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Appendix B.51

NR Band n78(3700-3800)



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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 n78a SCS=30kHz SISO 20MHz 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	3710.01	Edge_1RB_Left	22.42	/	/	24.12	/	/	<=30	Pass
		Edge_1RB_Right	22.60	/	/	24.3	/	/	<=30	Pass
		Outer_Full	25.35	/	/	27.05	/	/	<=30	Pass
		Inner_Full	25.79	/	/	27.49	/	/	<=30	Pass
		Inner_1RB_Left	25.90	/	/	27.6	/	/	<=30	Pass
		Inner_1RB_Right	26.10	/	/	27.8	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.73	/	/	24.43	/	/	<=30	Pass
		Edge_1RB_Right	22.63	/	/	24.33	/	/	<=30	Pass
		Outer_Full	25.55	/	/	27.25	/	/	<=30	Pass
		Inner_Full	26.06	/	/	27.76	/	/	<=30	Pass
		Inner_1RB_Left	26.21	/	/	27.91	/	/	<=30	Pass
		Inner_1RB_Right	26.12	/	/	27.82	/	/	<=30	Pass
	3789.99	Edge_1RB_Left	23.21	/	/	24.91	/	/	<=30	Pass
		Edge_1RB_Right	23.21	/	/	24.91	/	/	<=30	Pass
		Outer_Full	26.17	/	/	27.87	/	/	<=30	Pass
		Inner_Full	26.74	/	/	28.44	/	/	<=30	Pass
		Inner_1RB_Left	26.67	/	/	28.37	/	/	<=30	Pass
		Inner_1RB_Right	26.68	/	/	28.38	/	/	<=30	Pass
DFT-s-OFDM QPSK	3710.01	Edge_1RB_Left	22.35	/	/	24.05	/	/	<=30	Pass
		Edge_1RB_Right	22.60	/	/	24.3	/	/	<=30	Pass
		Outer_Full	24.81	/	/	26.51	/	/	<=30	Pass
		Inner_Full	25.76	/	/	27.46	/	/	<=30	Pass
		Inner_1RB_Left	25.92	/	/	27.62	/	/	<=30	Pass
		Inner_1RB_Right	26.08	/	/	27.78	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.79	/	/	24.49	/	/	<=30	Pass
		Edge_1RB_Right	22.63	/	/	24.33	/	/	<=30	Pass
		Outer_Full	25.09	/	/	26.79	/	/	<=30	Pass
		Inner_Full	26.08	/	/	27.78	/	/	<=30	Pass
		Inner_1RB_Left	26.29	/	/	27.99	/	/	<=30	Pass
		Inner_1RB_Right	26.07	/	/	27.77	/	/	<=30	Pass
	3789.99	Edge_1RB_Left	23.20	/	/	24.9	/	/	<=30	Pass
		Edge_1RB_Right	23.17	/	/	24.87	/	/	<=30	Pass
		Outer_Full	25.74	/	/	27.44	/	/	<=30	Pass
		Inner_Full	26.73	/	/	28.43	/	/	<=30	Pass
		Inner_1RB_Left	26.68	/	/	28.38	/	/	<=30	Pass
		Inner_1RB_Right	26.75	/	/	28.45	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3710.01	Edge_1RB_Left	22.31	/	/	24.01	/	/	<=30	Pass



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		Edge_1RB_Right	22.52	/	/	24.22	/	/	<=30	Pass
		Outer_Full	23.88	/	/	25.58	/	/	<=30	Pass
		Inner_Full	24.78	/	/	26.48	/	/	<=30	Pass
		Inner_1RB_Left	24.74	/	/	26.44	/	/	<=30	Pass
		Inner_1RB_Right	24.93	/	/	26.63	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.66	/	/	24.36	/	/	<=30	Pass
		Edge_1RB_Right	22.51	/	/	24.21	/	/	<=30	Pass
		Outer_Full	24.10	/	/	25.8	/	/	<=30	Pass
		Inner_Full	25.09	/	/	26.79	/	/	<=30	Pass
		Inner_1RB_Left	25.12	/	/	26.82	/	/	<=30	Pass
	3789.99	Inner_1RB_Right	24.90	/	/	26.6	/	/	<=30	Pass
		Edge_1RB_Left	23.06	/	/	24.76	/	/	<=30	Pass
		Edge_1RB_Right	23.08	/	/	24.78	/	/	<=30	Pass
		Outer_Full	24.70	/	/	26.4	/	/	<=30	Pass
		Inner_Full	25.76	/	/	27.46	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3710.01	Inner_1RB_Left	25.55	/	/	27.25	/	/	<=30	Pass
		Inner_1RB_Right	25.59	/	/	27.29	/	/	<=30	Pass
		Edge_1RB_Left	22.46	/	/	24.16	/	/	<=30	Pass
		Edge_1RB_Right	22.62	/	/	24.32	/	/	<=30	Pass
		Outer_Full	23.41	/	/	25.11	/	/	<=30	Pass
	3750	Inner_Full	23.29	/	/	24.99	/	/	<=30	Pass
		Inner_1RB_Left	23.42	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Right	23.71	/	/	25.41	/	/	<=30	Pass
		Edge_1RB_Left	22.88	/	/	24.58	/	/	<=30	Pass
		Edge_1RB_Right	22.71	/	/	24.41	/	/	<=30	Pass
	3789.99	Outer_Full	23.60	/	/	25.3	/	/	<=30	Pass
		Inner_Full	23.63	/	/	25.33	/	/	<=30	Pass
		Inner_1RB_Left	23.90	/	/	25.6	/	/	<=30	Pass
		Inner_1RB_Right	23.73	/	/	25.43	/	/	<=30	Pass
		Edge_1RB_Left	23.29	/	/	24.99	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Edge_1RB_Right	23.31	/	/	25.01	/	/	<=30	Pass
		Outer_Full	24.22	/	/	25.92	/	/	<=30	Pass
		Inner_Full	24.22	/	/	25.92	/	/	<=30	Pass
		Inner_1RB_Left	24.16	/	/	25.86	/	/	<=30	Pass
		Inner_1RB_Right	24.30	/	/	26	/	/	<=30	Pass
	3750	Edge_1RB_Left	21.31	/	/	23.01	/	/	<=30	Pass
		Edge_1RB_Right	21.53	/	/	23.23	/	/	<=30	Pass
		Outer_Full	21.37	/	/	23.07	/	/	<=30	Pass
		Inner_Full	21.33	/	/	23.03	/	/	<=30	Pass
		Inner_1RB_Left	21.32	/	/	23.02	/	/	<=30	Pass
	3789.99	Inner_1RB_Right	21.58	/	/	23.28	/	/	<=30	Pass
		Edge_1RB_Left	21.60	/	/	23.3	/	/	<=30	Pass
		Edge_1RB_Right	21.52	/	/	23.22	/	/	<=30	Pass
		Outer_Full	21.62	/	/	23.32	/	/	<=30	Pass
		Inner_Full	21.64	/	/	23.34	/	/	<=30	Pass
		Inner_1RB_Left	21.68	/	/	23.38	/	/	<=30	Pass
		Inner_1RB_Right	21.57	/	/	23.27	/	/	<=30	Pass
	3789.99	Edge_1RB_Left	22.07	/	/	23.77	/	/	<=30	Pass



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		Edge_1RB_Right	22.03	/	/	23.73	/	/	<=30	Pass
		Outer_Full	22.11	/	/	23.81	/	/	<=30	Pass
		Inner_Full	22.33	/	/	24.03	/	/	<=30	Pass
		Inner_1RB_Left	22.09	/	/	23.79	/	/	<=30	Pass
		Inner_1RB_Right	22.05	/	/	23.75	/	/	<=30	Pass
CP-OFDM QPSK	3710.01	Edge_1RB_Left	22.40	/	/	24.1	/	/	<=30	Pass
		Edge_1RB_Right	22.61	/	/	24.31	/	/	<=30	Pass
		Outer_Full	22.77	/	/	24.47	/	/	<=30	Pass
		Inner_Full	24.17	/	/	25.87	/	/	<=30	Pass
		Inner_1RB_Left	24.36	/	/	26.06	/	/	<=30	Pass
	3750	Inner_1RB_Right	24.67	/	/	26.37	/	/	<=30	Pass
		Edge_1RB_Left	22.75	/	/	24.45	/	/	<=30	Pass
		Edge_1RB_Right	22.63	/	/	24.33	/	/	<=30	Pass
		Outer_Full	23.09	/	/	24.79	/	/	<=30	Pass
		Inner_Full	24.55	/	/	26.25	/	/	<=30	Pass
	3789.99	Inner_1RB_Left	24.74	/	/	26.44	/	/	<=30	Pass
		Inner_1RB_Right	24.64	/	/	26.34	/	/	<=30	Pass
		Edge_1RB_Left	23.13	/	/	24.83	/	/	<=30	Pass
		Edge_1RB_Right	23.22	/	/	24.92	/	/	<=30	Pass
		Outer_Full	23.65	/	/	25.35	/	/	<=30	Pass
CP-OFDM 16 QAM	3710.01	Inner_Full	25.29	/	/	26.99	/	/	<=30	Pass
		Inner_1RB_Left	25.11	/	/	26.81	/	/	<=30	Pass
		Inner_1RB_Right	25.39	/	/	27.09	/	/	<=30	Pass
		Edge_1RB_Left	22.24	/	/	23.94	/	/	<=30	Pass
		Edge_1RB_Right	22.57	/	/	24.27	/	/	<=30	Pass
	3750	Outer_Full	22.91	/	/	24.61	/	/	<=30	Pass
		Inner_Full	23.81	/	/	25.51	/	/	<=30	Pass
		Inner_1RB_Left	23.85	/	/	25.55	/	/	<=30	Pass
		Inner_1RB_Right	24.05	/	/	25.75	/	/	<=30	Pass
		Edge_1RB_Left	22.67	/	/	24.37	/	/	<=30	Pass
	3789.99	Edge_1RB_Right	22.59	/	/	24.29	/	/	<=30	Pass
		Outer_Full	23.09	/	/	24.79	/	/	<=30	Pass
		Inner_Full	24.02	/	/	25.72	/	/	<=30	Pass
		Inner_1RB_Left	24.16	/	/	25.86	/	/	<=30	Pass
		Inner_1RB_Right	24.33	/	/	26.03	/	/	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge_1RB_Left	22.95	/	/	24.65	/	/	<=30	Pass
		Edge_1RB_Right	23.03	/	/	24.73	/	/	<=30	Pass
		Outer_Full	23.63	/	/	25.33	/	/	<=30	Pass
		Inner_Full	24.70	/	/	26.4	/	/	<=30	Pass
		Inner_1RB_Left	24.65	/	/	26.35	/	/	<=30	Pass
3750	Inner_1RB_Right	24.66	/	/	26.36	/	/	<=30	Pass	
	Edge_1RB_Left	22.36	/	/	24.06	/	/	<=30	Pass	
	Edge_1RB_Right	22.69	/	/	24.39	/	/	<=30	Pass	
	Outer_Full	22.34	/	/	24.04	/	/	<=30	Pass	
	Inner_Full	22.26	/	/	23.96	/	/	<=30	Pass	
	3750	Inner_1RB_Left	22.47	/	/	24.17	/	/	<=30	Pass
		Inner_1RB_Right	22.61	/	/	24.31	/	/	<=30	Pass
		Edge_1RB_Left	22.78	/	/	24.48	/	/	<=30	Pass



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CP-OFDM 256 QAM	3789.99	Edge_1RB_Right	22.67	/	/	24.37	/	/	<=30	Pass	
		Outer_Full	22.55	/	/	24.25	/	/	<=30	Pass	
		Inner_Full	22.54	/	/	24.24	/	/	<=30	Pass	
		Inner_1RB_Left	22.76	/	/	24.46	/	/	<=30	Pass	
		Inner_1RB_Right	22.64	/	/	24.34	/	/	<=30	Pass	
	3789.99	Edge_1RB_Left	23.13	/	/	24.83	/	/	<=30	Pass	
		Edge_1RB_Right	23.20	/	/	24.9	/	/	<=30	Pass	
		Outer_Full	23.19	/	/	24.89	/	/	<=30	Pass	
		Inner_Full	23.22	/	/	24.92	/	/	<=30	Pass	
		Inner_1RB_Left	23.17	/	/	24.87	/	/	<=30	Pass	
	3710.01	3750	Inner_1RB_Right	23.12	/	/	24.82	/	/	<=30	Pass
			Edge_1RB_Left	19.40	/	/	21.1	/	/	<=30	Pass
			Edge_1RB_Right	19.60	/	/	21.3	/	/	<=30	Pass
			Outer_Full	19.35	/	/	21.05	/	/	<=30	Pass
			Inner_Full	19.41	/	/	21.11	/	/	<=30	Pass
3789.99		3750	Inner_1RB_Left	19.43	/	/	21.13	/	/	<=30	Pass
			Inner_1RB_Right	19.63	/	/	21.33	/	/	<=30	Pass
			Edge_1RB_Left	19.72	/	/	21.42	/	/	<=30	Pass
			Edge_1RB_Right	19.53	/	/	21.23	/	/	<=30	Pass
			Outer_Full	19.60	/	/	21.3	/	/	<=30	Pass
3789.99	3750	Inner_Full	19.69	/	/	21.39	/	/	<=30	Pass	
		Inner_1RB_Left	19.73	/	/	21.43	/	/	<=30	Pass	
		Inner_1RB_Right	19.55	/	/	21.25	/	/	<=30	Pass	
		Edge_1RB_Left	20.17	/	/	21.87	/	/	<=30	Pass	
		Edge_1RB_Right	20.20	/	/	21.9	/	/	<=30	Pass	
3789.99	3750	Outer_Full	20.26	/	/	21.96	/	/	<=30	Pass	
		Inner_Full	20.36	/	/	22.06	/	/	<=30	Pass	
		Inner_1RB_Left	20.16	/	/	21.86	/	/	<=30	Pass	
		Inner_1RB_Right	20.16	/	/	21.86	/	/	<=30	Pass	
		Edge_1RB_Left	20.16	/	/	21.86	/	/	<=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 n78a SCS=30kHz SISO 30MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3715.02	Edge_1RB_Left	22.41	/	/	24.11	/	/	<=30	Pass
		Edge_1RB_Right	22.79	/	/	24.49	/	/	<=30	Pass
		Outer_Full	25.49	/	/	27.19	/	/	<=30	Pass
		Inner_Full	26.00	/	/	27.7	/	/	<=30	Pass
		Inner_1RB_Left	25.86	/	/	27.56	/	/	<=30	Pass
	Inner_1RB_Right	26.33	/	/	28.03	/	/	<=30	Pass	
	3750	Edge_1RB_Left	22.98	/	/	24.68	/	/	<=30	Pass



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		Edge_1RB_Right	22.74	/	/	24.44	/	/	<=30	Pass
		Outer_Full	25.62	/	/	27.32	/	/	<=30	Pass
		Inner_Full	9.65	/	/	11.35	/	/	<=30	Pass
		Inner_1RB_Left	26.42	/	/	28.12	/	/	<=30	Pass
		Inner_1RB_Right	26.28	/	/	27.98	/	/	<=30	Pass
	3784.98	Edge_1RB_Right	23.00	/	/	24.7	/	/	<=30	Pass
		Edge_1RB_Right	23.45	/	/	25.15	/	/	<=30	Pass
		Outer_Full	26.27	/	/	27.97	/	/	<=30	Pass
		Inner_Full	26.82	/	/	28.52	/	/	<=30	Pass
		Inner_1RB_Left	26.45	/	/	28.15	/	/	<=30	Pass
DFT-s-OFDM QPSK	3715.02	Inner_1RB_Right	26.87	/	/	28.57	/	/	<=30	Pass
		Edge_1RB_Left	22.40	/	/	24.1	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	24.54	/	/	<=30	Pass
		Outer_Full	24.95	/	/	26.65	/	/	<=30	Pass
		Inner_Full	25.84	/	/	27.54	/	/	<=30	Pass
	3750	Inner_1RB_Left	25.86	/	/	27.56	/	/	<=30	Pass
		Inner_1RB_Right	26.36	/	/	28.06	/	/	<=30	Pass
		Edge_1RB_Left	22.94	/	/	24.64	/	/	<=30	Pass
		Edge_1RB_Right	22.81	/	/	24.51	/	/	<=30	Pass
		Outer_Full	25.20	/	/	26.9	/	/	<=30	Pass
3784.98	Inner_Full	26.11	/	/	27.81	/	/	<=30	Pass	
	Inner_1RB_Left	26.36	/	/	28.06	/	/	<=30	Pass	
	Inner_1RB_Right	26.24	/	/	27.94	/	/	<=30	Pass	
	Edge_1RB_Left	23.08	/	/	24.78	/	/	<=30	Pass	
	Edge_1RB_Right	23.40	/	/	25.1	/	/	<=30	Pass	
DFT-s-OFDM 16 QAM	3715.02	Outer_Full	25.78	/	/	27.48	/	/	<=30	Pass
		Inner_Full	26.81	/	/	28.51	/	/	<=30	Pass
		Inner_1RB_Left	26.58	/	/	28.28	/	/	<=30	Pass
		Inner_1RB_Right	26.86	/	/	28.56	/	/	<=30	Pass
		Edge_1RB_Left	22.28	/	/	23.98	/	/	<=30	Pass
	3750	Edge_1RB_Right	22.75	/	/	24.45	/	/	<=30	Pass
		Outer_Full	23.95	/	/	25.65	/	/	<=30	Pass
		Inner_Full	24.88	/	/	26.58	/	/	<=30	Pass
		Inner_1RB_Left	24.69	/	/	26.39	/	/	<=30	Pass
		Inner_1RB_Right	25.22	/	/	26.92	/	/	<=30	Pass
3784.98	Edge_1RB_Left	22.80	/	/	24.5	/	/	<=30	Pass	
	Edge_1RB_Right	22.65	/	/	24.35	/	/	<=30	Pass	
	Outer_Full	24.29	/	/	25.99	/	/	<=30	Pass	
	Inner_Full	25.15	/	/	26.85	/	/	<=30	Pass	
	Inner_1RB_Left	25.32	/	/	27.02	/	/	<=30	Pass	
3784.98	Inner_1RB_Right	25.16	/	/	26.86	/	/	<=30	Pass	
	Edge_1RB_Left	22.98	/	/	24.68	/	/	<=30	Pass	
	Edge_1RB_Right	23.31	/	/	25.01	/	/	<=30	Pass	
	Outer_Full	24.77	/	/	26.47	/	/	<=30	Pass	
	Inner_Full	25.81	/	/	27.51	/	/	<=30	Pass	
DFT-s-OFDM 64 QAM	3715.02	Inner_1RB_Left	25.44	/	/	27.14	/	/	<=30	Pass
		Inner_1RB_Right	25.82	/	/	27.52	/	/	<=30	Pass
		Edge_1RB_Left	22.52	/	/	24.22	/	/	<=30	Pass



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		Edge_1RB_Right	22.94	/	/	24.64	/	/	<=30	Pass
		Outer_Full	23.58	/	/	25.28	/	/	<=30	Pass
		Inner_Full	23.42	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Left	23.47	/	/	25.17	/	/	<=30	Pass
		Inner_1RB_Right	23.87	/	/	25.57	/	/	<=30	Pass
	3750	Edge_1RB_Left	23.01	/	/	24.71	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	24.55	/	/	<=30	Pass
		Outer_Full	23.77	/	/	25.47	/	/	<=30	Pass
		Inner_Full	23.73	/	/	25.43	/	/	<=30	Pass
		Inner_1RB_Left	24.02	/	/	25.72	/	/	<=30	Pass
	3784.98	Inner_1RB_Right	23.87	/	/	25.57	/	/	<=30	Pass
		Edge_1RB_Left	23.10	/	/	24.8	/	/	<=30	Pass
		Edge_1RB_Right	23.50	/	/	25.2	/	/	<=30	Pass
		Outer_Full	24.33	/	/	26.03	/	/	<=30	Pass
		Inner_Full	24.35	/	/	26.05	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3715.02	Inner_1RB_Left	24.11	/	/	25.81	/	/	<=30	Pass
		Inner_1RB_Right	24.51	/	/	26.21	/	/	<=30	Pass
		Edge_1RB_Left	21.27	/	/	22.97	/	/	<=30	Pass
		Edge_1RB_Right	21.83	/	/	23.53	/	/	<=30	Pass
		Outer_Full	21.59	/	/	23.29	/	/	<=30	Pass
	3750	Inner_Full	21.38	/	/	23.08	/	/	<=30	Pass
		Inner_1RB_Left	21.27	/	/	22.97	/	/	<=30	Pass
		Inner_1RB_Right	21.84	/	/	23.54	/	/	<=30	Pass
		Edge_1RB_Left	21.82	/	/	23.52	/	/	<=30	Pass
		Edge_1RB_Right	21.66	/	/	23.36	/	/	<=30	Pass
	3784.98	Outer_Full	21.69	/	/	23.39	/	/	<=30	Pass
		Inner_Full	21.60	/	/	23.3	/	/	<=30	Pass
		Inner_1RB_Left	21.85	/	/	23.55	/	/	<=30	Pass
		Inner_1RB_Right	21.69	/	/	23.39	/	/	<=30	Pass
		Edge_1RB_Left	21.95	/	/	23.65	/	/	<=30	Pass
CP-OFDM QPSK	3715.02	Edge_1RB_Right	22.38	/	/	24.08	/	/	<=30	Pass
		Outer_Full	22.31	/	/	24.01	/	/	<=30	Pass
		Inner_Full	22.31	/	/	24.01	/	/	<=30	Pass
		Inner_1RB_Left	21.96	/	/	23.66	/	/	<=30	Pass
		Inner_1RB_Right	22.37	/	/	24.07	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.47	/	/	24.17	/	/	<=30	Pass
		Edge_1RB_Right	22.89	/	/	24.59	/	/	<=30	Pass
		Outer_Full	23.03	/	/	24.73	/	/	<=30	Pass
		Inner_Full	24.44	/	/	26.14	/	/	<=30	Pass
		Inner_1RB_Left	24.36	/	/	26.06	/	/	<=30	Pass
	3784.98	Inner_1RB_Right	24.92	/	/	26.62	/	/	<=30	Pass
		Edge_1RB_Left	22.95	/	/	24.65	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	24.55	/	/	<=30	Pass
		Outer_Full	23.21	/	/	24.91	/	/	<=30	Pass
		Inner_Full	24.65	/	/	26.35	/	/	<=30	Pass
		Inner_1RB_Left	24.87	/	/	26.57	/	/	<=30	Pass
		Inner_1RB_Right	24.73	/	/	26.43	/	/	<=30	Pass
		Edge_1RB_Left	23.04	/	/	24.74	/	/	<=30	Pass



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		Edge_1RB_Right	23.42	/	/	25.12	/	/	<=30	Pass
		Outer_Full	23.78	/	/	25.48	/	/	<=30	Pass
		Inner_Full	25.26	/	/	26.96	/	/	<=30	Pass
		Inner_1RB_Left	25.01	/	/	26.71	/	/	<=30	Pass
		Inner_1RB_Right	25.37	/	/	27.07	/	/	<=30	Pass
CP-OFDM 16 QAM	3715.02	Edge_1RB_Left	22.18	/	/	23.88	/	/	<=30	Pass
		Edge_1RB_Right	22.71	/	/	24.41	/	/	<=30	Pass
		Outer_Full	23.07	/	/	24.77	/	/	<=30	Pass
		Inner_Full	23.88	/	/	25.58	/	/	<=30	Pass
		Inner_1RB_Left	23.74	/	/	25.44	/	/	<=30	Pass
	3750	Inner_1RB_Right	24.24	/	/	25.94	/	/	<=30	Pass
		Edge_1RB_Left	22.84	/	/	24.54	/	/	<=30	Pass
		Edge_1RB_Right	22.73	/	/	24.43	/	/	<=30	Pass
		Outer_Full	23.26	/	/	24.96	/	/	<=30	Pass
		Inner_Full	24.16	/	/	25.86	/	/	<=30	Pass
	3784.98	Inner_1RB_Left	24.26	/	/	25.96	/	/	<=30	Pass
		Inner_1RB_Right	24.15	/	/	25.85	/	/	<=30	Pass
		Edge_1RB_Left	22.88	/	/	24.58	/	/	<=30	Pass
		Edge_1RB_Right	23.27	/	/	24.97	/	/	<=30	Pass
		Outer_Full	23.83	/	/	25.53	/	/	<=30	Pass
CP-OFDM 64 QAM	3715.02	Inner_Full	24.80	/	/	26.5	/	/	<=30	Pass
		Inner_1RB_Left	24.42	/	/	26.12	/	/	<=30	Pass
		Inner_1RB_Right	24.83	/	/	26.53	/	/	<=30	Pass
		Edge_1RB_Left	22.40	/	/	24.1	/	/	<=30	Pass
		Edge_1RB_Right	22.94	/	/	24.64	/	/	<=30	Pass
	3750	Outer_Full	22.64	/	/	24.34	/	/	<=30	Pass
		Inner_Full	22.42	/	/	24.12	/	/	<=30	Pass
		Inner_1RB_Left	22.42	/	/	24.12	/	/	<=30	Pass
		Inner_1RB_Right	22.94	/	/	24.64	/	/	<=30	Pass
		Edge_1RB_Left	22.94	/	/	24.64	/	/	<=30	Pass
	3784.98	Edge_1RB_Right	22.86	/	/	24.56	/	/	<=30	Pass
		Outer_Full	22.73	/	/	24.43	/	/	<=30	Pass
		Inner_Full	22.72	/	/	24.42	/	/	<=30	Pass
		Inner_1RB_Left	23.00	/	/	24.7	/	/	<=30	Pass
		Inner_1RB_Right	22.84	/	/	24.54	/	/	<=30	Pass
CP-OFDM 256 QAM	3715.02	Edge_1RB_Left	23.12	/	/	24.82	/	/	<=30	Pass
		Edge_1RB_Right	23.52	/	/	25.22	/	/	<=30	Pass
		Outer_Full	23.34	/	/	25.04	/	/	<=30	Pass
		Inner_Full	23.33	/	/	25.03	/	/	<=30	Pass
		Inner_1RB_Left	23.15	/	/	24.85	/	/	<=30	Pass
3750	Inner_1RB_Right	23.50	/	/	25.2	/	/	<=30	Pass	
	Edge_1RB_Left	19.28	/	/	20.98	/	/	<=30	Pass	
	Edge_1RB_Right	19.79	/	/	21.49	/	/	<=30	Pass	
	Outer_Full	19.57	/	/	21.27	/	/	<=30	Pass	
	Inner_Full	19.43	/	/	21.13	/	/	<=30	Pass	
		Inner_1RB_Left	19.31	/	/	21.01	/	/	<=30	Pass
		Inner_1RB_Right	19.75	/	/	21.45	/	/	<=30	Pass
		Edge_1RB_Left	20.00	/	/	21.7	/	/	<=30	Pass



