

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 30k_SISO_10MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2575	Outer_Full	25.90	/	/	28.50	/	/	<=33	Pass
		Inner_Full	26.41	/	/	29.01	/	/	<=33	Pass
		Inner_1RB_Left	26.45	/	/	29.05	/	/	<=33	Pass
		Inner_1RB_Right	26.41	/	/	29.01	/	/	<=33	Pass
	2595	Outer_Full	25.72	/	/	28.32	/	/	<=33	Pass
		Inner_Full	26.25	/	/	28.85	/	/	<=33	Pass
		Inner_1RB_Left	26.23	/	/	28.83	/	/	<=33	Pass
		Inner_1RB_Right	26.24	/	/	28.84	/	/	<=33	Pass
	2615	Outer_Full	25.65	/	/	28.25	/	/	<=33	Pass
		Inner_Full	26.14	/	/	28.74	/	/	<=33	Pass
		Inner_1RB_Left	26.20	/	/	28.80	/	/	<=33	Pass
		Inner_1RB_Right	26.20	/	/	28.80	/	/	<=33	Pass
DFT-s-OFDM QPSK	2575	Outer_Full	25.40	/	/	28.00	/	/	<=33	Pass
		Inner_Full	26.41	/	/	29.01	/	/	<=33	Pass
		Inner_1RB_Left	26.46	/	/	29.06	/	/	<=33	Pass
		Inner_1RB_Right	26.39	/	/	28.99	/	/	<=33	Pass
	2595	Outer_Full	25.28	/	/	27.88	/	/	<=33	Pass
		Inner_Full	26.24	/	/	28.84	/	/	<=33	Pass
		Inner_1RB_Left	26.25	/	/	28.85	/	/	<=33	Pass
		Inner_1RB_Right	26.24	/	/	28.84	/	/	<=33	Pass
	2615	Outer_Full	25.26	/	/	27.86	/	/	<=33	Pass
		Inner_Full	26.18	/	/	28.78	/	/	<=33	Pass
		Inner_1RB_Left	26.15	/	/	28.75	/	/	<=33	Pass
		Inner_1RB_Right	26.24	/	/	28.84	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2575	Outer_Full	24.38	/	/	26.98	/	/	<=33	Pass
		Inner_Full	25.33	/	/	27.93	/	/	<=33	Pass
		Inner_1RB_Left	25.26	/	/	27.86	/	/	<=33	Pass
		Inner_1RB_Right	25.24	/	/	27.84	/	/	<=33	Pass
	2595	Outer_Full	24.22	/	/	26.82	/	/	<=33	Pass
		Inner_Full	25.21	/	/	27.81	/	/	<=33	Pass
		Inner_1RB_Left	25.18	/	/	27.78	/	/	<=33	Pass
		Inner_1RB_Right	25.07	/	/	27.67	/	/	<=33	Pass
	2615	Outer_Full	24.18	/	/	26.78	/	/	<=33	Pass
		Inner_Full	25.19	/	/	27.79	/	/	<=33	Pass
		Inner_1RB_Left	25.00	/	/	27.60	/	/	<=33	Pass
		Inner_1RB_Right	25.05	/	/	27.65	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2575	Outer_Full	23.85	/	/	26.45	/	/	<=33	Pass
		Inner_Full	23.87	/	/	26.47	/	/	<=33	Pass
		Inner_1RB_Left	23.75	/	/	26.35	/	/	<=33	Pass
		Inner_1RB_Right	23.85	/	/	26.45	/	/	<=33	Pass
	2595	Outer_Full	23.67	/	/	26.27	/	/	<=33	Pass
		Inner_Full	23.71	/	/	26.31	/	/	<=33	Pass
		Inner_1RB_Left	23.67	/	/	26.27	/	/	<=33	Pass
		Inner_1RB_Right	23.69	/	/	26.29	/	/	<=33	Pass
	2615	Outer_Full	23.65	/	/	26.25	/	/	<=33	Pass
		Inner_Full	23.67	/	/	26.27	/	/	<=33	Pass
		Inner_1RB_Left	23.57	/	/	26.17	/	/	<=33	Pass
		Inner_1RB_Right	23.65	/	/	26.25	/	/	<=33	Pass
DFT-s-OFDM 256	2575	Outer_Full	21.73	/	/	24.33	/	/	<=33	Pass

QAM		Inner Full	22.02	/	/	24.62	/	/	<=33	Pass
		Inner 1RB Left	21.65	/	/	24.25	/	/	<=33	Pass
		Inner 1RB Right	21.68	/	/	24.28	/	/	<=33	Pass
	2595	Outer Full	21.64	/	/	24.24	/	/	<=33	Pass
		Inner Full	21.75	/	/	24.35	/	/	<=33	Pass
		Inner 1RB Left	21.59	/	/	24.19	/	/	<=33	Pass
		Inner 1RB Right	21.56	/	/	24.16	/	/	<=33	Pass
	2615	Outer Full	21.51	/	/	24.11	/	/	<=33	Pass
		Inner Full	21.76	/	/	24.36	/	/	<=33	Pass
		Inner 1RB Left	21.35	/	/	23.95	/	/	<=33	Pass
		Inner 1RB Right	21.64	/	/	24.24	/	/	<=33	Pass
CP-OFDM QPSK	2575	Outer Full	23.37	/	/	25.97	/	/	<=33	Pass
		Inner Full	24.92	/	/	27.52	/	/	<=33	Pass
		Inner 1RB Left	24.71	/	/	27.31	/	/	<=33	Pass
		Inner 1RB Right	24.89	/	/	27.49	/	/	<=33	Pass
	2595	Outer Full	23.19	/	/	25.79	/	/	<=33	Pass
		Inner Full	24.88	/	/	27.48	/	/	<=33	Pass
		Inner 1RB Left	24.75	/	/	27.35	/	/	<=33	Pass
		Inner 1RB Right	24.73	/	/	27.33	/	/	<=33	Pass
	2615	Outer Full	23.14	/	/	25.74	/	/	<=33	Pass
		Inner Full	24.72	/	/	27.32	/	/	<=33	Pass
		Inner 1RB Left	24.68	/	/	27.28	/	/	<=33	Pass
		Inner 1RB Right	24.61	/	/	27.21	/	/	<=33	Pass
CP-OFDM 16 QAM	2575	Outer Full	23.31	/	/	25.91	/	/	<=33	Pass
		Inner Full	24.47	/	/	27.07	/	/	<=33	Pass
		Inner 1RB Left	24.25	/	/	26.85	/	/	<=33	Pass
		Inner 1RB Right	24.35	/	/	26.95	/	/	<=33	Pass
	2595	Outer Full	23.28	/	/	25.88	/	/	<=33	Pass
		Inner Full	24.40	/	/	27.00	/	/	<=33	Pass
		Inner 1RB Left	24.25	/	/	26.85	/	/	<=33	Pass
		Inner 1RB Right	24.20	/	/	26.80	/	/	<=33	Pass
	2615	Outer Full	23.18	/	/	25.78	/	/	<=33	Pass
		Inner Full	24.31	/	/	26.91	/	/	<=33	Pass
		Inner 1RB Left	24.14	/	/	26.74	/	/	<=33	Pass
		Inner 1RB Right	24.08	/	/	26.68	/	/	<=33	Pass
CP-OFDM 64 QAM	2575	Outer Full	22.84	/	/	25.44	/	/	<=33	Pass
		Inner Full	22.82	/	/	25.42	/	/	<=33	Pass
		Inner 1RB Left	22.79	/	/	25.39	/	/	<=33	Pass
		Inner 1RB Right	22.95	/	/	25.55	/	/	<=33	Pass
	2595	Outer Full	22.63	/	/	25.23	/	/	<=33	Pass
		Inner Full	22.65	/	/	25.25	/	/	<=33	Pass
		Inner 1RB Left	22.65	/	/	25.25	/	/	<=33	Pass
		Inner 1RB Right	22.78	/	/	25.38	/	/	<=33	Pass
	2615	Outer Full	22.64	/	/	25.24	/	/	<=33	Pass
		Inner Full	22.66	/	/	25.26	/	/	<=33	Pass
		Inner 1RB Left	22.55	/	/	25.15	/	/	<=33	Pass
		Inner 1RB Right	22.70	/	/	25.30	/	/	<=33	Pass
CP-OFDM 256 QAM	2575	Outer Full	19.64	/	/	22.24	/	/	<=33	Pass
		Inner Full	19.75	/	/	22.35	/	/	<=33	Pass
		Inner 1RB Left	19.69	/	/	22.29	/	/	<=33	Pass
		Inner 1RB Right	19.71	/	/	22.31	/	/	<=33	Pass
	2595	Outer Full	19.50	/	/	22.10	/	/	<=33	Pass
		Inner Full	19.67	/	/	22.27	/	/	<=33	Pass
		Inner 1RB Left	19.56	/	/	22.16	/	/	<=33	Pass
		Inner 1RB Right	19.66	/	/	22.26	/	/	<=33	Pass
	2615	Outer Full	19.50	/	/	22.10	/	/	<=33	Pass
		Inner Full	19.65	/	/	22.25	/	/	<=33	Pass
		Inner 1RB Left	19.43	/	/	22.03	/	/	<=33	Pass
		Inner 1RB Right	19.59	/	/	22.19	/	/	<=33	Pass

Note1: Antenna Gain: Ant1: 2.60dBi; Ant2: 2.60dBi;
 Note2: EIRP=Conducted Power+Antenna Gain

1.1.2 30k_SISO_15MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2577.5	Outer_Full	25.85	/	/	28.45	/	/	<=33	Pass
		Inner_Full	26.36	/	/	28.96	/	/	<=33	Pass
		Inner_1RB_Left	26.29	/	/	28.89	/	/	<=33	Pass
		Inner_1RB_Right	26.28	/	/	28.88	/	/	<=33	Pass
	2595	Outer_Full	25.80	/	/	28.40	/	/	<=33	Pass
		Inner_Full	26.23	/	/	28.83	/	/	<=33	Pass
		Inner_1RB_Left	26.22	/	/	28.82	/	/	<=33	Pass
		Inner_1RB_Right	26.36	/	/	28.96	/	/	<=33	Pass
	2612.5	Outer_Full	25.68	/	/	28.28	/	/	<=33	Pass
		Inner_Full	26.25	/	/	28.85	/	/	<=33	Pass
		Inner_1RB_Left	26.13	/	/	28.73	/	/	<=33	Pass
		Inner_1RB_Right	26.18	/	/	28.78	/	/	<=33	Pass
DFT-s-OFDM QPSK	2577.5	Outer_Full	25.30	/	/	27.90	/	/	<=33	Pass
		Inner_Full	26.34	/	/	28.94	/	/	<=33	Pass
		Inner_1RB_Left	26.25	/	/	28.85	/	/	<=33	Pass
		Inner_1RB_Right	26.25	/	/	28.85	/	/	<=33	Pass
	2595	Outer_Full	25.28	/	/	27.88	/	/	<=33	Pass
		Inner_Full	26.25	/	/	28.85	/	/	<=33	Pass
		Inner_1RB_Left	26.17	/	/	28.77	/	/	<=33	Pass
		Inner_1RB_Right	26.26	/	/	28.86	/	/	<=33	Pass
	2612.5	Outer_Full	25.19	/	/	27.79	/	/	<=33	Pass
		Inner_Full	26.14	/	/	28.74	/	/	<=33	Pass
		Inner_1RB_Left	26.14	/	/	28.74	/	/	<=33	Pass
		Inner_1RB_Right	26.12	/	/	28.72	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2577.5	Outer_Full	24.30	/	/	26.90	/	/	<=33	Pass
		Inner_Full	25.31	/	/	27.91	/	/	<=33	Pass
		Inner_1RB_Left	25.24	/	/	27.84	/	/	<=33	Pass
		Inner_1RB_Right	25.16	/	/	27.76	/	/	<=33	Pass
	2595	Outer_Full	24.23	/	/	26.83	/	/	<=33	Pass
		Inner_Full	25.14	/	/	27.74	/	/	<=33	Pass
		Inner_1RB_Left	25.09	/	/	27.69	/	/	<=33	Pass
		Inner_1RB_Right	25.23	/	/	27.83	/	/	<=33	Pass
	2612.5	Outer_Full	24.13	/	/	26.73	/	/	<=33	Pass
		Inner_Full	25.12	/	/	27.72	/	/	<=33	Pass
		Inner_1RB_Left	25.09	/	/	27.69	/	/	<=33	Pass
		Inner_1RB_Right	25.13	/	/	27.73	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2577.5	Outer_Full	23.79	/	/	26.39	/	/	<=33	Pass
		Inner_Full	23.82	/	/	26.42	/	/	<=33	Pass
		Inner_1RB_Left	23.71	/	/	26.31	/	/	<=33	Pass
		Inner_1RB_Right	23.71	/	/	26.31	/	/	<=33	Pass
	2595	Outer_Full	23.71	/	/	26.31	/	/	<=33	Pass
		Inner_Full	23.78	/	/	26.38	/	/	<=33	Pass
		Inner_1RB_Left	23.64	/	/	26.24	/	/	<=33	Pass
		Inner_1RB_Right	23.76	/	/	26.36	/	/	<=33	Pass
	2612.5	Outer_Full	23.71	/	/	26.31	/	/	<=33	Pass
		Inner_Full	23.73	/	/	26.33	/	/	<=33	Pass
		Inner_1RB_Left	23.58	/	/	26.18	/	/	<=33	Pass
		Inner_1RB_Right	23.71	/	/	26.31	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2577.5	Outer_Full	21.74	/	/	24.34	/	/	<=33	Pass
		Inner_Full	21.78	/	/	24.38	/	/	<=33	Pass

