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Appendix B.43

NR Band n41



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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 n41 SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum		
DFT-s-OFDM PI/2 BPSK	2506.02	Edge_1RB_Left	23.01	/	/	25.21	/	/	<=33	Pass
		Edge_1RB_Right	23.15	/	/	25.35	/	/	<=33	Pass
		Outer_Full	24.48	/	/	26.68	/	/	<=33	Pass
		Inner_Full	26.50	/	/	28.7	/	/	<=33	Pass
		Inner_1RB_Left	26.42	/	/	28.62	/	/	<=33	Pass
		Inner_1RB_Right	26.46	/	/	28.66	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	23.06	/	/	25.26	/	/	<=33	Pass
		Edge_1RB_Right	23.02	/	/	25.22	/	/	<=33	Pass
		Outer_Full	24.70	/	/	26.9	/	/	<=33	Pass
		Inner_Full	26.59	/	/	28.79	/	/	<=33	Pass
		Inner_1RB_Left	26.52	/	/	28.72	/	/	<=33	Pass
		Inner_1RB_Right	26.58	/	/	28.78	/	/	<=33	Pass
	2679.99	Edge_1RB_Left	22.88	/	/	25.08	/	/	<=33	Pass
		Edge_1RB_Right	22.64	/	/	24.84	/	/	<=33	Pass
		Outer_Full	24.19	/	/	26.39	/	/	<=33	Pass
		Inner_Full	26.16	/	/	28.36	/	/	<=33	Pass
		Inner_1RB_Left	26.38	/	/	28.58	/	/	<=33	Pass
		Inner_1RB_Right	26.09	/	/	28.29	/	/	<=33	Pass
DFT-s-OFDM QPSK	2506.02	Edge_1RB_Left	22.92	/	/	25.12	/	/	<=33	Pass
		Edge_1RB_Right	22.99	/	/	25.19	/	/	<=33	Pass
		Outer_Full	24.02	/	/	26.22	/	/	<=33	Pass
		Inner_Full	26.45	/	/	28.65	/	/	<=33	Pass
		Inner_1RB_Left	26.43	/	/	28.63	/	/	<=33	Pass
		Inner_1RB_Right	26.50	/	/	28.7	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	23.05	/	/	25.25	/	/	<=33	Pass
		Edge_1RB_Right	22.99	/	/	25.19	/	/	<=33	Pass
		Outer_Full	24.18	/	/	26.38	/	/	<=33	Pass
		Inner_Full	26.61	/	/	28.81	/	/	<=33	Pass
		Inner_1RB_Left	26.53	/	/	28.73	/	/	<=33	Pass
		Inner_1RB_Right	26.56	/	/	28.76	/	/	<=33	Pass
	2679.99	Edge_1RB_Left	22.85	/	/	25.05	/	/	<=33	Pass
		Edge_1RB_Right	22.62	/	/	24.82	/	/	<=33	Pass
		Outer_Full	23.71	/	/	25.91	/	/	<=33	Pass
		Inner_Full	26.14	/	/	28.34	/	/	<=33	Pass
		Inner_1RB_Left	26.28	/	/	28.48	/	/	<=33	Pass
		Inner_1RB_Right	26.12	/	/	28.32	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2506.02	Edge_1RB_Left	22.92	/	/	25.12	/	/	<=33	Pass



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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		Edge_1RB_Right	23.03	/	/	25.23	/	/	<=33	Pass
		Outer_Full	23.02	/	/	25.22	/	/	<=33	Pass
		Inner_Full	25.46	/	/	27.66	/	/	<=33	Pass
		Inner_1RB_Left	25.35	/	/	27.55	/	/	<=33	Pass
		Inner_1RB_Right	25.43	/	/	27.63	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	23.03	/	/	25.23	/	/	<=33	Pass
		Edge_1RB_Right	22.97	/	/	25.17	/	/	<=33	Pass
		Outer_Full	23.15	/	/	25.35	/	/	<=33	Pass
		Inner_Full	25.62	/	/	27.82	/	/	<=33	Pass
		Inner_1RB_Left	25.50	/	/	27.7	/	/	<=33	Pass
	2679.99	Inner_1RB_Right	25.47	/	/	27.67	/	/	<=33	Pass
		Edge_1RB_Left	22.76	/	/	24.96	/	/	<=33	Pass
		Edge_1RB_Right	22.53	/	/	24.73	/	/	<=33	Pass
		Outer_Full	22.75	/	/	24.95	/	/	<=33	Pass
		Inner_Full	25.13	/	/	27.33	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2506.02	Inner_1RB_Left	25.16	/	/	27.36	/	/	<=33	Pass
		Inner_1RB_Right	24.96	/	/	27.16	/	/	<=33	Pass
		Edge_1RB_Left	23.05	/	/	25.25	/	/	<=33	Pass
		Edge_1RB_Right	23.14	/	/	25.34	/	/	<=33	Pass
		Outer_Full	22.54	/	/	24.74	/	/	<=33	Pass
	2592.99	Inner_Full	24.01	/	/	26.21	/	/	<=33	Pass
		Inner_1RB_Left	24.04	/	/	26.24	/	/	<=33	Pass
		Inner_1RB_Right	24.10	/	/	26.3	/	/	<=33	Pass
		Edge_1RB_Left	23.17	/	/	25.37	/	/	<=33	Pass
		Edge_1RB_Right	23.25	/	/	25.45	/	/	<=33	Pass
	2679.99	Outer_Full	22.64	/	/	24.84	/	/	<=33	Pass
		Inner_Full	24.17	/	/	26.37	/	/	<=33	Pass
		Inner_1RB_Left	24.11	/	/	26.31	/	/	<=33	Pass
		Inner_1RB_Right	24.11	/	/	26.31	/	/	<=33	Pass
		Edge_1RB_Left	22.98	/	/	25.18	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2506.02	Edge_1RB_Right	22.75	/	/	24.95	/	/	<=33	Pass
		Outer_Full	22.24	/	/	24.44	/	/	<=33	Pass
		Inner_Full	23.68	/	/	25.88	/	/	<=33	Pass
		Inner_1RB_Left	23.85	/	/	26.05	/	/	<=33	Pass
		Inner_1RB_Right	23.64	/	/	25.84	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	21.85	/	/	24.05	/	/	<=33	Pass
		Edge_1RB_Right	21.89	/	/	24.09	/	/	<=33	Pass
		Outer_Full	21.99	/	/	24.19	/	/	<=33	Pass
		Inner_Full	21.92	/	/	24.12	/	/	<=33	Pass
		Inner_1RB_Left	21.91	/	/	24.11	/	/	<=33	Pass
	2679.99	Inner_1RB_Right	21.87	/	/	24.07	/	/	<=33	Pass
		Edge_1RB_Left	22.01	/	/	24.21	/	/	<=33	Pass
		Edge_1RB_Right	22.06	/	/	24.26	/	/	<=33	Pass
		Outer_Full	22.10	/	/	24.3	/	/	<=33	Pass
		Inner_Full	22.18	/	/	24.38	/	/	<=33	Pass
	2592.99	Inner_1RB_Left	21.89	/	/	24.09	/	/	<=33	Pass
		Inner_1RB_Right	22.07	/	/	24.27	/	/	<=33	Pass
	2679.99	Edge_1RB_Left	21.77	/	/	23.97	/	/	<=33	Pass



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 Shenzhen Branch, Inspection & Testing Services Wireless Laboratory

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		Edge_1RB_Right	21.52	/	/	23.72	/	/	<=33	Pass
		Outer_Full	21.60	/	/	23.8	/	/	<=33	Pass
		Inner_Full	21.71	/	/	23.91	/	/	<=33	Pass
		Inner_1RB_Left	21.77	/	/	23.97	/	/	<=33	Pass
		Inner_1RB_Right	21.61	/	/	23.81	/	/	<=33	Pass
CP-OFDM QPSK	2506.02	Edge_1RB_Left	22.95	/	/	25.15	/	/	<=33	Pass
		Edge_1RB_Right	22.95	/	/	25.15	/	/	<=33	Pass
		Outer_Full	22.97	/	/	25.17	/	/	<=33	Pass
		Inner_Full	24.89	/	/	27.09	/	/	<=33	Pass
		Inner_1RB_Left	25.00	/	/	27.2	/	/	<=33	Pass
	2592.99	Inner_1RB_Right	24.95	/	/	27.15	/	/	<=33	Pass
		Edge_1RB_Left	23.03	/	/	25.23	/	/	<=33	Pass
		Edge_1RB_Right	22.99	/	/	25.19	/	/	<=33	Pass
		Outer_Full	23.11	/	/	25.31	/	/	<=33	Pass
		Inner_Full	25.12	/	/	27.32	/	/	<=33	Pass
	2679.99	Inner_1RB_Left	25.04	/	/	27.24	/	/	<=33	Pass
		Inner_1RB_Right	24.97	/	/	27.17	/	/	<=33	Pass
		Edge_1RB_Left	22.92	/	/	25.12	/	/	<=33	Pass
		Edge_1RB_Right	22.65	/	/	24.85	/	/	<=33	Pass
		Outer_Full	22.69	/	/	24.89	/	/	<=33	Pass
CP-OFDM 16 QAM	2506.02	Inner_Full	24.57	/	/	26.77	/	/	<=33	Pass
		Inner_1RB_Left	24.78	/	/	26.98	/	/	<=33	Pass
		Inner_1RB_Right	24.69	/	/	26.89	/	/	<=33	Pass
		Edge_1RB_Left	23.48	/	/	25.68	/	/	<=33	Pass
		Edge_1RB_Right	23.49	/	/	25.69	/	/	<=33	Pass
	2592.99	Outer_Full	22.00	/	/	24.2	/	/	<=33	Pass
		Inner_Full	24.46	/	/	26.66	/	/	<=33	Pass
		Inner_1RB_Left	24.39	/	/	26.59	/	/	<=33	Pass
		Inner_1RB_Right	24.34	/	/	26.54	/	/	<=33	Pass
		Edge_1RB_Left	23.54	/	/	25.74	/	/	<=33	Pass
	2679.99	Edge_1RB_Right	23.60	/	/	25.8	/	/	<=33	Pass
		Outer_Full	22.14	/	/	24.34	/	/	<=33	Pass
		Inner_Full	24.62	/	/	26.82	/	/	<=33	Pass
		Inner_1RB_Left	24.57	/	/	26.77	/	/	<=33	Pass
		Inner_1RB_Right	24.53	/	/	26.73	/	/	<=33	Pass
CP-OFDM 64 QAM	2506.02	Edge_1RB_Left	23.25	/	/	25.45	/	/	<=33	Pass
		Edge_1RB_Right	23.02	/	/	25.22	/	/	<=33	Pass
		Outer_Full	21.71	/	/	23.91	/	/	<=33	Pass
		Inner_Full	24.08	/	/	26.28	/	/	<=33	Pass
		Inner_1RB_Left	24.24	/	/	26.44	/	/	<=33	Pass
2592.99	Inner_1RB_Right	24.01	/	/	26.21	/	/	<=33	Pass	
	Edge_1RB_Left	23.03	/	/	25.23	/	/	<=33	Pass	
	Edge_1RB_Right	23.06	/	/	25.26	/	/	<=33	Pass	
	Outer_Full	21.49	/	/	23.69	/	/	<=33	Pass	
	Inner_Full	22.96	/	/	25.16	/	/	<=33	Pass	
	2592.99	Inner_1RB_Left	23.02	/	/	25.22	/	/	<=33	Pass
		Inner_1RB_Right	23.09	/	/	25.29	/	/	<=33	Pass
		Edge_1RB_Left	23.07	/	/	25.27	/	/	<=33	Pass



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CP-OFDM 256 QAM	2679.99	Edge_1RB_Right	23.15	/	/	25.35	/	/	<=33	Pass
		Outer_Full	21.65	/	/	23.85	/	/	<=33	Pass
		Inner_Full	23.15	/	/	25.35	/	/	<=33	Pass
		Inner_1RB_Left	23.02	/	/	25.22	/	/	<=33	Pass
		Inner_1RB_Right	22.99	/	/	25.19	/	/	<=33	Pass
	2679.99	Edge_1RB_Right	22.83	/	/	25.03	/	/	<=33	Pass
		Edge_1RB_Right	22.59	/	/	24.79	/	/	<=33	Pass
		Outer_Full	21.14	/	/	23.34	/	/	<=33	Pass
		Inner_Full	22.62	/	/	24.82	/	/	<=33	Pass
		Inner_1RB_Left	22.88	/	/	25.08	/	/	<=33	Pass
	2506.02	Inner_1RB_Right	22.57	/	/	24.77	/	/	<=33	Pass
		Edge_1RB_Left	20.05	/	/	22.25	/	/	<=33	Pass
		Edge_1RB_Right	19.87	/	/	22.07	/	/	<=33	Pass
		Outer_Full	19.90	/	/	22.1	/	/	<=33	Pass
		Inner_Full	19.98	/	/	22.18	/	/	<=33	Pass
	2592.99	Inner_1RB_Left	20.01	/	/	22.21	/	/	<=33	Pass
		Inner_1RB_Right	20.03	/	/	22.23	/	/	<=33	Pass
		Edge_1RB_Left	19.88	/	/	22.08	/	/	<=33	Pass
Edge_1RB_Right		19.96	/	/	22.16	/	/	<=33	Pass	
Outer_Full		20.01	/	/	22.21	/	/	<=33	Pass	
2679.99	Inner_Full	20.12	/	/	22.32	/	/	<=33	Pass	
	Inner_1RB_Left	20.12	/	/	22.32	/	/	<=33	Pass	
	Inner_1RB_Right	20.04	/	/	22.24	/	/	<=33	Pass	
	Edge_1RB_Left	19.84	/	/	22.04	/	/	<=33	Pass	
	Edge_1RB_Right	19.68	/	/	21.88	/	/	<=33	Pass	
Note1: Antenna Gain: Ant0: 2.2dBi; Ant4: 2.2dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.2 30k_SISO_30MHz_NTNV_EIRP

1.2.1 Test Result

5G NR n41 SCS=30kHz SISO 30MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2511	Edge_1RB_Left	22.91	/	/	25.11	/	/	<=33	Pass
		Edge_1RB_Right	23.19	/	/	25.39	/	/	<=33	Pass
		Outer_Full	24.68	/	/	26.88	/	/	<=33	Pass
		Inner_Full	26.60	/	/	28.8	/	/	<=33	Pass
		Inner_1RB_Left	26.40	/	/	28.6	/	/	<=33	Pass
	Inner_1RB_Right	26.71	/	/	28.91	/	/	<=33	Pass	
	2592.99	Edge_1RB_Left	23.10	/	/	25.3	/	/	<=33	Pass



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DFT-s-OFDM QPSK	2674.98	Edge_1RB_Right	23.15	/	/	25.35	/	/	<=33	Pass
		Outer_Full	24.73	/	/	26.93	/	/	<=33	Pass
		Inner_Full	26.56	/	/	28.76	/	/	<=33	Pass
		Inner_1RB_Left	26.56	/	/	28.76	/	/	<=33	Pass
		Inner_1RB_Right	26.60	/	/	28.8	/	/	<=33	Pass
	2511	Edge_1RB_Left	23.14	/	/	25.34	/	/	<=33	Pass
		Edge_1RB_Right	22.90	/	/	25.1	/	/	<=33	Pass
		Outer_Full	24.47	/	/	26.67	/	/	<=33	Pass
		Inner_Full	26.34	/	/	28.54	/	/	<=33	Pass
		Inner_1RB_Left	26.62	/	/	28.82	/	/	<=33	Pass
	2592.99	Inner_1RB_Right	26.37	/	/	28.57	/	/	<=33	Pass
		Edge_1RB_Left	22.96	/	/	25.16	/	/	<=33	Pass
		Edge_1RB_Right	23.18	/	/	25.38	/	/	<=33	Pass
		Outer_Full	24.19	/	/	26.39	/	/	<=33	Pass
		Inner_Full	26.53	/	/	28.73	/	/	<=33	Pass
2674.98	Inner_1RB_Left	26.44	/	/	28.64	/	/	<=33	Pass	
	Inner_1RB_Right	26.73	/	/	28.93	/	/	<=33	Pass	
	Edge_1RB_Left	23.14	/	/	25.34	/	/	<=33	Pass	
	Edge_1RB_Right	23.10	/	/	25.3	/	/	<=33	Pass	
	Outer_Full	24.27	/	/	26.47	/	/	<=33	Pass	
DFT-s-OFDM 16 QAM	2511	Inner_Full	26.62	/	/	28.82	/	/	<=33	Pass
		Inner_1RB_Left	26.63	/	/	28.83	/	/	<=33	Pass
		Inner_1RB_Right	26.70	/	/	28.9	/	/	<=33	Pass
		Edge_1RB_Left	23.10	/	/	25.3	/	/	<=33	Pass
		Edge_1RB_Right	22.85	/	/	25.05	/	/	<=33	Pass
	2592.99	Outer_Full	24.00	/	/	26.2	/	/	<=33	Pass
		Inner_Full	26.39	/	/	28.59	/	/	<=33	Pass
		Inner_1RB_Left	26.57	/	/	28.77	/	/	<=33	Pass
		Inner_1RB_Right	26.34	/	/	28.54	/	/	<=33	Pass
		Edge_1RB_Left	23.00	/	/	25.2	/	/	<=33	Pass
	2674.98	Edge_1RB_Right	23.25	/	/	25.45	/	/	<=33	Pass
		Outer_Full	23.24	/	/	25.44	/	/	<=33	Pass
		Inner_Full	25.61	/	/	27.81	/	/	<=33	Pass
		Inner_1RB_Left	25.37	/	/	27.57	/	/	<=33	Pass
		Inner_1RB_Right	25.71	/	/	27.91	/	/	<=33	Pass
2511	Edge_1RB_Left	23.11	/	/	25.31	/	/	<=33	Pass	
	Edge_1RB_Right	23.19	/	/	25.39	/	/	<=33	Pass	
	Outer_Full	23.29	/	/	25.49	/	/	<=33	Pass	
	Inner_Full	25.69	/	/	27.89	/	/	<=33	Pass	
	Inner_1RB_Left	25.67	/	/	27.87	/	/	<=33	Pass	
2592.99	Inner_1RB_Right	25.58	/	/	27.78	/	/	<=33	Pass	
	Edge_1RB_Left	23.07	/	/	25.27	/	/	<=33	Pass	
	Edge_1RB_Right	22.83	/	/	25.03	/	/	<=33	Pass	
	Outer_Full	23.02	/	/	25.22	/	/	<=33	Pass	
	Inner_Full	25.27	/	/	27.47	/	/	<=33	Pass	
2674.98	Inner_1RB_Left	25.38	/	/	27.58	/	/	<=33	Pass	
	Inner_1RB_Right	25.22	/	/	27.42	/	/	<=33	Pass	
	Edge_1RB_Left	23.19	/	/	25.39	/	/	<=33	Pass	
	Edge_1RB_Right	23.19	/	/	25.39	/	/	<=33	Pass	
	Outer_Full	23.29	/	/	25.49	/	/	<=33	Pass	
DFT-s-OFDM 64 QAM	2511	Edge_1RB_Left	23.19	/	/	25.39	/	/	<=33	Pass



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 Shenzhen Branch, Inspection & Testing Services Wireless Laboratory

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 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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		Edge_1RB_Right	23.39	/	/	25.59	/	/	<=33	Pass
		Outer_Full	22.66	/	/	24.86	/	/	<=33	Pass
		Inner_Full	24.16	/	/	26.36	/	/	<=33	Pass
		Inner_1RB_Left	24.19	/	/	26.39	/	/	<=33	Pass
		Inner_1RB_Right	24.49	/	/	26.69	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	23.42	/	/	25.62	/	/	<=33	Pass
		Edge_1RB_Right	23.41	/	/	25.61	/	/	<=33	Pass
		Outer_Full	22.79	/	/	24.99	/	/	<=33	Pass
		Inner_Full	24.24	/	/	26.44	/	/	<=33	Pass
		Inner_1RB_Left	24.35	/	/	26.55	/	/	<=33	Pass
	2674.98	Inner_1RB_Right	24.33	/	/	26.53	/	/	<=33	Pass
		Edge_1RB_Left	23.11	/	/	25.31	/	/	<=33	Pass
		Edge_1RB_Right	22.98	/	/	25.18	/	/	<=33	Pass
		Outer_Full	22.38	/	/	24.58	/	/	<=33	Pass
		Inner_Full	24.01	/	/	26.21	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2511	Inner_1RB_Left	24.06	/	/	26.26	/	/	<=33	Pass
		Inner_1RB_Right	23.97	/	/	26.17	/	/	<=33	Pass
		Edge_1RB_Left	21.69	/	/	23.89	/	/	<=33	Pass
		Edge_1RB_Right	22.10	/	/	24.3	/	/	<=33	Pass
		Outer_Full	22.18	/	/	24.38	/	/	<=33	Pass
	2592.99	Inner_Full	22.11	/	/	24.31	/	/	<=33	Pass
		Inner_1RB_Left	22.03	/	/	24.23	/	/	<=33	Pass
		Inner_1RB_Right	22.27	/	/	24.47	/	/	<=33	Pass
		Edge_1RB_Left	22.04	/	/	24.24	/	/	<=33	Pass
		Edge_1RB_Right	22.20	/	/	24.4	/	/	<=33	Pass
	2674.98	Outer_Full	22.19	/	/	24.39	/	/	<=33	Pass
		Inner_Full	22.14	/	/	24.34	/	/	<=33	Pass
		Inner_1RB_Left	22.18	/	/	24.38	/	/	<=33	Pass
		Inner_1RB_Right	22.23	/	/	24.43	/	/	<=33	Pass
		Edge_1RB_Left	22.07	/	/	24.27	/	/	<=33	Pass
CP-OFDM QPSK	2511	Edge_1RB_Right	21.85	/	/	24.05	/	/	<=33	Pass
		Outer_Full	21.95	/	/	24.15	/	/	<=33	Pass
		Inner_Full	21.86	/	/	24.06	/	/	<=33	Pass
		Inner_1RB_Left	22.06	/	/	24.26	/	/	<=33	Pass
		Inner_1RB_Right	21.83	/	/	24.03	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	22.81	/	/	25.01	/	/	<=33	Pass
		Edge_1RB_Right	23.15	/	/	25.35	/	/	<=33	Pass
		Outer_Full	23.08	/	/	25.28	/	/	<=33	Pass
		Inner_Full	25.09	/	/	27.29	/	/	<=33	Pass
		Inner_1RB_Left	24.96	/	/	27.16	/	/	<=33	Pass
	2674.98	Inner_1RB_Right	25.11	/	/	27.31	/	/	<=33	Pass
		Edge_1RB_Left	23.22	/	/	25.42	/	/	<=33	Pass
		Edge_1RB_Right	23.30	/	/	25.5	/	/	<=33	Pass
		Outer_Full	23.21	/	/	25.41	/	/	<=33	Pass
		Inner_Full	25.17	/	/	27.37	/	/	<=33	Pass
	2674.98	Inner_1RB_Left	25.27	/	/	27.47	/	/	<=33	Pass
		Inner_1RB_Right	25.38	/	/	27.58	/	/	<=33	Pass
		Edge_1RB_Left	23.16	/	/	25.36	/	/	<=33	Pass



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Shenzhen Branch, Inspection & Testing Services Wireless Laboratory

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CP-OFDM 16 QAM	2511	Edge_1RB_Right	22.87	/	/	25.07	/	/	<=33	Pass		
		Outer_Full	22.93	/	/	25.13	/	/	<=33	Pass		
		Inner_Full	24.88	/	/	27.08	/	/	<=33	Pass		
		Inner_1RB_Left	25.20	/	/	27.4	/	/	<=33	Pass		
		Inner_1RB_Right	25.07	/	/	27.27	/	/	<=33	Pass		
	2592.99	2511	Edge_1RB_Left	23.38	/	/	25.58	/	/	<=33	Pass	
			Edge_1RB_Right	23.61	/	/	25.81	/	/	<=33	Pass	
			Outer_Full	22.22	/	/	24.42	/	/	<=33	Pass	
			Inner_Full	24.68	/	/	26.88	/	/	<=33	Pass	
			Inner_1RB_Left	24.21	/	/	26.41	/	/	<=33	Pass	
		2674.98	2511	Inner_1RB_Right	24.70	/	/	26.9	/	/	<=33	Pass
				Edge_1RB_Left	23.69	/	/	25.89	/	/	<=33	Pass
				Edge_1RB_Right	23.72	/	/	25.92	/	/	<=33	Pass
				Outer_Full	22.31	/	/	24.51	/	/	<=33	Pass
				Inner_Full	24.69	/	/	26.89	/	/	<=33	Pass
2511	2592.99	Inner_1RB_Left	24.62	/	/	26.82	/	/	<=33	Pass		
		Inner_1RB_Right	24.64	/	/	26.84	/	/	<=33	Pass		
		Edge_1RB_Left	23.50	/	/	25.7	/	/	<=33	Pass		
		Edge_1RB_Right	23.27	/	/	25.47	/	/	<=33	Pass		
		Outer_Full	21.99	/	/	24.19	/	/	<=33	Pass		
2511	2674.98	Inner_Full	24.42	/	/	26.62	/	/	<=33	Pass		
		Inner_1RB_Left	24.57	/	/	26.77	/	/	<=33	Pass		
		Inner_1RB_Right	24.28	/	/	26.48	/	/	<=33	Pass		
		Edge_1RB_Left	23.12	/	/	25.32	/	/	<=33	Pass		
		Edge_1RB_Right	23.40	/	/	25.6	/	/	<=33	Pass		
CP-OFDM 64 QAM	2511	Outer_Full	21.72	/	/	23.92	/	/	<=33	Pass		
		Inner_Full	23.15	/	/	25.35	/	/	<=33	Pass		
		Inner_1RB_Left	23.13	/	/	25.33	/	/	<=33	Pass		
		Inner_1RB_Right	23.40	/	/	25.6	/	/	<=33	Pass		
		Edge_1RB_Left	23.28	/	/	25.48	/	/	<=33	Pass		
	2592.99	2511	Edge_1RB_Right	23.36	/	/	25.56	/	/	<=33	Pass	
			Outer_Full	21.73	/	/	23.93	/	/	<=33	Pass	
			Inner_Full	23.22	/	/	25.42	/	/	<=33	Pass	
			Inner_1RB_Left	23.33	/	/	25.53	/	/	<=33	Pass	
			Inner_1RB_Right	23.29	/	/	25.49	/	/	<=33	Pass	
	2674.98	2511	Edge_1RB_Left	23.14	/	/	25.34	/	/	<=33	Pass	
			Edge_1RB_Right	22.99	/	/	25.19	/	/	<=33	Pass	
			Outer_Full	21.48	/	/	23.68	/	/	<=33	Pass	
			Inner_Full	22.90	/	/	25.1	/	/	<=33	Pass	
			Inner_1RB_Left	23.19	/	/	25.39	/	/	<=33	Pass	
2511	2674.98	Inner_1RB_Right	22.90	/	/	25.1	/	/	<=33	Pass		
		Edge_1RB_Left	19.85	/	/	22.05	/	/	<=33	Pass		
		Edge_1RB_Right	20.16	/	/	22.36	/	/	<=33	Pass		
		Outer_Full	20.14	/	/	22.34	/	/	<=33	Pass		
		Inner_Full	20.13	/	/	22.33	/	/	<=33	Pass		
CP-OFDM 256 QAM	2511	Inner_1RB_Left	20.06	/	/	22.26	/	/	<=33	Pass		
		Inner_1RB_Right	20.13	/	/	22.33	/	/	<=33	Pass		
		Edge_1RB_Left	20.12	/	/	22.32	/	/	<=33	Pass		
		2592.99	2511	Edge_1RB_Left	20.12	/	/	22.32	/	/	<=33	Pass