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3784.98	Edge_1RB_Right	19.76	/	/	21.46	/	/	<=30	Pass
	Outer_Full	19.74	/	/	21.44	/	/	<=30	Pass
	Inner_Full	19.68	/	/	21.38	/	/	<=30	Pass
	Inner_1RB_Left	19.95	/	/	21.65	/	/	<=30	Pass
	Inner_1RB_Right	19.81	/	/	21.51	/	/	<=30	Pass
	Edge_1RB_Left	20.05	/	/	21.75	/	/	<=30	Pass
	Edge_1RB_Right	20.36	/	/	22.06	/	/	<=30	Pass
	Outer_Full	20.30	/	/	22	/	/	<=30	Pass
	Inner_Full	20.35	/	/	22.05	/	/	<=30	Pass
	Inner_1RB_Left	20.06	/	/	21.76	/	/	<=30	Pass
Inner_1RB_Right	20.38	/	/	22.08	/	/	<=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 n78a 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	3720	Edge_1RB_Left	22.52	/	/	24.22	/	/	<=30	Pass
		Edge_1RB_Right	22.99	/	/	24.69	/	/	<=30	Pass
		Outer_Full	25.76	/	/	27.46	/	/	<=30	Pass
		Inner_Full	26.23	/	/	27.93	/	/	<=30	Pass
		Inner_1RB_Left	26.03	/	/	27.73	/	/	<=30	Pass
	Inner_1RB_Right	26.45	/	/	28.15	/	/	<=30	Pass	
	3750	Edge_1RB_Left	23.11	/	/	24.81	/	/	<=30	Pass
		Edge_1RB_Right	22.94	/	/	24.64	/	/	<=30	Pass
		Outer_Full	25.72	/	/	27.42	/	/	<=30	Pass
		Inner_Full	26.27	/	/	27.97	/	/	<=30	Pass
		Inner_1RB_Left	26.50	/	/	28.2	/	/	<=30	Pass
	Inner_1RB_Right	26.51	/	/	28.21	/	/	<=30	Pass	
	3780	Edge_1RB_Left	22.86	/	/	24.56	/	/	<=30	Pass
		Edge_1RB_Right	23.29	/	/	24.99	/	/	<=30	Pass
		Outer_Full	26.16	/	/	27.86	/	/	<=30	Pass
Inner_Full		26.68	/	/	28.38	/	/	<=30	Pass	
Inner_1RB_Left		26.34	/	/	28.04	/	/	<=30	Pass	
Inner_1RB_Right	26.97	/	/	28.67	/	/	<=30	Pass		
DFT-s-OFDM QPSK	3720	Edge_1RB_Left	22.58	/	/	24.28	/	/	<=30	Pass
		Edge_1RB_Right	22.96	/	/	24.66	/	/	<=30	Pass
		Outer_Full	25.24	/	/	26.94	/	/	<=30	Pass
		Inner_Full	26.25	/	/	27.95	/	/	<=30	Pass
		Inner_1RB_Left	26.04	/	/	27.74	/	/	<=30	Pass
	Inner_1RB_Right	26.49	/	/	28.19	/	/	<=30	Pass	
3750	Edge_1RB_Left	23.01	/	/	24.71	/	/	<=30	Pass	



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		Edge_1RB_Right	22.98	/	/	24.68	/	/	<=30	Pass
		Outer_Full	25.26	/	/	26.96	/	/	<=30	Pass
		Inner_Full	26.15	/	/	27.85	/	/	<=30	Pass
		Inner_1RB_Left	26.47	/	/	28.17	/	/	<=30	Pass
		Inner_1RB_Right	26.38	/	/	28.08	/	/	<=30	Pass
	3780	Edge_1RB_Left	22.80	/	/	24.5	/	/	<=30	Pass
		Edge_1RB_Right	23.47	/	/	25.17	/	/	<=30	Pass
		Outer_Full	25.65	/	/	27.35	/	/	<=30	Pass
		Inner_Full	26.62	/	/	28.32	/	/	<=30	Pass
		Inner_1RB_Left	26.33	/	/	28.03	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3720	Inner_1RB_Right	26.91	/	/	28.61	/	/	<=30	Pass
		Edge_1RB_Left	22.55	/	/	24.25	/	/	<=30	Pass
		Edge_1RB_Right	22.97	/	/	24.67	/	/	<=30	Pass
		Outer_Full	24.25	/	/	25.95	/	/	<=30	Pass
		Inner_Full	25.24	/	/	26.94	/	/	<=30	Pass
	3750	Inner_1RB_Left	24.88	/	/	26.58	/	/	<=30	Pass
		Inner_1RB_Right	25.27	/	/	26.97	/	/	<=30	Pass
		Edge_1RB_Left	23.00	/	/	24.7	/	/	<=30	Pass
		Edge_1RB_Right	22.79	/	/	24.49	/	/	<=30	Pass
		Outer_Full	24.27	/	/	25.97	/	/	<=30	Pass
3780	Inner_Full	25.14	/	/	26.84	/	/	<=30	Pass	
	Inner_1RB_Left	25.37	/	/	27.07	/	/	<=30	Pass	
	Inner_1RB_Right	25.31	/	/	27.01	/	/	<=30	Pass	
	Edge_1RB_Left	22.70	/	/	24.4	/	/	<=30	Pass	
	Edge_1RB_Right	23.36	/	/	25.06	/	/	<=30	Pass	
DFT-s-OFDM 64 QAM	3720	Outer_Full	24.63	/	/	26.33	/	/	<=30	Pass
		Inner_Full	25.64	/	/	27.34	/	/	<=30	Pass
		Inner_1RB_Left	25.18	/	/	26.88	/	/	<=30	Pass
		Inner_1RB_Right	25.78	/	/	27.48	/	/	<=30	Pass
		Edge_1RB_Left	22.62	/	/	24.32	/	/	<=30	Pass
	3750	Edge_1RB_Right	23.05	/	/	24.75	/	/	<=30	Pass
		Outer_Full	23.79	/	/	25.49	/	/	<=30	Pass
		Inner_Full	23.69	/	/	25.39	/	/	<=30	Pass
		Inner_1RB_Left	23.65	/	/	25.35	/	/	<=30	Pass
		Inner_1RB_Right	24.09	/	/	25.79	/	/	<=30	Pass
3780	Edge_1RB_Left	23.02	/	/	24.72	/	/	<=30	Pass	
	Edge_1RB_Right	22.98	/	/	24.68	/	/	<=30	Pass	
	Outer_Full	23.73	/	/	25.43	/	/	<=30	Pass	
	Inner_Full	23.64	/	/	25.34	/	/	<=30	Pass	
	Inner_1RB_Left	24.06	/	/	25.76	/	/	<=30	Pass	
DFT-s-OFDM 256	3720	Inner_1RB_Right	23.98	/	/	25.68	/	/	<=30	Pass
		Edge_1RB_Left	22.93	/	/	24.63	/	/	<=30	Pass
		Edge_1RB_Right	23.54	/	/	25.24	/	/	<=30	Pass
		Outer_Full	24.19	/	/	25.89	/	/	<=30	Pass
		Inner_Full	24.18	/	/	25.88	/	/	<=30	Pass
		Inner_1RB_Left	23.89	/	/	25.59	/	/	<=30	Pass
		Inner_1RB_Right	24.54	/	/	26.24	/	/	<=30	Pass
		Edge_1RB_Left	21.52	/	/	23.22	/	/	<=30	Pass



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QAM		Edge_1RB_Right	21.88	/	/	23.58	/	/	<=30	Pass
		Outer_Full	21.76	/	/	23.46	/	/	<=30	Pass
		Inner_Full	21.73	/	/	23.43	/	/	<=30	Pass
		Inner_1RB_Left	21.52	/	/	23.22	/	/	<=30	Pass
		Inner_1RB_Right	21.91	/	/	23.61	/	/	<=30	Pass
	3750	Edge_1RB_Left	21.91	/	/	23.61	/	/	<=30	Pass
		Edge_1RB_Right	21.91	/	/	23.61	/	/	<=30	Pass
		Outer_Full	21.83	/	/	23.53	/	/	<=30	Pass
		Inner_Full	21.70	/	/	23.4	/	/	<=30	Pass
		Inner_1RB_Left	21.97	/	/	23.67	/	/	<=30	Pass
	3780	Inner_1RB_Right	21.89	/	/	23.59	/	/	<=30	Pass
		Edge_1RB_Left	21.79	/	/	23.49	/	/	<=30	Pass
		Edge_1RB_Right	22.34	/	/	24.04	/	/	<=30	Pass
		Outer_Full	22.14	/	/	23.84	/	/	<=30	Pass
		Inner_Full	22.21	/	/	23.91	/	/	<=30	Pass
CP-OFDM QPSK	3720	Inner_1RB_Left	21.89	/	/	23.59	/	/	<=30	Pass
		Inner_1RB_Right	22.40	/	/	24.1	/	/	<=30	Pass
		Edge_1RB_Left	22.54	/	/	24.24	/	/	<=30	Pass
		Edge_1RB_Right	23.00	/	/	24.7	/	/	<=30	Pass
		Outer_Full	23.23	/	/	24.93	/	/	<=30	Pass
	3750	Inner_Full	24.74	/	/	26.44	/	/	<=30	Pass
		Inner_1RB_Left	24.57	/	/	26.27	/	/	<=30	Pass
		Inner_1RB_Right	24.88	/	/	26.58	/	/	<=30	Pass
		Edge_1RB_Left	23.02	/	/	24.72	/	/	<=30	Pass
		Edge_1RB_Right	22.96	/	/	24.66	/	/	<=30	Pass
	3780	Outer_Full	23.30	/	/	25	/	/	<=30	Pass
		Inner_Full	24.71	/	/	26.41	/	/	<=30	Pass
		Inner_1RB_Left	25.00	/	/	26.7	/	/	<=30	Pass
		Inner_1RB_Right	24.92	/	/	26.62	/	/	<=30	Pass
		Edge_1RB_Left	22.81	/	/	24.51	/	/	<=30	Pass
	Edge_1RB_Right	23.43	/	/	25.13	/	/	<=30	Pass	
	Outer_Full	23.55	/	/	25.25	/	/	<=30	Pass	
	Inner_Full	25.18	/	/	26.88	/	/	<=30	Pass	
	Inner_1RB_Left	24.79	/	/	26.49	/	/	<=30	Pass	
	Inner_1RB_Right	9.20	/	/	10.9	/	/	<=30	Pass	
CP-OFDM 16 QAM	3720	Edge_1RB_Left	22.55	/	/	24.25	/	/	<=30	Pass
		Edge_1RB_Right	22.86	/	/	24.56	/	/	<=30	Pass
		Outer_Full	23.26	/	/	24.96	/	/	<=30	Pass
		Inner_Full	24.25	/	/	25.95	/	/	<=30	Pass
		Inner_1RB_Left	23.94	/	/	25.64	/	/	<=30	Pass
	3750	Inner_1RB_Right	24.34	/	/	26.04	/	/	<=30	Pass
		Edge_1RB_Left	22.87	/	/	24.57	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	24.54	/	/	<=30	Pass
		Outer_Full	23.29	/	/	24.99	/	/	<=30	Pass
		Inner_Full	24.15	/	/	25.85	/	/	<=30	Pass
	3780	Inner_1RB_Left	24.42	/	/	26.12	/	/	<=30	Pass
		Inner_1RB_Right	24.27	/	/	25.97	/	/	<=30	Pass
		Edge_1RB_Left	22.69	/	/	24.39	/	/	<=30	Pass



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		Edge_1RB_Right	23.32	/	/	25.02	/	/	<=30	Pass
		Outer_Full	23.66	/	/	25.36	/	/	<=30	Pass
		Inner_Full	24.64	/	/	26.34	/	/	<=30	Pass
		Inner_1RB_Left	24.23	/	/	25.93	/	/	<=30	Pass
		Inner_1RB_Right	24.80	/	/	26.5	/	/	<=30	Pass
CP-OFDM 64 QAM	3720	Edge_1RB_Left	22.68	/	/	24.38	/	/	<=30	Pass
		Edge_1RB_Right	23.11	/	/	24.81	/	/	<=30	Pass
		Outer_Full	22.79	/	/	24.49	/	/	<=30	Pass
		Inner_Full	22.78	/	/	24.48	/	/	<=30	Pass
		Inner_1RB_Left	22.66	/	/	24.36	/	/	<=30	Pass
	3750	Inner_1RB_Right	23.03	/	/	24.73	/	/	<=30	Pass
		Edge_1RB_Left	23.01	/	/	24.71	/	/	<=30	Pass
		Edge_1RB_Right	23.00	/	/	24.7	/	/	<=30	Pass
		Outer_Full	22.81	/	/	24.51	/	/	<=30	Pass
		Inner_Full	22.72	/	/	24.42	/	/	<=30	Pass
	3780	Inner_1RB_Left	23.07	/	/	24.77	/	/	<=30	Pass
		Inner_1RB_Right	22.97	/	/	24.67	/	/	<=30	Pass
		Edge_1RB_Left	22.87	/	/	24.57	/	/	<=30	Pass
		Edge_1RB_Right	23.57	/	/	25.27	/	/	<=30	Pass
		Outer_Full	23.21	/	/	24.91	/	/	<=30	Pass
CP-OFDM 256 QAM	3720	Inner_Full	23.16	/	/	24.86	/	/	<=30	Pass
		Inner_1RB_Left	22.85	/	/	24.55	/	/	<=30	Pass
		Inner_1RB_Right	23.55	/	/	25.25	/	/	<=30	Pass
		Edge_1RB_Left	19.48	/	/	21.18	/	/	<=30	Pass
		Edge_1RB_Right	19.94	/	/	21.64	/	/	<=30	Pass
	3750	Outer_Full	19.71	/	/	21.41	/	/	<=30	Pass
		Inner_Full	19.77	/	/	21.47	/	/	<=30	Pass
		Inner_1RB_Left	19.56	/	/	21.26	/	/	<=30	Pass
		Inner_1RB_Right	19.90	/	/	21.6	/	/	<=30	Pass
		Edge_1RB_Left	19.96	/	/	21.66	/	/	<=30	Pass
	3780	Edge_1RB_Right	19.95	/	/	21.65	/	/	<=30	Pass
		Outer_Full	19.73	/	/	21.43	/	/	<=30	Pass
		Inner_Full	19.69	/	/	21.39	/	/	<=30	Pass
		Inner_1RB_Left	20.03	/	/	21.73	/	/	<=30	Pass
		Inner_1RB_Right	19.95	/	/	21.65	/	/	<=30	Pass
		Edge_1RB_Left	19.74	/	/	21.44	/	/	<=30	Pass
		Edge_1RB_Right	20.39	/	/	22.09	/	/	<=30	Pass
		Outer_Full	20.14	/	/	21.84	/	/	<=30	Pass
		Inner_Full	20.15	/	/	21.85	/	/	<=30	Pass
		Inner_1RB_Left	19.84	/	/	21.54	/	/	<=30	Pass
		Inner_1RB_Right	20.55	/	/	22.25	/	/	<=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 n78a SCS=30kHz SISO 50MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3725.01	Edge_1RB_Left	22.12	/	/	23.82	/	/	<=30	Pass
		Edge_1RB_Right	22.39	/	/	24.09	/	/	<=30	Pass
		Outer_Full	24.89	/	/	26.59	/	/	<=30	Pass
		Inner_Full	26.08	/	/	27.78	/	/	<=30	Pass
		Inner_1RB_Left	25.60	/	/	27.3	/	/	<=30	Pass
		Inner_1RB_Right	25.82	/	/	27.52	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.72	/	/	24.42	/	/	<=30	Pass
		Edge_1RB_Right	22.70	/	/	24.4	/	/	<=30	Pass
		Outer_Full	25.57	/	/	27.27	/	/	<=30	Pass
		Inner_Full	26.01	/	/	27.71	/	/	<=30	Pass
		Inner_1RB_Left	26.12	/	/	27.82	/	/	<=30	Pass
		Inner_1RB_Right	26.20	/	/	27.9	/	/	<=30	Pass
	3774.99	Edge_1RB_Left	22.45	/	/	24.15	/	/	<=30	Pass
		Edge_1RB_Right	23.06	/	/	24.76	/	/	<=30	Pass
		Outer_Full	25.84	/	/	27.54	/	/	<=30	Pass
		Inner_Full	26.45	/	/	28.15	/	/	<=30	Pass
		Inner_1RB_Left	25.92	/	/	27.62	/	/	<=30	Pass
		Inner_1RB_Right	26.51	/	/	28.21	/	/	<=30	Pass
DFT-s-OFDM QPSK	3725.01	Edge_1RB_Left	22.12	/	/	23.82	/	/	<=30	Pass
		Edge_1RB_Right	22.41	/	/	24.11	/	/	<=30	Pass
		Outer_Full	24.87	/	/	26.57	/	/	<=30	Pass
		Inner_Full	25.99	/	/	27.69	/	/	<=30	Pass
		Inner_1RB_Left	25.54	/	/	27.24	/	/	<=30	Pass
		Inner_1RB_Right	25.78	/	/	27.48	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.62	/	/	24.32	/	/	<=30	Pass
		Edge_1RB_Right	22.73	/	/	24.43	/	/	<=30	Pass
		Outer_Full	25.07	/	/	26.77	/	/	<=30	Pass
		Inner_Full	26.02	/	/	27.72	/	/	<=30	Pass
		Inner_1RB_Left	26.11	/	/	27.81	/	/	<=30	Pass
		Inner_1RB_Right	26.19	/	/	27.89	/	/	<=30	Pass
	3774.99	Edge_1RB_Left	22.40	/	/	24.1	/	/	<=30	Pass
		Edge_1RB_Right	23.03	/	/	24.73	/	/	<=30	Pass
		Outer_Full	25.35	/	/	27.05	/	/	<=30	Pass
		Inner_Full	26.35	/	/	28.05	/	/	<=30	Pass
		Inner_1RB_Left	25.88	/	/	27.58	/	/	<=30	Pass
		Inner_1RB_Right	26.45	/	/	28.15	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3725.01	Edge_1RB_Left	22.07	/	/	23.77	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	24.02	/	/	<=30	Pass
		Outer_Full	23.94	/	/	25.64	/	/	<=30	Pass
		Inner_Full	25.01	/	/	26.71	/	/	<=30	Pass
		Inner_1RB_Left	24.49	/	/	26.19	/	/	<=30	Pass
		Inner_1RB_Right	24.62	/	/	26.32	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.54	/	/	24.24	/	/	<=30	Pass



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		Edge_1RB_Right	22.65	/	/	24.35	/	/	<=30	Pass
		Outer_Full	24.14	/	/	25.84	/	/	<=30	Pass
		Inner_Full	25.00	/	/	26.7	/	/	<=30	Pass
		Inner_1RB_Left	24.97	/	/	26.67	/	/	<=30	Pass
		Inner_1RB_Right	25.07	/	/	26.77	/	/	<=30	Pass
	3774.99	Edge_1RB_Left	22.44	/	/	24.14	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	24.54	/	/	<=30	Pass
		Outer_Full	24.33	/	/	26.03	/	/	<=30	Pass
		Inner_Full	25.35	/	/	27.05	/	/	<=30	Pass
		Inner_1RB_Left	24.79	/	/	26.49	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3725.01	Inner_1RB_Right	25.37	/	/	27.07	/	/	<=30	Pass
		Edge_1RB_Left	22.21	/	/	23.91	/	/	<=30	Pass
		Edge_1RB_Right	22.47	/	/	24.17	/	/	<=30	Pass
		Outer_Full	23.39	/	/	25.09	/	/	<=30	Pass
		Inner_Full	23.55	/	/	25.25	/	/	<=30	Pass
	3750	Inner_1RB_Left	23.19	/	/	24.89	/	/	<=30	Pass
		Inner_1RB_Right	23.34	/	/	25.04	/	/	<=30	Pass
		Edge_1RB_Left	22.67	/	/	24.37	/	/	<=30	Pass
		Edge_1RB_Right	22.83	/	/	24.53	/	/	<=30	Pass
		Outer_Full	23.60	/	/	25.3	/	/	<=30	Pass
3774.99	Inner_Full	23.57	/	/	25.27	/	/	<=30	Pass	
	Inner_1RB_Left	23.75	/	/	25.45	/	/	<=30	Pass	
	Inner_1RB_Right	23.74	/	/	25.44	/	/	<=30	Pass	
	Edge_1RB_Left	22.51	/	/	24.21	/	/	<=30	Pass	
	Edge_1RB_Right	23.08	/	/	24.78	/	/	<=30	Pass	
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	23.85	/	/	25.55	/	/	<=30	Pass
		Inner_Full	23.90	/	/	25.6	/	/	<=30	Pass
		Inner_1RB_Left	23.47	/	/	25.17	/	/	<=30	Pass
		Inner_1RB_Right	24.06	/	/	25.76	/	/	<=30	Pass
		Edge_1RB_Left	20.99	/	/	22.69	/	/	<=30	Pass
	3750	Edge_1RB_Right	21.27	/	/	22.97	/	/	<=30	Pass
		Outer_Full	21.42	/	/	23.12	/	/	<=30	Pass
		Inner_Full	21.50	/	/	23.2	/	/	<=30	Pass
		Inner_1RB_Left	20.93	/	/	22.63	/	/	<=30	Pass
		Inner_1RB_Right	21.16	/	/	22.86	/	/	<=30	Pass
3774.99	Edge_1RB_Left	21.51	/	/	23.21	/	/	<=30	Pass	
	Edge_1RB_Right	21.65	/	/	23.35	/	/	<=30	Pass	
	Outer_Full	21.65	/	/	23.35	/	/	<=30	Pass	
	Inner_Full	21.55	/	/	23.25	/	/	<=30	Pass	
	Inner_1RB_Left	21.54	/	/	23.24	/	/	<=30	Pass	
3774.99	Inner_1RB_Right	21.72	/	/	23.42	/	/	<=30	Pass	
	Edge_1RB_Left	21.39	/	/	23.09	/	/	<=30	Pass	
	Edge_1RB_Right	21.90	/	/	23.6	/	/	<=30	Pass	
	Outer_Full	21.88	/	/	23.58	/	/	<=30	Pass	
	Inner_Full	21.81	/	/	23.51	/	/	<=30	Pass	
CP-OFDM QPSK	3725.01	Inner_1RB_Left	21.39	/	/	23.09	/	/	<=30	Pass
		Inner_1RB_Right	21.91	/	/	23.61	/	/	<=30	Pass
		Edge_1RB_Left	22.12	/	/	23.82	/	/	<=30	Pass



