

Appendix B.28

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15_S_5M_NTNV_ERP

5G NR n14 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	790.5	Edge_1RB_Left	24.18	/	/	22.29	/	/	<=34.77	Pass
		Edge_1RB_Right	24.15	/	/	22.26	/	/	<=34.77	Pass
		Outer_Full	24.19	/	/	22.30	/	/	<=34.77	Pass
		Inner_Full	24.64	/	/	22.75	/	/	<=34.77	Pass
		Inner_1RB_Left	24.59	/	/	22.70	/	/	<=34.77	Pass
		Inner_1RB_Right	24.62	/	/	22.73	/	/	<=34.77	Pass
	793	Edge_1RB_Left	24.17	/	/	22.28	/	/	<=34.77	Pass
		Edge_1RB_Right	24.09	/	/	22.20	/	/	<=34.77	Pass
		Outer_Full	24.22	/	/	22.33	/	/	<=34.77	Pass
		Inner_Full	24.70	/	/	22.81	/	/	<=34.77	Pass
		Inner_1RB_Left	24.68	/	/	22.79	/	/	<=34.77	Pass
		Inner_1RB_Right	24.52	/	/	22.63	/	/	<=34.77	Pass
	795.5	Edge_1RB_Left	24.07	/	/	22.18	/	/	<=34.77	Pass
		Edge_1RB_Right	23.96	/	/	22.07	/	/	<=34.77	Pass
		Outer_Full	24.08	/	/	22.19	/	/	<=34.77	Pass
		Inner_Full	24.56	/	/	22.67	/	/	<=34.77	Pass
		Inner_1RB_Left	24.60	/	/	22.71	/	/	<=34.77	Pass
		Inner_1RB_Right	24.46	/	/	22.57	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	790.5	Edge_1RB_Left	23.59	/	/	21.70	/	/	<=34.77	Pass
		Edge_1RB_Right	23.60	/	/	21.71	/	/	<=34.77	Pass
		Outer_Full	23.70	/	/	21.81	/	/	<=34.77	Pass
		Inner_Full	24.68	/	/	22.79	/	/	<=34.77	Pass
		Inner_1RB_Left	24.53	/	/	22.64	/	/	<=34.77	Pass
		Inner_1RB_Right	24.51	/	/	22.62	/	/	<=34.77	Pass
	793	Edge_1RB_Left	23.61	/	/	21.72	/	/	<=34.77	Pass
		Edge_1RB_Right	23.54	/	/	21.65	/	/	<=34.77	Pass
		Outer_Full	23.71	/	/	21.82	/	/	<=34.77	Pass
		Inner_Full	24.68	/	/	22.79	/	/	<=34.77	Pass
		Inner_1RB_Left	24.61	/	/	22.72	/	/	<=34.77	Pass
		Inner_1RB_Right	24.51	/	/	22.62	/	/	<=34.77	Pass
	795.5	Edge_1RB_Left	23.55	/	/	21.66	/	/	<=34.77	Pass
		Edge_1RB_Right	23.44	/	/	21.55	/	/	<=34.77	Pass
		Outer_Full	23.58	/	/	21.69	/	/	<=34.77	Pass
		Inner_Full	24.58	/	/	22.69	/	/	<=34.77	Pass
		Inner_1RB_Left	24.56	/	/	22.67	/	/	<=34.77	Pass
		Inner_1RB_Right	24.41	/	/	22.52	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	790.5	Edge_1RB_Left	22.60	/	/	20.71	/	/	<=34.77	Pass
		Edge_1RB_Right	22.46	/	/	20.57	/	/	<=34.77	Pass
		Outer_Full	22.56	/	/	20.67	/	/	<=34.77	Pass
		Inner_Full	23.59	/	/	21.70	/	/	<=34.77	Pass
		Inner_1RB_Left	23.55	/	/	21.66	/	/	<=34.77	Pass
		Inner_1RB_Right	23.47	/	/	21.58	/	/	<=34.77	Pass
	793	Edge_1RB_Left	22.51	/	/	20.62	/	/	<=34.77	Pass
		Edge_1RB_Right	22.44	/	/	20.55	/	/	<=34.77	Pass
		Outer_Full	22.64	/	/	20.75	/	/	<=34.77	Pass

