		Inner_1RB_Right	25.04	/	/	22.24	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.61	/	/	19.81	/	/	<=30	Pass
		Edge_1RB_Right	22.70	/	/	19.90	/	/	<=30	Pass
		Outer_Full	24.33	/	/	21.53	/	/	<=30	Pass
		Inner_Full	25.27	/	/	22.47	/	/	<=30	Pass
		Inner_1RB_Left	25.18	/	/	22.38	/	/	<=30	Pass
		Inner_1RB_Right	25.27	/	/	22.47	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.42	/	/	19.62	/	/	<=30	Pass
		Edge_1RB_Right	22.57	/	/	19.77	/	/	<=30	Pass
		Outer_Full	24.26	/	/	21.46	/	/	<=30	Pass
		Inner_Full	25.20	/	/	22.40	/	/	<=30	Pass
		Inner_1RB_Left	24.93	/	/	22.13	/	/	<=30	Pass
		Inner_1RB_Right	25.15	/	/	22.35	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3475.02	Edge_1RB_Left	22.61	/	/	19.81	/	/	<=30	Pass
		Edge_1RB_Right	22.74	/	/	19.94	/	/	<=30	Pass
		Outer_Full	23.74	/	/	20.94	/	/	<=30	Pass
		Inner_Full	23.79	/	/	20.99	/	/	<=30	Pass
		Inner_1RB_Left	23.68	/	/	20.88	/	/	<=30	Pass
		Inner_1RB_Right	23.76	/	/	20.96	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.73	/	/	19.93	/	/	<=30	Pass
		Edge_1RB_Right	22.79	/	/	19.99	/	/	<=30	Pass
		Outer_Full	23.87	/	/	21.07	/	/	<=30	Pass
		Inner_Full	23.88	/	/	21.08	/	/	<=30	Pass
		Inner_1RB_Left	23.84	/	/	21.04	/	/	<=30	Pass
		Inner_1RB_Right	23.85	/	/	21.05	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.58	/	/	19.78	/	/	<=30	Pass
		Edge_1RB_Right	22.71	/	/	19.91	/	/	<=30	Pass
		Outer_Full	23.77	/	/	20.97	/	/	<=30	Pass
		Inner_Full	23.78	/	/	20.98	/	/	<=30	Pass
		Inner_1RB_Left	23.61	/	/	20.81	/	/	<=30	Pass
		Inner_1RB_Right	23.76	/	/	20.96	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3475.02	Edge_1RB_Left	21.57	/	/	18.77	/	/	<=30	Pass
		Edge_1RB_Right	21.68	/	/	18.88	/	/	<=30	Pass
		Outer_Full	21.78	/	/	18.98	/	/	<=30	Pass
		Inner_Full	21.83	/	/	19.03	/	/	<=30	Pass
		Inner_1RB_Left	21.61	/	/	18.81	/	/	<=30	Pass
		Inner_1RB_Right	21.66	/	/	18.86	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.70	/	/	18.90	/	/	<=30	Pass
		Edge_1RB_Right	21.78	/	/	18.98	/	/	<=30	Pass
		Outer_Full	21.89	/	/	19.09	/	/	<=30	Pass
		Inner_Full	21.88	/	/	19.08	/	/	<=30	Pass
		Inner_1RB_Left	21.75	/	/	18.95	/	/	<=30	Pass
		Inner_1RB_Right	21.80	/	/	19.00	/	/	<=30	Pass
	3525	Edge_1RB_Left	21.58	/	/	18.78	/	/	<=30	Pass
		Edge_1RB_Right	21.75	/	/	18.95	/	/	<=30	Pass
		Outer_Full	21.77	/	/	18.97	/	/	<=30	Pass
		Inner_Full	21.76	/	/	18.96	/	/	<=30	Pass
		Inner_1RB_Left	21.59	/	/	18.79	/	/	<=30	Pass
		Inner_1RB_Right	21.77	/	/	18.97	/	/	<=30	Pass

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CP-OFDM QPSK	3475.02	Edge_1RB_Left	22.53	/	/	19.73	/	/	<=30	Pass
		Edge_1RB_Right	22.66	/	/	19.86	/	/	<=30	Pass
		Outer_Full	23.19	/	/	20.39	/	/	<=30	Pass
		Inner_Full	24.73	/	/	21.93	/	/	<=30	Pass
		Inner_1RB_Left	24.46	/	/	21.66	/	/	<=30	Pass
		Inner_1RB_Right	24.55	/	/	21.75	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.72	/	/	19.92	/	/	<=30	Pass
		Edge_1RB_Right	22.73	/	/	19.93	/	/	<=30	Pass
		Outer_Full	23.35	/	/	20.55	/	/	<=30	Pass
		Inner_Full	24.83	/	/	22.03	/	/	<=30	Pass
		Inner_1RB_Left	24.63	/	/	21.83	/	/	<=30	Pass
		Inner_1RB_Right	24.67	/	/	21.87	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.57	/	/	19.77	/	/	<=30	Pass
		Edge_1RB_Right	22.72	/	/	19.92	/	/	<=30	Pass
		Outer_Full	23.22	/	/	20.42	/	/	<=30	Pass
		Inner_Full	24.70	/	/	21.90	/	/	<=30	Pass
		Inner_1RB_Left	24.49	/	/	21.69	/	/	<=30	Pass
		Inner_1RB_Right	24.58	/	/	21.78	/	/	<=30	Pass
CP-OFDM 16 QAM	3475.02	Edge_1RB_Left	22.43	/	/	19.63	/	/	<=30	Pass
		Edge_1RB_Right	22.67	/	/	19.87	/	/	<=30	Pass
		Outer_Full	23.22	/	/	20.42	/	/	<=30	Pass
		Inner_Full	24.27	/	/	21.47	/	/	<=30	Pass
		Inner_1RB_Left	23.97	/	/	21.17	/	/	<=30	Pass
		Inner_1RB_Right	24.13	/	/	21.33	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.72	/	/	19.92	/	/	<=30	Pass
		Edge_1RB_Right	22.71	/	/	19.91	/	/	<=30	Pass
		Outer_Full	23.31	/	/	20.51	/	/	<=30	Pass
		Inner_Full	24.38	/	/	21.58	/	/	<=30	Pass
		Inner_1RB_Left	24.20	/	/	21.40	/	/	<=30	Pass
		Inner_1RB_Right	24.21	/	/	21.41	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.55	/	/	19.75	/	/	<=30	Pass
		Edge_1RB_Right	22.73	/	/	19.93	/	/	<=30	Pass
		Outer_Full	23.26	/	/	20.46	/	/	<=30	Pass
		Inner_Full	24.29	/	/	21.49	/	/	<=30	Pass
		Inner_1RB_Left	23.98	/	/	21.18	/	/	<=30	Pass
		Inner_1RB_Right	24.16	/	/	21.36	/	/	<=30	Pass
CP-OFDM 64 QAM	3475.02	Edge_1RB_Left	22.64	/	/	19.84	/	/	<=30	Pass
		Edge_1RB_Right	22.89	/	/	20.09	/	/	<=30	Pass
		Outer_Full	22.75	/	/	19.95	/	/	<=30	Pass
		Inner_Full	22.79	/	/	19.99	/	/	<=30	Pass
		Inner_1RB_Left	22.67	/	/	19.87	/	/	<=30	Pass
		Inner_1RB_Right	22.73	/	/	19.93	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.85	/	/	20.05	/	/	<=30	Pass
		Edge_1RB_Right	22.90	/	/	20.10	/	/	<=30	Pass
		Outer_Full	22.85	/	/	20.05	/	/	<=30	Pass
		Inner_Full	22.86	/	/	20.06	/	/	<=30	Pass
		Inner_1RB_Left	22.85	/	/	20.05	/	/	<=30	Pass
		Inner_1RB_Right	22.87	/	/	20.07	/	/	<=30	Pass
	3525	Edge_1RB_Left	22.71	/	/	19.91	/	/	<=30	Pass

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		Edge_1RB_Right	22.84	/	/	20.04	/	/	<=30	Pass
		Outer_Full	22.73	/	/	19.93	/	/	<=30	Pass
		Inner_Full	22.83	/	/	20.03	/	/	<=30	Pass
		Inner_1RB_Left	22.67	/	/	19.87	/	/	<=30	Pass
		Inner_1RB_Right	22.80	/	/	20.00	/	/	<=30	Pass
CP-OFDM 256 QAM	3475.02	Edge_1RB_Left	19.59	/	/	16.79	/	/	<=30	Pass
		Edge_1RB_Right	19.66	/	/	16.86	/	/	<=30	Pass
		Outer_Full	19.71	/	/	16.91	/	/	<=30	Pass
		Inner_Full	19.81	/	/	17.01	/	/	<=30	Pass
		Inner_1RB_Left	19.60	/	/	16.80	/	/	<=30	Pass
		Inner_1RB_Right	19.68	/	/	16.88	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.76	/	/	16.96	/	/	<=30	Pass
		Edge_1RB_Right	19.82	/	/	17.02	/	/	<=30	Pass
		Outer_Full	19.84	/	/	17.04	/	/	<=30	Pass
		Inner_Full	19.92	/	/	17.12	/	/	<=30	Pass
		Inner_1RB_Left	19.80	/	/	17.00	/	/	<=30	Pass
		Inner_1RB_Right	19.85	/	/	17.05	/	/	<=30	Pass
	3525	Edge_1RB_Left	19.60	/	/	16.80	/	/	<=30	Pass
		Edge_1RB_Right	19.81	/	/	17.01	/	/	<=30	Pass
		Outer_Full	19.74	/	/	16.94	/	/	<=30	Pass
		Inner_Full	19.77	/	/	16.97	/	/	<=30	Pass
		Inner_1RB_Left	19.62	/	/	16.82	/	/	<=30	Pass
		Inner_1RB_Right	19.75	/	/	16.95	/	/	<=30	Pass

Note1: Antenna Gain: Ant5: -2.80dBi;
Note2: EIRP=Conducted Power+Antenna Gain

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1.15 30k_SISO_60MHz_NTNV_EIRP

1.15.1 Test Result

5G NR n77d SCS=30kHz SISO 60MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3480	Edge_1RB_Left	22.72	/	/	19.92	/	/	<=30	Pass
		Edge_1RB_Right	22.83	/	/	20.03	/	/	<=30	Pass
		Outer_Full	25.79	/	/	22.99	/	/	<=30	Pass
		Inner_Full	26.26	/	/	23.46	/	/	<=30	Pass
		Inner_1RB_Left	26.14	/	/	23.34	/	/	<=30	Pass
		Inner_1RB_Right	26.13	/	/	23.33	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.74	/	/	19.94	/	/	<=30	Pass
		Edge_1RB_Right	22.80	/	/	20.00	/	/	<=30	Pass
		Outer_Full	25.79	/	/	22.99	/	/	<=30	Pass
		Inner_Full	26.15	/	/	23.35	/	/	<=30	Pass
		Inner_1RB_Left	26.07	/	/	23.27	/	/	<=30	Pass
		Inner_1RB_Right	26.16	/	/	23.36	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	22.74	/	/	19.94	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	20.05	/	/	<=30	Pass
		Outer_Full	25.76	/	/	22.96	/	/	<=30	Pass
		Inner_Full	26.26	/	/	23.46	/	/	<=30	Pass
		Inner_1RB_Left	26.05	/	/	23.25	/	/	<=30	Pass
		Inner_1RB_Right	26.19	/	/	23.39	/	/	<=30	Pass
DFT-s-OFDM QPSK	3480	Edge_1RB_Left	22.76	/	/	19.96	/	/	<=30	Pass
		Edge_1RB_Right	22.88	/	/	20.08	/	/	<=30	Pass
		Outer_Full	25.30	/	/	22.50	/	/	<=30	Pass
		Inner_Full	26.21	/	/	23.41	/	/	<=30	Pass
		Inner_1RB_Left	26.09	/	/	23.29	/	/	<=30	Pass
		Inner_1RB_Right	26.15	/	/	23.35	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.76	/	/	19.96	/	/	<=30	Pass
		Edge_1RB_Right	22.82	/	/	20.02	/	/	<=30	Pass
		Outer_Full	25.30	/	/	22.50	/	/	<=30	Pass
		Inner_Full	26.24	/	/	23.44	/	/	<=30	Pass
		Inner_1RB_Left	26.09	/	/	23.29	/	/	<=30	Pass
		Inner_1RB_Right	26.17	/	/	23.37	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	22.74	/	/	19.94	/	/	<=30	Pass
		Edge_1RB_Right	22.83	/	/	20.03	/	/	<=30	Pass
		Outer_Full	25.29	/	/	22.49	/	/	<=30	Pass
		Inner_Full	26.16	/	/	23.36	/	/	<=30	Pass
		Inner_1RB_Left	26.01	/	/	23.21	/	/	<=30	Pass
		Inner_1RB_Right	26.18	/	/	23.38	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3480	Edge_1RB_Left	22.65	/	/	19.85	/	/	<=30	Pass
		Edge_1RB_Right	22.71	/	/	19.91	/	/	<=30	Pass
		Outer_Full	24.32	/	/	21.52	/	/	<=30	Pass
		Inner_Full	25.35	/	/	22.55	/	/	<=30	Pass
		Inner_1RB_Left	25.01	/	/	22.21	/	/	<=30	Pass

