

Note2: EIRP=Conducted Power+Antenna Gain

1.1.10 30k_SISO_100MHz_NTNV_EIRP

5G NR n41 SCS=30kHz SISO 100MHz 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	2546.01	Outer_Full	25.00	/	/	27.60	/	/	<=33	Pass
		Inner_Full	26.44	/	/	29.04	/	/	<=33	Pass
		Inner_1RB_Left	26.32	/	/	28.92	/	/	<=33	Pass
		Inner_1RB_Right	26.47	/	/	29.07	/	/	<=33	Pass
	2592.99	Outer_Full	24.96	/	/	27.56	/	/	<=33	Pass
		Inner_Full	26.46	/	/	29.06	/	/	<=33	Pass
		Inner_1RB_Left	26.18	/	/	28.78	/	/	<=33	Pass
		Inner_1RB_Right	26.65	/	/	29.25	/	/	<=33	Pass
	2640	Outer_Full	24.83	/	/	27.43	/	/	<=33	Pass
		Inner_Full	26.48	/	/	29.08	/	/	<=33	Pass
		Inner_1RB_Left	25.95	/	/	28.55	/	/	<=33	Pass
		Inner_1RB_Right	26.69	/	/	29.29	/	/	<=33	Pass
DFT-s-OFDM QPSK	2546.01	Outer_Full	24.49	/	/	27.09	/	/	<=33	Pass
		Inner_Full	26.55	/	/	29.15	/	/	<=33	Pass
		Inner_1RB_Left	26.23	/	/	28.83	/	/	<=33	Pass
		Inner_1RB_Right	26.39	/	/	28.99	/	/	<=33	Pass
	2592.99	Outer_Full	24.71	/	/	27.31	/	/	<=33	Pass
		Inner_Full	26.26	/	/	28.86	/	/	<=33	Pass
		Inner_1RB_Left	26.20	/	/	28.80	/	/	<=33	Pass
		Inner_1RB_Right	26.49	/	/	29.09	/	/	<=33	Pass
	2640	Outer_Full	24.79	/	/	27.39	/	/	<=33	Pass
		Inner_Full	26.32	/	/	28.92	/	/	<=33	Pass
		Inner_1RB_Left	25.93	/	/	28.53	/	/	<=33	Pass
		Inner_1RB_Right	26.52	/	/	29.12	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2546.01	Outer_Full	23.56	/	/	26.16	/	/	<=33	Pass
		Inner_Full	25.47	/	/	28.07	/	/	<=33	Pass
		Inner_1RB_Left	25.58	/	/	28.18	/	/	<=33	Pass
		Inner_1RB_Right	25.57	/	/	28.17	/	/	<=33	Pass
	2592.99	Outer_Full	23.42	/	/	26.02	/	/	<=33	Pass
		Inner_Full	25.40	/	/	28.00	/	/	<=33	Pass
		Inner_1RB_Left	25.30	/	/	27.90	/	/	<=33	Pass
		Inner_1RB_Right	25.84	/	/	28.44	/	/	<=33	Pass
	2640	Outer_Full	23.39	/	/	25.99	/	/	<=33	Pass
		Inner_Full	25.38	/	/	27.98	/	/	<=33	Pass
		Inner_1RB_Left	25.06	/	/	27.66	/	/	<=33	Pass
		Inner_1RB_Right	25.44	/	/	28.04	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2546.01	Outer_Full	23.06	/	/	25.66	/	/	<=33	Pass
		Inner_Full	23.47	/	/	26.07	/	/	<=33	Pass
		Inner_1RB_Left	23.32	/	/	25.92	/	/	<=33	Pass
		Inner_1RB_Right	23.46	/	/	26.06	/	/	<=33	Pass
	2592.99	Outer_Full	22.89	/	/	25.49	/	/	<=33	Pass
		Inner_Full	23.40	/	/	26.00	/	/	<=33	Pass
		Inner_1RB_Left	23.12	/	/	25.72	/	/	<=33	Pass
		Inner_1RB_Right	23.67	/	/	26.27	/	/	<=33	Pass
	2640	Outer_Full	22.85	/	/	25.45	/	/	<=33	Pass
		Inner_Full	23.57	/	/	26.17	/	/	<=33	Pass
		Inner_1RB_Left	22.90	/	/	25.50	/	/	<=33	Pass
		Inner_1RB_Right	23.52	/	/	26.12	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2546.01	Outer_Full	20.92	/	/	23.52	/	/	<=33	Pass
		Inner_Full	20.94	/	/	23.54	/	/	<=33	Pass

Note2: EIRP=Conducted Power+Antenna Gain

1.1.11 30k_MIMO_10MHz_NTNV_EIRP

5G NR n41 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	2501.01	Outer_Full	24.70	24.59	27.66	27.30	27.19	30.26	<=33	Pass
		Inner_Full	26.31	26.19	29.26	28.91	28.79	31.86	<=33	Pass
		Inner_1RB_Left	26.15	26.03	29.10	28.75	28.63	31.70	<=33	Pass
		Inner_1RB_Right	26.17	26.06	29.13	28.77	28.66	31.73	<=33	Pass
	2592.99	Outer_Full	25.05	25.05	28.06	27.65	27.65	30.66	<=33	Pass
		Inner_Full	26.52	26.52	29.53	29.12	29.12	32.13	<=33	Pass
		Inner_1RB_Left	26.41	26.40	29.42	29.01	29.00	32.02	<=33	Pass
		Inner_1RB_Right	26.30	26.29	29.30	28.90	28.89	31.91	<=33	Pass
	2685	Outer_Full	25.21	25.22	28.22	27.81	27.82	30.83	<=33	Pass
		Inner_Full	26.62	26.63	29.63	29.22	29.23	32.24	<=33	Pass
		Inner_1RB_Left	26.56	26.55	29.57	29.16	29.15	32.17	<=33	Pass
		Inner_1RB_Right	26.53	26.56	29.56	29.13	29.16	32.16	<=33	Pass
DFT-s-OFDM QPSK	2501.01	Outer_Full	24.24	24.13	27.20	26.84	26.73	29.80	<=33	Pass
		Inner_Full	26.29	26.17	29.24	28.89	28.77	31.84	<=33	Pass
		Inner_1RB_Left	26.04	25.92	28.99	28.64	28.52	31.59	<=33	Pass
		Inner_1RB_Right	26.16	26.05	29.12	28.76	28.65	31.72	<=33	Pass
	2592.99	Outer_Full	24.50	24.49	27.51	27.10	27.09	30.11	<=33	Pass
		Inner_Full	26.51	26.51	29.52	29.11	29.11	32.12	<=33	Pass
		Inner_1RB_Left	26.40	26.39	29.41	29.00	28.99	32.01	<=33	Pass
		Inner_1RB_Right	26.40	26.39	29.41	29.00	28.99	32.01	<=33	Pass
	2685	Outer_Full	24.71	24.72	27.72	27.31	27.32	30.33	<=33	Pass
		Inner_Full	26.71	26.72	29.73	29.31	29.32	32.33	<=33	Pass
		Inner_1RB_Left	26.48	26.48	29.49	29.08	29.08	32.09	<=33	Pass
		Inner_1RB_Right	26.50	26.53	29.53	29.10	29.13	32.13	<=33	Pass
DFT-s-OFDM 16 QAM	2501.01	Outer_Full	23.25	23.14	26.21	25.85	25.74	28.81	<=33	Pass
		Inner_Full	25.29	25.17	28.24	27.89	27.77	30.84	<=33	Pass
		Inner_1RB_Left	25.39	25.28	28.35	27.99	27.88	30.95	<=33	Pass
		Inner_1RB_Right	25.43	25.32	28.38	28.03	27.92	30.99	<=33	Pass
	2592.99	Outer_Full	23.52	23.52	26.53	26.12	26.12	29.13	<=33	Pass
		Inner_Full	25.53	25.53	28.54	28.13	28.13	31.14	<=33	Pass
		Inner_1RB_Left	25.69	25.68	28.69	28.29	28.28	31.30	<=33	Pass
		Inner_1RB_Right	25.61	25.61	28.62	28.21	28.21	31.22	<=33	Pass
	2685	Outer_Full	23.57	23.58	26.58	26.17	26.18	29.19	<=33	Pass
		Inner_Full	25.71	25.72	28.73	28.31	28.32	31.33	<=33	Pass
		Inner_1RB_Left	25.80	25.80	28.81	28.40	28.40	31.41	<=33	Pass
		Inner_1RB_Right	25.78	25.80	28.80	28.38	28.40	31.40	<=33	Pass
DFT-s-OFDM 64 QAM	2501.01	Outer_Full	22.76	22.65	25.72	25.36	25.25	28.32	<=33	Pass
		Inner_Full	23.32	23.20	26.27	25.92	25.80	28.87	<=33	Pass
		Inner_1RB_Left	23.25	23.13	26.20	25.85	25.73	28.80	<=33	Pass
		Inner_1RB_Right	23.39	23.28	26.35	25.99	25.88	28.95	<=33	Pass
	2592.99	Outer_Full	23.02	23.02	26.03	25.62	25.62	28.63	<=33	Pass
		Inner_Full	23.52	23.52	26.53	26.12	26.12	29.13	<=33	Pass
		Inner_1RB_Left	23.75	23.74	26.76	26.35	26.34	29.36	<=33	Pass
		Inner_1RB_Right	23.63	23.62	26.63	26.23	26.22	29.24	<=33	Pass
	2685	Outer_Full	23.14	23.16	26.16	25.74	25.76	28.76	<=33	Pass
		Inner_Full	23.64	23.65	26.65	26.24	26.25	29.26	<=33	Pass
		Inner_1RB_Left	23.67	23.67	26.68	26.27	26.27	29.28	<=33	Pass
		Inner_1RB_Right	23.57	23.60	26.59	26.17	26.20	29.20	<=33	Pass
DFT-s-OFDM 256 QAM	2501.01	Outer_Full	20.76	20.64	23.71	23.36	23.24	26.31	<=33	Pass
		Inner_Full	20.72	20.60	23.67	23.32	23.20	26.27	<=33	Pass

		Inner_1RB_Left	20.45	20.33	23.40	23.05	22.93	26.00	<=33	Pass
		Inner_1RB_Right	20.59	20.49	23.55	23.19	23.09	26.15	<=33	Pass
	2592.99	Outer_Full	21.04	21.04	24.05	23.64	23.64	26.65	<=33	Pass
		Inner_Full	20.99	20.99	24.00	23.59	23.59	26.60	<=33	Pass
		Inner_1RB_Left	20.74	20.73	23.75	23.34	23.33	26.35	<=33	Pass
		Inner_1RB_Right	20.80	20.80	23.81	23.40	23.40	26.41	<=33	Pass
	2685	Outer_Full	21.06	21.07	24.08	23.66	23.67	26.68	<=33	Pass
		Inner_Full	21.14	21.15	24.15	23.74	23.75	26.76	<=33	Pass
		Inner_1RB_Left	20.97	20.97	23.98	23.57	23.57	26.58	<=33	Pass
		Inner_1RB_Right	21.00	21.03	24.03	23.60	23.63	26.63	<=33	Pass
CP-OFDM QPSK	2501.01	Outer_Full	22.32	22.20	25.27	24.92	24.80	27.87	<=33	Pass
		Inner_Full	24.84	24.72	27.79	27.44	27.32	30.39	<=33	Pass
		Inner_1RB_Left	24.78	24.66	27.73	27.38	27.26	30.33	<=33	Pass
		Inner_1RB_Right	24.77	24.66	27.73	27.37	27.26	30.33	<=33	Pass
	2592.99	Outer_Full	22.54	22.53	25.55	25.14	25.13	28.15	<=33	Pass
		Inner_Full	25.04	25.04	28.05	27.64	27.64	30.65	<=33	Pass
		Inner_1RB_Left	25.12	25.11	28.12	27.72	27.71	30.73	<=33	Pass
		Inner_1RB_Right	25.07	25.07	28.08	27.67	27.67	30.68	<=33	Pass
	2685	Outer_Full	22.64	22.65	25.65	25.24	25.25	28.26	<=33	Pass
		Inner_Full	25.22	25.23	28.23	27.82	27.83	30.84	<=33	Pass
		Inner_1RB_Left	25.15	25.15	28.16	27.75	27.75	30.76	<=33	Pass
		Inner_1RB_Right	24.94	24.96	27.96	27.54	27.56	30.56	<=33	Pass
CP-OFDM 16 QAM	2501.01	Outer_Full	22.28	22.16	25.23	24.88	24.76	27.83	<=33	Pass
		Inner_Full	24.28	24.16	27.23	26.88	26.76	29.83	<=33	Pass
		Inner_1RB_Left	24.47	24.35	27.42	27.07	26.95	30.02	<=33	Pass
		Inner_1RB_Right	24.56	24.45	27.51	27.16	27.05	30.12	<=33	Pass
	2592.99	Outer_Full	22.52	22.51	25.52	25.12	25.11	28.13	<=33	Pass
		Inner_Full	24.68	24.67	27.69	27.28	27.27	30.29	<=33	Pass
		Inner_1RB_Left	24.79	24.79	27.80	27.39	27.39	30.40	<=33	Pass
		Inner_1RB_Right	24.61	24.61	27.62	27.21	27.21	30.22	<=33	Pass
	2685	Outer_Full	22.71	22.72	25.73	25.31	25.32	28.33	<=33	Pass
		Inner_Full	24.71	24.72	27.73	27.31	27.32	30.33	<=33	Pass
		Inner_1RB_Left	24.85	24.85	27.86	27.45	27.45	30.46	<=33	Pass
		Inner_1RB_Right	24.80	24.82	27.82	27.40	27.42	30.42	<=33	Pass
CP-OFDM 64 QAM	2501.01	Outer_Full	21.72	21.61	24.68	24.32	24.21	27.28	<=33	Pass
		Inner_Full	22.25	22.12	25.20	24.85	24.72	27.80	<=33	Pass
		Inner_1RB_Left	22.25	22.13	25.20	24.85	24.73	27.80	<=33	Pass
		Inner_1RB_Right	22.35	22.24	25.31	24.95	24.84	27.91	<=33	Pass
	2592.99	Outer_Full	22.02	22.02	25.03	24.62	24.62	27.63	<=33	Pass
		Inner_Full	22.61	22.61	25.62	25.21	25.21	28.22	<=33	Pass
		Inner_1RB_Left	22.56	22.56	25.57	25.16	25.16	28.17	<=33	Pass
		Inner_1RB_Right	22.59	22.59	25.60	25.19	25.19	28.20	<=33	Pass
	2685	Outer_Full	22.21	22.22	25.23	24.81	24.82	27.83	<=33	Pass
		Inner_Full	22.69	22.69	25.70	25.29	25.29	28.30	<=33	Pass
		Inner_1RB_Left	22.58	22.58	25.59	25.18	25.18	28.19	<=33	Pass
		Inner_1RB_Right	22.53	22.55	25.55	25.13	25.15	28.15	<=33	Pass
CP-OFDM 256 QAM	2501.01	Outer_Full	18.70	18.59	21.66	21.30	21.19	24.26	<=33	Pass
		Inner_Full	18.87	18.75	21.82	21.47	21.35	24.42	<=33	Pass
		Inner_1RB_Left	18.61	18.49	21.56	21.21	21.09	24.16	<=33	Pass
		Inner_1RB_Right	18.67	18.56	21.62	21.27	21.16	24.23	<=33	Pass
	2592.99	Outer_Full	18.91	18.91	21.92	21.51	21.51	24.52	<=33	Pass
		Inner_Full	18.95	18.96	21.97	21.55	21.56	24.57	<=33	Pass
		Inner_1RB_Left	18.88	18.88	21.89	21.48	21.48	24.49	<=33	Pass
		Inner_1RB_Right	18.88	18.88	21.89	21.48	21.48	24.49	<=33	Pass
	2685	Outer_Full	19.12	19.13	22.14	21.72	21.73	24.74	<=33	Pass
		Inner_Full	19.10	19.11	22.12	21.70	21.71	24.72	<=33	Pass
		Inner_1RB_Left	19.13	19.13	22.14	21.73	21.73	24.74	<=33	Pass
		Inner_1RB_Right	19.13	19.15	22.15	21.73	21.75	24.75	<=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_15MHz_NTNV_EIRP

