

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	Outer_Full	23.58	/	/	21.53	/	/	<=34.77	Pass
		Inner_Full	24.09	/	/	22.04	/	/	<=34.77	Pass
		Inner_1RB_Left	24.13	/	/	22.08	/	/	<=34.77	Pass
		Inner_1RB_Right	24.02	/	/	21.97	/	/	<=34.77	Pass
	793	Outer_Full	23.55	/	/	21.50	/	/	<=34.77	Pass
		Inner_Full	24.03	/	/	21.98	/	/	<=34.77	Pass
		Inner_1RB_Left	24.08	/	/	22.03	/	/	<=34.77	Pass
		Inner_1RB_Right	24.02	/	/	21.97	/	/	<=34.77	Pass
	795.5	Outer_Full	23.50	/	/	21.45	/	/	<=34.77	Pass
		Inner_Full	24.08	/	/	22.03	/	/	<=34.77	Pass
		Inner_1RB_Left	23.98	/	/	21.93	/	/	<=34.77	Pass
		Inner_1RB_Right	24.01	/	/	21.96	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	790.5	Outer_Full	22.99	/	/	20.94	/	/	<=34.77	Pass
		Inner_Full	24.10	/	/	22.05	/	/	<=34.77	Pass
		Inner_1RB_Left	24.02	/	/	21.97	/	/	<=34.77	Pass
		Inner_1RB_Right	24.02	/	/	21.97	/	/	<=34.77	Pass
	793	Outer_Full	22.98	/	/	20.93	/	/	<=34.77	Pass
		Inner_Full	24.06	/	/	22.01	/	/	<=34.77	Pass
		Inner_1RB_Left	24.00	/	/	21.95	/	/	<=34.77	Pass
		Inner_1RB_Right	24.01	/	/	21.96	/	/	<=34.77	Pass
	795.5	Outer_Full	22.95	/	/	20.90	/	/	<=34.77	Pass
		Inner_Full	24.08	/	/	22.03	/	/	<=34.77	Pass
		Inner_1RB_Left	24.00	/	/	21.95	/	/	<=34.77	Pass
		Inner_1RB_Right	24.05	/	/	22.00	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	790.5	Outer_Full	22.07	/	/	20.02	/	/	<=34.77	Pass
		Inner_Full	23.07	/	/	21.02	/	/	<=34.77	Pass
		Inner_1RB_Left	23.04	/	/	20.99	/	/	<=34.77	Pass
		Inner_1RB_Right	23.05	/	/	21.00	/	/	<=34.77	Pass
	793	Outer_Full	22.06	/	/	20.01	/	/	<=34.77	Pass
		Inner_Full	23.02	/	/	20.97	/	/	<=34.77	Pass
		Inner_1RB_Left	22.93	/	/	20.88	/	/	<=34.77	Pass
		Inner_1RB_Right	22.93	/	/	20.88	/	/	<=34.77	Pass
	795.5	Outer_Full	22.00	/	/	19.95	/	/	<=34.77	Pass
		Inner_Full	23.03	/	/	20.98	/	/	<=34.77	Pass
		Inner_1RB_Left	22.94	/	/	20.89	/	/	<=34.77	Pass
		Inner_1RB_Right	22.92	/	/	20.87	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	790.5	Outer_Full	21.53	/	/	19.48	/	/	<=34.77	Pass
		Inner_Full	21.64	/	/	19.59	/	/	<=34.77	Pass
		Inner_1RB_Left	21.66	/	/	19.61	/	/	<=34.77	Pass
		Inner_1RB_Right	21.65	/	/	19.60	/	/	<=34.77	Pass
	793	Outer_Full	21.56	/	/	19.51	/	/	<=34.77	Pass
		Inner_Full	21.57	/	/	19.52	/	/	<=34.77	Pass
		Inner_1RB_Left	21.61	/	/	19.56	/	/	<=34.77	Pass
		Inner_1RB_Right	21.63	/	/	19.58	/	/	<=34.77	Pass
	795.5	Outer_Full	21.53	/	/	19.48	/	/	<=34.77	Pass
		Inner_Full	21.63	/	/	19.58	/	/	<=34.77	Pass
		Inner_1RB_Left	21.60	/	/	19.55	/	/	<=34.77	Pass
		Inner_1RB_Right	21.64	/	/	19.59	/	/	<=34.77	Pass
DFT-s-OFDM 256	790.5	Outer_Full	19.47	/	/	17.42	/	/	<=34.77	Pass