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		Inner_1RB_Right	25.20	/	/	22.40	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.66	/	/	19.86	/	/	<=30	Pass
		Edge_1RB_Right	22.69	/	/	19.89	/	/	<=30	Pass
		Outer_Full	24.30	/	/	21.50	/	/	<=30	Pass
		Inner_Full	25.32	/	/	22.52	/	/	<=30	Pass
		Inner_1RB_Left	24.96	/	/	22.16	/	/	<=30	Pass
		Inner_1RB_Right	25.02	/	/	22.22	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	22.59	/	/	19.79	/	/	<=30	Pass
		Edge_1RB_Right	22.80	/	/	20.00	/	/	<=30	Pass
		Outer_Full	24.29	/	/	21.49	/	/	<=30	Pass
		Inner_Full	25.31	/	/	22.51	/	/	<=30	Pass
		Inner_1RB_Left	25.16	/	/	22.36	/	/	<=30	Pass
		Inner_1RB_Right	25.29	/	/	22.49	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3480	Edge_1RB_Left	22.77	/	/	19.97	/	/	<=30	Pass
		Edge_1RB_Right	22.86	/	/	20.06	/	/	<=30	Pass
		Outer_Full	23.80	/	/	21.00	/	/	<=30	Pass
		Inner_Full	23.88	/	/	21.08	/	/	<=30	Pass
		Inner_1RB_Left	23.65	/	/	20.85	/	/	<=30	Pass
		Inner_1RB_Right	23.75	/	/	20.95	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.74	/	/	19.94	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	20.05	/	/	<=30	Pass
		Outer_Full	23.80	/	/	21.00	/	/	<=30	Pass
		Inner_Full	23.86	/	/	21.06	/	/	<=30	Pass
		Inner_1RB_Left	23.74	/	/	20.94	/	/	<=30	Pass
		Inner_1RB_Right	23.88	/	/	21.08	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	22.78	/	/	19.98	/	/	<=30	Pass
		Edge_1RB_Right	22.88	/	/	20.08	/	/	<=30	Pass
		Outer_Full	23.82	/	/	21.02	/	/	<=30	Pass
		Inner_Full	23.83	/	/	21.03	/	/	<=30	Pass
		Inner_1RB_Left	23.78	/	/	20.98	/	/	<=30	Pass
		Inner_1RB_Right	23.81	/	/	21.01	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3480	Edge_1RB_Left	21.71	/	/	18.91	/	/	<=30	Pass
		Edge_1RB_Right	21.82	/	/	19.02	/	/	<=30	Pass
		Outer_Full	21.80	/	/	19.00	/	/	<=30	Pass
		Inner_Full	21.85	/	/	19.05	/	/	<=30	Pass
		Inner_1RB_Left	21.73	/	/	18.93	/	/	<=30	Pass
		Inner_1RB_Right	21.81	/	/	19.01	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.72	/	/	18.92	/	/	<=30	Pass
		Edge_1RB_Right	21.81	/	/	19.01	/	/	<=30	Pass
		Outer_Full	21.78	/	/	18.98	/	/	<=30	Pass
		Inner_Full	21.83	/	/	19.03	/	/	<=30	Pass
		Inner_1RB_Left	21.74	/	/	18.94	/	/	<=30	Pass
		Inner_1RB_Right	21.76	/	/	18.96	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.76	/	/	18.96	/	/	<=30	Pass
		Edge_1RB_Right	21.83	/	/	19.03	/	/	<=30	Pass
		Outer_Full	21.82	/	/	19.02	/	/	<=30	Pass
		Inner_Full	21.80	/	/	19.00	/	/	<=30	Pass
		Inner_1RB_Left	21.73	/	/	18.93	/	/	<=30	Pass
		Inner_1RB_Right	21.82	/	/	19.02	/	/	<=30	Pass

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CP-OFDM QPSK	3480	Edge_1RB_Left	22.64	/	/	19.84	/	/	<=30	Pass
		Edge_1RB_Right	22.72	/	/	19.92	/	/	<=30	Pass
		Outer_Full	23.31	/	/	20.51	/	/	<=30	Pass
		Inner_Full	24.85	/	/	22.05	/	/	<=30	Pass
		Inner_1RB_Left	24.63	/	/	21.83	/	/	<=30	Pass
		Inner_1RB_Right	24.63	/	/	21.83	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.67	/	/	19.87	/	/	<=30	Pass
		Edge_1RB_Right	22.73	/	/	19.93	/	/	<=30	Pass
		Outer_Full	23.31	/	/	20.51	/	/	<=30	Pass
		Inner_Full	24.82	/	/	22.02	/	/	<=30	Pass
		Inner_1RB_Left	24.61	/	/	21.81	/	/	<=30	Pass
		Inner_1RB_Right	24.75	/	/	21.95	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	22.64	/	/	19.84	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	20.04	/	/	<=30	Pass
		Outer_Full	23.28	/	/	20.48	/	/	<=30	Pass
		Inner_Full	24.80	/	/	22.00	/	/	<=30	Pass
		Inner_1RB_Left	24.60	/	/	21.80	/	/	<=30	Pass
		Inner_1RB_Right	24.73	/	/	21.93	/	/	<=30	Pass
CP-OFDM 16 QAM	3480	Edge_1RB_Left	22.63	/	/	19.83	/	/	<=30	Pass
		Edge_1RB_Right	22.69	/	/	19.89	/	/	<=30	Pass
		Outer_Full	23.32	/	/	20.52	/	/	<=30	Pass
		Inner_Full	24.35	/	/	21.55	/	/	<=30	Pass
		Inner_1RB_Left	24.21	/	/	21.41	/	/	<=30	Pass
		Inner_1RB_Right	24.13	/	/	21.33	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.71	/	/	19.91	/	/	<=30	Pass
		Edge_1RB_Right	22.67	/	/	19.87	/	/	<=30	Pass
		Outer_Full	23.31	/	/	20.51	/	/	<=30	Pass
		Inner_Full	24.31	/	/	21.51	/	/	<=30	Pass
		Inner_1RB_Left	24.19	/	/	21.39	/	/	<=30	Pass
		Inner_1RB_Right	24.18	/	/	21.38	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	22.66	/	/	19.86	/	/	<=30	Pass
		Edge_1RB_Right	22.80	/	/	20.00	/	/	<=30	Pass
		Outer_Full	23.30	/	/	20.50	/	/	<=30	Pass
		Inner_Full	24.25	/	/	21.45	/	/	<=30	Pass
		Inner_1RB_Left	24.10	/	/	21.30	/	/	<=30	Pass
		Inner_1RB_Right	24.31	/	/	21.51	/	/	<=30	Pass
CP-OFDM 64 QAM	3480	Edge_1RB_Left	22.88	/	/	20.08	/	/	<=30	Pass
		Edge_1RB_Right	22.97	/	/	20.17	/	/	<=30	Pass
		Outer_Full	22.84	/	/	20.04	/	/	<=30	Pass
		Inner_Full	22.89	/	/	20.09	/	/	<=30	Pass
		Inner_1RB_Left	22.77	/	/	19.97	/	/	<=30	Pass
		Inner_1RB_Right	22.87	/	/	20.07	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.92	/	/	20.12	/	/	<=30	Pass
		Edge_1RB_Right	22.92	/	/	20.12	/	/	<=30	Pass
		Outer_Full	22.83	/	/	20.03	/	/	<=30	Pass
		Inner_Full	22.80	/	/	20.00	/	/	<=30	Pass
		Inner_1RB_Left	22.85	/	/	20.05	/	/	<=30	Pass
		Inner_1RB_Right	22.85	/	/	20.05	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	22.81	/	/	20.01	/	/	<=30	Pass

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		Edge_1RB_Right	22.91	/	/	20.11	/	/	<=30	Pass
		Outer_Full	22.78	/	/	19.98	/	/	<=30	Pass
		Inner_Full	22.81	/	/	20.01	/	/	<=30	Pass
		Inner_1RB_Left	22.78	/	/	19.98	/	/	<=30	Pass
		Inner_1RB_Right	22.86	/	/	20.06	/	/	<=30	Pass
CP-OFDM 256 QAM	3480	Edge_1RB_Left	19.76	/	/	16.96	/	/	<=30	Pass
		Edge_1RB_Right	19.82	/	/	17.02	/	/	<=30	Pass
		Outer_Full	19.86	/	/	17.06	/	/	<=30	Pass
		Inner_Full	19.85	/	/	17.05	/	/	<=30	Pass
		Inner_1RB_Left	19.78	/	/	16.98	/	/	<=30	Pass
		Inner_1RB_Right	19.80	/	/	17.00	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.76	/	/	16.96	/	/	<=30	Pass
		Edge_1RB_Right	19.84	/	/	17.04	/	/	<=30	Pass
		Outer_Full	19.82	/	/	17.02	/	/	<=30	Pass
		Inner_Full	19.82	/	/	17.02	/	/	<=30	Pass
		Inner_1RB_Left	19.78	/	/	16.98	/	/	<=30	Pass
		Inner_1RB_Right	19.84	/	/	17.04	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	19.76	/	/	16.96	/	/	<=30	Pass
		Edge_1RB_Right	19.89	/	/	17.09	/	/	<=30	Pass
		Outer_Full	19.84	/	/	17.04	/	/	<=30	Pass
		Inner_Full	19.79	/	/	16.99	/	/	<=30	Pass
		Inner_1RB_Left	19.79	/	/	16.99	/	/	<=30	Pass
		Inner_1RB_Right	19.90	/	/	17.10	/	/	<=30	Pass

Note1: Antenna Gain: Ant5: -2.80dBi;
Note2: EIRP=Conducted Power+Antenna Gain

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1.16 30k_SISO_70MHz_NTNV_EIRP

1.16.1 Test Result

5G NR n77d SCS=30kHz SISO 70MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3485.01	Edge_1RB_Left	22.77	/	/	19.97	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	20.04	/	/	<=30	Pass
		Outer_Full	25.65	/	/	22.85	/	/	<=30	Pass
		Inner_Full	26.22	/	/	23.42	/	/	<=30	Pass
		Inner_1RB_Left	26.10	/	/	23.30	/	/	<=30	Pass
		Inner_1RB_Right	26.08	/	/	23.28	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.81	/	/	20.01	/	/	<=30	Pass
		Edge_1RB_Right	22.81	/	/	20.01	/	/	<=30	Pass
		Outer_Full	25.73	/	/	22.93	/	/	<=30	Pass
		Inner_Full	26.19	/	/	23.39	/	/	<=30	Pass
		Inner_1RB_Left	26.13	/	/	23.33	/	/	<=30	Pass
		Inner_1RB_Right	26.06	/	/	23.26	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	22.94	/	/	20.14	/	/	<=30	Pass
		Edge_1RB_Right	22.89	/	/	20.09	/	/	<=30	Pass
		Outer_Full	25.90	/	/	23.10	/	/	<=30	Pass
		Inner_Full	26.33	/	/	23.53	/	/	<=30	Pass
		Inner_1RB_Left	26.19	/	/	23.39	/	/	<=30	Pass
		Inner_1RB_Right	26.23	/	/	23.43	/	/	<=30	Pass
DFT-s-OFDM QPSK	3485.01	Edge_1RB_Left	22.84	/	/	20.04	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	20.05	/	/	<=30	Pass
		Outer_Full	25.33	/	/	22.53	/	/	<=30	Pass
		Inner_Full	26.15	/	/	23.35	/	/	<=30	Pass
		Inner_1RB_Left	26.09	/	/	23.29	/	/	<=30	Pass
		Inner_1RB_Right	26.08	/	/	23.28	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.84	/	/	20.04	/	/	<=30	Pass
		Edge_1RB_Right	22.86	/	/	20.06	/	/	<=30	Pass
		Outer_Full	25.39	/	/	22.59	/	/	<=30	Pass
		Inner_Full	26.22	/	/	23.42	/	/	<=30	Pass
		Inner_1RB_Left	26.09	/	/	23.29	/	/	<=30	Pass
		Inner_1RB_Right	26.10	/	/	23.30	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	22.96	/	/	20.16	/	/	<=30	Pass
		Edge_1RB_Right	22.93	/	/	20.13	/	/	<=30	Pass
		Outer_Full	25.52	/	/	22.72	/	/	<=30	Pass
		Inner_Full	26.31	/	/	23.51	/	/	<=30	Pass
		Inner_1RB_Left	26.28	/	/	23.48	/	/	<=30	Pass
		Inner_1RB_Right	26.21	/	/	23.41	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3485.01	Edge_1RB_Left	22.68	/	/	19.88	/	/	<=30	Pass
		Edge_1RB_Right	22.69	/	/	19.89	/	/	<=30	Pass
		Outer_Full	24.31	/	/	21.51	/	/	<=30	Pass
		Inner_Full	25.34	/	/	22.54	/	/	<=30	Pass
		Inner_1RB_Left	25.24	/	/	22.44	/	/	<=30	Pass