5G NR n41 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	2503.5	Outer_Full	24.83	24.74	27.80	27.43	27.34	30.40	<=33	Pass
		Inner_Full	26.24	26.15	29.21	28.84	28.75	31.81	<=33	Pass
		Inner_1RB_Left	26.09	25.98	29.05	28.69	28.58	31.65	<=33	Pass
		Inner_1RB_Right	26.21	26.16	29.19	28.81	28.76	31.80	<=33	Pass
	2592.99	Outer_Full	25.10	25.09	28.11	27.70	27.69	30.71	<=33	Pass
		Inner_Full	26.51	26.51	29.52	29.11	29.11	32.12	<=33	Pass
		Inner_1RB_Left	26.49	26.48	29.49	29.09	29.08	32.10	<=33	Pass
		Inner_1RB_Right	26.40	26.39	29.41	29.00	28.99	32.01	<=33	Pass
	2682.48	Outer_Full	25.23	25.23	28.24	27.83	27.83	30.84	<=33	Pass
		Inner_Full	26.61	26.61	29.62	29.21	29.21	32.22	<=33	Pass
		Inner_1RB_Left	26.46	26.43	29.46	29.06	29.03	32.06	<=33	Pass
		Inner_1RB_Right	26.51	26.53	29.53	29.11	29.13	32.13	<=33	Pass
DFT-s-OFDM QPSK	2503.5	Outer_Full	24.30	24.21	27.27	26.90	26.81	29.87	<=33	Pass
		Inner_Full	26.25	26.16	29.22	28.85	28.76	31.82	<=33	Pass
		Inner_1RB_Left	26.15	26.04	29.11	28.75	28.64	31.71	<=33	Pass
		Inner_1RB_Right	26.22	26.17	29.21	28.82	28.77	31.81	<=33	Pass
	2592.99	Outer_Full	24.58	24.58	27.59	27.18	27.18	30.19	<=33	Pass
		Inner_Full	26.53	26.53	29.54	29.13	29.13	32.14	<=33	Pass
		Inner_1RB_Left	26.48	26.47	29.48	29.08	29.07	32.09	<=33	Pass
		Inner_1RB_Right	26.48	26.47	29.48	29.08	29.07	32.09	<=33	Pass
	2682.48	Outer_Full	24.68	24.68	27.69	27.28	27.28	30.29	<=33	Pass
		Inner_Full	26.65	26.65	29.66	29.25	29.25	32.26	<=33	Pass
		Inner_1RB_Left	26.54	26.51	29.53	29.14	29.11	32.14	<=33	Pass
		Inner_1RB_Right	26.63	26.66	29.66	29.23	29.26	32.26	<=33	Pass
DFT-s-OFDM 16 QAM	2503.5	Outer_Full	23.33	23.24	26.30	25.93	25.84	28.90	<=33	Pass
		Inner_Full	25.31	25.22	28.28	27.91	27.82	30.88	<=33	Pass
		Inner_1RB_Left	25.31	25.20	28.27	27.91	27.80	30.87	<=33	Pass
		Inner_1RB_Right	25.47	25.42	28.46	28.07	28.02	31.06	<=33	Pass
	2592.99	Outer_Full	23.56	23.56	26.57	26.16	26.16	29.17	<=33	Pass
		Inner_Full	25.62	25.62	28.63	28.22	28.22	31.23	<=33	Pass
		Inner_1RB_Left	25.74	25.73	28.75	28.34	28.33	31.35	<=33	Pass
		Inner_1RB_Right	25.67	25.66	28.67	28.27	28.26	31.28	<=33	Pass
	2682.48	Outer_Full	23.68	23.68	26.69	26.28	26.28	29.29	<=33	Pass
		Inner_Full	25.71	25.71	28.72	28.31	28.31	31.32	<=33	Pass
		Inner_1RB_Left	25.74	25.71	28.74	28.34	28.31	31.34	<=33	Pass
		Inner_1RB_Right	25.73	25.75	28.75	28.33	28.35	31.35	<=33	Pass
DFT-s-OFDM 64 QAM	2503.5	Outer_Full	22.79	22.70	25.76	25.39	25.30	28.36	<=33	Pass
		Inner_Full	23.30	23.20	26.26	25.90	25.80	28.86	<=33	Pass
		Inner_1RB_Left	23.28	23.17	26.24	25.88	25.77	28.84	<=33	Pass
		Inner_1RB_Right	23.41	23.36	26.39	26.01	25.96	29.00	<=33	Pass
	2592.99	Outer_Full	23.10	23.09	26.11	25.70	25.69	28.71	<=33	Pass
		Inner_Full	23.70	23.70	26.71	26.30	26.30	29.31	<=33	Pass
		Inner_1RB_Left	23.63	23.62	26.63	26.23	26.22	29.24	<=33	Pass
		Inner_1RB_Right	23.53	23.53	26.54	26.13	26.13	29.14	<=33	Pass
	2682.48	Outer_Full	23.10	23.10	26.11	25.70	25.70	28.71	<=33	Pass
		Inner_Full	23.72	23.72	26.73	26.32	26.32	29.33	<=33	Pass
		Inner_1RB_Left	23.63	23.60	26.62	26.23	26.20	29.23	<=33	Pass
		Inner_1RB_Right	23.62	23.65	26.64	26.22	26.25	29.25	<=33	Pass
DFT-s-OFDM 256 QAM	2503.5	Outer_Full	20.79	20.70	23.76	23.39	23.30	26.36	<=33	Pass
		Inner_Full	20.70	20.61	23.67	23.30	23.21	26.27	<=33	Pass

		Inner 1RB Left	20.75	20.65	23.72	23.35	23.25	26.31	<=33	Pass
		Inner 1RB Right	20.78	20.74	23.77	23.38	23.34	26.37	<=33	Pass
	2592.99	Outer Full	21.07	21.07	24.08	23.67	23.67	26.68	<=33	Pass
		Inner Full	20.96	20.95	23.96	23.56	23.55	26.57	<=33	Pass
		Inner 1RB Left	21.02	21.01	24.03	23.62	23.61	26.63	<=33	Pass
		Inner 1RB Right	21.09	21.09	24.10	23.69	23.69	26.70	<=33	Pass
	2682.48	Outer Full	21.11	21.12	24.12	23.71	23.72	26.73	<=33	Pass
		Inner Full	21.10	21.10	24.11	23.70	23.70	26.71	<=33	Pass
		Inner 1RB Left	21.14	21.11	24.14	23.74	23.71	26.74	<=33	Pass
		Inner 1RB Right	21.20	21.23	24.22	23.80	23.83	26.83	<=33	Pass
CP-OFDM QPSK	2503.5	Outer Full	22.30	22.21	25.26	24.90	24.81	27.87	<=33	Pass
		Inner Full	24.94	24.84	27.90	27.54	27.44	30.50	<=33	Pass
		Inner 1RB Left	24.57	24.47	27.53	27.17	27.07	30.13	<=33	Pass
		Inner 1RB Right	24.70	24.66	27.69	27.30	27.26	30.29	<=33	Pass
	2592.99	Outer Full	22.58	22.57	25.58	25.18	25.17	28.19	<=33	Pass
		Inner Full	25.11	25.11	28.12	27.71	27.71	30.72	<=33	Pass
		Inner 1RB Left	24.89	24.88	27.90	27.49	27.48	30.50	<=33	Pass
		Inner 1RB Right	24.89	24.89	27.90	27.49	27.49	30.50	<=33	Pass
	2682.48	Outer Full	22.68	22.69	25.70	25.28	25.29	28.30	<=33	Pass
		Inner Full	25.26	25.27	28.28	27.86	27.87	30.88	<=33	Pass
		Inner 1RB Left	25.23	25.20	28.23	27.83	27.80	30.83	<=33	Pass
		Inner 1RB Right	25.30	25.32	28.32	27.90	27.92	30.92	<=33	Pass
CP-OFDM 16 QAM	2503.5	Outer Full	22.31	22.22	25.27	24.91	24.82	27.88	<=33	Pass
		Inner Full	24.42	24.32	27.38	27.02	26.92	29.98	<=33	Pass
		Inner 1RB Left	24.44	24.34	27.40	27.04	26.94	30.00	<=33	Pass
		Inner 1RB Right	24.56	24.52	27.55	27.16	27.12	30.15	<=33	Pass
	2592.99	Outer Full	22.57	22.56	25.57	25.17	25.16	28.18	<=33	Pass
		Inner Full	24.68	24.68	27.69	27.28	27.28	30.29	<=33	Pass
		Inner 1RB Left	24.81	24.80	27.82	27.41	27.40	30.42	<=33	Pass
		Inner 1RB Right	24.72	24.71	27.73	27.32	27.31	30.33	<=33	Pass
	2682.48	Outer Full	22.64	22.64	25.65	25.24	25.24	28.25	<=33	Pass
		Inner Full	24.69	24.70	27.71	27.29	27.30	30.31	<=33	Pass
		Inner 1RB Left	24.75	24.72	27.74	27.35	27.32	30.35	<=33	Pass
		Inner 1RB Right	24.73	24.75	27.75	27.33	27.35	30.35	<=33	Pass
CP-OFDM 64 QAM	2503.5	Outer Full	21.76	21.68	24.73	24.36	24.28	27.33	<=33	Pass
		Inner Full	22.28	22.18	25.24	24.88	24.78	27.84	<=33	Pass
		Inner 1RB Left	21.98	21.87	24.94	24.58	24.47	27.54	<=33	Pass
		Inner 1RB Right	22.17	22.12	25.15	24.77	24.72	27.76	<=33	Pass
	2592.99	Outer Full	22.04	22.04	25.05	24.64	24.64	27.65	<=33	Pass
		Inner Full	22.50	22.49	25.51	25.10	25.09	28.11	<=33	Pass
		Inner 1RB Left	22.47	22.46	25.48	25.07	25.06	28.08	<=33	Pass
		Inner 1RB Right	22.45	22.45	25.46	25.05	25.05	28.06	<=33	Pass
	2682.48	Outer Full	22.29	22.29	25.30	24.89	24.89	27.90	<=33	Pass
		Inner Full	22.72	22.73	25.74	25.32	25.33	28.34	<=33	Pass
		Inner 1RB Left	22.70	22.67	25.69	25.30	25.27	28.30	<=33	Pass
		Inner 1RB Right	22.84	22.86	25.86	25.44	25.46	28.46	<=33	Pass
CP-OFDM 256 QAM	2503.5	Outer Full	18.75	18.67	21.72	21.35	21.27	24.32	<=33	Pass
		Inner Full	18.85	18.76	21.81	21.45	21.36	24.42	<=33	Pass
		Inner 1RB Left	18.73	18.63	21.69	21.33	21.23	24.29	<=33	Pass
		Inner 1RB Right	18.84	18.80	21.83	21.44	21.40	24.43	<=33	Pass
	2592.99	Outer Full	18.96	18.96	21.97	21.56	21.56	24.57	<=33	Pass
		Inner Full	19.14	19.14	22.15	21.74	21.74	24.75	<=33	Pass
		Inner 1RB Left	19.08	19.07	22.08	21.68	21.67	24.69	<=33	Pass
		Inner 1RB Right	19.01	19.01	22.02	21.61	21.61	24.62	<=33	Pass
	2682.48	Outer Full	19.11	19.11	22.12	21.71	21.71	24.72	<=33	Pass
		Inner Full	19.09	19.10	22.11	21.69	21.70	24.71	<=33	Pass
		Inner 1RB Left	18.99	18.96	21.98	21.59	21.56	24.59	<=33	Pass
		Inner 1RB Right	18.99	19.01	22.01	21.59	21.61	24.61	<=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

1.1.13 30k_MIMO_20MHz_NTNV_EIRP

5G NR n41 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	2506.02	Outer_Full	24.81	24.73	27.78	27.41	27.33	30.38	<=33	Pass
		Inner_Full	26.30	26.20	29.26	28.90	28.80	31.86	<=33	Pass
		Inner_1RB_Left	26.07	25.96	29.03	28.67	28.56	31.63	<=33	Pass
		Inner_1RB_Right	26.28	26.27	29.28	28.88	28.87	31.89	<=33	Pass
	2592.99	Outer_Full	25.13	25.13	28.14	27.73	27.73	30.74	<=33	Pass
		Inner_Full	26.59	26.58	29.60	29.19	29.18	32.20	<=33	Pass
		Inner_1RB_Left	26.45	26.43	29.45	29.05	29.03	32.05	<=33	Pass
		Inner_1RB_Right	26.49	26.49	29.50	29.09	29.09	32.10	<=33	Pass
	2679.99	Outer_Full	25.27	25.26	28.28	27.87	27.86	30.88	<=33	Pass
		Inner_Full	26.73	26.72	29.73	29.33	29.32	32.34	<=33	Pass
		Inner_1RB_Left	26.66	26.60	29.64	29.26	29.20	32.24	<=33	Pass
		Inner_1RB_Right	26.65	26.66	29.67	29.25	29.26	32.27	<=33	Pass
DFT-s-OFDM QPSK	2506.02	Outer_Full	24.30	24.22	27.27	26.90	26.82	29.87	<=33	Pass
		Inner_Full	26.32	26.22	29.28	28.92	28.82	31.88	<=33	Pass
		Inner_1RB_Left	26.05	25.94	29.00	28.65	28.54	31.61	<=33	Pass
		Inner_1RB_Right	26.36	26.35	29.36	28.96	28.95	31.97	<=33	Pass
	2592.99	Outer_Full	24.55	24.55	27.56	27.15	27.15	30.16	<=33	Pass
		Inner_Full	26.61	26.61	29.62	29.21	29.21	32.22	<=33	Pass
		Inner_1RB_Left	26.38	26.36	29.38	28.98	28.96	31.98	<=33	Pass
		Inner_1RB_Right	26.46	26.46	29.47	29.06	29.06	32.07	<=33	Pass
	2679.99	Outer_Full	24.76	24.75	27.77	27.36	27.35	30.37	<=33	Pass
		Inner_Full	26.70	26.69	29.71	29.30	29.29	32.31	<=33	Pass
		Inner_1RB_Left	26.62	26.56	29.60	29.22	29.16	32.20	<=33	Pass
		Inner_1RB_Right	26.60	26.61	29.62	29.20	29.21	32.22	<=33	Pass
DFT-s-OFDM 16 QAM	2506.02	Outer_Full	23.31	23.23	26.28	25.91	25.83	28.88	<=33	Pass
		Inner_Full	25.38	25.29	28.35	27.98	27.89	30.95	<=33	Pass
		Inner_1RB_Left	25.42	25.31	28.38	28.02	27.91	30.98	<=33	Pass
		Inner_1RB_Right	25.51	25.50	28.52	28.11	28.10	31.12	<=33	Pass
	2592.99	Outer_Full	23.52	23.51	26.52	26.12	26.11	29.13	<=33	Pass
		Inner_Full	25.64	25.63	28.64	28.24	28.23	31.25	<=33	Pass
		Inner_1RB_Left	25.79	25.77	28.79	28.39	28.37	31.39	<=33	Pass
		Inner_1RB_Right	25.75	25.75	28.76	28.35	28.35	31.36	<=33	Pass
	2679.99	Outer_Full	23.70	23.69	26.71	26.30	26.29	29.31	<=33	Pass
		Inner_Full	25.81	25.80	28.82	28.41	28.40	31.42	<=33	Pass
		Inner_1RB_Left	25.97	25.91	28.95	28.57	28.51	31.55	<=33	Pass
		Inner_1RB_Right	25.94	25.95	28.96	28.54	28.55	31.56	<=33	Pass
DFT-s-OFDM 64 QAM	2506.02	Outer_Full	22.75	22.67	25.72	25.35	25.27	28.32	<=33	Pass
		Inner_Full	23.25	23.16	26.22	25.85	25.76	28.82	<=33	Pass
		Inner_1RB_Left	23.35	23.24	26.31	25.95	25.84	28.91	<=33	Pass
		Inner_1RB_Right	23.27	23.26	26.28	25.87	25.86	28.88	<=33	Pass
	2592.99	Outer_Full	23.03	23.02	26.04	25.63	25.62	28.64	<=33	Pass
		Inner_Full	23.58	23.58	26.59	26.18	26.18	29.19	<=33	Pass
		Inner_1RB_Left	23.52	23.50	26.52	26.12	26.10	29.12	<=33	Pass
		Inner_1RB_Right	23.51	23.51	26.52	26.11	26.11	29.12	<=33	Pass
	2679.99	Outer_Full	23.21	23.20	26.22	25.81	25.80	28.82	<=33	Pass
		Inner_Full	23.72	23.71	26.72	26.32	26.31	29.33	<=33	Pass
		Inner_1RB_Left	23.79	23.73	26.77	26.39	26.33	29.37	<=33	Pass
		Inner_1RB_Right	23.77	23.78	26.78	26.37	26.38	29.39	<=33	Pass
DFT-s-OFDM 256 QAM	2506.02	Outer_Full	20.79	20.72	23.76	23.39	23.32	26.37	<=33	Pass
		Inner_Full	20.70	20.61	23.66	23.30	23.21	26.27	<=33	Pass