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		Edge_1RB_Right	22.40	/	/	24.1	/	/	<=30	Pass
		Outer_Full	22.89	/	/	24.59	/	/	<=30	Pass
		Inner_Full	24.48	/	/	26.18	/	/	<=30	Pass
		Inner_1RB_Left	24.05	/	/	25.75	/	/	<=30	Pass
		Inner_1RB_Right	24.36	/	/	26.06	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.78	/	/	24.48	/	/	<=30	Pass
		Edge_1RB_Right	22.80	/	/	24.5	/	/	<=30	Pass
		Outer_Full	23.12	/	/	24.82	/	/	<=30	Pass
		Inner_Full	24.54	/	/	26.24	/	/	<=30	Pass
		Inner_1RB_Left	24.74	/	/	26.44	/	/	<=30	Pass
	3774.99	Inner_1RB_Right	24.74	/	/	26.44	/	/	<=30	Pass
		Edge_1RB_Left	22.51	/	/	24.21	/	/	<=30	Pass
		Edge_1RB_Right	23.10	/	/	24.8	/	/	<=30	Pass
		Outer_Full	23.34	/	/	25.04	/	/	<=30	Pass
		Inner_Full	24.83	/	/	26.53	/	/	<=30	Pass
CP-OFDM 16 QAM	3725.01	Inner_1RB_Left	24.51	/	/	26.21	/	/	<=30	Pass
		Inner_1RB_Right	25.08	/	/	26.78	/	/	<=30	Pass
		Edge_1RB_Left	22.03	/	/	23.73	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	23.94	/	/	<=30	Pass
		Outer_Full	22.87	/	/	24.57	/	/	<=30	Pass
	3750	Inner_Full	24.00	/	/	25.7	/	/	<=30	Pass
		Inner_1RB_Left	23.49	/	/	25.19	/	/	<=30	Pass
		Inner_1RB_Right	23.65	/	/	25.35	/	/	<=30	Pass
		Edge_1RB_Left	22.61	/	/	24.31	/	/	<=30	Pass
		Edge_1RB_Right	22.68	/	/	24.38	/	/	<=30	Pass
	3774.99	Outer_Full	23.10	/	/	24.8	/	/	<=30	Pass
		Inner_Full	24.02	/	/	25.72	/	/	<=30	Pass
		Inner_1RB_Left	24.01	/	/	25.71	/	/	<=30	Pass
		Inner_1RB_Right	15.22	/	/	16.92	/	/	<=30	Pass
		Edge_1RB_Left	22.35	/	/	24.05	/	/	<=30	Pass
CP-OFDM 64 QAM	3725.01	Edge_1RB_Right	23.02	/	/	24.72	/	/	<=30	Pass
		Outer_Full	23.33	/	/	25.03	/	/	<=30	Pass
		Inner_Full	24.35	/	/	26.05	/	/	<=30	Pass
		Inner_1RB_Left	23.81	/	/	25.51	/	/	<=30	Pass
		Inner_1RB_Right	24.40	/	/	26.1	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.17	/	/	23.87	/	/	<=30	Pass
		Edge_1RB_Right	22.42	/	/	24.12	/	/	<=30	Pass
		Outer_Full	22.36	/	/	24.06	/	/	<=30	Pass
		Inner_Full	22.54	/	/	24.24	/	/	<=30	Pass
		Inner_1RB_Left	22.24	/	/	23.94	/	/	<=30	Pass
	3774.99	Inner_1RB_Right	22.33	/	/	24.03	/	/	<=30	Pass
		Edge_1RB_Left	22.67	/	/	24.37	/	/	<=30	Pass
		Edge_1RB_Right	22.77	/	/	24.47	/	/	<=30	Pass
		Outer_Full	22.64	/	/	24.34	/	/	<=30	Pass
		Inner_Full	22.59	/	/	24.29	/	/	<=30	Pass
	3774.99	Inner_1RB_Left	22.72	/	/	24.42	/	/	<=30	Pass
		Inner_1RB_Right	22.76	/	/	24.46	/	/	<=30	Pass
		Edge_1RB_Left	22.45	/	/	24.15	/	/	<=30	Pass



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CP-OFDM 256 QAM	3725.01	Edge_1RB_Right	23.06	/	/	24.76	/	/	<=30	Pass	
		Outer_Full	22.84	/	/	24.54	/	/	<=30	Pass	
		Inner_Full	22.90	/	/	24.6	/	/	<=30	Pass	
		Inner_1RB_Left	22.47	/	/	24.17	/	/	<=30	Pass	
		Inner_1RB_Right	23.06	/	/	24.76	/	/	<=30	Pass	
	3750	Edge_1RB_Left	19.05	/	/	20.75	/	/	<=30	Pass	
		Edge_1RB_Right	19.34	/	/	21.04	/	/	<=30	Pass	
		Outer_Full	19.39	/	/	21.09	/	/	<=30	Pass	
		Inner_Full	19.49	/	/	21.19	/	/	<=30	Pass	
		Inner_1RB_Left	19.08	/	/	20.78	/	/	<=30	Pass	
	3774.99	Inner_1RB_Right	19.37	/	/	21.07	/	/	<=30	Pass	
		Edge_1RB_Left	19.68	/	/	21.38	/	/	<=30	Pass	
		Edge_1RB_Right	19.66	/	/	21.36	/	/	<=30	Pass	
		Outer_Full	19.51	/	/	21.21	/	/	<=30	Pass	
		Inner_Full	19.46	/	/	21.16	/	/	<=30	Pass	
	3774.99	Inner_1RB_Left	19.68	/	/	21.38	/	/	<=30	Pass	
		Inner_1RB_Right	19.63	/	/	21.33	/	/	<=30	Pass	
		Edge_1RB_Left	19.41	/	/	21.11	/	/	<=30	Pass	
		Edge_1RB_Right	20.01	/	/	21.71	/	/	<=30	Pass	
		Outer_Full	19.79	/	/	21.49	/	/	<=30	Pass	
	3774.99	Inner_Full	19.91	/	/	21.61	/	/	<=30	Pass	
		Inner_1RB_Left	19.39	/	/	21.09	/	/	<=30	Pass	
		Inner_1RB_Right	19.99	/	/	21.69	/	/	<=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 n78a SCS=30kHz SISO 60MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Edge_1RB_Left	22.25	/	/	23.95	/	/	<=30	Pass
		Edge_1RB_Right	22.52	/	/	24.22	/	/	<=30	Pass
		Outer_Full	25.48	/	/	27.18	/	/	<=30	Pass
		Inner_Full	26.14	/	/	27.84	/	/	<=30	Pass
		Inner_1RB_Left	25.59	/	/	27.29	/	/	<=30	Pass
	3750	Inner_1RB_Right	25.98	/	/	27.68	/	/	<=30	Pass
		Edge_1RB_Left	22.58	/	/	24.28	/	/	<=30	Pass
		Edge_1RB_Right	22.91	/	/	24.61	/	/	<=30	Pass
		Outer_Full	25.69	/	/	27.39	/	/	<=30	Pass
		Inner_Full	26.04	/	/	27.74	/	/	<=30	Pass
	3769.98	Inner_1RB_Left	25.96	/	/	27.66	/	/	<=30	Pass
		Inner_1RB_Right	26.39	/	/	28.09	/	/	<=30	Pass
		Edge_1RB_Left	22.41	/	/	24.11	/	/	<=30	Pass



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		Edge_1RB_Right	23.07	/	/	24.77	/	/	<=30	Pass
		Outer_Full	25.73	/	/	27.43	/	/	<=30	Pass
		Inner_Full	26.29	/	/	27.99	/	/	<=30	Pass
		Inner_1RB_Left	25.92	/	/	27.62	/	/	<=30	Pass
		Inner_1RB_Right	8.96	/	/	10.66	/	/	<=30	Pass
DFT-s-OFDM QPSK	3730.02	Edge_1RB_Left	22.04	/	/	23.74	/	/	<=30	Pass
		Edge_1RB_Right	22.43	/	/	24.13	/	/	<=30	Pass
		Outer_Full	25.02	/	/	26.72	/	/	<=30	Pass
		Inner_Full	26.19	/	/	27.89	/	/	<=30	Pass
		Inner_1RB_Left	25.58	/	/	27.28	/	/	<=30	Pass
	3750	Inner_1RB_Right	25.91	/	/	27.61	/	/	<=30	Pass
		Edge_1RB_Left	22.45	/	/	24.15	/	/	<=30	Pass
		Edge_1RB_Right	22.94	/	/	24.64	/	/	<=30	Pass
		Outer_Full	25.13	/	/	26.83	/	/	<=30	Pass
		Inner_Full	26.09	/	/	27.79	/	/	<=30	Pass
	3769.98	Inner_1RB_Left	25.93	/	/	27.63	/	/	<=30	Pass
		Inner_1RB_Right	26.40	/	/	28.1	/	/	<=30	Pass
		Edge_1RB_Left	22.39	/	/	24.09	/	/	<=30	Pass
		Edge_1RB_Right	23.03	/	/	24.73	/	/	<=30	Pass
		Outer_Full	25.28	/	/	26.98	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3730.02	Inner_Full	26.21	/	/	27.91	/	/	<=30	Pass
		Inner_1RB_Left	25.92	/	/	27.62	/	/	<=30	Pass
		Inner_1RB_Right	26.52	/	/	28.22	/	/	<=30	Pass
		Edge_1RB_Left	21.99	/	/	23.69	/	/	<=30	Pass
		Edge_1RB_Right	22.29	/	/	23.99	/	/	<=30	Pass
	3750	Outer_Full	24.02	/	/	25.72	/	/	<=30	Pass
		Inner_Full	25.09	/	/	26.79	/	/	<=30	Pass
		Inner_1RB_Left	24.37	/	/	26.07	/	/	<=30	Pass
		Inner_1RB_Right	24.81	/	/	26.51	/	/	<=30	Pass
		Edge_1RB_Left	22.28	/	/	23.98	/	/	<=30	Pass
	3769.98	Edge_1RB_Right	22.79	/	/	24.49	/	/	<=30	Pass
		Outer_Full	24.18	/	/	25.88	/	/	<=30	Pass
		Inner_Full	25.06	/	/	26.76	/	/	<=30	Pass
		Inner_1RB_Left	24.79	/	/	26.49	/	/	<=30	Pass
		Inner_1RB_Right	25.21	/	/	26.91	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3730.02	Edge_1RB_Left	22.26	/	/	23.96	/	/	<=30	Pass
		Edge_1RB_Right	22.86	/	/	24.56	/	/	<=30	Pass
		Outer_Full	24.30	/	/	26	/	/	<=30	Pass
		Inner_Full	25.26	/	/	26.96	/	/	<=30	Pass
		Inner_1RB_Left	24.73	/	/	26.43	/	/	<=30	Pass
3750	Inner_1RB_Right	25.40	/	/	27.1	/	/	<=30	Pass	
	Edge_1RB_Left	22.13	/	/	23.83	/	/	<=30	Pass	
	Edge_1RB_Right	22.44	/	/	24.14	/	/	<=30	Pass	
	Outer_Full	23.56	/	/	25.26	/	/	<=30	Pass	
	Inner_Full	23.63	/	/	25.33	/	/	<=30	Pass	
	3750	Inner_1RB_Left	23.13	/	/	24.83	/	/	<=30	Pass
		Inner_1RB_Right	23.46	/	/	25.16	/	/	<=30	Pass
		Edge_1RB_Left	22.52	/	/	24.22	/	/	<=30	Pass



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		Edge_1RB_Right	23.01	/	/	24.71	/	/	<=30	Pass
		Outer_Full	23.62	/	/	25.32	/	/	<=30	Pass
		Inner_Full	23.54	/	/	25.24	/	/	<=30	Pass
		Inner_1RB_Left	23.55	/	/	25.25	/	/	<=30	Pass
		Inner_1RB_Right	24.03	/	/	25.73	/	/	<=30	Pass
	3769.98	Edge_1RB_Left	22.47	/	/	24.17	/	/	<=30	Pass
		Edge_1RB_Right	23.16	/	/	24.86	/	/	<=30	Pass
		Outer_Full	23.80	/	/	25.5	/	/	<=30	Pass
		Inner_Full	23.79	/	/	25.49	/	/	<=30	Pass
		Inner_1RB_Left	23.46	/	/	25.16	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Inner_1RB_Right	24.22	/	/	25.92	/	/	<=30	Pass
		Edge_1RB_Left	21.06	/	/	22.76	/	/	<=30	Pass
		Edge_1RB_Right	21.29	/	/	22.99	/	/	<=30	Pass
		Outer_Full	21.53	/	/	23.23	/	/	<=30	Pass
		Inner_Full	21.63	/	/	23.33	/	/	<=30	Pass
	3750	Inner_1RB_Left	20.97	/	/	22.67	/	/	<=30	Pass
		Inner_1RB_Right	21.40	/	/	23.1	/	/	<=30	Pass
		Edge_1RB_Left	21.39	/	/	23.09	/	/	<=30	Pass
		Edge_1RB_Right	21.85	/	/	23.55	/	/	<=30	Pass
		Outer_Full	21.71	/	/	23.41	/	/	<=30	Pass
3769.98	Inner_Full	21.53	/	/	23.23	/	/	<=30	Pass	
	Inner_1RB_Left	21.43	/	/	23.13	/	/	<=30	Pass	
	Inner_1RB_Right	21.86	/	/	23.56	/	/	<=30	Pass	
	Edge_1RB_Left	21.34	/	/	23.04	/	/	<=30	Pass	
	Edge_1RB_Right	22.03	/	/	23.73	/	/	<=30	Pass	
CP-OFDM QPSK	3730.02	Outer_Full	21.83	/	/	23.53	/	/	<=30	Pass
		Inner_Full	21.76	/	/	23.46	/	/	<=30	Pass
		Inner_1RB_Left	21.29	/	/	22.99	/	/	<=30	Pass
		Inner_1RB_Right	21.92	/	/	23.62	/	/	<=30	Pass
		Edge_1RB_Left	22.16	/	/	23.86	/	/	<=30	Pass
	3750	Edge_1RB_Right	22.50	/	/	24.2	/	/	<=30	Pass
		Outer_Full	22.99	/	/	24.69	/	/	<=30	Pass
		Inner_Full	24.67	/	/	26.37	/	/	<=30	Pass
		Inner_1RB_Left	24.08	/	/	25.78	/	/	<=30	Pass
		Inner_1RB_Right	24.48	/	/	26.18	/	/	<=30	Pass
3769.98	Edge_1RB_Left	22.39	/	/	24.09	/	/	<=30	Pass	
	Edge_1RB_Right	22.87	/	/	24.57	/	/	<=30	Pass	
	Outer_Full	23.17	/	/	24.87	/	/	<=30	Pass	
	Inner_Full	7.28	/	/	8.98	/	/	<=30	Pass	
	Inner_1RB_Left	9.22	/	/	10.92	/	/	<=30	Pass	
3730.02	Inner_1RB_Right	24.90	/	/	26.6	/	/	<=30	Pass	
	Edge_1RB_Left	22.52	/	/	24.22	/	/	<=30	Pass	
	Edge_1RB_Right	23.15	/	/	24.85	/	/	<=30	Pass	
	Outer_Full	23.32	/	/	25.02	/	/	<=30	Pass	
	Inner_Full	24.77	/	/	26.47	/	/	<=30	Pass	
CP-OFDM 16 QAM	3730.02	Inner_1RB_Left	24.34	/	/	26.04	/	/	<=30	Pass
		Inner_1RB_Right	25.09	/	/	26.79	/	/	<=30	Pass
		Edge_1RB_Left	21.95	/	/	23.65	/	/	<=30	Pass



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		Edge_1RB_Right	22.37	/	/	24.07	/	/	<=30	Pass
		Outer_Full	23.00	/	/	24.7	/	/	<=30	Pass
		Inner_Full	24.13	/	/	25.83	/	/	<=30	Pass
		Inner_1RB_Left	23.47	/	/	25.17	/	/	<=30	Pass
		Inner_1RB_Right	23.87	/	/	25.57	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.35	/	/	24.05	/	/	<=30	Pass
		Edge_1RB_Right	22.86	/	/	24.56	/	/	<=30	Pass
		Outer_Full	23.15	/	/	24.85	/	/	<=30	Pass
		Inner_Full	24.05	/	/	25.75	/	/	<=30	Pass
		Inner_1RB_Left	23.79	/	/	25.49	/	/	<=30	Pass
	3769.98	Inner_1RB_Right	24.33	/	/	26.03	/	/	<=30	Pass
		Edge_1RB_Left	22.32	/	/	24.02	/	/	<=30	Pass
		Edge_1RB_Right	22.96	/	/	24.66	/	/	<=30	Pass
		Outer_Full	23.27	/	/	24.97	/	/	<=30	Pass
		Inner_Full	24.21	/	/	25.91	/	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Inner_1RB_Left	23.71	/	/	25.41	/	/	<=30	Pass
		Inner_1RB_Right	24.47	/	/	26.17	/	/	<=30	Pass
		Edge_1RB_Left	22.09	/	/	23.79	/	/	<=30	Pass
		Edge_1RB_Right	22.55	/	/	24.25	/	/	<=30	Pass
		Outer_Full	22.56	/	/	24.26	/	/	<=30	Pass
	3750	Inner_Full	22.73	/	/	24.43	/	/	<=30	Pass
		Inner_1RB_Left	22.15	/	/	23.85	/	/	<=30	Pass
		Inner_1RB_Right	22.47	/	/	24.17	/	/	<=30	Pass
		Edge_1RB_Left	22.46	/	/	24.16	/	/	<=30	Pass
		Edge_1RB_Right	22.99	/	/	24.69	/	/	<=30	Pass
	3769.98	Outer_Full	22.69	/	/	24.39	/	/	<=30	Pass
		Inner_Full	22.57	/	/	24.27	/	/	<=30	Pass
		Inner_1RB_Left	22.55	/	/	24.25	/	/	<=30	Pass
		Inner_1RB_Right	22.93	/	/	24.63	/	/	<=30	Pass
		Edge_1RB_Left	22.36	/	/	24.06	/	/	<=30	Pass
CP-OFDM 256 QAM	3730.02	Edge_1RB_Right	22.97	/	/	24.67	/	/	<=30	Pass
		Outer_Full	22.80	/	/	24.5	/	/	<=30	Pass
		Inner_Full	22.74	/	/	24.44	/	/	<=30	Pass
		Inner_1RB_Left	22.36	/	/	24.06	/	/	<=30	Pass
		Inner_1RB_Right	23.04	/	/	24.74	/	/	<=30	Pass
	3750	Edge_1RB_Left	18.98	/	/	20.68	/	/	<=30	Pass
		Edge_1RB_Right	19.44	/	/	21.14	/	/	<=30	Pass
		Outer_Full	19.57	/	/	21.27	/	/	<=30	Pass
		Inner_Full	19.65	/	/	21.35	/	/	<=30	Pass
		Inner_1RB_Left	18.98	/	/	20.68	/	/	<=30	Pass
	3769.98	Inner_1RB_Right	19.53	/	/	21.23	/	/	<=30	Pass
		Edge_1RB_Left	19.41	/	/	21.11	/	/	<=30	Pass
		Edge_1RB_Right	19.93	/	/	21.63	/	/	<=30	Pass
		Outer_Full	19.66	/	/	21.36	/	/	<=30	Pass
		Inner_Full	19.51	/	/	21.21	/	/	<=30	Pass
		Inner_1RB_Left	19.50	/	/	21.2	/	/	<=30	Pass
		Inner_1RB_Right	19.97	/	/	21.67	/	/	<=30	Pass
		Edge_1RB_Left	19.37	/	/	21.07	/	/	<=30	Pass



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	Edge_1RB_Right	20.05	/	/	21.75	/	/	<=30	Pass
	Outer_Full	19.80	/	/	21.5	/	/	<=30	Pass
	Inner_Full	19.79	/	/	21.49	/	/	<=30	Pass
	Inner_1RB_Left	19.52	/	/	21.22	/	/	<=30	Pass
	Inner_1RB_Right	20.09	/	/	21.79	/	/	<=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 n78a SCS=30kHz SISO 70MHz 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	3735	Edge_1RB_Left	22.10	/	/	23.8	/	/	<=30	Pass
		Edge_1RB_Right	22.52	/	/	24.22	/	/	<=30	Pass
		Outer_Full	25.39	/	/	27.09	/	/	<=30	Pass
		Inner_Full	26.00	/	/	27.7	/	/	<=30	Pass
		Inner_1RB_Left	25.58	/	/	27.28	/	/	<=30	Pass
		Inner_1RB_Right	26.05	/	/	27.75	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.24	/	/	23.94	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	24.55	/	/	<=30	Pass
		Outer_Full	25.52	/	/	27.22	/	/	<=30	Pass
		Inner_Full	26.05	/	/	27.75	/	/	<=30	Pass
		Inner_1RB_Left	25.78	/	/	27.48	/	/	<=30	Pass
		Inner_1RB_Right	26.40	/	/	28.1	/	/	<=30	Pass
	3765	Edge_1RB_Left	22.61	/	/	24.31	/	/	<=30	Pass
		Edge_1RB_Right	22.79	/	/	24.49	/	/	<=30	Pass
		Outer_Full	25.58	/	/	27.28	/	/	<=30	Pass
		Inner_Full	25.98	/	/	27.68	/	/	<=30	Pass
		Inner_1RB_Left	26.11	/	/	27.81	/	/	<=30	Pass
		Inner_1RB_Right	26.30	/	/	28	/	/	<=30	Pass
DFT-s-OFDM QPSK	3735	Edge_1RB_Left	22.07	/	/	23.77	/	/	<=30	Pass
		Edge_1RB_Right	22.55	/	/	24.25	/	/	<=30	Pass
		Outer_Full	24.91	/	/	26.61	/	/	<=30	Pass
		Inner_Full	25.99	/	/	27.69	/	/	<=30	Pass
		Inner_1RB_Left	25.62	/	/	27.32	/	/	<=30	Pass
		Inner_1RB_Right	26.03	/	/	27.73	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.21	/	/	23.91	/	/	<=30	Pass
		Edge_1RB_Right	22.87	/	/	24.57	/	/	<=30	Pass
		Outer_Full	25.12	/	/	26.82	/	/	<=30	Pass
		Inner_Full	26.07	/	/	27.77	/	/	<=30	Pass
		Inner_1RB_Left	25.78	/	/	27.48	/	/	<=30	Pass
		Inner_1RB_Right	26.33	/	/	28.03	/	/	<=30	Pass
	3765	Edge_1RB_Left	22.69	/	/	24.39	/	/	<=30	Pass



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DFT-s-OFDM 16 QAM	3735	Edge_1RB_Right	22.83	/	/	24.53	/	/	<=30	Pass	
		Outer_Full	25.05	/	/	26.75	/	/	<=30	Pass	
		Inner_Full	25.96	/	/	27.66	/	/	<=30	Pass	
		Inner_1RB_Left	26.12	/	/	27.82	/	/	<=30	Pass	
		Inner_1RB_Right	26.27	/	/	27.97	/	/	<=30	Pass	
	3750	Edge_1RB_Left	21.93	/	/	23.63	/	/	<=30	Pass	
		Edge_1RB_Right	22.41	/	/	24.11	/	/	<=30	Pass	
		Outer_Full	23.90	/	/	25.6	/	/	<=30	Pass	
		Inner_Full	24.95	/	/	26.65	/	/	<=30	Pass	
		Inner_1RB_Left	24.52	/	/	26.22	/	/	<=30	Pass	
		Inner_1RB_Right	24.93	/	/	26.63	/	/	<=30	Pass	
		3765	Edge_1RB_Left	22.16	/	/	23.86	/	/	<=30	Pass
			Edge_1RB_Right	22.79	/	/	24.49	/	/	<=30	Pass
			Outer_Full	24.10	/	/	25.8	/	/	<=30	Pass
			Inner_Full	25.00	/	/	26.7	/	/	<=30	Pass
Inner_1RB_Left	24.64		/	/	26.34	/	/	<=30	Pass		
DFT-s-OFDM 64 QAM	3735	Inner_1RB_Right	25.23	/	/	26.93	/	/	<=30	Pass	
		Edge_1RB_Left	22.50	/	/	24.2	/	/	<=30	Pass	
		Edge_1RB_Right	22.71	/	/	24.41	/	/	<=30	Pass	
		Outer_Full	24.09	/	/	25.79	/	/	<=30	Pass	
		Inner_Full	24.95	/	/	26.65	/	/	<=30	Pass	
	3750	Inner_1RB_Left	25.04	/	/	26.74	/	/	<=30	Pass	
		Inner_1RB_Right	25.23	/	/	26.93	/	/	<=30	Pass	
		Edge_1RB_Left	22.07	/	/	23.77	/	/	<=30	Pass	
		Edge_1RB_Right	22.65	/	/	24.35	/	/	<=30	Pass	
		Outer_Full	23.46	/	/	25.16	/	/	<=30	Pass	
		Inner_Full	23.55	/	/	25.25	/	/	<=30	Pass	
		Inner_1RB_Left	23.10	/	/	24.8	/	/	<=30	Pass	
		Inner_1RB_Right	23.67	/	/	25.37	/	/	<=30	Pass	
		3765	Edge_1RB_Left	22.30	/	/	24	/	/	<=30	Pass
			Edge_1RB_Right	22.94	/	/	24.64	/	/	<=30	Pass
Outer_Full	23.67		/	/	25.37	/	/	<=30	Pass		
Inner_Full	23.49		/	/	25.19	/	/	<=30	Pass		
Inner_1RB_Left	23.41		/	/	25.11	/	/	<=30	Pass		
3765	Inner_1RB_Right	24.00	/	/	25.7	/	/	<=30	Pass		
	Edge_1RB_Left	22.61	/	/	24.31	/	/	<=30	Pass		
	Edge_1RB_Right	22.85	/	/	24.55	/	/	<=30	Pass		
	Outer_Full	23.55	/	/	25.25	/	/	<=30	Pass		
	Inner_Full	23.53	/	/	25.23	/	/	<=30	Pass		
DFT-s-OFDM 256 QAM	3735	Inner_1RB_Left	23.76	/	/	25.46	/	/	<=30	Pass	
		Inner_1RB_Right	23.85	/	/	25.55	/	/	<=30	Pass	
		Edge_1RB_Left	20.99	/	/	22.69	/	/	<=30	Pass	
		Edge_1RB_Right	21.61	/	/	23.31	/	/	<=30	Pass	
		Outer_Full	21.45	/	/	23.15	/	/	<=30	Pass	
	3750	Inner_Full	21.63	/	/	23.33	/	/	<=30	Pass	
		Inner_1RB_Left	20.95	/	/	22.65	/	/	<=30	Pass	
		Inner_1RB_Right	21.50	/	/	23.2	/	/	<=30	Pass	
		Edge_1RB_Left	21.20	/	/	22.9	/	/	<=30	Pass	



