

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15_S_5M_NTNV_ERP

5G NR n13 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	779.5	Outer_Full	23.75	/	/	21.80	/	/	<=34.77	Pass
		Inner_Full	24.40	/	/	22.45	/	/	<=34.77	Pass
		Inner_1RB_Left	24.33	/	/	22.38	/	/	<=34.77	Pass
		Inner_1RB_Right	24.27	/	/	22.32	/	/	<=34.77	Pass
	782	Outer_Full	23.66	/	/	21.71	/	/	<=34.77	Pass
		Inner_Full	24.21	/	/	22.26	/	/	<=34.77	Pass
		Inner_1RB_Left	24.27	/	/	22.32	/	/	<=34.77	Pass
		Inner_1RB_Right	24.18	/	/	22.23	/	/	<=34.77	Pass
	784.5	Outer_Full	23.65	/	/	21.70	/	/	<=34.77	Pass
		Inner_Full	24.29	/	/	22.34	/	/	<=34.77	Pass
		Inner_1RB_Left	24.27	/	/	22.32	/	/	<=34.77	Pass
		Inner_1RB_Right	24.19	/	/	22.24	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	779.5	Outer_Full	23.25	/	/	21.30	/	/	<=34.77	Pass
		Inner_Full	24.39	/	/	22.44	/	/	<=34.77	Pass
		Inner_1RB_Left	23.85	/	/	21.90	/	/	<=34.77	Pass
		Inner_1RB_Right	24.26	/	/	22.31	/	/	<=34.77	Pass
	782	Outer_Full	23.18	/	/	21.23	/	/	<=34.77	Pass
		Inner_Full	24.19	/	/	22.24	/	/	<=34.77	Pass
		Inner_1RB_Left	24.27	/	/	22.32	/	/	<=34.77	Pass
		Inner_1RB_Right	24.21	/	/	22.26	/	/	<=34.77	Pass
	784.5	Outer_Full	23.17	/	/	21.22	/	/	<=34.77	Pass
		Inner_Full	24.32	/	/	22.37	/	/	<=34.77	Pass
		Inner_1RB_Left	24.29	/	/	22.34	/	/	<=34.77	Pass
		Inner_1RB_Right	24.23	/	/	22.28	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	779.5	Outer_Full	22.23	/	/	20.28	/	/	<=34.77	Pass
		Inner_Full	23.32	/	/	21.37	/	/	<=34.77	Pass
		Inner_1RB_Left	22.75	/	/	20.80	/	/	<=34.77	Pass
		Inner_1RB_Right	23.27	/	/	21.32	/	/	<=34.77	Pass
	782	Outer_Full	22.30	/	/	20.35	/	/	<=34.77	Pass
		Inner_Full	23.32	/	/	21.37	/	/	<=34.77	Pass
		Inner_1RB_Left	23.16	/	/	21.21	/	/	<=34.77	Pass
		Inner_1RB_Right	23.20	/	/	21.25	/	/	<=34.77	Pass
	784.5	Outer_Full	22.24	/	/	20.29	/	/	<=34.77	Pass
		Inner_Full	23.28	/	/	21.33	/	/	<=34.77	Pass
		Inner_1RB_Left	23.18	/	/	21.23	/	/	<=34.77	Pass
		Inner_1RB_Right	23.17	/	/	21.22	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	779.5	Outer_Full	21.74	/	/	19.79	/	/	<=34.77	Pass
		Inner_Full	21.84	/	/	19.89	/	/	<=34.77	Pass
		Inner_1RB_Left	21.96	/	/	20.01	/	/	<=34.77	Pass
		Inner_1RB_Right	21.91	/	/	19.96	/	/	<=34.77	Pass
	782	Outer_Full	21.71	/	/	19.76	/	/	<=34.77	Pass
		Inner_Full	21.77	/	/	19.82	/	/	<=34.77	Pass
		Inner_1RB_Left	21.89	/	/	19.94	/	/	<=34.77	Pass
		Inner_1RB_Right	21.89	/	/	19.94	/	/	<=34.77	Pass
	784.5	Outer_Full	21.69	/	/	19.74	/	/	<=34.77	Pass
		Inner_Full	21.77	/	/	19.82	/	/	<=34.77	Pass
		Inner_1RB_Left	21.88	/	/	19.93	/	/	<=34.77	Pass
		Inner_1RB_Right	21.87	/	/	19.92	/	/	<=34.77	Pass
DFT-s-OFDM 256	779.5	Outer_Full	19.71	/	/	17.76	/	/	<=34.77	Pass