		Inner 1RB Left	20.48	20.37	23.44	23.08	22.97	26.04	<=33	Pass
		Inner 1RB Right	20.71	20.71	23.72	23.31	23.31	26.32	<=33	Pass
	2592.99	Outer Full	20.99	20.99	24.00	23.59	23.59	26.60	<=33	Pass
		Inner Full	20.93	20.93	23.94	23.53	23.53	26.54	<=33	Pass
		Inner 1RB Left	20.83	20.81	23.83	23.43	23.41	26.43	<=33	Pass
		Inner 1RB Right	20.89	20.90	23.91	23.49	23.50	26.51	<=33	Pass
	2679.99	Outer Full	21.18	21.16	24.18	23.78	23.76	26.78	<=33	Pass
		Inner Full	21.19	21.18	24.19	23.79	23.78	26.80	<=33	Pass
		Inner 1RB Left	21.15	21.08	24.13	23.75	23.68	26.73	<=33	Pass
		Inner 1RB Right	21.07	21.08	24.09	23.67	23.68	26.69	<=33	Pass
CP-OFDM QPSK	2506.02	Outer Full	22.38	22.30	25.35	24.98	24.90	27.95	<=33	Pass
		Inner Full	24.82	24.72	27.78	27.42	27.32	30.38	<=33	Pass
		Inner 1RB Left	24.70	24.59	27.65	27.30	27.19	30.26	<=33	Pass
		Inner 1RB Right	25.00	25.00	28.01	27.60	27.60	30.61	<=33	Pass
	2592.99	Outer Full	22.60	22.59	25.60	25.20	25.19	28.21	<=33	Pass
		Inner Full	25.14	25.13	28.15	27.74	27.73	30.75	<=33	Pass
		Inner 1RB Left	25.16	25.14	28.16	27.76	27.74	30.76	<=33	Pass
		Inner 1RB Right	25.32	25.32	28.33	27.92	27.92	30.93	<=33	Pass
	2679.99	Outer Full	22.76	22.74	25.76	25.36	25.34	28.36	<=33	Pass
		Inner Full	25.28	25.27	28.28	27.88	27.87	30.89	<=33	Pass
		Inner 1RB Left	25.44	25.38	28.42	28.04	27.98	31.02	<=33	Pass
		Inner 1RB Right	25.50	25.51	28.52	28.10	28.11	31.12	<=33	Pass
CP-OFDM 16 QAM	2506.02	Outer Full	22.34	22.26	25.31	24.94	24.86	27.91	<=33	Pass
		Inner Full	24.37	24.27	27.33	26.97	26.87	29.93	<=33	Pass
		Inner 1RB Left	24.29	24.18	27.24	26.89	26.78	29.85	<=33	Pass
		Inner 1RB Right	24.60	24.59	27.61	27.20	27.19	30.21	<=33	Pass
	2592.99	Outer Full	22.59	22.58	25.60	25.19	25.18	28.20	<=33	Pass
		Inner Full	24.69	24.68	27.70	27.29	27.28	30.30	<=33	Pass
		Inner 1RB Left	24.67	24.65	27.67	27.27	27.25	30.27	<=33	Pass
		Inner 1RB Right	24.78	24.78	27.79	27.38	27.38	30.39	<=33	Pass
	2679.99	Outer Full	22.74	22.72	25.74	25.34	25.32	28.34	<=33	Pass
		Inner Full	24.90	24.89	27.90	27.50	27.49	30.51	<=33	Pass
		Inner 1RB Left	24.90	24.84	27.88	27.50	27.44	30.48	<=33	Pass
		Inner 1RB Right	24.84	24.85	27.86	27.44	27.45	30.46	<=33	Pass
CP-OFDM 64 QAM	2506.02	Outer Full	21.78	21.70	24.75	24.38	24.30	27.35	<=33	Pass
		Inner Full	22.33	22.24	25.30	24.93	24.84	27.90	<=33	Pass
		Inner 1RB Left	22.44	22.33	25.40	25.04	24.93	28.00	<=33	Pass
		Inner 1RB Right	22.60	22.59	25.61	25.20	25.19	28.21	<=33	Pass
	2592.99	Outer Full	22.06	22.05	25.07	24.66	24.65	27.67	<=33	Pass
		Inner Full	22.59	22.58	25.60	25.19	25.18	28.20	<=33	Pass
		Inner 1RB Left	22.58	22.55	25.57	25.18	25.15	28.18	<=33	Pass
		Inner 1RB Right	22.59	22.59	25.60	25.19	25.19	28.20	<=33	Pass
	2679.99	Outer Full	22.24	22.22	25.24	24.84	24.82	27.84	<=33	Pass
		Inner Full	22.86	22.85	25.87	25.46	25.45	28.47	<=33	Pass
		Inner 1RB Left	22.92	22.85	25.90	25.52	25.45	28.50	<=33	Pass
		Inner 1RB Right	22.88	22.89	25.89	25.48	25.49	28.50	<=33	Pass
CP-OFDM 256 QAM	2506.02	Outer Full	18.71	18.63	21.68	21.31	21.23	24.28	<=33	Pass
		Inner Full	18.62	18.53	21.59	21.22	21.13	24.19	<=33	Pass
		Inner 1RB Left	18.53	18.42	21.49	21.13	21.02	24.09	<=33	Pass
		Inner 1RB Right	18.74	18.74	21.75	21.34	21.34	24.35	<=33	Pass
	2592.99	Outer Full	18.97	18.96	21.98	21.57	21.56	24.58	<=33	Pass
		Inner Full	18.99	18.99	22.00	21.59	21.59	24.60	<=33	Pass
		Inner 1RB Left	18.91	18.89	21.91	21.51	21.49	24.51	<=33	Pass
		Inner 1RB Right	18.93	18.94	21.95	21.53	21.54	24.55	<=33	Pass
	2679.99	Outer Full	19.18	19.17	22.18	21.78	21.77	24.79	<=33	Pass
		Inner Full	19.18	19.18	22.19	21.78	21.78	24.79	<=33	Pass
		Inner 1RB Left	19.13	19.07	22.11	21.73	21.67	24.71	<=33	Pass
		Inner 1RB Right	19.12	19.13	22.13	21.72	21.73	24.74	<=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

1.1.14 30k_MIMO_30MHz_NTNV_EIRP

5G NR n41 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	2511	Outer_Full	24.90	24.88	27.90	27.50	27.48	30.50	<=33	Pass
		Inner_Full	26.33	26.31	29.33	28.93	28.91	31.93	<=33	Pass
		Inner_1RB_Left	26.08	26.00	29.05	28.68	28.60	31.65	<=33	Pass
		Inner_1RB_Right	26.37	26.41	29.40	28.97	29.01	32.00	<=33	Pass
	2592.99	Outer_Full	25.10	25.08	28.10	27.70	27.68	30.70	<=33	Pass
		Inner_Full	26.57	26.56	29.58	29.17	29.16	32.18	<=33	Pass
		Inner_1RB_Left	26.41	26.34	29.39	29.01	28.94	31.99	<=33	Pass
		Inner_1RB_Right	26.59	26.61	29.61	29.19	29.21	32.21	<=33	Pass
	2674.98	Outer_Full	25.18	25.22	28.21	27.78	27.82	30.81	<=33	Pass
		Inner_Full	26.77	26.80	29.80	29.37	29.40	32.40	<=33	Pass
		Inner_1RB_Left	26.45	26.46	29.46	29.05	29.06	32.07	<=33	Pass
		Inner_1RB_Right	26.61	26.70	29.67	29.21	29.30	32.27	<=33	Pass
DFT-s-OFDM QPSK	2511	Outer_Full	24.34	24.32	27.34	26.94	26.92	29.94	<=33	Pass
		Inner_Full	26.35	26.33	29.35	28.95	28.93	31.95	<=33	Pass
		Inner_1RB_Left	26.02	25.94	28.99	28.62	28.54	31.59	<=33	Pass
		Inner_1RB_Right	26.30	26.33	29.32	28.90	28.93	31.93	<=33	Pass
	2592.99	Outer_Full	24.59	24.57	27.59	27.19	27.17	30.19	<=33	Pass
		Inner_Full	26.59	26.58	29.59	29.19	29.18	32.20	<=33	Pass
		Inner_1RB_Left	26.41	26.35	29.39	29.01	28.95	31.99	<=33	Pass
		Inner_1RB_Right	26.58	26.61	29.61	29.18	29.21	32.21	<=33	Pass
	2674.98	Outer_Full	24.71	24.75	27.74	27.31	27.35	30.34	<=33	Pass
		Inner_Full	26.70	26.73	29.72	29.30	29.33	32.33	<=33	Pass
		Inner_1RB_Left	26.47	26.48	29.48	29.07	29.08	32.09	<=33	Pass
		Inner_1RB_Right	26.71	26.80	29.77	29.31	29.40	32.37	<=33	Pass
DFT-s-OFDM 16 QAM	2511	Outer_Full	23.37	23.35	26.37	25.97	25.95	28.97	<=33	Pass
		Inner_Full	25.40	25.37	28.40	28.00	27.97	31.00	<=33	Pass
		Inner_1RB_Left	25.43	25.35	28.40	28.03	27.95	31.00	<=33	Pass
		Inner_1RB_Right	25.51	25.55	28.54	28.11	28.15	31.14	<=33	Pass
	2592.99	Outer_Full	23.59	23.58	26.59	26.19	26.18	29.20	<=33	Pass
		Inner_Full	25.67	25.66	28.67	28.27	28.26	31.28	<=33	Pass
		Inner_1RB_Left	25.53	25.47	28.51	28.13	28.07	31.11	<=33	Pass
		Inner_1RB_Right	25.68	25.71	28.71	28.28	28.31	31.31	<=33	Pass
	2674.98	Outer_Full	23.74	23.77	26.76	26.34	26.37	29.37	<=33	Pass
		Inner_Full	25.75	25.77	28.77	28.35	28.37	31.37	<=33	Pass
		Inner_1RB_Left	25.78	25.78	28.79	28.38	28.38	31.39	<=33	Pass
		Inner_1RB_Right	25.78	25.86	28.83	28.38	28.46	31.43	<=33	Pass
DFT-s-OFDM 64 QAM	2511	Outer_Full	22.86	22.84	25.86	25.46	25.44	28.46	<=33	Pass
		Inner_Full	23.40	23.38	26.40	26.00	25.98	29.00	<=33	Pass
		Inner_1RB_Left	23.33	23.25	26.30	25.93	25.85	28.90	<=33	Pass
		Inner_1RB_Right	23.44	23.48	26.47	26.04	26.08	29.07	<=33	Pass
	2592.99	Outer_Full	23.10	23.09	26.10	25.70	25.69	28.71	<=33	Pass
		Inner_Full	23.60	23.59	26.61	26.20	26.19	29.21	<=33	Pass
		Inner_1RB_Left	23.60	23.54	26.58	26.20	26.14	29.18	<=33	Pass
		Inner_1RB_Right	23.55	23.58	26.57	26.15	26.18	29.18	<=33	Pass
	2674.98	Outer_Full	23.22	23.26	26.25	25.82	25.86	28.85	<=33	Pass
		Inner_Full	23.75	23.78	26.78	26.35	26.38	29.38	<=33	Pass
		Inner_1RB_Left	23.68	23.69	26.69	26.28	26.29	29.30	<=33	Pass
		Inner_1RB_Right	23.72	23.80	26.77	26.32	26.40	29.37	<=33	Pass
DFT-s-OFDM 256 QAM	2511	Outer_Full	20.90	20.88	23.90	23.50	23.48	26.50	<=33	Pass
		Inner_Full	20.91	20.88	23.91	23.51	23.48	26.51	<=33	Pass

		Inner_1RB_Left	20.76	20.68	23.73	23.36	23.28	26.33	<=33	Pass
		Inner_1RB_Right	21.00	21.03	24.03	23.60	23.63	26.63	<=33	Pass
	2592.99	Outer_Full	21.13	21.12	24.14	23.73	23.72	26.74	<=33	Pass
		Inner_Full	21.11	21.10	24.11	23.71	23.70	26.72	<=33	Pass
		Inner_1RB_Left	20.98	20.92	23.96	23.58	23.52	26.56	<=33	Pass
		Inner_1RB_Right	21.18	21.21	24.20	23.78	23.81	26.81	<=33	Pass
	2674.98	Outer_Full	21.19	21.23	24.22	23.79	23.83	26.82	<=33	Pass
		Inner_Full	21.27	21.29	24.29	23.87	23.89	26.89	<=33	Pass
		Inner_1RB_Left	21.11	21.11	24.12	23.71	23.71	26.72	<=33	Pass
		Inner_1RB_Right	21.25	21.34	24.31	23.85	23.94	26.91	<=33	Pass
CP-OFDM QPSK	2511	Outer_Full	22.41	22.39	25.41	25.01	24.99	28.01	<=33	Pass
		Inner_Full	24.83	24.81	27.83	27.43	27.41	30.43	<=33	Pass
		Inner_1RB_Left	24.60	24.52	27.57	27.20	27.12	30.17	<=33	Pass
		Inner_1RB_Right	24.69	24.73	27.72	27.29	27.33	30.32	<=33	Pass
	2592.99	Outer_Full	22.64	22.63	25.64	25.24	25.23	28.25	<=33	Pass
		Inner_Full	25.04	25.03	28.05	27.64	27.63	30.65	<=33	Pass
		Inner_1RB_Left	24.93	24.86	27.91	27.53	27.46	30.51	<=33	Pass
		Inner_1RB_Right	25.01	25.03	28.03	27.61	27.63	30.63	<=33	Pass
	2674.98	Outer_Full	22.70	22.74	25.73	25.30	25.34	28.33	<=33	Pass
		Inner_Full	25.25	25.28	28.27	27.85	27.88	30.88	<=33	Pass
		Inner_1RB_Left	24.95	24.96	27.97	27.55	27.56	30.57	<=33	Pass
		Inner_1RB_Right	25.08	25.17	28.14	27.68	27.77	30.74	<=33	Pass
CP-OFDM 16 QAM	2511	Outer_Full	22.34	22.33	25.35	24.94	24.93	27.95	<=33	Pass
		Inner_Full	24.38	24.36	27.38	26.98	26.96	29.98	<=33	Pass
		Inner_1RB_Left	24.60	24.53	27.58	27.20	27.13	30.18	<=33	Pass
		Inner_1RB_Right	24.59	24.63	27.62	27.19	27.23	30.22	<=33	Pass
	2592.99	Outer_Full	22.67	22.66	25.67	25.27	25.26	28.28	<=33	Pass
		Inner_Full	24.54	24.53	27.55	27.14	27.13	30.15	<=33	Pass
		Inner_1RB_Left	24.72	24.66	27.70	27.32	27.26	30.30	<=33	Pass
		Inner_1RB_Right	24.84	24.87	27.86	27.44	27.47	30.47	<=33	Pass
	2674.98	Outer_Full	22.70	22.74	25.73	25.30	25.34	28.33	<=33	Pass
		Inner_Full	24.70	24.73	27.73	27.30	27.33	30.33	<=33	Pass
		Inner_1RB_Left	24.83	24.83	27.84	27.43	27.43	30.44	<=33	Pass
		Inner_1RB_Right	24.95	25.03	28.00	27.55	27.63	30.60	<=33	Pass
CP-OFDM 64 QAM	2511	Outer_Full	21.83	21.81	24.83	24.43	24.41	27.43	<=33	Pass
		Inner_Full	22.23	22.22	25.24	24.83	24.82	27.84	<=33	Pass
		Inner_1RB_Left	21.99	21.91	24.96	24.59	24.51	27.56	<=33	Pass
		Inner_1RB_Right	22.28	22.31	25.31	24.88	24.91	27.91	<=33	Pass
	2592.99	Outer_Full	22.17	22.16	25.17	24.77	24.76	27.78	<=33	Pass
		Inner_Full	22.53	22.52	25.53	25.13	25.12	28.14	<=33	Pass
		Inner_1RB_Left	22.29	22.23	25.27	24.89	24.83	27.87	<=33	Pass
		Inner_1RB_Right	22.49	22.52	25.52	25.09	25.12	28.12	<=33	Pass
	2674.98	Outer_Full	22.19	22.23	25.22	24.79	24.83	27.82	<=33	Pass
		Inner_Full	22.72	22.75	25.74	25.32	25.35	28.35	<=33	Pass
		Inner_1RB_Left	22.48	22.48	25.49	25.08	25.08	28.09	<=33	Pass
		Inner_1RB_Right	22.56	22.65	25.61	25.16	25.25	28.22	<=33	Pass
CP-OFDM 256 QAM	2511	Outer_Full	18.87	18.86	21.87	21.47	21.46	24.48	<=33	Pass
		Inner_Full	18.84	18.82	21.84	21.44	21.42	24.44	<=33	Pass
		Inner_1RB_Left	18.81	18.73	21.78	21.41	21.33	24.38	<=33	Pass
		Inner_1RB_Right	18.93	18.97	21.96	21.53	21.57	24.56	<=33	Pass
	2592.99	Outer_Full	19.11	19.10	22.12	21.71	21.70	24.72	<=33	Pass
		Inner_Full	19.07	19.06	22.07	21.67	21.66	24.68	<=33	Pass
		Inner_1RB_Left	19.01	18.95	21.99	21.61	21.55	24.59	<=33	Pass
		Inner_1RB_Right	19.23	19.26	22.26	21.83	21.86	24.86	<=33	Pass
	2674.98	Outer_Full	19.16	19.20	22.19	21.76	21.80	24.79	<=33	Pass
		Inner_Full	19.22	19.25	22.24	21.82	21.85	24.85	<=33	Pass
		Inner_1RB_Left	19.13	19.14	22.15	21.73	21.74	24.75	<=33	Pass
		Inner_1RB_Right	19.27	19.36	22.33	21.87	21.96	24.93	<=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