QAM		Inner_Full	19.55	/	/	17.50	/	/	<=34.77	Pass
		Inner_1RB_Left	19.01	/	/	16.96	/	/	<=34.77	Pass
		Inner_1RB_Right	18.97	/	/	16.92	/	/	<=34.77	Pass
	793	Outer_Full	19.49	/	/	17.44	/	/	<=34.77	Pass
		Inner_Full	19.48	/	/	17.43	/	/	<=34.77	Pass
		Inner_1RB_Left	19.01	/	/	16.96	/	/	<=34.77	Pass
		Inner_1RB_Right	18.95	/	/	16.90	/	/	<=34.77	Pass
	795.5	Outer_Full	19.48	/	/	17.43	/	/	<=34.77	Pass
		Inner_Full	19.53	/	/	17.48	/	/	<=34.77	Pass
		Inner_1RB_Left	18.92	/	/	16.87	/	/	<=34.77	Pass
		Inner_1RB_Right	18.96	/	/	16.91	/	/	<=34.77	Pass
CP-OFDM QPSK	790.5	Outer_Full	21.10	/	/	19.05	/	/	<=34.77	Pass
		Inner_Full	22.69	/	/	20.64	/	/	<=34.77	Pass
		Inner_1RB_Left	22.66	/	/	20.61	/	/	<=34.77	Pass
		Inner_1RB_Right	22.67	/	/	20.62	/	/	<=34.77	Pass
	793	Outer_Full	21.12	/	/	19.07	/	/	<=34.77	Pass
		Inner_Full	22.70	/	/	20.65	/	/	<=34.77	Pass
		Inner_1RB_Left	22.60	/	/	20.55	/	/	<=34.77	Pass
		Inner_1RB_Right	22.74	/	/	20.69	/	/	<=34.77	Pass
	795.5	Outer_Full	21.17	/	/	19.12	/	/	<=34.77	Pass
		Inner_Full	22.61	/	/	20.56	/	/	<=34.77	Pass
		Inner_1RB_Left	22.72	/	/	20.67	/	/	<=34.77	Pass
		Inner_1RB_Right	22.59	/	/	20.54	/	/	<=34.77	Pass
CP-OFDM 16 QAM	790.5	Outer_Full	21.11	/	/	19.06	/	/	<=34.77	Pass
		Inner_Full	21.99	/	/	19.94	/	/	<=34.77	Pass
		Inner_1RB_Left	22.27	/	/	20.22	/	/	<=34.77	Pass
		Inner_1RB_Right	22.14	/	/	20.09	/	/	<=34.77	Pass
	793	Outer_Full	21.08	/	/	19.03	/	/	<=34.77	Pass
		Inner_Full	21.89	/	/	19.84	/	/	<=34.77	Pass
		Inner_1RB_Left	22.22	/	/	20.17	/	/	<=34.77	Pass
		Inner_1RB_Right	22.20	/	/	20.15	/	/	<=34.77	Pass
	795.5	Outer_Full	21.15	/	/	19.10	/	/	<=34.77	Pass
		Inner_Full	21.89	/	/	19.84	/	/	<=34.77	Pass
		Inner_1RB_Left	22.18	/	/	20.13	/	/	<=34.77	Pass
		Inner_1RB_Right	22.22	/	/	20.17	/	/	<=34.77	Pass
CP-OFDM 64 QAM	790.5	Outer_Full	20.58	/	/	18.53	/	/	<=34.77	Pass
		Inner_Full	20.60	/	/	18.55	/	/	<=34.77	Pass
		Inner_1RB_Left	20.72	/	/	18.67	/	/	<=34.77	Pass
		Inner_1RB_Right	20.60	/	/	18.55	/	/	<=34.77	Pass
	793	Outer_Full	20.52	/	/	18.47	/	/	<=34.77	Pass
		Inner_Full	20.60	/	/	18.55	/	/	<=34.77	Pass
		Inner_1RB_Left	20.61	/	/	18.56	/	/	<=34.77	Pass
		Inner_1RB_Right	20.59	/	/	18.54	/	/	<=34.77	Pass
	795.5	Outer_Full	20.50	/	/	18.45	/	/	<=34.77	Pass
		Inner_Full	20.56	/	/	18.51	/	/	<=34.77	Pass
		Inner_1RB_Left	20.62	/	/	18.57	/	/	<=34.77	Pass
		Inner_1RB_Right	20.58	/	/	18.53	/	/	<=34.77	Pass
CP-OFDM 256 QAM	790.5	Outer_Full	17.56	/	/	15.51	/	/	<=34.77	Pass
		Inner_Full	17.65	/	/	15.60	/	/	<=34.77	Pass
		Inner_1RB_Left	17.11	/	/	15.06	/	/	<=34.77	Pass
		Inner_1RB_Right	17.08	/	/	15.03	/	/	<=34.77	Pass
	793	Outer_Full	17.57	/	/	15.52	/	/	<=34.77	Pass