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2674.98	Edge_1RB_Right	20.12	/	/	22.32	/	/	<=33	Pass
	Outer_Full	20.25	/	/	22.45	/	/	<=33	Pass
	Inner_Full	20.24	/	/	22.44	/	/	<=33	Pass
	Inner_1RB_Left	20.01	/	/	22.21	/	/	<=33	Pass
	Inner_1RB_Right	20.21	/	/	22.41	/	/	<=33	Pass
	Edge_1RB_Left	20.13	/	/	22.33	/	/	<=33	Pass
	Edge_1RB_Right	19.89	/	/	22.09	/	/	<=33	Pass
	Outer_Full	19.97	/	/	22.17	/	/	<=33	Pass
	Inner_Full	19.89	/	/	22.09	/	/	<=33	Pass
	Inner_1RB_Left	20.19	/	/	22.39	/	/	<=33	Pass
Inner_1RB_Right	19.77	/	/	21.97	/	/	<=33	Pass	

Note1: Antenna Gain: Ant0: 2.2dBi; Ant4: 2.2dBi;
 Note2: EIRP=Conducted Power+Antenna Gain

1.3 30k_SISO_40MHz_NTNV_EIRP

1.3.1 Test Result

5G NR n41 SCS=30kHz SISO 40MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2516.01	Edge_1RB_Left	23.07	/	/	25.27	/	/	<=33	Pass
		Edge_1RB_Right	23.01	/	/	25.21	/	/	<=33	Pass
		Outer_Full	24.17	/	/	26.37	/	/	<=33	Pass
		Inner_Full	26.56	/	/	28.76	/	/	<=33	Pass
		Inner_1RB_Left	26.51	/	/	28.71	/	/	<=33	Pass
		Inner_1RB_Right	26.49	/	/	28.69	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	23.16	/	/	25.36	/	/	<=33	Pass
		Edge_1RB_Right	23.16	/	/	25.36	/	/	<=33	Pass
		Outer_Full	24.77	/	/	26.97	/	/	<=33	Pass
		Inner_Full	26.67	/	/	28.87	/	/	<=33	Pass
		Inner_1RB_Left	26.78	/	/	28.98	/	/	<=33	Pass
		Inner_1RB_Right	26.62	/	/	28.82	/	/	<=33	Pass
	2670	Edge_1RB_Left	23.05	/	/	25.25	/	/	<=33	Pass
		Edge_1RB_Right	22.88	/	/	25.08	/	/	<=33	Pass
		Outer_Full	24.48	/	/	26.68	/	/	<=33	Pass
		Inner_Full	26.43	/	/	28.63	/	/	<=33	Pass
		Inner_1RB_Left	26.53	/	/	28.73	/	/	<=33	Pass
		Inner_1RB_Right	26.30	/	/	28.5	/	/	<=33	Pass
DFT-s-OFDM QPSK	2516.01	Edge_1RB_Left	23.06	/	/	25.26	/	/	<=33	Pass
		Edge_1RB_Right	23.07	/	/	25.27	/	/	<=33	Pass
		Outer_Full	24.12	/	/	26.32	/	/	<=33	Pass
		Inner_Full	26.59	/	/	28.79	/	/	<=33	Pass
		Inner_1RB_Left	26.57	/	/	28.77	/	/	<=33	Pass
		Inner_1RB_Right	26.57	/	/	28.77	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	23.19	/	/	25.39	/	/	<=33	Pass



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		Edge_1RB_Right	23.03	/	/	25.23	/	/	<=33	Pass
		Outer_Full	24.21	/	/	26.41	/	/	<=33	Pass
		Inner_Full	26.61	/	/	28.81	/	/	<=33	Pass
		Inner_1RB_Left	26.76	/	/	28.96	/	/	<=33	Pass
		Inner_1RB_Right	26.70	/	/	28.9	/	/	<=33	Pass
	2670	Edge_1RB_Left	23.06	/	/	25.26	/	/	<=33	Pass
		Edge_1RB_Right	22.81	/	/	25.01	/	/	<=33	Pass
		Outer_Full	23.97	/	/	26.17	/	/	<=33	Pass
		Inner_Full	26.42	/	/	28.62	/	/	<=33	Pass
		Inner_1RB_Left	26.57	/	/	28.77	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2516.01	Inner_1RB_Right	26.34	/	/	28.54	/	/	<=33	Pass
		Edge_1RB_Left	22.95	/	/	25.15	/	/	<=33	Pass
		Edge_1RB_Right	22.93	/	/	25.13	/	/	<=33	Pass
		Outer_Full	23.12	/	/	25.32	/	/	<=33	Pass
		Inner_Full	25.61	/	/	27.81	/	/	<=33	Pass
	2592.99	Inner_1RB_Left	25.35	/	/	27.55	/	/	<=33	Pass
		Inner_1RB_Right	25.45	/	/	27.65	/	/	<=33	Pass
		Edge_1RB_Left	23.32	/	/	25.52	/	/	<=33	Pass
		Edge_1RB_Right	23.15	/	/	25.35	/	/	<=33	Pass
		Outer_Full	23.24	/	/	25.44	/	/	<=33	Pass
2670	Inner_Full	25.69	/	/	27.89	/	/	<=33	Pass	
	Inner_1RB_Left	25.65	/	/	27.85	/	/	<=33	Pass	
	Inner_1RB_Right	25.59	/	/	27.79	/	/	<=33	Pass	
	Edge_1RB_Left	22.93	/	/	25.13	/	/	<=33	Pass	
	Edge_1RB_Right	22.57	/	/	24.77	/	/	<=33	Pass	
DFT-s-OFDM 64 QAM	2516.01	Outer_Full	22.92	/	/	25.12	/	/	<=33	Pass
		Inner_Full	25.44	/	/	27.64	/	/	<=33	Pass
		Inner_1RB_Left	25.40	/	/	27.6	/	/	<=33	Pass
		Inner_1RB_Right	25.13	/	/	27.33	/	/	<=33	Pass
		Edge_1RB_Left	23.16	/	/	25.36	/	/	<=33	Pass
	2592.99	Edge_1RB_Right	23.22	/	/	25.42	/	/	<=33	Pass
		Outer_Full	22.65	/	/	24.85	/	/	<=33	Pass
		Inner_Full	24.13	/	/	26.33	/	/	<=33	Pass
		Inner_1RB_Left	23.94	/	/	26.14	/	/	<=33	Pass
		Inner_1RB_Right	24.23	/	/	26.43	/	/	<=33	Pass
2670	Edge_1RB_Left	23.38	/	/	25.58	/	/	<=33	Pass	
	Edge_1RB_Right	23.28	/	/	25.48	/	/	<=33	Pass	
	Outer_Full	22.82	/	/	25.02	/	/	<=33	Pass	
	Inner_Full	24.24	/	/	26.44	/	/	<=33	Pass	
	Inner_1RB_Left	24.41	/	/	26.61	/	/	<=33	Pass	
DFT-s-OFDM 256	2516.01	Inner_1RB_Right	24.27	/	/	26.47	/	/	<=33	Pass
		Edge_1RB_Left	23.09	/	/	25.29	/	/	<=33	Pass
		Edge_1RB_Right	22.86	/	/	25.06	/	/	<=33	Pass
		Outer_Full	22.52	/	/	24.72	/	/	<=33	Pass
		Inner_Full	24.03	/	/	26.23	/	/	<=33	Pass
		Inner_1RB_Left	24.14	/	/	26.34	/	/	<=33	Pass
		Inner_1RB_Right	23.94	/	/	26.14	/	/	<=33	Pass
		Edge_1RB_Left	21.94	/	/	24.14	/	/	<=33	Pass



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 Shenzhen Branch, Inspection & Testing Services Wireless Laboratory

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QAM		Edge_1RB_Right	22.01	/	/	24.21	/	/	<=33	Pass
		Outer_Full	22.08	/	/	24.28	/	/	<=33	Pass
		Inner_Full	22.11	/	/	24.31	/	/	<=33	Pass
		Inner_1RB_Left	22.09	/	/	24.29	/	/	<=33	Pass
		Inner_1RB_Right	21.98	/	/	24.18	/	/	<=33	Pass
	2592.99	Edge_1RB_Right	22.11	/	/	24.31	/	/	<=33	Pass
		Edge_1RB_Right	22.15	/	/	24.35	/	/	<=33	Pass
		Outer_Full	22.20	/	/	24.4	/	/	<=33	Pass
		Inner_Full	22.19	/	/	24.39	/	/	<=33	Pass
		Inner_1RB_Left	22.08	/	/	24.28	/	/	<=33	Pass
	2670	Inner_1RB_Right	22.17	/	/	24.37	/	/	<=33	Pass
		Edge_1RB_Left	22.01	/	/	24.21	/	/	<=33	Pass
		Edge_1RB_Right	21.80	/	/	24	/	/	<=33	Pass
		Outer_Full	21.91	/	/	24.11	/	/	<=33	Pass
		Inner_Full	21.97	/	/	24.17	/	/	<=33	Pass
CP-OFDM QPSK	2516.01	Inner_1RB_Left	21.96	/	/	24.16	/	/	<=33	Pass
		Inner_1RB_Right	21.73	/	/	23.93	/	/	<=33	Pass
		Edge_1RB_Left	22.81	/	/	25.01	/	/	<=33	Pass
		Edge_1RB_Right	22.98	/	/	25.18	/	/	<=33	Pass
		Outer_Full	23.06	/	/	25.26	/	/	<=33	Pass
	2592.99	Inner_Full	25.14	/	/	27.34	/	/	<=33	Pass
		Inner_1RB_Left	24.91	/	/	27.11	/	/	<=33	Pass
		Inner_1RB_Right	25.01	/	/	27.21	/	/	<=33	Pass
		Edge_1RB_Left	23.17	/	/	25.37	/	/	<=33	Pass
		Edge_1RB_Right	23.15	/	/	25.35	/	/	<=33	Pass
	2670	Outer_Full	23.21	/	/	25.41	/	/	<=33	Pass
		Inner_Full	25.22	/	/	27.42	/	/	<=33	Pass
		Inner_1RB_Left	25.40	/	/	27.6	/	/	<=33	Pass
		Inner_1RB_Right	25.36	/	/	27.56	/	/	<=33	Pass
		Edge_1RB_Left	23.07	/	/	25.27	/	/	<=33	Pass
CP-OFDM 16 QAM	2516.01	Edge_1RB_Right	22.80	/	/	25	/	/	<=33	Pass
		Outer_Full	22.94	/	/	25.14	/	/	<=33	Pass
		Inner_Full	24.99	/	/	27.19	/	/	<=33	Pass
		Inner_1RB_Left	25.00	/	/	27.2	/	/	<=33	Pass
		Inner_1RB_Right	24.81	/	/	27.01	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	23.57	/	/	25.77	/	/	<=33	Pass
		Edge_1RB_Right	23.52	/	/	25.72	/	/	<=33	Pass
		Outer_Full	22.14	/	/	24.34	/	/	<=33	Pass
		Inner_Full	24.61	/	/	26.81	/	/	<=33	Pass
		Inner_1RB_Left	24.46	/	/	26.66	/	/	<=33	Pass
	2670	Inner_1RB_Right	24.44	/	/	26.64	/	/	<=33	Pass
		Edge_1RB_Left	23.76	/	/	25.96	/	/	<=33	Pass
		Edge_1RB_Right	23.63	/	/	25.83	/	/	<=33	Pass
		Outer_Full	22.23	/	/	24.43	/	/	<=33	Pass
		Inner_Full	24.69	/	/	26.89	/	/	<=33	Pass
	Inner_1RB_Left	24.63	/	/	26.83	/	/	<=33	Pass	
	Inner_1RB_Right	24.60	/	/	26.8	/	/	<=33	Pass	
	Edge_1RB_Left	23.48	/	/	25.68	/	/	<=33	Pass	



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CP-OFDM 64 QAM	2516.01	Edge_1RB_Right	23.26	/	/	25.46	/	/	<=33	Pass	
		Outer_Full	21.90	/	/	24.1	/	/	<=33	Pass	
		Inner_Full	24.46	/	/	26.66	/	/	<=33	Pass	
		Inner_1RB_Left	24.65	/	/	26.85	/	/	<=33	Pass	
		Inner_1RB_Right	24.30	/	/	26.5	/	/	<=33	Pass	
	2592.99	2516.01	Edge_1RB_Left	23.00	/	/	25.2	/	/	<=33	Pass
			Edge_1RB_Right	23.03	/	/	25.23	/	/	<=33	Pass
			Outer_Full	21.72	/	/	23.92	/	/	<=33	Pass
			Inner_Full	23.14	/	/	25.34	/	/	<=33	Pass
			Inner_1RB_Left	23.12	/	/	25.32	/	/	<=33	Pass
		2670	Inner_1RB_Right	23.03	/	/	25.23	/	/	<=33	Pass
			Edge_1RB_Left	23.36	/	/	25.56	/	/	<=33	Pass
			Edge_1RB_Right	23.15	/	/	25.35	/	/	<=33	Pass
			Outer_Full	21.77	/	/	23.97	/	/	<=33	Pass
			Inner_Full	23.21	/	/	25.41	/	/	<=33	Pass
CP-OFDM 256 QAM	2516.01	Inner_1RB_Left	23.23	/	/	25.43	/	/	<=33	Pass	
		Inner_1RB_Right	23.33	/	/	25.53	/	/	<=33	Pass	
		Edge_1RB_Left	22.94	/	/	25.14	/	/	<=33	Pass	
		Edge_1RB_Right	22.81	/	/	25.01	/	/	<=33	Pass	
		Outer_Full	21.48	/	/	23.68	/	/	<=33	Pass	
	2592.99	2516.01	Inner_Full	22.99	/	/	25.19	/	/	<=33	Pass
			Inner_1RB_Left	23.17	/	/	25.37	/	/	<=33	Pass
			Inner_1RB_Right	22.86	/	/	25.06	/	/	<=33	Pass
			Edge_1RB_Left	19.86	/	/	22.06	/	/	<=33	Pass
			Edge_1RB_Right	20.10	/	/	22.3	/	/	<=33	Pass
		2670	Outer_Full	20.06	/	/	22.26	/	/	<=33	Pass
			Inner_Full	20.03	/	/	22.23	/	/	<=33	Pass
			Inner_1RB_Left	19.91	/	/	22.11	/	/	<=33	Pass
			Inner_1RB_Right	20.14	/	/	22.34	/	/	<=33	Pass
			Edge_1RB_Left	20.23	/	/	22.43	/	/	<=33	Pass
2592.99	2516.01	Edge_1RB_Right	20.19	/	/	22.39	/	/	<=33	Pass	
		Outer_Full	20.23	/	/	22.43	/	/	<=33	Pass	
		Inner_Full	20.25	/	/	22.45	/	/	<=33	Pass	
		Inner_1RB_Left	20.21	/	/	22.41	/	/	<=33	Pass	
		Inner_1RB_Right	20.37	/	/	22.57	/	/	<=33	Pass	
	2670	Edge_1RB_Left	20.12	/	/	22.32	/	/	<=33	Pass	
		Edge_1RB_Right	19.83	/	/	22.03	/	/	<=33	Pass	
		Outer_Full	19.92	/	/	22.12	/	/	<=33	Pass	
		Inner_Full	20.00	/	/	22.2	/	/	<=33	Pass	
		Inner_1RB_Left	20.07	/	/	22.27	/	/	<=33	Pass	
Inner_1RB_Right	19.85	/	/	22.05	/	/	<=33	Pass			

Note1: Antenna Gain: Ant0: 2.2dBi; Ant4: 2.2dBi;
Note2: EIRP=Conducted Power+Antenna Gain

1.4 30k_SISO_50MHz_NTNV_EIRP



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1.4.1 Test Result

5G NR n41 SCS=30kHz SISO 50MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2521.02	Edge_1RB_Left	22.77	/	/	24.97	/	/	<=33	Pass
		Edge_1RB_Right	22.85	/	/	25.05	/	/	<=33	Pass
		Outer_Full	24.54	/	/	26.74	/	/	<=33	Pass
		Inner_Full	26.58	/	/	28.78	/	/	<=33	Pass
		Inner_1RB_Left	26.34	/	/	28.54	/	/	<=33	Pass
		Inner_1RB_Right	26.28	/	/	28.48	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	22.99	/	/	25.19	/	/	<=33	Pass
		Edge_1RB_Right	22.94	/	/	25.14	/	/	<=33	Pass
		Outer_Full	24.61	/	/	26.81	/	/	<=33	Pass
		Inner_Full	26.58	/	/	28.78	/	/	<=33	Pass
		Inner_1RB_Left	26.52	/	/	28.72	/	/	<=33	Pass
		Inner_1RB_Right	26.42	/	/	28.62	/	/	<=33	Pass
	2664.99	Edge_1RB_Left	22.96	/	/	25.16	/	/	<=33	Pass
		Edge_1RB_Right	22.79	/	/	24.99	/	/	<=33	Pass
		Outer_Full	24.51	/	/	26.71	/	/	<=33	Pass
		Inner_Full	26.52	/	/	28.72	/	/	<=33	Pass
		Inner_1RB_Left	26.35	/	/	28.55	/	/	<=33	Pass
		Inner_1RB_Right	26.31	/	/	28.51	/	/	<=33	Pass
DFT-s-OFDM QPSK	2521.02	Edge_1RB_Left	22.83	/	/	25.03	/	/	<=33	Pass
		Edge_1RB_Right	22.85	/	/	25.05	/	/	<=33	Pass
		Outer_Full	24.02	/	/	26.22	/	/	<=33	Pass
		Inner_Full	26.51	/	/	28.71	/	/	<=33	Pass
		Inner_1RB_Left	26.29	/	/	28.49	/	/	<=33	Pass
		Inner_1RB_Right	26.28	/	/	28.48	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	22.98	/	/	25.18	/	/	<=33	Pass
		Edge_1RB_Right	23.00	/	/	25.2	/	/	<=33	Pass
		Outer_Full	24.25	/	/	26.45	/	/	<=33	Pass
		Inner_Full	26.57	/	/	28.77	/	/	<=33	Pass
		Inner_1RB_Left	26.49	/	/	28.69	/	/	<=33	Pass
		Inner_1RB_Right	26.48	/	/	28.68	/	/	<=33	Pass
	2664.99	Edge_1RB_Left	22.91	/	/	25.11	/	/	<=33	Pass
		Edge_1RB_Right	22.77	/	/	24.97	/	/	<=33	Pass
		Outer_Full	24.00	/	/	26.2	/	/	<=33	Pass
		Inner_Full	26.51	/	/	28.71	/	/	<=33	Pass
		Inner_1RB_Left	26.43	/	/	28.63	/	/	<=33	Pass
		Inner_1RB_Right	26.28	/	/	28.48	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2521.02	Edge_1RB_Left	22.80	/	/	25	/	/	<=33	Pass
		Edge_1RB_Right	22.72	/	/	24.92	/	/	<=33	Pass
		Outer_Full	22.99	/	/	25.19	/	/	<=33	Pass
		Inner_Full	25.55	/	/	27.75	/	/	<=33	Pass
		Inner_1RB_Left	25.23	/	/	27.43	/	/	<=33	Pass
		Inner_1RB_Right	25.22	/	/	27.42	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	23.06	/	/	25.26	/	/	<=33	Pass



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		Edge_1RB_Right	22.99	/	/	25.19	/	/	<=33	Pass
		Outer_Full	23.18	/	/	25.38	/	/	<=33	Pass
		Inner_Full	25.67	/	/	27.87	/	/	<=33	Pass
		Inner_1RB_Left	25.46	/	/	27.66	/	/	<=33	Pass
		Inner_1RB_Right	25.38	/	/	27.58	/	/	<=33	Pass
		Edge_1RB_Left	22.93	/	/	25.13	/	/	<=33	Pass
		Edge_1RB_Right	22.78	/	/	24.98	/	/	<=33	Pass
		Outer_Full	23.00	/	/	25.2	/	/	<=33	Pass
		Inner_Full	25.54	/	/	27.74	/	/	<=33	Pass
		Inner_1RB_Left	25.31	/	/	27.51	/	/	<=33	Pass
Inner_1RB_Right	25.24	/	/	27.44	/	/	<=33	Pass		
DFT-s-OFDM 64 QAM	2521.02	Edge_1RB_Left	22.90	/	/	25.1	/	/	<=33	Pass
		Edge_1RB_Right	22.89	/	/	25.09	/	/	<=33	Pass
		Outer_Full	22.45	/	/	24.65	/	/	<=33	Pass
		Inner_Full	24.04	/	/	26.24	/	/	<=33	Pass
		Inner_1RB_Left	23.95	/	/	26.15	/	/	<=33	Pass
	Inner_1RB_Right	23.90	/	/	26.1	/	/	<=33	Pass	
	2592.99	Edge_1RB_Left	23.24	/	/	25.44	/	/	<=33	Pass
		Edge_1RB_Right	23.23	/	/	25.43	/	/	<=33	Pass
		Outer_Full	22.68	/	/	24.88	/	/	<=33	Pass
		Inner_Full	24.13	/	/	26.33	/	/	<=33	Pass
Inner_1RB_Left		24.15	/	/	26.35	/	/	<=33	Pass	
Inner_1RB_Right	24.28	/	/	26.48	/	/	<=33	Pass		
2664.99	Edge_1RB_Left	22.93	/	/	25.13	/	/	<=33	Pass	
	Edge_1RB_Right	22.82	/	/	25.02	/	/	<=33	Pass	
	Outer_Full	22.46	/	/	24.66	/	/	<=33	Pass	
	Inner_Full	24.13	/	/	26.33	/	/	<=33	Pass	
	Inner_1RB_Left	24.07	/	/	26.27	/	/	<=33	Pass	
Inner_1RB_Right	23.88	/	/	26.08	/	/	<=33	Pass		
DFT-s-OFDM 256 QAM	2521.02	Edge_1RB_Left	21.77	/	/	23.97	/	/	<=33	Pass
		Edge_1RB_Right	21.79	/	/	23.99	/	/	<=33	Pass
		Outer_Full	22.00	/	/	24.2	/	/	<=33	Pass
		Inner_Full	22.05	/	/	24.25	/	/	<=33	Pass
		Inner_1RB_Left	21.82	/	/	24.02	/	/	<=33	Pass
	Inner_1RB_Right	21.74	/	/	23.94	/	/	<=33	Pass	
	2592.99	Edge_1RB_Left	21.99	/	/	24.19	/	/	<=33	Pass
		Edge_1RB_Right	21.97	/	/	24.17	/	/	<=33	Pass
		Outer_Full	22.22	/	/	24.42	/	/	<=33	Pass
		Inner_Full	22.20	/	/	24.4	/	/	<=33	Pass
		Inner_1RB_Left	22.01	/	/	24.21	/	/	<=33	Pass
	Inner_1RB_Right	22.08	/	/	24.28	/	/	<=33	Pass	
	2664.99	Edge_1RB_Left	21.90	/	/	24.1	/	/	<=33	Pass
		Edge_1RB_Right	21.74	/	/	23.94	/	/	<=33	Pass
		Outer_Full	22.03	/	/	24.23	/	/	<=33	Pass
Inner_Full		21.99	/	/	24.19	/	/	<=33	Pass	
Inner_1RB_Left		21.86	/	/	24.06	/	/	<=33	Pass	
Inner_1RB_Right	21.75	/	/	23.95	/	/	<=33	Pass		
CP-OFDM QPSK	2521.02	Edge_1RB_Left	23.00	/	/	25.2	/	/	<=33	Pass



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 Shenzhen Branch, Inspection & Testing Services Wireless Laboratory