1.1.15 30k_MIMO_40MHz_NTNV_EIRP

5G NR n41 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	2516.01	Outer_Full	24.92	24.87	27.91	27.52	27.47	30.51	<=33	Pass
		Inner_Full	26.38	26.35	29.37	28.98	28.95	31.98	<=33	Pass
		Inner_1RB_Left	26.05	25.92	29.00	28.65	28.52	31.60	<=33	Pass
		Inner_1RB_Right	26.46	26.43	29.45	29.06	29.03	32.06	<=33	Pass
	2592.99	Outer_Full	25.08	25.06	28.08	27.68	27.66	30.68	<=33	Pass
		Inner_Full	26.64	26.63	29.65	29.24	29.23	32.25	<=33	Pass
		Inner_1RB_Left	26.29	26.18	29.25	28.89	28.78	31.85	<=33	Pass
		Inner_1RB_Right	26.74	26.82	29.79	29.34	29.42	32.39	<=33	Pass
	2670	Outer_Full	25.21	25.28	28.26	27.81	27.88	30.86	<=33	Pass
		Inner_Full	26.68	26.74	29.72	29.28	29.34	32.32	<=33	Pass
		Inner_1RB_Left	26.62	26.65	29.65	29.22	29.25	32.25	<=33	Pass
		Inner_1RB_Right	26.67	26.80	29.74	29.27	29.40	32.35	<=33	Pass
DFT-s-OFDM QPSK	2516.01	Outer_Full	24.43	24.38	27.41	27.03	26.98	30.02	<=33	Pass
		Inner_Full	26.45	26.42	29.45	29.05	29.02	32.05	<=33	Pass
		Inner_1RB_Left	26.08	25.95	29.03	28.68	28.55	31.63	<=33	Pass
		Inner_1RB_Right	26.37	26.35	29.37	28.97	28.95	31.97	<=33	Pass
	2592.99	Outer_Full	24.59	24.57	27.59	27.19	27.17	30.19	<=33	Pass
		Inner_Full	26.59	26.58	29.60	29.19	29.18	32.20	<=33	Pass
		Inner_1RB_Left	26.20	26.09	29.15	28.80	28.69	31.76	<=33	Pass
		Inner_1RB_Right	26.64	26.72	29.69	29.24	29.32	32.29	<=33	Pass
	2670	Outer_Full	24.74	24.81	27.78	27.34	27.41	30.39	<=33	Pass
		Inner_Full	26.66	26.72	29.70	29.26	29.32	32.30	<=33	Pass
		Inner_1RB_Left	26.51	26.53	29.53	29.11	29.13	32.13	<=33	Pass
		Inner_1RB_Right	26.60	26.73	29.67	29.20	29.33	32.28	<=33	Pass
DFT-s-OFDM 16 QAM	2516.01	Outer_Full	23.36	23.31	26.34	25.96	25.91	28.95	<=33	Pass
		Inner_Full	25.45	25.42	28.45	28.05	28.02	31.05	<=33	Pass
		Inner_1RB_Left	25.34	25.21	28.29	27.94	27.81	30.89	<=33	Pass
		Inner_1RB_Right	25.72	25.69	28.71	28.32	28.29	31.32	<=33	Pass
	2592.99	Outer_Full	23.60	23.58	26.60	26.20	26.18	29.20	<=33	Pass
		Inner_Full	25.56	25.55	28.57	28.16	28.15	31.17	<=33	Pass
		Inner_1RB_Left	25.51	25.39	28.46	28.11	27.99	31.06	<=33	Pass
		Inner_1RB_Right	25.90	25.99	28.96	28.50	28.59	31.56	<=33	Pass
	2670	Outer_Full	23.71	23.78	26.76	26.31	26.38	29.36	<=33	Pass
		Inner_Full	25.73	25.79	28.77	28.33	28.39	31.37	<=33	Pass
		Inner_1RB_Left	25.78	25.80	28.80	28.38	28.40	31.40	<=33	Pass
		Inner_1RB_Right	25.87	26.00	28.95	28.47	28.60	31.55	<=33	Pass
DFT-s-OFDM 64 QAM	2516.01	Outer_Full	22.87	22.82	25.86	25.47	25.42	28.46	<=33	Pass
		Inner_Full	23.32	23.29	26.32	25.92	25.89	28.92	<=33	Pass
		Inner_1RB_Left	23.41	23.28	26.36	26.01	25.88	28.96	<=33	Pass
		Inner_1RB_Right	23.61	23.58	26.60	26.21	26.18	29.21	<=33	Pass
	2592.99	Outer_Full	23.03	23.02	26.04	25.63	25.62	28.64	<=33	Pass
		Inner_Full	23.59	23.58	26.59	26.19	26.18	29.20	<=33	Pass
		Inner_1RB_Left	23.47	23.35	26.42	26.07	25.95	29.02	<=33	Pass
		Inner_1RB_Right	23.87	23.95	26.92	26.47	26.55	29.52	<=33	Pass
	2670	Outer_Full	23.26	23.33	26.31	25.86	25.93	28.91	<=33	Pass
		Inner_Full	23.72	23.78	26.76	26.32	26.38	29.36	<=33	Pass
		Inner_1RB_Left	23.72	23.74	26.74	26.32	26.34	29.34	<=33	Pass
		Inner_1RB_Right	23.88	24.01	26.95	26.48	26.61	29.56	<=33	Pass
DFT-s-OFDM 256 QAM	2516.01	Outer_Full	20.89	20.84	23.87	23.49	23.44	26.48	<=33	Pass
		Inner_Full	20.84	20.81	23.83	23.44	23.41	26.44	<=33	Pass

		Inner_1RB_Left	20.60	20.48	23.55	23.20	23.08	26.15	<=33	Pass
		Inner_1RB_Right	20.80	20.77	23.80	23.40	23.37	26.40	<=33	Pass
	2592.99	Outer_Full	21.17	21.15	24.17	23.77	23.75	26.77	<=33	Pass
		Inner_Full	21.14	21.13	24.14	23.74	23.73	26.75	<=33	Pass
		Inner_1RB_Left	20.61	20.50	23.57	23.21	23.10	26.17	<=33	Pass
		Inner_1RB_Right	21.06	21.14	24.11	23.66	23.74	26.71	<=33	Pass
	2670	Outer_Full	21.22	21.30	24.27	23.82	23.90	26.87	<=33	Pass
		Inner_Full	21.13	21.20	24.18	23.73	23.80	26.78	<=33	Pass
		Inner_1RB_Left	21.01	21.04	24.04	23.61	23.64	26.64	<=33	Pass
		Inner_1RB_Right	21.16	21.30	24.24	23.76	23.90	26.84	<=33	Pass
CP-OFDM QPSK	2516.01	Outer_Full	22.33	22.28	25.32	24.93	24.88	27.92	<=33	Pass
		Inner_Full	24.85	24.81	27.84	27.45	27.41	30.44	<=33	Pass
		Inner_1RB_Left	24.53	24.40	27.47	27.13	27.00	30.08	<=33	Pass
		Inner_1RB_Right	25.06	25.03	28.05	27.66	27.63	30.66	<=33	Pass
	2592.99	Outer_Full	22.64	22.63	25.65	25.24	25.23	28.25	<=33	Pass
		Inner_Full	25.04	25.03	28.05	27.64	27.63	30.65	<=33	Pass
		Inner_1RB_Left	25.00	24.89	27.95	27.60	27.49	30.56	<=33	Pass
		Inner_1RB_Right	25.37	25.45	28.42	27.97	28.05	31.02	<=33	Pass
	2670	Outer_Full	22.69	22.76	25.73	25.29	25.36	28.34	<=33	Pass
		Inner_Full	25.13	25.19	28.17	27.73	27.79	30.77	<=33	Pass
		Inner_1RB_Left	25.09	25.11	28.11	27.69	27.71	30.71	<=33	Pass
		Inner_1RB_Right	25.33	25.46	28.41	27.93	28.06	31.01	<=33	Pass
CP-OFDM 16 QAM	2516.01	Outer_Full	22.40	22.35	25.39	25.00	24.95	27.99	<=33	Pass
		Inner_Full	24.48	24.44	27.47	27.08	27.04	30.07	<=33	Pass
		Inner_1RB_Left	24.22	24.09	27.17	26.82	26.69	29.77	<=33	Pass
		Inner_1RB_Right	24.66	24.64	27.66	27.26	27.24	30.26	<=33	Pass
	2592.99	Outer_Full	22.60	22.59	25.60	25.20	25.19	28.21	<=33	Pass
		Inner_Full	24.61	24.60	27.62	27.21	27.20	30.22	<=33	Pass
		Inner_1RB_Left	24.53	24.42	27.48	27.13	27.02	30.09	<=33	Pass
		Inner_1RB_Right	24.95	25.04	28.00	27.55	27.64	30.61	<=33	Pass
	2670	Outer_Full	22.67	22.74	25.72	25.27	25.34	28.32	<=33	Pass
		Inner_Full	24.72	24.79	27.76	27.32	27.39	30.37	<=33	Pass
		Inner_1RB_Left	25.00	25.02	28.02	27.60	27.62	30.62	<=33	Pass
		Inner_1RB_Right	25.02	25.14	28.09	27.62	27.74	30.69	<=33	Pass
CP-OFDM 64 QAM	2516.01	Outer_Full	21.92	21.87	24.90	24.52	24.47	27.51	<=33	Pass
		Inner_Full	22.41	22.38	25.40	25.01	24.98	28.01	<=33	Pass
		Inner_1RB_Left	22.19	22.06	25.14	24.79	24.66	27.74	<=33	Pass
		Inner_1RB_Right	22.50	22.48	25.50	25.10	25.08	28.10	<=33	Pass
	2592.99	Outer_Full	22.18	22.17	25.19	24.78	24.77	27.79	<=33	Pass
		Inner_Full	22.59	22.58	25.59	25.19	25.18	28.20	<=33	Pass
		Inner_1RB_Left	22.47	22.36	25.42	25.07	24.96	28.03	<=33	Pass
		Inner_1RB_Right	22.92	23.01	25.98	25.52	25.61	28.58	<=33	Pass
	2670	Outer_Full	22.26	22.33	25.31	24.86	24.93	27.91	<=33	Pass
		Inner_Full	22.69	22.76	25.73	25.29	25.36	28.34	<=33	Pass
		Inner_1RB_Left	22.49	22.52	25.52	25.09	25.12	28.12	<=33	Pass
		Inner_1RB_Right	22.68	22.81	25.76	25.28	25.41	28.36	<=33	Pass
CP-OFDM 256 QAM	2516.01	Outer_Full	18.80	18.76	21.79	21.40	21.36	24.39	<=33	Pass
		Inner_Full	18.84	18.81	21.84	21.44	21.41	24.44	<=33	Pass
		Inner_1RB_Left	18.67	18.54	21.61	21.27	21.14	24.22	<=33	Pass
		Inner_1RB_Right	18.89	18.87	21.89	21.49	21.47	24.49	<=33	Pass
	2592.99	Outer_Full	19.09	19.08	22.09	21.69	21.68	24.70	<=33	Pass
		Inner_Full	19.08	19.08	22.09	21.68	21.68	24.69	<=33	Pass
		Inner_1RB_Left	18.79	18.68	21.74	21.39	21.28	24.35	<=33	Pass
		Inner_1RB_Right	19.18	19.26	22.23	21.78	21.86	24.83	<=33	Pass
	2670	Outer_Full	19.11	19.19	22.16	21.71	21.79	24.76	<=33	Pass
		Inner_Full	19.11	19.18	22.16	21.71	21.78	24.76	<=33	Pass
		Inner_1RB_Left	19.29	19.31	22.31	21.89	21.91	24.91	<=33	Pass
		Inner_1RB_Right	19.38	19.52	22.46	21.98	22.12	25.06	<=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