		Inner Full	23.66	/	/	21.77	/	/	<=34.77	Pass
		Inner 1RB Left	23.58	/	/	21.69	/	/	<=34.77	Pass
		Inner 1RB Right	23.47	/	/	21.58	/	/	<=34.77	Pass
	795.5	Edge 1RB Left	22.57	/	/	20.68	/	/	<=34.77	Pass
		Edge 1RB Right	22.39	/	/	20.50	/	/	<=34.77	Pass
		Outer Full	22.49	/	/	20.60	/	/	<=34.77	Pass
		Inner Full	23.55	/	/	21.66	/	/	<=34.77	Pass
		Inner 1RB Left	23.58	/	/	21.69	/	/	<=34.77	Pass
		Inner 1RB Right	23.37	/	/	21.48	/	/	<=34.77	Pass
		Edge 1RB Left	21.95	/	/	20.06	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	790.5	Edge 1RB Right	21.65	/	/	19.76	/	/	<=34.77	Pass
		Outer Full	22.15	/	/	20.26	/	/	<=34.77	Pass
		Inner Full	22.13	/	/	20.24	/	/	<=34.77	Pass
		Inner 1RB Left	21.69	/	/	19.80	/	/	<=34.77	Pass
		Inner 1RB Right	21.88	/	/	19.99	/	/	<=34.77	Pass
		Edge 1RB Left	21.77	/	/	19.88	/	/	<=34.77	Pass
	793	Edge 1RB Right	21.62	/	/	19.73	/	/	<=34.77	Pass
		Outer Full	22.13	/	/	20.24	/	/	<=34.77	Pass
		Inner Full	22.10	/	/	20.21	/	/	<=34.77	Pass
		Inner 1RB Left	21.68	/	/	19.79	/	/	<=34.77	Pass
		Inner 1RB Right	21.73	/	/	19.84	/	/	<=34.77	Pass
		Edge 1RB Left	21.88	/	/	19.99	/	/	<=34.77	Pass
	795.5	Edge 1RB Right	21.74	/	/	19.85	/	/	<=34.77	Pass
		Outer Full	22.08	/	/	20.19	/	/	<=34.77	Pass
		Inner Full	22.06	/	/	20.17	/	/	<=34.77	Pass
		Inner 1RB Left	21.69	/	/	19.80	/	/	<=34.77	Pass
		Inner 1RB Right	21.57	/	/	19.68	/	/	<=34.77	Pass
		Edge 1RB Left	20.51	/	/	18.62	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	790.5	Edge 1RB Right	20.50	/	/	18.61	/	/	<=34.77	Pass
		Outer Full	20.28	/	/	18.39	/	/	<=34.77	Pass
		Inner Full	20.23	/	/	18.34	/	/	<=34.77	Pass
		Inner 1RB Left	20.46	/	/	18.57	/	/	<=34.77	Pass
		Inner 1RB Right	20.55	/	/	18.66	/	/	<=34.77	Pass
		Edge 1RB Left	20.47	/	/	18.58	/	/	<=34.77	Pass
	793	Edge 1RB Right	20.46	/	/	18.57	/	/	<=34.77	Pass
		Outer Full	20.30	/	/	18.41	/	/	<=34.77	Pass
		Inner Full	20.23	/	/	18.34	/	/	<=34.77	Pass
		Inner 1RB Left	20.54	/	/	18.65	/	/	<=34.77	Pass
		Inner 1RB Right	20.48	/	/	18.59	/	/	<=34.77	Pass
		Edge 1RB Left	20.42	/	/	18.53	/	/	<=34.77	Pass
	795.5	Edge 1RB Right	20.32	/	/	18.43	/	/	<=34.77	Pass
		Outer Full	20.22	/	/	18.33	/	/	<=34.77	Pass
		Inner Full	20.09	/	/	18.20	/	/	<=34.77	Pass
		Inner 1RB Left	20.47	/	/	18.58	/	/	<=34.77	Pass
		Inner 1RB Right	20.36	/	/	18.47	/	/	<=34.77	Pass
		Edge 1RB Left	21.65	/	/	19.76	/	/	<=34.77	Pass
CP-OFDM QPSK	790.5	Edge 1RB Right	21.65	/	/	19.76	/	/	<=34.77	Pass
		Outer Full	21.62	/	/	19.73	/	/	<=34.77	Pass
		Inner Full	23.20	/	/	21.31	/	/	<=34.77	Pass
		Inner 1RB Left	23.07	/	/	21.18	/	/	<=34.77	Pass
		Inner 1RB Right	23.10	/	/	21.21	/	/	<=34.77	Pass
		Edge 1RB Left	21.87	/	/	19.98	/	/	<=34.77	Pass
	793	Edge 1RB Right	21.76	/	/	19.87	/	/	<=34.77	Pass
		Outer Full	21.61	/	/	19.72	/	/	<=34.77	Pass
		Inner Full	23.16	/	/	21.27	/	/	<=34.77	Pass
		Inner 1RB Left	23.42	/	/	21.53	/	/	<=34.77	Pass