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		Edge_1RB_Right	21.74	/	/	23.94	/	/	<=33	Pass
		Outer_Full	23.03	/	/	25.23	/	/	<=33	Pass
		Inner_Full	25.01	/	/	27.21	/	/	<=33	Pass
		Inner_1RB_Left	24.80	/	/	27	/	/	<=33	Pass
		Inner_1RB_Right	24.83	/	/	27.03	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	23.05	/	/	25.25	/	/	<=33	Pass
		Edge_1RB_Right	22.93	/	/	25.13	/	/	<=33	Pass
		Outer_Full	23.18	/	/	25.38	/	/	<=33	Pass
		Inner_Full	25.20	/	/	27.4	/	/	<=33	Pass
		Inner_1RB_Left	25.10	/	/	27.3	/	/	<=33	Pass
	2664.99	Inner_1RB_Right	25.14	/	/	27.34	/	/	<=33	Pass
		Edge_1RB_Left	22.93	/	/	25.13	/	/	<=33	Pass
		Edge_1RB_Right	22.83	/	/	25.03	/	/	<=33	Pass
		Outer_Full	23.00	/	/	25.2	/	/	<=33	Pass
		Inner_Full	25.04	/	/	27.24	/	/	<=33	Pass
CP-OFDM 16 QAM	2521.02	Inner_1RB_Left	25.05	/	/	27.25	/	/	<=33	Pass
		Inner_1RB_Right	24.87	/	/	27.07	/	/	<=33	Pass
		Edge_1RB_Left	23.30	/	/	25.5	/	/	<=33	Pass
		Edge_1RB_Right	23.32	/	/	25.52	/	/	<=33	Pass
		Outer_Full	22.00	/	/	24.2	/	/	<=33	Pass
	2592.99	Inner_Full	24.52	/	/	26.72	/	/	<=33	Pass
		Inner_1RB_Left	24.28	/	/	26.48	/	/	<=33	Pass
		Inner_1RB_Right	24.18	/	/	26.38	/	/	<=33	Pass
		Edge_1RB_Left	23.59	/	/	25.79	/	/	<=33	Pass
		Edge_1RB_Right	23.50	/	/	25.7	/	/	<=33	Pass
	2664.99	Outer_Full	22.19	/	/	24.39	/	/	<=33	Pass
		Inner_Full	24.69	/	/	26.89	/	/	<=33	Pass
		Inner_1RB_Left	24.62	/	/	26.82	/	/	<=33	Pass
		Inner_1RB_Right	24.55	/	/	26.75	/	/	<=33	Pass
		Edge_1RB_Left	23.68	/	/	25.88	/	/	<=33	Pass
CP-OFDM 64 QAM	2521.02	Edge_1RB_Right	23.30	/	/	25.5	/	/	<=33	Pass
		Outer_Full	22.02	/	/	24.22	/	/	<=33	Pass
		Inner_Full	24.54	/	/	26.74	/	/	<=33	Pass
		Inner_1RB_Left	24.61	/	/	26.81	/	/	<=33	Pass
		Inner_1RB_Right	24.31	/	/	26.51	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	22.95	/	/	25.15	/	/	<=33	Pass
		Edge_1RB_Right	22.89	/	/	25.09	/	/	<=33	Pass
		Outer_Full	21.57	/	/	23.77	/	/	<=33	Pass
		Inner_Full	23.07	/	/	25.27	/	/	<=33	Pass
		Inner_1RB_Left	22.95	/	/	25.15	/	/	<=33	Pass
	2664.99	Inner_1RB_Right	22.79	/	/	24.99	/	/	<=33	Pass
		Edge_1RB_Left	23.10	/	/	25.3	/	/	<=33	Pass
		Edge_1RB_Right	23.04	/	/	25.24	/	/	<=33	Pass
		Outer_Full	21.71	/	/	23.91	/	/	<=33	Pass
		Inner_Full	23.15	/	/	25.35	/	/	<=33	Pass
	2664.99	Inner_1RB_Left	23.16	/	/	25.36	/	/	<=33	Pass
		Inner_1RB_Right	23.03	/	/	25.23	/	/	<=33	Pass
		Edge_1RB_Left	23.02	/	/	25.22	/	/	<=33	Pass



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CP-OFDM 256 QAM	2521.02	Edge_1RB_Right	22.86	/	/	25.06	/	/	<=33	Pass
		Outer_Full	21.47	/	/	23.67	/	/	<=33	Pass
		Inner_Full	23.09	/	/	25.29	/	/	<=33	Pass
		Inner_1RB_Left	23.07	/	/	25.27	/	/	<=33	Pass
		Inner_1RB_Right	22.81	/	/	25.01	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	19.89	/	/	22.09	/	/	<=33	Pass
		Edge_1RB_Right	19.80	/	/	22	/	/	<=33	Pass
		Outer_Full	20.04	/	/	22.24	/	/	<=33	Pass
		Inner_Full	20.14	/	/	22.34	/	/	<=33	Pass
		Inner_1RB_Left	19.96	/	/	22.16	/	/	<=33	Pass
	2664.99	Inner_1RB_Right	19.86	/	/	22.06	/	/	<=33	Pass
		Edge_1RB_Left	19.97	/	/	22.17	/	/	<=33	Pass
		Edge_1RB_Right	20.09	/	/	22.29	/	/	<=33	Pass
		Outer_Full	20.08	/	/	22.28	/	/	<=33	Pass
		Inner_Full	20.02	/	/	22.22	/	/	<=33	Pass
	2664.99	Inner_1RB_Left	20.04	/	/	22.24	/	/	<=33	Pass
		Inner_1RB_Right	20.03	/	/	22.23	/	/	<=33	Pass
		Edge_1RB_Left	19.94	/	/	22.14	/	/	<=33	Pass
		Edge_1RB_Right	19.78	/	/	21.98	/	/	<=33	Pass
		Outer_Full	19.89	/	/	22.09	/	/	<=33	Pass
	2664.99	Inner_Full	20.09	/	/	22.29	/	/	<=33	Pass
Inner_1RB_Left		19.91	/	/	22.11	/	/	<=33	Pass	
Inner_1RB_Right		19.80	/	/	22	/	/	<=33	Pass	
Note1: Antenna Gain: Ant0: 2.2dBi; Ant4: 2.2dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.5 30k_SISO_60MHz_NTNV_EIRP

1.5.1 Test Result

5G NR n41 SCS=30kHz SISO 60MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2526	Edge_1RB_Left	22.82	/	/	25.02	/	/	<=33	Pass
		Edge_1RB_Right	22.69	/	/	24.89	/	/	<=33	Pass
		Outer_Full	24.44	/	/	26.64	/	/	<=33	Pass
		Inner_Full	26.44	/	/	28.64	/	/	<=33	Pass
		Inner_1RB_Left	26.27	/	/	28.47	/	/	<=33	Pass
	2592.99	Inner_1RB_Right	26.12	/	/	28.32	/	/	<=33	Pass
		Edge_1RB_Left	22.96	/	/	25.16	/	/	<=33	Pass
		Edge_1RB_Right	22.89	/	/	25.09	/	/	<=33	Pass
		Outer_Full	24.58	/	/	26.78	/	/	<=33	Pass
		Inner_Full	26.59	/	/	28.79	/	/	<=33	Pass
	2659.98	Inner_1RB_Left	26.40	/	/	28.6	/	/	<=33	Pass
		Inner_1RB_Right	26.40	/	/	28.6	/	/	<=33	Pass
		Edge_1RB_Left	22.91	/	/	25.11	/	/	<=33	Pass
		Edge_1RB_Right	22.91	/	/	25.11	/	/	<=33	Pass



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		Edge_1RB_Right	22.69	/	/	24.89	/	/	<=33	Pass
		Outer_Full	24.44	/	/	26.64	/	/	<=33	Pass
		Inner_Full	26.48	/	/	28.68	/	/	<=33	Pass
		Inner_1RB_Left	26.34	/	/	28.54	/	/	<=33	Pass
		Inner_1RB_Right	26.14	/	/	28.34	/	/	<=33	Pass
DFT-s-OFDM QPSK	2526	Edge_1RB_Left	22.72	/	/	24.92	/	/	<=33	Pass
		Edge_1RB_Right	22.70	/	/	24.9	/	/	<=33	Pass
		Outer_Full	23.90	/	/	26.1	/	/	<=33	Pass
		Inner_Full	26.48	/	/	28.68	/	/	<=33	Pass
		Inner_1RB_Left	26.26	/	/	28.46	/	/	<=33	Pass
	2592.99	Inner_1RB_Right	26.16	/	/	28.36	/	/	<=33	Pass
		Edge_1RB_Left	22.88	/	/	25.08	/	/	<=33	Pass
		Edge_1RB_Right	22.90	/	/	25.1	/	/	<=33	Pass
		Outer_Full	24.19	/	/	26.39	/	/	<=33	Pass
		Inner_Full	26.66	/	/	28.86	/	/	<=33	Pass
	2659.98	Inner_1RB_Left	26.45	/	/	28.65	/	/	<=33	Pass
		Inner_1RB_Right	26.42	/	/	28.62	/	/	<=33	Pass
		Edge_1RB_Left	22.88	/	/	25.08	/	/	<=33	Pass
		Edge_1RB_Right	22.69	/	/	24.89	/	/	<=33	Pass
		Outer_Full	23.95	/	/	26.15	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2526	Inner_Full	26.54	/	/	28.74	/	/	<=33	Pass
		Inner_1RB_Left	26.34	/	/	28.54	/	/	<=33	Pass
		Inner_1RB_Right	26.16	/	/	28.36	/	/	<=33	Pass
		Edge_1RB_Left	22.82	/	/	25.02	/	/	<=33	Pass
		Edge_1RB_Right	22.60	/	/	24.8	/	/	<=33	Pass
2592.99	Outer_Full	22.99	/	/	25.19	/	/	<=33	Pass	
	Inner_Full	25.44	/	/	27.64	/	/	<=33	Pass	
	Inner_1RB_Left	25.27	/	/	27.47	/	/	<=33	Pass	
	Inner_1RB_Right	25.07	/	/	27.27	/	/	<=33	Pass	
	Edge_1RB_Left	22.99	/	/	25.19	/	/	<=33	Pass	
2659.98	Edge_1RB_Right	22.99	/	/	25.19	/	/	<=33	Pass	
	Outer_Full	23.20	/	/	25.4	/	/	<=33	Pass	
	Inner_Full	25.63	/	/	27.83	/	/	<=33	Pass	
	Inner_1RB_Left	25.38	/	/	27.58	/	/	<=33	Pass	
	Inner_1RB_Right	25.34	/	/	27.54	/	/	<=33	Pass	
DFT-s-OFDM 64 QAM	2526	Edge_1RB_Left	22.75	/	/	24.95	/	/	<=33	Pass
		Edge_1RB_Right	22.51	/	/	24.71	/	/	<=33	Pass
		Outer_Full	22.94	/	/	25.14	/	/	<=33	Pass
		Inner_Full	25.50	/	/	27.7	/	/	<=33	Pass
		Inner_1RB_Left	25.26	/	/	27.46	/	/	<=33	Pass
2592.99	Inner_1RB_Right	25.10	/	/	27.3	/	/	<=33	Pass	
	Edge_1RB_Left	22.91	/	/	25.11	/	/	<=33	Pass	
	Edge_1RB_Right	22.81	/	/	25.01	/	/	<=33	Pass	
	Outer_Full	22.56	/	/	24.76	/	/	<=33	Pass	
	Inner_Full	24.11	/	/	26.31	/	/	<=33	Pass	
	2592.99	Inner_1RB_Left	24.02	/	/	26.22	/	/	<=33	Pass
		Inner_1RB_Right	23.84	/	/	26.04	/	/	<=33	Pass
		Edge_1RB_Left	23.11	/	/	25.31	/	/	<=33	Pass



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		Edge_1RB_Right	23.12	/	/	25.32	/	/	<=33	Pass	
		Outer_Full	22.70	/	/	24.9	/	/	<=33	Pass	
		Inner_Full	24.22	/	/	26.42	/	/	<=33	Pass	
		Inner_1RB_Left	24.10	/	/	26.3	/	/	<=33	Pass	
		Inner_1RB_Right	24.00	/	/	26.2	/	/	<=33	Pass	
	2659.98	Edge_1RB_Left	22.83	/	/	25.03	/	/	<=33	Pass	
		Edge_1RB_Right	22.73	/	/	24.93	/	/	<=33	Pass	
		Outer_Full	22.37	/	/	24.57	/	/	<=33	Pass	
		Inner_Full	24.06	/	/	26.26	/	/	<=33	Pass	
		Inner_1RB_Left	23.91	/	/	26.11	/	/	<=33	Pass	
	DFT-s-OFDM 256 QAM	2526	Inner_1RB_Right	23.75	/	/	25.95	/	/	<=33	Pass
			Edge_1RB_Left	21.77	/	/	23.97	/	/	<=33	Pass
			Edge_1RB_Right	21.68	/	/	23.88	/	/	<=33	Pass
			Outer_Full	21.87	/	/	24.07	/	/	<=33	Pass
			Inner_Full	21.93	/	/	24.13	/	/	<=33	Pass
2592.99		Inner_1RB_Left	21.72	/	/	23.92	/	/	<=33	Pass	
		Inner_1RB_Right	21.54	/	/	23.74	/	/	<=33	Pass	
		Edge_1RB_Left	21.87	/	/	24.07	/	/	<=33	Pass	
		Edge_1RB_Right	21.90	/	/	24.1	/	/	<=33	Pass	
		Outer_Full	22.24	/	/	24.44	/	/	<=33	Pass	
2659.98		Inner_Full	22.17	/	/	24.37	/	/	<=33	Pass	
		Inner_1RB_Left	21.89	/	/	24.09	/	/	<=33	Pass	
		Inner_1RB_Right	21.92	/	/	24.12	/	/	<=33	Pass	
		Edge_1RB_Left	21.82	/	/	24.02	/	/	<=33	Pass	
		Edge_1RB_Right	21.61	/	/	23.81	/	/	<=33	Pass	
CP-OFDM QPSK	2526	Outer_Full	21.95	/	/	24.15	/	/	<=33	Pass	
		Inner_Full	22.03	/	/	24.23	/	/	<=33	Pass	
		Inner_1RB_Left	21.83	/	/	24.03	/	/	<=33	Pass	
		Inner_1RB_Right	21.62	/	/	23.82	/	/	<=33	Pass	
		Edge_1RB_Left	22.79	/	/	24.99	/	/	<=33	Pass	
	2592.99	Edge_1RB_Right	22.69	/	/	24.89	/	/	<=33	Pass	
		Outer_Full	22.91	/	/	25.11	/	/	<=33	Pass	
		Inner_Full	24.96	/	/	27.16	/	/	<=33	Pass	
		Inner_1RB_Left	24.81	/	/	27.01	/	/	<=33	Pass	
		Inner_1RB_Right	24.67	/	/	26.87	/	/	<=33	Pass	
	2659.98	Edge_1RB_Left	22.79	/	/	24.99	/	/	<=33	Pass	
		Edge_1RB_Right	22.85	/	/	25.05	/	/	<=33	Pass	
		Outer_Full	23.15	/	/	25.35	/	/	<=33	Pass	
		Inner_Full	25.14	/	/	27.34	/	/	<=33	Pass	
		Inner_1RB_Left	24.92	/	/	27.12	/	/	<=33	Pass	
CP-OFDM 16 QAM	2526	Inner_1RB_Right	24.88	/	/	27.08	/	/	<=33	Pass	
		Edge_1RB_Left	22.88	/	/	25.08	/	/	<=33	Pass	
		Edge_1RB_Right	22.64	/	/	24.84	/	/	<=33	Pass	
		Outer_Full	22.93	/	/	25.13	/	/	<=33	Pass	
		Inner_Full	25.02	/	/	27.22	/	/	<=33	Pass	
		Inner_1RB_Left	24.76	/	/	26.96	/	/	<=33	Pass	
		Inner_1RB_Right	24.61	/	/	26.81	/	/	<=33	Pass	
		Edge_1RB_Left	23.32	/	/	25.52	/	/	<=33	Pass	



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		Edge_1RB_Right	23.17	/	/	25.37	/	/	<=33	Pass
		Outer_Full	21.89	/	/	24.09	/	/	<=33	Pass
		Inner_Full	24.53	/	/	26.73	/	/	<=33	Pass
		Inner_1RB_Left	24.25	/	/	26.45	/	/	<=33	Pass
		Inner_1RB_Right	24.00	/	/	26.2	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	23.54	/	/	25.74	/	/	<=33	Pass
		Edge_1RB_Right	23.47	/	/	25.67	/	/	<=33	Pass
		Outer_Full	22.18	/	/	24.38	/	/	<=33	Pass
		Inner_Full	24.70	/	/	26.9	/	/	<=33	Pass
		Inner_1RB_Left	24.47	/	/	26.67	/	/	<=33	Pass
	2659.98	Inner_1RB_Right	24.61	/	/	26.81	/	/	<=33	Pass
		Edge_1RB_Left	23.32	/	/	25.52	/	/	<=33	Pass
		Edge_1RB_Right	23.09	/	/	25.29	/	/	<=33	Pass
		Outer_Full	21.94	/	/	24.14	/	/	<=33	Pass
		Inner_Full	24.55	/	/	26.75	/	/	<=33	Pass
CP-OFDM 64 QAM	2526	Inner_1RB_Left	24.11	/	/	26.31	/	/	<=33	Pass
		Inner_1RB_Right	23.98	/	/	26.18	/	/	<=33	Pass
		Edge_1RB_Left	22.97	/	/	25.17	/	/	<=33	Pass
		Edge_1RB_Right	22.81	/	/	25.01	/	/	<=33	Pass
		Outer_Full	21.44	/	/	23.64	/	/	<=33	Pass
	2592.99	Inner_Full	23.00	/	/	25.2	/	/	<=33	Pass
		Inner_1RB_Left	23.23	/	/	25.43	/	/	<=33	Pass
		Inner_1RB_Right	22.68	/	/	24.88	/	/	<=33	Pass
		Edge_1RB_Left	23.09	/	/	25.29	/	/	<=33	Pass
		Edge_1RB_Right	23.15	/	/	25.35	/	/	<=33	Pass
	2659.98	Outer_Full	21.71	/	/	23.91	/	/	<=33	Pass
		Inner_Full	23.22	/	/	25.42	/	/	<=33	Pass
		Inner_1RB_Left	23.06	/	/	25.26	/	/	<=33	Pass
		Inner_1RB_Right	23.03	/	/	25.23	/	/	<=33	Pass
		Edge_1RB_Left	22.80	/	/	25	/	/	<=33	Pass
CP-OFDM 256 QAM	2526	Edge_1RB_Right	22.62	/	/	24.82	/	/	<=33	Pass
		Outer_Full	21.40	/	/	23.6	/	/	<=33	Pass
		Inner_Full	22.98	/	/	25.18	/	/	<=33	Pass
		Inner_1RB_Left	22.97	/	/	25.17	/	/	<=33	Pass
		Inner_1RB_Right	22.63	/	/	24.83	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	19.71	/	/	21.91	/	/	<=33	Pass
		Edge_1RB_Right	19.73	/	/	21.93	/	/	<=33	Pass
		Outer_Full	19.91	/	/	22.11	/	/	<=33	Pass
		Inner_Full	20.05	/	/	22.25	/	/	<=33	Pass
		Inner_1RB_Left	19.82	/	/	22.02	/	/	<=33	Pass
	2659.98	Inner_1RB_Right	19.55	/	/	21.75	/	/	<=33	Pass
		Edge_1RB_Left	19.92	/	/	22.12	/	/	<=33	Pass
		Edge_1RB_Right	19.87	/	/	22.07	/	/	<=33	Pass
		Outer_Full	20.09	/	/	22.29	/	/	<=33	Pass
		Inner_Full	20.08	/	/	22.28	/	/	<=33	Pass
	2592.99	Inner_1RB_Left	20.01	/	/	22.21	/	/	<=33	Pass
		Inner_1RB_Right	19.95	/	/	22.15	/	/	<=33	Pass
		Edge_1RB_Left	19.88	/	/	22.08	/	/	<=33	Pass



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	Edge_1RB_Right	19.68	/	/	21.88	/	/	<=33	Pass
	Outer_Full	19.97	/	/	22.17	/	/	<=33	Pass
	Inner_Full	19.99	/	/	22.19	/	/	<=33	Pass
	Inner_1RB_Left	19.91	/	/	22.11	/	/	<=33	Pass
	Inner_1RB_Right	19.73	/	/	21.93	/	/	<=33	Pass

Note1: Antenna Gain: Ant0: 2.2dBi; Ant4: 2.2dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.6 30k_SISO_80MHz_NTNV_EIRP

1.6.1 Test Result

5G NR n41 SCS=30kHz SISO 80MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Verdict	
			Ant0	Ant4	Sum	Ant0	Ant4	Sum		Limit
DFT-s-OFDM PI/2 BPSK	2536.02	Edge_1RB_Left	22.66	/	/	24.86	/	/	<=33	Pass
		Edge_1RB_Right	22.88	/	/	25.08	/	/	<=33	Pass
		Outer_Full	24.36	/	/	26.56	/	/	<=33	Pass
		Inner_Full	26.30	/	/	28.5	/	/	<=33	Pass
		Inner_1RB_Left	26.30	/	/	28.5	/	/	<=33	Pass
		Inner_1RB_Right	26.33	/	/	28.53	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	22.57	/	/	24.77	/	/	<=33	Pass
		Edge_1RB_Right	22.84	/	/	25.04	/	/	<=33	Pass
		Outer_Full	24.57	/	/	26.77	/	/	<=33	Pass
		Inner_Full	26.58	/	/	28.78	/	/	<=33	Pass
		Inner_1RB_Left	26.12	/	/	28.32	/	/	<=33	Pass
		Inner_1RB_Right	26.37	/	/	28.57	/	/	<=33	Pass
	2649.99	Edge_1RB_Left	22.81	/	/	25.01	/	/	<=33	Pass
		Edge_1RB_Right	22.59	/	/	24.79	/	/	<=33	Pass
		Outer_Full	24.37	/	/	26.57	/	/	<=33	Pass
		Inner_Full	26.41	/	/	28.61	/	/	<=33	Pass
		Inner_1RB_Left	26.29	/	/	28.49	/	/	<=33	Pass
		Inner_1RB_Right	26.03	/	/	28.23	/	/	<=33	Pass
DFT-s-OFDM QPSK	2536.02	Edge_1RB_Left	22.68	/	/	24.88	/	/	<=33	Pass
		Edge_1RB_Right	22.96	/	/	25.16	/	/	<=33	Pass
		Outer_Full	23.83	/	/	26.03	/	/	<=33	Pass
		Inner_Full	26.29	/	/	28.49	/	/	<=33	Pass
		Inner_1RB_Left	26.26	/	/	28.46	/	/	<=33	Pass
		Inner_1RB_Right	26.39	/	/	28.59	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	22.51	/	/	24.71	/	/	<=33	Pass
		Edge_1RB_Right	22.92	/	/	25.12	/	/	<=33	Pass
		Outer_Full	24.05	/	/	26.25	/	/	<=33	Pass
		Inner_Full	26.58	/	/	28.78	/	/	<=33	Pass
		Inner_1RB_Left	26.08	/	/	28.28	/	/	<=33	Pass
		Inner_1RB_Right	26.37	/	/	28.57	/	/	<=33	Pass
2649.99	Edge_1RB_Left	22.84	/	/	25.04	/	/	<=33	Pass	



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DFT-s-OFDM 16 QAM	2536.02	Edge_1RB_Right	22.56	/	/	24.76	/	/	<=33	Pass		
		Outer_Full	23.84	/	/	26.04	/	/	<=33	Pass		
		Inner_Full	26.36	/	/	28.56	/	/	<=33	Pass		
		Inner_1RB_Left	26.27	/	/	28.47	/	/	<=33	Pass		
		Inner_1RB_Right	26.02	/	/	28.22	/	/	<=33	Pass		
	2592.99	2536.02	Edge_1RB_Left	22.66	/	/	24.86	/	/	<=33	Pass	
			Edge_1RB_Right	22.90	/	/	25.1	/	/	<=33	Pass	
			Outer_Full	22.98	/	/	25.18	/	/	<=33	Pass	
			Inner_Full	25.36	/	/	27.56	/	/	<=33	Pass	
			Inner_1RB_Left	25.19	/	/	27.39	/	/	<=33	Pass	
		2649.99	2592.99	Inner_1RB_Right	25.34	/	/	27.54	/	/	<=33	Pass
				Edge_1RB_Left	22.61	/	/	24.81	/	/	<=33	Pass
				Edge_1RB_Right	22.92	/	/	25.12	/	/	<=33	Pass
				Outer_Full	23.17	/	/	25.37	/	/	<=33	Pass
				Inner_Full	25.60	/	/	27.8	/	/	<=33	Pass
2649.99	2592.99	Inner_1RB_Left	25.15	/	/	27.35	/	/	<=33	Pass		
		Inner_1RB_Right	25.40	/	/	27.6	/	/	<=33	Pass		
		Edge_1RB_Left	22.78	/	/	24.98	/	/	<=33	Pass		
		Edge_1RB_Right	22.49	/	/	24.69	/	/	<=33	Pass		
		Outer_Full	22.86	/	/	25.06	/	/	<=33	Pass		
DFT-s-OFDM 64 QAM	2536.02	Inner_Full	25.38	/	/	27.58	/	/	<=33	Pass		
		Inner_1RB_Left	25.17	/	/	27.37	/	/	<=33	Pass		
		Inner_1RB_Right	24.91	/	/	27.11	/	/	<=33	Pass		
		Edge_1RB_Left	22.90	/	/	25.1	/	/	<=33	Pass		
		Edge_1RB_Right	23.02	/	/	25.22	/	/	<=33	Pass		
	2592.99	2536.02	Outer_Full	22.41	/	/	24.61	/	/	<=33	Pass	
			Inner_Full	23.97	/	/	26.17	/	/	<=33	Pass	
			Inner_1RB_Left	23.89	/	/	26.09	/	/	<=33	Pass	
			Inner_1RB_Right	24.10	/	/	26.3	/	/	<=33	Pass	
			Edge_1RB_Left	22.76	/	/	24.96	/	/	<=33	Pass	
		2649.99	2592.99	Edge_1RB_Right	23.14	/	/	25.34	/	/	<=33	Pass
				Outer_Full	22.55	/	/	24.75	/	/	<=33	Pass
				Inner_Full	24.26	/	/	26.46	/	/	<=33	Pass
				Inner_1RB_Left	23.83	/	/	26.03	/	/	<=33	Pass
				Inner_1RB_Right	24.02	/	/	26.22	/	/	<=33	Pass
2649.99	2592.99	Edge_1RB_Left	22.87	/	/	25.07	/	/	<=33	Pass		
		Edge_1RB_Right	22.70	/	/	24.9	/	/	<=33	Pass		
		Outer_Full	22.33	/	/	24.53	/	/	<=33	Pass		
		Inner_Full	23.93	/	/	26.13	/	/	<=33	Pass		
		Inner_1RB_Left	23.89	/	/	26.09	/	/	<=33	Pass		
DFT-s-OFDM 256 QAM	2536.02	Inner_1RB_Right	23.63	/	/	25.83	/	/	<=33	Pass		
		Edge_1RB_Left	21.66	/	/	23.86	/	/	<=33	Pass		
		Edge_1RB_Right	21.87	/	/	24.07	/	/	<=33	Pass		
		Outer_Full	21.89	/	/	24.09	/	/	<=33	Pass		
		Inner_Full	21.82	/	/	24.02	/	/	<=33	Pass		
	2592.99	2536.02	Inner_1RB_Left	21.62	/	/	23.82	/	/	<=33	Pass	
			Inner_1RB_Right	21.99	/	/	24.19	/	/	<=33	Pass	
			Edge_1RB_Left	21.46	/	/	23.66	/	/	<=33	Pass	