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		Edge_1RB_Right	21.83	/	/	23.53	/	/	<=30	Pass
		Outer_Full	21.49	/	/	23.19	/	/	<=30	Pass
		Inner_Full	21.53	/	/	23.23	/	/	<=30	Pass
		Inner_1RB_Left	21.23	/	/	22.93	/	/	<=30	Pass
		Inner_1RB_Right	21.91	/	/	23.61	/	/	<=30	Pass
	3765	Edge_1RB_Left	21.57	/	/	23.27	/	/	<=30	Pass
		Edge_1RB_Right	21.73	/	/	23.43	/	/	<=30	Pass
		Outer_Full	21.50	/	/	23.2	/	/	<=30	Pass
		Inner_Full	21.49	/	/	23.19	/	/	<=30	Pass
		Inner_1RB_Left	21.58	/	/	23.28	/	/	<=30	Pass
CP-OFDM QPSK	3735	Inner_1RB_Right	21.71	/	/	23.41	/	/	<=30	Pass
		Edge_1RB_Left	22.08	/	/	23.78	/	/	<=30	Pass
		Edge_1RB_Right	22.66	/	/	24.36	/	/	<=30	Pass
		Outer_Full	22.93	/	/	24.63	/	/	<=30	Pass
		Inner_Full	24.56	/	/	26.26	/	/	<=30	Pass
	3750	Inner_1RB_Left	23.97	/	/	25.67	/	/	<=30	Pass
		Inner_1RB_Right	24.48	/	/	26.18	/	/	<=30	Pass
		Edge_1RB_Left	22.29	/	/	23.99	/	/	<=30	Pass
		Edge_1RB_Right	23.03	/	/	24.73	/	/	<=30	Pass
		Outer_Full	23.11	/	/	24.81	/	/	<=30	Pass
3765	Inner_Full	24.51	/	/	26.21	/	/	<=30	Pass	
	Inner_1RB_Left	24.37	/	/	26.07	/	/	<=30	Pass	
	Inner_1RB_Right	25.04	/	/	26.74	/	/	<=30	Pass	
	Edge_1RB_Left	22.57	/	/	24.27	/	/	<=30	Pass	
	Edge_1RB_Right	22.85	/	/	24.55	/	/	<=30	Pass	
CP-OFDM 16 QAM	3735	Outer_Full	23.19	/	/	24.89	/	/	<=30	Pass
		Inner_Full	24.57	/	/	26.27	/	/	<=30	Pass
		Inner_1RB_Left	24.63	/	/	26.33	/	/	<=30	Pass
		Inner_1RB_Right	24.75	/	/	26.45	/	/	<=30	Pass
		Edge_1RB_Left	21.93	/	/	23.63	/	/	<=30	Pass
	3750	Edge_1RB_Right	22.48	/	/	24.18	/	/	<=30	Pass
		Outer_Full	22.92	/	/	24.62	/	/	<=30	Pass
		Inner_Full	24.04	/	/	25.74	/	/	<=30	Pass
		Inner_1RB_Left	23.52	/	/	25.22	/	/	<=30	Pass
		Inner_1RB_Right	23.90	/	/	25.6	/	/	<=30	Pass
	3765	Edge_1RB_Left	22.18	/	/	23.88	/	/	<=30	Pass
		Edge_1RB_Right	22.76	/	/	24.46	/	/	<=30	Pass
		Outer_Full	23.13	/	/	24.83	/	/	<=30	Pass
		Inner_Full	24.05	/	/	25.75	/	/	<=30	Pass
		Inner_1RB_Left	23.69	/	/	25.39	/	/	<=30	Pass
3735	Inner_1RB_Right	24.20	/	/	25.9	/	/	<=30	Pass	
	Edge_1RB_Left	22.49	/	/	24.19	/	/	<=30	Pass	
	Edge_1RB_Right	22.66	/	/	24.36	/	/	<=30	Pass	
	Outer_Full	23.22	/	/	24.92	/	/	<=30	Pass	
	Inner_Full	24.08	/	/	25.78	/	/	<=30	Pass	
CP-OFDM 64 QAM	3735	Inner_1RB_Left	24.02	/	/	25.72	/	/	<=30	Pass
		Inner_1RB_Right	24.16	/	/	25.86	/	/	<=30	Pass
		Edge_1RB_Left	22.10	/	/	23.8	/	/	<=30	Pass



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		Edge_1RB_Right	22.57	/	/	24.27	/	/	<=30	Pass
		Outer_Full	22.41	/	/	24.11	/	/	<=30	Pass
		Inner_Full	22.52	/	/	24.22	/	/	<=30	Pass
		Inner_1RB_Left	22.15	/	/	23.85	/	/	<=30	Pass
		Inner_1RB_Right	22.59	/	/	24.29	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.32	/	/	24.02	/	/	<=30	Pass
		Edge_1RB_Right	22.93	/	/	24.63	/	/	<=30	Pass
		Outer_Full	22.70	/	/	24.4	/	/	<=30	Pass
		Inner_Full	22.56	/	/	24.26	/	/	<=30	Pass
		Inner_1RB_Left	22.43	/	/	24.13	/	/	<=30	Pass
	3765	Inner_1RB_Right	22.94	/	/	24.64	/	/	<=30	Pass
		Edge_1RB_Left	22.64	/	/	24.34	/	/	<=30	Pass
		Edge_1RB_Right	22.83	/	/	24.53	/	/	<=30	Pass
		Outer_Full	22.67	/	/	24.37	/	/	<=30	Pass
		Inner_Full	22.63	/	/	24.33	/	/	<=30	Pass
CP-OFDM 256 QAM	3735	Inner_1RB_Left	22.63	/	/	24.33	/	/	<=30	Pass
		Inner_1RB_Right	22.73	/	/	24.43	/	/	<=30	Pass
		Edge_1RB_Left	19.04	/	/	20.74	/	/	<=30	Pass
		Edge_1RB_Right	19.52	/	/	21.22	/	/	<=30	Pass
		Outer_Full	19.43	/	/	21.13	/	/	<=30	Pass
	3750	Inner_Full	19.55	/	/	21.25	/	/	<=30	Pass
		Inner_1RB_Left	19.07	/	/	20.77	/	/	<=30	Pass
		Inner_1RB_Right	19.48	/	/	21.18	/	/	<=30	Pass
		Edge_1RB_Left	19.23	/	/	20.93	/	/	<=30	Pass
		Edge_1RB_Right	19.90	/	/	21.6	/	/	<=30	Pass
	3765	Outer_Full	19.61	/	/	21.31	/	/	<=30	Pass
		Inner_Full	19.55	/	/	21.25	/	/	<=30	Pass
		Inner_1RB_Left	19.20	/	/	20.9	/	/	<=30	Pass
		Inner_1RB_Right	19.91	/	/	21.61	/	/	<=30	Pass
		Edge_1RB_Left	19.55	/	/	21.25	/	/	<=30	Pass
	Edge_1RB_Right	19.77	/	/	21.47	/	/	<=30	Pass	
	Outer_Full	19.66	/	/	21.36	/	/	<=30	Pass	
	Inner_Full	19.57	/	/	21.27	/	/	<=30	Pass	
	Inner_1RB_Left	19.67	/	/	21.37	/	/	<=30	Pass	
	Inner_1RB_Right	19.78	/	/	21.48	/	/	<=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 n78a SCS=30kHz SISO 80MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2	3740.01	Edge_1RB_Left	22.21	/	/	23.91	/	/	<=30	Pass



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BPSK		Edge_1RB_Right	22.87	/	/	24.57	/	/	<=30	Pass
		Outer_Full	25.46	/	/	27.16	/	/	<=30	Pass
		Inner_Full	26.04	/	/	27.74	/	/	<=30	Pass
		Inner_1RB_Left	25.51	/	/	27.21	/	/	<=30	Pass
		Inner_1RB_Right	26.28	/	/	27.98	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.10	/	/	23.8	/	/	<=30	Pass
		Edge_1RB_Right	22.99	/	/	24.69	/	/	<=30	Pass
		Outer_Full	25.62	/	/	27.32	/	/	<=30	Pass
		Inner_Full	26.04	/	/	27.74	/	/	<=30	Pass
		Inner_1RB_Left	25.60	/	/	27.3	/	/	<=30	Pass
	3759.99	Inner_1RB_Right	26.38	/	/	28.08	/	/	<=30	Pass
		Edge_1RB_Left	22.46	/	/	24.16	/	/	<=30	Pass
		Edge_1RB_Right	22.95	/	/	24.65	/	/	<=30	Pass
		Outer_Full	25.68	/	/	27.38	/	/	<=30	Pass
		Inner_Full	26.06	/	/	27.76	/	/	<=30	Pass
DFT-s-OFDM QPSK	3740.01	Inner_1RB_Left	25.96	/	/	27.66	/	/	<=30	Pass
		Inner_1RB_Right	26.42	/	/	28.12	/	/	<=30	Pass
		Edge_1RB_Left	22.08	/	/	23.78	/	/	<=30	Pass
		Edge_1RB_Right	22.87	/	/	24.57	/	/	<=30	Pass
		Outer_Full	24.93	/	/	26.63	/	/	<=30	Pass
	3750	Inner_Full	26.15	/	/	27.85	/	/	<=30	Pass
		Inner_1RB_Left	25.57	/	/	27.27	/	/	<=30	Pass
		Inner_1RB_Right	26.29	/	/	27.99	/	/	<=30	Pass
		Edge_1RB_Left	22.06	/	/	23.76	/	/	<=30	Pass
		Edge_1RB_Right	22.91	/	/	24.61	/	/	<=30	Pass
	3759.99	Outer_Full	25.07	/	/	26.77	/	/	<=30	Pass
		Inner_Full	26.08	/	/	27.78	/	/	<=30	Pass
		Inner_1RB_Left	25.62	/	/	27.32	/	/	<=30	Pass
		Inner_1RB_Right	26.44	/	/	28.14	/	/	<=30	Pass
		Edge_1RB_Left	22.38	/	/	24.08	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Edge_1RB_Right	22.83	/	/	24.53	/	/	<=30	Pass
		Outer_Full	25.21	/	/	26.91	/	/	<=30	Pass
		Inner_Full	26.08	/	/	27.78	/	/	<=30	Pass
		Inner_1RB_Left	25.97	/	/	27.67	/	/	<=30	Pass
		Inner_1RB_Right	26.42	/	/	28.12	/	/	<=30	Pass
3750	Edge_1RB_Left	21.92	/	/	23.62	/	/	<=30	Pass	
	Edge_1RB_Right	22.76	/	/	24.46	/	/	<=30	Pass	
	Outer_Full	23.92	/	/	25.62	/	/	<=30	Pass	
	Inner_Full	25.02	/	/	26.72	/	/	<=30	Pass	
	Inner_1RB_Left	24.44	/	/	26.14	/	/	<=30	Pass	
3759.99	Inner_1RB_Right	25.18	/	/	26.88	/	/	<=30	Pass	
	Edge_1RB_Left	22.00	/	/	23.7	/	/	<=30	Pass	
	Edge_1RB_Right	22.76	/	/	24.46	/	/	<=30	Pass	
	Outer_Full	24.08	/	/	25.78	/	/	<=30	Pass	
	Inner_Full	25.08	/	/	26.78	/	/	<=30	Pass	
	3750	Inner_1RB_Left	24.46	/	/	26.16	/	/	<=30	Pass
		Inner_1RB_Right	25.30	/	/	27	/	/	<=30	Pass
		Edge_1RB_Left	22.22	/	/	23.92	/	/	<=30	Pass



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DFT-s-OFDM 64 QAM	3740.01	Edge_1RB_Right	22.72	/	/	24.42	/	/	<=30	Pass
		Outer_Full	24.11	/	/	25.81	/	/	<=30	Pass
		Inner_Full	25.00	/	/	26.7	/	/	<=30	Pass
		Inner_1RB_Left	24.78	/	/	26.48	/	/	<=30	Pass
		Inner_1RB_Right	25.21	/	/	26.91	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.13	/	/	23.83	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	24.55	/	/	<=30	Pass
		Outer_Full	23.47	/	/	25.17	/	/	<=30	Pass
		Inner_Full	23.53	/	/	25.23	/	/	<=30	Pass
		Inner_1RB_Left	23.12	/	/	24.82	/	/	<=30	Pass
	3759.99	Inner_1RB_Right	23.89	/	/	25.59	/	/	<=30	Pass
		Edge_1RB_Left	22.25	/	/	23.95	/	/	<=30	Pass
		Edge_1RB_Right	23.08	/	/	24.78	/	/	<=30	Pass
		Outer_Full	23.65	/	/	25.35	/	/	<=30	Pass
		Inner_Full	23.62	/	/	25.32	/	/	<=30	Pass
3740.01	Inner_1RB_Left	23.31	/	/	25.01	/	/	<=30	Pass	
	Inner_1RB_Right	24.00	/	/	25.7	/	/	<=30	Pass	
	Edge_1RB_Left	22.53	/	/	24.23	/	/	<=30	Pass	
	Edge_1RB_Right	22.91	/	/	24.61	/	/	<=30	Pass	
	Outer_Full	23.70	/	/	25.4	/	/	<=30	Pass	
DFT-s-OFDM 256 QAM	3740.01	Inner_Full	23.53	/	/	25.23	/	/	<=30	Pass
		Inner_1RB_Left	23.52	/	/	25.22	/	/	<=30	Pass
		Inner_1RB_Right	23.98	/	/	25.68	/	/	<=30	Pass
		Edge_1RB_Left	20.91	/	/	22.61	/	/	<=30	Pass
		Edge_1RB_Right	21.73	/	/	23.43	/	/	<=30	Pass
	3750	Outer_Full	21.47	/	/	23.17	/	/	<=30	Pass
		Inner_Full	21.54	/	/	23.24	/	/	<=30	Pass
		Inner_1RB_Left	20.93	/	/	22.63	/	/	<=30	Pass
		Inner_1RB_Right	21.71	/	/	23.41	/	/	<=30	Pass
		Edge_1RB_Left	21.04	/	/	22.74	/	/	<=30	Pass
	3759.99	Edge_1RB_Right	21.85	/	/	23.55	/	/	<=30	Pass
		Outer_Full	21.63	/	/	23.33	/	/	<=30	Pass
		Inner_Full	21.60	/	/	23.3	/	/	<=30	Pass
		Inner_1RB_Left	20.97	/	/	22.67	/	/	<=30	Pass
		Inner_1RB_Right	21.86	/	/	23.56	/	/	<=30	Pass
3740.01	Edge_1RB_Left	21.37	/	/	23.07	/	/	<=30	Pass	
	Edge_1RB_Right	21.87	/	/	23.57	/	/	<=30	Pass	
	Outer_Full	21.68	/	/	23.38	/	/	<=30	Pass	
	Inner_Full	21.53	/	/	23.23	/	/	<=30	Pass	
	Inner_1RB_Left	21.41	/	/	23.11	/	/	<=30	Pass	
CP-OFDM QPSK	3740.01	Inner_1RB_Right	21.82	/	/	23.52	/	/	<=30	Pass
		Edge_1RB_Left	22.11	/	/	23.81	/	/	<=30	Pass
		Edge_1RB_Right	22.82	/	/	24.52	/	/	<=30	Pass
		Outer_Full	22.95	/	/	24.65	/	/	<=30	Pass
		Inner_Full	24.56	/	/	26.26	/	/	<=30	Pass
	3750	Inner_1RB_Left	24.14	/	/	25.84	/	/	<=30	Pass
		Inner_1RB_Right	24.88	/	/	26.58	/	/	<=30	Pass
		Edge_1RB_Left	22.11	/	/	23.81	/	/	<=30	Pass



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		Edge_1RB_Right	22.94	/	/	24.64	/	/	<=30	Pass
		Outer_Full	23.16	/	/	24.86	/	/	<=30	Pass
		Inner_Full	24.49	/	/	26.19	/	/	<=30	Pass
		Inner_1RB_Left	24.16	/	/	25.86	/	/	<=30	Pass
		Inner_1RB_Right	24.96	/	/	26.66	/	/	<=30	Pass
		Edge_1RB_Left	22.55	/	/	24.25	/	/	<=30	Pass
		Edge_1RB_Right	22.95	/	/	24.65	/	/	<=30	Pass
		Outer_Full	23.23	/	/	24.93	/	/	<=30	Pass
		Inner_Full	24.64	/	/	26.34	/	/	<=30	Pass
		Inner_1RB_Left	24.49	/	/	26.19	/	/	<=30	Pass
Inner_1RB_Right	24.91	/	/	26.61	/	/	<=30	Pass		
CP-OFDM 16 QAM	3740.01	Edge_1RB_Left	21.96	/	/	23.66	/	/	<=30	Pass
		Edge_1RB_Right	22.79	/	/	24.49	/	/	<=30	Pass
		Outer_Full	22.99	/	/	24.69	/	/	<=30	Pass
		Inner_Full	24.08	/	/	25.78	/	/	<=30	Pass
		Inner_1RB_Left	23.50	/	/	25.2	/	/	<=30	Pass
		Inner_1RB_Right	24.25	/	/	25.95	/	/	<=30	Pass
	3750	Edge_1RB_Left	21.90	/	/	23.6	/	/	<=30	Pass
		Edge_1RB_Right	22.92	/	/	24.62	/	/	<=30	Pass
		Outer_Full	23.13	/	/	24.83	/	/	<=30	Pass
		Inner_Full	24.05	/	/	25.75	/	/	<=30	Pass
		Inner_1RB_Left	23.47	/	/	25.17	/	/	<=30	Pass
		Inner_1RB_Right	24.37	/	/	26.07	/	/	<=30	Pass
	3759.99	Edge_1RB_Left	22.24	/	/	23.94	/	/	<=30	Pass
		Edge_1RB_Right	22.77	/	/	24.47	/	/	<=30	Pass
		Outer_Full	23.20	/	/	24.9	/	/	<=30	Pass
		Inner_Full	24.03	/	/	25.73	/	/	<=30	Pass
		Inner_1RB_Left	23.84	/	/	25.54	/	/	<=30	Pass
		Inner_1RB_Right	24.35	/	/	26.05	/	/	<=30	Pass
CP-OFDM 64 QAM	3740.01	Edge_1RB_Left	22.18	/	/	23.88	/	/	<=30	Pass
		Edge_1RB_Right	22.92	/	/	24.62	/	/	<=30	Pass
		Outer_Full	22.49	/	/	24.19	/	/	<=30	Pass
		Inner_Full	22.53	/	/	24.23	/	/	<=30	Pass
		Inner_1RB_Left	22.13	/	/	23.83	/	/	<=30	Pass
		Inner_1RB_Right	22.82	/	/	24.52	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.15	/	/	23.85	/	/	<=30	Pass
		Edge_1RB_Right	23.05	/	/	24.75	/	/	<=30	Pass
		Outer_Full	22.64	/	/	24.34	/	/	<=30	Pass
		Inner_Full	22.56	/	/	24.26	/	/	<=30	Pass
		Inner_1RB_Left	22.17	/	/	23.87	/	/	<=30	Pass
		Inner_1RB_Right	23.07	/	/	24.77	/	/	<=30	Pass
	3759.99	Edge_1RB_Left	22.50	/	/	24.2	/	/	<=30	Pass
		Edge_1RB_Right	22.97	/	/	24.67	/	/	<=30	Pass
		Outer_Full	22.71	/	/	24.41	/	/	<=30	Pass
		Inner_Full	22.52	/	/	24.22	/	/	<=30	Pass
		Inner_1RB_Left	22.54	/	/	24.24	/	/	<=30	Pass
		Inner_1RB_Right	22.97	/	/	24.67	/	/	<=30	Pass
CP-OFDM 256 QAM	3740.01	Edge_1RB_Left	19.08	/	/	20.78	/	/	<=30	Pass



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		Edge_1RB_Right	19.89	/	/	21.59	/	/	<=30	Pass
		Outer_Full	19.52	/	/	21.22	/	/	<=30	Pass
		Inner_Full	19.59	/	/	21.29	/	/	<=30	Pass
		Inner_1RB_Left	19.09	/	/	20.79	/	/	<=30	Pass
		Inner_1RB_Right	19.83	/	/	21.53	/	/	<=30	Pass
	3750	Edge_1RB_Left	19.05	/	/	20.75	/	/	<=30	Pass
		Edge_1RB_Right	19.98	/	/	21.68	/	/	<=30	Pass
		Outer_Full	19.54	/	/	21.24	/	/	<=30	Pass
		Inner_Full	19.63	/	/	21.33	/	/	<=30	Pass
		Inner_1RB_Left	19.13	/	/	20.83	/	/	<=30	Pass
	3759.99	Inner_1RB_Right	19.93	/	/	21.63	/	/	<=30	Pass
		Edge_1RB_Left	19.50	/	/	21.2	/	/	<=30	Pass
		Edge_1RB_Right	19.89	/	/	21.59	/	/	<=30	Pass
		Outer_Full	19.67	/	/	21.37	/	/	<=30	Pass
		Inner_Full	19.64	/	/	21.34	/	/	<=30	Pass
		Inner_1RB_Left	19.42	/	/	21.12	/	/	<=30	Pass
		Inner_1RB_Right	19.91	/	/	21.61	/	/	<=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 n78a SCS=30kHz SISO 90MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3745.02	Edge_1RB_Left	22.01	/	/	23.71	/	/	<=30	Pass
		Edge_1RB_Right	23.01	/	/	24.71	/	/	<=30	Pass
		Outer_Full	25.44	/	/	27.14	/	/	<=30	Pass
		Inner_Full	25.95	/	/	27.65	/	/	<=30	Pass
		Inner_1RB_Left	25.47	/	/	27.17	/	/	<=30	Pass
		Inner_1RB_Right	26.47	/	/	28.17	/	/	<=30	Pass
	3750	Edge_1RB_Left	21.99	/	/	23.69	/	/	<=30	Pass
		Edge_1RB_Right	23.01	/	/	24.71	/	/	<=30	Pass
		Outer_Full	25.62	/	/	27.32	/	/	<=30	Pass
		Inner_Full	26.07	/	/	27.77	/	/	<=30	Pass
		Inner_1RB_Left	25.44	/	/	27.14	/	/	<=30	Pass
		Inner_1RB_Right	26.47	/	/	28.17	/	/	<=30	Pass
	3754.98	Edge_1RB_Left	22.11	/	/	23.81	/	/	<=30	Pass
		Edge_1RB_Right	22.95	/	/	24.65	/	/	<=30	Pass
		Outer_Full	25.66	/	/	27.36	/	/	<=30	Pass
		Inner_Full	26.18	/	/	27.88	/	/	<=30	Pass
		Inner_1RB_Left	25.63	/	/	27.33	/	/	<=30	Pass
		Inner_1RB_Right	26.50	/	/	28.2	/	/	<=30	Pass
DFT-s-OFDM QPSK	3745.02	Edge_1RB_Left	22.16	/	/	23.86	/	/	<=30	Pass



