

Appendix C.6

LTE Band n48



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1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 30k_MIMO_10MHz_NTNV_EIRP

Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	
CP-OFDM QPSK	3555	Edge_1RB_Left	17.49	17.81	20.66	31.49	31.81	34.66	/ Pass
		Edge_1RB_Right	17.46	17.78	20.64	31.46	31.78	34.63	/ Pass
		Outer_Full	17.58	17.86	20.73	31.58	31.86	34.73	/ Pass
		Inner_Full	19.07	19.38	22.24	33.07	33.38	36.24	/ Pass
		Inner_1RB_Left	19.03	19.42	22.24	33.03	33.42	36.24	/ Pass
		Inner_1RB_Right	19.03	19.41	22.23	33.03	33.41	36.23	/ Pass
	3624.99	Edge_1RB_Left	17.51	17.99	20.77	31.51	31.99	34.77	/ Pass
		Edge_1RB_Right	17.50	17.77	20.64	31.50	31.77	34.65	/ Pass
		Outer_Full	17.43	17.96	20.72	31.43	31.96	34.71	/ Pass
		Inner_Full	19.01	19.48	22.26	33.01	33.48	36.26	/ Pass
		Inner_1RB_Left	19.13	19.43	22.29	33.13	33.43	36.29	/ Pass
		Inner_1RB_Right	18.98	19.39	22.20	32.98	33.39	36.20	/ Pass
CP-OFDM 16 QAM	3694.98	Edge_1RB_Left	17.85	17.84	20.86	31.85	31.84	34.86	/ Pass
		Edge_1RB_Right	17.71	17.83	20.78	31.71	31.83	34.78	/ Pass
		Outer_Full	17.76	17.74	20.76	31.76	31.74	34.76	/ Pass
		Inner_Full	19.26	19.42	22.35	33.26	33.42	36.35	/ Pass
		Inner_1RB_Left	19.50	19.33	22.43	33.50	33.33	36.43	/ Pass
		Inner_1RB_Right	19.25	19.33	22.30	33.25	33.33	36.30	/ Pass
	3555	Edge_1RB_Left	17.55	17.83	20.70	31.55	31.83	34.70	/ Pass
		Edge_1RB_Right	17.42	17.99	20.72	31.42	31.99	34.72	/ Pass
		Outer_Full	17.59	17.83	20.73	31.59	31.83	34.72	/ Pass
		Inner_Full	18.61	18.75	21.69	32.61	32.75	35.69	/ Pass
		Inner_1RB_Left	18.38	18.83	21.62	32.38	32.83	35.62	/ Pass
		Inner_1RB_Right	18.41	18.88	21.66	32.41	32.88	35.66	/ Pass
	3624.99	Edge_1RB_Left	17.46	17.91	20.70	31.46	31.91	34.70	/ Pass
		Edge_1RB_Right	17.44	17.88	20.68	31.44	31.88	34.68	/ Pass
		Outer_Full	17.55	17.93	20.76	31.55	31.93	34.75	/ Pass
		Inner_Full	18.49	18.96	21.74	32.49	32.96	35.74	/ Pass
		Inner_1RB_Left	18.34	18.93	21.66	32.34	32.93	35.66	/ Pass



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		Inner_1RB_Right	18.55	19.02	21.80	32.55	33.02	35.80	/	Pass
3694.98	3694.98	Edge_1RB_Left	17.80	18.05	20.93	31.80	32.05	34.94	/	Pass
		Edge_1RB_Right	17.86	17.83	20.86	31.86	31.83	34.86	/	Pass
		Outer_Full	17.86	17.80	20.84	31.86	31.80	34.84	/	Pass
		Inner_Full	18.79	18.80	21.80	32.79	32.80	35.81	/	Pass
		Inner_1RB_Left	18.78	18.85	21.82	32.78	32.85	35.83	/	Pass
		Inner_1RB_Right	18.70	18.94	21.83	32.70	32.94	35.83	/	Pass
CP-OFDM 64 QAM	3555	Edge_1RB_Left	16.98	17.39	20.20	30.98	31.39	34.20	/	Pass
		Edge_1RB_Right	17.12	17.38	20.26	31.12	31.38	34.26	/	Pass
		Outer_Full	17.11	17.38	20.26	31.11	31.38	34.26	/	Pass
		Inner_Full	17.08	17.33	20.22	31.08	31.33	34.22	/	Pass
		Inner_1RB_Left	16.99	17.29	20.15	30.99	31.29	34.15	/	Pass
		Inner_1RB_Right	17.15	17.54	20.36	31.15	31.54	34.36	/	Pass
	3624.99	Edge_1RB_Left	17.20	17.34	20.28	31.20	31.34	34.28	/	Pass
		Edge_1RB_Right	16.86	17.20	20.04	30.86	31.20	34.04	/	Pass
		Outer_Full	17.01	17.41	20.22	31.01	31.41	34.22	/	Pass
		Inner_Full	17.04	17.36	20.21	31.04	31.36	34.21	/	Pass
		Inner_1RB_Left	17.03	17.60	20.33	31.03	31.60	34.33	/	Pass
		Inner_1RB_Right	16.95	17.46	20.22	30.95	31.46	34.22	/	Pass
CP-OFDM 256 QAM	3694.98	Edge_1RB_Left	17.41	17.27	20.35	31.41	31.27	34.35	/	Pass
		Edge_1RB_Right	17.14	17.14	20.15	31.14	31.14	34.15	/	Pass
		Outer_Full	17.37	17.27	20.33	31.37	31.27	34.33	/	Pass
		Inner_Full	17.32	17.34	20.34	31.32	31.34	34.34	/	Pass
		Inner_1RB_Left	17.27	17.27	20.28	31.27	31.27	34.28	/	Pass
		Inner_1RB_Right	17.32	17.18	20.26	31.32	31.18	34.26	/	Pass
	3555	Edge_1RB_Left	13.94	14.31	17.14	27.94	28.31	31.14	/	Pass
		Edge_1RB_Right	14.10	14.27	17.19	28.10	28.27	31.20	/	Pass
		Outer_Full	14.08	14.34	17.22	28.08	28.34	31.22	/	Pass
		Inner_Full	14.11	14.41	17.27	28.11	28.41	31.27	/	Pass
		Inner_1RB_Left	14.05	14.40	17.24	28.05	28.40	31.24	/	Pass
		Inner_1RB_Right	14.06	14.32	17.20	28.06	28.32	31.20	/	Pass
3624.99	3624.99	Edge_1RB_Left	14.03	14.36	17.21	28.03	28.36	31.21	/	Pass
		Edge_1RB_Right	14.14	14.55	17.36	28.14	28.55	31.36	/	Pass
		Outer_Full	14.06	14.48	17.28	28.06	28.48	31.29	/	Pass
		Inner_Full	14.11	14.50	17.32	28.11	28.50	31.32	/	Pass
		Inner_1RB_Left	13.96	14.63	17.32	27.96	28.63	31.32	/	Pass
		Inner_1RB_Right	14.16	14.59	17.39	28.16	28.59	31.39	/	Pass
	3694.98	Edge_1RB_Left	14.25	14.34	17.30	28.25	28.34	31.31	/	Pass



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		Edge_1RB_Right	14.36	14.39	17.38	28.36	28.39	31.39	/	Pass	
		Outer_Full	14.39	14.41	17.41	28.39	28.41	31.41	/	Pass	
		Inner_Full	14.36	14.47	17.43	28.36	28.47	31.43	/	Pass	
		Inner_1RB_Left	14.38	14.33	17.37	28.38	28.33	31.37	/	Pass	
		Inner_1RB_Right	14.29	14.28	17.30	28.29	28.28	31.30	/	Pass	
Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;											
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2											

1.1.2 30k_MIMO_10MHz_NTNV_EIRP(dBm/10MHz)

5G NR n48 SCS=30kHz MIMO 10MHz NTVN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3555	Edge_1RB_Left	17.37	17.41	20.40	31.37	31.41	34.40	<=47	Pass
		Edge_1RB_Right	17.01	16.84	19.94	31.01	30.84	33.94	<=47	Pass
		Outer_Full	17.56	17.44	20.51	31.56	31.44	34.51	<=47	Pass
		Inner_Full	19.38	19.02	22.21	33.38	33.02	36.21	<=47	Pass
		Inner_1RB_Left	19.35	18.93	22.16	33.35	32.93	36.16	<=47	Pass
		Inner_1RB_Right	18.68	19.07	21.89	32.68	33.07	35.89	<=47	Pass
	3624.99	Edge_1RB_Left	10.18	17.74	18.44	24.18	31.74	32.44	<=47	Pass
		Edge_1RB_Right	12.87	17.89	19.08	26.87	31.89	33.08	<=47	Pass
		Outer_Full	15.02	17.66	19.55	29.02	31.66	33.55	<=47	Pass
		Inner_Full	19.28	19.52	22.41	33.28	33.52	36.41	<=47	Pass
		Inner_1RB_Left	19.50	17.14	21.49	33.50	31.14	35.49	<=47	Pass
		Inner_1RB_Right	15.67	18.97	20.64	29.67	32.97	34.64	<=47	Pass
CP-OFDM 16 QAM	3694.98	Edge_1RB_Left	14.81	18.36	19.95	28.81	32.36	33.95	<=47	Pass
		Edge_1RB_Right	16.01	18.05	20.16	30.01	32.05	34.16	<=47	Pass
		Outer_Full	18.24	17.44	20.87	32.24	31.44	34.87	<=47	Pass
		Inner_Full	16.38	19.28	21.08	30.38	33.28	35.08	<=47	Pass
		Inner_1RB_Left	20.03	17.40	21.92	34.03	31.40	35.92	<=47	Pass
		Inner_1RB_Right	18.62	19.14	21.90	32.62	33.14	35.90	<=47	Pass
CP-OFDM 16 QAM	3555	Edge_1RB_Left	17.87	17.58	20.74	31.87	31.58	34.74	<=47	Pass
		Edge_1RB_Right	17.67	17.31	20.50	31.67	31.31	34.50	<=47	Pass
		Outer_Full	10.57	17.42	18.24	24.57	31.42	32.24	<=47	Pass
		Inner_Full	18.83	18.55	21.70	32.83	32.55	35.70	<=47	Pass
		Inner_1RB_Left	18.12	18.35	21.25	32.12	32.35	35.25	<=47	Pass

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	3624.99	Inner_1RB_Right	18.23	17.95	21.10	32.23	31.95	35.10	<=47	Pass
		Edge_1RB_Left	11.69	18.08	18.98	25.69	32.08	32.98	<=47	Pass
		Edge_1RB_Right	13.63	15.46	17.65	27.63	29.46	31.65	<=47	Pass
		Outer_Full	14.55	18.26	19.80	28.55	32.26	33.80	<=47	Pass
		Inner_Full	17.08	19.39	21.40	31.08	33.39	35.40	<=47	Pass
		Inner_1RB_Left	18.27	18.18	21.24	32.27	32.18	35.24	<=47	Pass
		Inner_1RB_Right	18.63	15.06	20.21	32.63	29.06	34.21	<=47	Pass
	3694.98	Edge_1RB_Left	10.12	17.58	18.30	24.12	31.58	32.30	<=47	Pass
		Edge_1RB_Right	10.45	16.25	17.26	24.45	30.25	31.26	<=47	Pass
		Outer_Full	14.28	17.80	19.40	28.28	31.80	33.40	<=47	Pass
		Inner_Full	19.17	19.15	22.17	33.17	33.15	36.17	<=47	Pass
		Inner_1RB_Left	19.25	15.76	20.86	33.25	29.76	34.86	<=47	Pass
		Inner_1RB_Right	19.54	18.89	22.24	33.54	32.89	36.24	<=47	Pass
CP-OFDM 64 QAM	3555	Edge_1RB_Left	17.13	17.26	20.21	31.13	31.26	34.21	<=47	Pass
		Edge_1RB_Right	17.01	16.75	19.89	31.01	30.75	33.89	<=47	Pass
		Outer_Full	17.39	16.79	20.11	31.39	30.79	34.11	<=47	Pass
		Inner_Full	17.22	17.36	20.30	31.22	31.36	34.30	<=47	Pass
		Inner_1RB_Left	17.08	-22.79	17.08	31.08	-8.79	31.08	<=47	Pass
		Inner_1RB_Right	15.18	17.26	19.35	29.18	31.26	33.35	<=47	Pass
	3624.99	Edge_1RB_Left	14.90	17.55	19.43	28.90	31.55	33.43	<=47	Pass
		Edge_1RB_Right	17.10	15.70	19.47	31.10	29.70	33.47	<=47	Pass
		Outer_Full	13.77	14.47	17.14	27.77	28.47	31.14	<=47	Pass
		Inner_Full	16.71	17.47	20.12	30.71	31.47	34.12	<=47	Pass
		Inner_1RB_Left	16.64	17.40	20.05	30.64	31.40	34.05	<=47	Pass
		Inner_1RB_Right	17.38	17.00	20.20	31.38	31.00	34.20	<=47	Pass
CP-OFDM 256 QAM	3694.98	Edge_1RB_Left	15.54	17.20	19.46	29.54	31.20	33.46	<=47	Pass
		Edge_1RB_Right	15.69	15.76	18.74	29.69	29.76	32.74	<=47	Pass
		Outer_Full	15.48	17.30	19.49	29.48	31.30	33.49	<=47	Pass
		Inner_Full	17.33	17.32	20.34	31.33	31.32	34.34	<=47	Pass
		Inner_1RB_Left	15.21	15.31	18.27	29.21	29.31	32.27	<=47	Pass
		Inner_1RB_Right	16.13	16.85	19.52	30.13	30.85	33.52	<=47	Pass
	3555	Edge_1RB_Left	-33.76	14.18	14.18	-19.76	28.18	28.18	<=47	Pass
		Edge_1RB_Right	14.50	13.96	17.25	28.50	27.96	31.25	<=47	Pass
		Outer_Full	14.30	10.11	15.70	28.30	24.11	29.70	<=47	Pass
		Inner_Full	14.44	14.05	17.26	28.44	28.05	31.26	<=47	Pass
		Inner_1RB_Left	14.39	14.47	17.44	28.39	28.47	31.44	<=47	Pass
		Inner_1RB_Right	14.07	14.07	17.08	28.07	28.07	31.08	<=47	Pass
	3624.99	Edge_1RB_Left	9.55	14.55	15.74	23.55	28.55	29.74	<=47	Pass



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3694.98	Edge_1RB_Right	14.29	15.04	17.69	28.29	29.04	31.69	<=47	Pass
	Outer_Full	14.10	12.21	16.27	28.10	26.21	30.27	<=47	Pass
	Inner_Full	13.56	11.56	15.68	27.56	25.56	29.68	<=47	Pass
	Inner_1RB_Left	13.87	10.10	15.39	27.87	24.10	29.39	<=47	Pass
	Inner_1RB_Right	11.93	15.02	16.75	25.93	29.02	30.75	<=47	Pass
	Edge_1RB_Left	12.30	13.97	16.23	26.30	27.97	30.23	<=47	Pass
	Edge_1RB_Right	13.84	14.20	17.03	27.84	28.20	31.03	<=47	Pass
	Outer_Full	14.21	14.63	17.44	28.21	28.63	31.44	<=47	Pass
	Inner_Full	13.82	10.18	15.38	27.82	24.18	29.38	<=47	Pass
	Inner_1RB_Left	11.29	14.16	15.97	25.29	28.16	29.97	<=47	Pass
	Inner_1RB_Right	14.75	5.76	15.27	28.75	19.76	29.27	<=47	Pass

Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.3 30k_MIMO_10MHz_NTNV_PSD

5G NR n48 SCS=30kHz MIMO 10MHz NTVN										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)			Verdict	
			Ant1	Ant2	Sum	Ant1	Ant2	Sum		
CP-OFDM QPSK	3555	Edge_1RB_Left	18.14	18.74	21.29	32.14	32.74	35.29	<=37	Pass
		Edge_1RB_Right	18.53	18.29	21.42	32.53	32.29	35.42	<=37	Pass
		Outer_Full	9.44	-0.01	9.78	23.44	13.99	23.78	<=37	Pass
		Inner_Full	14.15	13.89	16.65	28.15	27.89	30.65	<=37	Pass
		Inner_1RB_Left	19.82	20.45	22.79	33.82	34.45	36.79	<=37	Pass
		Inner_1RB_Right	19.54	19.84	22.10	33.54	33.84	36.10	<=37	Pass
	3624.99	Edge_1RB_Left	15.20	12.39	16.86	29.20	26.39	30.86	<=37	Pass
		Edge_1RB_Right	17.42	15.17	19.03	31.42	29.17	33.03	<=37	Pass
		Outer_Full	9.34	7.96	11.17	23.34	21.96	25.17	<=37	Pass
		Inner_Full	11.98	14.54	16.27	25.98	28.54	30.27	<=37	Pass
		Inner_1RB_Left	20.00	16.24	21.23	34.00	30.24	35.23	<=37	Pass
		Inner_1RB_Right	19.34	14.94	20.32	33.34	28.94	34.32	<=37	Pass
	3694.98	Edge_1RB_Left	13.48	15.26	17.27	27.48	29.26	31.27	<=37	Pass
		Edge_1RB_Right	18.93	17.67	21.18	32.93	31.67	35.18	<=37	Pass
		Outer_Full	10.33	7.59	11.83	24.33	21.59	25.83	<=37	Pass
		Inner_Full	12.43	10.67	14.23	26.43	24.67	28.23	<=37	Pass
		Inner_1RB_Left	19.91	19.57	22.75	33.91	33.57	36.75	<=37	Pass



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		Inner_1RB_Right	14.10	14.92	17.04	28.10	28.92	31.04	<=37	Pass
CP-OFDM 16 QAM	3555	Edge_1RB_Left	18.13	18.25	20.83	32.13	32.25	34.83	<=37	Pass
		Edge_1RB_Right	16.88	18.18	20.42	30.88	32.18	34.42	<=37	Pass
		Outer_Full	9.97	10.35	12.73	23.97	24.35	26.73	<=37	Pass
		Inner_Full	13.74	12.97	16.12	27.74	26.97	30.12	<=37	Pass
		Inner_1RB_Left	19.05	19.38	21.88	33.05	33.38	35.88	<=37	Pass
		Inner_1RB_Right	19.16	19.21	21.88	33.16	33.21	35.88	<=37	Pass
	3624.99	Edge_1RB_Left	17.85	18.95	21.26	31.85	32.95	35.26	<=37	Pass
		Edge_1RB_Right	18.37	18.54	21.34	32.37	32.54	35.34	<=37	Pass
		Outer_Full	9.27	6.91	10.97	23.27	20.91	24.97	<=37	Pass
		Inner_Full	13.58	12.00	15.65	27.58	26.00	29.65	<=37	Pass
		Inner_1RB_Left	19.09	19.25	22.04	33.09	33.25	36.04	<=37	Pass
		Inner_1RB_Right	17.35	19.14	21.18	31.35	33.14	35.18	<=37	Pass
CP-OFDM 64 QAM	3694.98	Edge_1RB_Left	18.11	18.25	21.03	32.11	32.25	35.03	<=37	Pass
		Edge_1RB_Right	17.93	12.17	18.63	31.93	26.17	32.63	<=37	Pass
		Outer_Full	9.87	7.82	11.75	23.87	21.82	25.75	<=37	Pass
		Inner_Full	11.90	13.05	15.26	25.90	27.05	29.26	<=37	Pass
		Inner_1RB_Left	19.45	14.07	20.20	33.45	28.07	34.20	<=37	Pass
		Inner_1RB_Right	19.82	19.69	22.56	33.82	33.69	36.56	<=37	Pass
	3555	Edge_1RB_Left	18.91	11.76	19.13	32.91	25.76	33.13	<=37	Pass
		Edge_1RB_Right	18.04	17.13	20.60	32.04	31.13	34.60	<=37	Pass
		Outer_Full	9.46	9.26	11.95	23.46	23.26	25.95	<=37	Pass
		Inner_Full	11.93	11.57	14.48	25.93	25.57	28.48	<=37	Pass
		Inner_1RB_Left	17.70	17.09	20.35	31.70	31.09	34.35	<=37	Pass
		Inner_1RB_Right	17.82	17.80	20.64	31.82	31.80	34.64	<=37	Pass
CP-OFDM 256	3624.99	Edge_1RB_Left	17.08	17.90	20.39	31.08	31.90	34.39	<=37	Pass
		Edge_1RB_Right	17.44	17.50	20.21	31.44	31.50	34.21	<=37	Pass
		Outer_Full	8.87	8.78	11.49	22.87	22.78	25.49	<=37	Pass
		Inner_Full	7.54	10.25	11.63	21.54	24.25	25.63	<=37	Pass
		Inner_1RB_Left	17.60	17.79	20.22	31.60	31.79	34.22	<=37	Pass
		Inner_1RB_Right	9.98	17.77	18.29	23.98	31.77	32.29	<=37	Pass
	3694.98	Edge_1RB_Left	17.81	18.17	20.86	31.81	32.17	34.86	<=37	Pass
		Edge_1RB_Right	18.85	18.02	21.45	32.85	32.02	35.45	<=37	Pass
		Outer_Full	9.59	6.62	11.06	23.59	20.62	25.06	<=37	Pass
		Inner_Full	9.32	9.93	12.18	23.32	23.93	26.18	<=37	Pass
		Inner_1RB_Left	17.51	18.45	20.69	31.51	32.45	34.69	<=37	Pass
		Inner_1RB_Right	17.76	17.60	20.42	31.76	31.60	34.42	<=37	Pass
CP-OFDM 256	3555	Edge_1RB_Left	14.72	14.44	17.37	28.72	28.44	31.37	<=37	Pass

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QAM		Edge_1RB_Right	14.60	14.69	17.55	28.60	28.69	31.55	<=37	Pass
		Outer_Full	6.00	6.10	8.59	20.00	20.10	22.59	<=37	Pass
		Inner_Full	9.05	9.02	11.89	23.05	23.02	25.89	<=37	Pass
		Inner_1RB_Left	15.17	14.37	17.80	29.17	28.37	31.80	<=37	Pass
		Inner_1RB_Right	14.23	14.77	17.24	28.23	28.77	31.24	<=37	Pass
	3624.99	Edge_1RB_Left	14.20	11.88	16.14	28.20	25.88	30.14	<=37	Pass
		Edge_1RB_Right	12.57	15.34	16.70	26.57	29.34	30.70	<=37	Pass
		Outer_Full	6.01	6.55	8.76	20.01	20.55	22.76	<=37	Pass
		Inner_Full	9.21	8.72	11.48	23.21	22.72	25.48	<=37	Pass
		Inner_1RB_Left	14.13	12.85	16.25	28.13	26.85	30.25	<=37	Pass
		Inner_1RB_Right	14.56	14.77	17.56	28.56	28.77	31.56	<=37	Pass
3694.98		Edge_1RB_Left	14.07	13.93	16.91	28.07	27.93	30.91	<=37	Pass
		Edge_1RB_Right	15.52	13.12	16.99	29.52	27.12	30.99	<=37	Pass
		Outer_Full	6.68	6.47	9.28	20.68	20.47	23.28	<=37	Pass
		Inner_Full	9.66	9.05	12.22	23.66	23.05	26.22	<=37	Pass
		Inner_1RB_Left	15.50	14.98	18.03	29.50	28.98	32.03	<=37	Pass
		Inner_1RB_Right	14.67	15.12	17.49	28.67	29.12	31.49	<=37	Pass
		Edge_1RB_Left	17.58	18.04	20.83	31.58	32.04	34.83	/	Pass
		Edge_1RB_Right	17.72	18.10	20.92	31.72	32.10	34.92	/	Pass
		Outer_Full	17.71	18.10	20.92	31.71	32.10	34.92	/	Pass
		Inner_Full	19.26	19.60	22.45	33.26	33.60	36.44	/	Pass

Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.4 30k_MIMO_20MHz_NTNV_EIRP

5G NR n48 SCS=30kHz MIMO 20MHz NTVN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3560.01	Edge_1RB_Left	17.58	18.04	20.83	31.58	32.04	34.83	/	Pass
		Edge_1RB_Right	17.72	18.10	20.92	31.72	32.10	34.92	/	Pass
		Outer_Full	17.71	18.10	20.92	31.71	32.10	34.92	/	Pass
		Inner_Full	19.26	19.60	22.45	33.26	33.60	36.44	/	Pass
		Inner_1RB_Left	19.26	19.51	22.40	33.26	33.51	36.40	/	Pass
		Inner_1RB_Right	19.20	19.67	22.45	33.20	33.67	36.45	/	Pass
	3624.99	Edge_1RB_Left	17.56	18.04	20.82	31.56	32.04	34.82	/	Pass
		Edge_1RB_Right	17.58	17.94	20.77	31.58	31.94	34.77	/	Pass
		Outer_Full	17.59	18.05	20.84	31.59	32.05	34.84	/	Pass
		Inner_Full	19.17	19.52	22.36	33.17	33.52	36.36	/	Pass

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	3690	Edge_1RB_Left	17.93	17.88	20.91	31.93	31.88	34.92	/	Pass
		Edge_1RB_Right	17.83	17.77	20.81	31.83	31.77	34.81	/	Pass
		Outer_Full	17.86	17.89	20.89	31.86	31.89	34.89	/	Pass
		Inner_Full	19.47	19.48	22.49	33.47	33.48	36.49	/	Pass
		Inner_1RB_Left	19.47	19.42	22.45	33.47	33.42	36.46	/	Pass
		Inner_1RB_Right	19.47	19.40	22.45	33.47	33.40	36.45	/	Pass
CP-OFDM 16 QAM	3560.01	Edge_1RB_Left	17.74	18.00	20.88	31.74	32.00	34.88	/	Pass
		Edge_1RB_Right	17.57	18.35	20.99	31.57	32.35	34.99	/	Pass
		Outer_Full	17.75	18.12	20.95	31.75	32.12	34.95	/	Pass
		Inner_Full	18.80	19.18	22.00	32.80	33.18	36.00	/	Pass
		Inner_1RB_Left	18.86	19.09	21.98	32.86	33.09	35.99	/	Pass
		Inner_1RB_Right	18.83	19.34	22.10	32.83	33.34	36.10	/	Pass
	3624.99	Edge_1RB_Left	17.67	18.09	20.90	31.67	32.09	34.90	/	Pass
		Edge_1RB_Right	17.53	18.04	20.80	31.53	32.04	34.80	/	Pass
		Outer_Full	17.58	18.07	20.84	31.58	32.07	34.84	/	Pass
		Inner_Full	18.64	19.07	21.87	32.64	33.07	35.87	/	Pass
		Inner_1RB_Left	18.63	19.48	22.09	32.63	33.48	36.09	/	Pass
		Inner_1RB_Right	18.66	19.03	21.86	32.66	33.03	35.86	/	Pass
CP-OFDM 64 QAM	3690	Edge_1RB_Left	17.89	17.84	20.87	31.89	31.84	34.88	/	Pass
		Edge_1RB_Right	17.90	17.97	20.95	31.90	31.97	34.95	/	Pass
		Outer_Full	17.91	17.88	20.91	31.91	31.88	34.91	/	Pass
		Inner_Full	18.91	18.90	21.92	32.91	32.90	35.92	/	Pass
		Inner_1RB_Left	18.83	18.83	21.84	32.83	32.83	35.84	/	Pass
		Inner_1RB_Right	18.90	18.94	21.93	32.90	32.94	35.93	/	Pass
	3560.01	Edge_1RB_Left	17.06	17.50	20.30	31.06	31.50	34.30	/	Pass
		Edge_1RB_Right	17.27	17.60	20.45	31.27	31.60	34.45	/	Pass
		Outer_Full	17.26	17.67	20.48	31.26	31.67	34.48	/	Pass
		Inner_Full	17.33	17.63	20.50	31.33	31.63	34.49	/	Pass
		Inner_1RB_Left	17.17	17.52	20.36	31.17	31.52	34.36	/	Pass
		Inner_1RB_Right	17.21	17.82	20.54	31.21	31.82	34.54	/	Pass
	3624.99	Edge_1RB_Left	16.88	17.64	20.29	30.88	31.64	34.29	/	Pass
		Edge_1RB_Right	17.09	17.28	20.19	31.09	31.28	34.20	/	Pass
		Outer_Full	17.12	17.56	20.35	31.12	31.56	34.36	/	Pass
		Inner_Full	17.14	17.56	20.36	31.14	31.56	34.37	/	Pass
		Inner_1RB_Left	17.31	17.75	20.55	31.31	31.75	34.55	/	Pass
		Inner_1RB_Right	17.25	17.22	20.25	31.25	31.22	34.25	/	Pass
	3690	Edge_1RB_Left	17.41	17.35	20.39	31.41	31.35	34.39	/	Pass
		Edge_1RB_Right	17.40	17.43	20.43	31.40	31.43	34.43	/	Pass

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		Outer_Full	17.39	17.36	20.39	31.39	31.36	34.39	/	Pass
		Inner_Full	17.47	17.40	20.45	31.47	31.40	34.45	/	Pass
		Inner_1RB_Left	17.20	17.35	20.28	31.20	31.35	34.29	/	Pass
		Inner_1RB_Right	17.47	17.44	20.47	31.47	31.44	34.47	/	Pass
CP-OFDM 256 QAM	3560.01	Edge_1RB_Left	14.28	14.51	17.41	28.28	28.51	31.41	/	Pass
		Edge_1RB_Right	14.40	14.77	17.60	28.40	28.77	31.60	/	Pass
		Outer_Full	14.26	14.75	17.52	28.26	28.75	31.52	/	Pass
		Inner_Full	14.21	14.69	17.47	28.21	28.69	31.47	/	Pass
		Inner_1RB_Left	14.10	14.55	17.34	28.10	28.55	31.34	/	Pass
		Inner_1RB_Right	14.36	14.73	17.56	28.36	28.73	31.56	/	Pass
	3624.99	Edge_1RB_Left	14.18	14.67	17.44	28.18	28.67	31.44	/	Pass
		Edge_1RB_Right	14.09	14.52	17.32	28.09	28.52	31.32	/	Pass
		Outer_Full	14.22	14.69	17.47	28.22	28.69	31.47	/	Pass
		Inner_Full	14.22	14.66	17.46	28.22	28.66	31.46	/	Pass
		Inner_1RB_Left	14.21	14.82	17.54	28.21	28.82	31.54	/	Pass
		Inner_1RB_Right	14.12	14.68	17.42	28.12	28.68	31.42	/	Pass
	3690	Edge_1RB_Left	14.59	14.43	17.53	28.59	28.43	31.52	/	Pass
		Edge_1RB_Right	14.50	14.45	17.49	28.50	28.45	31.49	/	Pass
		Outer_Full	14.53	14.53	17.54	28.53	28.53	31.54	/	Pass
		Inner_Full	14.55	14.52	17.55	28.55	28.52	31.55	/	Pass
		Inner_1RB_Left	14.32	14.55	17.44	28.32	28.55	31.45	/	Pass
		Inner_1RB_Right	14.38	14.50	17.45	28.38	28.50	31.45	/	Pass
Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi; Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2										