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		Edge_1RB_Right	21.88	/	/	24.08	/	/	<=33	Pass
		Outer_Full	22.08	/	/	24.28	/	/	<=33	Pass
		Inner_Full	22.15	/	/	24.35	/	/	<=33	Pass
		Inner_1RB_Left	21.48	/	/	23.68	/	/	<=33	Pass
		Inner_1RB_Right	21.91	/	/	24.11	/	/	<=33	Pass
		Edge_1RB_Left	21.77	/	/	23.97	/	/	<=33	Pass
		Edge_1RB_Right	21.51	/	/	23.71	/	/	<=33	Pass
		Outer_Full	21.82	/	/	24.02	/	/	<=33	Pass
		Inner_Full	21.92	/	/	24.12	/	/	<=33	Pass
		Inner_1RB_Left	21.87	/	/	24.07	/	/	<=33	Pass
CP-OFDM QPSK	2536.02	Inner_1RB_Right	21.49	/	/	23.69	/	/	<=33	Pass
		Edge_1RB_Left	22.62	/	/	24.82	/	/	<=33	Pass
		Edge_1RB_Right	22.85	/	/	25.05	/	/	<=33	Pass
		Outer_Full	22.82	/	/	25.02	/	/	<=33	Pass
		Inner_Full	24.86	/	/	27.06	/	/	<=33	Pass
	2592.99	Inner_1RB_Left	24.82	/	/	27.02	/	/	<=33	Pass
		Inner_1RB_Right	24.87	/	/	27.07	/	/	<=33	Pass
		Edge_1RB_Left	22.64	/	/	24.84	/	/	<=33	Pass
		Edge_1RB_Right	22.94	/	/	25.14	/	/	<=33	Pass
		Outer_Full	23.02	/	/	25.22	/	/	<=33	Pass
2649.99	Inner_Full	25.07	/	/	27.27	/	/	<=33	Pass	
	Inner_1RB_Left	24.65	/	/	26.85	/	/	<=33	Pass	
	Inner_1RB_Right	24.90	/	/	27.1	/	/	<=33	Pass	
	Edge_1RB_Left	22.81	/	/	25.01	/	/	<=33	Pass	
	Edge_1RB_Right	22.62	/	/	24.82	/	/	<=33	Pass	
CP-OFDM 16 QAM	2536.02	Outer_Full	22.81	/	/	25.01	/	/	<=33	Pass
		Inner_Full	24.90	/	/	27.1	/	/	<=33	Pass
		Inner_1RB_Left	24.79	/	/	26.99	/	/	<=33	Pass
		Inner_1RB_Right	24.54	/	/	26.74	/	/	<=33	Pass
		Edge_1RB_Left	23.28	/	/	25.48	/	/	<=33	Pass
	2592.99	Edge_1RB_Right	23.30	/	/	25.5	/	/	<=33	Pass
		Outer_Full	21.98	/	/	24.18	/	/	<=33	Pass
		Inner_Full	24.39	/	/	26.59	/	/	<=33	Pass
		Inner_1RB_Left	24.13	/	/	26.33	/	/	<=33	Pass
		Inner_1RB_Right	24.32	/	/	26.52	/	/	<=33	Pass
2649.99	Edge_1RB_Left	23.01	/	/	25.21	/	/	<=33	Pass	
	Edge_1RB_Right	23.39	/	/	25.59	/	/	<=33	Pass	
	Outer_Full	22.06	/	/	24.26	/	/	<=33	Pass	
	Inner_Full	24.60	/	/	26.8	/	/	<=33	Pass	
	Inner_1RB_Left	24.02	/	/	26.22	/	/	<=33	Pass	
CP-OFDM 64 QAM	2536.02	Inner_1RB_Right	24.34	/	/	26.54	/	/	<=33	Pass
		Edge_1RB_Left	23.25	/	/	25.45	/	/	<=33	Pass
		Edge_1RB_Right	23.02	/	/	25.22	/	/	<=33	Pass
		Outer_Full	21.83	/	/	24.03	/	/	<=33	Pass
		Inner_Full	24.45	/	/	26.65	/	/	<=33	Pass
		Inner_1RB_Left	24.42	/	/	26.62	/	/	<=33	Pass
		Inner_1RB_Right	23.89	/	/	26.09	/	/	<=33	Pass
		Edge_1RB_Left	22.85	/	/	25.05	/	/	<=33	Pass



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		Edge_1RB_Right	23.02	/	/	25.22	/	/	<=33	Pass
		Outer_Full	21.37	/	/	23.57	/	/	<=33	Pass
		Inner_Full	22.85	/	/	25.05	/	/	<=33	Pass
		Inner_1RB_Left	22.71	/	/	24.91	/	/	<=33	Pass
		Inner_1RB_Right	23.01	/	/	25.21	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	22.72	/	/	24.92	/	/	<=33	Pass
		Edge_1RB_Right	23.04	/	/	25.24	/	/	<=33	Pass
		Outer_Full	21.59	/	/	23.79	/	/	<=33	Pass
		Inner_Full	23.04	/	/	25.24	/	/	<=33	Pass
		Inner_1RB_Left	22.79	/	/	24.99	/	/	<=33	Pass
	2649.99	Inner_1RB_Right	22.90	/	/	25.1	/	/	<=33	Pass
		Edge_1RB_Left	22.91	/	/	25.11	/	/	<=33	Pass
		Edge_1RB_Right	22.69	/	/	24.89	/	/	<=33	Pass
		Outer_Full	21.35	/	/	23.55	/	/	<=33	Pass
		Inner_Full	22.90	/	/	25.1	/	/	<=33	Pass
CP-OFDM 256 QAM	2536.02	Inner_1RB_Left	22.83	/	/	25.03	/	/	<=33	Pass
		Inner_1RB_Right	22.64	/	/	24.84	/	/	<=33	Pass
		Edge_1RB_Left	19.59	/	/	21.79	/	/	<=33	Pass
		Edge_1RB_Right	19.79	/	/	21.99	/	/	<=33	Pass
		Outer_Full	19.95	/	/	22.15	/	/	<=33	Pass
	2592.99	Inner_Full	19.83	/	/	22.03	/	/	<=33	Pass
		Inner_1RB_Left	19.86	/	/	22.06	/	/	<=33	Pass
		Inner_1RB_Right	19.95	/	/	22.15	/	/	<=33	Pass
		Edge_1RB_Left	19.69	/	/	21.89	/	/	<=33	Pass
		Edge_1RB_Right	19.93	/	/	22.13	/	/	<=33	Pass
	2649.99	Outer_Full	20.05	/	/	22.25	/	/	<=33	Pass
		Inner_Full	20.15	/	/	22.35	/	/	<=33	Pass
		Inner_1RB_Left	19.70	/	/	21.9	/	/	<=33	Pass
		Inner_1RB_Right	19.93	/	/	22.13	/	/	<=33	Pass
		Edge_1RB_Left	19.82	/	/	22.02	/	/	<=33	Pass
	Edge_1RB_Right	19.55	/	/	21.75	/	/	<=33	Pass	
	Outer_Full	19.92	/	/	22.12	/	/	<=33	Pass	
	Inner_Full	19.97	/	/	22.17	/	/	<=33	Pass	
	Inner_1RB_Left	19.88	/	/	22.08	/	/	<=33	Pass	
	Inner_1RB_Right	19.50	/	/	21.7	/	/	<=33	Pass	

Note1: Antenna Gain: Ant0: 2.2dBi; Ant4: 2.2dBi;
Note2: EIRP=Conducted Power+Antenna Gain

1.7 30k_SISO_90MHz_NTNV_EIRP

1.7.1 Test Result

5G NR n41 SCS=30kHz SISO 90MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit	
DFT-s-OFDM PI/2	2541	Edge_1RB_Left	22.78	/	/	24.98	/	/	<=33	Pass



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BPSK		Edge_1RB_Right	22.99	/	/	25.19	/	/	<=33	Pass
		Outer_Full	24.44	/	/	26.64	/	/	<=33	Pass
		Inner_Full	26.36	/	/	28.56	/	/	<=33	Pass
		Inner_1RB_Left	26.28	/	/	28.48	/	/	<=33	Pass
		Inner_1RB_Right	26.46	/	/	28.66	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	22.47	/	/	24.67	/	/	<=33	Pass
		Edge_1RB_Right	22.99	/	/	25.19	/	/	<=33	Pass
		Outer_Full	24.50	/	/	26.7	/	/	<=33	Pass
		Inner_Full	26.56	/	/	28.76	/	/	<=33	Pass
		Inner_1RB_Left	26.09	/	/	28.29	/	/	<=33	Pass
	2644.98	Inner_1RB_Right	26.44	/	/	28.64	/	/	<=33	Pass
		Edge_1RB_Left	22.99	/	/	25.19	/	/	<=33	Pass
		Edge_1RB_Right	22.73	/	/	24.93	/	/	<=33	Pass
		Outer_Full	24.53	/	/	26.73	/	/	<=33	Pass
		Inner_Full	26.59	/	/	28.79	/	/	<=33	Pass
DFT-s-OFDM QPSK	2541	Inner_1RB_Left	26.41	/	/	28.61	/	/	<=33	Pass
		Inner_1RB_Right	26.25	/	/	28.45	/	/	<=33	Pass
		Edge_1RB_Left	22.67	/	/	24.87	/	/	<=33	Pass
		Edge_1RB_Right	22.96	/	/	25.16	/	/	<=33	Pass
		Outer_Full	23.97	/	/	26.17	/	/	<=33	Pass
	2592.99	Inner_Full	26.34	/	/	28.54	/	/	<=33	Pass
		Inner_1RB_Left	26.34	/	/	28.54	/	/	<=33	Pass
		Inner_1RB_Right	26.47	/	/	28.67	/	/	<=33	Pass
		Edge_1RB_Left	22.60	/	/	24.8	/	/	<=33	Pass
		Edge_1RB_Right	22.99	/	/	25.19	/	/	<=33	Pass
	2644.98	Outer_Full	24.14	/	/	26.34	/	/	<=33	Pass
		Inner_Full	26.71	/	/	28.91	/	/	<=33	Pass
		Inner_1RB_Left	26.04	/	/	28.24	/	/	<=33	Pass
		Inner_1RB_Right	26.57	/	/	28.77	/	/	<=33	Pass
		Edge_1RB_Left	22.94	/	/	25.14	/	/	<=33	Pass
2541	Edge_1RB_Right	22.67	/	/	24.87	/	/	<=33	Pass	
	Outer_Full	23.98	/	/	26.18	/	/	<=33	Pass	
	Inner_Full	26.47	/	/	28.67	/	/	<=33	Pass	
	Inner_1RB_Left	26.37	/	/	28.57	/	/	<=33	Pass	
	Inner_1RB_Right	26.23	/	/	28.43	/	/	<=33	Pass	
DFT-s-OFDM 16 QAM	2541	Edge_1RB_Left	22.75	/	/	24.95	/	/	<=33	Pass
		Edge_1RB_Right	22.95	/	/	25.15	/	/	<=33	Pass
		Outer_Full	22.99	/	/	25.19	/	/	<=33	Pass
		Inner_Full	25.46	/	/	27.66	/	/	<=33	Pass
		Inner_1RB_Left	25.31	/	/	27.51	/	/	<=33	Pass
	2592.99	Inner_1RB_Right	25.48	/	/	27.68	/	/	<=33	Pass
		Edge_1RB_Left	22.64	/	/	24.84	/	/	<=33	Pass
		Edge_1RB_Right	23.04	/	/	25.24	/	/	<=33	Pass
		Outer_Full	23.20	/	/	25.4	/	/	<=33	Pass
		Inner_Full	25.74	/	/	27.94	/	/	<=33	Pass
	2644.98	Inner_1RB_Left	25.08	/	/	27.28	/	/	<=33	Pass
		Inner_1RB_Right	25.52	/	/	27.72	/	/	<=33	Pass
		Edge_1RB_Left	22.96	/	/	25.16	/	/	<=33	Pass



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DFT-s-OFDM 64 QAM	2541	Edge_1RB_Right	22.79	/	/	24.99	/	/	<=33	Pass		
		Outer_Full	23.08	/	/	25.28	/	/	<=33	Pass		
		Inner_Full	25.60	/	/	27.8	/	/	<=33	Pass		
		Inner_1RB_Left	25.32	/	/	27.52	/	/	<=33	Pass		
		Inner_1RB_Right	25.18	/	/	27.38	/	/	<=33	Pass		
	2592.99	2541	Edge_1RB_Left	22.85	/	/	25.05	/	/	<=33	Pass	
			Edge_1RB_Right	23.16	/	/	25.36	/	/	<=33	Pass	
			Outer_Full	22.57	/	/	24.77	/	/	<=33	Pass	
			Inner_Full	24.04	/	/	26.24	/	/	<=33	Pass	
			Inner_1RB_Left	23.82	/	/	26.02	/	/	<=33	Pass	
		2592.99	2541	Inner_1RB_Right	24.17	/	/	26.37	/	/	<=33	Pass
				Edge_1RB_Left	22.82	/	/	25.02	/	/	<=33	Pass
				Edge_1RB_Right	23.25	/	/	25.45	/	/	<=33	Pass
				Outer_Full	22.71	/	/	24.91	/	/	<=33	Pass
				Inner_Full	24.25	/	/	26.45	/	/	<=33	Pass
2644.98	2541	Inner_1RB_Left	23.82	/	/	26.02	/	/	<=33	Pass		
		Inner_1RB_Right	24.20	/	/	26.4	/	/	<=33	Pass		
		Edge_1RB_Left	22.91	/	/	25.11	/	/	<=33	Pass		
		Edge_1RB_Right	22.87	/	/	25.07	/	/	<=33	Pass		
		Outer_Full	22.48	/	/	24.68	/	/	<=33	Pass		
2541	2592.99	Inner_Full	24.04	/	/	26.24	/	/	<=33	Pass		
		Inner_1RB_Left	24.05	/	/	26.25	/	/	<=33	Pass		
		Inner_1RB_Right	23.88	/	/	26.08	/	/	<=33	Pass		
		Edge_1RB_Left	21.83	/	/	24.03	/	/	<=33	Pass		
		Edge_1RB_Right	21.81	/	/	24.01	/	/	<=33	Pass		
DFT-s-OFDM 256 QAM	2541	Outer_Full	21.95	/	/	24.15	/	/	<=33	Pass		
		Inner_Full	21.94	/	/	24.14	/	/	<=33	Pass		
		Inner_1RB_Left	21.84	/	/	24.04	/	/	<=33	Pass		
		Inner_1RB_Right	22.05	/	/	24.25	/	/	<=33	Pass		
		Edge_1RB_Left	21.52	/	/	23.72	/	/	<=33	Pass		
	2592.99	2541	Edge_1RB_Right	21.95	/	/	24.15	/	/	<=33	Pass	
			Outer_Full	22.01	/	/	24.21	/	/	<=33	Pass	
			Inner_Full	22.30	/	/	24.5	/	/	<=33	Pass	
			Inner_1RB_Left	21.65	/	/	23.85	/	/	<=33	Pass	
			Inner_1RB_Right	21.95	/	/	24.15	/	/	<=33	Pass	
	2644.98	2541	Edge_1RB_Left	21.90	/	/	24.1	/	/	<=33	Pass	
			Edge_1RB_Right	21.74	/	/	23.94	/	/	<=33	Pass	
			Outer_Full	21.88	/	/	24.08	/	/	<=33	Pass	
			Inner_Full	21.99	/	/	24.19	/	/	<=33	Pass	
			Inner_1RB_Left	21.83	/	/	24.03	/	/	<=33	Pass	
CP-OFDM QPSK	2541	Inner_1RB_Right	21.76	/	/	23.96	/	/	<=33	Pass		
		Edge_1RB_Left	22.52	/	/	24.72	/	/	<=33	Pass		
		Edge_1RB_Right	23.01	/	/	25.21	/	/	<=33	Pass		
		Outer_Full	22.97	/	/	25.17	/	/	<=33	Pass		
		Inner_Full	24.84	/	/	27.04	/	/	<=33	Pass		
	2592.99	2541	Inner_1RB_Left	24.88	/	/	27.08	/	/	<=33	Pass	
			Inner_1RB_Right	24.93	/	/	27.13	/	/	<=33	Pass	
			Edge_1RB_Left	22.63	/	/	24.83	/	/	<=33	Pass	



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CP-OFDM 16 QAM	2644.98	Edge_1RB_Right	22.99	/	/	25.19	/	/	<=33	Pass	
		Outer_Full	23.01	/	/	25.21	/	/	<=33	Pass	
		Inner_Full	25.06	/	/	27.26	/	/	<=33	Pass	
		Inner_1RB_Left	24.72	/	/	26.92	/	/	<=33	Pass	
		Inner_1RB_Right	24.88	/	/	27.08	/	/	<=33	Pass	
	2644.98	Edge_1RB_Left	22.95	/	/	25.15	/	/	<=33	Pass	
		Edge_1RB_Right	22.67	/	/	24.87	/	/	<=33	Pass	
		Outer_Full	22.92	/	/	25.12	/	/	<=33	Pass	
		Inner_Full	24.94	/	/	27.14	/	/	<=33	Pass	
		Inner_1RB_Left	25.04	/	/	27.24	/	/	<=33	Pass	
	CP-OFDM 64 QAM	2541	Inner_1RB_Right	24.80	/	/	27	/	/	<=33	Pass
			Edge_1RB_Left	23.29	/	/	25.49	/	/	<=33	Pass
			Edge_1RB_Right	23.54	/	/	25.74	/	/	<=33	Pass
			Outer_Full	22.05	/	/	24.25	/	/	<=33	Pass
Inner_Full			24.49	/	/	26.69	/	/	<=33	Pass	
2592.99		Inner_1RB_Left	24.17	/	/	26.37	/	/	<=33	Pass	
		Inner_1RB_Right	24.48	/	/	26.68	/	/	<=33	Pass	
		Edge_1RB_Left	23.24	/	/	25.44	/	/	<=33	Pass	
		Edge_1RB_Right	23.64	/	/	25.84	/	/	<=33	Pass	
		Outer_Full	22.16	/	/	24.36	/	/	<=33	Pass	
2644.98		Inner_Full	24.69	/	/	26.89	/	/	<=33	Pass	
		Inner_1RB_Left	24.06	/	/	26.26	/	/	<=33	Pass	
		Inner_1RB_Right	24.57	/	/	26.77	/	/	<=33	Pass	
		Edge_1RB_Left	23.42	/	/	25.62	/	/	<=33	Pass	
	Edge_1RB_Right	23.22	/	/	25.42	/	/	<=33	Pass		
CP-OFDM 256 QAM	2541	Outer_Full	24.48	/	/	26.68	/	/	<=33	Pass	
		Inner_1RB_Left	24.35	/	/	26.55	/	/	<=33	Pass	
		Inner_1RB_Right	24.06	/	/	26.26	/	/	<=33	Pass	
		Edge_1RB_Left	22.91	/	/	25.11	/	/	<=33	Pass	
		Edge_1RB_Right	23.12	/	/	25.32	/	/	<=33	Pass	
	2592.99	Outer_Full	21.55	/	/	23.75	/	/	<=33	Pass	
		Inner_Full	22.96	/	/	25.16	/	/	<=33	Pass	
		Inner_1RB_Left	22.83	/	/	25.03	/	/	<=33	Pass	
		Inner_1RB_Right	23.08	/	/	25.28	/	/	<=33	Pass	
		Edge_1RB_Left	22.77	/	/	24.97	/	/	<=33	Pass	
	2644.98	Edge_1RB_Right	23.19	/	/	25.39	/	/	<=33	Pass	
		Outer_Full	21.61	/	/	23.81	/	/	<=33	Pass	
		Inner_Full	23.12	/	/	25.32	/	/	<=33	Pass	
		Inner_1RB_Left	22.69	/	/	24.89	/	/	<=33	Pass	
Inner_1RB_Right		23.10	/	/	25.3	/	/	<=33	Pass		
2541	Edge_1RB_Left	22.89	/	/	25.09	/	/	<=33	Pass		
	Edge_1RB_Right	22.75	/	/	24.95	/	/	<=33	Pass		
	Outer_Full	21.43	/	/	23.63	/	/	<=33	Pass		
	Inner_Full	23.09	/	/	25.29	/	/	<=33	Pass		
	Inner_1RB_Left	22.96	/	/	25.16	/	/	<=33	Pass		
2541	Inner_1RB_Right	22.78	/	/	24.98	/	/	<=33	Pass		
	Edge_1RB_Left	19.84	/	/	22.04	/	/	<=33	Pass		



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		Edge_1RB_Right	20.09	/	/	22.29	/	/	<=33	Pass
		Outer_Full	20.00	/	/	22.2	/	/	<=33	Pass
		Inner_Full	19.94	/	/	22.14	/	/	<=33	Pass
		Inner_1RB_Left	19.66	/	/	21.86	/	/	<=33	Pass
		Inner_1RB_Right	20.14	/	/	22.34	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	19.68	/	/	21.88	/	/	<=33	Pass
		Edge_1RB_Right	20.03	/	/	22.23	/	/	<=33	Pass
		Outer_Full	20.07	/	/	22.27	/	/	<=33	Pass
		Inner_Full	20.16	/	/	22.36	/	/	<=33	Pass
		Inner_1RB_Left	19.65	/	/	21.85	/	/	<=33	Pass
	2644.98	Inner_1RB_Right	19.95	/	/	22.15	/	/	<=33	Pass
		Edge_1RB_Left	19.78	/	/	21.98	/	/	<=33	Pass
		Edge_1RB_Right	19.70	/	/	21.9	/	/	<=33	Pass
		Outer_Full	19.94	/	/	22.14	/	/	<=33	Pass
		Inner_Full	19.99	/	/	22.19	/	/	<=33	Pass
		Inner_1RB_Left	19.87	/	/	22.07	/	/	<=33	Pass
		Inner_1RB_Right	19.60	/	/	21.8	/	/	<=33	Pass

Note1: Antenna Gain: Ant0: 2.2dBi; Ant4: 2.2dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.8 30k_SISO_100MHz_NTNV_EIRP

1.8.1 Test Result

5G NR n41 SCS=30kHz SISO 100MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2546.01	Edge_1RB_Left	22.82	/	/	25.02	/	/	<=33	Pass
		Edge_1RB_Right	22.98	/	/	25.18	/	/	<=33	Pass
		Outer_Full	24.52	/	/	26.72	/	/	<=33	Pass
		Inner_Full	26.41	/	/	28.61	/	/	<=33	Pass
		Inner_1RB_Left	26.35	/	/	28.55	/	/	<=33	Pass
		Inner_1RB_Right	26.56	/	/	28.76	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	22.61	/	/	24.81	/	/	<=33	Pass
		Edge_1RB_Right	22.99	/	/	25.19	/	/	<=33	Pass
		Outer_Full	24.53	/	/	26.73	/	/	<=33	Pass
		Inner_Full	26.61	/	/	28.81	/	/	<=33	Pass
		Inner_1RB_Left	26.15	/	/	28.35	/	/	<=33	Pass
		Inner_1RB_Right	26.48	/	/	28.68	/	/	<=33	Pass
	2640	Edge_1RB_Left	22.84	/	/	25.04	/	/	<=33	Pass
		Edge_1RB_Right	22.76	/	/	24.96	/	/	<=33	Pass
		Outer_Full	24.47	/	/	26.67	/	/	<=33	Pass
		Inner_Full	26.40	/	/	28.6	/	/	<=33	Pass
		Inner_1RB_Left	26.41	/	/	28.61	/	/	<=33	Pass
		Inner_1RB_Right	26.25	/	/	28.45	/	/	<=33	Pass
DFT-s-OFDM QPSK	2546.01	Edge_1RB_Left	22.84	/	/	25.04	/	/	<=33	Pass