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		Inner_1RB_Right	25.13	/	/	22.33	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.76	/	/	19.96	/	/	<=30	Pass
		Edge_1RB_Right	22.67	/	/	19.87	/	/	<=30	Pass
		Outer_Full	24.41	/	/	21.61	/	/	<=30	Pass
		Inner_Full	25.39	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Left	25.07	/	/	22.27	/	/	<=30	Pass
		Inner_1RB_Right	25.18	/	/	22.38	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	22.89	/	/	20.09	/	/	<=30	Pass
		Edge_1RB_Right	22.76	/	/	19.96	/	/	<=30	Pass
		Outer_Full	24.50	/	/	21.70	/	/	<=30	Pass
		Inner_Full	25.53	/	/	22.73	/	/	<=30	Pass
		Inner_1RB_Left	25.25	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Right	25.29	/	/	22.49	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3485.01	Edge_1RB_Left	22.82	/	/	20.02	/	/	<=30	Pass
		Edge_1RB_Right	22.90	/	/	20.10	/	/	<=30	Pass
		Outer_Full	23.88	/	/	21.08	/	/	<=30	Pass
		Inner_Full	23.83	/	/	21.03	/	/	<=30	Pass
		Inner_1RB_Left	23.75	/	/	20.95	/	/	<=30	Pass
		Inner_1RB_Right	23.76	/	/	20.96	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.89	/	/	20.09	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	20.05	/	/	<=30	Pass
		Outer_Full	23.93	/	/	21.13	/	/	<=30	Pass
		Inner_Full	23.92	/	/	21.12	/	/	<=30	Pass
		Inner_1RB_Left	23.88	/	/	21.08	/	/	<=30	Pass
		Inner_1RB_Right	23.90	/	/	21.10	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	23.00	/	/	20.20	/	/	<=30	Pass
		Edge_1RB_Right	22.89	/	/	20.09	/	/	<=30	Pass
		Outer_Full	24.01	/	/	21.21	/	/	<=30	Pass
		Inner_Full	24.04	/	/	21.24	/	/	<=30	Pass
		Inner_1RB_Left	23.92	/	/	21.12	/	/	<=30	Pass
		Inner_1RB_Right	23.82	/	/	21.02	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3485.01	Edge_1RB_Left	21.76	/	/	18.96	/	/	<=30	Pass
		Edge_1RB_Right	21.77	/	/	18.97	/	/	<=30	Pass
		Outer_Full	21.86	/	/	19.06	/	/	<=30	Pass
		Inner_Full	21.81	/	/	19.01	/	/	<=30	Pass
		Inner_1RB_Left	21.78	/	/	18.98	/	/	<=30	Pass
		Inner_1RB_Right	21.77	/	/	18.97	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.90	/	/	19.10	/	/	<=30	Pass
		Edge_1RB_Right	21.85	/	/	19.05	/	/	<=30	Pass
		Outer_Full	21.93	/	/	19.13	/	/	<=30	Pass
		Inner_Full	21.94	/	/	19.14	/	/	<=30	Pass
		Inner_1RB_Left	21.89	/	/	19.09	/	/	<=30	Pass
		Inner_1RB_Right	21.84	/	/	19.04	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	21.93	/	/	19.13	/	/	<=30	Pass
		Edge_1RB_Right	21.82	/	/	19.02	/	/	<=30	Pass
		Outer_Full	22.04	/	/	19.24	/	/	<=30	Pass
		Inner_Full	22.11	/	/	19.31	/	/	<=30	Pass
		Inner_1RB_Left	21.96	/	/	19.16	/	/	<=30	Pass
		Inner_1RB_Right	21.90	/	/	19.10	/	/	<=30	Pass

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CP-OFDM QPSK	3485.01	Edge_1RB_Left	22.70	/	/	19.90	/	/	<=30	Pass
		Edge_1RB_Right	22.76	/	/	19.96	/	/	<=30	Pass
		Outer_Full	23.34	/	/	20.54	/	/	<=30	Pass
		Inner_Full	24.80	/	/	22.00	/	/	<=30	Pass
		Inner_1RB_Left	24.69	/	/	21.89	/	/	<=30	Pass
		Inner_1RB_Right	24.70	/	/	21.90	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.77	/	/	19.97	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	20.05	/	/	<=30	Pass
		Outer_Full	23.45	/	/	20.65	/	/	<=30	Pass
		Inner_Full	24.93	/	/	22.13	/	/	<=30	Pass
		Inner_1RB_Left	24.71	/	/	21.91	/	/	<=30	Pass
		Inner_1RB_Right	24.68	/	/	21.88	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	22.89	/	/	20.09	/	/	<=30	Pass
		Edge_1RB_Right	22.88	/	/	20.08	/	/	<=30	Pass
		Outer_Full	23.55	/	/	20.75	/	/	<=30	Pass
		Inner_Full	25.03	/	/	22.23	/	/	<=30	Pass
		Inner_1RB_Left	24.88	/	/	22.08	/	/	<=30	Pass
		Inner_1RB_Right	24.74	/	/	21.94	/	/	<=30	Pass
CP-OFDM 16 QAM	3485.01	Edge_1RB_Left	22.80	/	/	20.00	/	/	<=30	Pass
		Edge_1RB_Right	22.76	/	/	19.96	/	/	<=30	Pass
		Outer_Full	23.34	/	/	20.54	/	/	<=30	Pass
		Inner_Full	24.31	/	/	21.51	/	/	<=30	Pass
		Inner_1RB_Left	24.19	/	/	21.39	/	/	<=30	Pass
		Inner_1RB_Right	24.30	/	/	21.50	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.83	/	/	20.03	/	/	<=30	Pass
		Edge_1RB_Right	22.66	/	/	19.86	/	/	<=30	Pass
		Outer_Full	23.43	/	/	20.63	/	/	<=30	Pass
		Inner_Full	24.39	/	/	21.59	/	/	<=30	Pass
		Inner_1RB_Left	24.27	/	/	21.47	/	/	<=30	Pass
		Inner_1RB_Right	24.23	/	/	21.43	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	22.92	/	/	20.12	/	/	<=30	Pass
		Edge_1RB_Right	22.88	/	/	20.08	/	/	<=30	Pass
		Outer_Full	23.54	/	/	20.74	/	/	<=30	Pass
		Inner_Full	24.53	/	/	21.73	/	/	<=30	Pass
		Inner_1RB_Left	24.40	/	/	21.60	/	/	<=30	Pass
		Inner_1RB_Right	24.25	/	/	21.45	/	/	<=30	Pass
CP-OFDM 64 QAM	3485.01	Edge_1RB_Left	22.94	/	/	20.14	/	/	<=30	Pass
		Edge_1RB_Right	22.81	/	/	20.01	/	/	<=30	Pass
		Outer_Full	22.83	/	/	20.03	/	/	<=30	Pass
		Inner_Full	22.80	/	/	20.00	/	/	<=30	Pass
		Inner_1RB_Left	22.88	/	/	20.08	/	/	<=30	Pass
		Inner_1RB_Right	22.89	/	/	20.09	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.94	/	/	20.14	/	/	<=30	Pass
		Edge_1RB_Right	22.87	/	/	20.07	/	/	<=30	Pass
		Outer_Full	22.95	/	/	20.15	/	/	<=30	Pass
		Inner_Full	22.93	/	/	20.13	/	/	<=30	Pass
		Inner_1RB_Left	22.95	/	/	20.15	/	/	<=30	Pass
		Inner_1RB_Right	22.90	/	/	20.10	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	22.95	/	/	20.15	/	/	<=30	Pass

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		Edge_1RB_Right	23.01	/	/	20.21	/	/	<=30	Pass
		Outer_Full	23.08	/	/	20.28	/	/	<=30	Pass
		Inner_Full	23.03	/	/	20.23	/	/	<=30	Pass
		Inner_1RB_Left	23.00	/	/	20.20	/	/	<=30	Pass
		Inner_1RB_Right	23.03	/	/	20.23	/	/	<=30	Pass
CP-OFDM 256 QAM	3485.01	Edge_1RB_Left	19.88	/	/	17.08	/	/	<=30	Pass
		Edge_1RB_Right	19.88	/	/	17.08	/	/	<=30	Pass
		Outer_Full	19.88	/	/	17.08	/	/	<=30	Pass
		Inner_Full	19.82	/	/	17.02	/	/	<=30	Pass
		Inner_1RB_Left	19.87	/	/	17.07	/	/	<=30	Pass
		Inner_1RB_Right	19.85	/	/	17.05	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.93	/	/	17.13	/	/	<=30	Pass
		Edge_1RB_Right	19.92	/	/	17.12	/	/	<=30	Pass
		Outer_Full	19.98	/	/	17.18	/	/	<=30	Pass
		Inner_Full	19.96	/	/	17.16	/	/	<=30	Pass
		Inner_1RB_Left	19.94	/	/	17.14	/	/	<=30	Pass
		Inner_1RB_Right	19.91	/	/	17.11	/	/	<=30	Pass
	3514.98	Edge_1RB_Left	20.03	/	/	17.23	/	/	<=30	Pass
		Edge_1RB_Right	19.93	/	/	17.13	/	/	<=30	Pass
		Outer_Full	20.09	/	/	17.29	/	/	<=30	Pass
		Inner_Full	20.07	/	/	17.27	/	/	<=30	Pass
		Inner_1RB_Left	20.01	/	/	17.21	/	/	<=30	Pass
		Inner_1RB_Right	19.96	/	/	17.16	/	/	<=30	Pass
Note1: Antenna Gain: Ant5: -2.80dBi; Note2: EIRP=Conducted Power+Antenna Gain										

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1.17 30k_SISO_80MHz_NTNV_EIRP

