	22.5	25.43	<=30	Pass
	3499.98	Edge_1RB_Left	19.23	18.94	22.09	20.93	20.64	23.79	<=30	Pass
		Edge_1RB_Right	19.11	19.05	22.09	20.81	20.75	23.79	<=30	Pass
		Outer_Full	19.46	19.31	22.39	21.16	21.01	24.09	<=30	Pass
		Inner_Full	20.59	20.40	23.51	22.29	22.1	25.21	<=30	Pass
		Inner_1RB_Left	20.74	20.46	23.61	22.44	22.16	25.31	<=30	Pass
		Inner_1RB_Right	20.65	20.62	23.64	22.35	22.32	25.34	<=30	Pass
CP-OFDM 64 QAM	3500.01	Edge_1RB_Left	19.02	18.48	21.77	20.72	20.18	23.47	<=30	Pass
		Edge_1RB_Right	19.14	18.96	22.06	20.84	20.66	23.76	<=30	Pass
		Outer_Full	19.09	19.03	22.07	20.79	20.73	23.77	<=30	Pass
		Inner_Full	19.27	19.02	22.16	20.97	20.72	23.86	<=30	Pass
		Inner_1RB_Left	19.00	18.52	21.78	20.7	20.22	23.48	<=30	Pass
		Inner_1RB_Right	18.94	18.73	21.85	20.64	20.43	23.55	<=30	Pass
	3500.01	Edge_1RB_Left	18.98	18.50	21.76	20.68	20.2	23.46	<=30	Pass
		Edge_1RB_Right	18.94	18.76	21.86	20.64	20.46	23.56	<=30	Pass
		Outer_Full	19.02	18.91	21.98	20.72	20.61	23.68	<=30	Pass
		Inner_Full	19.14	19.00	22.08	20.84	20.7	23.78	<=30	Pass
		Inner_1RB_Left	18.92	18.46	21.70	20.62	20.16	23.4	<=30	Pass



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CP-OFDM 256 QAM	3499.98	Inner 1RB Right	18.89	18.74	21.83	20.59	20.44	23.53	<=30	Pass
		Edge 1RB Left	18.96	18.42	21.71	20.66	20.12	23.41	<=30	Pass
		Edge 1RB Right	19.06	18.72	21.90	20.76	20.42	23.6	<=30	Pass
		Outer Full	19.04	18.87	21.96	20.74	20.57	23.66	<=30	Pass
		Inner Full	19.11	18.91	22.02	20.81	20.61	23.72	<=30	Pass
		Inner 1RB Left	19.03	18.41	21.74	20.73	20.11	23.44	<=30	Pass
		Inner 1RB Right	18.96	18.74	21.86	20.66	20.44	23.56	<=30	Pass
	3500.01	Edge 1RB Left	16.39	15.70	19.07	18.09	17.4	20.77	<=30	Pass
		Edge 1RB Right	16.29	15.86	19.09	17.99	17.56	20.79	<=30	Pass
		Outer Full	16.14	16.03	19.10	17.84	17.73	20.8	<=30	Pass
		Inner Full	16.25	16.10	19.19	17.95	17.8	20.89	<=30	Pass
		Inner 1RB Left	16.25	15.62	18.96	17.95	17.32	20.66	<=30	Pass
		Inner 1RB Right	16.14	15.94	19.05	17.84	17.64	20.75	<=30	Pass
	3500.01	Edge 1RB Left	16.31	15.68	19.01	18.01	17.38	20.71	<=30	Pass
		Edge 1RB Right	16.25	15.92	19.10	17.95	17.62	20.8	<=30	Pass
		Outer Full	16.14	15.92	19.04	17.84	17.62	20.74	<=30	Pass
		Inner Full	16.18	16.06	19.13	17.88	17.76	20.83	<=30	Pass
		Inner 1RB Left	16.27	15.66	18.99	17.97	17.36	20.69	<=30	Pass
		Inner 1RB Right	16.23	15.95	19.10	17.93	17.65	20.8	<=30	Pass
	3499.98	Edge 1RB Left	16.19	15.63	18.93	17.89	17.33	20.63	<=30	Pass
		Edge 1RB Right	16.17	15.82	19.01	17.87	17.52	20.71	<=30	Pass
		Outer Full	16.14	15.98	19.07	17.84	17.68	20.77	<=30	Pass
		Inner Full	16.17	16.00	19.09	17.87	17.7	20.79	<=30	Pass
		Inner 1RB Left	16.21	15.60	18.93	17.91	17.3	20.63	<=30	Pass
		Inner 1RB Right	16.22	15.79	19.02	17.92	17.49	20.72	<=30	Pass

Note1: Antenna Gain: Ant1: 1.7dBi; Ant4: 1.7dBi;