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		Edge_1RB_Right	23.02	/	/	25.22	/	/	<=33	Pass
		Outer_Full	24.04	/	/	26.24	/	/	<=33	Pass
		Inner_Full	26.46	/	/	28.66	/	/	<=33	Pass
		Inner_1RB_Left	26.36	/	/	28.56	/	/	<=33	Pass
		Inner_1RB_Right	26.54	/	/	28.74	/	/	<=33	Pass
	2592.99	Edge_1RB_Left	22.69	/	/	24.89	/	/	<=33	Pass
		Edge_1RB_Right	22.92	/	/	25.12	/	/	<=33	Pass
		Outer_Full	23.99	/	/	26.19	/	/	<=33	Pass
		Inner_Full	26.65	/	/	28.85	/	/	<=33	Pass
		Inner_1RB_Left	26.12	/	/	28.32	/	/	<=33	Pass
	2640	Inner_1RB_Right	26.53	/	/	28.73	/	/	<=33	Pass
		Edge_1RB_Left	22.94	/	/	25.14	/	/	<=33	Pass
		Edge_1RB_Right	22.76	/	/	24.96	/	/	<=33	Pass
		Outer_Full	23.93	/	/	26.13	/	/	<=33	Pass
		Inner_Full	26.50	/	/	28.7	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2546.01	Inner_1RB_Left	26.36	/	/	28.56	/	/	<=33	Pass
		Inner_1RB_Right	26.24	/	/	28.44	/	/	<=33	Pass
		Edge_1RB_Left	22.89	/	/	25.09	/	/	<=33	Pass
		Edge_1RB_Right	22.98	/	/	25.18	/	/	<=33	Pass
		Outer_Full	23.05	/	/	25.25	/	/	<=33	Pass
	2592.99	Inner_Full	25.43	/	/	27.63	/	/	<=33	Pass
		Inner_1RB_Left	25.19	/	/	27.39	/	/	<=33	Pass
		Inner_1RB_Right	25.42	/	/	27.62	/	/	<=33	Pass
		Edge_1RB_Left	22.69	/	/	24.89	/	/	<=33	Pass
		Edge_1RB_Right	23.02	/	/	25.22	/	/	<=33	Pass
	2640	Outer_Full	23.17	/	/	25.37	/	/	<=33	Pass
		Inner_Full	25.73	/	/	27.93	/	/	<=33	Pass
		Inner_1RB_Left	25.14	/	/	27.34	/	/	<=33	Pass
		Inner_1RB_Right	25.43	/	/	27.63	/	/	<=33	Pass
		Edge_1RB_Left	22.94	/	/	25.14	/	/	<=33	Pass
2546.01	Edge_1RB_Right	22.55	/	/	24.75	/	/	<=33	Pass	
	Outer_Full	22.95	/	/	25.15	/	/	<=33	Pass	
	Inner_Full	25.51	/	/	27.71	/	/	<=33	Pass	
	Inner_1RB_Left	25.31	/	/	27.51	/	/	<=33	Pass	
	Inner_1RB_Right	25.04	/	/	27.24	/	/	<=33	Pass	
DFT-s-OFDM 64 QAM	2546.01	Edge_1RB_Left	23.04	/	/	25.24	/	/	<=33	Pass
		Edge_1RB_Right	23.21	/	/	25.41	/	/	<=33	Pass
		Outer_Full	22.65	/	/	24.85	/	/	<=33	Pass
		Inner_Full	24.00	/	/	26.2	/	/	<=33	Pass
		Inner_1RB_Left	24.09	/	/	26.29	/	/	<=33	Pass
	2592.99	Inner_1RB_Right	24.17	/	/	26.37	/	/	<=33	Pass
		Edge_1RB_Left	22.87	/	/	25.07	/	/	<=33	Pass
		Edge_1RB_Right	23.20	/	/	25.4	/	/	<=33	Pass
		Outer_Full	22.66	/	/	24.86	/	/	<=33	Pass
		Inner_Full	24.20	/	/	26.4	/	/	<=33	Pass
	2640	Inner_1RB_Left	23.86	/	/	26.06	/	/	<=33	Pass
		Inner_1RB_Right	24.11	/	/	26.31	/	/	<=33	Pass
		Edge_1RB_Left	22.99	/	/	25.19	/	/	<=33	Pass



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DFT-s-OFDM 256 QAM	2546.01	Edge_1RB_Right	22.77	/	/	24.97	/	/	<=33	Pass	
		Outer_Full	22.50	/	/	24.7	/	/	<=33	Pass	
		Inner_Full	24.03	/	/	26.23	/	/	<=33	Pass	
		Inner_1RB_Left	24.02	/	/	26.22	/	/	<=33	Pass	
		Inner_1RB_Right	23.78	/	/	25.98	/	/	<=33	Pass	
	2592.99	2546.01	Edge_1RB_Left	21.82	/	/	24.02	/	/	<=33	Pass
			Edge_1RB_Right	22.07	/	/	24.27	/	/	<=33	Pass
			Outer_Full	21.94	/	/	24.14	/	/	<=33	Pass
			Inner_Full	22.03	/	/	24.23	/	/	<=33	Pass
			Inner_1RB_Left	21.84	/	/	24.04	/	/	<=33	Pass
2640		Inner_1RB_Right	22.01	/	/	24.21	/	/	<=33	Pass	
		Edge_1RB_Left	21.62	/	/	23.82	/	/	<=33	Pass	
		Edge_1RB_Right	21.98	/	/	24.18	/	/	<=33	Pass	
		Outer_Full	22.06	/	/	24.26	/	/	<=33	Pass	
		Inner_Full	22.07	/	/	24.27	/	/	<=33	Pass	
CP-OFDM QPSK	2546.01	Inner_1RB_Left	21.59	/	/	23.79	/	/	<=33	Pass	
		Inner_1RB_Right	21.93	/	/	24.13	/	/	<=33	Pass	
		Edge_1RB_Left	21.87	/	/	24.07	/	/	<=33	Pass	
		Edge_1RB_Right	21.72	/	/	23.92	/	/	<=33	Pass	
		Outer_Full	21.93	/	/	24.13	/	/	<=33	Pass	
	2592.99	2546.01	Inner_Full	21.98	/	/	24.18	/	/	<=33	Pass
			Inner_1RB_Left	21.93	/	/	24.13	/	/	<=33	Pass
			Inner_1RB_Right	21.65	/	/	23.85	/	/	<=33	Pass
			Edge_1RB_Left	22.91	/	/	25.11	/	/	<=33	Pass
			Edge_1RB_Right	23.01	/	/	25.21	/	/	<=33	Pass
2640		Outer_Full	23.04	/	/	25.24	/	/	<=33	Pass	
		Inner_Full	24.97	/	/	27.17	/	/	<=33	Pass	
		Inner_1RB_Left	24.92	/	/	27.12	/	/	<=33	Pass	
		Inner_1RB_Right	25.06	/	/	27.26	/	/	<=33	Pass	
		Edge_1RB_Left	22.67	/	/	24.87	/	/	<=33	Pass	
CP-OFDM 16 QAM	2546.01	Edge_1RB_Right	22.95	/	/	25.15	/	/	<=33	Pass	
		Outer_Full	22.97	/	/	25.17	/	/	<=33	Pass	
		Inner_Full	25.13	/	/	27.33	/	/	<=33	Pass	
		Inner_1RB_Left	24.73	/	/	26.93	/	/	<=33	Pass	
		Inner_1RB_Right	24.99	/	/	27.19	/	/	<=33	Pass	
	2592.99	Edge_1RB_Left	22.96	/	/	25.16	/	/	<=33	Pass	
		Edge_1RB_Right	22.78	/	/	24.98	/	/	<=33	Pass	
		Outer_Full	22.85	/	/	25.05	/	/	<=33	Pass	
		Inner_Full	24.89	/	/	27.09	/	/	<=33	Pass	
		Inner_1RB_Left	25.08	/	/	27.28	/	/	<=33	Pass	
2546.01	Inner_1RB_Right	24.73	/	/	26.93	/	/	<=33	Pass		
	Edge_1RB_Left	23.37	/	/	25.57	/	/	<=33	Pass		
	Edge_1RB_Right	23.58	/	/	25.78	/	/	<=33	Pass		
	Outer_Full	22.10	/	/	24.3	/	/	<=33	Pass		
	Inner_Full	24.47	/	/	26.67	/	/	<=33	Pass		
2592.99	Inner_1RB_Left	24.24	/	/	26.44	/	/	<=33	Pass		
	Inner_1RB_Right	24.51	/	/	26.71	/	/	<=33	Pass		
	2592.99	Edge_1RB_Left	23.18	/	/	25.38	/	/	<=33	Pass	



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		Edge_1RB_Right	23.45	/	/	25.65	/	/	<=33	Pass
		Outer_Full	22.02	/	/	24.22	/	/	<=33	Pass
		Inner_Full	24.63	/	/	26.83	/	/	<=33	Pass
		Inner_1RB_Left	23.95	/	/	26.15	/	/	<=33	Pass
		Inner_1RB_Right	24.41	/	/	26.61	/	/	<=33	Pass
	2640	Edge_1RB_Right	23.45	/	/	25.65	/	/	<=33	Pass
		Edge_1RB_Right	23.22	/	/	25.42	/	/	<=33	Pass
		Outer_Full	22.01	/	/	24.21	/	/	<=33	Pass
		Inner_Full	24.53	/	/	26.73	/	/	<=33	Pass
		Inner_1RB_Left	24.39	/	/	26.59	/	/	<=33	Pass
CP-OFDM 64 QAM	2546.01	Inner_1RB_Right	24.00	/	/	26.2	/	/	<=33	Pass
		Edge_1RB_Left	22.92	/	/	25.12	/	/	<=33	Pass
		Edge_1RB_Right	23.08	/	/	25.28	/	/	<=33	Pass
		Outer_Full	21.56	/	/	23.76	/	/	<=33	Pass
		Inner_Full	22.93	/	/	25.13	/	/	<=33	Pass
	2592.99	Inner_1RB_Left	22.86	/	/	25.06	/	/	<=33	Pass
		Inner_1RB_Right	23.15	/	/	25.35	/	/	<=33	Pass
		Edge_1RB_Left	22.87	/	/	25.07	/	/	<=33	Pass
		Edge_1RB_Right	22.97	/	/	25.17	/	/	<=33	Pass
		Outer_Full	21.62	/	/	23.82	/	/	<=33	Pass
2640	Inner_Full	23.10	/	/	25.3	/	/	<=33	Pass	
	Inner_1RB_Left	22.68	/	/	24.88	/	/	<=33	Pass	
	Inner_1RB_Right	23.14	/	/	25.34	/	/	<=33	Pass	
	Edge_1RB_Left	23.04	/	/	25.24	/	/	<=33	Pass	
	Edge_1RB_Right	22.68	/	/	24.88	/	/	<=33	Pass	
CP-OFDM 256 QAM	2546.01	Outer_Full	21.47	/	/	23.67	/	/	<=33	Pass
		Inner_Full	23.02	/	/	25.22	/	/	<=33	Pass
		Inner_1RB_Left	23.03	/	/	25.23	/	/	<=33	Pass
		Inner_1RB_Right	22.75	/	/	24.95	/	/	<=33	Pass
		Edge_1RB_Left	19.88	/	/	22.08	/	/	<=33	Pass
	2592.99	Edge_1RB_Right	20.04	/	/	22.24	/	/	<=33	Pass
		Outer_Full	20.04	/	/	22.24	/	/	<=33	Pass
		Inner_Full	19.87	/	/	22.07	/	/	<=33	Pass
		Inner_1RB_Left	19.90	/	/	22.1	/	/	<=33	Pass
		Inner_1RB_Right	20.01	/	/	22.21	/	/	<=33	Pass
2640	Edge_1RB_Left	19.70	/	/	21.9	/	/	<=33	Pass	
	Edge_1RB_Right	20.07	/	/	22.27	/	/	<=33	Pass	
	Outer_Full	20.00	/	/	22.2	/	/	<=33	Pass	
	Inner_Full	20.18	/	/	22.38	/	/	<=33	Pass	
	Inner_1RB_Left	19.55	/	/	21.75	/	/	<=33	Pass	
	2546.01	Inner_1RB_Right	20.01	/	/	22.21	/	/	<=33	Pass
		Edge_1RB_Left	19.97	/	/	22.17	/	/	<=33	Pass
	2592.99	Edge_1RB_Right	19.82	/	/	22.02	/	/	<=33	Pass
		Outer_Full	19.87	/	/	22.07	/	/	<=33	Pass
		Inner_Full	20.03	/	/	22.23	/	/	<=33	Pass
2640	Inner_1RB_Left	19.85	/	/	22.05	/	/	<=33	Pass	
	Inner_1RB_Right	19.78	/	/	21.98	/	/	<=33	Pass	

Note1: Antenna Gain: Ant0: 2.2dBi; Ant4: 2.2dBi;



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Note2: EIRP=Conducted Power+Antenna Gain

1.9 30k_MIMO_20MHz_NTNV_EIRP

1.9.1 Test Result

5G NR n41 SCS=30kHz MIMO 20MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit	
CP-OFDM QPSK	2506.02	Edge_1RB_Left	20.19	17.92	22.21	22.39	20.12	24.41	<=33	Pass
		Edge_1RB_Right	20.59	18.03	22.51	22.79	20.23	24.71	<=33	Pass
		Outer_Full	20.26	18.02	22.29	22.46	20.22	24.49	<=33	Pass
		Inner_Full	22.19	20.09	24.28	24.39	22.29	26.48	<=33	Pass
		Inner_1RB_Left	22.35	19.94	24.32	24.55	22.14	26.52	<=33	Pass
	2592.99	Inner_1RB_Right	22.27	19.86	24.24	24.47	22.06	26.44	<=33	Pass
		Edge_1RB_Left	20.15	18.59	22.45	22.35	20.79	24.65	<=33	Pass
		Edge_1RB_Right	20.30	18.55	22.52	22.5	20.75	24.72	<=33	Pass
		Outer_Full	20.21	18.51	22.45	22.41	20.71	24.65	<=33	Pass
		Inner_Full	22.11	20.53	24.40	24.31	22.73	26.6	<=33	Pass
	2679.99	Inner_1RB_Left	22.44	20.29	24.51	24.64	22.49	26.71	<=33	Pass
		Inner_1RB_Right	22.35	20.71	24.62	24.55	22.91	26.82	<=33	Pass
		Edge_1RB_Left	20.02	19.01	22.56	22.22	21.21	24.76	<=33	Pass
		Edge_1RB_Right	19.94	19.09	22.55	22.14	21.29	24.75	<=33	Pass
		Outer_Full	19.83	19.08	22.48	22.03	21.28	24.68	<=33	Pass
CP-OFDM 16 QAM	2506.02	Inner_Full	21.73	20.98	24.38	23.93	23.18	26.58	<=33	Pass
		Inner_1RB_Left	22.22	20.93	24.64	24.42	23.13	26.84	<=33	Pass
		Inner_1RB_Right	21.98	21.10	24.57	24.18	23.3	26.77	<=33	Pass
		Edge_1RB_Left	20.87	18.86	22.99	23.07	21.06	25.19	<=33	Pass
		Edge_1RB_Right	20.88	18.85	22.99	23.08	21.05	25.19	<=33	Pass
	2592.99	Outer_Full	19.28	16.68	21.18	21.48	18.88	23.38	<=33	Pass
		Inner_Full	21.81	19.56	23.84	24.01	21.76	26.04	<=33	Pass
		Inner_1RB_Left	21.84	19.81	23.95	24.04	22.01	26.15	<=33	Pass
		Inner_1RB_Right	21.94	19.86	24.03	24.14	22.06	26.23	<=33	Pass
		Edge_1RB_Left	20.82	19.23	23.11	23.02	21.43	25.31	<=33	Pass
	2679.99	Edge_1RB_Right	20.74	19.48	23.17	22.94	21.68	25.37	<=33	Pass
		Outer_Full	19.28	17.58	21.52	21.48	19.78	23.72	<=33	Pass
		Inner_Full	21.82	20.19	24.09	24.02	22.39	26.29	<=33	Pass
		Inner_1RB_Left	21.78	20.17	24.06	23.98	22.37	26.26	<=33	Pass
		Inner_1RB_Right	21.73	20.49	24.16	23.93	22.69	26.36	<=33	Pass
CP-OFDM 64	2506.02	Edge_1RB_Left	20.71	19.80	23.29	22.91	22	25.49	<=33	Pass
		Edge_1RB_Right	20.33	19.82	23.09	22.53	22.02	25.29	<=33	Pass
		Outer_Full	18.84	18.24	21.56	21.04	20.44	23.76	<=33	Pass
		Inner_Full	21.32	20.55	23.96	23.52	22.75	26.16	<=33	Pass
		Inner_1RB_Left	21.66	20.73	24.23	23.86	22.93	26.43	<=33	Pass
Inner_1RB_Right	21.44	20.87	24.17	23.64	23.07	26.37	<=33	Pass		



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QAM		Edge_1RB_Right	20.27	17.78	22.21	22.47	19.98	24.41	<=33	Pass
		Outer_Full	18.79	16.31	20.73	20.99	18.51	22.93	<=33	Pass
		Inner_Full	20.23	17.92	22.24	22.43	20.12	24.44	<=33	Pass
		Inner_1RB_Left	20.12	17.75	22.10	22.32	19.95	24.3	<=33	Pass
		Inner_1RB_Right	20.18	17.92	22.21	22.38	20.12	24.41	<=33	Pass
	2592.99	Edge_1RB_Left	20.07	18.13	22.22	22.27	20.33	24.42	<=33	Pass
		Edge_1RB_Right	20.18	18.57	22.46	22.38	20.77	24.66	<=33	Pass
		Outer_Full	18.80	17.05	21.02	21	19.25	23.22	<=33	Pass
		Inner_Full	20.16	18.55	22.44	22.36	20.75	24.64	<=33	Pass
		Inner_1RB_Left	20.23	18.19	22.34	22.43	20.39	24.54	<=33	Pass
	2679.99	Inner_1RB_Right	20.13	18.52	22.41	22.33	20.72	24.61	<=33	Pass
		Edge_1RB_Left	19.92	18.89	22.45	22.12	21.09	24.65	<=33	Pass
		Edge_1RB_Right	19.60	18.82	22.24	21.8	21.02	24.44	<=33	Pass
		Outer_Full	18.33	17.75	21.06	20.53	19.95	23.26	<=33	Pass
		Inner_Full	19.75	18.98	22.39	21.95	21.18	24.59	<=33	Pass
CP-OFDM 256 QAM	2506.02	Inner_1RB_Left	19.95	18.93	22.48	22.15	21.13	24.68	<=33	Pass
		Inner_1RB_Right	19.71	18.86	22.32	21.91	21.06	24.52	<=33	Pass
		Edge_1RB_Left	17.36	14.75	19.26	19.56	16.95	21.46	<=33	Pass
		Edge_1RB_Right	17.33	14.77	19.25	19.53	16.97	21.45	<=33	Pass
		Outer_Full	17.28	14.93	19.27	19.48	17.13	21.47	<=33	Pass
	2592.99	Inner_Full	17.28	14.84	19.24	19.48	17.04	21.44	<=33	Pass
		Inner_1RB_Left	17.29	14.75	19.21	19.49	16.95	21.41	<=33	Pass
		Inner_1RB_Right	17.20	15.07	19.27	19.4	17.27	21.47	<=33	Pass
		Edge_1RB_Left	17.29	15.32	19.42	19.49	17.52	21.62	<=33	Pass
		Edge_1RB_Right	17.34	15.60	19.57	19.54	17.8	21.77	<=33	Pass
	2679.99	Outer_Full	17.23	15.55	19.48	19.43	17.75	21.68	<=33	Pass
		Inner_Full	17.19	15.60	19.48	19.39	17.8	21.68	<=33	Pass
		Inner_1RB_Left	17.29	15.30	19.42	19.49	17.5	21.62	<=33	Pass
		Inner_1RB_Right	17.34	15.59	19.56	19.54	17.79	21.76	<=33	Pass
		Edge_1RB_Left	17.05	16.23	19.67	19.25	18.43	21.87	<=33	Pass
	Edge_1RB_Right	16.86	16.15	19.53	19.06	18.35	21.73	<=33	Pass	
	Outer_Full	16.90	16.23	19.59	19.1	18.43	21.79	<=33	Pass	
	Inner_Full	16.74	16.20	19.49	18.94	18.4	21.69	<=33	Pass	
	Inner_1RB_Left	17.04	16.22	19.66	19.24	18.42	21.86	<=33	Pass	
	Inner_1RB_Right	16.89	16.12	19.53	19.09	18.32	21.73	<=33	Pass	

Note1: Antenna Gain: Ant0:2.2dBi; Ant4:2.2dBi;

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

1.10 30k_MIMO_30MHz_NTNV_EIRP

1.10.1 Test Result

5G NR n41 SCS=30kHz MIMO 30MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit	



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CP-OFDM QPSK	2511	Edge_1RB_Left	20.09	17.83	22.12	22.29	20.03	24.32	<=33	Pass
		Edge_1RB_Right	20.62	18.13	22.56	22.82	20.33	24.76	<=33	Pass
		Outer_Full	20.48	18.27	22.52	22.68	20.47	24.72	<=33	Pass
		Inner_Full	22.34	20.24	24.43	24.54	22.44	26.63	<=33	Pass
		Inner_1RB_Left	22.30	20.15	24.37	24.5	22.35	26.57	<=33	Pass
	Inner_1RB_Right	22.54	20.41	24.61	24.74	22.61	26.81	<=33	Pass	
	2592.99	Edge_1RB_Left	20.44	18.33	22.52	22.64	20.53	24.72	<=33	Pass
		Edge_1RB_Right	20.38	18.87	22.70	22.58	21.07	24.9	<=33	Pass
		Outer_Full	20.38	18.61	22.60	22.58	20.81	24.8	<=33	Pass
		Inner_Full	22.16	20.61	24.46	24.36	22.81	26.66	<=33	Pass
		Inner_1RB_Left	22.33	20.31	24.44	24.53	22.51	26.64	<=33	Pass
	Inner_1RB_Right	22.32	20.79	24.64	24.52	22.99	26.84	<=33	Pass	
	2674.98	Edge_1RB_Left	20.28	19.18	22.77	22.48	21.38	24.97	<=33	Pass
		Edge_1RB_Right	20.09	19.12	22.64	22.29	21.32	24.84	<=33	Pass
		Outer_Full	19.94	19.11	22.55	22.14	21.31	24.75	<=33	Pass
Inner_Full		21.87	21.17	24.54	24.07	23.37	26.74	<=33	Pass	
Inner_1RB_Left		22.08	21.10	24.63	24.28	23.3	26.83	<=33	Pass	
Inner_1RB_Right	21.91	21.25	24.60	24.11	23.45	26.8	<=33	Pass		
CP-OFDM 16 QAM	2511	Edge_1RB_Left	20.94	19.03	23.10	23.14	21.23	25.3	<=33	Pass
		Edge_1RB_Right	21.27	19.28	23.40	23.47	21.48	25.6	<=33	Pass
		Outer_Full	19.41	16.88	21.33	21.61	19.08	23.53	<=33	Pass
		Inner_Full	21.86	19.86	23.98	24.06	22.06	26.18	<=33	Pass
		Inner_1RB_Left	21.87	20.05	24.06	24.07	22.25	26.26	<=33	Pass
	Inner_1RB_Right	22.22	20.19	24.33	24.42	22.39	26.53	<=33	Pass	
	2592.99	Edge_1RB_Left	20.99	19.17	23.19	23.19	21.37	25.39	<=33	Pass
		Edge_1RB_Right	20.95	19.55	23.32	23.15	21.75	25.52	<=33	Pass
		Outer_Full	19.39	17.45	21.54	21.59	19.65	23.74	<=33	Pass
		Inner_Full	21.80	20.19	24.08	24	22.39	26.28	<=33	Pass
		Inner_1RB_Left	21.89	20.00	24.06	24.09	22.2	26.26	<=33	Pass
	Inner_1RB_Right	22.04	20.70	24.43	24.24	22.9	26.63	<=33	Pass	
	2674.98	Edge_1RB_Left	20.78	19.95	23.40	22.98	22.15	25.6	<=33	Pass
		Edge_1RB_Right	20.67	20.14	23.42	22.87	22.34	25.62	<=33	Pass
		Outer_Full	18.95	18.28	21.64	21.15	20.48	23.84	<=33	Pass
Inner_Full		21.37	20.61	24.01	23.57	22.81	26.21	<=33	Pass	
Inner_1RB_Left		21.76	21.25	24.53	23.96	23.45	26.73	<=33	Pass	
Inner_1RB_Right	21.78	21.15	24.48	23.98	23.35	26.68	<=33	Pass		
CP-OFDM 64 QAM	2511	Edge_1RB_Left	20.18	18.05	22.25	22.38	20.25	24.45	<=33	Pass
		Edge_1RB_Right	20.60	18.13	22.55	22.8	20.33	24.75	<=33	Pass
		Outer_Full	18.96	16.41	20.88	21.16	18.61	23.08	<=33	Pass
		Inner_Full	20.32	18.20	22.40	22.52	20.4	24.6	<=33	Pass
		Inner_1RB_Left	20.27	17.97	22.28	22.47	20.17	24.48	<=33	Pass
	Inner_1RB_Right	20.66	18.13	22.59	22.86	20.33	24.79	<=33	Pass	
	2592.99	Edge_1RB_Left	20.25	18.18	22.35	22.45	20.38	24.55	<=33	Pass
		Edge_1RB_Right	20.40	18.84	22.70	22.6	21.04	24.9	<=33	Pass
		Outer_Full	18.90	16.92	21.03	21.1	19.12	23.23	<=33	Pass
		Inner_Full	20.31	18.62	22.56	22.51	20.82	24.76	<=33	Pass
Inner_1RB_Left		20.39	18.29	22.47	22.59	20.49	24.67	<=33	Pass	
Inner_1RB_Right	20.41	18.86	22.71	22.61	21.06	24.91	<=33	Pass		