		Inner 1RB Left	21.45	/	/	24.05	/	/	<=33	Pass
		Inner 1RB Right	21.55	/	/	24.15	/	/	<=33	Pass
	2595	Outer Full	21.75	/	/	24.35	/	/	<=33	Pass
		Inner Full	21.68	/	/	24.28	/	/	<=33	Pass
		Inner 1RB Left	21.42	/	/	24.02	/	/	<=33	Pass
		Inner 1RB Right	21.59	/	/	24.19	/	/	<=33	Pass
	2612.5	Outer Full	21.66	/	/	24.26	/	/	<=33	Pass
		Inner Full	21.57	/	/	24.17	/	/	<=33	Pass
		Inner 1RB Left	21.54	/	/	24.14	/	/	<=33	Pass
		Inner 1RB Right	21.46	/	/	24.06	/	/	<=33	Pass
CP-OFDM QPSK	2577.5	Outer Full	23.33	/	/	25.93	/	/	<=33	Pass
		Inner Full	24.80	/	/	27.40	/	/	<=33	Pass
		Inner 1RB Left	24.80	/	/	27.40	/	/	<=33	Pass
		Inner 1RB Right	24.78	/	/	27.38	/	/	<=33	Pass
	2595	Outer Full	23.26	/	/	25.86	/	/	<=33	Pass
		Inner Full	24.73	/	/	27.33	/	/	<=33	Pass
		Inner 1RB Left	24.58	/	/	27.18	/	/	<=33	Pass
		Inner 1RB Right	24.79	/	/	27.39	/	/	<=33	Pass
	2612.5	Outer Full	23.19	/	/	25.79	/	/	<=33	Pass
		Inner Full	24.70	/	/	27.30	/	/	<=33	Pass
		Inner 1RB Left	24.57	/	/	27.17	/	/	<=33	Pass
		Inner 1RB Right	24.65	/	/	27.25	/	/	<=33	Pass
CP-OFDM 16 QAM	2577.5	Outer Full	23.35	/	/	25.95	/	/	<=33	Pass
		Inner Full	24.30	/	/	26.90	/	/	<=33	Pass
		Inner 1RB Left	24.26	/	/	26.86	/	/	<=33	Pass
		Inner 1RB Right	24.30	/	/	26.90	/	/	<=33	Pass
	2595	Outer Full	23.30	/	/	25.90	/	/	<=33	Pass
		Inner Full	24.20	/	/	26.80	/	/	<=33	Pass
		Inner 1RB Left	24.28	/	/	26.88	/	/	<=33	Pass
		Inner 1RB Right	24.31	/	/	26.91	/	/	<=33	Pass
	2612.5	Outer Full	23.16	/	/	25.76	/	/	<=33	Pass
		Inner Full	24.22	/	/	26.82	/	/	<=33	Pass
		Inner 1RB Left	24.12	/	/	26.72	/	/	<=33	Pass
		Inner 1RB Right	24.10	/	/	26.70	/	/	<=33	Pass
CP-OFDM 64 QAM	2577.5	Outer Full	22.80	/	/	25.40	/	/	<=33	Pass
		Inner Full	22.80	/	/	25.40	/	/	<=33	Pass
		Inner 1RB Left	22.68	/	/	25.28	/	/	<=33	Pass
		Inner 1RB Right	22.76	/	/	25.36	/	/	<=33	Pass
	2595	Outer Full	22.69	/	/	25.29	/	/	<=33	Pass
		Inner Full	22.73	/	/	25.33	/	/	<=33	Pass
		Inner 1RB Left	22.76	/	/	25.36	/	/	<=33	Pass
		Inner 1RB Right	22.69	/	/	25.29	/	/	<=33	Pass
	2612.5	Outer Full	22.65	/	/	25.25	/	/	<=33	Pass
		Inner Full	22.66	/	/	25.26	/	/	<=33	Pass
		Inner 1RB Left	22.67	/	/	25.27	/	/	<=33	Pass
		Inner 1RB Right	22.65	/	/	25.25	/	/	<=33	Pass
CP-OFDM 256 QAM	2577.5	Outer Full	19.67	/	/	22.27	/	/	<=33	Pass
		Inner Full	19.68	/	/	22.28	/	/	<=33	Pass
		Inner 1RB Left	19.67	/	/	22.27	/	/	<=33	Pass
		Inner 1RB Right	19.72	/	/	22.32	/	/	<=33	Pass
	2595	Outer Full	19.69	/	/	22.29	/	/	<=33	Pass
		Inner Full	19.59	/	/	22.19	/	/	<=33	Pass
		Inner 1RB Left	19.62	/	/	22.22	/	/	<=33	Pass
		Inner 1RB Right	19.75	/	/	22.35	/	/	<=33	Pass
	2612.5	Outer Full	19.63	/	/	22.23	/	/	<=33	Pass
		Inner Full	19.50	/	/	22.10	/	/	<=33	Pass
		Inner 1RB Left	19.66	/	/	22.26	/	/	<=33	Pass
		Inner 1RB Right	19.64	/	/	22.24	/	/	<=33	Pass

Note1: Antenna Gain: Ant1: 2.60dBi; Ant2: 2.60dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.1.3 30k_SISO_20MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2580	Outer_Full	25.80	/	/	28.40	/	/	<=33	Pass
		Inner_Full	26.32	/	/	28.92	/	/	<=33	Pass
		Inner_1RB_Left	26.26	/	/	28.86	/	/	<=33	Pass
		Inner_1RB_Right	26.25	/	/	28.85	/	/	<=33	Pass
	2595	Outer_Full	25.74	/	/	28.34	/	/	<=33	Pass
		Inner_Full	26.24	/	/	28.84	/	/	<=33	Pass
		Inner_1RB_Left	26.26	/	/	28.86	/	/	<=33	Pass
		Inner_1RB_Right	26.35	/	/	28.95	/	/	<=33	Pass
	2610	Outer_Full	25.71	/	/	28.31	/	/	<=33	Pass
		Inner_Full	26.21	/	/	28.81	/	/	<=33	Pass
		Inner_1RB_Left	26.17	/	/	28.77	/	/	<=33	Pass
		Inner_1RB_Right	26.18	/	/	28.78	/	/	<=33	Pass
DFT-s-OFDM QPSK	2580	Outer_Full	25.23	/	/	27.83	/	/	<=33	Pass
		Inner_Full	26.36	/	/	28.96	/	/	<=33	Pass
		Inner_1RB_Left	26.33	/	/	28.93	/	/	<=33	Pass
		Inner_1RB_Right	26.29	/	/	28.89	/	/	<=33	Pass
	2595	Outer_Full	25.21	/	/	27.81	/	/	<=33	Pass
		Inner_Full	26.28	/	/	28.88	/	/	<=33	Pass
		Inner_1RB_Left	26.31	/	/	28.91	/	/	<=33	Pass
		Inner_1RB_Right	26.26	/	/	28.86	/	/	<=33	Pass
	2610	Outer_Full	25.15	/	/	27.75	/	/	<=33	Pass
		Inner_Full	26.20	/	/	28.80	/	/	<=33	Pass
		Inner_1RB_Left	26.13	/	/	28.73	/	/	<=33	Pass
		Inner_1RB_Right	26.13	/	/	28.73	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2580	Outer_Full	24.27	/	/	26.87	/	/	<=33	Pass
		Inner_Full	25.37	/	/	27.97	/	/	<=33	Pass
		Inner_1RB_Left	25.22	/	/	27.82	/	/	<=33	Pass
		Inner_1RB_Right	25.16	/	/	27.76	/	/	<=33	Pass
	2595	Outer_Full	24.26	/	/	26.86	/	/	<=33	Pass
		Inner_Full	25.30	/	/	27.90	/	/	<=33	Pass
		Inner_1RB_Left	25.24	/	/	27.84	/	/	<=33	Pass
		Inner_1RB_Right	25.22	/	/	27.82	/	/	<=33	Pass
	2610	Outer_Full	24.18	/	/	26.78	/	/	<=33	Pass
		Inner_Full	25.21	/	/	27.81	/	/	<=33	Pass
		Inner_1RB_Left	25.08	/	/	27.68	/	/	<=33	Pass
		Inner_1RB_Right	25.12	/	/	27.72	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2580	Outer_Full	23.76	/	/	26.36	/	/	<=33	Pass
		Inner_Full	23.77	/	/	26.37	/	/	<=33	Pass
		Inner_1RB_Left	23.53	/	/	26.13	/	/	<=33	Pass
		Inner_1RB_Right	23.59	/	/	26.19	/	/	<=33	Pass
	2595	Outer_Full	23.69	/	/	26.29	/	/	<=33	Pass
		Inner_Full	23.74	/	/	26.34	/	/	<=33	Pass
		Inner_1RB_Left	23.68	/	/	26.28	/	/	<=33	Pass
		Inner_1RB_Right	23.79	/	/	26.39	/	/	<=33	Pass
	2610	Outer_Full	23.67	/	/	26.27	/	/	<=33	Pass
		Inner_Full	23.67	/	/	26.27	/	/	<=33	Pass
		Inner_1RB_Left	23.55	/	/	26.15	/	/	<=33	Pass
		Inner_1RB_Right	23.63	/	/	26.23	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2580	Outer_Full	21.72	/	/	24.32	/	/	<=33	Pass
		Inner_Full	21.74	/	/	24.34	/	/	<=33	Pass

		Inner_1RB_Left	21.49	/	/	24.09	/	/	<=33	Pass		
		Inner_1RB_Right	21.46	/	/	24.06	/	/	<=33	Pass		
	2595	Outer_Full	21.71	/	/	24.31	/	/	<=33	Pass		
		Inner_Full	21.67	/	/	24.27	/	/	<=33	Pass		
		Inner_1RB_Left	21.40	/	/	24.00	/	/	<=33	Pass		
		Inner_1RB_Right	21.63	/	/	24.23	/	/	<=33	Pass		
		Outer_Full	21.61	/	/	24.21	/	/	<=33	Pass		
		Inner_Full	21.59	/	/	24.19	/	/	<=33	Pass		
	2610	Inner_1RB_Left	21.38	/	/	23.98	/	/	<=33	Pass		
		Inner_1RB_Right	21.40	/	/	24.00	/	/	<=33	Pass		
		CP-OFDM QPSK	2580	Outer_Full	23.21	/	/	25.81	/	/	<=33	Pass
				Inner_Full	24.82	/	/	27.42	/	/	<=33	Pass
Inner_1RB_Left	24.74			/	/	27.34	/	/	<=33	Pass		
Inner_1RB_Right	24.72			/	/	27.32	/	/	<=33	Pass		
2595	Outer_Full		23.22	/	/	25.82	/	/	<=33	Pass		
	Inner_Full		24.73	/	/	27.33	/	/	<=33	Pass		
	Inner_1RB_Left		24.72	/	/	27.32	/	/	<=33	Pass		
	Inner_1RB_Right		24.80	/	/	27.40	/	/	<=33	Pass		
2610	Outer_Full		23.07	/	/	25.67	/	/	<=33	Pass		
	Inner_Full		24.68	/	/	27.28	/	/	<=33	Pass		
	Inner_1RB_Left		24.67	/	/	27.27	/	/	<=33	Pass		
	Inner_1RB_Right		24.71	/	/	27.31	/	/	<=33	Pass		
CP-OFDM 16 QAM	2580	Outer_Full	23.22	/	/	25.82	/	/	<=33	Pass		
		Inner_Full	24.34	/	/	26.94	/	/	<=33	Pass		
		Inner_1RB_Left	24.21	/	/	26.81	/	/	<=33	Pass		
		Inner_1RB_Right	24.18	/	/	26.78	/	/	<=33	Pass		
	2595	Outer_Full	23.27	/	/	25.87	/	/	<=33	Pass		
		Inner_Full	24.27	/	/	26.87	/	/	<=33	Pass		
		Inner_1RB_Left	24.18	/	/	26.78	/	/	<=33	Pass		
		Inner_1RB_Right	24.22	/	/	26.82	/	/	<=33	Pass		
	2610	Outer_Full	23.15	/	/	25.75	/	/	<=33	Pass		
		Inner_Full	24.24	/	/	26.84	/	/	<=33	Pass		
		Inner_1RB_Left	24.16	/	/	26.76	/	/	<=33	Pass		
		Inner_1RB_Right	24.19	/	/	26.79	/	/	<=33	Pass		
CP-OFDM 64 QAM	2580	Outer_Full	22.69	/	/	25.29	/	/	<=33	Pass		
		Inner_Full	22.78	/	/	25.38	/	/	<=33	Pass		
		Inner_1RB_Left	22.59	/	/	25.19	/	/	<=33	Pass		
		Inner_1RB_Right	22.53	/	/	25.13	/	/	<=33	Pass		
	2595	Outer_Full	22.75	/	/	25.35	/	/	<=33	Pass		
		Inner_Full	22.80	/	/	25.40	/	/	<=33	Pass		
		Inner_1RB_Left	22.68	/	/	25.28	/	/	<=33	Pass		
		Inner_1RB_Right	22.77	/	/	25.37	/	/	<=33	Pass		
	2610	Outer_Full	22.63	/	/	25.23	/	/	<=33	Pass		
		Inner_Full	22.72	/	/	25.32	/	/	<=33	Pass		
		Inner_1RB_Left	22.61	/	/	25.21	/	/	<=33	Pass		
		Inner_1RB_Right	22.60	/	/	25.20	/	/	<=33	Pass		
CP-OFDM 256 QAM	2580	Outer_Full	19.77	/	/	22.37	/	/	<=33	Pass		
		Inner_Full	19.64	/	/	22.24	/	/	<=33	Pass		
		Inner_1RB_Left	19.51	/	/	22.11	/	/	<=33	Pass		
		Inner_1RB_Right	19.49	/	/	22.09	/	/	<=33	Pass		
	2595	Outer_Full	19.75	/	/	22.35	/	/	<=33	Pass		
		Inner_Full	19.60	/	/	22.20	/	/	<=33	Pass		
		Inner_1RB_Left	19.56	/	/	22.16	/	/	<=33	Pass		
		Inner_1RB_Right	19.71	/	/	22.31	/	/	<=33	Pass		
	2610	Outer_Full	19.59	/	/	22.19	/	/	<=33	Pass		
		Inner_Full	19.59	/	/	22.19	/	/	<=33	Pass		
		Inner_1RB_Left	19.56	/	/	22.16	/	/	<=33	Pass		
		Inner_1RB_Right	19.62	/	/	22.22	/	/	<=33	Pass		
Note1: Antenna Gain: Ant1: 2.60dBi: Ant2: 2.60dBi:												