	795.5	Inner 1RB Right	23.38	/	/	21.49	/	/	<=34.77	Pass
		Edge 1RB Left	21.61	/	/	19.72	/	/	<=34.77	Pass
		Edge 1RB Right	21.52	/	/	19.63	/	/	<=34.77	Pass
		Outer Full	21.49	/	/	19.60	/	/	<=34.77	Pass
		Inner Full	23.06	/	/	21.17	/	/	<=34.77	Pass
		Inner 1RB Left	23.04	/	/	21.15	/	/	<=34.77	Pass
		Inner 1RB Right	22.94	/	/	21.05	/	/	<=34.77	Pass
CP-OFDM 16 QAM	790.5	Edge 1RB Left	21.55	/	/	19.66	/	/	<=34.77	Pass
		Edge 1RB Right	21.46	/	/	19.57	/	/	<=34.77	Pass
		Outer Full	21.59	/	/	19.70	/	/	<=34.77	Pass
		Inner Full	22.70	/	/	20.81	/	/	<=34.77	Pass
		Inner 1RB Left	22.51	/	/	20.62	/	/	<=34.77	Pass
		Inner 1RB Right	22.46	/	/	20.57	/	/	<=34.77	Pass
	793	Edge 1RB Left	21.59	/	/	19.70	/	/	<=34.77	Pass
		Edge 1RB Right	21.42	/	/	19.53	/	/	<=34.77	Pass
		Outer Full	21.58	/	/	19.69	/	/	<=34.77	Pass
		Inner Full	22.69	/	/	20.80	/	/	<=34.77	Pass
		Inner 1RB Left	22.54	/	/	20.65	/	/	<=34.77	Pass
		Inner 1RB Right	22.40	/	/	20.51	/	/	<=34.77	Pass
	795.5	Edge 1RB Left	21.41	/	/	19.52	/	/	<=34.77	Pass
		Edge 1RB Right	21.34	/	/	19.45	/	/	<=34.77	Pass
		Outer Full	21.51	/	/	19.62	/	/	<=34.77	Pass
		Inner Full	22.58	/	/	20.69	/	/	<=34.77	Pass
		Inner 1RB Left	22.46	/	/	20.57	/	/	<=34.77	Pass
		Inner 1RB Right	22.40	/	/	20.51	/	/	<=34.77	Pass
CP-OFDM 64 QAM	790.5	Edge 1RB Left	20.90	/	/	19.01	/	/	<=34.77	Pass
		Edge 1RB Right	20.70	/	/	18.81	/	/	<=34.77	Pass
		Outer Full	21.10	/	/	19.21	/	/	<=34.77	Pass
		Inner Full	21.11	/	/	19.22	/	/	<=34.77	Pass
		Inner 1RB Left	20.73	/	/	18.84	/	/	<=34.77	Pass
		Inner 1RB Right	20.68	/	/	18.79	/	/	<=34.77	Pass
	793	Edge 1RB Left	20.68	/	/	18.79	/	/	<=34.77	Pass
		Edge 1RB Right	20.71	/	/	18.82	/	/	<=34.77	Pass
		Outer Full	21.09	/	/	19.20	/	/	<=34.77	Pass
		Inner Full	21.16	/	/	19.27	/	/	<=34.77	Pass
		Inner 1RB Left	20.76	/	/	18.87	/	/	<=34.77	Pass
		Inner 1RB Right	20.61	/	/	18.72	/	/	<=34.77	Pass
	795.5	Edge 1RB Left	20.69	/	/	18.80	/	/	<=34.77	Pass
		Edge 1RB Right	20.49	/	/	18.60	/	/	<=34.77	Pass
		Outer Full	21.01	/	/	19.12	/	/	<=34.77	Pass
		Inner Full	21.03	/	/	19.14	/	/	<=34.77	Pass
		Inner 1RB Left	20.82	/	/	18.93	/	/	<=34.77	Pass
		Inner 1RB Right	20.58	/	/	18.69	/	/	<=34.77	Pass
CP-OFDM 256 QAM	790.5	Edge 1RB Left	18.35	/	/	16.46	/	/	<=34.77	Pass
		Edge 1RB Right	18.32	/	/	16.43	/	/	<=34.77	Pass
		Outer Full	18.25	/	/	16.36	/	/	<=34.77	Pass
		Inner Full	18.31	/	/	16.42	/	/	<=34.77	Pass
		Inner 1RB Left	18.38	/	/	16.49	/	/	<=34.77	Pass
		Inner 1RB Right	18.45	/	/	16.56	/	/	<=34.77	Pass
	793	Edge 1RB Left	18.47	/	/	16.58	/	/	<=34.77	Pass
		Edge 1RB Right	18.34	/	/	16.45	/	/	<=34.77	Pass
		Outer Full	18.25	/	/	16.36	/	/	<=34.77	Pass
		Inner Full	18.30	/	/	16.41	/	/	<=34.77	Pass
		Inner 1RB Left	18.40	/	/	16.51	/	/	<=34.77	Pass
		Inner 1RB Right	18.44	/	/	16.55	/	/	<=34.77	Pass
	795.5	Edge 1RB Left	18.28	/	/	16.39	/	/	<=34.77	Pass