1.1.16 30k_MIMO_50MHz_NTNV_EIRP

5G NR n41 SCS=30kHz MIMO 50MHz 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	2521.02	Outer_Full	24.89	24.84	27.88	27.49	27.44	30.48	<=33	Pass
		Inner_Full	26.42	26.39	29.42	29.02	28.99	32.02	<=33	Pass
		Inner_1RB_Left	26.07	25.94	29.01	28.67	28.54	31.62	<=33	Pass
		Inner_1RB_Right	26.47	26.49	29.49	29.07	29.09	32.09	<=33	Pass
	2592.99	Outer_Full	25.06	25.05	28.07	27.66	27.65	30.67	<=33	Pass
		Inner_Full	26.60	26.59	29.61	29.20	29.19	32.21	<=33	Pass
		Inner_1RB_Left	26.23	26.11	29.18	28.83	28.71	31.78	<=33	Pass
		Inner_1RB_Right	26.76	26.90	29.84	29.36	29.50	32.44	<=33	Pass
	2664.99	Outer_Full	25.18	25.25	28.22	27.78	27.85	30.83	<=33	Pass
		Inner_Full	26.78	26.85	29.83	29.38	29.45	32.43	<=33	Pass
		Inner_1RB_Left	26.43	26.46	29.45	29.03	29.06	32.06	<=33	Pass
		Inner_1RB_Right	26.67	26.80	29.75	29.27	29.40	32.35	<=33	Pass
DFT-s-OFDM QPSK	2521.02	Outer_Full	24.41	24.36	27.40	27.01	26.96	30.00	<=33	Pass
		Inner_Full	26.45	26.42	29.45	29.05	29.02	32.05	<=33	Pass
		Inner_1RB_Left	26.08	25.94	29.02	28.68	28.54	31.62	<=33	Pass
		Inner_1RB_Right	26.47	26.49	29.49	29.07	29.09	32.09	<=33	Pass
	2592.99	Outer_Full	24.64	24.62	27.64	27.24	27.22	30.24	<=33	Pass
		Inner_Full	26.63	26.62	29.63	29.23	29.22	32.24	<=33	Pass
		Inner_1RB_Left	26.30	26.18	29.25	28.90	28.78	31.85	<=33	Pass
		Inner_1RB_Right	26.73	26.87	29.81	29.33	29.47	32.41	<=33	Pass
	2664.99	Outer_Full	24.67	24.74	27.72	27.27	27.34	30.32	<=33	Pass
		Inner_Full	26.75	26.82	29.79	29.35	29.42	32.40	<=33	Pass
		Inner_1RB_Left	26.42	26.44	29.44	29.02	29.04	32.04	<=33	Pass
		Inner_1RB_Right	26.63	26.76	29.71	29.23	29.36	32.31	<=33	Pass
DFT-s-OFDM 16 QAM	2521.02	Outer_Full	23.46	23.42	26.45	26.06	26.02	29.05	<=33	Pass
		Inner_Full	25.53	25.50	28.52	28.13	28.10	31.13	<=33	Pass
		Inner_1RB_Left	25.29	25.16	28.24	27.89	27.76	30.84	<=33	Pass
		Inner_1RB_Right	25.74	25.76	28.76	28.34	28.36	31.36	<=33	Pass
	2592.99	Outer_Full	23.58	23.57	26.59	26.18	26.17	29.19	<=33	Pass
		Inner_Full	25.67	25.65	28.67	28.27	28.25	31.27	<=33	Pass
		Inner_1RB_Left	25.31	25.19	28.26	27.91	27.79	30.86	<=33	Pass
		Inner_1RB_Right	25.86	26.00	28.94	28.46	28.60	31.54	<=33	Pass
	2664.99	Outer_Full	23.67	23.75	26.72	26.27	26.35	29.32	<=33	Pass
		Inner_Full	25.79	25.86	28.84	28.39	28.46	31.44	<=33	Pass
		Inner_1RB_Left	25.85	25.87	28.87	28.45	28.47	31.47	<=33	Pass
		Inner_1RB_Right	25.95	26.09	29.03	28.55	28.69	31.63	<=33	Pass
DFT-s-OFDM 64 QAM	2521.02	Outer_Full	22.97	22.93	25.96	25.57	25.53	28.56	<=33	Pass
		Inner_Full	23.50	23.47	26.50	26.10	26.07	29.10	<=33	Pass
		Inner_1RB_Left	23.34	23.21	26.29	25.94	25.81	28.89	<=33	Pass
		Inner_1RB_Right	23.64	23.66	26.66	26.24	26.26	29.26	<=33	Pass
	2592.99	Outer_Full	23.08	23.06	26.08	25.68	25.66	28.68	<=33	Pass
		Inner_Full	23.60	23.58	26.60	26.20	26.18	29.20	<=33	Pass
		Inner_1RB_Left	23.28	23.16	26.23	25.88	25.76	28.83	<=33	Pass
		Inner_1RB_Right	23.84	23.98	26.92	26.44	26.58	29.52	<=33	Pass
	2664.99	Outer_Full	23.15	23.22	26.20	25.75	25.82	28.80	<=33	Pass
		Inner_Full	23.73	23.80	26.78	26.33	26.40	29.38	<=33	Pass
		Inner_1RB_Left	23.66	23.69	26.69	26.26	26.29	29.29	<=33	Pass
		Inner_1RB_Right	23.81	23.94	26.88	26.41	26.54	29.49	<=33	Pass
DFT-s-OFDM 256 QAM	2521.02	Outer_Full	20.90	20.86	23.89	23.50	23.46	26.49	<=33	Pass
		Inner_Full	20.89	20.86	23.89	23.49	23.46	26.49	<=33	Pass

		Inner_1RB_Left	20.73	20.59	23.67	23.33	23.19	26.27	<=33	Pass
		Inner_1RB_Right	21.09	21.11	24.11	23.69	23.71	26.71	<=33	Pass
	2592.99	Outer_Full	21.09	21.08	24.09	23.69	23.68	26.70	<=33	Pass
		Inner_Full	21.12	21.10	24.12	23.72	23.70	26.72	<=33	Pass
		Inner_1RB_Left	20.70	20.58	23.65	23.30	23.18	26.25	<=33	Pass
		Inner_1RB_Right	21.34	21.48	24.42	23.94	24.08	27.02	<=33	Pass
	2664.99	Outer_Full	21.16	21.23	24.21	23.76	23.83	26.81	<=33	Pass
		Inner_Full	21.21	21.29	24.26	23.81	23.89	26.86	<=33	Pass
		Inner_1RB_Left	20.86	20.88	23.88	23.46	23.48	26.48	<=33	Pass
		Inner_1RB_Right	21.11	21.25	24.19	23.71	23.85	26.79	<=33	Pass
CP-OFDM QPSK	2521.02	Outer_Full	22.46	22.42	25.45	25.06	25.02	28.05	<=33	Pass
		Inner_Full	24.94	24.91	27.93	27.54	27.51	30.54	<=33	Pass
		Inner_1RB_Left	24.46	24.33	27.41	27.06	26.93	30.01	<=33	Pass
		Inner_1RB_Right	24.95	24.97	27.97	27.55	27.57	30.57	<=33	Pass
	2592.99	Outer_Full	22.58	22.57	25.59	25.18	25.17	28.19	<=33	Pass
		Inner_Full	25.13	25.11	28.13	27.73	27.71	30.73	<=33	Pass
		Inner_1RB_Left	24.82	24.69	27.77	27.42	27.29	30.37	<=33	Pass
		Inner_1RB_Right	25.22	25.35	28.30	27.82	27.95	30.90	<=33	Pass
	2664.99	Outer_Full	22.72	22.79	25.76	25.32	25.39	28.37	<=33	Pass
		Inner_Full	25.28	25.35	28.33	27.88	27.95	30.93	<=33	Pass
		Inner_1RB_Left	25.23	25.25	28.25	27.83	27.85	30.85	<=33	Pass
		Inner_1RB_Right	25.33	25.46	28.41	27.93	28.06	31.01	<=33	Pass
CP-OFDM 16 QAM	2521.02	Outer_Full	22.43	22.39	25.42	25.03	24.99	28.02	<=33	Pass
		Inner_Full	24.41	24.38	27.40	27.01	26.98	30.01	<=33	Pass
		Inner_1RB_Left	24.54	24.40	27.48	27.14	27.00	30.08	<=33	Pass
		Inner_1RB_Right	24.85	24.87	27.87	27.45	27.47	30.47	<=33	Pass
	2592.99	Outer_Full	22.58	22.56	25.58	25.18	25.16	28.18	<=33	Pass
		Inner_Full	24.59	24.58	27.59	27.19	27.18	30.20	<=33	Pass
		Inner_1RB_Left	24.45	24.32	27.40	27.05	26.92	30.00	<=33	Pass
		Inner_1RB_Right	25.04	25.18	28.12	27.64	27.78	30.72	<=33	Pass
	2664.99	Outer_Full	22.72	22.79	25.77	25.32	25.39	28.37	<=33	Pass
		Inner_Full	24.73	24.81	27.78	27.33	27.41	30.38	<=33	Pass
		Inner_1RB_Left	24.78	24.81	27.81	27.38	27.41	30.41	<=33	Pass
		Inner_1RB_Right	24.91	25.04	27.99	27.51	27.64	30.59	<=33	Pass
CP-OFDM 64 QAM	2521.02	Outer_Full	21.93	21.88	24.92	24.53	24.48	27.52	<=33	Pass
		Inner_Full	22.40	22.36	25.39	25.00	24.96	27.99	<=33	Pass
		Inner_1RB_Left	22.01	21.88	24.96	24.61	24.48	27.56	<=33	Pass
		Inner_1RB_Right	22.53	22.55	25.55	25.13	25.15	28.15	<=33	Pass
	2592.99	Outer_Full	22.05	22.04	25.06	24.65	24.64	27.66	<=33	Pass
		Inner_Full	22.60	22.59	25.60	25.20	25.19	28.21	<=33	Pass
		Inner_1RB_Left	22.12	22.00	25.07	24.72	24.60	27.67	<=33	Pass
		Inner_1RB_Right	22.70	22.84	25.78	25.30	25.44	28.38	<=33	Pass
	2664.99	Outer_Full	22.23	22.31	25.28	24.83	24.91	27.88	<=33	Pass
		Inner_Full	22.74	22.81	25.79	25.34	25.41	28.39	<=33	Pass
		Inner_1RB_Left	22.55	22.57	25.57	25.15	25.17	28.17	<=33	Pass
		Inner_1RB_Right	22.86	22.99	25.94	25.46	25.59	28.54	<=33	Pass
CP-OFDM 256 QAM	2521.02	Outer_Full	18.90	18.86	21.89	21.50	21.46	24.49	<=33	Pass
		Inner_Full	18.88	18.85	21.88	21.48	21.45	24.48	<=33	Pass
		Inner_1RB_Left	18.73	18.59	21.67	21.33	21.19	24.27	<=33	Pass
		Inner_1RB_Right	19.17	19.19	22.19	21.77	21.79	24.79	<=33	Pass
	2592.99	Outer_Full	19.03	19.03	22.04	21.63	21.63	24.64	<=33	Pass
		Inner_Full	19.06	19.05	22.07	21.66	21.65	24.67	<=33	Pass
		Inner_1RB_Left	18.69	18.57	21.64	21.29	21.17	24.24	<=33	Pass
		Inner_1RB_Right	19.22	19.36	22.30	21.82	21.96	24.90	<=33	Pass
	2664.99	Outer_Full	19.16	19.24	22.21	21.76	21.84	24.81	<=33	Pass
		Inner_Full	19.20	19.28	22.25	21.80	21.88	24.85	<=33	Pass
		Inner_1RB_Left	18.95	18.98	21.97	21.55	21.58	24.58	<=33	Pass
		Inner_1RB_Right	19.11	19.25	22.19	21.71	21.85	24.79	<=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

1.1.17 30k_MIMO_60MHz_NTNV_EIRP

5G NR n41 SCS=30kHz MIMO 60MHz 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	2526	Outer_Full	25.03	24.96	28.01	27.63	27.56	30.61	<=33	Pass
		Inner_Full	26.54	26.47	29.51	29.14	29.07	32.12	<=33	Pass
		Inner_1RB_Left	26.05	25.87	28.97	28.65	28.47	31.57	<=33	Pass
		Inner_1RB_Right	26.46	26.47	29.47	29.06	29.07	32.08	<=33	Pass
	2592.99	Outer_Full	25.07	25.07	28.08	27.67	27.67	30.68	<=33	Pass
		Inner_Full	26.64	26.62	29.64	29.24	29.22	32.24	<=33	Pass
		Inner_1RB_Left	26.12	26.03	29.08	28.72	28.63	31.69	<=33	Pass
		Inner_1RB_Right	26.63	26.81	29.73	29.23	29.41	32.33	<=33	Pass
	2659.98	Outer_Full	25.12	25.19	28.16	27.72	27.79	30.77	<=33	Pass
		Inner_Full	26.74	26.79	29.78	29.34	29.39	32.38	<=33	Pass
		Inner_1RB_Left	26.31	26.37	29.35	28.91	28.97	31.95	<=33	Pass
		Inner_1RB_Right	26.72	26.84	29.79	29.32	29.44	32.39	<=33	Pass
DFT-s-OFDM QPSK	2526	Outer_Full	24.49	24.42	27.47	27.09	27.02	30.07	<=33	Pass
		Inner_Full	26.59	26.53	29.57	29.19	29.13	32.17	<=33	Pass
		Inner_1RB_Left	26.03	25.85	28.95	28.63	28.45	31.55	<=33	Pass
		Inner_1RB_Right	26.45	26.47	29.47	29.05	29.07	32.07	<=33	Pass
	2592.99	Outer_Full	24.56	24.56	27.57	27.16	27.16	30.17	<=33	Pass
		Inner_Full	26.66	26.65	29.67	29.26	29.25	32.27	<=33	Pass
		Inner_1RB_Left	26.19	26.10	29.16	28.79	28.70	31.76	<=33	Pass
		Inner_1RB_Right	26.57	26.75	29.67	29.17	29.35	32.27	<=33	Pass
	2659.98	Outer_Full	24.67	24.73	27.71	27.27	27.33	30.31	<=33	Pass
		Inner_Full	26.79	26.84	29.83	29.39	29.44	32.43	<=33	Pass
		Inner_1RB_Left	26.31	26.38	29.35	28.91	28.98	31.96	<=33	Pass
		Inner_1RB_Right	26.77	26.89	29.84	29.37	29.49	32.44	<=33	Pass
DFT-s-OFDM 16 QAM	2526	Outer_Full	23.54	23.48	26.52	26.14	26.08	29.12	<=33	Pass
		Inner_Full	25.60	25.53	28.58	28.20	28.13	31.18	<=33	Pass
		Inner_1RB_Left	25.28	25.11	28.21	27.88	27.71	30.81	<=33	Pass
		Inner_1RB_Right	25.74	25.76	28.76	28.34	28.36	31.36	<=33	Pass
	2592.99	Outer_Full	23.53	23.53	26.54	26.13	26.13	29.14	<=33	Pass
		Inner_Full	25.66	25.65	28.67	28.26	28.25	31.27	<=33	Pass
		Inner_1RB_Left	25.48	25.39	28.45	28.08	27.99	31.05	<=33	Pass
		Inner_1RB_Right	25.87	26.05	28.97	28.47	28.65	31.57	<=33	Pass
	2659.98	Outer_Full	23.66	23.72	26.70	26.26	26.32	29.30	<=33	Pass
		Inner_Full	25.85	25.90	28.89	28.45	28.50	31.49	<=33	Pass
		Inner_1RB_Left	25.42	25.49	28.46	28.02	28.09	31.07	<=33	Pass
		Inner_1RB_Right	25.89	26.01	28.96	28.49	28.61	31.56	<=33	Pass
DFT-s-OFDM 64 QAM	2526	Outer_Full	22.97	22.91	25.95	25.57	25.51	28.55	<=33	Pass
		Inner_Full	23.52	23.45	26.50	26.12	26.05	29.10	<=33	Pass
		Inner_1RB_Left	23.31	23.13	26.23	25.91	25.73	28.83	<=33	Pass
		Inner_1RB_Right	23.61	23.63	26.63	26.21	26.23	29.23	<=33	Pass
	2592.99	Outer_Full	23.00	23.00	26.01	25.60	25.60	28.61	<=33	Pass
		Inner_Full	23.65	23.63	26.65	26.25	26.23	29.25	<=33	Pass
		Inner_1RB_Left	23.34	23.26	26.31	25.94	25.86	28.91	<=33	Pass
		Inner_1RB_Right	23.81	23.99	26.91	26.41	26.59	29.51	<=33	Pass
	2659.98	Outer_Full	23.20	23.27	26.25	25.80	25.87	28.85	<=33	Pass
		Inner_Full	23.82	23.87	26.85	26.42	26.47	29.46	<=33	Pass
		Inner_1RB_Left	23.44	23.51	26.48	26.04	26.11	29.09	<=33	Pass
		Inner_1RB_Right	23.86	23.99	26.94	26.46	26.59	29.54	<=33	Pass
DFT-s-OFDM 256 QAM	2526	Outer_Full	20.98	20.91	23.95	23.58	23.51	26.56	<=33	Pass
		Inner_Full	20.92	20.85	23.90	23.52	23.45	26.50	<=33	Pass