1.17.1 Test Result

5G NR n77d SCS=30kHz SISO 80MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3490.02	Edge_1RB_Left	22.96	/	/	20.16	/	/	<=30	Pass
		Edge_1RB_Right	22.88	/	/	20.08	/	/	<=30	Pass
		Outer_Full	25.84	/	/	23.04	/	/	<=30	Pass
		Inner_Full	26.41	/	/	23.61	/	/	<=30	Pass
		Inner_1RB_Left	26.18	/	/	23.38	/	/	<=30	Pass
		Inner_1RB_Right	26.16	/	/	23.36	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.94	/	/	20.14	/	/	<=30	Pass
		Edge_1RB_Right	22.92	/	/	20.12	/	/	<=30	Pass
		Outer_Full	25.80	/	/	23.00	/	/	<=30	Pass
		Inner_Full	26.31	/	/	23.51	/	/	<=30	Pass
		Inner_1RB_Left	26.15	/	/	23.35	/	/	<=30	Pass
		Inner_1RB_Right	26.15	/	/	23.35	/	/	<=30	Pass
	3510	Edge_1RB_Left	22.98	/	/	20.18	/	/	<=30	Pass
		Edge_1RB_Right	22.93	/	/	20.13	/	/	<=30	Pass
		Outer_Full	25.85	/	/	23.05	/	/	<=30	Pass
		Inner_Full	26.33	/	/	23.53	/	/	<=30	Pass
		Inner_1RB_Left	26.24	/	/	23.44	/	/	<=30	Pass
		Inner_1RB_Right	26.22	/	/	23.42	/	/	<=30	Pass
DFT-s-OFDM QPSK	3490.02	Edge_1RB_Left	22.94	/	/	20.14	/	/	<=30	Pass
		Edge_1RB_Right	22.97	/	/	20.17	/	/	<=30	Pass
		Outer_Full	25.48	/	/	22.68	/	/	<=30	Pass
		Inner_Full	26.36	/	/	23.56	/	/	<=30	Pass
		Inner_1RB_Left	26.25	/	/	23.45	/	/	<=30	Pass
		Inner_1RB_Right	26.17	/	/	23.37	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.97	/	/	20.17	/	/	<=30	Pass
		Edge_1RB_Right	22.97	/	/	20.17	/	/	<=30	Pass
		Outer_Full	25.49	/	/	22.69	/	/	<=30	Pass
		Inner_Full	26.36	/	/	23.56	/	/	<=30	Pass
		Inner_1RB_Left	26.27	/	/	23.47	/	/	<=30	Pass
		Inner_1RB_Right	26.21	/	/	23.41	/	/	<=30	Pass
	3510	Edge_1RB_Left	23.01	/	/	20.21	/	/	<=30	Pass
		Edge_1RB_Right	23.00	/	/	20.20	/	/	<=30	Pass
		Outer_Full	25.49	/	/	22.69	/	/	<=30	Pass
		Inner_Full	26.24	/	/	23.44	/	/	<=30	Pass
		Inner_1RB_Left	26.25	/	/	23.45	/	/	<=30	Pass
		Inner_1RB_Right	26.27	/	/	23.47	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3490.02	Edge_1RB_Left	22.82	/	/	20.02	/	/	<=30	Pass
		Edge_1RB_Right	22.90	/	/	20.10	/	/	<=30	Pass
		Outer_Full	24.50	/	/	21.70	/	/	<=30	Pass
		Inner_Full	25.50	/	/	22.70	/	/	<=30	Pass
		Inner_1RB_Left	25.44	/	/	22.64	/	/	<=30	Pass

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		Inner_1RB_Right	25.36	/	/	22.56	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.89	/	/	20.09	/	/	<=30	Pass
		Edge_1RB_Right	22.75	/	/	19.95	/	/	<=30	Pass
		Outer_Full	24.44	/	/	21.64	/	/	<=30	Pass
		Inner_Full	25.44	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Left	25.24	/	/	22.44	/	/	<=30	Pass
		Inner_1RB_Right	25.19	/	/	22.39	/	/	<=30	Pass
	3510	Edge_1RB_Left	22.89	/	/	20.09	/	/	<=30	Pass
		Edge_1RB_Right	22.90	/	/	20.10	/	/	<=30	Pass
		Outer_Full	24.48	/	/	21.68	/	/	<=30	Pass
		Inner_Full	25.47	/	/	22.67	/	/	<=30	Pass
		Inner_1RB_Left	25.33	/	/	22.53	/	/	<=30	Pass
		Inner_1RB_Right	25.36	/	/	22.56	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3490.02	Edge_1RB_Left	22.94	/	/	20.14	/	/	<=30	Pass
		Edge_1RB_Right	22.90	/	/	20.10	/	/	<=30	Pass
		Outer_Full	23.97	/	/	21.17	/	/	<=30	Pass
		Inner_Full	23.98	/	/	21.18	/	/	<=30	Pass
		Inner_1RB_Left	23.97	/	/	21.17	/	/	<=30	Pass
		Inner_1RB_Right	23.96	/	/	21.16	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.94	/	/	20.14	/	/	<=30	Pass
		Edge_1RB_Right	22.99	/	/	20.19	/	/	<=30	Pass
		Outer_Full	24.02	/	/	21.22	/	/	<=30	Pass
		Inner_Full	23.98	/	/	21.18	/	/	<=30	Pass
		Inner_1RB_Left	23.91	/	/	21.11	/	/	<=30	Pass
		Inner_1RB_Right	23.96	/	/	21.16	/	/	<=30	Pass
	3510	Edge_1RB_Left	23.06	/	/	20.26	/	/	<=30	Pass
		Edge_1RB_Right	22.97	/	/	20.17	/	/	<=30	Pass
		Outer_Full	23.97	/	/	21.17	/	/	<=30	Pass
		Inner_Full	24.05	/	/	21.25	/	/	<=30	Pass
		Inner_1RB_Left	23.98	/	/	21.18	/	/	<=30	Pass
		Inner_1RB_Right	23.93	/	/	21.13	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3490.02	Edge_1RB_Left	21.92	/	/	19.12	/	/	<=30	Pass
		Edge_1RB_Right	21.88	/	/	19.08	/	/	<=30	Pass
		Outer_Full	22.01	/	/	19.21	/	/	<=30	Pass
		Inner_Full	22.05	/	/	19.25	/	/	<=30	Pass
		Inner_1RB_Left	21.97	/	/	19.17	/	/	<=30	Pass
		Inner_1RB_Right	21.90	/	/	19.10	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.95	/	/	19.15	/	/	<=30	Pass
		Edge_1RB_Right	21.90	/	/	19.10	/	/	<=30	Pass
		Outer_Full	21.98	/	/	19.18	/	/	<=30	Pass
		Inner_Full	22.05	/	/	19.25	/	/	<=30	Pass
		Inner_1RB_Left	21.96	/	/	19.16	/	/	<=30	Pass
		Inner_1RB_Right	21.94	/	/	19.14	/	/	<=30	Pass
	3510	Edge_1RB_Left	21.94	/	/	19.14	/	/	<=30	Pass
		Edge_1RB_Right	21.92	/	/	19.12	/	/	<=30	Pass
		Outer_Full	22.02	/	/	19.22	/	/	<=30	Pass
		Inner_Full	22.02	/	/	19.22	/	/	<=30	Pass
		Inner_1RB_Left	21.95	/	/	19.15	/	/	<=30	Pass
		Inner_1RB_Right	21.89	/	/	19.09	/	/	<=30	Pass

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CP-OFDM QPSK	3490.02	Edge_1RB_Left	22.89	/	/	20.09	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	20.05	/	/	<=30	Pass
		Outer_Full	23.52	/	/	20.72	/	/	<=30	Pass
		Inner_Full	25.00	/	/	22.20	/	/	<=30	Pass
		Inner_1RB_Left	24.90	/	/	22.10	/	/	<=30	Pass
		Inner_1RB_Right	24.74	/	/	21.94	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.93	/	/	20.13	/	/	<=30	Pass
		Edge_1RB_Right	22.86	/	/	20.06	/	/	<=30	Pass
		Outer_Full	23.51	/	/	20.71	/	/	<=30	Pass
		Inner_Full	24.96	/	/	22.16	/	/	<=30	Pass
		Inner_1RB_Left	24.76	/	/	21.96	/	/	<=30	Pass
		Inner_1RB_Right	24.83	/	/	22.03	/	/	<=30	Pass
	3510	Edge_1RB_Left	22.88	/	/	20.08	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	20.04	/	/	<=30	Pass
		Outer_Full	23.51	/	/	20.71	/	/	<=30	Pass
		Inner_Full	25.01	/	/	22.21	/	/	<=30	Pass
		Inner_1RB_Left	25.04	/	/	22.24	/	/	<=30	Pass
		Inner_1RB_Right	24.99	/	/	22.19	/	/	<=30	Pass
CP-OFDM 16 QAM	3490.02	Edge_1RB_Left	22.84	/	/	20.04	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	20.04	/	/	<=30	Pass
		Outer_Full	23.47	/	/	20.67	/	/	<=30	Pass
		Inner_Full	24.49	/	/	21.69	/	/	<=30	Pass
		Inner_1RB_Left	24.35	/	/	21.55	/	/	<=30	Pass
		Inner_1RB_Right	24.41	/	/	21.61	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.89	/	/	20.09	/	/	<=30	Pass
		Edge_1RB_Right	22.81	/	/	20.01	/	/	<=30	Pass
		Outer_Full	23.51	/	/	20.71	/	/	<=30	Pass
		Inner_Full	24.49	/	/	21.69	/	/	<=30	Pass
		Inner_1RB_Left	24.41	/	/	21.61	/	/	<=30	Pass
		Inner_1RB_Right	24.36	/	/	21.56	/	/	<=30	Pass
	3510	Edge_1RB_Left	22.92	/	/	20.12	/	/	<=30	Pass
		Edge_1RB_Right	22.79	/	/	19.99	/	/	<=30	Pass
		Outer_Full	23.47	/	/	20.67	/	/	<=30	Pass
		Inner_Full	24.52	/	/	21.72	/	/	<=30	Pass
		Inner_1RB_Left	24.38	/	/	21.58	/	/	<=30	Pass
		Inner_1RB_Right	24.33	/	/	21.53	/	/	<=30	Pass
CP-OFDM 64 QAM	3490.02	Edge_1RB_Left	23.05	/	/	20.25	/	/	<=30	Pass
		Edge_1RB_Right	22.93	/	/	20.13	/	/	<=30	Pass
		Outer_Full	22.97	/	/	20.17	/	/	<=30	Pass
		Inner_Full	23.03	/	/	20.23	/	/	<=30	Pass
		Inner_1RB_Left	22.97	/	/	20.17	/	/	<=30	Pass
		Inner_1RB_Right	22.93	/	/	20.13	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	23.07	/	/	20.27	/	/	<=30	Pass
		Edge_1RB_Right	22.97	/	/	20.17	/	/	<=30	Pass
		Outer_Full	23.00	/	/	20.20	/	/	<=30	Pass
		Inner_Full	23.01	/	/	20.21	/	/	<=30	Pass
		Inner_1RB_Left	23.05	/	/	20.25	/	/	<=30	Pass
		Inner_1RB_Right	22.87	/	/	20.07	/	/	<=30	Pass
	3510	Edge_1RB_Left	23.02	/	/	20.22	/	/	<=30	Pass

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		Edge_1RB_Right	23.08	/	/	20.28	/	/	<=30	Pass
		Outer_Full	22.96	/	/	20.16	/	/	<=30	Pass
		Inner_Full	22.99	/	/	20.19	/	/	<=30	Pass
		Inner_1RB_Left	22.92	/	/	20.12	/	/	<=30	Pass
		Inner_1RB_Right	22.95	/	/	20.15	/	/	<=30	Pass
CP-OFDM 256 QAM	3490.02	Edge_1RB_Left	19.98	/	/	17.18	/	/	<=30	Pass
		Edge_1RB_Right	19.97	/	/	17.17	/	/	<=30	Pass
		Outer_Full	20.01	/	/	17.21	/	/	<=30	Pass
		Inner_Full	20.06	/	/	17.26	/	/	<=30	Pass
		Inner_1RB_Left	20.02	/	/	17.22	/	/	<=30	Pass
		Inner_1RB_Right	19.99	/	/	17.19	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	20.01	/	/	17.21	/	/	<=30	Pass
		Edge_1RB_Right	19.96	/	/	17.16	/	/	<=30	Pass
		Outer_Full	20.02	/	/	17.22	/	/	<=30	Pass
		Inner_Full	20.05	/	/	17.25	/	/	<=30	Pass
		Inner_1RB_Left	20.03	/	/	17.23	/	/	<=30	Pass
		Inner_1RB_Right	19.99	/	/	17.19	/	/	<=30	Pass
	3510	Edge_1RB_Left	20.05	/	/	17.25	/	/	<=30	Pass
		Edge_1RB_Right	19.98	/	/	17.18	/	/	<=30	Pass
		Outer_Full	20.00	/	/	17.20	/	/	<=30	Pass
		Inner_Full	20.01	/	/	17.21	/	/	<=30	Pass
		Inner_1RB_Left	20.03	/	/	17.23	/	/	<=30	Pass
		Inner_1RB_Right	19.97	/	/	17.17	/	/	<=30	Pass

Note1: Antenna Gain: Ant5: -2.80dBi;
Note2: EIRP=Conducted Power+Antenna Gain

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1.18 30k_SISO_90MHz_NTNV_EIRP