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		Edge_1RB_Right	23.05	/	/	24.75	/	/	<=30	Pass
		Outer_Full	25.03	/	/	26.73	/	/	<=30	Pass
		Inner_Full	26.05	/	/	27.75	/	/	<=30	Pass
		Inner_1RB_Left	25.54	/	/	27.24	/	/	<=30	Pass
		Inner_1RB_Right	26.49	/	/	28.19	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.00	/	/	23.7	/	/	<=30	Pass
		Edge_1RB_Right	22.95	/	/	24.65	/	/	<=30	Pass
		Outer_Full	25.17	/	/	26.87	/	/	<=30	Pass
		Inner_Full	26.11	/	/	27.81	/	/	<=30	Pass
		Inner_1RB_Left	25.43	/	/	27.13	/	/	<=30	Pass
	3754.98	Inner_1RB_Right	26.57	/	/	28.27	/	/	<=30	Pass
		Edge_1RB_Left	22.11	/	/	23.81	/	/	<=30	Pass
		Edge_1RB_Right	22.94	/	/	24.64	/	/	<=30	Pass
		Outer_Full	25.21	/	/	26.91	/	/	<=30	Pass
		Inner_Full	26.19	/	/	27.89	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3745.02	Inner_1RB_Left	25.68	/	/	27.38	/	/	<=30	Pass
		Inner_1RB_Right	26.46	/	/	28.16	/	/	<=30	Pass
		Edge_1RB_Left	21.95	/	/	23.65	/	/	<=30	Pass
		Edge_1RB_Right	22.89	/	/	24.59	/	/	<=30	Pass
		Outer_Full	23.96	/	/	25.66	/	/	<=30	Pass
	3750	Inner_Full	24.91	/	/	26.61	/	/	<=30	Pass
		Inner_1RB_Left	24.48	/	/	26.18	/	/	<=30	Pass
		Inner_1RB_Right	25.39	/	/	27.09	/	/	<=30	Pass
		Edge_1RB_Left	21.87	/	/	23.57	/	/	<=30	Pass
		Edge_1RB_Right	22.89	/	/	24.59	/	/	<=30	Pass
	3754.98	Outer_Full	24.14	/	/	25.84	/	/	<=30	Pass
		Inner_Full	25.11	/	/	26.81	/	/	<=30	Pass
		Inner_1RB_Left	24.33	/	/	26.03	/	/	<=30	Pass
		Inner_1RB_Right	25.38	/	/	27.08	/	/	<=30	Pass
		Edge_1RB_Left	22.04	/	/	23.74	/	/	<=30	Pass
3745.98	Edge_1RB_Right	23.02	/	/	24.72	/	/	<=30	Pass	
	Outer_Full	24.22	/	/	25.92	/	/	<=30	Pass	
	Inner_Full	25.17	/	/	26.87	/	/	<=30	Pass	
	Inner_1RB_Left	24.53	/	/	26.23	/	/	<=30	Pass	
	Inner_1RB_Right	25.32	/	/	27.02	/	/	<=30	Pass	
DFT-s-OFDM 64 QAM	3745.02	Edge_1RB_Left	22.20	/	/	23.9	/	/	<=30	Pass
		Edge_1RB_Right	23.16	/	/	24.86	/	/	<=30	Pass
		Outer_Full	23.42	/	/	25.12	/	/	<=30	Pass
		Inner_Full	23.49	/	/	25.19	/	/	<=30	Pass
		Inner_1RB_Left	23.16	/	/	24.86	/	/	<=30	Pass
	3750	Inner_1RB_Right	24.09	/	/	25.79	/	/	<=30	Pass
		Edge_1RB_Left	21.81	/	/	23.51	/	/	<=30	Pass
		Edge_1RB_Right	22.92	/	/	24.62	/	/	<=30	Pass
		Outer_Full	23.64	/	/	25.34	/	/	<=30	Pass
		Inner_Full	23.60	/	/	25.3	/	/	<=30	Pass
	3754.98	Inner_1RB_Left	23.00	/	/	24.7	/	/	<=30	Pass
		Inner_1RB_Right	24.10	/	/	25.8	/	/	<=30	Pass
		Edge_1RB_Left	22.21	/	/	23.91	/	/	<=30	Pass



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		Edge_1RB_Right	23.08	/	/	24.78	/	/	<=30	Pass
		Outer_Full	23.69	/	/	25.39	/	/	<=30	Pass
		Inner_Full	23.62	/	/	25.32	/	/	<=30	Pass
		Inner_1RB_Left	23.24	/	/	24.94	/	/	<=30	Pass
		Inner_1RB_Right	23.99	/	/	25.69	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3745.02	Edge_1RB_Left	20.92	/	/	22.62	/	/	<=30	Pass
		Edge_1RB_Right	21.79	/	/	23.49	/	/	<=30	Pass
		Outer_Full	21.53	/	/	23.23	/	/	<=30	Pass
		Inner_Full	21.56	/	/	23.26	/	/	<=30	Pass
		Inner_1RB_Left	20.97	/	/	22.67	/	/	<=30	Pass
	3750	Inner_1RB_Right	21.96	/	/	23.66	/	/	<=30	Pass
		Edge_1RB_Left	20.93	/	/	22.63	/	/	<=30	Pass
		Edge_1RB_Right	21.97	/	/	23.67	/	/	<=30	Pass
		Outer_Full	21.67	/	/	23.37	/	/	<=30	Pass
		Inner_Full	21.60	/	/	23.3	/	/	<=30	Pass
	3754.98	Inner_1RB_Left	20.94	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Right	21.96	/	/	23.66	/	/	<=30	Pass
		Edge_1RB_Left	21.08	/	/	22.78	/	/	<=30	Pass
		Edge_1RB_Right	21.89	/	/	23.59	/	/	<=30	Pass
		Outer_Full	21.71	/	/	23.41	/	/	<=30	Pass
CP-OFDM QPSK	3745.02	Inner_Full	21.67	/	/	23.37	/	/	<=30	Pass
		Inner_1RB_Left	21.08	/	/	22.78	/	/	<=30	Pass
		Inner_1RB_Right	21.92	/	/	23.62	/	/	<=30	Pass
		Edge_1RB_Left	22.10	/	/	23.8	/	/	<=30	Pass
		Edge_1RB_Right	23.03	/	/	24.73	/	/	<=30	Pass
	3750	Outer_Full	23.06	/	/	24.76	/	/	<=30	Pass
		Inner_Full	24.52	/	/	26.22	/	/	<=30	Pass
		Inner_1RB_Left	23.97	/	/	25.67	/	/	<=30	Pass
		Inner_1RB_Right	24.98	/	/	26.68	/	/	<=30	Pass
		Edge_1RB_Left	22.07	/	/	23.77	/	/	<=30	Pass
	3754.98	Edge_1RB_Right	22.96	/	/	24.66	/	/	<=30	Pass
		Outer_Full	23.10	/	/	24.8	/	/	<=30	Pass
		Inner_Full	24.51	/	/	26.21	/	/	<=30	Pass
		Inner_1RB_Left	23.96	/	/	25.66	/	/	<=30	Pass
		Inner_1RB_Right	24.93	/	/	26.63	/	/	<=30	Pass
CP-OFDM 16 QAM	3745.02	Edge_1RB_Left	22.05	/	/	23.75	/	/	<=30	Pass
		Edge_1RB_Right	22.95	/	/	24.65	/	/	<=30	Pass
		Outer_Full	23.21	/	/	24.91	/	/	<=30	Pass
		Inner_Full	24.58	/	/	26.28	/	/	<=30	Pass
		Inner_1RB_Left	24.07	/	/	25.77	/	/	<=30	Pass
3750	Inner_1RB_Right	24.90	/	/	26.6	/	/	<=30	Pass	
	Edge_1RB_Left	21.93	/	/	23.63	/	/	<=30	Pass	
	Edge_1RB_Right	22.93	/	/	24.63	/	/	<=30	Pass	
	Outer_Full	23.04	/	/	24.74	/	/	<=30	Pass	
	Inner_Full	23.97	/	/	25.67	/	/	<=30	Pass	
		Inner_1RB_Left	23.42	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Right	24.37	/	/	26.07	/	/	<=30	Pass
		Edge_1RB_Left	21.88	/	/	23.58	/	/	<=30	Pass



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CP-OFDM 64 QAM	3754.98	Edge_1RB_Right	22.81	/	/	24.51	/	/	<=30	Pass	
		Outer_Full	23.11	/	/	24.81	/	/	<=30	Pass	
		Inner_Full	24.10	/	/	25.8	/	/	<=30	Pass	
		Inner_1RB_Left	23.49	/	/	25.19	/	/	<=30	Pass	
		Inner_1RB_Right	24.36	/	/	26.06	/	/	<=30	Pass	
	3754.98	Edge_1RB_Left	21.99	/	/	23.69	/	/	<=30	Pass	
		Edge_1RB_Right	22.83	/	/	24.53	/	/	<=30	Pass	
		Outer_Full	23.22	/	/	24.92	/	/	<=30	Pass	
		Inner_Full	24.14	/	/	25.84	/	/	<=30	Pass	
		Inner_1RB_Left	23.59	/	/	25.29	/	/	<=30	Pass	
	CP-OFDM 256 QAM	3745.02	Inner_1RB_Right	24.29	/	/	25.99	/	/	<=30	Pass
			Edge_1RB_Left	22.02	/	/	23.72	/	/	<=30	Pass
			Edge_1RB_Right	22.96	/	/	24.66	/	/	<=30	Pass
			Outer_Full	22.58	/	/	24.28	/	/	<=30	Pass
			Inner_Full	22.44	/	/	24.14	/	/	<=30	Pass
3750		Inner_1RB_Left	22.01	/	/	23.71	/	/	<=30	Pass	
		Inner_1RB_Right	23.05	/	/	24.75	/	/	<=30	Pass	
		Edge_1RB_Left	21.98	/	/	23.68	/	/	<=30	Pass	
		Edge_1RB_Right	23.07	/	/	24.77	/	/	<=30	Pass	
		Outer_Full	22.59	/	/	24.29	/	/	<=30	Pass	
3754.98		Inner_Full	22.60	/	/	24.3	/	/	<=30	Pass	
		Inner_1RB_Left	22.03	/	/	23.73	/	/	<=30	Pass	
		Inner_1RB_Right	23.03	/	/	24.73	/	/	<=30	Pass	
		Edge_1RB_Left	22.20	/	/	23.9	/	/	<=30	Pass	
		Edge_1RB_Right	23.02	/	/	24.72	/	/	<=30	Pass	
CP-OFDM 256 QAM	3745.02	Outer_Full	22.70	/	/	24.4	/	/	<=30	Pass	
		Inner_Full	22.62	/	/	24.32	/	/	<=30	Pass	
		Inner_1RB_Left	22.29	/	/	23.99	/	/	<=30	Pass	
		Inner_1RB_Right	23.06	/	/	24.76	/	/	<=30	Pass	
		Edge_1RB_Left	18.99	/	/	20.69	/	/	<=30	Pass	
	3750	Edge_1RB_Right	19.96	/	/	21.66	/	/	<=30	Pass	
		Outer_Full	19.55	/	/	21.25	/	/	<=30	Pass	
		Inner_Full	19.40	/	/	21.1	/	/	<=30	Pass	
		Inner_1RB_Left	18.99	/	/	20.69	/	/	<=30	Pass	
		Inner_1RB_Right	19.93	/	/	21.63	/	/	<=30	Pass	
	3754.98	Edge_1RB_Left	18.97	/	/	20.67	/	/	<=30	Pass	
		Edge_1RB_Right	20.01	/	/	21.71	/	/	<=30	Pass	
		Outer_Full	19.70	/	/	21.4	/	/	<=30	Pass	
		Inner_Full	19.55	/	/	21.25	/	/	<=30	Pass	
		Inner_1RB_Left	18.96	/	/	20.66	/	/	<=30	Pass	
3754.98	Inner_1RB_Right	20.01	/	/	21.71	/	/	<=30	Pass		
	Edge_1RB_Left	19.01	/	/	20.71	/	/	<=30	Pass		
	Edge_1RB_Right	19.88	/	/	21.58	/	/	<=30	Pass		
	Outer_Full	19.70	/	/	21.4	/	/	<=30	Pass		
	Inner_Full	19.57	/	/	21.27	/	/	<=30	Pass		
		Inner_1RB_Left	19.14	/	/	20.84	/	/	<=30	Pass	
		Inner_1RB_Right	19.98	/	/	21.68	/	/	<=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 n78a 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	3750	Edge_1RB_Left	22.11	/	/	23.81	/	/	<=30	Pass
		Edge_1RB_Right	23.02	/	/	24.72	/	/	<=30	Pass
		Outer_Full	25.60	/	/	27.3	/	/	<=30	Pass
		Inner_Full	26.10	/	/	27.8	/	/	<=30	Pass
		Inner_1RB_Left	25.64	/	/	27.34	/	/	<=30	Pass
		Inner_1RB_Right	26.45	/	/	28.15	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.11	/	/	23.81	/	/	<=30	Pass
		Edge_1RB_Right	22.97	/	/	24.67	/	/	<=30	Pass
		Outer_Full	25.61	/	/	27.31	/	/	<=30	Pass
		Inner_Full	26.14	/	/	27.84	/	/	<=30	Pass
		Inner_1RB_Left	9.20	/	/	10.9	/	/	<=30	Pass
		Inner_1RB_Right	26.44	/	/	28.14	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.05	/	/	23.75	/	/	<=30	Pass
		Edge_1RB_Right	22.91	/	/	24.61	/	/	<=30	Pass
		Outer_Full	25.66	/	/	27.36	/	/	<=30	Pass
Inner_Full		26.12	/	/	27.82	/	/	<=30	Pass	
Inner_1RB_Left		25.53	/	/	27.23	/	/	<=30	Pass	
Inner_1RB_Right		26.48	/	/	28.18	/	/	<=30	Pass	
DFT-s-OFDM QPSK	3750	Edge_1RB_Left	22.13	/	/	23.83	/	/	<=30	Pass
		Edge_1RB_Right	23.02	/	/	24.72	/	/	<=30	Pass
		Outer_Full	25.14	/	/	26.84	/	/	<=30	Pass
		Inner_Full	26.15	/	/	27.85	/	/	<=30	Pass
		Inner_1RB_Left	25.56	/	/	27.26	/	/	<=30	Pass
		Inner_1RB_Right	26.47	/	/	28.17	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.07	/	/	23.77	/	/	<=30	Pass
		Edge_1RB_Right	22.95	/	/	24.65	/	/	<=30	Pass
		Outer_Full	25.15	/	/	26.85	/	/	<=30	Pass
		Inner_Full	26.14	/	/	27.84	/	/	<=30	Pass
		Inner_1RB_Left	25.45	/	/	27.15	/	/	<=30	Pass
		Inner_1RB_Right	26.48	/	/	28.18	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.06	/	/	23.76	/	/	<=30	Pass
		Edge_1RB_Right	23.00	/	/	24.7	/	/	<=30	Pass
		Outer_Full	25.11	/	/	26.81	/	/	<=30	Pass
Inner_Full		26.11	/	/	27.81	/	/	<=30	Pass	
Inner_1RB_Left		25.55	/	/	27.25	/	/	<=30	Pass	
Inner_1RB_Right		26.48	/	/	28.18	/	/	<=30	Pass	
DFT-s-OFDM 16 QAM	3750	Edge_1RB_Left	22.00	/	/	23.7	/	/	<=30	Pass



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		Edge_1RB_Right	22.96	/	/	24.66	/	/	<=30	Pass
		Outer_Full	24.16	/	/	25.86	/	/	<=30	Pass
		Inner_Full	25.14	/	/	26.84	/	/	<=30	Pass
		Inner_1RB_Left	24.53	/	/	26.23	/	/	<=30	Pass
		Inner_1RB_Right	25.43	/	/	27.13	/	/	<=30	Pass
	3750	Edge_1RB_Left	21.91	/	/	23.61	/	/	<=30	Pass
		Edge_1RB_Right	22.83	/	/	24.53	/	/	<=30	Pass
		Outer_Full	24.12	/	/	25.82	/	/	<=30	Pass
		Inner_Full	25.08	/	/	26.78	/	/	<=30	Pass
		Inner_1RB_Left	24.38	/	/	26.08	/	/	<=30	Pass
	3750	Inner_1RB_Right	25.25	/	/	26.95	/	/	<=30	Pass
		Edge_1RB_Left	22.00	/	/	23.7	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	24.54	/	/	<=30	Pass
		Outer_Full	24.14	/	/	25.84	/	/	<=30	Pass
		Inner_Full	25.06	/	/	26.76	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Inner_1RB_Left	24.42	/	/	26.12	/	/	<=30	Pass
		Inner_1RB_Right	25.41	/	/	27.11	/	/	<=30	Pass
		Edge_1RB_Left	22.13	/	/	23.83	/	/	<=30	Pass
		Edge_1RB_Right	23.03	/	/	24.73	/	/	<=30	Pass
		Outer_Full	23.65	/	/	25.35	/	/	<=30	Pass
	3750	Inner_Full	23.67	/	/	25.37	/	/	<=30	Pass
		Inner_1RB_Left	23.16	/	/	24.86	/	/	<=30	Pass
		Inner_1RB_Right	24.04	/	/	25.74	/	/	<=30	Pass
		Edge_1RB_Left	22.10	/	/	23.8	/	/	<=30	Pass
		Edge_1RB_Right	23.08	/	/	24.78	/	/	<=30	Pass
	3750	Outer_Full	23.64	/	/	25.34	/	/	<=30	Pass
		Inner_Full	23.63	/	/	25.33	/	/	<=30	Pass
		Inner_1RB_Left	23.09	/	/	24.79	/	/	<=30	Pass
		Inner_1RB_Right	24.00	/	/	25.7	/	/	<=30	Pass
		Edge_1RB_Left	22.09	/	/	23.79	/	/	<=30	Pass
3750	Edge_1RB_Right	22.98	/	/	24.68	/	/	<=30	Pass	
	Outer_Full	23.62	/	/	25.32	/	/	<=30	Pass	
	Inner_Full	23.57	/	/	25.27	/	/	<=30	Pass	
	Inner_1RB_Left	23.15	/	/	24.85	/	/	<=30	Pass	
	Inner_1RB_Right	24.00	/	/	25.7	/	/	<=30	Pass	
DFT-s-OFDM 256 QAM	3750	Edge_1RB_Left	20.95	/	/	22.65	/	/	<=30	Pass
		Edge_1RB_Right	21.94	/	/	23.64	/	/	<=30	Pass
		Outer_Full	21.65	/	/	23.35	/	/	<=30	Pass
		Inner_Full	21.61	/	/	23.31	/	/	<=30	Pass
		Inner_1RB_Left	20.96	/	/	22.66	/	/	<=30	Pass
	3750	Inner_1RB_Right	21.86	/	/	23.56	/	/	<=30	Pass
		Edge_1RB_Left	20.97	/	/	22.67	/	/	<=30	Pass
		Edge_1RB_Right	21.90	/	/	23.6	/	/	<=30	Pass
		Outer_Full	21.60	/	/	23.3	/	/	<=30	Pass
		Inner_Full	21.50	/	/	23.2	/	/	<=30	Pass
	3750	Inner_1RB_Left	21.00	/	/	22.7	/	/	<=30	Pass
		Inner_1RB_Right	21.90	/	/	23.6	/	/	<=30	Pass
		Edge_1RB_Left	21.04	/	/	22.74	/	/	<=30	Pass



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		Edge_1RB_Right	21.88	/	/	23.58	/	/	<=30	Pass
		Outer_Full	21.63	/	/	23.33	/	/	<=30	Pass
		Inner_Full	21.59	/	/	23.29	/	/	<=30	Pass
		Inner_1RB_Left	20.92	/	/	22.62	/	/	<=30	Pass
		Inner_1RB_Right	21.91	/	/	23.61	/	/	<=30	Pass
CP-OFDM QPSK	3750	Edge_1RB_Left	22.05	/	/	23.75	/	/	<=30	Pass
		Edge_1RB_Right	23.05	/	/	24.75	/	/	<=30	Pass
		Outer_Full	23.15	/	/	24.85	/	/	<=30	Pass
		Inner_Full	24.56	/	/	26.26	/	/	<=30	Pass
		Inner_1RB_Left	24.03	/	/	25.73	/	/	<=30	Pass
	3750	Inner_1RB_Right	25.06	/	/	26.76	/	/	<=30	Pass
		Edge_1RB_Left	22.16	/	/	23.86	/	/	<=30	Pass
		Edge_1RB_Right	23.05	/	/	24.75	/	/	<=30	Pass
		Outer_Full	23.15	/	/	24.85	/	/	<=30	Pass
		Inner_Full	24.62	/	/	26.32	/	/	<=30	Pass
	3750	Inner_1RB_Left	24.11	/	/	25.81	/	/	<=30	Pass
		Inner_1RB_Right	25.07	/	/	26.77	/	/	<=30	Pass
		Edge_1RB_Left	22.06	/	/	23.76	/	/	<=30	Pass
		Edge_1RB_Right	23.04	/	/	24.74	/	/	<=30	Pass
		Outer_Full	23.13	/	/	24.83	/	/	<=30	Pass
CP-OFDM 16 QAM	3750	Inner_Full	24.61	/	/	26.31	/	/	<=30	Pass
		Inner_1RB_Left	24.10	/	/	25.8	/	/	<=30	Pass
		Inner_1RB_Right	24.97	/	/	26.67	/	/	<=30	Pass
		Edge_1RB_Left	21.85	/	/	23.55	/	/	<=30	Pass
		Edge_1RB_Right	22.94	/	/	24.64	/	/	<=30	Pass
	3750	Outer_Full	23.11	/	/	24.81	/	/	<=30	Pass
		Inner_Full	24.10	/	/	25.8	/	/	<=30	Pass
		Inner_1RB_Left	23.46	/	/	25.16	/	/	<=30	Pass
		Inner_1RB_Right	24.36	/	/	26.06	/	/	<=30	Pass
		Edge_1RB_Left	21.89	/	/	23.59	/	/	<=30	Pass
	3750	Edge_1RB_Right	22.93	/	/	24.63	/	/	<=30	Pass
		Outer_Full	23.19	/	/	24.89	/	/	<=30	Pass
		Inner_Full	24.10	/	/	25.8	/	/	<=30	Pass
		Inner_1RB_Left	23.45	/	/	25.15	/	/	<=30	Pass
		Inner_1RB_Right	24.35	/	/	26.05	/	/	<=30	Pass
3750	Edge_1RB_Left	21.92	/	/	23.62	/	/	<=30	Pass	
	Edge_1RB_Right	22.92	/	/	24.62	/	/	<=30	Pass	
	Outer_Full	23.08	/	/	24.78	/	/	<=30	Pass	
	Inner_Full	24.12	/	/	25.82	/	/	<=30	Pass	
	Inner_1RB_Left	23.49	/	/	25.19	/	/	<=30	Pass	
CP-OFDM 64 QAM	3750	Inner_1RB_Right	24.40	/	/	26.1	/	/	<=30	Pass
		Edge_1RB_Left	22.04	/	/	23.74	/	/	<=30	Pass
		Edge_1RB_Right	23.00	/	/	24.7	/	/	<=30	Pass
		Outer_Full	22.67	/	/	24.37	/	/	<=30	Pass
		Inner_Full	22.62	/	/	24.32	/	/	<=30	Pass
	3750	Inner_1RB_Left	22.07	/	/	23.77	/	/	<=30	Pass
		Inner_1RB_Right	22.97	/	/	24.67	/	/	<=30	Pass
	3750	Edge_1RB_Left	22.14	/	/	23.84	/	/	<=30	Pass



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CP-OFDM 256 QAM	3750	Edge_1RB_Right	23.04	/	/	24.74	/	/	<=30	Pass	
		Outer_Full	22.71	/	/	24.41	/	/	<=30	Pass	
		Inner_Full	22.62	/	/	24.32	/	/	<=30	Pass	
		Inner_1RB_Left	22.05	/	/	23.75	/	/	<=30	Pass	
		Inner_1RB_Right	23.00	/	/	24.7	/	/	<=30	Pass	
	3750	Edge_1RB_Left	22.11	/	/	23.81	/	/	<=30	Pass	
		Edge_1RB_Right	22.93	/	/	24.63	/	/	<=30	Pass	
		Outer_Full	22.69	/	/	24.39	/	/	<=30	Pass	
		Inner_Full	22.56	/	/	24.26	/	/	<=30	Pass	
		Inner_1RB_Left	22.05	/	/	23.75	/	/	<=30	Pass	
	3750	Inner_1RB_Right	22.96	/	/	24.66	/	/	<=30	Pass	
		3750	Edge_1RB_Left	19.04	/	/	20.74	/	/	<=30	Pass
			Edge_1RB_Right	19.97	/	/	21.67	/	/	<=30	Pass
		3750	Outer_Full	19.60	/	/	21.3	/	/	<=30	Pass
			Inner_Full	19.67	/	/	21.37	/	/	<=30	Pass
Inner_1RB_Left			18.96	/	/	20.66	/	/	<=30	Pass	
Inner_1RB_Right			19.93	/	/	21.63	/	/	<=30	Pass	
3750		Edge_1RB_Left	18.94	/	/	20.64	/	/	<=30	Pass	
		Edge_1RB_Right	20.01	/	/	21.71	/	/	<=30	Pass	
		Outer_Full	19.62	/	/	21.32	/	/	<=30	Pass	
	Inner_Full	19.59	/	/	21.29	/	/	<=30	Pass		
	Inner_1RB_Left	19.05	/	/	20.75	/	/	<=30	Pass		
	Inner_1RB_Right	20.01	/	/	21.71	/	/	<=30	Pass		
3750	Edge_1RB_Left	18.97	/	/	20.67	/	/	<=30	Pass		
	Edge_1RB_Right	19.94	/	/	21.64	/	/	<=30	Pass		
	Outer_Full	19.65	/	/	21.35	/	/	<=30	Pass		
	Inner_Full	19.64	/	/	21.34	/	/	<=30	Pass		
	Inner_1RB_Left	19.04	/	/	20.74	/	/	<=30	Pass		
	Inner_1RB_Right	20.01	/	/	21.71	/	/	<=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 n78a 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	3710.01	Edge_1RB_Left	19.69	19.26	22.49	21.39	20.96	24.19	<=30	Pass
		Edge_1RB_Right	19.87	19.18	22.55	21.57	20.88	24.25	<=30	Pass
		Outer_Full	20.04	19.70	22.89	21.74	21.4	24.59	<=30	Pass
		Inner_Full	21.45	21.18	24.33	23.15	22.88	26.03	<=30	Pass
		Inner_1RB_Left	21.63	21.29	24.47	23.33	22.99	26.17	<=30	Pass
		Inner_1RB_Right	22.07	21.07	24.61	23.77	22.77	26.31	<=30	Pass
	3750	Edge_1RB_Left	19.95	19.33	22.67	21.65	21.03	24.37	<=30	Pass