		Inner 1RB Left	20.49	20.32	23.42	23.09	22.92	26.02	<=33	Pass
		Inner 1RB Right	20.86	20.88	23.88	23.46	23.48	26.48	<=33	Pass
	2592.99	Outer Full	21.01	21.01	24.02	23.61	23.61	26.62	<=33	Pass
		Inner Full	21.11	21.10	24.12	23.71	23.70	26.72	<=33	Pass
		Inner 1RB Left	20.69	20.61	23.66	23.29	23.21	26.26	<=33	Pass
		Inner 1RB Right	21.20	21.38	24.30	23.80	23.98	26.90	<=33	Pass
	2659.98	Outer Full	21.17	21.23	24.21	23.77	23.83	26.81	<=33	Pass
		Inner Full	21.31	21.36	24.34	23.91	23.96	26.95	<=33	Pass
		Inner 1RB Left	20.84	20.91	23.88	23.44	23.51	26.49	<=33	Pass
		Inner 1RB Right	21.31	21.44	24.39	23.91	24.04	26.99	<=33	Pass
CP-OFDM QPSK	2526	Outer Full	22.46	22.40	25.44	25.06	25.00	28.04	<=33	Pass
		Inner Full	25.08	25.01	28.06	27.68	27.61	30.66	<=33	Pass
		Inner 1RB Left	24.49	24.32	27.42	27.09	26.92	30.02	<=33	Pass
		Inner 1RB Right	24.97	24.99	27.99	27.57	27.59	30.59	<=33	Pass
	2592.99	Outer Full	22.55	22.54	25.56	25.15	25.14	28.16	<=33	Pass
		Inner Full	25.09	25.08	28.10	27.69	27.68	30.70	<=33	Pass
		Inner 1RB Left	24.53	24.44	27.50	27.13	27.04	30.10	<=33	Pass
		Inner 1RB Right	25.02	25.20	28.12	27.62	27.80	30.72	<=33	Pass
	2659.98	Outer Full	22.61	22.67	25.65	25.21	25.27	28.25	<=33	Pass
		Inner Full	25.33	25.39	28.37	27.93	27.99	30.97	<=33	Pass
		Inner 1RB Left	24.73	24.80	27.78	27.33	27.40	30.38	<=33	Pass
		Inner 1RB Right	25.16	25.28	28.23	27.76	27.88	30.83	<=33	Pass
CP-OFDM 16 QAM	2526	Outer Full	22.47	22.40	25.44	25.07	25.00	28.05	<=33	Pass
		Inner Full	24.49	24.42	27.47	27.09	27.02	30.07	<=33	Pass
		Inner 1RB Left	24.61	24.43	27.54	27.21	27.03	30.13	<=33	Pass
		Inner 1RB Right	24.63	24.65	27.65	27.23	27.25	30.25	<=33	Pass
	2592.99	Outer Full	22.53	22.53	25.54	25.13	25.13	28.14	<=33	Pass
		Inner Full	24.55	24.54	27.55	27.15	27.14	30.16	<=33	Pass
		Inner 1RB Left	24.46	24.38	27.43	27.06	26.98	30.03	<=33	Pass
		Inner 1RB Right	25.02	25.21	28.13	27.62	27.81	30.73	<=33	Pass
	2659.98	Outer Full	22.68	22.75	25.73	25.28	25.35	28.33	<=33	Pass
		Inner Full	24.77	24.82	27.80	27.37	27.42	30.41	<=33	Pass
		Inner 1RB Left	24.58	24.65	27.63	27.18	27.25	30.23	<=33	Pass
		Inner 1RB Right	25.00	25.13	28.07	27.60	27.73	30.68	<=33	Pass
CP-OFDM 64 QAM	2526	Outer Full	21.95	21.88	24.92	24.55	24.48	27.53	<=33	Pass
		Inner Full	22.48	22.41	25.45	25.08	25.01	28.06	<=33	Pass
		Inner 1RB Left	22.22	22.04	25.14	24.82	24.64	27.74	<=33	Pass
		Inner 1RB Right	22.55	22.57	25.57	25.15	25.17	28.17	<=33	Pass
	2592.99	Outer Full	22.05	22.05	25.06	24.65	24.65	27.66	<=33	Pass
		Inner Full	22.59	22.58	25.60	25.19	25.18	28.20	<=33	Pass
		Inner 1RB Left	22.13	22.04	25.10	24.73	24.64	27.70	<=33	Pass
		Inner 1RB Right	22.60	22.78	25.70	25.20	25.38	28.30	<=33	Pass
	2659.98	Outer Full	22.16	22.23	25.20	24.76	24.83	27.81	<=33	Pass
		Inner Full	22.74	22.79	25.78	25.34	25.39	28.38	<=33	Pass
		Inner 1RB Left	22.31	22.38	25.36	24.91	24.98	27.96	<=33	Pass
		Inner 1RB Right	22.57	22.70	25.64	25.17	25.30	28.25	<=33	Pass
CP-OFDM 256 QAM	2526	Outer Full	18.91	18.84	21.88	21.51	21.44	24.49	<=33	Pass
		Inner Full	18.94	18.88	21.92	21.54	21.48	24.52	<=33	Pass
		Inner 1RB Left	18.57	18.39	21.49	21.17	20.99	24.09	<=33	Pass
		Inner 1RB Right	18.88	18.90	21.90	21.48	21.50	24.50	<=33	Pass
	2592.99	Outer Full	18.96	18.96	21.97	21.56	21.56	24.57	<=33	Pass
		Inner Full	19.09	19.08	22.10	21.69	21.68	24.70	<=33	Pass
		Inner 1RB Left	18.77	18.69	21.74	21.37	21.29	24.34	<=33	Pass
		Inner 1RB Right	19.35	19.53	22.45	21.95	22.13	25.05	<=33	Pass
	2659.98	Outer Full	19.09	19.16	22.13	21.69	21.76	24.74	<=33	Pass
		Inner Full	19.19	19.24	22.23	21.79	21.84	24.83	<=33	Pass
		Inner 1RB Left	18.98	19.06	22.03	21.58	21.66	24.63	<=33	Pass
		Inner 1RB Right	19.32	19.45	22.39	21.92	22.05	25.00	<=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

1.1.18 30k_MIMO_80MHz_NTNV_EIRP

5G NR n41 SCS=30kHz MIMO 80MHz 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	2536.02	Outer_Full	24.99	24.93	27.97	27.59	27.53	30.57	<=33	Pass
		Inner_Full	26.48	26.44	29.48	29.08	29.04	32.07	<=33	Pass
		Inner_1RB_Left	26.01	25.85	28.94	28.61	28.45	31.54	<=33	Pass
		Inner_1RB_Right	26.51	26.47	29.50	29.11	29.07	32.10	<=33	Pass
	2592.99	Outer_Full	25.05	25.07	28.07	27.65	27.67	30.67	<=33	Pass
		Inner_Full	26.57	26.55	29.57	29.17	29.15	32.17	<=33	Pass
		Inner_1RB_Left	26.08	26.08	29.09	28.68	28.68	31.69	<=33	Pass
		Inner_1RB_Right	26.74	26.92	29.84	29.34	29.52	32.44	<=33	Pass
	2649.99	Outer_Full	25.17	25.29	28.24	27.77	27.89	30.84	<=33	Pass
		Inner_Full	26.76	26.87	29.83	29.36	29.47	32.43	<=33	Pass
		Inner_1RB_Left	26.26	26.35	29.32	28.86	28.95	31.92	<=33	Pass
		Inner_1RB_Right	26.75	26.94	29.86	29.35	29.54	32.46	<=33	Pass
DFT-s-OFDM QPSK	2536.02	Outer_Full	24.48	24.42	27.46	27.08	27.02	30.06	<=33	Pass
		Inner_Full	26.54	26.50	29.53	29.14	29.10	32.13	<=33	Pass
		Inner_1RB_Left	26.05	25.89	28.98	28.65	28.49	31.58	<=33	Pass
		Inner_1RB_Right	26.60	26.55	29.59	29.20	29.15	32.19	<=33	Pass
	2592.99	Outer_Full	24.59	24.60	27.60	27.19	27.20	30.21	<=33	Pass
		Inner_Full	26.47	26.46	29.47	29.07	29.06	32.08	<=33	Pass
		Inner_1RB_Left	26.15	26.16	29.16	28.75	28.76	31.77	<=33	Pass
		Inner_1RB_Right	26.75	26.93	29.85	29.35	29.53	32.45	<=33	Pass
	2649.99	Outer_Full	24.65	24.78	27.73	27.25	27.38	30.33	<=33	Pass
		Inner_Full	26.78	26.88	29.84	29.38	29.48	32.44	<=33	Pass
		Inner_1RB_Left	26.18	26.26	29.23	28.78	28.86	31.83	<=33	Pass
		Inner_1RB_Right	26.64	26.82	29.75	29.24	29.42	32.34	<=33	Pass
DFT-s-OFDM 16 QAM	2536.02	Outer_Full	23.55	23.50	26.54	26.15	26.10	29.14	<=33	Pass
		Inner_Full	25.57	25.53	28.56	28.17	28.13	31.16	<=33	Pass
		Inner_1RB_Left	25.12	24.96	28.05	27.72	27.56	30.65	<=33	Pass
		Inner_1RB_Right	25.67	25.62	28.66	28.27	28.22	31.26	<=33	Pass
	2592.99	Outer_Full	23.51	23.53	26.53	26.11	26.13	29.13	<=33	Pass
		Inner_Full	25.60	25.58	28.60	28.20	28.18	31.20	<=33	Pass
		Inner_1RB_Left	25.45	25.45	28.46	28.05	28.05	31.06	<=33	Pass
		Inner_1RB_Right	26.02	26.19	29.11	28.62	28.79	31.72	<=33	Pass
	2649.99	Outer_Full	23.71	23.84	26.78	26.31	26.44	29.39	<=33	Pass
		Inner_Full	25.79	25.89	28.85	28.39	28.49	31.45	<=33	Pass
		Inner_1RB_Left	25.55	25.64	28.60	28.15	28.24	31.21	<=33	Pass
		Inner_1RB_Right	26.01	26.19	29.11	28.61	28.79	31.71	<=33	Pass
DFT-s-OFDM 64 QAM	2536.02	Outer_Full	22.94	22.89	25.92	25.54	25.49	28.53	<=33	Pass
		Inner_Full	23.49	23.45	26.48	26.09	26.05	29.08	<=33	Pass
		Inner_1RB_Left	23.16	23.01	26.10	25.76	25.61	28.70	<=33	Pass
		Inner_1RB_Right	23.66	23.61	26.64	26.26	26.21	29.25	<=33	Pass
	2592.99	Outer_Full	23.08	23.10	26.10	25.68	25.70	28.70	<=33	Pass
		Inner_Full	23.54	23.53	26.55	26.14	26.13	29.15	<=33	Pass
		Inner_1RB_Left	23.42	23.42	26.43	26.02	26.02	29.03	<=33	Pass
		Inner_1RB_Right	24.00	24.18	27.10	26.60	26.78	29.70	<=33	Pass
	2649.99	Outer_Full	23.19	23.31	26.26	25.79	25.91	28.86	<=33	Pass
		Inner_Full	23.73	23.84	26.79	26.33	26.44	29.40	<=33	Pass
		Inner_1RB_Left	23.47	23.56	26.53	26.07	26.16	29.13	<=33	Pass
		Inner_1RB_Right	23.86	24.04	26.96	26.46	26.64	29.56	<=33	Pass
DFT-s-OFDM 256 QAM	2536.02	Outer_Full	20.93	20.88	23.92	23.53	23.48	26.52	<=33	Pass
		Inner_Full	20.98	20.94	23.97	23.58	23.54	26.57	<=33	Pass

		Inner_1RB_Left	20.40	20.24	23.33	23.00	22.84	25.93	<=33	Pass
		Inner_1RB_Right	20.94	20.89	23.93	23.54	23.49	26.53	<=33	Pass
	2592.99	Outer_Full	21.01	21.03	24.03	23.61	23.63	26.63	<=33	Pass
		Inner_Full	21.04	21.02	24.04	23.64	23.62	26.64	<=33	Pass
		Inner_1RB_Left	20.43	20.44	23.44	23.03	23.04	26.05	<=33	Pass
		Inner_1RB_Right	21.10	21.28	24.20	23.70	23.88	26.80	<=33	Pass
	2649.99	Outer_Full	21.13	21.26	24.21	23.73	23.86	26.81	<=33	Pass
		Inner_Full	21.16	21.28	24.23	23.76	23.88	26.83	<=33	Pass
		Inner_1RB_Left	20.62	20.71	23.67	23.22	23.31	26.28	<=33	Pass
		Inner_1RB_Right	21.18	21.37	24.28	23.78	23.97	26.89	<=33	Pass
CP-OFDM QPSK	2536.02	Outer_Full	22.45	22.40	25.43	25.05	25.00	28.04	<=33	Pass
		Inner_Full	25.10	25.06	28.09	27.70	27.66	30.69	<=33	Pass
		Inner_1RB_Left	24.85	24.69	27.78	27.45	27.29	30.38	<=33	Pass
		Inner_1RB_Right	25.15	25.10	28.14	27.75	27.70	30.74	<=33	Pass
	2592.99	Outer_Full	22.55	22.57	25.57	25.15	25.17	28.17	<=33	Pass
		Inner_Full	25.10	25.09	28.10	27.70	27.69	30.71	<=33	Pass
		Inner_1RB_Left	24.54	24.54	27.55	27.14	27.14	30.15	<=33	Pass
		Inner_1RB_Right	25.21	25.38	28.30	27.81	27.98	30.91	<=33	Pass
	2649.99	Outer_Full	22.63	22.76	25.70	25.23	25.36	28.31	<=33	Pass
		Inner_Full	25.22	25.33	28.29	27.82	27.93	30.89	<=33	Pass
		Inner_1RB_Left	24.80	24.88	27.85	27.40	27.48	30.45	<=33	Pass
		Inner_1RB_Right	25.18	25.36	28.28	27.78	27.96	30.88	<=33	Pass
CP-OFDM 16 QAM	2536.02	Outer_Full	22.40	22.35	25.39	25.00	24.95	27.99	<=33	Pass
		Inner_Full	24.47	24.43	27.46	27.07	27.03	30.06	<=33	Pass
		Inner_1RB_Left	24.37	24.21	27.30	26.97	26.81	29.90	<=33	Pass
		Inner_1RB_Right	24.75	24.70	27.73	27.35	27.30	30.34	<=33	Pass
	2592.99	Outer_Full	22.55	22.57	25.57	25.15	25.17	28.17	<=33	Pass
		Inner_Full	24.52	24.50	27.52	27.12	27.10	30.12	<=33	Pass
		Inner_1RB_Left	24.49	24.50	27.51	27.09	27.10	30.11	<=33	Pass
		Inner_1RB_Right	24.91	25.08	28.00	27.51	27.68	30.61	<=33	Pass
	2649.99	Outer_Full	22.64	22.77	25.72	25.24	25.37	28.32	<=33	Pass
		Inner_Full	24.70	24.81	27.77	27.30	27.41	30.37	<=33	Pass
		Inner_1RB_Left	24.56	24.64	27.61	27.16	27.24	30.21	<=33	Pass
		Inner_1RB_Right	25.04	25.23	28.15	27.64	27.83	30.75	<=33	Pass
CP-OFDM 64 QAM	2536.02	Outer_Full	21.98	21.92	24.96	24.58	24.52	27.56	<=33	Pass
		Inner_Full	22.51	22.47	25.50	25.11	25.07	28.10	<=33	Pass
		Inner_1RB_Left	22.12	21.96	25.05	24.72	24.56	27.65	<=33	Pass
		Inner_1RB_Right	22.71	22.66	25.69	25.31	25.26	28.30	<=33	Pass
	2592.99	Outer_Full	22.06	22.08	25.08	24.66	24.68	27.68	<=33	Pass
		Inner_Full	22.52	22.50	25.52	25.12	25.10	28.12	<=33	Pass
		Inner_1RB_Left	22.24	22.24	25.25	24.84	24.84	27.85	<=33	Pass
		Inner_1RB_Right	22.89	23.07	25.99	25.49	25.67	28.59	<=33	Pass
	2649.99	Outer_Full	22.15	22.28	25.23	24.75	24.88	27.83	<=33	Pass
		Inner_Full	22.71	22.82	25.78	25.31	25.42	28.38	<=33	Pass
		Inner_1RB_Left	22.12	22.21	25.17	24.72	24.81	27.78	<=33	Pass
		Inner_1RB_Right	22.70	22.89	25.81	25.30	25.49	28.41	<=33	Pass
CP-OFDM 256 QAM	2536.02	Outer_Full	18.88	18.83	21.87	21.48	21.43	24.47	<=33	Pass
		Inner_Full	18.85	18.82	21.85	21.45	21.42	24.45	<=33	Pass
		Inner_1RB_Left	18.53	18.38	21.46	21.13	20.98	24.07	<=33	Pass
		Inner_1RB_Right	18.95	18.91	21.94	21.55	21.51	24.54	<=33	Pass
	2592.99	Outer_Full	18.94	18.96	21.96	21.54	21.56	24.56	<=33	Pass
		Inner_Full	18.99	18.98	22.00	21.59	21.58	24.60	<=33	Pass
		Inner_1RB_Left	18.53	18.53	21.54	21.13	21.13	24.14	<=33	Pass
		Inner_1RB_Right	19.09	19.27	22.19	21.69	21.87	24.79	<=33	Pass
	2649.99	Outer_Full	19.03	19.16	22.11	21.63	21.76	24.71	<=33	Pass
		Inner_Full	19.20	19.31	22.26	21.80	21.91	24.87	<=33	Pass
		Inner_1RB_Left	18.78	18.86	21.83	21.38	21.46	24.43	<=33	Pass
		Inner_1RB_Right	19.34	19.53	22.44	21.94	22.13	25.05	<=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