1.1.5 30k_MIMO_20MHz_NTNV_EIRP(dBm/10MHz)

5G NR n48 SCS=30kHz MIMO 20MHz NTVN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3560.01	Edge_1RB_Left	13.73	18.50	19.75	27.73	32.50	33.75	<=47	Pass
		Edge_1RB_Right	17.58	18.49	21.07	31.58	32.49	35.07	<=47	Pass
		Outer_Full	14.94	-33.99	14.94	28.94	-19.99	28.94	<=47	Pass
		Inner_Full	19.26	19.29	22.29	33.26	33.29	36.29	<=47	Pass
		Inner_1RB_Left	19.83	19.22	22.55	33.83	33.22	36.55	<=47	Pass
		Inner_1RB_Right	18.54	19.56	22.09	32.54	33.56	36.09	<=47	Pass



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CP-OFDM 16 QAM	3624.99	Edge_1RB_Left	13.92	18.02	19.45	27.92	32.02	33.45	<=47	Pass
		Edge_1RB_Right	15.87	18.41	20.33	29.87	32.41	34.33	<=47	Pass
		Outer_Full	15.19	11.37	16.70	29.19	25.37	30.70	<=47	Pass
		Inner_Full	19.20	19.98	22.62	33.20	33.98	36.62	<=47	Pass
		Inner_1RB_Left	17.38	19.40	21.52	31.38	33.40	35.52	<=47	Pass
		Inner_1RB_Right	19.48	17.27	21.52	33.48	31.27	35.52	<=47	Pass
	3690	Edge_1RB_Left	18.06	12.18	19.06	32.06	26.18	33.06	<=47	Pass
		Edge_1RB_Right	17.32	17.68	20.51	31.32	31.68	34.51	<=47	Pass
		Outer_Full	15.44	15.85	18.66	29.44	29.85	32.66	<=47	Pass
		Inner_Full	20.07	19.72	22.91	34.07	33.72	36.91	<=47	Pass
		Inner_1RB_Left	19.27	19.04	22.17	33.27	33.04	36.17	<=47	Pass
		Inner_1RB_Right	19.78	18.97	22.40	33.78	32.97	36.40	<=47	Pass
CP-OFDM 64 QAM	3560.01	Edge_1RB_Left	17.40	18.26	20.86	31.40	32.26	34.86	<=47	Pass
		Edge_1RB_Right	17.26	13.96	18.93	31.26	27.96	32.93	<=47	Pass
		Outer_Full	10.40	15.21	16.45	24.40	29.21	30.45	<=47	Pass
		Inner_Full	18.93	18.82	21.89	32.93	32.82	35.89	<=47	Pass
		Inner_1RB_Left	-33.94	19.37	19.37	-19.94	33.37	33.37	<=47	Pass
		Inner_1RB_Right	18.74	18.98	21.87	32.74	32.98	35.87	<=47	Pass
	3624.99	Edge_1RB_Left	17.30	13.83	18.91	31.30	27.83	32.91	<=47	Pass
		Edge_1RB_Right	14.74	18.01	19.69	28.74	32.01	33.69	<=47	Pass
		Outer_Full	15.08	11.87	16.78	29.08	25.87	30.78	<=47	Pass
		Inner_Full	18.87	19.18	22.04	32.87	33.18	36.04	<=47	Pass
		Inner_1RB_Left	12.95	18.58	19.63	26.95	32.58	33.63	<=47	Pass
		Inner_1RB_Right	19.11	15.90	20.81	33.11	29.90	34.81	<=47	Pass
CP-OFDM 64 QAM	3690	Edge_1RB_Left	18.80	18.11	21.48	32.80	32.11	35.48	<=47	Pass
		Edge_1RB_Right	14.80	18.46	20.01	28.80	32.46	34.01	<=47	Pass
		Outer_Full	14.58	15.37	18.00	28.58	29.37	32.00	<=47	Pass
		Inner_Full	18.82	19.10	21.97	32.82	33.10	35.97	<=47	Pass
		Inner_1RB_Left	18.13	19.66	21.97	32.13	33.66	35.97	<=47	Pass
		Inner_1RB_Right	19.61	17.96	21.87	33.61	31.96	35.87	<=47	Pass
	3560.01	Edge_1RB_Left	18.05	13.99	19.49	32.05	27.99	33.49	<=47	Pass
		Edge_1RB_Right	17.43	17.42	20.44	31.43	31.42	34.44	<=47	Pass
		Outer_Full	14.63	14.60	17.63	28.63	28.60	31.63	<=47	Pass
		Inner_Full	17.49	16.97	20.25	31.49	30.97	34.25	<=47	Pass
		Inner_1RB_Left	17.84	17.41	20.64	31.84	31.41	34.64	<=47	Pass
		Inner_1RB_Right	16.85	17.46	20.18	30.85	31.46	34.18	<=47	Pass

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	3690	Outer_Full	14.81	15.34	18.09	28.81	29.34	32.09	<=47	Pass
		Inner_Full	17.12	15.75	19.50	31.12	29.75	33.50	<=47	Pass
		Inner_1RB_Left	12.14	18.11	19.09	26.14	32.11	33.09	<=47	Pass
		Inner_1RB_Right	16.88	15.84	19.40	30.88	29.84	33.40	<=47	Pass
		Edge_1RB_Left	18.06	18.23	21.16	32.06	32.23	35.16	<=47	Pass
		Edge_1RB_Right	12.52	17.82	18.94	26.52	31.82	32.94	<=47	Pass
		Outer_Full	15.01	14.71	17.87	29.01	28.71	31.87	<=47	Pass
		Inner_Full	17.13	15.63	19.45	31.13	29.63	33.45	<=47	Pass
		Inner_1RB_Left	15.07	13.05	17.19	29.07	27.05	31.19	<=47	Pass
		Inner_1RB_Right	18.49	15.62	20.30	32.49	29.62	34.30	<=47	Pass
CP-OFDM 256 QAM	3560.01	Edge_1RB_Left	13.76	14.58	17.20	27.76	28.58	31.20	<=47	Pass
		Edge_1RB_Right	14.34	13.66	17.02	28.34	27.66	31.02	<=47	Pass
		Outer_Full	11.83	11.90	14.88	25.83	25.90	28.88	<=47	Pass
		Inner_Full	14.87	14.25	17.58	28.87	28.25	31.58	<=47	Pass
		Inner_1RB_Left	-33.98	14.55	14.55	-19.98	28.55	28.55	<=47	Pass
		Inner_1RB_Right	13.57	15.18	17.46	27.57	29.18	31.46	<=47	Pass
	3624.99	Edge_1RB_Left	14.43	13.86	17.16	28.43	27.86	31.16	<=47	Pass
		Edge_1RB_Right	9.61	15.18	16.24	23.61	29.18	30.24	<=47	Pass
		Outer_Full	11.61	12.32	14.99	25.61	26.32	28.99	<=47	Pass
		Inner_Full	14.25	12.76	16.58	28.25	26.76	30.58	<=47	Pass
		Inner_1RB_Left	11.74	15.19	16.81	25.74	29.19	30.81	<=47	Pass
		Inner_1RB_Right	9.84	14.76	15.97	23.84	28.76	29.97	<=47	Pass
	3690	Edge_1RB_Left	14.20	14.22	17.22	28.20	28.22	31.22	<=47	Pass
		Edge_1RB_Right	12.84	14.09	16.52	26.84	28.09	30.52	<=47	Pass
		Outer_Full	12.13	11.58	14.87	26.13	25.58	28.87	<=47	Pass
		Inner_Full	14.65	14.76	17.72	28.65	28.76	31.72	<=47	Pass
		Inner_1RB_Left	14.29	14.69	17.50	28.29	28.69	31.50	<=47	Pass
		Inner_1RB_Right	15.79	13.78	17.91	29.79	27.78	31.91	<=47	Pass

Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.6 30k_MIMO_20MHz_NTNV_PSD

5G NR n48 SCS=30kHz MIMO 20MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	



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CP-OFDM QPSK	3560.01	Edge_1RB_Left	17.66	18.51	21.12	31.66	32.51	35.12	<=37	Pass
		Edge_1RB_Right	18.13	18.97	21.08	32.13	32.97	35.08	<=37	Pass
		Outer_Full	6.54	6.25	9.19	20.54	20.25	23.19	<=37	Pass
		Inner_Full	11.25	11.32	14.12	25.25	25.32	28.12	<=37	Pass
		Inner_1RB_Left	20.09	19.35	22.65	34.09	33.35	36.65	<=37	Pass
		Inner_1RB_Right	19.69	19.75	22.63	33.69	33.75	36.63	<=37	Pass
	3624.99	Edge_1RB_Left	17.58	15.32	19.61	31.58	29.32	33.61	<=37	Pass
		Edge_1RB_Right	17.92	13.14	19.08	31.92	27.14	33.08	<=37	Pass
		Outer_Full	4.58	6.83	8.40	18.58	20.83	22.40	<=37	Pass
		Inner_Full	10.79	11.77	14.06	24.79	25.77	28.06	<=37	Pass
		Inner_1RB_Left	19.45	20.69	22.73	33.45	34.69	36.73	<=37	Pass
		Inner_1RB_Right	19.65	19.72	22.59	33.65	33.72	36.59	<=37	Pass
CP-OFDM 16 QAM	3690	Edge_1RB_Left	15.38	18.12	19.88	29.38	32.12	33.88	<=37	Pass
		Edge_1RB_Right	19.06	18.28	21.70	33.06	32.28	35.70	<=37	Pass
		Outer_Full	5.28	6.57	8.44	19.28	20.57	22.44	<=37	Pass
		Inner_Full	9.35	11.02	13.01	23.35	25.02	27.01	<=37	Pass
		Inner_1RB_Left	19.81	19.39	22.33	33.81	33.39	36.33	<=37	Pass
		Inner_1RB_Right	20.10	14.05	20.75	34.10	28.05	34.75	<=37	Pass
	3560.01	Edge_1RB_Left	18.83	18.01	21.03	32.83	32.01	35.03	<=37	Pass
		Edge_1RB_Right	18.59	18.18	21.25	32.59	32.18	35.25	<=37	Pass
		Outer_Full	6.62	6.97	9.44	20.62	20.97	23.44	<=37	Pass
		Inner_Full	10.61	10.77	13.32	24.61	24.77	27.32	<=37	Pass
		Inner_1RB_Left	19.85	19.83	22.62	33.85	33.83	36.62	<=37	Pass
		Inner_1RB_Right	18.80	18.02	21.44	32.80	32.02	35.44	<=37	Pass
	3624.99	Edge_1RB_Left	18.12	16.81	20.39	32.12	30.81	34.39	<=37	Pass
		Edge_1RB_Right	17.81	17.88	20.54	31.81	31.88	34.54	<=37	Pass
		Outer_Full	3.99	6.80	8.31	17.99	20.80	22.31	<=37	Pass
		Inner_Full	7.20	10.98	12.19	21.20	24.98	26.19	<=37	Pass
		Inner_1RB_Left	19.52	14.28	20.36	33.52	28.28	34.36	<=37	Pass
		Inner_1RB_Right	19.25	13.92	19.94	33.25	27.92	33.94	<=37	Pass
	3690	Edge_1RB_Left	17.34	16.81	19.72	31.34	30.81	33.72	<=37	Pass
		Edge_1RB_Right	18.53	19.32	21.84	32.53	33.32	35.84	<=37	Pass
		Outer_Full	6.23	6.34	9.15	20.23	20.34	23.15	<=37	Pass
		Inner_Full	10.81	11.03	13.77	24.81	25.03	27.77	<=37	Pass
		Inner_1RB_Left	20.07	19.65	22.85	34.07	33.65	36.85	<=37	Pass
		Inner_1RB_Right	15.31	19.39	20.57	29.31	33.39	34.57	<=37	Pass
CP-OFDM 64 QAM	3560.01	Edge_1RB_Left	17.69	17.75	20.53	31.69	31.75	34.53	<=37	Pass
		Edge_1RB_Right	16.80	18.19	20.44	30.80	32.19	34.44	<=37	Pass

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	3624.99	Outer_Full	6.13	6.48	8.78	20.13	20.48	22.78	<=37	Pass
		Inner_Full	9.29	8.13	11.33	23.29	22.13	25.33	<=37	Pass
		Inner_1RB_Left	17.76	17.17	20.45	31.76	31.17	34.45	<=37	Pass
		Inner_1RB_Right	17.20	17.94	20.59	31.20	31.94	34.59	<=37	Pass
	3690	Edge_1RB_Left	16.62	16.18	19.34	30.62	30.18	33.34	<=37	Pass
		Edge_1RB_Right	16.87	15.97	19.17	30.87	29.97	33.17	<=37	Pass
		Outer_Full	4.53	6.13	8.10	18.53	20.13	22.10	<=37	Pass
		Inner_Full	8.52	9.41	11.78	22.52	23.41	25.78	<=37	Pass
		Inner_1RB_Left	16.98	17.43	20.22	30.98	31.43	34.22	<=37	Pass
		Inner_1RB_Right	17.48	16.21	19.66	31.48	30.21	33.66	<=37	Pass
CP-OFDM 256 QAM	3560.01	Edge_1RB_Left	18.20	17.11	20.44	32.20	31.11	34.44	<=37	Pass
		Edge_1RB_Right	13.28	17.30	18.55	27.28	31.30	32.55	<=37	Pass
		Outer_Full	5.25	6.00	8.25	19.25	20.00	22.25	<=37	Pass
		Inner_Full	9.18	5.21	10.28	23.18	19.21	24.28	<=37	Pass
		Inner_1RB_Left	16.25	17.36	19.85	30.25	31.36	33.85	<=37	Pass
		Inner_1RB_Right	18.91	17.66	21.27	32.91	31.66	35.27	<=37	Pass
	3624.99	Edge_1RB_Left	14.34	14.50	17.43	28.34	28.50	31.43	<=37	Pass
		Edge_1RB_Right	14.50	14.14	17.32	28.50	28.14	31.32	<=37	Pass
		Outer_Full	2.91	3.33	5.84	16.91	17.33	19.84	<=37	Pass
		Inner_Full	6.50	5.71	8.87	20.50	19.71	22.87	<=37	Pass
		Inner_1RB_Left	14.12	14.97	17.58	28.12	28.97	31.58	<=37	Pass
		Inner_1RB_Right	16.07	15.07	18.38	30.07	29.07	32.38	<=37	Pass
	3690	Edge_1RB_Left	14.27	12.38	16.23	28.27	26.38	30.23	<=37	Pass
		Edge_1RB_Right	14.59	13.52	16.77	28.59	27.52	30.77	<=37	Pass
		Outer_Full	2.44	3.59	5.63	16.44	17.59	19.63	<=37	Pass
		Inner_Full	5.74	6.24	8.85	19.74	20.24	22.85	<=37	Pass
		Inner_1RB_Left	13.89	14.21	17.05	27.89	28.21	31.05	<=37	Pass
		Inner_1RB_Right	8.10	15.21	15.95	22.10	29.21	29.95	<=37	Pass

Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2



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1.1.7 30k_MIMO_30MHz_NTNV_EIRP

5G NR n48 SCS=30kHz MIMO 30MHz NTV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3565.02	Edge_1RB_Left	17.91	18.06	21.00	31.91	32.06	35.00	/	Pass
		Edge_1RB_Right	17.62	18.04	20.85	31.62	32.04	34.85	/	Pass
		Outer_Full	17.77	18.06	20.92	31.77	32.06	34.93	/	Pass
		Inner_Full	19.22	19.75	22.50	33.22	33.75	36.50	/	Pass
		Inner_1RB_Left	19.29	19.62	22.47	33.29	33.62	36.47	/	Pass
		Inner_1RB_Right	19.18	19.47	22.34	33.18	33.47	36.34	/	Pass
	3624.99	Edge_1RB_Left	17.88	18.22	21.06	31.88	32.22	35.06	/	Pass
		Edge_1RB_Right	17.69	18.08	20.90	31.69	32.08	34.90	/	Pass
		Outer_Full	17.69	18.25	20.99	31.69	32.25	34.99	/	Pass
		Inner_Full	19.19	19.70	22.46	33.19	33.70	36.46	/	Pass
		Inner_1RB_Left	19.10	19.75	22.45	33.10	33.75	36.45	/	Pass
		Inner_1RB_Right	19.16	19.55	22.37	33.16	33.55	36.37	/	Pass
CP-OFDM 16 QAM	3565.02	Edge_1RB_Left	17.94	18.01	20.99	31.94	32.01	34.99	/	Pass
		Edge_1RB_Right	17.87	17.72	20.80	31.87	31.72	34.81	/	Pass
		Outer_Full	17.93	17.89	20.92	31.93	31.89	34.92	/	Pass
		Inner_Full	19.50	19.49	22.50	33.50	33.49	36.51	/	Pass
		Inner_1RB_Left	19.48	19.50	22.50	33.48	33.50	36.50	/	Pass
		Inner_1RB_Right	19.40	19.42	22.42	33.40	33.42	36.42	/	Pass
	3624.99	Edge_1RB_Left	17.88	17.98	20.94	31.88	31.98	34.94	/	Pass
		Edge_1RB_Right	17.64	17.96	20.82	31.64	31.96	34.81	/	Pass
		Outer_Full	17.70	18.20	20.97	31.70	32.20	34.97	/	Pass
		Inner_Full	18.69	19.18	21.95	32.69	33.18	35.95	/	Pass
		Inner_1RB_Left	19.16	19.08	22.13	33.16	33.08	36.13	/	Pass
		Inner_1RB_Right	18.86	19.01	21.95	32.86	33.01	35.95	/	Pass
CP-OFDM 16 QAM	3624.99	Edge_1RB_Left	17.57	18.41	21.02	31.57	32.41	35.02	/	Pass
		Edge_1RB_Right	17.74	18.09	20.93	31.74	32.09	34.93	/	Pass
		Outer_Full	17.73	18.16	20.96	31.73	32.16	34.96	/	Pass
		Inner_Full	18.73	19.16	21.96	32.73	33.16	35.96	/	Pass
		Inner_1RB_Left	18.70	19.38	22.06	32.70	33.38	36.06	/	Pass
		Inner_1RB_Right	18.63	19.19	21.93	32.63	33.19	35.93	/	Pass
	3684.99	Edge_1RB_Left	18.14	17.83	21.00	32.14	31.83	35.00	/	Pass
		Edge_1RB_Right	17.97	17.89	20.94	31.97	31.89	34.94	/	Pass
		Outer_Full	18.00	17.95	20.99	32.00	31.95	34.99	/	Pass



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		Inner_Full	18.93	18.96	21.95	32.93	32.96	35.96	/	Pass
		Inner_1RB_Left	18.91	18.89	21.91	32.91	32.89	35.91	/	Pass
		Inner_1RB_Right	19.26	19.09	22.19	33.26	33.09	36.19	/	Pass
CP-OFDM 64 QAM	3565.02	Edge_1RB_Left	17.45	17.71	20.60	31.45	31.71	34.59	/	Pass
		Edge_1RB_Right	17.32	17.57	20.46	31.32	31.57	34.46	/	Pass
		Outer_Full	17.21	17.66	20.45	31.21	31.66	34.45	/	Pass
		Inner_Full	17.20	17.69	20.46	31.20	31.69	34.46	/	Pass
		Inner_1RB_Left	17.42	17.67	20.56	31.42	31.67	34.56	/	Pass
		Inner_1RB_Right	17.37	17.46	20.43	31.37	31.46	34.43	/	Pass
	3624.99	Edge_1RB_Left	17.31	17.78	20.56	31.31	31.78	34.56	/	Pass
		Edge_1RB_Right	17.33	17.50	20.43	31.33	31.50	34.43	/	Pass
		Outer_Full	17.25	17.73	20.51	31.25	31.73	34.51	/	Pass
		Inner_Full	17.24	17.67	20.47	31.24	31.67	34.47	/	Pass
		Inner_1RB_Left	17.21	17.72	20.48	31.21	31.72	34.48	/	Pass
		Inner_1RB_Right	17.23	17.37	20.31	31.23	31.37	34.31	/	Pass
CP-OFDM 256 QAM	3684.99	Edge_1RB_Left	17.62	17.43	20.54	31.62	31.43	34.54	/	Pass
		Edge_1RB_Right	17.49	17.51	20.51	31.49	31.51	34.51	/	Pass
		Outer_Full	17.54	17.46	20.51	31.54	31.46	34.51	/	Pass
		Inner_Full	17.47	17.58	20.53	31.47	31.58	34.54	/	Pass
		Inner_1RB_Left	17.43	17.54	20.49	31.43	31.54	34.50	/	Pass
		Inner_1RB_Right	17.63	17.46	20.55	31.63	31.46	34.56	/	Pass
	3565.02	Edge_1RB_Left	14.39	14.50	17.45	28.39	28.50	31.46	/	Pass
		Edge_1RB_Right	14.21	14.56	17.40	28.21	28.56	31.40	/	Pass
		Outer_Full	14.25	14.61	17.44	28.25	28.61	31.44	/	Pass
		Inner_Full	14.28	14.65	17.48	28.28	28.65	31.48	/	Pass
		Inner_1RB_Left	14.28	14.56	17.43	28.28	28.56	31.43	/	Pass
		Inner_1RB_Right	14.21	14.60	17.42	28.21	28.60	31.42	/	Pass
	3624.99	Edge_1RB_Left	14.27	14.75	17.53	28.27	28.75	31.53	/	Pass
		Edge_1RB_Right	14.10	14.57	17.35	28.10	28.57	31.35	/	Pass
		Outer_Full	14.32	14.82	17.59	28.32	28.82	31.59	/	Pass
		Inner_Full	14.28	14.79	17.55	28.28	28.79	31.55	/	Pass
		Inner_1RB_Left	14.31	14.71	17.53	28.31	28.71	31.52	/	Pass
		Inner_1RB_Right	14.17	14.56	17.38	28.17	28.56	31.38	/	Pass
	3684.99	Edge_1RB_Left	14.49	14.45	17.48	28.49	28.45	31.48	/	Pass
		Edge_1RB_Right	14.58	14.59	17.60	28.58	28.59	31.60	/	Pass
		Outer_Full	14.50	14.61	17.56	28.50	28.61	31.57	/	Pass
		Inner_Full	14.49	14.62	17.57	28.49	28.62	31.57	/	Pass
		Inner_1RB_Left	14.51	14.57	17.55	28.51	28.57	31.55	/	Pass



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		Inner_1RB_Right	14.38	14.75	17.58	28.38	28.75	31.58	/	Pass
Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;										
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2										

1.1.8 30k_MIMO_30MHz_NTNV_EIRP(dBm/10MHz)

5G NR n48 SCS=30kHz MIMO 30MHz NTV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3565.02	Edge_1RB_Left	17.56	18.44	21.03	31.56	32.44	35.03	<=47	Pass
		Edge_1RB_Right	17.13	17.87	20.53	31.13	31.87	34.53	<=47	Pass
		Outer_Full	9.78	13.47	15.02	23.78	27.47	29.02	<=47	Pass
		Inner_Full	13.62	18.06	19.39	27.62	32.06	33.39	<=47	Pass
		Inner_1RB_Left	19.77	19.37	22.58	33.77	33.37	36.58	<=47	Pass
		Inner_1RB_Right	18.60	19.17	21.90	32.60	33.17	35.90	<=47	Pass
	3624.99	Edge_1RB_Left	15.66	17.69	19.80	29.66	31.69	33.80	<=47	Pass
		Edge_1RB_Right	14.25	17.48	19.17	28.25	31.48	33.17	<=47	Pass
		Outer_Full	13.30	13.75	16.54	27.30	27.75	30.54	<=47	Pass
		Inner_Full	17.71	17.40	20.57	31.71	31.40	34.57	<=47	Pass
		Inner_1RB_Left	17.42	19.55	21.62	31.42	33.55	35.62	<=47	Pass
		Inner_1RB_Right	18.80	18.02	21.44	32.80	32.02	35.44	<=47	Pass
CP-OFDM 16 QAM	3684.99	Edge_1RB_Left	18.47	18.25	21.37	32.47	32.25	35.37	<=47	Pass
		Edge_1RB_Right	12.37	17.27	18.49	26.37	31.27	32.49	<=47	Pass
		Outer_Full	13.71	13.50	16.62	27.71	27.50	30.62	<=47	Pass
		Inner_Full	14.32	18.30	19.76	28.32	32.30	33.76	<=47	Pass
		Inner_1RB_Left	14.32	19.66	20.77	28.32	33.66	34.77	<=47	Pass
		Inner_1RB_Right	19.56	19.50	22.54	33.56	33.50	36.54	<=47	Pass
	3565.02	Edge_1RB_Left	17.41	18.15	20.81	31.41	32.15	34.81	<=47	Pass
		Edge_1RB_Right	17.47	19.12	21.38	31.47	33.12	35.38	<=47	Pass
		Outer_Full	6.71	12.93	13.86	20.71	26.93	27.86	<=47	Pass
		Inner_Full	15.49	18.03	19.95	29.49	32.03	33.95	<=47	Pass
		Inner_1RB_Left	18.78	18.66	21.73	32.78	32.66	35.73	<=47	Pass
		Inner_1RB_Right	18.78	17.93	21.39	32.78	31.93	35.39	<=47	Pass
	3624.99	Edge_1RB_Left	17.20	16.20	19.74	31.20	30.20	33.74	<=47	Pass
		Edge_1RB_Right	15.74	18.34	20.24	29.74	32.34	34.24	<=47	Pass
		Outer_Full	13.22	13.98	16.63	27.22	27.98	30.63	<=47	Pass



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	3684.99	Inner_Full	15.60	16.17	18.90	29.60	30.17	32.90	<=47	Pass
		Inner_1RB_Left	17.21	19.50	21.51	31.21	33.50	35.51	<=47	Pass
		Inner_1RB_Right	12.48	16.41	17.89	26.48	30.41	31.89	<=47	Pass
	3684.99	Edge_1RB_Left	16.80	18.28	20.61	30.80	32.28	34.61	<=47	Pass
		Edge_1RB_Right	16.63	17.97	20.36	30.63	31.97	34.36	<=47	Pass
		Outer_Full	13.66	12.78	16.25	27.66	26.78	30.25	<=47	Pass
	3565.02	Inner_Full	17.25	17.46	20.37	31.25	31.46	34.37	<=47	Pass
		Inner_1RB_Left	19.74	19.40	22.58	33.74	33.40	36.58	<=47	Pass
		Inner_1RB_Right	19.48	19.38	22.44	33.48	33.38	36.44	<=47	Pass
	3565.02	Edge_1RB_Left	17.93	18.51	21.24	31.93	32.51	35.24	<=47	Pass
		Edge_1RB_Right	15.47	15.06	18.28	29.47	29.06	32.28	<=47	Pass
		Outer_Full	6.02	12.74	13.58	20.02	26.74	27.58	<=47	Pass
	3624.99	Inner_Full	11.53	15.99	17.32	25.53	29.99	31.32	<=47	Pass
		Inner_1RB_Left	16.61	16.54	19.59	30.61	30.54	33.59	<=47	Pass
		Inner_1RB_Right	17.86	18.07	20.98	31.86	32.07	34.98	<=47	Pass
	3624.99	Edge_1RB_Left	17.64	17.65	20.66	31.64	31.65	34.66	<=47	Pass
		Edge_1RB_Right	15.37	16.69	19.09	29.37	30.69	33.09	<=47	Pass
		Outer_Full	12.78	13.52	16.18	26.78	27.52	30.18	<=47	Pass
	3684.99	Inner_Full	15.82	16.66	19.27	29.82	30.66	33.27	<=47	Pass
		Inner_1RB_Left	14.76	17.67	19.46	28.76	31.67	33.46	<=47	Pass
		Inner_1RB_Right	14.14	15.27	17.75	28.14	29.27	31.75	<=47	Pass
	3684.99	Edge_1RB_Left	10.13	17.94	18.61	24.13	31.94	32.61	<=47	Pass
		Edge_1RB_Right	16.28	17.86	20.15	30.28	31.86	34.15	<=47	Pass
		Outer_Full	7.63	13.26	14.31	21.63	27.26	28.31	<=47	Pass
	3565.02	Inner_Full	15.36	16.43	18.94	29.36	30.43	32.94	<=47	Pass
		Inner_1RB_Left	17.99	14.07	19.47	31.99	28.07	33.47	<=47	Pass
		Inner_1RB_Right	17.61	17.79	20.71	31.61	31.79	34.71	<=47	Pass
	3565.02	Edge_1RB_Left	13.64	14.58	17.15	27.64	28.58	31.15	<=47	Pass
		Edge_1RB_Right	12.76	14.52	16.74	26.76	28.52	30.74	<=47	Pass
		Outer_Full	9.37	10.05	12.73	23.37	24.05	26.73	<=47	Pass
	3624.99	Inner_Full	12.90	13.18	16.05	26.90	27.18	30.05	<=47	Pass
		Inner_1RB_Left	13.79	15.25	17.59	27.79	29.25	31.59	<=47	Pass
		Inner_1RB_Right	13.51	15.04	17.35	27.51	29.04	31.35	<=47	Pass
	3624.99	Edge_1RB_Left	12.24	14.61	16.60	26.24	28.61	30.60	<=47	Pass
		Edge_1RB_Right	11.12	14.69	16.27	25.12	28.69	30.27	<=47	Pass
		Outer_Full	9.53	10.10	12.83	23.53	24.10	26.83	<=47	Pass
		Inner_Full	12.06	13.05	15.59	26.06	27.05	29.59	<=47	Pass
		Inner_1RB_Left	12.21	12.55	15.39	26.21	26.55	29.39	<=47	Pass