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CP-OFDM 16 QAM	3789.99	Edge_1RB_Right	19.83	19.31	22.59	21.53	21.01	24.29	<=30	Pass	
		Outer_Full	20.26	19.85	23.07	21.96	21.55	24.77	<=30	Pass	
		Inner_Full	21.61	21.35	24.49	23.31	23.05	26.19	<=30	Pass	
		Inner_1RB_Left	21.98	21.29	24.66	23.68	22.99	26.36	<=30	Pass	
		Inner_1RB_Right	21.81	21.18	24.52	23.51	22.88	26.22	<=30	Pass	
	3710.01	Edge_1RB_Left	20.25	19.39	22.85	21.95	21.09	24.55	<=30	Pass	
		Edge_1RB_Right	20.22	19.27	22.78	21.92	20.97	24.48	<=30	Pass	
		Outer_Full	20.69	19.87	23.31	22.39	21.57	25.01	<=30	Pass	
		Inner_Full	22.16	21.36	24.79	23.86	23.06	26.49	<=30	Pass	
		Inner_1RB_Left	22.21	21.33	24.81	23.91	23.03	26.51	<=30	Pass	
	CP-OFDM 64 QAM	3750	Inner_1RB_Right	22.18	21.33	24.79	23.88	23.03	26.49	<=30	Pass
			Edge_1RB_Left	19.72	19.38	22.56	21.42	21.08	24.26	<=30	Pass
			Edge_1RB_Right	19.93	19.23	22.60	21.63	20.93	24.3	<=30	Pass
			Outer_Full	20.02	19.65	22.85	21.72	21.35	24.55	<=30	Pass
			Inner_Full	21.07	20.64	23.87	22.77	22.34	25.57	<=30	Pass
		3789.99	Inner_1RB_Left	21.25	20.96	24.12	22.95	22.66	25.82	<=30	Pass
Inner_1RB_Right			21.45	20.88	24.19	23.15	22.58	25.89	<=30	Pass	
Edge_1RB_Left			20.05	19.69	22.88	21.75	21.39	24.58	<=30	Pass	
Edge_1RB_Right			19.95	19.59	22.78	21.65	21.29	24.48	<=30	Pass	
Outer_Full			20.28	19.86	23.08	21.98	21.56	24.78	<=30	Pass	
CP-OFDM 256		3750	Inner_Full	21.27	20.89	24.09	22.97	22.59	25.79	<=30	Pass
			Inner_1RB_Left	21.66	21.01	24.36	23.36	22.71	26.06	<=30	Pass
			Inner_1RB_Right	21.35	21.07	24.22	23.05	22.77	25.92	<=30	Pass
			Edge_1RB_Left	20.19	19.69	22.96	21.89	21.39	24.66	<=30	Pass
			Edge_1RB_Right	20.15	19.56	22.88	21.85	21.26	24.58	<=30	Pass
		3710.01	Outer_Full	20.66	19.87	23.29	22.36	21.57	24.99	<=30	Pass
	Inner_Full		21.71	20.94	24.35	23.41	22.64	26.05	<=30	Pass	
	Inner_1RB_Left		21.80	20.94	24.40	23.5	22.64	26.1	<=30	Pass	
	Inner_1RB_Right		21.73	21.18	24.47	23.43	22.88	26.17	<=30	Pass	
	Edge_1RB_Left		19.45	19.08	22.28	21.15	20.78	23.98	<=30	Pass	
	CP-OFDM 256	3750	Edge_1RB_Right	19.67	18.84	22.29	21.37	20.54	23.99	<=30	Pass
			Outer_Full	19.58	19.04	22.33	21.28	20.74	24.03	<=30	Pass
			Inner_Full	19.44	19.03	22.25	21.14	20.73	23.95	<=30	Pass
			Inner_1RB_Left	19.44	18.98	22.23	21.14	20.68	23.93	<=30	Pass
			Inner_1RB_Right	19.64	18.86	22.28	21.34	20.56	23.98	<=30	Pass
		3789.99	Edge_1RB_Left	19.74	19.16	22.47	21.44	20.86	24.17	<=30	Pass
Edge_1RB_Right			19.64	19.10	22.39	21.34	20.8	24.09	<=30	Pass	
Outer_Full			19.76	19.34	22.57	21.46	21.04	24.27	<=30	Pass	
Inner_Full			19.66	19.24	22.47	21.36	20.94	24.17	<=30	Pass	
Inner_1RB_Left			19.79	19.09	22.46	21.49	20.79	24.16	<=30	Pass	
3710.01		Inner_1RB_Right	19.71	19.09	22.42	21.41	20.79	24.12	<=30	Pass	
		Edge_1RB_Left	20.05	19.19	22.65	21.75	20.89	24.35	<=30	Pass	
		Edge_1RB_Right	20.06	19.17	22.65	21.76	20.87	24.35	<=30	Pass	
		Outer_Full	20.07	19.41	22.76	21.77	21.11	24.46	<=30	Pass	
		Inner_Full	20.11	19.31	22.74	21.81	21.01	24.44	<=30	Pass	
3710.01		Inner_1RB_Left	20.05	19.22	22.66	21.75	20.92	24.36	<=30	Pass	
	Inner_1RB_Right	20.01	19.17	22.62	21.71	20.87	24.32	<=30	Pass		
	Edge_1RB_Left	16.68	16.19	19.45	18.38	17.89	21.15	<=30	Pass		



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QAM		Edge_1RB_Right	16.92	16.09	19.53	18.62	17.79	21.23	<=30	Pass
		Outer_Full	16.64	16.10	19.39	18.34	17.8	21.09	<=30	Pass
		Inner_Full	16.42	16.16	19.30	18.12	17.86	21	<=30	Pass
		Inner_1RB_Left	16.71	16.20	19.47	18.41	17.9	21.17	<=30	Pass
		Inner_1RB_Right	16.84	16.12	19.51	18.54	17.82	21.21	<=30	Pass
	3750	Edge_1RB_Left	17.04	16.31	19.70	18.74	18.01	21.4	<=30	Pass
		Edge_1RB_Right	16.90	16.17	19.56	18.6	17.87	21.26	<=30	Pass
		Outer_Full	16.84	16.40	19.64	18.54	18.1	21.34	<=30	Pass
		Inner_Full	16.67	16.38	19.54	18.37	18.08	21.24	<=30	Pass
		Inner_1RB_Left	17.06	16.31	19.71	18.76	18.01	21.41	<=30	Pass
	3789.99	Inner_1RB_Right	16.87	16.22	19.57	18.57	17.92	21.27	<=30	Pass
		Edge_1RB_Left	17.26	16.41	19.87	18.96	18.11	21.57	<=30	Pass
		Edge_1RB_Right	17.30	16.28	19.83	19	17.98	21.53	<=30	Pass
		Outer_Full	17.20	16.46	19.86	18.9	18.16	21.56	<=30	Pass
		Inner_Full	17.04	16.44	19.76	18.74	18.14	21.46	<=30	Pass
		Inner_1RB_Left	17.24	16.42	19.86	18.94	18.12	21.56	<=30	Pass
		Inner_1RB_Right	17.26	16.31	19.82	18.96	18.01	21.52	<=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 n78a SCS=30kHz MIMO 30MHz NTNv											
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict	
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit		
CP-OFDM QPSK	3715.02	Edge_1RB_Left	19.46	19.08	22.29	21.16	20.78	23.99	<=30	Pass	
		Edge_1RB_Right	19.95	19.23	22.62	21.65	20.93	24.32	<=30	Pass	
		Outer_Full	20.05	19.53	22.81	21.75	21.23	24.51	<=30	Pass	
		Inner_Full	21.39	21.11	24.26	23.09	22.81	25.96	<=30	Pass	
		Inner_1RB_Left	21.51	21.05	24.29	23.21	22.75	25.99	<=30	Pass	
		Inner_1RB_Right	21.94	21.29	24.63	23.64	22.99	26.33	<=30	Pass	
	3750	Edge_1RB_Left	20.11	19.36	22.76	21.81	21.06	24.46	<=30	Pass	
		Edge_1RB_Right	19.94	19.44	22.71	21.64	21.14	24.41	<=30	Pass	
		Outer_Full	20.20	19.93	23.08	21.9	21.63	24.78	<=30	Pass	
		Inner_Full	21.67	21.27	24.49	23.37	22.97	26.19	<=30	Pass	
	3784.98	Inner_1RB_Left	22.01	21.36	24.71	23.71	23.06	26.41	<=30	Pass	
		Inner_1RB_Right	21.90	21.32	24.63	23.6	23.02	26.33	<=30	Pass	
		Edge_1RB_Left	20.06	19.57	22.83	21.76	21.27	24.53	<=30	Pass	
		Edge_1RB_Right	20.47	19.61	23.07	22.17	21.31	24.77	<=30	Pass	
		Outer_Full	20.76	19.95	23.38	22.46	21.65	25.08	<=30	Pass	
		Inner_Full	22.28	21.54	24.94	23.98	23.24	26.64	<=30	Pass	
			Inner_1RB_Left	22.08	21.55	24.83	23.78	23.25	26.53	<=30	Pass
			Inner_1RB_Right	22.41	21.50	24.99	24.11	23.2	26.69	<=30	Pass



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CP-OFDM 16 QAM	3715.02	Edge_1RB_Left	19.41	19.32	22.38	21.11	21.02	24.08	<=30	Pass
		Edge_1RB_Right	19.87	19.25	22.58	21.57	20.95	24.28	<=30	Pass
		Outer_Full	19.95	19.52	22.75	21.65	21.22	24.45	<=30	Pass
		Inner_Full	20.87	20.49	23.70	22.57	22.19	25.4	<=30	Pass
		Inner_1RB_Left	20.91	20.90	23.91	22.61	22.6	25.61	<=30	Pass
	Inner_1RB_Right	21.52	20.98	24.27	23.22	22.68	25.97	<=30	Pass	
	3750	Edge_1RB_Left	19.91	19.56	22.75	21.61	21.26	24.45	<=30	Pass
		Edge_1RB_Right	19.82	19.57	22.71	21.52	21.27	24.41	<=30	Pass
		Outer_Full	20.24	19.81	23.04	21.94	21.51	24.74	<=30	Pass
		Inner_Full	21.14	20.89	24.03	22.84	22.59	25.73	<=30	Pass
		Inner_1RB_Left	21.47	21.04	24.27	23.17	22.74	25.97	<=30	Pass
	Inner_1RB_Right	21.47	21.17	24.33	23.17	22.87	26.03	<=30	Pass	
	3784.98	Edge_1RB_Left	19.94	19.66	22.81	21.64	21.36	24.51	<=30	Pass
		Edge_1RB_Right	20.40	19.84	23.14	22.1	21.54	24.84	<=30	Pass
		Outer_Full	20.69	20.02	23.38	22.39	21.72	25.08	<=30	Pass
Inner_Full		21.65	21.01	24.35	23.35	22.71	26.05	<=30	Pass	
Inner_1RB_Left		21.58	21.18	24.40	23.28	22.88	26.1	<=30	Pass	
Inner_1RB_Right	21.99	21.36	24.70	23.69	23.06	26.4	<=30	Pass		
CP-OFDM 64 QAM	3715.02	Edge_1RB_Left	19.26	18.91	22.10	20.96	20.61	23.8	<=30	Pass
		Edge_1RB_Right	19.72	18.96	22.37	21.42	20.66	24.07	<=30	Pass
		Outer_Full	19.46	19.01	22.25	21.16	20.71	23.95	<=30	Pass
		Inner_Full	19.32	18.93	22.14	21.02	20.63	23.84	<=30	Pass
		Inner_1RB_Left	19.21	18.84	22.04	20.91	20.54	23.74	<=30	Pass
	Inner_1RB_Right	19.74	18.92	22.36	21.44	20.62	24.06	<=30	Pass	
	3750	Edge_1RB_Left	19.81	19.15	22.50	21.51	20.85	24.2	<=30	Pass
		Edge_1RB_Right	19.69	19.24	22.48	21.39	20.94	24.18	<=30	Pass
		Outer_Full	19.74	19.34	22.55	21.44	21.04	24.25	<=30	Pass
		Inner_Full	19.55	19.23	22.41	21.25	20.93	24.11	<=30	Pass
		Inner_1RB_Left	19.74	19.02	22.40	21.44	20.72	24.1	<=30	Pass
	Inner_1RB_Right	19.68	19.19	22.45	21.38	20.89	24.15	<=30	Pass	
	3784.98	Edge_1RB_Left	19.88	19.19	22.56	21.58	20.89	24.26	<=30	Pass
		Edge_1RB_Right	20.30	19.27	22.82	22	20.97	24.52	<=30	Pass
		Outer_Full	20.22	19.53	22.90	21.92	21.23	24.6	<=30	Pass
Inner_Full		20.11	19.39	22.78	21.81	21.09	24.48	<=30	Pass	
Inner_1RB_Left		19.82	19.14	22.50	21.52	20.84	24.2	<=30	Pass	
Inner_1RB_Right	20.27	19.26	22.80	21.97	20.96	24.5	<=30	Pass		
CP-OFDM 256 QAM	3715.02	Edge_1RB_Left	16.54	16.09	19.33	18.24	17.79	21.03	<=30	Pass
		Edge_1RB_Right	16.96	16.20	19.61	18.66	17.9	21.31	<=30	Pass
		Outer_Full	16.52	16.05	19.30	18.22	17.75	21	<=30	Pass
		Inner_Full	16.43	16.02	19.24	18.13	17.72	20.94	<=30	Pass
		Inner_1RB_Left	16.54	16.09	19.33	18.24	17.79	21.03	<=30	Pass
	Inner_1RB_Right	17.00	16.03	19.55	18.7	17.73	21.25	<=30	Pass	
	3750	Edge_1RB_Left	17.11	16.25	19.71	18.81	17.95	21.41	<=30	Pass
		Edge_1RB_Right	16.97	16.34	19.68	18.67	18.04	21.38	<=30	Pass
		Outer_Full	16.82	16.36	19.61	18.52	18.06	21.31	<=30	Pass
		Inner_Full	16.70	16.33	19.53	18.4	18.03	21.23	<=30	Pass
		Inner_1RB_Left	17.02	16.24	19.66	18.72	17.94	21.36	<=30	Pass
Inner_1RB_Right		16.81	16.37	19.60	18.51	18.07	21.3	<=30	Pass	



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3784.98	Edge_1RB_Left	17.12	16.42	19.79	18.82	18.12	21.49	<=30	Pass
	Edge_1RB_Right	17.51	16.34	19.97	19.21	18.04	21.67	<=30	Pass
	Outer_Full	17.19	16.45	19.85	18.89	18.15	21.55	<=30	Pass
	Inner_Full	17.23	16.44	19.86	18.93	18.14	21.56	<=30	Pass
	Inner_1RB_Left	17.04	16.40	19.74	18.74	18.1	21.44	<=30	Pass
	Inner_1RB_Right	17.51	16.44	20.02	19.21	18.14	21.72	<=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

1.12 30k_MIMO_40MHz_NTNV_EIRP

1.12.1 Test Result

5G NR n78a 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	3720	Edge_1RB_Left	19.56	19.24	22.42	21.26	20.94	24.12	<=30	Pass
		Edge_1RB_Right	19.87	19.38	22.64	21.57	21.08	24.34	<=30	Pass
		Outer_Full	20.20	19.74	22.99	21.9	21.44	24.69	<=30	Pass
		Inner_Full	21.62	21.17	24.41	23.32	22.87	26.11	<=30	Pass
		Inner_1RB_Left	21.50	21.28	24.40	23.2	22.98	26.1	<=30	Pass
		Inner_1RB_Right	21.94	21.45	24.71	23.64	23.15	26.41	<=30	Pass
	3750	Edge_1RB_Left	20.23	19.35	22.82	21.93	21.05	24.52	<=30	Pass
		Edge_1RB_Right	20.12	19.44	22.81	21.82	21.14	24.51	<=30	Pass
		Outer_Full	20.26	19.83	23.06	21.96	21.53	24.76	<=30	Pass
		Inner_Full	21.65	21.41	24.54	23.35	23.11	26.24	<=30	Pass
		Inner_1RB_Left	22.19	21.38	24.81	23.89	23.08	26.51	<=30	Pass
		Inner_1RB_Right	22.23	21.47	24.88	23.93	23.17	26.58	<=30	Pass
	3780	Edge_1RB_Left	19.89	19.44	22.68	21.59	21.14	24.38	<=30	Pass
		Edge_1RB_Right	20.40	19.64	23.05	22.1	21.34	24.75	<=30	Pass
		Outer_Full	20.59	19.97	23.30	22.29	21.67	25	<=30	Pass
		Inner_Full	22.05	21.46	24.78	23.75	23.16	26.48	<=30	Pass
		Inner_1RB_Left	21.94	21.31	24.65	23.64	23.01	26.35	<=30	Pass
		Inner_1RB_Right	22.43	21.62	25.06	24.13	23.32	26.76	<=30	Pass
CP-OFDM 16 QAM	3720	Edge_1RB_Left	19.50	19.63	22.58	21.2	21.33	24.28	<=30	Pass
		Edge_1RB_Right	19.85	19.81	22.84	21.55	21.51	24.54	<=30	Pass
		Outer_Full	20.19	19.69	22.96	21.89	21.39	24.66	<=30	Pass
		Inner_Full	21.21	20.69	23.97	22.91	22.39	25.67	<=30	Pass
		Inner_1RB_Left	21.05	21.03	24.05	22.75	22.73	25.75	<=30	Pass
		Inner_1RB_Right	21.41	21.04	24.24	23.11	22.74	25.94	<=30	Pass
	3750	Edge_1RB_Left	20.15	19.64	22.92	21.85	21.34	24.62	<=30	Pass
		Edge_1RB_Right	20.10	19.67	22.90	21.8	21.37	24.6	<=30	Pass
		Outer_Full	20.22	19.84	23.04	21.92	21.54	24.74	<=30	Pass
		Inner_Full	21.23	20.84	24.05	22.93	22.54	25.75	<=30	Pass
		Inner_1RB_Left	21.73	21.13	24.45	23.43	22.83	26.15	<=30	Pass



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	3780	Inner_1RB_Right	21.59	21.08	24.35	23.29	22.78	26.05	<=30	Pass
		Edge_1RB_Left	19.81	19.84	22.83	21.51	21.54	24.53	<=30	Pass
		Edge_1RB_Right	20.41	19.99	23.21	22.11	21.69	24.91	<=30	Pass
		Outer_Full	20.54	19.90	23.24	22.24	21.6	24.94	<=30	Pass
		Inner_Full	21.59	20.94	24.29	23.29	22.64	25.99	<=30	Pass
		Inner_1RB_Left	21.36	21.19	24.29	23.06	22.89	25.99	<=30	Pass
CP-OFDM 64 QAM	3720	Inner_1RB_Right	21.98	21.19	24.61	23.68	22.89	26.31	<=30	Pass
		Edge_1RB_Left	19.45	19.09	22.28	21.15	20.79	23.98	<=30	Pass
		Edge_1RB_Right	19.80	19.22	22.53	21.5	20.92	24.23	<=30	Pass
		Outer_Full	19.69	19.21	22.47	21.39	20.91	24.17	<=30	Pass
		Inner_Full	19.67	19.11	22.41	21.37	20.81	24.11	<=30	Pass
		Inner_1RB_Left	19.35	19.05	22.21	21.05	20.75	23.91	<=30	Pass
	3750	Inner_1RB_Right	19.77	19.10	22.45	21.47	20.8	24.15	<=30	Pass
		Edge_1RB_Left	19.94	19.18	22.59	21.64	20.88	24.29	<=30	Pass
		Edge_1RB_Right	19.80	19.26	22.55	21.5	20.96	24.25	<=30	Pass
		Outer_Full	19.82	19.41	22.63	21.52	21.11	24.33	<=30	Pass
		Inner_Full	19.61	19.33	22.48	21.31	21.03	24.18	<=30	Pass
		Inner_1RB_Left	19.95	19.20	22.60	21.65	20.9	24.3	<=30	Pass
	3780	Inner_1RB_Right	19.84	19.32	22.60	21.54	21.02	24.3	<=30	Pass
		Edge_1RB_Left	19.63	19.33	22.49	21.33	21.03	24.19	<=30	Pass
		Edge_1RB_Right	20.37	19.41	22.93	22.07	21.11	24.63	<=30	Pass
		Outer_Full	20.04	19.31	22.70	21.74	21.01	24.4	<=30	Pass
		Inner_Full	20.06	19.32	22.72	21.76	21.02	24.42	<=30	Pass
		Inner_1RB_Left	19.70	19.29	22.51	21.4	20.99	24.21	<=30	Pass
CP-OFDM 256 QAM	3720	Inner_1RB_Right	20.26	19.40	22.86	21.96	21.1	24.56	<=30	Pass
		Edge_1RB_Left	16.55	16.40	19.49	18.25	18.1	21.19	<=30	Pass
		Edge_1RB_Right	16.96	16.27	19.64	18.66	17.97	21.34	<=30	Pass
		Outer_Full	16.74	16.25	19.51	18.44	17.95	21.21	<=30	Pass
		Inner_Full	16.69	16.17	19.45	18.39	17.87	21.15	<=30	Pass
		Inner_1RB_Left	16.41	16.33	19.38	18.11	18.03	21.08	<=30	Pass
	3750	Inner_1RB_Right	17.06	16.43	19.77	18.76	18.13	21.47	<=30	Pass
		Edge_1RB_Left	17.34	16.36	19.89	19.04	18.06	21.59	<=30	Pass
		Edge_1RB_Right	17.13	16.35	19.77	18.83	18.05	21.47	<=30	Pass
		Outer_Full	16.74	16.41	19.59	18.44	18.11	21.29	<=30	Pass
		Inner_Full	16.68	16.37	19.54	18.38	18.07	21.24	<=30	Pass
		Inner_1RB_Left	17.22	16.30	19.79	18.92	18	21.49	<=30	Pass
	3780	Inner_1RB_Right	17.03	16.43	19.75	18.73	18.13	21.45	<=30	Pass
		Edge_1RB_Left	16.85	16.46	19.67	18.55	18.16	21.37	<=30	Pass
		Edge_1RB_Right	17.51	16.41	20.00	19.21	18.11	21.7	<=30	Pass
		Outer_Full	17.13	16.45	19.81	18.83	18.15	21.51	<=30	Pass
		Inner_Full	17.14	16.44	19.81	18.84	18.14	21.51	<=30	Pass
		Inner_1RB_Left	16.87	16.37	19.64	18.57	18.07	21.34	<=30	Pass
		Inner_1RB_Right	17.51	16.43	20.01	19.21	18.13	21.71	<=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 n78a SCS=30kHz MIMO 50MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3725.01	Edge_1RB_Left	19.25	18.82	22.05	20.95	20.52	23.75	<=30	Pass
		Edge_1RB_Right	19.47	18.98	22.25	21.17	20.68	23.95	<=30	Pass
		Outer_Full	19.89	19.44	22.68	21.59	21.14	24.38	<=30	Pass
		Inner_Full	21.55	20.87	24.23	23.25	22.57	25.93	<=30	Pass
		Inner_1RB_Left	21.35	20.90	24.14	23.05	22.6	25.84	<=30	Pass
		Inner_1RB_Right	21.41	21.02	24.23	23.11	22.72	25.93	<=30	Pass
	3750	Edge_1RB_Left	19.75	18.91	22.36	21.45	20.61	24.06	<=30	Pass
		Edge_1RB_Right	19.88	19.10	22.52	21.58	20.8	24.22	<=30	Pass
		Outer_Full	20.05	19.55	22.82	21.75	21.25	24.52	<=30	Pass
		Inner_Full	21.48	21.05	24.28	23.18	22.75	25.98	<=30	Pass
		Inner_1RB_Left	21.82	20.90	24.40	23.52	22.6	26.1	<=30	Pass
	3774.99	Inner_1RB_Right	21.78	20.98	24.41	23.48	22.68	26.11	<=30	Pass
		Edge_1RB_Left	19.48	19.09	22.30	21.18	20.79	24	<=30	Pass
		Edge_1RB_Right	20.15	19.12	22.67	21.85	20.82	24.37	<=30	Pass
		Outer_Full	20.35	19.69	23.05	22.05	21.39	24.75	<=30	Pass
Inner_Full		21.86	21.21	24.55	23.56	22.91	26.25	<=30	Pass	
Inner_1RB_Left		21.55	20.99	24.29	23.25	22.69	25.99	<=30	Pass	
CP-OFDM 16 QAM	3725.01	Inner_1RB_Right	22.14	21.12	24.67	23.84	22.82	26.37	<=30	Pass
		Edge_1RB_Left	19.24	19.08	22.17	20.94	20.78	23.87	<=30	Pass
		Edge_1RB_Right	19.43	19.25	22.35	21.13	20.95	24.05	<=30	Pass
		Outer_Full	19.94	19.40	22.69	21.64	21.1	24.39	<=30	Pass
		Inner_Full	20.92	20.31	23.64	22.62	22.01	25.34	<=30	Pass
		Inner_1RB_Left	20.63	20.63	23.64	22.33	22.33	25.34	<=30	Pass
	3750	Inner_1RB_Right	20.99	20.74	23.88	22.69	22.44	25.58	<=30	Pass
		Edge_1RB_Left	19.71	19.29	22.51	21.41	20.99	24.21	<=30	Pass
		Edge_1RB_Right	19.69	19.40	22.55	21.39	21.1	24.25	<=30	Pass
		Outer_Full	20.09	19.53	22.83	21.79	21.23	24.53	<=30	Pass
		Inner_Full	21.00	20.61	23.82	22.7	22.31	25.52	<=30	Pass
		Inner_1RB_Left	21.25	20.68	23.98	22.95	22.38	25.68	<=30	Pass
	3774.99	Inner_1RB_Right	21.26	20.87	24.08	22.96	22.57	25.78	<=30	Pass
		Edge_1RB_Left	19.58	19.31	22.46	21.28	21.01	24.16	<=30	Pass
		Edge_1RB_Right	20.20	19.35	22.81	21.9	21.05	24.51	<=30	Pass
Outer_Full		20.38	19.58	23.01	22.08	21.28	24.71	<=30	Pass	
Inner_Full		21.37	20.78	24.10	23.07	22.48	25.8	<=30	Pass	
Inner_1RB_Left		21.02	20.79	23.91	22.72	22.49	25.61	<=30	Pass	
CP-OFDM 64 QAM	3725.01	Inner_1RB_Right	21.66	20.90	24.30	23.36	22.6	26	<=30	Pass
		Edge_1RB_Left	19.00	18.53	21.78	20.7	20.23	23.48	<=30	Pass
		Edge_1RB_Right	19.24	18.74	22.01	20.94	20.44	23.71	<=30	Pass
		Outer_Full	19.35	18.86	22.12	21.05	20.56	23.82	<=30	Pass
		Inner_Full	19.46	18.92	22.21	21.16	20.62	23.91	<=30	Pass