1.18.1 Test Result

5G NR n77d SCS=30kHz SISO 90MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3495	Edge_1RB_Left	22.96	/	/	20.16	/	/	<=30	Pass
		Edge_1RB_Right	22.98	/	/	20.18	/	/	<=30	Pass
		Outer_Full	25.44	/	/	22.64	/	/	<=30	Pass
		Inner_Full	26.29	/	/	23.49	/	/	<=30	Pass
		Inner_1RB_Left	26.29	/	/	23.49	/	/	<=30	Pass
		Inner_1RB_Right	26.19	/	/	23.39	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.90	/	/	20.10	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	20.04	/	/	<=30	Pass
		Outer_Full	25.79	/	/	22.99	/	/	<=30	Pass
		Inner_Full	26.37	/	/	23.57	/	/	<=30	Pass
		Inner_1RB_Left	26.19	/	/	23.39	/	/	<=30	Pass
		Inner_1RB_Right	26.12	/	/	23.32	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	22.89	/	/	20.09	/	/	<=30	Pass
		Edge_1RB_Right	22.82	/	/	20.02	/	/	<=30	Pass
		Outer_Full	25.85	/	/	23.05	/	/	<=30	Pass
		Inner_Full	26.41	/	/	23.61	/	/	<=30	Pass
		Inner_1RB_Left	26.18	/	/	23.38	/	/	<=30	Pass
		Inner_1RB_Right	26.10	/	/	23.30	/	/	<=30	Pass
DFT-s-OFDM QPSK	3495	Edge_1RB_Left	22.93	/	/	20.13	/	/	<=30	Pass
		Edge_1RB_Right	22.99	/	/	20.19	/	/	<=30	Pass
		Outer_Full	25.44	/	/	22.64	/	/	<=30	Pass
		Inner_Full	26.31	/	/	23.51	/	/	<=30	Pass
		Inner_1RB_Left	26.19	/	/	23.39	/	/	<=30	Pass
		Inner_1RB_Right	26.18	/	/	23.38	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.91	/	/	20.11	/	/	<=30	Pass
		Edge_1RB_Right	22.86	/	/	20.06	/	/	<=30	Pass
		Outer_Full	25.49	/	/	22.69	/	/	<=30	Pass
		Inner_Full	26.24	/	/	23.44	/	/	<=30	Pass
		Inner_1RB_Left	26.25	/	/	23.45	/	/	<=30	Pass
		Inner_1RB_Right	26.18	/	/	23.38	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	22.92	/	/	20.12	/	/	<=30	Pass
		Edge_1RB_Right	22.83	/	/	20.03	/	/	<=30	Pass
		Outer_Full	25.52	/	/	22.72	/	/	<=30	Pass
		Inner_Full	26.33	/	/	23.53	/	/	<=30	Pass
		Inner_1RB_Left	26.26	/	/	23.46	/	/	<=30	Pass
		Inner_1RB_Right	26.10	/	/	23.30	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3495	Edge_1RB_Left	22.78	/	/	19.98	/	/	<=30	Pass
		Edge_1RB_Right	22.76	/	/	19.96	/	/	<=30	Pass
		Outer_Full	24.44	/	/	21.64	/	/	<=30	Pass
		Inner_Full	25.40	/	/	22.60	/	/	<=30	Pass
		Inner_1RB_Left	25.26	/	/	22.46	/	/	<=30	Pass

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		Inner_1RB_Right	25.32	/	/	22.52	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.76	/	/	19.96	/	/	<=30	Pass
		Edge_1RB_Right	22.66	/	/	19.86	/	/	<=30	Pass
		Outer_Full	24.47	/	/	21.67	/	/	<=30	Pass
		Inner_Full	25.47	/	/	22.67	/	/	<=30	Pass
		Inner_1RB_Left	25.40	/	/	22.60	/	/	<=30	Pass
		Inner_1RB_Right	25.22	/	/	22.42	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	22.81	/	/	20.01	/	/	<=30	Pass
		Edge_1RB_Right	22.71	/	/	19.91	/	/	<=30	Pass
		Outer_Full	24.51	/	/	21.71	/	/	<=30	Pass
		Inner_Full	25.53	/	/	22.73	/	/	<=30	Pass
		Inner_1RB_Left	25.40	/	/	22.60	/	/	<=30	Pass
		Inner_1RB_Right	25.21	/	/	22.41	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3495	Edge_1RB_Left	22.90	/	/	20.10	/	/	<=30	Pass
		Edge_1RB_Right	22.90	/	/	20.10	/	/	<=30	Pass
		Outer_Full	23.95	/	/	21.15	/	/	<=30	Pass
		Inner_Full	23.93	/	/	21.13	/	/	<=30	Pass
		Inner_1RB_Left	23.93	/	/	21.13	/	/	<=30	Pass
		Inner_1RB_Right	23.97	/	/	21.17	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.94	/	/	20.14	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	20.05	/	/	<=30	Pass
		Outer_Full	23.97	/	/	21.17	/	/	<=30	Pass
		Inner_Full	23.98	/	/	21.18	/	/	<=30	Pass
		Inner_1RB_Left	23.95	/	/	21.15	/	/	<=30	Pass
		Inner_1RB_Right	23.89	/	/	21.09	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	22.96	/	/	20.16	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	20.05	/	/	<=30	Pass
		Outer_Full	24.06	/	/	21.26	/	/	<=30	Pass
		Inner_Full	24.02	/	/	21.22	/	/	<=30	Pass
		Inner_1RB_Left	23.86	/	/	21.06	/	/	<=30	Pass
		Inner_1RB_Right	23.76	/	/	20.96	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3495	Edge_1RB_Left	21.86	/	/	19.06	/	/	<=30	Pass
		Edge_1RB_Right	21.87	/	/	19.07	/	/	<=30	Pass
		Outer_Full	21.96	/	/	19.16	/	/	<=30	Pass
		Inner_Full	21.95	/	/	19.15	/	/	<=30	Pass
		Inner_1RB_Left	21.87	/	/	19.07	/	/	<=30	Pass
		Inner_1RB_Right	21.90	/	/	19.10	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.84	/	/	19.04	/	/	<=30	Pass
		Edge_1RB_Right	21.77	/	/	18.97	/	/	<=30	Pass
		Outer_Full	22.00	/	/	19.20	/	/	<=30	Pass
		Inner_Full	22.00	/	/	19.20	/	/	<=30	Pass
		Inner_1RB_Left	21.84	/	/	19.04	/	/	<=30	Pass
		Inner_1RB_Right	21.79	/	/	18.99	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	21.88	/	/	19.08	/	/	<=30	Pass
		Edge_1RB_Right	21.78	/	/	18.98	/	/	<=30	Pass
		Outer_Full	22.06	/	/	19.26	/	/	<=30	Pass
		Inner_Full	22.06	/	/	19.26	/	/	<=30	Pass
		Inner_1RB_Left	21.89	/	/	19.09	/	/	<=30	Pass
		Inner_1RB_Right	21.73	/	/	18.93	/	/	<=30	Pass

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CP-OFDM QPSK	3495	Edge_1RB_Left	22.82	/	/	20.02	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	20.05	/	/	<=30	Pass
		Outer_Full	23.44	/	/	20.64	/	/	<=30	Pass
		Inner_Full	24.87	/	/	22.07	/	/	<=30	Pass
		Inner_1RB_Left	24.78	/	/	21.98	/	/	<=30	Pass
		Inner_1RB_Right	24.76	/	/	21.96	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.83	/	/	20.03	/	/	<=30	Pass
		Edge_1RB_Right	22.74	/	/	19.94	/	/	<=30	Pass
		Outer_Full	23.46	/	/	20.66	/	/	<=30	Pass
		Inner_Full	24.97	/	/	22.17	/	/	<=30	Pass
		Inner_1RB_Left	24.78	/	/	21.98	/	/	<=30	Pass
		Inner_1RB_Right	24.70	/	/	21.90	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	22.84	/	/	20.04	/	/	<=30	Pass
		Edge_1RB_Right	22.74	/	/	19.94	/	/	<=30	Pass
		Outer_Full	23.50	/	/	20.70	/	/	<=30	Pass
		Inner_Full	25.01	/	/	22.21	/	/	<=30	Pass
		Inner_1RB_Left	24.77	/	/	21.97	/	/	<=30	Pass
		Inner_1RB_Right	24.63	/	/	21.83	/	/	<=30	Pass
CP-OFDM 16 QAM	3495	Edge_1RB_Left	22.78	/	/	19.98	/	/	<=30	Pass
		Edge_1RB_Right	22.89	/	/	20.09	/	/	<=30	Pass
		Outer_Full	23.43	/	/	20.63	/	/	<=30	Pass
		Inner_Full	24.40	/	/	21.60	/	/	<=30	Pass
		Inner_1RB_Left	24.35	/	/	21.55	/	/	<=30	Pass
		Inner_1RB_Right	24.34	/	/	21.54	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.89	/	/	20.09	/	/	<=30	Pass
		Edge_1RB_Right	22.78	/	/	19.98	/	/	<=30	Pass
		Outer_Full	23.44	/	/	20.64	/	/	<=30	Pass
		Inner_Full	24.47	/	/	21.67	/	/	<=30	Pass
		Inner_1RB_Left	24.32	/	/	21.52	/	/	<=30	Pass
		Inner_1RB_Right	24.22	/	/	21.42	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	22.89	/	/	20.09	/	/	<=30	Pass
		Edge_1RB_Right	22.72	/	/	19.92	/	/	<=30	Pass
		Outer_Full	23.50	/	/	20.70	/	/	<=30	Pass
		Inner_Full	24.53	/	/	21.73	/	/	<=30	Pass
		Inner_1RB_Left	24.34	/	/	21.54	/	/	<=30	Pass
		Inner_1RB_Right	24.16	/	/	21.36	/	/	<=30	Pass
CP-OFDM 64 QAM	3495	Edge_1RB_Left	23.00	/	/	20.20	/	/	<=30	Pass
		Edge_1RB_Right	22.93	/	/	20.13	/	/	<=30	Pass
		Outer_Full	22.95	/	/	20.15	/	/	<=30	Pass
		Inner_Full	22.92	/	/	20.12	/	/	<=30	Pass
		Inner_1RB_Left	22.96	/	/	20.16	/	/	<=30	Pass
		Inner_1RB_Right	22.99	/	/	20.19	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.97	/	/	20.17	/	/	<=30	Pass
		Edge_1RB_Right	22.92	/	/	20.12	/	/	<=30	Pass
		Outer_Full	22.96	/	/	20.16	/	/	<=30	Pass
		Inner_Full	22.93	/	/	20.13	/	/	<=30	Pass
		Inner_1RB_Left	22.84	/	/	20.04	/	/	<=30	Pass
		Inner_1RB_Right	22.78	/	/	19.98	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	23.06	/	/	20.26	/	/	<=30	Pass

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		Edge_1RB_Right	22.98	/	/	20.18	/	/	<=30	Pass
		Outer_Full	23.00	/	/	20.20	/	/	<=30	Pass
		Inner_Full	23.02	/	/	20.22	/	/	<=30	Pass
		Inner_1RB_Left	23.02	/	/	20.22	/	/	<=30	Pass
		Inner_1RB_Right	22.82	/	/	20.02	/	/	<=30	Pass
CP-OFDM 256 QAM	3495	Edge_1RB_Left	19.90	/	/	17.10	/	/	<=30	Pass
		Edge_1RB_Right	19.92	/	/	17.12	/	/	<=30	Pass
		Outer_Full	19.98	/	/	17.18	/	/	<=30	Pass
		Inner_Full	19.92	/	/	17.12	/	/	<=30	Pass
		Inner_1RB_Left	19.97	/	/	17.17	/	/	<=30	Pass
		Inner_1RB_Right	19.92	/	/	17.12	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.91	/	/	17.11	/	/	<=30	Pass
		Edge_1RB_Right	19.85	/	/	17.05	/	/	<=30	Pass
		Outer_Full	19.93	/	/	17.13	/	/	<=30	Pass
		Inner_Full	19.97	/	/	17.17	/	/	<=30	Pass
		Inner_1RB_Left	19.90	/	/	17.10	/	/	<=30	Pass
		Inner_1RB_Right	19.84	/	/	17.04	/	/	<=30	Pass
	3504.99	Edge_1RB_Left	19.97	/	/	17.17	/	/	<=30	Pass
		Edge_1RB_Right	19.86	/	/	17.06	/	/	<=30	Pass
		Outer_Full	20.01	/	/	17.21	/	/	<=30	Pass
		Inner_Full	20.04	/	/	17.24	/	/	<=30	Pass
		Inner_1RB_Left	19.96	/	/	17.16	/	/	<=30	Pass
		Inner_1RB_Right	19.86	/	/	17.06	/	/	<=30	Pass