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3684.99	Inner_1RB_Right	14.34	14.84	17.61	28.34	28.84	31.61	<=47	Pass
	Edge_1RB_Left	6.05	14.96	15.49	20.05	28.96	29.49	<=47	Pass
	Edge_1RB_Right	15.25	12.52	17.11	29.25	26.52	31.11	<=47	Pass
	Outer_Full	5.02	9.84	11.08	19.02	23.84	25.08	<=47	Pass
	Inner_Full	11.99	12.20	15.11	25.99	26.20	29.11	<=47	Pass
	Inner_1RB_Left	14.66	14.75	17.72	28.66	28.75	31.72	<=47	Pass
	Inner_1RB_Right	14.81	14.59	17.71	28.81	28.59	31.71	<=47	Pass
Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi; Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2									

1.1.9 30k_MIMO_30MHz_NTNV_PSD

5G NR n48 SCS=30kHz MIMO 30MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)			Verdict	
			Ant1	Ant2	Sum	Ant1	Ant2	Sum		
CP-OFDM QPSK	3565.02	Edge_1RB_Left	18.65	17.91	21.24	32.65	31.91	35.24	<=37	Pass
		Edge_1RB_Right	17.31	16.69	20.02	31.31	30.69	34.02	<=37	Pass
		Outer_Full	3.56	4.84	6.85	17.56	18.84	20.85	<=37	Pass
		Inner_Full	9.27	7.94	11.33	23.27	21.94	25.33	<=37	Pass
		Inner_1RB_Left	19.46	20.56	23.00	33.46	34.56	37.00	<=37	Pass
		Inner_1RB_Right	14.19	17.88	19.40	28.19	31.88	33.40	<=37	Pass
CP-OFDM 16 QAM	3624.99	Edge_1RB_Left	12.95	17.71	18.73	26.95	31.71	32.73	<=37	Pass
		Edge_1RB_Right	18.02	15.29	19.68	32.02	29.29	33.68	<=37	Pass
		Outer_Full	4.28	5.45	7.49	18.28	19.45	21.49	<=37	Pass
		Inner_Full	8.57	8.27	11.05	22.57	22.27	25.05	<=37	Pass
		Inner_1RB_Left	20.34	18.56	22.51	34.34	32.56	36.51	<=37	Pass
		Inner_1RB_Right	13.47	19.80	20.47	27.47	33.80	34.47	<=37	Pass
CP-OFDM 16 QAM	3684.99	Edge_1RB_Left	18.90	17.34	21.19	32.90	31.34	35.19	<=37	Pass
		Edge_1RB_Right	17.05	7.82	17.45	31.05	21.82	31.45	<=37	Pass
		Outer_Full	4.78	4.95	7.63	18.78	18.95	21.63	<=37	Pass
		Inner_Full	9.04	9.07	11.92	23.04	23.07	25.92	<=37	Pass
		Inner_1RB_Left	19.24	19.48	22.28	33.24	33.48	36.28	<=37	Pass
		Inner_1RB_Right	19.52	18.93	22.15	33.52	32.93	36.15	<=37	Pass
CP-OFDM 16 QAM	3565.02	Edge_1RB_Left	17.64	18.25	20.97	31.64	32.25	34.97	<=37	Pass
		Edge_1RB_Right	15.22	18.75	20.26	29.22	32.75	34.26	<=37	Pass
		Outer_Full	4.11	3.56	6.40	18.11	17.56	20.40	<=37	Pass



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			Inner_Full	8.43	8.76	11.23	22.43	22.76	25.23	<=37	Pass
			Inner_1RB_Left	19.84	19.37	22.59	33.84	33.37	36.59	<=37	Pass
			Inner_1RB_Right	18.70	20.11	22.47	32.70	34.11	36.47	<=37	Pass
CP-OFDM 64 QAM		3624.99	Edge_1RB_Left	15.80	10.35	16.47	29.80	24.35	30.47	<=37	Pass
			Edge_1RB_Right	18.01	16.39	20.12	32.01	30.39	34.12	<=37	Pass
			Outer_Full	4.70	5.25	7.79	18.70	19.25	21.79	<=37	Pass
			Inner_Full	6.47	8.96	10.77	20.47	22.96	24.77	<=37	Pass
			Inner_1RB_Left	18.42	17.37	20.73	32.42	31.37	34.73	<=37	Pass
			Inner_1RB_Right	13.01	17.60	18.85	27.01	31.60	32.85	<=37	Pass
CP-OFDM 256 QAM		3684.99	Edge_1RB_Left	19.08	16.88	20.88	33.08	30.88	34.88	<=37	Pass
			Edge_1RB_Right	18.26	15.04	19.59	32.26	29.04	33.59	<=37	Pass
			Outer_Full	5.19	4.98	7.76	19.19	18.98	21.76	<=37	Pass
			Inner_Full	7.15	8.27	10.33	21.15	22.27	24.33	<=37	Pass
			Inner_1RB_Left	15.77	18.89	20.62	29.77	32.89	34.62	<=37	Pass
			Inner_1RB_Right	19.11	16.34	20.90	33.11	30.34	34.90	<=37	Pass
		3565.02	Edge_1RB_Left	18.36	18.13	20.77	32.36	32.13	34.77	<=37	Pass
			Edge_1RB_Right	11.77	18.44	19.15	25.77	32.44	33.15	<=37	Pass
			Outer_Full	3.38	4.01	5.99	17.38	18.01	19.99	<=37	Pass
			Inner_Full	7.19	8.05	10.47	21.19	22.05	24.47	<=37	Pass
			Inner_1RB_Left	17.51	17.57	20.39	31.51	31.57	34.39	<=37	Pass
			Inner_1RB_Right	18.08	15.60	19.73	32.08	29.60	33.73	<=37	Pass
		3624.99	Edge_1RB_Left	15.66	15.61	18.60	29.66	29.61	32.60	<=37	Pass
			Edge_1RB_Right	17.45	17.35	20.41	31.45	31.35	34.41	<=37	Pass
			Outer_Full	4.10	3.26	6.49	18.10	17.26	20.49	<=37	Pass
			Inner_Full	5.49	7.69	9.36	19.49	21.69	23.36	<=37	Pass
			Inner_1RB_Left	17.38	17.92	20.67	31.38	31.92	34.67	<=37	Pass
			Inner_1RB_Right	15.57	18.14	20.03	29.57	32.14	34.03	<=37	Pass
		3684.99	Edge_1RB_Left	17.31	10.79	18.09	31.31	24.79	32.09	<=37	Pass
			Edge_1RB_Right	18.51	16.73	20.72	32.51	30.73	34.72	<=37	Pass
			Outer_Full	4.65	4.44	7.00	18.65	18.44	21.00	<=37	Pass
			Inner_Full	6.00	7.60	9.35	20.00	21.60	23.35	<=37	Pass
			Inner_1RB_Left	15.93	18.28	20.04	29.93	32.28	34.04	<=37	Pass
			Inner_1RB_Right	18.62	18.04	21.28	32.62	32.04	35.28	<=37	Pass
		3565.02	Edge_1RB_Left	14.09	14.76	17.14	28.09	28.76	31.14	<=37	Pass
			Edge_1RB_Right	11.17	12.30	14.78	25.17	26.30	28.78	<=37	Pass
			Outer_Full	0.81	1.13	3.77	14.81	15.13	17.77	<=37	Pass
			Inner_Full	3.88	0.31	5.13	17.88	14.31	19.13	<=37	Pass
			Inner_1RB_Left	14.98	15.13	17.85	28.98	29.13	31.85	<=37	Pass



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3624.99	Inner_1RB_Right	12.44	14.25	16.28	26.44	28.25	30.28	<=37	Pass
	Edge_1RB_Left	14.88	12.71	16.67	28.88	26.71	30.67	<=37	Pass
	Edge_1RB_Right	14.40	14.22	17.18	28.40	28.22	31.18	<=37	Pass
	Outer_Full	1.87	1.41	4.49	15.87	15.41	18.49	<=37	Pass
	Inner_Full	1.72	4.77	6.31	15.72	18.77	20.31	<=37	Pass
	Inner_1RB_Left	14.80	8.16	15.34	28.80	22.16	29.34	<=37	Pass
	Inner_1RB_Right	14.18	14.65	17.24	28.18	28.65	31.24	<=37	Pass
3684.99	Edge_1RB_Left	14.03	15.85	17.90	28.03	29.85	31.90	<=37	Pass
	Edge_1RB_Right	14.76	15.23	17.85	28.76	29.23	31.85	<=37	Pass
	Outer_Full	1.53	0.39	3.64	15.53	14.39	17.64	<=37	Pass
	Inner_Full	4.17	-2.44	4.70	18.17	11.56	18.70	<=37	Pass
	Inner_1RB_Left	14.38	14.92	17.57	28.38	28.92	31.57	<=37	Pass
	Inner_1RB_Right	13.10	15.02	17.11	27.10	29.02	31.11	<=37	Pass

Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.10 30k_MIMO_40MHz_NTNV_EIRP

5G NR n48 SCS=30kHz MIMO 40MHz NTVN									
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	
CP-OFDM QPSK	3570	Edge_1RB_Left	17.76	18.14	20.96	31.76	32.14	34.96	/ Pass
		Edge_1RB_Right	17.96	17.95	20.97	31.96	31.95	34.97	/ Pass
		Outer_Full	17.79	18.13	20.97	31.79	32.13	34.97	/ Pass
		Inner_Full	19.24	19.79	22.53	33.24	33.79	36.53	/ Pass
		Inner_1RB_Left	19.29	19.71	22.52	33.29	33.71	36.52	/ Pass
		Inner_1RB_Right	19.41	19.51	22.47	33.41	33.51	36.47	/ Pass
	3624.99	Edge_1RB_Left	17.66	18.16	20.93	31.66	32.16	34.93	/ Pass
		Edge_1RB_Right	17.69	18.14	20.93	31.69	32.14	34.93	/ Pass
		Outer_Full	17.66	18.21	20.96	31.66	32.21	34.95	/ Pass
		Inner_Full	19.07	19.72	22.42	33.07	33.72	36.42	/ Pass
		Inner_1RB_Left	19.20	19.56	22.39	33.20	33.56	36.39	/ Pass
		Inner_1RB_Right	19.31	19.77	22.56	33.31	33.77	36.56	/ Pass
	3679.98	Edge_1RB_Left	18.09	18.18	21.14	32.09	32.18	35.15	/ Pass
		Edge_1RB_Right	18.02	17.97	21.01	32.02	31.97	35.01	/ Pass
		Outer_Full	17.95	17.95	20.96	31.95	31.95	34.96	/ Pass
		Inner_Full	19.48	19.38	22.44	33.48	33.38	36.44	/ Pass

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		Inner_1RB_Left	19.62	19.62	22.63	33.62	33.62	36.63	/	Pass
		Inner_1RB_Right	19.67	19.59	22.64	33.67	33.59	36.64	/	Pass
CP-OFDM 16 QAM	3570	Edge_1RB_Left	17.75	18.19	20.98	31.75	32.19	34.99	/	Pass
		Edge_1RB_Right	17.83	18.00	20.92	31.83	32.00	34.93	/	Pass
		Outer_Full	17.77	18.21	21.00	31.77	32.21	35.01	/	Pass
		Inner_Full	18.70	19.28	22.01	32.70	33.28	36.01	/	Pass
		Inner_1RB_Left	18.91	19.18	22.06	32.91	33.18	36.06	/	Pass
		Inner_1RB_Right	19.07	18.89	21.99	33.07	32.89	35.99	/	Pass
CP-OFDM 64 QAM	3624.99	Edge_1RB_Left	17.62	17.96	20.80	31.62	31.96	34.80	/	Pass
		Edge_1RB_Right	17.68	18.12	20.92	31.68	32.12	34.92	/	Pass
		Outer_Full	17.57	18.12	20.87	31.57	32.12	34.86	/	Pass
		Inner_Full	18.61	19.13	21.89	32.61	33.13	35.89	/	Pass
		Inner_1RB_Left	18.63	19.19	21.93	32.63	33.19	35.93	/	Pass
		Inner_1RB_Right	18.85	19.24	22.06	32.85	33.24	36.06	/	Pass
	3679.98	Edge_1RB_Left	18.05	18.35	21.21	32.05	32.35	35.21	/	Pass
		Edge_1RB_Right	18.01	17.98	21.00	32.01	31.98	35.01	/	Pass
		Outer_Full	17.90	17.90	20.91	31.90	31.90	34.91	/	Pass
		Inner_Full	18.90	18.84	21.88	32.90	32.84	35.88	/	Pass
		Inner_1RB_Left	18.90	19.04	21.98	32.90	33.04	35.98	/	Pass
		Inner_1RB_Right	18.53	18.63	21.59	32.53	32.63	35.59	/	Pass
CP-OFDM 16 QAM	3570	Edge_1RB_Left	17.36	17.63	20.50	31.36	31.63	34.51	/	Pass
		Edge_1RB_Right	17.44	17.51	20.49	31.44	31.51	34.49	/	Pass
		Outer_Full	17.21	17.71	20.48	31.21	31.71	34.48	/	Pass
		Inner_Full	17.26	17.72	20.51	31.26	31.72	34.51	/	Pass
		Inner_1RB_Left	17.27	17.49	20.39	31.27	31.49	34.39	/	Pass
		Inner_1RB_Right	17.38	17.42	20.41	31.38	31.42	34.41	/	Pass
	3624.99	Edge_1RB_Left	17.30	17.73	20.53	31.30	31.73	34.53	/	Pass
		Edge_1RB_Right	17.21	17.80	20.53	31.21	31.80	34.53	/	Pass
		Outer_Full	17.24	17.69	20.48	31.24	31.69	34.48	/	Pass
		Inner_Full	17.19	17.64	20.43	31.19	31.64	34.43	/	Pass
		Inner_1RB_Left	17.19	17.53	20.37	31.19	31.53	34.37	/	Pass
		Inner_1RB_Right	17.26	17.44	20.36	31.26	31.44	34.36	/	Pass
	3679.98	Edge_1RB_Left	17.57	17.54	20.56	31.57	31.54	34.57	/	Pass
		Edge_1RB_Right	17.64	17.47	20.56	31.64	31.47	34.57	/	Pass
		Outer_Full	17.49	17.47	20.49	31.49	31.47	34.49	/	Pass
		Inner_Full	17.40	17.43	20.43	31.40	31.43	34.43	/	Pass
		Inner_1RB_Left	17.52	17.53	20.54	31.52	31.53	34.54	/	Pass
		Inner_1RB_Right	17.64	17.33	20.50	31.64	31.33	34.50	/	Pass