Note2: EIRP=Conducted Power+Antenna Gain
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1.1.4 30k_SISO_25MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 25MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2582.5	Outer_Full	25.73	/	/	28.33	/	/	<=33	Pass
		Inner_Full	26.23	/	/	28.83	/	/	<=33	Pass
		Inner_1RB_Left	26.26	/	/	28.86	/	/	<=33	Pass
		Inner_1RB_Right	26.19	/	/	28.79	/	/	<=33	Pass
	2595	Outer_Full	25.76	/	/	28.36	/	/	<=33	Pass
		Inner_Full	26.16	/	/	28.76	/	/	<=33	Pass
		Inner_1RB_Left	26.23	/	/	28.83	/	/	<=33	Pass
		Inner_1RB_Right	26.23	/	/	28.83	/	/	<=33	Pass
	2607.5	Outer_Full	25.72	/	/	28.32	/	/	<=33	Pass
		Inner_Full	26.16	/	/	28.76	/	/	<=33	Pass
		Inner_1RB_Left	26.10	/	/	28.70	/	/	<=33	Pass
		Inner_1RB_Right	26.22	/	/	28.82	/	/	<=33	Pass
DFT-s-OFDM QPSK	2582.5	Outer_Full	25.23	/	/	27.83	/	/	<=33	Pass
		Inner_Full	26.14	/	/	28.74	/	/	<=33	Pass
		Inner_1RB_Left	26.12	/	/	28.72	/	/	<=33	Pass
		Inner_1RB_Right	26.17	/	/	28.77	/	/	<=33	Pass
	2595	Outer_Full	25.21	/	/	27.81	/	/	<=33	Pass
		Inner_Full	26.14	/	/	28.74	/	/	<=33	Pass
		Inner_1RB_Left	26.17	/	/	28.77	/	/	<=33	Pass
		Inner_1RB_Right	26.22	/	/	28.82	/	/	<=33	Pass
	2607.5	Outer_Full	25.19	/	/	27.79	/	/	<=33	Pass
		Inner_Full	26.16	/	/	28.76	/	/	<=33	Pass
		Inner_1RB_Left	26.02	/	/	28.62	/	/	<=33	Pass
		Inner_1RB_Right	26.21	/	/	28.81	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2582.5	Outer_Full	24.22	/	/	26.82	/	/	<=33	Pass
		Inner_Full	25.19	/	/	27.79	/	/	<=33	Pass
		Inner_1RB_Left	25.10	/	/	27.70	/	/	<=33	Pass
		Inner_1RB_Right	25.09	/	/	27.69	/	/	<=33	Pass
	2595	Outer_Full	24.20	/	/	26.80	/	/	<=33	Pass
		Inner_Full	25.17	/	/	27.77	/	/	<=33	Pass
		Inner_1RB_Left	25.16	/	/	27.76	/	/	<=33	Pass
		Inner_1RB_Right	25.20	/	/	27.80	/	/	<=33	Pass
	2607.5	Outer_Full	24.15	/	/	26.75	/	/	<=33	Pass
		Inner_Full	25.20	/	/	27.80	/	/	<=33	Pass
		Inner_1RB_Left	25.03	/	/	27.63	/	/	<=33	Pass
		Inner_1RB_Right	25.18	/	/	27.78	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2582.5	Outer_Full	23.64	/	/	26.24	/	/	<=33	Pass
		Inner_Full	23.66	/	/	26.26	/	/	<=33	Pass
		Inner_1RB_Left	23.60	/	/	26.20	/	/	<=33	Pass
		Inner_1RB_Right	23.65	/	/	26.25	/	/	<=33	Pass
	2595	Outer_Full	23.65	/	/	26.25	/	/	<=33	Pass
		Inner_Full	23.64	/	/	26.24	/	/	<=33	Pass
		Inner_1RB_Left	23.58	/	/	26.18	/	/	<=33	Pass
		Inner_1RB_Right	23.84	/	/	26.44	/	/	<=33	Pass
	2607.5	Outer_Full	23.61	/	/	26.21	/	/	<=33	Pass
		Inner_Full	23.66	/	/	26.26	/	/	<=33	Pass
		Inner_1RB_Left	23.61	/	/	26.21	/	/	<=33	Pass
		Inner_1RB_Right	23.88	/	/	26.48	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2582.5	Outer_Full	21.63	/	/	24.23	/	/	<=33	Pass
		Inner_Full	21.65	/	/	24.25	/	/	<=33	Pass

		Inner 1RB Left	21.41	/	/	24.01	/	/	<=33	Pass
		Inner 1RB Right	21.50	/	/	24.10	/	/	<=33	Pass
	2595	Outer Full	21.61	/	/	24.21	/	/	<=33	Pass
		Inner Full	21.62	/	/	24.22	/	/	<=33	Pass
		Inner 1RB Left	21.51	/	/	24.11	/	/	<=33	Pass
		Inner 1RB Right	21.61	/	/	24.21	/	/	<=33	Pass
	2607.5	Outer Full	21.62	/	/	24.22	/	/	<=33	Pass
		Inner Full	21.63	/	/	24.23	/	/	<=33	Pass
		Inner 1RB Left	21.36	/	/	23.96	/	/	<=33	Pass
		Inner 1RB Right	21.49	/	/	24.09	/	/	<=33	Pass
CP-OFDM QPSK	2582.5	Outer Full	23.10	/	/	25.70	/	/	<=33	Pass
		Inner Full	24.64	/	/	27.24	/	/	<=33	Pass
		Inner 1RB Left	24.66	/	/	27.26	/	/	<=33	Pass
		Inner 1RB Right	24.73	/	/	27.33	/	/	<=33	Pass
	2595	Outer Full	23.18	/	/	25.78	/	/	<=33	Pass
		Inner Full	24.67	/	/	27.27	/	/	<=33	Pass
		Inner 1RB Left	24.85	/	/	27.45	/	/	<=33	Pass
		Inner 1RB Right	24.71	/	/	27.31	/	/	<=33	Pass
	2607.5	Outer Full	23.11	/	/	25.71	/	/	<=33	Pass
		Inner Full	24.64	/	/	27.24	/	/	<=33	Pass
		Inner 1RB Left	24.67	/	/	27.27	/	/	<=33	Pass
		Inner 1RB Right	24.77	/	/	27.37	/	/	<=33	Pass
CP-OFDM 16 QAM	2582.5	Outer Full	23.16	/	/	25.76	/	/	<=33	Pass
		Inner Full	24.17	/	/	26.77	/	/	<=33	Pass
		Inner 1RB Left	24.16	/	/	26.76	/	/	<=33	Pass
		Inner 1RB Right	24.17	/	/	26.77	/	/	<=33	Pass
	2595	Outer Full	23.21	/	/	25.81	/	/	<=33	Pass
		Inner Full	24.16	/	/	26.76	/	/	<=33	Pass
		Inner 1RB Left	24.22	/	/	26.82	/	/	<=33	Pass
		Inner 1RB Right	24.22	/	/	26.82	/	/	<=33	Pass
	2607.5	Outer Full	23.13	/	/	25.73	/	/	<=33	Pass
		Inner Full	24.18	/	/	26.78	/	/	<=33	Pass
		Inner 1RB Left	24.16	/	/	26.76	/	/	<=33	Pass
		Inner 1RB Right	24.10	/	/	26.70	/	/	<=33	Pass
CP-OFDM 64 QAM	2582.5	Outer Full	22.72	/	/	25.32	/	/	<=33	Pass
		Inner Full	22.73	/	/	25.33	/	/	<=33	Pass
		Inner 1RB Left	22.64	/	/	25.24	/	/	<=33	Pass
		Inner 1RB Right	22.69	/	/	25.29	/	/	<=33	Pass
	2595	Outer Full	22.75	/	/	25.35	/	/	<=33	Pass
		Inner Full	22.70	/	/	25.30	/	/	<=33	Pass
		Inner 1RB Left	22.65	/	/	25.25	/	/	<=33	Pass
		Inner 1RB Right	22.81	/	/	25.41	/	/	<=33	Pass
	2607.5	Outer Full	22.70	/	/	25.30	/	/	<=33	Pass
		Inner Full	22.69	/	/	25.29	/	/	<=33	Pass
		Inner 1RB Left	22.66	/	/	25.26	/	/	<=33	Pass
		Inner 1RB Right	22.76	/	/	25.36	/	/	<=33	Pass
CP-OFDM 256 QAM	2582.5	Outer Full	19.63	/	/	22.23	/	/	<=33	Pass
		Inner Full	19.62	/	/	22.22	/	/	<=33	Pass
		Inner 1RB Left	19.66	/	/	22.26	/	/	<=33	Pass
		Inner 1RB Right	19.72	/	/	22.32	/	/	<=33	Pass
	2595	Outer Full	19.66	/	/	22.26	/	/	<=33	Pass
		Inner Full	19.61	/	/	22.21	/	/	<=33	Pass
		Inner 1RB Left	19.71	/	/	22.31	/	/	<=33	Pass
		Inner 1RB Right	19.82	/	/	22.42	/	/	<=33	Pass
	2607.5	Outer Full	19.62	/	/	22.22	/	/	<=33	Pass
		Inner Full	19.65	/	/	22.25	/	/	<=33	Pass
		Inner 1RB Left	19.75	/	/	22.35	/	/	<=33	Pass
		Inner 1RB Right	19.77	/	/	22.37	/	/	<=33	Pass

Note1: Antenna Gain: Ant1: 2.60dBi; Ant2: 2.60dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.1.5 30k_SISO_30MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2585	Outer_Full	25.79	/	/	28.39	/	/	<=33	Pass
		Inner_Full	26.29	/	/	28.89	/	/	<=33	Pass
		Inner_1RB_Left	26.25	/	/	28.85	/	/	<=33	Pass
		Inner_1RB_Right	26.36	/	/	28.96	/	/	<=33	Pass
	2595	Outer_Full	25.81	/	/	28.41	/	/	<=33	Pass
		Inner_Full	26.28	/	/	28.88	/	/	<=33	Pass
		Inner_1RB_Left	26.25	/	/	28.85	/	/	<=33	Pass
		Inner_1RB_Right	26.32	/	/	28.92	/	/	<=33	Pass
	2605	Outer_Full	25.76	/	/	28.36	/	/	<=33	Pass
		Inner_Full	26.28	/	/	28.88	/	/	<=33	Pass
		Inner_1RB_Left	26.10	/	/	28.70	/	/	<=33	Pass
		Inner_1RB_Right	26.28	/	/	28.88	/	/	<=33	Pass
DFT-s-OFDM QPSK	2585	Outer_Full	25.30	/	/	27.90	/	/	<=33	Pass
		Inner_Full	26.30	/	/	28.90	/	/	<=33	Pass
		Inner_1RB_Left	26.20	/	/	28.80	/	/	<=33	Pass
		Inner_1RB_Right	26.36	/	/	28.96	/	/	<=33	Pass
	2595	Outer_Full	25.26	/	/	27.86	/	/	<=33	Pass
		Inner_Full	26.21	/	/	28.81	/	/	<=33	Pass
		Inner_1RB_Left	26.24	/	/	28.84	/	/	<=33	Pass
		Inner_1RB_Right	26.29	/	/	28.89	/	/	<=33	Pass
	2605	Outer_Full	25.27	/	/	27.87	/	/	<=33	Pass
		Inner_Full	26.23	/	/	28.83	/	/	<=33	Pass
		Inner_1RB_Left	26.12	/	/	28.72	/	/	<=33	Pass
		Inner_1RB_Right	26.30	/	/	28.90	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2585	Outer_Full	24.26	/	/	26.86	/	/	<=33	Pass
		Inner_Full	25.31	/	/	27.91	/	/	<=33	Pass
		Inner_1RB_Left	25.12	/	/	27.72	/	/	<=33	Pass
		Inner_1RB_Right	25.20	/	/	27.80	/	/	<=33	Pass
	2595	Outer_Full	24.24	/	/	26.84	/	/	<=33	Pass
		Inner_Full	25.27	/	/	27.87	/	/	<=33	Pass
		Inner_1RB_Left	25.17	/	/	27.77	/	/	<=33	Pass
		Inner_1RB_Right	25.21	/	/	27.81	/	/	<=33	Pass
	2605	Outer_Full	24.30	/	/	26.90	/	/	<=33	Pass
		Inner_Full	25.32	/	/	27.92	/	/	<=33	Pass
		Inner_1RB_Left	25.05	/	/	27.65	/	/	<=33	Pass
		Inner_1RB_Right	25.21	/	/	27.81	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2585	Outer_Full	23.72	/	/	26.32	/	/	<=33	Pass
		Inner_Full	23.78	/	/	26.38	/	/	<=33	Pass
		Inner_1RB_Left	23.70	/	/	26.30	/	/	<=33	Pass
		Inner_1RB_Right	23.81	/	/	26.41	/	/	<=33	Pass
	2595	Outer_Full	23.78	/	/	26.38	/	/	<=33	Pass
		Inner_Full	23.70	/	/	26.30	/	/	<=33	Pass
		Inner_1RB_Left	23.68	/	/	26.28	/	/	<=33	Pass
		Inner_1RB_Right	23.73	/	/	26.33	/	/	<=33	Pass
	2605	Outer_Full	23.72	/	/	26.32	/	/	<=33	Pass
		Inner_Full	23.78	/	/	26.38	/	/	<=33	Pass
		Inner_1RB_Left	23.56	/	/	26.16	/	/	<=33	Pass
		Inner_1RB_Right	23.76	/	/	26.36	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2585	Outer_Full	21.79	/	/	24.39	/	/	<=33	Pass
		Inner_Full	21.80	/	/	24.40	/	/	<=33	Pass