		Edge 1RB Right	18.29	/	/	16.40	/	/	<=34.77	Pass
		Outer Full	18.14	/	/	16.25	/	/	<=34.77	Pass
		Inner Full	18.20	/	/	16.31	/	/	<=34.77	Pass
		Inner 1RB Left	18.40	/	/	16.51	/	/	<=34.77	Pass
		Inner 1RB Right	18.19	/	/	16.30	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: 0.26dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.2 15_S_10M_NTNV_ERP

5G NR n14 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	793	Edge 1RB Left	24.07	/	/	22.18	/	/	<=34.77	Pass
		Edge 1RB Right	24.07	/	/	22.18	/	/	<=34.77	Pass
		Outer Full	24.13	/	/	22.24	/	/	<=34.77	Pass
		Inner Full	24.77	/	/	22.88	/	/	<=34.77	Pass
		Inner 1RB Left	24.54	/	/	22.65	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	793	Inner 1RB Right	24.51	/	/	22.62	/	/	<=34.77	Pass
		Edge 1RB Left	23.50	/	/	21.61	/	/	<=34.77	Pass
		Edge 1RB Right	23.48	/	/	21.59	/	/	<=34.77	Pass
		Outer Full	23.70	/	/	21.81	/	/	<=34.77	Pass
		Inner Full	24.73	/	/	22.84	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	793	Inner 1RB Left	24.49	/	/	22.60	/	/	<=34.77	Pass
		Inner 1RB Right	24.46	/	/	22.57	/	/	<=34.77	Pass
		Edge 1RB Left	22.57	/	/	20.68	/	/	<=34.77	Pass
		Edge 1RB Right	22.39	/	/	20.50	/	/	<=34.77	Pass
		Outer Full	22.65	/	/	20.76	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	793	Inner Full	23.70	/	/	21.81	/	/	<=34.77	Pass
		Inner 1RB Left	23.47	/	/	21.58	/	/	<=34.77	Pass
		Inner 1RB Right	23.46	/	/	21.57	/	/	<=34.77	Pass
		Edge 1RB Left	21.92	/	/	20.03	/	/	<=34.77	Pass
		Edge 1RB Right	21.57	/	/	19.68	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	793	Outer Full	22.15	/	/	20.26	/	/	<=34.77	Pass
		Inner Full	22.17	/	/	20.28	/	/	<=34.77	Pass
		Inner 1RB Left	21.56	/	/	19.67	/	/	<=34.77	Pass