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CP-OFDM 256 QAM	3570	Edge_1RB_Left	14.34	14.67	17.52	28.34	28.67	31.52	/	Pass
		Edge_1RB_Right	14.52	14.56	17.55	28.52	28.56	31.55	/	Pass
		Outer_Full	14.30	14.83	17.58	28.30	28.83	31.58	/	Pass
		Inner_Full	14.34	14.73	17.55	28.34	28.73	31.55	/	Pass
		Inner_1RB_Left	14.23	14.67	17.46	28.23	28.67	31.47	/	Pass
		Inner_1RB_Right	14.42	14.63	17.53	28.42	28.63	31.54	/	Pass
	3624.99	Edge_1RB_Left	14.20	14.61	17.42	28.20	28.61	31.42	/	Pass
		Edge_1RB_Right	14.25	14.80	17.55	28.25	28.80	31.54	/	Pass
		Outer_Full	14.24	14.77	17.52	28.24	28.77	31.52	/	Pass
		Inner_Full	14.24	14.71	17.49	28.24	28.71	31.49	/	Pass
		Inner_1RB_Left	14.34	14.49	17.43	28.34	28.49	31.43	/	Pass
		Inner_1RB_Right	14.32	14.85	17.61	28.32	28.85	31.60	/	Pass
	3679.98	Edge_1RB_Left	14.51	14.64	17.58	28.51	28.64	31.59	/	Pass
		Edge_1RB_Right	14.42	14.49	17.47	28.42	28.49	31.47	/	Pass
		Outer_Full	14.49	14.46	17.48	28.49	28.46	31.49	/	Pass
		Inner_Full	14.53	14.46	17.50	28.53	28.46	31.51	/	Pass
		Inner_1RB_Left	14.57	14.76	17.68	28.57	28.76	31.68	/	Pass
		Inner_1RB_Right	14.44	14.58	17.52	28.44	28.58	31.52	/	Pass
Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi; Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2										

1.1.11 30k_MIMO_40MHz_NTNV_EIRP(dBm/10MHz)

5G NR n48 SCS=30kHz MIMO 40MHz NTV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3570	Edge_1RB_Left	18.31	18.19	21.26	32.31	32.19	35.26	<=47	Pass
		Edge_1RB_Right	15.71	18.70	20.47	29.71	32.70	34.47	<=47	Pass
		Outer_Full	11.32	12.54	14.98	25.32	26.54	28.98	<=47	Pass
		Inner_Full	11.66	15.52	17.02	25.66	29.52	31.02	<=47	Pass
		Inner_1RB_Left	19.64	16.60	21.39	33.64	30.60	35.39	<=47	Pass
		Inner_1RB_Right	20.14	13.36	20.97	34.14	27.36	34.97	<=47	Pass
	3624.99	Edge_1RB_Left	13.31	17.58	18.96	27.31	31.58	32.96	<=47	Pass
		Edge_1RB_Right	9.63	17.75	18.37	23.63	31.75	32.37	<=47	Pass
		Outer_Full	11.10	7.60	12.70	25.10	21.60	26.70	<=47	Pass
		Inner_Full	15.53	16.74	19.19	29.53	30.74	33.19	<=47	Pass

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3679.98		Inner_1RB_Left	15.98	12.48	17.58	29.98	26.48	31.58	<=47	Pass
		Inner_1RB_Right	18.34	19.45	21.94	32.34	33.45	35.94	<=47	Pass
	3679.98	Edge_1RB_Left	17.82	13.23	19.12	31.82	27.23	33.12	<=47	Pass
		Edge_1RB_Right	10.79	18.22	18.94	24.79	32.22	32.94	<=47	Pass
		Outer_Full	12.65	10.62	14.76	26.65	24.62	28.76	<=47	Pass
		Inner_Full	16.73	13.18	18.32	30.73	27.18	32.32	<=47	Pass
		Inner_1RB_Left	17.05	19.56	21.49	31.05	33.56	35.49	<=47	Pass
		Inner_1RB_Right	20.34	-33.60	20.34	34.34	-19.60	34.34	<=47	Pass
CP-OFDM 16 QAM	3570	Edge_1RB_Left	18.53	17.72	21.15	32.53	31.72	35.15	<=47	Pass
		Edge_1RB_Right	15.38	16.73	19.12	29.38	30.73	33.12	<=47	Pass
		Outer_Full	9.26	12.25	14.02	23.26	26.25	28.02	<=47	Pass
		Inner_Full	16.01	10.48	17.08	30.01	24.48	31.08	<=47	Pass
		Inner_1RB_Left	8.16	19.64	19.94	22.16	33.64	33.94	<=47	Pass
		Inner_1RB_Right	18.07	16.04	20.18	32.07	30.04	34.18	<=47	Pass
	3624.99	Edge_1RB_Left	17.75	18.44	21.12	31.75	32.44	35.12	<=47	Pass
		Edge_1RB_Right	16.29	17.97	20.22	30.29	31.97	34.22	<=47	Pass
		Outer_Full	11.53	10.47	14.04	25.53	24.47	28.04	<=47	Pass
		Inner_Full	15.52	16.58	19.09	29.52	30.58	33.09	<=47	Pass
		Inner_1RB_Left	18.09	16.76	20.49	32.09	30.76	34.49	<=47	Pass
		Inner_1RB_Right	18.61	17.56	21.13	32.61	31.56	35.13	<=47	Pass
CP-OFDM 64 QAM	3679.98	Edge_1RB_Left	14.44	18.69	20.08	28.44	32.69	34.08	<=47	Pass
		Edge_1RB_Right	15.36	19.01	20.57	29.36	33.01	34.57	<=47	Pass
		Outer_Full	12.51	12.74	15.64	26.51	26.74	29.64	<=47	Pass
		Inner_Full	9.82	16.86	17.64	23.82	30.86	31.64	<=47	Pass
		Inner_1RB_Left	17.90	19.19	21.60	31.90	33.19	35.60	<=47	Pass
		Inner_1RB_Right	20.27	18.30	22.41	34.27	32.30	36.41	<=47	Pass
	3570	Edge_1RB_Left	17.62	17.52	20.58	31.62	31.52	34.58	<=47	Pass
		Edge_1RB_Right	17.55	11.34	18.48	31.55	25.34	32.48	<=47	Pass
		Outer_Full	11.56	11.52	14.55	25.56	25.52	28.55	<=47	Pass
		Inner_Full	14.36	7.91	15.25	28.36	21.91	29.25	<=47	Pass
		Inner_1RB_Left	11.57	17.06	18.14	25.57	31.06	32.14	<=47	Pass
		Inner_1RB_Right	15.83	13.99	18.02	29.83	27.99	32.02	<=47	Pass
3624.99	3570	Edge_1RB_Left	16.50	16.93	19.73	30.50	30.93	33.73	<=47	Pass
		Edge_1RB_Right	15.42	17.36	19.51	29.42	31.36	33.51	<=47	Pass
		Outer_Full	11.38	11.91	14.66	25.38	25.91	28.66	<=47	Pass
		Inner_Full	14.03	14.95	17.52	28.03	28.95	31.52	<=47	Pass
		Inner_1RB_Left	15.42	16.84	19.20	29.42	30.84	33.20	<=47	Pass
		Inner_1RB_Right	17.09	15.78	19.49	31.09	29.78	33.49	<=47	Pass



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	3679.98	Edge_1RB_Left	18.35	12.86	19.43	32.35	26.86	33.43	<=47	Pass
		Edge_1RB_Right	15.43	15.21	18.33	29.43	29.21	32.33	<=47	Pass
		Outer_Full	10.05	11.07	13.60	24.05	25.07	27.60	<=47	Pass
		Inner_Full	14.89	10.23	16.17	28.89	24.23	30.17	<=47	Pass
		Inner_1RB_Left	16.82	17.29	20.07	30.82	31.29	34.07	<=47	Pass
		Inner_1RB_Right	17.92	17.31	20.64	31.92	31.31	34.64	<=47	Pass
CP-OFDM 256 QAM	3570	Edge_1RB_Left	14.68	14.03	17.38	28.68	28.03	31.38	<=47	Pass
		Edge_1RB_Right	14.96	9.04	15.95	28.96	23.04	29.95	<=47	Pass
		Outer_Full	4.93	7.30	9.29	18.93	21.30	23.29	<=47	Pass
		Inner_Full	10.95	10.97	13.97	24.95	24.97	27.97	<=47	Pass
		Inner_1RB_Left	6.39	14.11	14.79	20.39	28.11	28.79	<=47	Pass
		Inner_1RB_Right	13.07	15.34	17.36	27.07	29.34	31.36	<=47	Pass
	3624.99	Edge_1RB_Left	14.49	14.30	17.41	28.49	28.30	31.41	<=47	Pass
		Edge_1RB_Right	12.24	15.01	16.85	26.24	29.01	30.85	<=47	Pass
		Outer_Full	8.47	8.60	11.55	22.47	22.60	25.55	<=47	Pass
		Inner_Full	11.70	11.52	14.62	25.70	25.52	28.62	<=47	Pass
		Inner_1RB_Left	6.78	14.80	15.44	20.78	28.80	29.44	<=47	Pass
		Inner_1RB_Right	8.98	13.50	14.81	22.98	27.50	28.81	<=47	Pass
	3679.98	Edge_1RB_Left	13.52	14.70	17.16	27.52	28.70	31.16	<=47	Pass
		Edge_1RB_Right	14.52	14.13	17.34	28.52	28.13	31.34	<=47	Pass
		Outer_Full	8.97	9.69	12.36	22.97	23.69	26.36	<=47	Pass
		Inner_Full	11.33	11.79	14.58	25.33	25.79	28.58	<=47	Pass
		Inner_1RB_Left	6.74	14.52	15.19	20.74	28.52	29.19	<=47	Pass
		Inner_1RB_Right	15.24	13.62	17.52	29.24	27.62	31.52	<=47	Pass

Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.12 30k_MIMO_40MHz_NTNV_PSD

5G NR n48 SCS=30kHz MIMO 40MHz NTVN										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3570	Edge_1RB_Left	18.27	15.51	19.95	32.27	29.51	33.95	<=37	Pass
		Edge_1RB_Right	18.00	17.27	20.50	32.00	31.27	34.50	<=37	Pass
		Outer_Full	1.13	3.57	5.18	15.13	17.57	19.18	<=37	Pass
		Inner_Full	-34.75	7.25	7.25	-20.75	21.25	21.25	<=37	Pass



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	3624.99	Inner_1RB_Left	19.80	18.31	22.13	33.80	32.31	36.13	<=37	Pass
		Inner_1RB_Right	19.42	16.49	21.19	33.42	30.49	35.19	<=37	Pass
		Edge_1RB_Left	16.04	17.05	19.36	30.04	31.05	33.36	<=37	Pass
		Edge_1RB_Right	13.80	18.17	19.52	27.80	32.17	33.52	<=37	Pass
		Outer_Full	3.60	1.93	5.52	17.60	15.93	19.52	<=37	Pass
		Inner_Full	5.45	8.01	9.77	19.45	22.01	23.77	<=37	Pass
	3679.98	Inner_1RB_Left	19.32	12.31	19.87	33.32	26.31	33.87	<=37	Pass
		Inner_1RB_Right	18.97	20.06	22.48	32.97	34.06	36.48	<=37	Pass
		Edge_1RB_Left	17.51	10.30	18.11	31.51	24.30	32.11	<=37	Pass
		Edge_1RB_Right	17.79	15.96	19.96	31.79	29.96	33.96	<=37	Pass
		Outer_Full	4.72	3.67	6.46	18.72	17.67	20.46	<=37	Pass
		Inner_Full	8.21	7.23	9.99	22.21	21.23	23.99	<=37	Pass
CP-OFDM 16 QAM	3570	Inner_1RB_Left	18.51	20.19	22.42	32.51	34.19	36.42	<=37	Pass
		Inner_1RB_Right	20.24	18.83	22.39	34.24	32.83	36.39	<=37	Pass
		Edge_1RB_Left	17.53	15.68	19.68	31.53	29.68	33.68	<=37	Pass
		Edge_1RB_Right	18.48	12.70	19.42	32.48	26.70	33.42	<=37	Pass
		Outer_Full	2.08	3.78	5.67	16.08	17.78	19.67	<=37	Pass
		Inner_Full	7.53	3.80	8.17	21.53	17.80	22.17	<=37	Pass
	3624.99	Inner_1RB_Left	18.09	19.34	21.65	32.09	33.34	35.65	<=37	Pass
		Inner_1RB_Right	18.27	18.63	21.30	32.27	32.63	35.30	<=37	Pass
		Edge_1RB_Left	18.08	16.52	19.95	32.08	30.52	33.95	<=37	Pass
		Edge_1RB_Right	18.17	17.91	20.83	32.17	31.91	34.83	<=37	Pass
		Outer_Full	2.26	2.52	4.94	16.26	16.52	18.94	<=37	Pass
		Inner_Full	6.84	7.31	9.82	20.84	21.31	23.82	<=37	Pass
	3679.98	Inner_1RB_Left	18.53	18.82	21.42	32.53	32.82	35.42	<=37	Pass
		Inner_1RB_Right	18.26	20.03	22.11	32.26	34.03	36.11	<=37	Pass
		Edge_1RB_Left	17.94	16.51	20.26	31.94	30.51	34.26	<=37	Pass
		Edge_1RB_Right	17.79	17.20	20.50	31.79	31.20	34.50	<=37	Pass
		Outer_Full	1.50	4.02	5.52	15.50	18.02	19.52	<=37	Pass
		Inner_Full	6.45	7.11	9.75	20.45	21.11	23.75	<=37	Pass
CP-OFDM 64 QAM	3570	Inner_1RB_Left	19.70	19.52	22.62	33.70	33.52	36.62	<=37	Pass
		Inner_1RB_Right	20.06	18.87	22.47	34.06	32.87	36.47	<=37	Pass
		Edge_1RB_Left	16.94	16.92	19.61	30.94	30.92	33.61	<=37	Pass
		Edge_1RB_Right	17.45	10.13	17.97	31.45	24.13	31.97	<=37	Pass
		Outer_Full	1.20	3.01	5.07	15.20	17.01	19.07	<=37	Pass
		Inner_Full	5.60	3.21	7.45	19.60	17.21	21.45	<=37	Pass
		Inner_1RB_Left	17.12	15.47	19.32	31.12	29.47	33.32	<=37	Pass
		Inner_1RB_Right	18.08	17.11	20.47	32.08	31.11	34.47	<=37	Pass