1.1.19 30k_MIMO_90MHz_NTNV_EIRP

5G NR n41 SCS=30kHz MIMO 90MHz 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	2541	Outer_Full	25.01	24.97	28.00	27.61	27.57	30.60	<=33	Pass
		Inner_Full	26.53	26.52	29.53	29.13	29.12	32.14	<=33	Pass
		Inner_1RB_Left	25.95	25.81	28.89	28.55	28.41	31.49	<=33	Pass
		Inner_1RB_Right	26.66	26.71	29.69	29.26	29.31	32.30	<=33	Pass
	2592.99	Outer_Full	25.04	25.06	28.06	27.64	27.66	30.66	<=33	Pass
		Inner_Full	26.58	26.57	29.59	29.18	29.17	32.19	<=33	Pass
		Inner_1RB_Left	26.08	26.07	29.08	28.68	28.67	31.69	<=33	Pass
		Inner_1RB_Right	26.87	27.01	29.95	29.47	29.61	32.55	<=33	Pass
	2644.98	Outer_Full	25.09	25.20	28.16	27.69	27.80	30.76	<=33	Pass
		Inner_Full	26.76	26.87	29.82	29.36	29.47	32.43	<=33	Pass
		Inner_1RB_Left	26.03	26.02	29.03	28.63	28.62	31.64	<=33	Pass
		Inner_1RB_Right	26.74	26.94	29.85	29.34	29.54	32.45	<=33	Pass
DFT-s-OFDM QPSK	2541	Outer_Full	24.53	24.50	27.53	27.13	27.10	30.13	<=33	Pass
		Inner_Full	26.55	26.54	29.55	29.15	29.14	32.16	<=33	Pass
		Inner_1RB_Left	25.89	25.75	28.83	28.49	28.35	31.43	<=33	Pass
		Inner_1RB_Right	26.79	26.84	29.82	29.39	29.44	32.43	<=33	Pass
	2592.99	Outer_Full	24.58	24.60	27.60	27.18	27.20	30.20	<=33	Pass
		Inner_Full	26.60	26.58	29.60	29.20	29.18	32.20	<=33	Pass
		Inner_1RB_Left	26.12	26.11	29.12	28.72	28.71	31.73	<=33	Pass
		Inner_1RB_Right	26.74	26.89	29.82	29.34	29.49	32.43	<=33	Pass
	2644.98	Outer_Full	24.61	24.72	27.68	27.21	27.32	30.28	<=33	Pass
		Inner_Full	26.69	26.80	29.76	29.29	29.40	32.36	<=33	Pass
		Inner_1RB_Left	26.01	25.99	29.01	28.61	28.59	31.61	<=33	Pass
		Inner_1RB_Right	26.62	26.82	29.73	29.22	29.42	32.33	<=33	Pass
DFT-s-OFDM 16 QAM	2541	Outer_Full	23.51	23.48	26.51	26.11	26.08	29.11	<=33	Pass
		Inner_Full	25.53	25.52	28.53	28.13	28.12	31.14	<=33	Pass
		Inner_1RB_Left	25.28	25.14	28.22	27.88	27.74	30.82	<=33	Pass
		Inner_1RB_Right	25.92	25.97	28.95	28.52	28.57	31.56	<=33	Pass
	2592.99	Outer_Full	23.57	23.60	26.59	26.17	26.20	29.20	<=33	Pass
		Inner_Full	25.63	25.61	28.63	28.23	28.21	31.23	<=33	Pass
		Inner_1RB_Left	25.41	25.41	28.42	28.01	28.01	31.02	<=33	Pass
		Inner_1RB_Right	26.07	26.22	29.15	28.67	28.82	31.76	<=33	Pass
	2644.98	Outer_Full	23.65	23.76	26.71	26.25	26.36	29.32	<=33	Pass
		Inner_Full	25.78	25.90	28.85	28.38	28.50	31.45	<=33	Pass
		Inner_1RB_Left	25.29	25.28	28.30	27.89	27.88	30.90	<=33	Pass
		Inner_1RB_Right	26.04	26.24	29.15	28.64	28.84	31.75	<=33	Pass
DFT-s-OFDM 64 QAM	2541	Outer_Full	22.97	22.94	25.96	25.57	25.54	28.57	<=33	Pass
		Inner_Full	23.56	23.55	26.56	26.16	26.15	29.17	<=33	Pass
		Inner_1RB_Left	23.15	23.01	26.09	25.75	25.61	28.69	<=33	Pass
		Inner_1RB_Right	23.83	23.88	26.86	26.43	26.48	29.47	<=33	Pass
	2592.99	Outer_Full	23.07	23.10	26.10	25.67	25.70	28.70	<=33	Pass
		Inner_Full	23.46	23.45	26.47	26.06	26.05	29.07	<=33	Pass
		Inner_1RB_Left	23.22	23.21	26.22	25.82	25.81	28.83	<=33	Pass
		Inner_1RB_Right	23.86	24.01	26.95	26.46	26.61	29.55	<=33	Pass
	2644.98	Outer_Full	23.13	23.24	26.20	25.73	25.84	28.80	<=33	Pass
		Inner_Full	23.73	23.85	26.80	26.33	26.45	29.40	<=33	Pass
		Inner_1RB_Left	23.18	23.17	26.19	25.78	25.77	28.79	<=33	Pass
		Inner_1RB_Right	23.86	24.06	26.97	26.46	26.66	29.57	<=33	Pass
DFT-s-OFDM 256 QAM	2541	Outer_Full	20.96	20.93	23.96	23.56	23.53	26.56	<=33	Pass
		Inner_Full	21.02	21.02	24.03	23.62	23.62	26.63	<=33	Pass

		Inner 1RB Left	20.53	20.39	23.47	23.13	22.99	26.07	<=33	Pass
		Inner 1RB Right	21.06	21.11	24.10	23.66	23.71	26.70	<=33	Pass
	2592.99	Outer Full	20.95	20.97	23.97	23.55	23.57	26.57	<=33	Pass
		Inner Full	21.01	20.99	24.01	23.61	23.59	26.61	<=33	Pass
		Inner 1RB Left	20.31	20.31	23.32	22.91	22.91	25.92	<=33	Pass
		Inner 1RB Right	21.04	21.19	24.13	23.64	23.79	26.73	<=33	Pass
	2644.98	Outer Full	21.01	21.13	24.08	23.61	23.73	26.68	<=33	Pass
		Inner Full	21.16	21.28	24.23	23.76	23.88	26.83	<=33	Pass
		Inner 1RB Left	20.28	20.28	23.29	22.88	22.88	25.89	<=33	Pass
		Inner 1RB Right	20.94	21.14	24.05	23.54	23.74	26.65	<=33	Pass
CP-OFDM QPSK	2541	Outer Full	22.47	22.44	25.46	25.07	25.04	28.07	<=33	Pass
		Inner Full	25.05	25.04	28.06	27.65	27.64	30.66	<=33	Pass
		Inner 1RB Left	24.45	24.31	27.39	27.05	26.91	29.99	<=33	Pass
		Inner 1RB Right	25.11	25.16	28.14	27.71	27.76	30.75	<=33	Pass
	2592.99	Outer Full	22.54	22.57	25.56	25.14	25.17	28.17	<=33	Pass
		Inner Full	25.06	25.04	28.06	27.66	27.64	30.66	<=33	Pass
		Inner 1RB Left	24.82	24.81	27.82	27.42	27.41	30.43	<=33	Pass
		Inner 1RB Right	25.22	25.37	28.31	27.82	27.97	30.91	<=33	Pass
	2644.98	Outer Full	22.57	22.68	25.64	25.17	25.28	28.24	<=33	Pass
		Inner Full	25.27	25.38	28.33	27.87	27.98	30.94	<=33	Pass
		Inner 1RB Left	24.61	24.60	27.62	27.21	27.20	30.22	<=33	Pass
		Inner 1RB Right	25.19	25.39	28.30	27.79	27.99	30.90	<=33	Pass
CP-OFDM 16 QAM	2541	Outer Full	22.47	22.44	25.47	25.07	25.04	28.07	<=33	Pass
		Inner Full	24.55	24.54	27.56	27.15	27.14	30.16	<=33	Pass
		Inner 1RB Left	24.24	24.10	27.18	26.84	26.70	29.78	<=33	Pass
		Inner 1RB Right	24.92	24.97	27.96	27.52	27.57	30.56	<=33	Pass
	2592.99	Outer Full	22.51	22.53	25.53	25.11	25.13	28.13	<=33	Pass
		Inner Full	24.55	24.53	27.55	27.15	27.13	30.15	<=33	Pass
		Inner 1RB Left	24.37	24.37	27.38	26.97	26.97	29.98	<=33	Pass
		Inner 1RB Right	25.05	25.19	28.13	27.65	27.79	30.73	<=33	Pass
	2644.98	Outer Full	22.62	22.73	25.69	25.22	25.33	28.29	<=33	Pass
		Inner Full	24.69	24.81	27.76	27.29	27.41	30.36	<=33	Pass
		Inner 1RB Left	24.27	24.26	27.28	26.87	26.86	29.88	<=33	Pass
		Inner 1RB Right	25.01	25.21	28.12	27.61	27.81	30.72	<=33	Pass
CP-OFDM 64 QAM	2541	Outer Full	21.97	21.94	24.96	24.57	24.54	27.57	<=33	Pass
		Inner Full	22.49	22.48	25.49	25.09	25.08	28.10	<=33	Pass
		Inner 1RB Left	21.90	21.76	24.84	24.50	24.36	27.44	<=33	Pass
		Inner 1RB Right	22.48	22.53	25.52	25.08	25.13	28.12	<=33	Pass
	2592.99	Outer Full	22.00	22.02	25.02	24.60	24.62	27.62	<=33	Pass
		Inner Full	22.58	22.57	25.58	25.18	25.17	28.19	<=33	Pass
		Inner 1RB Left	22.20	22.19	25.21	24.80	24.79	27.81	<=33	Pass
		Inner 1RB Right	22.74	22.89	25.83	25.34	25.49	28.43	<=33	Pass
	2644.98	Outer Full	22.07	22.18	25.14	24.67	24.78	27.74	<=33	Pass
		Inner Full	22.72	22.83	25.78	25.32	25.43	28.39	<=33	Pass
		Inner 1RB Left	22.20	22.19	25.21	24.80	24.79	27.81	<=33	Pass
		Inner 1RB Right	22.85	23.05	25.97	25.45	25.65	28.56	<=33	Pass
CP-OFDM 256 QAM	2541	Outer Full	18.88	18.85	21.87	21.48	21.45	24.48	<=33	Pass
		Inner Full	18.88	18.87	21.88	21.48	21.47	24.49	<=33	Pass
		Inner 1RB Left	18.62	18.48	21.56	21.22	21.08	24.16	<=33	Pass
		Inner 1RB Right	19.22	19.27	22.25	21.82	21.87	24.86	<=33	Pass
	2592.99	Outer Full	18.88	18.91	21.91	21.48	21.51	24.51	<=33	Pass
		Inner Full	18.95	18.94	21.95	21.55	21.54	24.56	<=33	Pass
		Inner 1RB Left	18.49	18.48	21.49	21.09	21.08	24.10	<=33	Pass
		Inner 1RB Right	19.15	19.30	22.24	21.75	21.90	24.84	<=33	Pass
	2644.98	Outer Full	19.01	19.12	22.08	21.61	21.72	24.68	<=33	Pass
		Inner Full	19.08	19.20	22.15	21.68	21.80	24.75	<=33	Pass
		Inner 1RB Left	18.41	18.40	21.41	21.01	21.00	24.02	<=33	Pass
		Inner 1RB Right	19.07	19.27	22.18	21.67	21.87	24.78	<=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

1.1.20 30k_MIMO_100MHz_NTNV_EIRP

5G NR n41 SCS=30kHz MIMO 100MHz 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	2546.01	Outer_Full	24.96	24.93	27.96	27.56	27.53	30.56	<=33	Pass
		Inner_Full	26.46	26.44	29.46	29.06	29.04	32.06	<=33	Pass
		Inner_1RB_Left	25.93	25.80	28.87	28.53	28.40	31.48	<=33	Pass
		Inner_1RB_Right	26.58	26.65	29.62	29.18	29.25	32.23	<=33	Pass
	2592.99	Outer_Full	25.09	25.12	28.12	27.69	27.72	30.72	<=33	Pass
		Inner_Full	26.59	26.58	29.60	29.19	29.18	32.20	<=33	Pass
		Inner_1RB_Left	26.10	26.06	29.09	28.70	28.66	31.69	<=33	Pass
		Inner_1RB_Right	26.80	26.93	29.88	29.40	29.53	32.48	<=33	Pass
	2640	Outer_Full	25.15	25.24	28.20	27.75	27.84	30.81	<=33	Pass
		Inner_Full	26.61	26.70	29.66	29.21	29.30	32.27	<=33	Pass
		Inner_1RB_Left	26.10	26.08	29.10	28.70	28.68	31.70	<=33	Pass
		Inner_1RB_Right	26.81	26.98	29.91	29.41	29.58	32.51	<=33	Pass
DFT-s-OFDM QPSK	2546.01	Outer_Full	24.45	24.43	27.45	27.05	27.03	30.05	<=33	Pass
		Inner_Full	26.58	26.56	29.58	29.18	29.16	32.18	<=33	Pass
		Inner_1RB_Left	25.82	25.69	28.77	28.42	28.29	31.37	<=33	Pass
		Inner_1RB_Right	26.41	26.48	29.46	29.01	29.08	32.06	<=33	Pass
	2592.99	Outer_Full	24.60	24.63	27.62	27.20	27.23	30.23	<=33	Pass
		Inner_Full	26.63	26.61	29.63	29.23	29.21	32.23	<=33	Pass
		Inner_1RB_Left	26.18	26.14	29.17	28.78	28.74	31.77	<=33	Pass
		Inner_1RB_Right	26.89	27.02	29.97	29.49	29.62	32.57	<=33	Pass
	2640	Outer_Full	24.63	24.72	27.68	27.23	27.32	30.29	<=33	Pass
		Inner_Full	26.70	26.80	29.76	29.30	29.40	32.36	<=33	Pass
		Inner_1RB_Left	26.07	26.05	29.07	28.67	28.65	31.67	<=33	Pass
		Inner_1RB_Right	26.82	26.99	29.91	29.42	29.59	32.52	<=33	Pass
DFT-s-OFDM 16 QAM	2546.01	Outer_Full	23.45	23.42	26.44	26.05	26.02	29.05	<=33	Pass
		Inner_Full	25.49	25.47	28.49	28.09	28.07	31.09	<=33	Pass
		Inner_1RB_Left	25.34	25.20	28.28	27.94	27.80	30.88	<=33	Pass
		Inner_1RB_Right	25.89	25.96	28.94	28.49	28.56	31.54	<=33	Pass
	2592.99	Outer_Full	23.60	23.63	26.63	26.20	26.23	29.23	<=33	Pass
		Inner_Full	25.60	25.58	28.60	28.20	28.18	31.20	<=33	Pass
		Inner_1RB_Left	25.41	25.36	28.40	28.01	27.96	31.00	<=33	Pass
		Inner_1RB_Right	26.18	26.31	29.25	28.78	28.91	31.86	<=33	Pass
	2640	Outer_Full	23.64	23.73	26.69	26.24	26.33	29.30	<=33	Pass
		Inner_Full	25.72	25.81	28.78	28.32	28.41	31.38	<=33	Pass
		Inner_1RB_Left	25.34	25.31	28.33	27.94	27.91	30.94	<=33	Pass
		Inner_1RB_Right	26.01	26.18	29.11	28.61	28.78	31.71	<=33	Pass
DFT-s-OFDM 64 QAM	2546.01	Outer_Full	22.94	22.91	25.94	25.54	25.51	28.54	<=33	Pass
		Inner_Full	23.53	23.51	26.53	26.13	26.11	29.13	<=33	Pass
		Inner_1RB_Left	23.16	23.03	26.11	25.76	25.63	28.71	<=33	Pass
		Inner_1RB_Right	23.80	23.87	26.84	26.40	26.47	29.45	<=33	Pass
	2592.99	Outer_Full	23.09	23.12	26.12	25.69	25.72	28.72	<=33	Pass
		Inner_Full	23.59	23.58	26.60	26.19	26.18	29.20	<=33	Pass
		Inner_1RB_Left	23.22	23.17	26.20	25.82	25.77	28.81	<=33	Pass
		Inner_1RB_Right	23.99	24.12	27.06	26.59	26.72	29.67	<=33	Pass
	2640	Outer_Full	23.11	23.19	26.16	25.71	25.79	28.76	<=33	Pass
		Inner_Full	23.71	23.80	26.77	26.31	26.40	29.37	<=33	Pass
		Inner_1RB_Left	23.15	23.12	26.14	25.75	25.72	28.75	<=33	Pass
		Inner_1RB_Right	23.94	24.11	27.03	26.54	26.71	29.64	<=33	Pass
DFT-s-OFDM 256 QAM	2546.01	Outer_Full	20.91	20.88	23.91	23.51	23.48	26.51	<=33	Pass
		Inner_Full	20.99	20.97	23.99	23.59	23.57	26.59	<=33	Pass