		Inner 1RB Right	21.84	/	/	19.95	/	/	<=34.77	Pass
		Edge 1RB Left	20.32	/	/	18.43	/	/	<=34.77	Pass
CP-OFDM QPSK	793	Edge 1RB Right	20.37	/	/	18.48	/	/	<=34.77	Pass
		Outer Full	20.29	/	/	18.40	/	/	<=34.77	Pass
		Inner Full	20.36	/	/	18.47	/	/	<=34.77	Pass
		Inner 1RB Left	20.37	/	/	18.48	/	/	<=34.77	Pass
		Inner 1RB Right	20.42	/	/	18.53	/	/	<=34.77	Pass
CP-OFDM 16 QAM	793	Edge 1RB Left	21.57	/	/	19.68	/	/	<=34.77	Pass
		Edge 1RB Right	21.62	/	/	19.73	/	/	<=34.77	Pass
		Outer Full	21.59	/	/	19.70	/	/	<=34.77	Pass
		Inner Full	23.17	/	/	21.28	/	/	<=34.77	Pass
		Inner 1RB Left	23.04	/	/	21.15	/	/	<=34.77	Pass
CP-OFDM 64 QAM	793	Inner 1RB Right	23.06	/	/	21.17	/	/	<=34.77	Pass
		Edge 1RB Left	21.44	/	/	19.55	/	/	<=34.77	Pass
		Edge 1RB Right	21.53	/	/	19.64	/	/	<=34.77	Pass
		Outer Full	21.63	/	/	19.74	/	/	<=34.77	Pass
		Inner Full	22.67	/	/	20.78	/	/	<=34.77	Pass
CP-OFDM 256 QAM	793	Inner 1RB Left	22.49	/	/	20.60	/	/	<=34.77	Pass

		Inner_1RB_Right	22.44	/	/	20.55	/	/	<=34.77	Pass
CP-OFDM 64 QAM	793	Edge_1RB_Left	20.75	/	/	18.86	/	/	<=34.77	Pass
		Edge_1RB_Right	20.76	/	/	18.87	/	/	<=34.77	Pass
		Outer_Full	21.11	/	/	19.22	/	/	<=34.77	Pass
		Inner_Full	21.17	/	/	19.28	/	/	<=34.77	Pass
		Inner_1RB_Left	20.66	/	/	18.77	/	/	<=34.77	Pass
		Inner_1RB_Right	20.69	/	/	18.80	/	/	<=34.77	Pass
CP-OFDM 256 QAM	793	Edge_1RB_Left	18.41	/	/	16.52	/	/	<=34.77	Pass
		Edge_1RB_Right	18.36	/	/	16.47	/	/	<=34.77	Pass
		Outer_Full	18.23	/	/	16.34	/	/	<=34.77	Pass
		Inner_Full	18.26	/	/	16.37	/	/	<=34.77	Pass
		Inner_1RB_Left	18.36	/	/	16.47	/	/	<=34.77	Pass
		Inner_1RB_Right	18.39	/	/	16.50	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: 0.26dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

- End of the Appendix -