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CP-OFDM 256 QAM	3624.99	Edge_1RB_Left	15.56	16.09	18.68	29.56	30.09	32.68	<=37	Pass
		Edge_1RB_Right	16.82	16.19	19.41	30.82	30.19	33.41	<=37	Pass
		Outer_Full	2.21	3.19	4.49	16.21	17.19	18.49	<=37	Pass
		Inner_Full	5.51	6.31	8.63	19.51	20.31	22.63	<=37	Pass
		Inner_1RB_Left	17.56	17.36	20.40	31.56	31.36	34.40	<=37	Pass
		Inner_1RB_Right	17.75	17.71	20.66	31.75	31.71	34.66	<=37	Pass
	3679.98	Edge_1RB_Left	18.04	15.89	19.94	32.04	29.89	33.94	<=37	Pass
		Edge_1RB_Right	18.19	12.03	18.68	32.19	26.03	32.68	<=37	Pass
		Outer_Full	1.87	2.59	3.74	15.87	16.59	17.74	<=37	Pass
		Inner_Full	4.24	4.62	6.67	18.24	18.62	20.67	<=37	Pass
		Inner_1RB_Left	13.56	17.83	18.97	27.56	31.83	32.97	<=37	Pass
		Inner_1RB_Right	17.32	17.42	20.25	31.32	31.42	34.25	<=37	Pass
3570	3624.99	Edge_1RB_Left	13.16	14.84	16.88	27.16	28.84	30.88	<=37	Pass
		Edge_1RB_Right	15.21	11.42	16.73	29.21	25.42	30.73	<=37	Pass
		Outer_Full	1.87	-0.69	3.44	15.87	13.31	17.44	<=37	Pass
		Inner_Full	2.75	1.82	4.86	16.75	15.82	18.86	<=37	Pass
		Inner_1RB_Left	8.84	11.31	13.14	22.84	25.31	27.14	<=37	Pass
		Inner_1RB_Right	15.16	14.88	18.03	29.16	28.88	32.03	<=37	Pass
	3679.98	Edge_1RB_Left	14.52	13.66	17.04	28.52	27.66	31.04	<=37	Pass
		Edge_1RB_Right	13.82	14.47	17.13	27.82	28.47	31.13	<=37	Pass
		Outer_Full	-0.53	-0.46	1.82	13.47	13.54	15.82	<=37	Pass
		Inner_Full	2.35	2.80	5.23	16.35	16.80	19.23	<=37	Pass
		Inner_1RB_Left	9.31	14.45	15.28	23.31	28.45	29.28	<=37	Pass
		Inner_1RB_Right	10.31	15.16	16.39	24.31	29.16	30.39	<=37	Pass
Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi; Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2										

2. Frequency Stability

2.1 Test Result



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2.1.1 30k_SISO_40MHz

5G NR n48 SCS=30kHz SISO 40MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3624.99	Outer_Full	20	LV	-17.00	-0.0047	>=-2.5 & <=2.5	Pass
				HV	-15.40	-0.0042	>=-2.5 & <=2.5	Pass
			-30	NV	-14.70	-0.0041	>=-2.5 & <=2.5	Pass
			-20	NV	-15.90	-0.0044	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-24.00	-0.0066	>=-2.5 & <=2.5	Pass
			30	NV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-13.70	-0.0038	>=-2.5 & <=2.5	Pass
			50	NV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-17.30	-0.0048	>=-2.5 & <=2.5	Pass
			-30	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-15.80	-0.0044	>=-2.5 & <=2.5	Pass
			-10	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-12.10	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-17.00	-0.0047	>=-2.5 & <=2.5	Pass
			20	NV	-16.60	-0.0046	>=-2.5 & <=2.5	Pass
			30	NV	-21.90	-0.0060	>=-2.5 & <=2.5	Pass
			40	NV	-12.80	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-16.30	-0.0045	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-27.80	-0.0077	>=-2.5 & <=2.5	Pass
				HV	-12.40	-0.0034	>=-2.5 & <=2.5	Pass
			-30	NV	-18.80	-0.0052	>=-2.5 & <=2.5	Pass
			-20	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-17.70	-0.0049	>=-2.5 & <=2.5	Pass
			0	NV	3.90	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-13.60	-0.0038	>=-2.5 & <=2.5	Pass
			20	NV	-14.20	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-20.50	-0.0057	>=-2.5 & <=2.5	Pass
			50	NV	-10.10	-0.0028	>=-2.5 & <=2.5	Pass



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DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-13.20	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-11.30	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	7.20	0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-12.80	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-10.50	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-21.90	-0.0060	>=-2.5 & <=2.5	Pass
			20	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-21.40	-0.0059	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	2.50	0.0007	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-27.80	-0.0077	>=-2.5 & <=2.5	Pass
				HV	-17.00	-0.0047	>=-2.5 & <=2.5	Pass
			-30	NV	-25.00	-0.0069	>=-2.5 & <=2.5	Pass
			-20	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-21.30	-0.0059	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	3.80	0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-14.20	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-14.70	-0.0041	>=-2.5 & <=2.5	Pass
			40	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-15.00	-0.0041	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-22.70	-0.0063	>=-2.5 & <=2.5	Pass
				HV	-13.40	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-20.30	-0.0056	>=-2.5 & <=2.5	Pass
			-20	NV	-10.50	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-12.20	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	-14.50	-0.0040	>=-2.5 & <=2.5	Pass
			10	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-13.00	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-11.80	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	4.70	0.0013	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-23.30	-0.0064	>=-2.5 & <=2.5	Pass
			-10	NV	-14.30	-0.0039	>=-2.5 & <=2.5	Pass



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			0	NV	-10.20	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-23.50	-0.0065	>=-2.5 & <=2.5	Pass
			20	NV	-1.10	-0.0003	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	6.50	0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-14.90	-0.0041	>=-2.5 & <=2.5	Pass
				HV	-18.00	-0.0050	>=-2.5 & <=2.5	Pass
			-30	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-10.10	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	0.60	0.0002	>=-2.5 & <=2.5	Pass
			0	NV	-17.20	-0.0047	>=-2.5 & <=2.5	Pass
			10	NV	-20.50	-0.0057	>=-2.5 & <=2.5	Pass
			20	NV	-23.80	-0.0066	>=-2.5 & <=2.5	Pass
			30	NV	-17.50	-0.0048	>=-2.5 & <=2.5	Pass
			40	NV	-8.50	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-20.30	-0.0056	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	7.80	0.0022	>=-2.5 & <=2.5	Pass
				HV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-9.10	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	9.70	0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-13.60	-0.0038	>=-2.5 & <=2.5	Pass
			10	NV	5.50	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-12.00	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-21.80	-0.0060	>=-2.5 & <=2.5	Pass
			50	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_10MHz_NTNV

5G NR n48 SCS=30kHz SISO 10MHz NTVN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict



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DFT-s-OFDM PI/2 BPSK	3555	Outer_Full	8.76	10.18	/	Pass
	3624.99	Outer_Full	8.66	9.91	/	Pass
	3694.98	Outer_Full	8.74	9.55	/	Pass
DFT-s-OFDM QPSK	3555	Outer_Full	8.69	9.90	/	Pass
	3624.99	Outer_Full	8.70	9.44	/	Pass
	3694.98	Outer_Full	8.71	9.89	/	Pass
DFT-s-OFDM 16 QAM	3555	Outer_Full	8.71	10.28	/	Pass
	3624.99	Outer_Full	8.72	9.34	/	Pass
	3694.98	Outer_Full	8.72	9.33	/	Pass
DFT-s-OFDM 64 QAM	3555	Outer_Full	8.74	10.26	/	Pass
	3624.99	Outer_Full	8.79	9.80	/	Pass
	3694.98	Outer_Full	8.69	9.94	/	Pass
DFT-s-OFDM 256 QAM	3555	Outer_Full	8.74	10.33	/	Pass
	3624.99	Outer_Full	8.70	9.59	/	Pass
	3694.98	Outer_Full	8.63	9.90	/	Pass
CP-OFDM QPSK	3555	Outer_Full	8.71	10.33	/	Pass
	3624.99	Outer_Full	8.68	10.01	/	Pass
	3694.98	Outer_Full	8.66	9.81	/	Pass
CP-OFDM 16 QAM	3555	Outer_Full	8.71	10.37	/	Pass
	3624.99	Outer_Full	8.66	9.85	/	Pass
	3694.98	Outer_Full	8.63	9.58	/	Pass
CP-OFDM 64 QAM	3555	Outer_Full	8.72	10.21	/	Pass
	3624.99	Outer_Full	8.68	9.57	/	Pass
	3694.98	Outer_Full	8.65	9.77	/	Pass
CP-OFDM 256 QAM	3555	Outer_Full	8.73	10.31	/	Pass
	3624.99	Outer_Full	8.75	9.94	/	Pass
	3694.98	Outer_Full	8.67	9.54	/	Pass

3.1.2 30k_SISO_20MHz_NTNV

5G NR n48 SCS=30kHz SISO 20MHz NTVN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3560.01	Outer_Full	18.13	19.96	/	Pass
	3624.99	Outer_Full	17.96	19.50	/	Pass
	3690	Outer_Full	18.16	19.64	/	Pass
DFT-s-OFDM QPSK	3560.01	Outer_Full	18.14	19.86	/	Pass
	3624.99	Outer_Full	18.14	19.69	/	Pass



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	3690	Outer_Full	17.94	19.79	/	Pass
DFT-s-OFDM 16 QAM	3560.01	Outer_Full	18.11	19.73	/	Pass
	3624.99	Outer_Full	17.99	19.38	/	Pass
	3690	Outer_Full	18.18	19.19	/	Pass
DFT-s-OFDM 64 QAM	3560.01	Outer_Full	18.09	20.03	/	Pass
	3624.99	Outer_Full	18.15	19.16	/	Pass
	3690	Outer_Full	18.05	19.45	/	Pass
DFT-s-OFDM 256 QAM	3560.01	Outer_Full	18.14	19.85	/	Pass
	3624.99	Outer_Full	18.10	19.36	/	Pass
	3690	Outer_Full	18.16	19.49	/	Pass
CP-OFDM QPSK	3560.01	Outer_Full	18.44	20.28	/	Pass
	3624.99	Outer_Full	18.36	19.75	/	Pass
	3690	Outer_Full	18.41	19.81	/	Pass
CP-OFDM 16 QAM	3560.01	Outer_Full	18.45	20.49	/	Pass
	3624.99	Outer_Full	18.34	19.52	/	Pass
	3690	Outer_Full	18.34	20.04	/	Pass
CP-OFDM 64 QAM	3560.01	Outer_Full	18.47	20.27	/	Pass
	3624.99	Outer_Full	18.47	20.25	/	Pass
	3690	Outer_Full	18.23	20.75	/	Pass
CP-OFDM 256 QAM	3560.01	Outer_Full	18.43	20.44	/	Pass
	3624.99	Outer_Full	18.33	19.67	/	Pass
	3690	Outer_Full	18.32	19.65	/	Pass

3.1.3 30k_SISO_30MHz_NTNV

5G NR n48 SCS=30kHz SISO 30MHz NTVN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3565.02	Outer_Full	27.10	28.89	/	Pass
	3624.99	Outer_Full	27.02	29.27	/	Pass
	3684.99	Outer_Full	27.13	29.02	/	Pass
DFT-s-OFDM QPSK	3565.02	Outer_Full	27.08	29.07	/	Pass
	3624.99	Outer_Full	27.21	30.79	/	Pass
	3684.99	Outer_Full	27.15	29.42	/	Pass
DFT-s-OFDM 16 QAM	3565.02	Outer_Full	27.09	28.83	/	Pass
	3624.99	Outer_Full	27.04	29.09	/	Pass
	3684.99	Outer_Full	27.23	29.41	/	Pass
DFT-s-OFDM 64 QAM	3565.02	Outer_Full	27.14	28.87	/	Pass



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	3624.99	Outer_Full	27.20	29.07	/	Pass
	3684.99	Outer_Full	27.14	28.78	/	Pass
DFT-s-OFDM 256 QAM	3565.02	Outer_Full	27.12	29.26	/	Pass
	3624.99	Outer_Full	21.18	22.22	/	Pass
CP-OFDM QPSK	3684.99	Outer_Full	27.23	29.52	/	Pass
	3565.02	Outer_Full	28.12	30.15	/	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	28.11	30.16	/	Pass
	3684.99	Outer_Full	28.16	30.55	/	Pass
CP-OFDM 64 QAM	3565.02	Outer_Full	28.10	30.15	/	Pass
	3624.99	Outer_Full	28.14	30.07	/	Pass
CP-OFDM 256 QAM	3684.99	Outer_Full	28.17	30.20	/	Pass
	3565.02	Outer_Full	28.11	30.04	/	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	28.18	30.23	/	Pass
	3684.99	Outer_Full	28.32	30.32	/	Pass
CP-OFDM 256 QAM	3565.02	Outer_Full	28.03	29.95	/	Pass
	3624.99	Outer_Full	28.21	30.08	/	Pass
	3684.99	Outer_Full	28.27	30.53	/	Pass

3.1.4 30k_SISO_40MHz_NTNV

5G NR n48 SCS=30kHz SISO 40MHz NTVN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3570	Outer_Full	36.09	38.88	/	Pass
	3624.99	Outer_Full	36.16	38.19	/	Pass
	3679.98	Outer_Full	35.81	38.59	/	Pass
DFT-s-OFDM QPSK	3570	Outer_Full	36.09	38.91	/	Pass
	3624.99	Outer_Full	36.03	38.51	/	Pass
	3679.98	Outer_Full	36.21	38.81	/	Pass
DFT-s-OFDM 16 QAM	3570	Outer_Full	36.09	38.48	/	Pass
	3624.99	Outer_Full	36.10	38.60	/	Pass
	3679.98	Outer_Full	36.15	38.71	/	Pass
DFT-s-OFDM 64 QAM	3570	Outer_Full	35.80	38.25	/	Pass
	3624.99	Outer_Full	36.11	38.61	/	Pass
	3679.98	Outer_Full	36.43	38.58	/	Pass
DFT-s-OFDM 256 QAM	3570	Outer_Full	36.15	38.55	/	Pass
	3624.99	Outer_Full	35.96	38.29	/	Pass
	3679.98	Outer_Full	36.16	38.49	/	Pass



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CP-OFDM QPSK	3570	Outer_Full	38.11	40.80	/	Pass
	3624.99	Outer_Full	38.01	40.76	/	Pass
	3679.98	Outer_Full	38.11	40.70	/	Pass
CP-OFDM 16 QAM	3570	Outer_Full	38.19	40.68	/	Pass
	3624.99	Outer_Full	38.16	40.80	/	Pass
	3679.98	Outer_Full	38.17	40.85	/	Pass
CP-OFDM 64 QAM	3570	Outer_Full	38.06	40.69	/	Pass
	3624.99	Outer_Full	38.12	40.63	/	Pass
	3679.98	Outer_Full	38.19	40.76	/	Pass
CP-OFDM 256 QAM	3570	Outer_Full	38.17	40.87	/	Pass
	3624.99	Outer_Full	38.02	40.47	/	Pass
	3679.98	Outer_Full	38.14	40.68	/	Pass