Note1: Antenna Gain: Ant5: -2.80dBi;
Note2: EIRP=Conducted Power+Antenna Gain

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1.19 30k_SISO_100MHz_NTNV_EIRP

1.19.1 Test Result

5G NR n77d SCS=30kHz SISO 100MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Edge_1RB_Left	22.91	/	/	20.11	/	/	<=30	Pass
		Edge_1RB_Right	22.86	/	/	20.06	/	/	<=30	Pass
		Outer_Full	25.40	/	/	22.60	/	/	<=30	Pass
		Inner_Full	26.27	/	/	23.47	/	/	<=30	Pass
		Inner_1RB_Left	26.16	/	/	23.36	/	/	<=30	Pass
		Inner_1RB_Right	26.14	/	/	23.34	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.82	/	/	20.02	/	/	<=30	Pass
		Edge_1RB_Right	22.75	/	/	19.95	/	/	<=30	Pass
		Outer_Full	25.75	/	/	22.95	/	/	<=30	Pass
		Inner_Full	26.33	/	/	23.53	/	/	<=30	Pass
		Inner_1RB_Left	26.11	/	/	23.31	/	/	<=30	Pass
		Inner_1RB_Right	26.12	/	/	23.32	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.75	/	/	19.95	/	/	<=30	Pass
		Edge_1RB_Right	22.74	/	/	19.94	/	/	<=30	Pass
		Outer_Full	25.85	/	/	23.05	/	/	<=30	Pass
		Inner_Full	26.27	/	/	23.47	/	/	<=30	Pass
		Inner_1RB_Left	26.08	/	/	23.28	/	/	<=30	Pass
		Inner_1RB_Right	26.03	/	/	23.23	/	/	<=30	Pass
DFT-s-OFDM QPSK	3500.01	Edge_1RB_Left	22.90	/	/	20.10	/	/	<=30	Pass
		Edge_1RB_Right	22.74	/	/	19.94	/	/	<=30	Pass
		Outer_Full	25.38	/	/	22.58	/	/	<=30	Pass
		Inner_Full	26.23	/	/	23.43	/	/	<=30	Pass
		Inner_1RB_Left	26.17	/	/	23.37	/	/	<=30	Pass
		Inner_1RB_Right	26.00	/	/	23.20	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.85	/	/	20.05	/	/	<=30	Pass
		Edge_1RB_Right	22.82	/	/	20.02	/	/	<=30	Pass
		Outer_Full	25.38	/	/	22.58	/	/	<=30	Pass
		Inner_Full	26.29	/	/	23.49	/	/	<=30	Pass
		Inner_1RB_Left	26.14	/	/	23.34	/	/	<=30	Pass
		Inner_1RB_Right	26.15	/	/	23.35	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.88	/	/	20.08	/	/	<=30	Pass
		Edge_1RB_Right	22.80	/	/	20.00	/	/	<=30	Pass
		Outer_Full	25.38	/	/	22.58	/	/	<=30	Pass
		Inner_Full	26.24	/	/	23.44	/	/	<=30	Pass
		Inner_1RB_Left	26.13	/	/	23.33	/	/	<=30	Pass
		Inner_1RB_Right	26.09	/	/	23.29	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3500.01	Edge_1RB_Left	22.76	/	/	19.96	/	/	<=30	Pass
		Edge_1RB_Right	22.72	/	/	19.92	/	/	<=30	Pass
		Outer_Full	24.39	/	/	21.59	/	/	<=30	Pass
		Inner_Full	25.43	/	/	22.63	/	/	<=30	Pass
		Inner_1RB_Left	25.33	/	/	22.53	/	/	<=30	Pass

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		Inner_1RB_Right	25.16	/	/	22.36	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.78	/	/	19.98	/	/	<=30	Pass
		Edge_1RB_Right	22.70	/	/	19.90	/	/	<=30	Pass
		Outer_Full	24.42	/	/	21.62	/	/	<=30	Pass
		Inner_Full	25.43	/	/	22.63	/	/	<=30	Pass
		Inner_1RB_Left	25.30	/	/	22.50	/	/	<=30	Pass
		Inner_1RB_Right	25.22	/	/	22.42	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.67	/	/	19.87	/	/	<=30	Pass
		Edge_1RB_Right	22.67	/	/	19.87	/	/	<=30	Pass
		Outer_Full	24.35	/	/	21.55	/	/	<=30	Pass
		Inner_Full	25.39	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Left	25.16	/	/	22.36	/	/	<=30	Pass
		Inner_1RB_Right	25.26	/	/	22.46	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3500.01	Edge_1RB_Left	22.83	/	/	20.03	/	/	<=30	Pass
		Edge_1RB_Right	22.76	/	/	19.96	/	/	<=30	Pass
		Outer_Full	23.94	/	/	21.14	/	/	<=30	Pass
		Inner_Full	23.99	/	/	21.19	/	/	<=30	Pass
		Inner_1RB_Left	23.84	/	/	21.04	/	/	<=30	Pass
		Inner_1RB_Right	23.77	/	/	20.97	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.83	/	/	20.03	/	/	<=30	Pass
		Edge_1RB_Right	22.79	/	/	19.99	/	/	<=30	Pass
		Outer_Full	23.94	/	/	21.14	/	/	<=30	Pass
		Inner_Full	23.96	/	/	21.16	/	/	<=30	Pass
		Inner_1RB_Left	23.90	/	/	21.10	/	/	<=30	Pass
		Inner_1RB_Right	23.80	/	/	21.00	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.85	/	/	20.05	/	/	<=30	Pass
		Edge_1RB_Right	22.79	/	/	19.99	/	/	<=30	Pass
		Outer_Full	23.90	/	/	21.10	/	/	<=30	Pass
		Inner_Full	23.95	/	/	21.15	/	/	<=30	Pass
		Inner_1RB_Left	23.90	/	/	21.10	/	/	<=30	Pass
		Inner_1RB_Right	23.73	/	/	20.93	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3500.01	Edge_1RB_Left	21.84	/	/	19.04	/	/	<=30	Pass
		Edge_1RB_Right	21.78	/	/	18.98	/	/	<=30	Pass
		Outer_Full	21.95	/	/	19.15	/	/	<=30	Pass
		Inner_Full	22.00	/	/	19.20	/	/	<=30	Pass
		Inner_1RB_Left	21.86	/	/	19.06	/	/	<=30	Pass
		Inner_1RB_Right	21.82	/	/	19.02	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.80	/	/	19.00	/	/	<=30	Pass
		Edge_1RB_Right	21.72	/	/	18.92	/	/	<=30	Pass
		Outer_Full	21.95	/	/	19.15	/	/	<=30	Pass
		Inner_Full	21.96	/	/	19.16	/	/	<=30	Pass
		Inner_1RB_Left	21.75	/	/	18.95	/	/	<=30	Pass
		Inner_1RB_Right	21.74	/	/	18.94	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	21.76	/	/	18.96	/	/	<=30	Pass
		Edge_1RB_Right	21.73	/	/	18.93	/	/	<=30	Pass
		Outer_Full	21.93	/	/	19.13	/	/	<=30	Pass
		Inner_Full	21.94	/	/	19.14	/	/	<=30	Pass
		Inner_1RB_Left	21.77	/	/	18.97	/	/	<=30	Pass
		Inner_1RB_Right	21.72	/	/	18.92	/	/	<=30	Pass

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CP-OFDM QPSK	3500.01	Edge_1RB_Left	22.79	/	/	19.99	/	/	<=30	Pass
		Edge_1RB_Right	22.73	/	/	19.93	/	/	<=30	Pass
		Outer_Full	23.41	/	/	20.61	/	/	<=30	Pass
		Inner_Full	24.96	/	/	22.16	/	/	<=30	Pass
		Inner_1RB_Left	24.70	/	/	21.90	/	/	<=30	Pass
		Inner_1RB_Right	24.62	/	/	21.82	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.76	/	/	19.96	/	/	<=30	Pass
		Edge_1RB_Right	22.76	/	/	19.96	/	/	<=30	Pass
		Outer_Full	23.43	/	/	20.63	/	/	<=30	Pass
		Inner_Full	24.87	/	/	22.07	/	/	<=30	Pass
		Inner_1RB_Left	24.66	/	/	21.86	/	/	<=30	Pass
		Inner_1RB_Right	24.67	/	/	21.87	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.70	/	/	19.90	/	/	<=30	Pass
		Edge_1RB_Right	22.66	/	/	19.86	/	/	<=30	Pass
		Outer_Full	23.37	/	/	20.57	/	/	<=30	Pass
		Inner_Full	24.89	/	/	22.09	/	/	<=30	Pass
		Inner_1RB_Left	24.74	/	/	21.94	/	/	<=30	Pass
		Inner_1RB_Right	24.69	/	/	21.89	/	/	<=30	Pass
CP-OFDM 16 QAM	3500.01	Edge_1RB_Left	22.73	/	/	19.93	/	/	<=30	Pass
		Edge_1RB_Right	22.69	/	/	19.89	/	/	<=30	Pass
		Outer_Full	23.42	/	/	20.62	/	/	<=30	Pass
		Inner_Full	24.38	/	/	21.58	/	/	<=30	Pass
		Inner_1RB_Left	24.35	/	/	21.55	/	/	<=30	Pass
		Inner_1RB_Right	24.20	/	/	21.40	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.68	/	/	19.88	/	/	<=30	Pass
		Edge_1RB_Right	22.70	/	/	19.90	/	/	<=30	Pass
		Outer_Full	23.41	/	/	20.61	/	/	<=30	Pass
		Inner_Full	24.39	/	/	21.59	/	/	<=30	Pass
		Inner_1RB_Left	24.17	/	/	21.37	/	/	<=30	Pass
		Inner_1RB_Right	24.13	/	/	21.33	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.78	/	/	19.98	/	/	<=30	Pass
		Edge_1RB_Right	22.66	/	/	19.86	/	/	<=30	Pass
		Outer_Full	23.34	/	/	20.54	/	/	<=30	Pass
		Inner_Full	24.38	/	/	21.58	/	/	<=30	Pass
		Inner_1RB_Left	24.16	/	/	21.36	/	/	<=30	Pass
		Inner_1RB_Right	24.16	/	/	21.36	/	/	<=30	Pass
CP-OFDM 64 QAM	3500.01	Edge_1RB_Left	22.99	/	/	20.19	/	/	<=30	Pass
		Edge_1RB_Right	22.77	/	/	19.97	/	/	<=30	Pass
		Outer_Full	22.88	/	/	20.08	/	/	<=30	Pass
		Inner_Full	22.94	/	/	20.14	/	/	<=30	Pass
		Inner_1RB_Left	22.93	/	/	20.13	/	/	<=30	Pass
		Inner_1RB_Right	22.83	/	/	20.03	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.92	/	/	20.12	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	20.05	/	/	<=30	Pass
		Outer_Full	22.91	/	/	20.11	/	/	<=30	Pass
		Inner_Full	22.94	/	/	20.14	/	/	<=30	Pass
		Inner_1RB_Left	22.87	/	/	20.07	/	/	<=30	Pass
		Inner_1RB_Right	22.74	/	/	19.94	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.93	/	/	20.13	/	/	<=30	Pass