		Inner 1RB Left	20.32	20.19	23.26	22.92	22.79	25.87	<=33	Pass
		Inner 1RB Right	20.93	21.01	23.98	23.53	23.61	26.58	<=33	Pass
	2592.99	Outer Full	21.05	21.08	24.08	23.65	23.68	26.68	<=33	Pass
		Inner Full	21.04	21.03	24.05	23.64	23.63	26.65	<=33	Pass
		Inner 1RB Left	20.60	20.56	23.59	23.20	23.16	26.19	<=33	Pass
		Inner 1RB Right	21.22	21.35	24.29	23.82	23.95	26.90	<=33	Pass
	2640	Outer Full	21.09	21.18	24.15	23.69	23.78	26.75	<=33	Pass
		Inner Full	21.17	21.27	24.23	23.77	23.87	26.83	<=33	Pass
		Inner 1RB Left	20.60	20.57	23.60	23.20	23.17	26.20	<=33	Pass
		Inner 1RB Right	21.33	21.50	24.43	23.93	24.10	27.03	<=33	Pass
CP-OFDM QPSK	2546.01	Outer Full	22.43	22.40	25.43	25.03	25.00	28.03	<=33	Pass
		Inner Full	25.00	24.98	28.00	27.60	27.58	30.60	<=33	Pass
		Inner 1RB Left	24.43	24.30	27.37	27.03	26.90	29.98	<=33	Pass
		Inner 1RB Right	25.03	25.10	28.07	27.63	27.70	30.68	<=33	Pass
	2592.99	Outer Full	22.53	22.56	25.56	25.13	25.16	28.16	<=33	Pass
		Inner Full	25.06	25.05	28.07	27.66	27.65	30.67	<=33	Pass
		Inner 1RB Left	24.68	24.64	27.67	27.28	27.24	30.27	<=33	Pass
		Inner 1RB Right	25.24	25.36	28.31	27.84	27.96	30.91	<=33	Pass
	2640	Outer Full	22.63	22.72	25.69	25.23	25.32	28.29	<=33	Pass
		Inner Full	25.20	25.30	28.26	27.80	27.90	30.86	<=33	Pass
		Inner 1RB Left	24.57	24.55	27.57	27.17	27.15	30.17	<=33	Pass
		Inner 1RB Right	25.32	25.49	28.42	27.92	28.09	31.02	<=33	Pass
CP-OFDM 16 QAM	2546.01	Outer Full	22.44	22.42	25.44	25.04	25.02	28.04	<=33	Pass
		Inner Full	24.52	24.50	27.52	27.12	27.10	30.12	<=33	Pass
		Inner 1RB Left	24.26	24.13	27.21	26.86	26.73	29.81	<=33	Pass
		Inner 1RB Right	24.79	24.86	27.84	27.39	27.46	30.44	<=33	Pass
	2592.99	Outer Full	22.61	22.64	25.63	25.21	25.24	28.24	<=33	Pass
		Inner Full	24.58	24.57	27.58	27.18	27.17	30.19	<=33	Pass
		Inner 1RB Left	24.38	24.34	27.37	26.98	26.94	29.97	<=33	Pass
		Inner 1RB Right	25.02	25.15	28.10	27.62	27.75	30.70	<=33	Pass
	2640	Outer Full	22.60	22.69	25.66	25.20	25.29	28.26	<=33	Pass
		Inner Full	24.73	24.83	27.79	27.33	27.43	30.39	<=33	Pass
		Inner 1RB Left	24.48	24.46	27.48	27.08	27.06	30.08	<=33	Pass
		Inner 1RB Right	25.12	25.30	28.22	27.72	27.90	30.82	<=33	Pass
CP-OFDM 64 QAM	2546.01	Outer Full	21.91	21.89	24.91	24.51	24.49	27.51	<=33	Pass
		Inner Full	22.45	22.43	25.45	25.05	25.03	28.05	<=33	Pass
		Inner 1RB Left	21.80	21.67	24.75	24.40	24.27	27.35	<=33	Pass
		Inner 1RB Right	22.44	22.51	25.49	25.04	25.11	28.09	<=33	Pass
	2592.99	Outer Full	22.07	22.10	25.10	24.67	24.70	27.70	<=33	Pass
		Inner Full	22.50	22.50	25.51	25.10	25.10	28.11	<=33	Pass
		Inner 1RB Left	21.96	21.92	24.95	24.56	24.52	27.55	<=33	Pass
		Inner 1RB Right	22.68	22.80	25.75	25.28	25.40	28.35	<=33	Pass
	2640	Outer Full	22.15	22.24	25.21	24.75	24.84	27.81	<=33	Pass
		Inner Full	22.72	22.81	25.78	25.32	25.41	28.38	<=33	Pass
		Inner 1RB Left	22.29	22.27	25.29	24.89	24.87	27.89	<=33	Pass
		Inner 1RB Right	22.94	23.11	26.03	25.54	25.71	28.64	<=33	Pass
CP-OFDM 256 QAM	2546.01	Outer Full	18.83	18.81	21.83	21.43	21.41	24.43	<=33	Pass
		Inner Full	18.93	18.91	21.93	21.53	21.51	24.53	<=33	Pass
		Inner 1RB Left	18.58	18.45	21.53	21.18	21.05	24.13	<=33	Pass
		Inner 1RB Right	19.21	19.29	22.26	21.81	21.89	24.86	<=33	Pass
	2592.99	Outer Full	19.00	19.03	22.02	21.60	21.63	24.63	<=33	Pass
		Inner Full	18.95	18.95	21.96	21.55	21.55	24.56	<=33	Pass
		Inner 1RB Left	18.79	18.75	21.78	21.39	21.35	24.38	<=33	Pass
		Inner 1RB Right	19.41	19.54	22.48	22.01	22.14	25.09	<=33	Pass
	2640	Outer Full	19.06	19.15	22.12	21.66	21.75	24.72	<=33	Pass
		Inner Full	19.09	19.19	22.15	21.69	21.79	24.75	<=33	Pass
		Inner 1RB Left	18.59	18.57	21.59	21.19	21.17	24.19	<=33	Pass
		Inner 1RB Right	19.20	19.37	22.30	21.80	21.97	24.90	<=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

2. Frequency Stability

2.1 Test Result

2.1.1 30k_SISO_100MHz

5G NR n41 SCS=30kHz SISO 100MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2592.99	Outer_Full	20	LV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	2.70	0.0010	>=-2.5 & <=2.5	Pass
				HV	-1.30	-0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	-1.60	-0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	1.60	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	1.20	0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	1.60	0.0006	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_10MHz_NTNV

5G NR n41 SCS=30kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2501.01	Outer_Full	8.60	9.38	/	Pass
	2592.99	Outer_Full	8.63	9.44	/	Pass
	2685	Outer_Full	8.62	9.47	/	Pass
DFT-s-OFDM QPSK	2501.01	Outer_Full	8.63	9.54	/	Pass
	2592.99	Outer_Full	8.65	9.42	/	Pass
	2685	Outer_Full	8.63	9.49	/	Pass
DFT-s-OFDM 16 QAM	2501.01	Outer_Full	8.63	9.51	/	Pass
	2592.99	Outer_Full	8.66	9.46	/	Pass
	2685	Outer_Full	8.65	9.46	/	Pass
DFT-s-OFDM 64 QAM	2501.01	Outer_Full	8.62	9.46	/	Pass

DFT-s-OFDM 256 QAM	2592.99	Outer_Full	8.65	9.43	/	Pass
	2685	Outer_Full	8.64	9.48	/	Pass
	2501.01	Outer_Full	8.63	9.49	/	Pass
	2592.99	Outer_Full	8.62	9.46	/	Pass
	2685	Outer_Full	8.63	9.47	/	Pass
CP-OFDM QPSK	2501.01	Outer_Full	8.64	9.45	/	Pass
	2592.99	Outer_Full	8.62	9.49	/	Pass
	2685	Outer_Full	8.63	9.41	/	Pass
CP-OFDM 16 QAM	2501.01	Outer_Full	8.65	9.44	/	Pass
	2592.99	Outer_Full	8.62	9.45	/	Pass
	2685	Outer_Full	8.65	9.49	/	Pass
CP-OFDM 64 QAM	2501.01	Outer_Full	8.63	9.40	/	Pass
	2592.99	Outer_Full	8.65	9.44	/	Pass
	2685	Outer_Full	8.63	9.48	/	Pass
CP-OFDM 256 QAM	2501.01	Outer_Full	8.64	9.50	/	Pass
	2592.99	Outer_Full	8.66	9.46	/	Pass
	2685	Outer_Full	8.64	9.47	/	Pass

3.1.2 30k_SISO_15MHz_NTNV

5G NR n41 SCS=30kHz SISO 15MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2503.5	Outer_Full	12.95	13.93	/	Pass
	2592.99	Outer_Full	12.96	13.95	/	Pass
	2682.48	Outer_Full	12.95	13.89	/	Pass
DFT-s-OFDM QPSK	2503.5	Outer_Full	12.96	14.03	/	Pass
	2592.99	Outer_Full	12.97	14.05	/	Pass
	2682.48	Outer_Full	12.98	13.96	/	Pass
DFT-s-OFDM 16 QAM	2503.5	Outer_Full	12.93	13.98	/	Pass
	2592.99	Outer_Full	12.94	13.94	/	Pass
	2682.48	Outer_Full	12.96	13.86	/	Pass
DFT-s-OFDM 64 QAM	2503.5	Outer_Full	12.96	13.95	/	Pass
	2592.99	Outer_Full	12.98	13.96	/	Pass
	2682.48	Outer_Full	12.97	13.92	/	Pass
DFT-s-OFDM 256 QAM	2503.5	Outer_Full	12.95	13.85	/	Pass
	2592.99	Outer_Full	12.97	13.96	/	Pass
	2682.48	Outer_Full	12.95	14.01	/	Pass
CP-OFDM QPSK	2503.5	Outer_Full	13.63	14.71	/	Pass
	2592.99	Outer_Full	13.63	14.70	/	Pass
	2682.48	Outer_Full	13.63	14.76	/	Pass
CP-OFDM 16 QAM	2503.5	Outer_Full	13.63	14.58	/	Pass
	2592.99	Outer_Full	13.62	14.67	/	Pass
	2682.48	Outer_Full	13.64	14.64	/	Pass
CP-OFDM 64 QAM	2503.5	Outer_Full	13.64	14.59	/	Pass
	2592.99	Outer_Full	13.63	14.62	/	Pass
	2682.48	Outer_Full	13.63	14.71	/	Pass
CP-OFDM 256 QAM	2503.5	Outer_Full	13.66	14.60	/	Pass
	2592.99	Outer_Full	13.65	14.61	/	Pass
	2682.48	Outer_Full	13.60	14.63	/	Pass

3.1.3 30k_SISO_20MHz_NTNV

5G NR n41 SCS=30kHz SISO 20MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict

DFT-s-OFDM PI/2 BPSK	2506.02	Outer_Full	18.00	19.26	/	Pass
	2592.99	Outer_Full	18.07	19.26	/	Pass
	2679.99	Outer_Full	18.04	19.27	/	Pass
DFT-s-OFDM QPSK	2506.02	Outer_Full	18.02	19.23	/	Pass
	2592.99	Outer_Full	18.01	19.27	/	Pass
	2679.99	Outer_Full	18.05	19.32	/	Pass
DFT-s-OFDM 16 QAM	2506.02	Outer_Full	18.05	19.26	/	Pass
	2592.99	Outer_Full	18.05	19.24	/	Pass
	2679.99	Outer_Full	18.06	19.29	/	Pass
DFT-s-OFDM 64 QAM	2506.02	Outer_Full	17.98	19.26	/	Pass
	2592.99	Outer_Full	18.03	19.25	/	Pass
	2679.99	Outer_Full	18.01	19.27	/	Pass
DFT-s-OFDM 256 QAM	2506.02	Outer_Full	18.01	19.34	/	Pass
	2592.99	Outer_Full	18.03	19.30	/	Pass
	2679.99	Outer_Full	18.01	19.30	/	Pass
CP-OFDM QPSK	2506.02	Outer_Full	18.36	19.58	/	Pass
	2592.99	Outer_Full	18.36	19.63	/	Pass
	2679.99	Outer_Full	18.35	19.66	/	Pass
CP-OFDM 16 QAM	2506.02	Outer_Full	18.32	19.67	/	Pass
	2592.99	Outer_Full	18.33	19.60	/	Pass
	2679.99	Outer_Full	18.35	19.58	/	Pass
CP-OFDM 64 QAM	2506.02	Outer_Full	18.30	19.59	/	Pass
	2592.99	Outer_Full	18.32	19.75	/	Pass
	2679.99	Outer_Full	18.29	19.54	/	Pass
CP-OFDM 256 QAM	2506.02	Outer_Full	18.35	19.55	/	Pass
	2592.99	Outer_Full	18.33	19.64	/	Pass
	2679.99	Outer_Full	18.35	19.65	/	Pass

3.1.4 30k_SISO_30MHz_NTNV

5G NR n41 SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2511	Outer_Full	27.20	29.19	/	Pass
	2592.99	Outer_Full	27.18	29.19	/	Pass
	2674.98	Outer_Full	27.27	29.23	/	Pass
DFT-s-OFDM QPSK	2511	Outer_Full	27.14	29.42	/	Pass
	2592.99	Outer_Full	27.14	29.42	/	Pass
	2674.98	Outer_Full	27.16	29.42	/	Pass
DFT-s-OFDM 16 QAM	2511	Outer_Full	27.11	29.35	/	Pass
	2592.99	Outer_Full	27.18	29.41	/	Pass
	2674.98	Outer_Full	27.19	29.49	/	Pass
DFT-s-OFDM 64 QAM	2511	Outer_Full	27.21	29.33	/	Pass
	2592.99	Outer_Full	27.17	29.38	/	Pass
	2674.98	Outer_Full	27.26	29.57	/	Pass
DFT-s-OFDM 256 QAM	2511	Outer_Full	27.03	29.30	/	Pass
	2592.99	Outer_Full	27.07	29.44	/	Pass
	2674.98	Outer_Full	27.06	29.37	/	Pass
CP-OFDM QPSK	2511	Outer_Full	28.14	30.38	/	Pass
	2592.99	Outer_Full	28.19	30.36	/	Pass
	2674.98	Outer_Full	28.19	30.44	/	Pass
CP-OFDM 16 QAM	2511	Outer_Full	28.21	30.42	/	Pass
	2592.99	Outer_Full	28.18	30.55	/	Pass
	2674.98	Outer_Full	28.20	30.45	/	Pass
CP-OFDM 64 QAM	2511	Outer_Full	28.15	34.28	/	Pass
	2592.99	Outer_Full	28.12	37.44	/	Pass
	2674.98	Outer_Full	28.17	35.12	/	Pass
CP-OFDM 256 QAM	2511	Outer_Full	28.14	30.38	/	Pass