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		Inner_1RB_Left	18.95	18.49	21.74	20.65	20.19	23.44	<=30	Pass
		Inner_1RB_Right	19.15	18.60	21.89	20.85	20.3	23.59	<=30	Pass
	3750	Edge_1RB_Left	19.66	18.80	22.26	21.36	20.5	23.96	<=30	Pass
		Edge_1RB_Right	19.58	18.88	22.25	21.28	20.58	23.95	<=30	Pass
		Outer_Full	19.52	19.07	22.31	21.22	20.77	24.01	<=30	Pass
		Inner_Full	19.45	19.15	22.31	21.15	20.85	24.01	<=30	Pass
		Inner_1RB_Left	19.61	18.69	22.18	21.31	20.39	23.88	<=30	Pass
		Inner_1RB_Right	19.59	18.90	22.27	21.29	20.6	23.97	<=30	Pass
	3774.99	Edge_1RB_Left	19.41	18.91	22.18	21.11	20.61	23.88	<=30	Pass
		Edge_1RB_Right	20.00	18.98	22.53	21.7	20.68	24.23	<=30	Pass
		Outer_Full	19.83	19.22	22.55	21.53	20.92	24.25	<=30	Pass
		Inner_Full	19.93	19.16	22.57	21.63	20.86	24.27	<=30	Pass
		Inner_1RB_Left	19.35	18.90	22.14	21.05	20.6	23.84	<=30	Pass
		Inner_1RB_Right	19.96	18.94	22.49	21.66	20.64	24.19	<=30	Pass
CP-OFDM 256 QAM	3725.01	Edge_1RB_Left	16.25	15.80	19.04	17.95	17.5	20.74	<=30	Pass
		Edge_1RB_Right	16.51	15.94	19.24	18.21	17.64	20.94	<=30	Pass
		Outer_Full	16.39	15.85	19.14	18.09	17.55	20.84	<=30	Pass
		Inner_Full	16.46	15.90	19.20	18.16	17.6	20.9	<=30	Pass
		Inner_1RB_Left	16.26	15.70	19.00	17.96	17.4	20.7	<=30	Pass
		Inner_1RB_Right	16.37	16.01	19.20	18.07	17.71	20.9	<=30	Pass
	3750	Edge_1RB_Left	16.81	15.87	19.37	18.51	17.57	21.07	<=30	Pass
		Edge_1RB_Right	16.88	16.05	19.50	18.58	17.75	21.2	<=30	Pass
		Outer_Full	16.61	16.11	19.37	18.31	17.81	21.07	<=30	Pass
		Inner_Full	16.46	16.12	19.30	18.16	17.82	21	<=30	Pass
		Inner_1RB_Left	16.80	15.90	19.38	18.5	17.6	21.08	<=30	Pass
		Inner_1RB_Right	16.79	16.05	19.45	18.49	17.75	21.15	<=30	Pass
	3774.99	Edge_1RB_Left	16.59	16.08	19.35	18.29	17.78	21.05	<=30	Pass
		Edge_1RB_Right	17.20	16.16	19.72	18.9	17.86	21.42	<=30	Pass
		Outer_Full	16.89	16.07	19.51	18.59	17.77	21.21	<=30	Pass
		Inner_Full	16.88	16.22	19.57	18.58	17.92	21.27	<=30	Pass
		Inner_1RB_Left	16.64	16.04	19.36	18.34	17.74	21.06	<=30	Pass
		Inner_1RB_Right	17.19	16.15	19.71	18.89	17.85	21.41	<=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 n78a 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	3730.02	Edge_1RB_Left	19.18	18.73	21.97	20.88	20.43	23.67	<=30	Pass
		Edge_1RB_Right	19.59	19.07	22.35	21.29	20.77	24.05	<=30	Pass
		Outer_Full	20.06	19.45	22.78	21.76	21.15	24.48	<=30	Pass



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		Inner_Full	21.63	20.98	24.33	23.33	22.68	26.03	<=30	Pass	
		Inner_1RB_Left	21.18	20.82	24.01	22.88	22.52	25.71	<=30	Pass	
		Inner_1RB_Right	21.59	21.02	24.32	23.29	22.72	26.02	<=30	Pass	
	3750		Edge_1RB_Left	19.55	18.74	22.17	21.25	20.44	23.87	<=30	Pass
			Edge_1RB_Right	20.11	19.21	22.69	21.81	20.91	24.39	<=30	Pass
			Outer_Full	20.07	19.52	22.82	21.77	21.22	24.52	<=30	Pass
			Inner_Full	21.45	21.11	24.29	23.15	22.81	25.99	<=30	Pass
			Inner_1RB_Left	21.58	20.72	24.18	23.28	22.42	25.88	<=30	Pass
			Inner_1RB_Right	22.12	21.22	24.70	23.82	22.92	26.4	<=30	Pass
	3769.98		Edge_1RB_Left	19.61	18.90	22.28	21.31	20.6	23.98	<=30	Pass
			Edge_1RB_Right	20.11	19.26	22.72	21.81	20.96	24.42	<=30	Pass
			Outer_Full	20.26	19.54	22.93	21.96	21.24	24.63	<=30	Pass
			Inner_Full	21.76	21.10	24.46	23.46	22.8	26.16	<=30	Pass
			Inner_1RB_Left	21.55	20.79	24.20	23.25	22.49	25.9	<=30	Pass
			Inner_1RB_Right	22.18	21.24	24.75	23.88	22.94	26.45	<=30	Pass
CP-OFDM 16 QAM	3730.02	Edge_1RB_Left	19.24	18.98	22.12	20.94	20.68	23.82	<=30	Pass	
		Edge_1RB_Right	19.61	19.26	22.45	21.31	20.96	24.15	<=30	Pass	
		Outer_Full	19.94	19.43	22.70	21.64	21.13	24.4	<=30	Pass	
		Inner_Full	21.08	20.45	23.79	22.78	22.15	25.49	<=30	Pass	
		Inner_1RB_Left	20.68	20.57	23.64	22.38	22.27	25.34	<=30	Pass	
		Inner_1RB_Right	21.02	20.80	23.93	22.72	22.5	25.63	<=30	Pass	
	3750		Edge_1RB_Left	19.58	18.94	22.28	21.28	20.64	23.98	<=30	Pass
			Edge_1RB_Right	20.13	19.36	22.78	21.83	21.06	24.48	<=30	Pass
			Outer_Full	20.06	19.52	22.81	21.76	21.22	24.51	<=30	Pass
			Inner_Full	21.01	20.56	23.80	22.71	22.26	25.5	<=30	Pass
			Inner_1RB_Left	21.10	20.43	23.79	22.8	22.13	25.49	<=30	Pass
			Inner_1RB_Right	21.54	20.77	24.19	23.24	22.47	25.89	<=30	Pass
	3769.98		Edge_1RB_Left	19.57	19.30	22.45	21.27	21	24.15	<=30	Pass
			Edge_1RB_Right	20.24	19.38	22.84	21.94	21.08	24.54	<=30	Pass
			Outer_Full	20.22	19.57	22.92	21.92	21.27	24.62	<=30	Pass
			Inner_Full	21.21	20.53	23.90	22.91	22.23	25.6	<=30	Pass
			Inner_1RB_Left	21.00	20.65	23.83	22.7	22.35	25.53	<=30	Pass
			Inner_1RB_Right	21.77	20.93	24.38	23.47	22.63	26.08	<=30	Pass
	CP-OFDM 64 QAM	3730.02	Edge_1RB_Left	19.00	18.60	21.81	20.7	20.3	23.51	<=30	Pass
			Edge_1RB_Right	19.39	18.76	22.10	21.09	20.46	23.8	<=30	Pass
			Outer_Full	19.45	18.90	22.20	21.15	20.6	23.9	<=30	Pass
			Inner_Full	19.56	18.96	22.28	21.26	20.66	23.98	<=30	Pass
			Inner_1RB_Left	18.98	18.59	21.80	20.68	20.29	23.5	<=30	Pass
			Inner_1RB_Right	19.40	18.85	22.14	21.1	20.55	23.84	<=30	Pass
3750			Edge_1RB_Left	19.34	18.65	22.02	21.04	20.35	23.72	<=30	Pass
			Edge_1RB_Right	19.87	18.99	22.46	21.57	20.69	24.16	<=30	Pass
			Outer_Full	19.54	19.03	22.30	21.24	20.73	24	<=30	Pass
			Inner_Full	19.48	19.11	22.31	21.18	20.81	24.01	<=30	Pass
			Inner_1RB_Left	19.37	18.62	22.02	21.07	20.32	23.72	<=30	Pass
			Inner_1RB_Right	19.86	18.91	22.42	21.56	20.61	24.12	<=30	Pass
3769.98			Edge_1RB_Left	19.27	18.72	22.01	20.97	20.42	23.71	<=30	Pass
			Outer_Full	20.01	18.91	22.51	21.71	20.61	24.21	<=30	Pass
			Outer_Full	19.73	19.07	22.42	21.43	20.77	24.12	<=30	Pass



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CP-OFDM 256 QAM	3730.02	Inner_Full	19.72	19.10	22.43	21.42	20.8	24.13	<=30	Pass
		Inner_1RB_Left	19.29	18.66	21.99	20.99	20.36	23.69	<=30	Pass
		Inner_1RB_Right	19.95	18.86	22.45	21.65	20.56	24.15	<=30	Pass
	3750	Edge_1RB_Left	16.38	15.73	19.08	18.08	17.43	20.78	<=30	Pass
		Edge_1RB_Right	16.66	15.96	19.34	18.36	17.66	21.04	<=30	Pass
		Outer_Full	16.51	16.00	19.27	18.21	17.7	20.97	<=30	Pass
	3769.98	Inner_Full	16.61	15.97	19.31	18.31	17.67	21.01	<=30	Pass
		Inner_1RB_Left	16.35	15.71	19.05	18.05	17.41	20.75	<=30	Pass
		Inner_1RB_Right	16.62	15.94	19.30	18.32	17.64	21	<=30	Pass
		Edge_1RB_Left	16.65	15.75	19.23	18.35	17.45	20.93	<=30	Pass
		Edge_1RB_Right	17.08	16.02	19.59	18.78	17.72	21.29	<=30	Pass
		Outer_Full	16.62	16.08	19.37	18.32	17.78	21.07	<=30	Pass
		Inner_Full	16.51	16.12	19.33	18.21	17.82	21.03	<=30	Pass
		Inner_1RB_Left	16.60	15.72	19.19	18.3	17.42	20.89	<=30	Pass
		Inner_1RB_Right	17.11	16.06	19.62	18.81	17.76	21.32	<=30	Pass
	3769.98	Edge_1RB_Left	16.53	15.92	19.24	18.23	17.62	20.94	<=30	Pass
		Edge_1RB_Right	17.19	16.16	19.72	18.89	17.86	21.42	<=30	Pass
		Outer_Full	16.81	16.05	19.46	18.51	17.75	21.16	<=30	Pass
		Inner_Full	16.74	16.05	19.42	18.44	17.75	21.12	<=30	Pass
		Inner_1RB_Left	16.60	15.77	19.22	18.3	17.47	20.92	<=30	Pass
		Inner_1RB_Right	17.19	16.07	19.68	18.89	17.77	21.38	<=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 n78a SCS=30kHz MIMO 70MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3735	Edge_1RB_Left	19.17	18.64	21.93	20.87	20.34	23.63	<=30	Pass
		Edge_1RB_Right	19.60	18.89	22.27	21.3	20.59	23.97	<=30	Pass
		Outer_Full	19.92	19.31	22.64	21.62	21.01	24.34	<=30	Pass
		Inner_Full	21.48	20.86	24.19	23.18	22.56	25.89	<=30	Pass
		Inner_1RB_Left	21.12	20.80	23.97	22.82	22.5	25.67	<=30	Pass
		Inner_1RB_Right	21.56	20.91	24.26	23.26	22.61	25.96	<=30	Pass
	3750	Edge_1RB_Left	19.41	18.77	22.11	21.11	20.47	23.81	<=30	Pass
		Edge_1RB_Right	19.97	18.82	22.44	21.67	20.52	24.14	<=30	Pass
		Outer_Full	20.05	19.52	22.81	21.75	21.22	24.51	<=30	Pass
		Inner_Full	21.41	21.12	24.28	23.11	22.82	25.98	<=30	Pass
		Inner_1RB_Left	21.46	20.79	24.15	23.16	22.49	25.85	<=30	Pass
		Inner_1RB_Right	21.91	20.92	24.45	23.61	22.62	26.15	<=30	Pass
	3765	Edge_1RB_Left	19.64	18.74	22.22	21.34	20.44	23.92	<=30	Pass
		Edge_1RB_Right	19.86	18.90	22.42	21.56	20.6	24.12	<=30	Pass



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CP-OFDM 16 QAM	3735	Outer_Full	20.05	19.46	22.78	21.75	21.16	24.48	<=30	Pass		
		Inner_Full	21.52	21.00	24.28	23.22	22.7	25.98	<=30	Pass		
		Inner_1RB_Left	21.67	20.79	24.27	23.37	22.49	25.97	<=30	Pass		
		Inner_1RB_Right	21.84	21.07	24.48	23.54	22.77	26.18	<=30	Pass		
	3750	3735	Edge_1RB_Left	19.11	18.94	22.03	20.81	20.64	23.73	<=30	Pass	
			Edge_1RB_Right	19.58	19.19	22.40	21.28	20.89	24.1	<=30	Pass	
			Outer_Full	19.82	19.34	22.60	21.52	21.04	24.3	<=30	Pass	
			Inner_Full	20.97	20.44	23.72	22.67	22.14	25.42	<=30	Pass	
		3750	3750	Inner_1RB_Left	20.60	20.42	23.52	22.3	22.12	25.22	<=30	Pass
				Inner_1RB_Right	20.96	20.61	23.80	22.66	22.31	25.5	<=30	Pass
				Edge_1RB_Left	19.37	19.05	22.22	21.07	20.75	23.92	<=30	Pass
				Edge_1RB_Right	19.97	19.32	22.67	21.67	21.02	24.37	<=30	Pass
3765		3765	Outer_Full	20.03	19.48	22.77	21.73	21.18	24.47	<=30	Pass	
			Inner_Full	20.96	20.59	23.79	22.66	22.29	25.49	<=30	Pass	
			Inner_1RB_Left	20.99	20.50	23.76	22.69	22.2	25.46	<=30	Pass	
			Inner_1RB_Right	21.53	20.63	24.11	23.23	22.33	25.81	<=30	Pass	
CP-OFDM 64 QAM	3735	Edge_1RB_Left	19.69	19.07	22.40	21.39	20.77	24.1	<=30	Pass		
		Edge_1RB_Right	19.89	19.21	22.57	21.59	20.91	24.27	<=30	Pass		
		Outer_Full	20.04	19.49	22.78	21.74	21.19	24.48	<=30	Pass		
		Inner_Full	21.05	20.49	23.79	22.75	22.19	25.49	<=30	Pass		
	3750	3735	Inner_1RB_Left	21.17	20.59	23.90	22.87	22.29	25.6	<=30	Pass	
			Inner_1RB_Right	21.42	20.81	24.14	23.12	22.51	25.84	<=30	Pass	
			Edge_1RB_Left	19.03	18.57	21.82	20.73	20.27	23.52	<=30	Pass	
			Edge_1RB_Right	19.50	18.71	22.13	21.2	20.41	23.83	<=30	Pass	
		3750	3750	Outer_Full	19.32	18.84	22.10	21.02	20.54	23.8	<=30	Pass
				Inner_Full	19.41	18.86	22.15	21.11	20.56	23.85	<=30	Pass
				Inner_1RB_Left	19.14	18.54	21.86	20.84	20.24	23.56	<=30	Pass
				Inner_1RB_Right	19.47	18.70	22.11	21.17	20.4	23.81	<=30	Pass
3765		3765	Edge_1RB_Left	19.11	18.63	21.89	20.81	20.33	23.59	<=30	Pass	
			Edge_1RB_Right	19.77	18.70	22.28	21.47	20.4	23.98	<=30	Pass	
			Outer_Full	19.51	18.98	22.27	21.21	20.68	23.97	<=30	Pass	
			Inner_Full	19.47	19.10	22.30	21.17	20.8	24	<=30	Pass	
CP-OFDM 256 QAM	3735	Inner_1RB_Left	19.19	18.59	21.91	20.89	20.29	23.61	<=30	Pass		
		Inner_1RB_Right	19.81	18.69	22.29	21.51	20.39	23.99	<=30	Pass		
		Edge_1RB_Left	19.36	18.62	22.02	21.06	20.32	23.72	<=30	Pass		
		Edge_1RB_Right	19.73	18.69	22.25	21.43	20.39	23.95	<=30	Pass		
	3750	3765	Outer_Full	19.49	19.03	22.28	21.19	20.73	23.98	<=30	Pass	
			Inner_Full	19.49	18.99	22.26	21.19	20.69	23.96	<=30	Pass	
			Inner_1RB_Left	19.58	18.65	22.15	21.28	20.35	23.85	<=30	Pass	
			Inner_1RB_Right	19.80	18.76	22.32	21.5	20.46	24.02	<=30	Pass	
	3765	3735	Edge_1RB_Left	16.21	15.73	18.99	17.91	17.43	20.69	<=30	Pass	
			Edge_1RB_Right	16.61	15.67	19.18	18.31	17.37	20.88	<=30	Pass	
			Outer_Full	16.29	15.87	19.09	17.99	17.57	20.79	<=30	Pass	
			Inner_Full	16.51	15.88	19.22	18.21	17.58	20.92	<=30	Pass	
3750	3750	Inner_1RB_Left	16.30	15.63	18.99	18	17.33	20.69	<=30	Pass		
		Inner_1RB_Right	16.73	15.91	19.35	18.43	17.61	21.05	<=30	Pass		
		Edge_1RB_Left	16.38	15.75	19.09	18.08	17.45	20.79	<=30	Pass		
		Edge_1RB_Right	17.06	15.90	19.53	18.76	17.6	21.23	<=30	Pass		



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3765	Outer_Full	16.55	16.03	19.30	18.25	17.73	21	<=30	Pass
	Inner_Full	16.46	16.03	19.26	18.16	17.73	20.96	<=30	Pass
	Inner_1RB_Left	16.58	15.75	19.20	18.28	17.45	20.9	<=30	Pass
	Inner_1RB_Right	17.05	15.94	19.54	18.75	17.64	21.24	<=30	Pass
	Edge_1RB_Left	16.65	15.84	19.27	18.35	17.54	20.97	<=30	Pass
	Edge_1RB_Right	16.92	15.84	19.42	18.62	17.54	21.12	<=30	Pass
	Outer_Full	16.62	16.06	19.36	18.32	17.76	21.06	<=30	Pass
	Inner_Full	16.52	15.99	19.28	18.22	17.69	20.98	<=30	Pass
	Inner_1RB_Left	16.69	15.78	19.27	18.39	17.48	20.97	<=30	Pass
	Inner_1RB_Right	16.91	15.92	19.46	18.61	17.62	21.16	<=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 n78a 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	3740.01	Edge_1RB_Left	19.14	18.73	21.95	20.84	20.43	23.65	<=30	Pass
		Edge_1RB_Right	19.87	18.89	22.42	21.57	20.59	24.12	<=30	Pass
		Outer_Full	19.95	19.44	22.71	21.65	21.14	24.41	<=30	Pass
		Inner_Full	21.48	21.01	24.26	23.18	22.71	25.96	<=30	Pass
		Inner_1RB_Left	21.03	20.65	23.86	22.73	22.35	25.56	<=30	Pass
		Inner_1RB_Right	21.81	20.86	24.37	23.51	22.56	26.07	<=30	Pass
	3750	Edge_1RB_Left	19.23	18.83	22.05	20.93	20.53	23.75	<=30	Pass
		Edge_1RB_Right	20.13	18.99	22.60	21.83	20.69	24.3	<=30	Pass
		Outer_Full	20.10	19.55	22.84	21.8	21.25	24.54	<=30	Pass
		Inner_Full	21.49	21.08	24.30	23.19	22.78	26	<=30	Pass
		Inner_1RB_Left	21.18	20.74	23.98	22.88	22.44	25.68	<=30	Pass
		Inner_1RB_Right	22.30	21.03	24.72	24	22.73	26.42	<=30	Pass
	3759.99	Edge_1RB_Left	19.55	18.75	22.18	21.25	20.45	23.88	<=30	Pass
		Edge_1RB_Right	20.11	19.09	22.64	21.81	20.79	24.34	<=30	Pass
		Outer_Full	20.20	19.48	22.87	21.9	21.18	24.57	<=30	Pass
		Inner_Full	21.53	21.02	24.29	23.23	22.72	25.99	<=30	Pass
		Inner_1RB_Left	21.46	20.69	24.10	23.16	22.39	25.8	<=30	Pass
		Inner_1RB_Right	21.92	20.92	24.46	23.62	22.62	26.16	<=30	Pass
CP-OFDM 16 QAM	3740.01	Edge_1RB_Left	19.08	19.09	22.10	20.78	20.79	23.8	<=30	Pass
		Edge_1RB_Right	19.89	19.51	22.71	21.59	21.21	24.41	<=30	Pass
		Outer_Full	19.91	19.37	22.66	21.61	21.07	24.36	<=30	Pass
		Inner_Full	21.03	20.44	23.75	22.73	22.14	25.45	<=30	Pass
		Inner_1RB_Left	20.62	20.48	23.56	22.32	22.18	25.26	<=30	Pass
		Inner_1RB_Right	21.45	20.71	24.10	23.15	22.41	25.8	<=30	Pass
	3750	Edge_1RB_Left	19.07	18.94	22.02	20.77	20.64	23.72	<=30	Pass