Note2: EIRP=Conducted Power+Antenna Gain

1.1.6 30k_SISO_40MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2590	Outer_Full	25.80	/	/	28.40	/	/	<=33	Pass
		Inner_Full	26.27	/	/	28.87	/	/	<=33	Pass
		Inner_1RB_Left	26.27	/	/	28.87	/	/	<=33	Pass
		Inner_1RB_Right	26.32	/	/	28.92	/	/	<=33	Pass
	2595	Outer_Full	25.80	/	/	28.40	/	/	<=33	Pass
		Inner_Full	26.18	/	/	28.78	/	/	<=33	Pass
		Inner_1RB_Left	26.27	/	/	28.87	/	/	<=33	Pass
		Inner_1RB_Right	26.33	/	/	28.93	/	/	<=33	Pass
	2600	Outer_Full	25.84	/	/	28.44	/	/	<=33	Pass
		Inner_Full	26.29	/	/	28.89	/	/	<=33	Pass
		Inner_1RB_Left	26.36	/	/	28.96	/	/	<=33	Pass
		Inner_1RB_Right	26.44	/	/	29.04	/	/	<=33	Pass
DFT-s-OFDM QPSK	2590	Outer_Full	25.28	/	/	27.88	/	/	<=33	Pass
		Inner_Full	26.28	/	/	28.88	/	/	<=33	Pass
		Inner_1RB_Left	26.22	/	/	28.82	/	/	<=33	Pass
		Inner_1RB_Right	26.25	/	/	28.85	/	/	<=33	Pass
	2595	Outer_Full	25.29	/	/	27.89	/	/	<=33	Pass
		Inner_Full	26.29	/	/	28.89	/	/	<=33	Pass
		Inner_1RB_Left	26.20	/	/	28.80	/	/	<=33	Pass
		Inner_1RB_Right	26.35	/	/	28.95	/	/	<=33	Pass
	2600	Outer_Full	25.26	/	/	27.86	/	/	<=33	Pass
		Inner_Full	26.27	/	/	28.87	/	/	<=33	Pass
		Inner_1RB_Left	26.22	/	/	28.82	/	/	<=33	Pass
		Inner_1RB_Right	26.28	/	/	28.88	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2590	Outer_Full	24.30	/	/	26.90	/	/	<=33	Pass
		Inner_Full	25.32	/	/	27.92	/	/	<=33	Pass
		Inner_1RB_Left	25.23	/	/	27.83	/	/	<=33	Pass
		Inner_1RB_Right	25.21	/	/	27.81	/	/	<=33	Pass
	2595	Outer_Full	24.33	/	/	26.93	/	/	<=33	Pass
		Inner_Full	25.32	/	/	27.92	/	/	<=33	Pass
		Inner_1RB_Left	25.30	/	/	27.90	/	/	<=33	Pass
		Inner_1RB_Right	25.37	/	/	27.97	/	/	<=33	Pass
	2600	Outer_Full	24.25	/	/	26.85	/	/	<=33	Pass
		Inner_Full	25.32	/	/	27.92	/	/	<=33	Pass
		Inner_1RB_Left	25.15	/	/	27.75	/	/	<=33	Pass
		Inner_1RB_Right	25.26	/	/	27.86	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2590	Outer_Full	23.81	/	/	26.41	/	/	<=33	Pass
		Inner_Full	23.73	/	/	26.33	/	/	<=33	Pass
		Inner_1RB_Left	23.68	/	/	26.28	/	/	<=33	Pass
		Inner_1RB_Right	23.73	/	/	26.33	/	/	<=33	Pass
	2595	Outer_Full	23.78	/	/	26.38	/	/	<=33	Pass
		Inner_Full	23.71	/	/	26.31	/	/	<=33	Pass
		Inner_1RB_Left	23.67	/	/	26.27	/	/	<=33	Pass
		Inner_1RB_Right	23.88	/	/	26.48	/	/	<=33	Pass
	2600	Outer_Full	23.79	/	/	26.39	/	/	<=33	Pass
		Inner_Full	23.75	/	/	26.35	/	/	<=33	Pass
		Inner_1RB_Left	23.66	/	/	26.26	/	/	<=33	Pass
		Inner_1RB_Right	23.75	/	/	26.35	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2590	Outer_Full	21.78	/	/	24.38	/	/	<=33	Pass
		Inner_Full	21.75	/	/	24.35	/	/	<=33	Pass

		Inner_1RB_Left	21.71	/	/	24.31	/	/	<=33	Pass	
		Inner_1RB_Right	21.64	/	/	24.24	/	/	<=33	Pass	
	2595	Outer_Full	21.75	/	/	24.35	/	/	<=33	Pass	
		Inner_Full	21.73	/	/	24.33	/	/	<=33	Pass	
		Inner_1RB_Left	21.54	/	/	24.14	/	/	<=33	Pass	
		Inner_1RB_Right	21.70	/	/	24.30	/	/	<=33	Pass	
	2600	Outer_Full	21.78	/	/	24.38	/	/	<=33	Pass	
		Inner_Full	21.74	/	/	24.34	/	/	<=33	Pass	
		Inner_1RB_Left	21.59	/	/	24.19	/	/	<=33	Pass	
		Inner_1RB_Right	21.72	/	/	24.32	/	/	<=33	Pass	
	CP-OFDM QPSK	2590	Outer_Full	23.24	/	/	25.84	/	/	<=33	Pass
			Inner_Full	24.77	/	/	27.37	/	/	<=33	Pass
Inner_1RB_Left			24.71	/	/	27.31	/	/	<=33	Pass	
Inner_1RB_Right			24.72	/	/	27.32	/	/	<=33	Pass	
2595		Outer_Full	23.30	/	/	25.90	/	/	<=33	Pass	
		Inner_Full	24.74	/	/	27.34	/	/	<=33	Pass	
		Inner_1RB_Left	24.73	/	/	27.33	/	/	<=33	Pass	
		Inner_1RB_Right	24.82	/	/	27.42	/	/	<=33	Pass	
2600		Outer_Full	23.27	/	/	25.87	/	/	<=33	Pass	
		Inner_Full	24.73	/	/	27.33	/	/	<=33	Pass	
		Inner_1RB_Left	24.64	/	/	27.24	/	/	<=33	Pass	
		Inner_1RB_Right	24.84	/	/	27.44	/	/	<=33	Pass	
CP-OFDM 16 QAM	2590	Outer_Full	23.27	/	/	25.87	/	/	<=33	Pass	
		Inner_Full	24.36	/	/	26.96	/	/	<=33	Pass	
		Inner_1RB_Left	24.18	/	/	26.78	/	/	<=33	Pass	
		Inner_1RB_Right	24.34	/	/	26.94	/	/	<=33	Pass	
	2595	Outer_Full	23.26	/	/	25.86	/	/	<=33	Pass	
		Inner_Full	24.35	/	/	26.95	/	/	<=33	Pass	
		Inner_1RB_Left	24.30	/	/	26.90	/	/	<=33	Pass	
		Inner_1RB_Right	24.37	/	/	26.97	/	/	<=33	Pass	
	2600	Outer_Full	23.27	/	/	25.87	/	/	<=33	Pass	
		Inner_Full	24.36	/	/	26.96	/	/	<=33	Pass	
		Inner_1RB_Left	24.29	/	/	26.89	/	/	<=33	Pass	
		Inner_1RB_Right	24.28	/	/	26.88	/	/	<=33	Pass	
CP-OFDM 64 QAM	2590	Outer_Full	22.78	/	/	25.38	/	/	<=33	Pass	
		Inner_Full	22.81	/	/	25.41	/	/	<=33	Pass	
		Inner_1RB_Left	22.73	/	/	25.33	/	/	<=33	Pass	
		Inner_1RB_Right	22.70	/	/	25.30	/	/	<=33	Pass	
	2595	Outer_Full	22.76	/	/	25.36	/	/	<=33	Pass	
		Inner_Full	22.80	/	/	25.40	/	/	<=33	Pass	
		Inner_1RB_Left	22.73	/	/	25.33	/	/	<=33	Pass	
		Inner_1RB_Right	22.82	/	/	25.42	/	/	<=33	Pass	
	2600	Outer_Full	22.76	/	/	25.36	/	/	<=33	Pass	
		Inner_Full	22.79	/	/	25.39	/	/	<=33	Pass	
		Inner_1RB_Left	22.78	/	/	25.38	/	/	<=33	Pass	
		Inner_1RB_Right	22.77	/	/	25.37	/	/	<=33	Pass	
CP-OFDM 256 QAM	2590	Outer_Full	19.75	/	/	22.35	/	/	<=33	Pass	
		Inner_Full	19.67	/	/	22.27	/	/	<=33	Pass	
		Inner_1RB_Left	19.68	/	/	22.28	/	/	<=33	Pass	
		Inner_1RB_Right	19.80	/	/	22.40	/	/	<=33	Pass	
	2595	Outer_Full	19.73	/	/	22.33	/	/	<=33	Pass	
		Inner_Full	19.75	/	/	22.35	/	/	<=33	Pass	
		Inner_1RB_Left	19.71	/	/	22.31	/	/	<=33	Pass	
		Inner_1RB_Right	19.85	/	/	22.45	/	/	<=33	Pass	
	2600	Outer_Full	19.77	/	/	22.37	/	/	<=33	Pass	
		Inner_Full	19.71	/	/	22.31	/	/	<=33	Pass	
		Inner_1RB_Left	19.75	/	/	22.35	/	/	<=33	Pass	
		Inner_1RB_Right	19.87	/	/	22.47	/	/	<=33	Pass	
Note1: Antenna Gain: Ant1: 2.60dBi: Ant2: 2.60dBi:											

Note2: EIRP=Conducted Power+Antenna Gain

1.1.7 30k_MIMO_10MHz_NTNV_EIRP

5G NR n38 SCS=30kHz MIMO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2575	Outer_Full	22.66	22.60	25.64	25.26	25.20	28.24	<=33	Pass
		Inner_Full	23.27	23.21	26.25	25.87	25.81	28.85	<=33	Pass
		Inner_1RB_Left	23.11	23.03	26.08	25.71	25.63	28.68	<=33	Pass
		Inner_1RB_Right	23.20	23.17	26.20	25.80	25.77	28.80	<=33	Pass
	2595	Outer_Full	22.75	22.74	25.76	25.35	25.34	28.36	<=33	Pass
		Inner_Full	23.28	23.28	26.29	25.88	25.88	28.89	<=33	Pass
		Inner_1RB_Left	23.30	23.29	26.31	25.90	25.89	28.91	<=33	Pass
		Inner_1RB_Right	23.22	23.22	26.23	25.82	25.82	28.83	<=33	Pass
	2615	Outer_Full	22.83	22.89	25.87	25.43	25.49	28.47	<=33	Pass
		Inner_Full	23.40	23.46	26.44	26.00	26.06	29.04	<=33	Pass
		Inner_1RB_Left	23.19	23.20	26.20	25.79	25.80	28.81	<=33	Pass
		Inner_1RB_Right	23.38	23.48	26.44	25.98	26.08	29.04	<=33	Pass
DFT-s-OFDM QPSK	2575	Outer_Full	22.19	22.14	25.18	24.79	24.74	27.78	<=33	Pass
		Inner_Full	23.27	23.21	26.25	25.87	25.81	28.85	<=33	Pass
		Inner_1RB_Left	23.13	23.05	26.10	25.73	25.65	28.70	<=33	Pass
		Inner_1RB_Right	23.29	23.26	26.29	25.89	25.86	28.89	<=33	Pass
	2595	Outer_Full	22.31	22.30	25.31	24.91	24.90	27.92	<=33	Pass
		Inner_Full	23.25	23.24	26.26	25.85	25.84	28.86	<=33	Pass
		Inner_1RB_Left	23.41	23.40	26.41	26.01	26.00	29.02	<=33	Pass
		Inner_1RB_Right	23.25	23.24	26.25	25.85	25.84	28.86	<=33	Pass
	2615	Outer_Full	22.36	22.42	25.40	24.96	25.02	28.00	<=33	Pass
		Inner_Full	23.32	23.38	26.36	25.92	25.98	28.96	<=33	Pass
		Inner_1RB_Left	23.27	23.28	26.29	25.87	25.88	28.89	<=33	Pass
		Inner_1RB_Right	23.39	23.49	26.45	25.99	26.09	29.05	<=33	Pass
DFT-s-OFDM 16 QAM	2575	Outer_Full	21.23	21.17	24.21	23.83	23.77	26.81	<=33	Pass
		Inner_Full	22.34	22.28	25.32	24.94	24.88	27.92	<=33	Pass
		Inner_1RB_Left	22.16	22.08	25.13	24.76	24.68	27.73	<=33	Pass
		Inner_1RB_Right	22.36	22.33	25.35	24.96	24.93	27.96	<=33	Pass
	2595	Outer_Full	21.31	21.30	24.32	23.91	23.90	26.92	<=33	Pass
		Inner_Full	22.33	22.32	25.34	24.93	24.92	27.94	<=33	Pass
		Inner_1RB_Left	22.36	22.35	25.36	24.96	24.95	27.97	<=33	Pass
		Inner_1RB_Right	22.35	22.34	25.35	24.95	24.94	27.96	<=33	Pass
	2615	Outer_Full	21.35	21.41	24.39	23.95	24.01	26.99	<=33	Pass
		Inner_Full	22.37	22.43	25.41	24.97	25.03	28.01	<=33	Pass
		Inner_1RB_Left	22.29	22.30	25.31	24.89	24.90	27.91	<=33	Pass
		Inner_1RB_Right	22.49	22.58	25.54	25.09	25.18	28.15	<=33	Pass
DFT-s-OFDM 64 QAM	2575	Outer_Full	20.73	20.67	23.71	23.33	23.27	26.31	<=33	Pass
		Inner_Full	20.76	20.70	23.74	23.36	23.30	26.34	<=33	Pass
		Inner_1RB_Left	20.50	20.42	23.47	23.10	23.02	26.07	<=33	Pass
		Inner_1RB_Right	20.69	20.66	23.69	23.29	23.26	26.29	<=33	Pass
	2595	Outer_Full	20.85	20.84	23.85	23.45	23.44	26.46	<=33	Pass
		Inner_Full	20.74	20.73	23.75	23.34	23.33	26.35	<=33	Pass
		Inner_1RB_Left	20.76	20.75	23.77	23.36	23.35	26.37	<=33	Pass
		Inner_1RB_Right	20.64	20.63	23.65	23.24	23.23	26.25	<=33	Pass
	2615	Outer_Full	20.83	20.88	23.86	23.43	23.48	26.47	<=33	Pass
		Inner_Full	20.71	20.76	23.75	23.31	23.36	26.35	<=33	Pass
		Inner_1RB_Left	20.58	20.59	23.59	23.18	23.19	26.20	<=33	Pass
		Inner_1RB_Right	20.87	20.97	23.93	23.47	23.57	26.53	<=33	Pass
DFT-s-OFDM 256 QAM	2575	Outer_Full	18.65	18.60	21.64	21.25	21.20	24.24	<=33	Pass
		Inner_Full	18.66	18.60	21.64	21.26	21.20	24.24	<=33	Pass