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CP-OFDM 256 QAM	2674.98	Edge_1RB_Left	20.01	18.77	22.44	22.21	20.97	24.64	<=33	Pass
		Edge_1RB_Right	19.98	18.99	22.52	22.18	21.19	24.72	<=33	Pass
		Outer_Full	18.50	17.81	21.18	20.7	20.01	23.38	<=33	Pass
		Inner_Full	19.89	19.07	22.51	22.09	21.27	24.71	<=33	Pass
		Inner_1RB_Left	20.04	18.85	22.50	22.24	21.05	24.7	<=33	Pass
		Inner_1RB_Right	19.96	18.99	22.51	22.16	21.19	24.71	<=33	Pass
	2511	Edge_1RB_Left	17.42	14.64	19.26	19.62	16.84	21.46	<=33	Pass
		Edge_1RB_Right	17.78	15.00	19.62	19.98	17.2	21.82	<=33	Pass
		Outer_Full	17.49	15.05	19.45	19.69	17.25	21.65	<=33	Pass
		Inner_Full	17.41	14.93	19.35	19.61	17.13	21.55	<=33	Pass
		Inner_1RB_Left	17.44	14.77	19.32	19.64	16.97	21.52	<=33	Pass
		Inner_1RB_Right	17.62	14.93	19.49	19.82	17.13	21.69	<=33	Pass
	2592.99	Edge_1RB_Left	17.59	15.30	19.60	19.79	17.5	21.8	<=33	Pass
		Edge_1RB_Right	17.57	15.70	19.75	19.77	17.9	21.95	<=33	Pass
		Outer_Full	17.43	15.60	19.62	19.63	17.8	21.82	<=33	Pass
		Inner_Full	17.39	15.44	19.53	19.59	17.64	21.73	<=33	Pass
		Inner_1RB_Left	17.60	15.27	19.60	19.8	17.47	21.8	<=33	Pass
		Inner_1RB_Right	17.58	15.77	19.78	19.78	17.97	21.98	<=33	Pass
2674.98	Edge_1RB_Left	17.18	16.13	19.70	19.38	18.33	21.9	<=33	Pass	
	Edge_1RB_Right	17.16	16.33	19.77	19.36	18.53	21.97	<=33	Pass	
	Outer_Full	16.97	16.32	19.67	19.17	18.52	21.87	<=33	Pass	
	Inner_Full	16.97	16.25	19.64	19.17	18.45	21.84	<=33	Pass	
	Inner_1RB_Left	17.22	16.12	19.72	19.42	18.32	21.92	<=33	Pass	
	Inner_1RB_Right	17.14	16.47	19.83	19.34	18.67	22.03	<=33	Pass	
Note1: Antenna Gain: Ant0:2.2dBi; Ant4:2.2dBi; 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_40MHz_NTNV_EIRP

1.11.1 Test Result

5G NR n41 SCS=30kHz MIMO 40MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit	
CP-OFDM QPSK	2516.01	Edge_1RB_Left	20.36	18.16	22.41	22.56	20.36	24.61	<=33	Pass
		Edge_1RB_Right	20.53	18.28	22.56	22.73	20.48	24.76	<=33	Pass
		Outer_Full	20.54	18.31	22.58	22.74	20.51	24.78	<=33	Pass
		Inner_Full	22.46	20.20	24.49	24.66	22.4	26.69	<=33	Pass
		Inner_1RB_Left	22.69	20.25	24.65	24.89	22.45	26.85	<=33	Pass
		Inner_1RB_Right	22.52	20.30	24.56	24.72	22.5	26.76	<=33	Pass
	2592.99	Edge_1RB_Left	20.47	18.38	22.56	22.67	20.58	24.76	<=33	Pass
		Edge_1RB_Right	20.46	19.02	22.81	22.66	21.22	25.01	<=33	Pass
		Outer_Full	20.44	18.82	22.71	22.64	21.02	24.91	<=33	Pass
		Inner_Full	22.33	20.76	24.62	24.53	22.96	26.82	<=33	Pass
		Inner_1RB_Left	22.52	20.46	24.62	24.72	22.66	26.82	<=33	Pass
		Inner_1RB_Right	22.52	20.46	24.62	24.72	22.66	26.82	<=33	Pass



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	2670	Inner_1RB_Right	22.61	21.20	24.97	24.81	23.4	27.17	<=33	Pass	
		Edge_1RB_Left	20.20	19.03	22.67	22.4	21.23	24.87	<=33	Pass	
		Edge_1RB_Right	20.04	19.09	22.60	22.24	21.29	24.8	<=33	Pass	
		Outer_Full	20.09	19.02	22.60	22.29	21.22	24.8	<=33	Pass	
		Inner_Full	22.10	21.01	24.60	24.3	23.21	26.8	<=33	Pass	
		Inner_1RB_Left	22.21	21.11	24.70	24.41	23.31	26.9	<=33	Pass	
CP-OFDM 16 QAM	2516.01	Inner_1RB_Right	21.92	21.04	24.51	24.12	23.24	26.71	<=33	Pass	
		Edge_1RB_Left	21.10	19.07	23.21	23.3	21.27	25.41	<=33	Pass	
		Edge_1RB_Right	21.03	19.15	23.21	23.23	21.35	25.41	<=33	Pass	
		Outer_Full	19.49	16.72	21.33	21.69	18.92	23.53	<=33	Pass	
		Inner_Full	22.00	19.79	24.04	24.2	21.99	26.24	<=33	Pass	
		Inner_1RB_Left	22.04	20.19	24.22	24.24	22.39	26.42	<=33	Pass	
	2592.99	Inner_1RB_Right	22.16	20.22	24.31	24.36	22.42	26.51	<=33	Pass	
		Edge_1RB_Left	21.13	19.12	23.25	23.33	21.32	25.45	<=33	Pass	
		Edge_1RB_Right	21.15	20.08	23.66	23.35	22.28	25.86	<=33	Pass	
		Outer_Full	19.52	17.50	21.64	21.72	19.7	23.84	<=33	Pass	
		Inner_Full	21.89	20.34	24.19	24.09	22.54	26.39	<=33	Pass	
		Inner_1RB_Left	22.22	20.21	24.34	24.42	22.41	26.54	<=33	Pass	
	2670	Inner_1RB_Right	22.07	20.80	24.49	24.27	23	26.69	<=33	Pass	
		Edge_1RB_Left	20.85	19.84	23.39	23.05	22.04	25.59	<=33	Pass	
		Edge_1RB_Right	20.60	19.86	23.26	22.8	22.06	25.46	<=33	Pass	
		Outer_Full	19.09	18.21	21.68	21.29	20.41	23.88	<=33	Pass	
		Inner_Full	21.56	20.60	24.12	23.76	22.8	26.32	<=33	Pass	
		Inner_1RB_Left	21.82	20.91	24.40	24.02	23.11	26.6	<=33	Pass	
	CP-OFDM 64 QAM	2516.01	Inner_1RB_Right	21.53	20.99	24.28	23.73	23.19	26.48	<=33	Pass
			Edge_1RB_Left	20.37	18.03	22.37	22.57	20.23	24.57	<=33	Pass
			Edge_1RB_Right	20.42	18.13	22.44	22.62	20.33	24.64	<=33	Pass
			Outer_Full	19.02	16.30	20.88	21.22	18.5	23.08	<=33	Pass
			Inner_Full	20.47	18.23	22.50	22.67	20.43	24.7	<=33	Pass
			Inner_1RB_Left	20.35	18.06	22.36	22.55	20.26	24.56	<=33	Pass
2592.99		Inner_1RB_Right	20.42	18.09	22.42	22.62	20.29	24.62	<=33	Pass	
		Edge_1RB_Left	20.42	18.10	22.42	22.62	20.3	24.62	<=33	Pass	
		Edge_1RB_Right	20.36	18.93	22.71	22.56	21.13	24.91	<=33	Pass	
		Outer_Full	18.95	16.99	21.09	21.15	19.19	23.29	<=33	Pass	
		Inner_Full	20.47	18.74	22.70	22.67	20.94	24.9	<=33	Pass	
		Inner_1RB_Left	20.43	18.17	22.46	22.63	20.37	24.66	<=33	Pass	
2670		Inner_1RB_Right	20.40	18.89	22.72	22.6	21.09	24.92	<=33	Pass	
		Edge_1RB_Left	20.15	18.89	22.57	22.35	21.09	24.77	<=33	Pass	
		Edge_1RB_Right	19.90	18.92	22.45	22.1	21.12	24.65	<=33	Pass	
		Outer_Full	18.56	17.68	21.15	20.76	19.88	23.35	<=33	Pass	
		Inner_Full	20.10	19.07	22.62	22.3	21.27	24.82	<=33	Pass	
		Inner_1RB_Left	20.12	18.89	22.56	22.32	21.09	24.76	<=33	Pass	
CP-OFDM 256 QAM		2516.01	Inner_1RB_Right	19.98	18.81	22.44	22.18	21.01	24.64	<=33	Pass
			Edge_1RB_Left	17.52	14.72	19.35	19.72	16.92	21.55	<=33	Pass
			Edge_1RB_Right	17.62	14.91	19.48	19.82	17.11	21.68	<=33	Pass
			Outer_Full	17.42	15.01	19.39	19.62	17.21	21.59	<=33	Pass
			Inner_Full	17.41	14.91	19.35	19.61	17.11	21.55	<=33	Pass
			Inner_1RB_Left	17.57	14.78	19.41	19.77	16.98	21.61	<=33	Pass



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	2592.99	Inner_1RB_Right	17.56	14.92	19.45	19.76	17.12	21.65	<=33	Pass
		Edge_1RB_Left	17.53	14.97	19.45	19.73	17.17	21.65	<=33	Pass
		Edge_1RB_Right	17.54	15.88	19.80	19.74	18.08	22	<=33	Pass
		Outer_Full	17.48	15.44	19.59	19.68	17.64	21.79	<=33	Pass
		Inner_Full	17.42	15.47	19.56	19.62	17.67	21.76	<=33	Pass
		Inner_1RB_Left	17.56	15.07	19.50	19.76	17.27	21.7	<=33	Pass
	2670	Inner_1RB_Right	17.55	15.73	19.75	19.75	17.93	21.95	<=33	Pass
		Edge_1RB_Left	17.36	16.08	19.78	19.56	18.28	21.98	<=33	Pass
		Edge_1RB_Right	17.13	16.46	19.82	19.33	18.66	22.02	<=33	Pass
		Outer_Full	17.10	16.21	19.69	19.3	18.41	21.89	<=33	Pass
		Inner_Full	17.09	16.17	19.67	19.29	18.37	21.87	<=33	Pass
		Inner_1RB_Left	17.40	16.16	19.83	19.6	18.36	22.03	<=33	Pass
		Inner_1RB_Right	17.10	16.38	19.76	19.3	18.58	21.96	<=33	Pass

Note1: Antenna Gain: Ant0:2.2dBi; Ant4:2.2dBi;

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_50MHz_NTNV_EIRP

1.12.1 Test Result

5G NR n41 SCS=30kHz MIMO 50MHz NTNv											
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict	
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit		
CP-OFDM QPSK	2521.02	Edge_1RB_Left	20.05	18.00	22.16	22.25	20.2	24.36	<=33	Pass	
		Edge_1RB_Right	20.24	18.33	22.40	22.44	20.53	24.6	<=33	Pass	
		Outer_Full	20.33	18.29	22.44	22.53	20.49	24.64	<=33	Pass	
		Inner_Full	22.41	20.27	24.48	24.61	22.47	26.68	<=33	Pass	
		Inner_1RB_Left	22.34	19.95	24.31	24.54	22.15	26.51	<=33	Pass	
		Inner_1RB_Right	22.35	20.22	24.42	24.55	22.42	26.62	<=33	Pass	
	2592.99	Edge_1RB_Left	20.32	17.98	22.31	22.52	20.18	24.51	<=33	Pass	
		Edge_1RB_Right	20.34	18.88	22.69	22.54	21.08	24.89	<=33	Pass	
		Outer_Full	20.18	18.56	22.46	22.38	20.76	24.66	<=33	Pass	
		Inner_Full	22.14	20.49	24.41	24.34	22.69	26.61	<=33	Pass	
		Inner_1RB_Left	22.37	20.07	24.38	24.57	22.27	26.58	<=33	Pass	
		Inner_1RB_Right	22.37	20.91	24.71	24.57	23.11	26.91	<=33	Pass	
	2664.99	Edge_1RB_Left	20.09	19.06	22.62	22.29	21.26	24.82	<=33	Pass	
		Edge_1RB_Right	20.07	19.17	22.65	22.27	21.37	24.85	<=33	Pass	
		Outer_Full	20.08	19.15	22.65	22.28	21.35	24.85	<=33	Pass	
		Inner_Full	22.14	21.11	24.66	24.34	23.31	26.86	<=33	Pass	
		Inner_1RB_Left	22.41	20.99	24.77	24.61	23.19	26.97	<=33	Pass	
		Inner_1RB_Right	22.14	21.21	24.71	24.34	23.41	26.91	<=33	Pass	
	CP-OFDM 16 QAM	2521.02	Edge_1RB_Left	20.88	18.97	23.04	23.08	21.17	25.24	<=33	Pass
			Edge_1RB_Right	20.69	19.57	23.18	22.89	21.77	25.38	<=33	Pass
Outer_Full			19.39	16.90	21.33	21.59	19.1	23.53	<=33	Pass	
Inner_Full			21.93	19.83	24.01	24.13	22.03	26.21	<=33	Pass	



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		Inner_1RB_Left	21.84	19.93	24.00	24.04	22.13	26.2	<=33	Pass	
		Inner_1RB_Right	21.67	20.14	23.98	23.87	22.34	26.18	<=33	Pass	
	2592.99	Edge_1RB_Left	20.77	18.93	22.96	22.97	21.13	25.16	<=33	Pass	
		Edge_1RB_Right	20.76	19.77	23.30	22.96	21.97	25.5	<=33	Pass	
		Outer_Full	19.20	17.47	21.43	21.4	19.67	23.63	<=33	Pass	
		Inner_Full	21.69	20.01	23.94	23.89	22.21	26.14	<=33	Pass	
		Inner_1RB_Left	21.81	19.81	23.94	24.01	22.01	26.14	<=33	Pass	
		Inner_1RB_Right	21.81	20.68	24.29	24.01	22.88	26.49	<=33	Pass	
	2664.99	Edge_1RB_Left	20.72	20.11	23.44	22.92	22.31	25.64	<=33	Pass	
		Edge_1RB_Right	20.55	19.97	23.28	22.75	22.17	25.48	<=33	Pass	
		Outer_Full	19.07	18.24	21.68	21.27	20.44	23.88	<=33	Pass	
		Inner_Full	21.69	20.70	24.24	23.89	22.9	26.44	<=33	Pass	
		Inner_1RB_Left	21.74	20.91	24.36	23.94	23.11	26.56	<=33	Pass	
		Inner_1RB_Right	21.54	21.06	24.32	23.74	23.26	26.52	<=33	Pass	
CP-OFDM 64 QAM	2521.02	Edge_1RB_Left	20.10	17.97	22.17	22.3	20.17	24.37	<=33	Pass	
		Edge_1RB_Right	20.04	18.10	22.19	22.24	20.3	24.39	<=33	Pass	
		Outer_Full	18.89	16.45	20.85	21.09	18.65	23.05	<=33	Pass	
		Inner_Full	20.39	18.37	22.51	22.59	20.57	24.71	<=33	Pass	
		Inner_1RB_Left	20.22	17.92	22.23	22.42	20.12	24.43	<=33	Pass	
		Inner_1RB_Right	19.93	18.02	22.09	22.13	20.22	24.29	<=33	Pass	
	2592.99	Edge_1RB_Left	20.04	17.83	22.08	22.24	20.03	24.28	<=33	Pass	
		Edge_1RB_Right	20.03	18.79	22.47	22.23	20.99	24.67	<=33	Pass	
		Outer_Full	18.74	16.95	20.95	20.94	19.15	23.15	<=33	Pass	
		Inner_Full	20.24	18.63	22.52	22.44	20.83	24.72	<=33	Pass	
		Inner_1RB_Left	20.01	17.88	22.09	22.21	20.08	24.29	<=33	Pass	
		Inner_1RB_Right	20.00	18.75	22.43	22.2	20.95	24.63	<=33	Pass	
	2664.99	Edge_1RB_Left	19.94	18.85	22.44	22.14	21.05	24.64	<=33	Pass	
		Edge_1RB_Right	19.92	18.92	22.46	22.12	21.12	24.66	<=33	Pass	
		Outer_Full	18.57	17.71	21.17	20.77	19.91	23.37	<=33	Pass	
		Inner_Full	20.20	19.20	22.74	22.4	21.4	24.94	<=33	Pass	
		Inner_1RB_Left	19.95	18.89	22.46	22.15	21.09	24.66	<=33	Pass	
		Inner_1RB_Right	19.82	19.00	22.44	22.02	21.2	24.64	<=33	Pass	
	CP-OFDM 256 QAM	2521.02	Edge_1RB_Left	17.38	14.83	19.30	19.58	17.03	21.5	<=33	Pass
			Edge_1RB_Right	17.22	15.06	19.28	19.42	17.26	21.48	<=33	Pass
			Outer_Full	17.24	14.88	19.23	19.44	17.08	21.43	<=33	Pass
			Inner_Full	17.31	14.89	19.28	19.51	17.09	21.48	<=33	Pass
			Inner_1RB_Left	17.46	14.81	19.34	19.66	17.01	21.54	<=33	Pass
			Inner_1RB_Right	17.25	15.01	19.28	19.45	17.21	21.48	<=33	Pass
2592.99		Edge_1RB_Left	17.37	14.80	19.28	19.57	17	21.48	<=33	Pass	
		Edge_1RB_Right	17.23	15.91	19.63	19.43	18.11	21.83	<=33	Pass	
		Outer_Full	17.20	15.47	19.43	19.4	17.67	21.63	<=33	Pass	
		Inner_Full	17.19	15.49	19.43	19.39	17.69	21.63	<=33	Pass	
		Inner_1RB_Left	17.27	14.87	19.24	19.47	17.07	21.44	<=33	Pass	
		Inner_1RB_Right	17.26	15.85	19.62	19.46	18.05	21.82	<=33	Pass	
2664.99		Edge_1RB_Left	17.22	16.18	19.74	19.42	18.38	21.94	<=33	Pass	
		Edge_1RB_Right	17.18	16.22	19.74	19.38	18.42	21.94	<=33	Pass	
		Outer_Full	17.05	16.23	19.67	19.25	18.43	21.87	<=33	Pass	
		Inner_Full	17.18	16.26	19.75	19.38	18.46	21.95	<=33	Pass	



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	Inner_1RB_Left	17.22	16.06	19.69	19.42	18.26	21.89	<=33	Pass
	Inner_1RB_Right	17.18	16.24	19.75	19.38	18.44	21.95	<=33	Pass

Note1: Antenna Gain: Ant0:2.2dBi; Ant4:2.2dBi;
 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

1.13 30k_MIMO_60MHz_NTNV_EIRP

1.13.1 Test Result

5G NR n41 SCS=30kHz MIMO 60MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit	
CP-OFDM QPSK	2526	Edge_1RB_Left	19.93	17.88	22.04	22.13	20.08	24.24	<=33	Pass
		Edge_1RB_Right	20.10	18.13	22.23	22.3	20.33	24.43	<=33	Pass
		Outer_Full	20.33	18.27	22.43	22.53	20.47	24.63	<=33	Pass
		Inner_Full	22.38	20.25	24.46	24.58	22.45	26.66	<=33	Pass
		Inner_1RB_Left	22.51	20.09	24.48	24.71	22.29	26.68	<=33	Pass
		Inner_1RB_Right	22.24	20.09	24.31	24.44	22.29	26.51	<=33	Pass
	2592.99	Edge_1RB_Left	20.10	17.93	22.16	22.3	20.13	24.36	<=33	Pass
		Edge_1RB_Right	20.18	18.98	22.63	22.38	21.18	24.83	<=33	Pass
		Outer_Full	20.17	18.53	22.44	22.37	20.73	24.64	<=33	Pass
		Inner_Full	22.16	20.62	24.47	24.36	22.82	26.67	<=33	Pass
		Inner_1RB_Left	22.31	19.84	24.26	24.51	22.04	26.46	<=33	Pass
		Inner_1RB_Right	22.31	20.90	24.67	24.51	23.1	26.87	<=33	Pass
	2659.98	Edge_1RB_Left	20.08	19.01	22.59	22.28	21.21	24.79	<=33	Pass
		Edge_1RB_Right	19.91	19.20	22.58	22.11	21.4	24.78	<=33	Pass
		Outer_Full	20.04	19.06	22.59	22.24	21.26	24.79	<=33	Pass
		Inner_Full	22.12	21.08	24.64	24.32	23.28	26.84	<=33	Pass
		Inner_1RB_Left	22.34	20.97	24.72	24.54	23.17	26.92	<=33	Pass
		Inner_1RB_Right	21.99	21.01	24.54	24.19	23.21	26.74	<=33	Pass
CP-OFDM 16 QAM	2526	Edge_1RB_Left	20.90	18.97	23.06	23.1	21.17	25.26	<=33	Pass
		Edge_1RB_Right	20.61	19.18	22.96	22.81	21.38	25.16	<=33	Pass
		Outer_Full	19.38	16.78	21.28	21.58	18.98	23.48	<=33	Pass
		Inner_Full	21.94	19.74	23.99	24.14	21.94	26.19	<=33	Pass
		Inner_1RB_Left	21.96	19.85	24.04	24.16	22.05	26.24	<=33	Pass
		Inner_1RB_Right	21.62	19.85	23.84	23.82	22.05	26.04	<=33	Pass
	2592.99	Edge_1RB_Left	20.60	18.70	22.76	22.8	20.9	24.96	<=33	Pass
		Edge_1RB_Right	20.66	19.92	23.32	22.86	22.12	25.52	<=33	Pass
		Outer_Full	19.21	17.42	21.42	21.41	19.62	23.62	<=33	Pass
		Inner_Full	21.69	20.03	23.95	23.89	22.23	26.15	<=33	Pass
		Inner_1RB_Left	21.69	19.80	23.86	23.89	22	26.06	<=33	Pass
		Inner_1RB_Right	21.65	20.94	24.32	23.85	23.14	26.52	<=33	Pass
	2659.98	Edge_1RB_Left	20.62	19.78	23.23	22.82	21.98	25.43	<=33	Pass
		Edge_1RB_Right	20.45	19.86	23.18	22.65	22.06	25.38	<=33	Pass
		Outer_Full	19.05	18.02	21.58	21.25	20.22	23.78	<=33	Pass



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CP-OFDM 64 QAM	2526	Inner_Full	21.67	20.56	24.16	23.87	22.76	26.36	<=33	Pass
		Inner_1RB_Left	21.65	20.75	24.23	23.85	22.95	26.43	<=33	Pass
		Inner_1RB_Right	21.44	20.97	24.22	23.64	23.17	26.42	<=33	Pass
	2592.99	Edge_1RB_Left	20.19	17.85	22.18	22.39	20.05	24.38	<=33	Pass
			20.19	17.85	22.18	22.39	20.05	24.38	<=33	Pass
		Edge_1RB_Right	19.94	17.89	22.04	22.14	20.09	24.24	<=33	Pass
			19.94	17.89	22.04	22.14	20.09	24.24	<=33	Pass
		Outer_Full	18.78	16.28	20.72	20.98	18.48	22.92	<=33	Pass
		Inner_Full	20.37	18.21	22.43	22.57	20.41	24.63	<=33	Pass
	2659.98	Inner_1RB_Left	20.20	18.02	22.26	22.4	20.22	24.46	<=33	Pass
			20.20	18.02	22.26	22.4	20.22	24.46	<=33	Pass
		Inner_1RB_Right	19.99	17.97	22.11	22.19	20.17	24.31	<=33	Pass
			19.99	17.97	22.11	22.19	20.17	24.31	<=33	Pass
		Edge_1RB_Left	19.96	17.95	22.08	22.16	20.15	24.28	<=33	Pass
			19.96	17.95	22.08	22.16	20.15	24.28	<=33	Pass
2592.99	Edge_1RB_Right	19.85	18.77	22.35	22.05	20.97	24.55	<=33	Pass	
		19.85	18.77	22.35	22.05	20.97	24.55	<=33	Pass	
	Outer_Full	18.80	16.86	20.95	21	19.06	23.15	<=33	Pass	
	Inner_Full	20.34	18.63	22.58	22.54	20.83	24.78	<=33	Pass	
	Inner_1RB_Left	19.97	17.84	22.05	22.17	20.04	24.25	<=33	Pass	
		19.97	17.84	22.05	22.17	20.04	24.25	<=33	Pass	
2659.98	Inner_1RB_Right	20.02	18.85	22.49	22.22	21.05	24.69	<=33	Pass	
		20.02	18.85	22.49	22.22	21.05	24.69	<=33	Pass	
	Edge_1RB_Left	19.86	18.93	22.43	22.06	21.13	24.63	<=33	Pass	
		19.86	18.93	22.43	22.06	21.13	24.63	<=33	Pass	
	Edge_1RB_Right	19.68	18.88	22.31	21.88	21.08	24.51	<=33	Pass	
		19.68	18.88	22.31	21.88	21.08	24.51	<=33	Pass	
Outer_Full	18.58	17.48	21.07	20.78	19.68	23.27	<=33	Pass		
2526	Inner_Full	20.15	18.99	22.62	22.35	21.19	24.82	<=33	Pass	
		20.15	18.99	22.62	22.35	21.19	24.82	<=33	Pass	
	Inner_1RB_Left	19.90	18.67	22.34	22.1	20.87	24.54	<=33	Pass	
		19.90	18.67	22.34	22.1	20.87	24.54	<=33	Pass	
	Inner_1RB_Right	19.64	18.83	22.27	21.84	21.03	24.47	<=33	Pass	
		19.64	18.83	22.27	21.84	21.03	24.47	<=33	Pass	
CP-OFDM 256 QAM	2526	Edge_1RB_Left	17.32	14.63	19.19	19.52	16.83	21.39	<=33	Pass
			17.32	14.63	19.19	19.52	16.83	21.39	<=33	Pass
		Edge_1RB_Right	17.11	14.66	19.07	19.31	16.86	21.27	<=33	Pass
			17.11	14.66	19.07	19.31	16.86	21.27	<=33	Pass
		Outer_Full	17.38	14.81	19.29	19.58	17.01	21.49	<=33	Pass
		Inner_Full	17.38	14.76	19.28	19.58	16.96	21.48	<=33	Pass
	2592.99	Inner_1RB_Left	17.44	14.69	19.29	19.64	16.89	21.49	<=33	Pass
			17.44	14.69	19.29	19.64	16.89	21.49	<=33	Pass
		Inner_1RB_Right	17.07	14.75	19.08	19.27	16.95	21.28	<=33	Pass
			17.07	14.75	19.08	19.27	16.95	21.28	<=33	Pass
		Edge_1RB_Left	17.18	14.68	19.12	19.38	16.88	21.32	<=33	Pass
			17.18	14.68	19.12	19.38	16.88	21.32	<=33	Pass
	2659.98	Edge_1RB_Right	17.14	15.91	19.58	19.34	18.11	21.78	<=33	Pass
			17.14	15.91	19.58	19.34	18.11	21.78	<=33	Pass
		Outer_Full	17.32	15.42	19.49	19.52	17.62	21.69	<=33	Pass
Inner_Full		17.32	15.44	19.49	19.52	17.64	21.69	<=33	Pass	
Inner_1RB_Left		17.27	14.71	19.18	19.47	16.91	21.38	<=33	Pass	
		17.27	14.71	19.18	19.47	16.91	21.38	<=33	Pass	
2526	Inner_1RB_Right	17.21	15.80	19.57	19.41	18	21.77	<=33	Pass	
		17.21	15.80	19.57	19.41	18	21.77	<=33	Pass	
	Edge_1RB_Left	16.94	16.14	19.57	19.14	18.34	21.77	<=33	Pass	
		16.94	16.14	19.57	19.14	18.34	21.77	<=33	Pass	
	Edge_1RB_Right	17.07	15.88	19.53	19.27	18.08	21.73	<=33	Pass	
		17.07	15.88	19.53	19.27	18.08	21.73	<=33	Pass	
Outer_Full	17.02	16.08	19.58	19.22	18.28	21.78	<=33	Pass		
Inner_Full	17.14	16.04	19.64	19.34	18.24	21.84	<=33	Pass		
2592.99	Inner_1RB_Left	17.19	15.92	19.61	19.39	18.12	21.81	<=33	Pass	
		17.19	15.92	19.61	19.39	18.12	21.81	<=33	Pass	
	Inner_1RB_Right	17.01	16.02	19.55	19.21	18.22	21.75	<=33	Pass	