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		Edge_1RB_Right	20.11	19.28	22.72	21.81	20.98	24.42	<=30	Pass	
		Outer_Full	20.00	19.51	22.77	21.7	21.21	24.47	<=30	Pass	
		Inner_Full	21.00	20.55	23.79	22.7	22.25	25.49	<=30	Pass	
		Inner_1RB_Left	20.72	20.55	23.65	22.42	22.25	25.35	<=30	Pass	
		Inner_1RB_Right	21.60	20.82	24.24	23.3	22.52	25.94	<=30	Pass	
	3759.99	Edge_1RB_Left	19.49	19.06	22.29	21.19	20.76	23.99	<=30	Pass	
		Edge_1RB_Right	20.04	19.17	22.64	21.74	20.87	24.34	<=30	Pass	
		Outer_Full	20.17	19.53	22.87	21.87	21.23	24.57	<=30	Pass	
		Inner_Full	21.08	20.54	23.83	22.78	22.24	25.53	<=30	Pass	
		Inner_1RB_Left	20.98	20.47	23.74	22.68	22.17	25.44	<=30	Pass	
CP-OFDM 64 QAM	3740.01	Inner_1RB_Right	21.54	20.72	24.16	23.24	22.42	25.86	<=30	Pass	
		Edge_1RB_Left	18.92	18.57	21.76	20.62	20.27	23.46	<=30	Pass	
		Edge_1RB_Right	19.70	18.75	22.26	21.4	20.45	23.96	<=30	Pass	
		Outer_Full	19.48	18.89	22.21	21.18	20.59	23.91	<=30	Pass	
		Inner_Full	19.51	18.93	22.24	21.21	20.63	23.94	<=30	Pass	
	3750	Inner_1RB_Left	18.90	18.50	21.71	20.6	20.2	23.41	<=30	Pass	
		Inner_1RB_Right	19.73	18.80	22.30	21.43	20.5	24	<=30	Pass	
		Edge_1RB_Left	18.92	18.55	21.75	20.62	20.25	23.45	<=30	Pass	
		Edge_1RB_Right	19.91	18.80	22.40	21.61	20.5	24.1	<=30	Pass	
		Outer_Full	19.55	18.94	22.27	21.25	20.64	23.97	<=30	Pass	
	3759.99	Inner_Full	19.54	18.98	22.28	21.24	20.68	23.98	<=30	Pass	
		Inner_1RB_Left	18.95	18.49	21.74	20.65	20.19	23.44	<=30	Pass	
		Inner_1RB_Right	19.89	18.83	22.40	21.59	20.53	24.1	<=30	Pass	
		Edge_1RB_Left	19.29	18.65	21.99	20.99	20.35	23.69	<=30	Pass	
		Edge_1RB_Right	19.94	18.92	22.47	21.64	20.62	24.17	<=30	Pass	
	CP-OFDM 256 QAM	3740.01	Outer_Full	19.75	19.03	22.42	21.45	20.73	24.12	<=30	Pass
			Inner_Full	19.47	19.05	22.28	21.17	20.75	23.98	<=30	Pass
			Inner_1RB_Left	19.35	18.63	22.02	21.05	20.33	23.72	<=30	Pass
			Inner_1RB_Right	19.92	18.93	22.46	21.62	20.63	24.16	<=30	Pass
			Edge_1RB_Left	16.27	15.79	19.05	17.97	17.49	20.75	<=30	Pass
3750		Edge_1RB_Right	16.94	15.88	19.45	18.64	17.58	21.15	<=30	Pass	
		Outer_Full	16.43	15.92	19.19	18.13	17.62	20.89	<=30	Pass	
		Inner_Full	16.51	15.92	19.24	18.21	17.62	20.94	<=30	Pass	
		Inner_1RB_Left	16.23	15.69	18.98	17.93	17.39	20.68	<=30	Pass	
		Inner_1RB_Right	17.00	15.96	19.53	18.7	17.66	21.23	<=30	Pass	
3759.99		Edge_1RB_Left	16.21	15.64	18.94	17.91	17.34	20.64	<=30	Pass	
		Edge_1RB_Right	17.21	15.93	19.63	18.91	17.63	21.33	<=30	Pass	
		Outer_Full	16.55	15.93	19.26	18.25	17.63	20.96	<=30	Pass	
		Inner_Full	16.50	16.03	19.28	18.2	17.73	20.98	<=30	Pass	
		Inner_1RB_Left	16.18	15.76	18.98	17.88	17.46	20.68	<=30	Pass	
	Inner_1RB_Right	17.12	16.02	19.62	18.82	17.72	21.32	<=30	Pass		
	Edge_1RB_Left	16.62	15.70	19.20	18.32	17.4	20.9	<=30	Pass		
	Edge_1RB_Right	17.16	16.00	19.63	18.86	17.7	21.33	<=30	Pass		
	Outer_Full	16.75	16.07	19.43	18.45	17.77	21.13	<=30	Pass		
	Inner_Full	16.59	16.05	19.34	18.29	17.75	21.04	<=30	Pass		
		Inner_1RB_Left	16.64	15.81	19.25	18.34	17.51	20.95	<=30	Pass	
		Inner_1RB_Right	17.07	16.02	19.59	18.77	17.72	21.29	<=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 n78a SCS=30kHz MIMO 90MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant4	Sum	Ant1	Ant4	Sum	Limit	
CP-OFDM QPSK	3745.02	Edge_1RB_Left	19.11	18.75	21.94	20.81	20.45	23.64	<=30	Pass
		Edge_1RB_Right	20.08	19.07	22.62	21.78	20.77	24.32	<=30	Pass
		Outer_Full	20.02	19.35	22.71	21.72	21.05	24.41	<=30	Pass
		Inner_Full	21.52	20.89	24.23	23.22	22.59	25.93	<=30	Pass
		Inner_1RB_Left	21.09	20.87	23.99	22.79	22.57	25.69	<=30	Pass
		Inner_1RB_Right	22.08	21.10	24.63	23.78	22.8	26.33	<=30	Pass
	3750	Edge_1RB_Left	19.09	18.70	21.91	20.79	20.4	23.61	<=30	Pass
		Edge_1RB_Right	20.17	19.10	22.68	21.87	20.8	24.38	<=30	Pass
		Outer_Full	20.06	19.43	22.77	21.76	21.13	24.47	<=30	Pass
		Inner_Full	21.49	20.96	24.24	23.19	22.66	25.94	<=30	Pass
		Inner_1RB_Left	21.02	20.93	23.99	22.72	22.63	25.69	<=30	Pass
		Inner_1RB_Right	22.25	21.07	24.71	23.95	22.77	26.41	<=30	Pass
	3754.98	Edge_1RB_Left	19.19	18.83	22.03	20.89	20.53	23.73	<=30	Pass
		Edge_1RB_Right	20.08	18.96	22.56	21.78	20.66	24.26	<=30	Pass
		Outer_Full	20.24	19.60	22.94	21.94	21.3	24.64	<=30	Pass
		Inner_Full	21.64	21.12	24.40	23.34	22.82	26.1	<=30	Pass
		Inner_1RB_Left	21.25	20.99	24.13	22.95	22.69	25.83	<=30	Pass
		Inner_1RB_Right	22.08	21.04	24.60	23.78	22.74	26.3	<=30	Pass
CP-OFDM 16 QAM	3745.02	Edge_1RB_Left	19.05	19.16	22.11	20.75	20.86	23.81	<=30	Pass
		Edge_1RB_Right	20.06	19.50	22.80	21.76	21.2	24.5	<=30	Pass
		Outer_Full	20.01	19.39	22.72	21.71	21.09	24.42	<=30	Pass
		Inner_Full	21.02	20.38	23.72	22.72	22.08	25.42	<=30	Pass
		Inner_1RB_Left	20.68	20.50	23.60	22.38	22.2	25.3	<=30	Pass
		Inner_1RB_Right	21.60	20.96	24.30	23.3	22.66	26	<=30	Pass
	3750	Edge_1RB_Left	19.03	19.30	22.18	20.73	21	23.88	<=30	Pass
		Edge_1RB_Right	20.09	19.45	22.79	21.79	21.15	24.49	<=30	Pass
		Outer_Full	20.04	19.49	22.79	21.74	21.19	24.49	<=30	Pass
		Inner_Full	21.10	20.50	23.82	22.8	22.2	25.52	<=30	Pass
		Inner_1RB_Left	20.59	20.57	23.59	22.29	22.27	25.29	<=30	Pass
		Inner_1RB_Right	21.61	20.98	24.32	23.31	22.68	26.02	<=30	Pass
	3754.98	Edge_1RB_Left	19.02	19.13	22.08	20.72	20.83	23.78	<=30	Pass
		Edge_1RB_Right	20.05	19.39	22.74	21.75	21.09	24.44	<=30	Pass
		Outer_Full	20.27	19.57	22.94	21.97	21.27	24.64	<=30	Pass
		Inner_Full	21.21	20.61	23.93	22.91	22.31	25.63	<=30	Pass
		Inner_1RB_Left	20.57	20.45	23.52	22.27	22.15	25.22	<=30	Pass
		Inner_1RB_Right	21.56	20.87	24.24	23.26	22.57	25.94	<=30	Pass



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CP-OFDM 64 QAM	3745.02	Edge_1RB_Left	18.89	18.44	21.68	20.59	20.14	23.38	<=30	Pass
		Edge_1RB_Right	19.95	18.91	22.47	21.65	20.61	24.17	<=30	Pass
		Outer_Full	19.50	18.89	22.22	21.2	20.59	23.92	<=30	Pass
		Inner_Full	19.48	18.92	22.22	21.18	20.62	23.92	<=30	Pass
		Inner_1RB_Left	18.87	18.41	21.66	20.57	20.11	23.36	<=30	Pass
	Inner_1RB_Right	19.99	18.96	22.52	21.69	20.66	24.22	<=30	Pass	
	3750	Edge_1RB_Left	18.86	18.61	21.75	20.56	20.31	23.45	<=30	Pass
		Edge_1RB_Right	19.98	18.86	22.47	21.68	20.56	24.17	<=30	Pass
		Outer_Full	19.63	19.01	22.34	21.33	20.71	24.04	<=30	Pass
		Inner_Full	19.54	19.03	22.30	21.24	20.73	24	<=30	Pass
		Inner_1RB_Left	18.95	18.62	21.80	20.65	20.32	23.5	<=30	Pass
	Inner_1RB_Right	20.02	18.94	22.53	21.72	20.64	24.23	<=30	Pass	
	3754.98	Edge_1RB_Left	18.88	18.59	21.75	20.58	20.29	23.45	<=30	Pass
		Edge_1RB_Right	19.88	18.80	22.38	21.58	20.5	24.08	<=30	Pass
		Outer_Full	19.66	19.14	22.42	21.36	20.84	24.12	<=30	Pass
Inner_Full		19.58	19.16	22.39	21.28	20.86	24.09	<=30	Pass	
Inner_1RB_Left		18.90	18.54	21.73	20.6	20.24	23.43	<=30	Pass	
Inner_1RB_Right	19.96	18.86	22.45	21.66	20.56	24.15	<=30	Pass		
CP-OFDM 256 QAM	3745.02	Edge_1RB_Left	16.21	15.60	18.93	17.91	17.3	20.63	<=30	Pass
		Edge_1RB_Right	17.17	16.13	19.69	18.87	17.83	21.39	<=30	Pass
		Outer_Full	16.52	15.94	19.25	18.22	17.64	20.95	<=30	Pass
		Inner_Full	16.49	15.92	19.22	18.19	17.62	20.92	<=30	Pass
		Inner_1RB_Left	16.11	15.55	18.85	17.81	17.25	20.55	<=30	Pass
	Inner_1RB_Right	17.16	16.05	19.65	18.86	17.75	21.35	<=30	Pass	
	3750	Edge_1RB_Left	16.14	15.66	18.92	17.84	17.36	20.62	<=30	Pass
		Edge_1RB_Right	17.18	16.01	19.65	18.88	17.71	21.35	<=30	Pass
		Outer_Full	16.57	15.97	19.29	18.27	17.67	20.99	<=30	Pass
		Inner_Full	16.56	15.96	19.28	18.26	17.66	20.98	<=30	Pass
		Inner_1RB_Left	16.18	15.71	18.96	17.88	17.41	20.66	<=30	Pass
	Inner_1RB_Right	17.21	16.03	19.67	18.91	17.73	21.37	<=30	Pass	
	3754.98	Edge_1RB_Left	16.13	15.75	18.96	17.83	17.45	20.66	<=30	Pass
		Edge_1RB_Right	17.09	16.02	19.60	18.79	17.72	21.3	<=30	Pass
		Outer_Full	16.70	16.13	19.43	18.4	17.83	21.13	<=30	Pass
Inner_Full		16.57	16.13	19.37	18.27	17.83	21.07	<=30	Pass	
Inner_1RB_Left		16.17	15.78	18.99	17.87	17.48	20.69	<=30	Pass	
Inner_1RB_Right	17.14	15.98	19.61	18.84	17.68	21.31	<=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 n78a SCS=30kHz MIMO 100MHz NTNv					
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	3750	Edge_1RB_Left	19.11	18.73	21.93	20.81	20.43	23.63	<=30	Pass
		Edge_1RB_Right	20.05	19.14	22.63	21.75	20.84	24.33	<=30	Pass
		Outer_Full	20.11	19.55	22.85	21.81	21.25	24.55	<=30	Pass
		Inner_Full	21.53	21.00	24.29	23.23	22.7	25.99	<=30	Pass
		Inner_1RB_Left	21.24	20.78	24.03	22.94	22.48	25.73	<=30	Pass
	Inner_1RB_Right	22.11	21.06	24.62	23.81	22.76	26.32	<=30	Pass	
	3750	Edge_1RB_Left	19.19	18.86	22.04	20.89	20.56	23.74	<=30	Pass
		Edge_1RB_Right	20.10	19.06	22.62	21.8	20.76	24.32	<=30	Pass
		Outer_Full	20.07	19.47	22.79	21.77	21.17	24.49	<=30	Pass
		Inner_Full	21.49	21.11	24.31	23.19	22.81	26.01	<=30	Pass
		Inner_1RB_Left	21.27	20.83	24.07	22.97	22.53	25.77	<=30	Pass
	Inner_1RB_Right	22.19	21.01	24.65	23.89	22.71	26.35	<=30	Pass	
	3750	Edge_1RB_Left	19.16	18.81	22.00	20.86	20.51	23.7	<=30	Pass
		Edge_1RB_Right	20.12	19.13	22.66	21.82	20.83	24.36	<=30	Pass
		Outer_Full	20.11	19.43	22.79	21.81	21.13	24.49	<=30	Pass
Inner_Full		21.55	21.00	24.30	23.25	22.7	26	<=30	Pass	
Inner_1RB_Left		21.15	20.85	24.01	22.85	22.55	25.71	<=30	Pass	
Inner_1RB_Right	22.14	21.06	24.64	23.84	22.76	26.34	<=30	Pass		
CP-OFDM 16 QAM	3750	Edge_1RB_Left	19.17	19.01	22.10	20.87	20.71	23.8	<=30	Pass
		Edge_1RB_Right	20.14	19.33	22.76	21.84	21.03	24.46	<=30	Pass
		Outer_Full	20.05	19.53	22.81	21.75	21.23	24.51	<=30	Pass
		Inner_Full	21.00	20.56	23.79	22.7	22.26	25.49	<=30	Pass
		Inner_1RB_Left	20.81	20.53	23.68	22.51	22.23	25.38	<=30	Pass
	Inner_1RB_Right	21.64	20.86	24.28	23.34	22.56	25.98	<=30	Pass	
	3750	Edge_1RB_Left	19.19	18.99	22.10	20.89	20.69	23.8	<=30	Pass
		Edge_1RB_Right	20.15	19.42	22.81	21.85	21.12	24.51	<=30	Pass
		Outer_Full	20.14	19.45	22.82	21.84	21.15	24.52	<=30	Pass
		Inner_Full	21.08	20.48	23.80	22.78	22.18	25.5	<=30	Pass
		Inner_1RB_Left	20.72	20.43	23.58	22.42	22.13	25.28	<=30	Pass
	Inner_1RB_Right	21.73	20.96	24.37	23.43	22.66	26.07	<=30	Pass	
	3750	Edge_1RB_Left	19.14	18.87	22.02	20.84	20.57	23.72	<=30	Pass
		Edge_1RB_Right	20.19	19.32	22.78	21.89	21.02	24.48	<=30	Pass
		Outer_Full	20.13	19.51	22.84	21.83	21.21	24.54	<=30	Pass
Inner_Full		21.07	20.53	23.82	22.77	22.23	25.52	<=30	Pass	
Inner_1RB_Left		20.59	20.45	23.53	22.29	22.15	25.23	<=30	Pass	
Inner_1RB_Right	21.70	20.87	24.32	23.4	22.57	26.02	<=30	Pass		
CP-OFDM 64 QAM	3750	Edge_1RB_Left	19.03	18.62	21.84	20.73	20.32	23.54	<=30	Pass
		Edge_1RB_Right	20.04	18.97	22.55	21.74	20.67	24.25	<=30	Pass
		Outer_Full	19.55	18.92	22.26	21.25	20.62	23.96	<=30	Pass
		Inner_Full	19.56	18.95	22.28	21.26	20.65	23.98	<=30	Pass
		Inner_1RB_Left	19.05	18.58	21.83	20.75	20.28	23.53	<=30	Pass
	Inner_1RB_Right	20.04	18.99	22.56	21.74	20.69	24.26	<=30	Pass	
	3750	Edge_1RB_Left	18.88	18.57	21.74	20.58	20.27	23.44	<=30	Pass
		Edge_1RB_Right	19.96	18.90	22.47	21.66	20.6	24.17	<=30	Pass
		Outer_Full	19.55	18.93	22.26	21.25	20.63	23.96	<=30	Pass
		Inner_Full	19.60	18.97	22.30	21.3	20.67	24	<=30	Pass
Inner_1RB_Left		18.98	18.56	21.79	20.68	20.26	23.49	<=30	Pass	



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	3750	Inner_1RB_Right	19.96	18.91	22.47	21.66	20.61	24.17	<=30	Pass
		Edge_1RB_Left	18.96	18.65	21.82	20.66	20.35	23.52	<=30	Pass
		Edge_1RB_Right	20.04	18.93	22.53	21.74	20.63	24.23	<=30	Pass
		Outer_Full	19.63	19.01	22.35	21.33	20.71	24.05	<=30	Pass
		Inner_Full	19.58	19.05	22.34	21.28	20.75	24.04	<=30	Pass
		Inner_1RB_Left	18.97	18.53	21.77	20.67	20.23	23.47	<=30	Pass
CP-OFDM 256 QAM	3750	Inner_1RB_Right	20.04	18.99	22.55	21.74	20.69	24.25	<=30	Pass
		Edge_1RB_Left	16.28	15.74	19.03	17.98	17.44	20.73	<=30	Pass
		Edge_1RB_Right	17.10	16.02	19.60	18.8	17.72	21.3	<=30	Pass
		Outer_Full	16.58	16.01	19.31	18.28	17.71	21.01	<=30	Pass
		Inner_Full	16.57	16.11	19.36	18.27	17.81	21.06	<=30	Pass
		Inner_1RB_Left	16.25	15.75	19.02	17.95	17.45	20.72	<=30	Pass
	3750	Inner_1RB_Right	17.24	16.02	19.68	18.94	17.72	21.38	<=30	Pass
		Edge_1RB_Left	16.10	15.75	18.94	17.8	17.45	20.64	<=30	Pass
		Edge_1RB_Right	17.12	16.13	19.67	18.82	17.83	21.37	<=30	Pass
		Outer_Full	16.57	15.96	19.29	18.27	17.66	20.99	<=30	Pass
		Inner_Full	16.58	16.00	19.31	18.28	17.7	21.01	<=30	Pass
		Inner_1RB_Left	16.21	15.60	18.93	17.91	17.3	20.63	<=30	Pass
	3750	Inner_1RB_Right	17.30	16.05	19.73	19	17.75	21.43	<=30	Pass
		Edge_1RB_Left	16.13	15.69	18.92	17.83	17.39	20.62	<=30	Pass
		Edge_1RB_Right	17.19	16.03	19.66	18.89	17.73	21.36	<=30	Pass
		Outer_Full	16.65	16.04	19.37	18.35	17.74	21.07	<=30	Pass
		Inner_Full	16.59	16.00	19.32	18.29	17.7	21.02	<=30	Pass
		Inner_1RB_Left	16.14	15.71	18.94	17.84	17.41	20.64	<=30	Pass
		Inner_1RB_Right	17.21	16.05	19.68	18.91	17.75	21.38	<=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 n78a 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	3750	Outer_Full	20	LV	-9.80	-0.0026	/	Pass
				HV	-6.30	-0.0017	/	Pass
			-30	NV	-3.70	-0.0010	/	Pass
				NV	-14.10	-0.0038	/	Pass
			-10	NV	-15.20	-0.0041	/	Pass
				NV	-23.50	-0.0063	/	Pass
			10	NV	-18.90	-0.0050	/	Pass
				NV	-13.60	-0.0036	/	Pass
			30	NV	-9.90	-0.0026	/	Pass
				NV	-12.70	-0.0034	/	Pass
50	NV	-12.20	-0.0033	/	Pass			
	NV	-12.20	-0.0033	/	Pass			
DFT-s-OFDM QPSK	3750	Outer_Full	20	LV	-14.50	-0.0039	/	Pass
				HV	-24.80	-0.0066	/	Pass
			-30	NV	-7.40	-0.0020	/	Pass
				NV	-22.40	-0.0060	/	Pass
			-10	NV	-8.10	-0.0022	/	Pass
				NV	-7.40	-0.0020	/	Pass
			10	NV	-23.60	-0.0063	/	Pass
				NV	-13.50	-0.0036	/	Pass
			30	NV	-8.10	-0.0022	/	Pass
				NV	-15.50	-0.0041	/	Pass
50	NV	-16.70	-0.0045	/	Pass			
	NV	-16.70	-0.0045	/	Pass			
DFT-s-OFDM 16 QAM	3750	Outer_Full	20	LV	-13.20	-0.0035	/	Pass
				HV	3.30	0.0009	/	Pass
			-30	NV	-16.00	-0.0043	/	Pass
				NV	-14.00	-0.0037	/	Pass
			-10	NV	-15.60	-0.0042	/	Pass
				NV	-6.10	-0.0016	/	Pass
			10	NV	-9.20	-0.0025	/	Pass
				NV	-15.50	-0.0041	/	Pass
			30	NV	-11.90	-0.0032	/	Pass
				NV	-24.50	-0.0065	/	Pass
50	NV	-11.70	-0.0031	/	Pass			
	NV	-11.70	-0.0031	/	Pass			
DFT-s-OFDM 64 QAM	3750	Outer_Full	20	LV	-9.10	-0.0024	/	Pass
				HV	-22.60	-0.0060	/	Pass
			-30	NV	-12.90	-0.0034	/	Pass
				NV	-18.50	-0.0049	/	Pass



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			-10	NV	-14.70	-0.0039	/	Pass			
			0	NV	-15.70	-0.0042	/	Pass			
			10	NV	-10.80	-0.0029	/	Pass			
			20	NV	-13.50	-0.0036	/	Pass			
			30	NV	-4.70	-0.0013	/	Pass			
			40	NV	-13.90	-0.0037	/	Pass			
			50	NV	-10.00	-0.0027	/	Pass			
DFT-s-OFDM 256 QAM	3750	Outer_Full	20	LV	-13.00	-0.0035	/	Pass			
				HV	-5.00	-0.0013	/	Pass			
						-30	NV	-9.70	-0.0026	/	Pass
						-20	NV	-14.10	-0.0038	/	Pass
						-10	NV	-12.30	-0.0033	/	Pass
						0	NV	-16.60	-0.0044	/	Pass
						10	NV	-15.40	-0.0041	/	Pass
						20	NV	-25.70	-0.0069	/	Pass
						30	NV	-22.70	-0.0061	/	Pass
						40	NV	-15.10	-0.0040	/	Pass
			50	NV	-4.10	-0.0011	/	Pass			
CP-OFDM QPSK	3750	Outer_Full	20	LV	-7.90	-0.0021	/	Pass			
				HV	-11.70	-0.0031	/	Pass			
						-30	NV	-7.70	-0.0021	/	Pass
						-20	NV	-14.00	-0.0037	/	Pass
						-10	NV	-6.40	-0.0017	/	Pass
						0	NV	-17.50	-0.0047	/	Pass
						10	NV	-18.60	-0.0050	/	Pass
						20	NV	-13.40	-0.0036	/	Pass
						30	NV	-14.30	-0.0038	/	Pass
						40	NV	-10.60	-0.0028	/	Pass
			50	NV	-20.90	-0.0056	/	Pass			
CP-OFDM 16 QAM	3750	Outer_Full	20	LV	-11.40	-0.0030	/	Pass			
				HV	-15.00	-0.0040	/	Pass			
						-30	NV	-23.30	-0.0062	/	Pass
						-20	NV	-12.00	-0.0032	/	Pass
						-10	NV	-11.30	-0.0030	/	Pass
						0	NV	-4.50	-0.0012	/	Pass
						10	NV	-11.40	-0.0030	/	Pass
						20	NV	-9.60	-0.0026	/	Pass
						30	NV	-10.30	-0.0027	/	Pass
						40	NV	-8.60	-0.0023	/	Pass
			50	NV	-8.40	-0.0022	/	Pass			
CP-OFDM 64 QAM	3750	Outer_Full	20	LV	-16.50	-0.0044	/	Pass			
				HV	-14.80	-0.0039	/	Pass			
						-30	NV	4.50	0.0012	/	Pass
						-20	NV	-6.60	-0.0018	/	Pass
						-10	NV	-11.70	-0.0031	/	Pass
						0	NV	-7.30	-0.0019	/	Pass
						10	NV	-15.00	-0.0040	/	Pass
			20	NV	-14.30	-0.0038	/	Pass			



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