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



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2. Frequency Stability

2.1 30k_SISO_20MHz

2.1.1 Test Result

5G NR n78e SCS=30kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	3.10	0.0009	/	Pass
				HV	-6.40	-0.0018	/	Pass
			-30	NV	-18.50	-0.0053	/	Pass
			-20	NV	-16.50	-0.0047	/	Pass
			-10	NV	-7.70	-0.0022	/	Pass
			0	NV	-14.80	-0.0042	/	Pass
			10	NV	-8.40	-0.0024	/	Pass
			20	NV	-6.50	-0.0019	/	Pass
			30	NV	-18.20	-0.0052	/	Pass
			40	NV	-13.20	-0.0038	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-14.00	-0.0040	/	Pass
				HV	-13.60	-0.0039	/	Pass
			-30	NV	-15.10	-0.0043	/	Pass
			-20	NV	-15.40	-0.0044	/	Pass
			-10	NV	-5.40	-0.0015	/	Pass
			0	NV	-6.90	-0.0020	/	Pass
			10	NV	-19.50	-0.0056	/	Pass
			20	NV	-7.30	-0.0021	/	Pass
			30	NV	-20.10	-0.0057	/	Pass
			40	NV	1.20	0.0003	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-17.30	-0.0049	/	Pass
				HV	-11.30	-0.0032	/	Pass
			-30	NV	-3.90	-0.0011	/	Pass
			-20	NV	-8.80	-0.0025	/	Pass
			-10	NV	-12.30	-0.0035	/	Pass
			0	NV	-7.90	-0.0023	/	Pass
			10	NV	-4.30	-0.0012	/	Pass
			20	NV	-19.30	-0.0055	/	Pass
			30	NV	-8.90	-0.0025	/	Pass
			40	NV	-17.00	-0.0049	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-10.10	-0.0029	/	Pass
				HV	-8.80	-0.0025	/	Pass
			-30	NV	-12.60	-0.0036	/	Pass
			-20	NV	-16.10	-0.0046	/	Pass



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			-10	NV	-6.30	-0.0018	/	Pass
			0	NV	-12.70	-0.0036	/	Pass
			10	NV	-25.90	-0.0074	/	Pass
			20	NV	6.30	0.0018	/	Pass
			30	NV	-6.10	-0.0017	/	Pass
			40	NV	-14.00	-0.0040	/	Pass
			50	NV	4.00	0.0011	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-10.60	-0.0030	/	Pass
				HV	-3.60	-0.0010	/	Pass
			-30	NV	-8.70	-0.0025	/	Pass
			-20	NV	-3.40	-0.0010	/	Pass
			-10	NV	-14.40	-0.0041	/	Pass
			0	NV	-19.00	-0.0054	/	Pass
			10	NV	-18.50	-0.0053	/	Pass
			20	NV	-6.70	-0.0019	/	Pass
			30	NV	-14.30	-0.0041	/	Pass
			40	NV	-11.70	-0.0033	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	50	NV	-5.70	-0.0016	/	Pass
			20	LV	-2.00	-0.0006	/	Pass
				HV	-5.10	-0.0015	/	Pass
			-30	NV	-7.50	-0.0021	/	Pass
			-20	NV	-18.90	-0.0054	/	Pass
			-10	NV	-19.70	-0.0056	/	Pass
			0	NV	-14.00	-0.0040	/	Pass
			10	NV	-2.30	-0.0007	/	Pass
			20	NV	-14.50	-0.0041	/	Pass
			30	NV	-7.10	-0.0020	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	40	NV	-13.30	-0.0038	/	Pass
			50	NV	-7.70	-0.0022	/	Pass
			20	LV	5.80	0.0017	/	Pass
				HV	-5.00	-0.0014	/	Pass
			-30	NV	-4.20	-0.0012	/	Pass
			-20	NV	-16.60	-0.0047	/	Pass
			-10	NV	-8.10	-0.0023	/	Pass
			0	NV	-5.80	-0.0017	/	Pass
			10	NV	-9.20	-0.0026	/	Pass
			20	NV	-4.40	-0.0013	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	30	NV	3.80	0.0011	/	Pass
			40	NV	-17.50	-0.0050	/	Pass
			50	NV	-12.20	-0.0035	/	Pass
			20	LV	-14.80	-0.0042	/	Pass
				HV	-6.90	-0.0020	/	Pass
			-30	NV	-12.10	-0.0035	/	Pass
			-20	NV	-11.10	-0.0032	/	Pass
			-10	NV	5.00	0.0014	/	Pass
			0	NV	-17.00	-0.0049	/	Pass
			10	NV	-6.20	-0.0018	/	Pass
			20	NV	-7.30	-0.0021	/	Pass



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