Note1: Antenna Gain: Ant0:2.2dBi; Ant4:2.2dBi;

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_80MHz_NTNV_EIRP

1.14.1 Test Result



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5G NR n41 SCS=30kHz MIMO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit	
CP-OFDM QPSK	2536.02	Edge_1RB_Left	19.87	17.60	21.89	22.07	19.8	24.09	<=33	Pass
		Edge_1RB_Right	20.51	18.08	22.47	22.71	20.28	24.67	<=33	Pass
		Outer_Full	20.32	18.37	22.47	22.52	20.57	24.67	<=33	Pass
		Inner_Full	22.24	20.39	24.42	24.44	22.59	26.62	<=33	Pass
		Inner_1RB_Left	22.40	20.18	24.44	24.6	22.38	26.64	<=33	Pass
		Inner_1RB_Right	22.44	20.22	24.48	24.64	22.42	26.68	<=33	Pass
	2592.99	Edge_1RB_Left	19.70	17.72	21.83	21.9	19.92	24.03	<=33	Pass
		Edge_1RB_Right	19.89	18.72	22.35	22.09	20.92	24.55	<=33	Pass
		Outer_Full	19.94	18.43	22.26	22.14	20.63	24.46	<=33	Pass
		Inner_Full	21.98	20.28	24.22	24.18	22.48	26.42	<=33	Pass
		Inner_1RB_Left	21.50	19.75	23.72	23.7	21.95	25.92	<=33	Pass
		Inner_1RB_Right	21.76	20.75	24.29	23.96	22.95	26.49	<=33	Pass
	2649.99	Edge_1RB_Left	19.95	18.54	22.31	22.15	20.74	24.51	<=33	Pass
		Edge_1RB_Right	19.77	18.75	22.30	21.97	20.95	24.5	<=33	Pass
		Outer_Full	20.08	19.17	22.66	22.28	21.37	24.86	<=33	Pass
		Inner_Full	22.12	21.15	24.67	24.32	23.35	26.87	<=33	Pass
		Inner_1RB_Left	22.14	20.82	24.54	24.34	23.02	26.74	<=33	Pass
		Inner_1RB_Right	21.82	20.98	24.43	24.02	23.18	26.63	<=33	Pass
CP-OFDM 16 QAM	2536.02	Edge_1RB_Left	20.85	18.98	23.02	23.05	21.18	25.22	<=33	Pass
		Edge_1RB_Right	21.11	19.06	23.22	23.31	21.26	25.42	<=33	Pass
		Outer_Full	19.36	16.60	21.20	21.56	18.8	23.4	<=33	Pass
		Inner_Full	21.72	19.87	23.90	23.92	22.07	26.1	<=33	Pass
		Inner_1RB_Left	22.01	20.10	24.17	24.21	22.3	26.37	<=33	Pass
		Inner_1RB_Right	22.02	20.04	24.15	24.22	22.24	26.35	<=33	Pass
	2592.99	Edge_1RB_Left	20.21	18.57	22.48	22.41	20.77	24.68	<=33	Pass
		Edge_1RB_Right	20.46	19.61	23.06	22.66	21.81	25.26	<=33	Pass
		Outer_Full	18.98	17.28	21.22	21.18	19.48	23.42	<=33	Pass
		Inner_Full	21.61	19.96	23.87	23.81	22.16	26.07	<=33	Pass
		Inner_1RB_Left	21.23	19.53	23.47	23.43	21.73	25.67	<=33	Pass
		Inner_1RB_Right	21.49	20.76	24.15	23.69	22.96	26.35	<=33	Pass
	2649.99	Edge_1RB_Left	20.84	19.54	23.25	23.04	21.74	25.45	<=33	Pass
		Edge_1RB_Right	20.43	19.88	23.18	22.63	22.08	25.38	<=33	Pass
		Outer_Full	18.98	17.82	21.45	21.18	20.02	23.65	<=33	Pass
		Inner_Full	21.66	20.58	24.16	23.86	22.78	26.36	<=33	Pass
		Inner_1RB_Left	21.76	20.58	24.22	23.96	22.78	26.42	<=33	Pass
		Inner_1RB_Right	21.35	20.90	24.14	23.55	23.1	26.34	<=33	Pass
CP-OFDM 64 QAM	2536.02	Edge_1RB_Left	20.17	18.04	22.25	22.37	20.24	24.45	<=33	Pass
		Edge_1RB_Right	20.43	18.00	22.39	22.63	20.2	24.59	<=33	Pass
		Outer_Full	18.92	16.13	20.76	21.12	18.33	22.96	<=33	Pass
		Inner_Full	20.46	18.36	22.55	22.66	20.56	24.75	<=33	Pass
		Inner_1RB_Left	20.24	17.94	22.25	22.44	20.14	24.45	<=33	Pass
		Inner_1RB_Right	20.41	18.06	22.40	22.61	20.26	24.6	<=33	Pass
	2592.99	Edge_1RB_Left	19.46	17.57	21.63	21.66	19.77	23.83	<=33	Pass
		Edge_1RB_Right	19.73	18.73	22.27	21.93	20.93	24.47	<=33	Pass
		Outer_Full	18.62	16.77	20.80	20.82	18.97	23	<=33	Pass



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CP-OFDM 256 QAM	2649.99	Inner_Full	20.18	18.42	22.40	22.38	20.62	24.6	<=33	Pass
		Inner_1RB_Left	19.68	17.74	21.83	21.88	19.94	24.03	<=33	Pass
		Inner_1RB_Right	19.78	18.72	22.29	21.98	20.92	24.49	<=33	Pass
		Edge_1RB_Left	19.92	18.39	22.23	22.12	20.59	24.43	<=33	Pass
		Edge_1RB_Right	19.71	18.90	22.34	21.91	21.1	24.54	<=33	Pass
		Outer_Full	18.58	17.32	21.01	20.78	19.52	23.21	<=33	Pass
		Inner_Full	20.15	19.11	22.67	22.35	21.31	24.87	<=33	Pass
		Inner_1RB_Left	19.97	18.39	22.26	22.17	20.59	24.46	<=33	Pass
		Inner_1RB_Right	19.63	18.77	22.23	21.83	20.97	24.43	<=33	Pass
	2536.02	Edge_1RB_Left	17.28	14.49	19.11	19.48	16.69	21.31	<=33	Pass
		Edge_1RB_Right	17.64	14.54	19.37	19.84	16.74	21.57	<=33	Pass
		Outer_Full	17.31	14.57	19.16	19.51	16.77	21.36	<=33	Pass
		Inner_Full	17.15	14.64	19.08	19.35	16.84	21.28	<=33	Pass
		Inner_1RB_Left	17.44	14.50	19.22	19.64	16.7	21.42	<=33	Pass
		Inner_1RB_Right	17.63	14.58	19.38	19.83	16.78	21.58	<=33	Pass
	2592.99	Edge_1RB_Left	16.73	14.52	18.78	18.93	16.72	20.98	<=33	Pass
		Edge_1RB_Right	17.01	15.89	19.49	19.21	18.09	21.69	<=33	Pass
		Outer_Full	17.09	15.38	19.33	19.29	17.58	21.53	<=33	Pass
Inner_Full		17.17	15.31	19.35	19.37	17.51	21.55	<=33	Pass	
Inner_1RB_Left		16.78	14.56	18.82	18.98	16.76	21.02	<=33	Pass	
Inner_1RB_Right		16.97	15.86	19.46	19.17	18.06	21.66	<=33	Pass	
2649.99	Edge_1RB_Left	17.27	15.37	19.44	19.47	17.57	21.64	<=33	Pass	
	Edge_1RB_Right	16.93	15.71	19.37	19.13	17.91	21.57	<=33	Pass	
	Outer_Full	17.10	15.89	19.55	19.3	18.09	21.75	<=33	Pass	
	Inner_Full	17.16	15.82	19.55	19.36	18.02	21.75	<=33	Pass	
	Inner_1RB_Left	17.28	15.41	19.45	19.48	17.61	21.65	<=33	Pass	
	Inner_1RB_Right	17.02	15.85	19.49	19.22	18.05	21.69	<=33	Pass	

Note1: Antenna Gain: Ant0:2.2dBi; Ant4:2.2dBi;

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_90MHz_NTNV_EIRP

1.15.1 Test Result

5G NR n41 SCS=30kHz MIMO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit	
CP-OFDM QPSK	2541	Edge_1RB_Left	20.05	17.68	22.04	22.25	19.88	24.24	<=33	Pass
		Edge_1RB_Right	20.64	18.44	22.69	22.84	20.64	24.89	<=33	Pass
		Outer_Full	20.39	18.47	22.55	22.59	20.67	24.75	<=33	Pass
		Inner_Full	22.34	20.47	24.52	24.54	22.67	26.72	<=33	Pass
		Inner_1RB_Left	22.60	20.22	24.58	24.8	22.42	26.78	<=33	Pass
		Inner_1RB_Right	22.82	20.38	24.78	25.02	22.58	26.98	<=33	Pass
	2592.99	Edge_1RB_Left	19.64	17.75	21.81	21.84	19.95	24.01	<=33	Pass
		Edge_1RB_Right	20.03	18.95	22.54	22.23	21.15	24.74	<=33	Pass



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		Outer_Full	20.04	18.34	22.28	22.24	20.54	24.48	<=33	Pass		
		Inner_Full	22.09	20.39	24.33	24.29	22.59	26.53	<=33	Pass		
		Inner_1RB_Left	21.67	19.89	23.88	23.87	22.09	26.08	<=33	Pass		
		Inner_1RB_Right	22.04	20.98	24.55	24.24	23.18	26.75	<=33	Pass		
	2644.98	Edge_1RB_Left	20.01	18.24	22.22	22.21	20.44	24.42	<=33	Pass		
		Edge_1RB_Right	19.65	18.84	22.28	21.85	21.04	24.48	<=33	Pass		
		Outer_Full	20.22	19.14	22.72	22.42	21.34	24.92	<=33	Pass		
		Inner_Full	22.28	21.16	24.77	24.48	23.36	26.97	<=33	Pass		
		Inner_1RB_Left	22.09	20.71	24.46	24.29	22.91	26.66	<=33	Pass		
		Inner_1RB_Right	21.99	21.07	24.56	24.19	23.27	26.76	<=33	Pass		
		CP-OFDM 16 QAM	2541	Edge_1RB_Left	21.05	18.78	23.07	23.25	20.98	25.27	<=33	Pass
				Edge_1RB_Right	21.15	18.98	23.21	23.35	21.18	25.41	<=33	Pass
Outer_Full	19.51			16.61	21.31	21.71	18.81	23.51	<=33	Pass		
Inner_Full	21.93			19.96	24.07	24.13	22.16	26.27	<=33	Pass		
2592.99	Inner_1RB_Left		21.87	19.63	23.90	24.07	21.83	26.1	<=33	Pass		
	Inner_1RB_Right		22.12	20.15	24.26	24.32	22.35	26.46	<=33	Pass		
	Edge_1RB_Left		20.23	18.70	22.54	22.43	20.9	24.74	<=33	Pass		
	Edge_1RB_Right		20.55	19.72	23.17	22.75	21.92	25.37	<=33	Pass		
	Outer_Full		19.09	17.29	21.29	21.29	19.49	23.49	<=33	Pass		
	Inner_Full		21.68	20.00	23.93	23.88	22.2	26.13	<=33	Pass		
	Inner_1RB_Left		21.31	19.65	23.57	23.51	21.85	25.77	<=33	Pass		
	Inner_1RB_Right		21.57	20.76	24.19	23.77	22.96	26.39	<=33	Pass		
2644.98	Edge_1RB_Left	20.96	19.49	23.30	23.16	21.69	25.5	<=33	Pass			
	Edge_1RB_Right	20.66	20.17	23.43	22.86	22.37	25.63	<=33	Pass			
	Outer_Full	19.19	17.83	21.57	21.39	20.03	23.77	<=33	Pass			
	Inner_Full	21.72	20.79	24.29	23.92	22.99	26.49	<=33	Pass			
	Inner_1RB_Left	21.74	20.55	24.19	23.94	22.75	26.39	<=33	Pass			
	Inner_1RB_Right	21.52	20.98	24.27	23.72	23.18	26.47	<=33	Pass			
	CP-OFDM 64 QAM	2541	Edge_1RB_Left	20.14	17.97	22.20	22.34	20.17	24.4	<=33	Pass	
			Edge_1RB_Right	20.48	18.43	22.58	22.68	20.63	24.78	<=33	Pass	
Outer_Full			19.03	16.10	20.82	21.23	18.3	23.02	<=33	Pass		
Inner_Full			20.43	18.42	22.55	22.63	20.62	24.75	<=33	Pass		
Inner_1RB_Left			20.20	18.11	22.29	22.4	20.31	24.49	<=33	Pass		
Inner_1RB_Right			20.39	18.23	22.45	22.59	20.43	24.65	<=33	Pass		
2592.99		Edge_1RB_Left	19.53	17.77	21.75	21.73	19.97	23.95	<=33	Pass		
		Edge_1RB_Right	19.85	18.78	22.36	22.05	20.98	24.56	<=33	Pass		
		Outer_Full	18.64	16.77	20.81	20.84	18.97	23.01	<=33	Pass		
		Inner_Full	20.28	18.55	22.51	22.48	20.75	24.71	<=33	Pass		
		Inner_1RB_Left	19.64	17.62	21.76	21.84	19.82	23.96	<=33	Pass		
		Inner_1RB_Right	19.96	18.86	22.45	22.16	21.06	24.65	<=33	Pass		
2644.98	Edge_1RB_Left	20.19	18.62	22.48	22.39	20.82	24.68	<=33	Pass			
	Edge_1RB_Right	19.95	19.08	22.54	22.15	21.28	24.74	<=33	Pass			
	Outer_Full	18.77	17.29	21.10	20.97	19.49	23.3	<=33	Pass			
	Inner_Full	20.29	19.24	22.81	22.49	21.44	25.01	<=33	Pass			
	Inner_1RB_Left	20.20	18.53	22.46	22.4	20.73	24.66	<=33	Pass			
	Inner_1RB_Right	19.91	19.02	22.50	22.11	21.22	24.7	<=33	Pass			
CP-OFDM 256 QAM	2541	Edge_1RB_Left	17.13	14.51	19.03	19.33	16.71	21.23	<=33	Pass		
Edge_1RB_Right		17.41	14.59	19.24	19.61	16.79	21.44	<=33	Pass			



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2592.99	Outer_Full	17.25	14.78	19.20	19.45	16.98	21.4	<=33	Pass	
	Inner_Full	17.09	14.83	19.12	19.29	17.03	21.32	<=33	Pass	
	Inner_1RB_Left	17.35	14.59	19.19	19.55	16.79	21.39	<=33	Pass	
	Inner_1RB_Right	17.40	14.65	19.25	19.6	16.85	21.45	<=33	Pass	
	Edge_1RB_Left	16.92	14.55	18.91	19.12	16.75	21.11	<=33	Pass	
	Edge_1RB_Right	17.03	15.81	19.47	19.23	18.01	21.67	<=33	Pass	
	Outer_Full	17.20	15.35	19.38	19.4	17.55	21.58	<=33	Pass	
	Inner_Full	17.26	15.34	19.42	19.46	17.54	21.62	<=33	Pass	
	Inner_1RB_Left	16.84	14.54	18.85	19.04	16.74	21.05	<=33	Pass	
	Inner_1RB_Right	17.21	15.90	19.62	19.41	18.1	21.82	<=33	Pass	
	2644.98	Edge_1RB_Left	17.27	15.24	19.39	19.47	17.44	21.59	<=33	Pass
		Edge_1RB_Right	17.17	15.98	19.62	19.37	18.18	21.82	<=33	Pass
Outer_Full		17.17	15.96	19.62	19.37	18.16	21.82	<=33	Pass	
Inner_Full		17.19	15.97	19.63	19.39	18.17	21.83	<=33	Pass	
Inner_1RB_Left		17.39	15.09	19.40	19.59	17.29	21.6	<=33	Pass	
Inner_1RB_Right		17.11	15.96	19.58	19.31	18.16	21.78	<=33	Pass	

Note1: Antenna Gain: Ant0:2.2dBi; Ant4:2.2dBi;

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_100MHz_NTNV_EIRP

1.16.1 Test Result

5G NR n41 SCS=30kHz MIMO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant0	Ant4	Sum	Ant0	Ant4	Sum	Limit	
CP-OFDM QPSK	2546.01	Edge_1RB_Left	20.26	17.93	22.26	22.46	20.13	24.46	<=33	Pass
		Edge_1RB_Right	20.68	18.50	22.74	22.88	20.7	24.94	<=33	Pass
		Outer_Full	20.52	18.32	22.57	22.72	20.52	24.77	<=33	Pass
		Inner_Full	22.40	20.35	24.51	24.6	22.55	26.71	<=33	Pass
		Inner_1RB_Left	22.57	20.24	24.57	24.77	22.44	26.77	<=33	Pass
		Inner_1RB_Right	22.76	20.45	24.77	24.96	22.65	26.97	<=33	Pass
	2592.99	Edge_1RB_Left	19.83	17.95	22.00	22.03	20.15	24.2	<=33	Pass
		Edge_1RB_Right	20.17	19.14	22.69	22.37	21.34	24.89	<=33	Pass
		Outer_Full	20.08	18.62	22.42	22.28	20.82	24.62	<=33	Pass
		Inner_Full	22.15	20.62	24.46	24.35	22.82	26.66	<=33	Pass
		Inner_1RB_Left	21.73	19.99	23.96	23.93	22.19	26.16	<=33	Pass
		Inner_1RB_Right	22.19	20.94	24.62	24.39	23.14	26.82	<=33	Pass
	2640	Edge_1RB_Left	20.04	18.27	22.26	22.24	20.47	24.46	<=33	Pass
		Edge_1RB_Right	19.78	19.03	22.43	21.98	21.23	24.63	<=33	Pass
		Outer_Full	20.36	19.18	22.82	22.56	21.38	25.02	<=33	Pass
		Inner_Full	22.23	21.21	24.76	24.43	23.41	26.96	<=33	Pass
		Inner_1RB_Left	22.47	20.64	24.66	24.67	22.84	26.86	<=33	Pass
		Inner_1RB_Right	22.24	21.29	24.80	24.44	23.49	27	<=33	Pass
CP-OFDM 16	2546.01	Edge_1RB_Left	21.00	19.14	23.18	23.2	21.34	25.38	<=33	Pass



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QAM		Edge_1RB_Right	21.19	19.45	23.42	23.39	21.65	25.62	<=33	Pass
		Outer_Full	19.65	16.63	21.41	21.85	18.83	23.61	<=33	Pass
		Inner_Full	21.90	19.87	24.01	24.1	22.07	26.21	<=33	Pass
		Inner_1RB_Left	22.01	20.06	24.16	24.21	22.26	26.36	<=33	Pass
		Inner_1RB_Right	22.22	20.48	24.45	24.42	22.68	26.65	<=33	Pass
	2592.99	Edge_1RB_Left	20.26	19.01	22.69	22.46	21.21	24.89	<=33	Pass
		Edge_1RB_Right	20.70	19.95	23.36	22.9	22.15	25.56	<=33	Pass
		Outer_Full	19.22	17.28	21.36	21.42	19.48	23.56	<=33	Pass
		Inner_Full	21.81	20.20	24.09	24.01	22.4	26.29	<=33	Pass
		Inner_1RB_Left	21.37	19.78	23.66	23.57	21.98	25.86	<=33	Pass
	2640	Inner_1RB_Right	21.78	21.02	24.43	23.98	23.22	26.63	<=33	Pass
		Edge_1RB_Left	21.02	19.40	23.30	23.22	21.6	25.5	<=33	Pass
		Edge_1RB_Right	20.84	19.99	23.44	23.04	22.19	25.64	<=33	Pass
		Outer_Full	19.29	17.77	21.61	21.49	19.97	23.81	<=33	Pass
		Inner_Full	21.80	20.73	24.31	24	22.93	26.51	<=33	Pass
CP-OFDM 64 QAM	2546.01	Inner_1RB_Left	21.98	20.47	24.30	24.18	22.67	26.5	<=33	Pass
		Inner_1RB_Right	21.76	21.00	24.40	23.96	23.2	26.6	<=33	Pass
		Edge_1RB_Left	20.27	18.00	22.29	22.47	20.2	24.49	<=33	Pass
		Edge_1RB_Right	20.51	18.28	22.55	22.71	20.48	24.75	<=33	Pass
		Outer_Full	18.96	16.10	20.77	21.16	18.3	22.97	<=33	Pass
	2592.99	Inner_Full	20.46	18.33	22.53	22.66	20.53	24.73	<=33	Pass
		Inner_1RB_Left	20.32	18.23	22.41	22.52	20.43	24.61	<=33	Pass
		Inner_1RB_Right	20.51	18.19	22.51	22.71	20.39	24.71	<=33	Pass
		Edge_1RB_Left	19.77	17.78	21.90	21.97	19.98	24.1	<=33	Pass
		Edge_1RB_Right	20.04	18.91	22.52	22.24	21.11	24.72	<=33	Pass
	2640	Outer_Full	18.71	16.74	20.85	20.91	18.94	23.05	<=33	Pass
		Inner_Full	20.37	18.67	22.61	22.57	20.87	24.81	<=33	Pass
		Inner_1RB_Left	19.72	17.91	21.92	21.92	20.11	24.12	<=33	Pass
		Inner_1RB_Right	20.03	18.93	22.52	22.23	21.13	24.72	<=33	Pass
		Edge_1RB_Left	20.24	18.46	22.45	22.44	20.66	24.65	<=33	Pass
CP-OFDM 256 QAM	2546.01	Edge_1RB_Right	20.05	19.16	22.64	22.25	21.36	24.84	<=33	Pass
		Outer_Full	18.74	17.25	21.07	20.94	19.45	23.27	<=33	Pass
		Inner_Full	20.37	19.23	22.85	22.57	21.43	25.05	<=33	Pass
		Inner_1RB_Left	20.34	18.47	22.52	22.54	20.67	24.72	<=33	Pass
		Inner_1RB_Right	19.96	18.96	22.50	22.16	21.16	24.7	<=33	Pass
	2592.99	Edge_1RB_Left	17.49	14.40	19.23	19.69	16.6	21.43	<=33	Pass
		Edge_1RB_Right	17.60	14.71	19.40	19.8	16.91	21.6	<=33	Pass
		Outer_Full	17.43	14.83	19.34	19.63	17.03	21.54	<=33	Pass
		Inner_Full	17.32	14.64	19.19	19.52	16.84	21.39	<=33	Pass
		Inner_1RB_Left	17.58	14.45	19.30	19.78	16.65	21.5	<=33	Pass
	2640	Inner_1RB_Right	17.91	14.56	19.56	20.11	16.76	21.76	<=33	Pass
		Edge_1RB_Left	16.91	14.55	18.90	19.11	16.75	21.1	<=33	Pass
		Edge_1RB_Right	17.28	15.73	19.59	19.48	17.93	21.79	<=33	Pass
		Outer_Full	17.24	15.31	19.39	19.44	17.51	21.59	<=33	Pass
		Inner_Full	17.34	15.27	19.44	19.54	17.47	21.64	<=33	Pass
2640	Inner_1RB_Left	16.91	14.63	18.93	19.11	16.83	21.13	<=33	Pass	
	Inner_1RB_Right	17.25	15.71	19.56	19.45	17.91	21.76	<=33	Pass	
	Edge_1RB_Left	17.51	15.25	19.54	19.71	17.45	21.74	<=33	Pass	