		Inner 1RB Left	18.55	18.47	21.52	21.15	21.07	24.12	<=33	Pass
		Inner 1RB Right	18.63	18.60	21.62	21.23	21.20	24.23	<=33	Pass
	2595	Outer Full	18.70	18.69	21.71	21.30	21.29	24.31	<=33	Pass
		Inner Full	18.73	18.72	21.74	21.33	21.32	24.34	<=33	Pass
		Inner 1RB Left	18.79	18.78	21.79	21.39	21.38	24.40	<=33	Pass
		Inner 1RB Right	18.68	18.68	21.69	21.28	21.28	24.29	<=33	Pass
	2615	Outer Full	18.69	18.75	21.73	21.29	21.35	24.33	<=33	Pass
		Inner Full	18.71	18.76	21.75	21.31	21.36	24.35	<=33	Pass
		Inner 1RB Left	18.48	18.50	21.50	21.08	21.10	24.10	<=33	Pass
		Inner 1RB Right	18.64	18.74	21.70	21.24	21.34	24.30	<=33	Pass
CP-OFDM QPSK	2575	Outer Full	20.21	20.16	23.20	22.81	22.76	25.80	<=33	Pass
		Inner Full	21.88	21.82	24.86	24.48	24.42	27.46	<=33	Pass
		Inner 1RB Left	21.47	21.39	24.44	24.07	23.99	27.04	<=33	Pass
		Inner 1RB Right	21.52	21.49	24.51	24.12	24.09	27.12	<=33	Pass
	2595	Outer Full	20.21	20.20	23.21	22.81	22.80	25.82	<=33	Pass
		Inner Full	21.83	21.82	24.83	24.43	24.42	27.44	<=33	Pass
		Inner 1RB Left	21.65	21.64	24.66	24.25	24.24	27.26	<=33	Pass
		Inner 1RB Right	21.54	21.54	24.55	24.14	24.14	27.15	<=33	Pass
	2615	Outer Full	20.34	20.39	23.37	22.94	22.99	25.98	<=33	Pass
		Inner Full	21.88	21.94	24.92	24.48	24.54	27.52	<=33	Pass
		Inner 1RB Left	21.62	21.63	24.64	24.22	24.23	27.24	<=33	Pass
		Inner 1RB Right	21.75	21.84	24.81	24.35	24.44	27.41	<=33	Pass
CP-OFDM 16 QAM	2575	Outer Full	20.24	20.19	23.23	22.84	22.79	25.83	<=33	Pass
		Inner Full	21.23	21.17	24.21	23.83	23.77	26.81	<=33	Pass
		Inner 1RB Left	21.25	21.16	24.22	23.85	23.76	26.82	<=33	Pass
		Inner 1RB Right	21.42	21.39	24.42	24.02	23.99	27.02	<=33	Pass
	2595	Outer Full	20.33	20.32	23.34	22.93	22.92	25.94	<=33	Pass
		Inner Full	21.18	21.17	24.19	23.78	23.77	26.79	<=33	Pass
		Inner 1RB Left	21.45	21.44	24.46	24.05	24.04	27.06	<=33	Pass
		Inner 1RB Right	21.21	21.20	24.22	23.81	23.80	26.82	<=33	Pass
	2615	Outer Full	20.46	20.51	23.50	23.06	23.11	26.10	<=33	Pass
		Inner Full	21.33	21.38	24.36	23.93	23.98	26.97	<=33	Pass
		Inner 1RB Left	21.43	21.44	24.45	24.03	24.04	27.05	<=33	Pass
		Inner 1RB Right	21.57	21.66	24.62	24.17	24.26	27.23	<=33	Pass
CP-OFDM 64 QAM	2575	Outer Full	19.70	19.64	22.68	22.30	22.24	25.28	<=33	Pass
		Inner Full	19.78	19.72	22.76	22.38	22.32	25.36	<=33	Pass
		Inner 1RB Left	19.59	19.51	22.56	22.19	22.11	25.16	<=33	Pass
		Inner 1RB Right	19.72	19.69	22.72	22.32	22.29	25.32	<=33	Pass
	2595	Outer Full	19.74	19.74	22.75	22.34	22.34	25.35	<=33	Pass
		Inner Full	19.78	19.78	22.79	22.38	22.38	25.39	<=33	Pass
		Inner 1RB Left	19.69	19.68	22.69	22.29	22.28	25.30	<=33	Pass
		Inner 1RB Right	19.55	19.54	22.55	22.15	22.14	25.16	<=33	Pass
	2615	Outer Full	19.80	19.86	22.84	22.40	22.46	25.44	<=33	Pass
		Inner Full	19.78	19.84	22.82	22.38	22.44	25.42	<=33	Pass
		Inner 1RB Left	19.60	19.61	22.61	22.20	22.21	25.22	<=33	Pass
		Inner 1RB Right	19.85	19.94	22.91	22.45	22.54	25.51	<=33	Pass
CP-OFDM 256 QAM	2575	Outer Full	17.09	17.03	20.07	19.69	19.63	22.67	<=33	Pass
		Inner Full	17.13	17.08	20.12	19.73	19.68	22.72	<=33	Pass
		Inner 1RB Left	17.10	17.02	20.07	19.70	19.62	22.67	<=33	Pass
		Inner 1RB Right	17.16	17.13	20.15	19.76	19.73	22.76	<=33	Pass
	2595	Outer Full	17.12	17.12	20.13	19.72	19.72	22.73	<=33	Pass
		Inner Full	17.21	17.21	20.22	19.81	19.81	22.82	<=33	Pass
		Inner 1RB Left	17.15	17.14	20.16	19.75	19.74	22.76	<=33	Pass
		Inner 1RB Right	17.13	17.13	20.14	19.73	19.73	22.74	<=33	Pass
	2615	Outer Full	17.16	17.22	20.20	19.76	19.82	22.80	<=33	Pass
		Inner Full	17.23	17.28	20.27	19.83	19.88	22.87	<=33	Pass
		Inner 1RB Left	17.09	17.10	20.11	19.69	19.70	22.71	<=33	Pass
		Inner 1RB Right	17.21	17.31	20.27	19.81	19.91	22.87	<=33	Pass

Note1: Antenna Gain: Ant1: 2.60dBi; Ant2: 2.60dBi;

Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2

1.1.8 30k_MIMO_15MHz_NTNV_EIRP

5G NR n38 SCS=30kHz MIMO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2577.5	Outer_Full	22.85	22.82	25.84	25.45	25.42	28.45	<=33	Pass
		Inner_Full	23.33	23.28	26.32	25.93	25.88	28.92	<=33	Pass
		Inner_1RB_Left	23.14	23.07	26.11	25.74	25.67	28.72	<=33	Pass
		Inner_1RB_Right	23.35	23.37	26.37	25.95	25.97	28.97	<=33	Pass
	2595	Outer_Full	22.84	22.83	25.84	25.44	25.43	28.45	<=33	Pass
		Inner_Full	23.33	23.32	26.33	25.93	25.92	28.94	<=33	Pass
		Inner_1RB_Left	23.24	23.21	26.24	25.84	25.81	28.84	<=33	Pass
		Inner_1RB_Right	23.27	23.26	26.27	25.87	25.86	28.88	<=33	Pass
	2612.5	Outer_Full	22.88	22.90	25.90	25.48	25.50	28.50	<=33	Pass
		Inner_Full	23.32	23.34	26.34	25.92	25.94	28.94	<=33	Pass
		Inner_1RB_Left	23.24	23.20	26.23	25.84	25.80	28.83	<=33	Pass
		Inner_1RB_Right	23.32	23.41	26.37	25.92	26.01	28.98	<=33	Pass
DFT-s-OFDM QPSK	2577.5	Outer_Full	22.31	22.28	25.31	24.91	24.88	27.91	<=33	Pass
		Inner_Full	23.30	23.26	26.29	25.90	25.86	28.89	<=33	Pass
		Inner_1RB_Left	23.19	23.12	26.17	25.79	25.72	28.77	<=33	Pass
		Inner_1RB_Right	23.33	23.35	26.35	25.93	25.95	28.95	<=33	Pass
	2595	Outer_Full	22.32	22.31	25.33	24.92	24.91	27.93	<=33	Pass
		Inner_Full	23.28	23.27	26.28	25.88	25.87	28.89	<=33	Pass
		Inner_1RB_Left	23.32	23.29	26.31	25.92	25.89	28.92	<=33	Pass
		Inner_1RB_Right	23.27	23.26	26.28	25.87	25.86	28.88	<=33	Pass
	2612.5	Outer_Full	22.24	22.26	25.26	24.84	24.86	27.86	<=33	Pass
		Inner_Full	23.33	23.35	26.35	25.93	25.95	28.95	<=33	Pass
		Inner_1RB_Left	23.29	23.25	26.28	25.89	25.85	28.88	<=33	Pass
		Inner_1RB_Right	23.37	23.46	26.43	25.97	26.06	29.03	<=33	Pass
DFT-s-OFDM 16 QAM	2577.5	Outer_Full	21.27	21.24	24.27	23.87	23.84	26.87	<=33	Pass
		Inner_Full	22.31	22.27	25.30	24.91	24.87	27.90	<=33	Pass
		Inner_1RB_Left	22.17	22.10	25.14	24.77	24.70	27.75	<=33	Pass
		Inner_1RB_Right	22.41	22.43	25.43	25.01	25.03	28.03	<=33	Pass
	2595	Outer_Full	21.39	21.38	24.40	23.99	23.98	27.00	<=33	Pass
		Inner_Full	22.26	22.25	25.27	24.86	24.85	27.87	<=33	Pass
		Inner_1RB_Left	22.36	22.33	25.35	24.96	24.93	27.96	<=33	Pass
		Inner_1RB_Right	22.36	22.36	25.37	24.96	24.96	27.97	<=33	Pass
	2612.5	Outer_Full	21.23	21.25	24.25	23.83	23.85	26.85	<=33	Pass
		Inner_Full	22.33	22.35	25.35	24.93	24.95	27.95	<=33	Pass
		Inner_1RB_Left	22.32	22.29	25.31	24.92	24.89	27.92	<=33	Pass
		Inner_1RB_Right	22.42	22.52	25.48	25.02	25.12	28.08	<=33	Pass
DFT-s-OFDM 64 QAM	2577.5	Outer_Full	20.76	20.72	23.75	23.36	23.32	26.35	<=33	Pass
		Inner_Full	20.76	20.71	23.74	23.36	23.31	26.35	<=33	Pass
		Inner_1RB_Left	20.54	20.48	23.52	23.14	23.08	26.12	<=33	Pass
		Inner_1RB_Right	20.81	20.83	23.83	23.41	23.43	26.43	<=33	Pass
	2595	Outer_Full	20.78	20.77	23.79	23.38	23.37	26.39	<=33	Pass
		Inner_Full	20.80	20.79	23.81	23.40	23.39	26.41	<=33	Pass
		Inner_1RB_Left	20.70	20.68	23.70	23.30	23.28	26.30	<=33	Pass
		Inner_1RB_Right	20.76	20.75	23.77	23.36	23.35	26.37	<=33	Pass
	2612.5	Outer_Full	20.84	20.86	23.86	23.44	23.46	26.46	<=33	Pass
		Inner_Full	20.78	20.80	23.80	23.38	23.40	26.40	<=33	Pass
		Inner_1RB_Left	20.63	20.59	23.62	23.23	23.19	26.22	<=33	Pass
		Inner_1RB_Right	20.83	20.93	23.89	23.43	23.53	26.49	<=33	Pass
DFT-s-OFDM 256 QAM	2577.5	Outer_Full	18.70	18.66	21.69	21.30	21.26	24.29	<=33	Pass
		Inner_Full	18.66	18.62	21.65	21.26	21.22	24.25	<=33	Pass

		Inner 1RB Left	18.55	18.49	21.53	21.15	21.09	24.13	<=33	Pass
		Inner 1RB Right	18.83	18.85	21.85	21.43	21.45	24.45	<=33	Pass
	2595	Outer Full	18.79	18.78	21.80	21.39	21.38	24.40	<=33	Pass
		Inner Full	18.70	18.69	21.70	21.30	21.29	24.31	<=33	Pass
		Inner 1RB Left	18.76	18.73	21.75	21.36	21.33	24.36	<=33	Pass
		Inner 1RB Right	18.77	18.76	21.77	21.37	21.36	24.38	<=33	Pass
	2612.5	Outer Full	18.66	18.68	21.68	21.26	21.28	24.28	<=33	Pass
		Inner Full	18.64	18.66	21.66	21.24	21.26	24.26	<=33	Pass
		Inner 1RB Left	18.67	18.64	21.67	21.27	21.24	24.27	<=33	Pass
		Inner 1RB Right	18.81	18.91	21.87	21.41	21.51	24.47	<=33	Pass
CP-OFDM QPSK	2577.5	Outer Full	20.24	20.20	23.23	22.84	22.80	25.83	<=33	Pass
		Inner Full	21.84	21.80	24.83	24.44	24.40	27.43	<=33	Pass
		Inner 1RB Left	21.49	21.43	24.47	24.09	24.03	27.07	<=33	Pass
		Inner 1RB Right	21.61	21.63	24.63	24.21	24.23	27.23	<=33	Pass
	2595	Outer Full	20.32	20.31	23.33	22.92	22.91	25.93	<=33	Pass
		Inner Full	21.91	21.90	24.91	24.51	24.50	27.52	<=33	Pass
		Inner 1RB Left	21.59	21.57	24.59	24.19	24.17	27.19	<=33	Pass
		Inner 1RB Right	21.62	21.61	24.63	24.22	24.21	27.23	<=33	Pass
	2612.5	Outer Full	20.29	20.32	23.32	22.89	22.92	25.92	<=33	Pass
		Inner Full	21.79	21.81	24.81	24.39	24.41	27.41	<=33	Pass
		Inner 1RB Left	21.67	21.63	24.66	24.27	24.23	27.26	<=33	Pass
		Inner 1RB Right	21.76	21.85	24.81	24.36	24.45	27.42	<=33	Pass
CP-OFDM 16 QAM	2577.5	Outer Full	20.20	20.17	23.19	22.80	22.77	25.80	<=33	Pass
		Inner Full	21.38	21.34	24.37	23.98	23.94	26.97	<=33	Pass
		Inner 1RB Left	21.25	21.19	24.23	23.85	23.79	26.83	<=33	Pass
		Inner 1RB Right	21.35	21.37	24.37	23.95	23.97	26.97	<=33	Pass
	2595	Outer Full	20.31	20.30	23.31	22.91	22.90	25.92	<=33	Pass
		Inner Full	21.29	21.28	24.29	23.89	23.88	26.90	<=33	Pass
		Inner 1RB Left	21.43	21.41	24.43	24.03	24.01	27.03	<=33	Pass
		Inner 1RB Right	21.47	21.47	24.48	24.07	24.07	27.08	<=33	Pass
	2612.5	Outer Full	20.30	20.33	23.33	22.90	22.93	25.93	<=33	Pass
		Inner Full	21.34	21.36	24.36	23.94	23.96	26.96	<=33	Pass
		Inner 1RB Left	21.45	21.41	24.44	24.05	24.01	27.04	<=33	Pass
		Inner 1RB Right	21.63	21.73	24.69	24.23	24.33	27.29	<=33	Pass
CP-OFDM 64 QAM	2577.5	Outer Full	19.68	19.65	22.68	22.28	22.25	25.28	<=33	Pass
		Inner Full	19.67	19.63	22.66	22.27	22.23	25.26	<=33	Pass
		Inner 1RB Left	19.53	19.46	22.50	22.13	22.06	25.11	<=33	Pass
		Inner 1RB Right	19.53	19.55	22.55	22.13	22.15	25.15	<=33	Pass
	2595	Outer Full	19.80	19.79	22.81	22.40	22.39	25.41	<=33	Pass
		Inner Full	19.76	19.75	22.76	22.36	22.35	25.37	<=33	Pass
		Inner 1RB Left	19.68	19.65	22.68	22.28	22.25	25.28	<=33	Pass
		Inner 1RB Right	19.68	19.67	22.68	22.28	22.27	25.29	<=33	Pass
	2612.5	Outer Full	19.70	19.73	22.72	22.30	22.33	25.33	<=33	Pass
		Inner Full	19.71	19.74	22.74	22.31	22.34	25.34	<=33	Pass
		Inner 1RB Left	19.66	19.63	22.66	22.26	22.23	25.26	<=33	Pass
		Inner 1RB Right	19.76	19.86	22.82	22.36	22.46	25.42	<=33	Pass
CP-OFDM 256 QAM	2577.5	Outer Full	17.08	17.05	20.07	19.68	19.65	22.68	<=33	Pass
		Inner Full	17.20	17.16	20.19	19.80	19.76	22.79	<=33	Pass
		Inner 1RB Left	17.09	17.02	20.07	19.69	19.62	22.67	<=33	Pass
		Inner 1RB Right	17.13	17.15	20.15	19.73	19.75	22.75	<=33	Pass
	2595	Outer Full	17.10	17.09	20.11	19.70	19.69	22.71	<=33	Pass
		Inner Full	17.16	17.15	20.16	19.76	19.75	22.77	<=33	Pass
		Inner 1RB Left	17.17	17.15	20.17	19.77	19.75	22.77	<=33	Pass
		Inner 1RB Right	17.04	17.04	20.05	19.64	19.64	22.65	<=33	Pass
	2612.5	Outer Full	17.07	17.10	20.09	19.67	19.70	22.70	<=33	Pass
		Inner Full	17.14	17.17	20.16	19.74	19.77	22.77	<=33	Pass
		Inner 1RB Left	17.34	17.30	20.33	19.94	19.90	22.93	<=33	Pass
		Inner 1RB Right	17.15	17.25	20.21	19.75	19.85	22.81	<=33	Pass