QAM		Inner_Full	19.74	/	/	17.79	/	/	<=34.77	Pass
		Inner_1RB_Left	19.15	/	/	17.20	/	/	<=34.77	Pass
		Inner_1RB_Right	19.11	/	/	17.16	/	/	<=34.77	Pass
	782	Outer_Full	19.70	/	/	17.75	/	/	<=34.77	Pass
		Inner_Full	19.76	/	/	17.81	/	/	<=34.77	Pass
		Inner_1RB_Left	19.23	/	/	17.28	/	/	<=34.77	Pass
		Inner_1RB_Right	19.17	/	/	17.22	/	/	<=34.77	Pass
	784.5	Outer_Full	19.67	/	/	17.72	/	/	<=34.77	Pass
		Inner_Full	19.74	/	/	17.79	/	/	<=34.77	Pass
		Inner_1RB_Left	19.15	/	/	17.20	/	/	<=34.77	Pass
		Inner_1RB_Right	19.10	/	/	17.15	/	/	<=34.77	Pass
CP-OFDM QPSK	779.5	Outer_Full	21.38	/	/	19.43	/	/	<=34.77	Pass
		Inner_Full	22.87	/	/	20.92	/	/	<=34.77	Pass
		Inner_1RB_Left	22.47	/	/	20.52	/	/	<=34.77	Pass
		Inner_1RB_Right	22.79	/	/	20.84	/	/	<=34.77	Pass
	782	Outer_Full	21.36	/	/	19.41	/	/	<=34.77	Pass
		Inner_Full	22.81	/	/	20.86	/	/	<=34.77	Pass
		Inner_1RB_Left	22.83	/	/	20.88	/	/	<=34.77	Pass
		Inner_1RB_Right	22.78	/	/	20.83	/	/	<=34.77	Pass
	784.5	Outer_Full	21.32	/	/	19.37	/	/	<=34.77	Pass
		Inner_Full	22.85	/	/	20.90	/	/	<=34.77	Pass
		Inner_1RB_Left	22.83	/	/	20.88	/	/	<=34.77	Pass
		Inner_1RB_Right	22.77	/	/	20.82	/	/	<=34.77	Pass
CP-OFDM 16 QAM	779.5	Outer_Full	21.36	/	/	19.41	/	/	<=34.77	Pass
		Inner_Full	22.09	/	/	20.14	/	/	<=34.77	Pass
		Inner_1RB_Left	21.91	/	/	19.96	/	/	<=34.77	Pass
		Inner_1RB_Right	22.41	/	/	20.46	/	/	<=34.77	Pass
	782	Outer_Full	21.38	/	/	19.43	/	/	<=34.77	Pass
		Inner_Full	22.17	/	/	20.22	/	/	<=34.77	Pass
		Inner_1RB_Left	22.52	/	/	20.57	/	/	<=34.77	Pass
		Inner_1RB_Right	22.40	/	/	20.45	/	/	<=34.77	Pass
	784.5	Outer_Full	21.32	/	/	19.37	/	/	<=34.77	Pass
		Inner_Full	22.09	/	/	20.14	/	/	<=34.77	Pass
		Inner_1RB_Left	22.48	/	/	20.53	/	/	<=34.77	Pass
		Inner_1RB_Right	22.32	/	/	20.37	/	/	<=34.77	Pass
CP-OFDM 64 QAM	779.5	Outer_Full	20.68	/	/	18.73	/	/	<=34.77	Pass
		Inner_Full	20.77	/	/	18.82	/	/	<=34.77	Pass
		Inner_1RB_Left	20.96	/	/	19.01	/	/	<=34.77	Pass
		Inner_1RB_Right	20.72	/	/	18.77	/	/	<=34.77	Pass
	782	Outer_Full	20.72	/	/	18.77	/	/	<=34.77	Pass
		Inner_Full	20.80	/	/	18.85	/	/	<=34.77	Pass
		Inner_1RB_Left	20.80	/	/	18.85	/	/	<=34.77	Pass
		Inner_1RB_Right	20.71	/	/	18.76	/	/	<=34.77	Pass
	784.5	Outer_Full	20.75	/	/	18.80	/	/	<=34.77	Pass
		Inner_Full	20.74	/	/	18.79	/	/	<=34.77	Pass
		Inner_1RB_Left	20.88	/	/	18.93	/	/	<=34.77	Pass
		Inner_1RB_Right	20.73	/	/	18.78	/	/	<=34.77	Pass
CP-OFDM 256 QAM	779.5	Outer_Full	17.71	/	/	15.76	/	/	<=34.77	Pass
		Inner_Full	17.71	/	/	15.76	/	/	<=34.77	Pass
		Inner_1RB_Left	17.31	/	/	15.36	/	/	<=34.77	Pass
		Inner_1RB_Right	17.19	/	/	15.24	/	/	<=34.77	Pass
	782	Outer_Full	17.66	/	/	15.71	/	/	<=34.77	Pass
		Inner_Full	17.72	/	/	15.77	/	/	<=34.77	Pass
		Inner_1RB_Left	17.19	/	/	15.24	/	/	<=34.77	Pass
		Inner_1RB_Right	17.12	/	/	15.17	/	/	<=34.77	Pass
	784.5	Outer_Full	17.63	/	/	15.68	/	/	<=34.77	Pass
		Inner_Full	17.60	/	/	15.65	/	/	<=34.77	Pass
		Inner_1RB_Left	17.17	/	/	15.22	/	/	<=34.77	Pass
		Inner_1RB_Right	17.02	/	/	15.07	/	/	<=34.77	Pass