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		Edge_1RB_Right	22.80	/	/	20.00	/	/	<=30	Pass
		Outer_Full	22.87	/	/	20.07	/	/	<=30	Pass
		Inner_Full	22.90	/	/	20.10	/	/	<=30	Pass
		Inner_1RB_Left	22.85	/	/	20.05	/	/	<=30	Pass
		Inner_1RB_Right	22.79	/	/	19.99	/	/	<=30	Pass
CP-OFDM 256 QAM	3500.01	Edge_1RB_Left	19.91	/	/	17.11	/	/	<=30	Pass
		Edge_1RB_Right	19.82	/	/	17.02	/	/	<=30	Pass
		Outer_Full	19.90	/	/	17.10	/	/	<=30	Pass
		Inner_Full	19.98	/	/	17.18	/	/	<=30	Pass
		Inner_1RB_Left	19.88	/	/	17.08	/	/	<=30	Pass
		Inner_1RB_Right	19.86	/	/	17.06	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.82	/	/	17.02	/	/	<=30	Pass
		Edge_1RB_Right	19.80	/	/	17.00	/	/	<=30	Pass
		Outer_Full	19.89	/	/	17.09	/	/	<=30	Pass
		Inner_Full	19.98	/	/	17.18	/	/	<=30	Pass
		Inner_1RB_Left	19.82	/	/	17.02	/	/	<=30	Pass
		Inner_1RB_Right	19.82	/	/	17.02	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	19.87	/	/	17.07	/	/	<=30	Pass
		Edge_1RB_Right	19.80	/	/	17.00	/	/	<=30	Pass
		Outer_Full	19.90	/	/	17.10	/	/	<=30	Pass
		Inner_Full	19.98	/	/	17.18	/	/	<=30	Pass
		Inner_1RB_Left	19.88	/	/	17.08	/	/	<=30	Pass
		Inner_1RB_Right	19.85	/	/	17.05	/	/	<=30	Pass

Note1: Antenna Gain: Ant5: -2.80dBi;
Note2: EIRP=Conducted Power+Antenna Gain

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2. Frequency Stability

2.1 15k_SISO_10MHz

2.1.1 Test Result

5G NR n77d SCS=15kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3499.995	Outer_Full	20	LV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
				HV	3.80	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3499.995	Outer_Full	20	LV	8.80	0.0025	>=-2.5 & <=2.5	Pass
				HV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	5.10	0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3499.995	Outer_Full	20	LV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-10.00	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-3.70	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3499.995	Outer_Full	20	LV	1.50	0.0004	>=-2.5 & <=2.5	Pass
				HV	1.10	0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	3.20	0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	4.30	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	5.80	0.0017	>=-2.5 & <=2.5	Pass

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			10	NV	2.10	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	3.80	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	1.00	0.0003	>=-2.5 & <=2.5	Pass
			40	NV	6.30	0.0018	>=-2.5 & <=2.5	Pass
			50	NV	6.20	0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3499.995	Outer_Full	20	LV	2.30	0.0007	>=-2.5 & <=2.5	Pass
				HV	1.90	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	4.20	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	3.20	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	4.70	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	4.50	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	4.40	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	3.00	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	1.70	0.0005	>=-2.5 & <=2.5	Pass
			50	NV	6.40	0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3499.995	Outer_Full	20	LV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3499.995	Outer_Full	20	LV	0.90	0.0003	>=-2.5 & <=2.5	Pass
				HV	1.70	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	6.00	0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	4.70	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			0	NV	4.90	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	2.00	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-0.80	-0.0002	>=-2.5 & <=2.5	Pass
			40	NV	4.20	0.0012	>=-2.5 & <=2.5	Pass
			50	NV	5.90	0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3499.995	Outer_Full	20	LV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	1.30	0.0004	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-1.30	-0.0004	>=-2.5 & <=2.5	Pass
			20	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	1.00	0.0003	>=-2.5 & <=2.5	Pass
			50	NV	3.90	0.0011	>=-2.5 & <=2.5	Pass

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CP-OFDM 256 QAM	3499.995	Outer_Full	20	LV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	8.00	0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	6.60	0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	3.60	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	0.70	0.0002	>=-2.5 & <=2.5	Pass
			20	NV	3.60	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	2.50	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0007	>=-2.5 & <=2.5	Pass
			50	NV	3.10	0.0009	>=-2.5 & <=2.5	Pass

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2.2 15k_SISO_15MHz

2.2.1 Test Result

5G NR n77d SCS=15kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3499.995	Outer_Full	20	LV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
				HV	4.20	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	4.10	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	2.00	0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	5.60	0.0016	>=-2.5 & <=2.5	Pass
			0	NV	4.40	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	4.20	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	3.50	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	2.70	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			50	NV	3.70	0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3499.995	Outer_Full	20	LV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-3.00	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	2.30	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	1.30	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	1.80	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	1.20	0.0003	>=-2.5 & <=2.5	Pass
			10	NV	6.10	0.0017	>=-2.5 & <=2.5	Pass
			20	NV	1.10	0.0003	>=-2.5 & <=2.5	Pass
			30	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	1.50	0.0004	>=-2.5 & <=2.5	Pass
			50	NV	10.90	0.0031	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3499.995	Outer_Full	20	LV	9.30	0.0027	>=-2.5 & <=2.5	Pass
				HV	3.10	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	5.50	0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	4.00	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	1.40	0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-0.50	-0.0001	>=-2.5 & <=2.5	Pass
			30	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	3.10	0.0009	>=-2.5 & <=2.5	Pass
			50	NV	3.20	0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3499.995	Outer_Full	20	LV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
				HV	6.10	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	3.60	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	5.50	0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	3.10	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	3.80	0.0011	>=-2.5 & <=2.5	Pass
			20	NV	6.40	0.0018	>=-2.5 & <=2.5	Pass

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			30	NV	3.80	0.0011	>=-2.5 & <=2.5	Pass
			40	NV	6.00	0.0017	>=-2.5 & <=2.5	Pass
			50	NV	4.90	0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3499.995	Outer_Full	20	LV	-3.00	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-1.60	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3499.995	Outer_Full	20	LV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-1.30	-0.0004	>=-2.5 & <=2.5	Pass
			50	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3499.995	Outer_Full	20	LV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-1.40	-0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-3.00	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3499.995	Outer_Full	20	LV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	2.10	0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	4.30	0.0012	>=-2.5 & <=2.5	Pass
			50	NV	4.40	0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3499.995	Outer_Full	20	LV	-4.10	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-1.30	-0.0004	>=-2.5 & <=2.5	Pass

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			-30	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-4.40	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-3.40	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass

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2.3 15k_SISO_20MHz

2.3.1 Test Result

5G NR n77d SCS=15kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3499.995	Outer_Full	20	LV	1.90	0.0005	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	4.30	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	4.80	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	2.10	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	7.10	0.0020	>=-2.5 & <=2.5	Pass
			30	NV	3.90	0.0011	>=-2.5 & <=2.5	Pass
			40	NV	2.30	0.0007	>=-2.5 & <=2.5	Pass
			50	NV	5.00	0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3499.995	Outer_Full	20	LV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-2.30	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	3.40	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	5.30	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	5.60	0.0016	>=-2.5 & <=2.5	Pass
			50	NV	4.00	0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3499.995	Outer_Full	20	LV	3.80	0.0011	>=-2.5 & <=2.5	Pass
				HV	1.80	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	4.10	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	3.70	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			0	NV	4.80	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	4.80	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	7.00	0.0020	>=-2.5 & <=2.5	Pass
			30	NV	4.20	0.0012	>=-2.5 & <=2.5	Pass
			40	NV	6.50	0.0019	>=-2.5 & <=2.5	Pass
			50	NV	2.00	0.0006	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3499.995	Outer_Full	20	LV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	3.70	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	1.30	0.0004	>=-2.5 & <=2.5	Pass
			0	NV	-1.70	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	2.50	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	4.00	0.0011	>=-2.5 & <=2.5	Pass

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			30	NV	6.00	0.0017	>=-2.5 & <=2.5	Pass
			40	NV	1.00	0.0003	>=-2.5 & <=2.5	Pass
			50	NV	9.60	0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3499.995	Outer_Full	20	LV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3499.995	Outer_Full	20	LV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	6.50	0.0019	>=-2.5 & <=2.5	Pass
			20	NV	4.80	0.0014	>=-2.5 & <=2.5	Pass
			30	NV	3.00	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			50	NV	4.10	0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3499.995	Outer_Full	20	LV	5.10	0.0015	>=-2.5 & <=2.5	Pass
				HV	9.00	0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	2.10	0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	6.00	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-1.60	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	6.20	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	6.00	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	3.00	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	5.70	0.0016	>=-2.5 & <=2.5	Pass
			50	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3499.995	Outer_Full	20	LV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	4.50	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	5.30	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	5.50	0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-3.70	-0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3499.995	Outer_Full	20	LV	3.60	0.0010	>=-2.5 & <=2.5	Pass
				HV	3.20	0.0009	>=-2.5 & <=2.5	Pass

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			-30	NV	4.00	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	4.90	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	2.50	0.0007	>=-2.5 & <=2.5	Pass
			0	NV	3.00	0.0009	>=-2.5 & <=2.5	Pass
			10	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	5.40	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
			50	NV	9.40	0.0027	>=-2.5 & <=2.5	Pass

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2.4 15k_SISO_25MHz

2.4.1 Test Result

5G NR n77d SCS=15kHz SISO 25MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3499.995	Outer_Full	20	LV	3.80	0.0011	>=-2.5 & <=2.5	Pass
				HV	-2.70	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	8.10	0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	6.20	0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	2.40	0.0007	>=-2.5 & <=2.5	Pass
			0	NV	4.00	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	4.50	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	3.80	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	2.80	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	5.30	0.0015	>=-2.5 & <=2.5	Pass
			50	NV	5.40	0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3499.995	Outer_Full	20	LV	4.00	0.0011	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	4.00	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	1.80	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	1.40	0.0004	>=-2.5 & <=2.5	Pass
			10	NV	6.40	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	2.00	0.0006	>=-2.5 & <=2.5	Pass
			30	NV	3.10	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3499.995	Outer_Full	20	LV	-9.70	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-3.70	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	1.70	0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	4.30	0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	0.70	0.0002	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3499.995	Outer_Full	20	LV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	5.40	0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	2.70	0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-3.70	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass

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			30	NV	-3.80	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	3.70	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	7.80	0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3499.995	Outer_Full	20	LV	-2.00	-0.0006	>=-2.5 & <=2.5	Pass
				HV	0.80	0.0002	>=-2.5 & <=2.5	Pass
			-30	NV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-1.40	-0.0004	>=-2.5 & <=2.5	Pass
			30	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-10.50	-0.0030	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3499.995	Outer_Full	20	LV	5.30	0.0015	>=-2.5 & <=2.5	Pass
				HV	1.30	0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-3.80	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-9.90	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	1.30	0.0004	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3499.995	Outer_Full	20	LV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3499.995	Outer_Full	20	LV	-4.10	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	2.00	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	4.40	0.0013	>=-2.5 & <=2.5	Pass
			50	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3499.995	Outer_Full	20	LV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass

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			-30	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-2.30	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-10.50	-0.0030	>=-2.5 & <=2.5	Pass

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2.5 15k_SISO_30MHz

2.5.1 Test Result

5G NR n77d SCS=15kHz SISO 30MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3499.995	Outer_Full	20	LV	-2.10	-0.0006	>=-2.5 & <=2.5	Pass
				HV	-3.40	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	2.50	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3499.995	Outer_Full	20	LV	6.10	0.0017	>=-2.5 & <=2.5	Pass
				HV	5.80	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	6.50	0.0019	>=-2.5 & <=2.5	Pass
			20	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	8.00	0.0023	>=-2.5 & <=2.5	Pass
			50	NV	6.60	0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3499.995	Outer_Full	20	LV	6.00	0.0017	>=-2.5 & <=2.5	Pass
				HV	3.50	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	5.90	0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	6.00	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	4.30	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	6.50	0.0019	>=-2.5 & <=2.5	Pass
			10	NV	11.30	0.0032	>=-2.5 & <=2.5	Pass
			20	NV	5.70	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	1.30	0.0004	>=-2.5 & <=2.5	Pass
			40	NV	6.10	0.0017	>=-2.5 & <=2.5	Pass
			50	NV	5.40	0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3499.995	Outer_Full	20	LV	5.20	0.0015	>=-2.5 & <=2.5	Pass
				HV	3.90	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass

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			30	NV	-1.70	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-3.40	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	6.70	0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3499.995	Outer_Full	20	LV	6.60	0.0019	>=-2.5 & <=2.5	Pass
				HV	-0.90	-0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	4.60	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	4.10	0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-3.80	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	4.50	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	6.90	0.0020	>=-2.5 & <=2.5	Pass
			20	NV	4.00	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	4.50	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	5.60	0.0016	>=-2.5 & <=2.5	Pass
			50	NV	2.80	0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3499.995	Outer_Full	20	LV	-2.10	-0.0006	>=-2.5 & <=2.5	Pass
				HV	3.90	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-1.00	-0.0003	>=-2.5 & <=2.5	Pass
			-20	NV	9.00	0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			0	NV	1.80	0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-1.60	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	7.00	0.0020	>=-2.5 & <=2.5	Pass
			30	NV	5.40	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	6.90	0.0020	>=-2.5 & <=2.5	Pass
			50	NV	3.90	0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3499.995	Outer_Full	20	LV	9.30	0.0027	>=-2.5 & <=2.5	Pass
				HV	2.40	0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	2.70	0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	2.10	0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	3.80	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	5.10	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	4.90	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	3.50	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	1.50	0.0004	>=-2.5 & <=2.5	Pass
			40	NV	8.30	0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-2.10	-0.0006	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3499.995	Outer_Full	20	LV	2.20	0.0006	>=-2.5 & <=2.5	Pass
				HV	8.30	0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	1.80	0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	2.50	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-9.80	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	4.00	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	1.80	0.0005	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3499.995	Outer_Full	20	LV	3.10	0.0009	>=-2.5 & <=2.5	Pass
				HV	3.60	0.0010	>=-2.5 & <=2.5	Pass

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			-30	NV	6.00	0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	3.70	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	3.00	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	7.50	0.0021	>=-2.5 & <=2.5	Pass
			10	NV	5.40	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	3.00	0.0009	>=-2.5 & <=2.5	Pass
			30	NV	4.70	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	5.80	0.0017	>=-2.5 & <=2.5	Pass
			50	NV	2.10	0.0006	>=-2.5 & <=2.5	Pass

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2.6 15k_SISO_40MHz

2.6.1 Test Result

5G NR n77d SCS=15kHz 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	3499.995	Outer_Full	20	LV	7.00	0.0020	>=-2.5 & <=2.5	Pass
				HV	1.60	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	4.20	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	12.80	0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	-3.80	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	4.40	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	5.00	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	6.20	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	52.30	0.0149	>=-2.5 & <=2.5	Pass
			50	NV	4.40	0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3499.995	Outer_Full	20	LV	5.30	0.0015	>=-2.5 & <=2.5	Pass
				HV	4.30	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	6.10	0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			30	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3499.995	Outer_Full	20	LV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-1.30	-0.0004	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3499.995	Outer_Full	20	LV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-2.30	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	3.50	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	4.60	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	7.00	0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0006	>=-2.5 & <=2.5	Pass

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			30	NV	6.30	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	7.40	0.0021	>=-2.5 & <=2.5	Pass
			50	NV	6.40	0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3499.995	Outer_Full	20	LV	1.70	0.0005	>=-2.5 & <=2.5	Pass
				HV	3.50	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	5.10	0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	2.00	0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	6.50	0.0019	>=-2.5 & <=2.5	Pass
			0	NV	6.50	0.0019	>=-2.5 & <=2.5	Pass
			10	NV	1.40	0.0004	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	6.30	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	7.00	0.0020	>=-2.5 & <=2.5	Pass
			50	NV	7.20	0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3499.995	Outer_Full	20	LV	3.80	0.0011	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-3.00	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	8.60	0.0025	>=-2.5 & <=2.5	Pass
			10	NV	2.30	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	6.30	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	6.40	0.0018	>=-2.5 & <=2.5	Pass
			50	NV	2.10	0.0006	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3499.995	Outer_Full	20	LV	5.40	0.0015	>=-2.5 & <=2.5	Pass
				HV	5.60	0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	0.90	0.0003	>=-2.5 & <=2.5	Pass
			-20	NV	7.40	0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	6.70	0.0019	>=-2.5 & <=2.5	Pass
			0	NV	5.50	0.0016	>=-2.5 & <=2.5	Pass
			10	NV	7.30	0.0021	>=-2.5 & <=2.5	Pass
			20	NV	6.70	0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-1.00	-0.0003	>=-2.5 & <=2.5	Pass
			40	NV	-0.40	-0.0001	>=-2.5 & <=2.5	Pass
			50	NV	6.90	0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3499.995	Outer_Full	20	LV	2.90	0.0008	>=-2.5 & <=2.5	Pass
				HV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-2.00	-0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0007	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3499.995	Outer_Full	20	LV	3.40	0.0010	>=-2.5 & <=2.5	Pass
				HV	1.90	0.0005	>=-2.5 & <=2.5	Pass

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			-30	NV	4.90	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	2.10	0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	6.50	0.0019	>=-2.5 & <=2.5	Pass
			0	NV	5.70	0.0016	>=-2.5 & <=2.5	Pass
			10	NV	3.80	0.0011	>=-2.5 & <=2.5	Pass
			20	NV	5.60	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	1.00	0.0003	>=-2.5 & <=2.5	Pass
			40	NV	3.40	0.0010	>=-2.5 & <=2.5	Pass
			50	NV	9.40	0.0027	>=-2.5 & <=2.5	Pass

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2.7 15k_SISO_50MHz

2.7.1 Test Result

5G NR n77d SCS=15kHz SISO 50MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3499.995	Outer_Full	20	LV	-1.30	-0.0004	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-3.40	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-2.00	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-1.70	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3499.995	Outer_Full	20	LV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
				HV	1.60	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	-1.40	-0.0004	>=-2.5 & <=2.5	Pass
			-20	NV	6.80	0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-2.40	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	6.30	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	5.20	0.0015	>=-2.5 & <=2.5	Pass
			50	NV	4.00	0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3499.995	Outer_Full	20	LV	-2.70	-0.0008	>=-2.5 & <=2.5	Pass
				HV	2.00	0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	3.60	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	1.50	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	5.40	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	8.30	0.0024	>=-2.5 & <=2.5	Pass
			10	NV	5.60	0.0016	>=-2.5 & <=2.5	Pass
			20	NV	6.10	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	5.50	0.0016	>=-2.5 & <=2.5	Pass
			50	NV	4.30	0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3499.995	Outer_Full	20	LV	6.40	0.0018	>=-2.5 & <=2.5	Pass
				HV	5.80	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	9.70	0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	5.60	0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	4.80	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	9.10	0.0026	>=-2.5 & <=2.5	Pass
			10	NV	2.30	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	4.40	0.0013	>=-2.5 & <=2.5	Pass

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			30	NV	3.90	0.0011	>=-2.5 & <=2.5	Pass
			40	NV	5.40	0.0015	>=-2.5 & <=2.5	Pass
			50	NV	4.80	0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3499.995	Outer_Full	20	LV	4.00	0.0011	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	7.70	0.0022	>=-2.5 & <=2.5	Pass
			20	NV	4.20	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	4.30	0.0012	>=-2.5 & <=2.5	Pass
			40	NV	5.80	0.0017	>=-2.5 & <=2.5	Pass
			50	NV	9.50	0.0027	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3499.995	Outer_Full	20	LV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
				HV	5.90	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	12.70	0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	6.30	0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	5.60	0.0016	>=-2.5 & <=2.5	Pass
			0	NV	6.30	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	5.20	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3499.995	Outer_Full	20	LV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	3.60	0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	1.60	0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-1.20	-0.0003	>=-2.5 & <=2.5	Pass
			50	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3499.995	Outer_Full	20	LV	1.80	0.0005	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	1.90	0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	1.10	0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-2.40	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	3.10	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	5.90	0.0017	>=-2.5 & <=2.5	Pass
			50	NV	7.80	0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3499.995	Outer_Full	20	LV	3.00	0.0009	>=-2.5 & <=2.5	Pass
				HV	10.70	0.0031	>=-2.5 & <=2.5	Pass

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			-30	NV	5.80	0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	1.00	0.0003	>=-2.5 & <=2.5	Pass
			-10	NV	1.50	0.0004	>=-2.5 & <=2.5	Pass
			0	NV	4.10	0.0012	>=-2.5 & <=2.5	Pass
			10	NV	5.50	0.0016	>=-2.5 & <=2.5	Pass
			20	NV	7.70	0.0022	>=-2.5 & <=2.5	Pass
			30	NV	9.50	0.0027	>=-2.5 & <=2.5	Pass
			40	NV	8.20	0.0023	>=-2.5 & <=2.5	Pass
			50	NV	2.30	0.0007	>=-2.5 & <=2.5	Pass

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2.8 30k_SISO_10MHz

2.8.1 Test Result

5G NR n77d SCS=30kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-9.60	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-9.60	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-10.30	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-12.10	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-11.10	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-9.90	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-10.70	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-9.70	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-11.40	-0.0033	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-10.50	-0.0030	>=-2.5 & <=2.5	Pass

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			30	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-12.10	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-9.40	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-9.80	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-10.50	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-11.50	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-4.40	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-10.60	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-10.00	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-9.80	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass

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			-30	NV	-2.10	-0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-12.30	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-10.40	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-9.90	-0.0028	>=-2.5 & <=2.5	Pass

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2.9 30k_SISO_15MHz

2.9.1 Test Result

5G NR n77d SCS=30kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-9.90	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-10.60	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass

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			30	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-10.00	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-10.40	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-9.40	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-3.70	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-10.00	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass

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			-30	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass

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2.10 30k_SISO_20MHz

2.10.1 Test Result

5G NR n77d SCS=30kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-4.40	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-12.20	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-10.50	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-9.60	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-11.20	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-11.00	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass

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			30	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-9.60	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-9.80	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-9.90	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-3.00	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-2.30	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass

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			-30	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass

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2.11 30k_SISO_25MHz

2.11.1 Test Result

5G NR n77d SCS=30kHz SISO 25MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-10.30	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-10.40	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-9.40	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-12.00	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-10.00	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-11.20	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass

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			30	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-11.30	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-3.80	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-9.70	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-10.60	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-3.80	-0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass

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			-30	NV	-3.70	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-10.30	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-10.70	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass

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2.12 30k_SISO_30MHz

2.12.1 Test Result

5G NR n77d SCS=30kHz SISO 30MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-9.40	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-4.40	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-10.50	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-10.30	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-11.40	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-12.60	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-10.40	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-3.70	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass

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			30	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-9.60	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-10.90	-0.0031	>=-2.5 & <=2.5	Pass
				HV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-3.70	-0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass

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			-30	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass

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2.13 30k_SISO_40MHz

2.13.1 Test Result

5G NR n77d 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	3500.01	Outer_Full	20	LV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-9.60	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-10.40	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-14.10	-0.0040	>=-2.5 & <=2.5	Pass
			-30	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-9.40	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-10.00	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-11.00	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0012	>=-2.5 & <=2.5	Pass

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			30	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-11.30	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-11.40	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-12.00	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-3.80	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass

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			-30	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-3.80	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-10.30	-0.0029	>=-2.5 & <=2.5	Pass

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2.14 30k_SISO_50MHz

2.14.1 Test Result

5G NR n77d SCS=30kHz SISO 50MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-9.80	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-3.40	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-3.00	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0012	>=-2.5 & <=2.5	Pass

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			30	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-10.60	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-10.90	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-10.60	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-10.40	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-10.40	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-9.90	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass

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			-30	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-9.60	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass

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2.15 30k_SISO_60MHz

2.15.1 Test Result

5G NR n77d SCS=30kHz SISO 60MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-10.40	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-11.30	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-9.80	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-9.80	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-9.40	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-11.30	-0.0032	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass

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			30	NV	-11.50	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-11.60	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-10.80	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-9.80	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-10.60	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-12.50	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass

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			-30	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass

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2.16 30k_SISO_70MHz

2.16.1 Test Result

5G NR n77d SCS=30kHz SISO 70MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-9.90	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-11.50	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-10.30	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-3.80	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-12.00	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-9.60	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-9.70	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-10.50	-0.0030	>=-2.5 & <=2.5	Pass

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			30	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-10.30	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-3.80	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-11.40	-0.0033	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-10.30	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-3.70	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass

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			-30	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-1.40	-0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-9.90	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass

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2.17 30k_SISO_80MHz

2.17.1 Test Result

5G NR n77d SCS=30kHz SISO 80MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-11.10	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-2.70	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass

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			30	NV	-11.30	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	-10.00	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-10.60	-0.0030	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-9.80	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-4.40	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-3.40	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass

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			-30	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass

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2.18 30k_SISO_90MHz

2.18.1 Test Result

5G NR n77d SCS=30kHz SISO 90MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	20	LV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-3.70	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-11.10	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-10.80	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-9.70	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-10.90	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-10.70	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-10.00	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass

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