Note1: Antenna Gain: Ant1: 2.60dBi; Ant2: 2.60dBi;

Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2

1.1.9 30k_MIMO_20MHz_NTNV_EIRP

5G NR n38 SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2580	Outer_Full	22.75	22.74	25.76	25.35	25.34	28.36	<=33	Pass
		Inner_Full	23.34	23.33	26.35	25.94	25.93	28.95	<=33	Pass
		Inner_1RB_Left	23.12	23.07	26.10	25.72	25.67	28.71	<=33	Pass
		Inner_1RB_Right	23.30	23.34	26.33	25.90	25.94	28.93	<=33	Pass
	2595	Outer_Full	22.85	22.83	25.85	25.45	25.43	28.45	<=33	Pass
		Inner_Full	23.33	23.31	26.33	25.93	25.91	28.93	<=33	Pass
		Inner_1RB_Left	23.32	23.28	26.31	25.92	25.88	28.91	<=33	Pass
		Inner_1RB_Right	23.34	23.34	26.35	25.94	25.94	28.95	<=33	Pass
	2610	Outer_Full	22.80	22.79	25.81	25.40	25.39	28.41	<=33	Pass
		Inner_Full	23.34	23.33	26.35	25.94	25.93	28.95	<=33	Pass
		Inner_1RB_Left	23.24	23.16	26.21	25.84	25.76	28.81	<=33	Pass
		Inner_1RB_Right	23.40	23.47	26.44	26.00	26.07	29.05	<=33	Pass
DFT-s-OFDM QPSK	2580	Outer_Full	22.25	22.24	25.26	24.85	24.84	27.86	<=33	Pass
		Inner_Full	23.36	23.35	26.36	25.96	25.95	28.97	<=33	Pass
		Inner_1RB_Left	23.16	23.11	26.15	25.76	25.71	28.75	<=33	Pass
		Inner_1RB_Right	23.27	23.31	26.30	25.87	25.91	28.90	<=33	Pass
	2595	Outer_Full	22.35	22.34	25.36	24.95	24.94	27.96	<=33	Pass
		Inner_Full	23.35	23.34	26.35	25.95	25.94	28.96	<=33	Pass
		Inner_1RB_Left	23.39	23.35	26.38	25.99	25.95	28.98	<=33	Pass
		Inner_1RB_Right	23.41	23.40	26.42	26.01	26.00	29.02	<=33	Pass
	2610	Outer_Full	22.27	22.26	25.27	24.87	24.86	27.88	<=33	Pass
		Inner_Full	23.29	23.28	26.30	25.89	25.88	28.90	<=33	Pass
		Inner_1RB_Left	23.18	23.10	26.15	25.78	25.70	28.75	<=33	Pass
		Inner_1RB_Right	23.34	23.41	26.39	25.94	26.01	28.99	<=33	Pass
DFT-s-OFDM 16 QAM	2580	Outer_Full	21.23	21.23	24.24	23.83	23.83	26.84	<=33	Pass
		Inner_Full	22.42	22.41	25.42	25.02	25.01	28.03	<=33	Pass
		Inner_1RB_Left	22.19	22.13	25.17	24.79	24.73	27.77	<=33	Pass
		Inner_1RB_Right	22.34	22.38	25.37	24.94	24.98	27.97	<=33	Pass
	2595	Outer_Full	21.32	21.31	24.33	23.92	23.91	26.93	<=33	Pass
		Inner_Full	22.33	22.31	25.33	24.93	24.91	27.93	<=33	Pass
		Inner_1RB_Left	22.31	22.27	25.30	24.91	24.87	27.90	<=33	Pass
		Inner_1RB_Right	22.40	22.39	25.40	25.00	24.99	28.01	<=33	Pass
	2610	Outer_Full	21.31	21.31	24.32	23.91	23.91	26.92	<=33	Pass
		Inner_Full	22.34	22.33	25.34	24.94	24.93	27.95	<=33	Pass
		Inner_1RB_Left	22.22	22.14	25.19	24.82	24.74	27.79	<=33	Pass
		Inner_1RB_Right	22.44	22.52	25.49	25.04	25.12	28.09	<=33	Pass
DFT-s-OFDM 64 QAM	2580	Outer_Full	20.76	20.75	23.76	23.36	23.35	26.37	<=33	Pass
		Inner_Full	20.73	20.72	23.73	23.33	23.32	26.34	<=33	Pass
		Inner_1RB_Left	20.71	20.65	23.69	23.31	23.25	26.29	<=33	Pass
		Inner_1RB_Right	20.93	20.98	23.96	23.53	23.58	26.57	<=33	Pass
	2595	Outer_Full	20.81	20.80	23.81	23.41	23.40	26.42	<=33	Pass
		Inner_Full	20.77	20.76	23.77	23.37	23.36	26.38	<=33	Pass
		Inner_1RB_Left	20.80	20.76	23.79	23.40	23.36	26.39	<=33	Pass
		Inner_1RB_Right	20.92	20.92	23.93	23.52	23.52	26.53	<=33	Pass
	2610	Outer_Full	20.78	20.78	23.79	23.38	23.38	26.39	<=33	Pass
		Inner_Full	20.70	20.69	23.70	23.30	23.29	26.31	<=33	Pass
		Inner_1RB_Left	20.71	20.64	23.68	23.31	23.24	26.29	<=33	Pass
		Inner_1RB_Right	20.80	20.88	23.85	23.40	23.48	26.45	<=33	Pass
DFT-s-OFDM 256 QAM	2580	Outer_Full	18.64	18.63	21.64	21.24	21.23	24.25	<=33	Pass
		Inner_Full	18.65	18.64	21.66	21.25	21.24	24.26	<=33	Pass

		Inner 1RB Left	18.57	18.52	21.56	21.17	21.12	24.16	<=33	Pass
		Inner 1RB Right	18.73	18.77	21.76	21.33	21.37	24.36	<=33	Pass
	2595	Outer Full	18.68	18.66	21.68	21.28	21.26	24.28	<=33	Pass
		Inner Full	18.74	18.73	21.74	21.34	21.33	24.35	<=33	Pass
		Inner 1RB Left	18.74	18.70	21.73	21.34	21.30	24.33	<=33	Pass
		Inner 1RB Right	18.84	18.83	21.85	21.44	21.43	24.45	<=33	Pass
	2610	Outer Full	18.64	18.64	21.65	21.24	21.24	24.25	<=33	Pass
		Inner Full	18.77	18.77	21.78	21.37	21.37	24.38	<=33	Pass
		Inner 1RB Left	18.67	18.60	21.65	21.27	21.20	24.25	<=33	Pass
		Inner 1RB Right	18.83	18.91	21.88	21.43	21.51	24.48	<=33	Pass
CP-OFDM QPSK	2580	Outer Full	20.24	20.23	23.24	22.84	22.83	25.85	<=33	Pass
		Inner Full	21.84	21.82	24.84	24.44	24.42	27.44	<=33	Pass
		Inner 1RB Left	21.42	21.37	24.40	24.02	23.97	27.01	<=33	Pass
		Inner 1RB Right	21.78	21.83	24.82	24.38	24.43	27.42	<=33	Pass
	2595	Outer Full	20.31	20.30	23.32	22.91	22.90	25.92	<=33	Pass
		Inner Full	21.83	21.82	24.84	24.43	24.42	27.44	<=33	Pass
		Inner 1RB Left	21.66	21.62	24.65	24.26	24.22	27.25	<=33	Pass
		Inner 1RB Right	21.80	21.80	24.81	24.40	24.40	27.41	<=33	Pass
	2610	Outer Full	20.28	20.28	23.29	22.88	22.88	25.89	<=33	Pass
		Inner Full	21.77	21.77	24.78	24.37	24.37	27.38	<=33	Pass
		Inner 1RB Left	21.66	21.58	24.63	24.26	24.18	27.23	<=33	Pass
		Inner 1RB Right	21.81	21.89	24.86	24.41	24.49	27.46	<=33	Pass
CP-OFDM 16 QAM	2580	Outer Full	20.28	20.27	23.28	22.88	22.87	25.89	<=33	Pass
		Inner Full	21.47	21.46	24.48	24.07	24.06	27.08	<=33	Pass
		Inner 1RB Left	21.17	21.12	24.16	23.77	23.72	26.76	<=33	Pass
		Inner 1RB Right	21.53	21.58	24.57	24.13	24.18	27.17	<=33	Pass
	2595	Outer Full	20.29	20.28	23.29	22.89	22.88	25.90	<=33	Pass
		Inner Full	21.39	21.38	24.39	23.99	23.98	27.00	<=33	Pass
		Inner 1RB Left	21.50	21.47	24.50	24.10	24.07	27.10	<=33	Pass
		Inner 1RB Right	21.36	21.36	24.37	23.96	23.96	26.97	<=33	Pass
	2610	Outer Full	20.32	20.33	23.34	22.92	22.93	25.94	<=33	Pass
		Inner Full	21.33	21.32	24.33	23.93	23.92	26.94	<=33	Pass
		Inner 1RB Left	21.29	21.22	24.27	23.89	23.82	26.87	<=33	Pass
		Inner 1RB Right	21.58	21.66	24.63	24.18	24.26	27.23	<=33	Pass
CP-OFDM 64 QAM	2580	Outer Full	19.83	19.82	22.84	22.43	22.42	25.44	<=33	Pass
		Inner Full	19.79	19.78	22.80	22.39	22.38	25.40	<=33	Pass
		Inner 1RB Left	19.50	19.45	22.49	22.10	22.05	25.09	<=33	Pass
		Inner 1RB Right	19.85	19.90	22.88	22.45	22.50	25.49	<=33	Pass
	2595	Outer Full	19.79	19.78	22.80	22.39	22.38	25.40	<=33	Pass
		Inner Full	19.77	19.76	22.77	22.37	22.36	25.38	<=33	Pass
		Inner 1RB Left	19.68	19.65	22.68	22.28	22.25	25.28	<=33	Pass
		Inner 1RB Right	19.82	19.82	22.83	22.42	22.42	25.43	<=33	Pass
	2610	Outer Full	19.78	19.78	22.79	22.38	22.38	25.39	<=33	Pass
		Inner Full	19.68	19.67	22.69	22.28	22.27	25.29	<=33	Pass
		Inner 1RB Left	19.71	19.64	22.68	22.31	22.24	25.29	<=33	Pass
		Inner 1RB Right	19.75	19.83	22.80	22.35	22.43	25.40	<=33	Pass
CP-OFDM 256 QAM	2580	Outer Full	17.15	17.15	20.16	19.75	19.75	22.76	<=33	Pass
		Inner Full	17.17	17.15	20.17	19.77	19.75	22.77	<=33	Pass
		Inner 1RB Left	17.09	17.04	20.07	19.69	19.64	22.68	<=33	Pass
		Inner 1RB Right	17.26	17.30	20.29	19.86	19.90	22.89	<=33	Pass
	2595	Outer Full	17.16	17.15	20.16	19.76	19.75	22.77	<=33	Pass
		Inner Full	17.15	17.14	20.16	19.75	19.74	22.76	<=33	Pass
		Inner 1RB Left	17.13	17.09	20.12	19.73	19.69	22.72	<=33	Pass
		Inner 1RB Right	17.23	17.23	20.24	19.83	19.83	22.84	<=33	Pass
	2610	Outer Full	17.12	17.12	20.13	19.72	19.72	22.73	<=33	Pass
		Inner Full	17.20	17.19	20.21	19.80	19.79	22.81	<=33	Pass
		Inner 1RB Left	17.14	17.07	20.11	19.74	19.67	22.72	<=33	Pass
		Inner 1RB Right	17.31	17.39	20.36	19.91	19.99	22.96	<=33	Pass

Note1: Antenna Gain: Ant1: 2.60dBi; Ant2: 2.60dBi;

Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2

1.1.10 30k_MIMO_25MHz_NTNV_EIRP

5G NR n38 SCS=30kHz MIMO 25MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2582.5	Outer_Full	22.67	22.67	25.68	25.27	25.27	28.28	<=33	Pass
		Inner_Full	23.28	23.28	26.29	25.88	25.88	28.89	<=33	Pass
		Inner_1RB_Left	23.09	23.04	26.07	25.69	25.64	28.68	<=33	Pass
		Inner_1RB_Right	23.22	23.28	26.26	25.82	25.88	28.86	<=33	Pass
	2595	Outer_Full	22.76	22.75	25.77	25.36	25.35	28.37	<=33	Pass
		Inner_Full	23.27	23.26	26.27	25.87	25.86	28.88	<=33	Pass
		Inner_1RB_Left	23.24	23.20	26.23	25.84	25.80	28.83	<=33	Pass
		Inner_1RB_Right	23.33	23.34	26.34	25.93	25.94	28.95	<=33	Pass
	2607.5	Outer_Full	22.78	22.77	25.79	25.38	25.37	28.39	<=33	Pass
		Inner_Full	23.26	23.24	26.26	25.86	25.84	28.86	<=33	Pass
		Inner_1RB_Left	23.17	23.11	26.15	25.77	25.71	28.75	<=33	Pass
		Inner_1RB_Right	23.38	23.48	26.44	25.98	26.08	29.04	<=33	Pass
DFT-s-OFDM QPSK	2582.5	Outer_Full	22.19	22.19	25.20	24.79	24.79	27.80	<=33	Pass
		Inner_Full	23.28	23.28	26.29	25.88	25.88	28.89	<=33	Pass
		Inner_1RB_Left	23.13	23.07	26.11	25.73	25.67	28.71	<=33	Pass
		Inner_1RB_Right	23.26	23.32	26.30	25.86	25.92	28.90	<=33	Pass
	2595	Outer_Full	22.25	22.24	25.26	24.85	24.84	27.86	<=33	Pass
		Inner_Full	23.20	23.18	26.20	25.80	25.78	28.80	<=33	Pass
		Inner_1RB_Left	23.36	23.31	26.34	25.96	25.91	28.95	<=33	Pass
		Inner_1RB_Right	23.36	23.37	26.37	25.96	25.97	28.98	<=33	Pass
	2607.5	Outer_Full	22.24	22.23	25.24	24.84	24.83	27.85	<=33	Pass
		Inner_Full	23.22	23.20	26.22	25.82	25.80	28.82	<=33	Pass
		Inner_1RB_Left	23.26	23.20	26.24	25.86	25.80	28.84	<=33	Pass
		Inner_1RB_Right	23.44	23.54	26.50	26.04	26.14	29.10	<=33	Pass
DFT-s-OFDM 16 QAM	2582.5	Outer_Full	21.26	21.26	24.27	23.86	23.86	26.87	<=33	Pass
		Inner_Full	22.28	22.28	25.29	24.88	24.88	27.89	<=33	Pass
		Inner_1RB_Left	22.05	22.00	25.04	24.65	24.60	27.64	<=33	Pass
		Inner_1RB_Right	22.31	22.36	25.34	24.91	24.96	27.95	<=33	Pass
	2595	Outer_Full	21.27	21.26	24.27	23.87	23.86	26.88	<=33	Pass
		Inner_Full	22.23	22.22	25.24	24.83	24.82	27.84	<=33	Pass
		Inner_1RB_Left	22.35	22.30	25.33	24.95	24.90	27.94	<=33	Pass
		Inner_1RB_Right	22.47	22.48	25.49	25.07	25.08	28.09	<=33	Pass
	2607.5	Outer_Full	21.29	21.28	24.30	23.89	23.88	26.90	<=33	Pass
		Inner_Full	22.23	22.21	25.23	24.83	24.81	27.83	<=33	Pass
		Inner_1RB_Left	22.26	22.20	25.24	24.86	24.80	27.84	<=33	Pass
		Inner_1RB_Right	22.46	22.56	25.52	25.06	25.16	28.12	<=33	Pass
DFT-s-OFDM 64 QAM	2582.5	Outer_Full	20.73	20.74	23.75	23.33	23.34	26.35	<=33	Pass
		Inner_Full	20.75	20.76	23.77	23.35	23.36	26.37	<=33	Pass
		Inner_1RB_Left	20.66	20.61	23.65	23.26	23.21	26.25	<=33	Pass
		Inner_1RB_Right	20.86	20.92	23.90	23.46	23.52	26.50	<=33	Pass
	2595	Outer_Full	20.80	20.79	23.81	23.40	23.39	26.41	<=33	Pass
		Inner_Full	20.73	20.72	23.74	23.33	23.32	26.34	<=33	Pass
		Inner_1RB_Left	20.81	20.76	23.80	23.41	23.36	26.40	<=33	Pass
		Inner_1RB_Right	21.00	21.02	24.02	23.60	23.62	26.62	<=33	Pass
	2607.5	Outer_Full	20.68	20.67	23.68	23.28	23.27	26.29	<=33	Pass
		Inner_Full	20.69	20.67	23.69	23.29	23.27	26.29	<=33	Pass
		Inner_1RB_Left	20.70	20.64	23.68	23.30	23.24	26.28	<=33	Pass
		Inner_1RB_Right	20.88	20.98	23.94	23.48	23.58	26.54	<=33	Pass
DFT-s-OFDM 256 QAM	2582.5	Outer_Full	18.92	18.93	21.94	21.52	21.53	24.54	<=33	Pass
		Inner_Full	19.01	19.02	22.03	21.61	21.62	24.63	<=33	Pass

		Inner 1RB Left	18.71	18.66	21.70	21.31	21.26	24.30	<=33	Pass
		Inner 1RB Right	18.96	19.02	22.00	21.56	21.62	24.60	<=33	Pass
	2595	Outer Full	18.97	18.96	21.98	21.57	21.56	24.58	<=33	Pass
		Inner Full	18.96	18.95	21.97	21.56	21.55	24.57	<=33	Pass
		Inner 1RB Left	19.04	18.99	22.02	21.64	21.59	24.63	<=33	Pass
		Inner 1RB Right	19.13	19.15	22.15	21.73	21.75	24.75	<=33	Pass
	2607.5	Outer Full	18.98	18.97	21.99	21.58	21.57	24.59	<=33	Pass
		Inner Full	19.00	18.98	22.00	21.60	21.58	24.60	<=33	Pass
		Inner 1RB Left	18.95	18.89	21.93	21.55	21.49	24.53	<=33	Pass
		Inner 1RB Right	19.24	19.34	22.30	21.84	21.94	24.90	<=33	Pass
CP-OFDM QPSK	2582.5	Outer Full	20.15	20.16	23.17	22.75	22.76	25.77	<=33	Pass
		Inner Full	21.75	21.76	24.77	24.35	24.36	27.37	<=33	Pass
		Inner 1RB Left	21.60	21.55	24.58	24.20	24.15	27.19	<=33	Pass
		Inner 1RB Right	21.93	21.99	24.97	24.53	24.59	27.57	<=33	Pass
	2595	Outer Full	20.29	20.27	23.29	22.89	22.87	25.89	<=33	Pass
		Inner Full	21.77	21.76	24.77	24.37	24.36	27.38	<=33	Pass
		Inner 1RB Left	21.82	21.77	24.81	24.42	24.37	27.41	<=33	Pass
		Inner 1RB Right	21.80	21.82	24.82	24.40	24.42	27.42	<=33	Pass
	2607.5	Outer Full	20.30	20.30	23.31	22.90	22.90	25.91	<=33	Pass
		Inner Full	21.79	21.77	24.79	24.39	24.37	27.39	<=33	Pass
		Inner 1RB Left	21.60	21.54	24.58	24.20	24.14	27.18	<=33	Pass
		Inner 1RB Right	21.99	22.09	25.05	24.59	24.69	27.65	<=33	Pass
CP-OFDM 16 QAM	2582.5	Outer Full	20.12	20.13	23.14	22.72	22.73	25.74	<=33	Pass
		Inner Full	21.21	21.21	24.22	23.81	23.81	26.82	<=33	Pass
		Inner 1RB Left	21.12	21.07	24.11	23.72	23.67	26.71	<=33	Pass
		Inner 1RB Right	21.37	21.43	24.41	23.97	24.03	27.01	<=33	Pass
	2595	Outer Full	20.19	20.17	23.19	22.79	22.77	25.79	<=33	Pass
		Inner Full	21.23	21.22	24.23	23.83	23.82	26.84	<=33	Pass
		Inner 1RB Left	21.44	21.39	24.42	24.04	23.99	27.03	<=33	Pass
		Inner 1RB Right	21.53	21.55	24.55	24.13	24.15	27.15	<=33	Pass
	2607.5	Outer Full	20.28	20.28	23.29	22.88	22.88	25.89	<=33	Pass
		Inner Full	21.22	21.20	24.22	23.82	23.80	26.82	<=33	Pass
		Inner 1RB Left	21.39	21.33	24.37	23.99	23.93	26.97	<=33	Pass
		Inner 1RB Right	21.63	21.73	24.69	24.23	24.33	27.29	<=33	Pass
CP-OFDM 64 QAM	2582.5	Outer Full	19.64	19.65	22.65	22.24	22.25	25.26	<=33	Pass
		Inner Full	19.63	19.64	22.65	22.23	22.24	25.25	<=33	Pass
		Inner 1RB Left	19.74	19.69	22.72	22.34	22.29	25.33	<=33	Pass
		Inner 1RB Right	19.89	19.95	22.93	22.49	22.55	25.53	<=33	Pass
	2595	Outer Full	19.70	19.69	22.70	22.30	22.29	25.31	<=33	Pass
		Inner Full	19.74	19.73	22.74	22.34	22.33	25.35	<=33	Pass
		Inner 1RB Left	19.79	19.74	22.78	22.39	22.34	25.38	<=33	Pass
		Inner 1RB Right	19.98	19.99	23.00	22.58	22.59	25.60	<=33	Pass
	2607.5	Outer Full	19.73	19.73	22.74	22.33	22.33	25.34	<=33	Pass
		Inner Full	19.70	19.68	22.70	22.30	22.28	25.30	<=33	Pass
		Inner 1RB Left	19.55	19.49	22.53	22.15	22.09	25.13	<=33	Pass
		Inner 1RB Right	19.86	19.96	22.92	22.46	22.56	25.52	<=33	Pass
CP-OFDM 256 QAM	2582.5	Outer Full	16.94	16.94	19.95	19.54	19.54	22.55	<=33	Pass
		Inner Full	16.90	16.91	19.91	19.50	19.51	22.52	<=33	Pass
		Inner 1RB Left	16.86	16.81	19.84	19.46	19.41	22.45	<=33	Pass
		Inner 1RB Right	17.06	17.13	20.11	19.66	19.73	22.71	<=33	Pass
	2595	Outer Full	17.01	17.00	20.01	19.61	19.60	22.62	<=33	Pass
		Inner Full	16.98	16.97	19.98	19.58	19.57	22.59	<=33	Pass
		Inner 1RB Left	17.02	16.96	20.00	19.62	19.56	22.60	<=33	Pass
		Inner 1RB Right	17.12	17.13	20.14	19.72	19.73	22.74	<=33	Pass
	2607.5	Outer Full	16.98	16.98	19.99	19.58	19.58	22.59	<=33	Pass
		Inner Full	16.99	16.97	19.99	19.59	19.57	22.59	<=33	Pass
		Inner 1RB Left	17.04	16.98	20.02	19.64	19.58	22.62	<=33	Pass
		Inner 1RB Right	17.24	17.34	20.30	19.84	19.94	22.90	<=33	Pass

Note1: Antenna Gain: Ant1: 2.60dBi; Ant2: 2.60dBi;

Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2

1.1.11 30k_MIMO_30MHz_NTNV_EIRP

5G NR n38 SCS=30kHz MIMO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2585	Outer_Full	22.84	22.82	25.84	25.44	25.42	28.44	<=33	Pass
		Inner_Full	23.41	23.40	26.41	26.01	26.00	29.02	<=33	Pass
		Inner_1RB_Left	23.18	23.08	26.14	25.78	25.68	28.74	<=33	Pass
		Inner_1RB_Right	23.39	23.41	26.41	25.99	26.01	29.01	<=33	Pass
	2595	Outer_Full	22.93	22.91	25.93	25.53	25.51	28.53	<=33	Pass
		Inner_Full	23.34	23.32	26.34	25.94	25.92	28.94	<=33	Pass
		Inner_1RB_Left	23.28	23.22	26.26	25.88	25.82	28.86	<=33	Pass
		Inner_1RB_Right	23.42	23.45	26.45	26.02	26.05	29.05	<=33	Pass
	2605	Outer_Full	22.84	22.84	25.85	25.44	25.44	28.45	<=33	Pass
		Inner_Full	23.33	23.31	26.33	25.93	25.91	28.93	<=33	Pass
		Inner_1RB_Left	23.16	23.11	26.14	25.76	25.71	28.75	<=33	Pass
		Inner_1RB_Right	23.52	23.64	26.59	26.12	26.24	29.19	<=33	Pass
DFT-s-OFDM QPSK	2585	Outer_Full	22.31	22.28	25.31	24.91	24.88	27.91	<=33	Pass
		Inner_Full	23.35	23.34	26.36	25.95	25.94	28.96	<=33	Pass
		Inner_1RB_Left	23.14	23.03	26.10	25.74	25.63	28.70	<=33	Pass
		Inner_1RB_Right	23.32	23.34	26.34	25.92	25.94	28.94	<=33	Pass
	2595	Outer_Full	22.38	22.36	25.38	24.98	24.96	27.98	<=33	Pass
		Inner_Full	23.35	23.33	26.35	25.95	25.93	28.95	<=33	Pass
		Inner_1RB_Left	23.33	23.27	26.31	25.93	25.87	28.91	<=33	Pass
		Inner_1RB_Right	23.38	23.42	26.41	25.98	26.02	29.01	<=33	Pass
	2605	Outer_Full	22.34	22.34	25.35	24.94	24.94	27.95	<=33	Pass
		Inner_Full	23.45	23.43	26.45	26.05	26.03	29.05	<=33	Pass
		Inner_1RB_Left	23.23	23.18	26.21	25.83	25.78	28.82	<=33	Pass
		Inner_1RB_Right	23.52	23.63	26.59	26.12	26.23	29.19	<=33	Pass
DFT-s-OFDM 16 QAM	2585	Outer_Full	21.33	21.31	24.33	23.93	23.91	26.93	<=33	Pass
		Inner_Full	22.40	22.39	25.41	25.00	24.99	28.01	<=33	Pass
		Inner_1RB_Left	22.19	22.09	25.15	24.79	24.69	27.75	<=33	Pass
		Inner_1RB_Right	22.39	22.41	25.41	24.99	25.01	28.01	<=33	Pass
	2595	Outer_Full	21.49	21.47	24.49	24.09	24.07	27.09	<=33	Pass
		Inner_Full	22.34	22.32	25.34	24.94	24.92	27.94	<=33	Pass
		Inner_1RB_Left	22.34	22.27	25.32	24.94	24.87	27.92	<=33	Pass
		Inner_1RB_Right	22.32	22.35	25.34	24.92	24.95	27.95	<=33	Pass
	2605	Outer_Full	21.34	21.34	24.35	23.94	23.94	26.95	<=33	Pass
		Inner_Full	22.38	22.36	25.38	24.98	24.96	27.98	<=33	Pass
		Inner_1RB_Left	22.24	22.19	25.23	24.84	24.79	27.83	<=33	Pass
		Inner_1RB_Right	22.59	22.71	25.66	25.19	25.31	28.26	<=33	Pass
DFT-s-OFDM 64 QAM	2585	Outer_Full	20.83	20.81	23.83	23.43	23.41	26.43	<=33	Pass
		Inner_Full	20.86	20.84	23.86	23.46	23.44	26.46	<=33	Pass
		Inner_1RB_Left	20.68	20.58	23.64	23.28	23.18	26.24	<=33	Pass
		Inner_1RB_Right	20.83	20.85	23.85	23.43	23.45	26.45	<=33	Pass
	2595	Outer_Full	20.92	20.90	23.92	23.52	23.50	26.52	<=33	Pass
		Inner_Full	20.79	20.78	23.80	23.39	23.38	26.40	<=33	Pass
		Inner_1RB_Left	20.71	20.65	23.69	23.31	23.25	26.29	<=33	Pass
		Inner_1RB_Right	20.64	20.68	23.67	23.24	23.28	26.27	<=33	Pass
	2605	Outer_Full	20.87	20.86	23.88	23.47	23.46	26.48	<=33	Pass
		Inner_Full	20.83	20.81	23.83	23.43	23.41	26.43	<=33	Pass
		Inner_1RB_Left	20.77	20.72	23.75	23.37	23.32	26.36	<=33	Pass
		Inner_1RB_Right	20.94	21.05	24.00	23.54	23.65	26.61	<=33	Pass
DFT-s-OFDM 256 QAM	2585	Outer_Full	19.06	19.04	22.06	21.66	21.64	24.66	<=33	Pass
		Inner_Full	19.07	19.07	22.08	21.67	21.67	24.68	<=33	Pass

		Inner 1RB Left	18.92	18.83	21.89	21.52	21.43	24.49	<=33	Pass
		Inner 1RB Right	19.10	19.12	22.12	21.70	21.72	24.72	<=33	Pass
	2595	Outer Full	19.10	19.08	22.10	21.70	21.68	24.70	<=33	Pass
		Inner Full	19.09	19.07	22.09	21.69	21.67	24.69	<=33	Pass
		Inner 1RB Left	18.92	18.86	21.90	21.52	21.46	24.50	<=33	Pass
		Inner 1RB Right	19.13	19.16	22.16	21.73	21.76	24.76	<=33	Pass
	2605	Outer Full	19.08	19.08	22.09	21.68	21.68	24.69	<=33	Pass
		Inner Full	19.12	19.10	22.12	21.72	21.70	24.72	<=33	Pass
		Inner 1RB Left	18.93	18.89	21.92	21.53	21.49	24.52	<=33	Pass
		Inner 1RB Right	19.27	19.39	22.34	21.87	21.99	24.94	<=33	Pass
CP-OFDM QPSK	2585	Outer Full	20.26	20.25	23.26	22.86	22.85	25.87	<=33	Pass
		Inner Full	21.85	21.84	24.85	24.45	24.44	27.46	<=33	Pass
		Inner 1RB Left	21.47	21.38	24.44	24.07	23.98	27.04	<=33	Pass
		Inner 1RB Right	21.70	21.72	24.72	24.30	24.32	27.32	<=33	Pass
	2595	Outer Full	20.34	20.32	23.34	22.94	22.92	25.94	<=33	Pass
		Inner Full	21.78	21.77	24.78	24.38	24.37	27.39	<=33	Pass
		Inner 1RB Left	21.57	21.51	24.55	24.17	24.11	27.15	<=33	Pass
		Inner 1RB Right	21.75	21.78	24.78	24.35	24.38	27.38	<=33	Pass
	2605	Outer Full	20.44	20.44	23.45	23.04	23.04	26.05	<=33	Pass
		Inner Full	21.81	21.79	24.81	24.41	24.39	27.41	<=33	Pass
		Inner 1RB Left	21.63	21.58	24.61	24.23	24.18	27.22	<=33	Pass
		Inner 1RB Right	21.91	22.02	24.98	24.51	24.62	27.58	<=33	Pass
CP-OFDM 16 QAM	2585	Outer Full	20.29	20.28	23.30	22.89	22.88	25.90	<=33	Pass
		Inner Full	21.31	21.30	24.32	23.91	23.90	26.92	<=33	Pass
		Inner 1RB Left	21.31	21.21	24.27	23.91	23.81	26.87	<=33	Pass
		Inner 1RB Right	21.52	21.54	24.54	24.12	24.14	27.14	<=33	Pass
	2595	Outer Full	20.34	20.33	23.34	22.94	22.93	25.95	<=33	Pass
		Inner Full	21.32	21.30	24.32	23.92	23.90	26.92	<=33	Pass
		Inner 1RB Left	21.42	21.36	24.40	24.02	23.96	27.00	<=33	Pass
		Inner 1RB Right	21.51	21.55	24.54	24.11	24.15	27.14	<=33	Pass
	2605	Outer Full	20.33	20.34	23.35	22.93	22.94	25.95	<=33	Pass
		Inner Full	21.35	21.34	24.36	23.95	23.94	26.96	<=33	Pass
		Inner 1RB Left	21.31	21.26	24.30	23.91	23.86	26.90	<=33	Pass
		Inner 1RB Right	21.50	21.62	24.57	24.10	24.22	27.17	<=33	Pass
CP-OFDM 64 QAM	2585	Outer Full	19.75	19.73	22.75	22.35	22.33	25.35	<=33	Pass
		Inner Full	19.80	19.80	22.81	22.40	22.40	25.41	<=33	Pass
		Inner 1RB Left	19.48	19.38	22.44	22.08	21.98	25.04	<=33	Pass
		Inner 1RB Right	19.79	19.81	22.81	22.39	22.41	25.41	<=33	Pass
	2595	Outer Full	19.82	19.80	22.82	22.42	22.40	25.42	<=33	Pass
		Inner Full	19.79	19.78	22.80	22.39	22.38	25.40	<=33	Pass
		Inner 1RB Left	19.69	19.62	22.66	22.29	22.22	25.27	<=33	Pass
		Inner 1RB Right	19.68	19.72	22.71	22.28	22.32	25.31	<=33	Pass
	2605	Outer Full	19.81	19.81	22.82	22.41	22.41	25.42	<=33	Pass
		Inner Full	19.83	19.82	22.84	22.43	22.42	25.44	<=33	Pass
		Inner 1RB Left	19.60	19.55	22.59	22.20	22.15	25.19	<=33	Pass
		Inner 1RB Right	19.80	19.92	22.87	22.40	22.52	25.47	<=33	Pass
CP-OFDM 256 QAM	2585	Outer Full	17.02	17.01	20.03	19.62	19.61	22.63	<=33	Pass
		Inner Full	17.02	17.02	20.03	19.62	19.62	22.63	<=33	Pass
		Inner 1RB Left	16.83	16.73	19.79	19.43	19.33	22.39	<=33	Pass
		Inner 1RB Right	17.03	17.05	20.05	19.63	19.65	22.65	<=33	Pass
	2595	Outer Full	17.07	17.06	20.07	19.67	19.66	22.68	<=33	Pass
		Inner Full	16.96	16.95	19.96	19.56	19.55	22.57	<=33	Pass
		Inner 1RB Left	16.97	16.91	19.95	19.57	19.51	22.55	<=33	Pass
		Inner 1RB Right	17.20	17.23	20.23	19.80	19.83	22.83	<=33	Pass
	2605	Outer Full	17.09	17.09	20.10	19.69	19.69	22.70	<=33	Pass
		Inner Full	17.05	17.04	20.05	19.65	19.64	22.66	<=33	Pass
		Inner 1RB Left	17.02	16.97	20.01	19.62	19.57	22.61	<=33	Pass
		Inner 1RB Right	17.22	17.33	20.28	19.82	19.93	22.89	<=33	Pass

Note1: Antenna Gain: Ant1: 2.60dBi; Ant2: 2.60dBi;

Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2

1.1.12 30k_MIMO_40MHz_NTNV_EIRP

5G NR n38 SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2590	Outer_Full	22.83	22.81	25.83	25.43	25.41	28.43	<=33	Pass
		Inner_Full	23.29	23.29	26.30	25.89	25.89	28.90	<=33	Pass
		Inner_1RB_Left	23.14	23.02	26.09	25.74	25.62	28.69	<=33	Pass
		Inner_1RB_Right	23.33	23.41	26.38	25.93	26.01	28.98	<=33	Pass
	2595	Outer_Full	22.87	22.84	25.86	25.47	25.44	28.47	<=33	Pass
		Inner_Full	23.32	23.30	26.32	25.92	25.90	28.92	<=33	Pass
		Inner_1RB_Left	23.18	23.08	26.14	25.78	25.68	28.74	<=33	Pass
		Inner_1RB_Right	23.51	23.60	26.56	26.11	26.20	29.17	<=33	Pass
	2600	Outer_Full	22.84	22.83	25.85	25.44	25.43	28.45	<=33	Pass
		Inner_Full	23.32	23.30	26.32	25.92	25.90	28.92	<=33	Pass
		Inner_1RB_Left	23.27	23.17	26.23	25.87	25.77	28.83	<=33	Pass
		Inner_1RB_Right	23.53	23.67	26.61	26.13	26.27	29.21	<=33	Pass
DFT-s-OFDM QPSK	2590	Outer_Full	22.38	22.36	25.38	24.98	24.96	27.98	<=33	Pass
		Inner_Full	23.45	23.45	26.46	26.05	26.05	29.06	<=33	Pass
		Inner_1RB_Left	23.17	23.06	26.13	25.77	25.66	28.73	<=33	Pass
		Inner_1RB_Right	23.42	23.50	26.47	26.02	26.10	29.07	<=33	Pass
	2595	Outer_Full	22.40	22.38	25.40	25.00	24.98	28.00	<=33	Pass
		Inner_Full	23.42	23.40	26.42	26.02	26.00	29.02	<=33	Pass
		Inner_1RB_Left	23.23	23.12	26.18	25.83	25.72	28.79	<=33	Pass
		Inner_1RB_Right	23.54	23.63	26.60	26.14	26.23	29.20	<=33	Pass
	2600	Outer_Full	22.37	22.36	25.38	24.97	24.96	27.98	<=33	Pass
		Inner_Full	23.32	23.30	26.32	25.92	25.90	28.92	<=33	Pass
		Inner_1RB_Left	23.23	23.13	26.19	25.83	25.73	28.79	<=33	Pass
		Inner_1RB_Right	23.60	23.74	26.68	26.20	26.34	29.28	<=33	Pass
DFT-s-OFDM 16 QAM	2590	Outer_Full	21.37	21.35	24.37	23.97	23.95	26.97	<=33	Pass
		Inner_Full	22.33	22.33	25.34	24.93	24.93	27.94	<=33	Pass
		Inner_1RB_Left	22.23	22.12	25.18	24.83	24.72	27.79	<=33	Pass
		Inner_1RB_Right	22.50	22.58	25.55	25.10	25.18	28.15	<=33	Pass
	2595	Outer_Full	21.34	21.31	24.34	23.94	23.91	26.94	<=33	Pass
		Inner_Full	22.40	22.38	25.40	25.00	24.98	28.00	<=33	Pass
		Inner_1RB_Left	22.26	22.16	25.22	24.86	24.76	27.82	<=33	Pass
		Inner_1RB_Right	22.59	22.68	25.65	25.19	25.28	28.25	<=33	Pass
	2600	Outer_Full	21.43	21.42	24.43	24.03	24.02	27.04	<=33	Pass
		Inner_Full	22.39	22.37	25.39	24.99	24.97	27.99	<=33	Pass
		Inner_1RB_Left	22.31	22.21	25.27	24.91	24.81	27.87	<=33	Pass
		Inner_1RB_Right	22.49	22.62	25.57	25.09	25.22	28.17	<=33	Pass
DFT-s-OFDM 64 QAM	2590	Outer_Full	20.83	20.81	23.83	23.43	23.41	26.43	<=33	Pass
		Inner_Full	20.86	20.86	23.87	23.46	23.46	26.47	<=33	Pass
		Inner_1RB_Left	20.58	20.47	23.53	23.18	23.07	26.14	<=33	Pass
		Inner_1RB_Right	20.87	20.95	23.92	23.47	23.55	26.52	<=33	Pass
	2595	Outer_Full	20.92	20.90	23.92	23.52	23.50	26.52	<=33	Pass
		Inner_Full	20.84	20.82	23.84	23.44	23.42	26.44	<=33	Pass
		Inner_1RB_Left	20.66	20.56	23.62	23.26	23.16	26.22	<=33	Pass
		Inner_1RB_Right	20.99	21.08	24.05	23.59	23.68	26.65	<=33	Pass
	2600	Outer_Full	20.78	20.77	23.78	23.38	23.37	26.39	<=33	Pass
		Inner_Full	20.78	20.77	23.79	23.38	23.37	26.39	<=33	Pass
		Inner_1RB_Left	20.87	20.78	23.84	23.47	23.38	26.44	<=33	Pass
		Inner_1RB_Right	20.88	21.02	23.96	23.48	23.62	26.56	<=33	Pass
DFT-s-OFDM 256 QAM	2590	Outer_Full	19.05	19.04	22.05	21.65	21.64	24.66	<=33	Pass
		Inner_Full	19.08	19.07	22.08	21.68	21.67	24.69	<=33	Pass