Note1: Antenna Gain: Ant1: 0.20dBi;
Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 15_S_10M_NTNV_ERP

Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	782	Outer_Full	23.75	/	/	21.80	/	/	<=34.77	Pass
		Inner_Full	24.35	/	/	22.40	/	/	<=34.77	Pass
		Inner_1RB_Left	24.24	/	/	22.29	/	/	<=34.77	Pass
		Inner_1RB_Right	24.23	/	/	22.28	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	782	Outer_Full	23.29	/	/	21.34	/	/	<=34.77	Pass
		Inner_Full	24.30	/	/	22.35	/	/	<=34.77	Pass
		Inner_1RB_Left	23.88	/	/	21.93	/	/	<=34.77	Pass
		Inner_1RB_Right	24.25	/	/	22.30	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	782	Outer_Full	22.33	/	/	20.38	/	/	<=34.77	Pass
		Inner_Full	23.20	/	/	21.25	/	/	<=34.77	Pass
		Inner_1RB_Left	22.91	/	/	20.96	/	/	<=34.77	Pass
		Inner_1RB_Right	23.12	/	/	21.17	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	782	Outer_Full	21.84	/	/	19.89	/	/	<=34.77	Pass
		Inner_Full	21.63	/	/	19.68	/	/	<=34.77	Pass
		Inner_1RB_Left	21.84	/	/	19.89	/	/	<=34.77	Pass
		Inner_1RB_Right	21.79	/	/	19.84	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	782	Outer_Full	19.57	/	/	17.62	/	/	<=34.77	Pass
		Inner_Full	19.69	/	/	17.74	/	/	<=34.77	Pass
		Inner_1RB_Left	19.11	/	/	17.16	/	/	<=34.77	Pass
		Inner_1RB_Right	19.16	/	/	17.21	/	/	<=34.77	Pass
CP-OFDM QPSK	782	Outer_Full	21.22	/	/	19.27	/	/	<=34.77	Pass
		Inner_Full	22.78	/	/	20.83	/	/	<=34.77	Pass
		Inner_1RB_Left	22.48	/	/	20.53	/	/	<=34.77	Pass
		Inner_1RB_Right	22.83	/	/	20.88	/	/	<=34.77	Pass
CP-OFDM 16 QAM	782	Outer_Full	21.28	/	/	19.33	/	/	<=34.77	Pass
		Inner_Full	22.28	/	/	20.33	/	/	<=34.77	Pass
		Inner_1RB_Left	21.95	/	/	20.00	/	/	<=34.77	Pass
		Inner_1RB_Right	22.29	/	/	20.34	/	/	<=34.77	Pass
CP-OFDM 64 QAM	782	Outer_Full	20.78	/	/	18.83	/	/	<=34.77	Pass
		Inner_Full	20.80	/	/	18.85	/	/	<=34.77	Pass
		Inner_1RB_Left	20.86	/	/	18.91	/	/	<=34.77	Pass
		Inner_1RB_Right	20.74	/	/	18.79	/	/	<=34.77	Pass
CP-OFDM 256 QAM	782	Outer_Full	17.56	/	/	15.61	/	/	<=34.77	Pass
		Inner_Full	17.67	/	/	15.72	/	/	<=34.77	Pass
		Inner_1RB_Left	17.23	/	/	15.28	/	/	<=34.77	Pass
		Inner_1RB_Right	17.18	/	/	15.23	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: 0.20dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										