		Inner_Full	17.52	/	/	15.47	/	/	<=34.77	Pass
		Inner_1RB_Left	17.10	/	/	15.05	/	/	<=34.77	Pass
		Inner_1RB_Right	17.03	/	/	14.98	/	/	<=34.77	Pass
	795.5	Outer_Full	17.56	/	/	15.51	/	/	<=34.77	Pass
		Inner_Full	17.60	/	/	15.55	/	/	<=34.77	Pass
		Inner_1RB_Left	17.04	/	/	14.99	/	/	<=34.77	Pass
		Inner_1RB_Right	17.02	/	/	14.97	/	/	<=34.77	Pass

Note1: Antenna Gain: Ant1: 0.10dBi;
Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 15_S_10M_NTNV_ERP

5G NR n14 SCS=15kHz SISO 10MHz NTNv										
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	Outer_Full	23.58	/	/	21.53	/	/	<=34.77	Pass
		Inner_Full	24.21	/	/	22.16	/	/	<=34.77	Pass
		Inner_1RB_Left	24.05	/	/	22.00	/	/	<=34.77	Pass
		Inner_1RB_Right	24.17	/	/	22.12	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	793	Outer_Full	23.00	/	/	20.95	/	/	<=34.77	Pass
		Inner_Full	24.14	/	/	22.09	/	/	<=34.77	Pass
		Inner_1RB_Left	24.20	/	/	22.15	/	/	<=34.77	Pass
		Inner_1RB_Right	24.13	/	/	22.08	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	793	Outer_Full	22.09	/	/	20.04	/	/	<=34.77	Pass
		Inner_Full	23.06	/	/	21.01	/	/	<=34.77	Pass
		Inner_1RB_Left	22.95	/	/	20.90	/	/	<=34.77	Pass
		Inner_1RB_Right	23.10	/	/	21.05	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	793	Outer_Full	21.65	/	/	19.60	/	/	<=34.77	Pass
		Inner_Full	21.59	/	/	19.54	/	/	<=34.77	Pass
		Inner_1RB_Left	21.64	/	/	19.59	/	/	<=34.77	Pass
		Inner_1RB_Right	21.67	/	/	19.62	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	793	Outer_Full	19.56	/	/	17.51	/	/	<=34.77	Pass
		Inner_Full	19.53	/	/	17.48	/	/	<=34.77	Pass
		Inner_1RB_Left	18.94	/	/	16.89	/	/	<=34.77	Pass
		Inner_1RB_Right	18.96	/	/	16.91	/	/	<=34.77	Pass
CP-OFDM QPSK	793	Outer_Full	21.15	/	/	19.10	/	/	<=34.77	Pass
		Inner_Full	22.59	/	/	20.54	/	/	<=34.77	Pass
		Inner_1RB_Left	22.61	/	/	20.56	/	/	<=34.77	Pass
		Inner_1RB_Right	22.59	/	/	20.54	/	/	<=34.77	Pass
CP-OFDM 16 QAM	793	Outer_Full	21.13	/	/	19.08	/	/	<=34.77	Pass
		Inner_Full	22.07	/	/	20.02	/	/	<=34.77	Pass
		Inner_1RB_Left	22.05	/	/	20.00	/	/	<=34.77	Pass
		Inner_1RB_Right	22.05	/	/	20.00	/	/	<=34.77	Pass
CP-OFDM 64 QAM	793	Outer_Full	20.53	/	/	18.48	/	/	<=34.77	Pass
		Inner_Full	20.63	/	/	18.58	/	/	<=34.77	Pass
		Inner_1RB_Left	20.50	/	/	18.45	/	/	<=34.77	Pass
		Inner_1RB_Right	20.52	/	/	18.47	/	/	<=34.77	Pass
CP-OFDM 256 QAM	793	Outer_Full	17.50	/	/	15.45	/	/	<=34.77	Pass
		Inner_Full	17.56	/	/	15.51	/	/	<=34.77	Pass
		Inner_1RB_Left	17.16	/	/	15.11	/	/	<=34.77	Pass
		Inner_1RB_Right	17.17	/	/	15.12	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: 0.10dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										