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	Edge_1RB_Right	17.08	15.96	19.57	19.28	18.16	21.77	<=33	Pass
	Outer_Full	17.18	15.81	19.56	19.38	18.01	21.76	<=33	Pass
	Inner_Full	17.25	15.90	19.64	19.45	18.1	21.84	<=33	Pass
	Inner_1RB_Left	17.47	15.17	19.48	19.67	17.37	21.68	<=33	Pass
	Inner_1RB_Right	17.08	15.93	19.55	19.28	18.13	21.75	<=33	Pass

Note1: Antenna Gain: Ant0:2.2dBi; Ant4:2.2dBi;

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 n41 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	2592.99	Outer_Full	20	LV	-17.30	-0.0067	/	Pass
				HV	-10.10	-0.0039	/	Pass
			-30	NV	-15.60	-0.0060	/	Pass
				NV	-2.70	-0.0010	/	Pass
			-10	NV	-7.00	-0.0027	/	Pass
				0	NV	-11.80	-0.0046	/
			10	NV	-23.50	-0.0091	/	Pass
			20	NV	-12.60	-0.0049	/	Pass
			30	NV	-16.50	-0.0064	/	Pass
			40	NV	-7.50	-0.0029	/	Pass
50	NV	-14.30	-0.0055	/	Pass			
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-11.60	-0.0045	/	Pass
				HV	-8.90	-0.0034	/	Pass
			-30	NV	-1.80	-0.0007	/	Pass
				NV	-9.30	-0.0036	/	Pass
			-10	NV	-11.70	-0.0045	/	Pass
				0	NV	-14.10	-0.0054	/
			10	NV	-9.40	-0.0036	/	Pass
			20	NV	-9.60	-0.0037	/	Pass
			30	NV	4.40	0.0017	/	Pass
			40	NV	-18.00	-0.0069	/	Pass
50	NV	-3.70	-0.0014	/	Pass			
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-15.60	-0.0060	/	Pass
				HV	-14.50	-0.0056	/	Pass
			-30	NV	-9.30	-0.0036	/	Pass
				NV	-10.30	-0.0040	/	Pass
			-10	NV	-5.60	-0.0022	/	Pass
				0	NV	-12.00	-0.0046	/
			10	NV	-13.80	-0.0053	/	Pass
			20	NV	-13.90	-0.0054	/	Pass
			30	NV	-15.90	-0.0061	/	Pass
			40	NV	-5.90	-0.0023	/	Pass
50	NV	-5.00	-0.0019	/	Pass			
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-11.40	-0.0044	/	Pass
				HV	-15.50	-0.0060	/	Pass
			-30	NV	-4.80	-0.0019	/	Pass
				NV	-9.40	-0.0036	/	Pass



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			-10	NV	-15.00	-0.0058	/	Pass			
			0	NV	-8.20	-0.0032	/	Pass			
			10	NV	-9.40	-0.0036	/	Pass			
			20	NV	-9.20	-0.0035	/	Pass			
			30	NV	-10.30	-0.0040	/	Pass			
			40	NV	-18.70	-0.0072	/	Pass			
			50	NV	-7.20	-0.0028	/	Pass			
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-15.90	-0.0061	/	Pass			
				HV	-15.40	-0.0059	/	Pass			
						-30	NV	-16.80	-0.0065	/	Pass
						-20	NV	-11.90	-0.0046	/	Pass
						-10	NV	-12.00	-0.0046	/	Pass
						0	NV	-6.70	-0.0026	/	Pass
						10	NV	-8.70	-0.0034	/	Pass
						20	NV	-11.90	-0.0046	/	Pass
						30	NV	-14.50	-0.0056	/	Pass
						40	NV	-5.90	-0.0023	/	Pass
			50	NV	-8.00	-0.0031	/	Pass			
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-12.40	-0.0048	/	Pass			
				HV	-15.60	-0.0060	/	Pass			
						-30	NV	-10.90	-0.0042	/	Pass
						-20	NV	-8.40	-0.0032	/	Pass
						-10	NV	-6.60	-0.0025	/	Pass
						0	NV	-12.50	-0.0048	/	Pass
						10	NV	-9.70	-0.0037	/	Pass
						20	NV	-5.30	-0.0020	/	Pass
						30	NV	-5.10	-0.0020	/	Pass
						40	NV	-6.10	-0.0024	/	Pass
			50	NV	-14.90	-0.0057	/	Pass			
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-8.20	-0.0032	/	Pass			
				HV	-11.20	-0.0043	/	Pass			
						-30	NV	-15.00	-0.0058	/	Pass
						-20	NV	-9.90	-0.0038	/	Pass
						-10	NV	5.20	0.0020	/	Pass
						0	NV	-9.50	-0.0037	/	Pass
						10	NV	-11.20	-0.0043	/	Pass
						20	NV	-15.30	-0.0059	/	Pass
						30	NV	-8.10	-0.0031	/	Pass
						40	NV	-15.50	-0.0060	/	Pass
			50	NV	-7.70	-0.0030	/	Pass			
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-9.80	-0.0038	/	Pass			
				HV	3.20	0.0012	/	Pass			
						-30	NV	-17.80	-0.0069	/	Pass
						-20	NV	3.70	0.0014	/	Pass
						-10	NV	-13.80	-0.0053	/	Pass
						0	NV	-5.60	-0.0022	/	Pass
						10	NV	-10.80	-0.0042	/	Pass
			20	NV	-11.70	-0.0045	/	Pass			



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Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)	Verdict	
			Result	Limit				
CP-OFDM 256 QAM	2592.99	Outer_Full	30	NV	-13.80	-0.0053	/	Pass
			40	NV	-5.80	-0.0022	/	Pass
			50	NV	-12.70	-0.0049	/	Pass
			20	LV	-12.40	-0.0048	/	Pass
				HV	-7.80	-0.0030	/	Pass
			-30	NV	-7.10	-0.0027	/	Pass
			-20	NV	-6.30	-0.0024	/	Pass
			-10	NV	-16.00	-0.0062	/	Pass
			0	NV	-12.50	-0.0048	/	Pass
			10	NV	-7.00	-0.0027	/	Pass
			20	NV	-6.30	-0.0024	/	Pass
			30	NV	-7.20	-0.0028	/	Pass
			40	NV	-10.20	-0.0039	/	Pass
			50	NV	-5.90	-0.0023	/	Pass

2.2 30k_SISO_30MHz

2.2.1 Test Result

5G NR n41 SCS=30kHz SISO 30MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2592.99	Outer_Full	20	LV	-11.00	-0.0042	/	Pass
				HV	-7.20	-0.0028	/	Pass
			-30	NV	-11.40	-0.0044	/	Pass
			-20	NV	-10.90	-0.0042	/	Pass
			-10	NV	-19.20	-0.0074	/	Pass
			0	NV	-9.80	-0.0038	/	Pass
			10	NV	-11.30	-0.0044	/	Pass
			20	NV	-10.50	-0.0040	/	Pass
			30	NV	-15.20	-0.0059	/	Pass
			40	NV	-8.50	-0.0033	/	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-19.30	-0.0074	/	Pass
				HV	-4.80	-0.0019	/	Pass
			-30	NV	-7.90	-0.0030	/	Pass
			-20	NV	-5.30	-0.0020	/	Pass
			-10	NV	-8.70	-0.0034	/	Pass
			0	NV	-0.30	-0.0001	/	Pass
			10	NV	-14.10	-0.0054	/	Pass
			20	NV	-10.50	-0.0040	/	Pass
			30	NV	-6.10	-0.0024	/	Pass
			40	NV	-14.80	-0.0057	/	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-6.50	-0.0025	/	Pass
				HV	-9.50	-0.0037	/	Pass



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			-30	NV	-6.60	-0.0025	/	Pass
			-20	NV	-11.00	-0.0042	/	Pass
			-10	NV	-9.00	-0.0035	/	Pass
			0	NV	-6.50	-0.0025	/	Pass
			10	NV	-4.90	-0.0019	/	Pass
			20	NV	-6.10	-0.0024	/	Pass
			30	NV	-13.70	-0.0053	/	Pass
			40	NV	-7.10	-0.0027	/	Pass
			50	NV	-13.90	-0.0054	/	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-9.40	-0.0036	/	Pass
				HV	-12.10	-0.0047	/	Pass
			-30	NV	-6.80	-0.0026	/	Pass
			-20	NV	-12.30	-0.0047	/	Pass
			-10	NV	-9.90	-0.0038	/	Pass
			0	NV	3.40	0.0013	/	Pass
			10	NV	-9.30	-0.0036	/	Pass
			20	NV	-7.50	-0.0029	/	Pass
			30	NV	-13.80	-0.0053	/	Pass
			40	NV	-17.10	-0.0066	/	Pass
50	NV	-6.50	-0.0025	/	Pass			
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-9.60	-0.0037	/	Pass
				HV	-5.60	-0.0022	/	Pass
			-30	NV	-12.10	-0.0047	/	Pass
			-20	NV	-2.30	-0.0009	/	Pass
			-10	NV	-18.00	-0.0069	/	Pass
			0	NV	-8.50	-0.0033	/	Pass
			10	NV	-11.60	-0.0045	/	Pass
			20	NV	-9.50	-0.0037	/	Pass
			30	NV	-9.20	-0.0035	/	Pass
			40	NV	-12.50	-0.0048	/	Pass
50	NV	-14.60	-0.0056	/	Pass			
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-10.10	-0.0039	/	Pass
				HV	-14.00	-0.0054	/	Pass
			-30	NV	-7.20	-0.0028	/	Pass
			-20	NV	-16.10	-0.0062	/	Pass
			-10	NV	-9.10	-0.0035	/	Pass
			0	NV	-9.60	-0.0037	/	Pass
			10	NV	4.20	0.0016	/	Pass
			20	NV	-11.30	-0.0044	/	Pass
			30	NV	-6.90	-0.0027	/	Pass
			40	NV	-2.40	-0.0009	/	Pass
50	NV	-23.70	-0.0091	/	Pass			
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-7.30	-0.0028	/	Pass
				HV	-9.70	-0.0037	/	Pass
			-30	NV	-3.50	-0.0013	/	Pass
			-20	NV	-12.40	-0.0048	/	Pass
			-10	NV	-10.50	-0.0040	/	Pass
			0	NV	-7.90	-0.0030	/	Pass



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 Shenzhen Branch Inspection & Testing Services Wireless Laboratory

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			10	NV	0.70	0.0003	/	Pass
			20	NV	-4.20	-0.0016	/	Pass
			30	NV	-10.20	-0.0039	/	Pass
			40	NV	-3.20	-0.0012	/	Pass
			50	NV	-11.50	-0.0044	/	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-4.80	-0.0019	/	Pass
				HV	-2.10	-0.0008	/	Pass
			-30	NV	-7.60	-0.0029	/	Pass
			-20	NV	-2.70	-0.0010	/	Pass
			-10	NV	-11.00	-0.0042	/	Pass
			0	NV	-11.20	-0.0043	/	Pass
			10	NV	3.30	0.0013	/	Pass
			20	NV	-8.10	-0.0031	/	Pass
			30	NV	-9.10	-0.0035	/	Pass
			40	NV	-1.60	-0.0006	/	Pass
			50	NV	-9.90	-0.0038	/	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-11.90	-0.0046	/	Pass
				HV	-10.70	-0.0041	/	Pass
			-30	NV	-16.70	-0.0064	/	Pass
			-20	NV	-10.70	-0.0041	/	Pass
			-10	NV	-7.90	-0.0030	/	Pass
			0	NV	-8.00	-0.0031	/	Pass
			10	NV	-7.10	-0.0027	/	Pass
			20	NV	-14.60	-0.0056	/	Pass
			30	NV	-7.00	-0.0027	/	Pass
			40	NV	-13.40	-0.0052	/	Pass
			50	NV	-14.10	-0.0054	/	Pass

2.3 30k_SISO_40MHz

2.3.1 Test Result

5G NR n41 SCS=30kHz SISO 40MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2592.99	Outer_Full	20	LV	-15.80	-0.0061	/	Pass
				HV	-13.30	-0.0051	/	Pass
			-30	NV	-7.50	-0.0029	/	Pass
			-20	NV	-10.80	-0.0042	/	Pass
			-10	NV	-21.50	-0.0083	/	Pass
			0	NV	-19.50	-0.0075	/	Pass
			10	NV	-10.30	-0.0040	/	Pass
			20	NV	-20.30	-0.0078	/	Pass
			30	NV	-14.60	-0.0056	/	Pass
			40	NV	-1.10	-0.0004	/	Pass
			50	NV	-18.30	-0.0071	/	Pass



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DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-13.20	-0.0051	/	Pass
				HV	-14.20	-0.0055	/	Pass
			-30	NV	-15.80	-0.0061	/	Pass
				NV	-10.50	-0.0040	/	Pass
			-10	NV	-5.00	-0.0019	/	Pass
				0	NV	-8.20	-0.0032	/
			10	NV	-6.40	-0.0025	/	Pass
				20	NV	-8.40	-0.0032	/
			30	NV	-11.70	-0.0045	/	Pass
40	NV	-9.80		-0.0038	/	Pass		
50	NV	-5.40	-0.0021	/	Pass			
	20	LV	-8.30	-0.0032	/	Pass		
-30		NV	-16.30	-0.0063	/	Pass		
	-20	NV	-16.80	-0.0065	/	Pass		
-10		NV	-13.30	-0.0051	/	Pass		
	0	NV	-10.90	-0.0042	/	Pass		
10		NV	-3.20	-0.0012	/	Pass		
	20	NV	-12.40	-0.0048	/	Pass		
30		NV	-4.50	-0.0017	/	Pass		
	40	NV	3.10	0.0012	/	Pass		
50		NV	-15.10	-0.0058	/	Pass		
	DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-7.50	-0.0029	/
HV					-12.50	-0.0048	/	Pass
-30				NV	-9.80	-0.0038	/	Pass
				NV	-12.10	-0.0047	/	Pass
-20				NV	-10.80	-0.0042	/	Pass
				0	NV	-8.30	-0.0032	/
10				NV	-10.90	-0.0042	/	Pass
				20	NV	-11.40	-0.0044	/
30				NV	-13.00	-0.0050	/	Pass
	40	NV	-11.60	-0.0045	/	Pass		
50	NV	-18.10	-0.0070	/	Pass			
	20	LV	-9.10	-0.0035	/	Pass		
-30		NV	-11.10	-0.0043	/	Pass		
	-20	NV	-3.40	-0.0013	/	Pass		
-10		NV	-10.00	-0.0039	/	Pass		
	0	NV	-11.30	-0.0044	/	Pass		
10		NV	-8.70	-0.0034	/	Pass		
	20	NV	-6.30	-0.0024	/	Pass		
30		NV	-9.20	-0.0035	/	Pass		
	40	NV	-13.00	-0.0050	/	Pass		
50		NV	-16.60	-0.0064	/	Pass		
	CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-6.70	-0.0026	/
HV					-14.40	-0.0056	/	Pass
-30				NV	-18.80	-0.0073	/	Pass
				-20	NV	-8.30	-0.0032	/



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			-10	NV	-9.70	-0.0037	/	Pass			
			0	NV	-9.50	-0.0037	/	Pass			
			10	NV	-6.50	-0.0025	/	Pass			
			20	NV	-15.10	-0.0058	/	Pass			
			30	NV	-5.60	-0.0022	/	Pass			
			40	NV	-6.70	-0.0026	/	Pass			
			50	NV	-12.70	-0.0049	/	Pass			
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-10.60	-0.0041	/	Pass			
				HV	-5.90	-0.0023	/	Pass			
						-30	NV	-8.10	-0.0031	/	Pass
						-20	NV	-6.20	-0.0024	/	Pass
						-10	NV	-15.70	-0.0061	/	Pass
						0	NV	-9.70	-0.0037	/	Pass
						10	NV	-10.90	-0.0042	/	Pass
						20	NV	-10.80	-0.0042	/	Pass
						30	NV	-5.20	-0.0020	/	Pass
						40	NV	-11.40	-0.0044	/	Pass
			50	NV	-10.20	-0.0039	/	Pass			
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-7.80	-0.0030	/	Pass			
				HV	-14.20	-0.0055	/	Pass			
						-30	NV	-6.60	-0.0025	/	Pass
						-20	NV	-11.30	-0.0044	/	Pass
						-10	NV	-10.70	-0.0041	/	Pass
						0	NV	-9.10	-0.0035	/	Pass
						10	NV	-6.90	-0.0027	/	Pass
						20	NV	-11.90	-0.0046	/	Pass
						30	NV	-14.00	-0.0054	/	Pass
						40	NV	-11.20	-0.0043	/	Pass
			50	NV	-10.50	-0.0040	/	Pass			
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-9.90	-0.0038	/	Pass			
				HV	-11.00	-0.0042	/	Pass			
						-30	NV	-14.30	-0.0055	/	Pass
						-20	NV	-6.70	-0.0026	/	Pass
						-10	NV	-4.40	-0.0017	/	Pass
						0	NV	-7.30	-0.0028	/	Pass
						10	NV	-2.90	-0.0011	/	Pass
						20	NV	-8.40	-0.0032	/	Pass
						30	NV	-4.90	-0.0019	/	Pass
						40	NV	-2.60	-0.0010	/	Pass
			50	NV	-10.80	-0.0042	/	Pass			

2.4 30k_SISO_50MHz

2.4.1 Test Result

5G NR n41 SCS=30kHz SISO 50MHz



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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房

t (86-755) 26012053 www.sgs.com.cn
 t (86-755) 26012053 sgs.china@sgs.com



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Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2592.99	Outer_Full	20	LV	-5.40	-0.0021	/	Pass
				HV	-7.30	-0.0028	/	Pass
			-30	NV	-6.50	-0.0025	/	Pass
				NV	-9.20	-0.0035	/	Pass
			-10	NV	-10.70	-0.0041	/	Pass
				NV	-13.50	-0.0052	/	Pass
			10	NV	-9.60	-0.0037	/	Pass
				NV	-7.40	-0.0029	/	Pass
			30	NV	-10.70	-0.0041	/	Pass
				NV	-16.30	-0.0063	/	Pass
50	NV	-9.60	-0.0037	/	Pass			
	NV	-9.60	-0.0037	/	Pass			
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-13.10	-0.0051	/	Pass
				HV	-7.70	-0.0030	/	Pass
			-30	NV	-18.40	-0.0071	/	Pass
				NV	-11.20	-0.0043	/	Pass
			-10	NV	-15.50	-0.0060	/	Pass
				NV	-10.00	-0.0039	/	Pass
			10	NV	-7.60	-0.0029	/	Pass
				NV	-12.30	-0.0047	/	Pass
			30	NV	-4.60	-0.0018	/	Pass
				NV	-6.30	-0.0024	/	Pass
50	NV	-4.80	-0.0019	/	Pass			
	NV	-4.80	-0.0019	/	Pass			
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-7.90	-0.0030	/	Pass
				HV	-11.30	-0.0044	/	Pass
			-30	NV	-12.50	-0.0048	/	Pass
				NV	-12.70	-0.0049	/	Pass
			-10	NV	-14.80	-0.0057	/	Pass
				NV	-14.90	-0.0057	/	Pass
			10	NV	-11.40	-0.0044	/	Pass
				NV	-13.80	-0.0053	/	Pass
			30	NV	5.10	0.0020	/	Pass
				NV	-11.90	-0.0046	/	Pass
50	NV	-14.60	-0.0056	/	Pass			
	NV	-14.60	-0.0056	/	Pass			
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-5.30	-0.0020	/	Pass
				HV	-11.60	-0.0045	/	Pass
			-30	NV	-11.10	-0.0043	/	Pass
				NV	-18.10	-0.0070	/	Pass
			-10	NV	-13.80	-0.0053	/	Pass
				NV	-2.10	-0.0008	/	Pass
			10	NV	-10.90	-0.0042	/	Pass
				NV	-7.70	-0.0030	/	Pass
			30	NV	-16.50	-0.0064	/	Pass
				NV	-8.30	-0.0032	/	Pass
50	NV	-6.00	-0.0023	/	Pass			
	NV	-6.00	-0.0023	/	Pass			
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-14.60	-0.0056	/	Pass
				HV	-13.90	-0.0054	/	Pass



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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			-30	NV	-13.00	-0.0050	/	Pass
			-20	NV	-8.10	-0.0031	/	Pass
			-10	NV	-2.30	-0.0009	/	Pass
			0	NV	-15.00	-0.0058	/	Pass
			10	NV	-10.50	-0.0040	/	Pass
			20	NV	-8.70	-0.0034	/	Pass
			30	NV	-12.70	-0.0049	/	Pass
			40	NV	-16.10	-0.0062	/	Pass
			50	NV	-5.80	-0.0022	/	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-7.20	-0.0028	/	Pass
				HV	-8.50	-0.0033	/	Pass
			-30	NV	5.30	0.0020	/	Pass
				NV	-7.20	-0.0028	/	Pass
			-10	NV	-10.80	-0.0042	/	Pass
				NV	-5.90	-0.0023	/	Pass
			10	NV	-9.80	-0.0038	/	Pass
				NV	-3.50	-0.0013	/	Pass
			30	NV	-17.50	-0.0067	/	Pass
NV	-12.70	-0.0049		/	Pass			
50	NV	-12.00	-0.0046	/	Pass			
	NV	-12.00	-0.0046	/	Pass			
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-12.30	-0.0047	/	Pass
				HV	-6.20	-0.0024	/	Pass
			-30	NV	-12.20	-0.0047	/	Pass
				NV	-1.80	-0.0007	/	Pass
			-10	NV	-16.10	-0.0062	/	Pass
				NV	-13.00	-0.0050	/	Pass
			10	NV	-19.20	-0.0074	/	Pass
				NV	-14.90	-0.0057	/	Pass
			30	NV	-2.90	-0.0011	/	Pass
NV	-12.70	-0.0049		/	Pass			
50	NV	-9.20	-0.0035	/	Pass			
	NV	-9.20	-0.0035	/	Pass			
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-20.00	-0.0077	/	Pass
				HV	-14.80	-0.0057	/	Pass
			-30	NV	-18.90	-0.0073	/	Pass
				NV	-16.40	-0.0063	/	Pass
			-10	NV	-17.10	-0.0066	/	Pass
				NV	-3.20	-0.0012	/	Pass
			10	NV	-14.20	-0.0055	/	Pass
				NV	-5.30	-0.0020	/	Pass
			30	NV	-11.60	-0.0045	/	Pass
NV	-10.70	-0.0041		/	Pass			
50	NV	-10.90	-0.0042	/	Pass			
	NV	-10.90	-0.0042	/	Pass			
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-8.70	-0.0034	/	Pass
				HV	-4.50	-0.0017	/	Pass
			-30	NV	-2.70	-0.0010	/	Pass
				NV	-7.80	-0.0030	/	Pass
			-10	NV	-10.90	-0.0042	/	Pass
NV	-9.70	-0.0037		/	Pass			



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 Shenzhen Branch, Inspection & Testing Services
 Shenzhen Branch, Inspection & Testing Services

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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			10	NV	-10.50	-0.0040	/	Pass
			20	NV	-15.40	-0.0059	/	Pass
			30	NV	-9.50	-0.0037	/	Pass
			40	NV	-4.00	-0.0015	/	Pass
			50	NV	-15.00	-0.0058	/	Pass

2.5 30k_SISO_60MHz

2.5.1 Test Result

5G NR n41 SCS=30kHz SISO 60MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2592.99	Outer_Full	20	LV	-12.10	-0.0047	/	Pass
				HV	-15.80	-0.0061	/	Pass
			-30	NV	-7.10	-0.0027	/	Pass
				NV	-10.00	-0.0039	/	Pass
			-10	NV	-18.00	-0.0069	/	Pass
				NV	-6.80	-0.0026	/	Pass
			10	NV	-11.00	-0.0042	/	Pass
				NV	-15.20	-0.0059	/	Pass
			30	NV	-11.30	-0.0044	/	Pass
				NV	-9.40	-0.0036	/	Pass
40	NV	-6.60	-0.0025	/	Pass			
	NV	-6.60	-0.0025	/	Pass			
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-13.70	-0.0053	/	Pass
				HV	-8.80	-0.0034	/	Pass
			-30	NV	-8.90	-0.0034	/	Pass
				NV	-13.00	-0.0050	/	Pass
			-10	NV	-14.80	-0.0057	/	Pass
				NV	-13.00	-0.0050	/	Pass
			10	NV	-6.00	-0.0023	/	Pass
				NV	-13.70	-0.0053	/	Pass
			30	NV	-10.80	-0.0042	/	Pass
				NV	-2.70	-0.0010	/	Pass
40	NV	-7.60	-0.0029	/	Pass			
	NV	-7.60	-0.0029	/	Pass			
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	7.00	0.0027	/	Pass
				HV	-18.20	-0.0070	/	Pass
			-30	NV	-12.00	-0.0046	/	Pass
				NV	-9.60	-0.0037	/	Pass
			-10	NV	-6.80	-0.0026	/	Pass
				NV	-7.60	-0.0029	/	Pass
			10	NV	-11.90	-0.0046	/	Pass
				NV	-4.90	-0.0019	/	Pass
			30	NV	-13.80	-0.0053	/	Pass
				NV	-8.30	-0.0032	/	Pass
40	NV	-8.30	-0.0032	/	Pass			
	NV	-10.80	-0.0042	/	Pass			



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