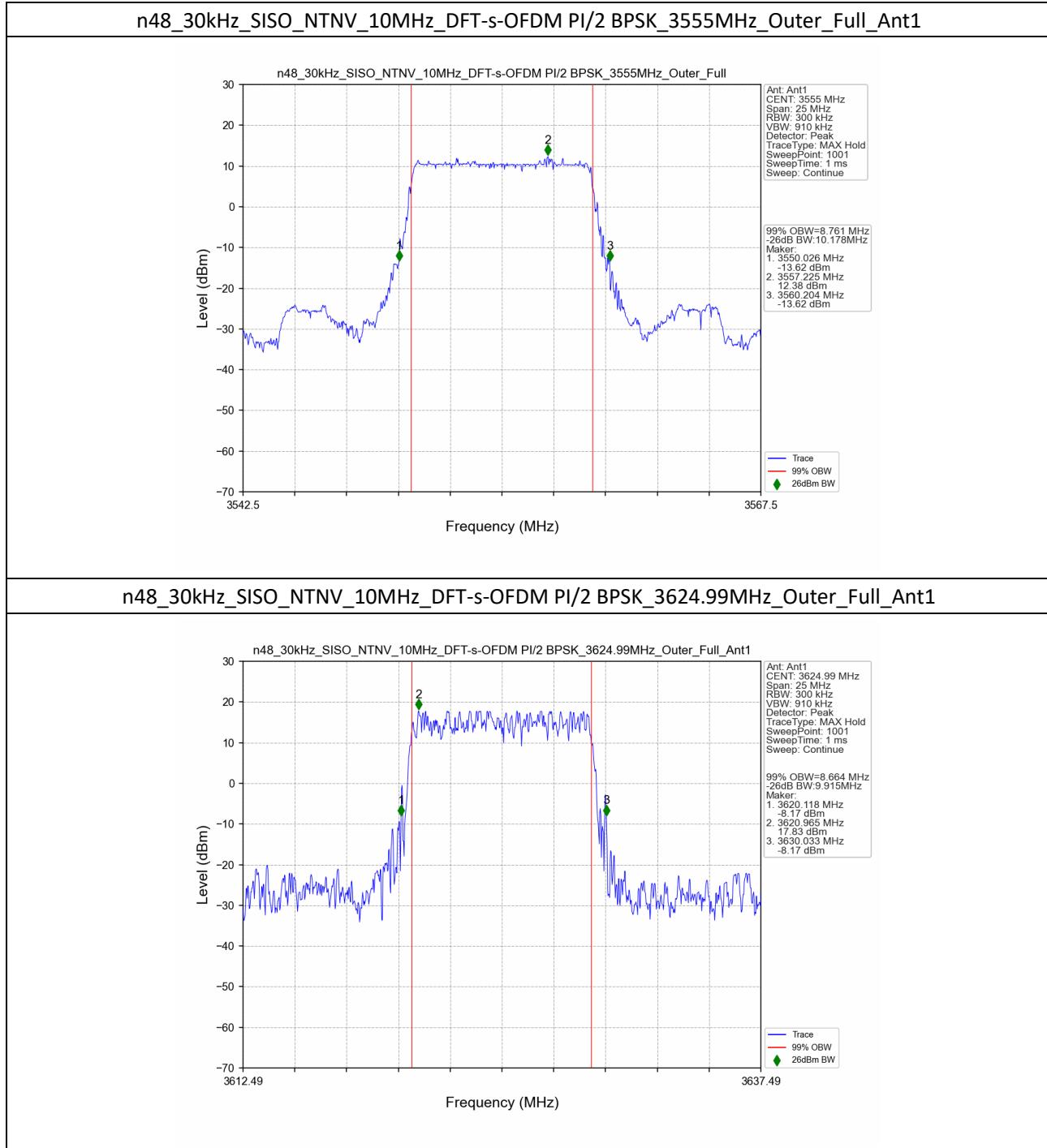
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3.2 Test Graph

3.2.1 30k_SISO_10MHz_NTNV



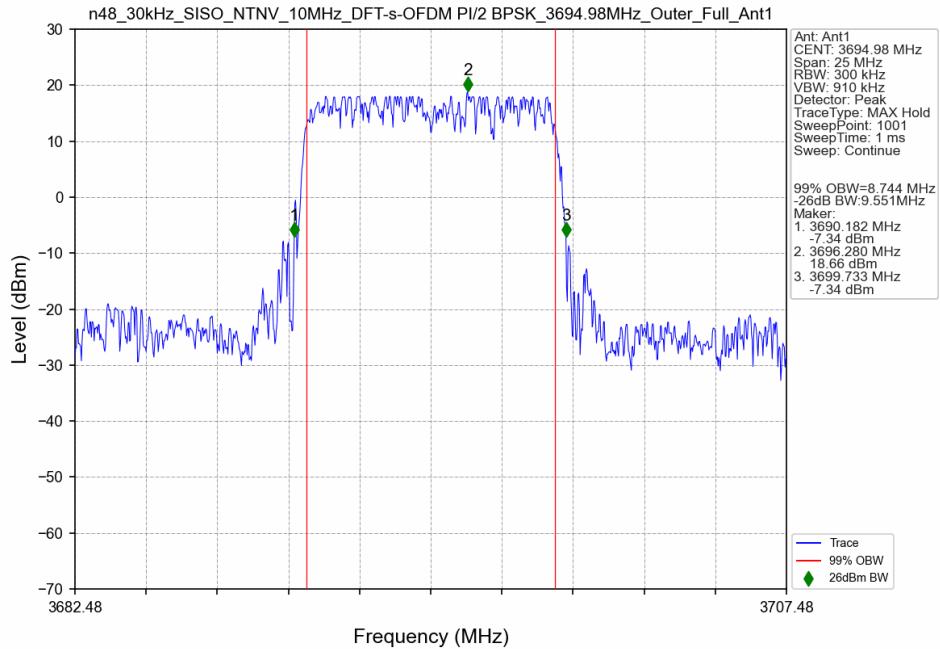
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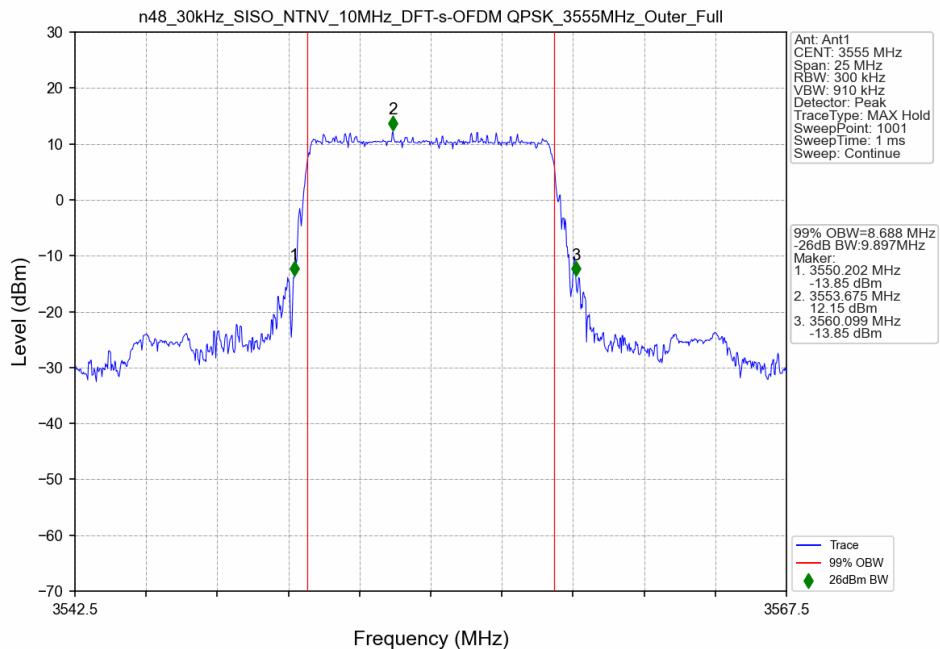
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n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3694.98MHz_Outer_Full_Ant1



n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3555MHz_Outer_Full_Ant1



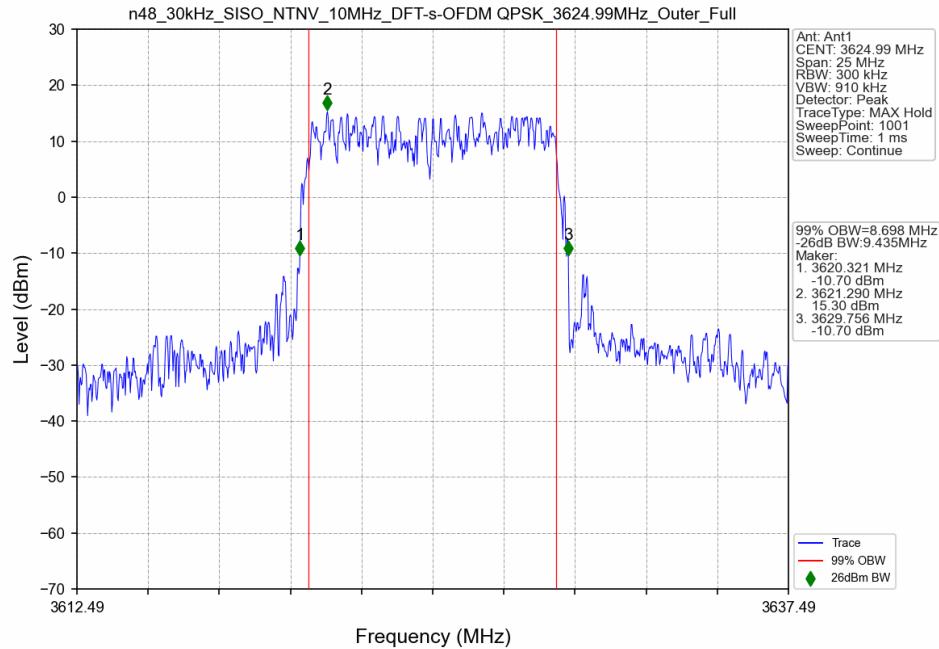
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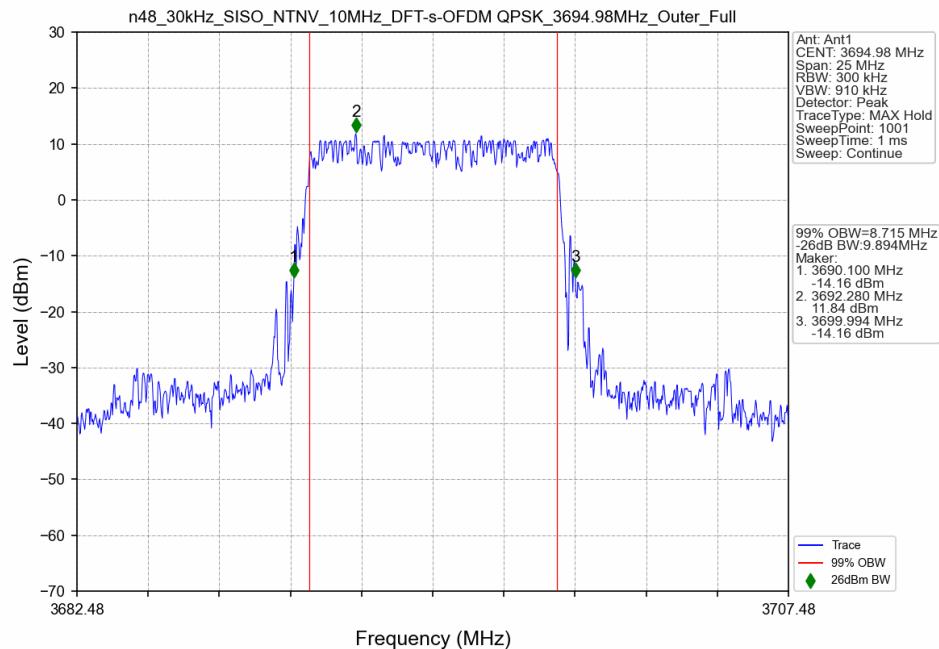
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n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full_Ant1



n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3694.98MHz_Outer_Full_Ant1

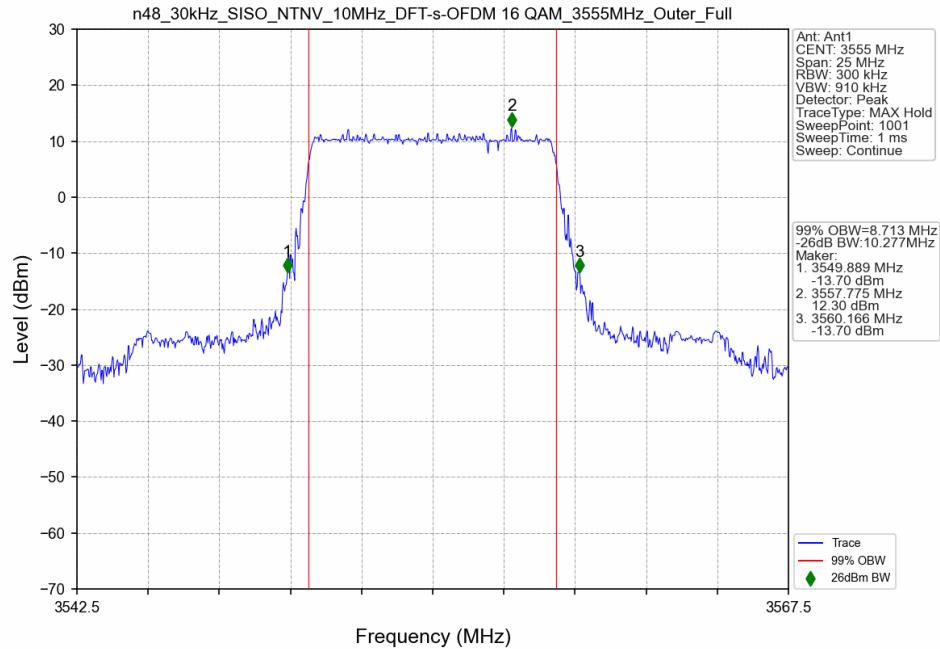


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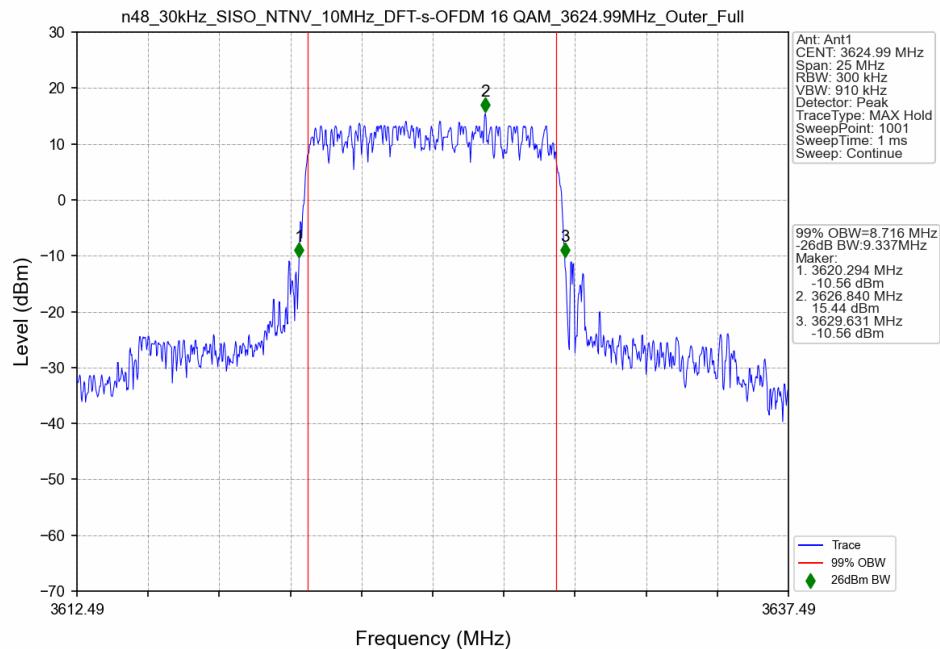
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n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_3555MHz_Outer_Full_Ant1



n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant1



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